Vestavia Hills
Design Review Board Agenda
May 7, 2026
6:00 PM

1. Call to Order
2. Roll Call
3. Approval of Minutes: April 2, 2026
4. **DRB-25-4** **City of Vestavia Hills** is requesting **Architectural Review, Landscape Review & Final Review Of Materials** for the property located at **1493 Montgomery Hwy**. The purpose of this request is for a new gateway. The property is owned by Steve Issis and zoned Vestavia Hills B-3.
5. **DRB-25-6** **Neil Shah** is requesting **Architectural Review, Landscape Review, & Final Review Of Materials** for the property located at **3480 Brayfield Dr**. The purpose of this request is for a new building. The property is owned by Neil Shah and zoned Vestavia Hills PB.
6. **DRB-25-22** **West Alabama Bank** is requesting **Landscape Review**, **Architectural Review & Final Review of Materials** for the property located at **3128 Sunview Dr**. The purpose of this request is for a new bank. The property is owned by West Alabama Bank and is zoned Vestavia Hills B-2.
7. **DRB-26-4** **Ryan Freeman** is requesting **Architectural Review, Landscape Review & Final Review Of Materials** for the property located at **3740 Corporate Woods Drive**. The purpose of this request is to review for a new pediatric dental office. The property is owned by ATC Holdings, LLC and zoned Vestavia Hills PUD-PB.
8. **DRB-26-5** **David Johnson** is requesting **Architectural Review & Final Review Of Materials** for the property located at **3253 Cahaba Heights Road**. The purpose of this request is to review exterior changes to existing commercial building for donation center. The property is owned by Conquest Holdings, LLC and zoned Vestavia Hills B-3.
9. **DRB-26-6** **Ryan Freeman** is requesting **Architectural Review, Landscape Review & Final Review Of Materials** for the property located at **4308 Dolly Ridge Road**. The purpose of this request is to review for a new dental office. The property is owned by Paradox Properties, LLC and zoned Vestavia Hills B-1.2.
10. **DRB-26-7** **Grant Kerr** is requesting **Landscape Review** for the property located at **400 Vestavia Parkway**. The purpose of this request is to review for a new dental office. The property is owned by Engel Realty Company, LLC and zoned Vestavia Hills O-2.
11. Time Of Adjournment

CITY OF VESTAVIA HILLS

DESIGN REVIEW BOARD

MINUTES

April 2, 2026

The Design Review Board of the City of Vestavia Hills met in regular session on this date at 6:00 PM. The roll was called with the following:

MEMBERS PRESENT:

Phil Kennedy, Chairman
Mae Coshatt
Chris Pugh
Joe Ellis
Jeff Slaton
John Wood

MEMBERS ABSENT

David Giddens

OTHER OFFICIALS PRESENT: Jack Wakefield, City Planner

APPROVAL OF MINUTES

The minutes of March 5, 2026 were presented for approval.

MOTION Motion to dispense with the reading of the minutes of March 5, 2026 was made by Mrs. Pugh and 2nd was by Mr. Wood. Motion as carried on a voice vote as follows:

Mr. Ellis – yes	Mrs. Coshatt – yes
Mr. Slaton – yes	Mr. Pugh – yes
Mr. Wood – yes	Chairman Kennedy - yes

Motion carries.

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LANDCAPE REVIEW& REVIEW FOR RETAINING WALL

DRB-26-3 **Chris Harkins** is requesting **Landscape Review**, **& Review of Retaining Wall** for the property located at **1493 Montgomery Hwy**. The purpose of this request is to extend retaining wall from City constructed wall and to increase site visibility for future development.

The property is owned by Steve Issis and is zoned Vestavia Hills B-3.

Mr. Wakefield explained this is a request for the extension of a retaining wall with the City's proposed wall and allowance for tree removal on property.

Duane Pritchett was present for the case and stated the wall extension would be on the North side of Hwy 31.

Chairman Kennedy asked if this was the material that was previously approved?

Mr. Prichett said it would be the same veneer that is out there currently. He also said they want to backfill where area is cleared.

Mrs. Coshatt asked what it will look like in the meantime.

Mr. Pritchett said grass would be laid in the meantime following the tree clearing next to the building.

Referring to the piers showed along the city section of the wall, Mrs. Coshatt asked if that can be continued along with the new portion of the wall to keep some consistency.

Chairman Kennedy stated that the City's portion of the wall looks different than last approved, and it was the Boards understanding that the final materials would come back before the Board for final approval. There was also proposed signage on the wall that is not shown on this plan.

Mr. Prichett stated that the sign was moved off the wall and to a free-standing sign adjacent.

Many Board members stated that this was different than what was previously approved.

A question was asked about future plans for the business adjacent to the wall needing tree clearing.

Mr. Prichett stated that there are no future plans at the moment.

Mrs. Coshatt asked why does the clear cut need to be done if there are no future plans?

Mr. Pritchett stated that this will be backfilled and will be grass to help with the selling of the site for future development.

Chairman Kennedy stated that he does not feel comfortable approving the wall in full without seeing all portions of the wall. As, what was previously approved is not what is now being proposed. Many Board members agreed.

It was agreed upon that this portion of the wall would be approved to allow retaining wall foundations be constructed, and that a full submittal of the entire wall be sent to the Board by next hearing.

MOTION Motion to approve Landscaping Review and Review of Retaining Wall, with condition that the full wall will come back for approval of veneer/materials along with the signage, for the property located at 1493 Montgomery Hwy was made by Mr. Ellis. Second was made by Mr. Slaton. Voice vote as follows:

Mr. Ellis – yes	Mrs. Coshatt – yes
Mr. Slaton – yes	Mr. Pugh – yes
Mr. Wood – yes	Chairman Kennedy - yes

Motion carries.

The meeting adjourned at 7:05 PM.

Jack Wakefield, Planner/GIS

Record No: DRB-25-4

Design Review Board Application

Status: Active

Submitted On: 3/18/2025

Primary Location

1493 MONTGOMERY HWY
VESTAVIA HILLS, AL 35216

Owner

Ethan Fisher, City of Vestavia Hills
Montgomery Hwy 1032 Vestavia Hills, AL 35216

Agenda Information

Agenda Schedule

Comment/Delay/Information:

Description of Property

Subject Property Address

1493 Montgomery Hwy

Property Zoning Classification

Unknown

Subdivision Name, Lot #, Block #, etc.

39 00 01 2 000 024.000

Reason for Request

Check all that apply

Preliminary Review

☐

Landscape Review

☑

Architectural Review

☑

Final Review of Materials

☐

Other

☐

Detailed Explanation

Submittal for Gateway Signs (2), Engineering improvements and Planting design.

Process

Check all that apply

New Building

☐

Renovation of Existing Building

☐

New Landscape Plan

☑

Renovation to Existing Landscaping Plan

☐

Other

☐

Detailed Explanation

Proposed plantings for Gateways signs.

Affidavit:

I do hereby declare the above statements are true and that I, the owner, and/or my duly appointed representative will be at the scheduled hearing. Simultaneously with the submittal of this application, I am hereby submitting a notarized affidavit signed by the owner of the property in the attachments section of this application. NOTE: Applications cannot be processed without the notarized owners affidavit.

Review Requirements

The following information and exhibits shall be provided and presented on your proposed project for review. The Board will review the three project components at the meeting. The Board must approve all three components before any permit is issued. A design professional, owner, or owner representative with knowledge of design elements and project provisions should represent the project to the committee.

General: Provide three copies and one digital copy (pdf format) of all drawings or plans required below for review. Drawings must be to scale. These drawings should be turned in with the application. Drawings shall be folded to size 8 ½” by 11”.

1. Architectural Review
    a. Site plan showing roadways, entrances, exits and parking
    b. Building elevations showing construction material, material colors, context, and protrusions. Color rendering is preferred. Roof design must be detailed.
    c. Presentation by architect or owner with knowledge of compatibility with adjacent structures, city context, etc.
2. Landscape Review
    a. Site plan showing contours, drainage containment areas, parking spaces, sidewalks, buffers, site lighting and details, etc.
    b. Landscape plan showing planting materials, designations, size, potted planting, window boxes, vines, etc. Trees will be identified by botanical name, quantity, and caliper. Shrubs will be identified by botanical name, quantity, and container size. Differentiate between existing and new landscaping.
    c. Parking lots: Provide calculations of total square footage and square footage designed for landscaping. Indicate handicapped spaces. Indicate size of parking spaces.
    d. Irrigation plan for all landscaped areas.
    e. Statement of maintenance policy and provisions.

Internal reviews/information

Meeting Date

Preliminary Review

Landscape Review

Architectural Review

Final Review of Materials

Other

Jack Wakefield

From: Ethan Fisher
Sent: Tuesday, April 21, 2026 9:57 AM
To: Jack Wakefield
Cc: Lori Beth Kearley; Christopher Brady; Jeff Downes
Subject: Highway 31 Gateway
Attachments: 260414 Issis Wall Extension.pdf

Jack,

A link is provided below for the updated plan set for the Highway 31 Gateway Project. Our design team incorporated feedback from the Design Review Board (DRB) meeting, where the continuation of the City's wall in relation to Mr. Issis' project was discussed. This revision includes a full stone façade for the entire wall, as well as extending the columns and wall treatment onto Mr. Issis' wall. An additional drawing is attached for reference, illustrating the proposed wall continuation.

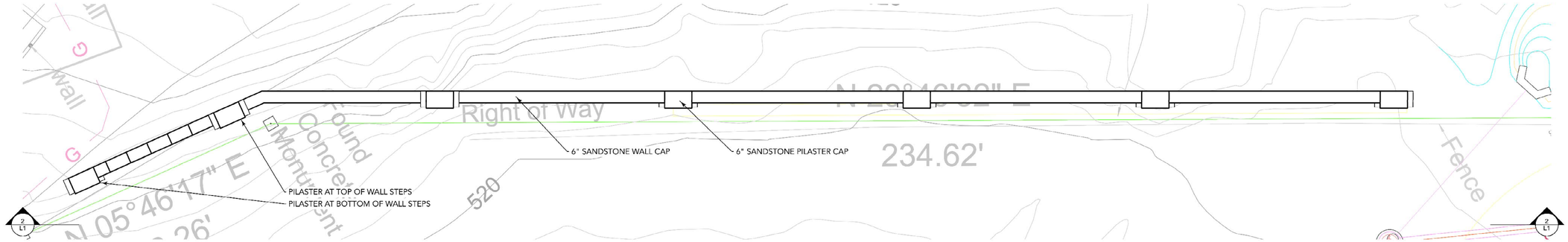
As you are aware, the City Council directed the design team to evaluate options to better integrate the temple replica with the proposed sign wall, while also improving sign visibility for drivers. This direction came after the DRB review and after the project had been bid. The proposed modifications were subsequently presented to the City Council and approved to proceed as a change order to the construction contract. Previous DRB input regarding lettering size was taken into account and incorporated into the plan accordingly. An email was also sent to Conrad Garrison at that time for distribution to the DRB for feedback, with the understanding that the project was already underway.

The design team is available to attend the next DRB meeting to address any questions. However, we intend to proceed with the project in accordance with the City Council's directive and their desire to complete the work in a timely manner.

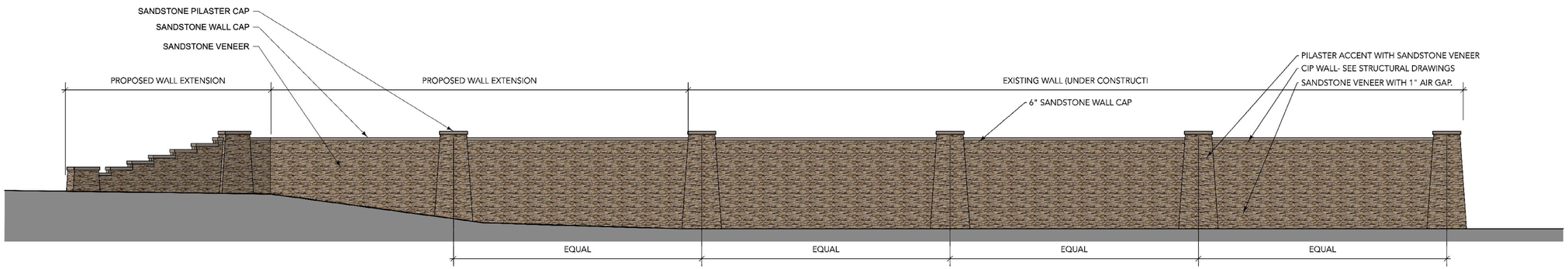
260416 Vestavia Hills- Entrance Gateway Rev4.pdf

Thank you,

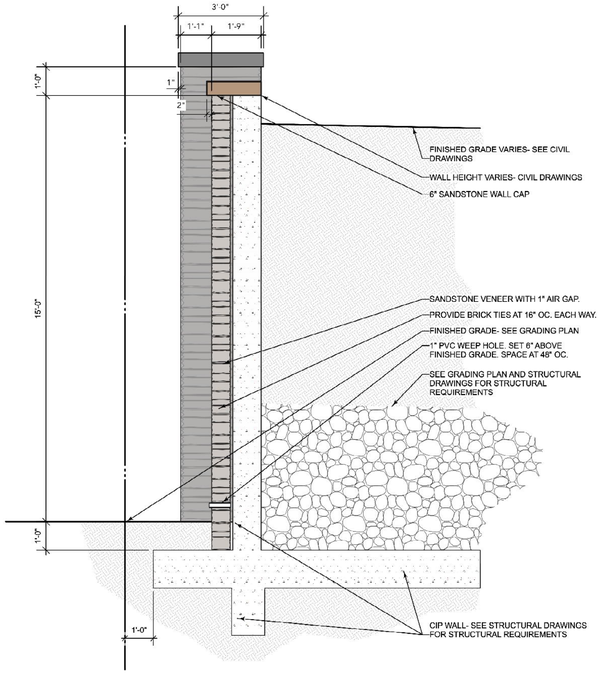
ETHAN FISHER, P.E., CFM
City Engineer | City of Vestavia Hills
Planning and Development | Department of Public Services
205.978.0214 Office | 205.842.5208 Cell
vhal.org



1 WALL PLAN
Scale: 1" = 10'-0"



2 RETAINING WALL EXTENSION ELEVATION
Scale: 1" = 10'-0"



3 RETAINING WALL EXTENSION DETAIL
Scale: 3/8" = 1'-0"

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STATE OF ALABAMA
DUANE R. PRITCHETT
NUMBER 418
REGISTERED LANDSCAPE ARCHITECT

Issis & Sons Property
Highway 31 Gateway Signs
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

DATE: 4/14/26
SCALE: Scale
PROJECT MANAGER: Duane Pritchett
DRAWN: DRP
REVIEWED: DRP
PROJECT NO:

SHEET TITLE :

Retaining Wall Detail

SHEET NUMBER:
L1
SEQUENCE: 1 of 1

REMOVE EXISTING PIPE FOUNDATION, PLANTINGS AND SUBSOIL TO A DEPTH OF 12" BELOW FINISHED GRADE.

REMOVE EXISTING GRASSES AND POOR SOILS TO A DEPTH OF 11" BELOW GRADE.

2 REMOVE EXISTING CONCRETE AND SUBSOIL TO A DEPTH OF 12" BELOW FINISHED GRADE.

REMOVE THREE EXISTING TREES AND/OR STUMPS. REMOVE ROOTS TO 12" BEOW FINISHED GRADE. FILL AREA WITH SCREENED TOPSOIL/PLANTING MEDIUM.

TERMINATE WIRING AND REMOVE EXISTING UPLIGHTS AND CONCRETE ANCHORS- TYPICAL

SINGLE EXISTING UPLIGHT TO REMAIN.

REMOVE THREE EXISTING TREES AND/OR STUMPS. REMOVE ROOTS TO 12" BEOW FINISHED GRADE. FILL AREA WITH SCREENED TOPSOIL/PLANTING MEDIUM.

TERMINATE WIRING AND REMOVE EXISTING UPLIGHTS AND CONCRETE ANCHORS- TYPICAL

SEE SHEET C1.0 SITE DEMOLITION

PRESERVE AND PROTECT DOT CONCRETE MONUMENT- TYP.

3 EXISTING BALD CYPRESS TO REMAIN

REMOVE SPOIL DIRT AS REQUIRED FOR GRADING

REMOVE TREES AND UNDERGROWTH AS REQUIRED. REMOVE ALL DEBRIS AND PREP FOR SEEDING.

1 REMOVE EXISTING DENIED ACCESS FENCE AS REQUIRED. REPLACE PER ALDOT STANDARDS (SEE DETAIL ON SHEET C6.0)

EXISTING POWER EQUIPMENT TO REMAIN

REMOVE EXISTING CONCRETE DEBRIS AT THE FENCE LINE. REMOVE OTHER TREES OR DEBRIS AS REQUIRED FOR CONSTRUCTION.

4 EXISTING SOUTHERN MAGNOLIA TO REMAIN

REMOVE VOLUNTEER TREES AND UNDERGROWTH WITHIN SHRUBS NOTED TO REMAIN AND WITHIN THE DRIPLINE/CANOPY OF TREES NOTED TO REMAIN

REMOVE EXISTING DENIED ACCESS TO THIS POINT.

EXISTING NEEDLEPOINT HEDGE. HARD PRUNE TO 30" HEIGHT

EXISTING TREES TO REMAIN

1 Demolition Plan
Scale: 1" = 20'-0"

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STATE OF ALABAMA
DUANE R. PRITCHETT
NUMBER 418
REGISTERED LANDSCAPE ARCHITECT

City of Vestavia Hills
Highway 31 Gateway Signs
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

1	10/24/25	Revision #1 Per ALDOT Review
2	11/19/25	Revision #2 Concrete Island to Sod. Add Annabelle Hydrangea

DATE:	7/14/2025
SCALE:	AN
PROJECT MANAGER:	Duane Pritchett
DRAWN:	Duane Pritchett
REVIEWED:	Duane Pritchett
PROJECT NO:	

SHEET TITLE :
Landscape Demolition Plan

SHEET NUMBER:
L-1.0

SEQUENCE: 2 of 10

BOX SIGN - SEE DETAIL SHEET L-4.0

EXISTING SOD TO REMAIN. REPLACE OR REPAIR SOD AND IRRIGATION AS REQUIRED DUE TO CONSTRUCTION

EXISTING ROW

US-31

ONLY

2 INSTALL 11" DEPTH SCREENED TOPSOIL TO WITHIN 1" OF TOP OF EXISTING CURB SO AS RECEIVED SOD. SLOPE UP FROM CURB AT 4% MIN. -10% MAX. TO ACCOMMODATE FOR DRAINAGE.

EXISTING SOD TO REMAIN. INSTALL TOPSOIL TO A MINIMUM DEPTH OF 11". REPLACE OR REPAIR SOD AND IRRIGATION AS REQUIRED DUE TO CONSTRUCTION.

3 38" HEIGHT "VESTAVIA HILLS" WORD ON EXISTING RETAINING STONE WALL SEE SHEET L-4.2

SINGLE EXISTING UPLIGHT TO REMAIN.

REMOVE LETTERS ON STRUCTURE. PATCH AS REQUIRED. PAINT ALL CONCRETE TO MATCH MARBLE COLUMNS. DO NOT PAINT MARBLE. EXISTING STRUCTURE TO REMAIN

EXISTING SOD TO REMAIN. INSTALL TOPSOIL TO A MINIMUM DEPTH OF 11". REPLACE OR REPAIR SOD AND IRRIGATION AS REQUIRED DUE TO CONSTRUCTION.

RETAINING STONE VENEER WALL SEE DETAIL L-4.1

RIGHT OF WAY

3 EXISTING BALD CYPRESS

1 DENIED ACCESS FENCE. BLACK VINYL COATED TYPICAL. REPLACE PER ALDOT STANDARDS (SEE DETAIL ON SHEET C6.0)

EXISTING POWER AND PANEL- VERIFY CAPACITY FOR SIGN.

RETAINING WALL SEE DETAIL L-4.1 3

DENIED ACCESS FENCE. BLACK VINYL COATED. PROVIDE POST AS REQUIRED - TYPICAL

BED LINE PERIMETER

4 EXISTING SOUTHERN MAGNOLIA

EXISTING HOLLY EDGE TO REMAIN HARD PRUNE TO 30" HEIGHT

5 EXISTING BLACK GUM

1 Materials Plan
Scale: 1" = 20'-0"

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REGISTERED LANDSCAPE ARCHITECT

City of Vestavia Hills
Highway 31 Gateway Signs
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

1	10/24/25	Revision #1 Per ALDOT Review
2	11/19/2025	Revision #2 Concrete Island to Sod. Add Annabelle Hydrangea
3	1/8/26	Revision #3 Wall, Sign, Plantings

DATE:	7/14/2025
SCALE:	Scale
PROJECT MANAGER:	Duane Pritchett
DRAWN:	Duane Pritchett
REVIEWED:	Duane Pritchett
PROJECT NO:	

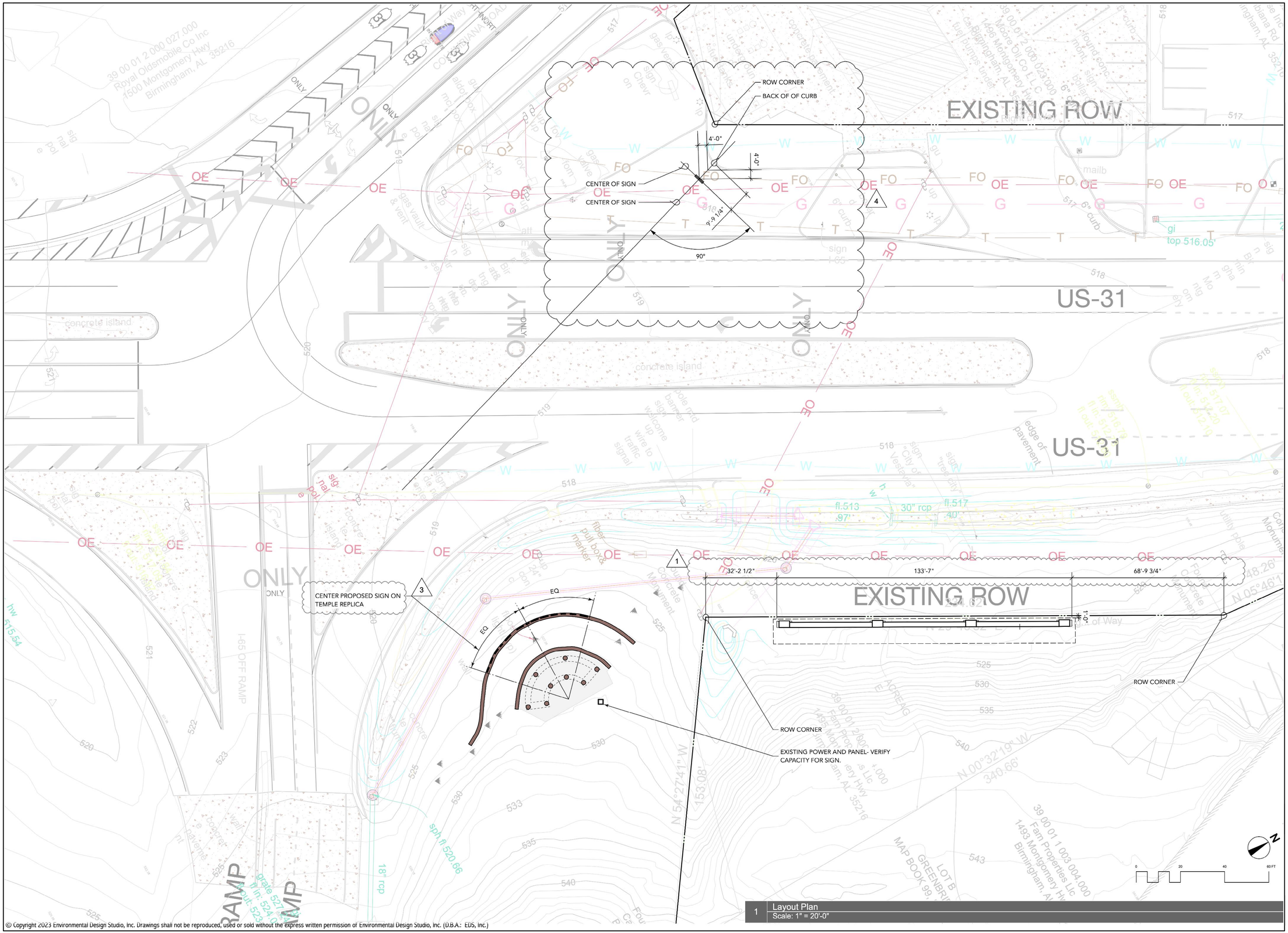
SHEET TITLE :

Materials Plan

SHEET NUMBER:

L-2.0

SEQUENCE: 2 of 10



1 Layout Plan
Scale: 1" = 20'-0"

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City of Vestavia Hills
Highway 31 Gateway Signs
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

1	1/8/26	Revision #3 Wall, Sign, Plantings
2	1/8/26	Rev. #3 Sign at Temple
3	4/10/26	Rev. #4 Location of Small Sign

DATE:	7/14/2025
SCALE:	Scale
PROJECT MANAGER:	Duane Pritchett
DRAWN:	Duane Pritchett
REVIEWED:	Duane Pritchett
PROJECT NO:	

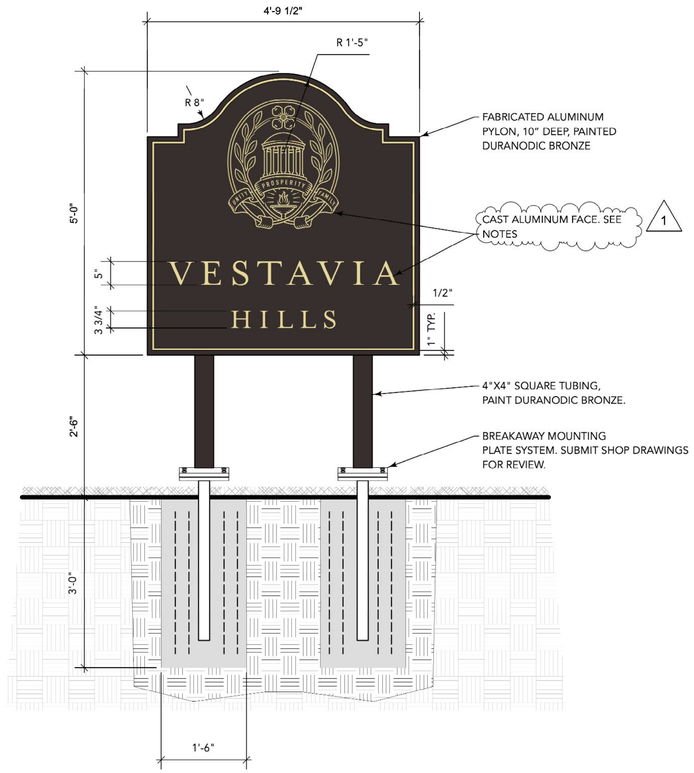
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Layout Plan

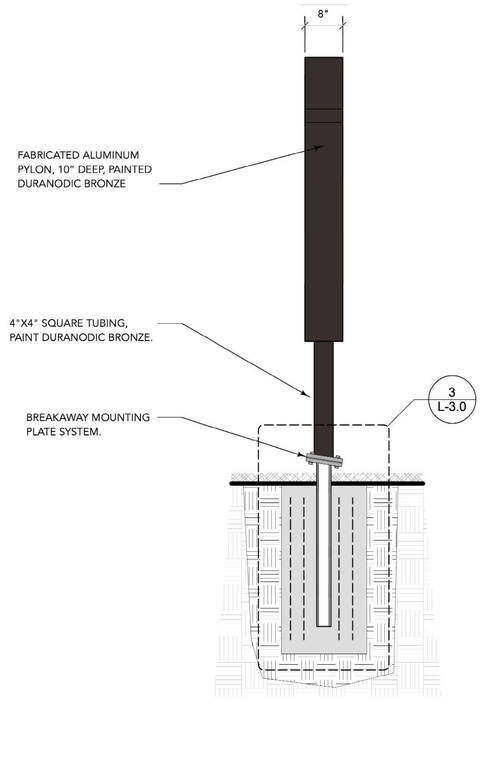
SHEET NUMBER:

L-3.0

SEQUENCE: 3 of 10



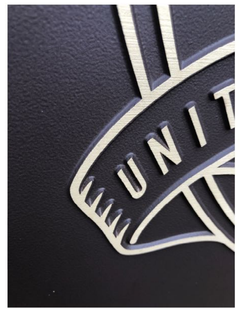
1 BOX SIGN- FRONT ELEVATION
Scale: 3/4" = 1'-0"



2 BOX SIGN- SIDE ELEVATION
Scale: 3/4" = 1'-0"

BOX SIGN NOTES

1. BASIS OF DESIGN: VESTAVIA HILLS SIGN AT THE SE CORNER OF HIGHWAY 280 AND DOLLY RIDGE ROAD. MATCH APPLICABLE STYLE, COLORS, ETC. SUBMIT SHOP DRAWINGS FOR APPROVAL.
1 2. LOGO AND LETTER FACES: CAST ALUMINUM FACE. 1/4" DEPTH BRUSHED ALUMINUM FACE WITH CLEAR COAT FINISH.
3. CABINET: 8" DEPTH CABINET. PAINT DURODONIC BRONZE.
4. SIGN FACE: CAST ALUMINUM. PAINT BACKGROUND MATTHEWS DURODONIC BRONZE. MATCH BASIS OF DESIGN. SUBMIT 12"X12" COLOR SAMPLES FOR APPROVAL.
1 5. BREAKWAY DETAIL MUST BE IN ACCORDANCE WITH ALDOT REQUIREMENTS. SUBMIT SHOP DRAWINGS AS REQUIRED.



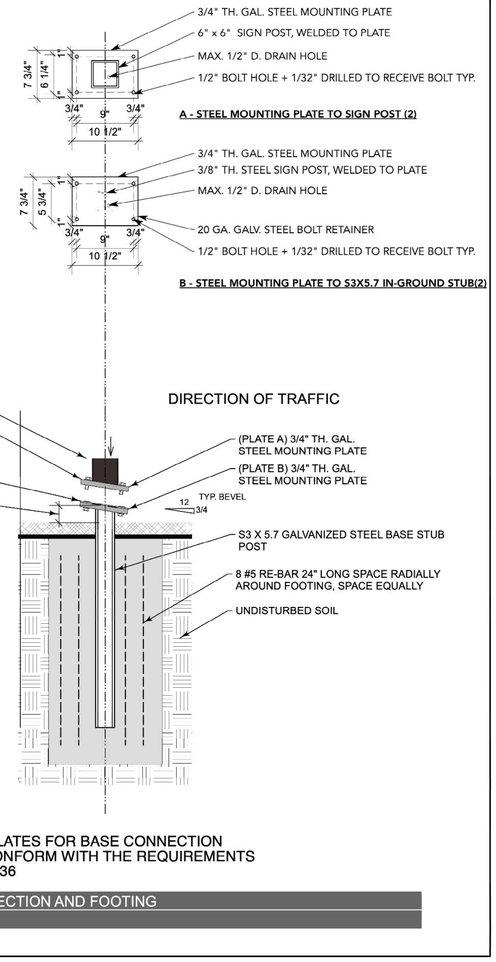




BASIS OF DESIGN

BREAKAWAY CONNECTION NOTES:

1. FRICTION CAPS - CAPS MAY BE MANUFACTURED FROM EITHER HOT ROLLED OR COLD ROLLED STEEL SHEETS. FOR PIPE SIZES 3½" AND SMALLER, THE MINIMUM SHEET METAL THICKNESS SHALL BE 24 GAUGE.
2. THE RIM EDGES SHALL BE REASONABLY STRAIGHT AND SMOOTH. CAPS SHALL BE SIZED AND FORMED IN SUCH A MANNER AS TO PRODUCE A DRIVE-ON FRICTION FIT AND HAVE NO TENDENCY TO ROCK WHEN SEATED ON THE PIPE. THE DEPTH SHALL BE SUFFICIENT TO GIVE POSITIVE PROTECTION AGAINST ENTRANCE OF RAINWATER. THEY SHALL BE FREE OF SHARP CREASES OR INDENTIONS AND SHOW NO EVIDENCE OF METAL FRACTURE.
3. CAPS SHALL HAVE AN ELECTRODEPOSITED COATING OF ZINC IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM SPECIFICATION A164, TYPE GS.
4. ALL BOLTS AND WASHERS SHALL CONFORM TO ASTM A325.
5. ALL HOLES IN THE BASE PLATES SHALL BE DRILLED AND/OR SAWED.
6. CAST DOME CAPS (SAME AS FENCE POST CAPS) MAY BE USED AS AN ALTERNATE TO THE PRESSED METAL CAP.
7. ALL PIPE SHALL BE STANDARD WEIGHT PIPE CONFORMING TO ASTM SPECIFICATIONS A53. THE PIPE MAY BE WELDED OR SEAMLESS. HYDROSTATIC TESTS ARE NOT REQUIRED.
8. FOR PROPER FUNCTIONING OF THE BREAKAWAY FEATURE OF THE SUPPORTS IT IS NECESSARY FOR THE INTERIOR WASHERS OF THE BASE PLATE BOLTS TO TRANSFER THE BEARING PRESSURES EQUALLY. THEREFORE, THE BEARING PLATE SURFACES SHALL, AFTER ASSEMBLY, HAVE A CLEARANCE BETWEEN THEM OF AT LEAST 0.25 INCHES BUT NOT IN EXCESS OF 0.1 INCHES SUPPORTS (POSTS AND STUBS) SHALL BE FABRICATED AND SHOP ASSEMBLED TO INSURE PROPER ALIGNMENT AND MATCHING OF BASE PLATES. ANY DISMANTLING REQUIRED FOR SHIPMENT TO THE JOB SITE WILL REQUIRE THE MATCH MARKING OF THE PLATES, ETC. TO INSURE THAT REASSEMBLY WILL BE IN THE SAME MANNER AS WAS SHOP ASSEMBLED. IT WILL BE REQUIRED THAT EACH POST BE PRE-ASSEMBLED AND INSTALLED AS A UNIT TO INSURE PROPER ALIGNMENT OF THE POST AND STUB ASSEMBLIES.
9. FURNISH 2 ~ .012" ± THICK AND 2 ~ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B36 WITH ROCKWELL "B" SCALE HARDNESS OF 82 OR HIGHER. ALL SHIMS SHALL BE INSTALLED WITH THE CLOSED END TOWARD THE POST.



NOTE: *PLATES FOR BASE CONNECTION SHALL CONFORM WITH THE REQUIREMENTS OF ASTM 36

3 BREAKAWAY CONNECTION AND FOOTING
Scale: 1" = 1'-0"

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STATE OF ALABAMA
DUANE R. PRITCHETT
NUMBER 418
REGISTERED LANDSCAPE ARCHITECT

City of Vestavia Hills
Highway 31 Gateway Signs
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

1	8/7/25	Addendum #1: General revisions

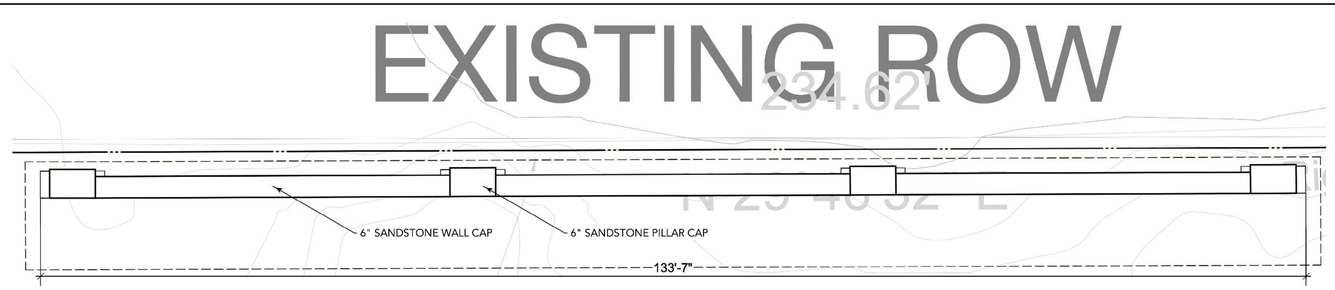
DATE:	7/14/2025
SCALE:	Scale
PROJECT MANAGER:	Duane Pritchett
DRAWN:	Duane Pritchett
REVIEWED:	Duane Pritchett
PROJECT NO:	

SHEET TITLE :

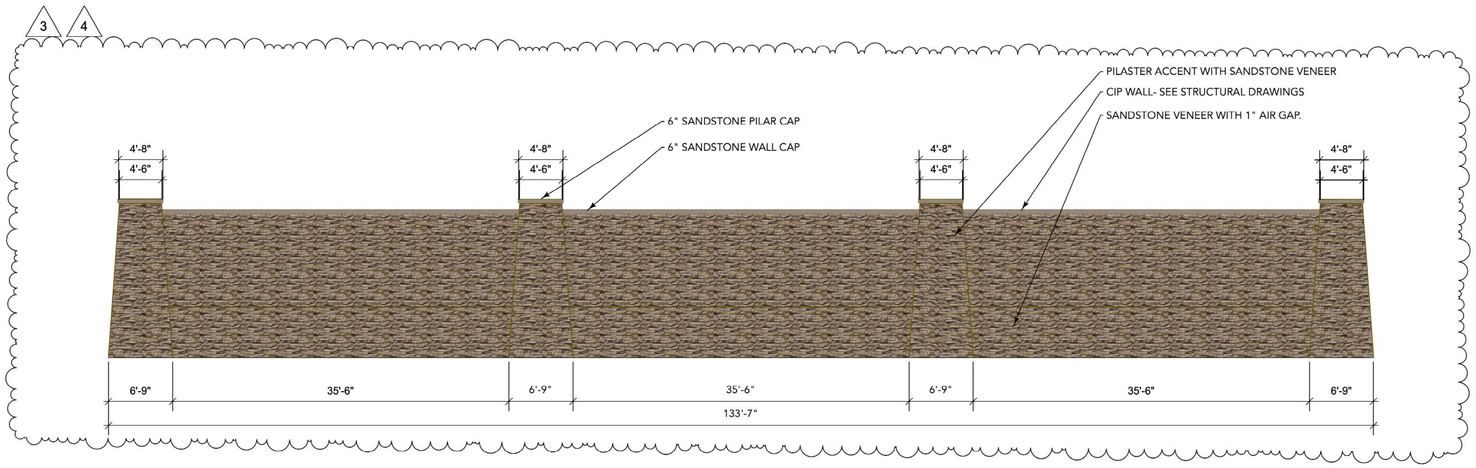
Box Sign Details

SHEET NUMBER:
L-4.0

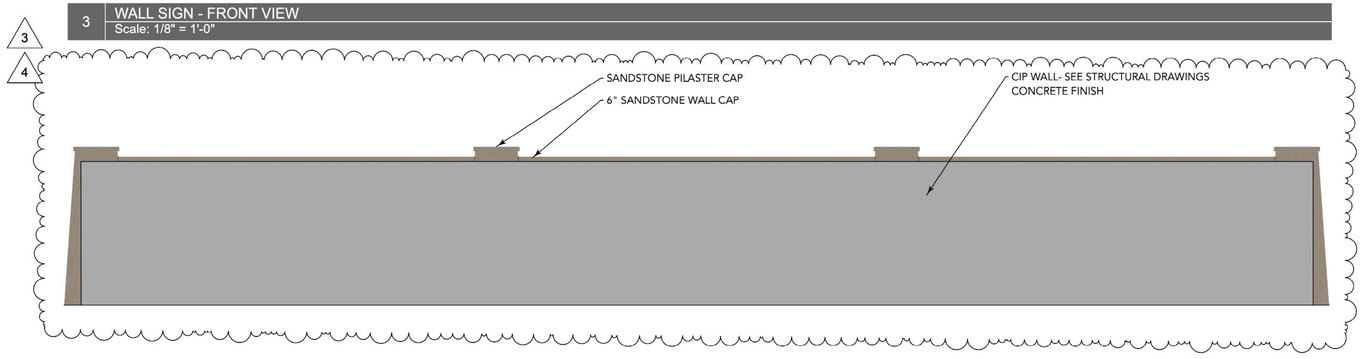
SEQUENCE: 4 of 10



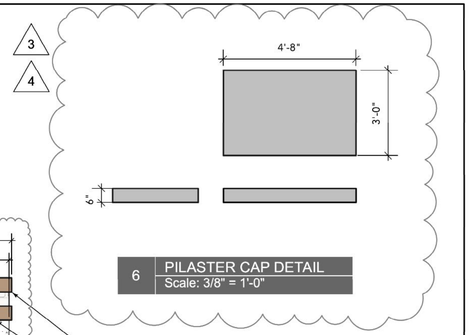
1 WALL SIGN - PLAN VIEW
Scale: 1/8" = 1'-0"



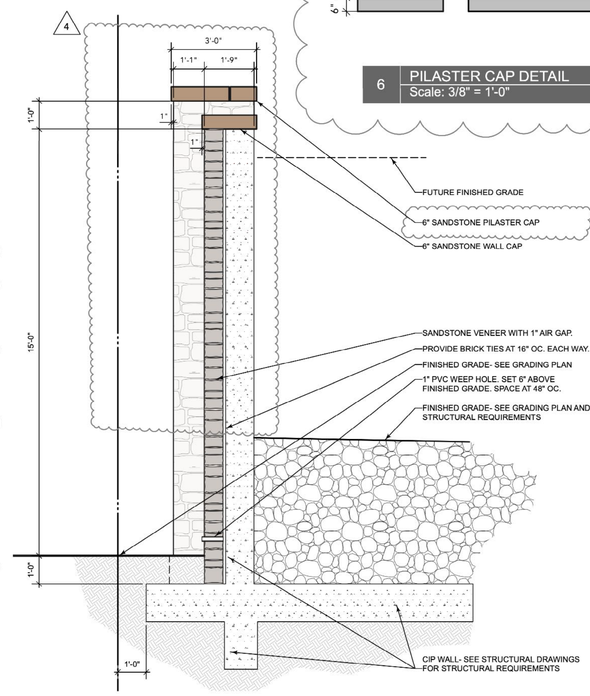
3 WALL SIGN - FRONT VIEW
Scale: 1/8" = 1'-0"



7 WALL SIGN - REAR VIEW
Scale: 1/8" = 1'-0"



6 PILASTER CAP DETAIL
Scale: 3/8" = 1'-0"



5 RETAINING WALL DETAIL
Scale: 3/8" = 1'-0"

WALL SIGN NOTES

1. BASIS OF DESIGN: VESTAVIA HILLS SIGN AT 1090 MONTGOMERY HIGHWAY. MATCH APPLICABLE STYLE, COLORS, ETC. SUBMIT SHOP DRAWINGS FOR APPROVAL.
2. CHANNEL LETTERS: FABRICATED ALUMINUM CHANNEL LETTERS WITH 5" WELDED RETURNS, 1" RETAINERS, AND BACKS PAINTED DURANODIC BRONZE.
3. LETTER FACES: 3/16" WHITE PLEX FACES. INTERNALLY ILLUMINATED USING HIGH-EFFICIENCY WHITE LEDS.
4. CABINET: 2" DEPTH MIN. 0.125" ALUMINUM SHEET
5. SAND-STUCCO FINISH IN DRYVIT 612. PRIME AND PREPARE SURFACE AS REQUIRED. SUBMIT SHOP DRAWINGS FOR APPROVAL.
5. STONE VENEER: NATURAL STACKED STONE; FULL DEPTH VENEER. MAJESTIC STONE- LAURELBROOK BLEND. BRICK TIES 16" OC EW.
6. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF INSTALLATION DETAIL FOR REVIEW
7. BORE EXISTING WALL AS REQUIRED FOR INSTALLATION
8. GROUT FILL AS REQUIRED FOR SIGN POST INSTALLATION



MAJESTIC STONE- LAURELBROOK BLEND



BASIS OF DESIGN

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phone: 205.585.8414
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STATE OF ALABAMA
DUANE R. PRITCHETT
NUMBER 418
REGISTERED LANDSCAPE ARCHITECT

City of Vestavia Hills
Highway 31 Gateway Signs
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

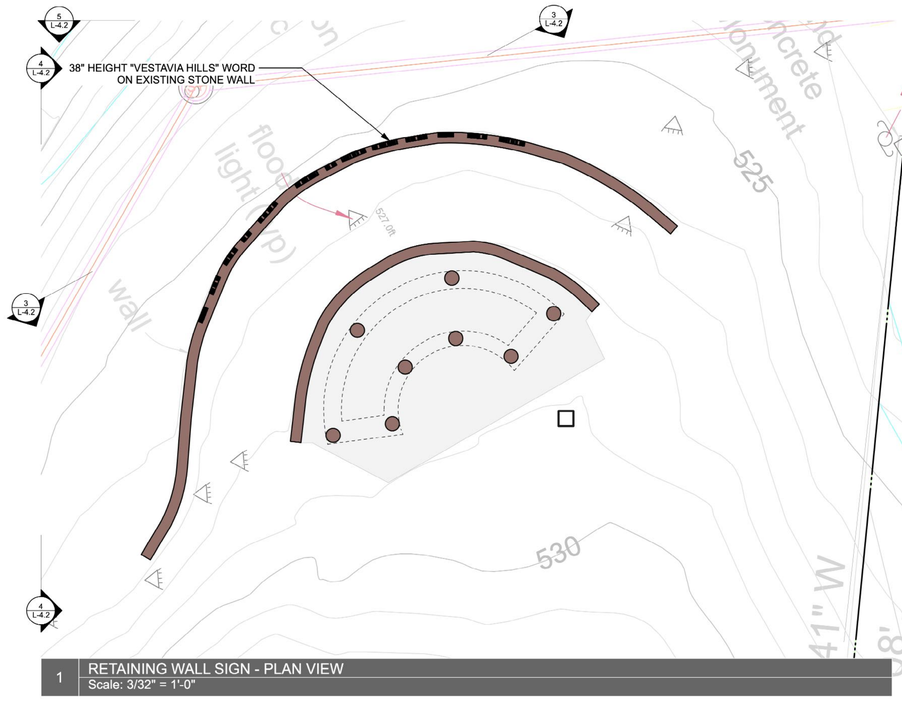
1	8/7/25	Addendum #1: General revisions
2	1/8/26	Revision #3 Wall, Sign, Plantings
3	4/10/26	Rev. #4. Retaining wall veneer and caps

DATE:	7/14/2025
SCALE:	Scale
PROJECT MANAGER:	Duane Pritchett
DRAWN:	Duane Pritchett
REVIEWED:	Duane Pritchett
PROJECT NO:	

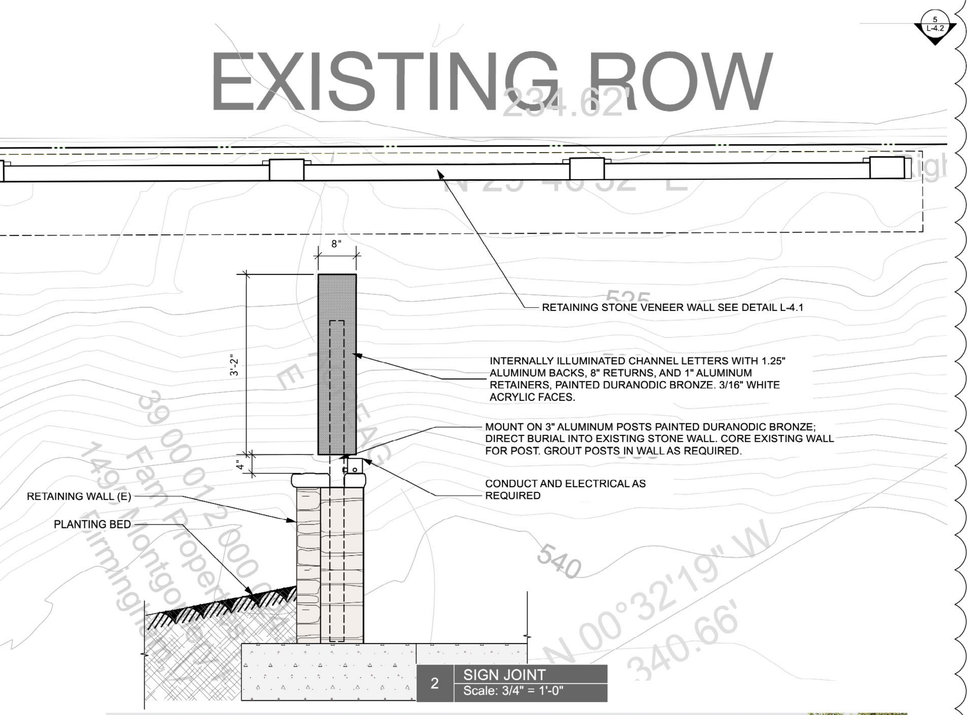
SHEET TITLE :

Retaining Wall Details

SHEET NUMBER:
L-4.1
SEQUENCE: 5 of 10



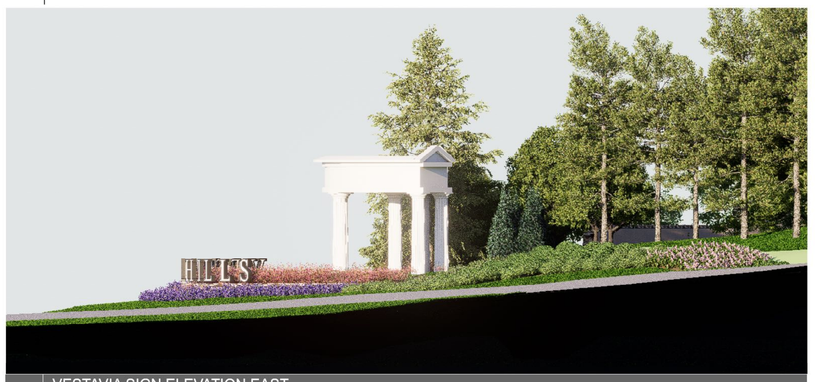
1 RETAINING WALL SIGN - PLAN VIEW
Scale: 3/32" = 1'-0"



2 SIGN JOINT
Scale: 3/4" = 1'-0"



3 TEMPLE REPLICA & RETAINING WALL
Scale: 3/16" = 1'-0"



4 VESTAVIA SIGN ELEVATION EAST
Scale: 3/32" = 1'-0"



5 VESTAVIA SIGN ELEVATION SOUTH
Scale: 3/32" = 1'-0"

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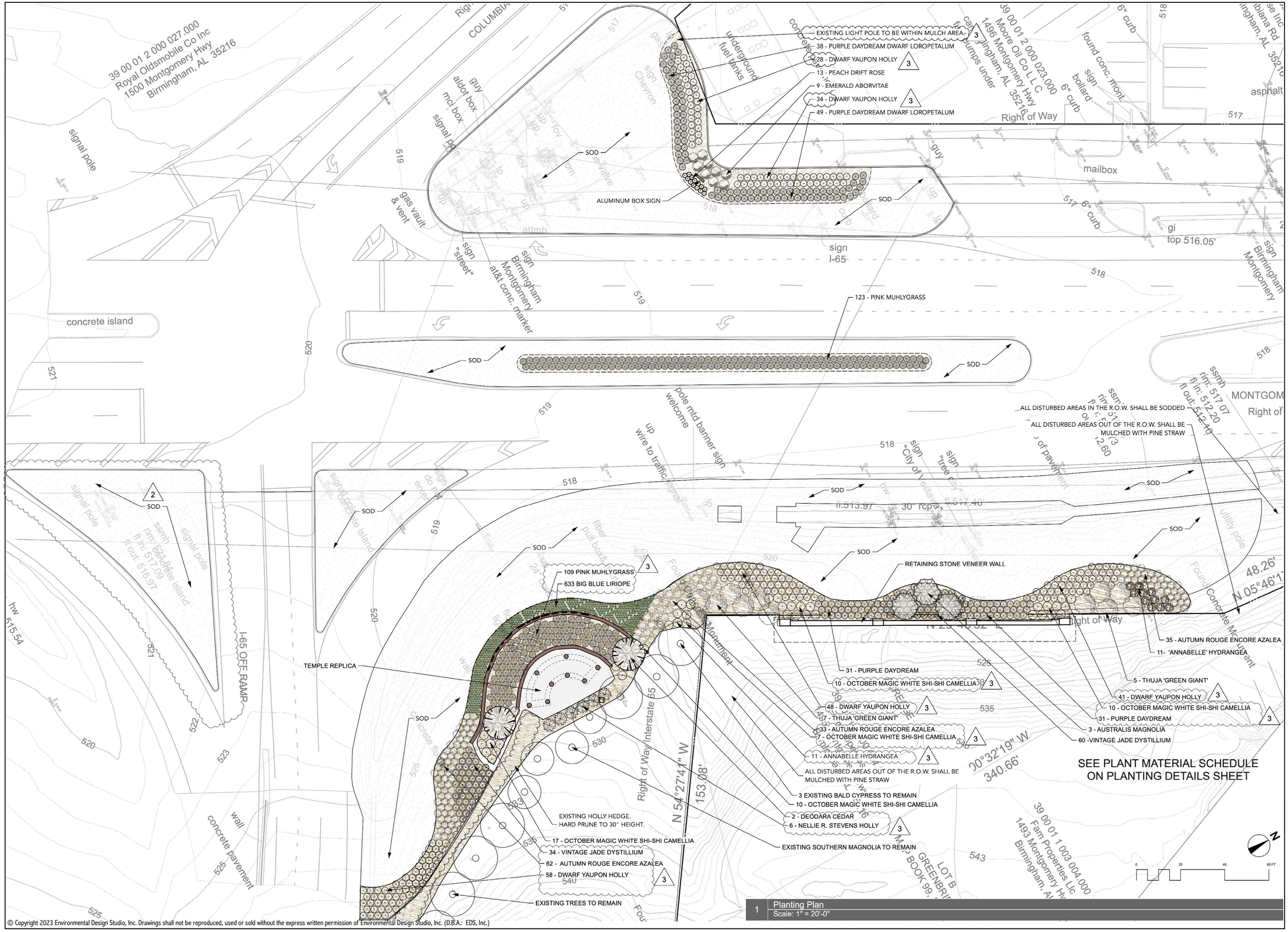
1	1/8/26	Revision #3 Wall, Sign, Plantings

DATE:	7/14/2025
SCALE:	Scale
PROJECT MANAGER:	Duane Pritchett
DRAWN:	Duane Pritchett
REVIEWED:	Duane Pritchett
PROJECT NO:	

SHEET TITLE :
Temple Retaining Wall Details

SHEET NUMBER:
L-4.2

SEQUENCE: 6 of 10



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City of Vestavia Hills
Highway 31 Gateway Signs

1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

1	19/11/25	Revision #2 Concrete Island to Sod. Add Annabelle Hydrangea
2	1/8/26	Revision #3 Wall, Sign, Plantings
3	2/13/26	Revision #4 Location of Small Sign

DATE:	7/14/2025
SCALE:	Scale
PROJECT MANAGER:	Duane Pritchett
DRAWN:	Duane Pritchett
REVIEWED:	Duane Pritchett
PROJECT NO:	

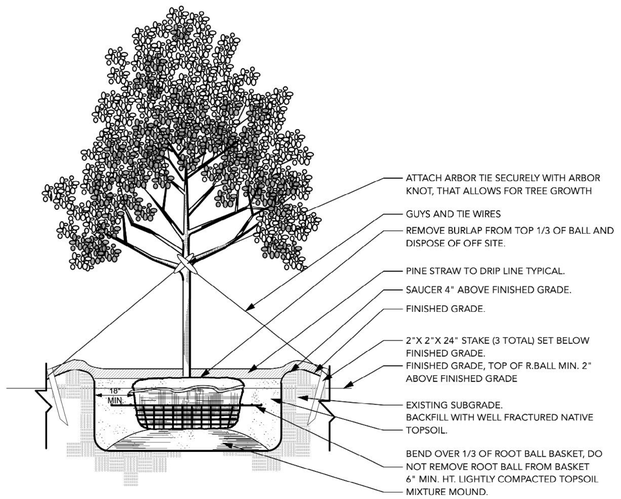
SHEET TITLE :

Planting Plan

SHEET NUMBER:

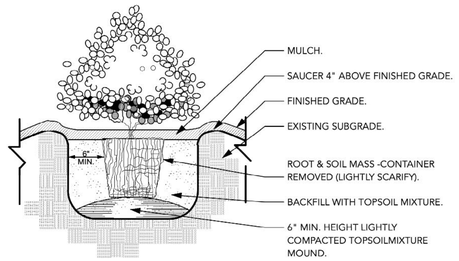
L-5.0

SEQUENCE: 6 of 10

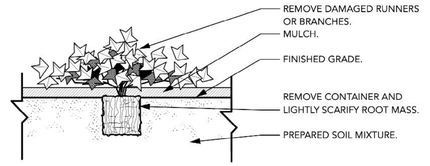


NOTE:
• STAKE AND GUY TREES.
• ROOT FLARES SHOULD BE NO MORE THAN 2" ABOVE EXISTING GRADE AFTER SETTLEMENT.

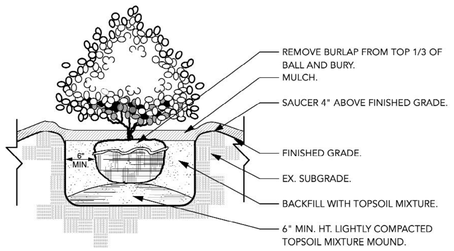
1 B&B Tree Planting Detail
Scale: Actual Size



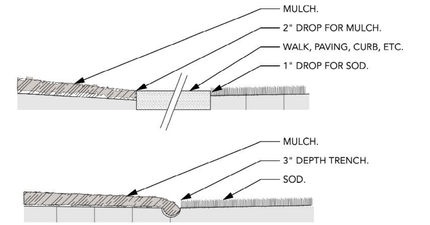
2 Container Shrub Planting Detail
Scale: Actual Size



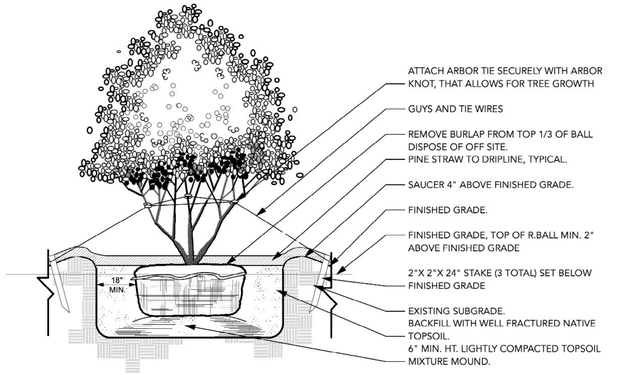
3 Groundcover Planting Detail
Scale: Actual Size



4 B&B Shrub Planting Detail
Scale: Actual Size

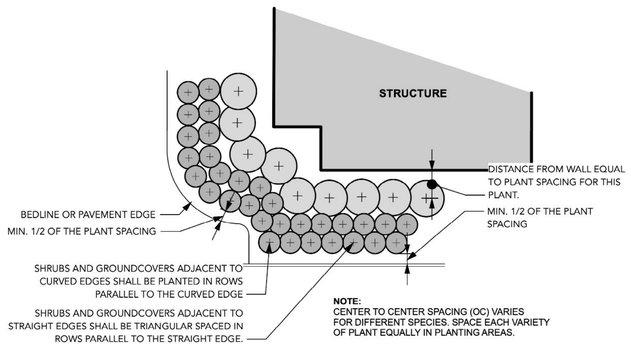


5 Edging Detail
Scale: Actual Size



NOTE:
• STAKE AND GUY TREES.
• BRANCH AND INTERCONNECT MAIN STEMS WITH ARBOR TIES (OR EQUAL) AS SHOWN.
• ROOT FLARES SHOULD BE NO MORE THAN 2" ABOVE EXISTING GRADE AFTER SETTLEMENT.

6 Multi-Trunk Tree Planting Detail
Scale: Actual Size



NOTE:
CENTER TO CENTER SPACING (OC) VARIES FOR DIFFERENT SPECIES. SPACE EACH VARIETY OF PLANT EQUALLY IN PLANTING AREAS.

7 Typical Plant Layout Detail
Scale: Actual Size

GENERAL PLANTING NOTES

1. CONTRACTOR SHALL HAVE FULL SIZE DRAWINGS ON SITE AT ALL TIMES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITE INSPECTION PRIOR TO LANDSCAPE CONSTRUCTION AND INSTALLATION IN ORDER TO ACQUAINT HIMSELF WITH EXISTING CONDITIONS. CONTRACTOR SHALL, FOR HIS OWN PROTECTION, BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING CONSTRUCTION.
3. DUE TO MODIFICATIONS MADE DURING CONSTRUCTION, SITE CONDITIONS MAY VARY FROM THOSE SHOWN. CONTRACTOR TO VERIFY ALL SUCH CONDITIONS TO HIS SATISFACTION. NO CHANGE IN CONTRACT PRICE WILL BE GRANTED FOR FAILURE TO OBSERVE THIS REQUIREMENT.
4. CONTRACTOR TO VERIFY ALL PLANT MATERIAL QUANTITIES AND PLANTING AREA DIMENSIONS PRIOR TO BEGINNING PLANTING. PROVIDE QUANTITIES AS REQUIRED TO MEET DESIGN INTENT AND REPORT ANY DIFFERENCES.
5. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL OR WORK CONSTRUCTED OR IMPLIED BY THESE PLANS, AT ANY TIME THROUGHOUT THE PROJECT.
6. CONTRACTOR SHALL STAKE TREE LOCATIONS AND LAY OUT BEDLINES 48 HOURS PRIOR TO PLANTING AND NOTIFY LANDSCAPE ARCHITECT FOR REVIEW. A MINIMUM 24 HOUR NOTICE SHOULD BE GIVEN AND ANTICIPATED BY THE CONTRACTOR FOR THIS REVIEW.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 2% SLOPE OR GREATER IN ALL PLANT AREAS.
8. CLEANUP AND DISPOSE OF OFF OWNER'S PROPERTY ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS FOLLOWING COMPLETION AND LEAVE NEAT, CLEAN AND READY FOR OWNER'S USE.
9. CONTRACTOR SHALL GUARANTEE ALL WORK AND PLANT MATERIAL, INCLUDING SEED AND/OR SOD, FOR ONE FULL YEAR FROM DATE OF FINAL ACCEPTANCE.
10. ALL SHRUB AREAS SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 6". ALL TURF (SEEDED OR SODDED) AREAS SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 3", UNLESS SPECIFIED OTHERWISE IN THE PLANS.
11. ALL TURF (SEEDED OR SODDED) AREAS SHALL HAVE SOIL TESTED BY TESTING LAB. FERTILIZER AND LIME APPLICATION REGIME SHALL BE DEVELOPED AND FOLLOWED PER LANDSCAPE ARCHITECT REVIEW.
12. ALL PLANTING BEDS AND TREE PITS SHALL BE MULCHED WITH A 3" SETTLED LAYER OF PINE STRAW MULCH.
13. PLANTS SHALL BE WELL FORMED, VIGOROUS GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM INJURY, INSECTS, AND DISEASES. PLANTS SHALL EQUAL OR SURPASS QUALITY AS DEFINED IN THE CURRENT ISSUE OF "AMERICAN STANDARDS FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERYMEN, INC.
14. ALL PLANT MATERIAL SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN. ALL SHRUBS, TREES, AND GROUNDCOVERS SHALL BE PLANTED WITH A SOIL MIXTURE CONSISTING OF 50% TOPSOIL AND 50% ORGANIC MATERIAL.
15. ALL TREES AND SPECIMEN PLANT MATERIAL SHALL BE LOCATED BY THE CONTRACTOR AT APPROVED NURSERIES OR THEIR EQUAL WHICH MUST BE APPROVED PRIOR TO BIDDING.
16. FRONT ROW OF SHRUBS SHALL BE PLANTED MINIMUM 24" BEHIND BEDLINE AT LAWNS, WALKS, AND BACK OF CURB AT PARKING SPACES.
17. BACK ROW OF SHRUB PLANTING SHALL BE PLANTED 36" OFF FACE OF BUILDING WALL, GROUNDCOVERS SHALL BE PLANTED MINIMUM 12" OUT FROM BUILDING.
18. EXCAVATE EDGE OF ALL PLANTING BEDS TO 4" DEPTH TO FORM A NEAT, CRISP EDGE.
19. SEASONAL COLOR SHALL BE PLANTED IN A FLOWERING STATE.
20. REMOVE ALL GUY WIRES AND STAKES AT END OF GUARANTEE PERIOD.
21. AMEND ALL PLANTING HOLES AT TIME OF PLANTING WITH AGRIFORM FERTILIZATION TABLETS AT THE RATE RECOMMENDED BY THE MANUFACTURER.
22. PINESTRAW ALL DISTURBED AREAS NOT OTHERWISE NOTED.
23. CONTRACTOR SHALL PROVIDE 12 MONTH WARRANTY FOR ALL WORK AND MATERIALS.
24. SHRUB TO BEAR SAME RELATION TO FINISHED GRADE AFTER SETTLEMENT AS IT BORE TO PREVIOUS GRADE.
25. THE CONTRACTOR SHALL PROVIDE STRAW MULCH, WATER, STRAW MAT OR HYDROSEED MULCH AS REQUIRED TO PROVIDE SOLID STAND OF GRASS, IN AREAS TO BE SEEDED.
26. INSTALL LEBANON TURF, ROOTS, TERRA-SORB MEDIUM. TREE AND SHRUB PLANTING: MIX ROOTS TERRA-SORB EVENLY WITH THE BACKFILL SOIL AT A RATE OF 2 OUNCES (BY WEIGHT) PER INCH CALIPER FOR BALLED AND BURLAPPED TREES AND SHRUBS, OR 1 OUNCE (BY WEIGHT) PER 5 GALLONS FOR CONTAINERIZED TREES AND SHRUBS. SEE MANUFACTURER'S INSTRUCTIONS.

IRRIGATION NOTES:

1. THERE IS NO IRRIGATION REQUIRED FOR THIS PROJECT.
2. THE CONTRACTOR IS RESPONSIBLE FOR WATERING AS REQUIRED FOR HEALTH OF PLANT MATERIAL FOR 12 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION.
3. THE CONTRACTOR SHALL INSTALL PLANTING WITH LEBANON TURF, ROOTS, TERRA-SORB MEDIUM PER MANUFACTURER'S SPECIFICATIONS.

PLANT MATERIALS SCHEDULE

Count	Scientific Name	Common Name	Size	Spacing	Root	Remarks
	Trees					
12	Thuja 'Green Giant'	Green Giant	8' -10' ht.	As Indicated	Cont.	Full plant
3	Magnolia Virginiana 'Australis'	Australis Bay Magnolia	8- 10' ht.	As Indicated	B&B	3 Trunks
2	Cedrus deodara	Deodar Cedar	8- 10' ht.	As Indicated	B&B	Full to ground
6	Ilex x 'Nellie R. Stevens'	Nellie R. Stevens Holly	8- 10' ht.	6' o.c.	B&B	Full to ground
	Shrubs					
130	Rhododendron 'Conlea'	Autumn Rouge Encore Azalea	15- 18" sp.	3' o.c.	Cont.	Full plant
54	Camellia sasanqua 'Shishi Gashira'	Shishi Gashira Camellia	18- 24" sp.	4' o.c.	Cont.	Full plant
9	Thuja occidentalis 'Smaragd'	Emerald Arborvitae	6- 8' ht.	4' o.c.	Cont.	Full plant
179	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	15- 18" sp.	3' o.c.	Cont.	Full Plant
105	Vintage Jade	Vintage Jade Distyllium	18- 24" sp.	4' o.c.	Cont.	Full Plant
87	Loropetalum chinense 'PIILC-III' PP25471	Purple Daydream Dwarf Loropetalum	15- 18" sp.	3' o.c.	Cont.	Full plant
232	Muhlenbergia capillaris	Pink Muhlygrass	15- 18" sp.	3' o.c.	Cont.	Full Plant
11	Hydrangea Arborescens 'Annabelle'	Annabelle Hydrangea	18- 24" sp.	4' o.c.	Cont.	Full plant
	Groundcover					
13	Rosa 'Meiggili'	Peach Drift Rose	3 gal.	2' o.c.	Cont.	Full plant
633	Liriope muscari 'Big Blue'	Big Blue Liriope	1 gal.	18" o.c.	Cont.	Full Plant
	Miscellaneous					
SOD	Cynodon dactylon '419'	Bermuda Sod		Solid Sod		Solid sod

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DUANE R. PRITCHETT
NUMBER 418
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City of Vestavia Hills
Highway 31 Gateway Signs
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

1	11/19/25	Revision #2; Concrete Island to Sod. Add Annabelle Hydrangea
2	1/8/26	Revision #3 Wall, Sign, Plantings
3	2/13/26	Revision #4 Location of Small Sign

DATE: 7/14/2025
SCALE: Scale
PROJECT MANAGER: Duane Pritchett
DRAWN: Duane Pritchett
REVIEWED: Duane Pritchett
PROJECT NO:

SHEET TITLE :

Planting Details

SHEET NUMBER:
L-5.1
SEQUENCE: 8 of 10

GENERAL NOTES:

1. **GENERAL:**

1.1. GENERAL BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION.

1.2. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN ALL CONTRACT DOCUMENTS AND NOTIFY THE STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES OR OMISSIONS.

1.3. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS AND STAMP ALL SHOP DRAWINGS WITH HIS SUBMITTAL REVIEW STAMP PRIOR TO SUBMITTING THEM TO THE ARCHITECT FOR FINAL REVIEW. SHOP DRAWINGS NOT BEARING THE CONTRACTOR'S SUBMITTAL REVIEW STAMP WILL BE RETURNED WITHOUT ACTION.

1.4. ALL SHOP DRAWINGS RELATED TO THE ITEMS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS SHALL BEAR THE ARCHITECT'S SUBMITTAL REVIEW STAMP PRIOR TO PROCEEDING.

1.5. DO NOT SCALE THESE DRAWINGS. WHERE DIMENSIONAL INFORMATION IS REQUIRED, OR DISCREPANCIES ARE NOTED, CONTACT THE ARCHITECT AND/OR STRUCTURAL ENGINEER.

1.6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES ARE NOTED.

1.7. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION.

1.8. THE STRUCTURE IS DESIGNED BASED ON THE COMPLETED CONDITION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING TO MAINTAIN STABILITY DURING CONSTRUCTION PRIOR TO THE COMPLETION OF THE STRUCTURE.

2. **FOUNDATION:**

2.1. ALL FOOTINGS AND FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. FOOTINGS ARE TO BEAR ON UNDISTURBED SOIL OR SATISFACTORY, COMPACTED STRUCTURAL FILL AS APPROVED BY THE GEOTECHNICAL ENGINEER.

2.2. FOOTINGS SHALL BE NEATLY EXCAVATED WITH ALL SURFACES FREE OF LOOSE AND WET MATERIAL. WHERE NEAT EXCAVATIONS ARE NOT POSSIBLE, FOOTING EDGES SHALL BE FORMED AND BRACED. EDGES OF FOOTING SHALL BE BACKFILLED WITH COMPACTED FILL OR LEAN CONCRETE AFTER FORMS ARE REMOVED.

2.3. ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE THEIR COMPLIANCE WITH RECOMMENDATIONS AND ALLOWABLE SOIL BEARING PRESSURE NOTED ABOVE. ALL FOOTING ELEVATIONS ARE ESTIMATED AND MAY REQUIRE ADJUSTMENT IN THE FIELD.

2.4. WHERE UNSUITABLE SOILS ARE ENCOUNTERED, THE GEOTECHNICAL ENGINEER SHALL PROVIDE RECOMMENDATIONS TO OBTAIN THE ALLOWABLE SOIL BEARING PRESSURE NOTED ABOVE (LEAN CONCRETE, APPROVED STRUCTURAL FILL, SOIL REMEDIATION, ETC.).

2.5. RETAINING WALLS SHALL BE BACKFILLED WITH #57 STONE PLACED IN A 45-DEGREE WEDGE EXTENDING FROM THE BACK OF THE FOOTING HEEL. STONE SHALL BE COMPACTED IN 1'-0" MAX LIFTS UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER.

2.6. THE OWNER SHALL HIRE A GEOTECHNICAL ENGINEER TO REVIEW THE FOUNDATION BEARING SURFACE TO ENSURE THE BEARING SURFACE COMPLIES WITH THE ALLOWABLE SOIL BEARING LISTED ABOVE AND THE BACKFILL MATERIAL SATISFIES THE SOIL PARAMETERS INDICATED FOR THE RETAINING WALL DESIGN.

3. **CONCRETE:**

3.1. CONCRETE DESIGN CODE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE - ACI 318 (EDITION REFERENCED IN THE APPLICABLE BUILDING CODE EDITION LISTED ABOVE).

3.2. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS, CONCRETE SHALL DEVELOP THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTH (f'c) OF 4,000 PSI.

3.3. WHERE CONCRETE MIXTURES CONTAIN FLY ASH (CLASS C OR F) TO REDUCE THE TOTAL AMOUNT OF PORTLAND CEMENT, WHICH WOULD OTHERWISE BE USED, THE FLY ASH SHALL BE LIMITED TO 25%, BY WEIGHT, OF THE TOTAL WEIGHT OF THE CEMENTITIOUS MATERIALS USED.

3.4. UNLESS OTHERWISE NOTED, REINFORCING STEEL SHALL BE GRADE 60, DEFORMED BARS, CONFORMING TO ASTM A615.

3.5. UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION, AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI-SP-66-LATEST EDITION).

3.6. ALL BAR SPLICES SHALL BE CLASS 'B' TENSION LAP SPLICES, AS SPECIFIED IN ACI 318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL NOT BE WELDED UNLESS APPROVED BY THE ENGINEER.

3.7. ALL EMBEDDED STRUCTURAL STEEL ITEMS, EXCEPT FOR ANCHOR RODS, SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36, UNLESS NOTED OTHERWISE. ANCHOR RODS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554, GRADE 36, UNLESS NOTED OTHERWISE.

3.8. INTERSECTING WALLS SHALL BE KEYED IF POURED SEPARATELY. RUN HORIZONTAL WALL REINFORCING CONTINUOUSLY INTO INTERSECTING WALL.

3.9. CHAMFER ALL EXPOSED CONCRETE CORNERS WITH ¾" x 45-DEGREE CHAMFER, UNLESS NOTED OTHERWISE.

3.10. CONTRACTOR TO REFER TO DRAWINGS OF OTHER TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES NOT SHOWN ON THE STRUCTURAL DRAWINGS.

3.11. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL MECHANICAL AND ELECTRICAL OPENINGS WITH THE MECHANICAL AND ELECTRICAL DETAILS AND SHOP DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL OPENINGS AND SLEEVES FOR PROPER DISTRIBUTION FOR ALL UTILITY LINES THROUGHOUT THE BUILDING.

3.12. SHEAR KEYS TO BE 2x4 NOMINAL, UNLESS NOTED OTHERWISE.

3.13. PROVIDE CONCRETE COVERAGE OF REINFORCEMENT AS FOLLOWS (PER ACI 318):

FOOTINGS	2" TOP 3" BOT & SIDES
WALLS	1 ½" EF

3.14. PROVIDE CORNER BARS AT ALL INTERSECTING WALLS AND FOOTINGS TO SPLICE WITH ALL CONTINUOUS REINFORCEMENT.

3.15. ALL CONCRETE SHALL BE CURED USING WET METHODS OR CURING COMPOUND PER ACI 301. COMPLY WITH ACI FOR MIXING, TRANSPORTING, FORMING, PLACING, AND CURING CONCRETE.

3.16. FOR COLUMNS, PEDESTAL, AND VERTICAL WALL REINFORCING, DOWEL VERTICAL BARS TO FOUNDATION WITH HOOKED BARS OF THE SAME SIZE AND SPACING OF VERTICAL BARS AND PROVIDE A CLASS 'B' TENSION LAP SPLICE.

3.17. CONCRETE FORMWORK: FORMWORK FOR ELEVATED CONCRETE SHALL BE DESIGNED, ERECTED, SHORED, BRACED, AND MAINTAINED ACCORDING TO ACI 301, TO SUPPORT VERTICAL, LATERAL, AND CONSTRUCTION LOADS THAT MIGHT BE APPLIED UNTIL STRUCTURE CAN SUPPORT SUCH LOADS. RETIGHTEN FORMS AND BRACING BEFORE PLACING CONCRETE, AS REQUIRED, TO PREVENT MORTAR LEAKS AND MAINTAIN PROPER ALIGNMENT.

3.18. FORM-FACING MATERIALS SHALL INCLUDE EXTERIOR GRADE PLYWOOD PANELS (HIGH-DENSITY OVERLAY, CLASS 1 OR BETTER), METAL, OR OTHER APPROVED PANEL MATERIALS.

3.19. FORMWORK FOR SIDES OF ELEVATED BEAMS, WALLS, COLUMNS, AND SIMILAR PARTS OF THE WORK THAT DO NOT SUPPORT THE WEIGHT OF THE CONCRETE MAY BE REMOVED AFTER CURING AT NOT LESS THAN 50 DEGREES FAHRENHEIT FOR 24 HOURS AFTER PLACING CONCRETE. LEAVE FORMWORK AND SHORING FOR BEAM SOFFITS, JOISTS, SLABS, AND OTHER STRUCTURAL ELEMENTS THAT SUPPORT THE WEIGHT OF THE CONCRETE IN PLACE UNTIL THE CONCRETE HAS ACHIEVED AT LEAST 75% OF ITS 28 DAY DESIGN COMPRESSIVE STRENGTH BUT NOT LESS THAN 7 DAYS.

3.20. CONCRETE COLD-WEATHER PLACEMENT: COMPLY WITH ACI 306.1 AND AS FOLLOWS. PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS, OR LOW TEMPERATURES.

WHEN AVERAGE HIGH AND LOW TEMPERATURE IS EXPECTED TO FALL BELOW 40 DEGREES FAHRENHEIT FOR THREE SUCCESSIVE DAYS, MAINTAIN DELIVERED CONCRETE MIXTURE TEMPERATURE WITHIN THE TEMPERATURE RANGE REQUIRED BY ACI 301.

DO NOT USE FROZEN MATERIALS OR MATERIALS CONTAINING ICE OR SNOW. DO NOT PLACE CONCRETE ON FROZEN SUBGRADE OR SUBGRADE CONTAINING FROZEN MATERIALS.

DO NOT USE CALCIUM CHLORIDE, SALT, OR OTHER MATERIALS CONTAINING ANTIFREEZE AGENTS OR CHEMICAL ACCELERATORS UNLESS OTHERWISE SPECIFIED AND APPROVED IN MIXTURE DESIGNS.

3.21. CONCRETE HOT-WEATHER PLACEMENT: COMPLY WITH ACI 301 AND AS FOLLOWS:

MAINTAIN CONCRETE TEMPERATURE BELOW 90 DEGREES FAHRENHEIT AT TIME OF PLACEMENT. CHILLED MIXING WATER OR CHOPPED ICE MAY BE USED TO CONTROL TEMPERATURE, PROVIDED WATER EQUIVALENT OF ICE IS CALCULATED TO TOTAL AMOUNT OF MIXING WATER. USING LIQUID NITROGEN TO COOL CONCRETE IS CONTRACTOR'S OPTION.

FOG-SPRAY FORMS, STEEL REINFORCEMENT, AND SUBGRADE JUST BEFORE PLACING CONCRETE. KEEP SUBGRADE UNIFORMLY MOIST WITHOUT STANDING WATER, SOFT SPOTS, OR DRY AREAS.

3.22. CONCRETE TESTING: THE OWNER SHALL HIRE AN INDEPENDENT QUALIFIED TESTING AGENCY TO PERFORM THE CONCRETE TESTING BELOW. COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C 172, SHALL BE TESTED BASED ON THE FOLLOWING REQUIREMENTS:

A. OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE EXCEEDING 5 CUBIC YARDS BUT LESS THAN 25 CUBIC YARDS, PLUS ONE SET FOR EACH ADDITIONAL 50 CUBIC YARDS.

B. SLUMP: PER ASTM C 143. ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.

C. AIR CONTENT: PER ASTM C 231. ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.

D. CONCRETE TEMPERATURE: PER ASTM C 1064. ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEGREES FAHRENHEIT AND BELOW OR 80 DEGREES FAHRENHEIT AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE.

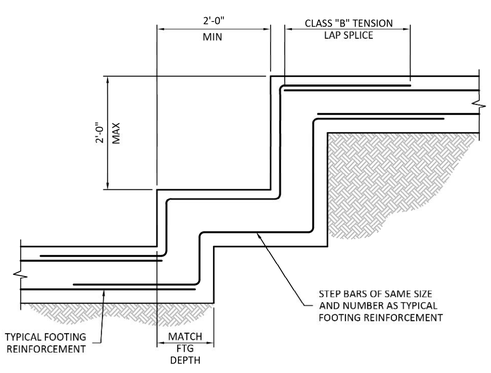
E. COMPRESSIVE TEST SPECIMENS: PER ASTM C 31. CAST AND LABORATORY CURE THREE SETS OF TWO STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.

F. COMPRESSIVE STRENGTH TEST: PER ASTM C 39. TEST ONE SET OF TWO LABORATORY CURED SPECIMENS AT 7 DAYS AND ONE SET OF TWO SPECIMENS AT 28 DAYS. HOLD ADDITIONAL SET OF TWO SPECIMENS FOR 56 DAY TEST IF REQUIRED. A COMPRESSIVE STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM A SET OF TWO SPECIMENS OBTAINED FROM THE SAME COMPOSITE SAMPLE AND TESTED AT THE AGE INDICATED.

CLASS "B" TENSION LAP SPLICE TABLE

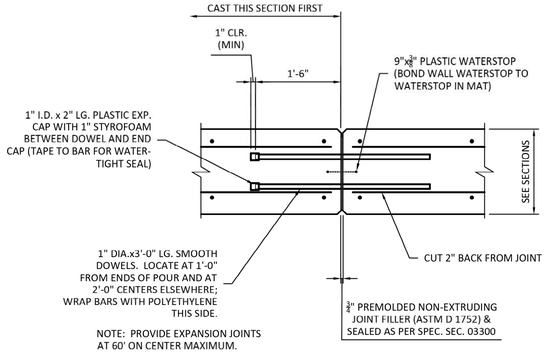
BAR SIZE	d_b (in)	f'c = 4000 psi	
		TOP BARS	OTHER BARS
#3	0.375	24"	19"
#4	0.500	32"	25"
#5	0.625	40"	31"
#6	0.750	48"	37"
#7	0.875	70"	54"
#8	1.000	80"	62"
#9	1.128	91"	70"
#10	1.270	102"	79"
#11	1.410	113"	87"

1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE DEVELOPMENT LENGTH OR SPLICE.
2. CLEAR COVER AND SPACING MUST MEET THE FOLLOWING:
   - BEAMS/COLUMNS: COVER AT LEAST $1d_b$; C-C SPACING AT LEAST $2d_b$
   - ALL OTHERS: COVER AT LEAST $1d_b$; C-C SPACING AT LEAST $3d_b$
3. TABLE IS BASED ON REINFORCING BAR YIELD STRENGTH (f_y) OF 60 ksi AND NORMAL WEIGHT CONCRETE. WHERE LIGHT WEIGHT CONCRETE IS USED, SPLICE LENGTHS SHALL BE INCREASED 30%.
4. TO OBTAIN CLASS "A" TENSION LAP SPLICE LENGTHS (DEVELOPMENT LENGTH), DIVIDE SPLICE LENGTHS BY 1.3.



FOOTING STEP DETAIL

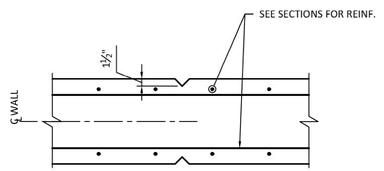
TYPICAL



NOTE: PROVIDE EXPANSION JOINTS AT 60' ON CENTER MAXIMUM.

CONCRETE WALL EXPANSION JOINT DETAIL

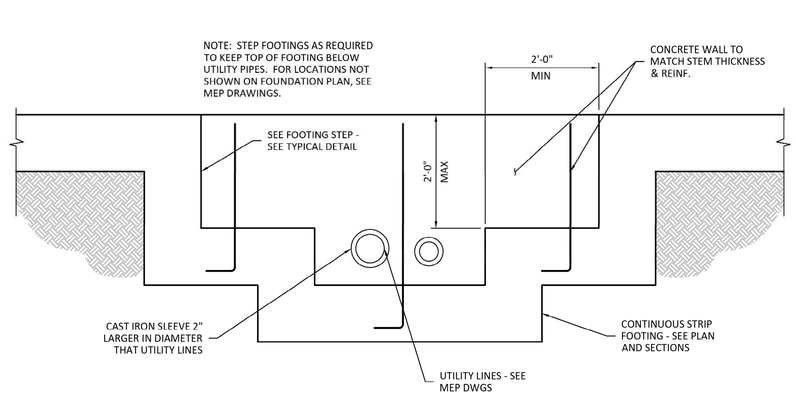
TYPICAL



NOTE: LOCATE CONTROL JOINTS AT 15'-0" O.C., MAXIMUM.

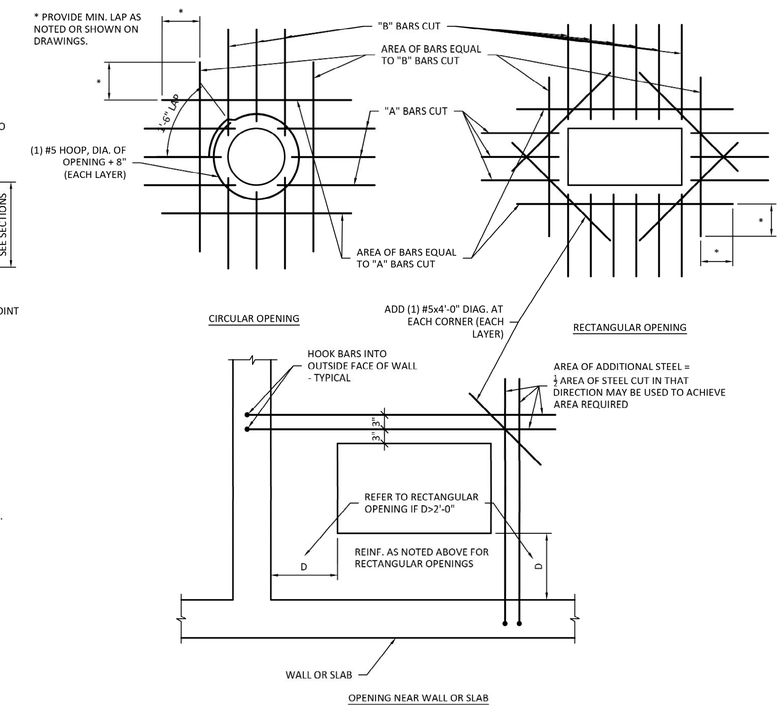
CONCRETE WALL CONTROL JOINT DETAIL

TYPICAL



FOUNDATION WALL AT UTILITIES

TYPICAL



CONCRETE WALL OPENING REINFORCEMENT DETAIL

TYPICAL

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Environmental Design Studio
Landscape Architecture
Site Planning
phone: 205.585.8414
environmentaldesignstudio.com

STATE OF ALABAMA
DUANE R. PRITCHETT
NUMBER 418
REGISTERED LANDSCAPE ARCHITECT

City of Vestavia Hills
Highway 31 Gateway Signs

1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

1	12/23/2025	Remove Existing Magnolia Tree
2	12/23/2025	CHANGE WALL DESIGN
3	12/23/2025	Word Sign on Retaining Wall

DATE:	7/14/2025
SCALE:	Scale
PROJECT MANAGER:	Duane Pritchett
DRAWN:	Duane Pritchett
REVIEWED:	Duane Pritchett
PROJECT NO:	

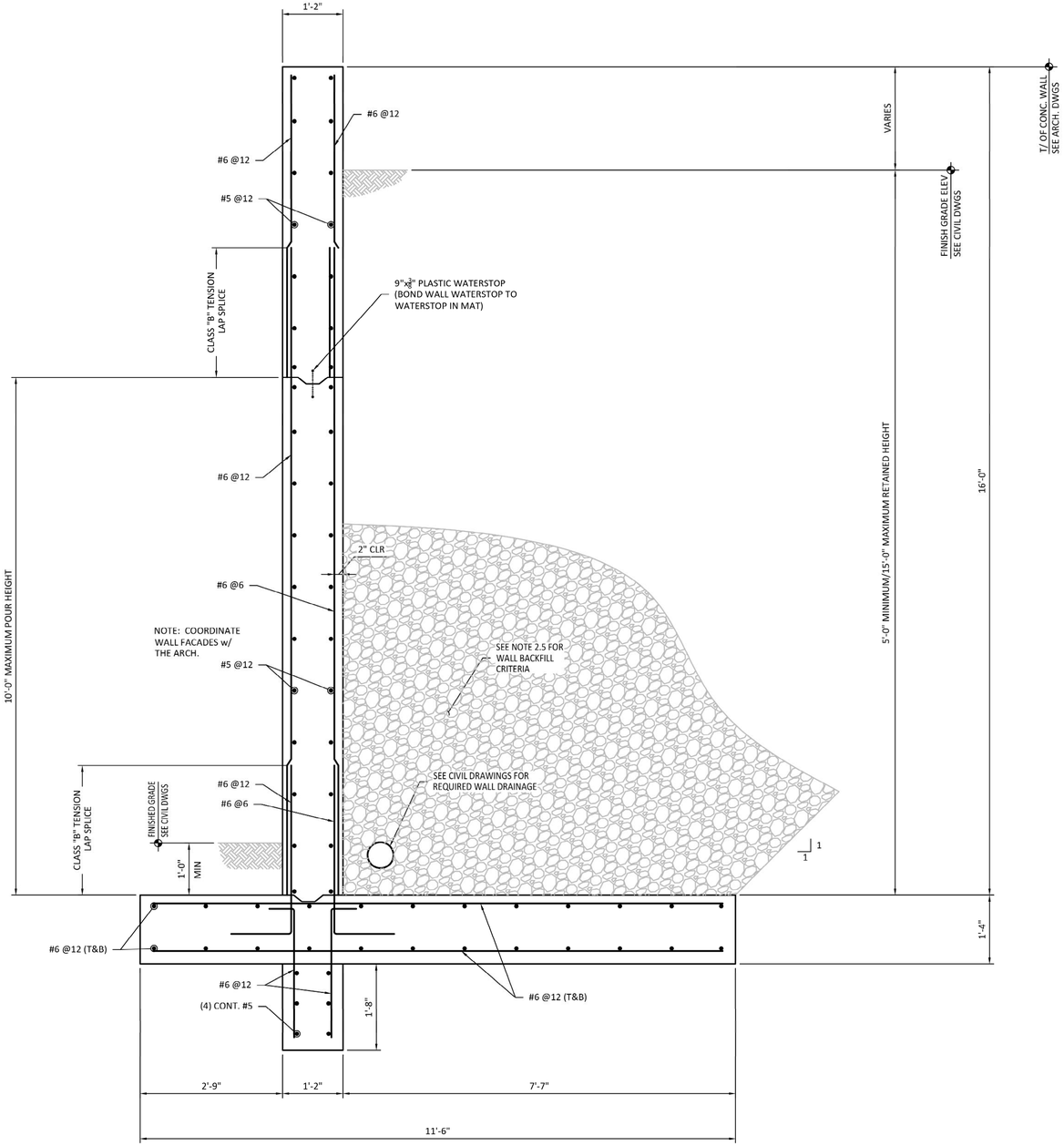
SHEET TITLE :

General Notes and Typical Details

SHEET NUMBER:

S-1.1

SEQUENCE: 9 of 10



NOTE: SEE LANDSCAPE ARCHITECT DRAWINGS FOR WALL LOCATIONS.

RETAINING WALL DESIGN BASED ON THE FOLLOWING ASSUMED SOIL PARAMETERS (SEE FOUNDATION NOTES):

- LATERAL SOIL PRESSURE = 45 pcf
- PASSIVE PRESSURE = 250 pcf
- DENSITY OF BACKFILL = 105 pcf
- COEFFICIENT OF FRICTION BETWEEN BOTTOM OF FOOTING AND SUBGRADE = 0.40
- ALLOWABLE SOIL BEARING = 2000 psf

RETAINING WALL SECTION

TYPICAL

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STATE OF ALABAMA
DUANE R. PRITCHETT
NUMBER 418
REGISTERED LANDSCAPE ARCHITECT

City of Vestavia Hills
Highway 31 Gateway Signs
1499 Highway 31 South, Vestavia Hills, Alabama

REVISIONS

1 12/23/2025 Remove Existing Magnolia Tree
2 12/23/2025 CHANGE WALL DESIGN
3 12/23/2025 Word Sign on Retaining Wall

DATE: 7/14/2025
SCALE: Scale
PROJECT MANAGER: Duane Pritchett
DRAWN: Duane Pritchett
REVIEWED: Duane Pritchett
PROJECT NO:

SHEET TITLE :

Wall Section

SHEET NUMBER:

S-1.2

SEQUENCE: 10 of 10

Record No: DRB-25-6

Design Review Board Application

Status: Complete

Submitted On: 4/3/2025

Primary Location

3480 BRAYFIELD LN
VESTAVIA HILLS, AL 35242

Owner

Neal Shah
1036 Kentucky Ave NE ATLANTA, ga 30306

Agenda Information

Agenda Schedule

Comment/Delay/Information:

Description of Property

Subject Property Address

1151 South Liberty RD

Property Zoning Classification

PUD - PB

Subdivision Name, Lot #, Block #, etc.

Lot 3B of Resurvey of Lot 3 of the Bray Town Center Phase II

Reason for Request

Check all that apply

Preliminary Review

☐

Landscape Review

☐

Architectural Review

☑

Final Review of Materials

☐

Other

☐

Detailed Explanation

Design Review Board - New one-story childcare center.

Process

Check all that apply

New Building

☑

Renovation of Existing Building

☐

New Landscape Plan

☐

Renovation to Existing Landscaping Plan

☐

Other

☐

Detailed Explanation

Day Care Building Design Narrative:

The new one-story childcare center is 12,772 sqft.

The design of the day care building is inspired by a contemporary style while adhering to the design guidelines of The Bray at Liberty and the specifications of the Goddard School.

The building massing elements are reflective of cubic volumes with varying heights, widths, and depths to create architectural shadows and points of interest. The footprint of the building provides a side yard for infant play, a front yard for play for all ages, and a rear playground accessible to all age groups. With a strong use of horizontal linear patterns and textures, the diverse exterior building materials we have selected will serve as a transitional element between the commercial and residential areas within The Bray Development. The chosen color palette features earth tones alongside shades of gray.

The front of the building, located on Brayfield Lane, will include a large canopy for weather protection, as well as a gated front yard that can be utilized for outdoor play during favorable weather. In addition to protection from the elements, Goddard requires the installation of bollards for safety. Our mushroom-style bollards will be made of concrete, accompanied by landscape boulders at the planting beds.

On the left side of the building, we have incorporated a large metal-framed pergola into the infant play area to comply with design requirements while providing shade for the infants. The pergola will feature a solid mesh covering for additional protection from the sun.

Along the rear elevations of the building, we will have metal awnings supported by tie-backs or cantilevered designs to provide coverage at each exterior door.

The playground equipment will feature natural colors and will be appropriately positioned according to Goddard standards, ensuring it is set back far enough from the street. Goddard requires fencing around the entire parcel, as detailed in our design documents.

Affidavit:

I do hereby declare the above statements are true and that I, the owner, and/or my duly appointed representative will be at the scheduled hearing. Simultaneously with the submittal of this application, I am hereby submitting a notarized affidavit signed by the owner of the property in the attachments section of this application. NOTE: Applications cannot be processed without the notarized owners affidavit.

Review Requirements

The following information and exhibits shall be provided and presented on your proposed project for review. The Board will review the three project components at the meeting. The Board must approve all three components before any permit is issued. A design professional, owner, or owner representative with knowledge of design elements and project provisions should represent the project to the committee.

General: Provide three copies and one digital copy (pdf format) of all drawings or plans required below for review. Drawings must be to scale. These drawings should be turned in with the application. Drawings shall be folded to size 8 ½” by 11”.

1. Architectural Review
    a. Site plan showing roadways, entrances, exits and parking
    b. Building elevations showing construction material, material colors, context, and protrusions. Color rendering is preferred. Roof design must be detailed.
    c. Presentation by architect or owner with knowledge of compatibility with adjacent structures, city context, etc.
2. Landscape Review
    a. Site plan showing contours, drainage containment areas, parking spaces, sidewalks, buffers, site lighting and details, etc.
    b. Landscape plan showing planting materials, designations, size, potted planting, window boxes, vines, etc. Trees will be identified by botanical name, quantity, and caliper. Shrubs will be identified by botanical name, quantity, and container size. Differentiate between existing and new landscaping.
    c. Parking lots: Provide calculations of total square footage and square footage designed for landscaping. Indicate handicapped spaces. Indicate size of parking spaces.
    d. Irrigation plan for all landscaped areas.
    e. Statement of maintenance policy and provisions.

Internal reviews/information

Meeting Date

Preliminary Review

Landscape Review

Architectural Review

Final Review of Materials

Other

Jack Wakefield

From: Chris Evans [redacted]
Sent: Wednesday, April 22, 2026 11:11 AM
To: Jack Wakefield
Subject: Re: [External] 1030 SOUTH LIBERTY RD --Goddard School
Attachments: Outlook-uq50axis; 2024-43_Goddard School Liberty Park_ARC 042226.pdf

Thank you.

I have attached our received elevations.

We are requesting approval for the following exterior revisions:

-South Elevation: Adjustment to the roof line to the left of the Goddard sign.
-Building Signage: Relocation of the building sign; size and shape remain unchanged.
-Exterior Materials: Removal of lap siding and replacement with stucco.
-Removed some fence and replaced it with bollards.

No change in landscape plans (not included the attached set, only sheets that have changed)

Happy to jump on a call if you have any questions.

I'm happy to attend the council meeting, but I'll be traveling from Athens. Let me know if you think this is necessary.

[redacted]

GODDARD SCHOOL

LIBERTY PARK

VESTAVIA HILLS, AL

LOT #3B of Bray Town Center Phase II





ARC DRAWING INDEX

	SHEET NAME	ARC SUBMISSION 03.05.25	ARC REVISION 1 03.31.25	ARC REVISION 2 04.02.25	VESTAVIA HILLS DRB 04.03.25	ARC PHOTOMETRICS & LANDSCAPE 5.12.25	ARC LIBERTY COMMENTS 4.22.26
C0-0	COVER SHEET	●	●	●	●		
TP1	TOPOGRAPHIC SURVEY	●	●	●	●		
C1-0	GENERAL NOTES	●	●	●	●		
C2-0	SITE LAYOUT PLAN	●	●	●	●		
C2-1	LAYOUT COORDINATE PLAN	●	●	●	●		
C3-0	GRADING & DRAINAGE PLAN	●	●	●	●		
C3-1	STORM PROFILES	●	●	●	●		
C4-0	INITIAL EROSION & SEDIMENT CONTROL PLAN	●	●	●	●		
C4-1	INTERMEDIATE EROSION & SEDIMENT CONTROL PLAN	●	●	●	●		
C4-2	FINAL EROSION & SEDIMENT CONTROL PLAN	●	●	●	●		
C5-0	ROAD PLAN & PROFILE	●	●	●	●		
C6-0	UTILITY PLAN	●	●	●	●		
C6-1	SANITARY PROFILE	●	●	●	●		
C7-0	DETAILS	●	●	●	●		
C7-1	DETAILS	●	●	●	●		
C7-2	DETAILS	●	●	●	●		
C7-3	DETAILS	●	●	●	●		
C7-4	DETAILS	●	●	●	●		
C7-5	PLAYGROUND DETAILS			●	●		
C7-6	PLAY AREA DETAILS			●	●		
C7-7	FENCE AND BOLLARD DETAILS			●	●		
L0.0	GENERAL NOTES	●	●	●	●	●	
L1.1	LANDSCAPE PLAN	●	●	●	●	●	
L2.1	LANDSCAPE DETAILS	●	●	●	●	●	
L3.1	IRRIGATION SLEEVING PLAN	●	●	●	●	●	
L3.2	IRRIGATION DETAILS	●	●	●	●	●	
(A) ARCHITECTURAL							
A-1.0	FLOOR PLAN	●	●	●			
A-2.0	EXTERIOR ELEVATIONS	●	●	●			●
A-2.1	EXTERIOR ELEVATIONS	●	●	●			●
A-2.2	EXTERIOR RENDERINGS	●	●	●	●		
A-6.3	ARCHITECTURAL SITE DETAILS	●	●	●			
A-6.4	GODDARD SITE DETAILS			●			
A-6.5	GODDARD SITE DETAILS			●			
A-6.6	GODDARD SITE DETAILS						
(E) ELECTRICAL							
E-501	ELECTRICAL SITE PLAN	●	●	●		●	

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CONSULTING ENGINEERS:

GODDARD SCHOOL LIBERTY

LIBERTY PARK
VESTAVIA HILLS, AL
LOT #3B OF Bray Town Center Phase II

Seal:

No.	Issue Notes	Date

Design Firm

297 PRINCE AVE. SUITE 28B
ATHENS, GEORGIA
O: 706.850.1330

Drawing Title

COVER SHEET

Date: 03.26.26 | Project Number: 2024-43

Drawing Number

A-0.0 (arc)

GENERAL NOTES:

1. ALL DIMENSIONS SHOWN ARE MEASURED FROM STUD FACE TO STUD FACE OF INTERIOR WALL UNLESS NOTED OTHERWISE. (U.N.O.)

2. ALL INTERIOR WALLS ARE 2X4 WOOD STUDS U.N.O.

3. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCEMENT OF THE WORK.

4. FIRE EXTINGUISHER CABINETS AND HANGING FIRE EXTINGUISHERS (FEC AND HFE) TO BE LOCATED PER LOCAL FIRE CODES. (PROVIDE BLOCKING AND KEEP CLEAR OF ALL ELECTRICAL AND PLUMBING LINES).

5. SEE 32/A-3.1 FOR SCREEN PANEL SECTION LOCATED IN RESTROOM 121

6. FRAMING CONTRACTOR SHALL PROVIDE SOLID WOOD BLOCKING AT ALL WALL MOUNTED FIXTURES, INCLUDING, BUT NOT LIMITED TO - WALL MOUNTED SHELVING, BASE AND UPPER CABINETS, CUBBIES, CLOSET SHELVING AND RODS, WALL MOUNTED DOOR STOPS, TOILET ROOM PARTITIONS, LAV'S, GRAB BARS, MIRRORS, SOAP DISPENSERS, WASTE RECEPTACLES, TOILET PAPER DISPENSERS, MOP SINK, AND ACCESSORIES.

7. SEE SECTION 11/A-3.4 FOR TYP. CLOSET SHELVING AND PANTRY SHELVING.

8. 48" H. CORNERS GUARDS SHALL BE INSTALLED ON ALL OUTSIDE CORNERS (FLUSH TO FLOOR - BASE TO ABUT) THROUGHOUT THE BUILDING INCLUDING HALF WALLS AT DIAPER CHANGING SINKS. SEE: 3/A-3.4

9. A MIN. CLEAR AREA OF 18" IS REQUIRED TO THE SIDE OF EACH DOOR STRIKE JAMB ON THE PULL SIDE, U.N.O.

10. ALL COUNTERTOP EDGES AND CORNERS SHALL BE ROUNDED. ADD FULL BULL-NOSE WITH ROUNDED CORNERS.

11. CORDLESS ROLLER SHADES SHALL BE INSTALLED ON ALL OUTSIDE WINDOWS.

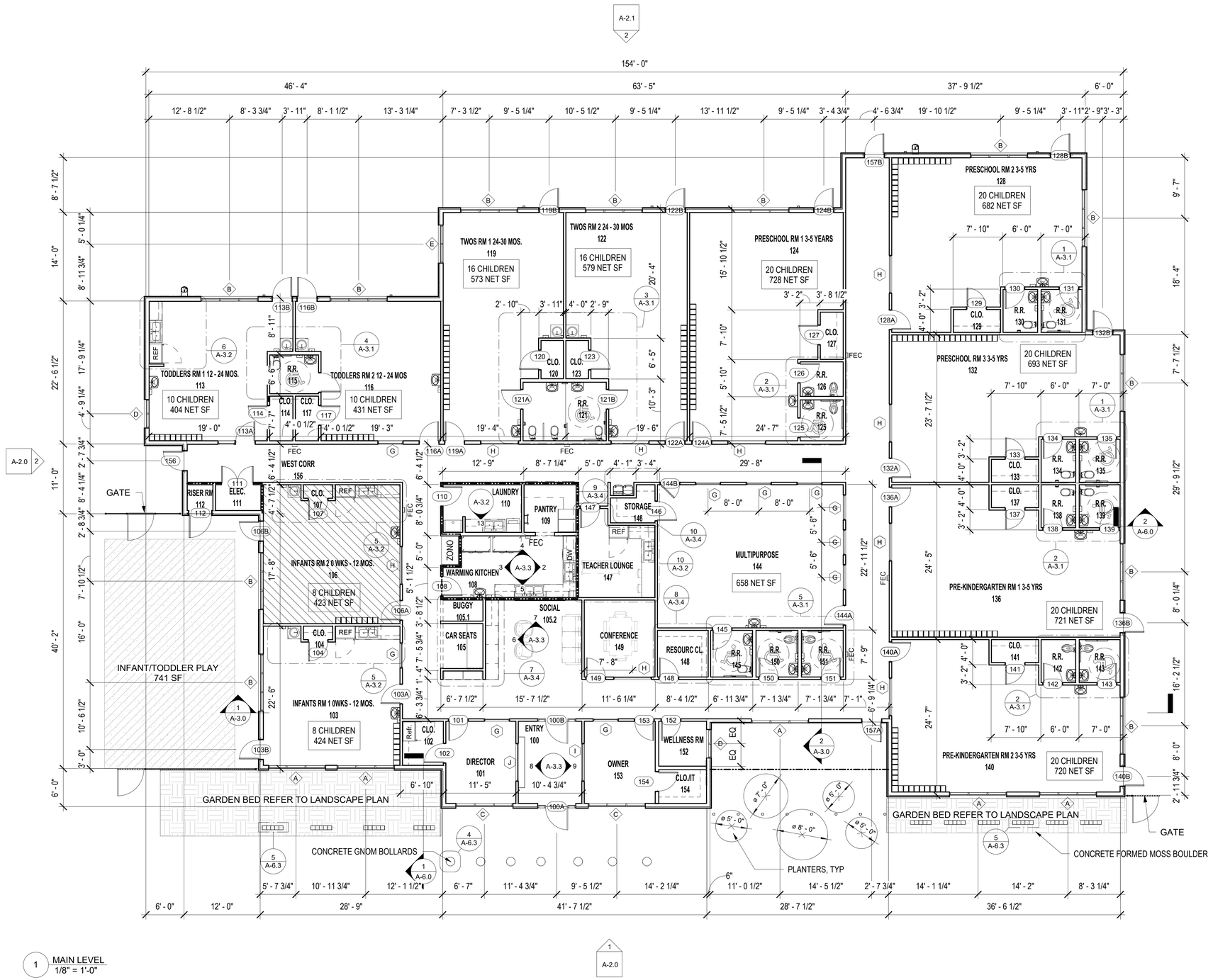
12. SEE SHEET A-3.1 FOR WALL HUNG CHILD HAND WASH LAVATORY MOUNTING HEIGHTS IN CLASSROOMS.

13. SEE SHEETS A-3.2 & A-3.1 FOR PHONE, DUPLEX, AND LIGHT SWITCH MOUNTING HEIGHTS IN CLASSROOMS.

14. PROVIDE SOLID BLOCKING AT ALL CONNECTIONS TO THE WALL. ADD 24" WIDE BY 16" DEEP SHELF ABOVE PHONE SERVICE FOR NETWORKING HARDWARE IN ELEC. ROOM 111.

15. COORDINATE CORRECT HEIGHT OF QUAD OUTLET ABOVE CUBBIES AS SHOWN ON SHEET A-3.4

16. CG. TO COORDINATE POWER AND DATA LOCATIONS ON SITE WITH OWNER TO CONFIRM ADDED TV LOCATION.



1 MAIN LEVEL
1/8" = 1'-0"

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CONSULTING ENGINEERS:

GODDARD SCHOOL LIBERTY

LIBERTY PARK
VESTAVIA HILLS, AL
LOT #3B OF Bray Town Center Phase II

Seal:

No.	Issue Notes	Date
	ADDENDUM 2	7.23.25
2	IFC	03.26.25

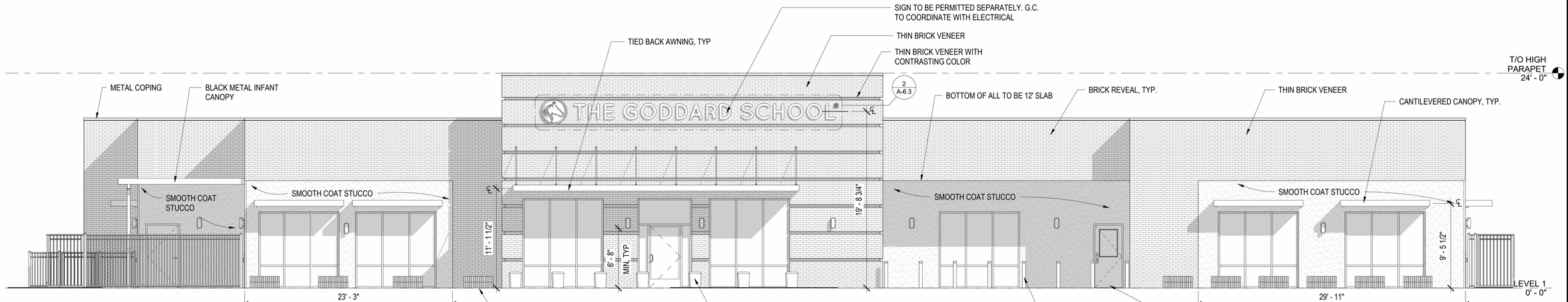
Design Firm
ARCHITECTURE
297 PRINCE AVE. SUITE 28B
ATHENS, GEORGIA
O: 706.850.1330

Drawing Title
FLOOR PLAN

Date: 03.26.26 Project Number: 2024-43

Drawing Number
A-1.0

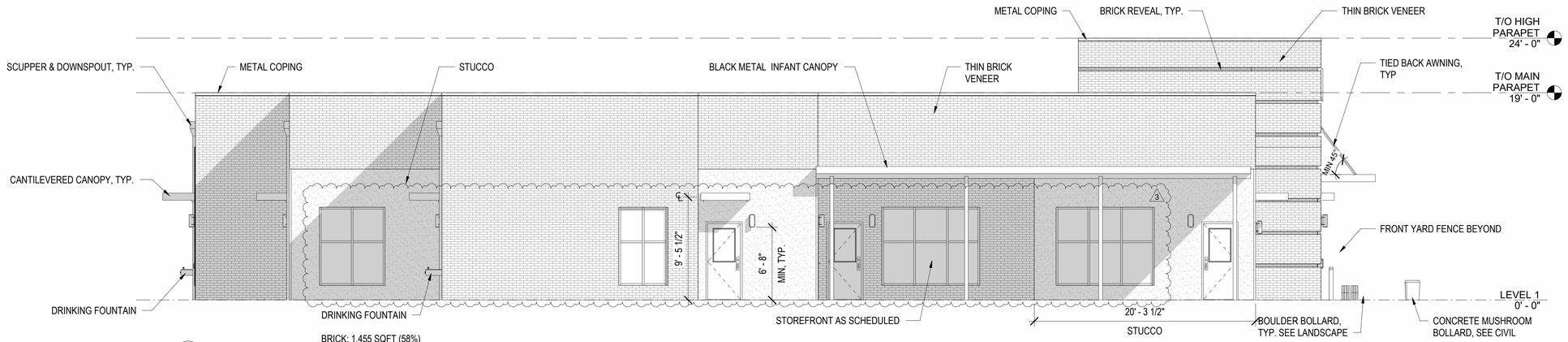
FACADE MATERIAL CALCULATIONS:
TOTAL AREA: 10,132 SQFT
BRICK: 6,242 SQFT (62%)
STUCCO: 2,532 SQFT (25%)
GLASS: 1,358 SQFT (13%)



OPTIONAL DESIGN INTENT
PAINT CHARACTER HEADS
ON BOLLARD

1 SOUTH ELEVATION
3/16" = 1'-0"

BRICK: 1,843 SQFT (58%)
STUCCO: 678 SQFT (22%)
GLASS: 629 SQFT (20%)
TOTAL: 3,150 SQFT



2 WEST ELEVATION
3/16" = 1'-0"

BRICK: 1,455 SQFT (58%)
STUCCO: 413 SQFT (20%)
GLASS: 176 SQFT (9%)
TOTAL: 2,044 SQFT

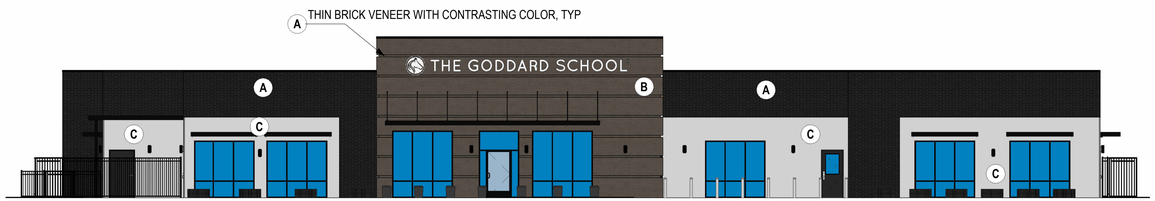
A: BRICK
MANF: TAYLOR (OR EQUAL)
COLOR: BLACK ONYX (ON ALL ELEVATIONS)
SIZE: THIN
TEXTURE: WIRECUT



B: BRICK
MANF: PALMETTO (OR EQUAL)
COLOR: .75 GREYSTONE (ONLY FRONT)
SIZE: THIN OR STANDARD
TEXTURE: WIRECUT



C: SMOOTH STUCCO
COLOR: COBBLE STONE



4 GODDARD LIBERTY COLORED IMAGE
NTS

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CONSULTING ENGINEERS:

GODDARD SCHOOL LIBERTY

LIBERTY PARK
VESTAVIA HILLS, AL
LOT #3B OF Bray Town Center Phase II

Seal:

No.	Issue Notes	Date
1	ARC CHANGE OF MATERIAL	01.08.26
2	IFC	03.26.25
3	ARC LIBERTY COMMENTS	04.22.26

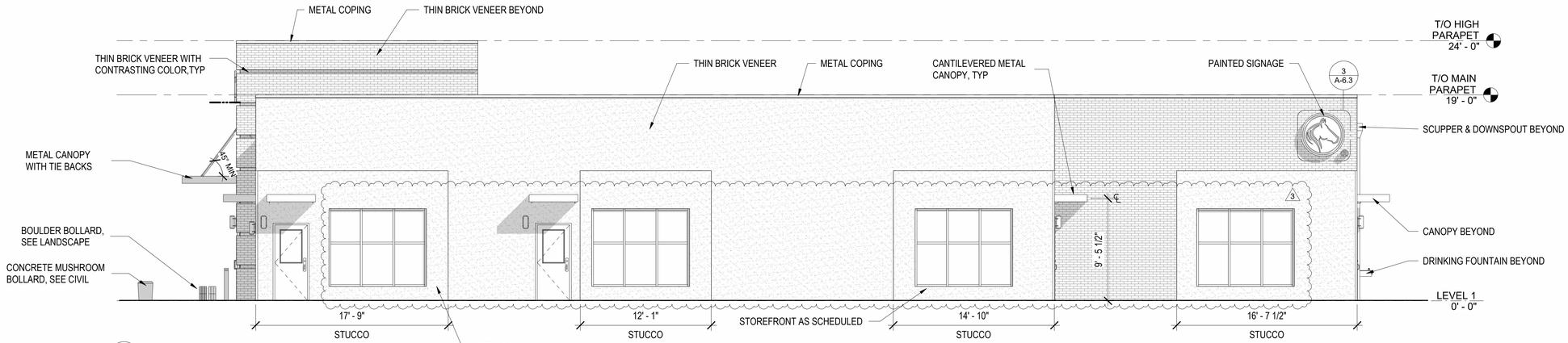
Design Firm
E+E ARCHITECTURE
297 PRINCE AVE. SUITE 28B
ATHENS, GEORGIA
O: 706.850.1330

Drawing Title
EXTERIOR ELEVATIONS

Date: 03.26.26
Project Number: 2024-43

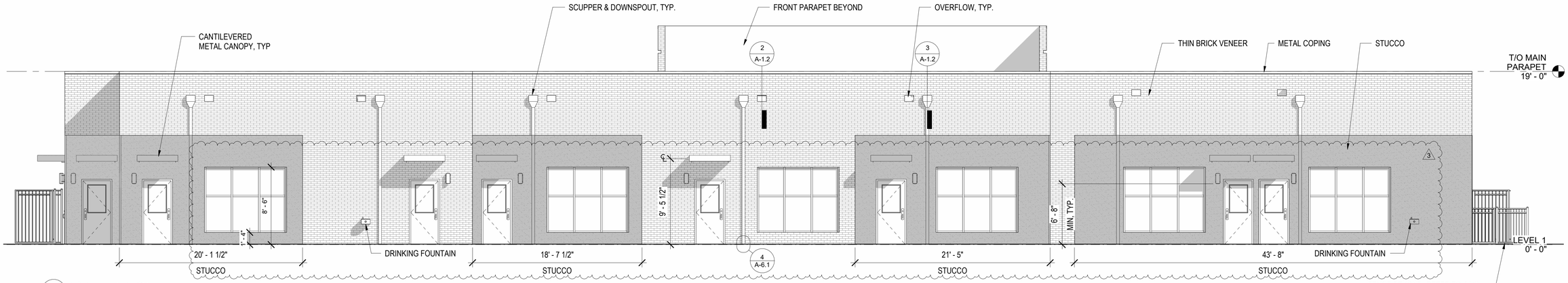
Drawing Number
A-2.0

FACADE MATERIAL CALCULATIONS:
TOTAL AREA: 10,132 SQFT
BRICK: 6,242 SQFT (62%)
STUCCO: 2,532 SQFT (25%)
GLASS: 1,358 SQFT (13%)



1 EAST ELEVATION
3/16" = 1'-0"

BRICK: 1,319 SQFT (65%)
STUCCO: 514 SQFT (25%)
GLASS: 211 SQFT (10%)
TOTAL: 2,044 SQFT



2 NORTH ELEVATION
3/16" = 1'-0"

BRICK: 1,625 SQFT (56%)
STUCCO: 927 SQFT (32%)
GLASS: 342 SQFT (12%)
TOTAL: 2,894 SQFT

A: BRICK
MANF: TAYLOR (OR EQUAL)
COLOR: BLACK ONYX (ON ALL ELEVATIONS)
SIZE: THIN
TEXTURE: WIRECUT



B: BRICK
MANF: PALMETTO (OR EQUAL)
COLOR: .75 GREYSTONE (ONLY FRONT)
SIZE: THIN OR STANDARD
TEXTURE: WIRECUT



C: SMOOTH STUCCO
COLOR: COBBLE STONE

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CONSULTING ENGINEERS:

GODDARD SCHOOL LIBERTY

LIBERTY PARK
VESTAVIA HILLS, AL
LOT #3B OF Bray Town Center Phase II

Seal:

No.	Issue Notes	Date
1	ARC CHANGE OF MATERIAL	01.08.26
2	IFC	03.26.25
3	ARC LIBERTY COMMENTS	04.22.26

Design Firm
297 PRINCE AVE. SUITE 28B
ATHENS, GEORGIA
O: 706.850.1330

Drawing Title
EXTERIOR ELEVATIONS

Date: 03.26.26 | Project Number: 2024-43

Drawing Number
A-2.1



1 FRONT 3D RENDERING



2 SIDE 3D RENDERING

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CONSULTING ENGINEERS:

GODDARD SCHOOL LIBERTY

LIBERTY PARK
VESTAVIA HILLS, AL
LOT #3B OF Bray Town Center Phase II

Seal:

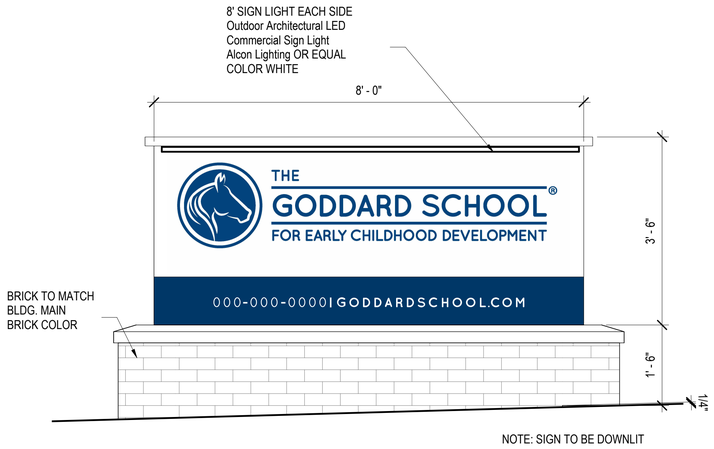
No.	Issue Notes	Date
2	IFC	03.26.25

Design Firm
E+E ARCHITECTURE
297 PRINCE AVE. SUITE 28B
ATHENS, GEORGIA
O: 706.850.1330

Drawing Title
EXTERIOR RENDERINGS

Date: 03.26.26 | Project Number: 2024-43

Drawing Number
A-2.2



NOTE: SIGN TO BE DOWNLIT

1 MONUMENTAL SIGN
3/4" = 1'-0"



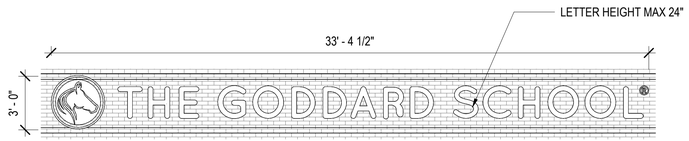
EXAMPLE OF MONUMENTAL SIGN FROM A PREVIOUS PROJECT



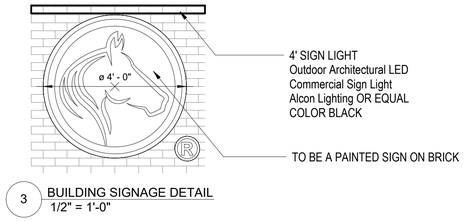
EXTERIOR LIGHT FOR PAINTED AND MONUMENTAL SIGN



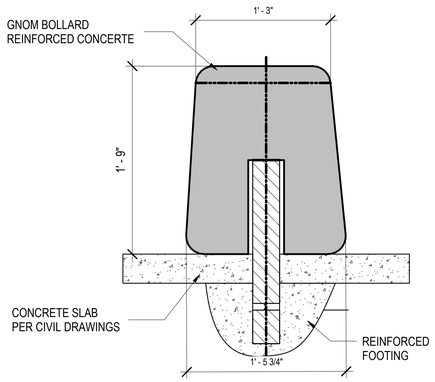
GODDARD STANDARD COLORS



2 BUILDING SIGNAGE DETAIL
1/4" = 1'-0"



3 BUILDING SIGNAGE DETAIL
1/2" = 1'-0"



INSTALLATION DESCRIPTION
- **HEAD OFFICE**: NOLA INDUSTRIER AB, REPSLAGARGATAN 15B, BOX 17701, S-118 93 STOCKHOLM. CONTACT: +46(0)8 702 19 60, FAX: +46(0)8 702 19 62, EMAIL: HEADOFFICE@NOLA.SE **(OR EQUAL)**
- **SALES/SHOWROOM**: SKEPPSBRON 3, S-211 20 MALMö. CONTACT: +46(0)40 17 11 90, ORDER FAX: +46(0)40 12 75 45, WEBSITE: WWW.NOLA.SE

MAINTENANCE AND CARE
- **GENERAL MAINTENANCE**: NORMALLY, NO MAINTENANCE IS REQUIRED. CLEAN WITH A MILD SOAP SOLUTION IF NECESSARY.

INSTALLATION
- **EMBEDDED THREADED SLEEVES**: 4" I.D SLEEVE WITH 3" DIA SCD 40 STEEL PIPE. *DISTANCE OF PIPE BELOW AND ABOVE GRADE IS TO BE DETERMINED BY STRUCTURAL ENGINEER(**TO BE RATED FOR DOT WITHSTANDING A 5000 LB. VEHICLE TRAVELING AT 10 MPH)**

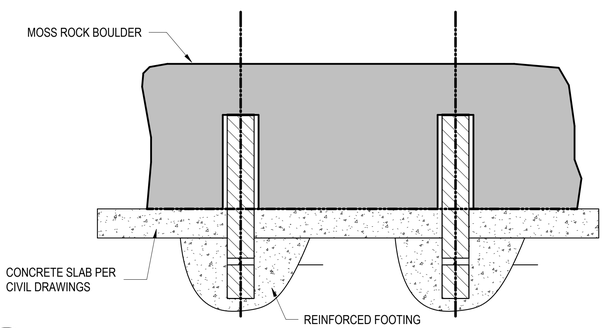
ASSEMBLY
- **DELIVERY**: GNOM IS DELIVERED ASSEMBLED. IT IS FREE-STANDING BUT CAN BE PERMANENTLY FIXED.
- **GROUND-FIXED INSTALLATION**: REQUIRES HEAVY LIFTING. ENSURE ENOUGH PEOPLE ARE PRESENT TO HANDLE THE BOLLARD SAFELY.
- DIG A HOLE : PER STRUCTURAL ENGINEER
- ENSURE THE SURFACE WHERE THE BOLLARD WILL STAND IS LEVEL.
- POUR CONCRETE INTO THE HOLE.
- PLACE THE BOLLARD AND CHECK AGAIN THAT IT STANDS LEVEL.

SPECIFICATIONS
- **PRODUCT**: GNOM BOLLARD, U16-82.

THIS IS BOLLARD WE ARE LOOKING FOR PLEASE PROVIDE AN ALTERNATE PRICE USING GODDARD STANDARD BOLLARD SEE DRAWINGS WITHIN THIS SET



4 GNOM BOLLARD DETAIL
1 1/2" = 1'-0"



5 MOSS BOLLARD DETAIL
1 1/2" = 1'-0"

INSTALLATION DESCRIPTION
- REFER TO LANDSCAPE DRAWINGS FOR QUANTITY AND LOCATIONS

MAINTENANCE AND CARE
- **GENERAL MAINTENANCE**: NO MAINTENANCE IS REQUIRED.

INSTALLATION
- **EMBEDDED THREADED SLEEVES**: 4" I.D SLEEVE WITH 3" DIA SCD 40 STEEL PIPE. *DISTANCE OF PIPE BELOW AND ABOVE GRADE IS TO BE DETERMINED BY STRUCTURAL ENGINEER(**TO BE RATED FOR DOT WITHSTANDING A 5000 LB. VEHICLE TRAVELING AT 10 MPH)**

ASSEMBLY
- **DELIVERY**: DELIVERED ASSEMBLED. IT IS FREE-STANDING BUT CAN BE PERMANENTLY FIXED.
- **GROUND-FIXED INSTALLATION**: REQUIRES HEAVY LIFTING. ENSURE ENOUGH PEOPLE ARE PRESENT TO HANDLE THE BOLLARD SAFELY.
- DIG A HOLE PER STRUCTURAL ENGINEER.
- ENSURE THE SURFACE WHERE THE BOLLARD WILL STAND IS LEVEL.
- POUR CONCRETE INTO THE HOLE.
- PLACE THE BOULDER AND CHECK AGAIN THAT IT STANDS LEVEL.

SPECIFICATIONS
- **PRODUCT**: MOSS ROCK BOULDER 4'X2'X16" **(OR EQUAL)**



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CONSULTING ENGINEERS:

GODDARD SCHOOL LIBERTY

LIBERTY PARK
VESTAVIA HILLS, AL
LOT #3B OF Bray Town Center Phase II

Seal:

No.	Issue Notes	Date
	ADDENDUM 2	7.23.25

Design Firm
ARCHITECTURE
297 PRINCE AVE. SUITE 28B
ATHENS, GEORGIA
O: 706.850.1330

Drawing Title
ARCHITECTURAL SITE DETAILS

Date: 03.26.26 Project Number: 2024-43

Drawing Number
A-6.3

WEST ALABAMA BANK

3128 SUNVIEW DRIVE

VESTAVIA HILLS, ALABAMA

SITE DATA TABLE

PROPERTY AREA= 1.10 AC.

ZONING:
B1.2

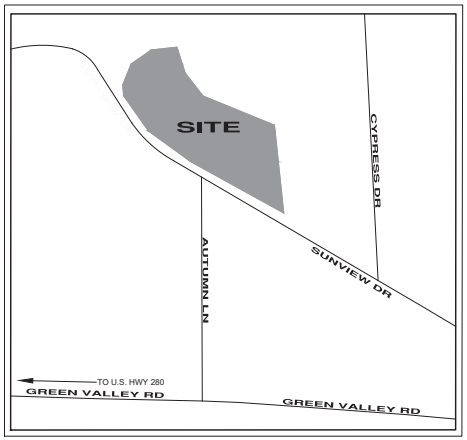
LAND USE
CURRENT: VACANT
PROPOSED: BANK - FINANCIAL INSTITUTION

BUILDING SETBACKS:
FRONT = SEE 6.3.2.1 - NONE, MIN 20''
REAR = 30'
SIDE = SEE 6.3.2.2 - NONE
MAX BUILDING HEIGHT: 35 FT OR 3 STORIES WHICHEVER IS LESS

SITE PARKING DATA

PARKING REQUIRED: BANK WITH DRIVE THRU, 1 SPACE PER 400 SF GFA PLUS 3 STACKING SPACES PER DRIVE THRU LANE. 5,243SF / 400 = 13.1 + 6 = 20

TOTAL PARKING SPACES PROVIDED: 20 SPACES



VICINITY MAP
N.T.S.

SHEET INDEX

C0	COVER SHEET
C1	EXISTING CONDITIONS
C2	DEMOLITION PLAN
C3	SITE LAYOUT PLAN
C4	GRADING AND DRAINAGE PLAN
C5	EROSION CONTROL COVER SHEET
C5A	BMP PLAN
C5B	BMP DETAILS
C6	UTILITY PLAN
C7	SECTIONS AND DETAILS
C8	SECTIONS AND DETAILS

811 Know what's below Call before you dig. Dial 811 Or Call 800-282-7411

MTTR
ENGINEERS, INC.
CONSULTING ENGINEERS-LAND SURVEYORS
3 RIVERCHASE RIDGE, HOOVER, AL 35244
TELEPHONE (205) 320-0114

MTR

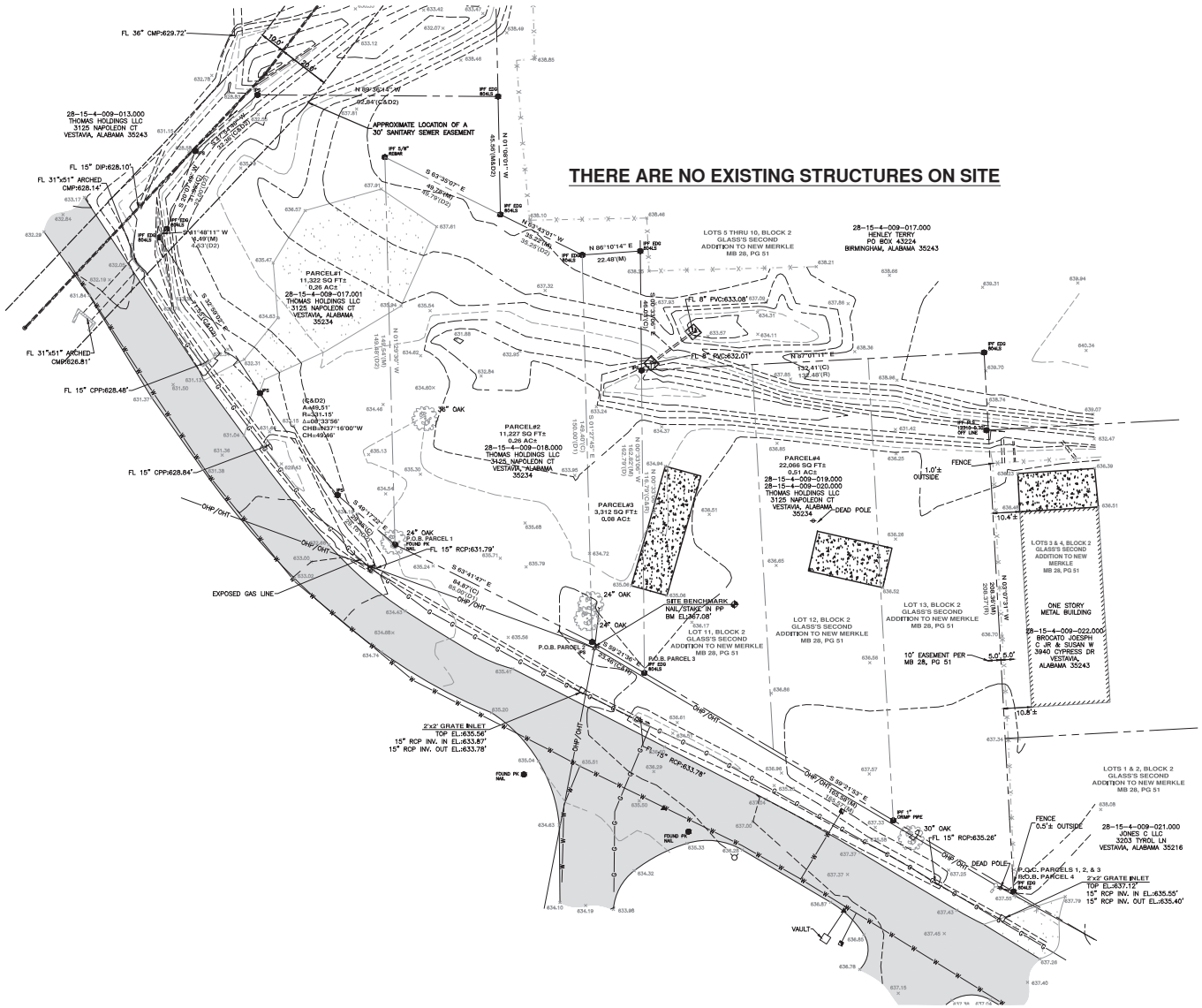
PROJECT
COVER SHEET
WEST ALABAMA BANK
SUNVIEW DRIVE
VESTAVIA HILLS, ALABAMA
FLORIDA CONCEPTS
TAMPA, FLORIDA

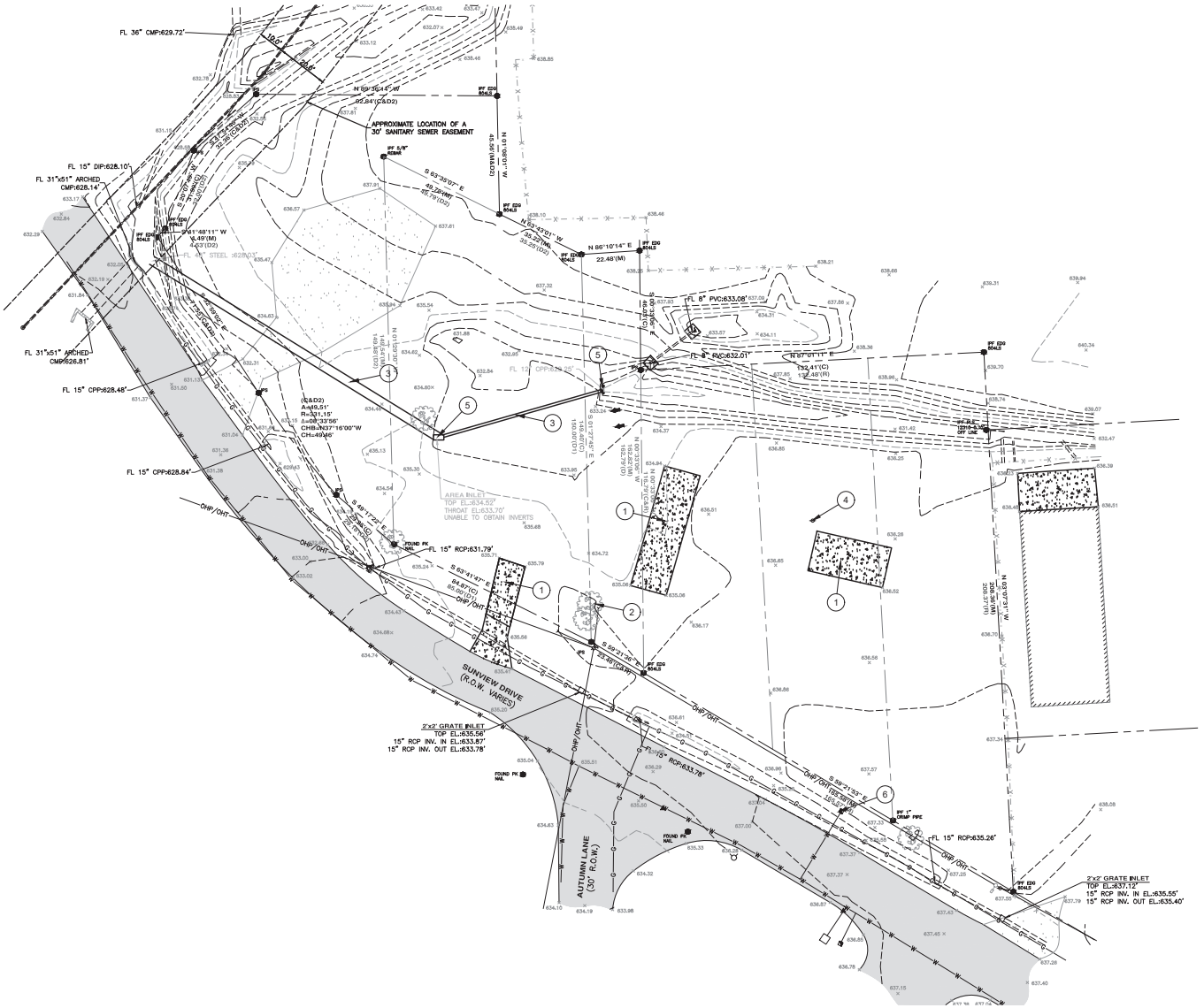
ENGINEER
ALABAMA
No. 30894
JEREMY L. TAYLOR
9/26/25

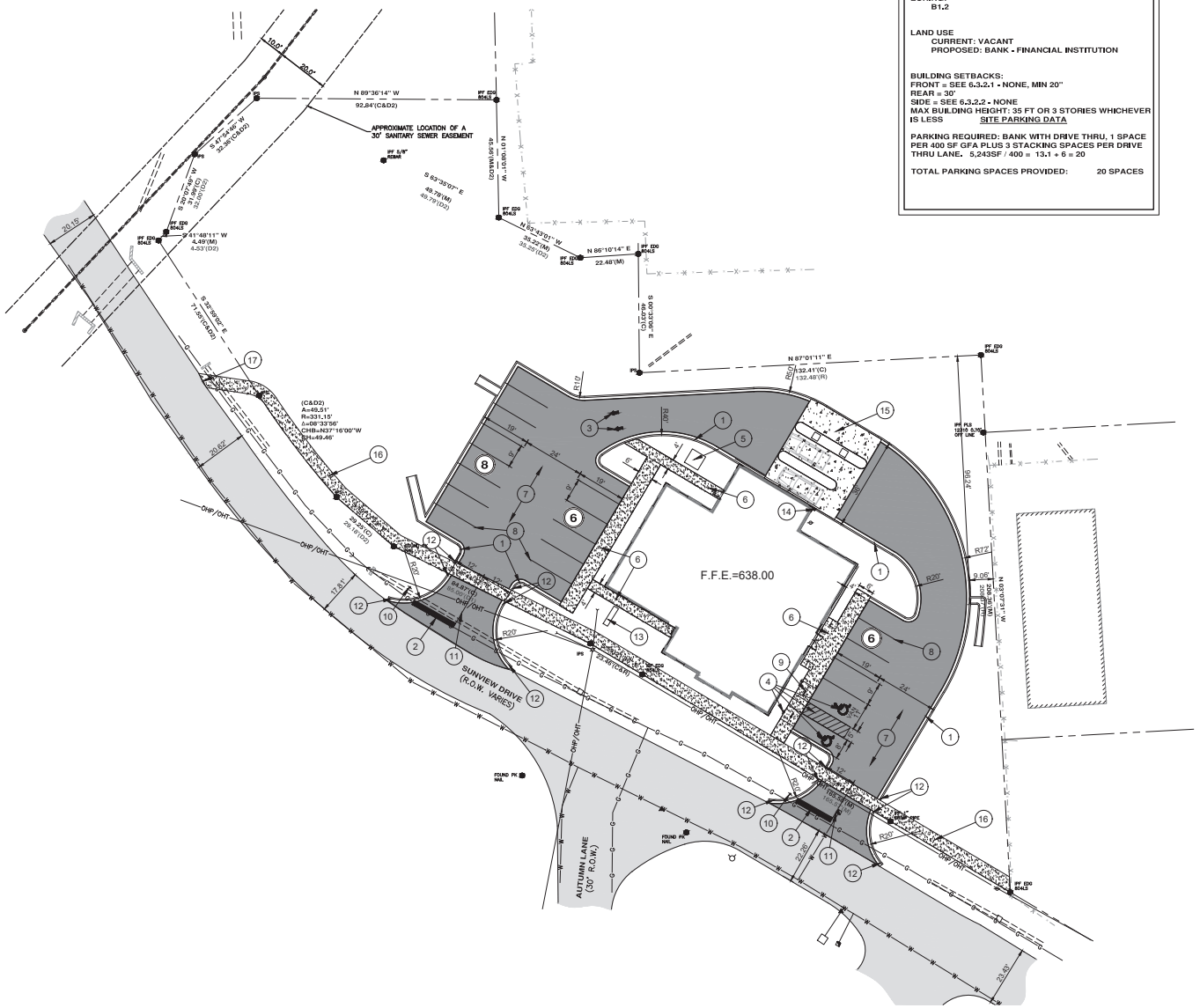
DATE
REVISIONS

JOB NO: 25FCI01
FILE NAME: 25FCI04-R2 9.26.25.DWG
DATE: 9.26.25
DRAWN: T.T.
CHECKED: J.T.
SCALE: SEE PLAN
SHEET C0

J:\2025 Projects\25FCI - Florida Concepts\25FCI04 - Cahaba Heights - Bank\Engineering\Construction Docs\25FCI04-R2 9.26.25.dwg Sep 26,2025 - 10:48 am


THERE ARE NO EXISTING STRUCTURES ON SITE
APPROXIMATE LOCATION OF A 30' SANITARY SEWER EASEMENT
28-15-4-009-013.000
THOMAS HOLDINGS LLC
3125 NAPOLEON CT
VESTAVIA, ALABAMA 35243
28-15-4-009-017.000
HENLEY TERRY
PO BOX 43224
BIRMINGHAM, ALABAMA 35243
PARCEL#1
11,322 SQ FT±
0.26 AC±
28-15-4-009-017.001
THOMAS HOLDINGS LLC
3125 NAPOLEON CT
VESTAVIA, ALABAMA
35234
PARCEL#2
11,227 SQ FT±
0.26 AC±
28-15-4-009-018.000
THOMAS HOLDINGS LLC
3125 NAPOLEON CT
VESTAVIA, ALABAMA
35234
PARCEL#3
3,312 SQ FT±
0.08 AC±
PARCEL#4
22,066 SQ FT±
0.51 AC±
28-15-4-009-019.000
28-15-4-009-020.000
THOMAS HOLDINGS LLC
3125 NAPOLEON CT
VESTAVIA, ALABAMA
35234
LOTS 5 THRU 10, BLOCK 2
GLASS'S SECOND
ADDITION TO NEW MERKLE
MB 28, PG 51
LOT 11, BLOCK 2
GLASS'S SECOND
ADDITION TO NEW MERKLE
MB 28, PG 51
LOT 12, BLOCK 2
GLASS'S SECOND
ADDITION TO NEW MERKLE
MB 28, PG 51
LOT 13, BLOCK 2
GLASS'S SECOND
ADDITION TO NEW MERKLE
MB 28, PG 51
LOTS 3 & 4, BLOCK 2
GLASS'S SECOND
ADDITION TO NEW
MERKLE
MB 28, PG 51
LOTS 1 & 2, BLOCK 2
GLASS'S SECOND
ADDITION TO NEW MERKLE
MB 28, PG 51
ONE STORY
METAL BUILDING
28-15-4-009-022.000
BROCATO JOESPH
C JR & SUSAN W
3940 CYPRESS DR
VESTAVIA,
ALABAMA 35243
28-15-4-009-021.000
JONES C LLC
3203 TYROL LN
VESTAVIA, ALABAMA 35216
SITE BENCHMARK
NAIL/STAKE IN PP
BM EL:647.08'
FL 36" CMP:629.72'
FL 15" DIP:628.10'
FL 31"x51" ARCHED CMP:628.14'
FL 31"x51" ARCHED CMP:626.81'
FL 15" CPP:628.48'
FL 15" CPP:628.84'
FL 8" PVC:633.08'
FL 8" PVC:632.01'
FL 15" RCP:631.79'
FL 15" RCP:633.78'
FL 15" RCP:635.26'
2'x2' GRATE INLET
TOP EL.:635.56'
15" RCP INV. IN EL.:633.87'
15" RCP INV. OUT EL.:633.78'
2'x2' GRATE INLET
TOP EL.:637.12'
15" RCP INV. IN EL.:635.55'
15" RCP INV. OUT EL.:635.40'
P.O.B. PARCEL 1
P.O.B. PARCEL 2
P.O.B. PARCEL 3
P.O.C. PARCELS 1, 2, & 3
P.O.B. PARCEL 4
24" OAK
30" OAK
36" OAK
DEAD POLE
VAULT
EXPOSED GAS LINE
OHP/OHT
FENCE
1.0'± OUTSIDE
0.5'± OUTSIDE
10' EASEMENT PER MB 28, PG 51
5.0'
6.0'
10.4'±
10.8'±
N 89°35'46" W
95.84'(C&D2)
N 01°08'01" W
45.56'(M&D2)
S 62°35'07" E
45.72'(M)
Ac=22.82'(D2)
N 86°10'14" E
22.48'(M)
N 87°01'11" E
132.41'(C)
132.48'(R)
S 89°21'36" W
S 89°21'36" E
S 63°41'47" E
84.87'(C)
85.00'(M&D)
S 89°17'22" E
S 89°21'33" E
Ac=11.65'
Ch=S 89°21'33" E
Ch=11.65'
Ch=N37°16'00"W
CH=49.46'
R=331.15'
Ac=9.51'
Ch=S 89°21'33" E
Ch=11.65'
Ac=11.65'
R=331.15'
Ch=N37°16'00"W
CH=49.46'
Ac=9.51'
R=331.15


FL 36" CMP:629.72'
APPROXIMATE LOCATION OF A 30' SANITARY SEWER EASEMENT
FL 15" DIP:628.10'
FL 31"x51" ARCHED CMP:628.14'
FL 31"x51" ARCHED CMP:626.81'
FL 15" CPP:628.48'
FL 15" CPP:628.84'
FL 8" PVC:633.08'
FL 8" PVC:632.01'
FL 15" RCP:631.79'
FL 15" RCP:633.78'
FL 15" RCP:635.26'
2'x2' GRATE INLET
TOP EL:635.56'
15" RCP INV. IN EL:633.87'
15" RCP INV. OUT EL:633.78'
2'x2' GRATE INLET
TOP EL:637.12'
15" RCP INV. IN EL:635.55'
15" RCP INV. OUT EL:635.40'
AREA INLET
TOP EL:634.52'
THROAT EL:633.70'
UNABLE TO OBTAIN INVERTS
SUNVIEW DRIVE
(R.O.W. VARIES)
AUTUMN LANE
(30' R.O.W.)
OHP/OHT
FOUND PK NAIL
FOUND PK NAIL
FOUND PK NAIL
FF EDG 634.3
FF EDG 634.5
FF EDG 634.6
FF EDG 634.7
FF EDG 634.8
FF EDG 634.9
FF EDG 635.0
FF EDG 635.1
FF EDG 635.2
FF EDG 635.3
FF EDG 635.4
FF EDG 635.5
FF EDG 635.6
FF EDG 635.7
FF EDG



SITE DATA TABLE

PROPERTY AREA= 1.10 AC.

ZONING:
B1.2

LAND USE
CURRENT: VACANT
PROPOSED: BANK - FINANCIAL INSTITUTION

BUILDING SETBACKS:
FRONT = SEE 6.3.2.1 - NONE, MIN 20'
REAR = 30'
SIDE = SEE 6.3.2.2 - NONE
MAX BUILDING HEIGHT: 35 FT OR 3 STORIES WHICHEVER IS LESS

SITE PARKING DATA

PARKING REQUIRED: BANK WITH DRIVE THRU, 1 SPACE PER 400 SF GFA PLUS 3 STACKING SPACES PER DRIVE THRU LANE. 5,243SF / 400 = 13.1 + 6 = 20

TOTAL PARKING SPACES PROVIDED: 20 SPACES

1"=20'
0 10' 20' 40' 60'
GRAPHIC SCALE

KEY NOTE LEGEND

1. 18" CONCRETE CURB AND GUTTER REQUIRED TYPICAL. SEE DETAIL
2. 24" SOLID WHITE STOP BAR REQ'D., TYPICAL. SEE DETAIL.
3. DIRECTIONAL TRAFFIC ARROW REQ'D., TYPICAL.
4. ADA PARKING SPACE REQ'D., TYPICAL. SEE DETAIL FOR ADA SIGN, AISLE, AND SYMBOL. "V" INDICATES VAN-ACCESSIBLE SPACE.
5. TRANSFORMER PAD REQ'D. CONTRACTOR SHALL COORDINATE WITH POWER COMPANY FOR EXACT LOCATION, TYPE, AND SIZE.
6. CONCRETE SIDEWALK REQ'D. SEE DETAIL.
7. STANDARD DUTY ASPHALT PAVEMENT REQ'D. SEE DETAIL.
8. 4" WIDE SOLID WHITE PAINT STRIPING REQ'D.
9. ADA RAMP REQ'D. SEE DETAIL.
10. R1-1 STOP SIGN REQ'D., TYPICAL. SEE DETAIL.
11. 4" WIDE DOUBLE YELLOW PAINT STRIPING REQ'D.
12. TRANSITION BACK OF CURB FROM 6 TO 0" IN 6 FEET. TYPICAL AT EACH SIDE OF ENTRANCE DRIVE
13. PRIMARY IDENTIFICATION SIGN.
14. PIPE BOLLARD REQUIRED. SEE DETAIL
15. CONCRETE PAVING RQUIRED. SEE DETAIL
16. 5' WIDE CONCRETE SIDEWALK REQUIRED. SEE DETAIL. CONCRETE COLOR TO BE "OCHRE"
17. TIE SIDEWALK TO EXISTING EDGE OF PAVEMENT, ASSURE SMOOTH / FLUSH TRANSITION WITH NO PONDING OF WATER

GENERAL NOTES:

1. THE EXISTING CONDITIONS, BOUNDARY, AND TOPOGRAPHICAL INFORMATION SHOWN ON THIS PLANS ARE PER A SURVEY COMPLETE AND PROVIDED BY GSA.
2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL DEVICES TO CONTROL THE MOVEMENT OF TRAFFIC AS REQUIRED BY THE LATEST EDITION OF THE MUTCD.
3. IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
4. THE CONTRACTOR IS SOLELY AND COMPLETELY RESPONSIBLE FOR THE METHODS AND/OR OR PROCEDURES OF CONSTRUCTION PREFORMED.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
6. ALL PROPERTY CORNERS AND BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTOR DURING CONSTRUCTION. IF DESTROYED THE CONTRACTOR SHALL REPLACE AT THEIR EXPENSE.
7. CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED WITHIN THE WORK AREA. THE AREA IMMEDIATELY ADJACENT TO THE WORK AREA, AND THE ADJOINING RIGHT-OF-WAY PRIOR TO STARTING CONSTRUCTION. ANY CONFLICTS OBSERVED SHALL BE REPORTED TO THE ENGINEER PRIOR TO STARTING CONSTRUCTION.
8. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
9. ADA SYMBOLS, SIGNS, AND RAMPS SHALL BE INSTALLED PER ADA, LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE MAXIMUM SLOPE IN ADA AREAS SHALL NOT EXCEED 2.0% IN ANY DIRECTION.
10. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL PERMITS AND APPROVALS FROM AUTHORITIES AND REGULATORY AGENCIES HAVING JURISDICTION OVER THE SITE AND THE ADJACENT RIGHT-OF-WAYS, AS REQUIRED, PRIOR TO BEGINNING WORK.
11. THE CONTRACTOR IS SOLELY AND COMPLETELY RESPONSIBLE FOR OBSERVING AND COMPLYING WITH ALL LAWS, REGULATIONS, ORDINANCES, COVENANTS, AND/OR CODES THAT IS APPLICABLE FOR THE CONTRACTOR TO PERFORM AND FINISH THEIR WORK.

SITE LAYOUT NOTES:

1. ALL RADII SHALL BE 3' O/A UNLESS NOTED ON PLAN.
2. TIE PROPOSED CURB, SIDEWALK, AND PAVEMENT TO EXISTING. MATCH GRADE AND ASSURE A SMOOTH TRANSITION WITH NO PONDING OF STORMWATER RUNOFF.
3. ALL DIMENSIONS ARE TO FACE OF BUILDING, EDGE OF SURFACING, OR FACE OF CURB.
4. PARKING STRIPING, PAVEMENT MARKINGS, AND DIRECTIONAL ARROWS SHALL BE WHITE. ADA STRIPING AND SYMBOL SHALL BE BLUE UNLESS LOCAL CODES REQUIRE OTHERWISE.
5. FOR EXACT LOCATION OF UTILITY CONNECTIONS, BOLLARD LOCATION, AND OTHER BUILDING RELATED ITEMS AND INFORMATION REFER TO ARCHITECTURAL PLANS.
6. ALL CONCRETE SIDEWALKS AND CURB & GUTTER SHALL BE 3,500 PSI UNLESS NOTED OTHERWISE.

1. ALL DITCHES AND SWALES, DETENTION PONDS, AS WELL AS DISTURBED AREAS INSIDE RIGHTS-OF-WAYS AND DRAINAGE EASEMENTS ARE TO BE FULLY SODDED.
2. ALL DISTURBED AREAS SHALL HAVE A FULL STAND OF GRASS PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY
3. AN AS-BUILT OF THE DETENTION POND, DIMENSIONS OF POND OUTLET STRUCTURE, AND POND CERTIFICATION LETTER FROM THE ENGINEER OF RECORD WILL BE REQUIRED PRIOR TO A CERTIFICATE OF OCCUPANCY BEING ISSUED.
4. THE LAND DISTURBANCE FOR THIS DEVELOPMENT IS LESS THAN ONE ACRE. AN ADEM - NPDES PERMIT IS NOT REQUIRED.

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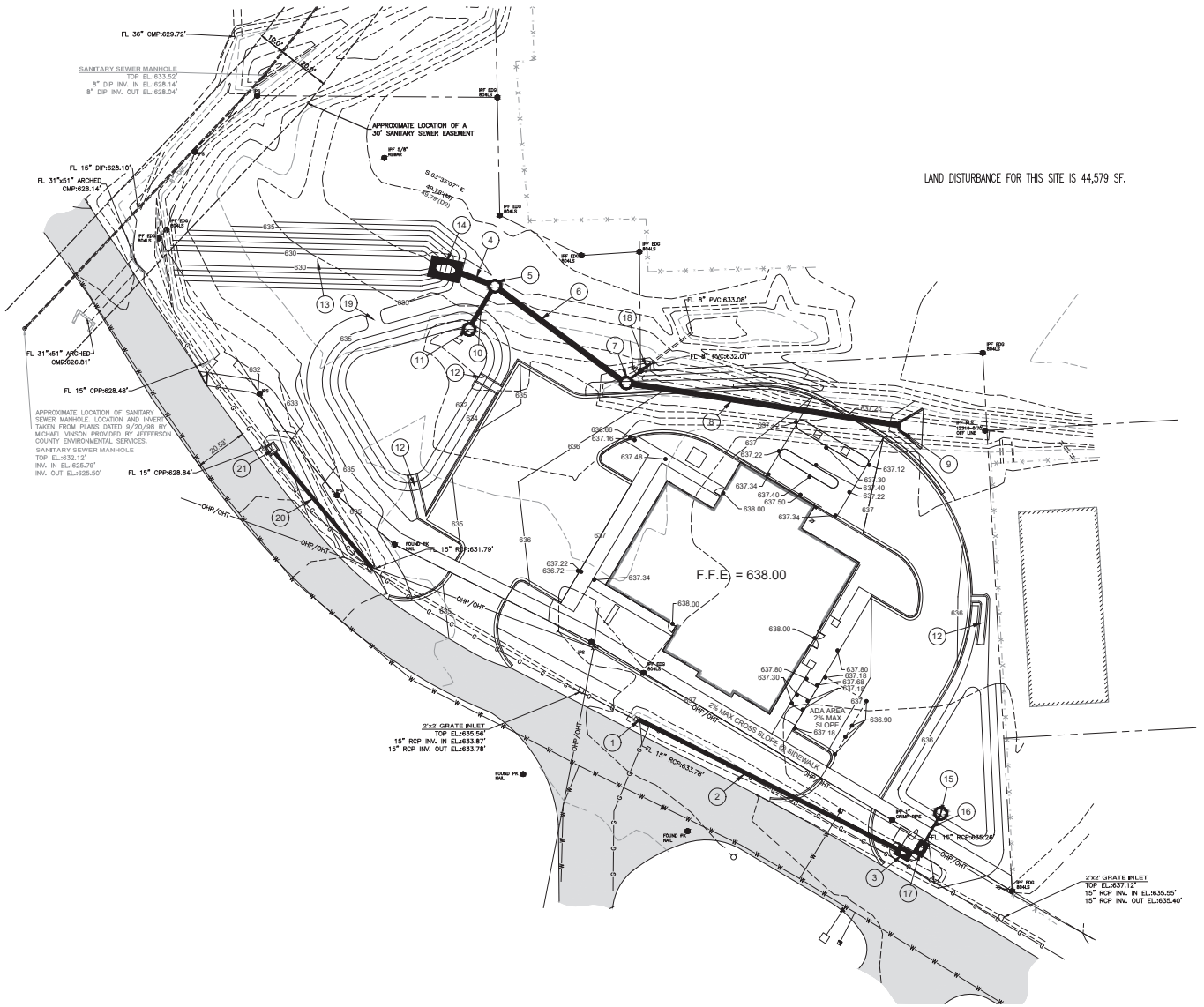
MTTR ENGINEERS, INC.
CONSULTING ENGINEERS-LAND SURVEYORS
3 RIVERCHASE RIDGE, HOOVER, AL 35244
TELEPHONE (205) 320-0114

PROJECT
SITE LAYOUT PLAN
WEST ALABAMA BANK
SUNVIEW DRIVE
VESTAVIA HILLS, ALABAMA
FLORIDA CONCEPTS
TAMPA, FLORIDA

ENGINEER
ALABAMA No. 30894 JEREMY L. TAYLOR
9/26/25

DATE	REVISIONS

JOB NO:	25FCI01
FILE NAME:	25FCI04-R2 9.26.25.DWG
DATE:	9.26.25
DRAWN:	T.T.
CHECKED:	J.T.
SCALE:	SEE PLAN
SHEET	C3



1"=20'
0 10' 20' 40' 60'
GRAPHIC SCALE

KEY NOTE LEGEND

1. CONCRETE COLLAR REQUIRED AT JUNCTION OF EXISTING PIPE AND NEW PIPE
2. 112 LF - 15" RCP PIPE @ 0.50% SLOPE
3. SLOPED PAVED HEADWALL REUQIRED. SEE DETAIL.
   INV EL = 634.34
4. 20 LF - 42" RCP PIPE @ 0.50% SLOPE
5. STORM SEWWER MANHOLE REQUIRED. SEE DETAIL
   TOP EL = 637.00
   INVERT EL (IN) = 630.55
   INVERT EL (IN @ 18") = 631.92
   INVERT EL (OUT) = 630.55
6. 58 LF - 42" RCP PIPE @ 0.50% SLOPE
7. STORM SEWWER MANHOLE REQUIRED. SEE DETAIL
   TOP EL = 636.00
   INVERT EL (IN @ 42") = 630.84
   INVERT EL (IN @ 8") 631.95
   INVERT EL (OUT) = 630.84
8. 104 LF - 42" RCP PIPE @ 0.50% SLOPE
9. VERTICLE HEADWALL REQUIRED. SEE DETAIL.
   INVERT EL = 631.36
10. 16 LF - 18" HDPE PIPE @ 0.50% SLOPE
11. OUTLET CONTROL STRUCTURE (WEST POND) REQUIRED. SEE DETAIL
12. CONCRETE FLUME REQUIRED. SEE DETAIL
13. RIP RAP DRAINAGE DITCH REQUIRED @ 0.50% SLOPE. SEE DETAIL
14. SLOPED PAVED HEADWALL REQUIRED. SEE DETAIL
    INVERT EL = 630.45
15. OUTLET CONTROL STRUCTURE (EAST POND) REQUIRED. SEE DETAIL
16. 20 LF - 12" HDPE PIPE @ 2.50% SLOPE
17. SLOPED PAVED HEADWALL REQUIRED. SEE DETAIL
    INVERT EL = 634.50
18. 10 LF - 8" PVC PIPE @ 0.50% SLOPE
19. SOLID SOD OVERFLOW SPILLWAY REQUIRED. SEE DETAIL
20. 58 LF - 15" HDPE PIPE @ 0.50% SLOPE
21. GRATE INLET REQUIRED. SEE DETAIL
    TOP EL = 631.50
    INVERT EL = 628.84

GRADING NOTES

1. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM THE CITY PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
2. ALL FILL SHALL BE COMPACTED TO 98% STANDARD PROCTOR WITH A MOISTURE CONTENT WITHIN 2% ABOVE OR BELOW OPTIMUM MOISTURE CONTENT. THESE AREAS SHALL BE PROOF-ROLLED PRIOR TO ACCEPTANCE.
3. PRIOR TO PLACING FILL ALL SUBGRADE WITHIN THE PAVEMENT AND BUILDING AREAS SHALL BE PROOF-ROLLED WITH A HEAVY LOADED DUMP TRUCK. ANY AREAS SHOWING RUTTING, PUMPING, OR DELETERIOUS MATERIALS FOUND SHALL BE UNDERCUT AND REPLACED.
4. DURING RAINY PERIODS OF CONSTRUCTION, ADDITIONAL EFFORT WILL BE REQUIRED TO PROPERLY PREPARE THE SITE AND ESTABLISH AND/OR MAINTAIN AN ACCEPTABLE SUB-GRADE. THE DIFFICULTY WILL INCREASE IN AREAS WHERE CLAY SOILS ARE EXPOSED.
5. PRIOR TO PLACING FILL AND IN CUT AREAS EXPOSED AT SUBGRADE, CONTRACTOR SHALL SCARIFY EXISTING SOILS TO A DEPTH OF 8" AND RECOMPACT TO THE SPECIFIED DENSITY AND MOISTURE CONTENT.
6. SITE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION 4.0 TO 4.9 OF THE GEOTECHNICAL REPORT.
7. IF NEW FOOTING EXCAVATION ENCOUNTERS AREAS OF SOFT SOILS THESE AREAS SHALL BE UNDERCUT REPLACED WITH SHALL BE BACKFILLED WITH #57 STONE, OR LEAN CONCRETE.
8. CONTRACTOR MAY USE EXISTING MATERIAL FROM ON-SITE AS FILL PROVIDED IT MEETS THESE SPECIFICATIONS AND SHALL ENSURE THAT IT IS PROPERLY MOISTURE CONDITIONED AND DOES NOT CONTAIN ORGANICS OR DEBRIS OF ANY KIND.
9. THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL THAT IS REMOVED DURING EXCAVATION TO OFF-SITE AREAS. THAT AREA SHALL BE APPROVED FOR DISPOSAL BY GOVERNING AUTHORITIES AND APPROPRIATE PROPERTY OWNERS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEAN-UP AND/OR FINES AS A RESULT OF SEDIMENT-LADEN RUNOFF LEAVING THE CONSTRUCTION LIMITS AT NO ADDITIONAL COST TO THE OWNER.
11. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE WITH NO PONDING OF STORMWATER RUNOFF.
12. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORTS BY BUILDING AND EARTH SCIENCES, INC. , DATED OCTOBER 20, 2017, REPORT #BH170322, FOR SITE GRADING AND FOUNDATION RECOMMENDATIONS.
13. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANIES PRIOR TO CONSTRUCTION ON THE ADJUSTMENT OR RELOCATION OF EXISTING UTILITIES AS DESIGNATED ON PLANS OR THAT CONFLICTS WITH PROPOSED WORK OR GRADING.
14. CONTRACTOR SHALL OBTAIN AN NPDES PERMIT AND ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL NPDES PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY. CONTRACTOR SHALL MAINTAIN ON-SITE AND ACCESSIBLE TO ADEM INSPECTORS A COPY OF THE PERMIT, A COPY OF THE CSMPP PLAN AND REQUIRED INSPECTION REPORTS. CONTRACTOR SHALL ALSO MOUNT ON-SITE A WORKING RAIN GAUGE AND MAINTAIN CURRENT RECORDS OF RAINFALL IN ACCORDANCE TO THE NPDES PERMIT.
15. ALL ON-SITE AND OFF-SITE SITE WORK SHALL BE PERFORMED AS UNCLASSIFIED EXCAVATION REGARDLESS OF DEPTH, TYPE, QUANTITY, QUALITY, CHARACTER, COLOR, HARD OR SOFT, AND WET OR DRY.
16. CONTRACTOR SHALL REMOVE OR RELOCATE WHEN APPLICABLE, AND CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPE, POWER POLES AND GUY WIRES, WATER METERS, WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, AND ASPHALT, SHOWN OR NOT SHOWN, WITHIN CONSTRUCTION LIMITS AND WHERE NEEDED, TO ALLOW FOR FILL MATERIAL, UNLESS OTHERWISE DENOTED TO BE REMOVED AS UNCLASSIFIED EXCAVATION.
17. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED, FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
18. PROPOSED GRADES INDICATED ON THIS PLAN ARE FINISH GRADES - CONTRACTOR SHALL REFER TO PAVING SECTION DETAILS AND BUILDING PLANS IN ORDER TO DETERMINE APPROPRIATE SUB-GRADE ELEVATIONS.
19. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
20. DURING CONSTRUCTION OF FILL SLOPES, CONTRACTOR SHALL OVERFILL THE SLOPES AND THEN CUT BACK THE COMPACTED SOILS TO THE REQUIRED GRADES ONE INCH ABOVE CURB.
21. CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL ALABAMA ONE CALL 1-800-292-8525 AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
22. ALL SEEDED SLOPES ARE TO RECEIVE SINGLE NET STRAW BLANKET NORTH AMERICAN GREEN S75 OR APPROVED.
23. ALL NEWLY CONSTRUCTED SLOPES AND SURFACES SHALL RECEIVE A MINIMUM 4" TOPSOIL PRIOR TO PLACEMENT OF SOD.
24. CONTRACTOR SHALL PROTECT & MAINTAIN SLOPES DURING CONSTRUCTION. PLACE SOD & IRRIGATION AS DIRECTED BY THE LANDSCAPE PLANS AS SOON AS POSSIBLE.
25. CONTRACTOR SHALL TAKE EFFECTIVE MEASURES TO PROTECT SLOPES. DO NOT ALLOW STORMWATER TO OVERTOP THE SLOPES.
26. SEE ARCHITECT PLANS TO VERIFY & COORDINATE DOWNSPOUT AND UTILITY EXIT LOCATIONS AND INVERT ELEVATIONS.
27. SEE COMPREHENSIVE BEST MANAGEMENT PRACTICES PLANS FOR EROSION CONTROL NOTES AND DETAILS.

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3 RIVERCHASE RIDGE, HOOVER, AL 35244
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PROJECT
GRADING AND DRAINAGE PLAN
WEST ALABAMA BANK
SUNVIEW DRIVE
VESTAVIA HILLS, ALABAMA
FLORIDA CONCEPTS
TAMPA, FLORIDA

ENGINEER
ALABAMA No. 30887 JEREMY L. TAYLOR
9/26/25

REVISIONS	DATE

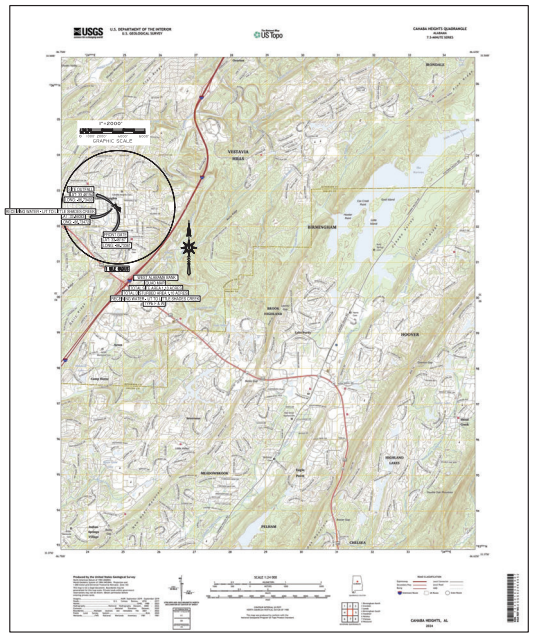
JOB NO: 25FCI01
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SHEET C4

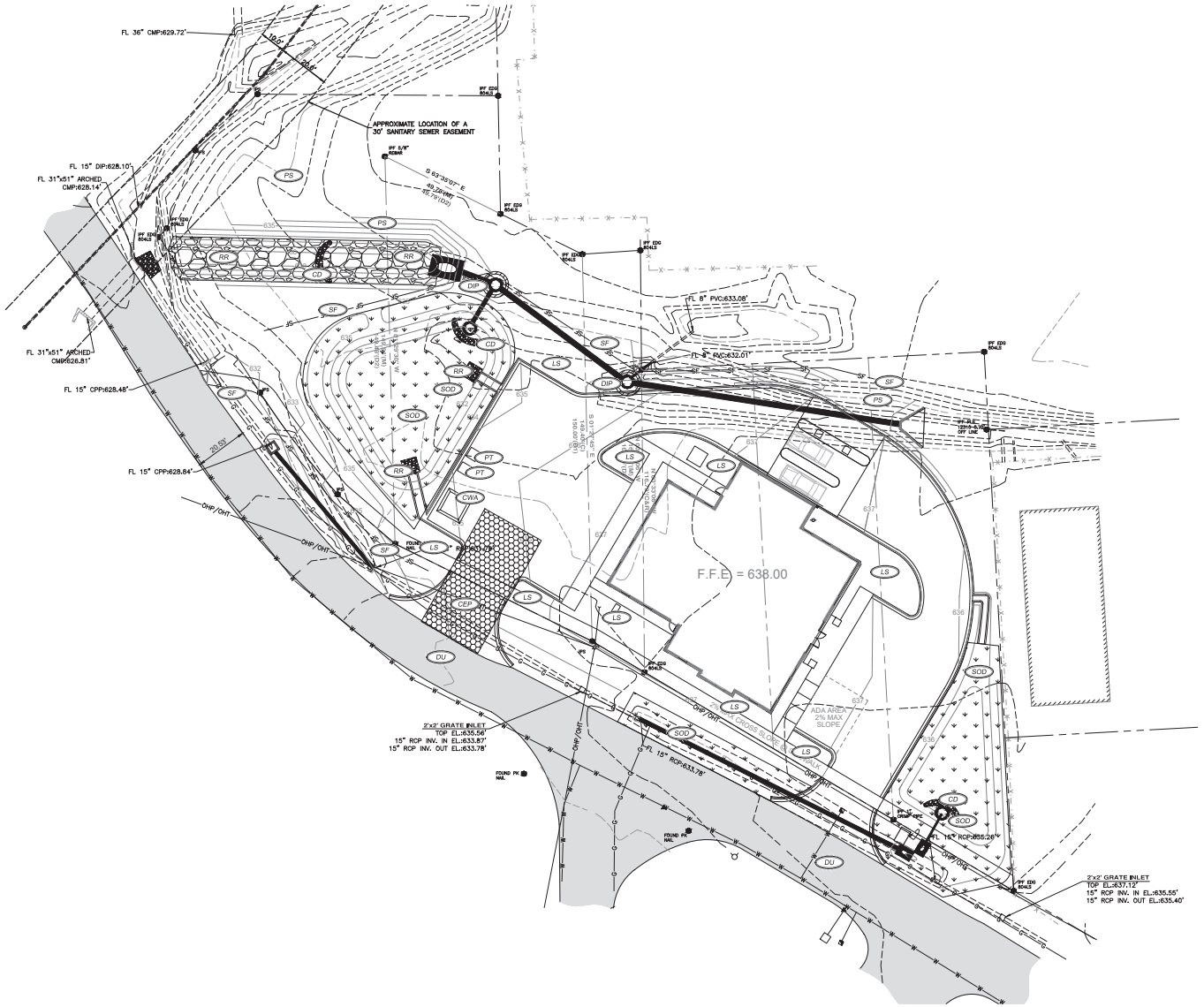
CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN

FOR

WEST ALABAMA BANK

SUNVIEW DRIVE, VESTAVIA HILLS, ALABAMA


USGS
US topo
VESTAVIA HILLS
CAHABA HEIGHTS QUADRANGLE
7.5-MINUTE SERIES
GRAPHIC SCALE
1" = 2000'
SUNVIEW DRIVE
1.02 ACRES
1.1 ACRES
1.1 ACRES
1.1



1"=20'

0 10' 20' 40' 60'

GRAPHIC SCALE

VEGETATIVE MEASURES	
CODE	PRACTICE
ECB	EROSION CONTROL BLANKET
PS	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
SOD	DISTURBED AREA STABILIZATION (SODDING)
DU	DUST CONTROL ON DISTURBED AREAS
LS	PERMANENT LANDSCAPING

STRUCTURAL PRACTICES	
CODE	PRACTICE
SF	SILT FENCE
CEP	CONSTRUCTION EXIT
DIP	DOMED INLET PROTECTION
PT	PORTABLE TOILET
RR	RIP RAP CLASS II
CWA	CONCRETE WASH OUT
CD	ROCK CHECK DAM

LAND DISTURBANCE FOR THIS SITE IS 44,579 SF.

INSPECTIONS AND SYSTEM MAINTENANCE

- DAILY OBSERVATIONS: EACH DAY THERE IS ACTIVITY ON THE SITE, THE PERMITTEE OR HIS DESIGNATED SITE PERSONNEL SHALL VISUALLY OBSERVE THAT PORTION OF THE CONSTRUCTION PROJECT WHERE DISTURBANCE, WORK OR CONSTRUCTION OCCURRED TO NOTE ANY RAINFALL MEASUREMENTS SINCE THE PREVIOUS OBSERVATION AND ANY APPARENT BMP DEFICIENCIES IN THE AREA. ALL SUCH DAILY OBSERVATIONS SHALL BE PERFORMED BY THE DESIGNATED SITE PERSONNEL AND SHALL BE MAINTAINED IN A LOG TO REMAIN ON-SITE.
- SITE INSPECTIONS: A SITE INSPECTION SHALL CONSIST OF A COMPLETE AND COMPREHENSIVE OBSERVATION OF THE ENTIRE CONSTRUCTION SITE INCLUDING ALL AREAS OF LAND DISTURBANCE, STAGING AREAS EXPOSED TO STORMWATER, AFFECTED DITCHES AND OTHER STORMWATER CONVEYANCES, AS WELL AS ALL OUTFALLS AND RECEIVING WATERS TO ENSURE THAT: (1) EFFECTIVE EROSION CONTROLS AND SEDIMENT CONTROLS HAVE BEEN FULLY IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH THE PERMIT, THE SITE CBMPP AND THE ALABAMA HANDBOOK, (2) POLLUTANT DISCHARGES HAVE BEEN PREVENTED/MINIMIZED TO THE MAXIMUM EXTENT POSSIBLE, AND (3) DISCHARGES DO NOT RESULT IN A CONTRAVENTION OF APPLICABLE STATE WATER QUALITY STANDARDS FOR THE RECEIVING WATERS.
- SITE INSPECTIONS SHALL BE PERFORMED BY A QCI, QCP OR A QUALIFIED PERSON UNDER THE DIRECT SUPERVISION OF A QCP.
  1. SITE INSPECTIONS SHALL BE PERFORMED ONCE EACH MONTH AND AFTER A QUALIFYING PRECIPITATION EVENT (0.75" OR GREATER IN A 24-HOUR PERIOD), COMMENCING AS PROMPTLY AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER RESUMING OR CONTINUING ACTIVE CONSTRUCTION AND COMPLETED NO LATER THAN 72 HOURS FOLLOWING A QUALIFYING PRECIPITATION EVENT (0.75" OR GREATER IN A 24-HOUR PERIOD).
  2. SITE INSPECTIONS SHALL BE PERFORMED AS OFTEN AS NECESSARY UNTIL ANY POORLY FUNCTIONING EROSION CONTROLS OR SEDIMENT CONTROLS, NON-COMPLIANT DISCHARGES OR ANY OTHER DEFICIENCIES OBSERVED DURING A PRIOR INSPECTION ARE CORRECTED AND DOCUMENTED AS BEING IN COMPLIANCE WITH THE REQUIREMENTS OF THE PERMIT.
  3. SITE INSPECTION FINDINGS SHALL BE RECORDED ON ADEM FORM 23, "ADEM NPDES CONSTRUCTION STORMWATER INSPECTION REPORT AND BMP CERTIFICATION." COPIES OF THE INSPECTION REPORT SHALL BE SENT TO THE SITE SUPERVISOR. THE QCI/QCP SHALL ALSO KEEP COPIES OF THE INSPECTION REPORTS FOR HIS RECORDS TO SUBMIT TO ADEM AT THE NPDES PERMIT REQUIRED INTERVALS SEE APPENDIX D FOR SAMPLE OF ADEM FORM 23).
- CBMPP EVALUATIONS: THE QCP SHALL PERFORM AN ON-SITE EVALUATION OF ALL EROSIONS AND SEDIMENT CONTROLS BEING IMPLEMENTED FOR ADEQUACY AND CONSISTENCY WITH SITE CONDITIONS. THE CBMPP EVALUATION SHALL BE PERFORMED AS OFTEN AS NECESSARY UNTIL POORLY FUNCTIONING OR DAMAGED EROSION CONTROLS AND SEDIMENT CONTROLS ARE CORRECTED, AND, AT A MINIMUM, ONCE EVERY THREE MONTHS. IF, BASED ON THE CBMPP EVALUATION, THE QCP IDENTIFIES ANY NEEDED MODIFICATIONS OR ADDITIONS TO EROSION AND SEDIMENT CONTROLS, THE CBMPP SHALL BE UPDATED IN ACCORDANCE WITH PART III.D.4 OF THE PERMIT. THE PERMITTEE SHALL MAINTAIN APPROPRIATE DOCUMENTATION OF THE CBMPP EVALUATION.
- CORRECTIVE ACTION:
  1. ANY POORLY FUNCTIONING EROSION CONTROLS OR SEDIMENT CONTROLS, NON-COMPLIANT DISCHARGES, OR ANY OTHER DEFICIENCIES OBSERVED DURING THE INSPECTIONS REQUIRED BY THE PERMITEE SHALL BE CORRECTED AS SOON AS POSSIBLE, BUT NOT TO EXCEED FIVE (5) DAYS OF THE INSPECTION UNLESS PREVENTED BY UNSAFE WEATHER CONDITIONS.
  2. IN THE EVENT OF A BREACH OF A SEDIMENT BASIN/POND TEMPORARY CONTAINMENT MEASURES SHALL BE TAKEN WITHIN 24 HOURS AFTER THE INSPECTION. PERMANENT CORRECTIVE MEASURES SHALL BE IMPLEMENTED WITHIN FIVE (5) DAYS OF THE INSPECTION; HOWEVER, IF PERMANENT CORRECTIVE MEASURES CAN NOT BE IMPLEMENTED WITHIN THE TIMEFRAMES STATED THEN THE PERMITTEE SHALL CONTACT ADEM.
  3. THE OPERATOR SHALL PROMPTLY TAKE ALL REASONABLE STEPS TO REMOVE, TO THE MAXIMUM EXTENT PRACTICAL, POLLUTANTS DEPOSITED OFF-SITE OR IN ANY WATER BODY OR STORMWATER CONVEYANCE STRUCTURE.
- SUSPENSION OF MONITORING: SUSPENSION OF APPLICABLE MONITORING AND INSPECTION REQUIREMENTS MAY BE GRANTED PROVIDED: (1) ADEM IS NOTIFIED IN WRITING AT LEAST 30 DAYS PRIOR TO THE REQUESTED SUSPENSION, (2) THE PERMITTEE AND THE QCP CERTIFY IN THE REQUEST THAT ALL DISTURBANCE HAS BEEN GRADED, STABILIZED, AND/OR FULLY VEGETATED OR OTHERWISE PERMANENTLY COVERED AND THAT THE APPROPRIATE AND EFFECTIVE STEPS HAVE BEEN AND WILL BE TAKEN BY THE PERMITTEE TO ENSURE COMPLIANCE WITH THE REQUIREMENTS OF THE PERMIT AND COMMIT THAT THESE MEASURES WILL REMAIN CONTINUALLY EFFECTIVE UNTIL THE PERMIT IS PROPERLY TERMINATED, AND (3) THE PERMITTEE NOTIFIES ADEM PRIOR TO THE RESUMPTION OF DISTURBANCE OR COMMENCEMENT OF THE NEXT PHASE OF DEVELOPMENT AND THE PERMITTEE COMPLIES WITH THE REQUIREMENTS OF THE PERMIT PRIOR TO COMMENCEMENT OF ADDITIONAL DISTURBANCE.
- PRECIPITATION MEASUREMENT: THE PERMITTEE SHALL MEASURE AND RECORD ALL PRECIPITATION OCCURRING AT THE CONSTRUCTION SITE. PRECIPITATION MEASUREMENTS SHALL BE TAKEN USING DAILY READINGS OF AN ON-SITE RAIN GAUGE OR OTHER MEASUREMENT DEVICE ACCEPTABLE TO ADEM.
- ANY / ALL CONSTRUCTION "TRACK-OUT" SHALL BE CLEANED UP AT THE END OF WORK DAY.

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PROJECT

BMP PLAN

WEST ALABAMA BANK
SUNVIEW DRIVE
VESTAVIA HILLS, ALABAMA

FLORIDA CONCEPTS
TAMPA, FLORIDA

ENGINEER

ALABAMA No. 30887 JEREMY L. TAYLOR
9/26/25

DATE	REVISIONS

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SHEET C5A

MU — TEMPORARY MULCHING

MUa — PERMANENT MULCHING

MULCHING APPLICATION REQUIREMENTS

MATERIAL	RATE	DEPTH
Straw or hay	2 1/2Ton/Acre	6" TO 10"
Wood waste, chips, sawdust, bark	6 to 9 Ton/Acre	2" TO 3"
Geotextiles, jute matting, netting, etc.	See manufacturer's recommendations	

TS — TEMPORARY SEEDING

PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

SPECIES	BROADCAST Poles PLS per per Acre 1000 SF	RESOURCE	REMARKS
SUDANGRASS ALONE ------	40 lbs. 0.9 lb. 10 lbs. 0.2 lb.	NORTH CENTRAL SOUTH	
WHEAT ALONE ------	3 bu. 3.9 lb. (165 lbs.)	NORTH CENTRAL SOUTH	
MILLET, BROWNTOP (Panicum fasciculatum) ALONE ------ IN MIXTURES ------	40 lbs. 0.9 lb. 10 lbs. 0.2 lb.	NORTH CENTRAL SOUTH	137,000 SEED PER POUND QUICK DENSE COVER WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES
RYE (Secale cereale) ALONE ------ IN MIXTURES ------	3 bu. 3.9 lb. (168 lbs.) 1/2 bu. 0.6 lb. (28 lbs.)	NORTH CENTRAL SOUTH	18,000 SEED PER POUND DENSE COVER DROUGHT TOLERANT AND WINTER– HARDY
RYEGRASS, ANNUAL (Lolium temulentum) ALONE ------	30 lbs. 0.7 lb.	NORTH CENTRAL SOUTH	227,000 SEED PER POUND DENSE COVER VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES
COMMON BERMUDAGRASS ALONE ------	10 lbs. 0.25 lb.	NORTH CENTRAL SOUTH	
CRIMSON CLOVER ALONE ------	10 lbs. 0.25 lb.	NORTH CENTRAL SOUTH	

SOD PREPARATION

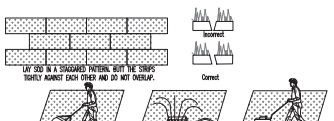
BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONES AND CLODS LARGE THAN 1". APPLY SOD TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES, OR GRAVEL TYPE SOIL. TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DO NOT USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL STERILANTS. MIX FERTILIZER INTO SOIL SURFACE BASED ON TABLE BELOW

SOD

Fertilizer Type	Fertilizer Rate(lbs/sq ft)	Fertilizer Rate(lbs/ sq ft)	Season
10–10–10	1000	0.025	Fall

INSTALLATION

(STEP 1) LAY SOD WITH TIGHT JOINS AND IN STRAIGHT LINES. DON'T OVERLAP JOINES. STAGGER JOINTS AND DO NOT STRETCH SOD. ON SLOPES STEEPER THAN 3:1, SOD SHOULD BE ANCHORED WITH PINS OR OTHER APPROVED METHODS. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOIL AND SOD. (STEP 2) THE BUTTING/ANGLE ENDS CAUSE BY THE AUTOMATIC SOD CUTTING MUST BE MATCHED CORRECTLY. (STEP 3) IRRIGATE SOD AND AND SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER INSTALLATION. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY WEATHER. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 2–3 WEEKS.



MATERIAL

SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE GENERAL AREA OF THE PROJECT IS DESIRABLE.
1. SOD SHOULD BE MACHINE CUT AND CONTAIN 3/4" ±1/2" OF SOIL, NOT INCLUDING SHOOTS OR THATCH.
2. SOD SHOULD BE CUT TO THE DESIRED SIZE WITHIN ±5%. TORN OR UNEVEN PADS SHOULD BE REJECTED.
3. SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING.
4. AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER IF IRRIGATION IS NOT AVAILABLE.
5. THE SOD TYPE SHOULD BE SHOWN ON THE PLANS OR INSTALLED ACCORDING TO THE TABLE PROVIDED BELOW FOR YOUR RESOURCE AREA.

SOD — SODDING

SEEDING (PS)

Construction Specifications:

Timing:
Apply permanent seeding on areas left dormant for 1 year or more.
Apply permanent seeding when no further disturbances are planned.
To determine optimum seeding schedule, consult a local agronomist or erosion control specialist.
Apply permanent seeding before seasonal rains or freezing weather is anticipated.
Use dormant seeding for late fall or winter seeding schedules.

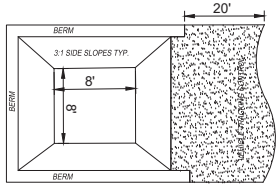
Seed Mixes:
Use seeds appropriate to the season and site conditions.
Consult local agronomist or erosion control specialists for seed mix.
Use a seed blend to include annuals, perennials and legumes.
Use seed rates based on pure live seed (PLS) of 100%. When PLS is below 100% adjust rates accordingly.

Site Preparation:
Bring the planting area to final grade and install the necessary erosion control practices.
Divert concentrated flows away from the seeded area.
Conduct soil test to determine pH and nutrient content. Roughen the soil by harrowing, tracking, grooving or furrowing.
Apply amendments as needed to adjust pH to 6.0-7.5. Incorporate these amendments into the soil.
Prepare a 3-5 inch (76-127 mm) deep seedbed, with the top 3-4 inches (76-102 mm) consisting of topsoil.
The seedbed should be firm but not compact. The top three inches of soil should be loose, moist and free of large clods and stones.
The topsoil surface should be in reasonably close conformity to the lines, grades and cross sections shown on the grading plans.

Planting:
Seed to soil contact is the key to good germination.
Seed should be applied immediately after seedbed preparation while the soil is loose and moist. If the seedbed has been idle long enough for the soil to become compact, the topsoil should be harrowed with a disk, spring tooth drag, spike tooth drag, or other equipment designed to conditions the soil for seeding.
Harrowing, tracking or furrowing should be done horizontally across the face of the slope.
Seed to soil contact is the key to good germination.
Always apply seed before applying mulch.
Apply seed at the rates specified using calibrated seed spreaders, cyclone seeders, mechanical drills, or hydroseeder so the seed is applied uniformly on the site
Broadcast seed should be incorporated into the soil by raking or chain dragging, and then lightly compacted to provide good seed-soil contact.
Apply fertilizer as specified.
Apply mulch or erosion control blanket, as specified, over the seeded areas. Inspection and Maintenance:
Newly seeded areas need to be inspected frequently to ensure the grass is growing.
If the seeded area is damaged due to runoff, additional stormwater measures may be needed.
Spot seeding can be done on small areas to fill in bare spots where grass did not grow properly.

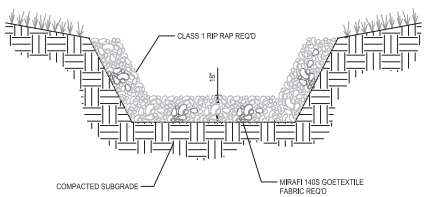
NOTE: DURING "HIGH FAILURE" MONTHS SEEDING CONTRACTOR TO SPREAD MULCH OR HAY FOR SLOPE STABILIZATION.

– *USE A MINIMUM OF 40 LBS. SCARIFIED SEED, REMAINDER MAY BE UNSCARIFIED, CLEAN HULLED SEED.
**USE EITHER COMMON SERAIA OR INTERSTATE SERICEA LESPEDEZA.
– ALL AREAS TO BE SEEDED SHALL HAVE LIME APPLIED AT A RATE OF 90 LB./1000 S.F.. LIME AND FERTILIZER TO BE APPLIED PRIOR TO APPLICATION OF SEED AND MIXED THOROUGHLY WITH THE SOIL.
– ALL AREAS SEEDED SHALL HAVE AN APPLICATION OF STRAW MULCH (APPROXIMATELY 2 1/2 TONS PER ACRE) IMMEDIATELY AFTER PLANTING REGARDLESS OF PLANTING METHOD.
– MAINTAIN 1 YEAR MINIMUM
– LIME: AGRICULTURAL LIME 1 TON PER ACRE (EXCEPTION ON SANDY SOILS – IF THE COVER WILL BE TALL FESCUE AND CLOVER) USE 2 TONS PER ACRE. DO NOT APPLY LIME TO ALKALINE SOILS.
– FERTILIZER:
GRASSES ALONE – USE 400 LBS PER ACRE OF 8–24–24 OR EQUIVALENT. APPLY 30 LBS OF ADDITIONAL NITROGEN WHEN GREASS HAS EMERGED AND BEGUN GROWTH (APPROXIMATELY 0.8 LBS/1000 SF.
GRASS–LEGUME MOITURES: USE 800 TO 1200 LBS/ACRE OF 5–10–10 OR EQUIVALENT.
LEGUMES ALONE: USE 800 TO 1200 LBS/ACRE OF 0–10–10 OR EQUIVALENT.

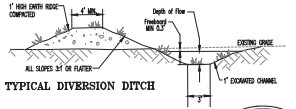


1. DO NOT LOCATE AN UNLINED CONCRETE WASHOUT WITHIN 100' OF A NATURAL DRAINAGE OR WATERBODY
2. THE CONCRETE WASHOUT SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
3. CONCRETE WASHOUT SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' X 8'. PIT SHALL BE AT LEAST 2.5' DEEP.
4. BERM SURROUNDING THE BACK AND SIDES OF THE WASHOUT SHALL BE AT LEAST 1' HIGH.
5. VEHICLE TRACKING PAD SHALL BE SLOPED AT 2% TOWARDS THE PIT.
6. CONCRETE WASHOUT SHALL BE CLEANED OR ENLARGED AS NECESSARY TO MAINTAIN A MINIMUM CAPACITY.
7. CONCRETE WASHOUT MATERIALS SHALL BE HAULED OFF SITE AND DISPOSED OF IN A LEGAL MANNER.
8. THE CONCRETE WASHOUT SHALL REMAIN IN PLACE UNTIL ALL THE CONCRETE FOR THE PROJECT IS PLACED.
9. WHEN THE CONCRETE WASHOUT IS REMOVED, IT SHALL BE COVERED AND STABILIZED TO THE FINISHED GRADES AS SHOWN ON THE PLANS.

CONCRETE WASHOUT DETAIL (CWA)



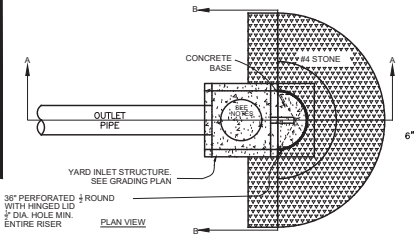
RIP RAP DITCH DETAIL (RR)

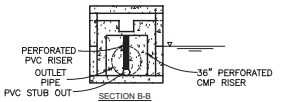


TYPICAL DIVERSION DITCH

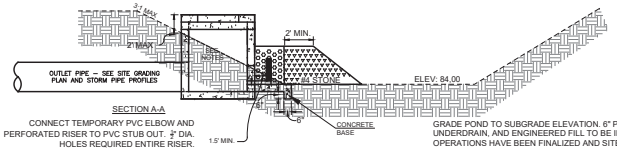
DIVERSION BERM DETAIL (DB)

NOTES
1. THE CHANNEL BEHIND THE DIKE SHALL HAVE POSITIVE GRADE TO A STABILIZED OUTLET.
2. THE DIKE SHALL BE ADEQUATELY COMPACTED TO PREVENT FAILURE.
3. THE DIKE SHALL BE STABILIZED WITH TEMPORARY SEEDING.
4. CHANNEL SLOPE (LONGITUDINAL) SHALL BE 2.0% OR FLATTER.
5. ALL SLOPES SHALL BE 3(H):1(V) OR FLATTER.
6. CH–V IS CHANNEL LINING – VEGETATIVE





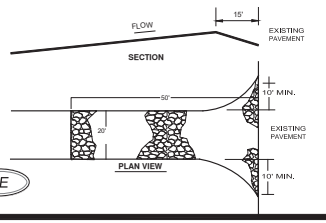
NOTES:
1.) WEIR/ORIFICE CONFIGURATION SHOWN FOR CONCEPTUAL PURPOSES ONLY. SEE SITE GRADING PLAN, STORM PIPE PROFILES, AND BIORETENTION DETAILS.
2.) STONE FILTER SHALL BE #4 STONE OR SMALLER.
3.) 36" PERFORATED 1/2 ROUND WITH HINGED LID AND 5' DIA. HOLE MIN REQ'D.
4.) UPON SITE STABILIZATION, REMOVE ANY ACCUMULATED SILT AND STABILIZE AREA IN POND THAT IS DISTURBED.



CONNECT TEMPORARY PVC ELBOW AND PERFORATED RISER TO PVC STUB OUT. 2" DIA. HOLES REQUIRED ENTIRE RISER.

GRADE POND TO SUBGRADE ELEVATION. 6" PERFORATED PIPE, STONE UNDERDRAIN, AND ENGINEERED FILL TO BE INSTALLED AFTER SITE GRADING OPERATIONS HAVE BEEN FINALIZED AND SITE IS STABILIZED.

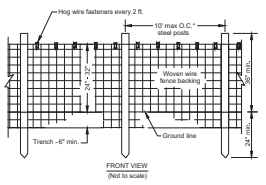
CHECK DAM (OUTLET CONTROL) DETAIL (CD)

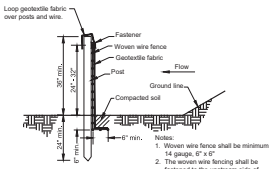


Construction Entrance Notes:
1. A stabilized pad of A.L.D.O.T. #1 crushed stone shall be located where traffic will be leaving the construction site.
2. The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public streets or existing pavement.
3. All sediment spilled, dropped, washed or tracked onto public streets must be removed immediately.
4. CONSTRUCTION EXIT SHALL BE BERMED TO PREVENT SEDIMENT FROM LEAVING THE SITE.

CONSTRUCTION EXIT DETAIL (CE)

N.T.S.

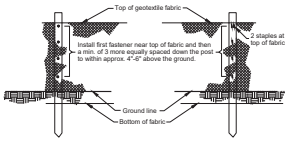




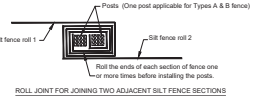
Notes:
1. Woven wire fence shall be minimum 14 gauge, 6" x 6".
2. The woven wire fencing shall be fastened to the upstream side of posts by staples or wire ties.
3. Geotextile fabric shall be securely fastened to the woven wire fencing.
4. Machine trenched geotextile shall be trenched vertical at least 8" deep.

TYPE A SILT FENCE DETAIL (SF)

N.T.S.



FASTENERS FOR SILT FENCES
(Not to scale)



ROLL JOINT FOR JOINING TWO ADJACENT SILT FENCE SECTIONS
(Not to scale)

SILT FENCE INSTALLATION DETAILS (SF)

N.T.S.

811 Know what's below Call before you dig. Dial 811 Or Call 800-282-7411

MTTR ENGINEERS, INC.
CONSULTING ENGINEERS-LAND SURVEYORS
3 RIVERCHASE RIDGE, HOOVER, AL 35244
TELEPHONE (205) 320-0114

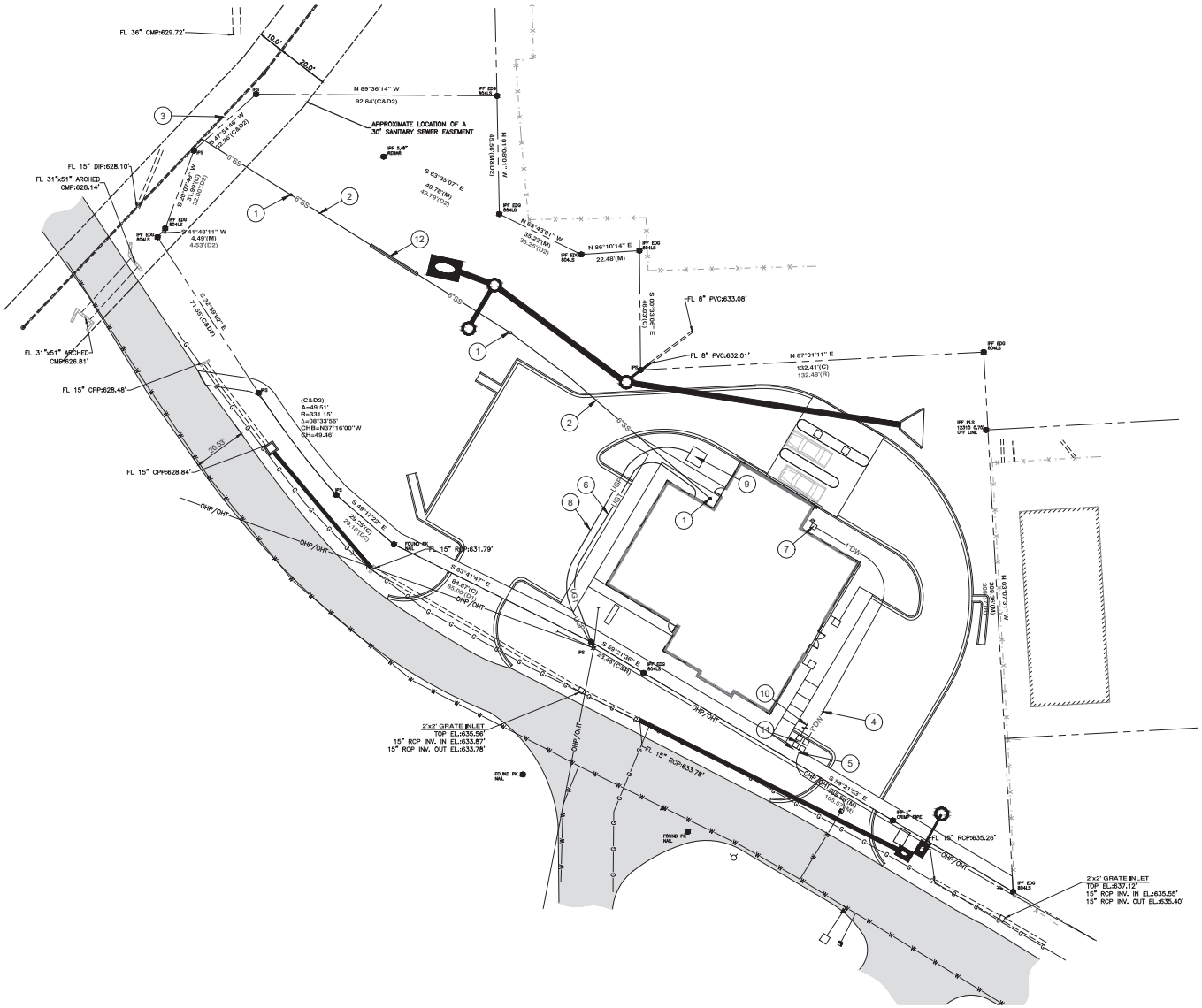
PROJECT
BMP DETAILS
WEST ALABAMA BANK
SUNVIEW DRIVE
VESTAVIA HILLS, ALABAMA
FLORIDA CONCEPTS
TAMPA, FLORIDA

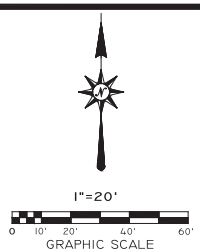
ENGINEER
ALABAMA No. 30991 JEREMY L. TAYLOR
9/26/25

REVISIONS
DATE

JOB NO: 25FCI01
FILE NAME: 25FCI04-R2 9.26.25.DWG
DATE: 9.26.25
DRAWN: T.T.
CHECKED: J.T.
SCALE: SEE PLAN
SHEET C5B

P:\2025 Projects\25FCI - Florida Concepts\25FCI04 - Cahaba Heights – Block\Engineering\Construction Plans\25FCI04-R2 9.26.25.dwg Sep 26,2025 - 8:38 am





UTILITY LEGEND

1. SANITARY SEWER CLEAN-OUT REQUIRED. SEE DETAIL. - TYPICAL CLEAN OUT TO BE LOCATED 30' FROM THE FACE OF THE BUILDING PER JEFFERSON COUNTY ESD STANDARDS.
2. 6" PVC C-900 SANITARY SEWER PIPE AT 1% SLOPE.
3. SANITARY SEWER CONNECTION TO EXISTING MAIN. CONNECTION TO BE INSTALLED PER JEFF CO ESD REQUIREMENTS. INVERT EL = 627.45
4. 1.0" "MUNICIPEX" WATER LINE REQ'D.
5. 1" WATER METER AND BACKFLOW PER BWWB SPECIFICATIONS.
6. (2) 2" PVC CONDUITS FOR UNDERGROUND TELEPHONE, AND DATA SERVICE. CONTACT LOCAL UTILITY PROVIDER FOR COORDINATION.
7. DOMESTIC WATER SHUT OFF VALVE IN BELOW GRADE CAST IRON VAULT.
8. (2) 5" PVC CONDUITS FOR UNDERGROUND POWER SERVICE. CONTACT LOCAL UTILITY PROVIDER FOR COORDINATION.
9. PAD MOUNTED TRANSFORMER PER APCO REQUIREMENTS. PROVIDE BOLLARD PROTECTION AS REQUIRED BY APCO.
10. 1.0" "MUNICIPEX" WATER LINE REQ'D. SEE LANDSCAPE PLAN FOR CONTINUATION.
11. 1" WATER METER AND BACKFLOW (LANDSCAPE IRRIGATION) PER BWWB SPECIFICATIONS.
12. CONCRETE ENCASEMENT REQUIRED. PIPE SHALL BE WRAPPED IN 6 MIL POLY PRIOR TO PLACEMENT OF CONCRETE.

UTILITY NOTES

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS TO ANY EXISTING UTILITY DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.
2. THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER LINE AND SANITARY SEWER LINE IS 5 FEET, OR MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS (12) INCHES.
3. DIMENSIONS SHOWN ARE TO CENTER LINE OF PIPE OR FITTING OR TO CENTER LINE OF MANHOLE.
4. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN PAVED AREAS SHALL MATCH FINISH GRADE. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN GRASSED AREAS SHALL BE 6 INCHES ABOVE FINISHED GRADE (UNLESS OTHERWISE NOTED).
5. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL & MEP PLANS FOR ACTUAL NUMBER AND LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE, BUT NOT LIMITED TO, SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, SITE ELECTRICAL, TELEPHONE AND GAS SERVICE . CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH CITY AND UTILITY COMPANY REQUIREMENTS AS TO LOCATION AND SCHEDULING OF TIE-INS AND CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
6. CONTRACTOR SHALL COORDINATE UTILITY INSPECTION WITH APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
7. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND REQUIREMENTS. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS AND AS-BUILT SURVEYS TO THE SATISFACTION OF THE UTILITY COMPANIES AND OWNER'S INSPECTING AUTHORITIES.
8. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE BUT IS NOT LIMITED TO ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
9. THE UTILITY ROUTING SHOWN ON THIS PLAN IS A RESULT OF COORDINATION EFFORTS WITH LOCAL UTILITY AUTHORITIES. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL UTILITY LOCATIONS WITH THE LOCAL GOVERNING UTILITY AUTHORITIES.
10. CONTRACTOR SHALL ENSURE THAT UTILITIES TO ADJOINING PROPERTIES ARE NOT DISRUPTED AND SHALL ADJUST SERVICES AS NECESSARY.
11. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL ALABAMA ONE CALL 1-800-292-8525 AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR IS RESPONSIBLE TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
12. CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES TO ASSURE PROPER DEPTH AND PREVENT ANY CONFLICT OF UTILITIES.
13. ALL WATER PIPING 3" AND LESS SHALL BE TYPE K COPPER OR APPROVED EQUAL.
14. ALL WATER PIPING LARGER THAN 3" SHALL BE CLASS 350 DIP.
15. ALL SANITARY SEWER SERVICE LATERALS SHALL BE C-900 PVC OR APPROVED EQUAL.
16. CONTRACTOR TO COORDINATE WATER LINE INSTALLATION WITH LOCAL WATER COMPANY AND LOCAL AUTHORITIES FOR ALL METERS, VAULTS, BACKFLOW DEVICES, PIPES, FITTINGS, VALVES AND APPURTENANCES AND, THEY SHALL MEET CITY AND WATER COMPANIES REQUIREMENTS AND SPECIFICATIONS.
17. CONTRACTOR SHALL INSTALL SANITARY SEWER CLEAN-OUT WITHIN 30' FROM BUILDING FACE, AT EACH BEND AND EVERY 100' O.C. (MAX) FOR ALL LATERALS EXITING BUILDING.
18. ALL UTILITY COVERS (PULL BOXES/LIDS/MANHOLE COVERS/ACCESS HATCHES/ETC.) THAT ARE INSTALLED IN PAVED AREAS SHALL BE TRAFFIC-BEARING H-20 LOAD RATED AND BE ADJUSTED TO FINISH GRADE.

811 Know what's below Call before you dig. Dial 811 Or Call 800-282-7411

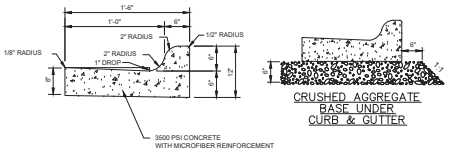
MTTR
ENGINEERS, INC.
CONSULTING ENGINEERS-LAND SURVEYORS
3 RIVERCHASE RIDGE, HOOVER, AL 35244
TELEPHONE (205) 320-0114

PROJECT
UTILITY PLAN
WEST ALABAMA BANK
SUNVIEW DRIVE
VESTAVIA HILLS, ALABAMA
FLORIDA CONCEPTS
TAMPA, FLORIDA

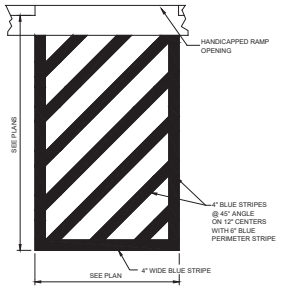
ENGINEER
ALABAMA No. 30887 JEREMY L. TAYLOR
9/26/25

DATE	REVISIONS

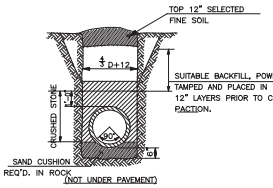
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FILE NAME: 25FCI04-R2 9.26.25.DWG
DATE: 9.26.25
DRAWN: T.T.
CHECKED: J.T.
SCALE: SEE PLAN
SHEET C6



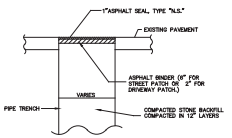
18" CONCRETE CURB AND GUTTER DETAIL
N.T.S.



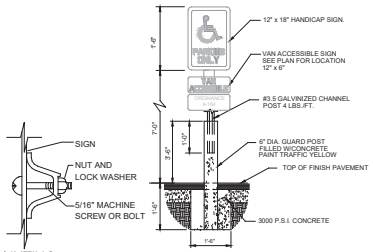
HANDICAPPED ACCESS AISLE DETAIL
N.T.S.



TRENCH BACKFILL DETAILS
N.T.S.

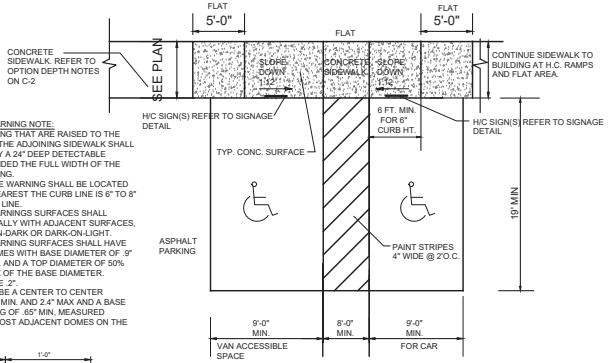


PATCH PAVING DETAIL
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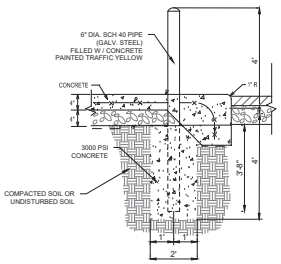


MOUNTING
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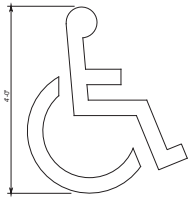
HANDICAPPED SIGN DETAIL
N.T.S.



DETECTABLE WARNING NOTE:
MARKED CROSSING THAT ARE RAISED TO THE SAME LEVEL AS THE ADJOINING SIDEWALK SHALL BE PRECEDED BY A 24" DEEP DETECTABLE WARNING EXTENDED THE FULL WIDTH OF THE MARKED CROSSING.
THE DETECTABLE WARNING SHALL BE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" TO 8" FROM THE CURB LINE.
DETECTABLE WARNINGS SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
DETECTABLE WARNING SURFACES SHALL HAVE TRUNCATED DOMES WITH BASE DIAMETER OF .9" MIN. TO 1.4" MAX. AND A TOP DIAMETER OF 50% MIN. TO 65% MAX OF THE BASE DIAMETER.
HEIGHT SHALL BE .2".
SPACING SHALL BE A CENTER TO CENTER SPACING OF 1.6" MIN. AND 2.4" MAX AND A BASE TO BASE SPACING OF .65" MIN. MEASURED BETWEEN THE MOST ADJACENT DOMES ON THE GRID.

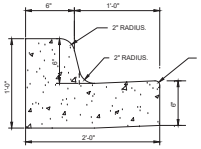


PIPE BOLLARD DETAIL
N.T.S.

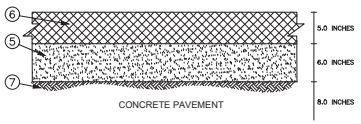


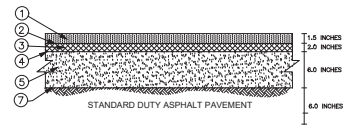
SYMBOL TO BE PAINTED (ADA) BLUE ON ALL HANDICAP PARKING SPACES

HANDICAPPED SYMBOL DETAIL
N.T.S.



18" CONCRETE CURB AND GUTTER DETAIL
N.T.S.



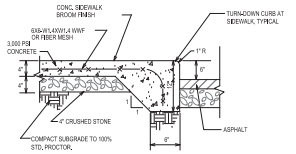


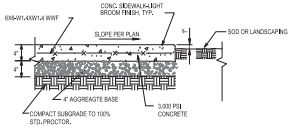
① ALDOT 424-A 340 BITUMINOUS WEARING SURFACE
② ALDOT SECTION 405 TACK COAT
③ ALDOT 424-B 825 BITUMINOUS BINDER
④ ALDOT 401-A BITUMINOUS PRIME COAT
⑤ CRUSHED AGGREGATE BASE; SEE B25, TYPE B, PER ALDOT STD. SPEC. COMPACTED TO 100% MODIFIED DENSITY WITHIN ±2% OF OPTIMAL MOISTURE CONTENT AS DETERMINED BY ASTM D-1557 METHOD D.
⑥ PORTLAND CEMENT CONCRETE PAVEMENT (4,000 PSI); 550 PSI FLEXURAL STRENGTH; 4" MAX SLUMP MIN 28 DAY COMPRESSIVE STRENGTH: 4,000 PSI WITH A MODULUS RUPTURE OF 630 PSI
⑦ ALDOT SECTION 230 APPROVED ROUNDED (SEE MODIFIED DENSITY)

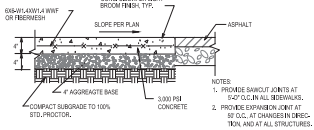
NOTE:
ALL PAVEMENT ITEMS SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH LATEST EDITION OF THE ALABAMA STATE HIGHWAY SPECIFICATIONS.

PAVING SECTIONS

HANDICAPPED RAMP DETAIL
N.T.S.

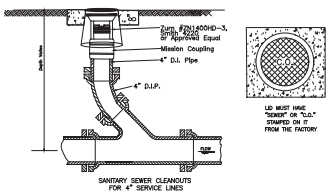




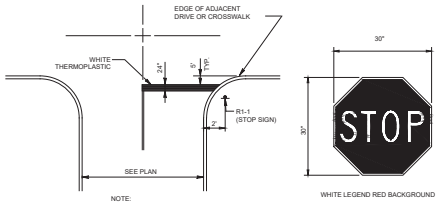


NOTES:
1. PROVIDE SAWCUT JOINTS AT 5'-0" O.C. IN ALL SIDEWALKS.
2. PROVIDE EXPANSION JOINT AT 50' O.C. AT CHANGES IN DIRECTION, AND AT ALL STRUCTURES.

SIDEWALK DETAIL
N.T.S.



CLEANOUT DETAIL
N.T.S.



NOTE:
SIGN SHALL CONFORM TO MUTCD SPECIFICATIONS, LATEST EDITION.

R1-1

STOP BAR AND STOP SIGN DETAIL
N.T.S.

MTTR
ENGINEERS, INC.
CONSULTING ENGINEERS-LAND SURVEYORS
3 RIVERCHASE RIDGE, HOOVER, AL 35244
TELEPHONE (205) 320-0114

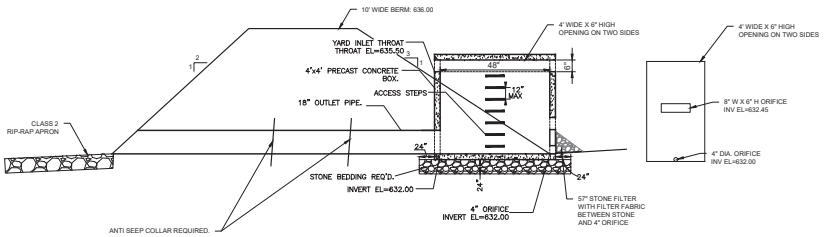
PROJECT
SECTIONS AND DETAILS
WEST ALABAMA BANK
SUNVIEW DRIVE
VESTAVIA HILLS, ALABAMA
FLORIDA CONCEPTS
TAMPA, FLORIDA

ENGINEER
ALABAMA
No. 30887
JEREMY L. TAYLOR
9/26/25

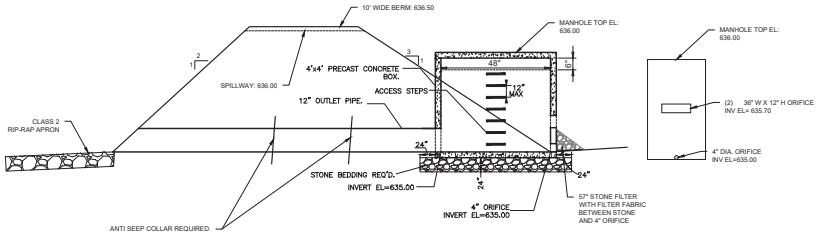
REVISIONS
DATE

JOB NO: 25FCI01
FILE NAME: 25FCI04-R2 9.26.25.DWG
DATE: 9.26.25
DRAWN: T.T.
CHECKED: J.T.
SCALE: SEE PLAN
SHEET C7

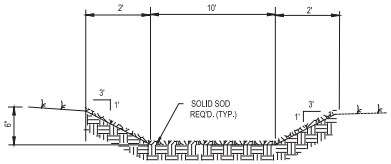
811 Know what's below
Call before you dig.
Dial 811
Or Call 800-282-7411



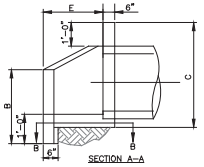
CONTROL STRUCTURE DETAIL - WEST POND
N.T.S.

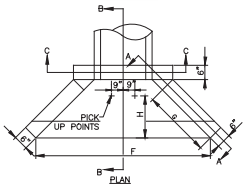


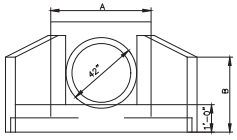
CONTROL STRUCTURE DETAIL - EAST POND
N.T.S.



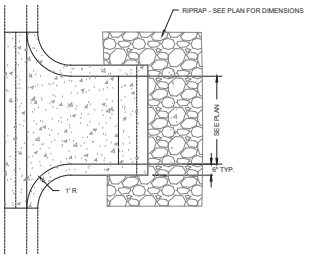
SOLID SOD SPILLWAY DETAIL
N.T.S.



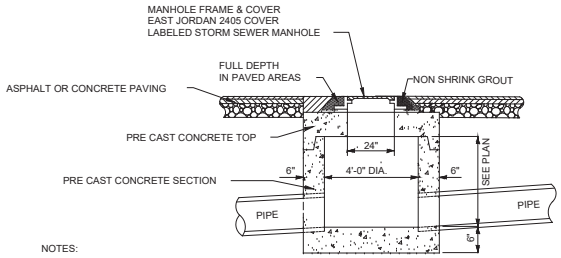




VERTICLE HEADWALL DETAIL
N.T.S.

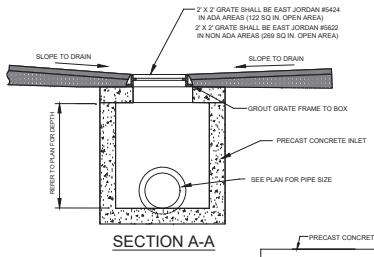


CONCRETE FLUME DETAIL
N.T.S.



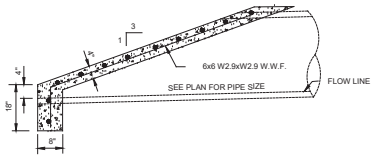
NOTES:
1. IN PAVED AREAS MH COVER TO MATCH PAVING SLOPE
2. IN UNPAVED AREAS COVER EL TO BE 1" ABOVE FIN. GRADE

STORM SEWER DETAIL
N.T.S.



NOTE: FOR STRUCTURES DEEPER THAN 4', USE PRECAST CONCRETE CIRCULAR STRUCTURE, WITH STEPS AS PROVIDED BY MANUFACTURER

GRATE INLET DETAIL
N.T.S.



CONCRETE SLOPED PAVED HEADWALL DETAIL
N.T.S.

MTTR
ENGINEERS, INC.
CONSULTING ENGINEERS-LAND SURVEYORS
3 RIVERCHASE RIDGE, HOOVER, AL 35244
TELEPHONE (205) 320-0114

PROJECT
SECTIONS AND DETAILS
WEST ALABAMA BANK
SUNVIEW DRIVE
VESTAVIA HILLS, ALABAMA
FLORIDA CONCEPTS
TAMPA, FLORIDA

ENGINEER
ALABAMA
No. 30894
JEREMY L. TAYLOR
9/26/25

DATE	REVISIONS

JOB NO: 25FCI01
FILE NAME: 25FCI04-R2 9.26.25.DWG
DATE: 9.26.25
DRAWN: T.T.
CHECKED: J.T.
SCALE: SEE PLAN
SHEET C8

811 Know what's below Call before you dig. Dial 811 Or Call 800-282-7411

LANDSCAPING NOTES:

1. Examination Of Site: Installer shall visit the site of work to acquaint himself with the conditions affecting his work. By submission of bid, installer acknowledges he has complied with all requirements and no additional compensation or relief from any obligation of Contract will be considered because of lack of knowledge of the site conditions.
2. Notes On Drawings: Installer is responsible for all notes on drawings which call attention to particular requirements or conditions which may or may not be included in the written Specifications.
3. Utilities: Prior to construction operations, Installer shall verify locations of all utilities and structures which may or may not be indicated on the drawings. He shall conduct work so as to prevent interruption of services. Any damage shall be repaired to it's original condition or satisfaction of utility company at no expense to Owner.
4. Right-Of-Ways: Any work performed within a state, city or utility company's R.O.W., shall be properly permitted, approved and conform to that governing authority's specifications.
5. Plant Materials: All plant materials shall conform to the applicable standards of the American Association of Nurserymen, Inc. American Standard For Nursery Stock, ANSI Z60.1, latest edition. Plant materials shall have been grown under climatic conditions similar to those in the locality of the project. Quantities on drawings take precedence over quantities shown in the Plant Materials List. Botanical Names take precedence over Common Names. Plants budding into leaf or having tender growth, shall be sprayed with a anti-desiccant at grower prior to digging. All trees shall have a straight central leader.
6. Installation: Install as per Specifications on Drawings and Planting Details. After placement of material, construct an earthen saucer around the root ball and fill with water. While watering, insert a rod into soil and rotate to release any air and continue until no more water will percolate into the soil. Fill holes left by rod and settlement. Remove all bamboo shafts and plastic tape from trunks prior to placing in tree pit. Remove excess soil from top of root ball to expose root flares. Place root ball so that top most root flare is above settled finished grade.
7. Tree Pits: Installer shall dig a test tree pit for percolation. Fill hole half way with water. If tree pit will not percolate at a rate sufficient enough to insure proper root growth and survival, raise the root ball to the minimum height above surrounding grade to insure proper root growth and survival. Pillow berm where indicated on plans.
8. Preparation Of Island Planters: Where new islands, portion of existing islands, or planting areas are added to parking lot or paved areas, cut and remove all asphalt, gravel base, and excavate to depths shown in the Planting Details and backfill with approved topsoil.
9. Topsoil: Unless otherwise specified, install a minimum of 4 inches of approved topsoil over all areas to be seeded, sodded, and landscaped.
10. Guarantee & Maintenance: All plant materials and workmanship shall be guaranteed for a period of twelve months beginning at time of written acceptance. All sodded and seeded areas shall be guaranteed until a full healthy stand of grass is achieved and acceptable to Owner. Trees, shrubs, and grass shall be maintained (as apart of the original bid) in a healthy growing condition until final inspection and approval by Owner. Maintain by mowing, watering on a regular basis, applications of fertilizer, insecticides and fungicides when required. Straighten leaning plants and raise plants that have settled. Remove dead or dying plants and replace with a plant material as originally specified and carry same guarantee. Remove all guy material, and stakes at end of guarantee period.

SEEDING NOTES:

1. Soil Test Report: Installer shall furnish and pay for a Soil Test Analysis to determine the type and quantities of fertilizers and other amendments necessary to establish proper pH levels and nutrients to bring existing soil to a satisfactory level for plant growth. Furnish copies of report to Landscape Architect. Contact local County Agent for test.
2. Seed: Provide fresh, clean, new-crop seed complying with established tolerances for germination and purity in accordance with the U.S. Department of Agriculture Rules and Regulations of the Federal Seed Act, latest edition. Seed shall be mixed by dealer and delivered in sealed containers bearing Dealer's guaranteed analysis.
3. Preparation For Newly Seeded Areas: Prior to seeding, spread topsoil as required (4 inches min.) over areas to be seeded and bring to a smooth finished grade. Grade areas for proper drainage. Add fertilizer as required by Soil Test Report in quantities recommended by report. Apply seed at rates specified. Roll or rake seed into top 1/4 inch of soil and cover seeded areas with straw mulch at a minimum rate of 75 lbs./1000 Sq. Ft. Do not place topsoil on cut slopes steeper than 2.5:1.
4. Maintenance & Guarantee: All seeded and turf areas shall be guaranteed and maintained until a full stand of turf acceptable to Owner is achieved. Maintenance shall also include watering, fertilizing, weeding, mowing, applications of herbicides, fungicides, insecticides, and re-seeding until a full stand of turf free of weeds, undesirable grass species, disease, and insects is achieved and acceptable to Owner.
5. Install erosion control blanket on slopes steeper than 3:1 after seed has been installed.
6. Mixtures: Seed areas as specified and noted on drawings with the following mixtures. Seed Mixtures A (with Annual Ryegrass) shall be mowed to a height not to exceed 6" during winter months. Mow to a height of 2"-3" in middle of May or when Bermudagrass begins to germinate.

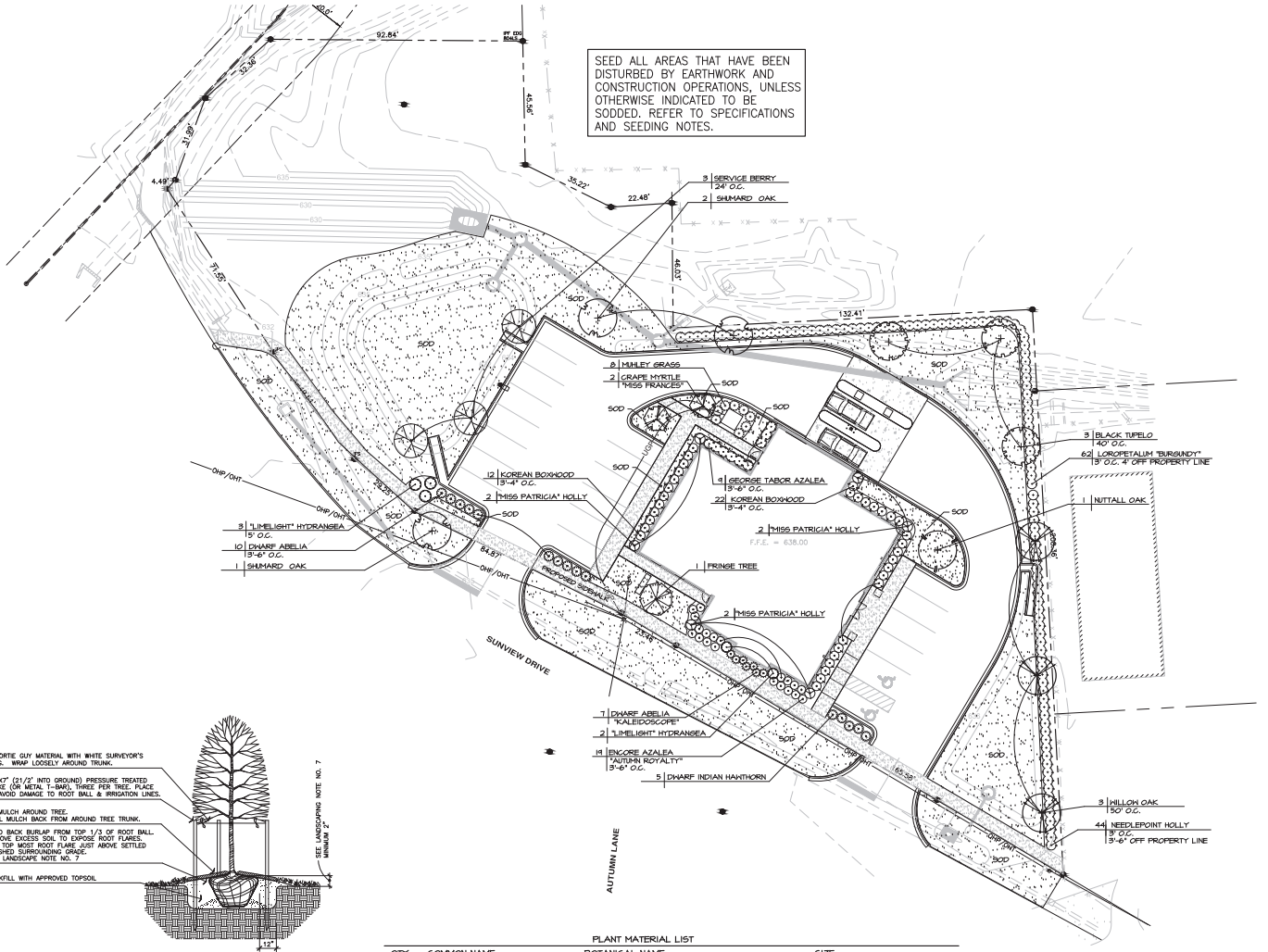
SLOPES 3:1 (H:V) AND FLATTER

MIX-A Sept. thru March	
Kentucky 31 Fescue	75 lbs./Acre
Bermudagrass (Unhulled)	45 lbs./Acre
Pensacola Bahiagrass	25 lbs./Acre
Annual Ryegrass	100 lbs./Acre

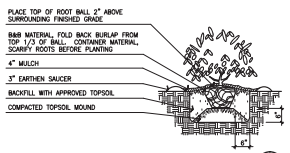
MIX-B April thru August	
White Dutch Clover	10 lbs./Acre
Bermudagrass (Hulled)	60 lbs./Acre
Pensacola Bahiagrass	30 lbs./Acre

SODDING NOTES

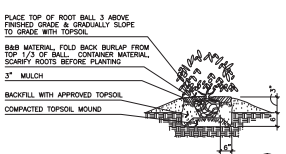
1. Soil Test Report: Installer shall provide and pay for a Soil Test Report to determine type and quantities of fertilizers and other amendments necessary to establish proper pH factor and nutrients to bring existing soil to a satisfactory level for plant growth. Testing shall include existing soil and topsoil. Furnish copies of Soil Test Report to Landscape Architect and or Engineer. Contact local County Agent for testing.
2. Preparation: Install 4 inches of approved topsoil over all areas to be sodded. Rake smooth to finished grades shown. Add fertilizers and other soil amendments in quantities as recommended in the Soil Test Report, unless otherwise specified in the Specifications.
3. Sod: Provide fresh well-rooted sod free of weeds, nutgrass, disease, insects, and other grasses. Sod shall be machine cut with clean sharp edges to a uniform thickness with 1 1/2 inches of topsoil and a turf height of 1 to 1½ inches. Mow prior to cutting.
4. Installation: Install with tight fitted joints. Lay perpendicular to direction of slope. Stagger strips to offset joints of adjacent courses. Set sod by rolling with a water ballast roller and water thoroughly to saturate sod and subsoil. Secure sod with staples on slopes 2.5:1 and steeper.
5. Guarantee & Maintenance: All sodded areas shall be guaranteed and maintained in strict accordance with the Specification. Maintain also by mowing, watering, fertilizing, weeding, applications of herbicides, fungicides, insecticides, until a full healthy stand of grass, free from weeds, disease, and insects is achieved and acceptable to Owner. Replace any dead sod.



TREE PLANTING DETAIL (1)



SHRUB PLANTING DETAIL (2)



AZALEA PLANTING DETAIL (3)

PLANT MATERIAL LIST

QTY.	COMMON NAME	BOTANICAL NAME	SIZE	
3	BLACK TUPELO	NYSSA SYLVATICA	2½" CAL. 12'-14'	B&B
1	FRINGE TREE	CHIONANTHUS VIRGINICUS	2" CAL. 10'-12'	B&B
2	CRAPE MYRTLE "MISS FRANCES"	LAGERSTROEMIA INDICA 'MISS FRANCES'	6'-8' 2-3 TRUNKS	
1	NUTTALL OAK	QUERCUS NUTTALLII	2½" CAL. 12'-14'	B&B
3	SERVICE BERRY	AMELANCHIER ARBOREA 'AUTUMN BRILLIANT'	2½" CAL. 10'	B&B
3	SHUMARD OAK	QUERCUS SHUMARDI	2½" CAL. 12'-14'	B&B
3	WILLOW OAK	QUERCUS PHELLOS	2½" CAL. 12'-14'	B&B
10	DWARF ABELIA	ABELIA X 'ROSE CREEK'	#3 CONTAINER	15" SPREAD
7	DWARF ABELIA "KALEIDSCOPE"	ABELIA X 'KALEIDSCOPE'	#3 CONTAINER	15" SPREAD
5	DWARF INDIAN HAWTHORN	RAPHIOLEPIS INDICA 'SNOW'	#3 CONTAINER	15" SPREAD
19	ENCORE AZALEA	AZALEA X 'AUTUMN ROYALTY'	#3 CONTAINER	15" SPREAD
9	GEORGE TABOR AZALEA	RHODODENDRON INDICA 'GEORGE L. TABOR'	#3 CONTAINER	18"-24" HEIGHT
34	KOREAN BOXWOOD	BUXUS MICROPHYLLA 'KOREANA'	CONTAINER	30" HEIGHT
5	"LIMELIGHT" HYDRANGEA	HYDRANGEA PANICULATA 'LIMELIGHT'	CONTAINER	24"-30" HEIGHT
62	LOROPETALUM "BURGUNDY"	LORETALUM CHINENSIS RUBRUM 'BURGUNDY'	#3 CONTAINER	24"-30" HEIGHT
6	"MISS PATRICIA" HOLLY	ILEX X. "MISS PATRICIA"	#3 CONTAINER	18"-24" HEIGHT
8	MUHLEY GRASS	MUHLENBERGIS CAPILLARIS	#3 CONTAINER	12" HEIGHT
44	NEEDLEPOINT HOLLY	ILEX CORNUTA NEEDLEPOINT	#3 CONTAINER	24" HEIGHT
2,000	APPROX. SQ. YDS. "TIFTON" 419 BERMUDAGRASS SOD			

PRELIMINARY FOR REVIEW ONLY

10 5 0 20 40
SCALE IN FEET
1" = 20'

LANDSCAPE PAN

Date: DECEMBER 2, 2025 | Drawn: R.P.K. | Checked:

NO.	REVISIONS:	DATE

WEST ALABAMA BANK
SUNVIEW DRIVE
VESTAVIA HILLS, ALABAMA
FOR
FLORIDA CONCEPTS
TAMPA, FLORIDA

Robert P. Kirk & Associates, P.C.
Landscape Architecture - Site Planning
& Golf Course Design
2155 Old Rocky Ridge Road
Birmingham, Alabama 35216
205/988/4720

SHEET
L1-R0

SEQUENCE
1 OF 1

PROJECT 25-113

C:\Users\Robert Kirk\Documents\AcadDwgs\MTR Engineers\West Alabama Bank\25F004-R2 -Land.dwg Dec. 02,2025 - 1:45 pm


West Alabama Bank

Record No: DRB-26-4

Design Review Board Application

Status: Active

Submitted On: 4/20/2026

Primary Location

3740 CORPORATE WOODS DR
VESTAVIA HILLS, AL 35242

Owner

ATC Holdings, LLC
Marlboro Dr 3304 Birmingham, AL 35223

Agenda Information

Agenda Schedule

Comment/Delay/Information:

Owner of Property

Name*

ATC Holding, LLC

Address*

3304 Marlboro Dr

City*

Birmingham

State*

AL

Zip Code*

35223

Phone Number*

704-502-7798

Email*

Billing/Responsible Party

Name*

Ryan Freeman, Inc

Address*

6047 Old Leeds Rd

City*

Irondale

State*

AL

Zip Code*

35210

Phone Number*

205-568-8646

Email*

Representing Attorney/Other Agent

Name

Ryan Freeman, Inc

Address

6047 Old Leeds Rd

City

Irondale

State

AL

Zip Code

35210

Phone Number

205-568-8646

Email

Description of Property

Subject Property Address

3740 Corporate Woods Dr

Property Zoning Classification

PUD-PB

Subdivision Name, Lot #, Block #, etc.

Lot 1G-A-2 Corporate Woods Addition, Resurvey #5 Map Book 230 Pg. 52

Reason for Request

Check all that apply

Preliminary Review

☐

Landscape Review

☑

Architectural Review

☑

Final Review of Materials

☑

Other

☐

Detailed Explanation

The construction of a new pediatric dental office with off-street parking.

Process

Check all that apply

New Building

☑

Renovation of Existing Building

☐

New Landscape Plan

☑

Renovation to Existing Landscaping Plan

☐

Other

☐

Detailed Explanation

Affidavit:

I do hereby declare the above statements are true and that I, the owner, and/or my duly appointed representative will be at the scheduled hearing. Simultaneously with the submittal of this application, I am hereby submitting a notarized affidavit signed by the owner of the property in the attachments section of this application. NOTE: Applications cannot be processed without the notarized owners affidavit.

Review Requirements

The following information and exhibits shall be provided and presented on your proposed project for review. The Board will review the three project components at the meeting. The Board must approve all three components before any permit is issued. A design professional, owner, or owner representative with knowledge of design elements and project provisions should represent the project to the committee.

General: Provide three copies and one digital copy (pdf format) of all drawings or plans required below for review. Drawings must be to scale. These drawings should be turned in with the application. Drawings shall be folded to size 8 ½” by 11”.

1. Architectural Review
    a. Site plan showing roadways, entrances, exits and parking
    b. Building elevations showing construction material, material colors, context, and protrusions. Color rendering is preferred. Roof design must be detailed.
    c. Presentation by architect or owner with knowledge of compatibility with adjacent structures, city context, etc.
2. Landscape Review
    a. Site plan showing contours, drainage containment areas, parking spaces, sidewalks, buffers, site lighting and details, etc.
    b. Landscape plan showing planting materials, designations, size, potted planting, window boxes, vines, etc. Trees will be identified by botanical name, quantity, and caliper. Shrubs will be identified by botanical name, quantity, and container size. Differentiate between existing and new landscaping.
    c. Parking lots: Provide calculations of total square footage and square footage designed for landscaping. Indicate handicapped spaces. Indicate size of parking spaces.
    d. Irrigation plan for all landscaped areas.
    e. Statement of maintenance policy and provisions.

Internal reviews/information

Meeting Date

Preliminary Review

Landscape Review

Architectural Review

Final Review of Materials

Other

Engineering Review

Record No.**DRB-26-4**

Status Completed

Type Approval

Assignee Ethan Fisher

Became Active April 21, 2026

Due Date None

Record No: DRB-26-4

Design Review Board Application

Status: Active

Submitted On: 4/20/2026

Messages

Ethan Fisher April 21, 2026 at 11:46 am

Site disturbance appears to be greater then 1 acre; therefore, this would trigger our post construction stormwater ordinance. That would require water quality measures to be implemented. There will also need to be an easement for the detention system since the pond crosses lot lines. This will be required when the land disturbance permit is submitted.

Ryan Freeman April 22, 2026 at 4:49 pm

The easement agreement has been uploaded to the portal. We are waiting on the ADEM permit. I assumed that would be submitted with permitting. Is that the case?

Liberty Park Dental

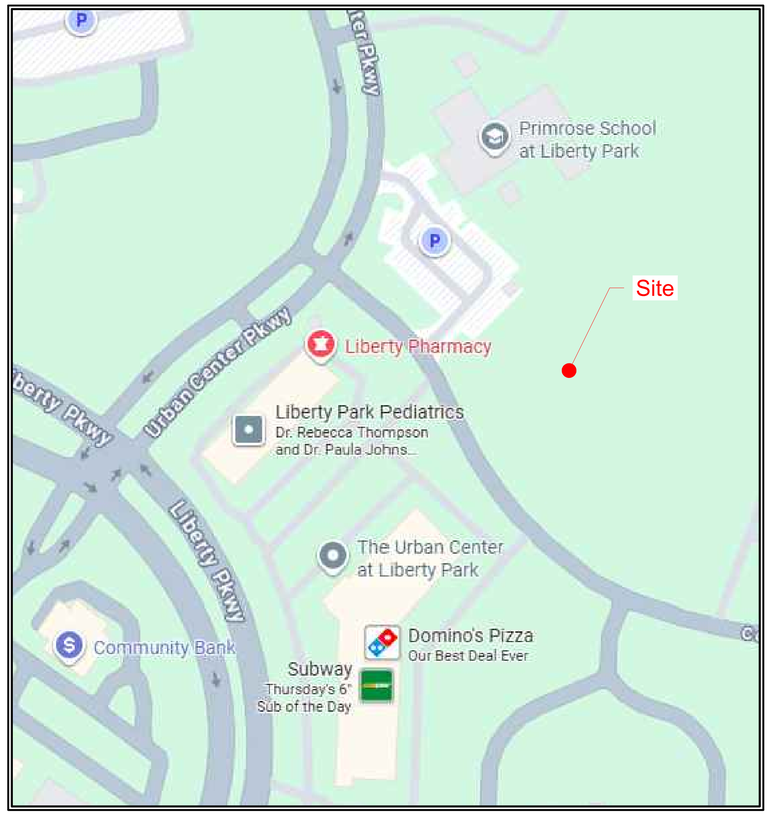
3730 & 3740 Corporate Woods Dr, Vestavia Hills, AL 35242

Being situated in Section 12, Township 18 South, Range 2 West

Jefferson County, Alabama



Alabama Counties



VICINITY MAP
N.T.S.

Sheet #	Description
C0.0	Title Sheet
C0.1	General Notes
C0.2	Existing Conditions
C1.0	Site Plan
C2.0	Utility Plan
C3.0	Grading Plan
C4.0	Drainage Plan
C5.0	CBMP Plan
C6.0	Construction Details
Attachments by others:	
L-1.0	Planting Plan
L-2.0	Planting Details

Forty•4 Engineering Design
1703 McConnell Lane
Mount Olive, AL 35117
P: 205.876.4335
fortydot4.com

ALABAMA LICENSED No. 27017 PROFESSIONAL ENGINEER BRYAN S. PRESNELL
4/16/2026

Liberty Park Dental
3730 & 3740 Corporate Woods Dr
Vestavia Hills, AL 35242
Being situated in Section 12, Township 18 South, Range 2 West
Jefferson County, Alabama

Project # 24-0322

Drawing Date: April 16, 2026

Revision(s) Date:

Sheet Title: Title Sheet

Drawing: C0.0

General Notes:

1. All traffic control devices and their installation shall be in accordance with the Manual on Uniform Traffic Control Devices, latest edition, and shall be the contractor's responsibility.
2. All construction shall be in accordance with the local jurisdictions, Standards and Specifications, latest edition.
3. Notify the local jurisdiction 48 hours before beginning construction.
4. Utility locations may vary. Contractor shall have all utilities field located prior to beginning construction.
5. All activities shall be conducted in a logical sequence so as to minimize the area of exposed soil at one time.
6. Any sediment reaching the roadway shall be removed by street cleaning, not by flushing, before the end of each day.
7. Contractor shall be responsible for obtaining all required permits.
8. Job safety is the sole responsibility of the contractor.
9. Stone backfill shall be used the full depth of trench under all pavement. All utilities under pavement shall be backfilled with stone.
10. Storm pipe shall be Reinforced Concrete Pipe Class III, unless otherwise indicated on plans. All ADS Pipe to be dual wall construction pipe.
11. Contractor shall be responsible for construction & maintenance of erosion and sedimentation controls during construction for protection of adjacent properties, roadways and waterways.
12. Contractor and developer responsible for providing a building site free of drainage problems.
13. No subsurface investigation has been done by FortyDot4 Engineering, LLC. A geotechnical engineer should review the site before beginning construction. Grading Contractor is responsible for verifying with geotechnical engineer that slopes shown on plans are acceptable with soil type.
14. Site located in designated flood hazard Zone 'X' according to F.I.R.M. Panel #01073C0577H, dated September 24, 2021.
15. Contractor shall provide drainage away from the buildings.
16. Precast structures may be used at the contractor's option. Any precast structures proposed within City ROW or easement requires submittal to city Engineering Department.
17. Contractor shall be responsible for coordination and cost of the relocation of all utilities along the right of way and on the site associated with the construction of this project, such as, but not limited to signal poles, signal controls, drainage structures, traffic signs, utility poles, guy wires, etc. Contractor to have existing utility poles, utility services lines, meters, etc. removed from site prior to beginning construction.
18. In all areas where new curb and gutter are installed, remove all old curb and gutter and saw cut a straight edge along asphalt.
19. The earthwork for all building foundations and slabs shall be in accordance with architectural plans and specifications.
20. Contractor is responsible for repairs of damage to any existing improvements during construction, such as, but not limited to, drainage, utilities, pavement, striping, curbs, etc. Repairs shall be equal to or better than existing conditions.
21. All slopes and disturbed areas not covered by building or pavement shall be graded smooth and receive 4 inches of topsoil. Contractor to provide topsoil if not available on site. The areas shall be seeded, mulched, fertilized and watered to provide a hearty mowable stand of grass. Small rocks must be removed. Any areas disturbed for any reason prior to final acceptance of the project shall be corrected by the contractor at no additional cost to the owner. All disturbed areas shall have full stand of grass prior to issuances of Certificate of Occupancy.
22. Any fill used to increase the elevation of the floor slab or any fill to be used as backfill, shall be approved by the geotechnical engineer. Prior to the use of any granular fill, laboratory analysis shall be performed on representative samples of the fill material to determine whether the material is suitable as fill. Compacted fill shall be placed in layers of not more than eight inches in thickness, at moisture contents within three percent optimum, and compacted to minimum density of 98 percent of the maximum dry density as determined by the standard proctor method, ASTM D-698. All areas of fill to have compaction tests performed by geotechnical engineer prior to constructing improvements in said areas.
23. All spot elevations are top of pavement unless otherwise noted.
24. All system manholes and pipes to be flushed clean prior to turning over to the owner.
25. All pipe lengths (if shown) listed are based on the horizontal distance from center of structure and used for design.
26. The contractor is responsible for comparing the storm sewer and sanitary sewer charts with the profiles for the storm sewer and sanitary sewer lines and informing the engineer of any conflicts or discrepancies prior to commencement of construction.
27. Contractor to notify appropriate utility 48 hours prior to beginning any construction on service lines and taps of existing mains. Contractor is responsible for all utility permits.
28. All Drain Basins and grates are to be rated for road / highway traffic.
29. Boundary and topographic information taken from survey by others. Information has not been field verified by FortyDot4 Engineering.
30. It is the contractors responsibility to verify that all structures and or devices shown on plans meet current specifications and are pre-approved by the local jurisdiction prior to installation.

Erosion & Sedimentation Notes:

1. A copy of the accepted erosion and sedimentation control plan shall be on file at the job site. Copies of all monthly reports and all accidental discharge reports, must also be kept on-site and must be available for inspection by the city or ADEM official at any time.
2. The person(s) proposing to conduct any land disturbing activity, an agent, contractor, or other representative of such person, must contact the local jurisdiction at least five (5) business days before the commencement of such land disturbing activity, to advise the jurisdiction of the commencement of the land disturbing activity.
3. The angle for graded slopes and fills shall be no greater than the angle which can be retained by vegetative cover, or other adequate erosion control devices or structures. Any slope or fill which has been graded shall, within fourteen (14) days of the completion of such grading, or the completion of any phase of grading, be planted or otherwise provided with ground cover, materials, devices or structures sufficient to restrain erosion. The BMP's shall remain in place in accordance with the BMP Plan until the graded slope or fill is stabilized.
4. Adequate protective measures shall be provided for the containment of hazardous substances and any other materials which may pollute the MS4. Petroleum products, lubricants, paints and all other hazardous substances shall be stored in accordance with SPCC regulations. These substances shall be stored away from all storm drains, ditches and gutters in water tight containers. Disposal of these materials shall be in accordance with ADEM Regulations. Contractors shall provide adequate trash containers, on site, for disposal of construction materials and the contractor shall be responsible for preventing trash from the site to enter into the storm drainage system.
5. All control measures shall be checked, and repaired as necessary, monthly in dry periods and within twenty-four (24) hours after any rainfall at the site of 0.75 inches, within a twenty-four (24) hour period. During prolonged rainfalls, daily checking and, if necessary, repairs shall be made. The permittee shall maintain written records of such checks and repairs and those records shall be subject to the inspection of the Director or his/her designee at any reasonable time.
6. All potentially hazardous materials shall be properly stored and may not be exposed to rain or stockpiled. All containers are to be closed and stored or placed in a covered area. All excess or waste materials are to be properly disposed of and trash and waste must be disposed of every ten (10) days, at a minimum.
7. Erosion control measures shall be maintained as an effective barrier to sedimentation and erosion in accordance with the provisions of this Ordinance.
8. Sediment deposits must be removed when they reach a depth of 15 inches or ½ the height of the silt fence as installed, to provide adequate storage volume for the next rain and to reduce the pressure on the silt fencing.
9. Silt fencing fabric that is collapsed, torn, decomposing, or becomes ineffective must be replaced promptly.
10. There shall be no distinctly visible floating scum, oil, or other matter contained in the storm water discharge. The storm water discharge to an MS4 must not cause an unnatural color (except dyes or other substances discharged to an MS4 for the purpose of environmental studies and which do not have a harmful effect on the bodies of water within the MS4) or odor in the community waters. The storm water discharge to the MS4 must result in no materials in concentrations sufficient to be hazardous or otherwise detrimental to humans, livestock, wildlife, plant life or fish and aquatic life in the community waters.
11. When the land disturbing activity is finished and stable vegetation or other permanent controls have been established on all remaining exposed soil, the owner of the land where the land disturbing activity was conducted, or his/her authorized agent, shall notify the Engineer / QCIP of these facts and request a Final Inspection.
12. Contractor shall refer to the Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas (provided by the Alabama Soil and Water Conservation Committee) for details and measures referred to in this plan.
13. Erosion control devises shown on plans are minimum recommended requirements. Additional erosion control measures may be required to prevent sediments from leaving the site and shall be implemented by the contractor as needed due to site conditions.
14. Erosion control devices may be substituted by other means that operate at least as well as ones listed, and as approved by engineer.
15. Contractor shall maintain a rain gauge and rain records for the site. All rain events greater than 3/4 inch in a 24 hour period shall be reported in writing to the QCIP performing ADEM inspections.

Construction Sequence for Erosion Control

1. Contractor shall prepare and submit a CBMPP and obtain a land disturbance permit from appropriate authority. Plan shall meet all requirements of the Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas.
2. Prior to clearing site, contractor shall begin by installing construction drive and all perimeter silt fences.
3. All existing streams shall be protected from silt and erosion by installation of measures such as silt fences, hay bales, & temporary sediment basins.
4. Contractor may now begin clearing, grubbing and other earthwork operations on the site.
5. Water from the site shall be directed to temporary sediment areas at locations determined by the qualified credentialed professional prior to being released to the stream.
6. Areas not to receive paving, sidewalks or building exposed at grade or near grade shall be provided with ground cover, materials, devices or structures sufficient to restrain erosion within 14 days of completing grading activities. Temporary grassing or permanent grassing shall be installed to mitigate the effects of rain on the subgrade or finished grade.
7. Once all land disturbance has been completed and all disturbed areas are stabilized, contractor to notify permitting authority for final inspection of site.

Forty•4
Engineering Design
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Mount Olive, AL 35117
P: 205.876.4335
fortydot4.com

ALABAMA LICENSED 37017 PROFESSIONAL ENGINEER BRYANS PRESSNELL
4/16/2026

Liberty Park Dental

3730 & 3740 Corporate Woods Dr
Vestavia Hills, AL 35242
Being situated in Section 12, Township 18 South, Range 2 West
Jefferson County, Alabama

Project #
24-0322

Drawing Date:
April 16, 2026

Revision(s) Date:

Sheet Title:
Civil Notes

Drawing:
C0.1

SW 1/4 OF NE 1/4
SEC. 12, T18S, R2W
NW 1/4 OF SE 1/4
SEC. 12, T18S, R2W
SE 1/4 OF NW 1/4
SEC. 12, T18S, R2W
NE 1/4 OF SW 1/4
SEC. 12, T18S, R2W
LOT 1G-B
CORPORATE WOODS ADDITION
TO LIBERTY PARK, RESURVEY 2
MAP BOOK 204, PAGE 87
APPROXIMATE 100 YEAR FLOOD AREA
AS SHOWN ON MAP BOOK 230, PAGE 52
EXISTING
5/8" REBAR
S 70°05'40" E
192.47'
S 70°05'40" E
19.58'
SET 5/8"
REBAR
N 68°44'25" E
347.64'
CENTERLINE 15'
STORM EASEMENT
MAP BOOK 204
PAGE 87
LOT 2A
CORPORATE WOODS ADDITION
TO LIBERTY PARK, RESURVEY 1
MAP BOOK 198, PAGE 90
EXISTING
5/8" REBAR
LOT 1G-A
MAP BOOK 230
PAGE 52
LOT 1G-A-3
CONTAINING
88,026 SQ. FEET
2.02 ACRES
LOT 1G-A-1
CONTAINING
61,850 SQ. FEET
1.42 ACRES
LOT 1G-A-2
CONTAINING
46,723 SQ. FEET
1.07 ACRES
S 31°14'10" W
430.31'
S 43°01'45" W
408.27'
N 21°05'25" E
210.71'
N 38°17'05" E
118.41'
S 43°01'45" W
117.27'
N 46°29'45" E
258.84'
CONSERVATION EASEMENT
PER INSTRUMENT 1995-38
MAP BOOK 204, PAGE 87
SET 5/8"
REBAR
EXISTING
5/8" REBAR
EXISTING
3/4" REBAR
L=2.35'
R=340.00'
Δ=00°23'45"
CH=2.35'
S 70°05'40" E
N 72°49'25" W
23.10'
SET 5/8"
REBAR
L=126.01'
R=3787.00'
Δ=02°22'56"
CH=126.00'
S 61°05'05" E
L=489.36'
R=3801.00'
Δ=07°22'39"
CH=489.03'
N 35°02'15" W
L=95.06'
R=3736.36'
Δ=01°27'18"
CH=95.06'
N 26°15'30" W
L=65.00'
R=3736.36'
Δ=01°14'25"
CH=65.00'
N 27°08'48" W
N 22°54'50" W
4.68'
EXISTING
5/8" REBAR
SET 5/8"
REBAR
EXISTING
3/4" REBAR
R.O.W.
40'
R.O.W.
EXISTING
3/4" REBAR
SET 5/8"
REBAR
CORPORATE WOODS DRIVE
(PRIVATE DRIVE)
PK NAIL CONTROL
N: 1266756.3800
E: 2212764.4000
Z: 604.7600
PK NAIL CONTROL
N: 1266941.5000
E: 2212765.2100
Z: 602.0200
SANITARY SEWER
MANHOLE #1
RIM=601.16
INV=591.23 (I)
FL=591.23
FL=591.72 (IN)
SANITARY SEWER
MANHOLE #2
RIM=602.71
FL=591.61 (I)
SS
LATERAL
LP
WV
FH
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
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UTILITY DISCLAIMER

The underground utilities shown are based on information obtained from utility companies and other available records. The Engineer/Surveyor does not guarantee that all existing utilities are shown, either active or abandoned.

The Engineer/Surveyor does not warrant the accuracy or completeness of the locations indicated, and has not physically verified the utilities shown.

The Contractor shall be responsible for locating and verifying all underground utilities prior to construction.

This shall include notifying all utility companies and contacting Alabama One Call (811 or 1-800-292-8525). Additional measures, including exploratory hand excavation, may be required to determine the exact locations of utilities.

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fortydot4.com

ALABAMA LICENSED 27017 PROFESSIONAL ENGINEER BRYAN S. PRESSNELL
4/16/2026

Liberty Park Dental

3730 & 3740 Corporate Woods Dr
Vestavia Hills, AL 35242
Being situated in Section 12, Township 18 South, Range 2 West
Jefferson County, Alabama

Project # 24-0322
Drawing Date: April 16, 2026
Revision(s) Date:

Sheet Title: Site Plan
Drawing: C1.0

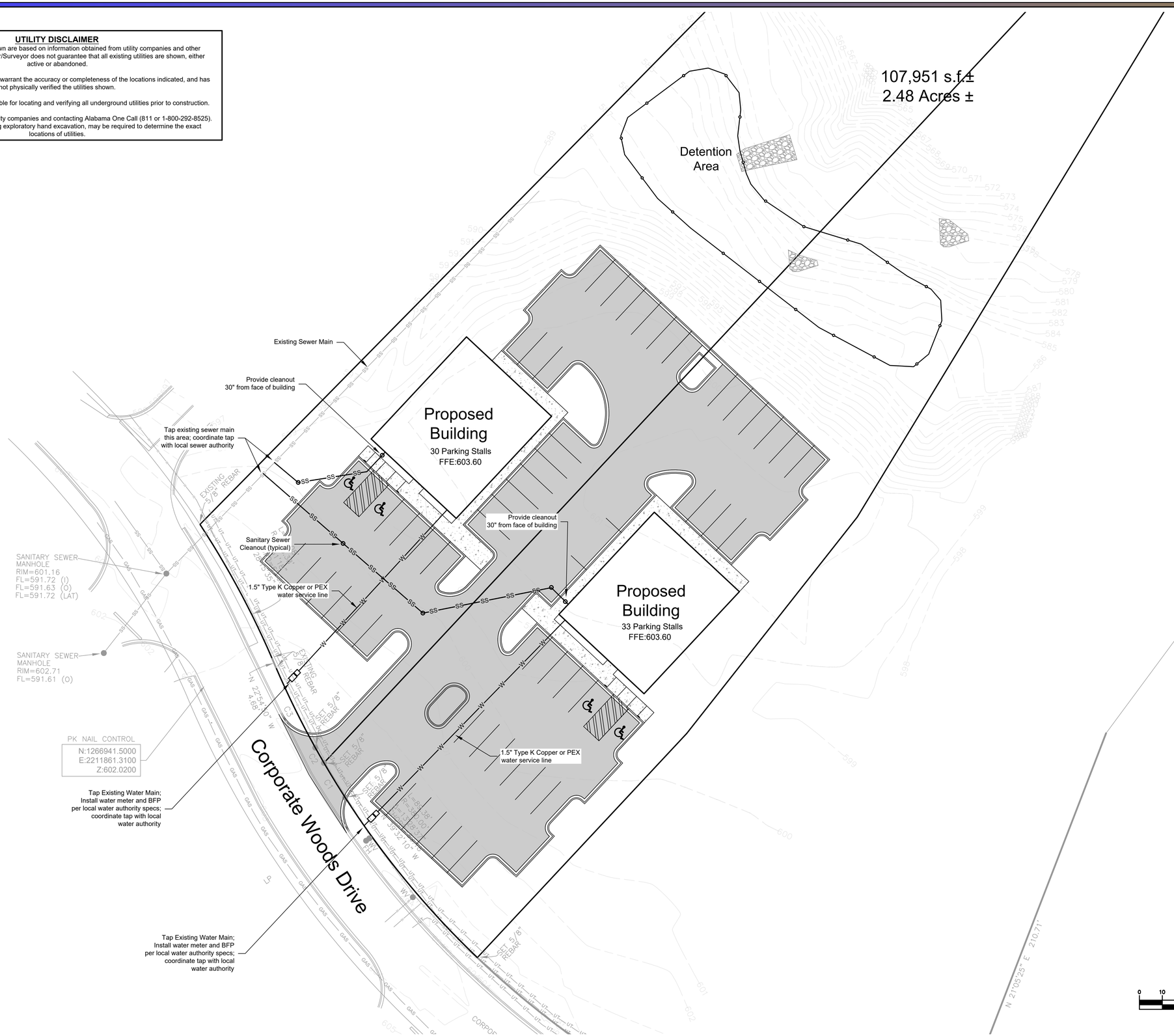
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Project # 24-0322

Drawing Date: April 16, 2026

Revision(s) Date:

Sheet Title: Utility Plan

Drawing: C2.0

107,951 s.f.±
2.48 Acres ±

Detention Area

Proposed Building
30 Parking Stalls
FFE:603.60

Proposed Building
33 Parking Stalls
FFE:603.60

Corporate Woods Drive

SANITARY SEWER MANHOLE
RIM=601.16
FL=591.72 (I)
FL=591.63 (O)
FL=591.72 (LAT)

SANITARY SEWER MANHOLE
RIM=602.71
FL=591.61 (O)

PK NAIL CONTROL
N:1266941.5000
E:2211861.3100
Z:602.0200

N 22°54'50" W 4.68'

N 21°05'25" E 210.71'

EXISTING 5/8" REBAR

SET 5/8" REBAR

0 10 20 40 80

SCALE: 1" = 20'

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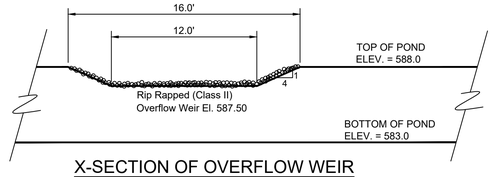
Project #
24-0322

Drawing Date:
April 16, 2026

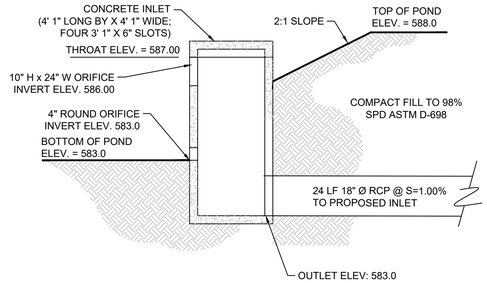
Revision(s) Date:

Sheet Title:
Grading Plan

Drawing:
C3.0



X-SECTION OF OVERFLOW WEIR
N.T.S.



OUTLET STRUCTURE
N.T.S.

Drainage Calculations (from developed area of site)
25-year pre development peak runoff: 4.074 cfs
25-year post development peak runoff: 1.541 cfs

107,951 s.f.±
2.48 Acres ±

Detention Area

Provide Rip Rap Overflow this area

Provide black vinyl chain link fence around pond with gate and lock

Concrete Headwall FL:583.00

Manhole Rim:588.00 FL In:585.12 FL Out:583.12

Headwall FL:579.72

28 LF 18" CL-III RCP @ 1.00% Grade

Outlet Structure

40 LF 18" CL-III RCP @ 20.0% Grade

12 LF 24" CL-III RCP @ 1.00% Grade

Grate Inlet Rim:599.94 IN:596.94 OUT:593.12

Proposed Building
30 Parking Stalls
FFE:603.60

166 LF 18" CL-III RCP @ 1.12% Grade

Grate Inlet Rim:601.80 FL:598.80

Proposed Building
33 Parking Stalls
FFE:603.60

SANITARY SEWER MANHOLE
RIM=601.16
FL=591.72 (I)
FL=591.63 (O)
FL=591.72 (LAT)

SANITARY SEWER MANHOLE
RIM=602.71
FL=591.61 (O)

PK NAIL CONTROL
N:1266941.5000
E:2211861.3100
Z:602.0200

EXISTING 5/8" REBAR

N 22°54'50" W 4.68'

Corporate Woods Drive

N 21°05'25" E 210.71'

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This shall include notifying all utility companies and contacting Alabama One Call (811 or 1-800-292-8525). Additional measures, including exploratory hand excavation, may be required to determine the exact locations of utilities.

0 10 20 40 80

SCALE: 1" = 20'

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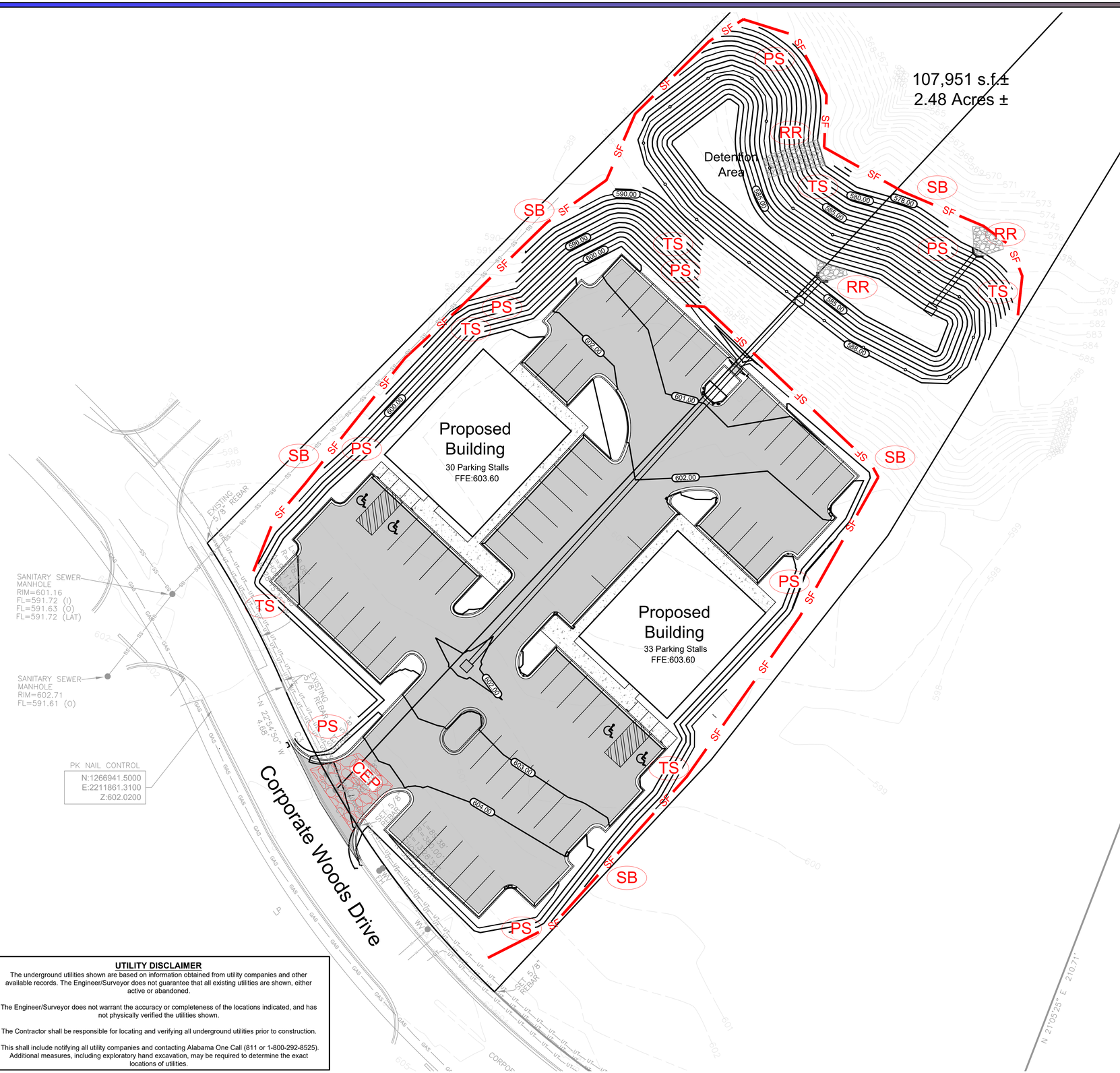
Project #
24-0322

Drawing Date:
April 16, 2026

Revision(s) Date:

Sheet Title:
Drainage Plan

Drawing:
C4.0



Construction Sequence for Erosion Control

1. Contractor shall prepare and submit a CBMPP and obtain a land disturbance permit from appropriate authority. Plan shall meet all requirements of the Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas.
2. Prior to clearing site, contractor shall begin by installing construction drive and all perimeter silt fences.
3. All existing streams shall be protected from silt and erosion by installation of measures such as silt fences, hay bales, & temporary sediment basins.
4. Contractor may now begin clearing, grubbing and other earthwork operations on the site.
5. Water from the site shall be directed to temporary sediment areas at locations determined by the qualified credentialed professional prior to being released to the stream.
6. Areas not to receive paving, sidewalks or building exposed at grade or near grade shall be provided with ground cover, materials, devices or structures sufficient to restrain erosion within 14 days of completing grading activities. Temporary grassing or permanent grassing shall be installed to mitigate the effects of rain on the subgrade or finished grade.
7. Once all land disturbance has been completed and all disturbed areas are stabilized, contractor to notify permitting authority for final inspection of site.

LEGEND

SB	SEDIMENT BARRIER FENCE TYPE 'A' - SEE DETAILS
PS	PERMANENTLY SEED OR SOD ALL DISTURBED AREAS
CEP	CONSTRUCTION EXIT PAD
DC	DUST CONTROL AS REQUIRED
WIP	WATTLE INLET PROTECTION
TS	TEMPORARY SEEDING
CD	HAYBALE CHECK DAM
RR	ROCK RIP RAP OUTLET PAD

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0 10 20 40 80

SCALE: 1" = 20'

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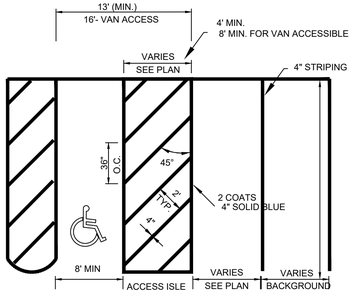
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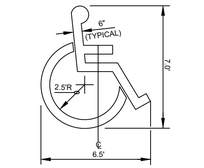
Drawing Date: April 16, 2026

Revision(s) Date:

Sheet Title: CBMP Plan

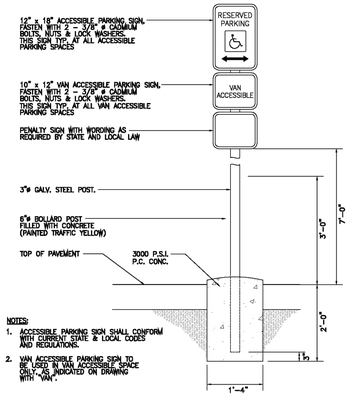
Drawing: C5.0





ACCESSIBLE PARKING SYMBOL

LOCATE AT EDGE OF PARKING SPACE UNLESS ACCOMPANIED BY "VAN" LETTERING



NOTES:

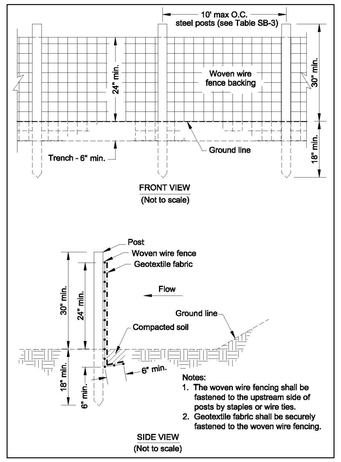
1. SEE SITE PLAN FOR LAYOUT AND LOCATION
2. THESE DETAILS ARE FOR REFERENCE AND DIMENSION CONTROL ONLY
3. ALL DIMENSIONS ARE TO ℄ OF STRIPE UNLESS OTHERWISE INDICATED
4. 2% MAXIMUM SLOPE IN ALL DIRECTIONS WITHIN THE ACCESSIBLE SPACE & ACCESS AISLE

NOTES:

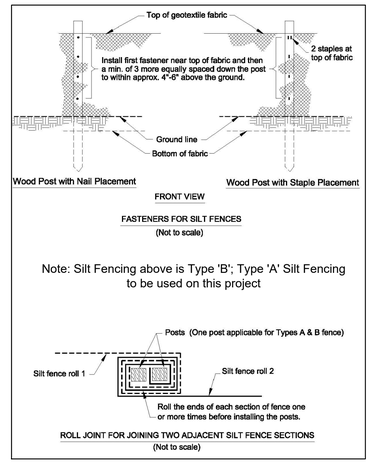
1. ACCESSIBLE PARKING SIGN SHALL CONFORM WITH CURRENT STATE & LOCAL CODES AND REGULATIONS.
2. VAN ACCESSIBLE PARKING SIGN TO BE USED IN VAN ACCESSIBLE SPACE ONLY--AS INDICATED ON DRAWING WITH "VAN".

SIGNING & STRIPING DETAIL

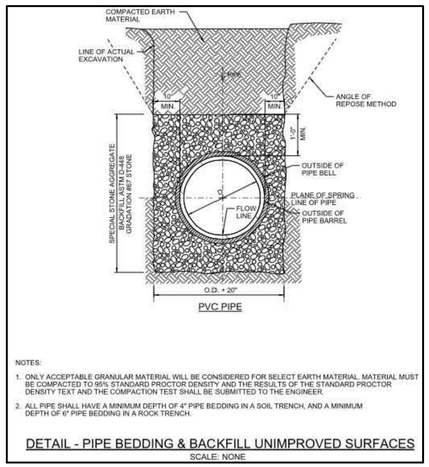
N.T.S.



Sediment Barrier Fence Type 'A'



Sediment Barrier Fence Installation Detail

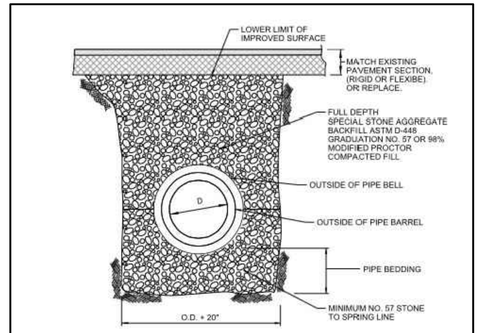


NOTES:

1. ONLY ACCEPTABLE GRANULAR MATERIAL WILL BE CONSIDERED FOR SELECT EARTH MATERIAL. MATERIAL MUST BE COMPACTED TO 95% STANDARD PROCTOR DENSITY AND THE RESULTS OF THE STANDARD PROCTOR DENSITY TEXT AND THE COMPACTION TEST SHALL BE SUBMITTED TO THE ENGINEER.
2. ALL PIPE SHALL HAVE A MINIMUM DEPTH OF 4" PIPE BEDDING IN A SOIL TRENCH, AND A MINIMUM DEPTH OF 6" PIPE BEDDING IN A ROCK TRENCH.

DETAIL - PIPE BEDDING & BACKFILL UNIMPROVED SURFACES

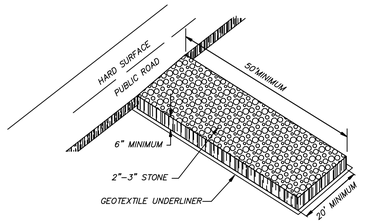
SCALE: NONE



1. TRENCH CONFIGURATION SHOWN DEPICTS THE USE "TRENCHWALL SHORING" METHOD, WHICH SHALL BE USED UNDER ALL PAVED AREAS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL REFER TO APPLICABLE "O.S.H.A. REGULATIONS FOR "OPEN TRENCH EXCAVATIONS".

DETAIL - PIPE BEDDING & BACKFILL UNDER PAVEMENT

SCALE: NONE

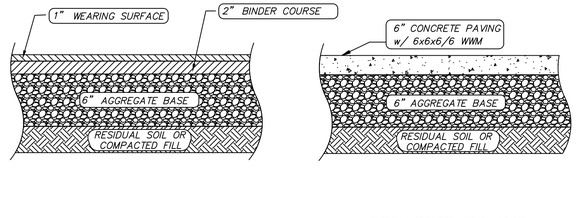


CONSTRUCTION EXIT PAD

N.T.S.

NOTES

1. A STABALIZED PAD OF CRUSHED STONE SHALL BE LOCATED WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC STREET.
2. STONE TO BE NO. 4 COARSE AGGREGATE (PER A.D.O.T. SPEC #801)
3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
4. ALL SEDIMENT SPILLED DROPPED WASHED OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY.
5. WHEN NECESSARY WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.
6. FILTER FABRIC SHALL BE MIRAFI 500X OR CONTECH C200 OR APPROVED EQUAL.



STANDARD DUTY PAVING

N.T.S.

CONCRETE PAVING

N.T.S.

PAVING SPECIFICATION

CRUSHED STONE BASE SHOULD BE COMPACTED TO 100 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR COMPACTION TEST (ASTM 1557, METHOD D).

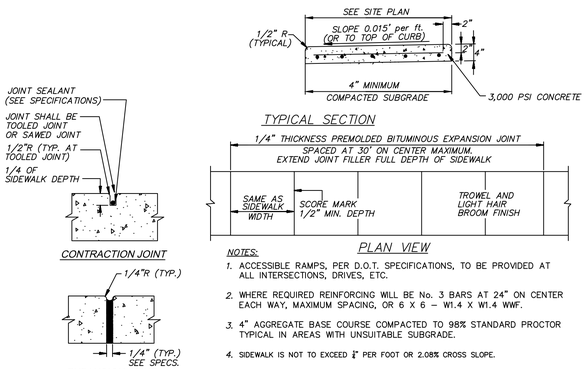
CRUSHED STONE AGGREGATE SHOULD MEET OR EXCEED REQUIREMENTS OF SECTION 825, TYPE B OF THE STATE OF ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

BITUMINOUS CONCRETE BINDER COURSE SHALL MEET OR EXCEED THE REQUIREMENTS OF SECTION 414 FOR BITUMINOUS CONCRETE BINDER (MIX 1) OF ALABAMA DEPARTMENT OF TRANSPORTAION.

BITUMINOUS CONCRETE WEARING COURSE SHALL MEET OR EXCEED THE REQUIREMENTS OF SECTION 416 FOR BITUMINOUS CONCRETE WEARING COURSE MIX (MIX 1) OF ALABAMA DEPARTMENT OF TRANSPORTATION.

PAVEMENT DESIGN IS BASED ON A 20 YEAR PAVEMENT LIFE, CALIFORNIA BEARING RATIO (CBR) VALUE OF 5, AND SUBGRADE MODULUS (k) OF 125 PSI/INCH. SUBGRADE SHOULD MEET THESE REQUIREMENTS AS A MINIMUM.

THIS PAVEMENT DETAIL IS PROVIDED FOR REFERENCE AND PERMITTING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY DESIGN DETAIL WITH A GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION.

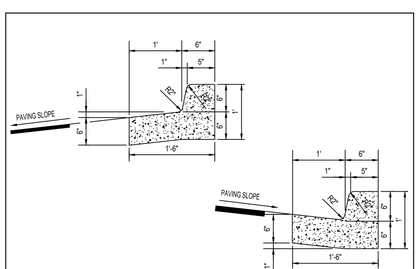


NOTES:

1. ACCESSIBLE RAMPS, PER D.O.T. SPECIFICATIONS, TO BE PROVIDED AT ALL INTERSECTIONS, DRIVES, ETC.
2. WHERE REQUIRED REINFORCING WILL BE No. 3 BARS AT 24" ON CENTER EACH WAY, MAXIMUM SPACING, OR 6 X 6 – W1.4 X W1.4 WWF.
3. 4" AGGREGATE BASE COURSE COMPACTED TO 98% STANDARD PROCTOR TYPICAL IN AREAS WITH UNSUITABLE SUBGRADE.
4. SIDEWALK IS NOT TO EXCEED ½" PER FOOT OR 2.08% CROSS SLOPE.

CONCRETE SIDEWALK ALONG ROADWAY/DRIVE

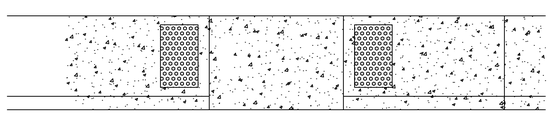
N.T.S.



NOTES:
1. SLOPE GUTTER AS SHOWN ACCORDING TO PAVING SLOPE. THIS SLOPE SHALL NOT EXCEED 5% TO COMPLY WITH ADA REQUIREMENTS AT ANY HANDICAP RAMP
2. 3/4" EXPANSION JOINT REQUIRED AT P.C.'S AND P.T.'S OF ALL CURVES, AT STRUCTURES (CURB INLETS, WHEELCHAIR RAMPS, ETC.) AND EVERY 100' MAX. WITH FILLER MATERIAL.
3. 3/16" SAWED JOINTS REQUIRED ON 20' INTERVALS.
4. 3,000 PSI CONCRETE UNLESS STATED OTHERWISE.

18" Curb & Gutter

N.T.S.



INLINE HANDICAP RAMP

Forty•4 Engineering Design
1703 McConnell Lane
Mount Olive, AL 35117
P: 205.876.4335
fortydot4.com

ALABAMA LICENSED BRYAN S. PRESNELL No. 37017 PROFESSIONAL ENGINEER
4/16/2026

Liberty Park Dental

3730 & 3740 Corporate Woods Dr
Vestavia Hills, AL 35242
Being situated in Section 12, Township 18 South, Range 2 West
Jefferson County, Alabama

Project #
24-0322

Drawing Date:
April 16, 2026

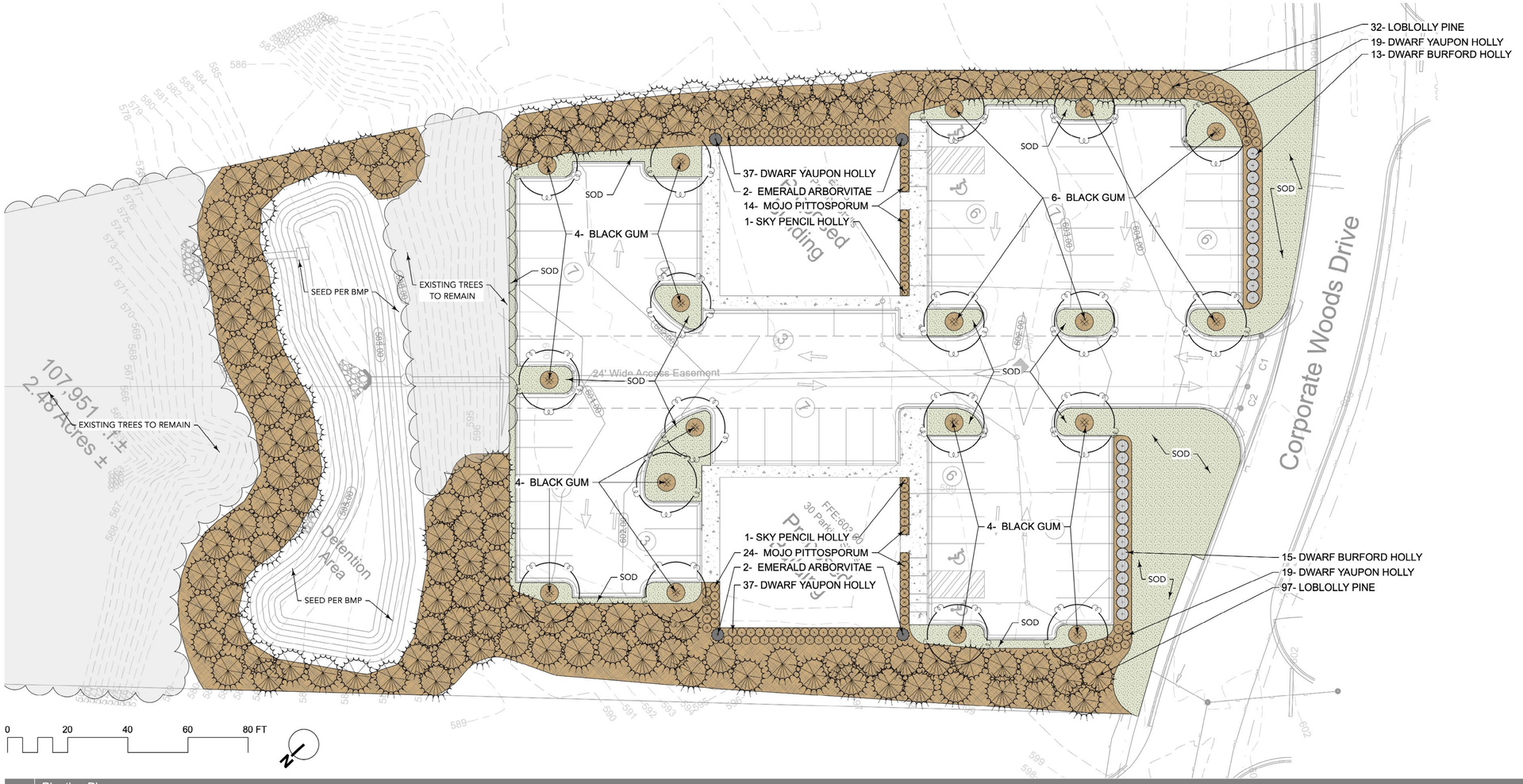
Revision(s) Date:

Sheet Title:
Construction Details

Drawing:
C6.0

LIBERTY PARK DENTAL PLANT MATERIALS SCHEDULE

Count	Scientific Name	Common Name	Size	Spacing	Root	Remarks
	Trees					
129	Pinus taeda	Loblolly Pine	5 Gal.	As Indicated	Cont.	Full Plant
18	Nyssa sylvatica	Black Gum	3" cal.	As Indicated	B&B	Full Head, Strong Central Leader
	Shrubs					
4	Thuja occidentalis 'Smaragd'	Emerald Arborvitae	3- 4' ht.	4' o.c.	Cont.	Full plant
112	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	15- 18" sp.	3' o.c.	Cont.	Full Plant
38	Pittosporum tobira 'CNI Three' PP16188	Mojo Pittosporum	15- 18" sp.	3' o.c.	Cont.	Full Plant
28	Ilex cornuta 'Burfordii Nana'	Dwarf Burford Holly	24- 30" ht.	4' o.c.	Cont.	Full Plant
2	Ilex crenata 'Sky Pencil'	Sky Pencil Holly	24- 30" ht.	2' o.c.	Cont.	Full Plant
	Miscellaneous					
SOD	Cynodon dactylon '419'	Bermuda Sod		Solid Sod		Solid sod



1 **Planting Plan**
Scale: 1" = 20'-0"

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Environmental Design Studio
Landscape Architecture
Site Planning
phone: 205.585.8414
environmentaldesignstudio.com

STATE OF ALABAMA
DUANE R. PRITCHETT
NUMBER 418
REGISTERED LANDSCAPE ARCHITECT

Forty4 Engineering
Liberty Park Dental
3730 & 3740 Corporate Woods Drive, Liberty Park, Vestavia Hills, Alabama

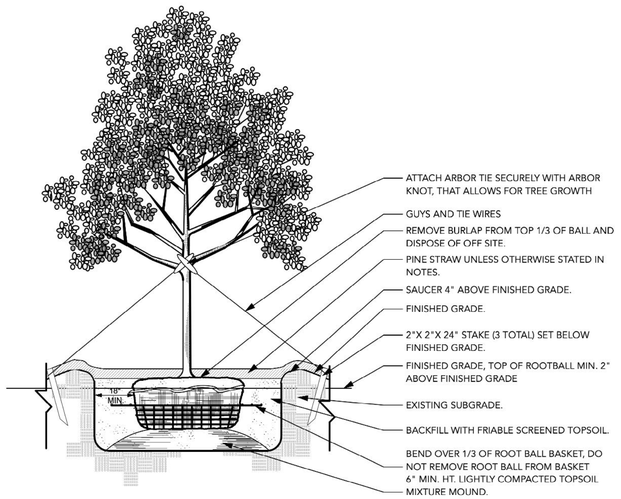
REVISIONS

DATE: 4/15/26
SCALE: Scale
PROJECT MANAGER: Duane Pritchett
DRAWN: drp
REVIEWED: drp
PROJECT NO:

SHEET TITLE :
Liberty Park Dental
Planting Plan

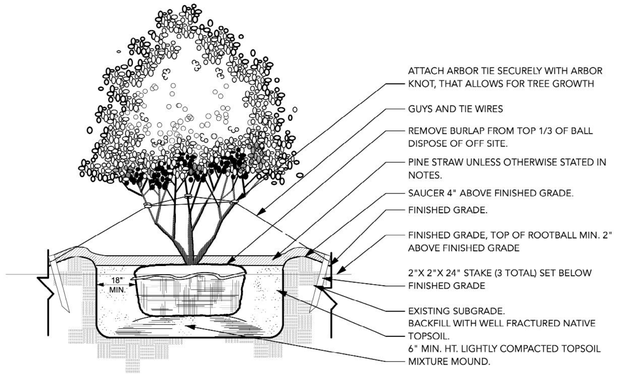
SHEET NUMBER:
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SEQUENCE: 1 of 2



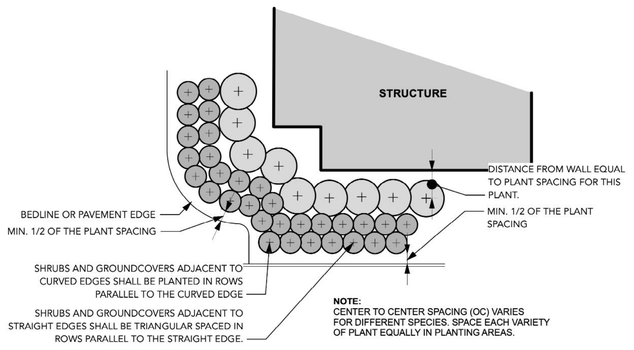
NOTE:
• STAKE AND GUY TREES IN WIND-PRONE AREAS.
• ROOT FLARES SHOULD BE NO LESS THAN 1" ABOVE EXISTING GRADE AFTER SETTLEMENT.

1 B&B Tree Planting Detail
Scale: Actual Size



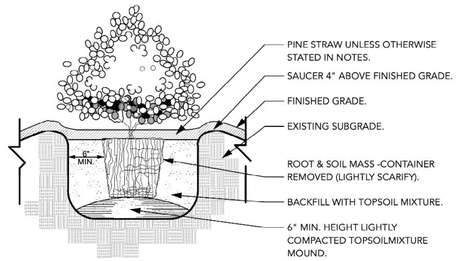
NOTE:
• STAKE AND GUY TREES IN WIND-PRONE AREAS.
• BRANCH AND INTERCONNECT MAIN STEMS WITH ARBOR TIES (OR EQUAL) AS SHOWN.
• ROOT FLARES SHOULD BE NO LESS THAN 1" ABOVE EXISTING GRADE AFTER SETTLEMENT.

2 Multi-Trunk Tree Planting Detail
Scale: Actual Size

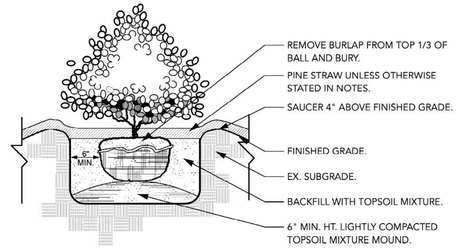


NOTE:
CENTER TO CENTER SPACING (OC) VARIES FOR DIFFERENT SPECIES. SPACE EACH VARIETY OF PLANT EQUALLY IN PLANTING AREAS.

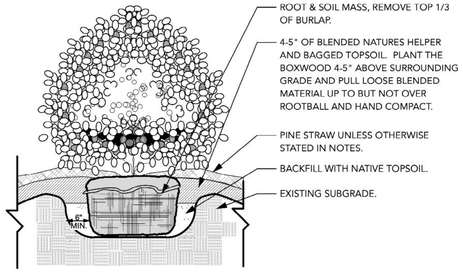
9 Typical Plant Layout Detail
Scale: Actual Size



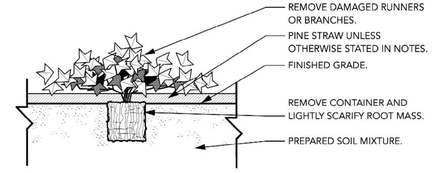
3 Container Shrub Planting Detail
Scale: Actual Size



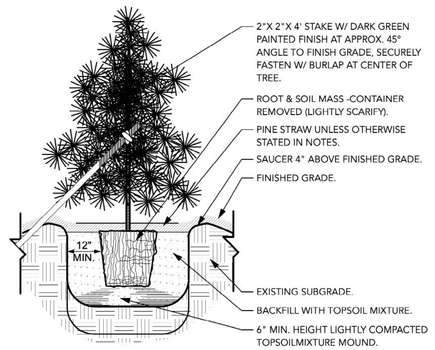
4 B&B Shrub Planting Detail
Scale: Actual Size



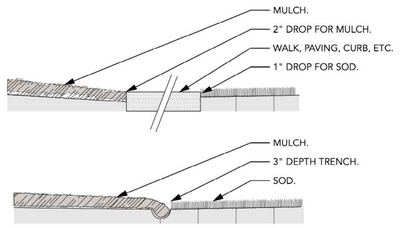
5 Boxwood Planting Detail
Scale: Actual Size



6 Groundcover Planting Detail
Scale: Actual Size



7 Liner Pine Planting Detail
Scale: Actual Size



8 Edging Detail
Scale: Actual Size

LIST OF APPROVED NURSERIES:

HUNTER TREES, LLC

Toll Free:	1-866-348-6837
Fax:	1-866-TREEFAX
Sales:	sales@huntertrees.com
Mailing Address:	P.O. Box 382733 Birmingham, Alabama 35238-2733
Physical Address:	700 Indian Valley Road Alpine, Alabama 35014

BOLD SPRINGS NURSERY, INC.

Office:	(770) 267-9196
Fax:	(770) 267-8803
Sales:	boldspring@mindspring.com
Physical:	3920 Bold Springs Rd.
Address	Monroe, Georgia 30656

TOTALSCAPE FARMS

Office:	(205) 422-7577
Fax:	(205) 481-8937
Sales:	don@totalscapefarms.com
Physical Address:	216 1st St N Bessemer, Alabama 35020

SELECT TREES, INC

Phone:	(706) 769-9879
Fax:	(706) 769-4528
Sales:	sales@selecttrees.com
Physical Address:	1900 Cole Springs Rd. Bishop, Georgia 30621

PLANTATION TREE COMPANY

Toll Free:	1-800-848-5064
Telephone:	(334) 875-9176
Cell:	(334) 313-2063
Fax:	(334) 872-9621
Physical:	120 County Rd. 15 South
Address	Selma, Alabama 36703

GREEN VALLEY FARMS

Phone:	(205) 665-1355
sales:	jeremygvf@gmail.com
Physical Address:	12975 Highway 17 Montevallo, Alabama 35115-8730

ADDITIONAL NURSERIES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.

GENERAL PLANTING NOTES

1. CONTRACTOR SHALL HAVE FULL SIZE DRAWINGS ON SITE AT ALL TIMES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITE INSPECTION PRIOR TO LANDSCAPE CONSTRUCTION AND INSTALLATION IN ORDER TO ACQUAINT HIMSELF WITH EXISTING CONDITIONS. CONTRACTOR SHALL, FOR HIS OWN PROTECTION, BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING CONSTRUCTION.
3. DUE TO MODIFICATIONS MADE DURING CONSTRUCTION, SITE CONDITIONS MAY VARY FROM THOSE SHOWN. CONTRACTOR TO VERIFY ALL SUCH CONDITIONS TO HIS SATISFACTION. NO CHANGE IN CONTRACT PRICE WILL BE GRANTED FOR FAILURE TO OBSERVE THIS REQUIREMENT.
4. CONTRACTOR TO VERIFY ALL PLANT MATERIAL QUANTITIES AND PLANTING AREA DIMENSIONS PRIOR TO BEGINNING PLANTING. PROVIDE QUANTITIES AS REQUIRED TO MEET DESIGN INTENT AND REPORT ANY DIFFERENCES.
5. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL OR WORK CONSTRUCTED OR IMPLIED BY THESE PLANS, AT ANY TIME THROUGHOUT THE PROJECT.
6. CONTRACTOR SHALL STAKE TREE LOCATIONS AND LAY OUT BEDLINES 48 HOURS PRIOR TO PLANTING AND NOTIFY LANDSCAPE ARCHITECT FOR REVIEW. A MINIMUM 24 HOUR NOTICE SHOULD BE GIVEN AND ANTICIPATED BY THE CONTRACTOR FOR THIS REVIEW.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 2% SLOPE OR GREATER IN ALL PLANT AREAS.
8. CLEANUP AND DISPOSE OF OFF OWNER'S PROPERTY ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS FOLLOWING COMPLETION AND LEAVE NEAT, CLEAN AND READY FOR OWNER'S USE.
9. CONTRACTOR SHALL GUARANTEE ALL WORK AND PLANT MATERIAL, INCLUDING SEED AND/OR SOD, FOR ONE FULL YEAR FROM DATE OF FINAL ACCEPTANCE.
10. ALL SHRUB AREAS SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 6". ALL TURF (SEEDED OR SODDED) AREAS SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 3", UNLESS SPECIFIED OTHERWISE IN THE PLANS.
11. ALL TURF (SEEDED OR SODDED) AREAS SHALL HAVE SOIL TESTED BY TESTING LAB. FERTILIZER AND LIME APPLICATION REGIME SHALL BE DEVELOPED AND FOLLOWED PER LANDSCAPE ARCHITECT REVIEW.
12. ALL PLANTING BEDS AND TREE PITS SHALL BE MULCHED WITH A 3" SETTLED LAYER OF PINE STRAW MULCH.
13. PLANTS SHALL BE WELL FORMED, VIGOROUS GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM INJURY, INSECTS, AND DISEASES. PLANTS SHALL EQUAL OR SURPASS QUALITY AS DEFINED IN THE CURRENT ISSUE OF "AMERICAN STANDARDS FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERYMEN, INC.
14. ALL PLANT MATERIAL SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN. ALL SHRUBS, TREES, AND GROUNDCOVERS SHALL BE PLANTED WITH A SOIL MIXTURE CONSISTING OF 50% TOPSOIL AND 50% ORGANIC MATERIAL.
15. ALL TREES AND SPECIMEN PLANT MATERIAL SHALL BE LOCATED BY THE CONTRACTOR AT APPROVED NURSERIES OR THEIR EQUAL WHICH MUST BE APPROVED PRIOR TO BIDDING.
16. FRONT ROW OF SHRUBS SHALL BE PLANTED MINIMUM 24" BEHIND BEDLINE AT LAWNS, WALKS, AND BACK OF CURB AT PARKING SPACES.
17. BACK ROW OF SHRUB PLANTING SHALL BE PLANTED 36" OFF FACE OF BUILDING WALL, GROUNDCOVERS SHALL BE PLANTED MINIMUM 12" OUT FROM BUILDING.
18. EXCAVATE EDGE OF ALL PLANTING BEDS TO 4" DEPTH TO FORM A NEAT, CRISP EDGE.
19. SEASONAL COLOR SHALL BE PLANTED IN A FLOWERING STATE.
20. REMOVE ALL GUY WIRES AND STAKES AT END OF GUARANTEE PERIOD.
21. AMEND ALL PLANTING HOLES AT TIME OF PLANTING WITH AGRIFORM FERTILIZATION TABLETS AT THE RATE RECOMMENDED BY THE MANUFACTURER.
22. PINESTRAW ALL DISTURBED AREAS NOT OTHERWISE NOTED.
23. CONTRACTOR SHALL PROVIDE 12 MONTH WARRANTY FOR ALL WORK AND MATERIALS.
24. SHRUB TO BEAR SAME RELATION TO FINISHED GRADE AFTER SETTLEMENT AS IT BORE TO PREVIOUS GRADE.
25. THE CONTRACTOR SHALL PROVIDE STRAW MULCH, WATER, STRAW MAT OR HYDROSEED MULCH AS REQUIRED TO PROVIDE SOLID STAND OF GRASS, IN AREAS TO BE SEEDED.
26. INSTALL LEBANON TURF, ROOTS, TERRA-SORB MEDIUM. TREE AND SHRUB PLANTING: MIX ROOTS TERRA-SORB EVENLY WITH THE BACKFILL SOIL AT A RATE OF 2 OUNCES (BY WEIGHT) PER INCH CALIPER FOR BALLED AND BURLAPPED TREES AND SHRUBS, OR 1 OUNCE (BY WEIGHT) PER 5 GALLONS FOR CONTAINERIZED TREES AND SHRUBS. SEE MANUFACTURER'S INSTRUCTIONS.

IRRIGATION NOTES:

1. VERIFY REQUIRED PRESSURE PRIOR TO CONSTRUCTION. INCLUDE PRESSURE COMPENSATING HEADS, VALVES AND/OR REGULATOR AS NECESSARY.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE POWER SUPPLY REQUIREMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE DESIGN/BUILD IRRIGATION SYSTEM INCLUDING TAP, FEES, PIPE, HEADS, CONTROLLER, ETC.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL SLEEVING AS REQUIRED PER SITE CONDITIONS.
5. IRRIGATION SYSTEM SHALL BE COVERED UNDER A ONE YEAR WARRANTY.
6. PROVIDE ALL LABOR, MATERIALS, APPLIANCES, EQUIPMENT, SERVICES AND INCIDENTALS NECESSARY FOR FURNISHING, INSTALLING AND TESTING, COMPLETE AND READY FOR OPERATION, IN A MANNER SATISFACTORY TO THE OWNER, THE IRRIGATION SYSTEM REQUIRED BY THE DRAWINGS.
7. LAY OUT IRRIGATION HEADS FOR EACH STATION PRIOR TO PLACEMENT TO ENSURE INDIVIDUAL PLANTING AREA COVERAGE. NOTIFY LANDSCAPE ARCHITECT FOR VERIFICATION OF LAYOUT.
8. LAY MAIN PIPE RUN TO A DEPTH OF 18" MINIMUM FROM FINISH GRADE AND LATERALS TO A DEPTH OF 12" MINIMUM.
9. ALL IRRIGATION SHALL BE ADJUSTED AS REQUIRED TO SERVE NEW PLANTINGS, AND ANNUALS EACH SHALL BE PROVIDED WITH THEIR OWN ZONE, SOD, SHRUBS, AND GROUNDCOVER SHALL BE ON SEPARATE ZONES.
10. DUE TO MODIFICATIONS MADE DURING CONSTRUCTION, SITE CONDITIONS MAY VARY FROM THOSE SHOWN. VERIFY ALL SUCH CONDITIONS AS WELL AS THE PRESENCE AND LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NO CHANGE IN CONTRACT PRICE WILL BE GRANTED FOR FAILURE TO OBSERVE THIS REQUIREMENT.
11. COORDINATE THE LOCATION OF THE CONTROLLER WITH THE OWNER.
12. CONTROL WIRING: SPRINKLER WIRE, NO. 14 UF; SINGLE, SOLID, COPPER CONDUCTOR.
13. CONNECTION TO WATER LINE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
14. CLEANUP AND DISPOSE OF OFF OWNER'S PROPERTY ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS FOLLOWING COMPLETION AND LEAVE NEAT, CLEAN AND READY FOR OWNER'S USE.
15. ALL WORK WILL CONFORM TO CODES AND REGULATIONS ISSUED BY ANY GOVERNING AUTHORITIES. OBTAIN ALL PERMITS, LICENSES, ETC. REQUIRED FOR EXECUTION OF WORK.
16. ALL IRRIGATION SHALL BE IN PERFECT WORKING ORDER AND LIKE NEW CONDITION AT CLOSE OF CONSTRUCTION.
17. ALL IRRIGATION HEADS IN SHRUB BEDS ARE TO BE 12" POP-UPS. HEADS LOCATED IN SOD AREAS ARE TO BE 4" POP-UPS.

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Landscape Architecture
Site Planning
phone: 205.585.8414
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STATE OF ALABAMA
DUANE R. PRITCHETT
NUMBER 418
REGISTERED LANDSCAPE ARCHITECT

Forty4 Engineering
Liberty Park Dental
3730 & 3740 Corporate Woods Drive, Liberty Park, Vestavia Hills, Alabama

REVISIONS

DATE: 4/15/26
SCALE: Scale
PROJECT MANAGER: Duane Pritchett
DRAWN: drp
REVIEWED: drp
PROJECT NO:

SHEET TITLE :
Planting Details

SHEET NUMBER:
L-2.0

SEQUENCE: 2 of 2

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Liberty Park Children's Dentistry

3740 CORPORATE WOODS DRIVE, VESTAVIA HILLS, AL 35242

PROJECT TEAM

OWNER
ATC HOLDINGS LLC
3304 MARLBORO DR
BIRMINGHAM, AL 35223
PROJECT CONTACT: DR. QUYEN YING
EMAIL: qvying@gmail.com

GENERAL CONTRACTOR
RYAN FREEMAN INC.
6047 OLD LEEDS RD
IRONDALE, AL 35210
PROJECT CONTACT: RYAN FREEMAN
EMAIL: ryan@rfibuilders.com
PHONE: 205-568-8646

ARCHITECT
MONUMENT LLC
4236 WILDERNESS RD.
MOUNTAIN BROOK, AL 35213
PROJECT CONTACT: SAM FOSTER
EMAIL: sam@monument.studio
PHONE: 205-213-5529

CIVIL & LANDSCAPE ARCHITECTURE
(UNDER SEPARATE COVER - OUTSIDE OF ARCHITECT'S SCOPE)
FORTY 4 ENGINEERING DESIGN
1703 MCCONNELL LANE
MOUNT OLIVE, AL 35117
PROJECT CONTACT: BRYAN PRESSNELL
EMAIL: bryan@fortydot4.com
PHONE: 205-876-4335

DRAWING LIST

ARCHITECTURAL

A000	COVER SHEET
A002	LIFE SAFETY PLAN & CODE ANALYSIS
A100	ARCHITECTURAL SITE PLAN
A101	FLOOR PLANS
A201	EXTERIOR ELEVATIONS
A301	BUILDING SECTIONS



LIBERTY PARK CHILDREN'S DENTISTRY

FRONT ENTRY PERSPECTIVE VIEW
4/17/2026

NOTE: THIS IS AN ARTISTIC REPRESENTATION ONLY. PLEASE REFER TO THE FINAL ARCHITECTURAL AND ENGINEERING DOCUMENTS FOR SPECIFIC DETAILS OF THE BUILDING'S CONSTRUCTION AND MATERIALITY.

CONSTRUCTION DOCUMENTS PROGRESS

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(205) 213-5712

Liberty Park Children's Dentistry
3740 CORPORATE WOODS DRIVE, VESTAVIA HILLS, AL 35242

DATE:
4/17/2026

LIBERTY PARK JOINT VENTURE ARC SUBMITTAL

REVISIONS:

#	DESCRIPTION	DATE

PROJECT NUMBER:
25018

SHEET NAME:
COVER SHEET

SHEET NUMBER:
A000

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LIFE SAFETY LEGEND

- 1 HOUR FIRE-RESISTANT PARTITION
- EGRESS PATH OF TRAVEL
- COMMON PATH
- EXIT SIGN
- EMERGENCY LIGHTING
- FEC — FIRE EXTINGUISHER

CODE ANALYSIS

2021 INTERNATIONAL BUILDING CODE (IBC)

DESCRIPTION OF THE WORK: NEW CONSTRUCTION PEDIATRIC DENTAL OFFICE

CONSTRUCTION TYPE (TABLE 601): TYPE VB NON-SPRINKLERED

OCCUPANCY GROUP (CHAPTER 3): BUSINESS
LEVEL 1: 2,842 GSF + LEVEL 2: 503 GSF = 3,345 TOTAL GSF

ALLOWABLE HEIGHT (TABLE 504.3): 40 FT
ALLOWABLE NUMBER OF STORIES (TABLE 504.4): 2
ALLOWABLE AREA (TABLE 506.2): 9,000 SF

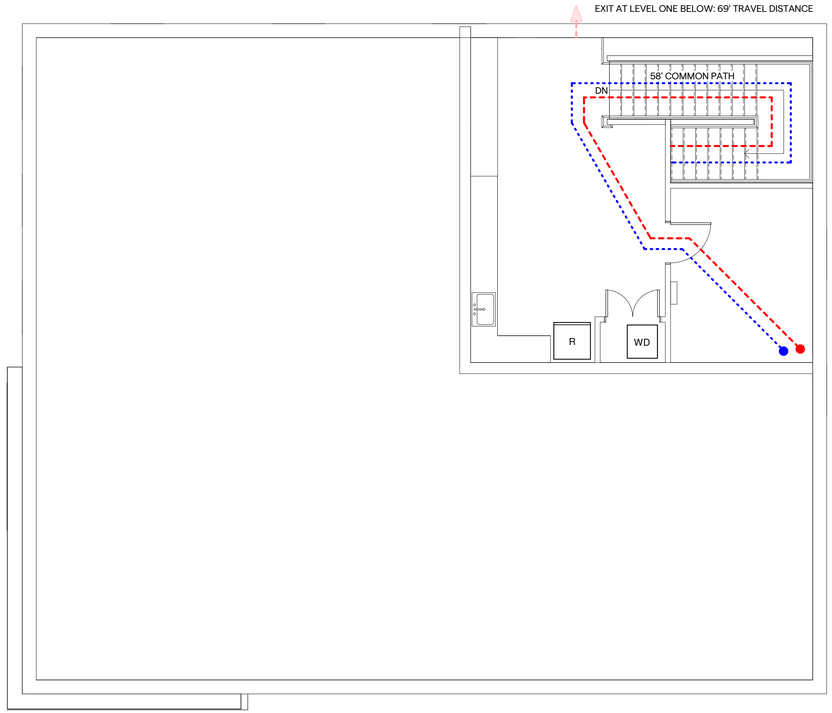
OCCUPANT LOAD (TABLE 1004.5)
LEVEL 1
2,842 SF / 150 GSF PER OCC. = 19 OCCUPANTS
LEVEL 2
503 SF / 150 GSF PER OCC. = 4 OCCUPANTS

TOTAL OCCUPANTS: 23

EGRESS WIDTH REQUIREMENTS (SECTION 1005):
EGRESS DOORS (1005.3.2): 0.2" PER OCCUPANT (23 x 0.2) = 4.6"
STAIRWAYS (1005.3.1): 0.3" PER LEVEL 2 OCCUPANT (4 x 0.3) = 1.2"
MINIMUM CORRIDOR WIDTH (TABLE 1020.2): 44"
MINIMUM CLEAR WIDTH OF A DOOR (SECTION 1010.1.1): 32"

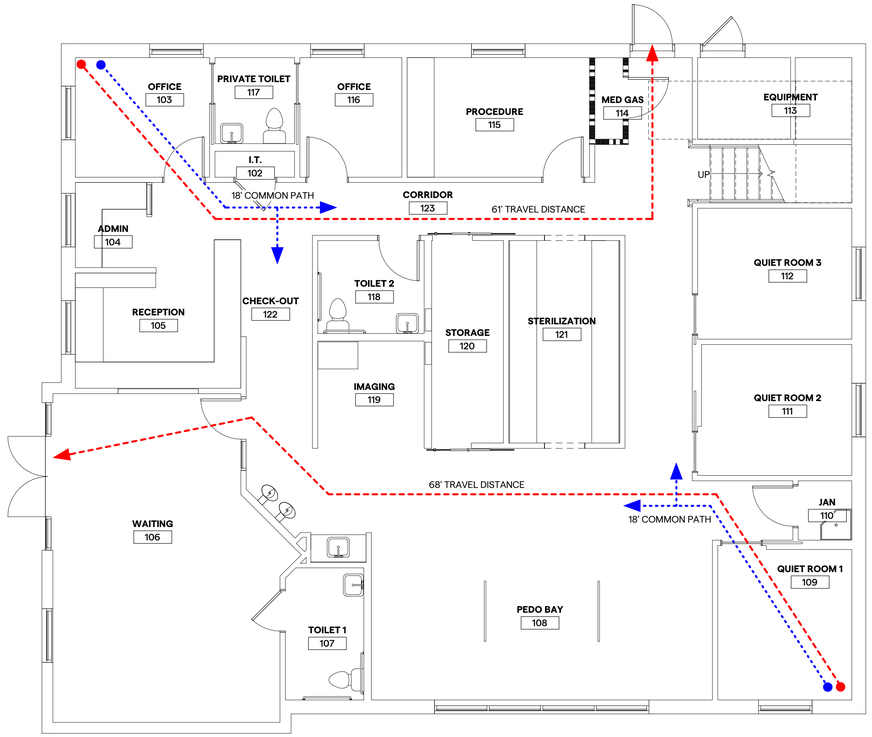
MINIMUM NUMBER OF EXITS (SECTION 1006): 2
TOTAL NUMBER OF EXITS PROVIDED: 2

MAXIMUM TRAVEL DISTANCE (TABLE 1017.2): 200 FT
MAXIMUM COMMON PATH (TABLE 1006.2.1): 75 FT
MAXIMUM DEAD END CORRIDOR (SECTION 1020.5): 20 FT



NORTH

2 LEVEL 2 LIFE SAFETY
3/16" = 1'-0"



NORTH

1 LEVEL 1 LIFE SAFETY
3/16" = 1'-0"

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3740 CORPORATE WOODS DRIVE,
VESTAVIA HILLS, AL 35242

DATE:
4/17/2026

LIBERTY PARK JOINT VENTURE ARC SUBMITTAL

REVISIONS:

#	DESCRIPTION	DATE

PROJECT NUMBER:
25018

SHEET NAME:
LIFE SAFETY PLAN & CODE ANALYSIS

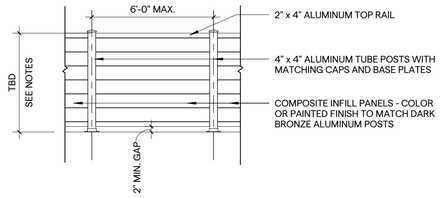
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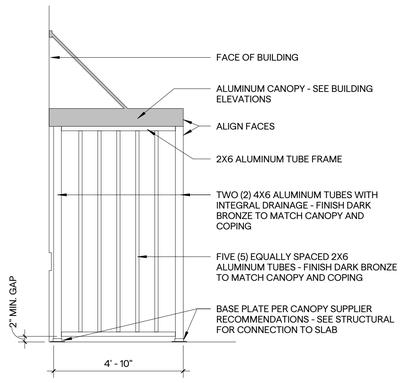


5 MECH. SCREEN FENCING EXAMPLE
3" = 1'-0"

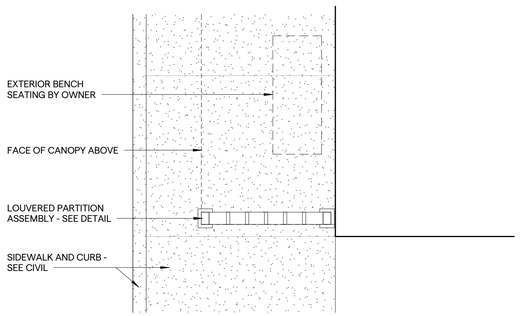


NOTES:
1. ALUMINUM FINISH TO MATCH BUILDING AWNINGS AND COPING.
2. GATE TO MATCH FENCE DESIGN AND FINISHES. COORDINATE REQUIRED WIDTH WITH MECHANICAL CLEARANCE REQUIREMENTS.
3. COORDINATE SCREEN HEIGHT WITH MECHANICAL. EXTERIOR HVAC UNITS ARE TO BE FULLY HIDDEN FROM VIEW - TOP OF SCREEN TO BE 6" MIN. ABOVE TALLEST UNIT.

4 MECHANICAL PAD SCREEN DETAIL
3/8" = 1'-0"



3 EXTERIOR SEATING PARTITION DETAIL
3/8" = 1'-0"



2 EXTERIOR SEATING PLAN DETAIL
3/8" = 1'-0"



NOTE: ARCHITECTURAL SITE PLAN IS FOR REFERENCE ONLY. SEE CIVIL & LANDSCAPE ARCHITECTURE DRAWINGS BY OTHERS FOR FULL SITE PLAN DESIGN INCLUDING PARKING, GRADING/DRAINAGE, PLANTING, ETC.

NORTH

1 ARCHITECTURAL SITE PLAN
1/16" = 1'-0"

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Liberty Park Children's Dentistry

3740 CORPORATE WOODS DRIVE, VESTAVIA HILLS, AL 35242

DATE:
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LIBERTY PARK JOINT VENTURE ARC SUBMITTAL

REVISIONS:

#	DESCRIPTION	DATE

PROJECT NUMBER:
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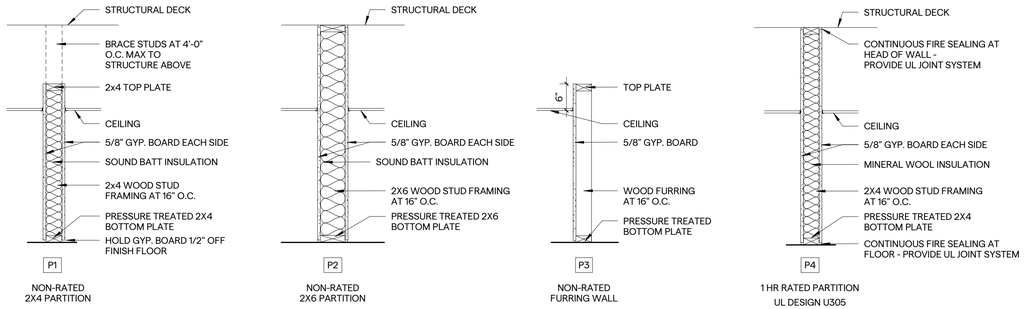
SHEET NAME:
ARCHITECTURAL SITE PLAN

SHEET NUMBER:
A100

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PARTITION SCHEDULE



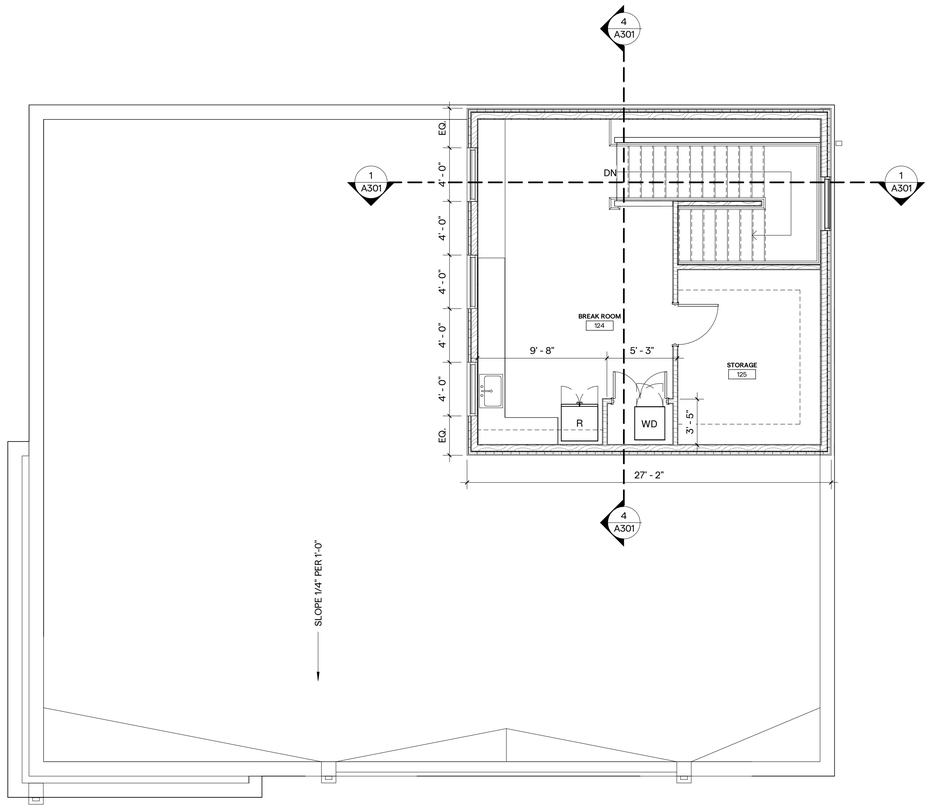
NOTE: EXTEND P1 TO DECK AT RESTROOM PARTITIONS AND WHEN REQUIRED BY PHYSICIST'S REPORT AT IMAGING ROOM

FLOOR PLAN NOTES

1. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
2. ALL LOCATIONS SHOWN TO HAVE WALL CABINETS OR WALL HUNG SHELVING MUST HAVE BLOCKING INSTALLED BY THE GC.
3. ALL GLASS SHOWN TO BE CLEAR TEMPERED, UNLESS OTHERWISE NOTED. GLASS TO HAVE TEMPERED STAMP MARKING CLEARLY VISIBLE IN BOTTOM CORNER.
4. CAULK AT JUNCTURE OF INTERIOR FACES OF DOOR FRAMES, VIEW WINDOW FRAMES, EXTERIOR WINDOW FRAMES, AND CASEWORK WITH ADJACENT MATERIALS EVEN THOUGH JOINT MAY NOT BE VISIBLE.
5. AT PARTIAL HEIGHT WALLS, PROVIDE HEAVY-GAUGE CLIP ANCHOR (SIMPSON RCKW KNEEWALL CONNECTORS) AT EVERY OTHER STUD AND ANCHOR TO CONCRETE SLAB.
6. TYPICAL OFFSET FOR DOORS IS 4" FROM FACE OF FRAMING TO ROUGH OPENING ON HINGE SIDE.
7. WHERE PARTITIONS DO NOT EXTEND TO DECK ABOVE, BRACE TO THE STRUCTURE AT 4'-0" O.C. USE SLIP TRACK AT ALL PARTITIONS THAT DO EXTEND TO ROOF DECK.

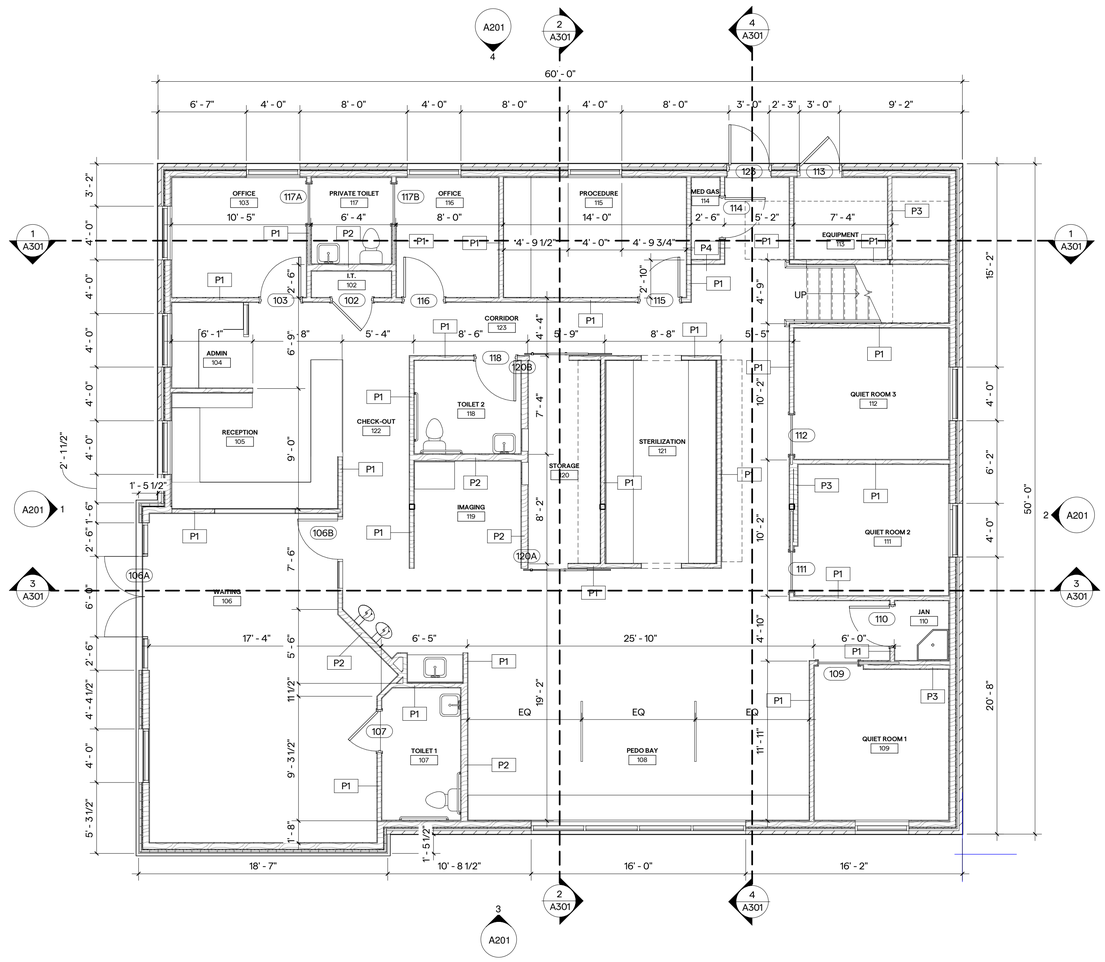
FLOOR PLAN LEGEND

- P12 — PARTITION TYPE - SEE PARTITION SCHEDULE
- 101 — DOOR NUMBER - SEE DOOR SCHEDULE
- A — WINDOW TYPE - SEE WINDOW SCHEDULE



2 LEVEL 2 FLOOR PLAN
3/16" = 1'-0"

NORTH



1 LEVEL 1 FLOOR PLAN
3/16" = 1'-0"

NORTH

Liberty Park Children's Dentistry

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VESTAVIA HILLS, AL 35242

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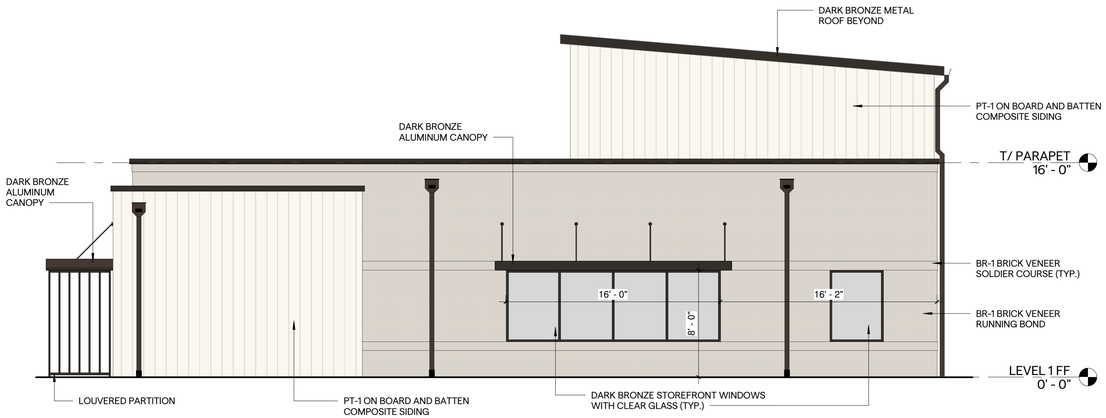
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SHEET NAME:
FLOOR PLANS

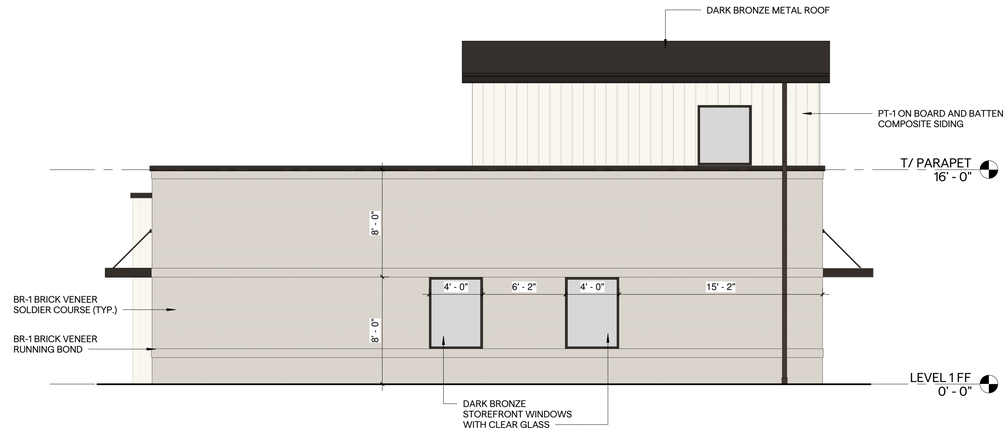
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3 SOUTH EAST ELEVATION
3/16" = 1'-0"



2 NORTH EAST ELEVATION
3/16" = 1'-0"

4 NORTH WEST ELEVATION
3/16" = 1'-0"

1 FRONT ENTRY ELEVATION
3/16" = 1'-0"

EXTERIOR MATERIALS

MASONRY

BR-1 CHEROKEE BRICK COMPANY: GEORGIA CLASSIC COLLECTION, "AUGUSTA" OR SIMILAR
ALTERNATE: PAINTED BRICK, BENJAMIN MOORE "STONE HEARTH" #984

COMPOSITE SIDING

PT-1 JAMES HARDIE BOARD AND BATTEN, PAINTED BENJAMIN MOORE "WHITE DOVE" OC-17

ROOFING & TRIM

PRE-FINISHED DARK BRONZE ALUMINUM EXPOSED FASTENER METAL ROOFING
PRE-FINISHED DARK BRONZE ALUMINUM AT ALL PARAPET CAPS, DOWNSPOUTS, AND GUTTERS
AT FLAT ROOF(NOT VISIBLE FROM GROUND LEVEL): WHITE TPO

CANOPIES

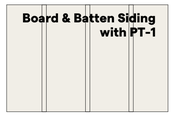
TENNESSEE VALLEY METALS (OR SIMILAR) - DARK BRONZE ALUMINUM

STOREFRONT

ST-1 PRE-FINISHED EXTERIOR ALUMINUM STOREFRONT WITH 1" INSULATED LOW-E GLAZING - DARK BRONZE FINISH



ALTERNATE BR-1 (PAINTED BRICK)







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Liberty Park Children's Dentistry

3740 CORPORATE WOODS DRIVE,
VESTAVIA HILLS, AL 35242

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LIBERTY PARK JOINT VENTURE ARC SUBMITTAL

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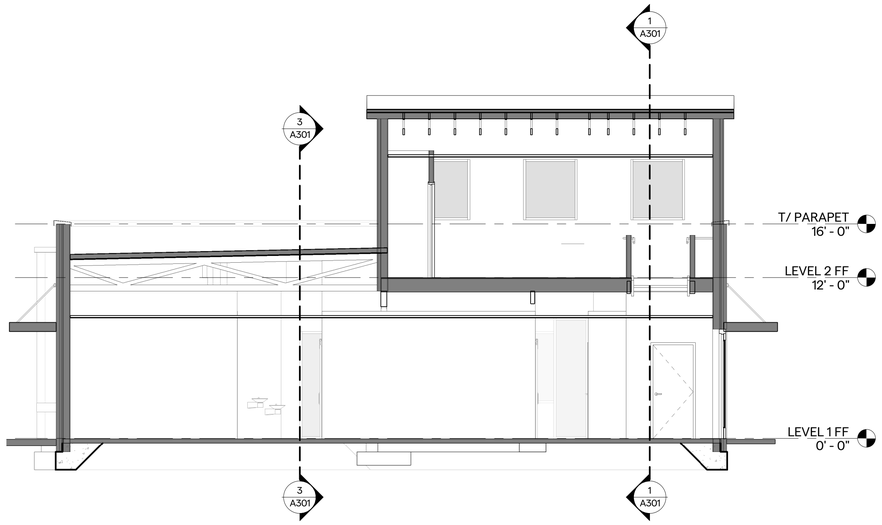
PROJECT NUMBER:
25018

SHEET NAME:
EXTERIOR ELEVATIONS

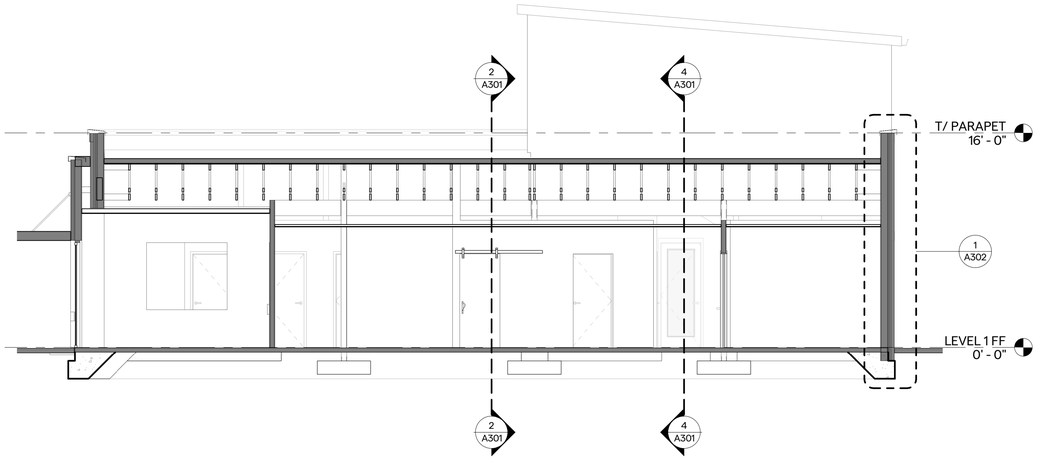
SHEET NUMBER:
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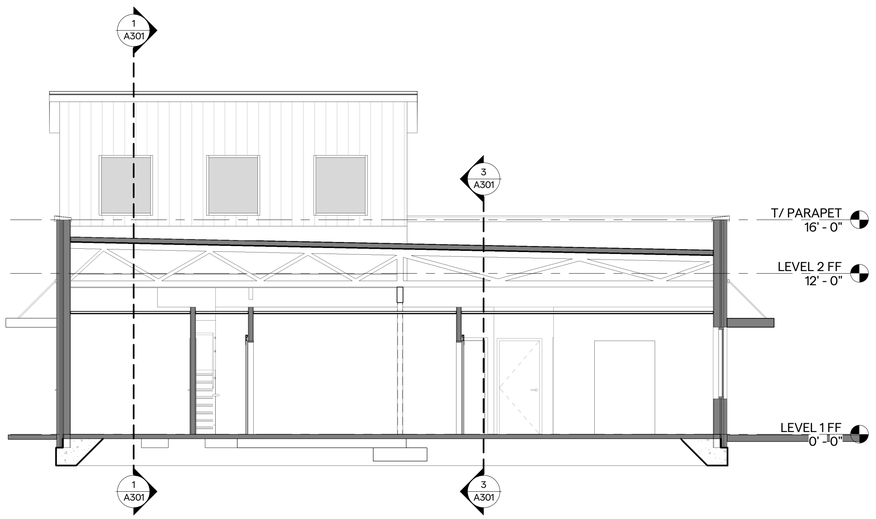
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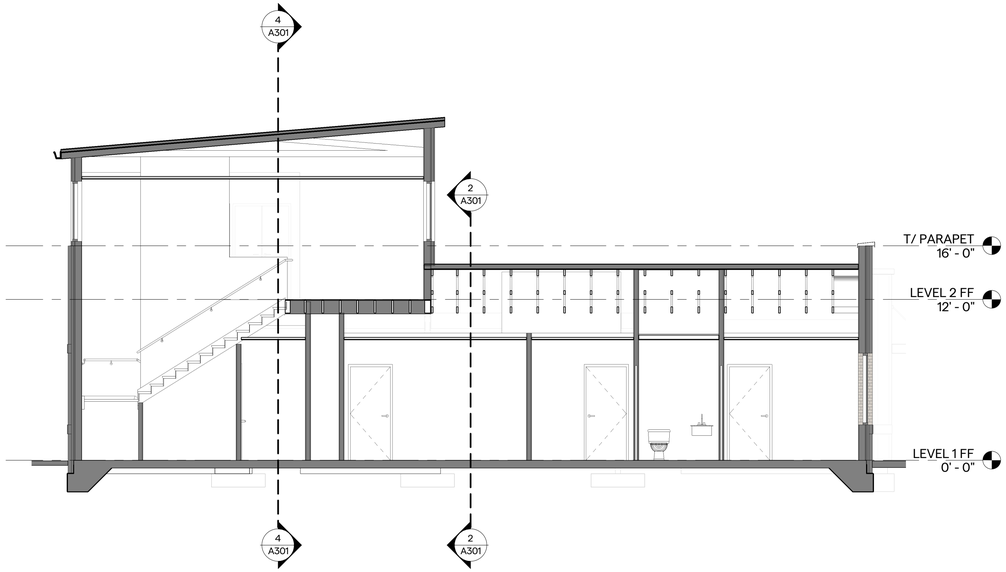
4 BUILDING SECTION D
3/16" = 1'-0"



3 BUILDING SECTION C
3/16" = 1'-0"



2 BUILDING SECTION B
3/16" = 1'-0"



1 BUILDING SECTION A
3/16" = 1'-0"

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Liberty Park Children's Dentistry

3740 CORPORATE WOODS DRIVE,
VESTAVIA HILLS, AL 35242

DATE:
4/17/2026

LIBERTY PARK JOINT VENTURE ARC SUBMITTAL

REVISIONS:

#	DESCRIPTION	DATE

PROJECT NUMBER:
25018

SHEET NAME:
BUILDING SECTIONS

SHEET NUMBER:
A301

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When Recorded Mail to:

Evans & Evans Lawyers, LLC
2001 Park Place North, Suite 540
Birmingham, AL 35203

(Space above this line for Recorder's Use)

STATE OF ALABAMA)
: ***DECLARATION OF EASEMENTS,***
COUNTY OF JEFFERSON) ***COVENANTS, AND RESTRICTIONS***

THIS DECLARATION OF EASEMENTS, COVENANTS, AND RESTRICTIONS (this "Declaration") is made to be effective as of December 11th, 2025 (the "Effective Date"), by and between ***ATC HOLDINGS, LLC***, ("ATC"), an Alabama limited liability company and ***ABENJOA PROPERTIES, LLC***, ("Abenjoa"), an Alabama limited liability company (collectively "Current Owners").

WITNESSETH:

WHEREAS, Abenjoa is the owner of Lot 1G-A-1 ("Lot 1G-A-1") and ATC is the owner of Lot 1G-A2 ("Lot 1G-A-2") according the Final Plat Corporate Woods Addition to Liberty Park recorded in Map Book 264, Page 13, in the Probate Office of Jefferson County, Alabama (the "Plat"), being a resurvey of Lot 1G-A as recorded in Map Book 230, Page 52, in the Probate Office of Jefferson County, Alabama (such parcels sometimes being individually referred to herein as a "Parcel" and sometimes being collectively referred to herein as the "Property" or the "Parcels"); and

WHEREAS, Current Owners have purchased the Parcels for a commercial project thereon and desire to provide for the preservation of the value of the Property and to assure a uniform and consistent or harmonious development and improvement of the Property; and

WHEREAS, Current Owners desire to subject the Parcels to certain restrictions, and to declare certain nonexclusive easements to benefit the Parcels as set forth herein.

NOW, THEREFORE, Current Owners hereby covenant and declare, on behalf of themselves and their successors and assigns, that the Parcels shall be held, conveyed, acquired, and encumbered subject to the following easements and restrictions, all of which shall run with the land and bind and inure to the benefit of all persons or entities who may now or hereafter own, occupy, or enter upon any portion thereof, subject to the rights of Owners to amend this Declaration as provided herein.

1. Incorporation of Recitals. The foregoing Recitals are hereby incorporated herein and made a part of this Declaration for all purposes.

2. Certain Definitions. For purposes hereof:

(a) The term "Drainage System" shall mean the Detention area shown on the Site Plan and all pipe(s) and related improvements installed on the Property in order to provide a facility for the discharge of surface storm water for the benefit of the Parcels.

(b) The term "Owner" or "Owners" shall mean the owners of the individual Parcels and any and all successors, assigns, or grantees of such persons as the owner or owners of fee simple title to all or any portion of the Property, whether by sale, assignment, inheritance, operation of law, trustee's sale, foreclosure, or otherwise, but not including the holder of any lien or encumbrance on such real property.

(c) The term "Parcel" or "Parcels" shall mean each separately identified parcel of real property now constituting a part of the Property subjected to this Declaration as described in the Recitals, that is, the Lot 1G-A-1 and the Lot 1G-A-2.

(d) The term "Permittees" shall mean the tenant(s), subtenants, or occupant(s) of a Parcel, and the respective employees, agents, contractors, customers, invitees, and licensees of (i) the Owner of such Parcel, and/or (ii) such tenant(s), subtenants, or occupant(s).

(e) The term "Site Plan" shall mean Site Plan attached hereto as ***Exhibit A*** depicting the proposed layout of the Property, together with the proposed buildings and other improvements constructed or to be constructed thereon. For clarity, the 2.02 acres +/- parcel on the Site Plan is not part of this Declaration.

3. Grant of Easements.

(a) *Reciprocal Access Easements Benefitting the Parcels.* Current Owners hereby declare, grant, bargain, sell, and convey reciprocal and mutual non-exclusive permanent, perpetual, irrevocable, transmissible, and assignable easements for vehicular and pedestrian access, ingress, egress, construction, repair, and maintenance over and across all roads, drives, and (for pedestrian usage only) walkways as existing from time to time, or as may be relocated from time to time, on each Parcel for the benefit of the other Parcel so as to provide for the passage of motor vehicles and pedestrians between the Parcels and the abutting public and private roads (collectively, the "Access Easements"). The Access Easements shall be for the benefit of all Owners of any portion of the Parcels, and each such Owner may grant the benefit of such Access Easements to their respective Permittees, but any such grant is not intended to nor shall it be construed as creating any right in or for the benefit of the general public or for any other real estate. The Access Easements granted herein are non-exclusive and shall be used in a manner so as not to unreasonably interfere with the business operations conducted, in any case, on the Parcels. The Access Easements include but are not limited to the "Ingress-Egress Easement" shown on the Plat being the same "24' Wide Access Easement" as shown the Site Plan (the "Access Driveway") or as it may be relocated from time to time in accordance with the terms of this Declaration, and the right to enter, and reasonable ingress and egress over, the Parcels for the purposes of repairing and maintaining the Access Driveway in accordance with the terms of this Declaration. Upon completion of initial construction thereof, the Access Driveway will not be blocked, altered, or removed, except blockages on a temporary basis (not to exceed twenty-four (24) hours and provided that a reasonable alternative access for ingress and egress is provided) to perform necessary maintenance or to prevent a public taking.

(b) *Reciprocal Drainage Easement.* Current Owners hereby declare, grant, bargain, sell, and convey non-exclusive permanent, perpetual, irrevocable, transmissible, and assignable easements for the benefit of and as an appurtenance to each Parcel, in, on, over and to the Drainage System for the purpose of diverting or providing connection points for piping storm water from to the Drainage System, together with a temporary construction easement for installation of the Drainage System.

(i) The Current Owners and future Owners of the Parcels hereby agree to use the Drainage System for its intended use only and shall be responsible for the prevention of any Hazardous Substances or Waste (as defined herein) entering the Drainage System from its Parcel beyond amounts permitted by applicable laws. For purposes of this Agreement, "Hazardous Substances or Waste" means petroleum (including gasoline, crude oil or any crude oil fraction), waste, trash, garbage, industrial by-product, and chemical or hazardous substances of any nature, including without limitation, radioactive materials, PCBs, asbestos, pesticides, herbicides, pesticide or herbicide containers, untreated sewerage, industrial process sludge, and any other substance identified as a hazardous substance or waste in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (commonly known as CERCLA"), as amended, the Superfund Amendment and Reauthorization Act (commonly known as "SARA"), the Resource Conservation and Recovery Act (commonly known as "RCRA"), or any other Federal, state, county, or municipal legislation or ordinances applicable to the Parcels.

(c) *Reciprocal General Utility Easements Benefitting the Parcels.*

(i) Current Owners hereby declare, grant, bargain, sell, and convey reciprocal and mutual non-exclusive permanent, perpetual, irrevocable, transmissible, and assignable easements, varying in width, for the purpose of constructing, utilizing, maintaining, repairing, and replacing utility lines for electricity, water, sewer, cable, telephone, storm drainage, as well as fire lines and other utilities (individually, a "General Utility Line" or collectively, the "General Utility Lines") across, under and over the Parcels for the benefit of the Parcels (the "General Utility Easement"). The General Utility Easement shall include temporary staging reasonably necessary to construct and install General Utility Lines and related facilities, and ingress and egress rights for vehicular and pedestrian access over the Parcels as may be necessary during the installation, construction, maintenance, repair, and replacement of the General Utility Lines. The General Utility Lines will be located in accordance with requirements of the applicable utility service provider in such a manner as not to interfere with the existing development or intended development (to the extent known). No permanent buildings shall be placed in or allowed to encroach upon the utility easement areas. Any party obtaining an interest in any portion of the Property agrees to execute such documentation as the service provider may reasonably require, including, without limitation, the standard easements and deeds substantially in the form generally used by such service provider, to complete the transfer of the utility facilities for dedication and maintenance by such service provider.

(ii) Any Owner desiring to construct a utility line across another Owner's Parcel after the date hereof (for purposes hereof, the "Burdened Parcel") shall provide the Owner of the Burdened Parcel a survey of the location of the proposed easement and plans and specifications with regard to the improvements to be constructed on the Burdened Parcel, all of which shall be subject to the written approval of the Owner of the Burdened Parcel, which approval shall not be unreasonably withheld, conditioned or delayed. Except as otherwise agreed in writing, any Owner installing such utility lines pursuant to the provisions of this paragraph shall pay all costs and expenses with respect thereto and shall cause all work in connection therewith (including general clean-up and proper surface and/or subsurface restoration) to be completed as quickly as possible and in a manner so as to minimize interference with the use of the Burdened Parcel and in compliance with all applicable laws. Any Owner benefiting from any utility line installed pursuant to this section (individually or collectively, a "Benefitting Owner") agrees to defend, protect, indemnify, and hold harmless the Owner of the Burdened Parcel from and against all claims or demands, including any action or proceeding brought thereon, and all costs, losses, expenses and liabilities of any kind relating thereto, including reasonable attorneys' fees and costs of suit, arising out of or resulting from the exercise of the right to install, maintain, and operate

the said utility line. The Benefitting Owner shall be responsible for the repair and maintenance of said line and all costs and expenses related thereto. No liens shall attach to the Burdened Parcel associated with utility lines installed pursuant to this Section 3(c)(ii), and during the utility installation process, no materials may be stored on the Burdened Parcel; provided, however, in the event that a lien or liens shall, in fact, attach to the Burdened Parcel, the Benefitting Owner shall discharge or cause to be discharged, by payment, bonding, or otherwise, at its sole cost and expense, any lien(s) filed against the Burdened Parcel within thirty (30) days of the attachment thereof. If any Benefitting Owner shall fail to cause such lien(s) to be discharged of record within such thirty (30)-day period, the Owner of the Burdened Parcel shall have the right, but not the obligation, to discharge any such lien(s), without investigation as to the validity thereof or as to any offsets or defenses thereto, and charge all costs thereof, including without limitation, reasonable attorneys' fees, to the Benefitting Owner, and the Benefitting Owner shall, upon demand, reimburse the Owner of the Burdened Parcel for all amounts paid and costs incurred in having such lien(s) discharged of record, plus interest accruing from the date of attachment at the lesser of (i) the rate of eighteen (18%) percent per annum or (ii) the maximum rate of interest allowed under the laws of the State of Alabama.

(d) *Cross-Parking Easements Benefitting the Parcels*. Current Owners hereby declare, grant, bargain, sell, and convey unto each other a reciprocal and mutual non-exclusive permanent, perpetual, irrevocable, transmissible, and assignable easement in, on, and over those portions of their respective Parcels designated as parking spaces on the Site Plan for customer vehicular parking. Notwithstanding the foregoing, the Current Owners and all subsequent Owners hereto agree that they shall keep and maintain a minimum number of parking spaces on their respective Parcels as is required by applicable zoning ordinances, subdivision regulations, or other rules, laws, and ordinances of any governmental entity having jurisdiction over the property. The Current Owners and all subsequent Owners agree that each shall keep and maintain its parking area in a reasonably good condition. The Current Owners and subsequent Owners agree that should any party to this agreement, their respective employees, agents, guests, or invitees, cause extraordinary damage to the parking area of any other Parcel, the party so causing or allowing such damage shall pay any and all costs associated with the repair thereof.

To have and to hold all and singular the easements and rights conveyed hereby for the collective benefit of the Parcels and Current Owners, and their successors and assigns forever, subject to the terms and conditions set forth herein.

4. As-Built Location; Further Assurances; Dedication to Service Provider. The Site Plan shows the general location of certain easements set forth in Section 3 above and the portion of the Property affected by the Easements. Current Owners and all subsequent Owners of the Parcels agree to give further assurances by way of executing and providing for recordation such other and further instruments and documents as may be reasonably necessary to confirm the as-built locations of easement areas or matters generally affecting the Easements and to otherwise effectuate and carry out the intents and purposes of this Declaration. Any party obtaining an interest in the Property agrees to execute such documentation as the service provider may reasonably require, including, without limitation, the standard easements and deeds substantially in the form generally used by such service provider, to complete the transfer of the utility facilities for dedication and maintenance by such service provider.

5. Construction, Maintenance, Repair, and Restoration Obligations.

(a) *Construction*. The Current Owners and future Owners of the Parcels shall construct and be responsible for all costs associated with the construction of all buildings and improvements

constructed or to be constructed on their respective Parcels, except that Owners of the Parcels shall equally share in the cost of installation of the Drainage System and Access Driveway. Such improvements shall include all buildings, driveways, parking spaces, utility lines, storm water facilities, and signs, which are located or to be located on a Parcel. All Owners of any portion of the Property shall comply with all requirements of the governmental regulatory authorities in connection with stormwater retention. With the exception of any utility line installed across a Burdened Parcel for the benefit of another Owner, which utility line must be constructed and maintained by the Benefitting Owner of such utility easement, the Owner of a Parcel shall be responsible for the construction, maintenance, repair, and replacement of the easement improvements located on its Parcels (including, but not limited to, all roads, drives and walkways (including the Access Driveways), utility and storm drainage facilities, and any signage located thereon, subject to any right or rights of reimbursement, if any, as may be more particularly set forth herein). The Owners of the Parcels shall use only those reasonable measures during construction, maintenance, or repair which are least intrusive to and which have the least impact on the condition and operation of the property affected by such construction or repair, including but not limited to, protection of existing improvements, trees, bushes, and other landscaping on the Property from damage or destruction and maintenance of access to, egress from, and parking on the burdened Parcel. It is understood and agreed that any property damaged or affected thereby will be restored as near as practicable to its prior condition after construction of easement improvements and any repairs thereto. The Owners shall use reasonable and diligent efforts to prevent any material interference with the operations or business of any Permittees of the Parcels when performing any construction, repairs, or maintenance within any Parcel. Owners shall cause all construction on the Property to be performed in compliance with all applicable laws and shall not permit any such construction to: (i) materially interfere with the use, occupancy, or enjoyment of any part of the Property by any occupant thereof, or (ii) cause any portion of the Property to be in violation of any applicable laws. Each Owner performing construction on the Property shall at all times before and during the performance of any such construction maintain all construction areas in a neat and tidy condition. Once construction has commenced on any Parcel, such construction shall be diligently and continuously pursued to completion, subject in all cases to force majeure.

(b) *Repair and Maintenance Responsibilities.*

(i) *General.* With the exception of the General Utility Lines (which shall be maintained in accordance with Section 5(b)(ii) hereof), and the Drainage System and Access Driveway (which shall be maintained in accordance with Section 5(b)(iii) hereof), the Owner of each Parcel shall at all times maintain, or cause to be maintained, all buildings and improvements on its respective Parcel, at its sole cost and expense, in good order, condition, and repair and in compliance with all applicable laws, and in a manner consistent with the highest standards of repair normally demanded in a first-class commercial development. To the extent applicable, the Owner of each Parcel shall maintain all sidewalks, remove all papers, debris, and other refuse from and periodically sweep all parking and road areas to the extent necessary to maintain the same in a clean, safe, and orderly condition and clear of ice, snow, and standing water, maintaining appropriate lighting fixtures for the parking areas and roadways, maintain marking, directional signs, lines and striping as needed, maintain landscaping, maintain signage in good condition and repair, and perform any and all such other duties as are necessary to maintain its Parcel in a clean, safe, and orderly condition. Nothing contained herein shall be deemed to allow Owner to avoid a more stringent obligation for repair, restoration and rebuilding contained in a lease or other written agreement between an Owner and such Owner's Permittee. Until such time as improvements are constructed on a Parcel, the Owner thereof shall maintain (or cause to be maintained) said Parcel in a clean, neat and sightly condition and shall take such measures as are necessary to control grass, weeds, blowing dust, dirt, litter, or debris.

(ii) *General Utility Lines*. Unless otherwise provided for herein, all General Utility Lines shall be maintained and repaired, or caused to be maintained and repaired, in a good and safe condition by the Owner of the Parcel within which the General Utility Line is located; provided, however, if a General Utility Line serves only one Parcel, the Benefitting Owner shall be responsible for the cost of such maintenance or repair.

(iii) *Drainage System and Access Driveway*. Notwithstanding the foregoing, the Owners of the Parcels covenant at all times during the term hereof to operate and maintain or cause to be operated and maintained, the Drainage System and Access Driveway, in good order and repair and in compliance with all applicable laws. The Owner of each Parcel shall each be responsible for one-half (50%) of the total costs and expenses required to maintain the Drainage System and Access Driveway.

(iv) *Self-Help*. In the event an Owner does not maintain any of the easement areas located on its Parcel (the "Defaulting Owner"), to the reasonable satisfaction of another Owner (the "Complaining Owner"), the Complaining Owner shall provide the Defaulting Owner with written notice indicating the maintenance deficiencies. Except in the case of an emergency, in which event no prior notice shall be required (but the Complaining Owner shall give notice as soon as practicable thereafter) and the Complaining Owner may commence with repair and maintenance activity immediately and be reimbursed as set forth below, the Defaulting Owner shall have a reasonable amount of time from receipt of the notice to remedy the matters noted therein. In the event the Defaulting Owner fails to remedy the matters stated in the notice within a reasonable amount of time after receipt of the notice (but in no event later than ten (10) days, unless such remedy cannot reasonably be completed within ten (10) days, in which case the Defaulting Owner shall have such time as is reasonably necessary provided that the Defaulting Owner shall commence the remedy within such ten (10) day period, and thereafter diligently prosecute same to completion), the Complaining Owner may take all reasonable actions to maintain the affected easement areas and may submit an invoice to the Defaulting Owner for the prompt payment of all expenses incurred in connection therewith (but in no event shall payment be made later than thirty (30) day after the submission of an invoice for same). If the Defaulting Owner fails to reimburse the Complaining Owner within thirty (30) days after receipt of an Assessment for same, then the unpaid Assessment amount shall bear interest from the due date at the lesser of (i) the rate of eighteen (18%) percent per annum or (ii) the maximum rate of interest allowed under the laws of the State of Alabama until fully paid by the Defaulting Owner, and the unpaid Assessment shall be secured by a lien, affording the holder of such lien with all rights and remedies as more particularly set forth therein. The sale or transfer of the affected Parcel shall not affect any such lien, but a sale pursuant to the judicial foreclosure of a first priority deed of trust may (per applicable law) extinguish the lien; however such sale or transfer shall not relieve the Owner of such Parcel from any liability for any Assessments thereafter becoming due or from any future liens hereunder. For purposes of the foregoing only, "emergency" shall mean any event or events which may (i) constitute a threat to the health or welfare of any person or to the safety of any property or (ii) have a material adverse impact on an Owner's (or its Permittee's) use and enjoyment of or operations on its respective Parcel.

6. [Reserved].

7. Insurance. The Current Owners of the Parcels hereby covenant to maintain or cause to be maintained on their respective Parcels the following commercial general liability insurance: (a) personal and bodily injury and damage to property of $1,000,000.00 per occurrence, with an annual aggregate limit of $2,000,000.00.

The Current Owners and future Owners of the Parcels at their sole cost and expense shall keep or cause to be kept insured for the mutual benefit of the Owners, all improvements now or hereafter located on or appurtenant to each Owners' respective portion of the Property, against loss or damage by fire and such other risks as are now or hereafter included in extended coverage endorsements, including vandalism, explosion and malicious mischief coverages for improvements of comparable size and quality. The amount of such insurance coverage shall be in commercially reasonable amounts with commercially reasonable deductibles sufficient to provide for replacement of all improvements, without deduction for depreciation.

8. [Reserved].

9. Notice. All notices, demands and requests required or permitted to be given under this Declaration (collectively the "Notices") must be in writing and must be delivered personally or by nationally recognized overnight courier or sent by United States certified mail, return receipt requested, postage prepaid and addressed to the Owners at their respective addresses according to the tax assessor's records.

10. [Reserved].

11. Legal Effect. The easements and restrictions set forth in this Declaration (collectively, the "Restrictions") shall run with the Property and shall bind Current Owners, their successors and assigns, and every other person now or hereafter acquiring an interest in or lien upon the Property, or any portion thereof. The rights of the easements declared hereby: (i) shall be an estate prior to any lien, deed, estate or encumbrance whatsoever; (ii) shall be perpetual and shall run with the land, be binding upon, and inure to the benefit of the parties hereto, their heirs, successors, assigns, grantees and tenants; (iii) shall be, and are, appurtenant to, and essentially necessary for the enjoyment and use of the Property; and (iv) are made in contemplation of commercial use, and are of commercial character. It is Current Owners' express intent that the easements granted herein shall not, at any time, merge by operation of law into an Owner's title or interest in any Parcel, but that such easements shall remain separate and distinct rights and estates in land, unless the Owners of all affected parcels specifically evidence their intent by mutual agreement in writing to extinguish any such easement. It is further expressly provided that the acquisition hereafter by any other party (including, without limitation, a present or future mortgagee of any Parcel or any portion thereof) of an ownership interest (in fee, leasehold, or otherwise) shall not operate, by merger or otherwise, to extinguish, diminish, impair, or otherwise affect any easement granted herein, which easements shall remain separate and distinct and estates in land.

12. Enforcement. This Declaration shall be enforceable by Current Owners and their successors and assigns owning the Property (or a portion thereof, as the case may be), by any tenants on the Property (or a portion thereof, as the case may be) pursuant to the terms of any applicable leases, by any proceeding at law or in equity against any person or persons, Owner or lessee of the Property or any portion thereof violating or attempting to violate or circumvent this Declaration either to restrain a violation or to recover damages. The failure by any party to enforce this Declaration contained herein for any period of time shall in no event be deemed a waiver of the right of any of the foregoing to enforce the same, nor shall any failure by any party to enforce the Restrictions contained herein for any period of time work to stop any of the foregoing from enforcing the same. This provision does not exclude other remedies available at law or equity, including monetary damages. In any such actions, the prevailing party shall be entitled to reasonable attorneys' fees and costs of the action. In the event of any failure by the Owner of a Parcel to perform, fulfill or observe any covenant, condition, obligation or agreement herein to be performed, fulfilled or observed by it, continuing for thirty (30) days, or immediately in situations involving potential danger to the health or safety of persons in, or about or substantial deterioration of the Property or any

portion thereof or improvements located thereon, in each case after written notice specifying such, the Owner of another Parcel which is a part of the Property, may, at such Owner's election, cure such failure or breach for and on behalf of the Defaulting Owner, and any amount which such Parcel Owner shall expend for such purpose, or which shall otherwise be due by any Owner to such Parcel Owner, shall be paid to such Parcel Owner on demand, upon delivery of its invoice, together with interest thereon at the lesser of (i) the rate of eighteen (18%) percent per annum or (ii) the maximum rate of interest allowed under the laws of the State of Alabama, from the date when same shall have become due to the date of payment thereof to such parcel owner in full.

13. Captions, Gender and Number. Captions contained in this Declaration are inserted only as a matter of convenience and in no way define, limit, extend or describe the scope of this Declaration or the intent of any provision hereof. Whenever the context so requires, any pronouns used herein shall include the corresponding masculine, feminine, or neuter forms, and the singular form of nouns and pronouns shall include the plural and vice versa.

14. Waiver. Any consent to or waiver of any provision hereof shall not be deemed or construed to be a consent to or waiver of any other provision of this Declaration. Failure on the part of any Owner to complain of any act or failure to act of any other owner, irrespective of the duration of such failure, shall not constitute a wavier or modification of rights hereunder. No waiver or modification hereunder shall be effective unless the same is in writing and signed by the Owner against whom it is sought.

15. Binding Effect. Except as otherwise provided herein, all provisions of this Declaration shall be binding upon, inure to the benefit of and be enforceable by and against Current Owners and their successors and assigns.

16. Severability. If any covenant, restriction, or provision contained in this Declaration is to any extent declared by a court of competent jurisdiction to be invalid or unenforceable, the remaining covenants, restrictions, and provisions contained herein (or the application of such covenants, restrictions, and provisions to persons or circumstances other than those in respect of which the determination of invalidity or unenforceability was made) will not be affected thereby and each covenant, restriction, and provision contained in this Declaration will be valid and enforceable to the fullest extent permitted by law.

17. Governing Law. This Declaration shall be governed by the laws of the State of Alabama, without regard to its conflicts of laws principles.

18. Term; Amendment. This Declaration and the covenants and restrictions set forth herein shall run with and bind all land within the Property, as applicable, for an initial term of forty (40) years from the date this Declaration is filed for record in the Register's Office (the "Term"). At the end of the initial Term, this Declaration shall be automatically renewed without any action by the parties hereto or their respective successors or assigns for successive terms of ten (10) years. This Declaration may not be amended absent the express written consent of the Declarant.

19. Condemnation. In the event of condemnation or a similar taking of all or any portion of any easement by the duly constituted authority for public or quasi-public use, compensation for the condemned portion within the easement will be payable to the Owner on whose property the easement is located, and no claim will be made by any other Owner. Another Owner may file a collateral claim over and above the value of the underlying fee title to the property so taken, to the extent of any damage suffered by another Owner as a result of the severance of the easement. If the taking affects the use of any easements, each party bound hereby will use its best efforts to modify, repair, and rebuild and otherwise revise the easement that burdens its Parcel, so that the benefits accruing to the beneficiaries

hereof will be as nearly as reasonably possible or the same as those benefits existing before such taking.

20. Miscellaneous.

(a) *Consents.* Wherever in this Declaration the consent or approval of an Owner of a Parcel who is not one of the Current Owners or an affiliate of the Current Owners is required, unless otherwise expressly provided herein, such consent or approval shall not be unreasonably withheld, conditioned, or delayed. Any request for consent or approval shall (a) be in writing; (b) specify the section hereof which requires that such notice be given or that such consent or approval be obtained; and (c) be accompanied by such background data as is reasonably necessary to make an informed decision thereon. The consent of the Owner of a Parcel under this Declaration, to be effective, must be given, denied, or conditioned expressly and in writing.

(b) *Covenants to Run with Land.* It is intended that each of the easements, covenants, conditions, restrictions, rights and obligations set forth herein shall run with the land and create equitable servitudes in favor of the real property benefited thereby, shall bind every person having any fee, leasehold or other interest therein and shall inure to the benefit of the respective parties and their successors, assigns, heirs and personal representatives.

(c) *Grantee's Acceptance.* The grantee of any Parcel or any portion thereof, by acceptance of a deed conveying title thereto, whether from an original party or from a subsequent owner of such Parcel, shall accept such deed subject to each and all of the easements, covenants, conditions, restrictions and obligation contained herein. By such acceptance, any such grantee shall for himself and his successors, assigns, heirs and personal representatives, covenant, consent and agree to and with the other party, to keep, observe, comply with, and perform the obligations and agreements set forth herein with respect to the property so acquired by such grantee.

(d) *Time of Essence.* Time is of the essence with respect to this Declaration.

(e) *Estoppel Certificates.* Each Owner of a Parcel, within fifteen (15) days of its receipt of a written request from another Parcel Owner, shall from time to time provide the requesting owner, a certificate binding upon such owner stating: (a) to the best of such Parcel Owner's knowledge, whether any party to this Declaration is in default or violation of this Declaration and if so identifying such default or violation; and (b) that this Declaration is in full force and effect and identifying any amendments to the Declaration as of the date of such certificate.

(f) *Site Plan.* The Owners acknowledge and agree that by attaching the Site Plan hereto, the Current Owners are in no way obligated to each other to build or construct the improvements shown on the Site Plan, and ATC and Abenjoa may modify, revise, and/or reconfigure the improvements on their respective Parcels at any time and from time to time in such Current Owner's sole discretion without the prior written consent of the other Current Owner, as long as the Access Driveways and Drainage System are not affected in violation of the terms hereof.

[Remainder of page intentionally left blank; signatures appear on the following pages.]

SIGNATURE PAGE TO
DECLARATION OF EASEMENTS, COVENANTS, AND RESTRICTIONS

ATC Property Holdings, LLC has duly executed this Declaration as of the Effective Date.

ATC PROPERTY HOLDINGS, LLC, an Alabama limited liability company

By: _____
Name: Qunen Ying
Title: Owner

ACKNOWLEDGEMENT

STATE OF ALABAMA)
:
COUNTY OF Jefferson)

I, the undersigned, a Notary Public in and for said County, in said State, hereby certify that Qunen Ying, whose name as Owner of **ATC Property Holdings, LLC, an Alabama ~~limited~~ liability company**, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day, that being informed of the contents thereof, he, as such officer with full authority, executed the same voluntarily for and as the act of said corporation on the day the same bears date.

GIVEN under my hand and Notarial Seal, this 11 day of December, 2025.

Taylor Burns Snuggs
Notary Public

My Commission Expires: March 31, 2029

[AFFIX SEAL OR STAMP]

STATE OF ALABAMA NOTARY PUBLIC
TAYLOR BURNS SNUGGS
My Commission Expires
March 31, 2029

SIGNATURE PAGE TO
DECLARATION OF EASEMENTS, COVENANTS, AND RESTRICTIONS

Abenjoa Properties, LLC has duly executed this Declaration as of the Effective Date.

ABENJOA PROPERTIES, LLC, an Alabama limited liability company

By: Christine K. Abenoja
Name: Christine Abenoja
Title: Owner | orthodontist

ACKNOWLEDGEMENT

STATE OF ALABAMA)
:
COUNTY OF Jefferson)

I, the undersigned, a Notary Public in and for said County, in said State, hereby certify that Christine Abenoja whose name as Owner of **Abenjoa Properties, LLC, an Alabama limited liability company**, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day, that being informed of the contents thereof, he, as such officer with full authority, executed the same voluntarily for and as the act of said corporation on the day the same bears date.

GIVEN under my hand and Notarial Seal, this 11 day of December, 2025.

Taylor Burns Snuggs
Notary Public

My Commission Expires: March 31, 2029

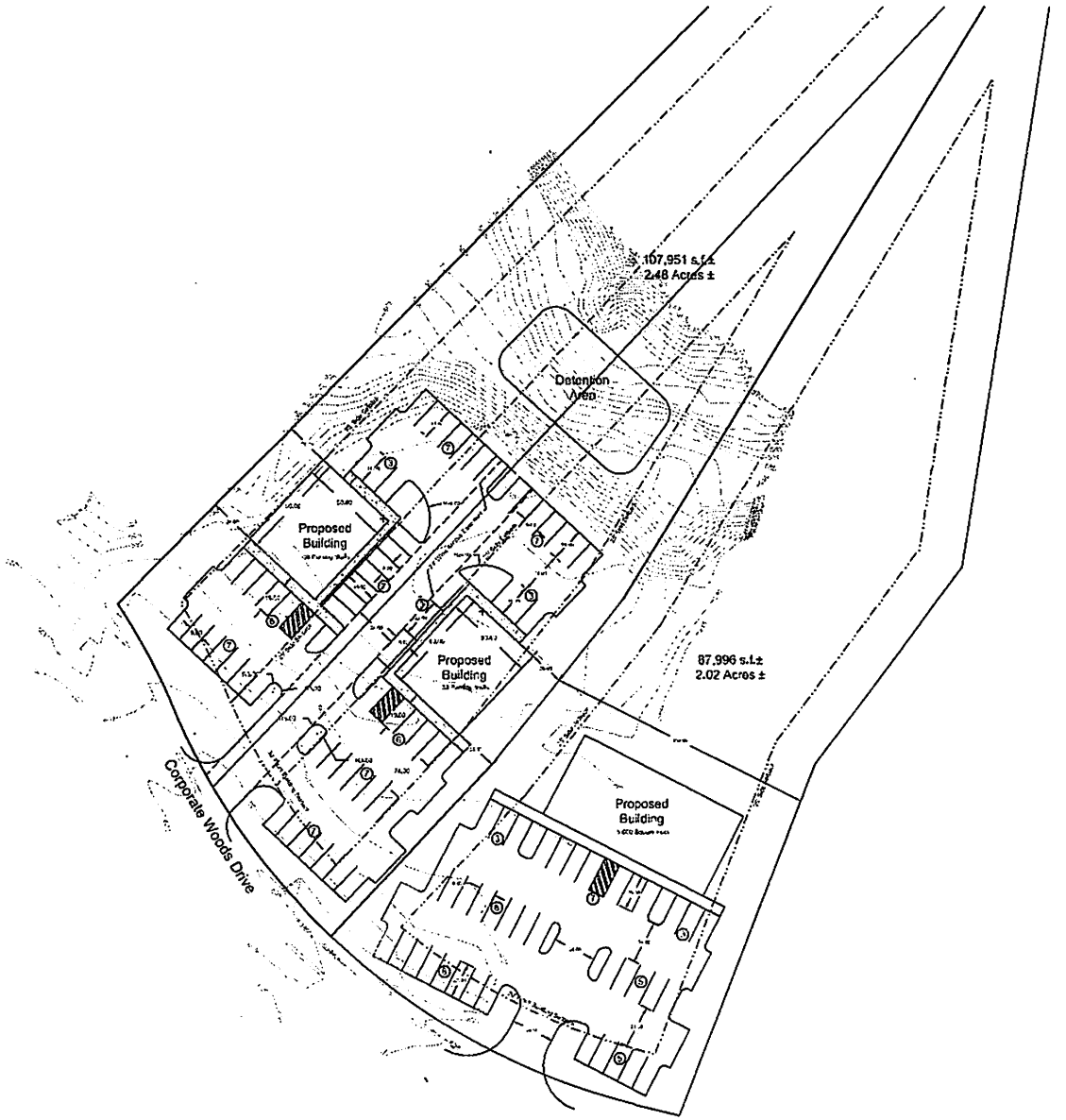
[AFFIX SEAL OR STAMP]

NOTARY PUBLIC ALABAMA
TAYLOR BURNS SNUGGS
My Commission Expires
March 31, 2029

EXHIBIT A

Site Plan

[*To be inserted.*]



Forty•4 Engineering Design
1703 McConnell Lane
Mount Olive, AL 35117
P: 205.678.4335
forty4out4.com

Engineer

Liberty Park Dental Offices

Situated in Section 12, Township 18 South, Range 2 West,
Jefferson County, Alabama

Sheet Title
Preliminary Layout

Remarks

File
Preliminary Layouts

Date: December 21, 2023

Scale: 1" = 30'

Drawing
PL1.0

City of Vestavia Hills
Office of the City Clerk

OWNER AFFIDAVIT (This form must be notarized):

I do hereby declare that the following statements are correct concerning the subject property located at: LOT 1G-A-2 CORPORATE WOODS DR., Vestavia Hills, Alabama and that statements submitted in my application are true and that I am: *(please check all that apply).*

____ the Property Owner and representing myself in said request.

X the Property Owner, but I am authorizing a Representing Agent by the name of: RYAN C. FREEMAN / RYAN FREEMAN, INC. to represent me in the following request:

And am requesting: (please check)

____ Rezoning Request
____ Preliminary Plat Approval
____ Final Plat Approval
____ Conditional Use Approval
____ Request for Variance
____ Special Exception
X Design Review Approval

Signed: _____ 04/20/2026
Owner Signature/Date

STATE OF ALABAMA
COUNTY OF Jefferson

Given under my hand and seal this 20th day of April, 2026.

Joseph H Alexander
Notary Public

My commission expires 2nd day of April, 2029.

Record No: DRB-26-5

Design Review Board Application

Status: Active

Submitted On: 4/20/2026

Primary Location

3253 CAHABA HEIGHTS RD
VESTAVIA HILLS, AL 35243

Owner

Conquest Holdings LLC
Boardman Drive 400 Chelsea, AL 35043

Agenda Information

Agenda Schedule

Comment/Delay/Information:

Owner of Property

Name*

Conquest Holdings LLC - John Price

Address*

400 Boardman Drive

City*

Chelsea

State*

AL

Zip Code*

35043

Phone Number*

2056412992

Email*

Billing/Responsible Party

Name*

Vapor Thrift Store LLC

Address*

338 Talladega Springs Road

City*

Sylacauga

State*

AL

Zip Code*

35151

Phone Number*

2057897900

Email*

Representing Attorney/Other Agent

Name

Address

City

State

Zip Code

Phone Number

Email

Description of Property

Subject Property Address

3253 Cahaba Heights Rodd

Property Zoning Classification

B3

Subdivision Name, Lot #, Block #, etc.

Parcel ID: 28 00 22 1 017 004.000 P O B 125 FT S E OF E INTER OF BRASHER DRIVE & CAHABA HEIGHTS RD TH E 100 FT S ALONG CAHABA HEIGHTS RD TH S 165 FT S TH W 100 FT S TH N 165 FT S TO P O B LYING IN S E 1/4 OF N E 1/4 SEC 22 T 18 S R 2 W

Reason for Request

Check all that apply

Preliminary Review

☐

Landscape Review

☐

Architectural Review

☑

Final Review of Materials

☐

Other

☐

Detailed Explanation

Process

Check all that apply

New Building

☐

Renovation of Existing Building

☐

New Landscape Plan

☐

Renovation to Existing Landscaping Plan

☐

Other

☑

Detailed Explanation

Exterior front renovation, painting and monument sign

Affidavit:

I do hereby declare the above statements are true and that I, the owner, and/or my duly appointed representative will be at the scheduled hearing. Simultaneously with the submittal of this application, I am hereby submitting a notarized affidavit signed by the owner of the property in the attachments section of this application. NOTE: Applications cannot be processed without the notarized owners affidavit.

Review Requirements

The following information and exhibits shall be provided and presented on your proposed project for review. The Board will review the three project components at the meeting. The Board must approve all three components before any permit is issued. A design professional, owner, or owner representative with knowledge of design elements and project provisions should represent the project to the committee.

General: Provide three copies and one digital copy (pdf format) of all drawings or plans required below for review. Drawings must be to scale. These drawings should be turned in with the application. Drawings shall be folded to size 8 ½” by 11”.

1. Architectural Review
    a. Site plan showing roadways, entrances, exits and parking
    b. Building elevations showing construction material, material colors, context, and protrusions. Color rendering is preferred. Roof design must be detailed.
    c. Presentation by architect or owner with knowledge of compatibility with adjacent structures, city context, etc.
2. Landscape Review
    a. Site plan showing contours, drainage containment areas, parking spaces, sidewalks, buffers, site lighting and details, etc.
    b. Landscape plan showing planting materials, designations, size, potted planting, window boxes, vines, etc. Trees will be identified by botanical name, quantity, and caliper. Shrubs will be identified by botanical name, quantity, and container size. Differentiate between existing and new landscaping.
    c. Parking lots: Provide calculations of total square footage and square footage designed for landscaping. Indicate handicapped spaces. Indicate size of parking spaces.
    d. Irrigation plan for all landscaped areas.
    e. Statement of maintenance policy and provisions.

Internal reviews/information

Meeting Date

Preliminary Review

Landscape Review

Architectural Review

Final Review of Materials

Other

SCOPE OF WORK

PROJECT OVERVIEW

The project consists of the selective exterior modification of an existing facility to convert the building into a Vapor Thrift donation drop-off location. The intent is to adapt the building for operational use while maintaining the majority of the existing structure with minimal intervention.

GENERAL SCOPE

Work includes limited exterior demolition, façade enhancements, construction of a new drop-off canopy, and minor site/interface improvements necessary to support donation drop-off operations.

No interior renovations are included in this scope.

DEMOLITION

- Removal of the existing parapet / quasi-mansard roof element, including any tapered or sloped façade components associated with this feature
- Preparation of the roof edge for a simplified, flattened profile
- Removal of any associated trim, fascia, or façade materials necessary to complete the new exterior profile

EXTERIOR MODIFICATIONS

- Modification of the building roofline to create a clean, flattened parapet condition
- Installation of composite cladding elements consistent with Vapor Thrift branding standards
- Integration of new exterior finishes with existing construction

SIGNAGE

- Furnish and install new building signage for Vapor Thrift
- Coordinate placement and mounting with updated façade elements
- Provide necessary backing, blocking, and electrical provisions if required

CANOPY CONSTRUCTION

- Construction of a new donation drop-off canopy structure
- Canopy to be designed to allow vehicular pull-through access for efficient donation drop-off
- Structural system, roofing, and finishes to be coordinated with the overall building aesthetic
- Integration with existing pavement and circulation patterns

FRONT FAÇADE

- Adjust design to align with updated building appearance and branding
- Site Interface (Limited)
- Minor adjustments required to accommodate canopy installation and vehicle circulation
- Tie-in to existing drives and drop-off areas
- A six (6) foot tall stained wood screen wall shall be installed along the east side of the building.

EXCLUSIONS

- No interior demolition or construction
- No modifications to existing building systems (mechanical, electrical, plumbing), unless required for signage
- No full site redevelopment beyond canopy-related adjustments

INTENT

The overall intent of this project is to deliver a clean, recognizable Vapor Thrift drop-off location with minimal construction scope, focusing on branding, functionality, and ease of use for donors.



02 MONUMENT SIGN ELEVATION
1/2" = 1'-0"



01 FRONT BUILDING ELEVATION
3/8" = 1'-0"

difference architecture

VAPOR DONATION CENTER - CAHABA HEIGHTS

ELEVATIONS

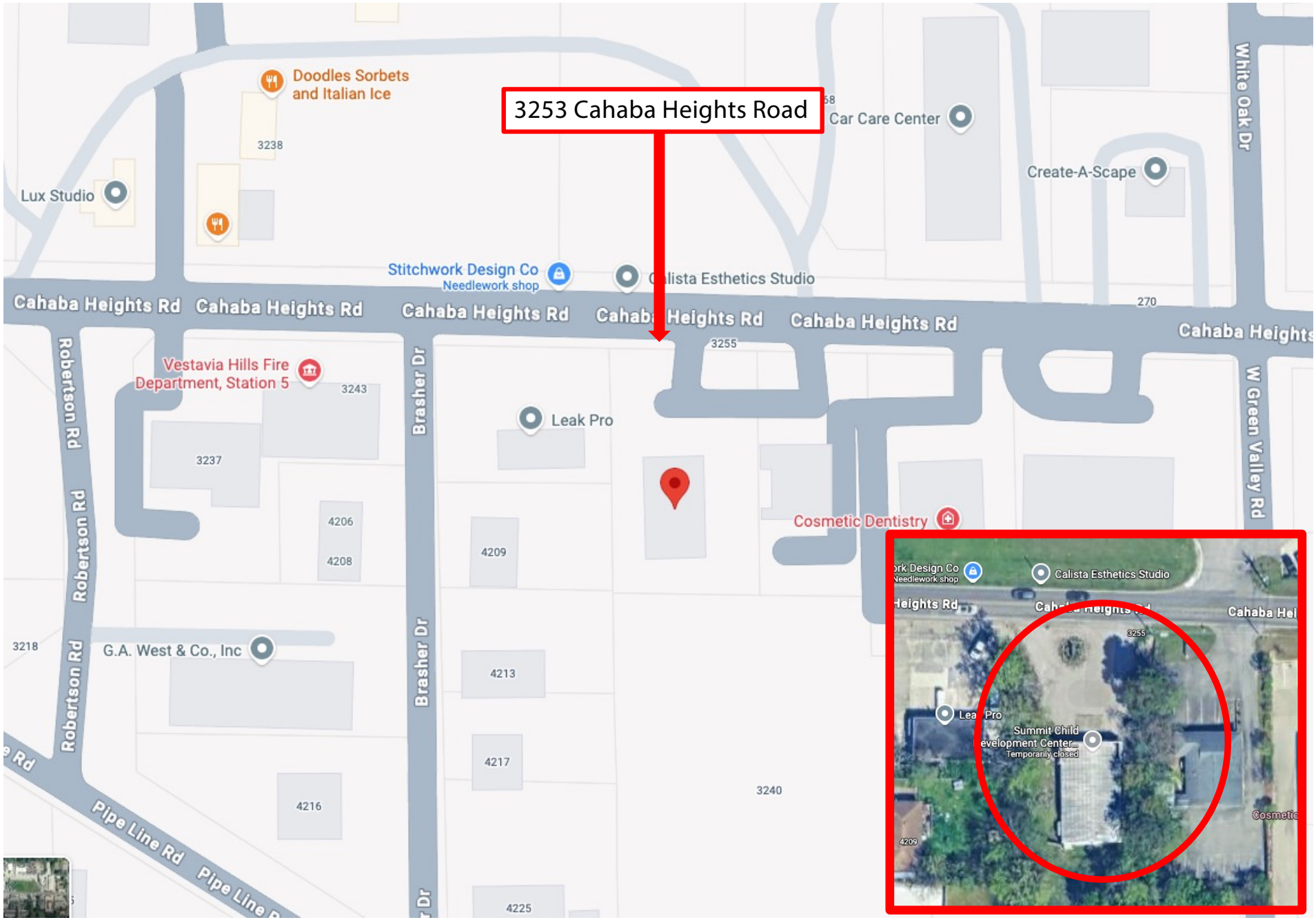
0032.003
scale: As indicated
date: 04/16/2026

SD-2



VAPOR DONATION CENTER -
CAHABA HEIGHTS

Perspective View



Vicinity Map

SITE PLAN NOTES – VAPOR CAHABA HEIGHTS

1. THE SITE PLAN IS PROVIDED IN TWO FORMATS:
   a. AN OVERALL PLAN ILLUSTRATING THE SUBJECT PROPERTY IN RELATION TO ADJACENT PARCELS, AND
   b. A DETAILED PLAN FOCUSED ON THE PROJECT SITE AND PROPOSED IMPROVEMENTS.

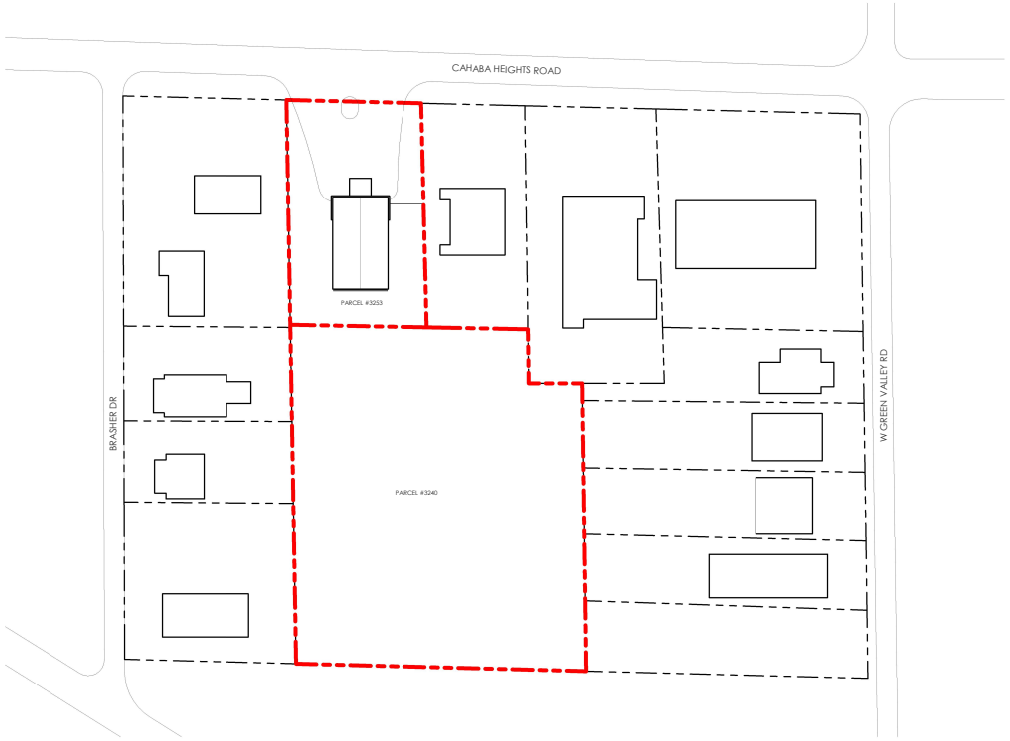
2. THE PROJECT IS INTENDED AS A MINIMAL-IMPACT SITE MODIFICATION, UTILIZING THE EXISTING DEVELOPED CONDITIONS OF THE PROPERTY.
3. EXISTING PARKING AREAS WILL REMAIN, WITH MINOR RESTRIPING AND ADJUSTMENTS AS NEEDED TO MAXIMIZE THE NUMBER OF PARKING SPACES WITHIN THE CURRENT PAVED FOOTPRINT.
4. A NEW VEHICULAR CIRCULATION LOOP WILL BE ESTABLISHED TO SUPPORT DONATION DROP-OFF OPERATIONS. THIS LOOP WILL ALLOW VEHICLES TO:
   a. QUEUE ON-SITE
   b. CIRCULATE EFFICIENTLY THROUGH THE PROPERTY
   c. ACCESS THE DESIGNATED DROP-OFF CANOPY AREA
   d. EXIT WITHOUT DISRUPTING STANDARD PARKING OPERATIONS

5. HE PROPOSED CIRCULATION PATTERN IS DESIGNED TO MAINTAIN SAFE AND EFFICIENT TRAFFIC FLOW WHILE MINIMIZING CONFLICTS BETWEEN DROP-OFF ACTIVITY AND PARKED VEHICLES.
6. NO MAJOR SITE MODIFICATIONS ARE ANTICIPATED, INCLUDING BUT NOT LIMITED TO:
   a. NO GRADING BEYOND MINOR ADJUSTMENTS REQUIRED FOR CANOPY INSTALLATION
   b. NO SIGNIFICANT CHANGES TO EXISTING DRAINAGE PATTERNS
   c. NO EXPANSION OF IMPERVIOUS SURFACES BEYOND LOCALIZED IMPROVEMENTS

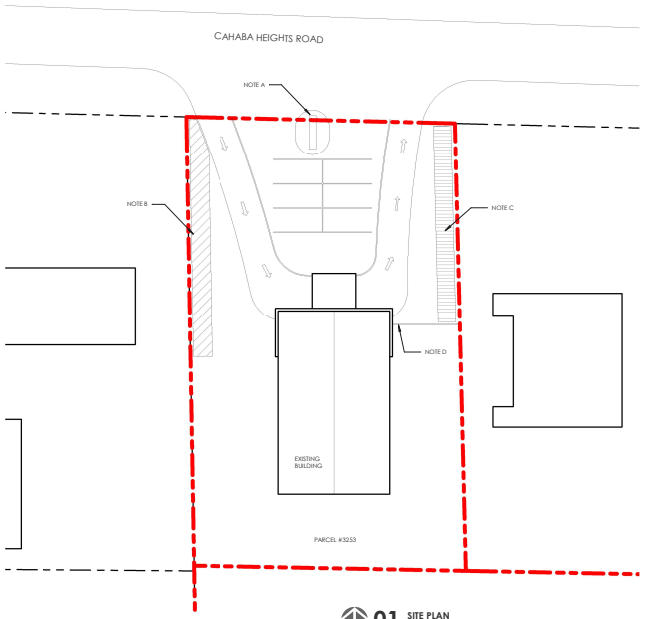
7. ALL IMPROVEMENTS ARE LIMITED TO THOSE NECESSARY TO SUPPORT THE VAPOR THRIFT DROP-OFF USE WHILE PRESERVING THE OVERALL CHARACTER AND FUNCTIONALITY OF THE EXISTING SITE.
8. STRIPING AND SIGNAGE SHALL COMPLY WITH APPLICABLE CODES, INCLUDING ACCESSIBLE PARKING REQUIREMENTS.

ADDITIONAL SITE IMPROVEMENTS:

A. LANDSCAPE ENHANCEMENTS SHALL BE PROVIDED AT THE PRIMARY ENTRY SIGN, INCLUDING A COMBINATION OF PERENNIAL AND SEASONAL ANNUAL PLANTINGS, WITH A NATURAL STONE BORDER TO DEFINE THE PLANTING AREA, AS DIRECTED BY OWNER/ARCHITECT.
B. AT THE WEST SIDE OF THE PROPERTY, WITHIN THE EXISTING DRAINAGE DITCH, NATURAL STONE SHALL BE ADDED AS NEEDED TO STABILIZE THE CHANNEL AND REDUCE EROSION.
C. ON THE EAST PROPERTY LINE, SOD SHALL BE INSTALLED TO ESTABLISH A CLEAN AND UNIFORM EDGE CONDITION ALONG THE BOUNDARY.
D. A SIX (6) FOOT TALL STAINED WOOD SCREEN WALL SHALL BE INSTALLED ALONG THE EAST SIDE OF THE BUILDING, LOCATION AS SHOWN ON PLAN, TO PROVIDE VISUAL SCREENING.



02 OVERALL SITE PLAN
1" = 40'-0"



01 SITE PLAN
1" = 20'-0"

difference architecture

VAPOR DONATION CENTER - CAHABA HEIGHTS

SITE PLAN

0032.003
scale: As indicated
date: 04/16/2026

SD-1

City of Vestavia Hills
Office of the City Clerk

OWNER AFFIDAVIT (This form must be notarized):

I do hereby declare that the following statements are correct concerning the subject property located at: 3253 Cahaba Heights Rd, Vestavia Hills, Alabama and that statements submitted in my application are true and that I am: *(please check all that apply)*.

____ the Property Owner and representing myself in said request.

✓ the Property Owner, but I am authorizing a Representing Agent by the name of: David Johnson to represent me in the following request:

And am requesting: (please check)

____ Rezoning Request
____ Preliminary Plat Approval
____ Final Plat Approval
✓ Conditional Use Approval
____ Request for Variance
____ Special Exception
✓ Design Review Approval

Signed: John Bruce 4/17/26
Owner Signature/Date

STATE OF ALABAMA
COUNTY OF Jefferson

Given under my hand and seal
this 17TH day of April, 2026

Janice F. Kent
Notary Public

My commission expires 12TH day of August, 2029.

Record No: DRB-26-6

Design Review Board Application

Status: Active

Submitted On: 4/22/2026

Primary Location

4308 DOLLY RIDGE RD
VESTAVIA HILLS, AL 35243

Owner

Paradox Properties, LLC
Eagle Point Dr. 1000 Birmingham , AL 35242

Agenda Information

Agenda Schedule

Comment/Delay/Information:

Owner of Property

Name*

Paradox Properties, LLC

Address*

1000 Eagle Point Dr, Suite 3

City*

Birmingham

State*

AL

Zip Code*

35242

Phone Number*

859-433-9305

Email*

Billing/Responsible Party

Name*

Ryan Freeman, Inc

Address*

6047 Old Leeds Rd

City*

Irondale

State*

AL

Zip Code*

35210

Phone Number*

205-568-8646

Email*

Representing Attorney/Other Agent

Name

Forty Dot 4 Engineering

Address

1703 McConnell Ln

City

Mount Olive

State

AL

Zip Code

35117

Phone Number

205-876-4335

Email

Description of Property

Subject Property Address

4308 Dolly Ridge Rd

Property Zoning Classification

B1.2

Subdivision Name, Lot #, Block #, etc.

Section 22 Quarter Section 2
Township 18 Range 2W

Reason for Request

Check all that apply

Preliminary Review

☐

Landscape Review

☑

Architectural Review

☑

Final Review of Materials

☑

Other

☐

Detailed Explanation

We are applying for the DRB approval of this project, which is a new pediatric dental office building with a new entrance off od Dolly Ridge Rd. and off-street parking.

Process

Check all that apply

New Building

☑

Renovation of Existing Building

☐

New Landscape Plan

☑

Renovation to Existing Landscaping Plan

☐

Other

☐

Detailed Explanation

This will be a new construction project for a Pediatric Dental office. It will consist of a 1.5-story building with parking and a drive that will serve the entire development.

Affidavit:

I do hereby declare the above statements are true and that I, the owner, and/or my duly appointed representative will be at the scheduled hearing. Simultaneously with the submittal of this application, I am hereby submitting a notarized affidavit signed by the owner of the property in the attachments section of this application. NOTE: Applications cannot be processed without the notarized owners affidavit.

Review Requirements

The following information and exhibits shall be provided and presented on your proposed project for review. The Board will review the three project components at the meeting. The Board must approve all three components before any permit is issued. A design professional, owner, or owner representative with knowledge of design elements and project provisions should represent the project to the committee.

General: Provide three copies and one digital copy (pdf format) of all drawings or plans required below for review. Drawings must be to scale. These drawings should be turned in with the application. Drawings shall be folded to size 8 ½” by 11”.

1. Architectural Review
    a. Site plan showing roadways, entrances, exits and parking
    b. Building elevations showing construction material, material colors, context, and protrusions. Color rendering is preferred. Roof design must be detailed.
    c. Presentation by architect or owner with knowledge of compatibility with adjacent structures, city context, etc.
2. Landscape Review
    a. Site plan showing contours, drainage containment areas, parking spaces, sidewalks, buffers, site lighting and details, etc.
    b. Landscape plan showing planting materials, designations, size, potted planting, window boxes, vines, etc. Trees will be identified by botanical name, quantity, and caliper. Shrubs will be identified by botanical name, quantity, and container size. Differentiate between existing and new landscaping.
    c. Parking lots: Provide calculations of total square footage and square footage designed for landscaping. Indicate handicapped spaces. Indicate size of parking spaces.
    d. Irrigation plan for all landscaped areas.
    e. Statement of maintenance policy and provisions.

Internal reviews/information

Meeting Date

Preliminary Review

Landscape Review

Architectural Review

Final Review of Materials

Other

Engineering Review

Record No.**DRB-26-6**

Status Completed

Type Approval

Assignee Ethan Fisher

Became Active April 22, 2026

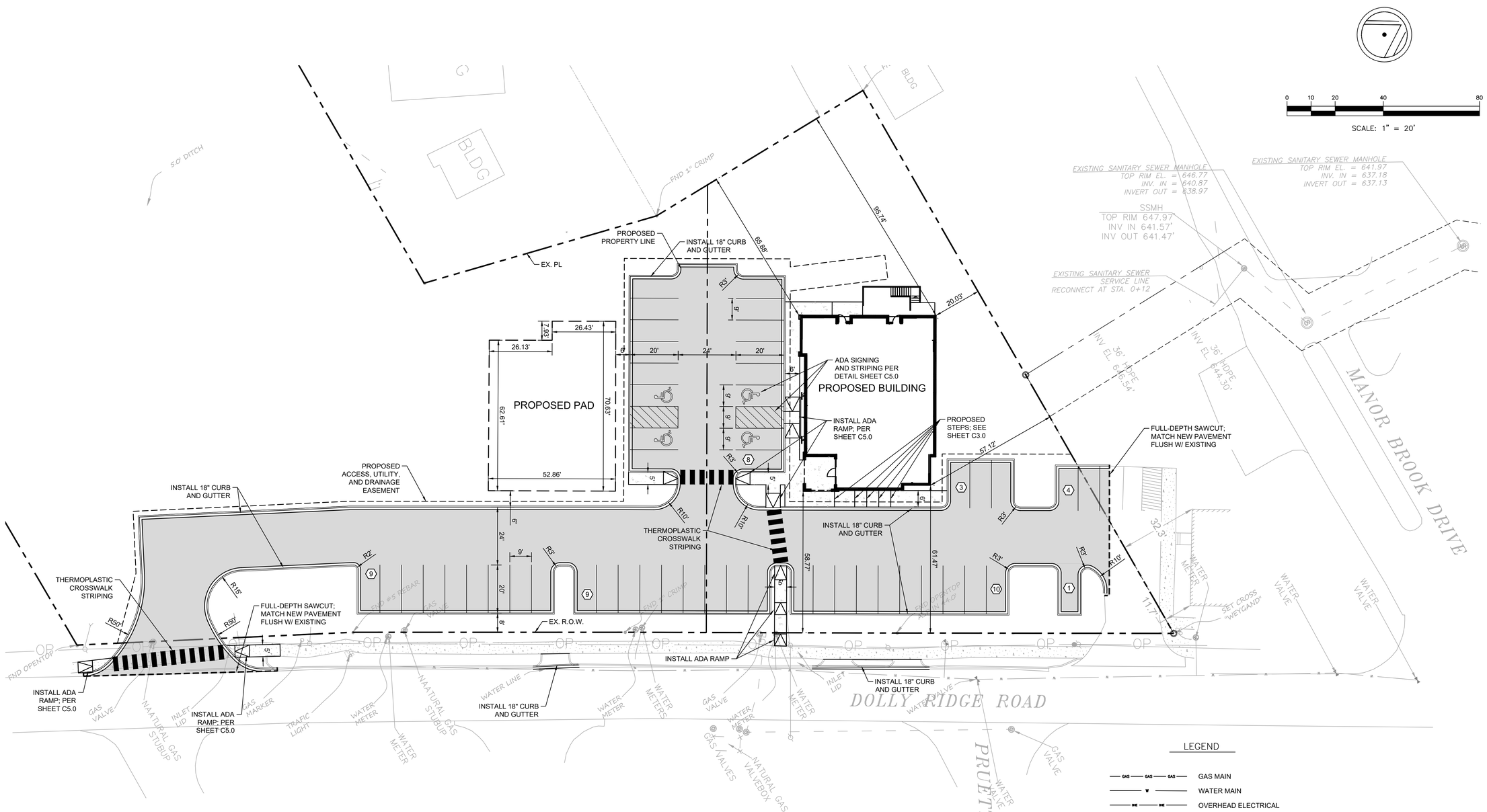
Due Date None

Record No: DRB-26-6

Design Review Board Application

Status: Active

Submitted On: 4/22/2026



LEGEND

- GAS MAIN
- WATER MAIN
- OVERHEAD ELECTRICAL
- CENTERLINE ROW
- PROPOSED ASPHALT PAVEMENT
- STANDARD CONCRETE
- HEAVY DUTY CONCRETE
- (#) PARKING COUNT

GENERAL NOTES:

1. ALL DIMENSIONS WITHIN PARKING AND DRIVE AREAS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

ACREAGE SUMMARY	
TOTAL DISTURBED AREA	1.1 AC

NOTES:
1. PP = POWER POLE
2. R/W = RIGHT-OF-WAY
3. (M) = MEASURED
4. (D) = DEED
5. AC = AIR CONDITIONER
6. GM = GAS METER
7. GV = GAS VALVE
8. WM = WATER METER
9. WV = WATER VALVE
10. FH = FIRE HYDRANT

Know what's below. Call before you dig.

Forty•4 Engineering Design
1703 McConnell Lane
Mount Olive, AL 35117
P: 205.876.4335
fortydot4.com

ALABAMA LICENSED 27017 PROFESSIONAL ENGINEER BRYAN S. PRESNELL
4/21/2026

Gunnels Pediatric Dental

Dolly Ridge Rd, Vestavia Hills, Alabama

Project # 25-171

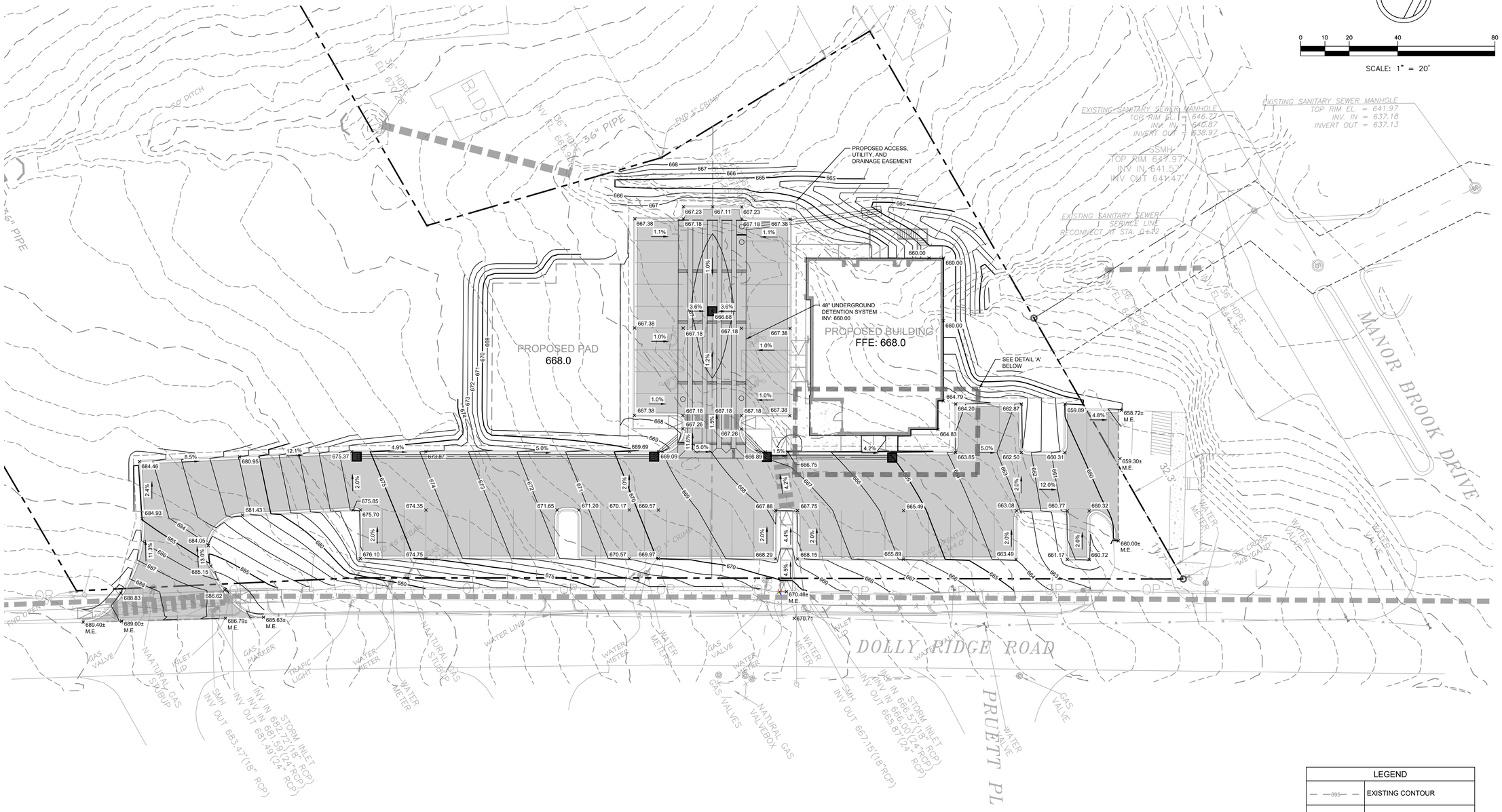
Drawing Date: April 21, 2026

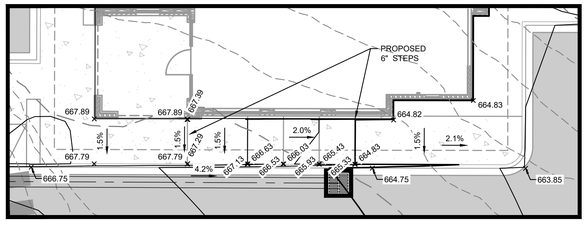
Revision(s) Date:

Sheet Title: **Site Plan**

Drawing: **C1.0**

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LAST SAVED: 4/21/2026 10:59 AM





DETAIL 'A'
SCALE: 1"=10'

LEGEND	
—695—	EXISTING CONTOUR
700	PROPOSED CONTOUR
×699.50	PROPOSED GRADE (TOP OF PAVEMENT)
ME	MATCH EXISTING

Know what's below. Call before you dig.

Forty•4 Engineering Design
1703 McConnell Lane
Mount Olive, AL 35117
P: 205.876.4335
fortydot4.com

ALABAMA LICENSED PROFESSIONAL ENGINEER
BRYAN S. PRESNELL
NO. 27017
4/21/2026

Gunnels Pediatric Dental

Dolly Ridge Rd, Vestavia Hills, Alabama

Project # 25-171

Drawing Date: April 21, 2026

Revision(s) Date:

Sheet Title: **Grading Plan**

Drawing: **C3.0**

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LAST SAVED: 4/22/2026 2:15 PM

SCALE: 1" = 20'

STA: 0+00
CONNECT TO
UNDERGROUND
DETENTION
24" FL: 660.00

56 LF OF 24" TYPE II
ALUM. CMP S=2.35%

STA: 0+56
INSTALL:
1-SLOPED
HEADWALL
24" FL: 659.44

PROPOSED PAD
668.0

PROPOSED BUILDING
FFE: 668.0

STA: 0+00
CONNECT TO
UNDERGROUND
DETENTION
18" FL: 661.25

12 LF OF TYPE II
ALUM. CMP @ 1.0%

122 LF OF TYPE II
ALUM. CMP S=5.0%

12 LF OF TYPE II
ALUM. CMP S=1.17%

51 LF OF TYPE II
ALUM. CMP S=1.17%

28'

STA: 1+34
INSTALL:
1-GRATE INLET
RIM: 675.37
18" FL: 672.37

STA: 0+12
INSTALL:
1-GRATE INLET
RIM: 669.09
18" FL: 661.37 (OUT)

STA: 0+12
INSTALL:
1-GRATE INLET
RIM: 666.89
18" FL: 661.40

STA: 0+63
INSTALL:
1-GRATE INLET
RIM: 665.00
18" FL: 662.00

EXISTING SANITARY SEWER MANHOLE
TOP RIM EL. = 646.72
INV. IN = 640.87
INVERT OUT = 638.97

SSMH
TOP RIM 647.97'
INV IN 641.57'
INV OUT 641.47'

EXISTING SANITARY SEWER
SERVICE LINE
RECONNECT AT STA. 0+02

EXISTING SANITARY SEWER MANHOLE
TOP RIM EL. = 641.97
INV. IN = 637.18
INVERT OUT = 637.13

INV EL 665.64' 6" HDPE

INV EL 636.30' 36" HDPE

INV EL 670.94' 36" HDPE

INV EL 656.93' 36" HDPE

36" PIPE

BLDG

MANOR BROOK DRIVE

DOLLY RIDGE ROAD

PRUETT PL

X670.71

NATURAL GAS STUBUP

SMH
INV OUT 683.47'(18" RCP)

INV IN 682.72'(18" RCP)
INV IN 681.59'(24" RCP)
INV OUT 681.49'(24" RCP)
STORM INLET

WATER METER

NATURAL GAS STUBUP

WATER METERS

GAS VALVES

NATURAL GAS VALVEBOX

WATER METER

SMH
INV OUT 687.15'(18"RCP)

INV IN 686.57'(18" RCP)
INV IN 686.00'(24" RCP)
INV OUT 685.87'(24" RCP)
STORM INLET

WATER VALVE

GAS VALVE

WATER METER

WATER VALVE

WATER VALVE

Drainage Calculation:

Pre-development (100-Year) Peak Runoff from site: 7.240 cfs

Post development (100-Year) Peak Runoff from site: 6.824 cfs

Know what's below. Call before you dig.

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Mount Olive, AL 35117
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fortydot4.com

ALABAMA LICENSED
No. 27017
PROFESSIONAL ENGINEER
BRYAN S. PRESSNELL
4/21/2026

Gunnels Pediatric Dental

Dolly Ridge Rd, Vestavia Hills, Alabama

Project #
25-171

Drawing Date:
April 21, 2026

Revision(s) Date:

Sheet Title:

Drainage Plan

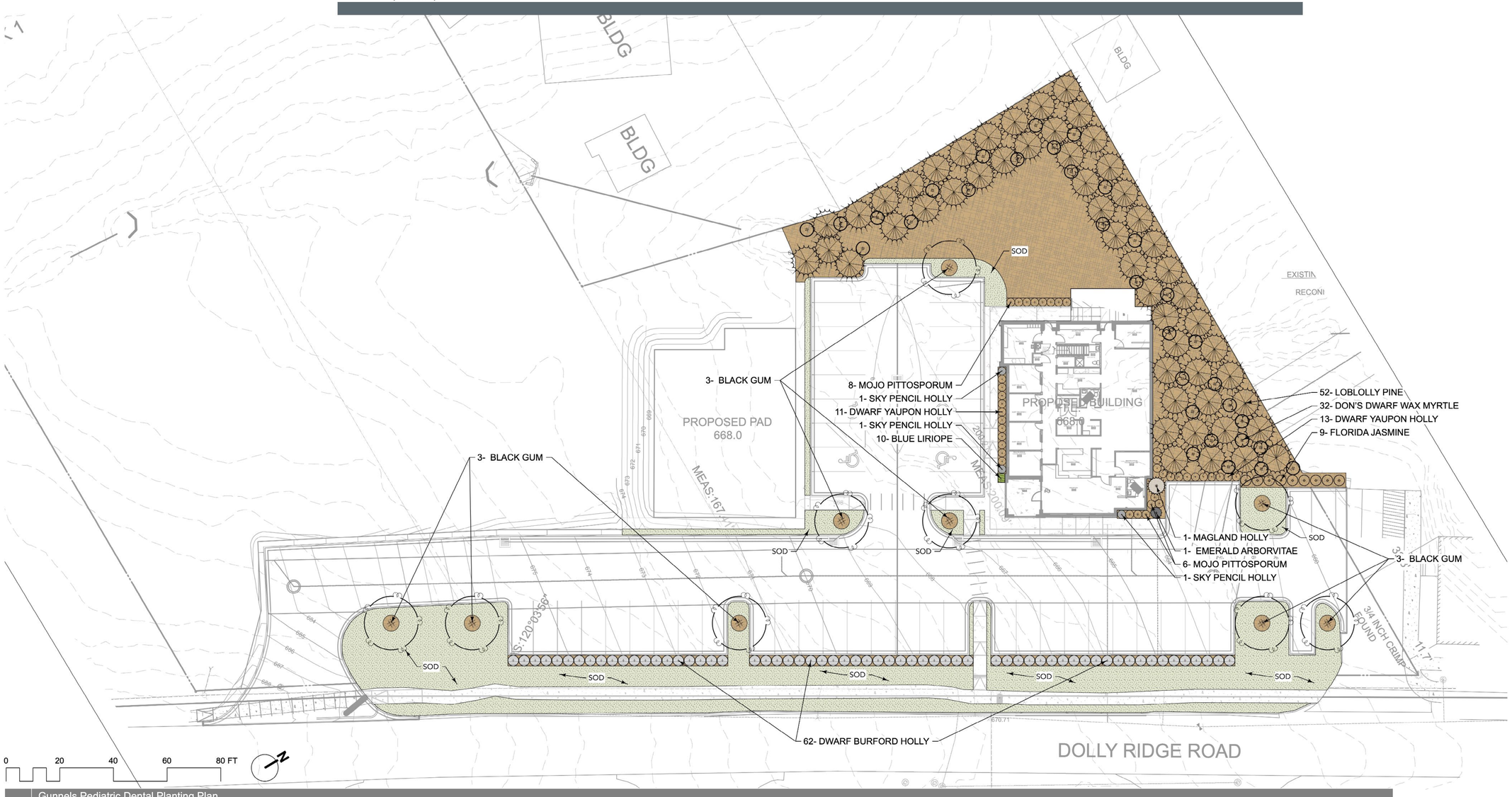
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LAST SAVED: 4/21/2026 11:51 AM

GUNNELS PEDIATRIC DENTAL PLANT MATERIALS SCHEDULE

Count	Scientific Name	Common Name	Size	Spacing	Root	Remarks
	Trees					
52	Pinus taeda	Loblolly Pine	5 Gal.	±10' o.c.	Cont.	Full Plant
32	Myrica cerifera	Wax Myrtle	5 Gal.	±10' o.c.	Cont.	Full plant
9	Nyssa sylvatica	Black Gum	2" cal.	As Indicated	B&B	Full Head, Strong Central Leader
	Shrubs					
1	Thuja occidentalis 'Smaragd'	Emerald Arborvitae	4- 6' ht.	4' o.c.	Cont.	Full plant
24	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	15- 18" sp.	3' o.c.	Cont.	Full Plant
14	Pittosporum tobira 'CNI Three' PP16188	Mojo Pittosporum	15- 18" sp.	3' o.c.	Cont.	Full Plant
62	Ilex cornuta 'Burfordii Nana'	Dwarf Burford Holly	24- 30" ht.	4' o.c.	Cont.	Full Plant
3	Ilex crenata 'Sky Pencil'	Sky Pencil Holly	24- 30" ht.	3' o.c.	Cont.	Full Plant
9	Jasminum floridum	Florida Jasmine	18- 24" ht.	4' o.c.	Cont.	Full Plant
1	Ilex attenuata 'Magland'	Magland Holly	4- 6' ht.	6' o.c.	Cont.	Full Plant
	Groundcover					
10	Liriope muscari 'Big Blue'	Big Blue Liriope	1 gal.	12" o.c.	Cont.	Full Plant
	Miscellaneous					
SOD	Cynodon dactylon '419'	Bermuda Sod		Solid Sod		Solid sod



1 Gunnels Pediatric Dental Planting Plan
Scale: 1" = 20'-0"

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Environmental Design Studio
Landscape Architecture
Site Planning
phone: 205.585.8414
environmentaldesignstudio.com

STATE OF ALABAMA
DUANE R. PRITCHETT
NUMBER 418
REGISTERED LANDSCAPE ARCHITECT

Forty • 4 Engineering

Gunnels Pediatric Dental

Dolly Ridge Road, Vestavia Hills, Alabama

REVISIONS

DATE:	4/22/26
SCALE:	Scale
PROJECT MANAGER:	Duane Pritchett
DRAWN:	drp
REVIEWED:	drp
PROJECT NO:	

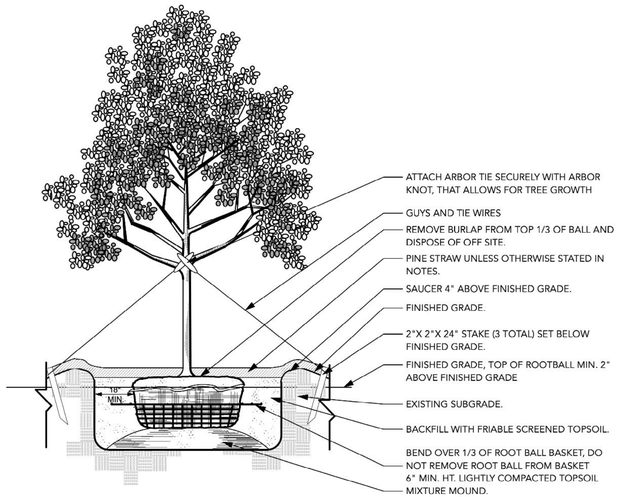
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Planting Plan

SHEET NUMBER:

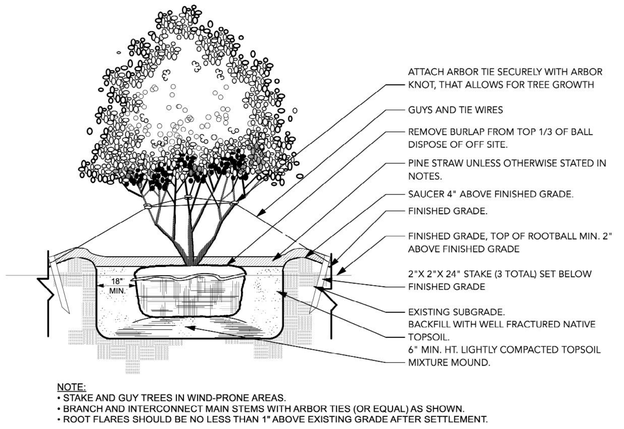
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SEQUENCE: 1 of 2



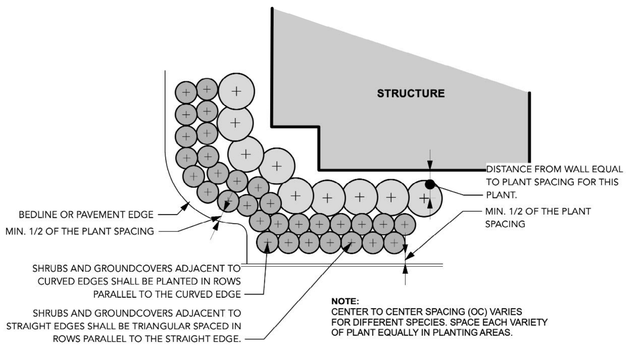
NOTE:
• STAKE AND GUY TREES IN WIND-PRONE AREAS.
• ROOT FLARES SHOULD BE NO LESS THAN 1" ABOVE EXISTING GRADE AFTER SETTLEMENT.

1 B&B Tree Planting Detail
Scale: Actual Size



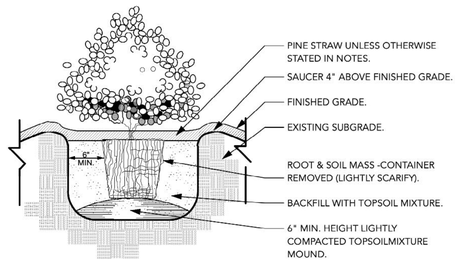
NOTE:
• STAKE AND GUY TREES IN WIND-PRONE AREAS.
• BRANCH AND INTERCONNECT MAIN STEMS WITH ARBOR TIES (OR EQUAL) AS SHOWN.
• ROOT FLARES SHOULD BE NO LESS THAN 1" ABOVE EXISTING GRADE AFTER SETTLEMENT.

2 Multi-Trunk Tree Planting Detail
Scale: Actual Size

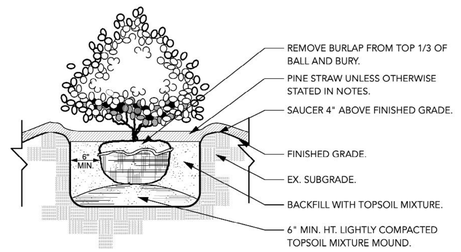


NOTE:
CENTER TO CENTER SPACING (OC) VARIES FOR DIFFERENT SPECIES. SPACE EACH VARIETY OF PLANT EQUALLY IN PLANTING AREAS.

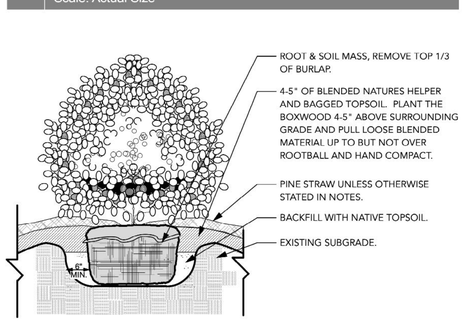
9 Typical Plant Layout Detail
Scale: Actual Size



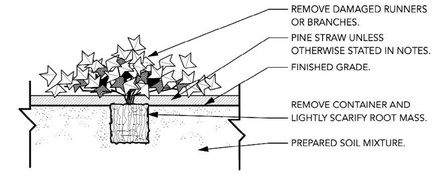
3 Container Shrub Planting Detail
Scale: Actual Size



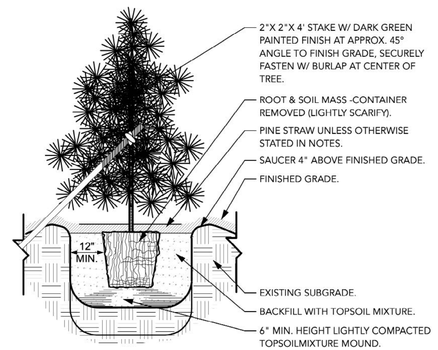
4 B&B Shrub Planting Detail
Scale: Actual Size



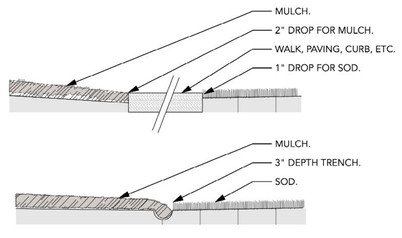
5 Boxwood Planting Detail
Scale: Actual Size



6 Groundcover Planting Detail
Scale: Actual Size



7 Liner Pine Planting Detail
Scale: Actual Size



8 Edging Detail
Scale: Actual Size

LIST OF APPROVED NURSERIES:

HUNTER TREES, LLC

Toll Free:	1-866-348-6837
Fax:	1-866-TREEFAX
Sales:	sales@huntertrees.com
Mailing Address:	P.O. Box 382733 Birmingham, Alabama 35238-2733
Physical Address:	700 Indian Valley Road Alpine, Alabama 35014

BOLD SPRINGS NURSERY, INC.

Office:	(770) 267-9196
Fax:	(770) 267-8803
Sales:	boldspring@mindspring.com
Physical:	3920 Bold Springs Rd.
Address	Monroe, Georgia 30656

TOTALSCAPE FARMS

Office:	(205) 422-7577
Fax:	(205) 481-8937
Sales:	don@totalscapefarms.com
Physical Address:	216 1st St N Bessemer, Alabama 35020

SELECT TREES, INC

Phone:	(706) 769-9879
Fax:	(706) 769-4528
Sales:	sales@selecttrees.com
Physical Address:	1900 Cole Springs Rd. Bishop, Georgia 30621

PLANTATION TREE COMPANY

Toll Free:	1-800-848-5064
Telephone:	(334) 875-9176
Cell:	(334) 313-2063
Fax:	(334) 872-9621
Physical: Address	120 County Rd. 15 South Selma, Alabama 36703

GREEN VALLEY FARMS

Phone:	(205) 665-1355
sales:	jeremygvf@gmail.com
Physical Address:	12975 Highway 17 Montevallo, Alabama 35115-8730

ADDITIONAL NURSERIES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.

GENERAL PLANTING NOTES

1. CONTRACTOR SHALL HAVE FULL SIZE DRAWINGS ON SITE AT ALL TIMES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITE INSPECTION PRIOR TO LANDSCAPE CONSTRUCTION AND INSTALLATION IN ORDER TO ACQUAINT HIMSELF WITH EXISTING CONDITIONS. CONTRACTOR SHALL, FOR HIS OWN PROTECTION, BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING CONSTRUCTION.
3. DUE TO MODIFICATIONS MADE DURING CONSTRUCTION, SITE CONDITIONS MAY VARY FROM THOSE SHOWN. CONTRACTOR TO VERIFY ALL SUCH CONDITIONS TO HIS SATISFACTION. NO CHANGE IN CONTRACT PRICE WILL BE GRANTED FOR FAILURE TO OBSERVE THIS REQUIREMENT.
4. CONTRACTOR TO VERIFY ALL PLANT MATERIAL QUANTITIES AND PLANTING AREA DIMENSIONS PRIOR TO BEGINNING PLANTING. PROVIDE QUANTITIES AS REQUIRED TO MEET DESIGN INTENT AND REPORT ANY DIFFERENCES.
5. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL OR WORK CONSTRUCTED OR IMPLIED BY THESE PLANS, AT ANY TIME THROUGHOUT THE PROJECT.
6. CONTRACTOR SHALL STAKE TREE LOCATIONS AND LAY OUT BEDLINES 48 HOURS PRIOR TO PLANTING AND NOTIFY LANDSCAPE ARCHITECT FOR REVIEW. A MINIMUM 24 HOUR NOTICE SHOULD BE GIVEN AND ANTICIPATED BY THE CONTRACTOR FOR THIS REVIEW.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 2% SLOPE OR GREATER IN ALL PLANT AREAS.
8. CLEANUP AND DISPOSE OF OFF OWNER'S PROPERTY ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS FOLLOWING COMPLETION AND LEAVE NEAT, CLEAN AND READY FOR OWNER'S USE.
9. CONTRACTOR SHALL GUARANTEE ALL WORK AND PLANT MATERIAL, INCLUDING SEED AND/OR SOD, FOR ONE FULL YEAR FROM DATE OF FINAL ACCEPTANCE.
10. ALL SHRUB AREAS SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 6". ALL TURF (SEEDED OR SODDED) AREAS SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 3", UNLESS SPECIFIED OTHERWISE IN THE PLANS.
11. ALL TURF (SEEDED OR SODDED) AREAS SHALL HAVE SOIL TESTED BY TESTING LAB. FERTILIZER AND LIME APPLICATION REGIME SHALL BE DEVELOPED AND FOLLOWED PER LANDSCAPE ARCHITECT REVIEW.
12. ALL PLANTING BEDS AND TREE PITS SHALL BE MULCHED WITH A 3" SETTLED LAYER OF PINE STRAW MULCH.
13. PLANTS SHALL BE WELL FORMED, VIGOROUS GROWING SPECIMENS WITH GROWTH TYPICAL OF VARIETIES SPECIFIED AND SHALL BE FREE FROM INJURY, INSECTS, AND DISEASES. PLANTS SHALL EQUAL OR SURPASS QUALITY AS DEFINED IN THE CURRENT ISSUE OF "AMERICAN STANDARDS FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERYMEN, INC.
14. ALL PLANT MATERIAL SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN. ALL SHRUBS, TREES, AND GROUNDCOVERS SHALL BE PLANTED WITH A SOIL MIXTURE CONSISTING OF 50% TOPSOIL AND 50% ORGANIC MATERIAL.
15. ALL TREES AND SPECIMEN PLANT MATERIAL SHALL BE LOCATED BY THE CONTRACTOR AT APPROVED NURSERIES OR THEIR EQUAL WHICH MUST BE APPROVED PRIOR TO BIDDING.
16. FRONT ROW OF SHRUBS SHALL BE PLANTED MINIMUM 24" BEHIND BEDLINE AT LAWNS, WALKS, AND BACK OF CURB AT PARKING SPACES.
17. BACK ROW OF SHRUB PLANTING SHALL BE PLANTED 36" OFF FACE OF BUILDING WALL, GROUNDCOVERS SHALL BE PLANTED MINIMUM 12" OUT FROM BUILDING.
18. EXCAVATE EDGE OF ALL PLANTING BEDS TO 4" DEPTH TO FORM A NEAT, CRISP EDGE.
19. SEASONAL COLOR SHALL BE PLANTED IN A FLOWERING STATE.
20. REMOVE ALL GUY WIRES AND STAKES AT END OF GUARANTEE PERIOD.
21. AMEND ALL PLANTING HOLES AT TIME OF PLANTING WITH AGRIFORM FERTILIZATION TABLETS AT THE RATE RECOMMENDED BY THE MANUFACTURER.
22. PINESTRAW ALL DISTURBED AREAS NOT OTHERWISE NOTED.
23. CONTRACTOR SHALL PROVIDE 12 MONTH WARRANTY FOR ALL WORK AND MATERIALS.
24. SHRUB TO BEAR SAME RELATION TO FINISHED GRADE AFTER SETTLEMENT AS IT BORE TO PREVIOUS GRADE.
25. THE CONTRACTOR SHALL PROVIDE STRAW MULCH, WATER, STRAW MAT OR HYDROSEED MULCH AS REQUIRED TO PROVIDE SOLID STAND OF GRASS, IN AREAS TO BE SEEDED.
26. INSTALL LEBANON TURF, ROOTS, TERRA-SORB MEDIUM. TREE AND SHRUB PLANTING: MIX ROOTS TERRA-SORB EVENLY WITH THE BACKFILL SOIL AT A RATE OF 2 OUNCES (BY WEIGHT) PER INCH CALIPER FOR BALLED AND BURLAPPED TREES AND SHRUBS, OR 1 OUNCE (BY WEIGHT) PER 5 GALLONS FOR CONTAINERIZED TREES AND SHRUBS. SEE MANUFACTURER'S INSTRUCTIONS.

IRRIGATION NOTES:

1. VERIFY REQUIRED PRESSURE PRIOR TO CONSTRUCTION. INCLUDE PRESSURE COMPENSATING HEADS, VALVES AND/OR REGULATOR AS NECESSARY.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE POWER SUPPLY REQUIREMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE DESIGN/BUILD IRRIGATION SYSTEM INCLUDING TAP, FEES, PIPE, HEADS, CONTROLLER, ETC.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL SLEEVING AS REQUIRED PER SITE CONDITIONS.
5. IRRIGATION SYSTEM SHALL BE COVERED UNDER A ONE YEAR WARRANTY.
6. PROVIDE ALL LABOR, MATERIALS, APPLIANCES, EQUIPMENT, SERVICES AND INCIDENTALS NECESSARY FOR FURNISHING, INSTALLING AND TESTING, COMPLETE AND READY FOR OPERATION, IN A MANNER SATISFACTORY TO THE OWNER, THE IRRIGATION SYSTEM REQUIRED BY THE DRAWINGS.
7. LAY OUT IRRIGATION HEADS FOR EACH STATION PRIOR TO PLACEMENT TO ENSURE INDIVIDUAL PLANTING AREA COVERAGE. NOTIFY LANDSCAPE ARCHITECT FOR VERIFICATION OF LAYOUT.
8. LAY MAIN PIPE RUN TO A DEPTH OF 18" MINIMUM FROM FINISH GRADE AND LATERALS TO A DEPTH OF 12" MINIMUM.
9. ALL IRRIGATION SHALL BE ADJUSTED AS REQUIRED TO SERVE NEW PLANTINGS, AND ANNUALS EACH SHALL BE PROVIDED WITH THEIR OWN ZONE, SOD, SHRUBS, AND GROUNDCOVER SHALL BE ON SEPARATE ZONES.
10. DUE TO MODIFICATIONS MADE DURING CONSTRUCTION, SITE CONDITIONS MAY VARY FROM THOSE SHOWN. VERIFY ALL SUCH CONDITIONS AS WELL AS THE PRESENCE AND LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NO CHANGE IN CONTRACT PRICE WILL BE GRANTED FOR FAILURE TO OBSERVE THIS REQUIREMENT.
11. COORDINATE THE LOCATION OF THE CONTROLLER WITH THE OWNER.
12. CONTROL WIRING: SPRINKLER WIRE, NO. 14 UF; SINGLE, SOLID, COPPER CONDUCTOR.
13. CONNECTION TO WATER LINE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
14. CLEANUP AND DISPOSE OF OFF OWNER'S PROPERTY ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS FOLLOWING COMPLETION AND LEAVE NEAT, CLEAN AND READY FOR OWNER'S USE.
15. ALL WORK WILL CONFORM TO CODES AND REGULATIONS ISSUED BY ANY GOVERNING AUTHORITIES. OBTAIN ALL PERMITS, LICENSES, ETC. REQUIRED FOR EXECUTION OF WORK.
16. ALL IRRIGATION SHALL BE IN PERFECT WORKING ORDER AND LIKE NEW CONDITION AT CLOSE OF CONSTRUCTION.
17. ALL IRRIGATION HEADS IN SHRUB BEDS ARE TO BE 12" POP-UPS. HEADS LOCATED IN SOD AREAS ARE TO BE 4" POP-UPS.

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Environmental Design Studio
Landscape Architecture
Site Planning
phone: 205.585.8414
environmentaldesignstudio.com

STATE OF ALABAMA
DUANE R. PRITCHETT
NUMBER 418
REGISTERED LANDSCAPE ARCHITECT

Forty•4 Engineering
Gunnels Pediatric Dental
Dolly Ridge Road, Vestavia Hills, Alabama

REVISIONS

DATE:	4/22/26
SCALE:	Scale
PROJECT MANAGER:	Duane Pritchett
DRAWN:	drp
REVIEWED:	drp
PROJECT NO:	

SHEET TITLE :

Planting Details

SHEET NUMBER:
L-2.0

SEQUENCE: 2 of 2

AREA MAP



LOCATION MAP
NOT TO SCALE

SUMMIT SMILES- DR GUNNELS

4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

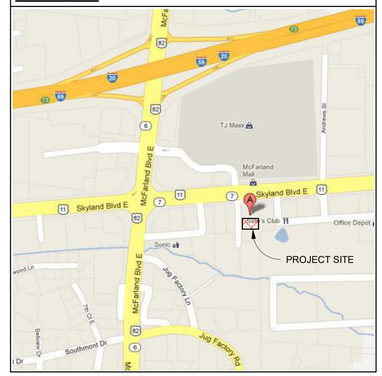
BWA PROJECT # 25055

CONSTRUCTION DOCUMENTS

04.06.26 PERMIT



VICINITY MAP



APPLICABLE CODES

2021	INTERNATIONAL BUILDING CODE
2021	INTERNAT'L. ENERGY CONSERVATION CODE
2021	INTERNATIONAL MECHANICAL CODE
2021	INTERNATIONAL PLUMBING CODE
2021	INTERNATIONAL FUEL GAS CODE
2021	INTERNATIONAL FIRE CODE
2020	NATIONAL ELECTRICAL CODE
2017	ANSII/ A117.1 ADA

PROJECT TEAM

OWNER REP
RFI Builders
524 32nd St South
Birmingham, AL 35233
205-568-8646
Attn: Ryan Freeman
ryan@rfibuilders.com

ARCHITECT
Bill Whittaker, P.C. Architecture
236 Martin Street
Anniston, AL 36206
256-689-0238
Attn: Bill Whittaker
bill@billwarch.com

SURVEYOR/CIVIL ENGINEER
(SUBMITTED UNDER SEPARATE COVER)
Forty dot 4 Engineering
205-876-4335
Attn: Bryan Pressnell

STRUCTURAL ENGINEER
LBYD, Inc.
880 Montclair Road, Suite 600
Birmingham, AL 35213
205-251-4500
Attn: Bill Wilson

MECHNICAL/PLUMBING/FIRE PROTECTION ENGINEER
Zgouvas Eiring & Associates
800 S McDonough St # 200
Montgomery, AL 36104
334-263-4406
Attn: Jay Eiring

ELECTRICAL ENGINEER
Ramsey Engineering
7409 Cobblefield Dr.
Owens Cross Roads, AL 35763
256-684-9445
Attn: Clark Ramsey

DRAWING INDEX

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T1.1	GENERAL NOTES
T1.2	SPECIFICATIONS
T1.3	SPECIFICATIONS
T1.4	SPECIFICATIONS
T1.5	SPECIFICATIONS
T1.6	SPECIFICATIONS
T1.7	SPECIFICATIONS
T2.0	DRAWING INDEX, ABBREVIATIONS, SYMBOLS & GENERAL INFORMATION
T3.0	BUILDING PERSPECTIVES
LIFE SAFETY	
LS1.1	LIFE SAFETY PLANS AND NOTES
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A1.1	ARCHITECTURAL SITE PLAN
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A8.1	INTERIOR ELEVATIONS & CABINET DETAILS
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S1.6	TYPICAL DETAILS
S1.7	TYPICAL DETAILS
S1.8	TYPICAL DETAILS
S1.9	SHEAR WALL PLAN
S2.0	FOUNDATION PLAN
S2.1	MEZZANINE FRAMING PLAN
S2.2	ROOF FRAMING PLAN
S3.1	SECTIONS

DRAWING INDEX

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E3.3	LIGHTING DETAILS
E4.0	RISER DIAGRAMS
E5.0	ELECTRICAL SCHEDULES
Grand total: 56	

CIVIL DRAWINGS AND DENTAL EQUIPMENT DRAWINGS SUBMITTED UNDER SEPARATE COVER

DRAWINGS PREPARED FOR

RYAN FREEMAN INC

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

PREPARED FOR
RFI BUILDERS

ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
TITLE SHEET

SHEET
T1.0

STATE OF ALABAMA
WILLIAM
WHITTAKER
6524
REGISTERED ARCHITECT

4/10/2026 11:52:49 AM

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GENERAL

1. THE SPECIFICATIONS ARE A VITAL PART OF THE PROJECT DOCUMENTS. THE NOTES THAT FOLLOW BY DIVISION ARE FOR CLARIFICATION AND CONSIDERED PART OF THE CONSTRUCTION CONTRACT REQUIREMENTS AND IN PART OF AND IN ADDITION TO THE PROJECT SPECIFICATIONS.
2. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL READ AND BE FULLY VERSED WITH GENERAL CONDITIONS WHICH ARE PART OF THE CONSTRUCTION CONTRACT.
3. THE ARCHITECT IS NOT RESPONSIBLE FOR PROJECT SAFETY AND WILL NOT ASSUME THAT RESPONSIBILITY, BUT MAY NOTIFY THE CONTRACTOR TO OBVIOUS UNSAFE CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR SAFETY STANDARDS AND PRACTICES DURING THE EXECUTION OF THE WORK.
4. CLARIFICATION OF DEFINITIONS: UNLESS OTHERWISE NOTED:
   - 4.A. ALIGN: PROVIDE FINISH FACES OF MATERIALS IN STRAIGHT, TRUE, AND PLUMB RELATION TO ADJACENT MATERIALS
   - 4.B. AS REQUIRED: PROVIDE THE SPECIFIED COMPONENTS TO COMPLETE THE NOTED SYSTEMS.
   - 4.C. SIMILAR: PROVIDE COMPLETE COMPONENTS FOR THE SYSTEM INDICATED THAT ARE COMPARABLE TO THE CHARACTERISTICS FOR THE CONDITION NOTED.
   - 4.D. TYPICAL: INDICATES COMPLETE IDENTICAL SYSTEM SHALL BE PROVIDED FOR EACH OCCURRENCE OF THE CONDITION NOTED.

5. **THE GENERAL CONTRACTOR SHALL GUARANTEE THE ROOFING AND ASSOCIATED WORK INCLUDING BUT NOT LIMITED TO ALL FLASHING AND COUNTER FLASHING BOTH COMPOSITION AND METAL, ROOF DECKING AND/OR SHEATHING; ALL MATERIALS USED AS A ROOF SUBSTRATE OR INSULATION OVER WHICH ROOF IS APPLIED; PROMENADE DECKS OR ANY OTHER WORK ON THE SURFACE OF THE ROOF; METAL WORK; GRAVEL STOPS AND ROOF EXPANSION JOINTS TO BE ABSOLUTELY WATERTIGHT AND FREE FROM ALL LEAKS, DUE TO FAULTY OR DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF FIVE (5) YEARS, STARTING ON THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT, TO THE SAME STANDARD AS STATE OF ALABAMA DCM FORM C-9.**

DIVISION 1

1. THE TERM OF CONTRACTOR IN THESE NOTES REFERS TO THE CONTRACTOR WHO HAS THE PRIME CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK IN THE CONSTRUCTION DOCUMENTS. THE TERM CONSTRUCTION DOCUMENTS REFERS TO DRAWINGS AND SPECIFICATIONS.
2. REFERENCES TO WORK BY SUBCONTRACTORS IN THE CONSTRUCTION DOCUMENTS DO NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND ASSIGNING OF WORK TO THE VARIOUS TRADES.
3. ALL WORK BY THE CONTRACTOR, SUBCONTRACTORS, AND SEPARATE CONTRACTORS EMPLOYED BY THE OWNER ARE TO BE COORDINATED AND SHOWN ON THE CONSTRUCTION SCHEDULE.
4. COORDINATION AND REVIEW OF TRADES AND THEIR REQUIREMENTS IS PART OF THE CONTRACTORS RESPONSIBILITY. IF CONFLICTS ARE FOUND THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IMMEDIATELY PRIOR TO PROCEEDING WITH THE WORK.
5. IF DISCREPANCIES ARE FOUND BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE OBVIOUS CORRECT INTENT SHALL GOVERN. REFER ALL OTHER UNCERTAINTIES TO THE ARCHITECT IMMEDIATELY. IF DISCREPANCIES RESULT IN A MORE EXPENSIVE REQUIREMENT AND THE G.C. DID NOT REQUEST CLARIFICATION DURING BID, IT WILL THEN BE REQUIRED THAT G.C. TO PROVIDE THE MOST COSTLY OF REQUIREMENTS. G.C. HAS A DUTY TO THOROUGHLY REVIEW DOCUMENTS DURING BID AND TO INCLUDE ALL COSTS NECESSARY TO PROVIDE ALL REQUIREMENTS FOR DESIGN INTENT.
6. REQUESTS FOR INFORMATION (RFI'S) SHALL BE USED EXCLUSIVELY TO SEEK CLARIFICATION OR INFORMATION. RFI'S MAY BE DISCARDED IF THE QUESTIONS CAN EASILY BE FOUND BY LOOKING IN THE CONSTRUCTION DOCUMENTS.
7. THE INTENT OF THE COMPLETED PROJECT IS MEET A MINIMUM STANDARD OF HEALTH, SAFETY, AND WELFARE OF THE PUBLIC. THEREFORE THE COMPLETED WORK IS TO MEET ALL LIFE SAFETY REQUIREMENTS, APPLICABLE CODES, ACCESSIBILITY REQUIREMENTS, RULES AND LAWS OF AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL REPORT ANY AND ALL UNCERTAINTIES OR VIOLATIONS TO THE ARCHITECT FOR RESOLUTION.
8. THE DIVISION 1 SECTIONS OF THE PROJECT SPECIFICATIONS CONTAIN INFORMATION AND REQUIREMENTS APPLICABLE TO ALL SECTIONS IN THE PROJECT SPECIFICATIONS. ISSUING PARTIAL SETS OF CONSTRUCTION DOCUMENTS IS DISCOURAGED BY THE ARCHITECT AND THE OWNER. REGARDLESS OF THE SUBCONTRACTOR A COPY OF THE TABLE OF CONTENTS AND DIVISION ONE SHALL BE ISSUED TO THE THAT SUBCONTRACTOR.
9. THE CONTRACTOR SHALL PROVIDE TEMPORARY PARKING SPACES FOR THE ARCHITECT / ENGINEERS. CONTRACTOR TO KEEP READILY AVAILABLE A SET OF CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR USE DURING REGULAR SCHEDULED MEETINGS AND SITE VISITS BY ARCHITECT / ENGINEERS.
10. ALL PRODUCTS USED IN THE COMPLETION OF THE WORK SHALL BE NEW AND IN GOOD CONDITION UNLESS OTHERWISE NOTED.
11. UNLESS NOTED OTHERWISE, WARRANTIES SHALL NOT BEGIN UNTIL SYSTEMS ARE CERTIFIED TO BE OPERATIONAL REGARDLESS OF THE INSTALLATION DATE AND THE DATE FOR SUBSTANTIAL COMPLETION. (FOR EXAMPLE, IF THE OWNER IS FORCED TO OCCUPY THE BUILDING, AND SUBSTANTIAL COMPLETION IS GRANTED, IF A SYSTEM IS NOT FUNCTIONAL, THE BEGINNING WARRANTY DATE SHALL BE AS STATED ABOVE).
12. REGARDLESS OF THE AMOUNT, NO HAZARDOUS MATERIAL SHALL NOT BE INCORPORATED INTO THE WORK.
13. ARCHITECT SHALL BE INFORMED OF ANY MATERIAL CONTAINING MOLD. THAT MATERIAL SHALL BE REMOVED IMMEDIATELY FROM THE PROJECT WORK SITE.
14. ALL AIR AND MOISTURE PENETRATION INSPECTIONS AND TESTS SHALL BE COMPLETED PRIOR TO INSTALLATION OF ANY INTERIOR FINISH MATERIALS.
15. CONCRETE SLABS ON GRADE SHALL BE COMPLETED DRYING AND TESTED FOR ACCEPTABLE MOISTURE CONTENT PRIOR INSTALLATION OF FINISH FLOOR MATERIALS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING FINISH FLOOR MATERIALS PER MANUFACTURERS REQUIREMENTS AND TO PROVIDE ALL REQUIRED SUBSTRATES WETHER OR NOT SHOWN IN CONSTRUCTION DRAWINGS.
16. COMBUSTIBLE FUELS AND EQUIPMENT SHALL NOT BE STORED IN THE BUILDING.
17. IF INCORRECT DRAWING TITLES OR SPECIFICATION REFERENCES ARE FOUND THE CONTRACTOR IS NOTIFY ARCHITECT FOR CLARIFICATION.
18. DEFECTIVE WORK SHALL BE REPLACED PRIOR TO THE NEXT APPLICATION FOR PAYMENT.
19. DO NOT SCALE DRAWINGS. IF ADDITIONAL DIMENSION OR CLARIFICATION IS NEED, THE CONTRACTOR SHALL ISSUE AN RFI TO THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION. VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. ALL RFIs ARE TO BE SUBMITTED WITH PROPOSED SOLUTION OR WILL BE REJECTED.
20. ALL PREFABRICATED ITEMS SUCH AS WINDOWS, DOOR FRAMES, ETC. SHALL BE FIELD MEASURED. IT IS THE CONTRACTOR'S (WHO HOLDS THE PRIME CONTRACT) RESPONSIBILITY COORDINATE FIELD MEASUREMENTS. DO NOT RELY ON THE DIMENSIONS ON THE DRAWINGS.
21. THE CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS SUCH AS BUT NOT LIMITED TO, CEILING, ELECTRICAL, MECHANICAL, PLUMBING, FIRE PROTECTION.
22. THE MECHANICAL AND ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. THE INTENT OF THE DESIGN IS THAT ALL REQUIRED CLEARANCES FOR EQUIPMENT, INCLUDING POWER PANELS, SHALL BE PROVIDED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL OVERHEAD EQUIPMENT WITH ALL TRADES PRIOR TO INSTALLATION OF WORK. IF ADEQUATE CLEARANCES WILL NOT BE POSSIBLE WITHIN THE MECHANICAL ROOMS, ELECTRICAL ROOMS, OR CEILINGS FOR THE APPROVED EQUIPMENT, HE SHALL CONTACT THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
23. THERE ARE DETAILS, SECTIONS, AND NOTES THAT ARE INTENDED TO BE TYPICAL FOR THE GENERAL CONDITIONS IN THE PROJECT. REFER ANY UNCERTAINTIES TO ARCHITECT FOR CLARIFICATION.
24. WRITTEN APPROVAL IS REQUIRED FROM THE ARCHITECT AND OR ENGINEERS PRIOR TO REPRODUCING DRAWINGS FOR USE IN SHOP DRAWING SUBMITTALS. ANY DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM THE REQUIREMENT TO ACCURATELY LAY OUT, COORDINATE, DETAIL, FABRICATE, AND INSTALL A COMPLETE WORKABLE SYSTEM OF COMPONENTS. PROVIDING CAD, BIM, OR OTHER ELECTRONIC FILES WILL INCUR FEE TO BE PAID BY G.C., SUBCONTRACTOR, OR VENDOR AND WILL BE PROVIDED 'AS-IS'.
25. THE CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS WITHOUT THE ARCHITECT'S WRITTEN APPROVAL. ANY WORK THAT DEVIATES FROM THE CONSTRUCTION DOCUMENTS SHALL BE CONSIDERED UNACCEPTABLE AND REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
26. CHANGE ORDER PROPOSALS AFFECTING THE CONTRACT SUM SHALL BE APPROVED IN WRITING FROM THE OWNER PRIOR TO PROCEEDING WITH THE WORK. VERBAL AUTHORIZATION BY THE OWNER CAN BE MISUNDERSTOOD AND WILL NOT BE ACCEPTABLE FOR CHANGES IN THE CONSTRUCTION CONTRACT THEREFORE A WRITTEN APPROVAL IS STILL REQUIRED PRIOR TO PROCEEDING. ALL SUBMITTED CHANGE ORDER PROPOSALS SHALL BE IN NUMERICAL ORDER STARTING WITH 001 AND HAVE A BRIEF TITLE DESCRIPTION.
27. IF NOT INDICATED IN CIVIL DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF VERIFYING EXISTING CONDITIONS AND UTILITIES PRIOR TO START OF CONSTRUCTION.
28. AGAIN THE CONTRACTOR WHO HOLDS THE PRIME CONTRACT IS RESPONSIBLE FOR ALL WORK INCLUDING WORK DONE BY SUBCONTRACTORS. THE CONTRACTOR'S SUPERINTENDENT SHALL REPRESENT THE CONTRACTOR AND THE SUBCONTRACTORS. WHEN A PROBLEM ARISES DURING CONSTRUCTION, THE SUPERINTENDENT IS EXPECTED TO KNOW AND UNDERSTAND EACH PROBLEM AND HAVE REASONABLE SOLUTIONS TO RESOLVE THE ISSUE BEFORE CALLING THE ARCHITECT.
29. THE CONTRACTOR IS REQUIRED TO PROTECT THE WORK UNTIL SUBSTANTIAL COMPLETION INCLUDING THE INTERIOR REQUIRED TEMPERATURES AND HUMIDITY LEVELS FOR THE PRODUCTS INSTALLED.
30. SMOKING, EATING, AND DRINKING INSIDE THE BUILDING (OTHER THAN WATER) IS NOT ALLOWED.
31. THE CONTRACTOR SHALL REMOVE CONSTRUCTION DEBRIS, ESPECIALLY IN MASONRY CAVITIES, PRIOR TO ENCLOSING THE SPACES.
32. AIR HANDLING EQUIPMENT AND DUCTWORK SHALL BE PROTECTED TO PREVENT INFILTRATION OF DIRT AND DEBRIS AT ALL TIMES UNTIL EQUIPMENT IS OPERATIONAL.
33. UNLESS NOTED OTHERWISE IN THE PROJECT MANUAL, THE CONTRACTOR SHALL SUBMIT THE OPERATIONS AND MAINTENANCE MANUALS AT LEAST TWO WEEKS BEFORE THE FINAL INSPECTION IS SCHEDULED FOR SUBSTANTIAL COMPLETION. THE FINAL INSPECTION WILL NOT BE SCHEDULED UNTIL OPERATION AND MAINTENANCE MANUALS HAVE BEEN APPROVED.
34. THE CONSTRUCTION SCHEDULE SHALL ALLOW TIME FOR TESTING AND BALANCING PRIOR TO SUBSTANTIAL COMPLETION. THE PROJECT WILL NOT BE CONSIDERED SUBSTANTIALLY COMPLETE UNTIL THE TESTING AND BALANCING HAS BEEN COMPLETED.
35. REQUEST FOR FINAL INSPECTION SHALL BE IN WRITING TO THE ARCHITECT.
36. WHEN APPLICABLE, ALL DEMONSTRATION AND TRAINING OF OWNER'S PERSONNEL SHALL BE COMPLETE BEFORE THE PROJECT IS CERTIFIED TO BE SUBSTANTIALLY COMPLETE BY THE ARCHITECT.
37. THE CONTRACTOR SHALL CONDUCT TWO POST CONSTRUCTION INSPECTIONS;
    1) THE FIRST INSPECTION WILL BE HELD APPROXIMATELY 8 MONTHS AFTER SUBSTANTIAL COMPLETION TO ADDRESS PLUMBING, HVAC, AND ELECTRICAL CONCERNS;
    2) THE SECOND INSPECTION WILL BE HELD PRIOR TO EXPIRATION OF THE 1-YEAR WARRANTY PERIOD TO ADDRESS GENERAL CONSTRUCTION, INCLUDING THE ABOVE. ALL PROBLEMS DISCOVERED DURING THESE INSPECTIONS THAT RELATE TO DEFECTIVE MATERIALS AND WORKMANSHIP SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
38. **THERE WILL BE A PER HOUR CHARGE TO THE CONTRACTOR FOR ANSWERING RFI'S THAT ARE DEEMED UNNECESSARY BY THE ENGINEER.**
39. NOTE THAT APA RESTROOMS REQUIRED CLEARANCE ARE SHOWN FROM FACE OF FINISH TO FACE OF FINISH MEASURED AT THE FLOOR LEVEL.

DIVISION 2

1. CONSTRUCTION DOCUMENTS INDICATING EXISTING CONDITIONS SUCH AS ROADS, TREES, UTILITIES, ETC., ARE APPROXIMATE. .CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. THE USE OF EXPLOSIVES IN OR DURING CONSTRUCTION IS NOT ALLOWED.
2. UNLESS NOTED OTHERWISE, GEOTECHNICAL REPORTS ARE FOR INFORMATION ONLY WHETHER OR NOT BOUND INTO THE PROJECT MANUAL.
3. TERMITICIDES USE AND APPLICATION SHALL BE WITNESSED BY THE ARCHITECT AND CERTIFIED IN WRITING BY THE CONTRACTOR.
4. UNLESS SPECIFICALLY EXCLUDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING OF NEW GRASS, TREES, AND OTHER VEGETATION DUE TO DRY CONDITIONS. THE CONTRACTOR IS RESPONSIBLE TO RE-ESTABLISH THOSE AREAS THAT PERISH DO TO INSUFFICIENT WATERING, AND THIS IS A REQUIREMENT PRIOR TO FINAL PAYMENT BEING RELEASED.

DIVISION 3

1. **CONTRACTOR IS RESPONSIBLE FOR TESTING NEW AND EXISTING SLAB FOR MOISTURE CONTENT AND ENSURE THAT IT MEETS MININMUM REQUIREMENTS OF MANUFACTURER'S INSTALLATION REQUIREMENTS. CONTRACTOR SHALL PAY FOR ALL TESTING.**
2. **ALL CONCRETE SLAB FLATNESS AND LEVELNESS SHALL BE "VERY FLAT" CLASSIFICATION BY DEFAULT, UNLESS OTHERWISE NOTED.**

DIVISION 4

1. IF NOT INDICATED OR UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, PROVIDE CONTROL JOINTS IN CMU WALLS IN ACCORDANCE WITH ACI 530.1, HOWEVER NO MORE THAN 28 FEET ON CENTER AND WHERE WALLS CHANGE HEIGHT IN THE PLANE OF THE WALL. ARCHITECT TO APPROVE JOINT LOCATIONS.
2. IF NOT INDICATED OR UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, PROVIDE EXPANSION JOINTS IN CLAY MASONRY. HOWEVER NO MORE THAN 24 FEET ON CENTER. ARCHITECT TO APPROVE JOINT LOCATIONS.
3. HORIZONTAL MASONRY DIMENSIONS ARE NOMINAL. CONTRACTOR SHALL CONVERT NOMINAL DIMENSIONS TO ACTUAL DIMENSIONS TO MAINTAIN MASONRY BOND PATTERN. FOR EXAMPLE, 1'-4" EQUALS 1'-3 5/8". OPENINGS ARE ALWAYS 3/8-INCHES WIDER THAN THE NOMINAL DIMENSION; I.E., 4'-0" M.O. EQUALS 4'-0 3/8".
4. PRIOR TO THE USE OF CHEMICAL CLEANERS FOR FACE BRICK , CONTRACTOR TO OBTAIN IN WRITING THE APPROVAL BY THE FACE BRICK AND MORTAR MANUFACTURERS FOR THE USE OF THE SPECIFIC CHEMICAL CLEANER. SUBMIT DOCUMENT TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.

DIVISION 5

1. PROVIDE MISCELLANEOUS STEEL SUPPORTS IN ACCORDANCE WITH REQUIREMENTS OF DIVISION 5 SECTION "METAL FABRICATIONS" IF AND WHERE CEILING MOUNTED PARTITIONS ARE INDICATED.
2. IF A COUNTERTOP WITHOUT A BASE CABINET HAS NO SUPPORT SHOWN OR INDICATED PROVIDE MISCELLANEOUS STEEL SUPPORTS IN ACCORDANCE WITH REQUIREMENTS OF DIVISION 5 SECTION "METAL FABRICATIONS."

DIVISION 6

1. FOR ANY AND ALL SURFACE MOUNTED ACCESSORIES OR EQUIPMENT, PROVIDE CONCEALED WOOD BLOCKING OR METAL SHEET IN METAL STUD PARTITIONS. ESPECIALLY FOR GRAB BARS AND TOILET ACCERIORIES.PROVIDE FIRE RETARDANT TREATED WOOD. ALL CONCEALED WOOD BLOCK TO BE WITHIN CODE REQUIREMENTS.
2. GROMMETS ARE NOT SHOWN ON DRAWINGS FOR DATA, POWER, AND TELEPHONE CABLES. CONTRACTOR TO DRILL HOLES AND PROVIDE ALL GROMMET ACCESSORIES IN COUNTERTOPS. COORDINATE FINAL LOCATIONS WITH OWNER AND ARCHITECT.
3. SCRIBE ALL COUNTERTOPS TO WALLS AND SEAL WITH SPECIFIED SEALANT WHETHER OR NOT SHOWN ON THE DRAWINGS. VERIFY WITH ARCHITECT SEALANT COLOR PRIOR TO INSTALLATION.
4. CONTRACTOR TO COORDINATE HEIGHT OF COUNTERTOPS AND BACKSPLASHES WITH SHOP DRAWINGS PRIOR TO ROUGHING IN FOR ELECTRICAL OUTLETS
5. VERIFY DOOR SWINGS BEFORE ROUGHING IN FOR WALL SWITCHES, DIMMERS, MAGNETIC DOOR HOLDERS, FLOOR DRAINS, HUB DRAINS AND ALARM DEVICES.
6. IF ELECTRONIC HARDWARE OF ANY KIND IS SPECIFIED, A COORDINATION MEETING BETWEEN OWNER, ARCHITECT, AND CONTRACTOR TO DETERMINE OWNERS INTENT FOR THE EXACT FUNCTION OF ALL ELECTRONIC HARDWARE IS REQUIRED PRIOR TO ORDERING HARDWARE. NO CHANGE ORDERS WILL BE ISSUED UNLESS A SUBSTANTIAL QUANTITY CHANGE IS REQUIRED. EVEN THOUGH NO CHANGES ARE ANTICIPATED THE CONTRACTOR IS EXPECTED TO PLAN FOR MINOR MODIFICATIONS OF THE HARDWARE IN HIS PRICING.

DIVISION 7

1. VAPOR BARRIERS SHALL BE CONTINUOUS WITH ALL PENETRATIONS SEALED.
2. WHERE WATERPROOFING IS REQUIRED BY CONSTRUCTION, APPLY WATERPROOFING SYSTEM TO ALL SIMILAR SURFACES BELOW GRADE WHETHER OR NOT SPECIFIED.
3. CONTRACTOR IS RESPONSIBLE FOR FLOOD TESTING OF HORIZONTAL WATERPROOFING AND SHALL BE WITNESSED BY THE TESTING AGENCY AND ARCHITECT.
4. ROOFS SHALL NOT HAVE ANY AREAS WHERE STANDING WATER REMAINS MORE THAN 48 HOURS. WETHER OR NOT SPECIFIED PROVIDE POSITIVE DRAINAGE ON ALL ROOFS.
5. PROVIDE CRICKETS AT ALL ROOF CURBS, ROOF EQUIPMENT, CHIMNEYS, ETC.
6. WETHER OR NOT INDICATED IN CONSTRUCTION DOCUMENTS, AT LOW SLOPE ROOFS WITH PARAPETS, PROVIDE THROUGH WALL EMERGENCY OVERFLOW SCUPPERS IN THE EVENT THAT INTERNAL ROOF DRAINS ARE CLOGGED. VERIFY LOCATIONS WITH ARCHITECT.
7. WHEN WALKWAY PADS ARE INCLUDED IN THE SPECIFICATIONS, OR DRAWINGS, PROVIDE WALKWAY PADS AROUND ALL ROOF TOP EQUIPMENT AND CONTINUOUS WALKWAY PATHS TO ROOF HATCHES OR LADDERS WHETHER OR NOT SHOWN ON THE DRAWINGS.
8. COORDINATE ALL UTILITIES SERVING ROOF TOP EQUIPMENT SO ROOF PENETRATIONS OCCUR WITHIN THE ROOF CURB.
9. IN THE ABSENCE OF A DETAIL OF ANY CONDITION ON THE ROOF, THE ROOF MANUFACTURER'S STANDARD DETAIL OR THE MOST STRINGENT NRCA/SMACNA DETAIL SHALL APPLY AS IF INCORPORATED INTO THE DRAWINGS.
10. IN THE ABSENCE OF ROOF EXPANSION JOINTS (NOT BUILDING EXPANSION JOINTS), ROOFING MANUFACTURER'S RECOMMENDATIONS SHALL GOVERN.
11. METAL COPINGS SHALL BE SECURED TO COMPLY WITH THE SPECIFICATIONS, AND IF NOT SPECIFIED, SHALL RESIST THE WIND LOADS FOR THE PARTICULAR PROJECT LOCATION.
12. WHEN PROJECT SPECIFICATIONS INCLUDE SPRAYED FIRE RESISTIVE MATERIALS, PROVIDE FIREPROOFING WHERE REQUIRED ON STRUCTURAL STEEL COMPONENTS TO MEET CONSTRUCTION TYPE FIRE PROTECTION WHETHER OR NOT SHOWN IN THE WALL SECTIONS AND DETAILS.
13. THE LIFE SAFETY DRAWINGS CONTAIN INFORMATION AND REQUIREMENTS RELATED TO FIRE RATED CONSTRUCTION AND FIRE PROTECTION SYSTEMS. COORDINATE THE REQUIREMENTS WITH THE CONSTRUCTION DOCUMENTS. REPORT DISCREPANCIES TO THE ARCHITECT.
14. WHERE THROUGH PENETRATIONS OCCUR IN FIRE RATED ASSEMBLIES, THE CONTRACTOR IS RESPONSIBLE FOR SEALING ALL OPENINGS REGARDLESS OF THE TRADE WHO MADE THE PENETRATION.
15. EXTEND SMOKE WALLS TO DECK AND SEAL SMOKE TIGHT. (SMOKE TIGHT SEALS NEED NOT BE FIRE RATED, UNLESS NOTED OTHERWISE).
16. ALL CONCEALED THROUGH PENETRATION FIRESTOPPING AND FIRE RESISTIVE JOINT SYSTEMS SHALL BE INSPECTED AND APPROVED PRIOR TO CONCEALMENT BEHIND PERMANENT CONSTRUCTION.

DIVISION 8

1. WOOD DOORS SHALL NOT BE INSTALLED UNTIL THE BUILDING IS ENCLOSED, THE PERMANENT HEATING AND COOLING SYSTEMS ARE IN OPERATION, AND RESIDUAL MOISTURE FROM PLASTER, CONCRETE, MASONRY, AND TERRAZZO WORK HAS DISSIPATED. IF THE DOORS MUST BE INSTALLED BEFORE THE CONDITIONS ARE ACCEPTABLE DUE TO CONSTRUCTION SCHEDULE RESTRAINTS, THE CONTRACTOR SHALL PROCEED AT HIS OWN RISK.
2. WETHER OR NOT INDICATED IN CONSTRUCTION DOCUMENTS, PROVIDE CEILING ACCESS PANELS IN GYPSUM BOARD CEILINGS TO ACCESS MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ALL TRADES. CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ANY FIRE RATED ASSEMBLIES WITH THE INSTALLATION OF ACCESS PANELS.
3. ALL REMOVABLE GLAZING STOPS SHALL BE LOCATED ON THE SECURE SIDE OF OPENINGS.

DIVISION 9

1. WHERE DRAWINGS INDICATE PARTITION TYPES, ACCOMPANIED BY A PARTITION SCHEDULE, AND A WALL IS FOUND TO HAVE NO DESIGNATION, THE CONTRACTOR SHALL ASSUME THE ADJACENT PARTITION TYPE, OR IF UNCERTAIN, ASSUME THE HIGHEST QUALITY. NO CHANGE ORDERS WILL BE GRANTED DUE TO MISSING DESIGNATIONS.
2. PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN WET AREAS SUCH AS JANITOR CLOSETS, TOILETS, MECHANICAL ROOMS, AND FOOD PREP AREAS
3. PROVIDE CONTROL JOINTS IN GYPSUM BOARD IN ACCORDANCE WITH ASTM C 840; CEILINGS: 2500 SF, 50 FEET MAX; PARTITIONS: 30 FEET MAX.
4. METAL STUD GAUGE SHALL BE AS INDICATED IN CONSTRUCTION DOCUMENTS. WHERE NO THICKNESS IS INDICATED, PROVIDE A MINIMUM STEEL THICKNESS OF 0.027 INCHES.
5. ALL WALL FRAMING SHALL EXTEND TO THE DECK ABOVE AND PROVIDE DEFLECTION TRACKS. CONTRACTOR TO COORDINATE ALL FRAMING WITH MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS.
6. ALL ROOMS SHALL BE ADA ACCESSIBLE. UNLESS NOTED OTHERWISE, ALL DOORS SHALL BE LOCATED SO THE EDGE OF DOOR OPENINGS FOR OUTSWING DOORS IS 18-INCHES MINIMUM FROM AN ADJACENT WALL, AND 12-INCHES MINIMUM FOR INSWING DOORS. ANY DISCREPANCIES TO BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY PRIOR TO FINAL INSTALLATION OF DOORS. CONTRACTOR TO PROVIDE A WRITTEN REPORT THAT ALL DOOR OPENINGS WERE VERIFIED DURING FRAMING AND PRIOR TO WALL SHEATHING.
7. AT INTERIOR DOOR LOCATIONS, LOCATE EDGE OF FRAME WITHIN 8-INCHES OF ADJACENT WALL IN CMU CONSTRUCTION AND 4" IN METAL OR WOOD STUD WALL CONSTRUCTION.
8. NO DEAD END CORRIDORS IN THE BUILDING ARE ACCEPTABLE. IF THE CONTRACTOR DETERMINES DURING CONSTRUCTION OF EVEN A FEW INCHES NOTIFY ARCHITECT. REFER TO LIFE SAFETY DRAWINGS.
9. ALL CEILING GRIDS OF ACOUSTICAL PANEL CEILINGS ARE TO BE CENTERED IN THE ROOMS, UNLESS NOTED OTHERWISE. THE INTENT IS TO NOT HAVE ANY TILES THAT ARE CUT TO BE LESS THAN HALF THEIR STANDARD SIZE.
10. LOCATE ALL CEILING FIXTURES, EQUIPMENT, AND DEVICES IN THE CENTER OF THE CEILING PANELS, UNLESS SPECIFICALLY NOTED OTHERWISE ON CONSTRUCTION DOCUMENTS.
11. SMOKE DETECTORS SHALL NOT BE LOCATED WITHIN 24 INCHES OF A SUPPLY OR RETURN GRILLE.
12. SUSPENDED CEILING GRIDS SHALL NOT BE INSTALLED UNTIL ALL ABOVE CEILING EQUIPMENT AND UTILITIES ARE COMPLETED. CEILING PANELS SHALL NOT BE INSTALLED UNTIL THE ARCHITECT HAS COMPLETED THE ABOVE CEILING INSPECTION. IF CEILING PANELS HAVE BEEN INSTALLED PRIOR TO REQUIRED INSPECTIONS, THE CONTRACTOR SHALL REMOVE AND REPLACE CEILING PANELS AT NO ADDITIONAL COST TO THE OWNER. SOILED OR DAMAGED CEILING PANELS AND GRIDS RESULTING FROM REWORK ARE CONSIDERED DEFECTIVE WORK AND SHALL BE REPLACED IMMEDIATELY AND PRIOR TO INSPECTIONS FOR SUBSTANTIAL COMPLETION. DO NOT INSTALL ACOUSTICAL PANEL CEILINGS UNTIL BUILDING IS ENCLOSED, PERMANENT HEATING AND COOLING EQUIPMENT IS IN OPERATION, AND EQUIPMENT SUCH AS LIGHT FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM THE CEILING SUSPENSION SYSTEM.
13. PAINT EXPOSED EDGES OF CUT CEILING PANELS TO MATCH.
14. COORDINATE ABOVE CEILING EQUIPMENT SO THAT NO CEILING IS LESS THAN 8 FEET ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE. CEILING HEIGHTS ARE NOT TO BE BELOW BUILDING CODE MINIMUMS.
15. WETHER OR NOT INDICATED IN CONSTRUCTION DOCUMENTS CONTRACTOR TO INSTALL RESILIENT WALL BASE BEHIND MOVABLE EQUIPMENT AND ALL TOE SPACES OF CABINETWORK.
16. WHERE EXPOSED STRUCTURE HAS BEEN INDICATED TO BE PAINTED, THIS INCLUDES ALL EXPOSED CONDUIT, DUCT, AND PIPING. WETHER OR NOT INDICATED IN CONSTRUCTION DOCUMENTS ALL EXPOSED CONDUIT ON WALLS SHALL BE PAINTED TO MATCH THE WALLS OR ADJACENT SURFACES.
17. PAINT ALL EXPOSED STEEL ITEMS ON THE EXTERIOR OF THE BUILDING WHETHER OR NOT INDICATED IN CONSTRUCTION DOCUMENTS. THIS INCLUDES EXPOSED MASONRY STEEL LINTELS. PAINT TO BE APPROVED FOR EXTERIOR APPLICATIONS.
18. REFER TO PAINTING SPECIFICATIONS FOR TYPES OF PAINTS FOR VARIOUS SUBSTRATES.
19. COORDINATE PAINTING SYSTEMS WITH SHOP-APPLIED PRIMERS.
20. CONCRETE FLOORS IN MECHANICAL ROOMS, ELECTRICAL ROOMS, AND OTHER HABITABLE SPACES WHERE NO FLOOR FINISH MATERIAL IS SCHEDULED SHALL BE SEALED WITH A POLYAMIDE EPOXY SEALER. REFER TO HIGH PERFORMANCE COATING SPECIFICATIONS.
21. UNLESS NOTED OTHERWISE, METAL DOOR FRAMES, HOLLOW METAL DOORS, MISCELLANEOUS STEEL FABRICATIONS, EXPOSED METAL STAIRS, AND STEEL HANDRAILS ARE TO BE PAINTED. REFER TO PAINTING SPECIFICATIONS. HOWEVER IF NO SPECIFICATION HAS BEEN INDICATED SUBMIT TO ARCHITECT FOR APPROVAL APPROPRIATE PAINTING SYSTEM.
22. WALLS IN FOOD SERVICE AREAS SHALL BE SMOOTH AND FREE OF DEFECTS. WETHER OR NOT INDICATED ON FINISH SCHEDULE OR INTERIOR ELEVATIONS APPLY SMOOTH THIN COAT PLASTER FINISH ON CMU WALLS PRIOR TO PAINTING.
23. UNLESS NOTED OTHERWISE, ALL LEFT OVER FINISH MATERIALS AND UNOPENED CONTAINERS SHALL BE TURNED OVER TO OWNER IN ADDITION TO EXTRA MATERIALS SPECIFIED IN RESPECTIVE SECTIONS.
24. IF NOT DESIGNATED OTHERWISE ALL EXTERIOR STEEL TO BE GALVANIZED. ANY REQUIRED PAINT COATING MUST BE PROPERLY PRIMED.
25. ALL AREAS RECEIVING WALL TILE TO FOLLOW TCNA HANDBOOK AND PROVIDE CEMENT BOARD BACKING.

DIVISION 10

1. LOCATE PORTABLE FIRE EXTINGUISHERS CABINETS SO MAXIMUM COVERAGE DOES NOT EXCEED NFPA 13 REQUIREMENTS. ALSO CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED CABINETS BY APPROPRIATE GOVERNING AUTHORITY SUCH AS FIRE MARSHALL AND BUILDING CODE OFFICIAL REGARDLESS IF SHOWN IN CONSTRUCTION DOCUMENTS. ALL ASSOCIATED COSTS OF REQUIRED FIRE EXTINGUISHER CABINETS

GENERAL SPECIFICATIONS
SECTION 02282- TERMITE CONTROL
PART 1- GENERAL
SUMMARY
This section includes soil treatment for termite control.
SUBMITTALS
General: Submit the following
- Product data and application instructions
- Certification that products used comply with U.S. Environmental Protection Agency (EPA) regulations for termiticides.
QUALITY ASSURANCE
In addition to requirements of these specifications, comply with manufacturer's instruction and recommendations for preparing substrate and application.
Engage a professional pest control operator who is licensed according to regulations of governing authorities to apply soil treatment solution.
JOB CONDITIONS
Restrictions: Do not apply soil treatment solution until excavating, filling, and grading operations are completed, except as otherwise required in construction operations.
To ensure penetration, do not apply soil treatment to frozen or excessively wet soils or during inclement weather.
Comply with handling and application instructions of the soil
toxicant manufacturer.
WARRANTY
Warranty: Furnish written warranty, executed by Applicator and Contractor, certifying that applied soil termiticide treatment will prevent infestation for subterranean termites. If subterranean termite activity is discovered during warranty period, Contractor will re-treat soil and repair or replace damage caused by termite infestation.
Warranty period: 5 years from date of Substantial Completion.
PART 2- PRODUCTS
SOIL TREATMENT SOLUTION
General: Use an emulsible, concentrated, termiticide that dilutes with water, specially formulated to prevent termite infestation. Fuel oil will not be permitted as a diluent. Provide a solution consisting of one of the following chemical elements.
Products: Subject to compliance with requirements, provide one of the following:
Chloropyrifos: Dursban TC, Dow Chemical Company
Permethrin: Dragnet FT, FMC Corp. Torpedo, ICL Americas, Inc.
Dilute with water to concentration level recommended by manufacturer. Other solutions may be used as recommended by Applicator if approved for intended application y local authorities having jurisdiction. Use only soil treatment solutions that are not harmful to plants.
PART 3- EXECUTION
Post signs in areas of application to warn workers that soil termiticide treatment has been applied. Remove signs after areas are covered by other construction.
Reapply soil treatment solution to areas disturbed by subsequent excavation, landscape grading or other construction activities following application.

SECTION 042200- CONCRETE MASONRY UNIT
PART 1- GENERAL
· SUMMARY
Section includes:

1. Concrete masonry units.
1. Decorative masonry units.
2. Insulated concrete masonry units.
3. Mortar and grout.
4. Steel reinforcing bars.
5. Masonry joint reinforcement.
6. Ties and anchors.
7. Embedded flashing.
8. Masonry sealer.

· DEFINITIONS
A. CMUs: Concrete masonry units.

B. Reinforced Masonry: Masonry containing reinforcing steel in grouted cells.

· PREINSTALLATION MEETINGS
A. Preinstallation Conference: Conduct conference at Project Site.

· ACTION SUBMITTALS
A. Product Data: For each type of product.

B. Shop Drawings for the following:

· Reinforcing Steel: Detail bending, lap lengths, and placement of the unit masonry reinforcing bars. Comply with ACI 315. Show elevations of reinforced walls.
· Indicate control joint locations and appropriate sections and details to adequately describe the work.
C. Samples for Verification: For each type of the following:
· Decorative CMUs.
· Pigmented mortar. Make Samples using same and mortar ingredient to be used on Project.
· Insulation inserts.
· CMU cell flashing system.

· INFORMATIONAL SUBMITTALS

· Material Certificates: For each type and size of the following:

1. Masonry units.
· Include material test reports substantiating compliance with requirements.
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· For masonry units used in structural masonry, include data and calculations establishing average net-area compressive strength of units.
2. Integral water repellant used in CMU's.
3. Cementitious materials. Include name of manufacturer, brand name, and type.
4. Mortar admixtures.
5. Preblended, dry mortar mixes. Include description of type and proportions of ingredients.
6. Grout mixes. Include description of type and proportions of ingredients.
7. Reinforcing bars.
8. Joint reinforcement.
· Mix Designs: For each type of mortar and grout. Include description of type and proportions of ingredients.

· Include test reports for mortar mixes required to comply with property specification. Test according to ASTM C 109/C 109 for compressive strength, ASTM C 1506 for water retention, and ASTM C 91 for air content.
· Include test reports, according to ASTM C 1019, for grout mixes required to comply with compressive strength requirement.

· Statement of Compressive Strength of Masonry: For each combination of masonry unit type and mortar type, provide statement of average net-area compressive strength of masonry determined according to TMS 602/ACI 530.1/ASCE 6.

· QUALITY ASSURANCE

A. Testing Agency Qualifications: Qualified according to ASTM C 1093 for testing indicated.
B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.
· Build mockups for each type of exposed unit masonry construction in sizes approximately 96 inches long by 72 inches high by full thickness, including accessories. Include a sealant- filled joint at least 16 inches long in each mockup.
· Clean one-half of exposed faces of mockups with masonry cleaner as indicated.
· Apply masonry sealer to surface of clean masonry that is indicated to be sealed.
· Protect accepted mockups from the elements with weather-resistant membrane.
· Approval of mockups is for color, texture, and blending of masonry units; relationship of mortar and sealant colors to masonry unit colors; tooling of joints; and aesthetic qualities of workmanship.

· Approval of mockups is also for other material and construction qualities specifically approved by Architect in writing.
· Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
· Notify Architect one week in advance of the dates and times when mockups will be constructed.
· Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at the time of Substantial Completion.

· FIELD CONDITIONS

· Protection of Masonry: During construction, cover tops of walls, projections, and sills with waterproof sheeting at end of each day's work. Cover partially completed masonry when construction is not in progress. Extend cover a minimum of 24 inches down both sides of walls and hold cover securely in place.

· Do not apply uniform floor or roof loads for at least 12 hours and concentrated loads for at least three days after building masonry walls or columns.

· Stain Prevention: Prevent grout, mortar, and soil from staining the face of masonry to be left exposed or painted. Immediately remove grout, mortar, and soil that come in contact with such masonry.

· Protect base of walls from rain-splashed mud and from mortar splatter by spreading coverings on ground and over wall surface.
· Protect sills, ledges, and projections from mortar droppings.
· Protect surfaces of window and door frames, as well as similar products with painted and integral finishes, from mortar droppings.
· Turn scaffold boards near the wall on edge at the end of each day to prevent rain from splashing mortar and dirt onto completed masonry.

· Cold-Weather Requirements: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen substrates. Remove and replace unit masonry damaged by frost or by freezing conditions. Comply with cold-weather construction requirements contain in ACI 530.1/ASCE 6/TMS 602.

· Cold Weather Cleaning: Use liquid cleaning methods only when air temperature is 40 degrees Fahrenheit and higher and will remain so until masonry has dried, but not less than seven days after completing cleaning.

· Hot Weather Requirements: Comply with hot-weather construction requirements contained in ACI 530.1/ASCE 6/ TMS 602.
PART 2- PRODUCTS
2.1 MANUFACTURERS
· Source Limitations for Masonry Units: Obtain exposed masonry units of a uniform texture and color, or a uniform blend within the ranges accepted for these characteristics, from single source from single manufacturer for each product required.

· Source Limitations for Mortar Materials: Obtain mortar ingredients of a uniform quality, including color for exposed masonry, from single manufacturer for each cementitious component and from single source or producer for each aggregate. Note: Masonry Cement is not allowed on this project.

2.2 PERFORMANCE REQUIREMENTS
· Provide structural unit masonry that develops indicated net-area compressive strengths at 28 days.

· Determine net-area compressive strength of masonry from average net-area compressive strengths of masonry units and mortar types (unit-strength method) according to TMS 602/ACI 530.1 /ASCE 6.

2.3 UNIT MASONRY, GENERAL
· Masonry Standard: Comply with TMS 602/ACI 530.1/ASCE 6 except as modified by requirements in the Contract Documents.

· Defective Units: Referenced masonry unit standards may allow a certain percentage of units to contain chips, cracks, or other defects exceeding limits stated in the standard. Do not us units where such defects will be exposed in the completed Work.

2.4 CONCRETE MASONRY UNITS
· Shapes: Provide shapes indicated and as follows, with exposed surfaces matching exposed faces of adjacent units unless otherwise indicated.

· Provide special shapes for lintels, corners, jambs, sashes, movement joints, headers, bonding, and other special conditions.
· Provide bullnose units for outside corners in exposed areas, except first course above concrete slab where resilient wall base is scheduled and top course below suspended acoustical ceilings.

· Integral Water Repellent: Provide units made with integral water repellent for exposed exterior decorative concrete masonry units.

· Integral Water Repellent: Liquid polymeric, integral water-repellent admixture that does not reduce flexural bond strength. Units made with integral water repellent, when tested according to ASTM E 514/E 514M as a wall assembly made with mortar containing integral water-repellent manufacturer's mortar additive, with test period extended to 24 hours, shall show no visible water or leaks on the back of the test specimen.

· Products: Subject to compliance with requirements, provide one of the following:

· ACM Chemistries, RainBloc
· BASF Corporation- Construction Chemicals; MasterPel 240 (Pre-2014): Rheopel Plus) or MasterPel 200 HD (Pre-2014: Rheopel 200 HD).
· Euclid Chemical Company (The); an RPM company; Eucon Blocktite.
· GCP Applied Technologies Inc. (formerly Grace Construction Products); Dry- Block.

· Insulated CMUs: Where indicated, units shall contain rigid, specially shaped, cellular thermal insulation units complying with ASTM C 578, Type I, designed for installing in cores of masonry units.

· Products: Subject to compliance with requirements, provide the following:
Concrete Block Insulating Systems; Korfil.

· CMUs: ASTM C 90

· Unit Compressive Strength: Provide units with minimum average net-area compressive strength of 1900 psi.
· Density Classification: Normal weight.
· Exposed Faces: Standard.

· CMUs: ASTM C 90

· Unite Compressive Strength: Provide units with maximum average net-are compressive strength of 1900 psi.
· Density Classification: Normal weight.
· Exposed Faces: Scored vertically so units laid in running bond appear as square units laid in stacked bond, standard finish.

· Decorative CMUs: ASTM C 90

· Basis of Design Product: Subject to compliance with requirements, provide DecraStone by DIV 2-4, a division of Tupelo Concrete Products, Inc., or products by one of the following:

· Echelon Masonry: Quick- Brick

· Unite Compressive Strength: Provide units with minimum average net-area compressive strength of 1900 psi.
· Density classification: Normal weight.
· Pattern and Texture:

· Standard brick veneer look, finish and texture TBD.
· 8x8x8 U-block at window and door heads/lintels and sills.
· 8x16x8 scored cmu or 8x8x8 cmu at wall bands.
· Colors and Patterns: As selected by Architect from manufacturer's full range.
2.5 MASONRY LINTELS
· Masonry Lintels: Prefabricated or built-in-place masonry lintels made from bond beam CMUs matching adjacent CMUs in color, texture, and density classification, with reinforcing bars placed as indicated and filled with coarse grout. Cure precast lintels before handling and installing. Temporarily support built-in-place lintels until cured.
2.6 MORTAR AND GROUT MATERIALS
· Portland Cement-Lime Mix: Packaged blend of Portland cement and hydrated lime containing no other ingredients.

· Colored Cement Product: Packaged blend made from Portland cement and lime and mortar pigments, all complying with specified requirements, and containing no other ingredients.

· Color: As selected by Architect during the construction of the sample panels.

· Aggregate for Mortar: ASTM C 144.

· Aggregate for Grout: ASTM C 404.

· Water-Repellent Admixture: Liquid water-repellent mortar admixture intended for use wit CMUs containing integral water repellent from same manufacturer.

· Products: Subject to compliance with requirements, provide one of the following:

· ACM Chemistries; RainBloc for Mortar.
· BASF Corp. - Construction Chemicals; MasterPel 240 MA (Pre-2014: Rheopel Plus Mortar Admixture) or MasterPel 210D (Pre-2014: Rheopel Plus D).
· Euclid Chemical Company (The); an RPM company; Blocktite Mortar Admixture.
· GCP Applied Technologies Inc. (formerly Grace Construction Products); Dry-Block Mortar Admixture.

· Water: Potable

2.7 REINFORCEMENT
· Uncoated Steel Reinforcing Bars: ASTM A 615/A 615/M or ASTM A 996/A 996M, Grade 60.

· Reinforcing Bar Positioners: Wire units designed to fit into mortar bed joints spanning masonry unit cells and hold reinforcing bars in center of cells. Units are formed from 0.148-inch steel wire, hot-dip galvanized after fabrication. Provide units designed for number of bars indicated.

· Masonry-Joint Reinforcement, General: Ladder type complying with ASTM A 951/A 951M.

· Interior Walls: Mill-galvanized, carbon steel.
· Exterior Walls: Hot-dip galvanized, carbon steel.
· Wire Size for Side Rods: 0.148-inch diameter.
· Wire Size for Cross Rods: 0.148-inch diameter.
· Spacing for Cross Rods, Tabs, and Cross Ties: Not more than 16 inches o.c.
· Provide in lengths of not less than 10 feet, with prefabricated corner and tee units.
2.8 TIES AND ANCHORS
· Partition Top Anchors: 0.105-inch- thick metal plate with 3/8 inch diameter metal rod 6 inches long welded to plate and with closed-end plastic tube fitted over rod that allows rod to move in and out of tube. Fabricated from steel, hot-dip galvanized after fabrication.
2.9 EMBEDDED FLASHING MATERIALS
· Single-Wythe CMU Flashing System: System of CMU cell flashing pans and interlocking CMU web covers made from UV-resistant, high-density polyethylene. Cell flashing pans have integral weep spouts designed to be built into mortar bed joints and that extend into the cell to prevent clogging with mortar.

· Products: Subject to compliance with requirements, provide the following:

· Mortar Net USA, Ltd.; Blok-Flash
2.10 MISCELLANEOUS MASONRY ACCESSORIES
· Compressible Filler: Premolded filler strips complying with ASTM D 1056, Grade 2A1; compressible up to 35 percent; formulated from neoprene or urethane.

· Preformed Control-Joint Gaskets: Made from styrene-butadiene-rubber compound, complying with ASTM D 2000, Designation M2AA-805 and designed to fit standard sash block and to maintain lateral stability in masonry wall; size and configuration as indicated.

2.11 MORTAR AND GROUT MIXES
· General: Do not use admixtures, including pigments, air-entraining agents, accelerators, retarders, water-repellent agents, antifreeze compounds, or other admixtures unless otherwise indicated.

· Do not use calcium chloride in mortar or grout.
· For reinforced masonry, use Portland cement-lime mortar.

· Preblended, Dry Mortar Mix: Furnish dry mortar ingredients in form of a preblended mix. Measure quantities by weight to ensure accurate proportions, and thoroughly blend ingredients before delivering to Project site.

· Mortar for Unit Masonry: Comply with ASTM C 270, Property Specification. Provide the following types of mortar for applications stated unless another type is indicated.

· For masonry below grade or in contact with earth, use Type M.
· For reinforced masonry, use Type S.

· Pigmented Mortar: Use colored cement product.

· Pigments shall not exceed 10 percent of Portland cement by weight.
· Mix to match Architect's sample.
· Application: Use pigmented mortar for exposed mortar joints with Decorative CMU.

· Grout for Unit Masonry: Comply with ASTM C 476.
· Use grout of type indicated or, if not otherwise indicated, of type (fine or coarse) that will comply with Table 1.15.1 in ACI 530.1/ASCE 6/TMS 602 for dimensions of grout spaces and pour height.
· Proportion grout in accordance with ASTM C 476, Table 1 or paragraph 4.2.2 for specified 28-day compressive strength indicated, but not less than 2000 psi.
· Provide grout with a slump of 8 to 11 inches as measured according to ASTM C 143/C 143M.
· Where grout cells are less than 4 inches in diameter, fine grout shall be used.

2.12 MASONRY CLEANERS
· Proprietary Acidic Cleaner: Manufacturer's standard-strength cleaner designed for removing mortar/grout stains, efflorescence, and other new construction stains from new masonry without discoloring or damaging masonry surfaces. Use product expressly approved for intended us by cleaner manufacturer and manufacturer of masonry units being cleaned.

· Products: Subject to compliance with requirements, provide the following:

· EaCo Chem, Inc.: NMD 80 New Masonry Detergent

· Note: Chemical applicator must be trained and use equipment approved by chemical manufacturer.

2.13 MASONRY SEALER
· Masonry Sealer for Exterior CMU: Clear, solvent-based silicone elastomer formulated to weatherproof custom masonry units without altering the natural appearance. Design sealer to penetrate and fill pores to prevent water penetration through exterior walls exposed to normal weathering.

· Product: Sure Klean Custom Masonry Sealer

PART 3- EXECUTION
3.1 TOLERANCES
· Dimensions and Locations of Elements:

· For dimensions in cross section or elevation do not vary by more than plus ½ inch or minus ¼ inch.
· For location of elements in plan do not vary from that indicated by more than plus or minus ½ inch.
· For location of elements in elevation do not vary from that indicated by more than plus or minus ¼ inch in a story height or ½ inch total.

· Lines and Levels:

· For bed joints and top surfaces of bearing walls do not vary from level by more than ¼ in 10 feet, or ½ inch maximum.
· For conspicuous horizontal lines, such as lintels, sills, parapets, and reveals, do not vary from level by more than 1/8 inch in 10 feet, or ½ inch maximum.
· For vertical lines and surfaces do not vary from plumb by more than ¼ inch in 10 feet, 3/8 inch in 20 feet, or ½ inch maximum.
· For conspicuous vertical lines, such as external corners, door jambs, reveals, and expansion and control joints, do not vary from plumb by more than 1/8 inch in 10 feet, ¼ inch in 20 feet, or ½ inch maximum.
· For lines and surfaces do not vary from straight by more than ¼ inch in 10 feet, 3/8 inch in 20 feet, or ½ inch maximum.

· Joints:

· For bed joints, do not vary from thickness indicated by more than plus or minus 1/8 inch, with a maximum thickness limited to ½ inch.
· For head and collar joints, do not vary from thickness indicated by more than plus 3/8 inch or minus ¼ inch.
· For e3xposed head joints, do not vary from thickness indicated by more than plus or minus 1/8 inch.
3.2 LAYING MASONRY WALLS
· Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint thicknesses and for accurate location of openings, movement-type joints, returns, and offsets. Avoid using lee-than-half-size units, particularly at corners, jambs, and where possible, at other locations.

· Use full-size units without cutting if possible. If cutting is required to provide a continuous pattern or to git adjoining construction, cut units with motor-driven saws; provide clean, sharp, unchipped edges. Allow units to dry before laying unless wetting of units is specified. Install cut units with cut surfaces and, where possible, cut edges concealed.

· Bond Pattern for Exposed Masonry: Unless otherwise indicated, lay exposed masonry in running bong; do not use units with less than nominal 4-inch horizontal face dimensions at corners or jambs.

· Stopping and Resuming Work: Stop work by stepping back units in each course from those in course below; do not tooth. When resuming work, clean masonry surfaces that are to receive mortar, remove loose masonry units and mortar, and wet brick if required before laying fresh masonry.

· Built-In Work: As construction progresses, build in items specified in this and other Sections. Fill in solidly with masonry around built-in terms.

· Fill space between steel frames and masonry solidly with mortar unless otherwise indicated.

· Where built-in items are to be embedded in cores of hollow masonry units, place a layer of metal lath, wire mesh, or plastic mesh in the joint below and rod mortar or grout into core.

· Fill cores in hollow CMUs with grout 24 inches under bearing plates, beams, lintels, posts, and similar items unless otherwise indicated.

· Build non-load-bearing interior partitions full height of story to underside of solid floor or roof structure above unless otherwise indicated.

· Install compressible filler in joint between top of partition and underside of structure above.
· Fasten partition top anchors to structure above and build into top of partition. Grout cells of CMUs solidly around plastic tubes of anchors and push tubes down into grout to provide ½-inch clearance between end of anchor rod and end of tube. Space anchors 48 inches o.c. unless otherwise indicated.
· Wedge non-load-bearing partitions against structure above with small pieces of tiles, slate, or metal. Fill joint with mortar after dead-load deflection of structure above approaches final position.

3.3 MASONRY-CELL FILL
· Lay hollow CMUs as follows:

· Bed face shells in mortar and make head joints of depth equal to bed joints.
· Bed webs in mortar in all courses of piers, columns, and pilasters.
· Bed webs in mortar in grouted masonry, including starting course on footings.
· Fully bed entire units, including areas under cells, at starting course on footings where cells are not grouted.

· Lay solid masonry units with completely filled bed and head joints: butter ends with sufficient mortar to fill head joints and shove into place. Do not deeply furrow bed joints or slush head joints.

· Tool exposed joints slightly concave when thumbprint hard, using a jointer larger than joint thickness unless otherwise indicated.

· Tuck point vertical joints in scored units and tool joints slightly concave to match adjacent tooled joints.

· Cut joints flush for masonry walls to receive plaster or other direct-applied finishes (other than paint) unless otherwise indicated.

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ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

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3.4 MASONRY-CELL FILL
· Install molded-polystyrene insulation units into masonry unit cells before laying units.
3.5 MASONRY JOINT REINFORCEMENT
· General: Install entire length of longitudinal side rods in mortar with a minimum cover of 5/8 inch on exterior side of walls, ½ inch elsewhere. Lap reinforcement a minimum of 6 inches.

· Space reinforcement not more than 16 inches o.c.
· Space reinforcement not more than 8 inches o.c. in foundation walls and parapet walls.
· Provide reinforcement not more than 8 inches above and below wall openings and extending 12 inches beyond openings in addition to continuous reinforcement

· Interrupt joint reinforcement at control and expansion joints unless otherwise indicated.

· Provide continuity at wall intersections by using prefabricated T-shaped units.

· Provide continuity at corners by using prefabricated L-shaped units.

3.6 CONTROL AND EXPANSION JOINTS
· General: Install control and expansion joint materials in unit masonry as masonry progresses. Do not allow materials to span control and expansion joints without provision to allow for in-plane wall or partition movement.

· Form control joints in concrete masonry using one of the following methods:

· Fit bond-breaker strips into hollow contour in ends of CMUs on one side of control joint. Fill resultant core with grout and rake out joints in exposed faces for application of sealant.
· Install preformed control-joint gaskets designed to fit standard sash block.
· Install interlocking units designed for control joints. Install bond-breaker strips at joint. Keep head joints free and clear of mortar or rake out joint for application of sealant.
· Install temporary foam-plastic filler in head joints and remove filler when unit masonry is complete for application of sealant.

3.7 LINTELS
· Provide masonry lintels where shown and where openings of more than 12 inches for brick-sized units are shown without structural steel or other supporting lintels.

· Provide minimum bearing of 8 inches at each jamb unless otherwise indicated.

3.8 FLASHING
· General: Install embedded flashing at ledges and other obstructions to downward flow of water in wall where indicated.

· Install single-wythe CMU flashing system in bed joints of CMU walls where indicated to comply with manufacturer's written instructions. Install CMU cell pans with upturned edges located below face shells and webs of CMUs above and with weep spouts aligned with face of wall. Install CMU web covers so that they cover upturned edges of CMU cell pans at CMU webs and extend from face shell to face shell.

3.9 REINFORCED UNIT MASONRY INSTALLATION
· Temporary Formwork and Shores: Construct formwork and shores as needed to support reinforced masonry elements during construction.

· Construct formwork to provide shape, line, and dimensions of completed masonry as indicated. Make forms sufficiently tight to prevent leakage of mortar and grout. Brace, tie, and support forms to maintain position and shape during construction and curing of reinforced masonry.
· Do not remove forms and shores until reinforced masonry members have hardened sufficiently to carry their own weight and other loads that may be placed on them during construction.

· Placing Reinforcement: Comply with requirements in ACI 530.1/ASCE 6/TMS 602.

· Grouting: Do not place grout until entire height of masonry to be grouted has attained enough strength to resist grout pressure.

· Comply with requirements in ACI 530.1/ASCE 6/TMS 602 for cleanouts and for grout placement, including minimum grout space and maximum pour height.
· Limit height of vertical grout pours to not more than 60 inches.
3.10 FIELD QUALITY CONTROL
Testing and inspecting: Owner will engage special inspector to perform tests and inspections and prepare reports. Allow inspectors access to scaffolding and work areas, as needed to perform tests and inspections. Retesting of materials that fail to meet specified requirements shall be done at Contractor's expense.

· Inspections: Special inspections according to Level B in TMS 402/ACI 530/ASCE 5.

· Begin masonry construction only after inspector have verified proportions of site-prepared mortar.
· Place grout only after inspectors have verified compliance of grout spaces and of grades, sizes, and locations of reinforcement.
· Place grout only after inspectors have verified proportions of site-prepared grout.

· Testing Prior to Construction: One set of tests.

· Testing Frequency: One set of tests for each 5000 sq. ft. of wall area or portion thereof.

· Concrete Masonry Unit Test: For each type of unit provided, according to ASTM C 780 for compressive strength.

· Mortar Test (Property Specification: For each mix provided, according to ASTM C 780. Test mortar for mortar air content and compressive strength.

· Grout Test (Compressive Strength): For each mix provided, according to ASTM C 1019.

3.11 REPAIRING, POINTING, AND CLEANING
· Remove and replace masonry units that are loose, chipped, broken, stained, or otherwise damaged or that do not match adjoining units; install in fresh mortar, pointed to eliminate evidence of replacement.

· In-Progress Cleaning: Clean unit masonry as work progresses by dry brushing to remove mortar fins and smears before tooling joints.

· Final Cleaning: After mortar is thoroughly set and cured, clean exposed masonry as follows:

· Remove large mortar particles by hand with wooden paddles and nonmetallic scrape hoes or chisels.
· Wet all surfaces with water before applying cleaners; remove cleaners promptly by rinsing surfaces thoroughly with clear water.
· Clean concrete masonry by cleaning method indicated in NCMA TEK 8-2A applicable to type of stain on exposed surfaces.
3.12 SEALING EXTERIOR CMU
· After final cleaning, seal exterior concrete masonry units in accordance with manufacturer's written instructions.

· After the first coat has dried to touch, apply a second coat. Do not expose treated walls to rain or moisture for a period of 24 hours.
3.13 MASONRY WASTE DISPOSAL
· Waste disposal as Fill Material: Dispose of clean masonry waste, including excess or soil-contaminated sand, waste mortar, and broken masonry units, by crushing and mixing with fill materials as fill is placed.

· Crush masonry waste to less than 4 inches in each dimension.
· Mix masonry waste with at least two parts of specified fill materials for each part of masonry waste.
· Do not dispose of masonry waste as fill within 18 inches of finished grade.

· Excess Masonry Waste: Remove excess clean masonry waste that cannot be used as fills, as described above, and other masonry waste, and legally dispose of off Owner's property.
END OF SECTION 042200

SECTION 05400 - NON STRUCTURAL COLD-FORMED METAL FRAMING
PART 1 - GENERAL SUMMARY
QUALITY ASSURANCE
Installer Qualifications: Engage an experienced installer who has completed cold-formed metal framing similar in material, design, and extent to that indicated for this Project and with a record of a successful in-service performance.
DELIVERY, STORAGE, AND HANDLING
Protect cold-formed metal framing from corrosion, deformation, and other damage during delivery, storage, and handling.
PART 2 - PRODUCTS
MATERIALS
Galvanized- Steel Sheet: ASTM A 446, zinc coated according to ASTM A 525 as follows:
G 60 typical coating
Grade: Grade A, 33,000 psi minimum yield strength, 20 percent elongation.
WALL FRAMING
Steel Studs: Manufacturer's standard C-Shaped steel studs of web depths and gage indicated, with lipped flanges, and complying with the following:
Flange Width: 1 ¼ inches minimum
Web: Punched
Steel Track: Manufacturer's standard U-Shaped steel track, unpunched, of web depths indicated, with straight flanges, and complying with the following:
Design Uncoated- Steel Thickness: Matching steel studs.
Flange Width: Manufacturer's standard deep flange where indicated, standard flange elsewhere.
FRAMING ACCESSORIES
Fabricate steel-framing accessories of the same material and finish used for framing members, with a minimum yield strength of 33,000 psi.
ANCHORS, CLIPS, AND FASTENERS
Steel Shapes and Clips: ASTM A 36, zinc coated by the hot-dip process according to ASTM A 123.
Powder-Actuated Anchors: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with capability to sustain, without failure, a load equal to 10 times the design load, as determined by testing per ASTM E 1190 conducted by a qualified independent testing agency.
Mechanical Fasteners: Corrosion- resistant coated, self-drilling, self-threading steel drill screws.
Head Type: Low-profile head beneath sheathing, manufacturer's standard elsewhere.
MISCELLANEOUS MATERIALS
Galvanizing Repair Paint: SSPC-Paint 20 or DOD-P-21035, with dry film containing a minimum of 94 percent zinc dust by weight.
FABRICATION
Fabricate cold-formed metal framing members by screw fastening, as standard with fabricator. Wire typing of framing members not permitted.
Locate mechanical fasteners and install according to cold-framed metal framing manufacturer's instructions with screw penetrating joined members by not less than 3 exposed screw threads.
Fasten other materials to cold-formed metal framing by screw fastening, according to manufacturer's recommendations.
Reinforce, stiffen, and brace framing assemblies to withstand handling, delivery, and erection stresses. Lift fabricated assemblies to prevent damage or distortion.
Fabrication Tolerances: Fabricate assemblies to a maximum allowable tolerance variation from plumb, level, and true to line of 1/8 inch in 10 feet (1:960) and as follows:
Spacing: Space individual framing members no more than plus or minus 1/8 inch from plan location.
Cumulative error shall not exceed minimum fastening requirements of sheathing or other finishing materials.
Squareness: Fabricate each cold-formed metal framing assembly to a maximum out-of-square tolerance of 1/8 inch.
PART 3- EXECUTION
EXAMINATION
Examine supporting substrates and abutting structural framing for compliance with requirements, including installation tolerances and other conditions affecting performance cold-formed metal framing. Do not proceed with installation until unsatisfactory conditions have been corrected.
INSTALLATION, GENERAL
Cold-formed metal framing and accessories plumb, square, true to line, and with connections securely fastened, according to manufacturer's recommendations and the requirements of this Section.
Cut framing members by sawing or shearing; do not torch cut.
Fasten cold-formed metal framing members by welding or screw fastening, as standard with fabricator. Wire tying of framing members is not permitted.
Locate mechanical fasteners and install according to cold-framed metal framing manufacturer's instructions with screw penetrating joined members by not less than 3 exposed screw threads.
Install framing members in one-piece lengths, unless splice connections are indicated for track or tension members.
Provide temporary bracing and leave in place until framing is permanently stabilized.
Do not bridge building expansion and control joints with cold-formed metal framing. Independently frame both sides of joints.
Erection Tolerances: Install cold-formed metal framing to a maximum allowable tolerance variation from plumb level, and true to line of 1/8 inch in 10 feet (1: 960) and as follows:
NONLOAD BEARING WALL INSTALLATION
Install continuous tracks sized to match studs. Align tracks accurately and securely anchor to supporting structure as indicated.
Squarely seat studs against webs of top and bottom tracks except where deflection tracks are detailed.
Fasten both flanges of studs to top and bottom track, unless otherwise indicated.
Isolate steel framing from building structure at locations indicated to prevent transfer of vertical loads while providing lateral support.
Install deflection tracks where indicated and anchor to building structure. Connect suds with vertical slide clips where indicated to continuous angles or supplementary framing anchored to building structure.
Space studs are indicated.
Set studs plumb, except as needed for diagonal bracing or required for non-plumb walls or warped surfaces and similar requirements.
Install horizontal bridging in curtain wall studs, spaces in rows not more than 48 inches apart. Fasten at each stud intersection.
Install additional row of horizontal bridging in curtain wall stud beneath deflection track when curtain wall studs are not fastened to an additional top track.
Bridging: Cold-rolled steel channel, clip angle fastened to webs of punched studs.
Install miscellaneous framing and connections, including stud kickers, web stiffeners, clip angles, continuous angles, anchors, fasteners, and stud girts, to provide a complete and stable curtain wall- framing system.
REPAIRS AND PROTECTION
Galvanizing Repairs: Prepare and repair damaged galvanized coatings on fabricated and install cold-formed metal framing with galvanizing repair paint according to ASTM A 780 and the manufacturer's instructions.
GYPSUM SHEATHING
Gypsum Sheathing Standards: Provide gypsum sheathing board complying with FS SS-L-30 for Type II (sheathing), Class 2 (water-resistant surfaces), Form a (plain back), Grade (core) and Style indicated below; and with ASTM C 79.
Grade W: Water-resistant treated core.
Style: V-tongue and groove long edges, square ends.
Thickness: ½"- or as called for on drawings.
Size: 2'-0' x 8'-0"
MISCELLANEOUS MATERIALS
Fasteners and Anchorages: Provide size, type, material and finish as indicated and as recommended by applicable standards, complying with applicable Federal Specifications for nails, staples, screws, bolts, nuts, washers and anchoring devices. Provide metal hangers and framing anchors of the size and type recommended by the manufacturer for each use including recommended nails.
Where rough carpentry work is exposed to weather, in ground contact, or in area of high relative humidity, provide fasteners and anchorages with a hot-dip zinc coating (ASTM A 153).
Building Paper: ASTM D 226, Type 1; asphalt saturated felt, non-perforated, 15-lb. type or as shown on drawings.
WOOD TREATMENT
Preservative Treatment: Where lumber or plywood is indicated as "P.T" or "Treated," or is specified herein to be treated, comply with applicable requirements of AWPA LP-2. After treatment, kiln-dry lumber and plywood to a maximum moisture content, respectively, of 10% and 15%. Treat indicated items and the following:
Wood cants, nailers, curbs, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers and waterproofing.
Wood sills, sleepers, blocking, furring, stripping, and similar concealed members in contact with masonry or concrete.
Wood framing members less than 18" above grade.
Complete fabrication of treated items prior to treatment, where possible. If cut after treatment, coat cut surfaces with heavy brush coat of same chemical used for treatment and to comply with AWPA M4. Inspect each piece of lumber or plywood after drying and discard damaged or defective pieces.

PART 3- EXECUTION
INSTALLATION, GENERAL
Discard units of material with defects which might impair quality of work, and units which are too small to use in fabricating work with minimum joints or optimum joint arrangement.
Set carpentry work to required levels and lines, with members plumb and true and cut and fitted.

Securely attach carpentry work to substrate by anchoring and fastening as shown and as required by recognized standards. Countersink nail heads on exposed carpentry work and fill holes.
Use common wire nails, except as otherwise indicated. Use finishing nails for finish work. Select fasteners of size that will not penetrate members where opposite side will be exposed to view or will receive finish materials. Make tight connections between members. Install fasteners without splitting of wood; predrill as required.
WOOD GROUNDS, NAILERS, BLOCKING AND SLEEPERS
Provide wherever shown and where required for screeding or attachment of other work. Form to shapes as shown and cut as required for true line and level of work to be attached. Coordinate location with other work involved.
Attach to substrates as required to support applied loading. Countersink bolts and nuts flush with surfaces, unless otherwise shown. Build into masonry during installation of masonry work. Where possible, anchor to formwork before concrete placement.
Provide permanent grounds of dressed, preservation treated, key-beveled lumber not less than 1-1/2" wide and of thickness required to bring face of ground to exact thickness of finish material involved. Remove temporary grounds when no longer required.
WOOD FURRING
Install plumb and level with closure strips at edges and openings. Shim with wood as required for tolerance of finished work.
Firestop furred spaces on walls at each floor level and at ceiling line of top story, with wood blocking or noncombustible materials, accurately fitted to close furred spaces.
Use "Wil-Seal" or equal at roof line.
Furring to Receive Gypsum Drywall: Unless otherwise shown, provide 1" x 2" furring at 16" o.c., vertically (unless called for otherwise on drawings).
WOOD FRAMING, GENERAL
Provide framing members of sizes and on spacings shown, and frame openings as shown, or if not shown, comply with recommendations of "Manual for House Framing" of American Wood Council. Do not splice structural members between supports.
Anchor and nail as shown, and to comply with "Recommended Nailing Schedule" of "Manual for House Framing" and "National Design Specifications for Wood Construction" published by AWC.
Firestop concealed spaces with wood framed walls and partitions at each floor level and at the ceiling line of the tope story. Where firestops are not automatically provided by the framing system used, use closely-fitted wood blocks of nominal 2" thick lumber of the same width as framing members.
GYPSUM WALL SHEATHING
General: Provide gypsum board sheathing were shown. Fasten to exterior face of stud framing for exterior walls. Use 1-1/2" long. 11 gage galvanized roofing nails with 3/8" head or 15 gage divergent point galvanized staples ½" wide x 1-1/2" long. Keep perimeter fasteners 3/8" from edges and ends of board units. Fit boards tightly against each other and around openings.
Install 2' x 8' sheathing horizontally with long edges at right angles to studs with grooved edge down. Center end joints over supports and stagger in each course. Nail or staple to each support in accordance with manufacturer's recommended spacing, but provide not less than 4 fasteners per 2' width per stud if framing is diagonally braced, or not less than 7 fasteners per 2' width per stud if not braced.

SECTION 07115 - SHEET WATERPROOFING
PART 1- GENERAL
SUBMITTALS
Pre-Construction Conference: Prior to installation of waterproofing and associated work, meet at project site, or other mutually agreed location, with Installer, roofing sheet manufacturer, installers of related work, and other entities concerned with roofing performance, including (where applicable) Owner's insurer, test agencies, governing authorities, Architect, and Owner. Record discussions and agreements and furnish copy to each participant. Provide at least 72 hours advance notice to participate prior to convening pre-roofing conference.
Product Data: Submit project data and general recommendations from waterproofing materials manufacturer, for type of waterproofing required. Include data substantiating that materials comply with requirements.
Submit product lit. for waterproofing sheet material to be used.
Submit product lit. for all related products including accessories such as primers, adhesives, and flashing materials.
Submit product lit. for all sealants and caulkings to be used on this project.
Submit product lit. for all insulations to be used on this project including aged "R" values.
SAMPLES
Submit (2) samples of sheet waterproofing, 12" x 12".
Submit (2) samples of protection board, 12" x 12".
Submit (2) samples of drainage material, 12" x 12".
Submit (2) samples of insulation, 12" x 12".
QUALITY ASSURANCE
Manufacturer: Obtain primary waterproofing materials of each type required from a single manufacturer, to greatest extent possible. Provide secondary materials only as recommended by manufacturer of primary materials.
Installer: Firm with not less than 3 years of successful experience in installation of waterproofing similar to requirements for this project and which is acceptable to manufacturer of primary waterproofing materials.
Pre Installation Conference: Submit copies of pre-construction conference records.
SYSTEM PERFORMANCE: Provide sheet waterproofing products which have been produced and installed to establish and maintain watertight continuous seals.
PROJECT CONDITIONS
Substrate: Proceed with waterproofing and associated work only wen existing and forecasted weather conditions will permit work to be performed in accordance with manufacturers' recommendations and warranty requirements. Surfaces to receive waterproofing materials shall be dry at application.
SPECIAL PROJECT WARRANTY
Provide written warranty, agreeing to replace/repair defective materials and workmanship. Warranty includes responsibility for removal and replacement of other work which conceals sheet waterproofing.
Warranty period is five years after substantial completion.
PART 2- PRODUCTS
MATERIALS
General: Provide sheet waterproofing materials complying with required performance. Other similar material certified in writing to be equal-to-or-better-than specified may be used in acceptable by Architect.
EPDM
Ethylene propylene diene monomers formed into uniform flexible sheets of thickness shown, not les than 60 mils thick, complying with the following:
Hardness: 50 to 70 Shore A; ASTM D 2240
Tensile Strength: 1400 psi; ASTM D 412
Ultimate Elongation: 300 percent; ASTM D 412.
Brittleness Temperature: - 75 deg F (-59 deg C); ASTM D 746
Tear Resistance: 125 lbs. per lin. Inch; ASTM D 624 (Die C).
Resistance to Heat Aging: Maximum hardness increase of 15 points, maximum reduction in elongation of 30 percent and maximum loss of tensile strength of 15 percent (168 hrs. at 240 def F, 116 deg C); ASTM D 573.
Resistance to Ozone Aging: No cracks after 168 hours exposure of 50 percent elongated sample at 104 deg F (40 deg C) and 100 pphm ozone; ASTM D 1149.
Available products: Subject to compliance with requirements, products which may be incorporated in the work include, but are not limited to, the following:
Sure-Seal EPDM; Carlisle Syntec Systems. Rubber Gards: Firestone Building Products Co. Versigard; Goodyear Tire and Rubber Co.
AUXILIARY MATERIALS
Elastomeric Waterproofing Membrane and accessories are to be supplied by the manufacturer or purchased from a manufacturer approved source.
45 Mil, EPDM membrane.
Base flashing shall be of the membrane material and 60 Mil uncured sheet as supplied by membrane manufacturer.
Seam primer to be specially formulated and designed as a preparation for seam surfaces to increase ultimate seam strength. Supplied by manufacturer or manufacturer approved source.
Membrane adhesive used for bonding EPDM and EPDM sheet together as supplied by the manufacturer.
Lap sealant is to be used to seal all field seams and laps. Sealant is to be of gun consistency and as supplied by the manufacturer.
Water cut-off mastic used to seal membrane sheeting at roof drains and terminations is to be as supplied by the manufacturer.
Nite-seal used to construct temporary water cut-offs. Supplied by manufacturer or manufacturer approved source.
Substrate adhesive used to bond flashing to walls and projections to be as supplied by the manufacturer.

Pipe Flashings:
Molded pipe flashings to be used where possible, use field fabricated pipe seals elsewhere
Protection Board:
Shall be as recommended by the membrane.
Other Materials:
All other materials not specifically described but required for a complete and proper installation of the work in this section shall be as selected by the Contractor, approved by the manufacturer, and subject to the approval of the Owner.
RUBBERIZED ASPHALT SHEET WATERPROOFING
Self-adhering membrane of rubberized asphalt integrally bonded to polyethylene sheeting, formed into uniform flexible sheets of thickness shown, or not less than 56 mils if no thickness is shown, complying with the following:
Tensile Strength: 250 psi min; ASTM D 412.
Ultimate Elongation: 300 percent min; ASTM D 412
Brittleness Temperature: -25 deg F (-32 deg C); ASTM D 746.
Hydrostatic Head Resistance: 150 feet min.
Water Absorption: Not more than 0.5 percent weight gain after 48 hours of immersion at 70 deg F (21 deg C); ASTM D 570.
Available Products: Subject to compliance with requirements, products which may be incorporated in the work include, but are not limited to, the following:
Products: Subject to compliance with requirements, provide one of the following:
Bituthene; W.R. Grace & Co.
Pastiwrap; Progress Unlimited, Inc.
AquaSeal; J & P Petroleum Products, Inc.
AUXILIARY MATERIALS
Flashing materials shall be formed of the membrane material.
Primer, shall be as manufactured by the membrane manufacturer.
Sheet metal shall be 24 ga. Galvanized steel unless specified otherwise on the drawings.
Protection board, shall be as recommended by the membrane manufacturer.
Protection course: Where shown, provide type recommended by waterproofing sheet manufacturer, unless another type is indicated: include adhesives recommended by manufacturer.
INSULATING MATERIALS
General: Provide insulating materials to comply with requirements indicated for materials and compliance with referenced standards; in sizes to git applications indicated, selected from manufacturer's standard thicknesses, widths and lengths.
Extruded Polystyrene Board Insulation: Rigid, cellular thermal insulation with closed cells and integral high density skin, formed by the expansion of polystyrene base resin in an extrusion process to comply with ASTM C 578 for Type indicated; with 5-year aged r-values of 5.4 and 5 at 40 and 75 deg F (4.4 and 23.9 deg C), respectively, and as follows:
70 lbs. per square inch minimum compressive strength
Products:
Dow Chemical USA- Type PD. - Styrofoam
Formular- Formular 600
Surface Burning Characteristics: Maximum flame spread and smoke developed values of 5 and 165, respectively.
PART 3- EXECUTION
PREPARATION
General: Comply with manufacturer's instructions for surface preparation.
Surfaces to receive new waterproofing products shall be clean, dry , monolythic and free of obvious depression or ridges.
Prior to installation of waterproofing and associated work, meet at project site with Installer of each component of associated work, inspection and testing agency representatives (if any), and installers of work requiring coordination with waterproofing work. Review materials selections and procedure to be followed in performing work.
On vertical foundations walls chip off projections where necessary for proper placement and adhesion of waterproofing sheet.
Apply primer to concrete and masonry surfaces at rate recommended by manufacturer or primary waterproofing materials. Prime only area which will be covered by WP membrane in same working day; reprime areas not covered by WP membrane within 24 hours.
INSTALLATION
Comply with manufacturer's instructions for handling and installation of sheet waterproofing materials.
Coordinate installation of waterproofing materials and associated work to provide complete system complying with combined recommendations of manufacturers and installers involved in work. Schedule installation to minimize period of exposure of sheet waterproofing materials.
Extend waterproofing sheet and flashings as shown to provide complete membrane over area indicated to be waterproofed. Seal to projections through membrane and seal seams. Bond to vertical surfaces and also, where shown or recommended by manufacturer, bond to horizontal surfaces. All vertical flashings shall consist of the membrane and a second flashing ply.
Tope Edge Seal: For vertical and sloped wall membrane, finish in reglet (where provided), otherwise finish under flashing or under masonry in joint. Caulk exposed edges with mastic or sealant.
Install protection course of type indicated over completed membrane, complying with manufacturer's recommendations for both waterproofing sheet and protection course materials.
PERFORMANCE REQUIREMENTS
It is required that waterproof membranes are watertight and not deteriorate in excess of limitations published by the manufacturer.
In- place Testing: Before completed membranes on horizontal surfaces are covered by protection course or other work, test for leaks with 2" depth of water maintained for 24 hours. Repair any leaks revealed by examination of substructure and repeat test until no leakage is observed. Testing shall be performed by the installing contractor and verified by the Owner's representative. Re test areas as required to obtain a 24 hour leak free test.
CLEANING
After completion, remove any masking materials and stains from exposed surfaces caused by waterproofing installation.
PROTECTION
Institute required procedures for protection of completed membrane during installation of work over membrane and throughout remainder of construction period. Do not allow traffic of any type of unprotected membrane.

SECTION 07210 - BUILDING INSULATION
PART 1 - GENERAL
SUMMARY
This Section includes the following:
Insulation under slabs-on-grade
Concealed building insulation
Loose-fill building insulation
DELIVERY, STORAGE, AND HANDLING
Protect insulation materials from physical damage and from deterioration by moisture, soiling, and other sources. Store inside and in a dry location. Comply with manufacturer's written instructions for handling, storing, and protecting during installation.

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236 MARTIN STREET
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ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
SPECIFICATIONS

SHEET
T1.3

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6524
REGISTERED ARCHITECT

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PART 2- PRODUCTS
MANUFACTURERS
Available Manufacturers: Subject to compliance with requirements, manufacturers offering insulation products that may be incorporated in the work include, but are not limited to, the following:
Extruded- Polystyrene Board Insulation:
Dow Chemical Co.
UC Industries, Inc.: Owens-Corning Co.
Molded- Polystyrene Board Insulation:
AFM Corporation
DiversiFoam Products
Grace: W.R. Grace & Co. (Conn); Construction Products Division
Manufacturers with a third-party certification program satisfying model building code mandatory requirement for foam plastics.
Polyisocyanurate Board Insulation:
Celotex Corporation (The)
NRG Barriers, Inc.
Cellular Glass Insulation:
Pittsburgh Corning Corporation
Glass- Fiber Insulation:
CertainTeed Corporation
Owens- Corning Fiberglas Coroporation
Slag- Wool-/ Rock-Wool- Fiber Insulation
Fibrex Inc.
Partek Insulations, Inc.
USG Interiors, Inc.
Foamed In-Place Insulation:
Core-Fill-500; Tailored Chemical Products, Inc.
INSULATING MATERIALS
General: Provide insulating materials that comply with requirements and with referenced standards.
Performed Units: Sizes to fit applications indicated; selected from manufacturer's standard thicknesses, widths, and lengths.
Extruded-Polystyrene Board insulation: Rigid, cellular polystyrene thermal insulation formed from polystyrene base resin by an extrusion process using hydrochlorofluorocarbons as blowing agent to comply with ASTM C 578 for type and with other requirements indicated below:
Type IV, 1060-lb/cu.Ft. minimum density, unless otherwise indicated.
Surface-Burning Characteristics: Maximum flame-spread and smoke-developed indices of 75 and 450, respectively.
Molded-Polystyrene Board Insulation: Rigid, cellular polystyrene thermal insulation formed by expansion of polystyrene resin beads or granules closed mold to comply with ASTM C 578 for type and with other requirements indicated below:
Type 1, 0.9-lb/ cu. Ft. minimum density.
Surface-Burning Characteristics: Maximum flame-spread and smoke-developed indices of 75 and 450, respectively.
Polyisocyanurate Board Insulation: Rigid, cellular polyisocyanurate thermal insulation with core formed by using hydrochlorofluorocarbons as blowing agent and faced on both sides with aluminum foil to comply with referenced standards and with other requirements indicated below:
Federal Standard: FS HH-1-1972/1, Class 1 (nonreinforced core) or 2 (reinforced core).
ASTM Standard: ASTM C 1289, Type 1 Class 1 or 2
Surface Burning Characteristics: Maximum flame-spread and smoke-developed indices of 75 and 450, respectively, based on tests performed on unfaced core on thicknesses up to 4 inches.
Thermal Resistivity: R = 30 minimum - Roof Insulation
Thermal Resistivity: R = 19 minimum - Stud Wall Insulation
Thermal Resistivity: R = 06 minimum - CMU Wall Insulation
Unfaced Mineral-Fiber Blanket Insulation: Thermal insulation combining mineral fibers of type described below with thermosetting resins to comply with ASTM C 665, Type I (blankets without membrane facing).
Mineral- Fiber Type: Fibers manufactured from glass, slag wool, or rock wool.
Surface-Burning Characteristics: Maximum flame-spread and smoke-developed indices of 25 and 50, respectively.
Faced Mineral-Fiber Blanket Insulation: Thermal insulation combining mineral fibers of type described below with thermosetting resins to comply with ASTM C 665, III, Class A (blankets with reflective vapor-retarder membrane facing and flame spread of 25 or less); with foil-scrim-kraft, foil-scrim-polyethylene vapor-retarder membrane on 1 face.
Mineral- Fiber Type: Fivers manufactured from glass, slag wool, or rock wool.
VAPOR RETARDERS
Polyethylene Vapor Retarder: ASTM D 4397, 6 mils thick, with maximum permeance rating of .013 perm.
Vapor-Retarder Tape: Pressure-sensitive tape of type recommended by vapor retarder manufacturer for sealing joints and penetrations in vapor retarder.
Products: Subject to compliance with requirements, provide one of the following:
Reinforced-Polyethylene Vapor Retarders:
DURA-SKRIM 6 WB; Raven Industries, Inc.
Griffolyn T-65; Reef Industries, Inc., Griffolyn Div.
AUXILIARY INSULATING MATERIALS
Adhesive for Bonding Insulation: Product with demonstrated capability to bond insulation securely to substrates indicated without damaging insulation and substrates.
Protection Board: Premolded, semirigid asphalt/ fiber composition board, ¼ inch (6 mm) thick, formed under heat and pressure, standard sizes.
PART 3- EXECUTION
EXAMINATION
Examine substrates and conditions, with Installer present, for compliance with requirements of Section in which substrates and related work are specified and to determine if other conditions affecting performance of insulation are satisfactory. Do not proceed with installation until unsatisfactory conditions have been corrected.
PREPARATION
Clean substrates of substances harmful to insulations or vapor retarders, including removing projections capable on puncturing vapor retarders or that interfere with insulation attachment.
INSTALLATION, GENERAL
Comply with insulation manufacturer's written instructions applicable to products and application indicated.
Extend insulation in thickness indicated to envelop entire area to be insulated. Cut and fit tightly around obstructions and fill voids with insulation. Remove projections that interfere with placement.
Apply single layer of insulation to produce thickness indicated, unless multiple layers are otherwise shown or required to make up total thickness.
INSTALLATION OF GENERAL BUILDING INSULATION
Apply insulation units to substrates by method indicated, complying with manufacturer's written instructions. If no specific method is indicated, bond units to substrate with adhesive or use mechanical anchorage to provide permanent placement and support of units.
Seal joints between closed-cell (nonbreathing) insulation units by applying adhesive, mastic, or sealant to edges of each unit to form a tight seal as units are shoved into place. Fill voids in completed installation with adhesive, mastic or sealant as recommended by insulation manufacturer.
Set vapor-retarder-faced units with vapor retarder to warm side of construction, unless otherwise indicated. Do not obstruct ventilation spaces, except for firestopping.
Tape joints and ruptures in vapor retarder, and seal each continuous area of insulation to surrounding construction to ensure airtight installation.
INSTALLATION OF VAPOR RETARDERS
General: Extend vapor retarder to extremities of areas to be protected from vapor transmission. Secure in place with adhesives or other anchorage system as indicated. Extend vapor retarder to cover miscellaneous voids in insulated substrates, including those filled with loose-fiber insulation.
Seal overlapping joints in vapor retarders with adhesives or vapor-retarders with adhesives or vapor-retarder tape according to vapor retarder manufacturer's instructions. Seal butt joints and fastener penetrations with vapor-retarder tape. Locate all joints over framing members or other solid substrates.
Seal joints caused by pipes, conduits, electrical boxes and similar items penetrating vapor retarders with vapor-retarder tape to create an airtight seal between penetrating objects and vapor retarder.
Repair any tears or punctures in vapor retarders immediately before concealment by other work. Cover with vapor-retarder tape or another layer of vapor retarder.
PROTECTION
General: Protect installed insulation and vapor retarders from damage due to harmful weather exposures, physical abuse, and other causes. Provide temporary coverings or enclosures where insulation is subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.

SECTION 072471- EXTERIOR INSULATION AND FINISH SYSTEMS- CLASS PB
PART 1-GENERAL
SUMMARY
This section includes the following:
Exterior insulation and finish system (EIFS) applied over masonry surfaces.
Exterior insulation and finish system (EIFS) applied over gypsum surfaces.
DEFINITIONS
Class PB Exterior Insulation and Finish System (EIFS) is defined by ASTM PS 49 as a "nonload bearing, exterior wall cladding system that consists of an insulation board attached either adhesively, mechanically, or both to the substrate; an integrally reinforced base coat; and a texture protective finish coat."
Systems refer to Class PB EIFS.
System manufacturer refers to EIFS manufacturer.
PERFORMACE REQUIREMENTS
General: Provide systems that comply with the following performance requirements:
Bond Integrity: Free from bond failure within system components or between system and supporting wall construction, resulting from exposure to fire, wind, loads, weather, or other in-service conditions.
Weathertightness: Resistant to water penetration from exterior into system and assemblies behind it or through them into interior of building that results in deterioration of thermal-insulating effectiveness or other degradation of system and assemblies behind it, including substrates, supporting wall construction, and interior finish.
SUBMITTALS
Product Data: For each component of EIFS specified.
Sample for Initial Selection: Manufacturer's color charts and small-scale samples consisting of units or sections of units showing the full range of colors, textures, and patterns available for each finish choice indicated.
Submit sealant manufacturer's standard bead samples consisting of strips of actual products showing the full range of colors available.
QUALITY ASSURANCE
Installer Qualifications: Engage an experienced installer who has completed systems similar in material, design, and extent to those indicated for this Project and with a record of successful in-service performance.
Manufacturer Qualifications: Engage a firm experienced in manufacturing systems similar to those indicated for this Project and with a record of successful in-service performance.
Source Limitations: Obtain materials for system from one source and by a single manufacturer or by manufacturers approved by EIFS manufacturer as compatible with other system components.
DELIVERY, STORAGE, AND HANDLING
Deliver materials in original, unopened packages with manufacturer's labels intact and clearly identifying products.
Store materials inside and under cover; keep them dry and protected from the weather, direct sunlight, surface contamination, aging, corrosion, damaging temperatures, construction traffic, and other causes.
Stack insulation board flat and off the ground.
PART 2- PRODUCTS
MANUFACTURERS
Available Manufacturers" Subject to compliance with requirements, manufacturers offering Class PB systems that may be incorporated into the Work include, but are not limited to, the following:
Bonsal: W.R. Bonsal Co.
Dryvit Systems, Inc.
Parex Incorporated
Senergy Div.; of Harris Specialty Chemicals, Inc.
Sto Corp.; Sto Finish Systems Div.
MATERIALS
Compatibility: Provide substrates, adhesive, board insulation, reinforcing meshes, base-and finish- coat materials, sealants, and accessories that are compatible with one another and approved for use by system manufacturer for the Project.
Colors, Textures, and Patterns of Finish Coat: Comply with the following requirements:
Provide Architect's selections from system manufacturer's full range of colors, textures, and patterns for type of finish not indicated.
Molded-Polystyrene Board Insulation: Rigid, cellular thermal insulation formed by expansion of polystyrene resin beads or granules in a closed mold. Comply with system manufacturer's requirements, ASTM C 578 for Type I, and "EIMA Guideline Specification for Expanded Polystyrene (EPS) Insulation Board" for more stringent requirements for material performance and qualities of insulation, including dimensions and permissible variations, and the following:
Before cutting and shipping, age insulation in block form by air drying for not less than six weeks or by another method approved by EIMA that produced equivalent results.
Provide insulation in boards not more than 24 by 48 inches and in thickness indicated but not more than 4 inches or les than that allowed by ASTM PS 49.
Reinforcing Mesh: Balanced, alkali-resistant, open-weave glass-fiber mesh treated for compatibility with other system materials, made from continuous multiend stands with retained mesh tensile strength of not less than 120 lbf/in. per EIMA 105.01, complying with ASTM D 578 and the following requirements for minimum weight.
Standard Reinforcing Mesh: Not less than 4.0 oz/sq. yd.
Base-Coat Materials: System manufacturer's standard mixture complying with the following requirements for material composition and method of combining materials:
Factory-mixed formulation of polymer-emulsion adhesive and inert fillers that is ready to use without adding other materials.
Factor--blended dry formulation of Portland cement, dry polymer admixture, and inert fillers to which only water is added at Project site.
Job-combined formulation of manufacturer's standard polymer-emulsion adhesive and manufacturer's standard dry mix containing Portland cement.
Job-mixed formulation of Portland cement complying with ASTM C 150, Type I, white or natural color; and manufacturer' standard polymer-emulsion adhesive designed for use indicated.
Any formulation indicated above.
Finish-Coat Materials: System manufacturer's standard mixture complying with the following requirements for material composition and method of combining materials:
Factory-mixed formulation of polymer-emulsion binder, colorfast mineral pigments, sound stone particles, and fillers.
Aggregate: marble chips of size and color to match Architect's sample.
Mechanical Fasteners: System manufacturer's standard corrosion-resistant fasteners consisting of thermal cap, standard washer and shaft attachments, and fastener indicated below; selected for properties of pullout, tensile, and shear strength required to resist design loads of application indicated; capable of pulling fastener head below surface of insulation boards; and of the following description:
For attachment to steel studs from 0.033 to 0.112 inch in thickness, provide steel drill screws complying with ASTM C 954.
For attachment to light-gage steel framing members not less than 0.0179 inch in thickness, provide steel drill screws complying with ASTM C 1002.
For attachment to wood framing members and plywood sheathing, provide steel drill screws complying with ASTM C 1002, Type W.
For attachment to masonry and concrete substrates, provide sheathing dowel in the form of a plastic wing-tipped fastener with thermal cap, sized to fit insulation thickness indicated and to penetrate substrate to depth required to secure anchorage.
MIXING
General: Comply with system manufacturer's requirements for combining and mixing materials. Do not introduce admixtures, water, or other materials except as recommended by system manufacturer. Mix materials in clean containers. Use materials within time period specified by system manufacturer or discard.
PART 3- EXECUTION
PREPARATION
Protect contiguous work from moisture deterioration and soiled caused by application of systems. Provide temporary covering and other protection needed to prevent spattering of exterior finish coats on other work.
Protect system, substrates, and wall construction behind them from inclement weather during installation.
Prevent infiltration of moisture behind system and deterioration of substrates.
Prepare and clean substrates to comply with system manufacturer's written requirements to obtain optimum bond between substrate and adhesive for insulation.
INSTALLATION
Comply with ASTM PS 49 and system manufacturer's written instructions for installation of system as applicable to each type of substrate indicated.
Apply trim accessories at perimeter of system, at expansion joints, and elsewhere, as indicated. Use drop screed at bottom edge of system, unless otherwise indicated. Use casing beads at other locations.
Adhesively and mechanically attach insulation to comply with ASTM PS 49.

INSTALLATION OF JOINT SEALANTS
Prepare joints and apply sealants, of type and at locations indicated, to comply with applicable requirements in Division 7 Section "Joint Sealants" and "EIMA Guide for Use of Sealants with Exterior Insulation and Finish Systems", Class PB.
Clean surfaces to receive sealants to comply with indicated requirements and system manufacturer's written instructions.
Apply primer recommended in writing by sealant manufacturer for surfaces to be sealed.
Recess sealant sufficiently from surface of system so an additional sealant so an additional sealant application, including backing rod, can be installed without protruding beyond system surface.
CLEANING AND PROTECTING
Remove temporary covering and protection of other work. Promptly remove coating materials from window and door frames and other surfaces outside areas indicated to receive system coatings.
Provide final protection and maintain conditions, in a manner acceptable to installer and system manufacturer, that ensure system is without damage or deterioration at the time of Substantial Completion.

SECTION 07531 - FULLY ADHERED, SINGLE-PLY T.P.O ROOF MEMBRANE
PART 1-GENERAL
SUMMARY
This Section includes the following:
Adhered sheet roofing
Vapor Retarder
Roof Insulation
PERFORMANCE REQUIREMENTS
General: Install sheet membrane roofing and base flashing that are watertight; will not permit the passage of liquid water; and will withstand wind loads, thermally induced movement, and exposure to weather without failure.
Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by roofing system manufacturer based on testing and field experience.
SUBMITTALS
Product Data: For each type of roofing product specified, include data substantiating that materials comply with requirements.
Show Drawings: Include plans, sections, and details of the following:
Base flashings and membrane terminations
Tapered insulation, including slopes
Samples for verification: Of the following products:
12-by-12 inch square of sheet roofing, of color specified, including T-shaped side and end lap seam.
12-by-12 inch square of roof insulation.
Installer Certificates: Signed by roofing system manufacturer certifying that Installer is approved, authorized, or licensed by manufacturer to install specified roofing system.
Provide all test data certifying that ballast and roof complies with all requirements of the 1997 Kentucky Building Code.
DELIVERY, STORAGE, AND HANDLING
Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacturer, and directions for storing and mixing with other components.
Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
Discard and legally dispose of liquid materials that cannot be applied within its stated shelf life.
Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
Handle and store roofing materials and place equipment in a manner to avoid permanent deflection of deck.
PROJECT CONDITIONS
Weather Limitations: Proceed with roofing work only when existing and forecasted weather conditions permit roofing to be installed according to manufacturer's written instructions and warranty requirements.
WARRANTY
General Warranty: The warranties specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.
Standard Roofing Manufacturer's Warranty: Submit a written warranty, without monetary limitation, signed by roofing system manufacturer agreeing to promptly repair leaks resulting from defects in materials or workmanship for the following warranty period.
Warranty Period: 10 years
Provide alternate price for 20 year warranty.
PART 2 - PRODUCTS
MANUFACTURERS
Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
T.P.O. Sheet:
Carlisle Syntec Systems; Carlisle Corp.
Celotex Corp. (The)
Firestone Building Products Co.
GenFlex Roofing Systems; GenCorp Polymer Products
Polyisocyanurate Board Insulation:
Apache Products Co.
Atlas Roofing Corporation
Celotex Corp. (The)
GAF Materials Corp.
NRG Barriers, Inc.

T.P.O. Sheet: Reinforced Thermoplastic Polyolefin roofing membrane sheet complying with ASTM D 4637, Type 1, of the following grade, class thickness, backing, and exposed face color:
Grade and Class: Grade 1 and Class U, unreinforced
Thickness: 45 mils, nominal
Backing: Unbacked
Exposed Face Color: Manufacturer's Standard
AUXILIARY MATERIALS
General: Furnish auxiliary materials recommended by roofing system manufacturer for intended use and compatible with EPDM membrane roofing.
Sheet Flashing: 60-mil thick T.P.O., reinforced or non-reinforced, according to application.
Bonding Adhesive: Manufacturer's standard bonding adhesive.
Splice Adhesive and Cleaner: Single- component butyl adhesive and solvent-based splice cleaner.
Splice Primer and Tape: Manufacturer's standard synthetic rubber polymer primer and 3-inch wide minimum, butyl splice tape with release film.
Lap Sealant: Manufacturer's standard single-component sealant.
Water Cutoff Mastic: Manufacturer's standard butyl mastic sealant.
Metal Termination Bars: Manufacturer's standard aluminum-zinc-allow-coated or zinc-coated steel sheet, approximately 1 inch wide by 0.05 inch thick, prepunched.
Metal Battens: Manufacturer's standard aluminum-zinc-allow-coated or zinc-coated steel sheet, approximately 1 inch wide by 0.05 inch thick, prepunched.
Fasteners: Factory-coated steel fasteners and metal or plastic plates meeting corrosion-resistance provisions of FM 4470, designed for fastening roof insulation to substrate, and acceptable to roofing system manufacturer.
PART 3 - EXECUTION
EXAMINATION
Examine substrates, areas, and conditions under which roofing will be applied, with Installer present, for compliance with requirements.
Verify that wood nailers are in place and secured and match thickness of insulation provided.
PREPARATION
Clean substrate of dust, debris, and other substrates detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Roof roof-drain plugs when no work is taking place or when rain is forecast.
Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of the roof system at the end of the workday or when rain is forecast. Remove and discard temporary seals before beginning work to adj
INSULATION INSTALLATION
Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at the end of the workday.
Comply with roofing system manufacturer's written instructions for installing roof insulation.
Install tapered insulation under area of roofing to conform to slopes indicated and to Shop Drawings.
SEAM INSTALLATION
Clean both faces of splice areas, apply splicing cement, and firmly roll side and end laps of overlapping sheets according to manufacturer's written instructions to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of sheet terminations.
Apply a continuous bed of in-seam before closing splice if required by roofing system manufacturer.
Clean and prime both faces of splice areas, apply splice tape, and firmly roll side and end lap of overlapping sheets according to manufacturer's written instructions to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of sheet terminations.
Repair tears, voids and lapped seams in roofing that does not meet requirements.
FLASHING INSTALLATION
Install sheet flashings and preformed flashing accessories and adhere to substrates according to roofing system manufacturer's written instructions.
Apply bonding adhesive to substrate and underside of flashing sheet at required rate and allot to partially dry.
Do not apply bonding adhesive to seam area of flashing.
Flash penetrations and field-formed inside and outside corners with cured and uncured sheet flashing as recommended by manufacturer.
Clean splice areas, apply splicing cement, and firmly roll side and end lap of overlapping sheets according to manufacturer's written instructions to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of sheet flashing terminations.

SECTION 07620- SHEET METAL FLASHING AND TRIM
PART 1 - GENERAL
SUMMARY
This Section includes sheet metal flashing and trim in the following categories:
Exposed trim, gravel stops, and fasciae
Copings
Metal Flashing
Metal Scupper
QUALITY ASSURANCE
Installer Qualifications: Engage in experienced installer who has completed sheet metal flashing and trim work similar in material, design, and extent to that indicated for this Project and with a record of successful in-service performance.
PROJECT CONDITIONS
Coordinate Work of this Section with interfacing and adjoining Work for proper sequencing of each installation. Ensure best possible weather resistance, durability of Work, and protection of materials and finishes.
PART 2 - PRODUCTS
METALS
Galvanized Steel Sheet: ASTM A 526, G 90, commercial quality, or ASTM A 527, G 90, lock-forming quality, hot-dip galvanized steel sheet with 0.20 percent copper, mill phosphatized where indicated for painting; not less than 0.0396 inch thick, unless otherwise indicated.
Coil-Coated Galvanized Steel Sheet: Zinc-coated, commercial-quality steel sheet conforming to ASTM A 755. G 90 coating designation, coil coated with high-performance fluoropolymer coating as specified in "Coil-Coated Galvanized Steel Sheet Finish" Article; not less than 0.0336 inch thick, unless otherwise indicated.
FABRICATION, GENERAL
Sheet Metal Fabrication Standard: Fabricate sheet metal flashing and trim to comply with recommendations of SMACNA's "Architectural Sheet Metal Manual" that apply to the design, dimensions, metal, and other characteristics of the item indicated.
Comply with details shown to fabricate sheet metal flashing and trim that fit substrates and result in waterproof and weather-resistant performance once installed. Verify shapes and dimensions of surfaces to be covered before fabricating sheet metal.
For exposed sheet metal Work that is without excessive oil canning, buckling, and tool marks and that is true to line and levels indicated, with exposed edges folded back to form hems.
Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate elastomeric sealant to comply with SMACNA standards.
Separate metal from noncompatible metal or corrosive substrates by coating concealed surfaces at locations of contact with asphalt mastic or other permanent separation as recommended by manufacturer.
Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of sheet metal exposed to public view.
Fabricate cleats and attachment devices from same material as sheet metal component being anchored or from compatible, noncorrosive metal recommended by sheet metal manufacturer.
Size: As recommended by SMACNA manual or sheet metal manufacturer for application but never less than thickness of metal being secured.
SHEET METAL FABRICATIONS
General: Fabricate sheet metal items in thickness or weight needed to comply with performance requirements but not less than that listed below for each application and metal.
Gutters with Girth up to 15 inches: Fabricate the following material:
Aluminum: 0.0320 inch thick
Galvanized Steel: 0.0217 inch thick
Coil-Coated Galvanized Steel: 0.0217 inch thick
Gutters with Girth 16 to 20 inches: Fabricate from the following material:
Aluminum: 0.040 inch thick
Galvanized Steel: 0.0276 inch thick
Coil-Coated Galvanized Steel: 0.0276 inch thick
Downspouts: Fabricate from the following material:
Aluminum: 0.024 inch thick
Galvanized Steel: 0.0217 inch thick
Coil-Coated Galvanized Steel: 0.0217 inch thick
Conductor Heads: Fabricate from the following material:
Aluminum: 0.0320 inch thick
Galvanized Steel: 0.0276 inch thick
Coil-Coated Galvanized Steel: 0.0276 inch thick
Scuppers: Fabricate from the following material:
Aluminum: 0.0320 inch thick
Galvanized Steel: 0.0276 inch thick
Coil-Coated Galvanized Steel: 0.0276 inch thick
Exposed Trim, Gravel Stops, and Fasciae: Fabricate from the following material:
Aluminum: 0.050 inch thick
Galvanized Steel: 0.0276 inch thick
Coil-Coated Galvanized Steel: 0.0276 inch thick
Copings: Fabricate from the following material:
Aluminum: 0.050 inch thick
Galvanized Steel: 0.0396 inch thick
Coil-Coated Galvanized Steel: 0.0396 inch thick

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236 MARTIN STREET
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PREPARED FOR
RFI BUILDERS

ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
SPECIFICATIONS

SHEET
T1.4

STATE OF ALABAMA
WILLIAM WHITTAKER
6524
REGISTERED ARCHITECT

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PART 3- EXECUTION
PREPARATION
Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with recommendations of joint sealant manufacture and the following requirements:
Remove all foreign material from joint substrate that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
Clean concrete, masonry, unglazed surfaces of ceramic tile, and similar porous joint substrate surfaces by brushing, grinding, blast cleaning, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining from above cleaning operations by vacuuming or blowing out joints with oil-free compressed air.
Remove laitance and form release agents from concrete.
Clean metal, glass, porcelain enamel, glazed surface es of ceramic tile, and other nonporous surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants.
INSTALLATION OF JOINT SEALANTS
General: Comply with joint sealant manufacturer's printed installation instructions applicable to products and application indicated, except where more stringent requirements apply.
Sealant Installation Standard: Comply with recommendations of ASTM C 1193 for use of joint sealants as applicable to materials, application, and conditions indicated.
Installation of Sealants: Install sealants by proven techniques that result in sealants directly contacting and fully wetting joint substrates, completely filling recesses provided for each joint configuration, and providing uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.
Install sealants at the same time sealant backings are installed.
Tooling of nonsag Sealants: Immediately after sealant application and prior to time skinning or curing begins, tool sealants to form smooth, uniform beads of configuration indicated, to eliminate air pockets, and to ensure contact and adhesion of sealant with sides of joint. Remove excess sealants from surfaces adjacent to joint. Do not use tooling agents that discolor sealants or adjacent surfaces or are not approved by sealant manufacturer.
Provide concave joint configuration per Figure 5A in ASTM C 1193, unless otherwise indicated.
CLEANING
Clean off excess sealants or sealant smears adjacent to joints as work progresses by methods and with cleaning materials approved by manufacturers of joint sealants and of products in which joints occur.

SECTION 08110 - STEEL DOORS AND FRAMES
PART 1 - GENERAL
SUMMARY
This Section includes steel doors and frames.
SUBMITTALS
Shop Drawings showing fabrication and installation of steel doors and frames. Include details of each frame type, elevations of door design types, conditions at openings, details of construction, location and installation requirements of door and frame hardware and reinforcements, and details of joints and connections. Show anchorage and accessory items.
QUALITY ASSURANCE
Provide doors and frames complying with ANSI/SDI 100 "Recommended Specifications for Standard Steel Doors and Frames" and as specified.
DELIVERY, STORAGE, AND HANDLING
Deliver doors and frames cardboard-wrapped or crated to provide protection during transit and job storage. Inspect doors and frames on delivery for damage. Minor damages may be repaired provided refinished items match new work and are acceptable to Architect; otherwise, remove and replace damaged items as directed.
PART 2- PRODUCTS
MANUFACTURERS
Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the Work include, but are not limited to, the following:
Steel Doors and Frames:
Amweld Building Products, Inc.
Ceco Door Products
Republic Builders Products
Steelcraft
MATERIALS
Hot-Rolled Steel Sheets and Strip: Commercial-quality carbon steel, pickled and oiled, complying with ASTM A 569.
Cold-Rolled Steel Sheets: Carbon steel complying with ASTM A 366, commercial quality, or ASTM A 620.
Supports and Anchors: Fabricated from not less than 18 gauge thick steel sheet.
DOORS
Steel Doors: Provide 1-2/4-inch thick doors of materials and ANSI/SDI 100 grades and model specified below:
Exterior Doors: Grade II, heavy-duty, Model 2, seamless design, minimum 0.0516-inch thick galvanized steel sheet faces.
FRAMES
Provide metal frames for doors, transoms, sidelights, borrowed lights, and other openings, according to ANSI/SDI 100. Fabricate frames of minimum 0.0478-inch thick cold-rolled steel sheet.
Fabricate frames with mitered or coped and continuously welded corners.
Door silencers: Except on weather-stripped frames, drill stops to receive 3 silencers on strike jambs of single-door frames and 2 silencers on heads of double-door frames.
FABRICATION
Exposed Fasteners: Unless otherwise indicated, provide countersunk flat or oval heads for exposed screws and bolts.
Thermal-Rated (Insulating) Assemblies: At exterior locations and elsewhere as shown or scheduled, provide doors fabricated as thermal-insulating door and frame assemblies.
Hardware Preparation: Prepare doors and frames to receive mortised and concealed hardware according to final door hardware schedule and templates provided by hardware supplier. Comply with applicable requirements of SDI 107 and ANSI A115 Series specifications for door and frame preparation for hardware.
Reinforce doors and frames to receive-surface-applied hardware. Drilling and tapping for surface-applied hardware may be done at Project site.
Locate hardware as indicated on Shop Drawings or, if not indicated, according to the Door and Hardware Institute's (DHI) "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
FINISHES, GENERAL
Apply primers and organic finishes to doors and frames after fabrication.
STEEL SHEET FINISHES
Factory priming for Field-Painted Finish: Apply shop primer that complies with ANSI A224.1 acceptance criteria, is compatible with finish paint systems indicated, and has capability to provide a sound foundation for field-applied topcoats. Apply primer immediately after surface preparation and pretreatment.
PART 3 - EXECUTION
INSTALLATION
General: Install steel doors, frames, and accessories according to Shop Drawings, manufacturer's data, and as specified.
Placing Frames: Comply with provisions of SDI 105, unless otherwise indicated. Set frames accurately in position, plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is completed, remove temporary braces and spreaders, leaving surfaces smooth and undamaged.
In masonry construction, install at least 3 wall anchors per jamb adjacent to hinge location on hinge jamb and at corresponding heights on strike jamb. Acceptable anchors include masonry wire anchors and masonry T-shaped anchors.
Door Installation: Fit hollow-metal doors accurately in frames, within clearances specified in ANSI/SDI 100.

SECTION 08410 - ALUMINUM ENTRANCES AND STOREFRONTS
PART 1 - GENERAL
SUMMARY
This Section includes the following:
Exterior storefront systems
SYSTEM DESCRIPTION
Glazing: Physically and thermally isolate glazing from framing members.
Wind Loads: Provide entrance and storefront systems, including anchorage, capable of withstanding wind-load design pressures calculated according to requirements of authorities having jurisdiction of the American Society of Civil Engineers' ASCE 7, "Minimum Design Loads for Buildings and Other Structures," 6.4.2, "Analytical Procedure"; whichever is more stringent.
Deflection of framing members in a direction normal to wall plane is limited to 1/175 of clear span of ¾ inch, whichever is smaller, unless otherwise indicated.
SUBMITTALS
Product Data: For each product specified. Include details of construction relative to materials, dimensions of individual components, profiles, and finishes.
Shop Drawings: For entrance and storefront systems. Show details of fabrication and installation, including plans, elevations, sections, details of components, provisions for expansions and contraction, and attachments to other work.
For entrance systems, include hardware schedule and indicate operating hardware types, quantities, and locations.
Samples for Initial Selection: Manufacturer's color charts showing the full range of colors available for units with factory-applied color finishes.
QUALITY ASSURANCE
Installer Qualifications: Engage an experience installer to assume engineering responsibility and perform work of this Section who has specialized in installing entrance and storefront systems similar to those required for this Project and who is acceptable to manufacturer.
Source Limitations: Obtain each type of entrance and storefront system through one source from a single manufacturer.
PROJECT CONDITIONS
Field Measurements: Verify dimensions by field measurements before fabrication and indicate measurements on Shop Drawings.
PART 2 - PRODUCTS
MANUFACTURERS
Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
Kowneer Company, Inc.
Tubelite Architectural Systems
YKK AP America Inc.
MATERIALS
Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated, complying with the requirements of standards indicated below:
Sheet and Plate: ASTM B 209
Extruded Bars, Rods, Shapes, and Tubes: ASTM B 221
Extruded Structural Pipe and Tubes: ASTM B 429
Secondary Sealant: For use as weatherseal, compatible with structural silicone sealant and other system components with which it comes in contact, and that accommodates at 50 percent increase or decrease in joint width at the time of application when measured according to ASTM C 719.
Color: As selected by Architect from manufacturer's full range of colors
COMPONENTS
Doors: Provide manufacturer's standard 1-3/4- inch thick glazed doors with minimum 0.125-inch thick, extruded tubular rail and medium-stile members.
Brackets and Reinforcements: Provide manufacturer's standard brackets and reinforcements that are compatible with adjacent materials. Provide nonstaining, nonferrous shims for aligning system components.
Fasteners and Accessories: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials.
Reinforce members as required to retain fastener threads.
Weather Stripping: Manufacturer's standard replaceable weather stripping as follows:
Compression Weather Stripping: Molded neoprene complying with ASTM D 2000 requirements or molded PVC complying with ASTM D 2287 requirements.
HARDWARE
General: Refer to hardware schedule on drawings. Provide medium duty hardware units indicated in sizes, number and type recommended by manufacturer for entrances indicated. Finished exposed parts to match door finish, unless otherwise indicated.
Pull Handles: As selected by Architect from manufacturer's full range of pull handles and plates.
Push Bars: As selected by Architect from manufacturer's full range of full-door-width, single-bar push bars.
Thresholds: At exterior doors, provide manufacturer's standard threshold with cutouts coordinated for operating hardware, with anchors and jamb clips, and not more than ½- inch high, with beveled edges providing a floor level change with a slope of not more than 1:2, and in the following materials:
Material: Aluminum, mill finish
Weather Sweeps: Manufacturer's standard weather sweep for application to exterior door bottoms and with concealed fasteners on mounting strips.
ALUMINUM FINISHES
General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations relative to applying and designating finishes.
Color: As selected by Architect from the full range of industry colors and color densities.
PART 3 - EXECUTION
INSTALLATION
General: Comply with manufacturer's written instructions for protecting, handling, and installing entrance and storefront systems. Do not install damaged components. Fit frame joints to produce hairline joints free of burrs and distortion. Rigidly secure nonmovement joints. Seal joints watertight.
Set continuous sill members and flashing in a full sealant bed to provide weathertight construction, unless otherwise indicated.
Install framing components plumb and true in alignment with established lines and grades without warp or rock of framing members.
Install entrances plumb and true in alignment with established lines and grades without warp or rock. Lubricate operating hardware and other moving parts according to hardware manufacturers' written instruction.
Install surface-mounted hardware according to manufacturer's written instruction using concealed fasteners to greatest extent possible.
ADJUSTING AND CLEANING
Adjust doors and hardware to provide tight fit at contact points and weather stripping, smooth operation, and weathertight closure.
Remove excess sealant and glazing compounds, and dirt from surfaces.
PROTECTION
Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure entrance and storefront systems are without damage or deterioration at the time of Substantial Completion.

SECTION 08710 - DOOR HARDWARE
PART 1 GENERAL
1.01 SECTION INCLUDES
A. Hardware for wood, aluminum, and hollow metal doors.
B. Hardware for fire-rated doors.
C. Lock cylinders for doors with balance of hardware specified in other sections.
D. Thresholds.
E. Weatherstripping and gasketing.

1.02 RELATED REQUIREMENTS
A. Section 062000 - Finish Carpentry: Wood door frames.
B. Section 064100 - Architectural Wood Casework: Cabinet hardware.
C. Section 079200 - Joint Sealants: Sealants for setting exterior door thresholds.
D. Section 080671 - Door Hardware Schedule: Schedule of door hardware sets.
E. Section 081113 - Hollow Metal Doors and Frames.
F. Section 081116 - Aluminum Doors and Frames.
G. Section 081213 - Hollow Metal Frames.
H. Section 081416 - Flush Wood Doors.
I. Section 081433 - Stile and Rail Wood Doors.
J. Section 084313 - Aluminum-Framed Storefronts: Door hardware, except as noted in section.

1.03 REFERENCE STANDARDS
A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design 2010.
B. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen 2019.
C. BHMA A156.1 - Standard for Butts and Hinges 2021.
D. BHMA A156.2 - Bored and Preassembled Locks and Latches 2017.
E. BHMA A156.3 - Exit Devices 2020.
F. BHMA A156.4 - Door Controls - Closers 2019.
G. BHMA A156.5 - Cylinders and Input Devices for Locks 2020.
H. BHMA A156.6 - Standard for Architectural Door Trim 2021.
I. BHMA A156.7 - Template Hinge Dimensions 2016.
J. BHMA A156.13 - Mortise Locks & Latches Series 1000 2017.
K. BHMA A156.16 - Auxiliary Hardware 2018.
L. BHMA A156.21 - Thresholds 2019.
M. BHMA A156.22 - Standard for Gasketing 2021.
N. BHMA A156.26 - Standard for Continuous Hinges 2021.
O. BHMA A156.28 - Recommended Practices For Mechanical Keying Systems 2018.
P. BHMA A156.115 - Hardware Preparation In Steel Doors And Steel Frames 2016.
Q. BHMA A156.115W - Hardware Preparation in Wood Doors with Wood or Steel Frames 2006.
R. DHI (H&S) - Sequence and Format for the Hardware Schedule 2019.
S. DHI (KSN) - Keying Systems and Nomenclature 2019.
T. DHI (LOCS) - Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames 2004.
U. DHI WDHS.3 - Recommended Locations for Architectural Hardware for Flush Wood Doors 1993; also in WDHS-1/WDHS-5 Series, 1996.
V. ICC (IBC) - International Building Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
W. ICC A117.1 - Accessible and Usable Buildings and Facilities 2017.
X. ITS (DIR) - Directory of Listed Products current edition.
Y. NFPA 80 - Standard for Fire Doors and Other Opening Protectives 2022.
Z. NFPA 101 - Life Safety Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
AA. NFPA 105 - Standard for Smoke Door Assemblies and Other Opening Protectives 2022. BB. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies 2022.
CC. UL (DIR) - Online Certifications Directory Current Edition.
DD. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies Current Edition, Including All Revisions.
EE. UL 1784 - Standard for Air Leakage Tests of Door Assemblies Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS
A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.
B. Sequence installation to ensure facility services connections are achieved in an orderly and expeditious manner.
C. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; require attendance by affected installers and the following:
1. Architect.
2. Installer's Architectural Hardware Consultant (AHC).
3. Hardware Installer.
4. Owner's Security Consultant.
D. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
E. Keying Requirements Meeting:
1. Owner will schedule meeting at project site prior to Contractor occupancy.
2. Attendance Required:
a. Owner.
b. Architect.
3. Agenda:
a. Establish keying requirements.
b. Verify locksets and locking hardware are functionally correct for project requirements.
c. Verify that keying and programming complies with project requirements.
d. Establish keying submittal schedule and update requirements.
4. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:
5. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.
6. Deliver established keying requirements to manufacturers.

1.05 SUBMITTALS
A. See Section 013000 - Administrative Requirements for submittal procedures.
B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions, finishes, and dimensions and profiles of individual components.
C. Shop Drawings - Door Hardware Schedule: A detailed listing that includes each item of hardware to be installed on each door.
1. Prepared by or under supervision of Architectural Hardware Consultant (AHC).
2. Comply with DHI (H&S) using door numbering scheme and hardware set numbers as indicated in Contract Documents.
a. Submit in vertical format.
3. Include complete description for each door listed.
D. Shop Drawings - Electrified Door Hardware: Include diagrams for power, signal, and control wiring for electrified door hardware that include details of interface with building safety and security systems. Provide elevations and diagrams for each electrified door opening as follows:
1. Prepared by or under supervision of Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC).
2. Elevations: Include front and back elevations of each door opening showing electrified devices with connections installed and an operations narrative describing how opening operates from either side at any given time.
3. Diagrams: Include point-to-point wiring diagrams that show each device in door opening system with related colored wire connections to each device.
E. Samples for Verification:
1. Submit minimum size of 2 by 4 inch (51 by 102 mm) for sheet samples, and minimum length of 4 inch (102 mm) for other products.
2. Submit one (1) sample of hinge, latchset, lockset, closer, and [_____] illustrating style, color, and finish.
3. Include product description with samples.
F. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
G. Manufacturer's qualification statement.
H. Installer's qualification statement.
I. Supplier's qualification statement.
J. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
K. Keying Schedule:
1. Submit three (3) copies of Keying Schedule in compliance with requirements established during Keying Requirements Meeting unless otherwise indicated.
L. Warranty: Submit manufacturer's warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
M. Project Record Documents: Record actual locations of concealed equipment, services, and conduit.
N. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
1. See Section 016000 - Product Requirements, for additional provisions.

1.06 QUALITY ASSURANCE
A. Standards for Fire-Rated Doors: Maintain one copy of each referenced standard on site, for use by Architect and Contractor.
B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years of documented experience.
C. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least three years of documented experience.
D. Supplier Qualifications: Company with certified Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC) to assist in work of this section.

1.07 DELIVERY, STORAGE, AND HANDLING
A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

1.08 WARRANTY
A. See Section 017800 - Closeout Submittals for additional warranty requirements.
B. Manufacturer Warranty: Provide manufacturer warranty against defects in material and workmanship for period indicated, from Date of Substantial Completion. Complete forms in Owner's name and register with manufacturer.
1. Closers: 25 years, minimum.
2. Exit Devices: Three years, minimum.
3. Locksets and Cylinders: Three years, minimum.

PART 2 - PRODUCTS
2.01 GENERAL REQUIREMENTS
A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
B. Provide individual items of single type, of same model, and by same manufacturer.
C. Locks: Provide a lock for each door, unless it's indicated that lock is not required.
1. Lock Function: Provide lock and latch function numbers and descriptions of manufacturer's Series. As indicated in hardware sets.
2. Trim: Provide lever handle or pull trim on outside of each lock, unless otherwise indicated.
3. Strikes:
a. Finish: To match lock or latch.
b. Curved-Lip Strikes: Provide as standard, with extended lip to protect frame, unless otherwise indicated.
c. Center Strike At Pairs of Doors: 7/8 inch (22.2 mm) lip.
D. Door Pulls and Push Plates:
1. Provide door pulls and push plates on doors without a lockset, latchset, exit device, or auxiliary lock unless otherwise indicated.
E. Closers:
1. Provide door closer on each exterior door, unless otherwise indicated.
2. Provide door closer on each fire-rated and smoke-rated door.
3. Spring hinges are not an acceptable self-closing device, unless otherwise indicated.
F. Drip Guards: Provide at head of out swinging exterior doors unless protected by roof or canopy directly overhead.
G. Weatherstripping and Gasketing:
1. Provide weatherstripping on each exterior door at head, jambs, and meeting stiles of door pairs, unless otherwise indicated.
2. Provide door bottom sweep as indicated in hardware set, unless otherwise indicated.
H. Fasteners:
1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
a. Aluminum fasteners are not permitted.
b. Provide phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.
2. Provide machine screws for attachment to reinforced hollow metal and aluminum frames.
a. Self-drilling (Tek) type screws are not permitted.
3. Provide stainless steel machine screws and lead expansion shields for concrete and masonry substrates.
4. Provide wall grip inserts for hollow wall construction.
5. Fire-Resistance-Rated Applications: Comply with NFPA 80.
a. Provide wood or machine screws for hinges mortised to doors or frames, strike plates to frames, and closers to doors and frames.
b. Provide steel through bolts for attachment of surface mounted closers, hinges, or exit devices to door panels unless proper door blocking is provided.

2.02 PERFORMANCE REQUIREMENTS
A. Provide door hardware products that comply with the following requirements:
1. Applicable provisions of federal, state, and local codes.
a. IBC.
b. NFPA 101.
2. Accessibility: ADA Standards and ICC A117.1.
3. Fire-Resistance-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
4. Hardware on Fire-Resistance-Rated Doors: Listed and classified by UL (DIR), ITS (DIR), testing firm acceptable to authorities having jurisdiction, or as suitable for application indicated.
5. Hardware for Smoke and Draft Control Doors (Indicated as "S" on Drawings): Provide door hardware that complies with local codes, and requirements of assemblies tested in accordance with UL 1784.
6. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
7. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
8. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.

2.03 HINGES
A. Manufacturers: Conventional butt hinges.
1. BEST; dormakaba Group: www.bestaccess.com/#sle.
B. Properties:
1. Butt Hinges: As applicable to each item specified.
a. Standard Weight Hinges: Minimum of two (2) permanently lubricated non-detachable bearings.
b. Heavy Weight Hinges: Minimum of four (4) permanently lubricated bearings on heavy weight hinges.
c. Template screw hole locations.
d. Bearing assembly installed after plating.
e. Bearings: Concealed fully hardened bearings.
f. Bearing Shells: Shapes consistent with barrels.
g. Pins: Easily seated, non-rising pins.
1) Fully plate hinge pins.
2) Non-Removable Pins: Slotted stainless-steel screws.
h. UL 10C listed for fire-resistance-rated doors.
2. Continuous Hinges: As applicable to each item specified.
a. Geared Continuous Hinges: As applicable to each item specified.
1) Non-handed.
2) Anti-spinning through-fastener.
3) UL 10C listed for fire-resistance-rated doors.
(a) Metal Door Installation: Rated up to 90 minutes.
(b) Wood Door Installation: Rated up to 60 minutes.
4) Sufficient size to permit door to swing 180 degrees
C. Sizes: See Door Hardware Schedule.
1. Hinge Widths: As required to clear surrounding trim.
2. Sufficient size to allow 180-degree swing of door.
D. Finishes: See Door Hardware Schedule.
1. Fully polish hinges, front, back, and barrel.
E. Grades:
1. Butt Hinges: Comply with BHMA A156.1 and BHMA A156.7 for templated hinges.
2. Continuous Hinges: Comply with BHMA A156.26, Grade 1.

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ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
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PREPARED FOR
RFI BUILDERS

ISSUE:
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JOB NO.
25055

DESCRIPTION:
SPECIFICATIONS

SHEET
T1.5

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WILLIAM WHITTAKER
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F. Material: Base metal as indicated for each item by BHMA material and finish designation.
G. Types:
1. Butt Hinges: Include full mortise hinges.
2. Continuous Hinges: Include geared hinges.
H. Quantities:
1. Butt Hinges: Three (3) hinges per leaves up to 90 inches (2286 mm) in height. Add one
(1) for each additional 30 inches (762 mm) in height or fraction thereof.
a. Hinge weight and size unless otherwise indicated in hardware sets:
1) For doors up to 36 inches (914 mm) wide and up to 1-3/4 inches (44.5 mm) thick provide hinges with a minimum thickness of 0.134 inch (3.4 mm) and a minimum of 4-1/2 inches (114 mm) in height.
2) For doors from 36 inches (914 mm) wide up to 42 inches (1067 mm) wide and up to 1-3/4 inches (44.5 mm) thick provide hinges with a minimum thickness of 0.145 inch (3.7 mm) and a minimum of 4-1/2 inches (114 mm) in height.
3) For doors from 42 inches (1067 mm) wide up to 48 inches (1219 mm) wide and up to 1-3/4 inches (44.5 mm) thick provide hinges with a minimum thickness of 0.180 inch (4.6 mm) and a minimum of 5 inches (127 mm) in height.
4) For doors greater than 1-3/4 inches (44.5 mm) thick provide hinges with a minimum thickness of 0.180 inch (4.6 mm) and a minimum of 5 inches (127 mm) in height.
2. Continuous Hinges: One per door leaf.
I. Applications: At swinging doors.
1. Provide non-removable pins at out-swinging doors with locking hardware and all exterior doors.
J. Products:
1. Butt Hinges:
a. Ball Bearing, Five (5) Knuckle.
2. Continuous Hinges:
a. Aluminum geared hinges.

2.04 EXIT DEVICES
A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
B. Properties:
1. Actuation: Crossbar.
2. Touchpads: "T" style metal touchpads and rail assemblies w/ matching chassis covers end caps.
3. Latch Bolts: Stainless steel deadlocking with 3/4-inch (19 mm) projection using latch bolt.
4. Lever Design: Match project standard lockset trims.
5. Cylinder: Include where cylinder dogging or locking trim is indicated.
6. Strike as recommended by manufacturer for application indicated.
7. Sound dampening on touch bar.
8. Dogging:
a. Non-Fire-Resistance-Rated Devices: Hex key 1/4-inch (6 mm) hex key dogging.
b. Fire-Resistance-Rated Devices: Manual dogging not permitted.
9. Touch bar assembly on wide style exit devices to have a 1/4-inch (6.3 mm) clearance to allow for vision frames.
10. All exposed exit device components to be of architectural metals and "true" architectural finishes.
11. Handing: Field-reversible.
12. Fasteners on Back Side of Device Channel: Concealed - exposed fasteners not allowed.
13. Vertical Latch Assemblies' Operation: Gravity, without use of springs.
C. Grades: Complying with BHMA A156.3, Grade 1.
1. Provide exit devices tested and certified by UL or by a recognized independent laboratory for mechanical operational testing to 10 million cycles minimum with inspection confirming Grade 1 Loaded Forces have been maintained.
D. Options:
E. Products:
1. 2000.

2.05 LOCK CYLINDERS
A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
B. Properties:
1. Lock Cylinders: Provide key access on outside of each lock, unless otherwise indicated.
a. Provide cylinders from same manufacturer as locking device.
b. Provide cams and/or tailpieces as required for locking devices.
c. Provide cylinders with appropriate format conventional cores where indicated.
C. Grades:
1. Standard Security Cylinders: Comply with BHMA A156.5.
D. Material:
1. Manufacturer's standard corrosion-resistant brass alloy.
E. Types: As applicable to each item specified.
1. Standard security small format interchangeable core (SFIC) type cylinders, with seven-pin, 1C - 7-pin cores.
F. Applications: At locations indicated in hardware sets, and as follows
1. As required for items with locking devices provided by other sections, including at elevator controls and cabinets.
a. When provisions for lock cylinders are referenced elsewhere in the Project Manual to this Section, provide compatible type of lock cylinder, keyed to building keying system, unless otherwise indicated.
G. Products:
1. Rim/mortise 12E/1E.

2.06 MORTISE LOCKS
A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
B. Properties:
1. Mechanical Locks: Manufacturer's standard.
a. Fitting modified ANSI A115.1 door preparation.
b. Door Thickness Coordination Fitting 1-3/4 inch (44 mm) to 2-1/4 inch (57 mm) thick doors.
c. Latch: Solid, one-piece, anti-friction, self-lubricating stainless steel.
1) Latchbolt Throw: 3/4 inch (19 mm), minimum.
d. Auxiliary Deadlatch: One-piece stainless steel, permanently lubricated.
e. Backset: 2-3/4 inch (70 mm).
f. Lever Trim:
1) Functionality: Allow the lever handle to move up to 45 degrees from horizontal position prior to engaging the latchbolt assembly.
2) Strength: Locksets outside locked lever designed to withstand minimum 1,400 inch-lbs (158.2 Nm) of torque. In excess of that, a replaceable part will shear. Key from outside and/or inside lever will still operate lockset.
3) Spindle: Designed to prevent forced entry from attacking of lever.
4) Independent spring mechanism for each lever.
(a) Trim to be self-aligning and thru-bolted.
5) Handles: Made of forged or cast brass, bronze, or stainless-steel construction. Levers that contain a hollow cavity are not acceptable.
6) Levers to operate a roller bearing spindle hub mechanism.
C. Finishes: See Door Hardware Schedule.
1. Core Faces: Match finish of lockset.
D. Grades:
1. Comply with BHMA A156.13, Grade 1, Security, Grade 1.
a. Durability: Passing 4 million cycles tests verified by third party testing agency.
E. Options:
1. Provide locksets made in a manufacturing facility to compliant with ISO 9001-Quality Management and ISO 14001-Environmental Management.
F. Products: Mortise locks, including standard types.
1. 40H.

2.07 CYLINDRICAL LOCKS
A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
2. Substitutions: Not permitted.
B. Properties:
1. Mechanical Locks:
a. Fitting modified ANSI A115.2 door preparation.
b. Door Thickness Fit: 1-3/8 inches (35 mm) to 2-1/4 inches (57 mm) thick doors.
c. Construction: Hub, side plate, shrouded rose, locking pin to be a one-piece casting with a shrouded locking lug.
1) Through-bolted anti-rotational studs.
d. Cast stainless steel latch retractor with roller bearings for exceptionally smooth operation and superior strength and durability.
e. Bored Hole: 2-1/8-inch (54 mm) diameter.
f. Backset: 2-3/4 inches (70 mm) unless otherwise indicated.
g. Latch: Single piece tail-piece construction.
1) Latchbolt Throw: 9/16 inch (14.3 mm), minimum.
h. Cylinders:
1) Cylinder Core Types: Locks capable of supporting manufacturers' cores, as applicable.
(a) Small format interchangeable.
i. Lever Trim:
1) Style: See Door Hardware Schedule.
2) Functionality: Allow the lever handle to move up to 45 degrees from horizontal position prior to engaging the latchbolt assembly.
3) Strength: Locksets outside locked lever designed to withstand minimum1,400 inch-lbs (158.2 Nm) of torque. In excess of that, a replaceable part will shear. Key from outside and/or inside lever will still operate lockset.
4) Independent spring mechanism for each lever.
(a) Contain lever springs in the main lock hub.
5) Outside Lever Sleeve: Seamless one-piece construction.
6) Keyed Levers: Removable only after core is removed by authorized control key.
C. Finishes: See Door Hardware Schedule.
1. Core Faces: Match finish of lockset.
D. Grades: Comply with BHMA A156.2, Grade 1, Series 4000, Operational Grade 1, Extra Heavy Duty.
1. Durability: Passing 50 Million cycle tests verified by third party testing agency.
E. Material: Manufacturer's standard for specified lock.
1. Critical Latch and Chassis Components: Brass or corrosion-resistance treated steel.
2. Outside Lever Sleeve: Hardened steel alloy.
F. Options:
G. Products: Cylindrical locks, including mechanical and electrified types.
1. 9K (Grade 1).

2.08 DOOR PULLS AND PUSH PLATES
A. Manufacturers:
1. Trimco: www.trimcohardware.com/#sle.
B. Properties:
1. Pull Type: Straight, unless otherwise indicated.
2. Push Plate Type: Flat, with square corners, unless otherwise indicated.
a. Edges: Beveled, unless otherwise indicated.
C. Grades: Comply with BHMA A156.6.
D. Material: Stainless steel, unless otherwise indicated.
E. Products:
1. 1001-11.

2.09 CLOSERS
A. Manufacturers:
1. BEST, dormakaba Group www.bestaccess.com/#sle.
2. dormakaba; dormakaba Group: www.dormakaba.com/us-en/#sle.
B. Properties:
1. Surface Mounted Closers: Manufacturer's standard.
a. Construction: R14 high silicon aluminum alloy.
b. Mechanism: Separate tamper-resistant adjusting valves for closing and latching speeds.
c. Hydraulic Fluid: All-weather type.
d. Arm Assembly: Standard for product specified.
1) Include hold-open, integral stop, or spring-loaded stop feature, as specified in Door Hardware Schedule.
2) Parallel arm to be a heavy-duty rigid arm.
3) Where "IS" or "S-IS" arms are specified in hardware sets, if manufacturer does not offer this arm provide a regular arm mount closer in conjunction with a heavy-duty overhead stop equal to a dormakaba 900 Series.
e. Covers:
1) Type: Standard for product selected.
(a) Full.
2) Material: Plastic.
3) Finish: Painted.
C. Grades:
1. Closers: Comply with BHMA A156.4, Grade 1.
a. Underwriters Laboratories Compliance:
1) Product Listing: UL (DIR) and ULC for use on fire-resistance-rated doors.
(a) UL 228 - Door Closers-Holders, With or Without Integral Smoke Detectors.
D. Code Compliance: As required by authorities having jurisdiction in the State in which the Project is located.
1. Devices listed with California Department of Forestry and Fire Protection, Office of the State Fire Marshal.
E. Types:
1. Rack-and-pinion, surface-mounted. 1-1/2 inches (38 mm) minimum bore.
F. Options:
1. Delayed action, adjustable with an independent valve.
G. Installation:
1. Mounting: Includes surface mounted installations.
2. Mount closers on non-public side of door and stair side of stair doors unless otherwise noted in hardware sets.
3. At outswinging exterior doors, mount closer on interior side of door.
4. Provide adapter plates, shim spacers, and blade stop spacers as required by frame and door conditions.
5. Where an overlapping astragal is included on pairs of swinging doors, provide coordinator to ensure door leaves close in proper order.
H. Products:
1. Surface Mounted:
a. 8900.

2.10 PROTECTION PLATES
A. Manufacturers:
1. Trimco: www.trimcohardware.com/#sle.
B. Properties:
1. Plates:
a. Kick Plates: Provide along bottom edge of push side of every wood door with closer, except aluminum storefront and glass entry doors, unless otherwise indicated.
1) Size: 10 inches (254 mm) high by 2 inch (51 mm) less door width (LDW) on push side of door.
b. Mop Plates: Provide along bottom edge of push side of doors to provide protection from cleaning liquids and equipment damage to door surface.
1) Size: high by 1-1/2 inch (38 mm) less door width (LDW) on pull side and 2 inch (51 mm) LDW on push side of door.
c. Edges: Beveled, on four (4) unless otherwise indicated.
C. Grades: Comply with BHMA A156.6.
D. Material: As indicated for each item by BHMA material and finish designation.
1. Metal Properties: Stainless steel.
a. Metal, Standard Duty: Thickness 0.050 inch (1.27 mm), minimum.
2. Plastic Properties:
a. Plastic, Flexible PVC: Thickness 0.060 inch (1.524 mm), minimum.
E. Installation:
1. Fasteners: Countersunk screw fasteners
F. Products: K0050, K6000

2.11 STOPS AND HOLDERS
A. Manufacturers:
1. Trimco: www.trimcohardware.com/#sle.
B. General:
C. Properties:
1. Wall Bumpers.
D. Grades:
1. Door Holders and Wall Bumpers: Comply with BHMA A156.16 and Resilient Material Retention Test as described in this standard.
E. Material: Base metal as indicated for each item by BHMA material and finish designation.
F. Types:
1. Wall Bumpers: Bumper, concave, wall stop.
2. Floor Stops: Provide with bumper floor stop.
G. Installation:
1. Non-Masonry Walls: Confirm adequate wall reinforcement has been installed to allow lasting installation of wall bumpers.
H. Products:
1. Wall Bumpers 1270WV.
2. Floor Stops 1211.

2.12 THRESHOLDS
A. Manufacturers:
1. National Guard Products, Inc: www.ngpinc.com/#sle.
B. Properties:
1. Threshold Surface: Fluted horizontal grooves across full width.
C. Grades: Thresholds: Comply with BHMA A156.21.
D. Products:
1. 896

2.13 WEATHERSTRIPPING AND GASKETING
A. Manufacturers:
1. National Guard Products, Inc: www.ngpinc.com/#sle.
B. Properties:
1. Weatherstripping Air Leakage Performance: Not exceeding of door opening at 0.3 inches of water pressure differential for single doors, and of door area at 0.3 inches of water pressure differential for double doors for gasketing other than smoke control, as tested according to ASTM E283/E283M; with resilient or flexible seal strips that are easily replaceable and readily available from stocks maintained by manufacturer.
2. Adhesive-Backed Perimeter Gasketing: Slilicone gasket material applied to frame with self-adhesive.
3. Door Sweeps: Neoprene gasket material held in place by flat aluminum housing or flange; surface mounted to face of door with screws.
C. Grades: Comply with BHMA A156.22.
D. Products:
1. Weatherstripping: See Door Hardware Schedule.
2. Smoke Seals: See Door Hardware Schedule.
3. Meeting Stile Seals: See Door Hardware Schedule.
4. Door Bottom Seals:
a. Door Sweeps: See Door Hardware Schedule.

2.14 MISCELLANEOUS ITEMS
A. Manufacturers:
1. Trimco: www.trimcohardware.com/#sle.
B. Properties:
1. Coat Hooks: Provide on room side of door, screw fastened.
a. Material: Stainless steel.
2. Silencers: Provide at equal locations on door frame to mute sound of door's impact upon closing.
a. Single Door: Provide three on strike jamb of frame.
b. Pair of Doors: Provide two on head of frame, one for each door at latch side.
c. Material: Rubber, gray color.
C. Products:
1. Coat Hooks.
2. Silencers.

2.15 KEYS AND CORES
A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
2. Best Cormax System.
3. Substitutions: Not permitted.
B. Properties: Complying with guidelines of BHMA A156.28.
1. Provide small format interchangeable core.
2. Provide keying information in compliance with DHI (KSN) standards.
3. Keying Schedule: Arrange for a keying meeting, with Architect, Owner and hardware supplier, and other involved parties to ensure locksets and locking hardware, are functionally correct and keying complies with project requirements.
4. Keying: Master keyed.
5. Include construction keying and control keying with removable core cylinders.
6. Supply keys in following quantities:
a. Master Keys: 4 each.
b. Construction Master Keys: 6 each.
c. Construction Keys: 15 each.
d. Construction Control Keys: 2 each.
e. Control Keys if New System: 2 each.
f. Change Keys: 2 each for each keyed core.
7. Provide key collection envelopes, receipt cards, and index cards in quantity suitable to manage number of keys.
8. Deliver keys with identifying tags to Owner by security shipment direct from manufacturer.
9. Permanent Keys and Cores: Stamped with applicable key marking for identification. Do not include actual key cuts within visual key control marks or codes. Stamp permanent keys "Do Not Duplicate."
10. Include installation of permanent cores and return construction cores to hardware supplier. Construction cores and keys to remain property of hardware supplier.
C. Products:

2.16 FINISHES
A. Finishes: Identified in Hardware Sets.

PART 3 - EXECUTION

3.01 EXAMINATION
A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.
B. Correct all defects prior to proceeding with installation.
C. Verify that electric power is available to power operated devices and of correct characteristics.

3.02 INSTALLATION
A. Install hardware in accordance with manufacturer's instructions and applicable codes.
B. Install hardware using the manufacturer's fasteners provided. Drill and tap all screw holes located in metallic materials. Do not use "Riv-Nuts" or similar products.
C. Install hardware on fire-rated doors and frames in accordance with applicable codes and NFPA 80.
D. Install hardware for smoke and draft control doors in accordance with NFPA 105.
E. Use templates provided by hardware item manufacturer.
F. Do not install surface mounted items until application of finishes to substrate are fully completed.
G. Wash down masonry walls and complete painting or staining of doors and frames.
H. Complete finish flooring prior to installation of thresholds.
I. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list, unless noted otherwise in Door Hardware Schedule or on drawings.
1. For Steel Doors and Frames: Install in compliance with DHI (LOCS) recommendations.
2. For Steel Doors and Frames: See Section 6549.
3. For Steel Door Frames: See Section 081213.
4. For Aluminum-Framed Storefront Doors and Frames: See Section 084313.
5. For Wood Doors: Install in compliance with DHI WDHS.3 recommendations.
6. Flush Wood Doors: See Section 081416.
7. Stile and Rail Wood Doors: See Section 081433.
8. Mounting heights in compliance with ADA Standards:
a. Locksets: 40-5/16 inch (1024 mm).
b. Push Plates/Pull Bars: 42 inch (1067 mm).
c. Deadlocks (Deadbolts): 48 inch (1219 mm).
d. Exit Devices: 40-5/16 inch (1024 mm).
e. Door Viewer: 43 inch (1092 mm); standard height 60 inch (1524 mm).
J. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal, anchor thresholds with stainless steel countersunk screws.
K. Include in installation for existing doors and frames any necessary field modification and field preparation of doors and frames for new hardware. Provide necessary fillers, reinforcements, and fasteners for mounting new hardware and to cover existing door and frame preparations.

3.03 ADJUSTING
A. Adjust work under provisions of Section 017000 - Execution and Closeout Requirements.
B. Adjust hardware for smooth operation.
C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

3.04 CLEANING
A. Clean finished hardware in accordance with manufacturer's written instructions after final adjustments have been made.

3.05 PROTECTION
A. Protect finished Work under provisions of Section 017000 - Execution and Closeout Requirements.
B. Do not permit adjacent work to damage hardware or finish.

31. HARDWARE SETS
CONTRACTOR TO SUBMIT HARDWARE SCHEDULE FOR REVIEW AND APPROVAL OF ARCHITECT

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
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PREPARED FOR
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ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
SPECIFICATIONS

SHEET
T1.6

STATE OF ALABAMA
WILLIAM WHITTAKER
6524
REGISTERED ARCHITECT

4/10/2026 12:37:03 PM

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SECTION 09255 - GYPSUM BOARD ASSEMBLIES

PART 1 - GENERAL

SUMMARY

This Section includes the following:

Non-load bearing steel framing members for gypsum board assemblies.

Gypsum board assemblies attached to steel framing.

DELIVERY, STORAGE, AND HANDLING

Deliver materials in original packages, containers, or bundles bearing brand name and identification of manufacturer or supplier.

Store materials inside under cover and keep them dry and protected against damage from weather, direct sunlight, surface contamination, corrosion, construction traffic, and other causes. Neatly stack gypsum panels flat to prevent sagging.

Handle gypsum board to prevent damage to edges, ends, and surfaces. Do not bend or otherwise damage metal corner beads and trim.

PROJECT CONDITIONS

Environmental Conditions, General: Establish and maintain environmental conditions for applying and finishing gypsum board to comply with ASTM C 840 and with gypsum board manufacturer's recommendations.

Room Temperatures: For nonadhesive attachment of gypsum board to framing, maintain not less than 40 deg F. For adhesive attachment and finishing of gypsum board, maintain not less than 50 deg F for 48 hours prior to application and continuously after until dry. Do not exceed 95 deg F when using temporary heat sources.

Ventilation: Ventilate building spaces, as required, for drying joint treatment materials. Avoid drafts during hot dry weather to prevent finishing materials from drying too rapidly.

PART 2 - PRODUCTS

MANUFACTURERS

Manufacturers" Subject to compliance with requirements, provide products by one of the following:

- Clark Steel Framing
- Consolidated Systems, Inc.
- Dale Industries, Inc.
- Dietrich Industries, Inc.
- Marino Industries Corp.
- Gold Bond Building Products Div., National Gypsum Co.
- Unimast, Inc.

Gypsum Board and Related Products:

- Domtar Gypsum
- Georgia-Pacific Corp.
- Gold Bond Building Products Div., National Gypsum Co.
- United State Gypsum Co.

FRAMING COMPONENTS

General: Provide components with the following characteristics:

- Minimum Thickness of Base (Uncoated) Metal: 0.0179 inch, unless otherwise indicated.
- Depth: Indicated

- Protective Coating: Manufacturer's standard corrosion- resistant coating

Steel Studs and Runners: ASTM C 645, with flange edges bent back 90 deg and doubled over to form 3/16 inch minimum lip (return).

Component Sizes and Spacings: As indicated but not less than that required to comply with ASTM C 754 with a maximum deflection of L/120 at 5 lbf per sq. ft lateral loading condition.

Suspended Framing: Provide components of sizes indicated but not less than that required to comply with ASTM C 754 for conditions indicated.

Wire for Hangers and Ties: ASTM A 641, Class 1 zinc coating, soft temper.

Steel Rigid Furring Channels: ASTM C 645, hat-shaped, depth of 7/8 inch, and minimum thickness of base (uncoated) metal as follows:

- Fasteners for Metal Framing: Provide fasteners of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel framing and furring members securely to substrates involved; complying with the recommendations of gypsum board manufacturers for applications indicated.

GYPSUM BOARD PRODUCTS

Gypsum Wallboard: ASTM C 36, as follows, unless otherwise indicated;

- Type: Type X
- Lengths: Maximum available to minimize end-to-end butt joints.
- Thickness: 5/8 inch
- Edges: Tapered

Accessories for Interior Installation: Corner beads and edge trim complying with ASTM C 1047 and requirements indicated below:

Material: Sheet steel zinc-coated by hot-dip proves combined with paper, complying with the following requirement:

- Shapes indicated below by reference to Fig. 1 designations with ASTM C 1047:
- Cornerbread on outside corners, unless otherwise indicated.

LC-bead with both face and back flanges: face flange formed to receive joint compound. Use LC-beads for edge trim unless otherwise indicated.

L-bead with face flange only; face flange formed to receive joint compound. Use L-bead where indicated.

Joint Treatments Materials: Comply with ASTM C 475 and the recommendations of both the manufacturers of sheet products and of joint treatment materials for each application indicated.

MISCELLANEOUS MATERIALS

General: Provide auxiliary materials for gypsum board construction that comply with referenced standards and recommendations of gypsum board manufacturer.

Steel drill screws complying with ASTM C 1002 for fastening gypsum board to steel members less than 0.03 inch thick.

Steel drill screws complying with ASTM C 954 for fastening gypsum board to steel members from 0.033 to 0.112 inch thick.

Asphalt-Saturated Organic Felt: ASTM D 226, Type 1 (No. 15 asphalt felt), nonperforated.

PART 3 - EXECUTION

EXAMINATION

Examine substrates to which gypsum board assemblies attach or abut for compliance with requirements for installation tolerances and other conditions affecting performance of assemblies specified in this Section.

Do not proceed until unsatisfactory conditions have been corrected.

Beginning of installation means acceptance of conditions.

INSTALLING SUSPENDED STEEL FRAMING, GENERAL

Steel Framing Installation Standard: Install steel framing to comply with ASTM C 754 and with ASTM C 840 requirements that apply to framing installation.

Install supplementary framing, blocking, and bracing at terminations in gypsum board assemblies and to support other construction. Comply with details indicated and with recommendations of gypsum board manufacturer of, if none available, with "Gypsum Construction Handbook" published by United States Gypsum Co.

Isolate steel framing from building structure at locations indicated to prevent transfer of loading imposed by structural movement.

Where building structure abuts ceiling perimeter or penetrates ceiling.

Where partition framing abut structure except at floor.

Do not bridge building expansion and control joints with steel framing or furring members. Independently frame both sides of joints with framing or furring members as indicated.

INSTALLING SUSPENDED STEEL FRAMING

Suspend ceiling hangers from building structural members and as follows:

Install hangers plumb and free from contact with insulation or other object within ceiling plenum that are not part of supporting structural or ceiling suspension system. Splay hangers only where required to miss obstructions and offset resulting horizontal forces by bracing, counstersplaying, or other equally effective means.

Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with the location of hangers required to support standard suspension system members, install supplemental suspension members and hanger in form of trapezes of equivalent devices. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced standards.

Secure wire hangers by looping and wire-tying, either directly to structures or to inserts, eyescrews, or other devices and fasteners that are secure and appropriate for substrate, and in a manner that will not cause them to deteriorate or otherwise fail due to age, corrosion, or elevated temperatures.

Attach hangers to structural members.

Do not connect or suspend steel framing from ducts, pipes, or conduit.

Sway-brace suspended steel framing with hangers used for support.

Install suspended steel framing components in sizes and at spacings indicated but not less than that required by the referenced steel framing installation standard.

Wire Hangers: 0.1620 inch (8 gauge) diameter, 4 feet o.c.

Rigid Furring Channels (Furring Members): 16 inches o.c.

Installation Tolerances: Install steel framing components for suspended ceilings so that cross-furring members or grid suspension members are level to within 1/8 inch in 12 feet as measured both lengthwise on each member and transversely between parallel members.

Wire-tie or clip furring members to main runners and to other structural supports as indicated.

INSTALLING STEEL FRAMING FOR WALLS AND PARTITIONS

Install runners (tracks) at floors, ceilings, and structural walls and columns where gypsum board stud assemblies abut other construction.

Where studs are installed directly against exterior masonry walls, install asphalt felt strips between studs and wall.

Installation Tolerances: Install each steel framing members so that fastening surfaces do not vary more than 1/8 inch from the plane formed by the faces of adjacent framing.

Install steel studs in sizes and at spacings indicated but not less than that required by the referenced steel framing installation standard to comply with maximum deflection and minimum loading requirements specified.

Install steel studs so that flanges point in the same direction and so that leading edges or ends of each gypsum board can be attached to open (unsupported) edges of stud flanges first.

APPLYING AND FINISHING GYPSUM BOARD, GENERAL

Gypsum Board Application and Finishing Standards: Install and finish gypsum panels to comply with ASTM C 840 and GA-216.

Install gypsum wallboard panels, fastened with screws, with tapered edges taped and finished to produce a flat surface.

Install wall/ partition board panels to minimize the number of abutting end joints or avoid them entirely. Stagger abutting end joints not less than one framing member in alternate courses of board.

Install gypsum panels with face side out. Do not install imperfect, damaged, or damp panels. Butt panels together for a light contact at edges and ends with not more than 1/16 inch of open space between panels. Do not force into place.

Locate both edge or end joints over supports. Position adjoining panels so that tapered edges abut tapered edges, and field-cut edges abut field-cut edges and ends. Do not place tapered edges against cut edges or ends. Stagger vertical joints over different studs on opposite sides of partitions.

Attach gypsum panels to steel studs so that the leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first.

Attach gypsum panels to framing provided at openings and cutouts. Isolate perimeter of non-load bearing gypsum board partitions at structural abutments, except floors, as detailed. Provide ¼ inch to ½ inch wide spaces at these locations and trim edges with U-bead edge trim where edges of gypsum panels are exposed. Space fasteners in gypsum panels according to referenced gypsum board application and finishing standard and manufacturer's recommendations.

INSTALLING TRIM ACCESSORIES

General: For trim accessories with back flanges, fasten to framing with the same fasteners used to fasten gypsum board. Otherwise, fasten trim accessories according to accessory manufacturer's direction for type, length, and spacing of fasteners.

Install corner beads at external corners.

Install edge trim where edge of gypsum panels would otherwise be exposed or semiexposed. Provide edge trim type with face flange formed to receive joint compound except where other types are indicated.

Install LC-bead where gypsum panels are tightly abutted to other construction and back flange can be attached to framing or supporting substrate.

Install L-be3ad where edge trims can only be installed after gypsum panels are installed.

Install U-bead where indicated.

FINISHING GYPSUM BOARD ASSEMBLIES

General: Apply joint treatment at gypsum board joints (both directions); flanges of corner bead, edge trim, and control joints; penetration; fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration and levels of gypsum board finish indicated.

Prefill open joints, rounded or beveled edges, and damaged areas using setting-type joint compound.

Apply joint tape over gypsum board joints except those with trim accessories having concealed face flanges not requiring taping to prevent cracks from developing in joint treatment at flange edges.

Levels of Gypsum Board Finish: Provide the following levels of gypsum board finish per GA-214.

Level 1 for ceiling plenum areas, concealed areas, and where indicated. Apply joint compound specified for embedding coat.

Unless otherwise indicated use level 4 gypsum board finish, embed tape in joint compound and apply three separate coats of joint compound over joints, angles, fastener heads, and accessories. Touch up and sang between coats and after last coat as needed to produce a surface free of visual defects and ready for decoration. Use the following joint compound combination:

- Embedding and First Coat: Setting-type joint compound.
- Fill (Second) Coat: Drying- type, all-purpose or topping compound.
- Finish (Third) Coat: Topping Compound.

CLEANING AND PROTECTION

Promptly remove any residual joint compound from adjacent surfaces.

Provide final protection and maintain conditions, in a manner suitable to installer, that ensures gypsum board assemblies remain without damage or deterioration at time of Substantial Completion.

SECTION 09262 - GYPSUM SHEATHING

PART 1 - GENERAL

SUMMARY

This Section include gypsum sheathing attached to steel framing members in exterior walls (behind exterior finish).

Related Sections: The following Sections contain requirements that relate to this Section:

Division 5 Section "Cold-Formed Metal Framing" for steel framing walls covered with gypsum sheathing.

SUBMITTALS

General: Submit the following according to Conditions of the Contract and Division 1 Specification Sections.

Product data for each grade of gypsum sheathing indicated.

Research reports or evaluation reports from the model code organization acceptable to authorities having jurisdiction evidencing compliance of air-infiltration barrier with building code in effect for Project.

QUALITY ASSURANCE

Single-Source Responsibility: Obtain gypsum sheathing for Project from a single manufacturer.

DELIVERY, STORAGE, AND HANDLING

Deliver gypsum sheathing board and related materials in original packages bearing brand name and identification of manufacturer.

Store gypsum sheathing board so that it is protected against damage from weather, direct sunlight, surface contamination, corrosion, construction traffic, or other causes. Neatly stock gypsum sheathing boards flat on leveled supports off the ground under protective covering.

Handle gypsum sheathing board to prevent damaging edges, ends, backs, or faces.

SEQUENCING AND SCHEDULING

Sequence installing gypsum sheathing board with installing exterior cladding to comply with requirements indicated below:

Do not leave gypsum sheathing board exposed to the weather for longer than 1 month.

Do not leave gypsum sheathing board exposed to weather for more than 1 month or for more than 6 months if protected as indicated in Part 3 "Protection" article.

PART 2 - PRODUCTS

GYPSUM SHEATHING BOARD

Gypsum Sheathing Board with Water-Resistant Core: Gypsum sheathing board consisting of noncombustible gypsum core incorporating a water-resistant materials surfaced on face, and long edges with water-repellant paper bonded to the core. Comply with ASTM C 79 and requirements indicated below:

- Type: Regular
- Edge and End Configuration: Square
- Thickness: ½ inch, unless noted otherwise on drawings

Products: Subject to compliance with requirements, provide one of the following:

Gyproc Gypsum Sheathing, Domtar Gypsum Co.

G-P Gypsum Sheathing, Georgia-Pacific Corp.

Gold Bond Jumbo Gypsum Sheathing, Gold Bond Building Products Div., National Gypsum Co.

Gold Bond Regular Gypsum Sheathing, Gold Bond Building Products Div., National Gypsum Co.

USG Gypsum Sheathing, United States Gypsum Co.

ACCESSORY MATERIALS

Fasteners: Type S steel drill screws, 1 inch long, with organic-polymer coating or other corrosion-protective coating having a salt-spray resistance of more than 800 hours per ASTM B 117, and as follows:

Provide steel drill screws complying with ASTM C 1002 to attach sheathing to steel framing less than 0.03 inch thick.

PART 3 - EXECUTION

INSTALLATION

General: Install gypsum sheathing to comply with manufacturer's instructions, GA-253, and the following:

Cut boards at penetrations, edges, and other obstructions of the work; git tightly against abutting construction, except provide a 3/8 inch setback where non-load-bearing construction abuts structural elements.

Coordinate sheathing installation with flashing and joint sealant installation so that these combined materials are installed in the sequence and manner that prevents exterior moisture from passing through completed exterior wall assembly.

Apply fasteners so that screw heads bear tightly against face of gypsum sheathing boards but do not cut into face paper.

Do not bridge building expansion joints with gypsum sheathing; cut and space edges to match spacing of structural support elements.

Vertical Installation: Install 4-foot-wide gypsum sheathing boards vertically with vertical edges centered over flanges of steel studs. Abut ends and edges of each board with those adjoining boards. Screw-attach boards at perimeter and within field of board to each steel stud as follows:

Fasteners spaced approximately 8 inches o.c. and set back 3/8 inch minimum from edges and end of boards.

TO ASSURE CONSTRUCTION QUALITY: the contractor is required to provide a brief weekly report and update, including task completed, future task, and action items. A timetable and submittal log is also required. See attached samples from another project Failure of the General Contractor to provide weekly status reports and logs will result in reduction, by the Architect, of general conditions monies requested on pay application as these reports demonstrate required management of the project by the contractor.

Weekly Status Report

Project:	PROJECT NAME	Contract Days	Days Worked	Lost Days
Date:	11/16/18	38	23	15

Date	Date	Weather Conditions	High Temp	Precipitation	Worked?
Friday	11/9	Cloudy	62	0.02	No
Saturday	11/10	n/a	n/a	n/a	n/a
Sunday	11/11	n/a	n/a	n/a	n/a
Monday	11/12	Rain	47	1.46	No
Tuesday	11/13	Rain	51	0.5	No
Wednesday	11/14	Rain	49	0.9	No
Thursday	11/15	Rain	45	0.5	No

Task Completed This Week

1 Rain prevented progress
2
3

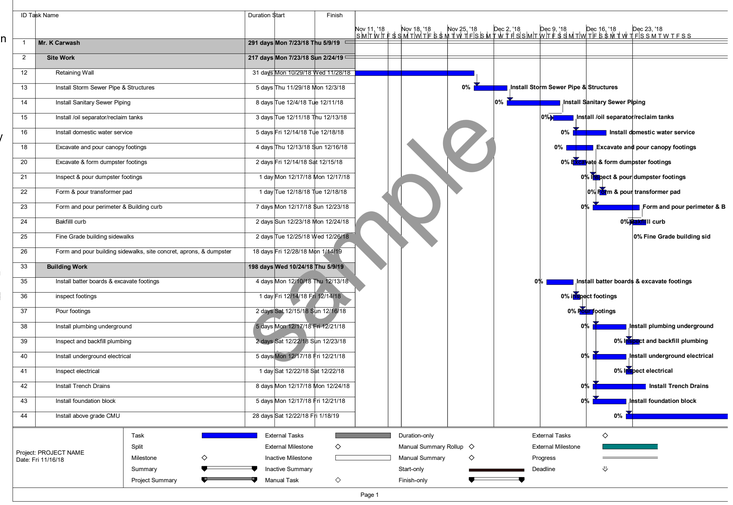
Next Week's Task

1 Remove rock/debris from the site
2 Continue retaining wall construction
3 Accept and stockpile backfill material after rock is removed from the site
4
5

Action Items

1 Retaining wall is under construction and must be completed so that the initial erosion control plan can be put into place.
2 Rock and debris found in the excavation soil. Rycon pricing removal.
3 DOT permit is required for the jack and bore under US 78. Rycon to submit questionnaire.

PROJECT NAME



PROJECT NAME - Submittal Log

Submittal Package #	Submittal Package Name	Date Received	Date Submitted	Date Returned	Closed?	Notes
02600-01-0	Site Structures & Piped Utilities	8/12/2018	8/13/2018	8/24/2018	Y	Approved as Noted
03000-01-0	Concrete Submittals					
03210-01-0	Reinforcing Steel	9/25/2018	9/27/2018	10/16/2018	Y	Approved as Noted
04200-01-0	Masonry Submittals					
05210-01-0	Structural Steel Shop Drawings	11/8/2018	11/9/2018			
06170-01-0	Wood Trusses	11/7/2018	11/7/2018			
07240-01-0	EIFS Submittals					
07500-01-0	Roofing Submittals					
07610-01-0	Metal Canopy Shop Drawings					
08100-01-0	Doors, Frames, and Hardware					
08400-01-0	Storefront & Glass					
09250-01-0	Drywall Submittals					
09310-01-0	Ceramic Tile Submittals					
09510-01-0	Acoustical Ceiling Tile Submittals					
09650-01-0	Flooring Submittals					
09900-01-0	Paint & Wallcovering					
15400-01-0	Plumbing Fixtures & Equipment					
15500-01-0	HVAC Equipment					
16000-01-0	Light Fixtures					
16000-02-0	Electrical Equipment					

sample

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236 MARTIN STREET
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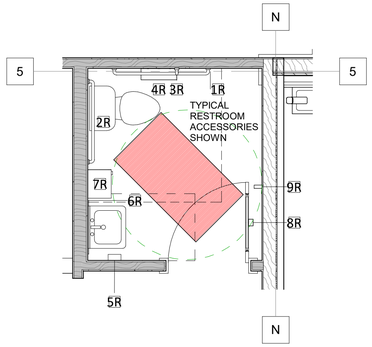
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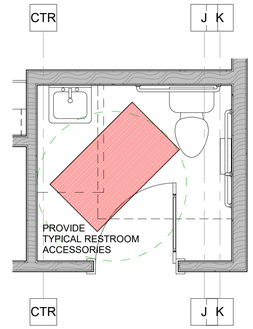
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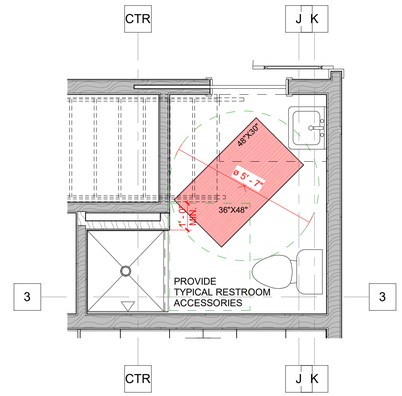
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1 T2.0 01 FIRST FLOOR PLAN - Callout 1
3/8" = 1'-0"



2 T2.0 01 FIRST FLOOR PLAN - Callout 2
3/8" = 1'-0"



3 T2.0 01 FIRST FLOOR PLAN - Callout 3
3/8" = 1'-0"
7C
A8.1

ANNOTATION SYMBOLS:

ROOM NAME
101
150 SF
A
20

ROOM REFERENCE SYMBOL:
-- Room Name
1--: floor number
-- 01: space number
150 SF: net square footage

COLUMN LINES:
2 - consecutive numbers are used for column lines running east & west
B - consecutive letters are used for column lines running north & south
NOTE: If a column line is added. "sub" letters are used with a number/letter

2- face of masonry or face of girder

TITLE
0'-0"
TITLE OF LEVEL
ELEVATION (FT)

1 REVISION SYMBOL
Used to indicate scope of current revision

101 DOOR SYMBOL:
-DOOR NUMBER 101
SEE DOOR SCHEDULE AND FLOOR PLANS

A WINDOW SYMBOL:
-WINDOW TYPE A
SEE EXTERIOR ELEVATIONS AND WINDOW SCHEDULE

L1 LOUVER SYMBOL:
-LOUVER TYPE L1
SEE LOUVER SCHEDULE

A WALL SYMBOL:
-WALL TYPE "A"
SEE PARTITION LEGEND

1 SPECIALTY EQUIPMENT TAG:
-EQUIPMENT TYPE 1
SEE SPECIALTY EQUIPMENT SCHEDULE

1 PLAN KEYNOTE TAG
- NOTE NUMBER 1
SEE FLOOR PLAN NOTE SCHEDULE

1 A101 BUILDING SECTION SYMBOL:
SECTION 1 ON SHEET A101

1 A101 WALL SECTION SYMBOL:
SECTION 1 ON SHEET A101

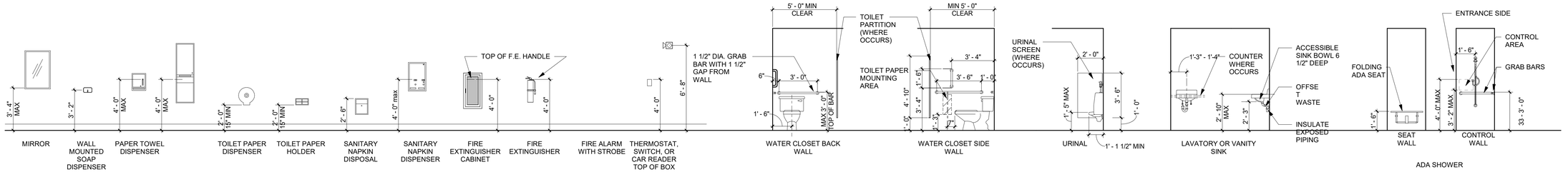
1 A101 ENLARGED DETAIL SYMBOL:
DETAIL 1 ON SHEET A101

1 A101 EXTERIOR ELEVATION SYMBOL:
ELEVATION 1 ON SHEET A101

A101 3 INTERIOR ELEVATION SYMBOL:
INTERIOR ELEVATION 3 ON SHEETA101

NORTH ARROW

FF&E:



RESTROOM ACCESSORIES	
#	DESCRIPTION
	<varies>
1R	42" HORIZONTAL GRAB BAR
2R	36" HORIZONTAL GRAB BAR
3R	18" VERTICAL GRAB BAR
4R	DOUBLE TOILET TISSUE DISPENSER
5R	SOAP DISPENSER
6R	MIRROR - 24" X 36"
7R	PAPER TOWEL DISPENSER
8R	COAT HOOK
9R	WALL BUMPER

ABBREVIATIONS

AB	anchor bolt
AC	acre
ACC	access
ACI	American Concrete Institute
ACT	acoustical ceiling tile
ADD	addendum
AFF	above finished floor
ALT	alternate
ALUM	aluminum
APPROX	approximate
ARCH	architect (ural)
B&B	balled and burlapped
B/B	back to back
BC	base of curb
BD	board
BLDG	building
BLK	block
BLKG	blocking
BM	beam
B.M.	benchmark
BOT	bottom
BRG	bearing
BRK	brick
BSMT	basement
BT	bent
BUR	built-up roof
BW	bottom of wall
CAB	cabinet
CAL	caliper
CB	catch basin
C/C	center to center
CD	core deck
CF	cubic foot
CHAN	channel
CI	cast iron
CIP	cast iron pipe
CJ	construction or control joint
CLG	ceiling
CLO	closet
CLR	clear (ance)
CLS	closure
CMP	corrugated metal pipe
CMU	concrete masonry unit
CO	clean out
COL	column
CONC	concrete
CONN	connection
CONST	construction
CONT	continuous or continue
CONTR	contract or contractor
CNTR	center
CPT	carpet (ed)
CRS	course (s)
CS	countersink
CSMU	ca
CT	ceramic tile
CY	cubic yard
D	dryer
DBL	double
DEM	demolish or demolition
DET	detail
DH	double hung
DIA	diameter
DIAG	diagonal
DIM	dimension
DIP	ductile iron pipe
DL	dead load
DR	door
DS	downspout
DWG	drawing
DF	drinking fountain
t	
EA	each
EF	each face
EIFS	exterior insulation finish system
EJ	expansion joint
ELEV	elevation/elevator
ELEC	electric (al)
EMER	emergency
ENGR	engineer
EOP	edge of pavement
EOS	edge of slab
EPNT	epoxy paint
EQ	equal
EW	each way
EWC	electric water cooler
EXH	exhaust
EXIST	existing
EXP	expansion
EXT	exterior
FBO	furnished by others
FD	floor drain
FEC	fire extinguisher and cabinet
FFE	finished floor elevation
FFL	finished floorline
FHC	fire hose and cabinet
F/	face of
F/F	face to face
FIN	finish (ed)
FL	floor
FLG	flange
FND	foundation
F.O.	face of
FOB	face of brick
FOC	face of concrete
FOF	face of finish
FOM	face of masonry
FOS	face of stud
FL	floor
FR	frame (ed), (ing)
FRT	fire retardant treated
FT	foot/feet
FTG	footing
GL	glaze/glue
GA	gauge
GALV	galvanized
GB	grab bar
GI	galvanized iron
GA	gauge
GWB	gypsum wall board
GYP	gypsum
HC	hollow core
HDW	hardware
HK	hook
HM	hollow metal
HORIZ	horizontal
HP	high point/
'H'	pile beam
HT	height
HVAC	heating/ventilating/ air conditioning
HK	hook
HWH	hot water heater
ID	inside diameter
IE	invert elevation
IFS	inside face of stud
IJ	isolation joint
IN	inch/inches
INSUL	insulation
JAN	janitor's closet
JG	joist girder
JST	joist
JT	joint
K	thousand
KIP	1000 #
KIT	kitchen
KJ	key joint
KSI	1000 # per sq in
LAM	laminate (d)
LF	linear foot
L	length
LAB	laboratory
LAV	lavatory
LH	left hand
LL	live load
LLH	long leg horizontal
LLV	long leg vertical
LP	low point
LT.GA	light gage
LT	light
MAS	masonry
MATL	material
MAX	maximum
MB	markerboard
MC	misc. channel
MCJ	masonry control joint
MECH	mechanical
MEZZ	mezzanine
MANUF	manufacture (er)
MH	manhole
MIN	minimum
MIR	mirror
MO	masonry opening
MT	mounted (ed), (ing)
ter	
MTL	metal
MULL	mullion
NIC	not in contract
NO	number
NOM	nominal
NTD	noted
NTS	not to scale
OC	on center (s)
OD	outside diame
OFS	outside face of stud
OH	overhead
OPG	opening
OPH	opposite hand
OPP	opposite
PAR	parallel
P.C.	point of curvature
PL	property line, plate
PLAM	plastic laminate
PM	premolded
PNL	panel
PNT	paint (ed)
PSF	pounds per square foot
PSI	pounds per square inch
PT	point/pressure treated/ point of tangency
PV	pave (d), (ing)
PVC	polyvinyl chloride
PVMT	pavement
PWD	plywood
QT	quarry tile
R	riser
RA	return air
RAD	radius
RB	rubber base
RCP	reinforced concrete pipe
RD	roof drain
REBAR	reinforcement bar
REF	refrigerator/ reference
REINF	reinforce (d), (ing)
REQ'D	required
RET	retaining
REV	revision (s), revised
RFG	roofing
RH	right hand
RM	room
R.M.	reinforced masonry
RO	rough opening
ROW	right of way
RTU	roof top unit
RVS	reversed (side)
SC	solid core
SCH	schedule
SD	storm drain
SECT	section
SH	shelf, shelving
SIM	similar
SPEC	specification (s)
SQ	square
SS	sanitary sewer
SST	stainless steel
ST	split tee
STL	steel
STD	standard
STOR	storage
STRUCT	structural
SV	sheet vinyl/soffit vent
SY	square yard
STL	steel
T	tread
TB	tackboard
TELE	telephone
T&G	tongue and groove
THK	thick (ness)
TOS	top of slab
TS	tubular steel
T/FTG	top of footing
T/J	top of joist
T/S	top of steel
TW	top of wall
TYP	typical
TZ	terrazzo
UR	urinal
UNO	unless noted otherwise
VAR	varnish
VB	vinyl base
VCT	vinyl composition tile
VERT	vertical VIN vinyl
VJ	v-joint (ed)
VWC	vinyl wall covering
VIN	vinyl
W	washer/width/wide flange
WB	wood base
WC	water closet
WD	wood
WH	wall hung
WIN	window
WT	weight
WTW	wall to wall
WWF	welded wire fabric
W/	with
W/O	without

MOUNTING HEIGHT NOTES

01. TYPICAL HEIGHTS: MOUNTING HEIGHTS INDICATED HEREIN ARE TYPICAL MOUNTING HEIGHTS FOR DEVICE INDICATED. HOWEVER, MOUNTING HEIGHTS FOR PRODUCTS MAY VARY BY MANUFACTURER, AND THEREFORE THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT WHERE A DISCREPANCY EXISTS BETWEEN THE INDICATED MOUNTING HEIGHT AND THE MANUFACTURER RECOMMENDED MOUNTING HEIGHT, PRIOR TO INSTALLATION OF THE DEVICE

02. ADA DEVICES: ALL DEVICES AND FIXTURES NOTED AS "ADA" OR "ACCESSIBLE" SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND APPLICABLE CODE.

03. ELECTRICAL DEVICES: SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. WHERE CONFLICTS EXIST BETWEEN THESE MOUNTING HEIGHTS AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO ROUGH-IN.

04. MECHANICAL/PLUMBING DEVICES: SEE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF MECHANICAL AND PLUMBING DEVICES AND FIXTURES. WHERE CONFLICTS EXIST BETWEEN THESE MOUNTING HEIGHTS AND THE REQUIREMENTS OF THE MECHANICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO ROUGH-IN.

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

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4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

PREPARED FOR
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ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
DRAWING INDEX, ABBREVIATIONS, SYMBOLS & GENERAL INFORMATION

SHEET
T2.0

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ARCHITECTURE
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256.689.0238
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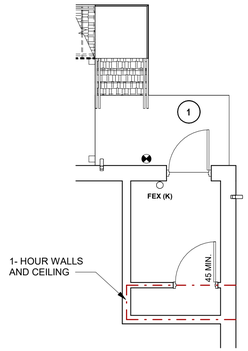
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BUILDING
PERSPECTIVES

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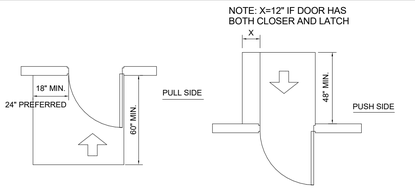
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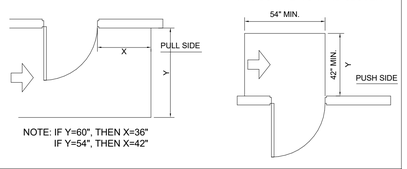


1- HOUR WALLS AND CEILING

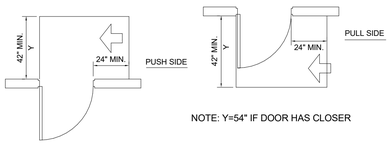
ADA DOOR CLEARANCE REQUIREMENTS



FRONT APPROACHES-SWINGING DOORS

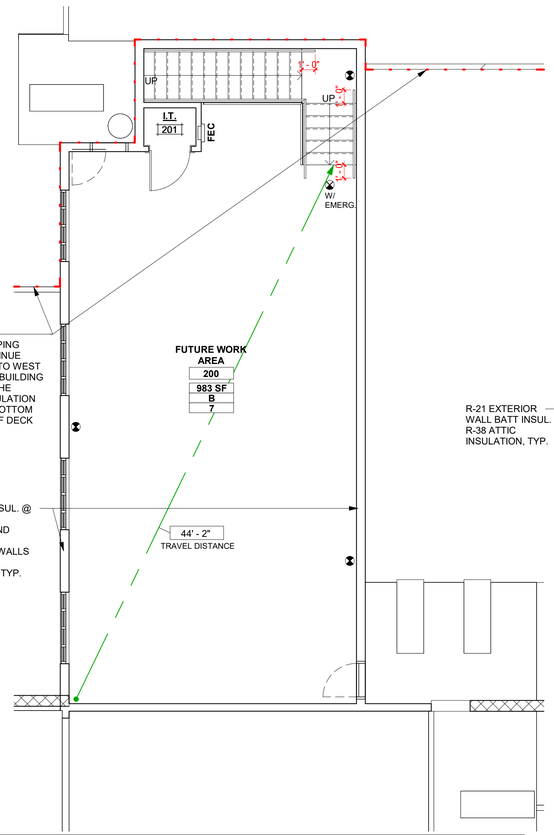


HINGE SIDE APPROACHES-SWINGING DOORS

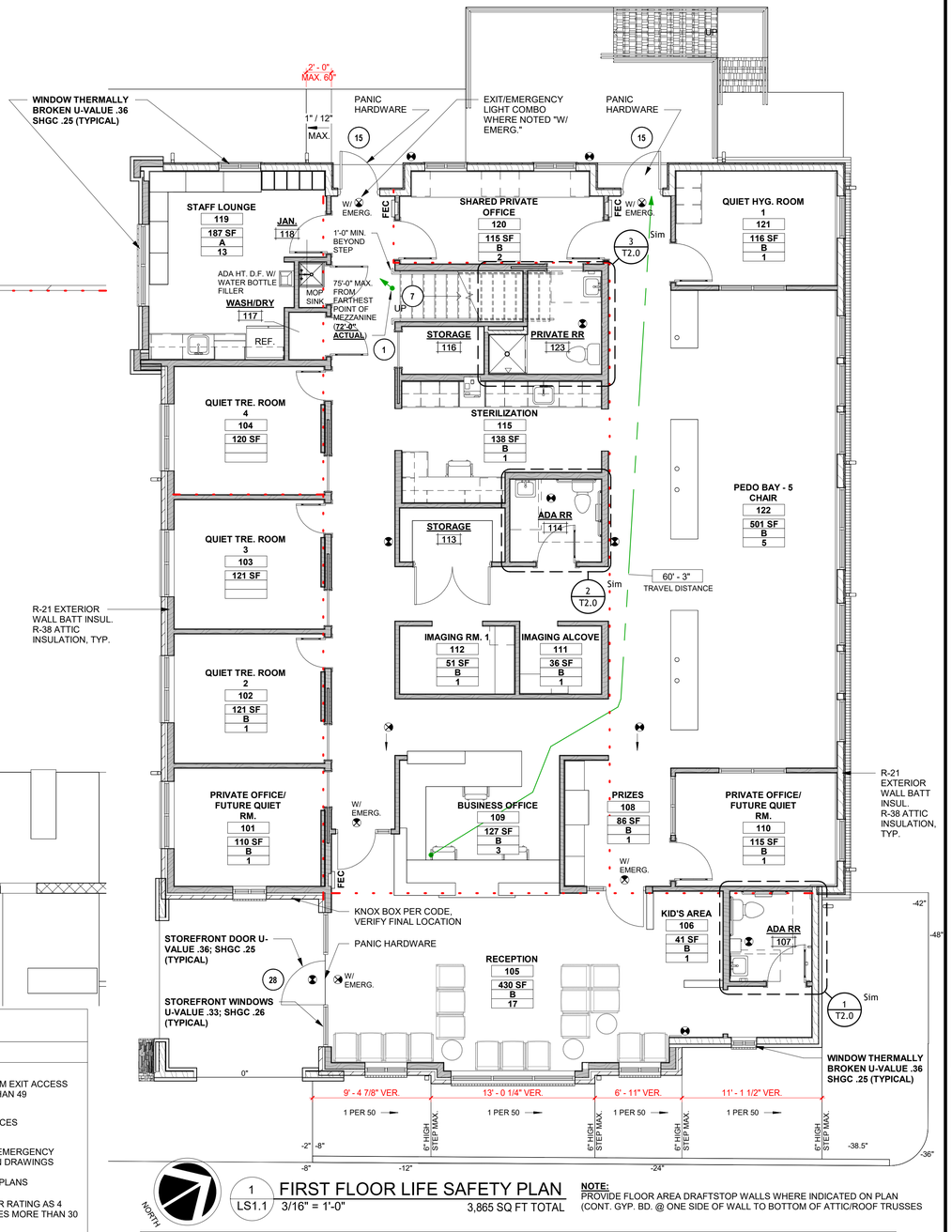


LATCH SIDE APPROACHES-SWINGING DOORS

0 / LS1.1 BASEMENT FLOOR LSP
3/16" = 1'-0" 90 SQ FT TOTAL



2 / LS1.1 MEZZANINE FLOOR LSP
3/16" = 1'-0" 980 SQ FT TOTAL



NORTH

1 / LS1.1 FIRST FLOOR LIFE SAFETY PLAN
3/16" = 1'-0" 3,865 SQ FT TOTAL

NOTE:
PROVIDE FLOOR AREA DRAFTSTOP WALLS WHERE INDICATED ON PLAN (CONT. GYP. BD. @ ONE SIDE OF WALL TO BOTTOM OF ATTIC/ROOF TRUSSES

USE & OCCUPANCY TYPE, SPECIAL REQUIREMENTS PER USE

PER IBC CODE	SUMMARY
304.1	BUILDING OCCUPANCY B - DENTAL OFFICE
303.1.2.2 EXCEPTION	FACILITY HAS A CONFERENCE ROOM THAT IS LESS THAN 750 SF, AND LESS THAN 50 OCCUPANTS. THEREFORE IS CONSIDERED ACCESSORY SPACE TO THE OCCUPANCY

BUILDING HEIGHT AND AREAS AND TYPE OF CONSTRUCTION

504.3 TABLE 504.4 TABLE 506.2 TABLE	BUILDING IS CLASSIFIED B, TYPE VB, ALLOWABLE: 40', TWO STORIES, 9000 SQ FT PER FLOOR **ACTUAL:** FIRST FLR. ENCLOSED: 3,672 SQ FT COVERED AREA: 193 SQ FT BASEMENT: 90 SQ FT MEZZANINE: 980 SQ FT 33.5' ; TWO STORY ; **4,935 SQ FT TOTAL**
508.2	THERE APPEAR TO BE NO INCIDENTAL ACCESSORY OCCUPANCIES
508.4 TABLE	NO SEPARATION APPEARS TO BE REQUIRED AS THIS IS A SINGLE OCCUPANCY B CLASSIFICATION
601 TABLE	TYPE VB DOES NOT REQUIRE RATING OF BUILDING ELEMENTS

FIRE PROTECTION REQUIREMENTS AND FEATURES

PER IBC CODE	SUMMARY
705.5 TABLE	THERE ARE NO STRUCTURES THAT APPEAR TO BE WITHIN 30' OF THE NEW FACILITY
718.2	FIREBLOCKING IS REQUIRED AND TO VERIFIED AND INSTALLED IN CONCEALED SPACES PER THIS SECTION
718.3	DRAFTSTOP SO THAT NO FLOOR SPACE TO BE MORE THAN 1,000 SQ FT MEASURED HORIZONTALLY, SEE FIRST FLOOR LSP (SHALL CONTINUE TO BOTTOM OF ROOF TRUSSES)
718.4	DRAFTSTOP SO THAT NO ATTIC SPACE TO BE MORE THAN 3,000 SQ FT MEASURED HORIZONTALLY, SEE MEZZANINE LSP (SHALL CONTINUE TO BOTTOM OF ROOF DECK)

INTERIOR FINISH REQUIREMENTS

PER IBC CODE	SUMMARY
803.13 TABLE	**FINISHES AS REQUIRED:** INTERIOR EXIT STAIRWAYS- CLASS A; CORRIDORS-CLASS B; ROOMS-CLASS C

FIRE PROTECTION SYSTEMS AND REQUIREMENTS

PER IBC CODE	SUMMARY
903.1	NONE OF THE CONDITIONS APPEAR TO EXIST AND THEREFORE NOT REQUIRED TO BE SPRINKLED
906.1 (F.E.)	PROVIDE FIRE EXTINGUISHERS AS INDICATED ON PLANS AND PER FIRE MARSHAL REQUIREMENTS. INSTALLED AT A MAXIMUM OF 48" ABOVE THE FINISHED FLOOR TO THE TOP OF THE HANDLE. PROVIDE MOUNT BRACKET AND REQUIRED WALL LABELS AND MARKINGS
907.2 907.2.2	MANUAL FIRE ALARM SYSTEM PER NFPA 72 IS NOT REQUIRED SINCE OCCUPANT LOAD IS LESS THAN 500. NO MANUAL FIRE ALARM BOXES REQUIRED

MEANS OF EGRESS AND ACCESSIBILITY

PER IBC CODE	SUMMARY
1004.5 TABLE	OFFICE GROUP B: 4,405 GROSS SQ FT / 150 GROSS = 30 ACTUAL: **59 OCCUPANTS** (SEE LIFE SAFETY PLAN)
1004.5 1004.8	CONFERENCE ROOM OCCUPANT LOAD IS CALCULATED AT ONE PERSON PER 15 SF, LOBBY CALCULATED PER NUMBER OF CHAIRS
1005.3.2	MINIMUM EGRESS WIDTH REQUIREMENT CALCULATIONS: EGRESS COMPONENTS OCCUPANCY LOAD 59 = 67 X .2 = 13.4" MIN (4 EXITS PROVIDED)
1005.7.1	DOORS WHEN IN ANY OPEN POSITION MAY NOT REDUCE THE REQUIRED MEANS OF EGRESS BY MORE THAN 7"
1006.2.1 TABLE	COMMON PATH OF EGRESS SHALL NOT EXCEED MORE THAN 100' FOR 30 OR LESS PEOPLE AND 75' FOR GREATER THAN 30

MEANS OF EGRESS AND ACCESSIBILITY

PER IBC CODE	SUMMARY
1006.3.4(2) TABLE	STORIES WITH ONE EXIT SHALL HAVE A MAXIMUM EXIT ACCESS TRAVEL DISTANCE OF 75', WITH NO GREATER THAN 49 OCCUPANTS PER STORY
1009.1	ALL MEANS OF EGRESS FROM ACCESSIBLE SPACES SHALL BE ACCESSIBLE
1013.1, 1013.3 1013.6.3	PROVIDE INTERNALLY ILLUMINATED EXIT SIGN, EMERGENCY LIGHT WITH BATTERY BACKUP AS INDICATED ON DRAWINGS
1017.2 TABLE	200' MAX EXIT ACCESS TRAVEL DISTANCE, REF. PLANS
1020.2 TABLE	CORRIDORS APPEAR NOT TO REQUIRE A 1 HOUR RATING AS 4 EXITS ARE PROVIDED AND NO CORRIDOR SERVES MORE THAN 30 OCCUPANTS
1020.3 TABLE	CORRIDORS TO BE MIN 44", REF PLANS
1020.5	NO DEAD END CORRIDORS IN PLANS APPEAR TO BE MORE THAN 20'
2902.1 TABLE	PLUMBING FIXTURES REQUIREMENTS FOR GROUP B: WATER CLOSET - 1 PER 25 FOR THE FIRST 50, 1 PER 50 REMAINING LAVS - 1 PER 40 FOR THE FIRST 80, 1 PER 80 FOR THE REMAINING OCCUPANT LOAD 59 / 2 = 30 MALES + 30 FEMALES

REQUIRED:	PROVIDED:
1.2 WATER CLOSETS EA SEX	3 UNISEX WATER CLOSETS,
1 LAV EA SEX	3 UNISEX LAV
1 DRINKING FOUNTAIN	1 D. FOUNTAIN W/ BOTTLE FILLER
1 SERVICE SINK	1 SERVICE SINK

NOTE: A FULL CODE REVIEW WAS CONDUCTED AND THIS IS ONLY A SUMMARY OF CODE REQUIREMENTS. IF A SPECIFIC CODE REFERENCE WAS NOT INDICATED IT DOES NOT ELEVATE THE OWNER AND CONTRACTOR FROM FULLY COMPLYING WITH ALL LOCAL AND STATE BUILDING CODE REQUIREMENTS AND LAWS.

SYMBOLS LEGEND

100'	PATH OF EGRESS / EXIT DISTANCE	FEX	FIRE EXTINGUISHER - WALL MOUNTED
100	OCCUPANT LOAD AT EXIT	EXS FEX	EXISTING FIRE EXTINGUISHER - WALL MOUNTED
69"	EGRESS WIDTH AT EXIT	FEX (K)	FIRE EXTINGUISHER WALL MOUNTED - TYPE K
	EXIT SIGN (LIGHTED FACE SHADED)	FEC (K)	FIRE EXTINGUISHER CABINET - TYPE K
EXS FEC	EXISTING FIRE EXTINGUISHER CABINET	ROOM NAME 101 150 SF A 20	ROOM NAME AND NUMBER SQUARE FOOTAGE TYPE AND OCCUPANCY
FEC	FIRE EXTINGUISHER CABINET (FULLY RECESSED, TYP. UNLESS OTHERWISE NOTED)		EMERGENCY LIGHTING
			DRAFT STOP WALL
			ONE HOUR RATED FIRE BARRIER
			TWO HOUR RATED FIRE BARRIER UL DESIGN NO 419 AT TWO HOUR STUD WALL LOCATIONS. SEE UL DESIGN NO U306 FOR 2 HOUR RATING AT CMU WALL LOCATIONS
			AREA INDICATED BY HATCH HAS ONE HOUR RATED CEILING

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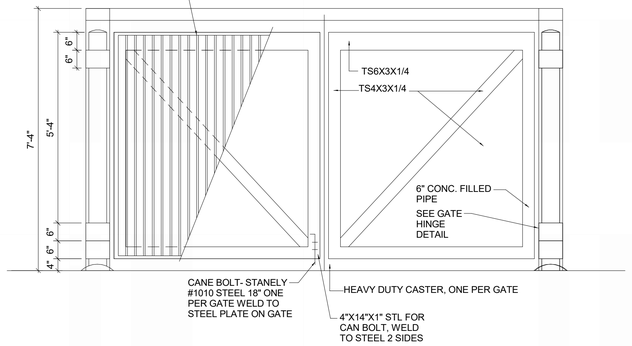
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SHEET
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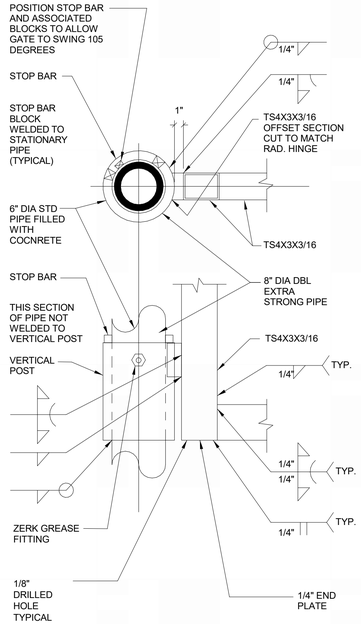
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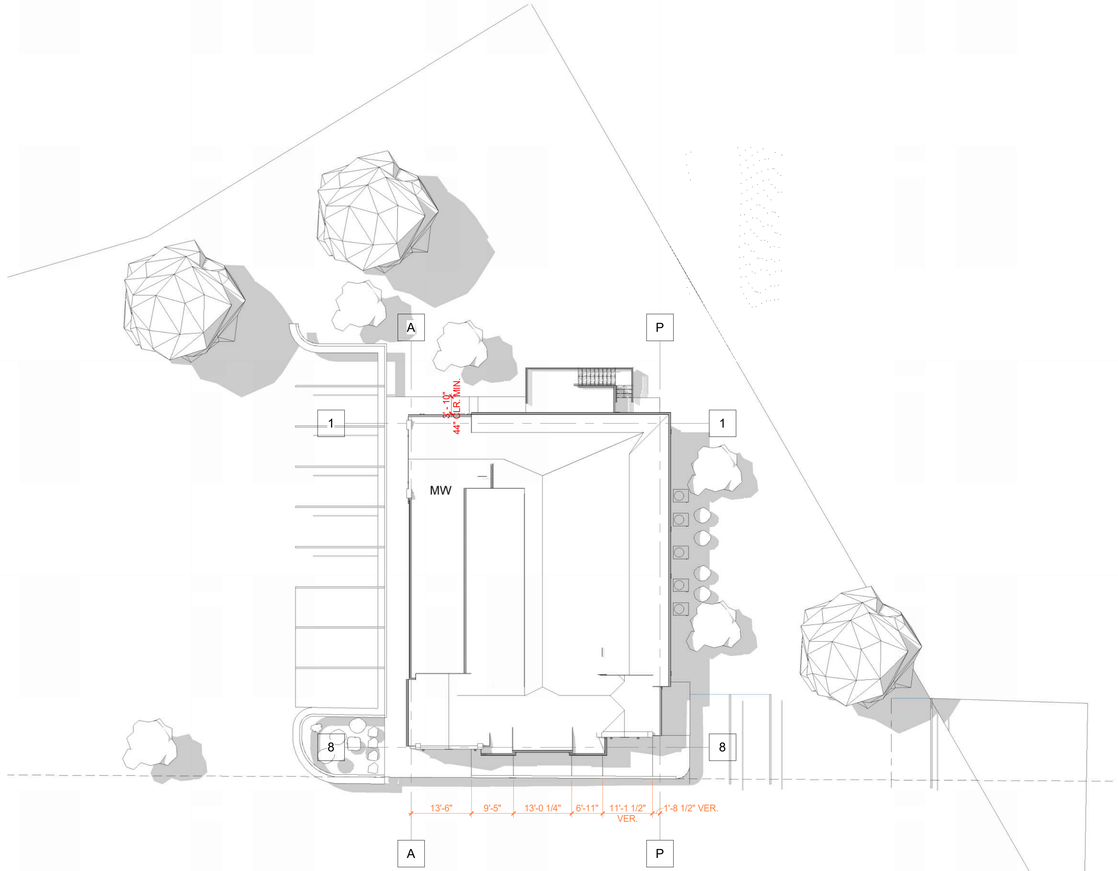
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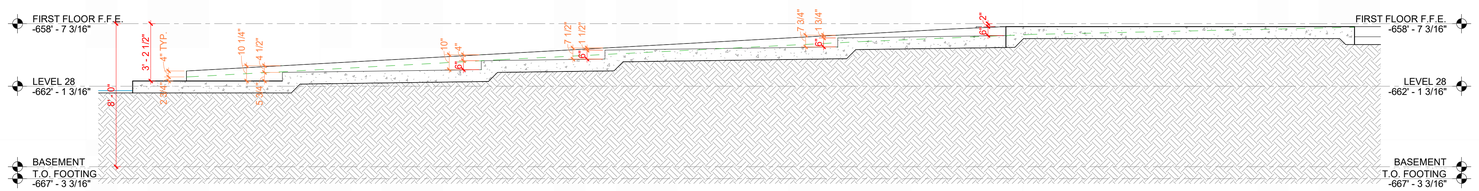
A / A1.1 DUMSPTER GATE DETAILS
1/2" = 1'-0"





1 / A1.1 ARCHITECTURAL SITE PLAN
1/16" = 1'-0"

NOTE:
SEE CIVIL DRAWINGS FOR SITE INFORMATION



B / A1.1 SECTION THRU FRONT STEPS
1/4" = 1'-0"

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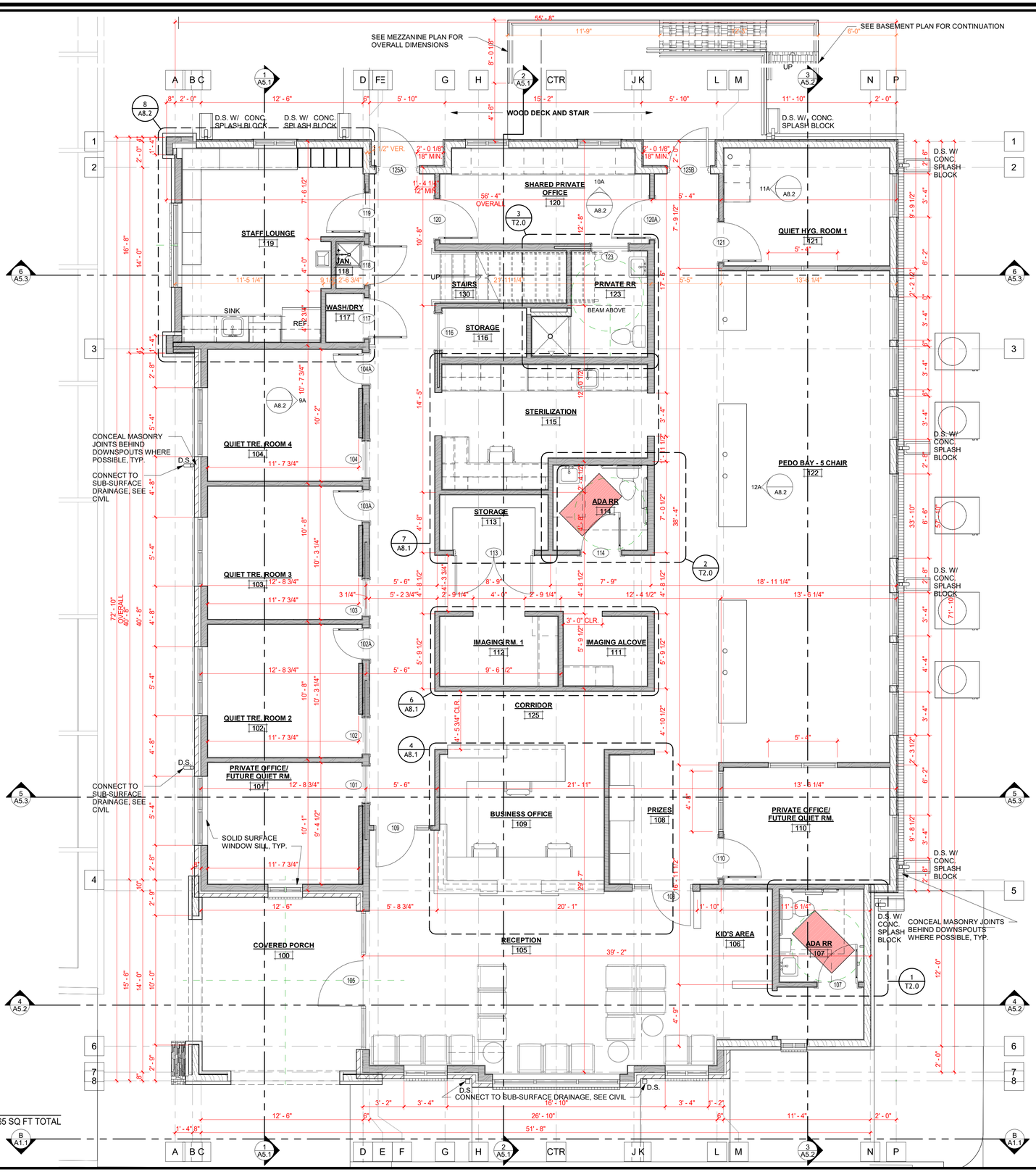
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SHEET
A1.1

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1 A2.1 FIRST FLOOR PLAN
1/4" = 1'-0" 3,865 SQ FT TOTAL

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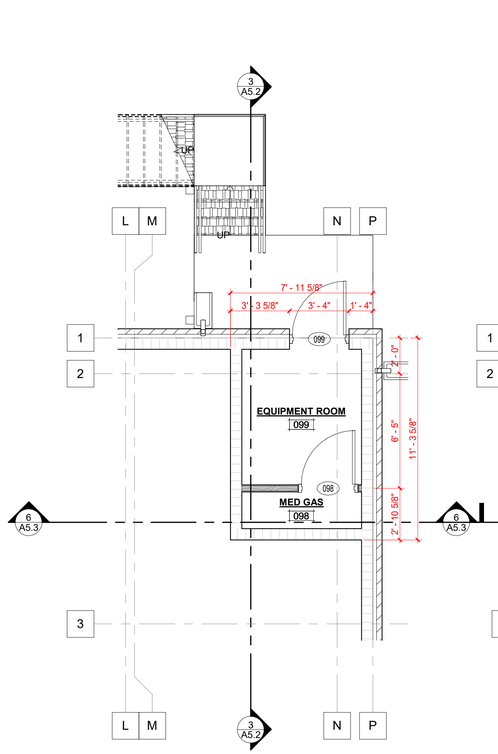
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SHEET A2.1

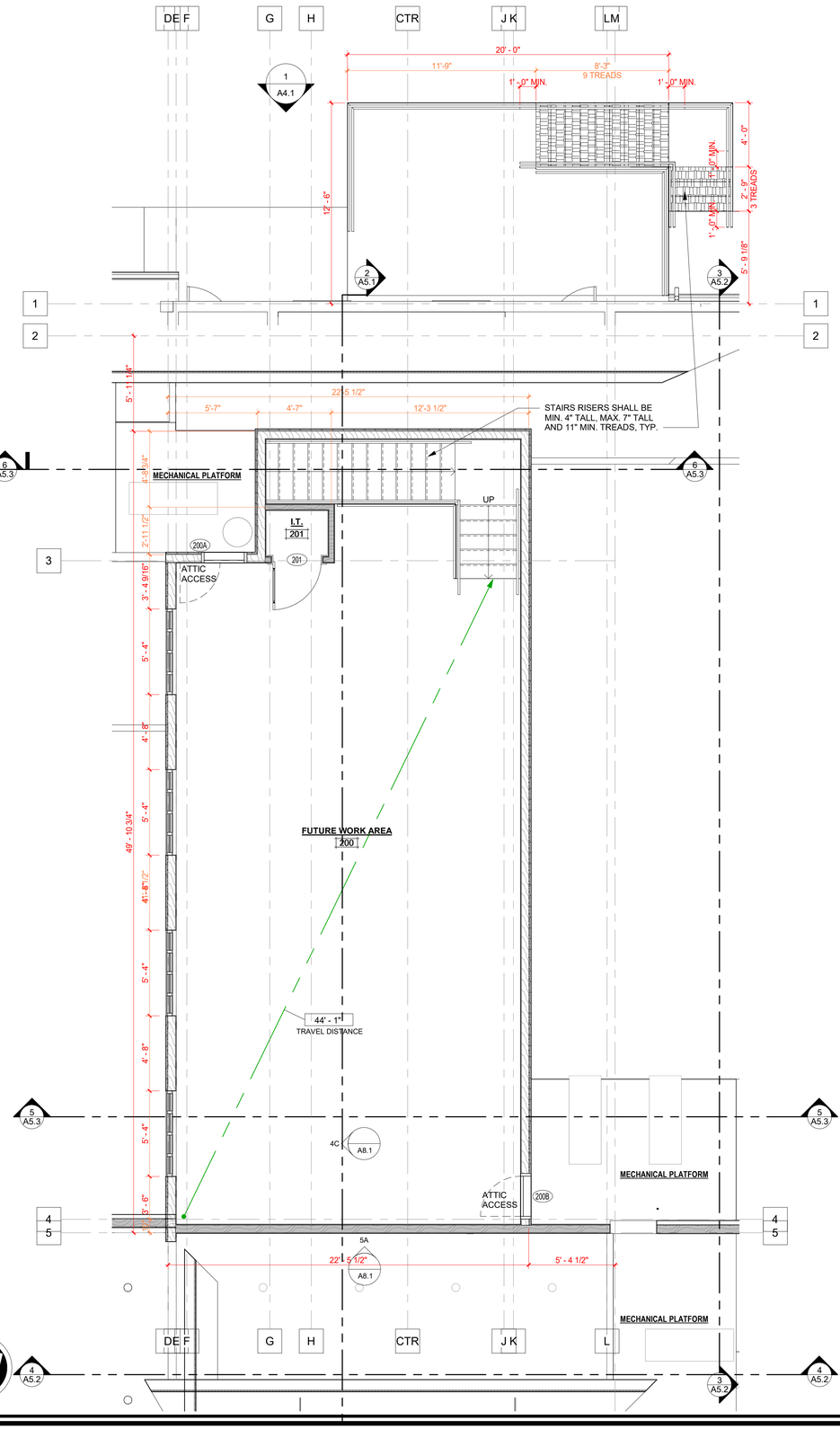
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0 A2.2 BASEMENT FLOOR PLAN
1/4" = 1'-0" 90 SQ FT TOTAL



2 A2.2 MEZZANINE FLOOR PLAN
1/4" = 1'-0" 978 SQ FT TOTAL

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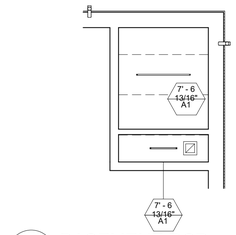
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SHEET
A2.2

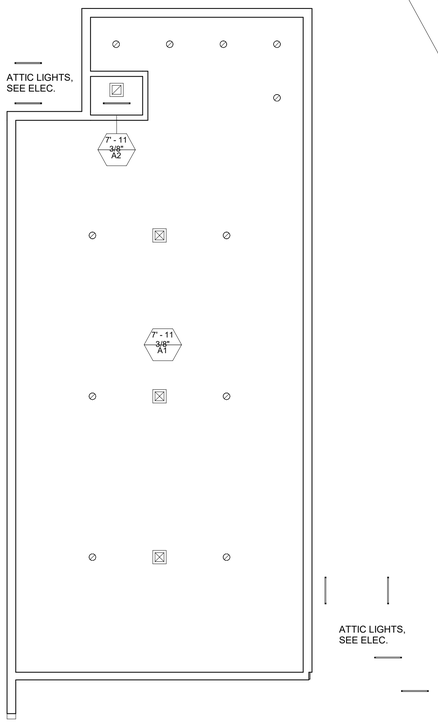
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0 A2.3 BASEMENT RCP
3/16" = 1'-0"



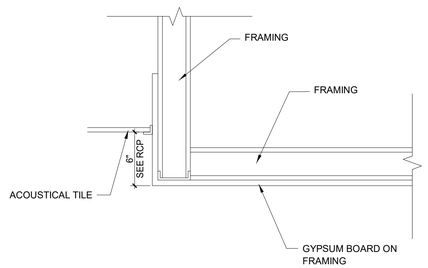
2 A2.3 MEZZANINE REFLECTED CEILING PLAN
3/16" = 1'-0"

SOFFITS:
SMOOTH, PERFORATED FIBER CEMENT SOFFIT THROUGHOUT, EXCEPT AT GABLE ENDS (NO PERFORATION)
ENSURE THAT ALL INSIDE EDGES OF PERFORATIONS ARE PAINTED TO MATCH THE SOFFIT COLOR.



1 A2.3 FIRST FLOOR REFLECTED CEILING PLAN
3/16" = 1'-0"

SOFFITS:
SMOOTH, PERFORATED FIBER CEMENT SOFFIT THROUGHOUT, EXCEPT AT GABLE ENDS (NO PERFORATION)
ENSURE THAT ALL INSIDE EDGES OF PERFORATIONS ARE PAINTED TO MATCH THE SOFFIT COLOR.



A A2.3 CEILING FURR DOWN DETAIL
1 1/2" = 1'-0"

RCP SYMBOLS LEGEND

- 2 X 4 FIXTURE
- 1 X 4 FIXTURE
- PENDANT FIXTURE
- RECESSED CAN LIGHT
- FLUORESCENT STRIP
- WALL MOUNTED LUMINAIRE
- EXIT SIGN
- EMERGENCY EGRESS LIGHT
- MECHANICAL RETURN
- MECHANICAL SUPPLY
- MECHANICAL EXHAUST
- MECHANICAL AC UNIT

SEE MECHANICAL & ELECTRICAL DRAWINGS FOR HVAC, LIGHTING AND OTHER ELECTRICAL DEVICES

9'-4" / B2 — HEIGHT ABOVE FINISH FLOOR / CEILING TYPE

ONE HOUR RATED FIRE BARRIER

GENERAL NOTES

1. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR FINAL CEILING DEVICES (I.E. LIGHT FIXTURES, HVAC GRILLS ,ETC). COORDINATE LOCATIONS WITH ARCHITECT.
2. ALL ELECTRICAL ITEMS AND LOCATIONS TO BE COORDINATED WITH ELECTRICAL DRAWINGS.
3. DIMENSIONS INDICATED ARE NOMINAL AT MASONRY OPENINGS - SEE WALL SECTIONS.
4. HEIGHTS INDICATED ARE RELATIVE TO FLOOR LEVEL WHERE CEILING TAG IS LOCATED UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO PROVIDE ALL ACCESS PANELS IN REQUIRED GYPSUM BOARD CEILINGS TO COORDINATE WITH MEP. PAINT SAME COLOR AS CEILING. COORDINATE LOCATIONS AROUND LIGHTING AND MECHANICAL FIXTURES AND INDICATE ON SHOP/COORDINATION DWGS SUBMITTED TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.
6. UNLESS NOTED OTHERWISE, ALL UTILITIES (CONDUIT, WIRING, ETC.), STRUCTURE, & DUCTWORK SHALL BE PAINTED TO MATCH THE ADJACENT PAINTED SURFACE.
7. ALL SPRINKLER HEADS SHALL BE CENTERED VERTICALLY AND HORIZONTALLY IN ACT TILES, TYPICAL.
8. SEE FINISH LEGEND FOR MORE INFORMATION.

MATERIALS LEGEND

A1	GYPSUM CEILING BOARD, PAINTED	
A2	EXTERIOR GYPSUM CLG. BD., PAINTED	
B1	2X2 ACOUSTICAL CLG. VINYL-FACED	
B2	2X2 ACOUSTICAL CLG.	
C1	EIFS	

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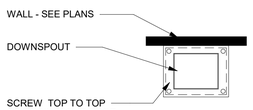
SHEET
A2.3

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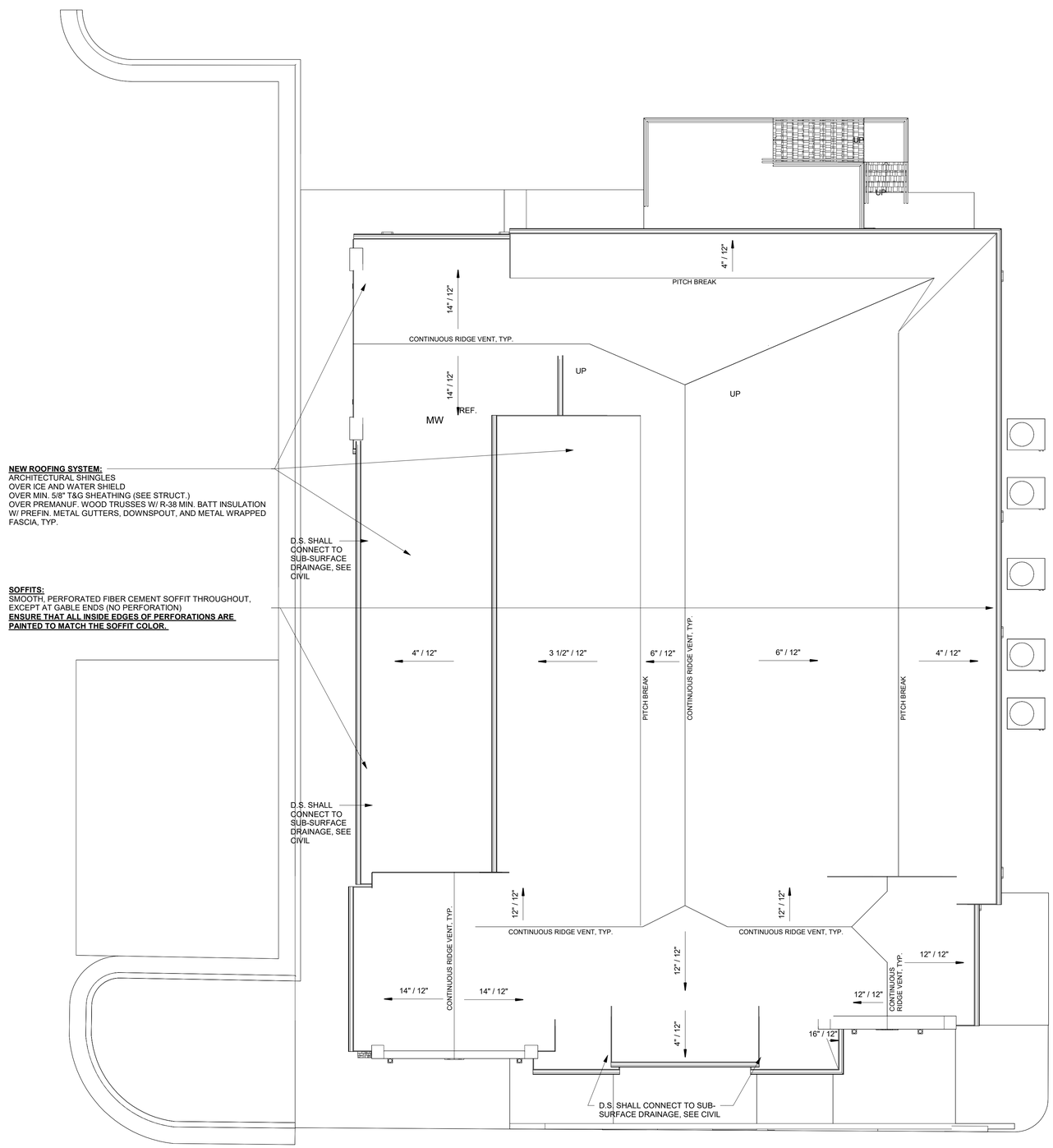
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A A3.1 DOWNSPOUT BOOT SIDE VIEW
1" = 1'-0"



B A3.1 DOWNSPOUT BOOT PLAN
1 1/2" = 1'-0"



3 A3.1 ROOF PLAN
3/16" = 1'-0"

NOTE:
SEE FLOOR PLANS AND EXTERIOR ELEVATIONS FOR DOWNSPOUT LOCATIONS

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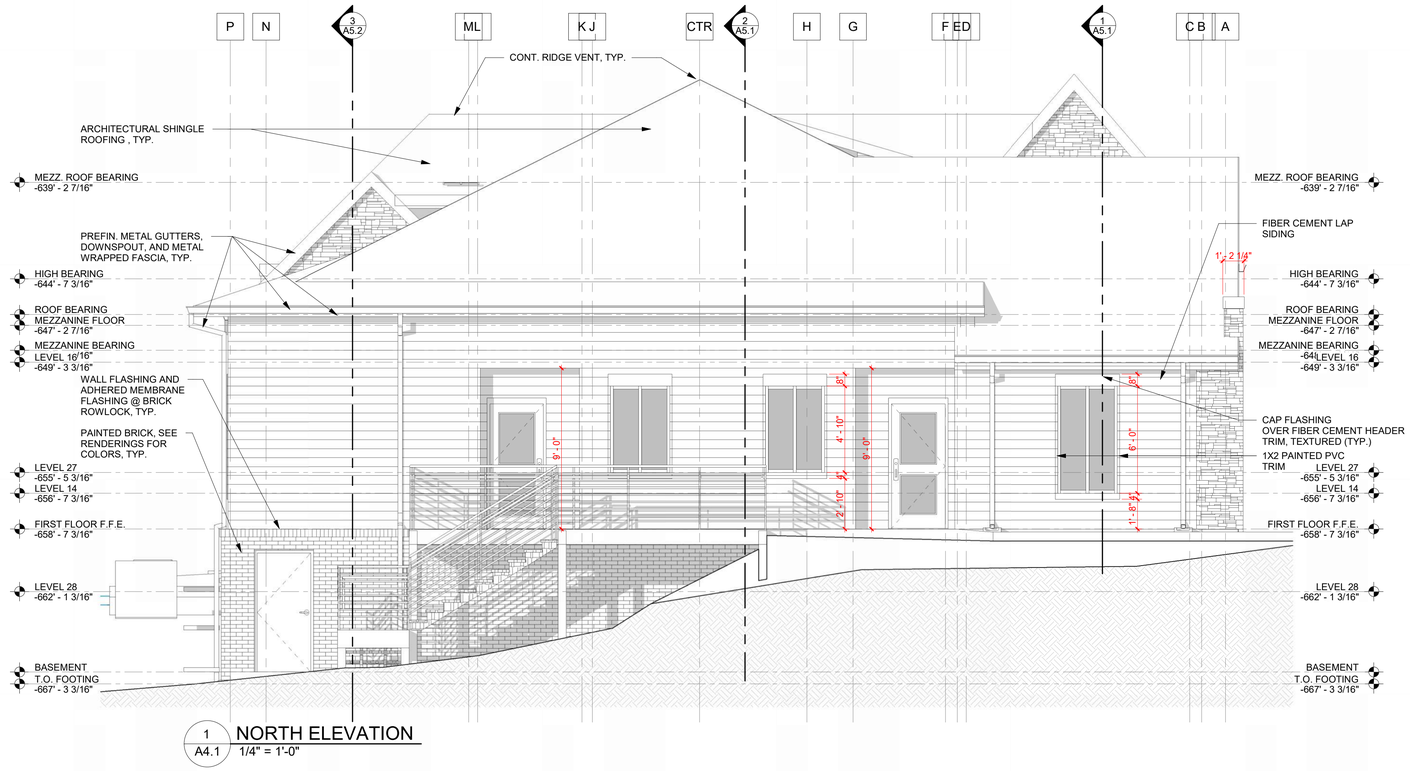
DESCRIPTION:
ROOF PLAN

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A3.1

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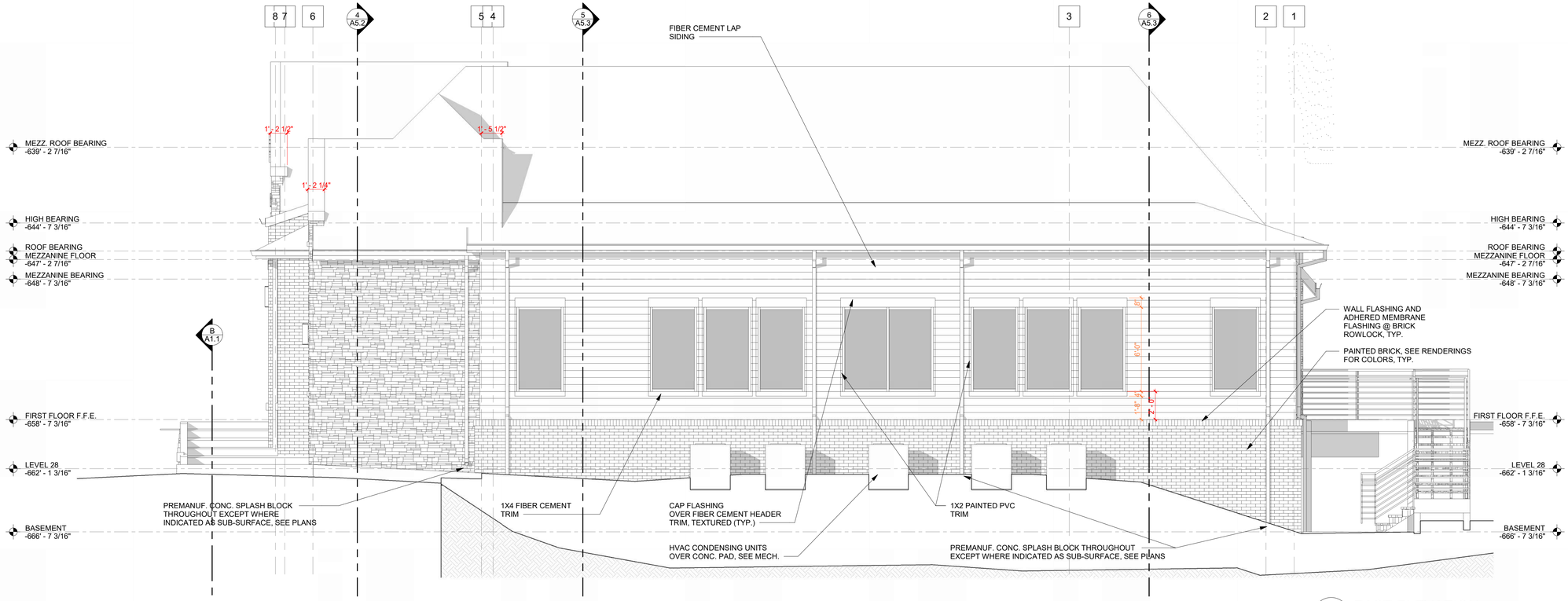
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SHEET
A4.1

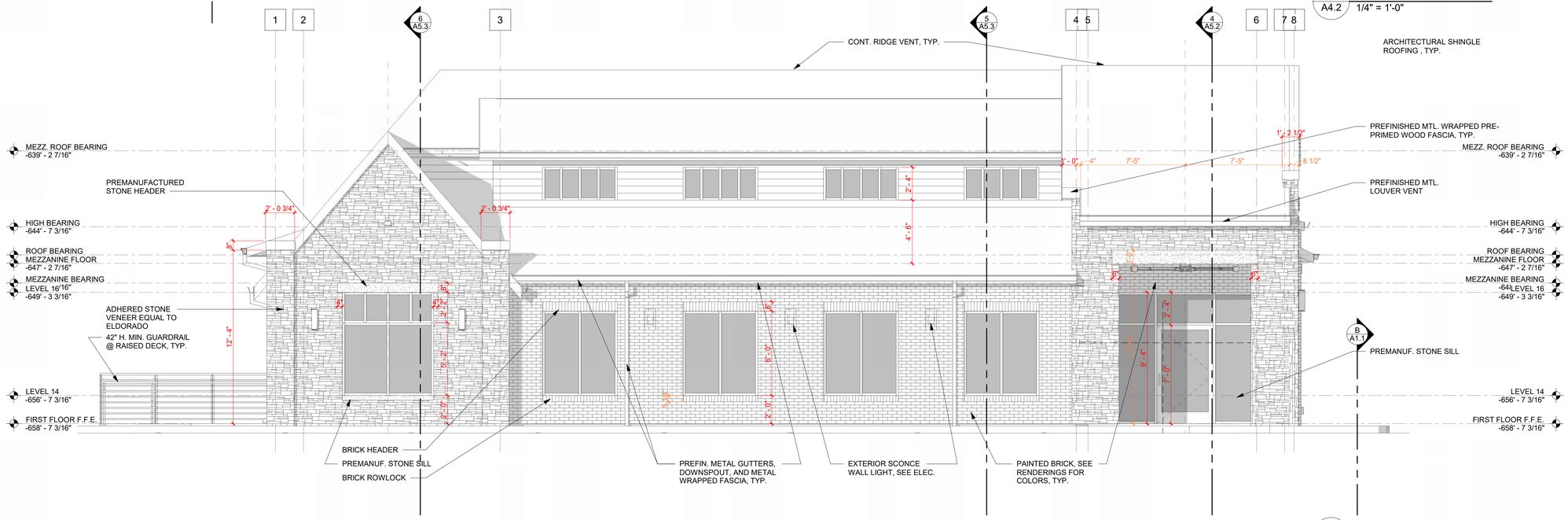
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3 A4.2 EAST ELEVATION
1/4" = 1'-0"



4 A4.2 WEST ELEVATION
1/4" = 1'-0"

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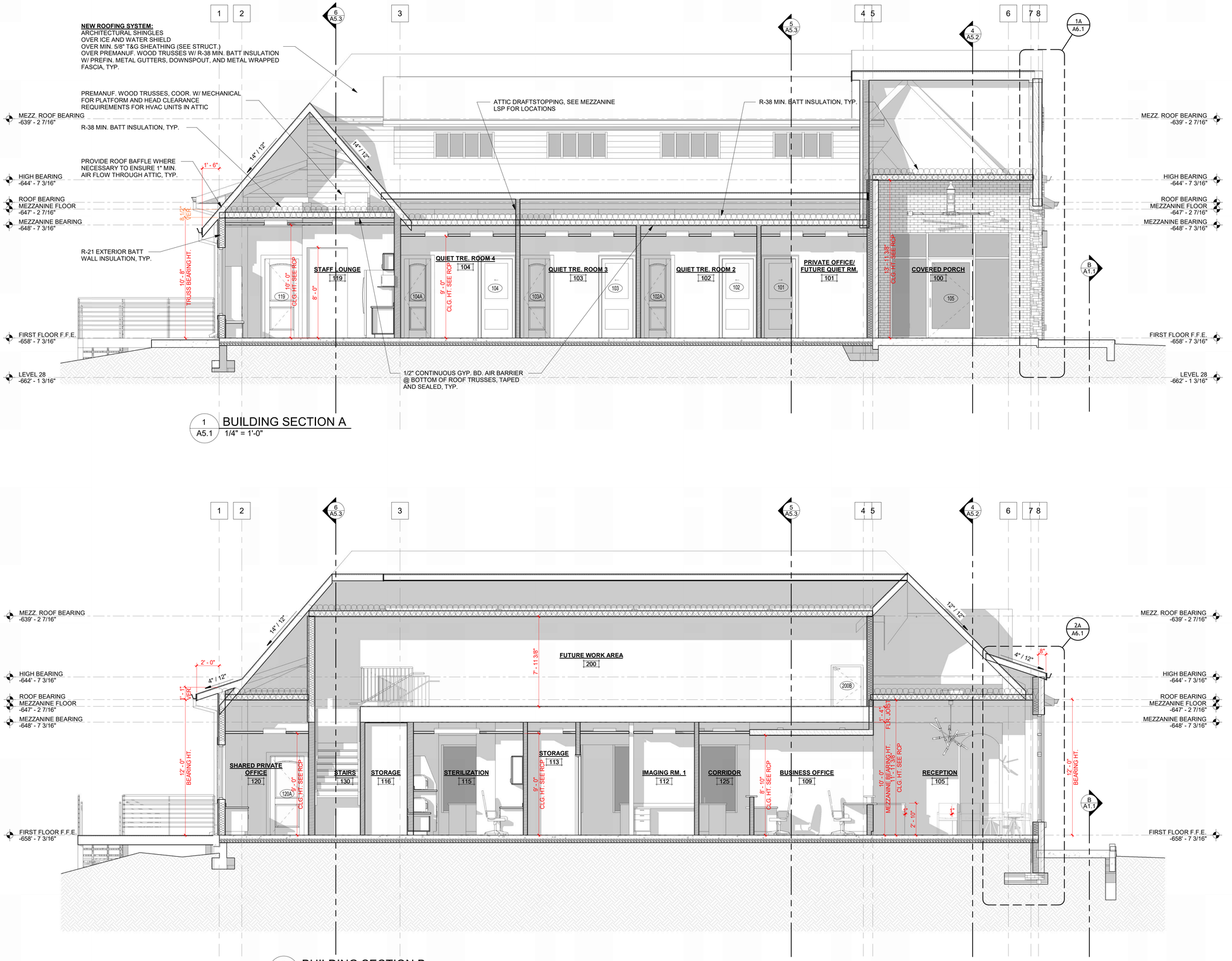
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EXTERIOR ELEVATIONS

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A4.2

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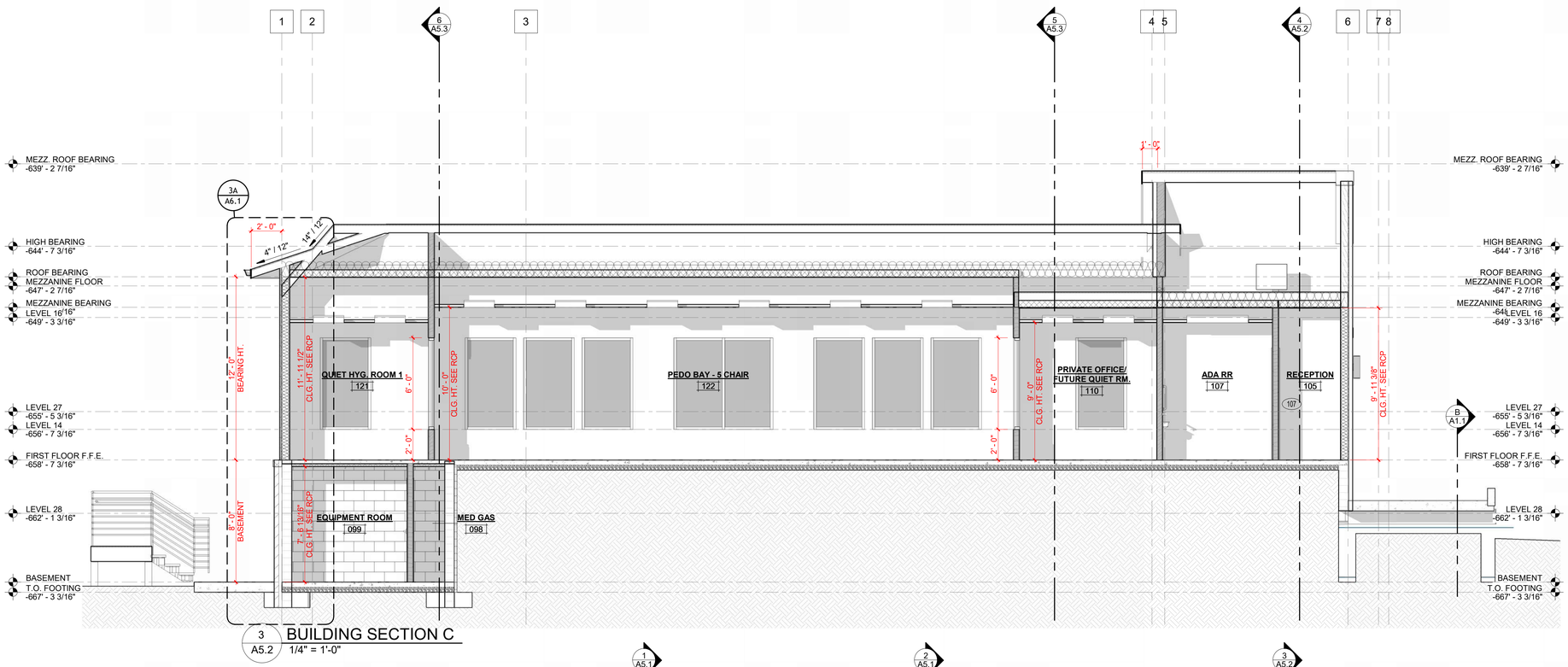
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BUILDING
SECTIONS

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A5.1

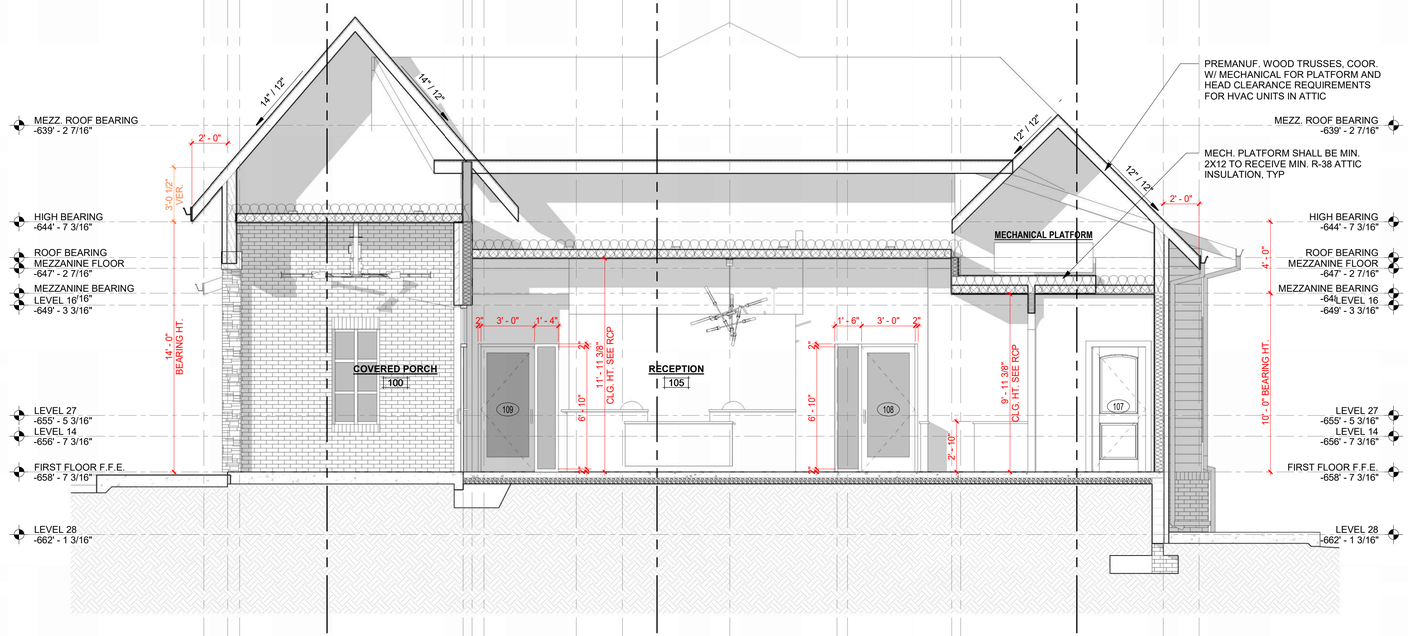
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3 A5.2 BUILDING SECTION C
1/4" = 1'-0"



4 A5.2 BUILDING SECTION D
1/4" = 1'-0"

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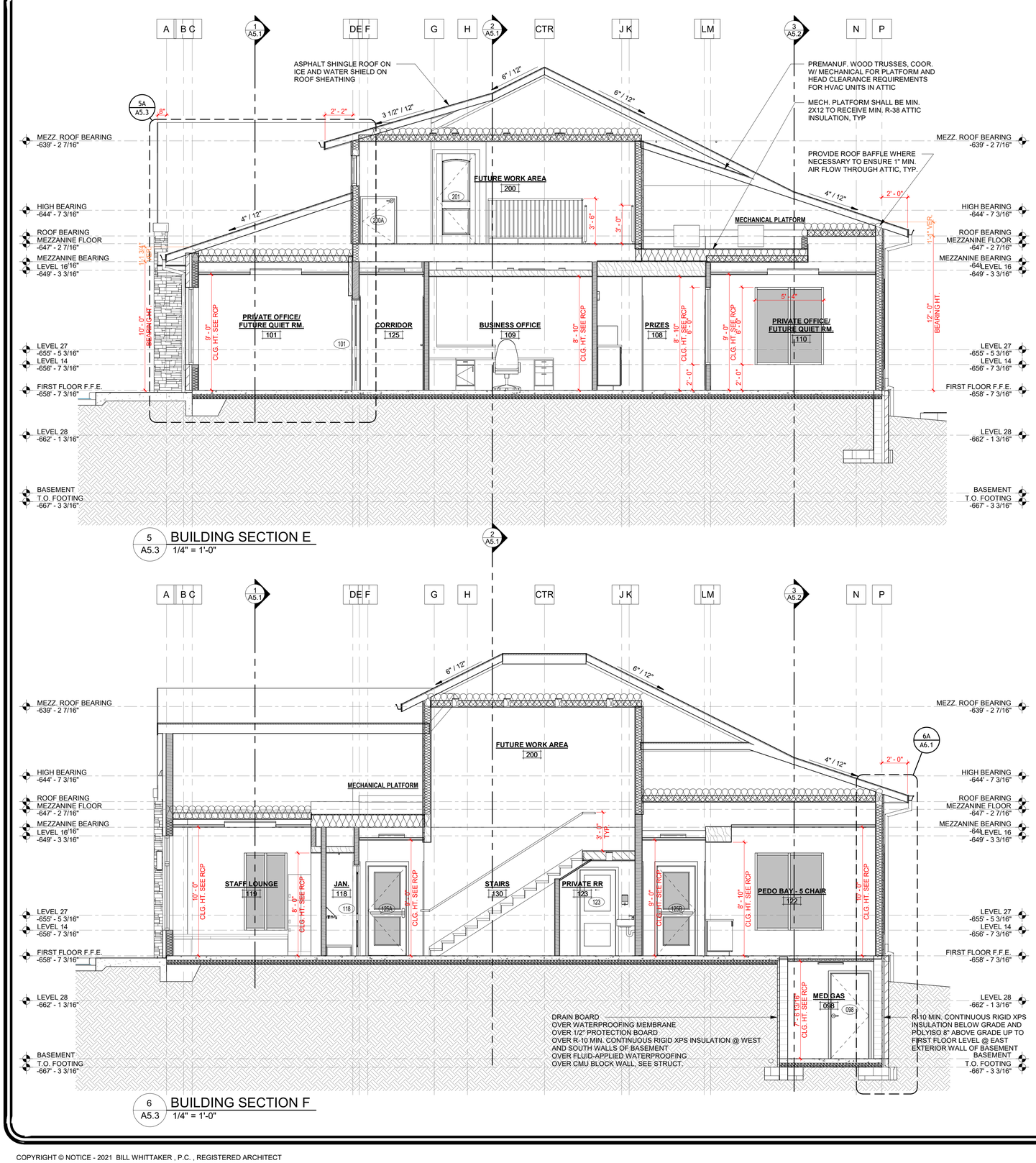
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SHEET
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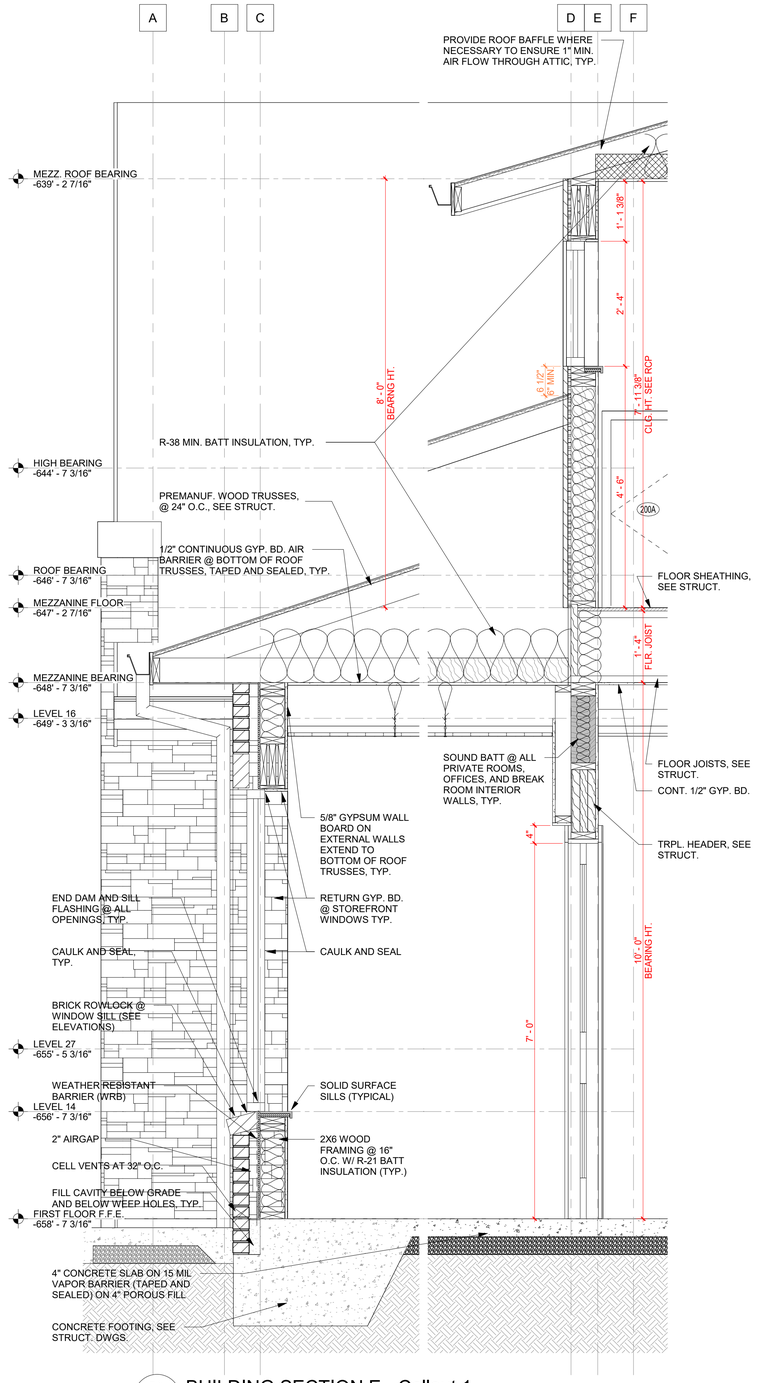
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5 A5.3 BUILDING SECTION E
1/4" = 1'-0"

6 A5.3 BUILDING SECTION F
1/4" = 1'-0"



5A A5.3 BUILDING SECTION E - Callout 1
3/4" = 1'-0"

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4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

PREPARED FOR RFI BUILDERS

ISSUE:
04.06.26 PERMIT

JOB NO.
25055

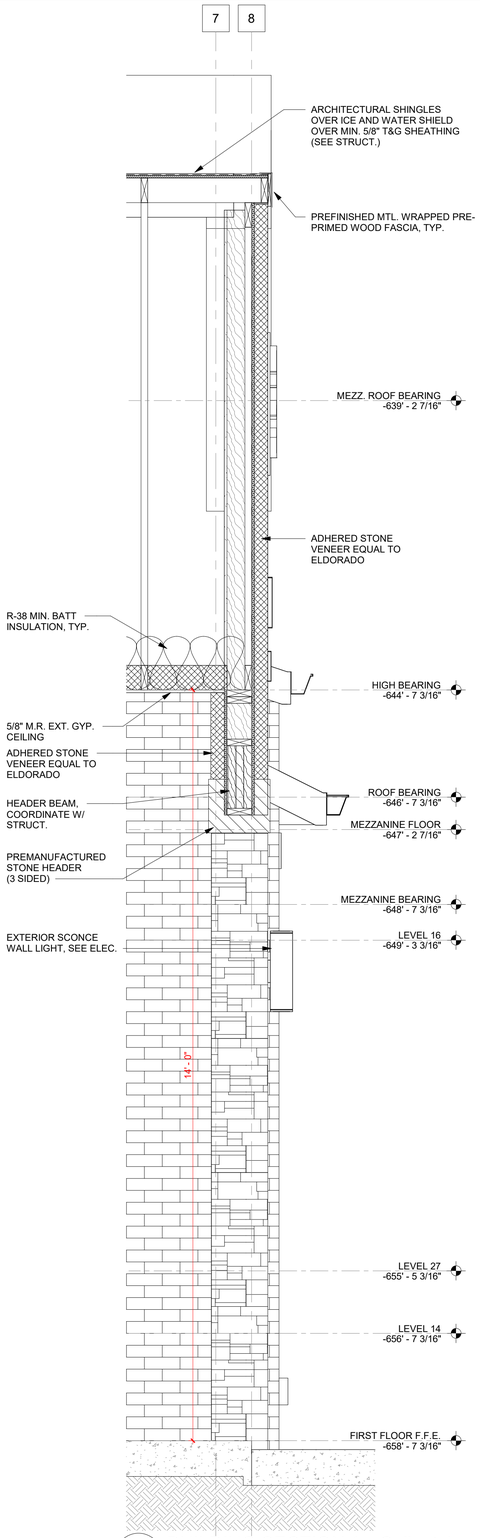
DESCRIPTION:
BUILDING SECTIONS

SHEET
A5.3

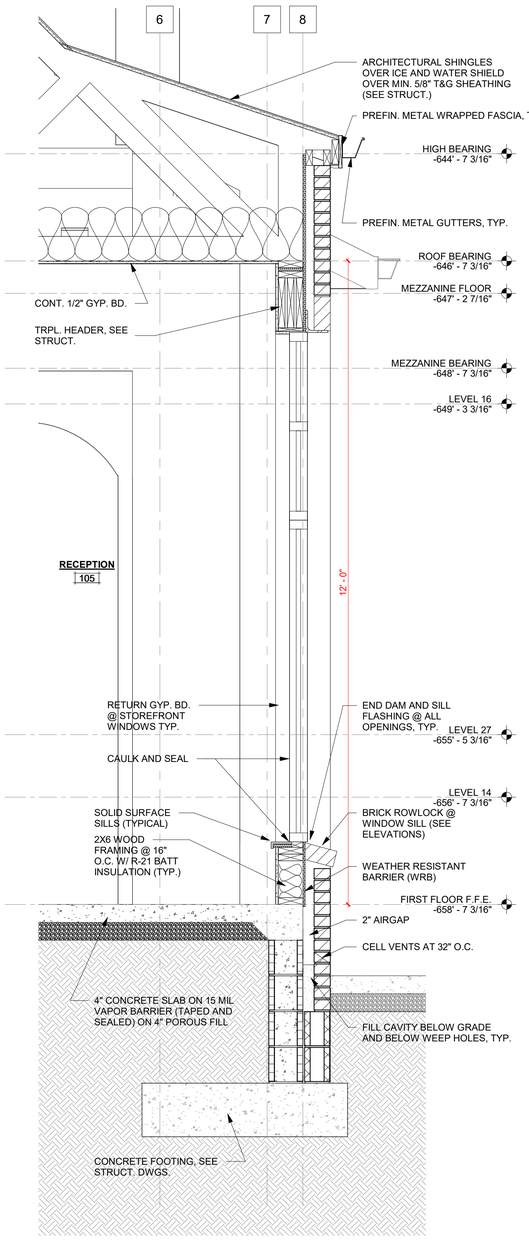
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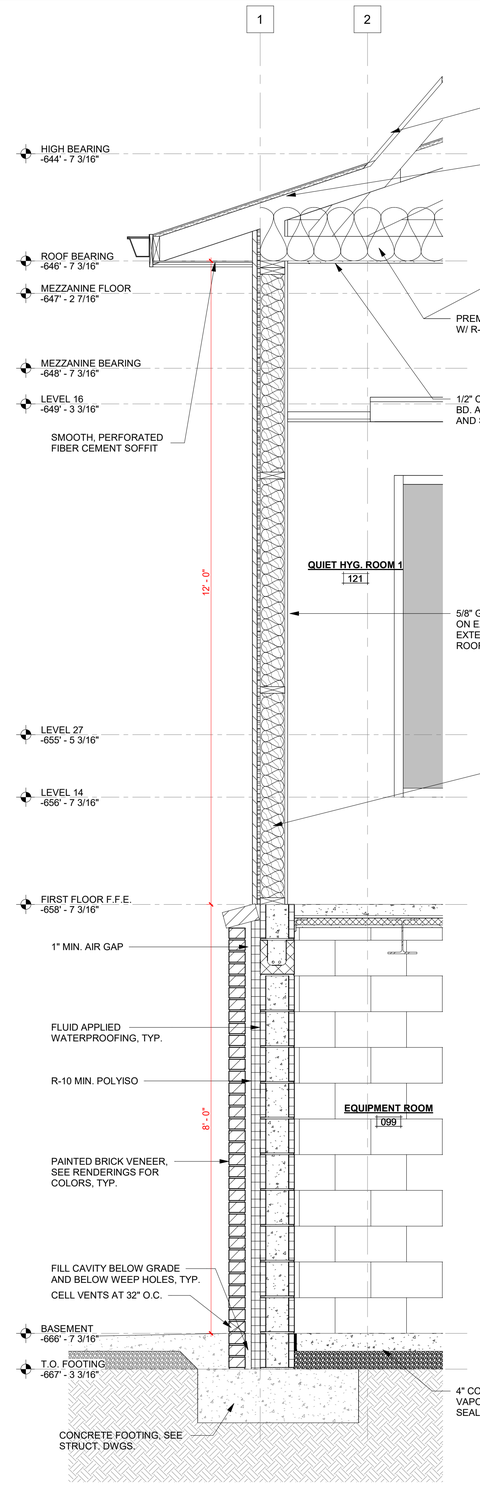
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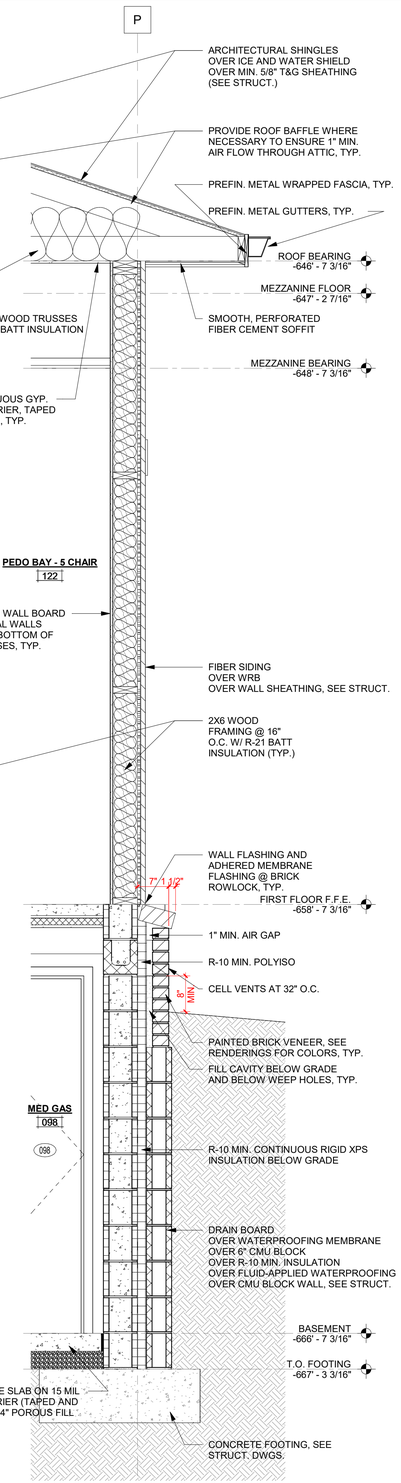
1A A6.1 BUILDING SECTION A - Callout 1
3/4" = 1'-0"



2A A6.1 BUILDING SECTION B - Callout 1
3/4" = 1'-0"



3A A6.1 BUILDING SECTION C - Callout 1
3/4" = 1'-0"



6A A6.1 BUILDING SECTION F - Callout 1
3/4" = 1'-0"

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DESCRIPTION:
WALL SECTIONS

SHEET
A6.1

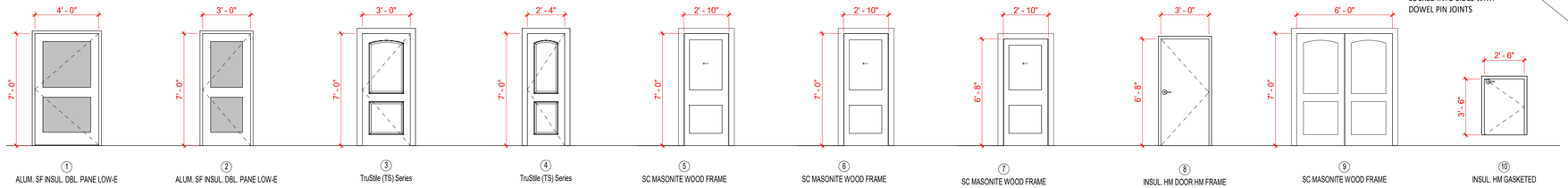
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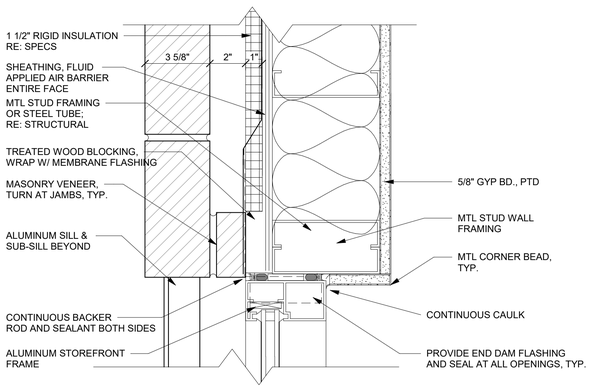
DOOR SCHEDULE

DOOR	HDW. SET #	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR GLASS	FRAME MAT.	FRAME TYPE	FRAME HEAD	FRAME JAMB	FRAME SILL	FIRE LABEL	SIGNAGE	COMMENTS
098		8	3' - 0"	6' - 8"	1 3/4"	HM		HM					45 MIN.		
099		8	3' - 0"	6' - 8"	1 3/4"	INSUL. HM		HM							
101		5	2' - 10"	7' - 0"	1 3/8"	SC MASONITE		WD							POCKET DOOR
102		5	2' - 10"	7' - 0"	1 3/8"	SC MASONITE		WD							POCKET DOOR
102A		4	2' - 4"	7' - 0"	1 3/8"	SC MASONITE		WD							
103		5	2' - 10"	7' - 0"	1 3/8"	SC MASONITE		WD							POCKET DOOR
103A		4	2' - 4"	7' - 0"	1 3/8"	SC MASONITE		WD							
104		5	2' - 10"	7' - 0"	1 3/8"	SC MASONITE		WD							POCKET DOOR
104A		4	2' - 4"	7' - 0"	1 3/8"	SC MASONITE		WD							
105		1	4' - 0"	7' - 0"	1 3/4"	ALUM. SF.	INSUL.	ALUM. SF.							
107		3	3' - 0"	7' - 0"	1 3/8"	SC MASONITE		WD							
108		2A	3' - 0"	7' - 0"	1 3/4"	ALUM. SF.		ALUM. SF.							INTERIOR NO INSULATION REQUIRED
109		2A	3' - 0"	7' - 0"	1 3/4"	ALUM. SF.		ALUM. SF.							INTERIOR NO INSULATION REQUIRED
110		3	3' - 0"	7' - 0"	1 3/8"	SC MASONITE		WD							
113		9	6' - 0"	7' - 0"	1 3/4"	SC MASONITE		WD							
114		3	3' - 0"	7' - 0"	1 3/8"	SC MASONITE		WD							
116		6	2' - 10"	7' - 0"	1 3/8"	SC MASONITE		WD							POCKET DOOR
117		3	3' - 0"	7' - 0"	1 3/8"	SC MASONITE		WD							
118		3	3' - 0"	7' - 0"	1 3/8"	SC MASONITE		WD							
119		3	3' - 0"	7' - 0"	1 3/8"	SC MASONITE		WD							
120		3	3' - 0"	7' - 0"	1 3/8"	SC MASONITE		WD							
120A		3	3' - 0"	7' - 0"	1 3/8"	SC MASONITE		WD							
121		3	3' - 0"	7' - 0"	1 3/8"	SC MASONITE		WD							
123		7	2' - 10"	6' - 8"	1 3/8"	SC MASONITE		WD							POCKET DOOR
125A		2	3' - 0"	7' - 0"	1 3/4"	ALUM. SF.	INSUL.	ALUM. SF.							
125B		2	3' - 0"	7' - 0"	1 3/4"	ALUM. SF.	INSUL.	ALUM. SF.							
200A		10	2' - 6"	3' - 6"	1 3/4"	INSUL. HM		HM							
200B		10	2' - 6"	3' - 6"	1 3/4"	INSUL. HM		HM							
201		3	3' - 0"	7' - 0"	1 3/8"	SC MASONITE		WD							

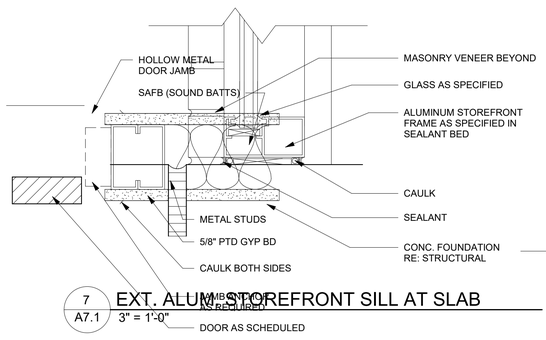


1 ALUM. SF INSUL. DBL. PANE LOW-E
2 ALUM. SF INSUL. DBL. PANE LOW-E
3 TruStile (TS) Series
4 TruStile (TS) Series
5 SC MASONITE WOOD FRAME
6 SC MASONITE WOOD FRAME
7 SC MASONITE WOOD FRAME
8 INSUL. HM DOOR HM FRAME
9 SC MASONITE WOOD FRAME
10 INSUL. HM GASKETED

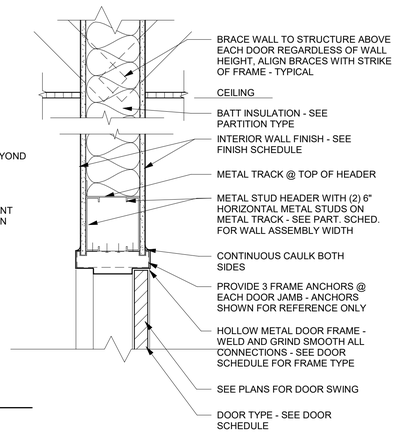
1 A7.1 DOOR TYPES
1/4" = 1'-0"



4 A7.1 EXTERIOR ALUM. WINDOW JAMB - TYPICAL
3" = 1'-0"

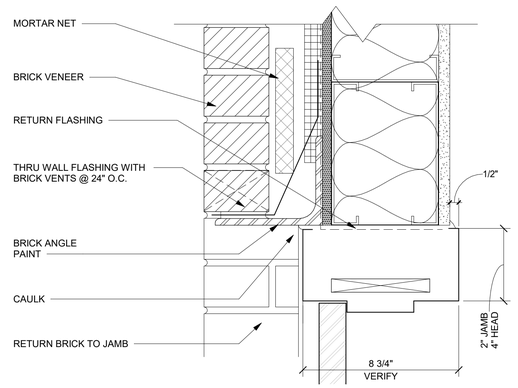


7 A7.1 EXT. ALUM. STOREFRONT SILL AT SLAB
3" = 1'-0"



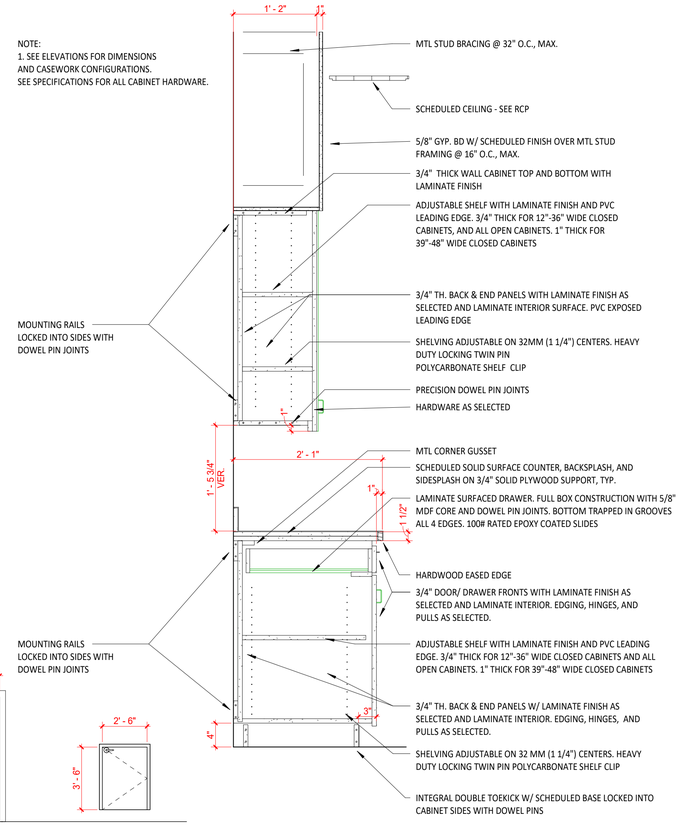
5 A7.1 HM FRAME JAMB DETAIL - TYPICAL (INTERIOR)
3" = 1'-0"

6 A7.1 HEAD/JAMB DETAIL - GYP ON STUD(INTERIOR)
1 1/2" = 1'-0"



2 A7.1 TYPICAL HM HEAD- EXTERIOR
3" = 1'-0"

NOTE:
1. SEE ELEVATIONS FOR DIMENSIONS AND CASEWORK CONFIGURATIONS. SEE SPECIFICATIONS FOR ALL CABINET HARDWARE.



8 A7.1 TYP. CABINET DETAIL1
1" = 1'-0"

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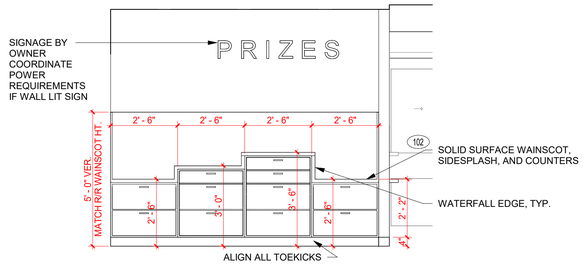
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DOOR AND FRAME TYPES

SHEET
A7.1

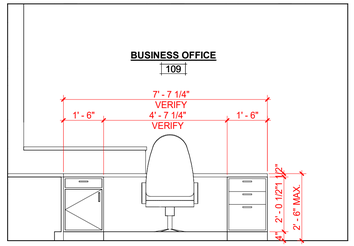
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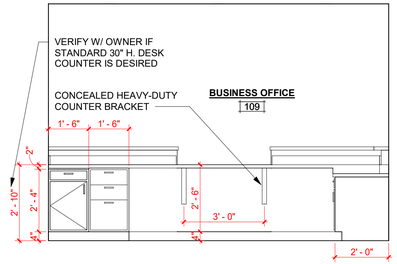
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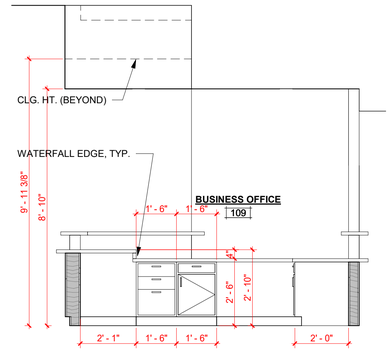
3A A8.1 Elevation 3-A
3/8" = 1'-0"



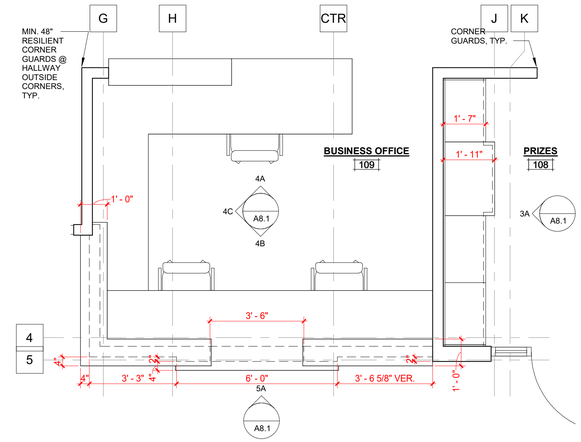
4A A8.1 Elevation 4-A
3/8" = 1'-0"



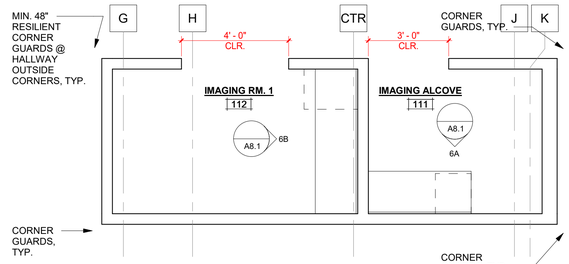
4B A8.1 Elevation 4-B
3/8" = 1'-0"



4C A8.1 Elevation 4-C
3/8" = 1'-0"

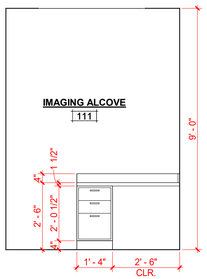


4 A8.1 01 FIRST FLOOR PLAN - Callout 4
3/8" = 1'-0"

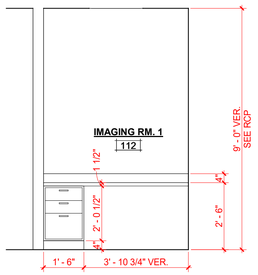


6 A8.1 01 FIRST FLOOR PLAN - Callout 6
3/8" = 1'-0"

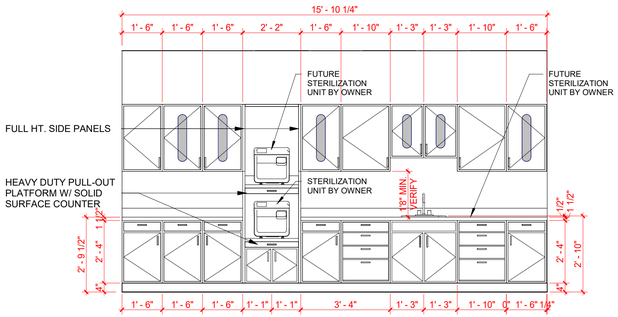
5A A8.1 Elevation 5-A
3/8" = 1'-0"



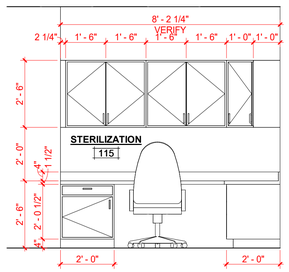
6A A8.1 Elevation 6-A
3/8" = 1'-0"



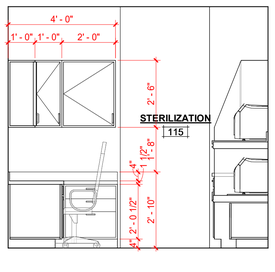
6B A8.1 Elevation 6-B
3/8" = 1'-0"



7A A8.1 Elevation 7-A
3/8" = 1'-0"



7B A8.1 Elevation 7-B
3/8" = 1'-0"



7C A8.1 Elevation 7-C
3/8" = 1'-0"

7 A8.1 01 FIRST FLOOR PLAN - Callout 7
3/8" = 1'-0"

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PREPARED FOR
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ISSUE:
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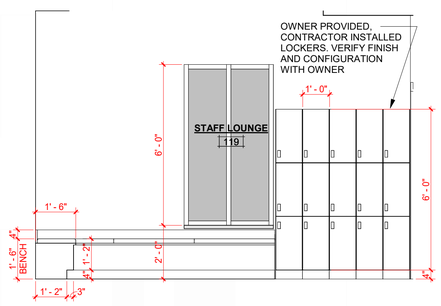
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INTERIOR ELEVATIONS & CABINET DETAILS

SHEET
A8.1

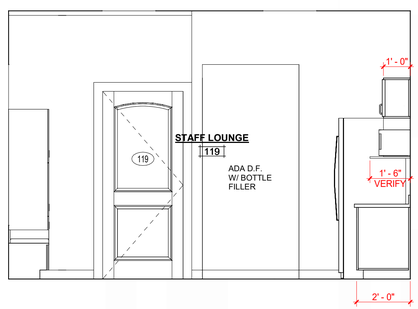
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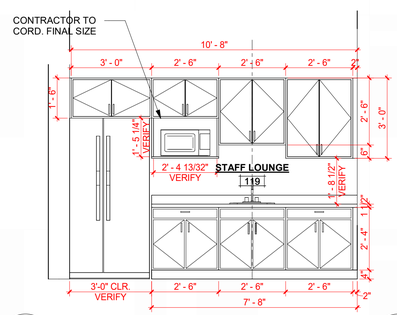
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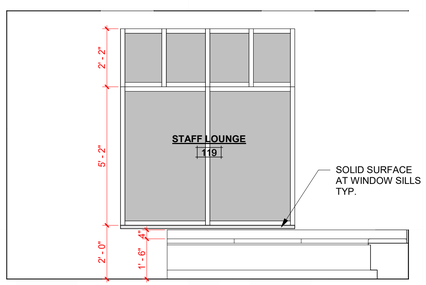
8A A8.2 Elevation 8-A
3/8" = 1'-0"



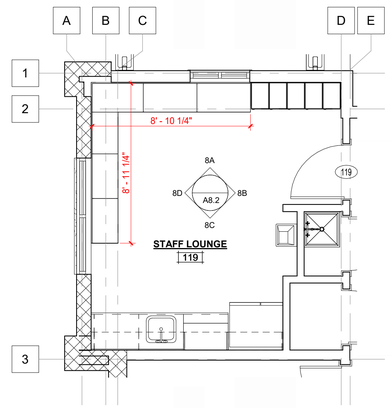
8B A8.2 Elevation 8-B
3/8" = 1'-0"



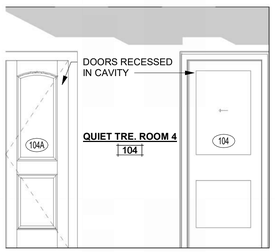
8C A8.2 Elevation 8-C
3/8" = 1'-0"



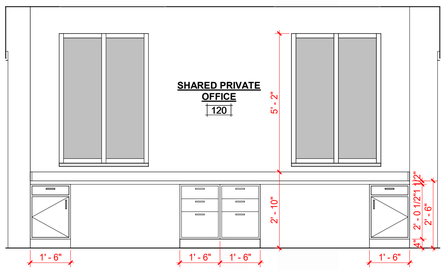
8D A8.2 Elevation 8-D
3/8" = 1'-0"



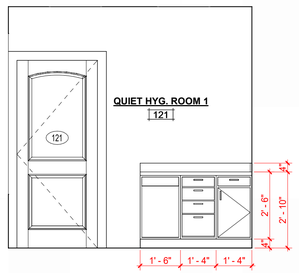
8 A8.2 01 FIRST FLOOR PLAN - Callout 8
1/4" = 1'-0"



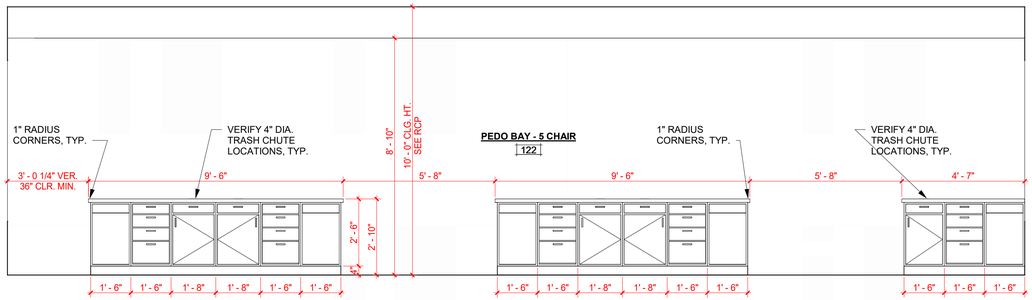
9A A8.2 Elevation 9-A
3/8" = 1'-0"



10A A8.2 Elevation 10-A
3/8" = 1'-0"



11A A8.2 Elevation 11-A
3/8" = 1'-0"



12A A8.2 Elevation 12-A
3/8" = 1'-0"

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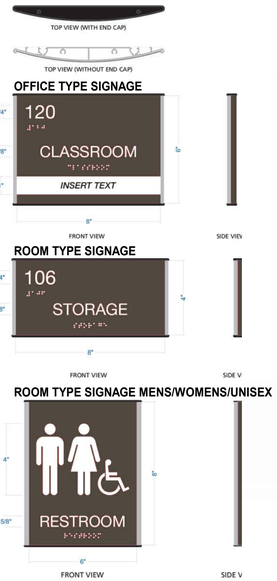
DESCRIPTION:
INTERIOR ELEVATIONS & CABINET DETAILS

SHEET
A8.2

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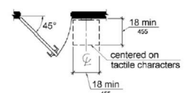
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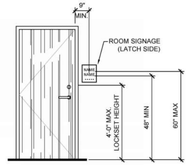
A A9.1 ROOM SIGNAGE TYPES
3" = 1'-0"

SIGNAGE NOTES:
1. INSTALL ROOM SIGNS PER MANUFACTURER REQUIREMENTS.
2. VINYL FOAM TAPE FOR MOUNTING SIGNAGE.
3. TYPE AND COLOR TO BE DARK BRONZE BACKGROUND WITH WHITE LETTERING.
4. PROVIDE "WINDOW" SECTION FOR REPLACEABLE OCCUPANT NAME ON ALL OFFICE DOORS.
5. ALL SIGNAGE MUST COMPLY WITH ADA 703 SIGNS.
6. ### ON SCHEDULE DEPICTS ROOM NUMBERS.
7. ALTHOUGH ROOMS NAMES ARE ABBREVIATED, SPELL ENTIRE ROOM NAME OUT.
8. OFFICE MARKED AS SPARE TO READ "OFFICE".



SIGNAGE TO COMPLY WITH 2010 ADA SECTION 703:

Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.



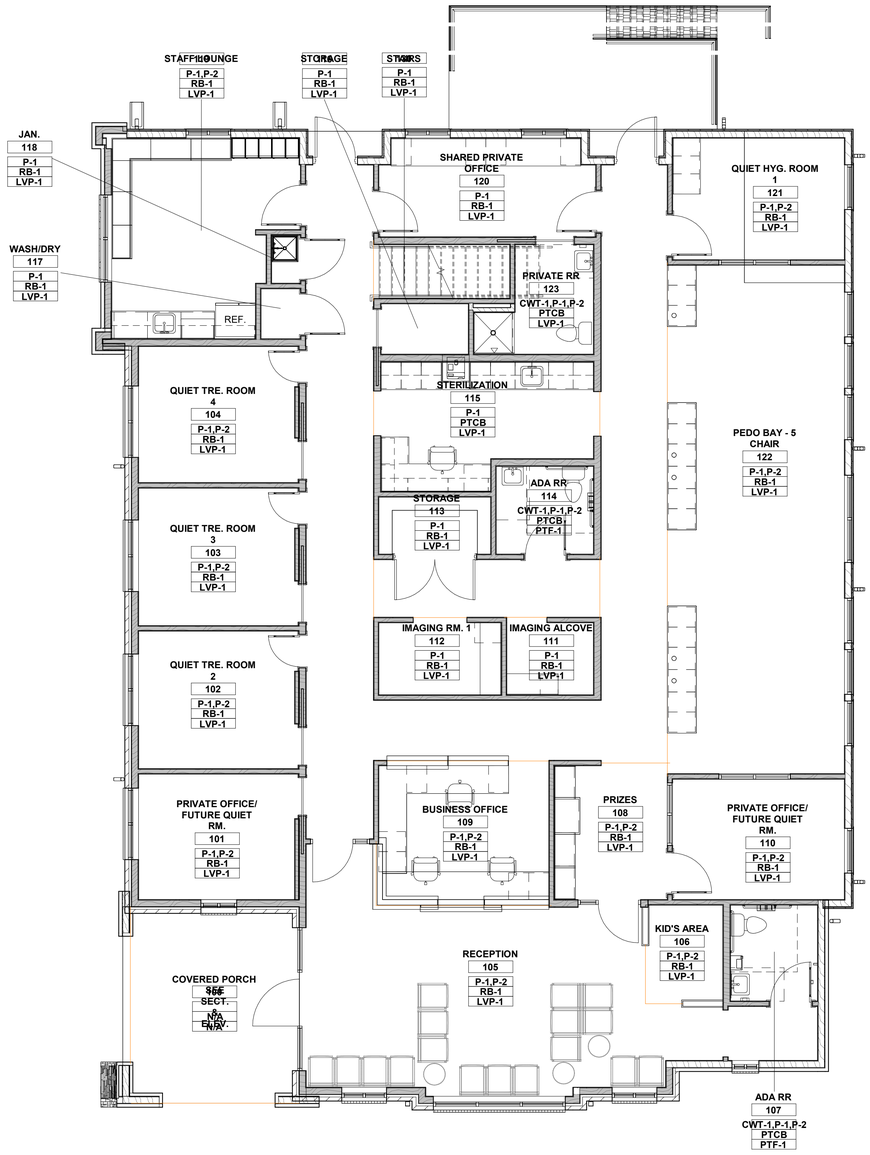
B A9.1 DOOR SIGN MOUNTING
1/4" = 1'-0"

FINISH SCHEDULE

Room #	Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
100	COVERED PORCH	N/A	N/A	SEE SECT. & ELEV.		
101	PRIVATE OFFICE/ FUTURE QUIET RM.	LVP-1	RB-1	P-1,P-2	SEE RCP	
102	QUIET TRE. ROOM 2	LVP-1	RB-1	P-1,P-2	SEE RCP	
103	QUIET TRE. ROOM 3	LVP-1	RB-1	P-1,P-2	SEE RCP	
104	QUIET TRE. ROOM 4	LVP-1	RB-1	P-1,P-2	SEE RCP	
105	RECEPTION	LVP-1	RB-1	P-1,P-2	SEE RCP	
106	KID'S AREA	LVP-1	RB-1	P-1,P-2	SEE RCP	
107	ADA RR	PTF-1	PTCB	CWT-1,P-1,P-2	SEE RCP	
107	I.T. CLOSET	LVP-1	RB-1	P-1	SEE RCP	
108	PRIZES	LVP-1	RB-1	P-1,P-2	SEE RCP	
109	BUSINESS OFFICE	LVP-1	RB-1	P-1,P-2	SEE RCP	
110	PRIVATE OFFICE/ FUTURE QUIET RM.	LVP-1	RB-1	P-1,P-2	SEE RCP	
111	IMAGING ALCOVE	LVP-1	RB-1	P-1	SEE RCP	
112	IMAGING RM. 1	LVP-1	RB-1	P-1	SEE RCP	
113	STORAGE	LVP-1	RB-1	P-1	SEE RCP	
114	ADA RR	PTF-1	PTCB	CWT-1,P-1,P-2	SEE RCP	
115	STERILIZATION	LVP-1	PTCB	P-1	SEE RCP	
116	STORAGE	LVP-1	RB-1	P-1	SEE RCP	
117	WASH/DRY	LVP-1	RB-1	P-1	SEE RCP	
118	JAN.	LVP-1	RB-1	P-1	SEE RCP	
119	STAFF LOUNGE	LVP-1	RB-1	P-1,P-2	SEE RCP	
120	SHARED PRIVATE OFFICE	LVP-1	RB-1	P-1	SEE RCP	
121	QUIET HYG. ROOM 1	LVP-1	RB-1	P-1,P-2	SEE RCP	
122	PEDO BAY - 5 CHAIR	LVP-1	RB-1	P-1,P-2	SEE RCP	
123	PRIVATE RR	LVP-1	PTCB	CWT-1,P-1,P-2	SEE RCP	
125	CORRIDOR	LVP-1	RB-1	P-1,P-2	SEE RCP	
130	STAIRS	LVP-1	RB-1	P-1	SEE RCP	

LVP-1	LUXURY VINYL PLANK	SHAW	TERRAIN II	VERIFY WITH ARCH	6"X48"	20 MIL WEAR LAYER, FULL-SPREAD ADHESIVE
PTF-1	PORCELAIN TILE FLOOR	DALTILE	KEYSTONES	VERIFY WITH ARCH	2"X2"	COORDINATE WITH FLOOR DRAIN SLOPE
SCF	SEALED CONCRETE FLOOR	REFER TO DRAWINGS				
PTCB	PORCELAIN TILE COVE BASE	DALTILE	KEYSTONES	VERIFY WITH ARCH		BATHROOMS NON- EXPOXY GROUT
RB-1	RUBBER BASE	JOHNSONITE	TRADITIONAL WALL BASE	VERIFY WITH ARCH	4" HIGH	CONTINUOUS ROLL GOODS - 4' LENGTH, PREFORMED INSIDE AND OUTSIDE CORNER
P-1	PAINT (PRIMARY)	SHERWIN WILLIAMS		VERIFY WITH ARCH		EGGSHELL FINISH
P-2	PAINT (ACCENT)	SHERWIN WILLIAMS		VERIFY WITH ARCH		EGGSHELL FINISH
P-3	PAINT	SHERWIN WILLIAMS		VERIFY WITH ARCH		EGGSHELL FINISH
P-4	PAINT(FRAMES)	SHERWIN WILLIAMS		VERIFY WITH ARCH		SEMI-GLOSS
P-5	PAINT (GYP. BD. CEILING)	SHERWIN WILLIAMS		VERIFY WITH ARCH PRIOR TO ORDERING		FLAT
P-6	PAINT (EXTERIOR BRICK COLOR 1)	SHERWIN WILLIAMS		SW 7005 PURE WHITE		FLAT, EXTERIOR MASONRY PAINT SYSTEM, INCLUDING PRIMER
P-7	PAINT (EXTERIOR BRICK COLOR 2)	SHERWIN WILLIAMS		SW 6258 TRICORN BLACK		FLAT, EXTERIOR MASONRY PAINT SYSTEM, INCLUDING PRIMER
CWT-1	CERAMIC WALL TILE	DALTILE	RIGID CLAY	VERIFY WITH ARCH	12"X24"	
APC-1	ACOUSTICAL LAY-IN CEILING	ARMSTRONG	DUNE 1774	WHITE	24"X24"	
APC-2	ACOUSTICAL LAY-IN CEILING	ARMSTRONG	CLEAN ROOM VL 868	WHITE	24"X24"	VINYL FACED
B1	GYPSUM BOARD	REFER TO DRAWINGS	REFER TO DRAWINGS	VARIES; VERIFY COLOR WITH ARCH		
B2	MOISTURE RESISTANT GYP. BOARD	REFER TO DRAWINGS	REFER TO DRAWINGS	VARIES; VERIFY COLOR WITH ARCH		
B3	PAINTED GYPSUM SHEATHING	REFER TO DRAWINGS	REFER TO DRAWINGS	VARIES; VERIFY COLOR WITH ARCH		
PL-1	PLASTIC LAMINATE	WILSONART	FINE VELVET FINISH	VVERIFY WITH ARCH		
SS-1	SOLID SURFACE	CORIAN	SOLID SURFACE	VERIFY WITH ARCH		WINDOW SILLS, COUNTERTOPS
SCW	DOORS	MASONITE	PRE-FINISHED	VERIFY WITH ARCH		
BRICK-1	BRICK	ACME	RUNNING BOND	MASTERWALL COATING	MODULAR	MORTAR COLOR TBD
AS	ALUMINUM STOREFRONT	OLD CASTLE	SEE SPECIFICATIONS	DARK BRONZE 740 - DARK RANGE	SEE DRAWINGS	GLAZING - SEE SPECIFICATIONS
GDS	GUTTERS & DOWNSPOUTS	REFER TO DRAWINGS		PREFINISHED METAL TO MATCH STOREFRONT COLOR		COMMERCIAL GUTTERS & DOWNSPOUTS
CNPY	METAL CANOPIES	REFER TO DRAWINGS		DARK BRONZE	SEE DRAWINGS	FACTORY FINISHED METAL CANOPY
PC	PRECAST CONC. LINTELS	REFER TO DRAWINGS		VERIFY WITH ARCH	VARIES	
MFS-1	MANUFACTURED STONE	EL DORADO	ROUGH CUT	VERIFY WITH ARCH		
A-SHGL	ASPHALT SHINGLE	GAF	TIMBERLINE HDZ	VERIFY WITH ARCH		MIN. 30-YEAR WARRANTY
PVC-1	PVC TRIM	REFER TO DRAWINGS	SMOOTH	VERIFY WITH ARCH	SEE DRAWINGS	TRIM
FCS-1	FIBER CEMENT SIDING	HARDIE	CUSTOM WOOD GRAIN, BEADED	VERIFY WITH ARCH	6" LAP	EQ. TO HARDIE HZ10 FIBER CEMENT
FCSB-1	FIBER CEMENT BOARD	HARDIE	SMOOTH	VERIFY WITH ARCH	SEE DRAWINGS	TRIM HEADER
CD-1	COMPOSITE DECKING	TREX	ENHANCE	VERIFY WITH ARCH		
SOF.	PERFORATED SOFFIT	HARDIE	SMOOTH		24"X 96"	

C A9.1 LIST OF FINISHES
NTS



1 A9.1 FIRST FLOOR PLAN
3/16" = 1'-0"

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

PREPARED FOR
RFI BUILDERS

ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
FINISH PLAN AND SCHEDULES

SHEET
A9.1

STATE OF ALABAMA
WILLIAM WHITTAKER
6524
REGISTERED ARCHITECT

4/10/2026 1:26:47 PM

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GENERAL NOTES

GN. GENERAL

GN.1 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH ALL OTHER DISCIPLINES' DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND ARCHITECT.

GN.2 DESIGN CRITERIA:

A. CODES AND SPECIFICATIONS:

1. GENERAL BUILDING CODE:
INTERNATIONAL BUILDING CODE, 2021 EDITION.

2. DESIGN LOAD CRITERIA:
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7.

3. CONCRETE:
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, AMERICAN CONCRETE INSTITUTE, ACI 318.

4. STRUCTURAL STEEL:
SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360.

5. STEEL DECK:
STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, ROOF DECKS AND CELLULAR METAL FLOOR DECK WITH ELECTRICAL DISTRIBUTION.

6. MASONRY:
BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES, TMS 402/602.

7. TIMBER:
NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, AMERICAN FOREST & PAPER ASSOCIATION/AMERICAN WOOD COUNCIL.

B. DESIGN LOADS (PSF):

1. DEAD LOADS:
ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.

2. LIVE LOADS:
ROOF (REDUCIBLE)----------20
SLAB OVER BASEMENT----------100
MEZZANINE----------40

3. SNOW LOAD:
GROUND SNOW LOAD (Pg)----------21.0
FLAT-ROOF SNOW LOAD (Pf)----------13.2
SNOW EXPOSURE FACTOR (Ce)----------0.9
SNOW LOAD IMPORTANCE FACTOR (Is)----------1.0
THERMAL FACTOR (Ct)----------1.0

4. WIND LOADS:
ULTIMATE DESIGN WIND SPEED, Vult----------110 MPH
(3 – SECOND GUST)
NOMINAL DESIGN WIND SPEED, Vasd----------85 MPH
(3 – SECOND GUST)
RISK CATEGORY----------II
WIND EXPOSURE CATEGORY----------B
INTERNAL PRESSURE COEFFICIENT----------±0.18

WALL COMPONENT AND CLADDING WIND PRESSURE-SEE DRAWINGS

5. SEISMIC LOADS:
SEISMIC IMPORTANCE FACTOR (Ie)----------1.0

MAPPED SPECTRAL RESPONSE ACCELERATIONS:
Ss----------0.30
S1----------0.10
SITE CLASS----------D
SITE COEFFICIENTS:
Fa----------1.56
Fv----------2.40
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
Sds----------0.312
Sd1----------0.160
SEISMIC DESIGN CATEGORY----------C
BASIC SEISMIC-FORCE-RESISTING SYSTEM:

LIGHT FRAMED WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE.

SEISMIC RESPONSE COEFFICIENT (Cs)----------0.06
RESPONSE MODIFICATION FACTOR(R)----------6.5
OVER-STRENGTH FACTOR (Ωo)----------3
DEFLECTION AMPLIFICATION FACTOR (Cd)----------4

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD

REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SEISMIC SUPPORT AND ATTACHMENT REQUIREMENTS FOR UTILITIES.

GN.3 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.

GN.4 SPECIAL INSPECTIONS/STRUCTURAL ENGINEER'S SITE VISITS:

A. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE. REFER TO DRAWINGS.

B. SITE VISITS BY THE STRUCTURAL ENGINEER'S OFFICE:

1. STRUCTURAL ENGINEER'S SITE VISITS ARE FOR VISUAL OBSERVATION OF THE IN-PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION.

2. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER AND ARCHITECT, PER THE SCHEDULE STATED BELOW, WHEN SUCH ITEMS HAVE PROGRESSED TO THE POINT WHERE THEY WILL BE IN PLACE AND READY FOR REVIEW. FAILURE TO NOTIFY MAY REQUIRE REMOVAL OF COMPLETED CONSTRUCTION.

NOTIFY PRIOR TO THE FOLLOWING SCHEDULED TASKS	REQUIRED DAYS NOTIFICATION
FIRST FOUNDATION POUR	3 DAYS
GROUTING MASONRY WALL CONSTRUCTION	3 DAYS
EACH ELEVATED SLAB POUR	3 DAYS
SHEATHING LOAD BEARING STUD WALLS	3 DAYS

C. SITE VISITS BY THE STRUCTURAL ENGINEER'S OFFICE DO NOT REPLACE REQUIRED INSPECTIONS BY THE BUILDING OFFICIAL AND/OR TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.

GN.5 SUBMITTALS:

A. REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. ALL SHOP DRAWINGS MUST BE REVIEWED AND "APPROVED" BY THE CONTRACTOR PRIOR TO SUBMITTAL.

B. ELECTRONIC SHOP DRAWING SUBMITTALS: SUBMIT ALL ELECTRONIC SHOP DRAWINGS IN .PDF FORMAT. REVIEWED SHOP DRAWINGS WILL BE RETURNED IN .PDF FORMAT. ALL PRINTS REQUIRED BY THE CONTRACTOR ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE AFTER APPROVED SHOP DRAWINGS ARE RETURNED.

C. RESUBMITTED SHOP DRAWINGS: RESUBMITTED SHOP DRAWINGS SHALL HAVE ALL CHANGES SINCE THE PREVIOUS SUBMISSION IDENTIFIED BY CLOUDING OR OTHER CLEAR COMMUNICATION. RE-REVIEWED SHOP DRAWINGS WILL ONLY BE REVIEWED FOR IDENTIFIED CHANGES.

D. SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL ENGINEER REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS. ITEMS MARKED (*) SHALL HAVE SHOP DRAWINGS SEALED BY THE STRUCTURAL ENGINEER RESPONSIBLE FOR DESIGN REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.

1. CONCRETE MIX DESIGNS
2. CONCRETE REINFORCING
3. STRUCTURAL STEEL
4. MASONRY MORTAR MIX DESIGNS
5. MASONRY GROUT MIX DESIGNS
6. MASONRY REINFORCING
7. SHOP FABRICATED WOOD TRUSSES(*)

E. DESIGN CALCULATIONS: THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL ENGINEER'S RECORD, DESIGN CALCULATIONS SEALED BY THE STRUCTURAL ENGINEER RESPONSIBLE FOR DESIGN REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED FOR THE FOLLOWING ITEMS.

1. SHOP FABRICATED WOOD TRUSSES

GN.6 ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.

GN.7 THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

GN.8 CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS/ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT LOADS DO NOT EXCEED THE DESIGN LIVE LOAD.

FD. FOUNDATION

FD.1 GEOTECHNICAL ENGINEER, EMPLOYED BY THE CONTRACTOR, SHALL PROVIDE COMPACTED FILL REQUIREMENTS FOR THE BUILDING PAD AND REVIEW THE FOUNDATION BEARING SURFACE TO VERIFY THE BASIS OF DESIGN BEARING PRESSURE NOTED. DO NOT PLACE CONCRETE PRIOR TO GEOTECHNICAL ENGINEER'S APPROVAL.

FD.2 DESIGN BEARING PRESSURES (PSF):----------2500

FD.3 ALL FOUNDATION BEARING SURFACES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE COMPLIANCE WITH PRESSURES NOTED. THE FINAL BEARING ELEVATIONS MAY VARY AS REQUIRED TO PROVIDE PROPER BEARING CAPACITY IN AN APPROVED BEARING STRATUM AS DETERMINED BY THE GEOTECHNICAL ENGINEER.

FD.4 FOOTINGS SHALL BE PLACED THE SAME DAY AS INSPECTION BY THE GEOTECHNICAL ENGINEER UNLESS EXTENDED TIME IS APPROVED BY THE GEOTECHNICAL ENGINEER.

FD.5 FOOTINGS SHALL BE NEATLY EXCAVATED WHERE POSSIBLE WITH SIDES AND TOP EDGES FREE OF LOOSE OR WET MATERIALS. WHERE NEAT EXCAVATION IS NOT POSSIBLE, FOOTING EXCAVATION SHALL BE FILLED WITH CONCRETE TO THE TOP OF FOOTING. THE BOTTOM EXCAVATION SHALL BE CLEAN AND DRY WITH ALL LOOSE MATERIAL REMOVED FOR AN ESSENTIALLY FLAT BEARING SURFACE. WHERE SOFT OR UNSUITABLE BEARING SURFACES ARE ENCOUNTERED, THE AREA SHALL BE UNDERCUT AS REQUIRED AND REPLACED WITH LEAN CONCRETE OR COMPACTED DENSE GRADED CRUSHED STONE AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

FD.6 COMPACTED FILL SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL REPORT. EXCAVATED MATERIAL MAY BE USED AS BACKFILL MATERIAL WITH WRITTEN APPROVAL FROM THE GEOTECHNICAL ENGINEER STATING THAT SUCH MATERIAL IS SUITABLE AS BACKFILL AND INSTRUCTIONS ARE GIVEN FOR PROPER MOISTURE CONTENT AND COMPACTION.

FD.7 BACKFILL FOR FOUNDATION AND RETAINING WALLS SHALL BE A FREE DRAINING GRANULAR MATERIAL. BACKFILL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT SUBSIDENCE OF SURFACE ADJACENT TO WALL. THE GRANULAR MATERIAL SHALL BE PLACED IN A VERTICAL DEGREE WEDGE EXTENDING FROM THE BASE OF WALL.

FD.8 RETAINING WALL DESIGN CRITERIA:
ACTIVE DESIGN PRESSURE----------38 PCF
PASSIVE DESIGN PRESSURE----------300 PCF
COEFFICIENT OF FRICTION----------0.3

FD.9 FOUNDATION AND RETAINING WALLS SHALL NOT BE BACKFILLED UNTIL CONCRETE HAS ATTAINED THE REQUIRED 28 DAYS COMPRESSIVE STRENGTH.

FD. 10 PROVIDE 4" OF COMPACTED GRANULAR FILL BENEATH ALL SLABS ON GRADE. PROVIDE 15 MIL VAPOR RETARDER BETWEEN BOTTOM OF SLAB AND TOP OF GRANULAR FILL.

FD. 11 FOUNDATIONS SHALL BE CENTERED ABOUT COLUMN LINES, UNLESS NOTED.

CN. CONCRETE

CN.1 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

CN.2 MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS (PSI), TYPE OF CONCRETE, MAXIMUM W/C (WATER/CEMENTITIOUS MATERIALS RATIO), TOTAL AIR CONTENT, SLUMP AND CONCRETE USE:

STRENGTH	TYPE	W/C	AIR	SLUMP	USE
4500	NORMAL WT.	0.45	***	3" TO 5"	SLAB ON GRADE
3000	NORMAL WT.	0.57	---	3" TO 5"	FOOTINGS
4000	NORMAL WT.	0.50	4-6%	3" TO 5"	UNLESS NOTED

***DO NOT USE AIR ENTRAINING ADMIXTURES IN INTERIOR CONCRETE SLABS TO RECEIVE A HARD TROWEL FINISH.

CN.3 REINFORCING BARS: ASTM A615 GRADE 60.

CN.4 WELDED WIRE REINFORCEMENT (WWR): ASTM A1064. MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING PLUS 2" OR 6".

CN.5 REINFORCING STEEL SHOWN IN SECTIONS AND DETAILS IS A SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.

CN.6 REINFORCING BAR PLACING ACCESSORIES TO BE INSTALLED IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS.

CN.7 DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI MNL-66 (ACI 315). REINFORCEMENT SHALL NOT BE WELDED UNLESS NOTED OR APPROVED BY THE STRUCTURAL ENGINEER.

CN.8 SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

CN.9 REINFORCING MARKED "CONTINUOUS" SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

CN.10 CONCRETE COVERAGE OF REINFORCEMENT, UNLESS NOTED:

FOOTINGS----------2" TOP & 3" BOTTOM & SIDES
FOUNDATION RETAINING WALLS----------2" BOTH FACES
SUMP AND PIT WALLS----------2" BOTH FACES
WWR IN SLABS ON GRADE----------2" TOP

CN.11 PEDESTAL AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.

CN.12 FOR CONCRETE WALLS WITH A SINGLE LAYER OF REINFORCING, CENTER THE VERTICAL REINFORCING IN THE WALL WITH THE HORIZONTAL BARS DIRECTLY ADJACENT AND CONTINUOUS, UNLESS NOTED.

CN.13 SLABS ON GRADE: 4" THICK, REINFORCED WITH 6X6 W2.9/W2.9 WWR AT MID-DEPTH OF SLAB, UNLESS NOTED.

LBYD, Inc.
Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
Project No. 134142.001
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BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

PREPARED FOR
RFI BUILDERS

ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
GENERAL NOTES

SHEET
S1.0

ALABAMA LICENSED
04.06.26
No. 22790
PROFESSIONAL
ENGINEER
WILLIAM A. WARCH

4/6/2026 5:22:23 PM

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GENERAL NOTES CONTINUED

SS. STRUCTURAL STEEL

SS.1 FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

SS.2 THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL THE LATERAL FORCE RESISTING SYSTEM AND STABILITY OF THE COMPLETED STRUCTURE IS IN PLACE.

SS.4 STRUCTURAL STEEL AND STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS UNLESS NOTED OTHERWISE:

W SHAPES	ASTM A992
CHANNELS	GRADE 50
STIFFENER PLATES, BASE PLATES, CAP PLATES, CONNECTION PLATES, AND ANGLES	ASTM A36
HOLLOW STRUCTURAL SECTIONS	ASTM A500, GRADE C
WELDED CONNECTIONS	E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16"
HEADED ANCHOR RODS	ASTM F1554 GRADE 55, WITH S1 SUPPLEMENT (WELDABLE) ANCHOR AND HEAVY HEX NUT, UNLESS INDICATED.
SHEAR CONNECTORS	ASTM A108, GRADE 1015 THROUGH 1020, HEADED-STUD TYPE, COLD FINISHED CARBON STEEL; AWS D1.1, TYPE B.
BOLTS	ASTM F3125, GRADE A325 OR A490
NUTS	ASTM A563
WASHERS	ASTM F436

SS.5 WHERE NO CAMBER IS INDICATED, BEAMS SHOULD BE ERECTED WITH NATURAL CAMBER ORIENTED UPWARD.

SS.6 BEAMS SHALL BE EQUALLY SPACED IN BAYS, UNLESS NOTED.

SS.7 HSS MEMBERS SHALL HAVE A 1/4" CLOSURE PLATE.

SS.8 FOUR ANCHOR RODS MINIMUM FOR BASE PLATES UNDER COLUMNS.

SS.9 GROUT UNDER BEARING PLATES SHALL BE NON-SHRINK, NON-METALLIC TYPE. GROUT SHALL HAVE A SPECIFIED DESIGN COMPRESSIVE STRENGTH TWO TIMES THAT OF THE SUPPORTING CONCRETE.

SS.10 STRUCTURAL STEEL MEMBERS SHALL NOT BE CUT, SPLICED, OR MODIFIED IN THE FIELD UNLESS NOTED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.

SS.11 STRUCTURAL STEEL NOT EXPOSED TO VIEW SHALL BE PRIMED WITH MANUFACTURER'S STANDARD SHOP PRIMER. STRUCTURAL STEEL EXPOSED TO WEATHER IN ITS FINAL POSITION SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123. FOR STRUCTURAL STEEL EXPOSED TO VIEW, REFER TO PROJECT SPECIFICATIONS FOR FINISHED COATING SYSTEM.

SS.12 SHOP PRIMER OR OTHER COATINGS SHALL NOT BE APPLIED TO THE FACE OF STRUCTURAL STEEL FRAMING SUBJECT TO HEADED STUD WELDING.

SS.13 DRAIN HOLES SHALL BE PROVIDED IN ALL STEEL AS REQUIRED TO PREVENT WATER ACCUMULATION. HOLES THROUGH STRUCTURAL STEEL MEMBERS SHALL BE GROUND SMOOTH AND NOT EXCEEDING 1/2" DIAMETER. DRAIN HOLES SHALL BE LEFT CLEAN AND UNOBSTRUCTED.

SS.14 CONTRACTOR SHALL SUBMIT THE STEEL DETAILER'S .IFC MODEL (SUCH AS TEKLA, SDS/2, ETC.) IN ELECTRONIC FORMAT WHEN SUBMITTING STRUCTURAL STEEL SHOP DRAWINGS. THE .IFC MODEL WILL BE USED IN THE SHOP DRAWING REVIEW PROCESS. LBYD WILL RETURN ALL COMMENTS ON THE SUBMITTED SHOP DRAWINGS ONLY.

SD. STEEL DECK

SD.1 DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE.

SD.2 DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.

SD.3 DO NOT SHORE DECK.

SD.4 SIDELAP AND PERIMETER DECK EDGE FASTENERS ARE TO BE INSTALLED BETWEEN SUPPORTS.

SD.5 FORM DECK: 2 1/2" THICK CONCRETE SLAB ON NON-COMPOSITE STEEL FORM DECK, 22 GAGE, GALVANIZED 1" DEEP WITH 6X6 W2.1/W2.1 WWR AT MID-DEPTH, (TOTAL THICKNESS = 3 1/2). SHEET STEEL FOR DECK SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.

A. DECK SHALL BE WELDED TO SUPPORTS WITH A 5/8" DIAMETER PUDDLE WELD OR EQUIVALENT AT ALL EDGE RIBS PLUS A SUFFICIENT NUMBER OF INTERIOR RIBS TO PROVIDE A MAXIMUM AVERAGE SPACING OF 12 INCHES. THE MAXIMUM SPACING BETWEEN ADJACENT POINTS OF ATTACHMENT SHALL NOT EXCEED 18 INCHES.

MA. MASONRY

MA.1 MASONRY CONSTRUCTION SHALL CONFORM TO TMS 402/602 CODE AND SPECIFICATION.

MA.2 CONCRETE MASONRY UNITS (CMU) SHALL BE LIGHTWEIGHT (DENSITY = 105 PCF), CONFORMING TO ASTM C90, UNLESS NOTED.

MA.3 COMPRESSIVE STRENGTH OF MASONRY (F'm): 2000 PSI AT 28 DAYS.

MA.4 GROUT SHALL CONFORM TO ASTM C476 WITH COMPRESSIVE STRENGTH (F'g) OF 2500 PSI AT 28 DAYS. GROUT SHALL BE PLACED ACCORDING TO TMS 602/ACI 530.1/ASCE 6 SECTION 3.5.

MA.5 MORTAR SHALL CONFORM TO ASTM C270, TYPE S OR M FOR TYPICAL CONDITIONS, TYPE M FOR BASEMENT AND RETAINING WALLS.

MA.6 ALL MASONRY SHALL BE RUNNING BOND, UNLESS NOTED.

MA.7 ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.

MA.8 SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY CONTROL JOINTS AND OPENINGS.

MA.9 REINFORCING BARS: ASTM A615 GRADE 60. LAP REINFORCING BARS ACCORDING TO TYPICAL DETAILS.

MA.10 HORIZONTAL JOINT REINFORCING: LADDER TYPE, 9 GAGE SPACED VERTICALLY AT 16", UNLESS NOTED. PLACE REINFORCING ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. LAP REINFORCING A MINIMUM OF 6".

MA.11 WHEN REINFORCING BARS ARE SPECIFIED, PROVIDE AT EACH SIDE OF CONTROL JOINTS, OPENINGS AND WALL ENDS ACCORDING TO TYPICAL DETAILS. REINFORCING BARS TO BE CENTERED IN WALL, UNLESS NOTED.

MA.12 CONDUIT, PIPING, AND SLEEVES OF ANY MATERIAL TO BE EMBEDDED IN MASONRY SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:

A. CONDUIT, PIPING, AND SLEEVES OF ALUMINUM SHALL NOT BE EMBEDDED IN MASONRY.

B. CONDUIT, PIPING, AND SLEEVES SHALL NOT PASS THROUGH JAMBS, LINTELS, BOND BEAMS, OR SHEAR WALLS WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.

C. REINFORCING SHALL NOT BE CUT, BENT, OR DISPLACED FOR PLACEMENT OF CONDUIT, PIPING, AND SLEEVES.

D. CONDUIT, PIPING, AND SLEEVES SHALL BE NO CLOSER THAN 3 DIAMETERS ON CENTER. MINIMUM SPACING OF DIFFERENT DIAMETERS SHALL BE DETERMINED USING THE LARGER DIAMETER.

MA.13 TEMPORARY BRACING OF CMU WALLS IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL REMAIN IN PLACE UNTIL PERMANENT RESTRAINT IS PROVIDED.

WD. WOOD CONSTRUCTION

WD.1 WOOD FRAMING MEMBERS: VISUALLY GRADED DIMENSIONAL #2 GRADE SOUTHERN PINE.

WD.2 SILL PLATES, SOLE PLATES AND TOP PLATES SHALL BE OF THE SAME SIZE AND SPECIES AS THE STUDS TO WHICH THEY ARE CONNECTED. GRADE AND SPECIES SHALL BE AS SPECIFIED ABOVE.

WD.3 ALL LUMBER TO HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF CONSTRUCTION.

WD.4 ALL PRESSURE TREATED SOUTHERN PINE LUMBER SHALL BE PRESSURE TREATED WITH ALKALINE COPPER QUATERNARY (ACQ) IN ACCORDANCE WITH AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) STANDARD U1, COMMODITY SPECIFICATION A.

A. USE CATEGORIES:

1. UC2/INTERIOR DRY – SILL PLATES

2. UC3B/ABOVE GROUND EXPOSED – EXPOSED LUMBER DECKING, RAILINGS, BEAMS, COLUMNS, JOISTS, SHEATHING, ETC.

3. UC4A/GROUND CONTACT OR INCLUSION PER U1, SECTION 2, NOTE 1 – WOOD FOUNDATIONS, DECKING, BALCONY FRAMING, ETC.

B. ALL FASTENERS, NAILS AND OTHER METAL PRODUCTS USED WITH LUMBER PRESSURE TREATED WITH ACQ SHALL BE HOT-DIP GALVANIZED, STAINLESS STEEL OR AS RECOMMENDED BY THE ACQ MANUFACTURER. PRESSURE TREATED LUMBER SHALL NOT BE IN DIRECT CONTACT WITH ALUMINUM PRODUCTS.

WD.5 DIMENSIONED LUMBER FLOOR JOISTS SHALL BE LATERALLY BRACED AT ENDS, POINTS OF BEARING AND MAXIMUM INTERVALS OF 8'-0" BY SOLID BLOCKING, BRIDGING OR TRANSVERSE BEAMS IN ORDER TO PREVENT ROTATION.

WD.6 ALL MANUFACTURED WOOD FRAMING CONNECTORS TO BE BY SIMPSON STRONG-TIE COMPANY, INC. OR APPROVED EQUAL. ALL CONNECTORS SHALL BE FASTENED TO FRAMING MEMBERS FILLING THE REQUIRED NUMBER OF CONNECTOR HOLES WITH THE TYPE AND SIZE FASTENERS SPECIFIED BY THE MANUFACTURER. HARDWARE TO BE FASTENED FOR MAXIMUM CAPACITY WHERE MANUFACTURER PROVIDES OPTION.

WD.7 FLOOR SHEATHING: 23/32" PLYWOOD OR OSB, APA SINGLE-FLOOR RATED SHEATHING, EXPOSURE 1, TONGUE-AND-GROOVE EDGES. PANEL IDENTIFICATION INDEX 48/24. LONG DIMENSION OF PANEL PERPENDICULAR TO SUPPORTS WITH JOINTS STAGGERED.

WD.8 FLOOR SHEATHING NAILING, UNLESS NOTED: 10D HOT-DIPPED GALVANIZED COMMON NAILS AT 6 INCHES AT DIAPHRAGM BOUNDARIES, 6 INCHES AT PANEL ENDS AND 12 INCHES AT INTERMEDIATE SUPPORTS

WD.9 ROOF SHEATHING: 5/8" PLYWOOD OR OSB, APA RATED SHEATHING, EXPOSURE I, WITH PANEL IDENTIFICATION INDEX 40/20. PROVIDE ONE H-CLIP AT ALL ADJOINING PANEL JOINTS MIDWAY BETWEEN SUPPORTS. LONG DIMENSION OF PANEL PERPENDICULAR TO SUPPORTS WITH JOINTS STAGGERED.

WD.10 ROOF SHEATHING NAILING, UNLESS NOTED: 8D HOT-DIPPED GALVANIZED COMMON NAILS AT 6 INCHES AT DIAPHRAGM BOUNDARIES, 6 INCHES AT PANEL ENDS AND 12 INCHES AT INTERMEDIATE SUPPORTS.

WD.11 EXTERIOR AND SHEAR WALL SHEATHING: 7/16" OR 15/32" PLYWOOD OR OSB, APA RATED SHEATHING, EXPOSURE 1. PANEL IDENTIFICATION INDEX 32/16. LONG DIMENSION OF PANEL PARALLEL OR PERPENDICULAR TO STUDS. ALL PLYWOOD EDGES BACKED WITH TWO-INCH NOMINAL OR WIDER FRAMING.

WD.12 SHEAR WALL SHEATHING NAILING: SEE SCHEDULE.

WD.13 LAMINATED VENEER LUMBER (LVL) BEAMS, COLUMNS AND PLANKS MANUFACTURED BY WEYERHAEUSER OR LOUISIANA PACIFIC CORPORATION OR APPROVED EQUAL SHALL MEET OR EXCEED THE REQUIREMENTS INDICATED BELOW:

BENDING (Fb)----------2600 PSI
SHEAR PARALLEL TO GRAIN (Fv)----------285 PSI
COMPRESSION PERPENDICULAR TO GRAIN (Fc PER)----------750 PSI
MODULUS OF ELASTICITY (E)----------2,000,000 PSI
COMPRESSION PARALLEL TO GRAIN (Fc PAR)----------2510 PSI

WD.20 MULTI-PLY ENGINEERED LUMBER BEAMS, UNLESS NOTED OTHERWISE, ARE TO BE FASTENED TOGETHER AS SHOWN IN THE "MULTI-PLY BEAM FASTENING" TYPICAL DETAIL.

WD.21 REFER TO IBC TABLE 2304.10.1 FOR FASTENING REQUIREMENTS NOT SPECIFICALLY STATED IN DRAWINGS.

WD.22 BOLTS: ASTM F3125, GRADE 325 W/ ASTM A563 HEX NUTS AND F844 WASHERS.

WD.23 NAILS, WIRE BRADS, STAPLES: SHALL CONFORM TO ASTM F1667. ALL NAILS SPECIFIED IN DOCUMENTS ARE COMMON NAILS, UNLESS NOTED.

WD.24 POWER DRIVEN FASTENERS: SHALL CONFORM TO NER-272.

WD.25 WOOD SCREWS: SHALL CONFORM TO ASME B18.6.1.

WD.26 LAG BOLTS: SHALL CONFORM TO ASME B18.2.1.

WD.27 THE NUMBER OF PLIES IN A BUILT-UP COLUMN SHALL MATCH OR EXCEED THE NUMBER OF PLIES OF THE BEAM IT SUPPORTS IF A SPECIFIC SIZE IS NOT GIVEN IN CONSTRUCTION DOCUMENTS.

WD.28 FREE-STANDING COLUMNS/POSTS/STUDPACKS SHALL BE BRACED AT FOUNDATION WITH SIMPSON POST BASE CB, CBS, LCB, PB, OR PBS OR APPROVED EQUAL. THE GENERAL CONTRACTOR SHALL COORDINATE TYPE AND SIZE OF HARDWARE BASED ON SIZE OF WOOD POST/STUDPACK IN STRUCTURAL PLANS.

WD.29 FOR ALL EXTERIOR STUD WALLS NOT DESIGNATED AS SHEAR WALLS, PROVIDE BLOCKING, SHEATHING, AND ANCHORS PER SHEARWALL TYPE P-1 IN THE SHEAR WALL SCHEDULE.

FOR ALL BEARING WALLS NOT DESIGNATED AS SHEAR WALLS, PROVIDE THE FOLLOWING ANCHORAGE:

SILL PLATE ANCHOR ---------- SIMPSON POWDER-ACTUATED FASTENERS 0.15x2 1/2" PDPAWL AT 16" O.C., 1" EMBEDMENT.

WD.30 ALL EXTERIOR SILL PLATE ANCHORS SHALL BE GALVANIZED.

WT. WOOD TRUSSES

WT.1 TRUSS LAYOUTS SHOWN ON FRAMING PLANS ARE SCHEMATIC ONLY AND SHOWN FOR GENERAL ARRANGEMENT, UNLESS SPECIFICALLY DIMENSIONED. ACTUAL LAYOUT SHALL BE DETERMINED BY THE TRUSS ENGINEER, BUT SHALL NOT CHANGE SPAN DIRECTIONS, SUPPORT LOCATIONS SHOWN, NOR GO ABOVE THE MAXIMUM SPACING INDICATED. DO NOT BEAR GIRDER TRUSSES ON DOOR OR WINDOW OPENINGS UNLESS NOTED OTHERWISE. COORDINATE TRUSS LAYOUT WITH ARCHITECTURAL REQUIREMENTS, PLUMBING DRAINS, MECHANICAL DUCTS AND EQUIPMENT. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR SHAPES, SIZES, AND STYLES OF TRUSSES REQUIRED.

LBYD, Inc.
Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
Project No. 134142.001
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BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

PREPARED FOR RFI BUILDERS

ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
GENERAL NOTES CONTINUED

SHEET
S1.1

ALABAMA LICENSED 04.06.26 No. 22790 PROFESSIONAL ENGINEER WILLIAM A. WHITTAKER

4/6/2026 5:22:23 PM

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GENERAL NOTES CONTINUED

WT.2 DESIGN, FABRICATE AND ERECT WOOD TRUSSES IN ACCORDANCE WITH THE "DESIGN SPECIFICATION FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES" OF THE TRUSS PLATE INSTITUTE. RESPONSIBILITIES SPECIFICALLY ASSIGNED IN THESE CONSTRUCTION DOCUMENTS SHALL TAKE PRECEDENCE OVER ANSI/TPI CHAPTER 2.

WT.3 THE WOOD TRUSS SYSTEM ENGINEER SHALL DESIGN THE COMPLETE TRUSS SYSTEM. THE TRUSS SYSTEM IS AN ASSEMBLAGE OF TRUSSES AND TRUSS GIRDERS, TOGETHER WITH ALL PERMANENT INDIVIDUAL TRUSS MEMBER BRACING, TRUSS-TO-TRUSS CONNECTIONS, BRACING CONNECTIONS, AND OTHER STRUCTURAL ELEMENTS AND ALL SPACING AND LOCATIONAL CRITERIA THAT, IN COMBINATION, FUNCTION TO SUPPORT THE LOADS APPLICABLE TO THE STRUCTURE.

WT.4 SUBMIT ENGINEERED DRAWINGS AND CALCULATIONS FOR ALL WOOD TRUSS ROOF FRAMING SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ALABAMA. SUBMITTALS THAT DO NOT BEAR THE ENGINEER'S SEAL WILL BE REJECTED WITHOUT REVIEW.

WT.5 THE TRUSS SUBMITTAL MUST CONTAIN THE FOLLOWING INFORMATION, AS A MINIMUM:

A. SEALED SHOP DRAWINGS INDICATING TRUSS CONFIGURATIONS, DIMENSIONS, BEARING DETAILS, WOOD MEMBER SIZES, SPECIES & GRADES AND METAL CONNECTOR PLATE SIZES, ORIENTATIONS & DETAILS.

B. SEALED CALCULATIONS INDICATING GRAVITY & LATERAL LOADING, APPLICABLE BUILDING CODE, SUPPORT REACTIONS, DEFLECTIONS, MEMBER FORCES, AND LOCATIONS WHERE PERMANENT MEMBER BRACING IS REQUIRED.

C. SEALED ERECTION PLANS INDICATING TRUSS LOCATIONS, TRUSS-TO-TRUSS CONNECTIONS, AND PERMANENT INDIVIDUAL TRUSS MEMBER BRACING DETAILS (CONNECTIONS AND SIZES). INCLUDE DETAILS FOR CONNECTING MULTI-PLY TRUSSES TOGETHER, FOR ATTACHING OVERBUILDS, AND FOR ANY FIELD MODIFICATIONS REQUIRED.

WT.6 TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED LOADS:

A. ROOF:

1. TOP CHORD DEAD LOAD ----------10 PSF
2. BOTTOM CHORD DEAD LOAD ----------10 PSF
3. TOP CHORD LIVE LOAD ----------SEE SECTION GN.2.B.2

B. FLOOR:

1. TOP CHORD DEAD LOAD ----------20 PSF
2. BOTTOM CHORD DEAD LOAD ----------10 PSF
3. TOP CHORD LIVE LOAD ----------SEE SECTION GN.2.B.2

WT.7 IN ADDITION TO THE ABOVE LOADS, WOOD TRUSSES SHALL BE DESIGNED FOR CONCENTRATED LOADS HUNG FROM OR SUPPORTED ON TRUSSES. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR LOADING INFORMATION AND LOCATION. LOADING AS REQUIRED BY OTHER SUBCONTRACTORS, SUCH AS FIRE PROTECTION, SHALL BE COORDINATED BY THE CONTRACTOR.

WT.8 TRUSS ENGINEER TO DESIGN ROOF TRUSSES FOR COMPONENTS AND CLADDING WIND LOADS SHOWN ON DRAWINGS.

WT.9 MAXIMUM ALLOWABLE LIVE LOAD DEFLECTIONS ARE AS FOLLOWS:

ROOF TRUSSES----------L/240
FLOOR/CORRIDOR/STORAGE TRUSSES----------L/360
CANTILEVERED TRUSSES----------L/180

WT.10 PERMANENT INDIVIDUAL TRUSS MEMBER BRACING:

A. ALL LOCATIONS OF REQUIRED PERMANENT INDIVIDUAL TRUSS MEMBER BRACING SHALL BE IDENTIFIED IN THE TRUSS SUBMITTAL.

B. STRUCTURAL SHEATHING MAY BE UTILIZED TO PROVIDE OUT-OF-PLANE BRACING FOR TOP CHORD MEMBERS TO WHICH THE SHEATHING IS DIRECTLY ATTACHED. AT PIGGYBACK BASE TRUSSES AND OTHER TRUSSES WHERE THE TOP CHORD IS NOT DIRECTLY ATTACHED TO STRUCTURAL SHEATHING, THE TRUSS ENGINEER SHALL SPECIFY REQUIRED TOP CHORD BRACING, INCLUDING BRACING SIZES AND CONNECTIONS.

C. PROVIDE PERMANENT BOTTOM CHORD BRACING AT ALL TRUSSES AT SPACING NOT TO EXCEED 10'-0" O.C. THE TRUSS ENGINEER SHALL SPECIFY ANY ADDITIONAL PERMANENT MEMBER BRACING REQUIRED.

D. BRACING DESIGN MUST TRANSFER ALL BRACING FORCES INTO THE BUILDING DIAPHRAGMS.

WT.11 FOR TRUSSES SPANNING LESS THAN 60 FEET, WHERE PERMANENT INDIVIDUAL TRUSS MEMBER BRACING IS REQUIRED IN THE TRUSS SUBMITTAL, INDUSTRY STANDARD LATERAL BRACING DETAILS PROVIDED BY THE TRUSS ENGINEER OR A SEALED PROJECT SPECIFIC DESIGN PROVIDED BY THE TRUSS ENGINEER MAY BE UTILIZED.

WT.12 FOR TRUSSES SPANNING 60 FEET OR MORE, WHERE PERMANENT INDIVIDUAL TRUSS MEMBER BRACING IS REQUIRED IN THE TRUSS SUBMITTAL, A SEALED PROJECT SPECIFIC PERMANENT INDIVIDUAL TRUSS MEMBER BRACING DESIGN SHALL BE SPECIFIED BY THE TRUSS ENGINEER.

WT.13 PERMANENT INDIVIDUAL TRUSS MEMBER BRACING SHALL NOT BE CONSIDERED BUILDING STABILITY BRACING NOR TEMPORARY ERECTION BRACING.

WT.14 ALL MANUFACTURED TRUSS HOLD-DOWNS ARE SPECIFIED IN THE "ROOF UPLIFT REQUIREMENTS" SCHEDULE THAT IS LOCATED IN THE TYPICAL DETAILS. ALL HOLD-DOWN HARDWARE TO BE BY SIMPSON STRONG-TIE COMPANY, INC. OR APPROVED EQUAL. ALL CONNECTORS SHALL BE FASTENED TO FRAMING MEMBERS FILLING THE REQUIRED NUMBER OF CONNECTOR HOLES WITH THE TYPE AND SIZE FASTENERS SPECIFIED BY THE MANUFACTURER.

WT.15 TRUSS DESIGNER SHALL COORDINATE LAYOUT AND WEB OPENINGS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS TO PROVIDE ADEQUATE SPACE FOR INSTALLATION OF DUCTS AND PIPES.

WT.16 TRUSS MANUFACTURER TO COORDINATE WITH ALL SHEAR WALLS ON PLANS. IT IS THE RESPONSIBILITY OF THE TRUSS ENGINEER TO TRANSFER ALL SHEAR LOADS FROM DIAPHRAGMS AND SHEAR WALLS ABOVE INTO THE SHEAR WALL BELOW. PLACE DRAG TRUSS OR SHEAR PANELS ABOVE ALL SHEAR WALLS, WITH CAPACITIES THAT MATCH OR EXCEED THE TOTAL SHEAR CAPACITY OF THE SHEAR WALL BELOW. SEE STRUCTURAL DRAWINGS FOR SHEAR DESIGN FORCES.

WT.17 TRUSSES MUST BE TRANSPORTED, UNLOADED, STORED AND HANDLED PER THE TRUSS MANUFACTURER'S WRITTEN INSTRUCTIONS. TEMPORARY ERECTION BRACING OF THE TRUSSES IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, WHO SHALL ENGAGE A QUALIFIED DESIGN PROFESSIONAL FOR ASSISTANCE. THE PROJECT OWNER, BUILDING DESIGNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD ARE NOT RESPONSIBLE FOR TEMPORARY ERECTION BRACING.

WT.18 ALL DAMAGED TRUSSES MUST BE REPAIRED BY THE CONTRACTOR. REPAIR TECHNIQUE FOR EACH DAMAGED TRUSS MUST BE PROVIDED IN WRITING BY THE TRUSS ENGINEER AND SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER.

PA. POST INSTALLED ANCHORS

PA.1 POST INSTALLED ANCHORS SHALL COMPLY WITH ACI-318 APPENDIX D.

PA.2 ACCEPTABLE MANUFACTURERS SHALL INCLUDE BUT ARE NOT LIMITED TO HILTI, INC. AND SIMPSON STRONG-TIE COMPANY, INC. AND DEWALT ANCHORS.

PA.3 CARE SHALL BE TAKEN IN PLACING POST INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR.

PA.4 HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SHOWN SHALL BE SUBMITTED BY THE CONTRACTOR ALONG WITH PREPARED DOCUMENTATION DEMONSTRATING THAT THE PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.

PA.5 THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION GUIDELINES, SPECIFICATIONS, AND RECOMMENDATIONS.

PA.6 ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS.

PA.7 A REPRESENTATIVE OF THE POST-INSTALLED ANCHOR MANUFACTURER SHALL BE PRESENT FOR THE FIRST INSTALLATION OF EACH TYPE OF ANCHOR USED TO DEMONSTRATE AND INSTRUCT TO THE CONTRACTOR'S INSTALLATION CREW AND PERSONNEL THE PROPER METHOD OF INSTALLATION. SHOULD THE CONTRACTOR CHANGE INSTALLATION CREW OR INDIVIDUALS INSTALLING THE ANCHOR, THE MANUFACTURER'S REPRESENTATIVE SHALL BE NOTIFIED BY THE CONTRACTOR TO RETURN AND PROVIDE INSTRUCTION TO THE NEW INSTALLER(S).

PA.8 CONCRETE ANCHORS:

1. MECHANICAL ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI-355.2 AND ICC-ES AC193.

2. ADHESIVE ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI355.4 AND ICC-ES AC308.

PA.9 MASONRY ANCHORS:

1. ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:

A. MECHANICAL AND CONCRETE SCREW ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106, RESPECTIVELY.

B. ADHESIVE ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58 OR AC60.

2. ANCHORAGE TO MASONRY/UNREINFORCED CLAY BRICK MASONRY:

A. SCREW ANCHORS FOR USE IN HOLLOW CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC106.

B. ADHESIVE ANCHORS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.

LBYD, Inc.
Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
Project No. 134142.001
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BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

PREPARED FOR
RFI BUILDERS

ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
GENERAL NOTES CONTINUED

SHEET
S1.2

ALABAMA LICENSED
04.06.26
No. 22790
PROFESSIONAL
ENGINEER
WILLIAM A. WHITTAKER

4/6/2026 5:22:23 PM

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Special Inspection General Notes

SPECIAL INSPECTIONS

SI.1 ALL SPECIAL INSPECTIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE INTERNATIONAL BUILDING CODE AND ITS REFERENCED SPECIFICATIONS.

SI.2 THE SPECIAL INSPECTOR SHALL BE EMPLOYED BY THE OWNER OR THE OWNER'S AGENT AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK.

SI.3 THE SPECIAL INSPECTOR SHALL BE QUALIFIED PER THE INTERNATIONAL BUILDING CODE AND SHALL BE EDUCATED IN THE TASKS REQUIRED TO CONDUCT, SUPERVISE, AND EVALUATE THE INSPECTIONS. THE SPECIAL INSPECTOR MUST ALSO BE OBJECTIVE, COMPETENT, AND HAVE ACCESS TO THE APPROPRIATE TESTING EQUIPMENT WHICH SHALL BE MAINTAINED AND PERIODICALLY CALIBRATED. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.

SI.4 SPECIAL INSPECTION AGENTS:

1. APPROVED TESTING AGENCY

2. GEOTECHNICAL ENGINEER OF RECORD:
   FIRM
   STREET ADDRESS
   CITY, STATE, AND ZIP
   [List name and address of geotech eng who provided report]

EOR: ENGINEER OF RECORD:
LBYD INC.
880 MONTCLAIR ROAD, SUITE 600
BIRMINGHAM, AL 35213

SI.5 THE SPECIAL INSPECTIONS SHALL BE PERFORMED IN ADDITION TO ANY OBSERVATIONS PERFORMED BY THE ENGINEER OF RECORD AND ANY INSPECTIONS PERFORMED BY THE BUILDING OFFICIAL.

SI.6 THE SPECIAL INSPECTOR SHALL MAINTAIN RECORDS AND PROVIDE THE REQUIRED DOCUMENTATION AS PRESCRIBED IN THE INTERNATIONAL BUILDING CODE, INCLUDING THE SUBMITTAL OF REPORTS TO THE BUILDING OFFICIAL AND THE DESIGNER OF RECORD.

SI.7 THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE SPECIAL INSPECTOR TO ALLOW FOR SPECIAL INSPECTIONS.

SI.8 CONSTRUCTION WHICH REQUIRES SPECIAL INSPECTIONS SHALL BE MAINTAINED IN SUCH A STATE AS TO ALLOW ACCESS FOR THE SPECIAL INSPECTOR UNTIL THE REQUIRED INSPECTIONS OR TESTS HAVE BEEN COMPLETED.

SI.9 ANY DEVIATIONS FOUND DURING THE SPECIAL INSPECTION PROCESS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE DESIGNER OF RECORD. ALL DEVIATIONS MUST BE ADDRESSED PRIOR TO COMPLETION OF THE WORK.

SI.10 INSPECTION FREQUENCY:

A. CONTINUOUS – SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.

B. PERIODIC – SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.

C. OBSERVE – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

D. PERFORM – PERFORM TASKS FOR EACH JOINT, MEMBER, AND CONNECTION.

SI.11 SPECIAL INSPECTIONS FOR STRUCTURAL, LOAD-BEARING, OR LATERAL LOAD BEARING FABRICATED ITEMS SHALL BE PERFORMED FOR THE FABRICATED ITEMS AT THE FABRICATOR'S SHOP. SPECIAL INSPECTIONS FOR FABRICATED ITEMS MAY BE WAIVED WHEN THE FABRICATOR IS REGISTERED AND HAS APPROVAL TO PERFORM THE WORK WITHOUT SPECIAL INSPECTIONS. IF THE INSPECTIONS ARE WAIVED, THE FABRICATOR MUST SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL SHOWING COMPLIANCE WITH THE APPROVED STRUCTURAL DRAWINGS.

Concrete

NO.	INSPECTION TASK	FREQUENCY	REFERENCE STANDARD	AGENT
1.00	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	ACI 318 CH 20, 25.2, 25.3, 26.5.1-26.5.3; IBC 1908.4	ATA
2.00	REINFORCING BAR WELDING:			ATA
2.01	VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706.	PERIODIC	AWS D1.4	ATA
2.02	INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16".	PERIODIC	ACI 318: 26.5.4	ATA
2.03	INSPECT ALL OTHER WELDS.	CONTINUOUS		ATA
3.00	INSPECT ANCHORS CAST IN CONCRETE.	PERIODIC	ACI 318: 17.8.2	ATA
4.00	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.			ATA
4.01	INSPECT ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS	ACI 318: 17.8.2.4	ATA
4.02	INSPECT MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.01.	PERIODIC	ACI 318: 17.8.2	ATA
5.00	VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH 19, 26.4.3, 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3	ATA
6.00	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. DETERMINE UNIT WEIGHT OF LIGHTWEIGHT CONCRETE.	CONTINUOUS	ASTM C 172; ASTM C 31; ACI 318:26.4.5, 26.12; IBC 1908.10	ATA
7.00	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318: 26.4.5; IBC 1908.6, 1908.7, 1908.8	ATA
8.00	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 26.4.7-26.4.9; IBC 1908.9	ATA
9.00	INSPECT PRESTRESSED CONCRETE FOR:			ATA
9.01	APPLICATION OF PRESTRESSING FORCES.	CONTINUOUS	ACI 318: 26.9.2.1	ATA
9.02	GROUTING OF BONDED PRESTRESSING TENDONS.	CONTINUOUS	ACI 318: 26.9.2.3	ATA
10.00	INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	PERIODIC	ACI 318: CH 26.8	ATA
11.00	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	ACI 318: 26.10.2	ATA
12.00	INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 26.10.1(B)	ATA
13.00	ISOLATED CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (1)	ATA
14.00	CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION OR THOSE THAT ARE DESIGNED IN ACCORDANCE WITH IBC 2015 TABLE 1809.7 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (2)	ATA
15.00	SLABS ON GRADE ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (3)	ATA
16.00	CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH IBC 2015 TABLE 1807.1.6.2 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.		IBC 1705.3 (4)	ATA

Wood Framing

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSPECT PREFABRICATED WOOD STRUCTURAL ELEMENTS AND SITE-BUILT ASSEMBLIES	PERIODIC	IBC 1704.2.5, 1705.5	ATA
2.00	INSPECT GRADING OF WOOD MATERIALS:			
2.01	SAWN LUMBER FRAMING	PERIODIC		ATA
2.02	STRUCTURAL COMPOSITE LUMBER	PERIODIC		ATA
2.03	GLULAM FRAMING	PERIODIC		ATA
3.00	INSPECT FRAMING AND DETAILS:			
3.01	FRAMING LAYOUT, MEMBER SIZES, AND BEARING LENGTHS	PERIODIC		ATA
3.02	BLOCKING AND BRIDGING	PERIODIC		ATA
3.03	HOLES AND NOTCHES (a)	PERIODIC		ATA
4.00	INSPECT CONNECTIONS:			
4.01	BOLTED AND SCREWED CONNECTIONS, INCLUDING DIAMETER, LENGTH, SPACING AND EDGE DISTANCE.	PERIODIC		ATA
4.02	NAILED CONNECTIONS, INCLUDING DIAMETER, LENGTH, TYPE AND SPACING OF NAILS.	PERIODIC		ATA
4.03	PROPRIETARY HANGERS AND FRAMING ANCHORS, INCLUDING FASTENER SIZES AND QUANTITIES.	PERIODIC		ATA
4.04	TIE-DOWN ANCHORS, INCLUDING ANCHOR ROD SIZE AND FASTENER SIZES AND QUANTITIES.	PERIODIC		ATA
5.00	INSPECT SHEAR WALLS AND DIAPHRAGMS:			
5.01	WOOD STRUCTURAL PANEL GRADE AND THICKNESS	PERIODIC		ATA
5.02	FASTENER SIZE, LENGTH AND SPACING	PERIODIC		ATA
5.03	FRAMING MEMBER SIZES AT PANEL EDGES	PERIODIC		ATA
5.04	BLOCKING AT PANEL EDGES	PERIODIC		ATA
5.05	FIELD GLUING	CONTINUOUS		ATA
5.06	HIGH-LOAD DIAPHRAGMS	PERIODIC	IBC 1705.5.1	ATA
6.00	INSPECT METAL-PLATE CONNECTED WOOD TRUSSES:			
6.01	TEMPORARY INSTALLATION RESTRAINT/BRACING AND PERMANENT INDIVIDUAL MEMBER RESTRAINT/BRACING FOR TRUSS SPANNING 60' OR MORE.	PERIODIC	IBC 1705.5.2	ATA
6.02	MULTI-PLY TRUSS CONNECTIONS	PERIODIC		ATA
NOTES:	(a) INSPECTIONS OF HOLES AND NOTCHES TO BE PERFORMED AFTER ELECTRICAL, MECHANICAL AND PLUMBING.			

Soils

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC		GEOR
2.00	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC		GEOR
3.00	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC		GEOR
4.00	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT, AND COMPACTION OF COMPACTED FILL.	CONTINUOUS		GEOR
5.00	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC		GEOR

LBYD, Inc.
Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
Project No. 134142.001

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BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

PREPARED FOR
RFI BUILDERS

ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
SPECIAL INSPECTIONS

SHEET
S1.3

ALABAMA LICENSED
04.06.26
No. 22790
PROFESSIONAL
ENGINEER
WILLIAM A. WARGO

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Structural Steel

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSPECTOR SHALL BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL		AISC 360 SEC. N5.7	ATA
1.01	DIAMETER, GRADE, TYPE, LENGTH, AND EMBEDMENT DEPTH OF ANCHOR RODS AND OTHER EMBEDDED ITEMS	PERFORM		ATA
1.02	INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS APPROPRIATE, TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	PERFORM		ATA
2.00	INSPECTION TASKS PRIOR TO WELDING:		AISC 360 SEC. N5.4	
2.01	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	PERFORM		ATA
2.02	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	PERFORM		ATA
2.03	MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE		ATA
2.04	WELDER IDENTIFICATION SYSTEM (a)	OBSERVE		ATA
2.05	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY), JOINT PREPARATION, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), AND BACKING TYPE AND FIT (IF APPLICABLE)	OBSERVE		ATA
2.06	CONFIGURATION AND FINISH OF ACCESS HOLES	OBSERVE		ATA
2.07	CHECK WELDING EQUIPMENT	OBSERVE		ATA
3.00	INSPECTION TASKS DURING WELDING:		AISC 360 SEC. N5.4	
3.01	USE OF QUALIFIED WELDERS	OBSERVE		ATA
3.02	CONTROL AND HANDLING OF WELDING CONSUMABLE PACKAGING AND EXPOSURE CONTROL	OBSERVE		ATA
3.03	NO WELDING OVER CRACKED TACK WELDS	OBSERVE		ATA
3.04	ENVIRONMENTAL CONDITIONS INCLUDING WIND SPEED WITHIN LIMITS, PRECIPITATION, AND TEMPERATURE	OBSERVE		ATA
3.05	WPS FOLLOWED INCLUDING SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MIN/MAX), AND PROPER POSITION (F, V, H, OH)	OBSERVE		ATA
3.06	WELDING TECHNIQUES INCLUDING: INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS	OBSERVE		ATA
4.00	INSPECTION TASKS AFTER WELDING:		AISC 360 SEC. N5.4	
4.01	WELDS CLEANED	OBSERVE		ATA
4.02	SIZE, LENGTH, AND LOCATION OF WELDS	PERFORM		ATA
4.03	WELDS MEET VISUAL ACCEPTANCE CRITERIA FOR: CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, AND POROSITY	PERFORM		ATA
4.04	ARC STRIKES	PERFORM		ATA
4.05	K-AREA (b)	PERFORM		ATA
4.06	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	PERFORM		ATA
4.07	REPAIR ACTIVITIES	PERFORM		ATA
5.00	INSPECTION TASKS PRIOR TO BOLTING:		AISC 360 SEC. N5.6	
5.01	MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	PERFORM		ATA
5.02	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE		ATA
5.03	PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	OBSERVE		ATA
5.04	PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	OBSERVE		ATA
5.05	CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	OBSERVE		ATA
5.06	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	OBSERVE		ATA
5.07	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	OBSERVE		ATA
6.00	INSPECTION TASKS DURING BOLTING:		AISC 360 SEC. N5.6	
6.01	FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	OBSERVE		ATA
6.02	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	OBSERVE		ATA
6.03	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	OBSERVE		ATA
6.04	FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	OBSERVE		ATA
7.00	INSPECTION TASKS AFTER BOLTING:		AISC 360 SEC. N5.6	
7.01	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	PERFORM		ATA
NOTES:	(a) THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.			
	(b) WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75MM) OF THE WELD.			

Steel Deck

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT:		SDI STD QA/QC TABLE 1.1	
1.01	VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS.	PERFORM		ATA
1.02	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	PERFORM		ATA
2.00	INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT:		SDI STD QA/QC TABLE 1.2	
2.01	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS.	PERFORM		ATA
2.02	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	PERFORM		ATA
2.03	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES.	PERFORM		ATA
3.00	INSPECTION OR EXECUTION TASKS PRIOR TO WELDING:		SDI STD QA/QC TABLE 1.3	
3.01	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.	OBSERVE		ATA
3.02	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	OBSERVE		ATA
3.03	MATERIAL INDENTIFICATION (TYPE/GRADE).	OBSERVE		ATA
3.04	CHECK WELDING EQUIPMENT.	OBSERVE		ATA
4.00	INSPECTION OR EXECUTION TASKS DURING WELDING:		SDI STD QA/QC TABLE 1.4	
4.01	USE QUALIFIED WELDERS.	OBSERVE		ATA
4.02	CONTROL AND HANDLING OF WELDING CONSUMABLES.	OBSERVE		ATA
4.03	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE).	OBSERVE		ATA
4.04	WPS FOLLOWED.	OBSERVE		ATA
5.00	INSPECTION OR EXECUTION TASKS AFTER WELDING:		SDI STD QA/QC TABLE 1.5	
5.01	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS.	PERFORM		ATA
5.02	WELDS MEET VISUAL ACCEPTANCE CRITERIA.	PERFORM		ATA
5.03	VERIFY REPAIR ACTIVITIES.	PERFORM		ATA
5.04	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS.	PERFORM		ATA
6.00	INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING:		SDI STD QA/QC TABLE 1.6	
6.01	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS.	OBSERVE		ATA
6.02	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION.	OBSERVE		ATA
6.03	PROPER STORAGE FOR MECHANICAL FASTENERS.	OBSERVE		ATA
7.00	INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING:		SDI STD QA/QC TABLE 1.7	
7.01	FASTENERS ARE POSITIONED AS REQUIRED.	OBSERVE		ATA
7.02	FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	OBSERVE		ATA
8.00	INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING:		SDI STD QA/QC TABLE 1.8	
8.01	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS.	PERFORM		ATA
8.02	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS.	PERFORM		ATA
8.03	CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS.	PERFORM		ATA
8.04	VERIFY REPAIR ACTIVITIES.	PERFORM		ATA
8.05	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS.	PERFORM		ATA

Masonry - Level A

NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA TMS 402/ACI 530/ASCE 5 TMS 602/ACI 530.1/ASCE 6	AGENT
1.00	PRIOR TO CONSTRUCTION, VERIFY CERTIFICATES OF COMPLIANCE USED IN MASONRY CONSTRUCTION.	PERIODIC		ATA

LBYD, Inc.
Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
Project No. 134142.001

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BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

PREPARED FOR
RFI BUILDERS

ISSUE:
04.06.26 PERMIT

JOB NO.
25055

DESCRIPTION:
SPECIAL INSPECTIONS

SHEET
S1.4

ALABAMA LICENSED
04.06.26
No. 22790
PROFESSIONAL ENGINEER
WILLIAM A. WARREN

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LBYD, Inc.
Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
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BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

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VESTAVIA HILLS, AL 35243

PREPARED FOR
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ISSUE:
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JOB NO.
25055

DESCRIPTION:
TYPICAL DETAILS

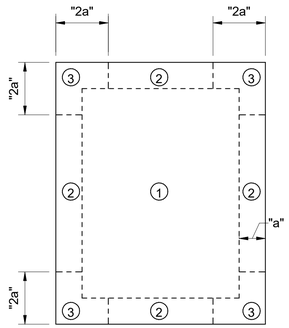
SHEET
S1.5

ALABAMA LICENSED
04.06.26
No. 22790
PROFESSIONAL
ENGINEER
WILLIAM A. WHITTAKER

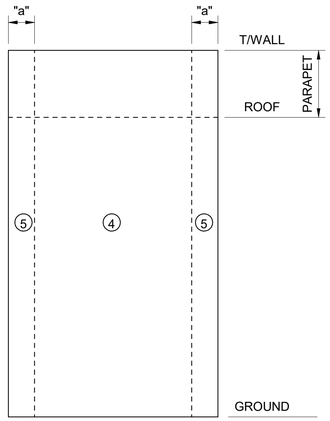
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Components and Cladding Wind Pressures (Gross Ultimate)

ZONE	EFFECTIVE WIND AREA (SQ FT)	MAX +VE PRESSURE (PSF)	MAX -VE PRESSURE (PSF)
ZONE 1 ROOF INTERIOR ZONE	10	18.5	-33.9
	20	16.4	-28.7
	50	13.7	-21.9
	≥100	11.7	-16.8
ZONE 2e ROOF EAVE ZONE	10	18.5	-33.9
	20	16.4	-28.7
	50	13.7	-21.9
	≥100	11.7	-16.8
ZONE 2n ROOF GABLE EAVE ZONE	10	18.5	-37.3
	20	16.4	-33.4
	50	13.7	-28.1
	≥100	11.6	-24.2
ZONE 2r ROOF RIDGE ZONE	10	18.5	-33.9
	20	16.4	-28.7
	50	13.7	-21.9
	≥100	11.6	-16.8
ZONE 2h ROOF STEP ZONE	≤10	23.0	-36.3
	20	22.0	-33.9
	50	21.0	-30.7
	100	20.0	-28.3
	≥500	17.0	-22.8
ZONE 3e ROOF CORNER ZONE	10	18.5	-46.2
	20	16.4	-40.9
	50	13.7	-33.9
	≥100	11.6	-28.6
ZONE 3r ROOF RIDGE END ZONE	10	18.5	-37.3
	20	16.4	-33.4
	50	13.7	-28.1
	≥100	11.6	-24.2
ZONE 3h ROOF STEP EDGE ZONE	≤10	23.0	-47.9
	20	22.0	-44.8
	50	21.0	-40.7
	100	20.0	-37.7
	>500	17.0	-30.5
ZONE 4 WALL INTERIOR ZONE	10	20.2	-21.9
	20	19.3	-21.0
	50	18.1	-19.8
	100	17.2	-18.9
	≥500	15.1	-16.8
ZONE 5 WALL EDGE ZONE	10	20.2	-27.0
	20	19.3	-25.2
	50	18.1	-22.8
	100	17.2	-21.0
	≥500	15.1	-16.8
WIDTH OF EDGE STRIP, a= 5.5 FT, b_1= 7.5 FT, b_2= 37.5 FT			
INTERNAL PRESSURE COEFFICIENT = ±0.18			
RELIABLE DEAD LOAD = 8 PSF			

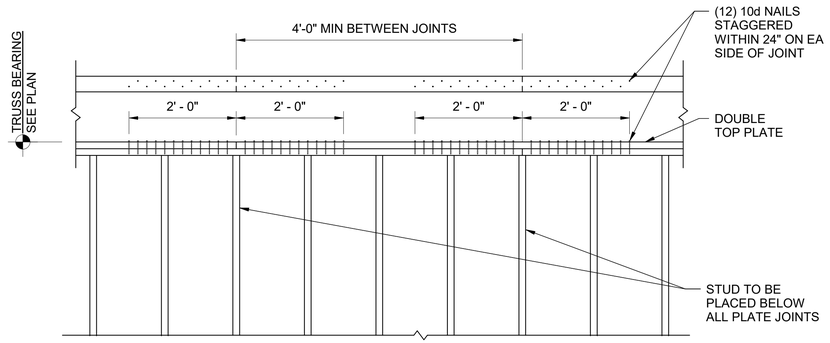


Roof Plan



Wall Elevation

Components and Cladding Wind Pressures

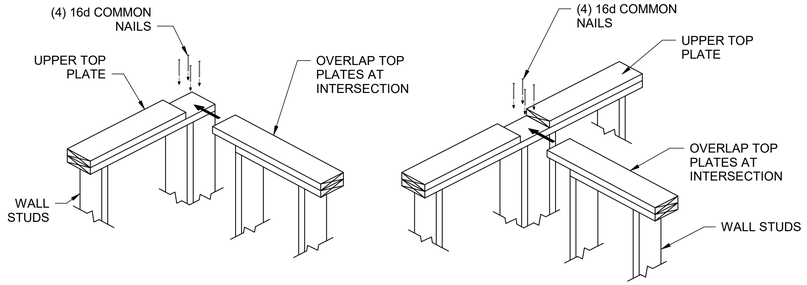


Top Plate Splice at All
Bearing and Shear Walls

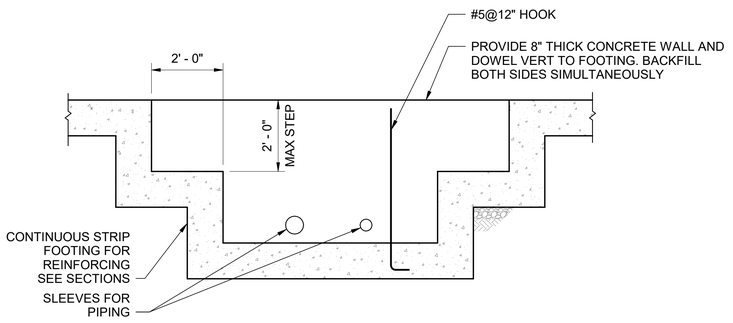
Concrete Tension Lap Splice Lengths

BAR SIZE	f_C = 3000			
	TOP BARS		OTHER BARS	
	A	B	A	B
#3	22"	28"	17"	22"
#4	29"	37"	22"	29"
#5	36"	47"	28"	36"
#6	43"	56"	33"	43"
#7	63"	81"	48"	63"
#8	72"	93"	55"	72"
#9	81"	105"	62"	81"
#10	91"	118"	70"	91"
#11	101"	131"	78"	101"

TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.

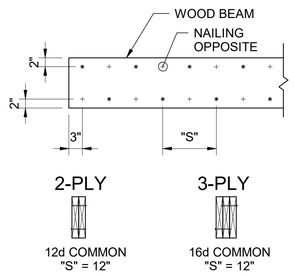


Typical Wall Intersection



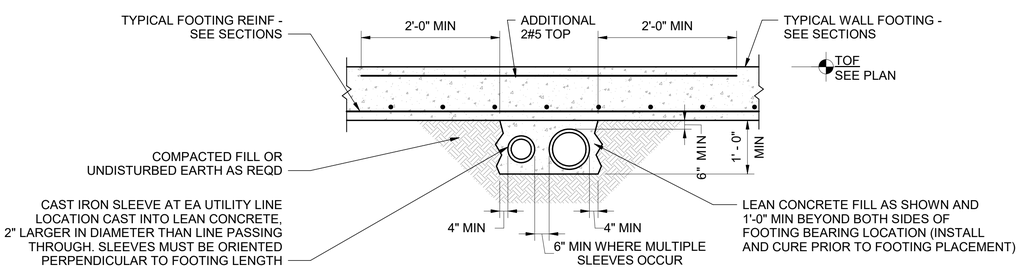
Typical Detail for Stepping Footing Down at Utilities

NOTES:
1. STEP FOOTING DOWN AS REQUIRED TO KEEP FOOTING BELOW PIPING. FOR LOCATION, SEE FOUNDATION PLANS. FOR LOCATION NOT SHOWN ON FOUNDATION PLANS, SEE PLUMBING PLANS.
2. CONTRACTOR'S OPTION TO PASS UTLITIES BELOW WALL FOOTINGS IN LIEU OF THIS DETAIL.
3. DO NOT STEP COLUMN FOOTINGS DOWN.



Multi-Ply Beam Fastening

NOTE:
1. FOR 2-PLY AND 3-PLY SAWN LUMBER, PROVIDE 1/2" PLYWOOD FLITCH PLATES BETWEEN EACH PLY AT DROPPED BEAMS/HEADERS. DO NOT PROVIDE FLITCH PLATES FOR BEAMS BEING SUPPORTED BY HANGERS.



Typical Detail for Utilities Passing Below Wall Footings

1. CONTRACTOR'S OPTION TO STEP FOOTINGS BELOW UTILITIES IN LIEU OF THIS DETAIL.
2. COORDINATE UTILITY LOCATIONS W/ CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
3. UTILITIES SHALL NOT PASS BELOW COLUMN FOOTINGS.

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LBYD, Inc.
Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
Project No. 134142.001
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BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

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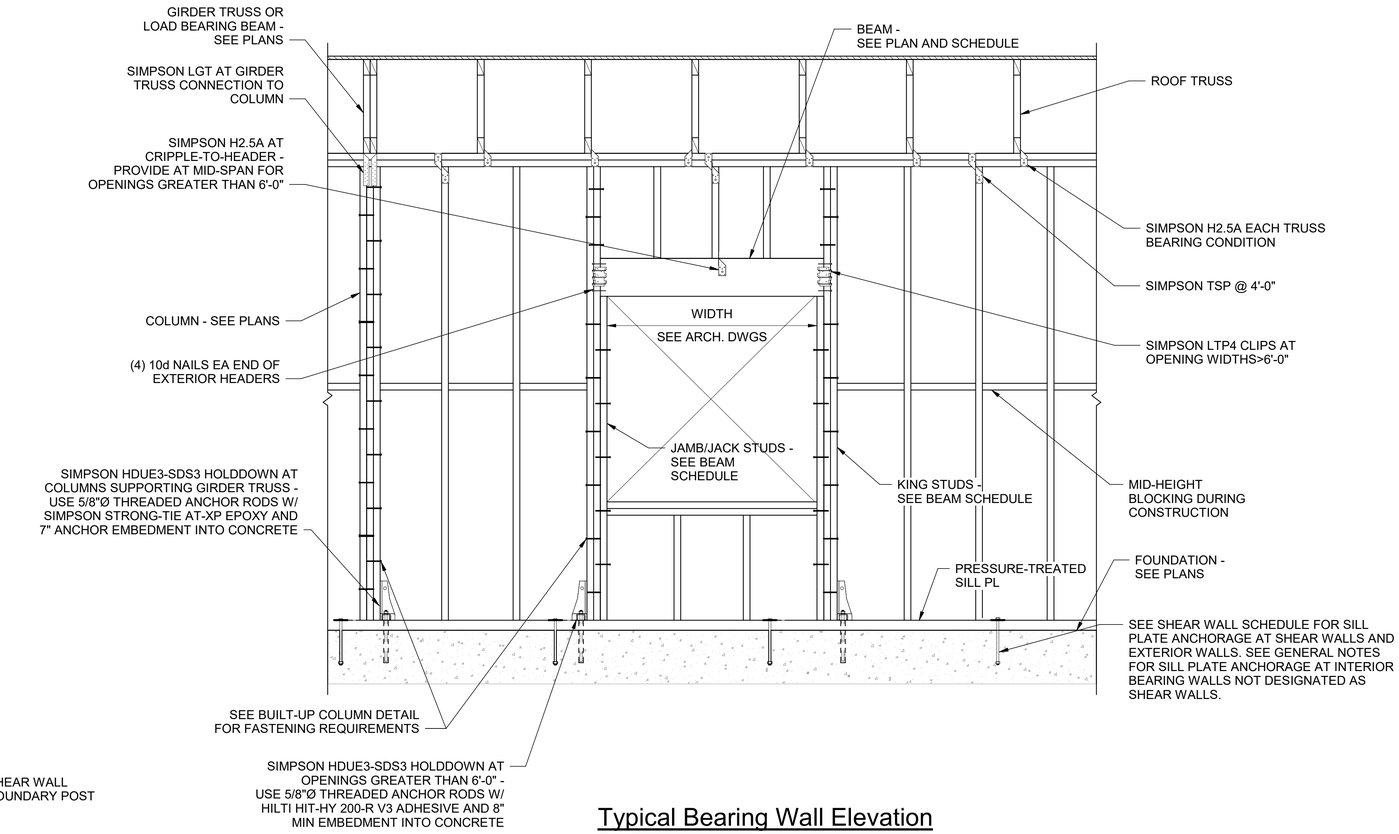
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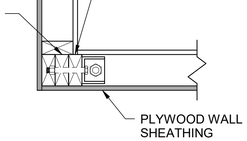
JOB NO.
25055

DESCRIPTION:
TYPICAL DETAILS

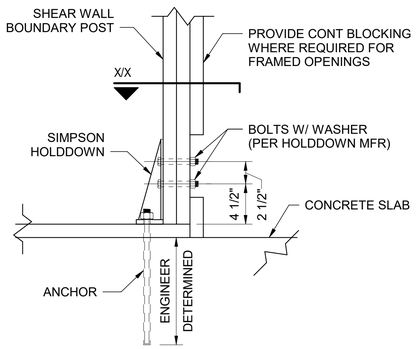
SHEET
S1.6



Typical Bearing Wall Elevation

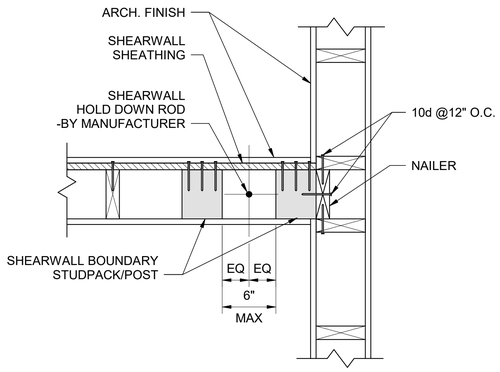


X Section
1 1/2"=1'-0"

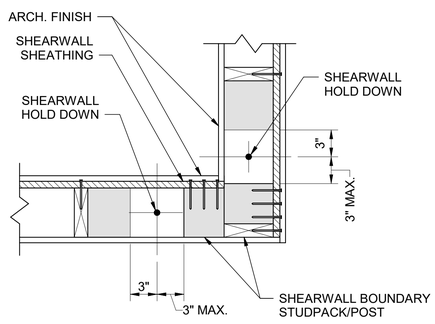


Shear Wall Anchor Detail
1 1/2"=1'-0"

TYPICAL AT EACH END OF ALL PLYWOOD SHEAR WALLS.



Shearwall/Interior Wall Intersection



Shearwall/Interior Corner Intersection

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PROFESSIONAL
ENGINEER
WILLIAM W. WHITTAKER

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Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
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ARCHITECTURE
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256.689.0238
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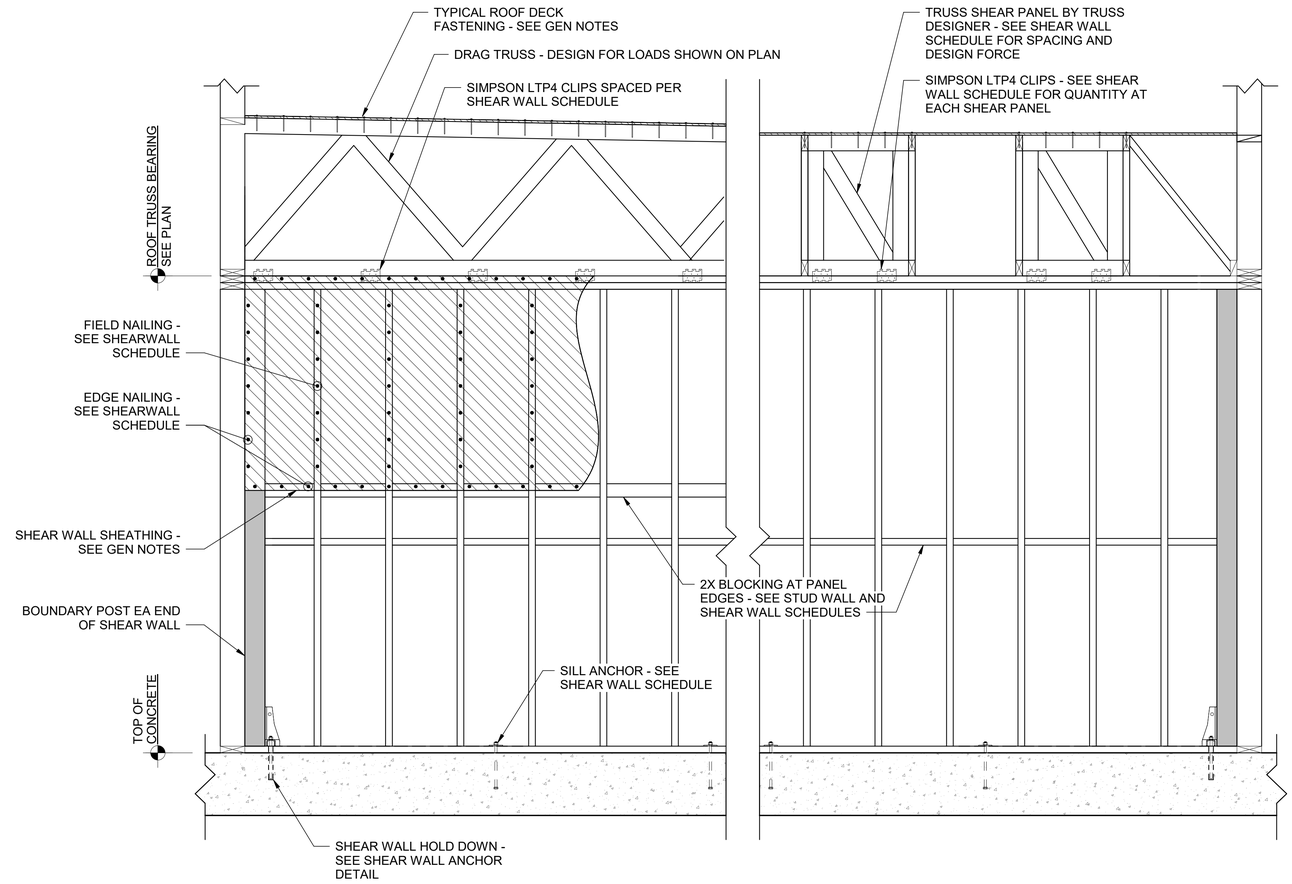
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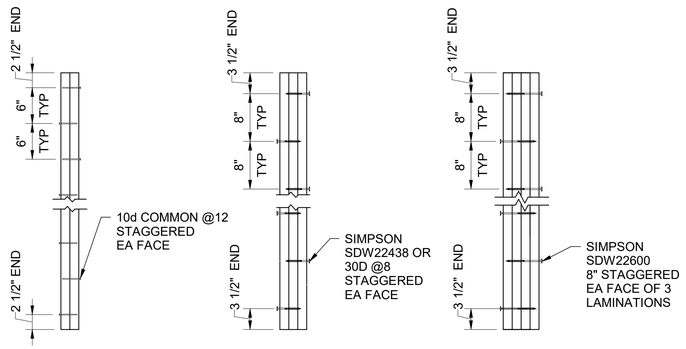
JOB NO.
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DESCRIPTION:
TYPICAL DETAILS

SHEET
S1.7

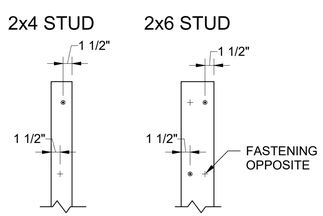


Typical Shear Wall Elevation

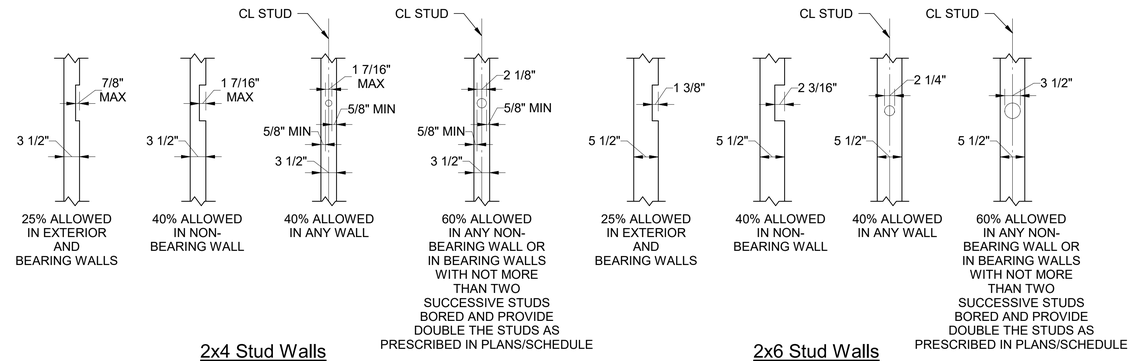


2-Laminations | 3-Laminations | 4-Laminations (2x6 Only)

Built-Up Freestanding Column Fastening



Face View



2x4 Stud Walls | 2x6 Stud Walls

Allowable Framing Notch/Bored Hole Detail Per IBC, Ch. 23

NOTES:
1. IF OUTER EDGE OR BORED HOLE FOR PLUMBING OR ANY PIPING IS LESS THAN 1 1/2" FROM STUD EDGE, PROVIDE SIMPSON NS1. NO EDGE OF BORED HOLE SHALL BE LESS THAN 5/8" FROM STUD EDGE (NO EXCEPTIONS).
2. WHERE PLUMBING LINES OR PIPING PENETRATES TOP OF SOLE PLATES, PROVIDE MINIMUM OF 16 GAUGE x 1 1/2" WIDE PLATE FASTENED TO EACH PLATE ACROSS AND TO EACH SIDE OF OPENING WITH NO LESS THAN (6) 16d NAILS.
3. BORED HOLES AND NOTCHES SHALL NOT OCCUR WITHIN SAME CROSS SECTION ALONG ANY LENGTH OF STUD.

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Wood Framing - Fastening Schedule

CONNECTION	FASTENING [a,m]	FASTENING
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
2. BRIDGING TO JOIST	2 - 8d COMMON 2 - 3"x0.131" NAILS 2 - 3" 14 GAGE STAPLES	TOENAIL EACH END
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d COMMON	FACE NAIL
4. WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST	3 - 8d COMMON	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2 - 16d COMMON	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	16d AT 16" OC 3"x0.131" NAILS @ 8" OC 3" 14 GAGE STAPLES @ 12" OC 3 - 16d @ 16" OC 4 - 3"x0.131" NAILS @ 16" 4 - 3" 14 GAGE STAPLES PER 16"	TYPICAL FACE NAIL BRACED WALL PANELS
7. TOP PLATE TO STUD	2 - 16d COMMON 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
8. STUD TO SOLE PLATE	4 - 8d COMMON 4 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES 2 - 16d COMMON 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL END NAIL
9. DOUBLE STUDS	16d @ 24" OC 3"x0.131" NAILS @ 8" OC 3" 14 GAGE STAPLES 8" OC	FACE NAIL
10. DOUBLE TOP PLATES DOUBLE TOP PLATES	16d @ 16" OC 3"x0.131" NAILS @ 12" OC 3" 14 GAGE STAPLES @ 12" OC 8 - 16d COMMON 12 - 3"x0.131" NAILS 12 - 3" 14 GAGE STAPLES	TYPICAL FACE NAIL LAP SPLICE
11. BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE	3 - 8d COMMON 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
12. RIM JOIST TO TOP PLATE	8d @ 6" OC 3"x0.131" NAILS @ 6' OC 3" 14 GAGE STAPLES @ 6' OC	TOENAIL
13. TOP PLATES, LAPS AND INTERSECTIONS	2 - 16d COMMON 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON	16" OC ALONG EDGE
15. CEILING JOIST TO PLATE	3 - 8d COMMON 5 - 3"x0.131" NAILS 5 - 3" 14 GAGE STAPLES	TOENAIL
16. CONTINUOUS HEADER TO STUD	4 - 8d COMMON	TOENAIL
17. CEILING JOIST, LAP OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON MINIMUM, TABLE 2308.10.4.1 4 - 3"x0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
18. CEILING JOIST TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON MINIMUM, TABLE 2308.10.4.1 4 - 3"x0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1)	3 - 8d COMMON 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d COMMON 2 - 3"x0.131" NAILS 2 - 3" 14 GAGE STAPLES	FACE NAIL
21. 1"x8" SHEATHING TO EACH BEARING WALL	2 - 8d COMMON	FACE NAIL
22. WIDER THAN 1"x8" SHEATHING TO EACH BEARING	3 - 8d COMMON	FACE NAIL
23. BUILT-UP CORNER STUDS	16d COMMON 3"x0.131" NAILS 3" 14 GAGE STAPLES	24" OC 16" OC 16" OC
24. BUILT-UP GIRDER AND BEAMS	20d COMMON 32" OC 3"x0.131" NAIL @ 24" OC 3" 14 GAGE STAPLES @24" OC 2 - 20d COMMON 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3 - 10d COMMON 4 - 3"x0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
27. JACK RAFTER TO HIP	3 - 10d COMMON 4 - 3"x0.131" NAILS 4 - 3" 14 GAGE STAPLES 2 - 16d COMMON 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL FACE NAIL

Wood Framing - Fastening Schedule

CONNECTION	FASTENING [a,m]	FASTENING
28. ROOF RAFTER TO 2-BY RIDGE BEAM	2 - 16d COMMON 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES 2 - 16d COMMON 3 - 3"x0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOENAIL FACE NAIL
29. JOIST TO BAND JOIST	3 - 16d COMMON 5 - 3"x0.131" NAILS 5 - 3" 14 GAGE STAPLES	FACE NAIL
30. LEDGER STRIP	3 - 16d COMMON 4 - 3"x0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD: SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING): SINGLE FLOOR (COMBINATION SUBFLOOR-TO FRAMING):	1/2" AND LESS — 6d [c,1]; 2 3/8"x0.113" NAIL[n]; 1 3/4" 16 GAGE[o] 19/32" TO 3/4" — 8d[d] OR 6d[e]; 2 3/8"x0.113" NAIL[p]; 2" 16 GAGE[o] 7/8" TO 1" — 8d[c] 1 1/8" TO 1 1/4" — 10d[d] OR 8d[e] 3/4" AND LESS — 6d[e] 7/8" TO 1" — 8d[e] 1 1/8" TO 1 1/4" — 10d[d] OR 8d[e]	
32. PANEL SIDING (TO FRAMING)	1/2" AND LESS — 6d [f] 5/8" — 8d [f]	
33. FIBERBOARD SHEATHING:[g]	1/2" — NO. 11 GAGE ROOFING NAIL [h]; 6d COMMON NAIL; NO. 16 GAGE STAPLE[i] 25/32" — NO. 11 GAGE ROOFING NAIL [h]; 8d COMMON NAIL; NO. 16 GAGE STAPLE[i]	
34. INTERIOR PANELING	1/4" — 4d [j] 3/8" — 6d [k]	

FOR SI: 1 INCH = 25.4 mm.
a. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
b. NAILS SPACED AT 6 INCHES ON CENTER AT EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES AT SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALL, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING.
c. COMMON OR DEFORMED SHANK.
d. COMMON.
e. DEFORMED SHANK
f. CORROSION-RESISTANT SIDING OR CASING NAIL.
g. FASTENERS SPACED 3 INCHES ON CENTER AT EXTERIOR EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE SUPPORTS.
h. CORROSION-RESISTANT ROOFING NAILS WITH 7/16 INCH DIAMETER HEAD AND 1 1/2 INCH LENGTH FOR 1/2 INCH SHEATHING AND 1 3/4 INCH LENGTH FOR 25/32 INCH SHEATHING.
i. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16 INCH CROWN AND 1 1/8" LENGTH FOR 1/2 INCH SHEATHING AND 1 1/2 INCH LENGTH FOR 25/32 INCH SHEATHING. PANEL SUPPORTS AT 16 INCHES (20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).
j. CASING AND FINISH NAILS SPACED 6 INCHES ON PANEL EDGES. 12 INCHES AT INTERMEDIATE SUPPORTS.
k. PANEL SUPPORTS AT 24 INCHES. CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS. OTHERWISE MARKED).
j. CASING AND FINISH NAILS SPACED 6 INCHES ON PANEL EDGES. 12 INCHES AT INTERMEDIATE SUPPORTS.
k. PANEL SUPPORTS AT 24 INCHES. CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.
l. FOR ROOF SHEATHING APPLICATIONS, 8d NAILS ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
m. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16 INCH.
n. FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.
o. FASTENERS SPACED 4 INCHES ON CENTER EDGES, 8 INCH AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3 INCHES ON CENTER AT EDGES, 6 INCHES AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.
p. FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.

LBYD, Inc.
Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
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ARCHITECTURE
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DESCRIPTION:
TYPICAL DETAILS

SHEET
S1.8

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WILLIAM A. WHITTAKER

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Shear Wall Requirements

SHEAR WALL TYPE	SHEATHING THICKNESS	SHEATHING FACES	SHEATHING EDGE FASTENING	SHEATHING FIELD FASTENING	BLOCKED PANEL EDGE THICKNESS	BOTTOM PLATE CONNECTION			SHEAR PANEL TRUSS/ 2x TRUSS BLOCKING			SHEAR DRAG/ LADDER TRUSS	
						WOOD BOTTOM PLATE 16d COMMON x 3.5" LENGTH	CONCRETE SILL PLATE ATTACHMENT (INT WALL)	CONCRETE SILL PLATE ATTACHMENT (EXT WALL)*	SHEAR PANEL TRUSS SPACING	LTP4 CLIPS PER SHEAR TRUSS PANEL/TRUSS BLOCKING	DESIGN FORCE*	DESIGN FORCE*	LTP4 CLIP SPACING
P-1	7/16" OR 15/32" OSB OR PLYWOOD	1	8d@6"	8d@12"	2" NOMINAL	8" OC	1/2" Ø @ 40" (6" EMBED)	MASA @48" OC	4'-0" OC	3	2000 LBS	500 LBS/FT	1'-4" OC
P-2	7/16" OR 15/32" OSB OR PLYWOOD	1	8d@2"	8d@12"	2" NOMINAL	3" OC	1/2" Ø @ 16" (6" EMBED)	MASA @18" OC	4'-0" OC	2	1350 LBS	330 LBS/FT	2'-0" OC

SHEAR WALL SCHEDULE NOTES:

S.1 BLOCKED EDGES SHALL BE BLOCKED AT VERTICAL AND HORIZONTAL JOINTS. BLOCKING WIDTH/DEPTH SHALL MATCH WALL TYPE.
S.2 SHEAR LADDER TRUSSES CAN BE USED AT SHEAR WALLS THAT DO NOT BEAR ON FLOOR TRUSSES.
S.3 SHEAR PANEL TRUSSES ARE REQUIRED OVER SHEAR WALLS WHERE FLOOR TRUSSES BEAR ON SHEAR WALLS AND A CONTINUOUS LADDER TRUSS CANNOT BE INSTALLED. SHEAR PANELS ARE INSTALLED BETWEEN FLOOR TRUSSES BEARING ON WALL.
S.4 SHEAR PANELS AND BOTTOM PLATE FASTENING IS DETERMINED BASED ON THE SHEAR WALL TYPE FOR WALL DIRECTLY BELOW.
S.5 * DENOTES THE DESIGN FORCE THAT THE SHEAR PANEL TRUSS OR SHEAR LADDER TRUSS MUST MEET OR EXCEED (BY MFR).
S.6 + CONTRACTOR'S OPTION TO USE 1/2"Ø ANCHORS AT THE SPACINGS AND EMBEDMENT LISTED FOR INTERIOR WALLS AT EXTERIOR WALLS INSTEAD OF SIMPSON MASA ANCHORS.
S.7 FOR ALL EXTERIOR STUD WALLS NOT DESIGNATED AS SHEAR WALLS, PROVIDE SHEATHING, BLOCKING, AND ANCHORAGE PER SHEAR WALL TYPE P-2 IN THE SHEAR WALL SCHEDULE.

Shear Wall Foundation Anchorage

ANCHOR NOTATION	ANCHOR TYPE	BOUNDARY STUDS/POSTS
R-1	SIMPSON HDUE9-SDS3 W/ HIT-HY 200-R V3 ADHESIVE W/ 5/8 " THREADED ROD (12" MIN EMBEDMENT)	(2) 2x6

Shear Wall Schedule

FLOOR LEVEL	DESIGNATION	
	SW1 -	SW2 -
ROOF	P-1	P-2

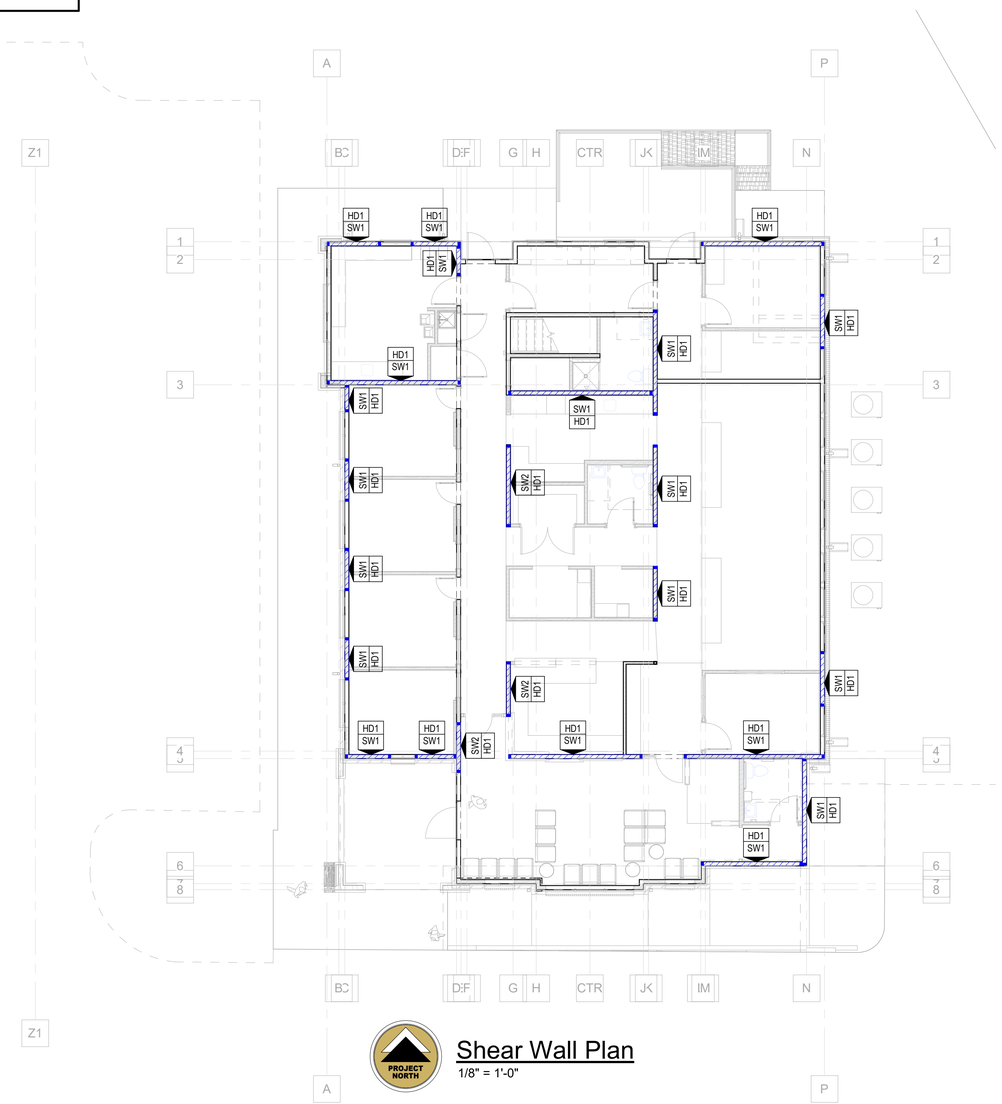
NOTE: WALL STARTS AT NOTED LEVEL AND SPANS TO LEVEL BELOW, UNLESS NOTED.

Shear Wall Hold Down Schedule

FLOOR LEVEL	DESIGNATION
	- HD1
ROOF	R-1

Bearing Wall Schedule

DESIGNATION	WALL STUDS
BW-1	2x6 @ 16



PROJECT NORTH

Shear Wall Plan

1/8" = 1'-0"

LBYD, Inc.
Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Phone (205) 251-4500
Project No. 134142.001

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ARCHITECTURE
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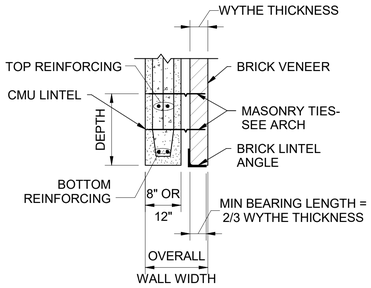
DESCRIPTION:
SHEAR WALL PLAN

SHEET
S1.9

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Masonry Lintel Schedule

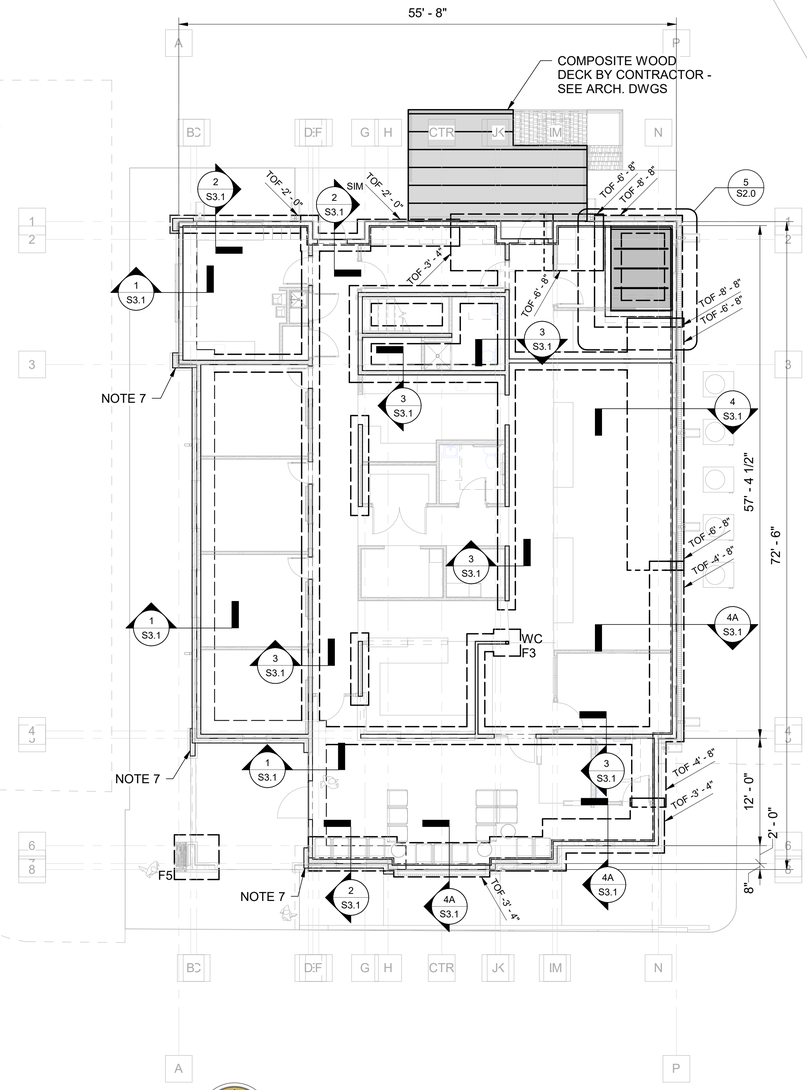
MAXIMUM OPENING WIDTH	BRICK LINTEL ANGLE	CMU LINTEL DIMENSIONS AND REINFORCING	
		DEPTH	8" WALL
2'-0"	L3 1/2x3 1/2x3/8	8	1#4 BOT
4'-0"	L3 1/2x3 1/2x3/8	8	1#4 BOT
6'-0"	L3 1/2x3 1/2x3/8	8	1#5 BOT & 1#4 TOP
8'-0"	L5x3 1/2x3/8	16	1#6 BOT & 1#5 TOP
10'-0"	L5x3 1/2x3/8	16	1#7 BOT & 1#5 TOP

1. DO NOT USE THIS SCHEDULE IF CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL, OR IF STACK BOND IS SPECIFIED.
2. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.

Masonry Lintel Detail and Schedule

Structural Foundation Schedule

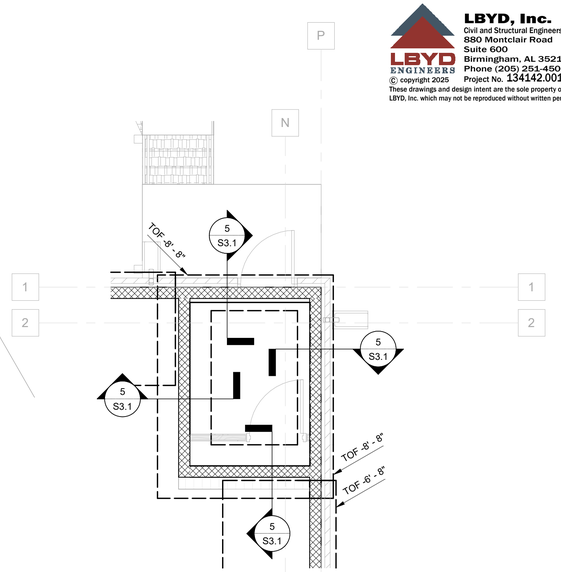
DESIGNATION	LENGTH	WIDTH	THICKNESS	TOP REINF	BOTTOM REINF	NOTES
F3	3' - 0"	3' - 0"	1' - 0"	---		
F5	5' - 0"	5' - 0"	1' - 2"	5#5	5#5	



Foundation Plan

1/8" = 1'-0"

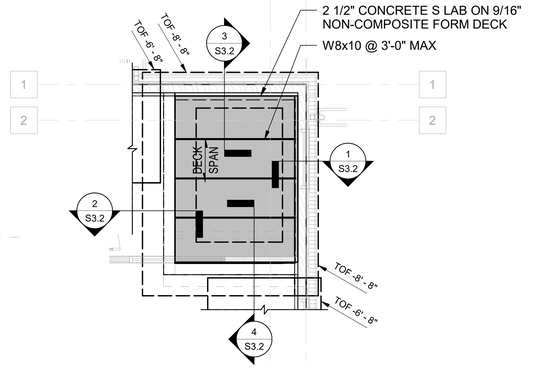
1. FINISH FLOOR (TOP OF SLAB) ELEVATION: 0'-0", UNLESS NOTED.
2. TOP OF INTERIOR FOOTING 0'-0" BELOW FINISH FLOOR, UNLESS NOTED.
3. TOP OF EXTERIOR FOOTING -2'-0" BELOW FINISH FLOOR, UNLESS NOTED.
4. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
5. FOOTING STEP ELEVATIONS AND LOCATION ARE APPROXIMATE. GENERAL CONTRACTOR SHALL COORDINATE ALL FOOTING STEPS WITH CIVIL, PLUMBING AND UTILITY DRAWINGS.
6. ALL WALLS SHOWN ON THIS PLAN ARE 2x6 @16" WOOD FRAMED WALLS.
7. EXTEND THICKENED SLAB AS REQUIRED TO SUPPORT WALL AND VENEER. CONTRACTOR COORDINATE.



Basement Plan

1/4" = 1'-0"

NOTES:
1. FINISH FLOOR (TOP OF SLAB) ELEVATION: -8'-0".
2. TOP OF FOOTING: SEE PLAN.



Enlarged Basement Framing Plan

1/4" = 1'-0"

NOTES:
1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. FLOOR SYSTEM: 2 1/2" CONCRETE SLAB ON 9/16" NON-COMPOSITE STEEL FORM DECK (3" TOTAL). SEE GENERAL NOTES.

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Civil and Structural Engineers
880 Montclair Road
Suite 600
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236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
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DESCRIPTION:
FOUNDATION PLAN

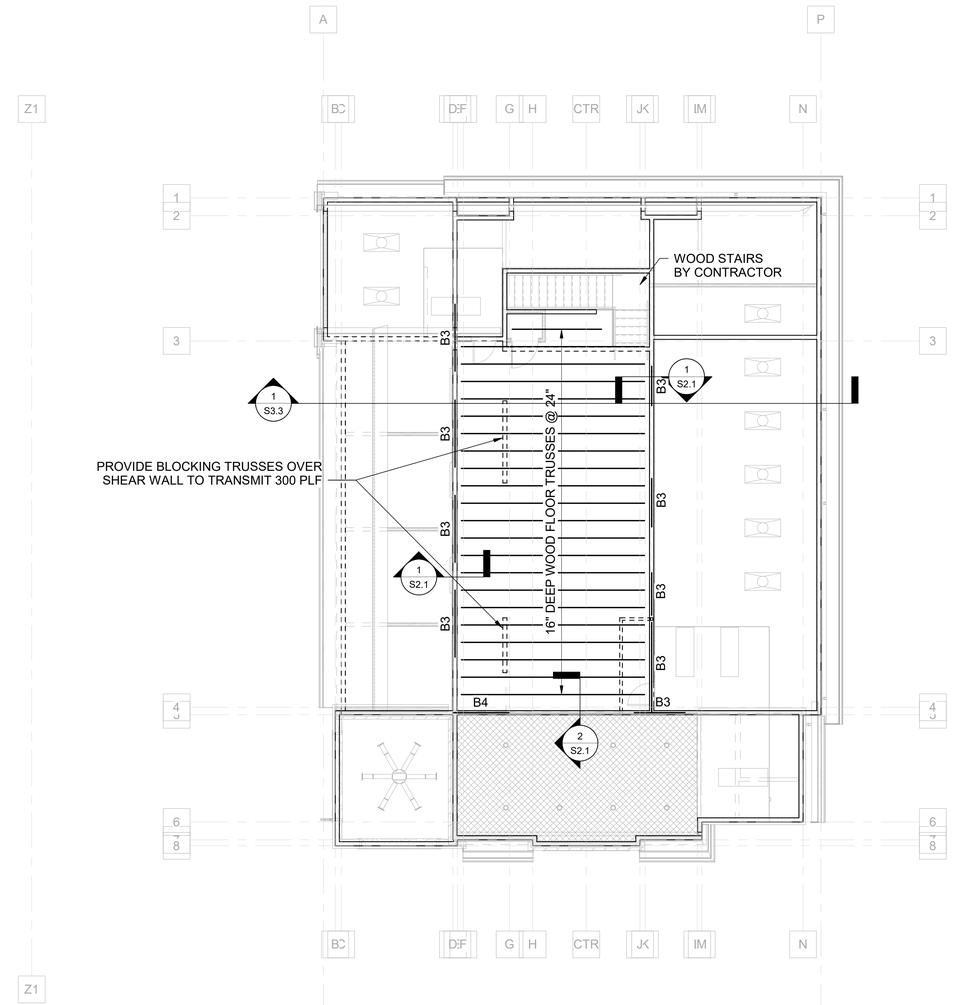
SHEET
S2.0

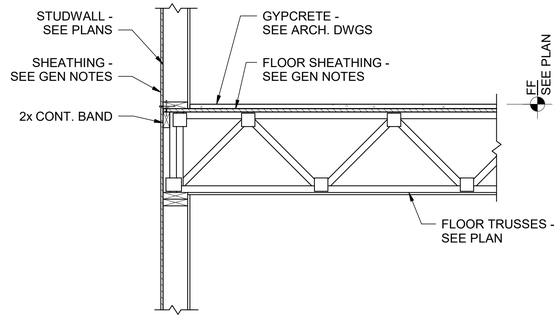
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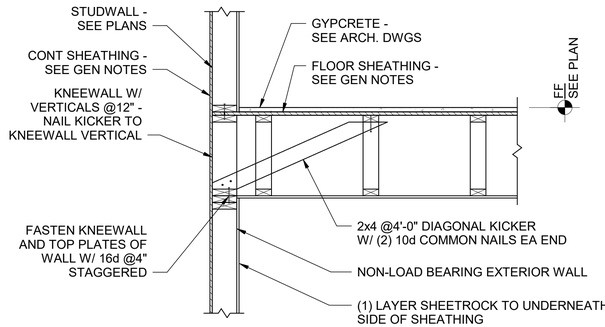
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1 Section
S2.1 3/4" = 1'-0"



2 Section
S2.1 3/4" = 1'-0"

PROJECT NORTH

Mezzanine Framing Plan
1/8" = 1'-0"

1. FINISH FLOOR ELEVATION: 11'-4 3/4".
2. PLAN SHOWS FRAMING REQUIREMENTS TO SUPPORT INDICATED LEVEL WITH ARCHITECTURAL PLAN OF LEVEL BELOW SUPERIMPOSED.
3. "Cx" BUILT-UP COLUMN OR POST, SEE SCHEDULE WHERE "Cx" IS NOT SHOWN IN PLAN, SEE KING & JAMB SCHEDULE BELOW FOR BEAM/HEADER SUPPORT REQUIREMENTS.
4. FLOOR TRUSSES: 16" DEEP BOTTOM-CHORD BEARING SPACED AT 2'-0", UNLESS NOTED.
5. "Bx" DENOTES DROP BEAM.
7. PROVIDE TRUSS DIRECTLY ABOVE NON-LOAD BEARING WALLS WHERE TRUSSES SPAN PARALLEL WITH WALL.

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ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
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DESCRIPTION:
MEZZANINE
FRAMING PLAN

SHEET
S2.1

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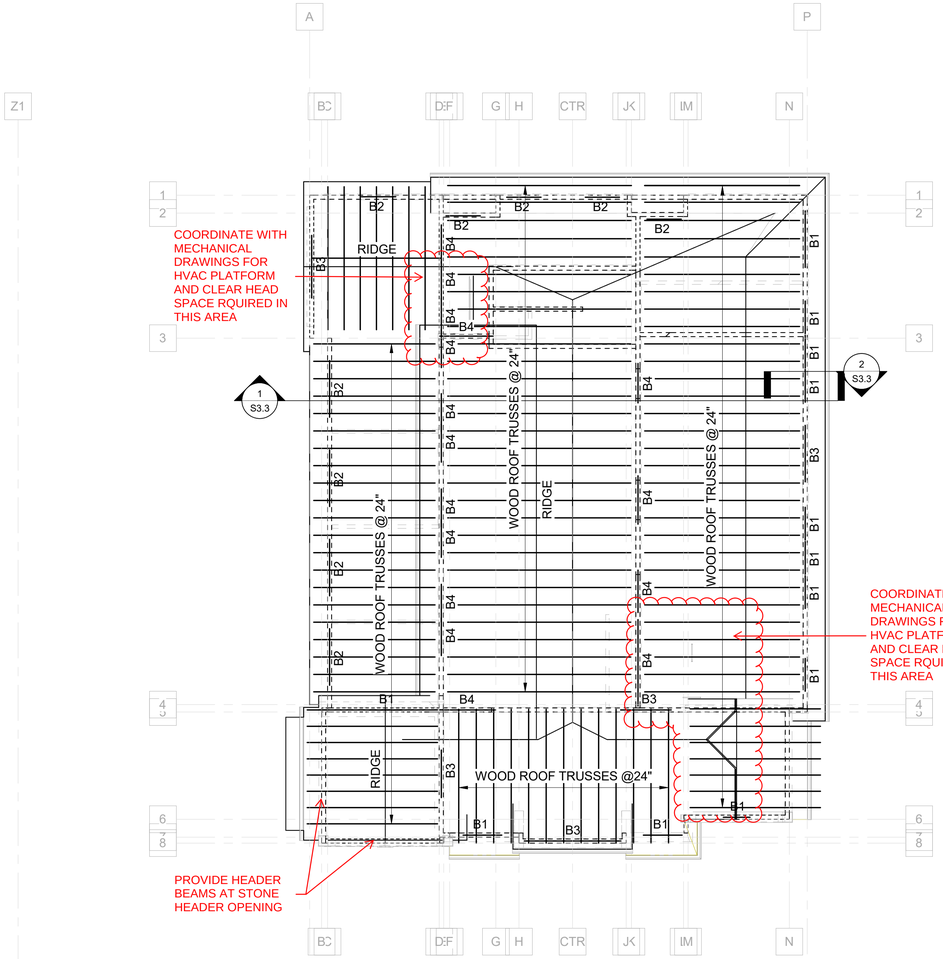
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Wood Beam Schedule

DESIGNATION	BEAM MEMBERS	JACK STUDS	KING STUDS
B1	(3) 2x8	(1) 2x6	(3) 2x6
B2	(3) 2x10	(2) 2x6	(3) 2x6
B3	(3) 2x12	(2) 2x6	(3) 2x6
B4	(3) 1 3/4x14 LVL	(2) 2x6	(3) 2x6

BEAM SCHEDULE NOTES:
B.1 "Bx" DENOTES BEAM PER SCHEDULE.
B.2 BEAMS SHALL NOT BE NOTCHED AT BEARING CONDITION.
B.3 BEAMS SHALL NOT BE BORED OR DAMAGED FOR INSTALLATION OF MECHANICAL OR PLUMBING SYSTEMS WITHOUT APPROVAL OF STUCTURAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
B.4 SEE TYPICAL DETAIL FOR FASTENING REQUIREMENTS OF MULTI-PLY BEAMS.
B.5 SEE TYPICAL BEARING WALL ELEVATION FOR FRAMING AT OPENINGS.
B.6 PROVIDE LISTED JACK/JAMB AND KING STUDS AT EACH END OF BEAM UNLESS NOTED.
B.7 BEAMS UP TO 4'-0" WIDE NOT SHOWN ON PLAN SHALL BE B1. FOR BEAMS ABOVE 4'-0" NOT SHOWN ON PLAN, CONSULT STRUCTURAL ENGINEER OF RECORD.
B.8 PROVIDE BOTH JACK STUDS AND KING STUDS. JACK STUDS DO NOT REPLACE KING STUDS.
B.9 FASTEN LAMINATIONS PER TYPICAL BUILT-UP COLUMN SCHEDULE.

PROJECT NORTH

Roof Framing Plan

1/8" = 1'-0"
1. ROOF TRUSS BEARING ELEVATION: 12'-0".
2. TRUSS-TO-TRUSS CONNECTIONS SHALL BE PER THE TRUSS DESIGNER/MANUFACTURER.
3. PROVIDE (3) 2x6 BUILT-UP COLUMN AT GIRDER TRUSS SUPPORTS, UNLESS NOTED.
4. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, WEIGHT, AND LOCATION OF ALL MECHANICAL UNITS WITH THE TRUSS MANUFACTURER. EQUIPMENT HANGERS TO BE APPROVED BY TRUSS ENGINEER.
5. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED B THE GENERAL CONTRACTOR WITH THE TRUSS MANUFACTURER. PIPE HANGER DETAILS MUST BE APPROVED BY TRUSS ENGINEER.
6. COORDINATE MECHANICAL OPENINGS WITH MECHANICAL DRAWINGS AND UNIT MANUFACTURER.
7. TRUSS LAYOUT SHOWN IS FOR SCHEMATIC PURPOSES ONLY. ACTUAL TRUSS LAYOUT IS TO BE DETERMINED BY TRUSS ENGINEER. GIRDER TRUSSES MUST NOT BE LOCATED ABOVE WINDOWS OR DOORS.
8. WOOD BLOCKING (2x4 MINIMUM) MUST BE INSTALLED BETWEEN EACH TRUSS AT ALL RIDGES, HIPS, AND VALLEYS. SEE ROOF SHEATHING SUPPORT DETAIL.
9. PROVIDE WOOD SHEATHING ON TRUSSES BELOW OVERBUILDS, TYPICAL. SEE GENERAL NOTES.

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DESCRIPTION:
ROOF FRAMING PLAN

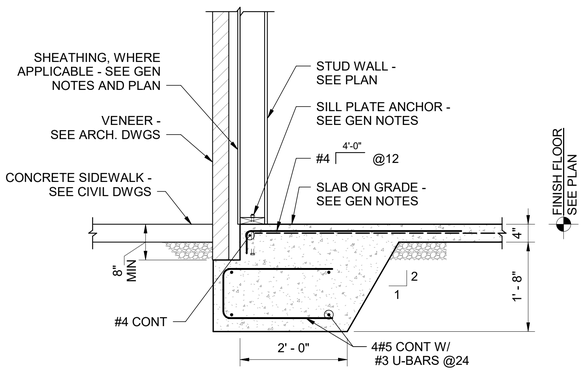
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S2.2

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ENGINEER
WILLIAM A. WHITTAKER

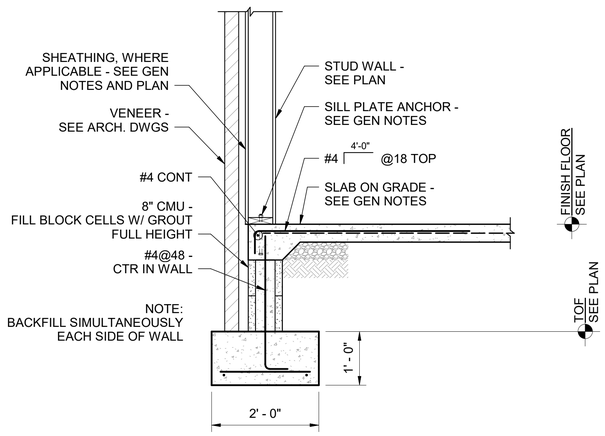
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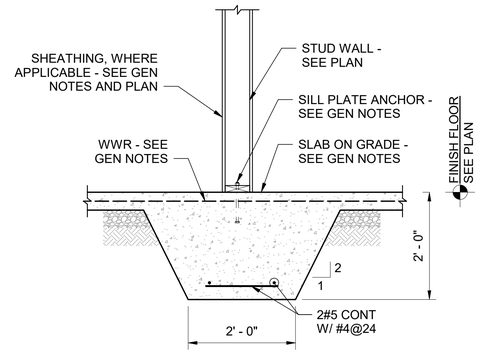
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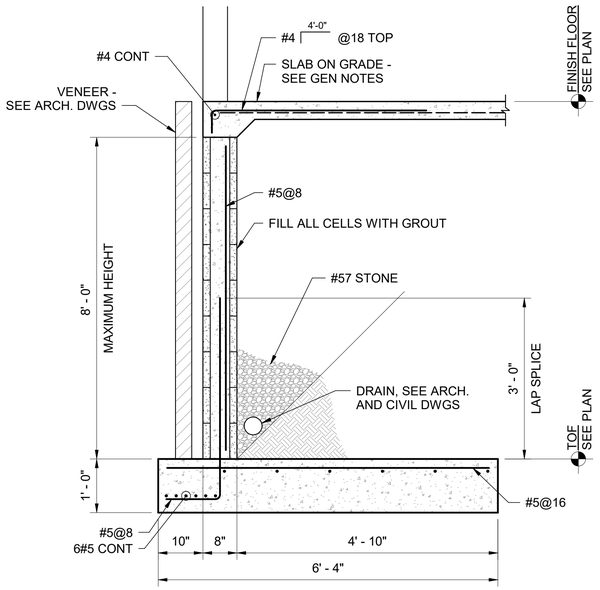
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S3.1 3/4" = 1'-0"



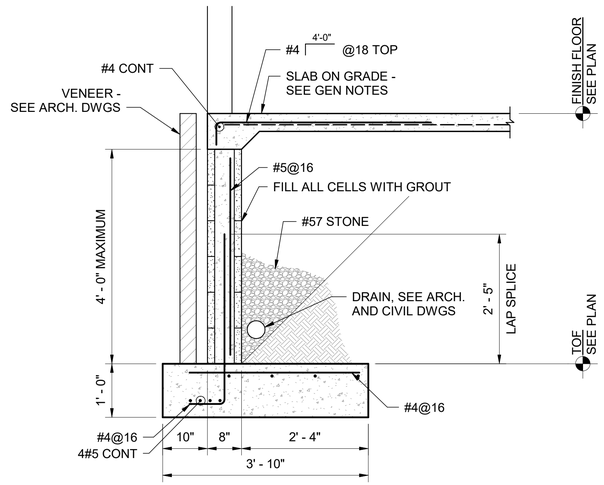
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S3.1 3/4" = 1'-0"



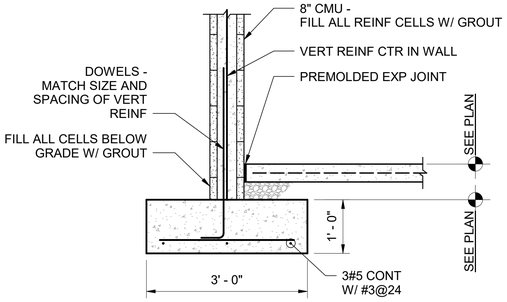
3 Section
S3.1 3/4" = 1'-0"



4 Section
S3.1 3/4" = 1'-0"



4A Section
S3.1 3/4" = 1'-0"



5 Section
S3.1 3/4" = 1'-0"

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ARCHITECTURE
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ANNISTON, ALABAMA 36206
256.689.0238
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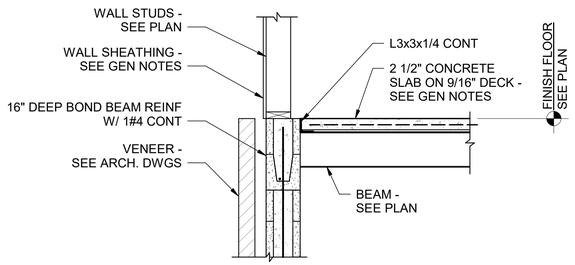
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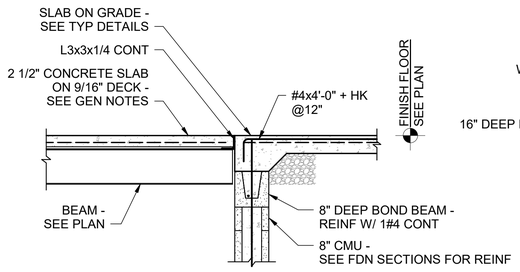
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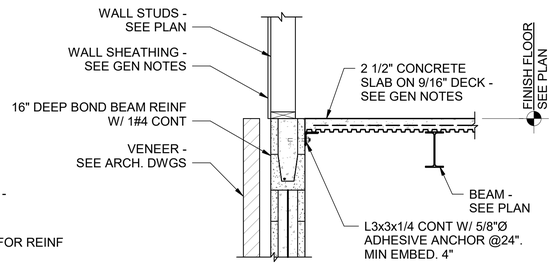
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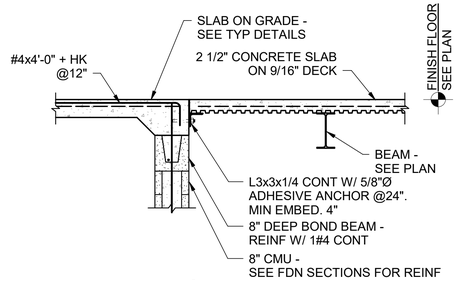
1 Section
S3.2 3/4" = 1'-0"



2 Section
S3.2 3/4" = 1'-0"



3 Section
S3.2 3/4" = 1'-0"



4 Section
S3.2 3/4" = 1'-0"

Bearing Plate Schedule

THICKNESS	WIDTH	LENGTH
3/8"	7 1/2"	7 1/2"

Beam Bearing Detail

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ARCHITECTURE
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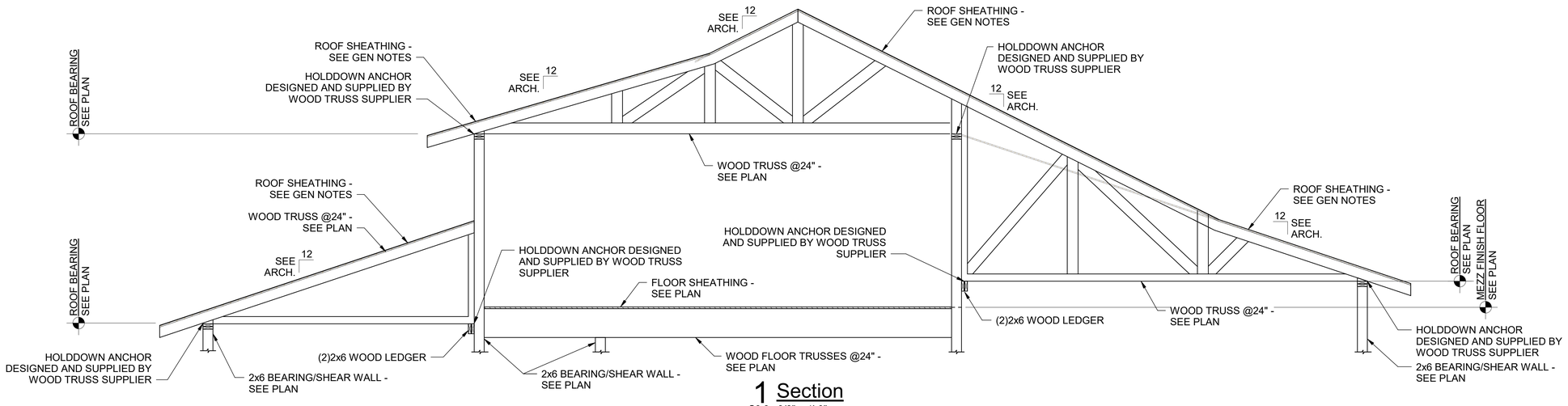
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S3.2

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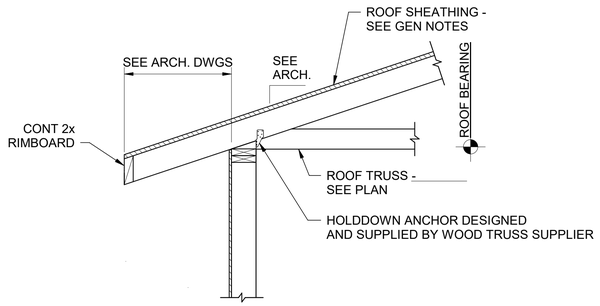
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1 Section
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2 Section
S3.3 3/4" = 1'-0"

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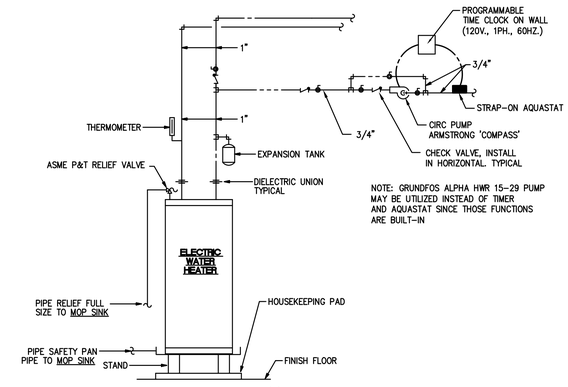
DENTAL EQUIPMENT CONNECTION SCHEDLE

MARK	FIXTURE	OXYGEN	AIR	VACUUM	NIT OXIDE	FILT CW	EVAC	WASTE	REMARKS
D-1	JUNCTION BOX	1/2"	-	3/4"	1/2"	-	-	-	ROUGH & CONNECT, SEE DENTAL EQUIP DWGS FOR LOCATION
D-2	TREATMENT CABINET	-	1/2"	5/8"	-	1/2"	-	-	ROUGH & CONNECT, SEE DENTAL EQUIP DWGS FOR LOCATION
D-3	FILTER/ELECTRIC SHUT-OFF	-	-	-	-	1-1/2"	-	-	ROUGH & CONNECT
D-4	HANDPIECE MAINT. SYSTEM	-	1/2"	-	-	-	-	-	ROUGH & CONNECT
D-5	VACUUM PUMP	-	-	1-1/2"	-	-	-	-	ROUGH & CONNECT
D-6	AIR COMPRESSOR	-	VERIFY	-	-	-	-	-	ROUGH & CONNECT
D-7	ULTRASONIC CLEANER	-	-	-	3/4"	1/2"	-	-	ROUGH & CONNECT PROVIDE BACKFLOW PREVENTER
D-8	MODEL TRIMMER	-	-	-	3/4"	1/2"	-	-	ROUGH & CONNECT PROVIDE BACKFLOW PREVENTER

SEE DENTAL EQUIPMENT PLANS FOR ADDITIONAL EQUIPMENT
FOLLOW ALL DETAILS PROVIDED ON DENTAL EQUIPMENT SUPPLIER'S DRAWINGS.

PLUMBING FIXTURE CONNECTION SCHEDULE

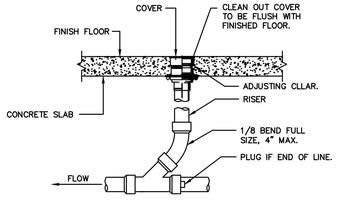
MARK	FIXTURE	WASTE	CW	HW	REMARKS
P-1	WATER CLOSET	3"	1/2"	-	ADA
P-2	LAVATORY	1 1/4"	1/2"	1/2"	ADA WALL HUNG W/ASSE1070 TEMPERATURE LIMITING DEVICE
P-3	STERILIZATION SINK	1 1/2"	1/2"	1/2"	ADA COUNTERTOP
P-4	SINK (LAB)	1 1/2"	1/2"	1/2"	ADA COUNTERTOP W/PLASTER TRAP
P-5	SINK	1 1/2"	1/2"	1/2"	ADA COUNTERTOP
P-6	SINK (BREAKROOM)	1 1/2"	1/2"	1/2"	ADA COUNTERTOP
P-7	EWC	1 1/2"	1/2"	1/2"	ADA HI/LOW
P-8	MOP SINK	3"	1/2"	1/2"	FIAT TSB-100 TERRAZO MOP SINK WITH CHICAGO 897-CP FAUCET, 3" C.I. PTRAP, S/S BACKSLASH AND MOP HANGER
P-9	REFRIGERATOR ICE MAKER	-	1/2"	-	-
P-10	WASHER	3"	1/2"	1/2"	ROUGH AND CONN.
T.P.	TRAP PRIMER	-	1/2"	-	ABOVE CEILING/CONN. TO FD



WATER HEATER 40 GALLON, 9KW, 208/3/60

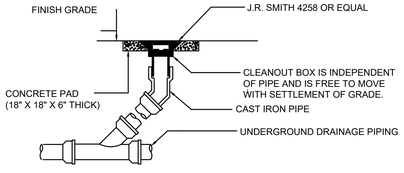
DETAIL OF PIPING AT ELECTRIC WATER HEATER #1

NO SCALE



CLEAN OUT DETAIL

NO SCALE



DETAIL of CLEANOUT to GRADE

NO SCALE

PLUMBING LEGEND

SOIL OR WASTE LINE: SCHEDULE 40 DWV PVC WITH DWV FITTINGS & SOLVENT WELD JOINTS. CAST IRON IN PLENUM AREAS, OR WHERE NOISE WILL BE A PROBLEM, SUCH AS A WASTE STACK.

VENT LINE: SAME AS WASTE LINE.

COLD WATER LINE: HARD COPPER WITH WROUGHT COPPER FITTINGS & JOINTS OF 95–5 LEAD FREE SOLDER & FLUX, INSULATE WITH 1/2" INSULATION & INSTALL ON CLEVIS HANGERS 5'–0" ON CENTERED. PROVIDE 8" LONG SHEET METAL SADDLE CENTERED AT EACH HANGER.

HOT WATER LINE: HARD COPPER WITH WROUGHT COPPER FITTINGS & JOINTS OF 95–5 LEAD FREE SOLDER & FLUX, INSULATE WITH 1–1/2" FIBERGLASS INSULATION & INSTALL ON CLEVIS HANGERS 5'–0" ON CENTERED. PROVIDE 8" LONG SHEET METAL SADDLE CENTERED AT EACH HANGER.

S — STORM LINE: PVC PLASTIC.

G — GAS LINE: BLACK STEEL PIPE, SCHEDULE 40, ASTM A–53.

GAS COCK

BALL VALVE: WATTS 6080 FULL PORT.

FD — FLOOR DRAIN: PVC PLASTIC FLOOR DRAIN WITH BRONZE GRATE

WH — WALL HYDRANT: JR SMITH #5509–OT

ABV	ABOVE
WS	WASTE STACK
SS	SOIL STACK
VS	VENT STACK
VSTR	VENT STACK THRU ROOF
CW	COLD WATER
HW	HOT WATER
EX	EXISTING

NEW CONN TO EXIST

UNION

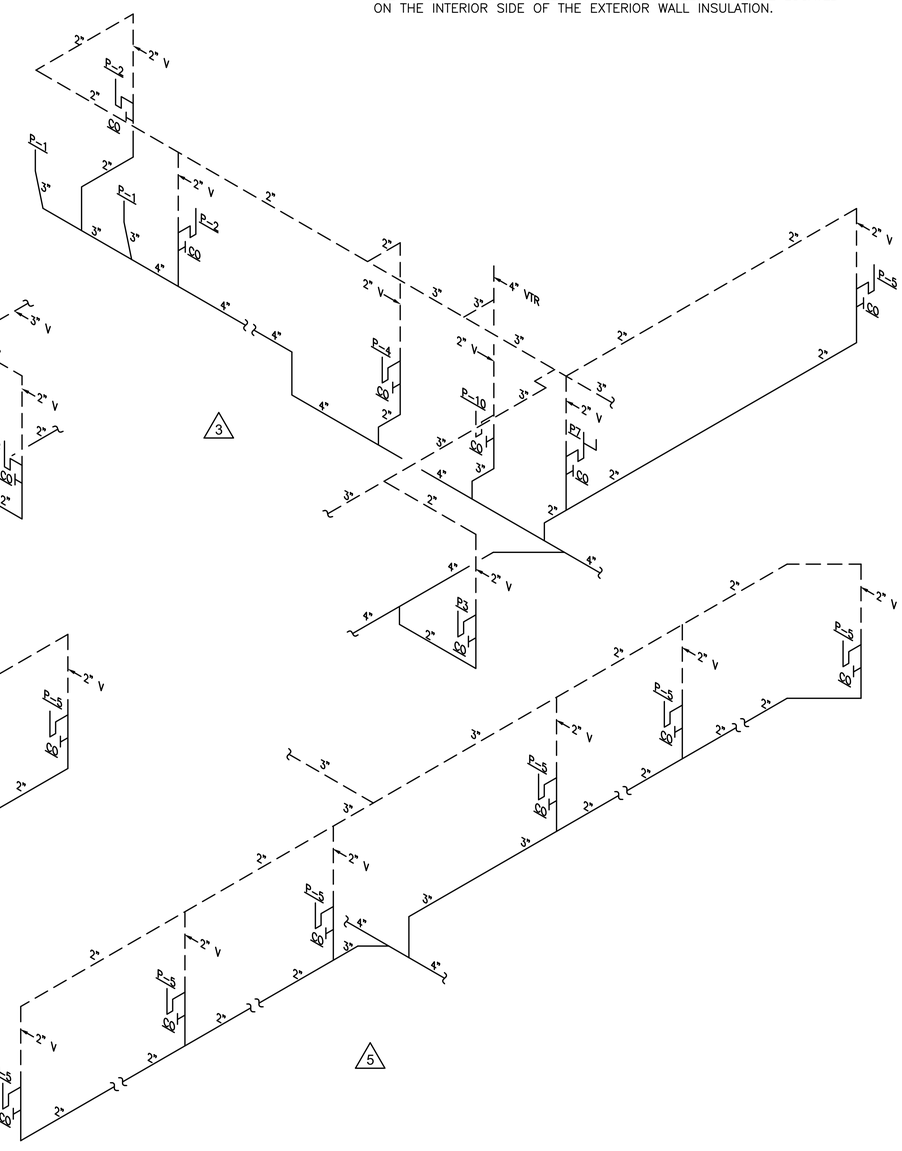
PIPE TURNING UP

PIPE TURNING DOWN

P TRAP

PLUMBING GENERAL NOTES

1. CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE AND ELEVATION OF ALL EXISTING SERVICES PRIOR TO INSTALLING ANY NEW PIPE.
2. ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18"x18"x6" THICK CONCRETE PAD. (J.R. SMITH 4258 OR EQUAL.)
3. WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC UNION SHALL BE USED.
4. ALL HORIZONTAL WATER, GAS AND VENT PIPING IS RUN ABOVE CEILING ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.
5. ALL HORIZONTAL SANITARY PIPING IS RUN BELOW FLOOR ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.
6. ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
7. COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL FEATURES OF BUILDING.
8. ALL RUNNING TRAP CLEANOUTS SHALL BE EXTENDED UP THRU FLOOR SLAB WITH C.O. COVER.
9. ALL WALL HYDRANTS AND HOSE BIBBS SHALL BE MOUNTED 24" ABOVE FINISH FLOOR UNLESS OTHERWISE NOTED.
10. ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE EXTERIOR WALL INSULATION.



BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

PREPARED FOR
RFI BUILDERS

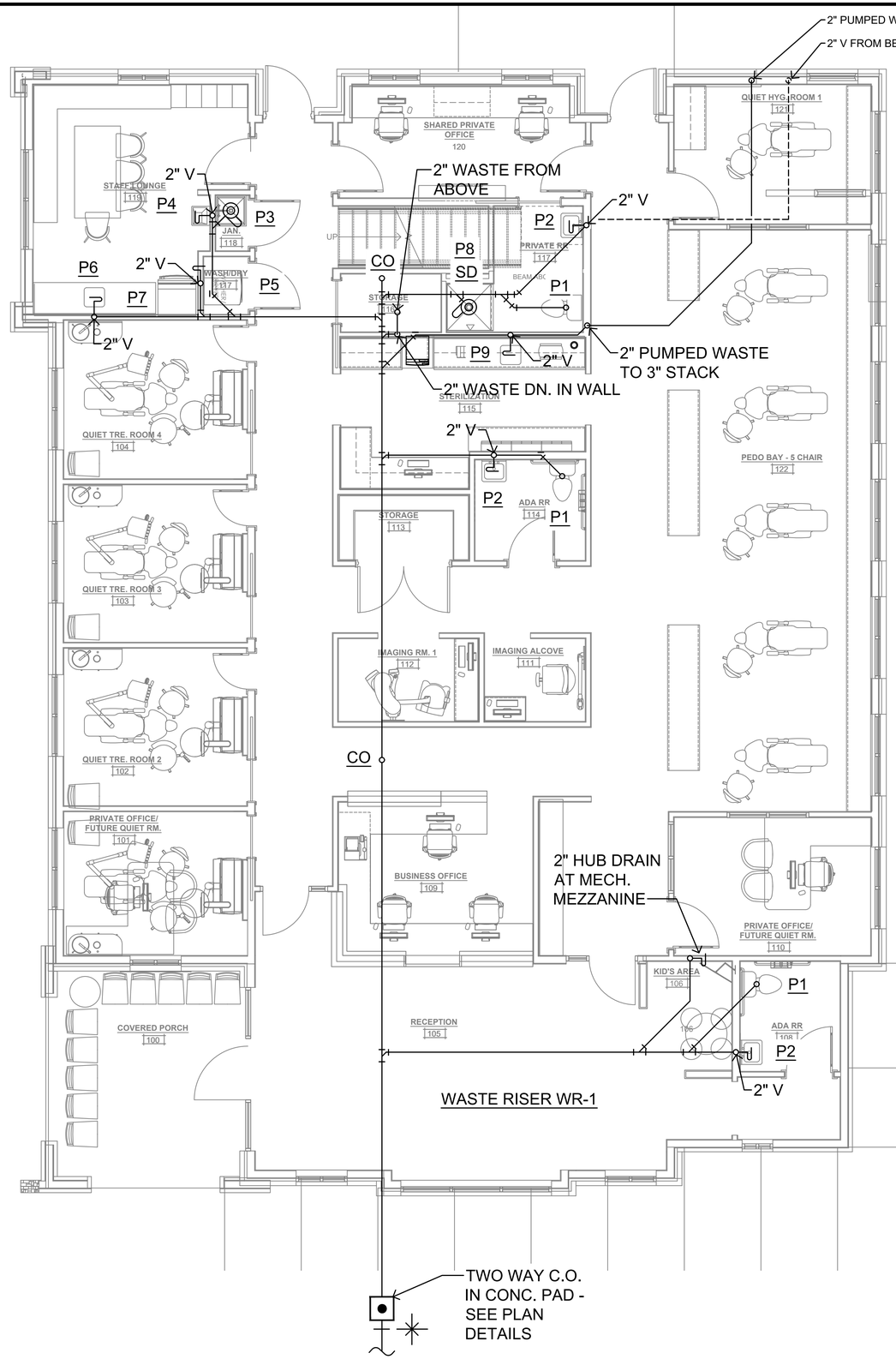
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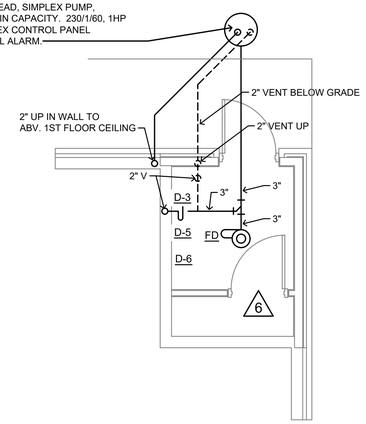
DESCRIPTION:
PLUMBING SCHEDULES & DETAILS

SHEET
P1

ALABAMA LICENSED
No. 23369
PROFESSIONAL
4-8-26
ENGINEER
J.R. EIRING



PUMP SYSTEM
LIBERTY PUMPS P682XPRG102W PRO SERIES
20 GPM @ 35' HEAD, SIMPLEX PUMP,
46 GALLON BASIN CAPACITY. 230/1/60, 1HP
PROVIDE DUPLEX CONTROL PANEL
AND HIGH LEVEL ALARM.



BASEMENT PLUMBING FLOOR PLAN - SHOWING WASTE PIPING

SCALE: 1/4" = 1'-0"

PLUMBING FLOOR PLAN - SHOWING WASTE PIPING

SCALE: 1/4" = 1'-0"

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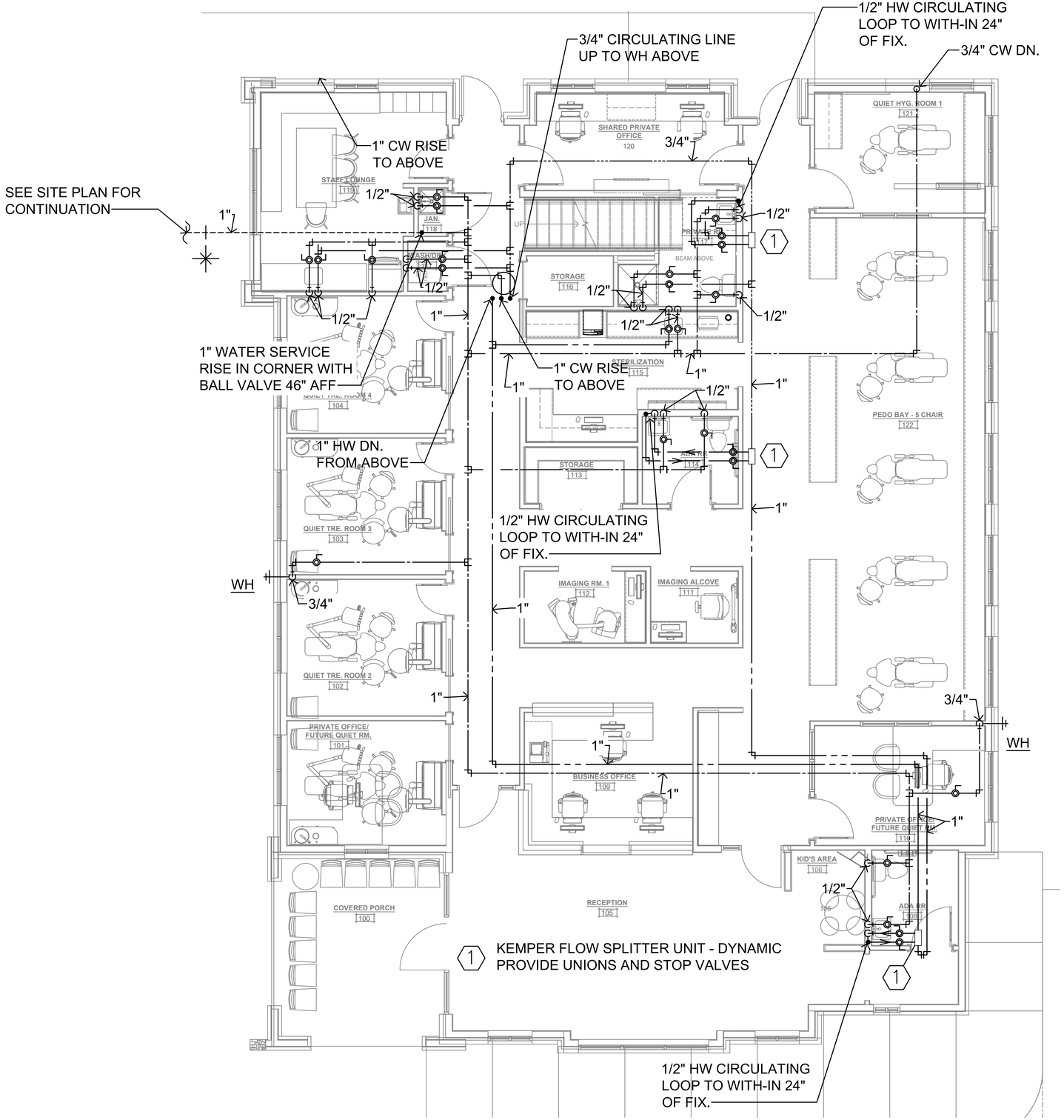
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DESCRIPTION:
FLOOR PLAN - NON-PRESSURE PIPING

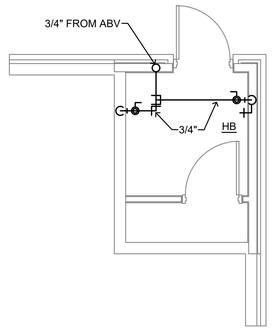
SHEET
P2

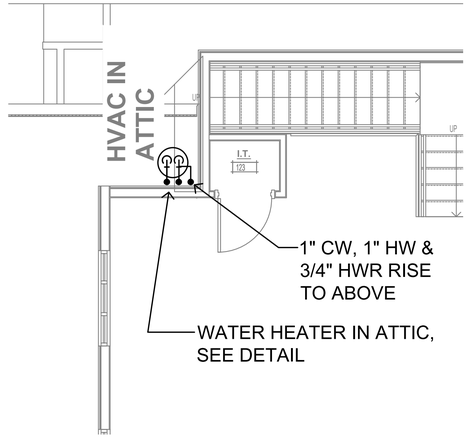
ALABAMA LICENSED No. 23369 PROFESSIONAL 4-8-26 ENGINEER J.R. ERING



BASEMENT PLUMBING FLOOR PLAN - SHOWING WATER PIPING

SCALE: 1/4" = 1'-0"





ATTIC PLUMBING FLOOR PLAN - SHOWING WATER PIPING

SCALE: 1/4" = 1'-0"

PLUMBING FLOOR PLAN - SHOWING WATER PIPING

SCALE: 1/4" = 1'-0"

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

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RFI BUILDERS

ISSUE:
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JOB NO.
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DESCRIPTION:
FLOOR PLAN - PRESSURE PIPING

SHEET
P4

ALABAMA LICENSED No. 23369 PROFESSIONAL 4-8-26 ENGINEER L. R. EIRING

FAN SCHEDULE

FAN NO.	SERVES	TYPE	CFM	APPROX. S.P.	SELECTION CRITERIA	MOTOR HP	MOTOR VOLTAGE	ACCESSORIES	CONTROL OR INTERLOCK WITH
EF-1	STERILIZATION EXHAUST	CEILING MOUNTED CENTRIFUGAL	200	0.3	1 SONES MAX 1140 RPM MAX	100W	110/1/60	1,3,5,6,7	LIGHTS
EF-2	TOILET EXHAUST	CEILING MOUNTED CENTRIFUGAL	100	0.3	1 SONES MAX 1140 RPM MAX	100W	110/1/60	1,3,5,6,7	LIGHTS
EF-3	TOILET EXHAUST	CEILING MOUNTED CENTRIFUGAL	100	0.3	1 SONES MAX 1140 RPM MAX	100W	110/1/60	1,3,5,6,7	LIGHTS
EF-4	TOILET EXHAUST	CEILING MOUNTED CENTRIFUGAL	100	0.3	1 SONES MAX 1140 RPM MAX	100W	110/1/60	1,3,5,6,7	LIGHTS
EF-5	IT CLOSET EXHAUST	CEILING MOUNTED CENTRIFUGAL	80	0.25	1 SONES MAX 1140 RPM MAX	100W	110/1/60	1,3,5,6,7	THERMOSTAT

FAN ACCESSORIES AND NOTES:

1. DIRECT DRIVE WITH FAN MOUNTED SOLID STATE SPEED CONTROL
2. DIRECT DRIVE WITH WALL MOUNTED SOLID STATE SPEED CONTROL
3. DISCONNECT SWITCH
4. PREFABRICATED ROOF CURB
5. BACKDRAFT DAMPER
6. BIRDSCREEN
7. BRICK VENT DISCHARGE LOUVER
8. PROVIDE WALL HOUSING AND DISCHARGE LOUVER
9. MULTIPLE FANS SEE DRAWINGS FOR QUANTITY AND LOCATION

INDOOR AC UNIT SCHEDULE

SYMBOL	TOTAL CFM	O.A. CFM	E.S.P. (IN. W.C.)	FAN H.P.	COOLING CAP.(MBH) TOTAL	COOLING CAP.(MBH) SENSIBLE	COIL FACE AREA	SUPP. ELEC. HEAT KW	SUPP. ELEC. HEAT NO. STAGES	ELECTRICAL	ELECTRICAL MCA	ELECTRICAL MFS MCB	FILTER MAX. F.V. 1" T.A.	EQUAL TO TRANE	REMARKS
AC-1*	1190	180	0.7	1/2	42	36	5.5	10.8	2	208/3/60	41	45	350	TAM7	
AC-2*	950	150	0.7	1/2	36	30	5.5	7.2	2	208/3/60	28	30	350	TAM7	
AC-3*	1075	180	0.7	1/2	36	30	5.5	7.2	2	208/3/60	28	30	350	TAM7	
AC-4*	1330	180	0.7	1/2	42	36	5.5	10.8	2	208/3/60	41	45	350	TAM7	
AC-5*	1050	100	0.7	1/2	36	30	5.5	7.2	2	208/3/60	28	30	350	TAM7	

* PROVIDE "EASY DRI" REHEAT DEHUMIDIFICATION SYSTEM AND BI-POLAR IONIZATION DEVICES FOR ALL UNITS

OUTDOOR HEAT PUMP UNIT SCHEDULE

SYMBOL	TOT. ARI COOLING CAP. MBH	HEATING CAPACITY AMBIENT (°F)	HEATING CAPACITY MBH	HEATING CAPACITY KW	HEATING CAPACITY AMBIENT (°F)	FANS NUMBER	FANS H.P. EA.	FANS FLA EA.	FANS LRA EA.	COMPRESSOR NO.	COMPRESSOR H.P. EA.	COMPRESSOR RLA EA.	COMPRESSOR LRA EA.	COMPRESSOR MCA	COMPRESSOR MFS	ELECTRICAL VOLTS/PH./HZ.	MINIMUM SEER2	EQUAL TO TRANE	REMARKS
CU-1	42	95	– / –	– / –	17 / 47	1	1/4	1.3	–	1	–	12.2	120	18	30	208/3/60	14.3	TWA4048	MIN. HSPF2=7.5
CU-2	36	95	– / –	– / –	17 / 47	1	1/4	1.3	–	1	–	10.4	71	16	25	208/1/60	14.3	TWR4030	MIN. HSPF2=7.5
CU-3	36	95	– / –	– / –	17 / 47	1	1/4	1.3	–	1	–	10.4	71	16	25	208/1/60	14.3	TWR4030	MIN. HSPF2=7.5
CU-4	42	95	– / –	– / –	17 / 47	1	1/4	1.3	–	1	–	12.2	120	18	30	208/3/60	14.3	TWA4048	MIN. HSPF2=7.5
CU-5	36	95	– / –	– / –	17 / 47	1	1/4	1.3	–	1	–	10.4	71	16	25	208/1/60	14.3	TWR4030	MIN. HSPF2=7.5

OUTDOOR HEAT PUMP UNIT SCHEDULE

SYMBOL	TOTAL COOLING CAPACITY (MBH)	SUCTION TEMP.(°F)	AMBIENT TEMP.(°F)	ELECTRICAL VOLTAGE	ELECTRICAL MCA	ELECTRICAL MFS	ELECTRICAL NO. OF COMP.	ELECTRICAL RLA EA.	ELECTRICAL LRA EA.	ELECTRICAL KW	NO. COND. FANS	H.P. EA.	FLA EA.	MIN. EER (SEER)	EQUAL TO MITSUBISHI	WEIGHT	HEATING CAP. 47°/17° MBH	MINIMUM HSPF
OHP-1	12.0	45	95	208/1/60	11	28	1	–	–	–	1	–	–	(20.0)	PUZ-A12	165	14.0	10.2

ELECTRIC HEATER SCHEDULE

SYMBOL/ (LOCAL.)	TYPE	MOUNTING	HEATING CAP. (KW)	FAN DATA CFM	FAN DATA H.P.	ELECTRICAL VOLTS/PH./HZ.	EQUAL TO MARKEL
EH-1	UNIT HTR.	CEILING	0.75	275	1/25	120/1/60	3000

PROVIDE FACTORY DISCONNECTS AND UNIT MTD. THERMOSTATS FOR EACH HEATER
PROVIDE WALL MOUNTED THERMOSTAT

FAN COIL UNIT SCHEDULE

SYMBOL	TOTAL CFM	O.A. CFM	E.S.P. (IN. W.C.)	FAN WATTS	ARI HEATING CAPACITY	ARI COOLING CAPACITY	ARRANGEMENT	ELECTRICAL VOLTS/PH./HZ.	EQUAL TO MITSUBISHI	REMARKS
FCU-1	290/380	N/A	0	56	13 MBH	12 MBH	WALL MOUNT	208V	PKA-A12	POWERED FROM OUTDOOR UNIT

AIR DEVICES

- STRAIGHT SPIN-IN WITH MANUAL DAMPER
- MANUAL DAMPER
- F.D. FIRE DAMPER
- FLEXIBLE CONNECTION
- Ø ROUND DUCT SYMBOL
- W X H RECTANGULAR DUCT
- RECTANGULAR SUPPLY AIR DUCT TURNING DOWN
- RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING DOWN
- ROUND DUCT TURNING DOWN
- MAXIMUM 5' FLEXIBLE DUCT ALL BRANCH DUCTS
- ELBOW WITH TURNING VANES FOR SUPPLY.
- ROUND ELBOWS. DIE CAST THROUGH 5" ROUND, 5 PIECE 6" ROUND AND ABOVE
- (T) THERMOSTAT
- (H) HUMIDITY SENSOR
- OA OUTSIDE AIR
- TA TRANSFER AIR
- S SUPPLY AIR
- E EXHAUST AIR
- R RETURN AIR

D - GRILLE TYPE - SEE SLEGEND
CRG - CEILING RETURN GRILLE
2416- 24x24 LAY-IN, 16" SQ. NECK
117 - 117 CFM

A - GRILLE TYPE - SEE SLEGEND
CD - CEILING DIFFUSER
2408 - 24x24, 8"Ø NECK(RUNOUT=NECK SIZE)
117 - 117 CFM

GRILLE, REGISTER AND DIFFUSER SCHEDULE AND LEGEND

A CD - SQUARE FACE, ROUND NECK, ADJ. LOUVER FACE CEILING DIFFUSER SHALL BE CONSTRUCTED OF ALL ALUMINUM. BORDER SHALL BE FLANGED, MODULAR, SUITABLE FOR MOUNTING IN AN EXPOSED "T-BAR" CEILING SUSPENSION SYSTEM. VOLUME CONTROL DAMPER SHALL BE OPPOSED BLADE TYPE. EXTERIOR FINISH SHALL BE OFF-WHITE BAKED ENAMEL. UNITS SHALL BE EQUIVALENT TO TITUS MODEL "TDCA-AA".

B PCD - PERFORATED CEILING DIFFUSER, 1 WAY, SHALL BE CONSTRUCTED OF STAINLESS STEEL. DIFFUSER SHALL BE PANEL MOUNTED, SUITABLE FOR MOUNTING IN AN EXPOSED "T-BAR" CEILING SUSPENSION SYSTEM. FACE SHALL BE REMOVABLE UNITS SHALL BE EQUAL TO CAPTIVEAIRE 'DIPSP'.

C SR - SIDEWALL REGISTER - EXTRUDED ALUMINUM DOUBLE DEFLECTION WITH OPPOSED BLADE DAMPER. WHITE BAKED ENAMEL FINISH. TITUS MODEL '300 SERIES'

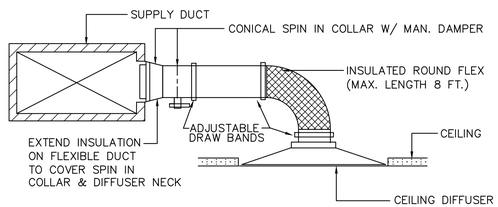
D CRG - CEILING RETURN GRILLE SHALL BE CONSTRUCTED OF ALL ALUMINUM. BORDER SHALL BE FLANGED, MODULAR, SUITABLE FOR MOUNTING IN AN EXPOSED "T-BAR" CEILING SUSPENSION SYSTEM. EXTERIOR FINISH SHALL BE OFF-WHITE. UNITS SHALL BE EQUVALENT TO TITUS MODEL "50F".

E WRG - BAR RETURN GRILLE SHALL BE CONSTRUCTED OF HEAVY GAUGE STEEL SUITABLE FOR GYMNASIUM USE. EXTERIOR FINISH SHALL BE OFF-WHITE. UNITS SHALL BE EQUVALENT TO TITUS MODEL "33".

F CEG - CEILING EXHAUST GRILLE SHALL BE CONSTRUCTED OF ALUMINUM DESIGNED TO FIT IN LAY-IN GRID. EXTERIOR FINISH SHALL BE OFF-WHITE. EQUIVALENT TO TITUS '50F'.

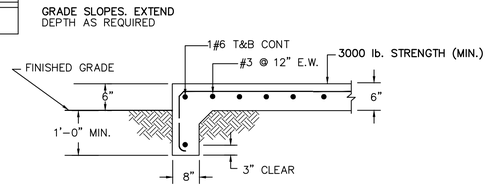
G KCRG - KITCHEN CEILING RETURN GRILLE SHALL BE CONSTRUCTED OF ABS PLASTIC DESIGNED TO FIT IN LAY-IN GRID. EXTERIOR FINISH SHALL BE OFF-WHITE. EQUIVALENT TO BUCKEYE PLASTIC. 'EFARECW'.

NOTE: COORDINATE EXACT LOCATION OF ALL CEILING DIFFUSERS, GRILLES AND REGISTERS WITH THE REFLECTIVE CEILING PLAN.



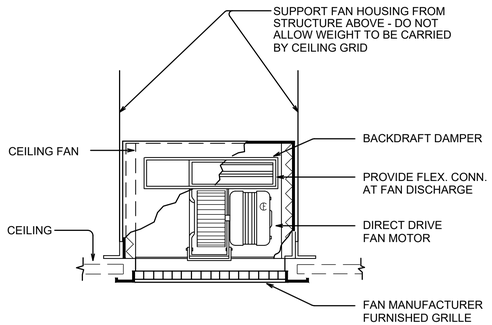
TYPICAL FLEXIBLE DUCT CONNECTION DETAIL

NO SCALE



CONCRETE PAD DETAIL

NO SCALE



CEILING MOUNTED EXHAUST FAN CONN. DETAIL

NO SCALE

HVAC SPECIFICATIONS

1. THE DRAWINGS ARE DIAGRAMMATIC, AND SHOW THE EXTENT OF HVAC WORK ONLY. PROVIDE INCIDENTAL ACCESSORIES, OFFSETS, FITTINGS, ETC., AS REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM. COORDINATE WORK WITH OTHER TRADES. OBTAIN AND PAY FOR ALL CERTIFICATES OF INSPECTION. WORK SHALL BE DONE IN ACCORDANCE WITH STANDARD MECHANICAL AND FIRE CODES AND ALL LOCAL CODES. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS USED.
2. EQUIPMENT SHALL BE NEW, AND OF THE QUALITY SPECIFIED HEREIN.
3. REMOVE EXCESS DEBRIS AND RUBBISH AS THE WORK PROGRESSES. UPON COMPLETION, CLEAN ALL EQUIPMENT AND HVAC SPACES THOROUGHLY.
4. ROUTE ALL DUCTWORK PARALLEL TO THE BUILDING WALLS, AND INSTALL WITHOUT DEFORMING THE DUCTWORK. PROVIDE ADEQUATE SUPPORT FOR ALL WORK.
5. RECTANGULAR DUCT SHALL BE FABRICATED FROM GALVANIZED SHEET METAL. DUCTWORK SHALL BE FABRICATED AND INSTALLED PER "SMACNA" STANDARDS FOR METAL DUCT . CONCEALED ROUND SUPPLY, RETURN AND OUTSIDE AIR DUCT SHALL BE INSULATED WITH 2.33" THICK FIBREGLASS DUCT WRAP INSULATION EQUAL TO CERTAINTEED DUCT WRAP OR APPROVED EQUAL. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS. ALL DUCT JOINTS AND SEAMS SHALL BE SEALED WITH PAINT-ON OR CAULK FLEX-GRIP 550 BY HARDCAST. MINIMUM R-VALUE FOR DUCT IN ATTIC = 8.0, FOR DUCT INSIDE BUILDING ENVELOPE = 6.0. PROVIDE 1" ACOUSTICAL LINER IN ALL DUCT WITHIN 10' OF AC UNIT.
6. SMOKE DETECTORS SHALL BE IONIZATION TYPE, SUITABLE FOR MOUNTING IN THE AIR STREAM. SMOKE DETECTORS SHALL BE MOUNTED IN THE RETURN DUCT TO SHUTDOWN UNIT ON THE DETECTION OF THE PRESENCE OF SMOKE.
7. FLEXIBLE DUCT SHALL BE FABRIC TYPE PRE-INSULATED EQUAL TO THERMAFLEX MK-C. PROVIDE SPIN-IN CONNECTORS WITH SCOOPS AND BALANCING DAMPERS AT CONNECTION TO THE SHEETMETAL DUCT. MAXIMUM LENGTH OF FLEXIBLE DUCT RUNS SHALL NOT EXCEED SIX (6) FEET.
8. PROVIDE EXTRACTORS AND BALANCING DAMPERS AT ALL BRANCH TAKEOFFS. PROVIDE TURNING VANES AT ALL CHANGES OF DIRECTION. PROVIDE BALANCING DAMPERS IN THE RETURN AIR DUCT AND THE OUTSIDE AIR DUCT OF ALL UNITS TO BALANCE THE SYSTEMS.
9. BALANCE SYSTEMS TO WITHIN 10% OF AIR VALUES SHOWN. SUBMIT A WRITTEN REPORT TO THE ARCHITECT/ENGINEER.
10. PACHAGED AC UNITS SHALL BE MOUNTED ON CONCRETE PADS, CORDINATE WITH OTHER TRADES AS REQUIRED.
11. COORDINATE EXACT ROUTING OF DUCTWORK WITH LIGHTS, STRUCTURAL AND PLUMBING. COORDINATE ALL ROOF OPENINGS SIZES WITH THE GENERAL CONTRACTOR.
12. REFRIGERANT PIPING SHALL BE TYPE ACR COPPER AND THE SUCTION PIPING SHALL BE INSULATED WITH 3/4" THICK FIRE RETARDANT ELASTOMERIC FOAM TYPE INSULATION. PROVIDE VENTED P-TRAP ON ALL CONDENSATE DRAINS. RUN THE CONDENSATE DRAINS TO FLOOR DRAIN OR SAFE LOCATION OUTSIDE THE BUILDING. REFRIGERANT PIPING EXPOSED TO THE WEATHER SHALL BE PAINTED WITH WHITE EPOXY. CONDENSATE PIPING SHALL BE TYPE 'M' COPPER WITH 3/4" THICK INSULATION.
13. UNITS SHALL BE PROVIDED COMPLETE WITH PROGRAMMABLE THERMOSTATS WITH LOCKING COVERS, MINIMUM OUTSIDE AIR INTAKE WITH BALANCING DAMPERS, COOLING COILS, FILTER SECTION, ETC., FOR A COMPLETE AND OPERABLE SYSTEM. COORDINATED LOCATIONS TO ASSURE PROPER CLEARANCE FOR SERVICE AND MAINTENANCE.
14. PROVIDE FIRE DAMPERS IN ALL DUCT PENETRATING RATED WALL AND CEILING ASSEMBLIES.
15. DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL TRANSITIONS, TURNS OFFSETS ETC. PRIOR TO BEGINNING WORK IT IS THE CONTRACTOR'S RESPONSIBILITY TO PRODUCE DUCT FABRICATION "SHOP" DRAWINGS BASED ON ACTUAL FIELD CONDITIONS. SHOP DRAWINGS SHALL INCLUDE PROPOSED ARRANGEMENT OF EQUIPMENT, ALL PIPING, STRUCTURAL ELEMENTS, DUCTS, DUCT TRANSITIONS, DUCT INSULATION, FLOOR DRAINS, POWER REQUIREMENTS, AND CONTROLS. AS A MINIMUM, SUBMIT DETAIL LAYOUTS OF POTENTIAL CONFLICTS AT PLUMBING STACKS, STRUCTURE, EQUIPMENT ROOMS, LIMITED CEILING SPACE, ETC. OVERLAY ARCHITECTURAL CEILING PLANS FOR COORDINATION WITH CEILING TYPES, HEIGHTS ETC. SUBMIT SHOP DRAWINGS FOR REVIEW AND REFER QUESTIONABLE LOCATIONS TO ARCHITECT/ENGINEER FOR RESOLUTION PRIOR TO INSTALLATION. FAILURE TO COORDINATE ALL ITEMS, AND CORRECT NON-CONFORMING INSTALLED WORK, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER OR THE OWNER'S PROJECT DESIGN PROFESSIONALS. FAILURE TO SUBMIT SHOP DRAWINGS WILL MAKE THE CONTRACTOR RESPONSIBLE FOR CHANGES REQUIRED TO FACILITATE INSTALLATION OF, AND THE PROPER OPERATION OF, ALL SYSTEMS AT NO ADDITIONAL COST TO THE OWNER OR THE PROJECT DESIGN PROFESSIONALS.

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ARCHITECTURE
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PREPARED FOR
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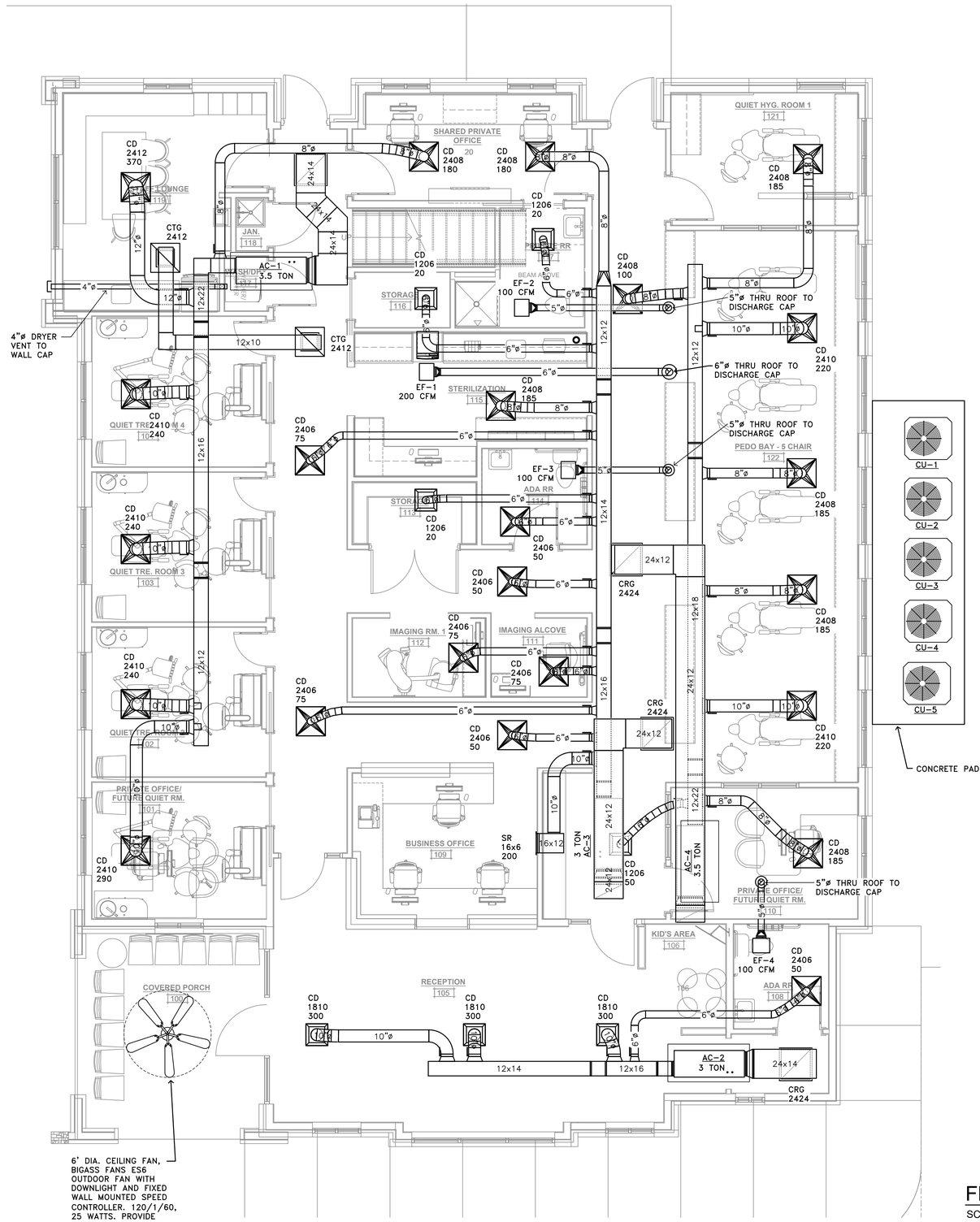
ISSUE:
04.06.26

JOB NO.
25055

DESCRIPTION:
HVAC SCHEDULES & DETAILS

SHEET
M1

ALABAMA LICENSED
No. 23369 PROFESSIONAL
4-8-26
ENGINEER
J. R. EIRING



FLOOR PLAN - HVAC

SCALE: 1/4" = 1'-0"

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PREPARED FOR
RFI BUILDERS

ISSUE:
04.06.26

JOB NO.
25055

DESCRIPTION:
1ST FLOOR PLAN - HVAC

SHEET
M2

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 23369
4-8-26
J. R. EIRING

GRILLE, REGISTER AND DIFFUSER SCHEDULE AND LEGEND

A CD - SQUARE FACE, ROUND NECK, ADJ. LOUVER FACE CEILING DIFFUSER SHALL BE CONSTRUCTED OF ALL ALUMINUM. BORDER SHALL BE FLANGED, MODULAR, SUITABLE FOR MOUNTING IN AN EXPOSED "T-BAR" CEILING SUSPENSION SYSTEM. VOLUME CONTROL DAMPER SHALL BE OPPOSED BLADE TYPE. EXTERIOR FINISH SHALL BE OFF-WHITE BAKED ENAMEL. UNITS SHALL BE EQUIVALENT TO TITUS MODEL "TDCA-AA".

B PCD - PERFORATED CEILING DIFFUSER, 1 WAY, SHALL BE CONSTRUCTED OF STAINLESS STEEL. DIFFUSER SHALL BE PANEL MOUNTED, SUITABLE FOR MOUNTING IN AN EXPOSED "T-BAR" CEILING SUSPENSION SYSTEM. FACE SHALL BE REMOVABLE UNITS SHALL BE EQUAL TO CAPTIVEAIRE 'DIPSP'.

C SR - SIDEWALL REGISTER - EXTRUDED ALUMINUM DOUBLE DEFLECTION WITH OPPOSED BLADE DAMPER. WHITE BAKED ENAMEL FINISH. TITUS MODEL '300 SERIES'

D CRG - CEILING RETURN GRILLE SHALL BE CONSTRUCTED OF ALL ALUMINUM. BORDER SHALL BE FLANGED, MODULAR, SUITABLE FOR MOUNTING IN AN EXPOSED "T-BAR" CEILING SUSPENSION SYSTEM. EXTERIOR FINISH SHALL BE OFF-WHITE. UNITS SHALL BE EQUVALENT TO TITUS MODEL "50F".

E WRG - BAR RETURN GRILLE SHALL BE CONSTRUCTED OF HEAVY GAUGE STEEL SUITABLE FOR GYMNASIUM USE. EXTERIOR FINISH SHALL BE OFF-WHITE. UNITS SHALL BE EQUVALENT TO TITUS MODEL "33".

F CEG - CEILING EXHAUST GRILLE SHALL BE CONSTRUCTED OF ALUMINUM DESIGNED TO FIT IN LAY-IN GRID. EXTERIOR FINISH SHALL BE OFF-WHITE. EQUIVALENT TO TITUS '50F'.

G KCRG - KITCHEN CEILING RETURN GRILLE SHALL BE CONSTRUCTED OF ABS PLASTIC DESIGNED TO FIT IN LAY-IN GRID. EXTERIOR FINISH SHALL BE OFF-WHITE. EQUIVALENT TO BUCKEYE PLASTIC. 'EFARECW'.

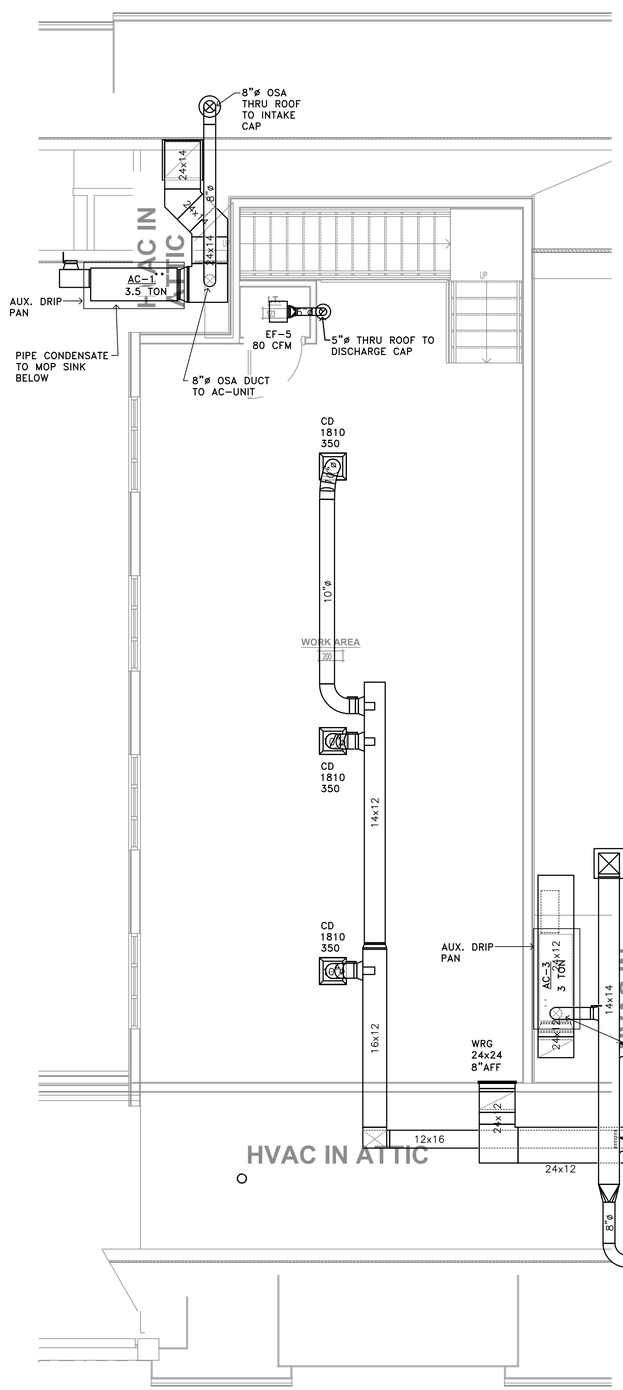
NOTE: COORDINATE EXACT LOCATION OF ALL CEILING DIFFUSERS, GRILLES AND REGISTERS WITH THE REFLECTIVE CEILING PLAN.

AIR DEVICES

- STRAIGHT SPIN-IN WITH MANUAL DAMPER
- MANUAL DAMPER
- F.D. FIRE DAMPER
- FLEXIBLE CONNECTION
- Ø ROUND DUCT SYMBOL
- W X H RECTANGULAR DUCT
- RECTANGULAR SUPPLY AIR DUCT TURNING DOWN
- RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING DOWN
- ROUND DUCT TURNING DOWN
- MAXIMUM 5' FLEXIBLE DUCT ALL BRANCH DUCTS
- ELBOW WITH TURNING VANES FOR SUPPLY.
- ROUND ELBOWS. DIE CAST THROUGH 5" ROUND, 5 PIECE 6" ROUND AND ABOVE
- (T) THERMOSTAT
- (H) HUMIDITY SENSOR
- OA OUTSIDE AIR
- TA TRANSFER AIR
- S SUPPLY AIR
- E EXHAUST AIR
- R RETURN AIR

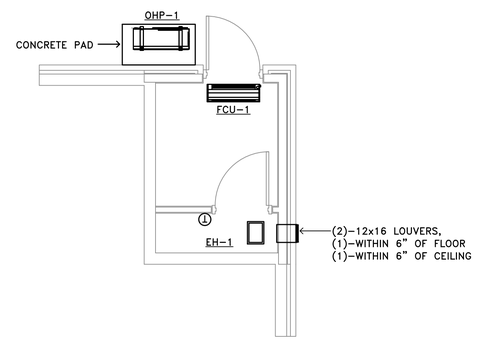
D - GRILLE TYPE - SEE SLEGEND
CRG - CEILING RETURN GRILLE
2416- 24x24 LAY-IN, 16" SQ. NECK
117 - 117 CFM

A - GRILLE TYPE - SEE SLEGEND
CD - CEILING DIFFUSER
2408 - 24x24, 8"Ø NECK(RUNOUT=NECK SIZE)
117 - 117 CFM



MECHANICAL MEZZ. PLAN - HVAC

SCALE: 1/4" = 1'-0"



BASEMENT PLAN - HVAC

SCALE: 1/4" = 1'-0"

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JOB NO.
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DESCRIPTION:
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No. 23369
PROFESSIONAL
4-8-26
ENGINEER
M. E. WHITTAKER

PART 1 - GENERAL
1.1 GENERAL

THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO REPRESENT THE SCOPE OF WORK FOR THE ELECTRICAL TASK TO BE PERFORMED. ELEMENTS AND COMPONENTS NOT INCLUDED ON THE DRAWINGS, BUT ARE NECESSARY AND DEEMED ESSENTIAL FOR THE PROPER OPERATION AND FUNCTION OF THE ELECTRICAL SYSTEMS, OR REQUIRED FOR COMPLIANCE WITH APPLICABLE CODES, SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST TO THE OWNER, ARCHITECT, AND/OR ENGINEERS. THE CONTRACTOR SHALL PROVIDE AND INSTALL HIS EQUIPMENT AND INSTALL AND CONNECT EQUIPMENT AND FIXTURES FURNISHED BY OTHERS.

1.2 SCOPE OF WORK

FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT AND PROVIDE ALL LABOR REQUIRED AND NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND ALL OTHER WORK NOT SPECIFICALLY STATED, BUT REASONABLY INFERRED FOR A COMPLETE AND USEABLE SYSTEM. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT REQUIREMENTS AND SUBMIT TO THE ARCHITECT FOR APPROVAL PRIOR TO PURCHASE, FABRICATION, AND/OR INSTALLATION. THE SCOPE OF WORK SHALL INCLUDE TESTING TO REASONABLY SHOW THAT THE SYSTEM COMPONENTS MEET THE SPECIFIED REQUIREMENTS. THIS PROJECT INCLUDES ELECTRICAL SERVICE, GENERAL POWER, AND LIGHTING.

1.3 INSPECTION OF SITE

THE CONTRACTOR SHALL INSPECT THE SITE OF THE NEW CONSTRUCTION AND PREMISES OF THE EXISTING BUILDING AND SHALL COMPARE CONDITIONS THEREIN WITH WORK SHOWN ON THE DRAWINGS. HE SHALL BECOME THOROUGHLY FAMILIAR WITH CONDITIONS WHICH WILL AFFECT HIS WORK, AS NO ALLOWANCE IS TO BE MADE FOR LACK OF KNOWLEDGE CONCERNING SUCH CONDITIONS AFTER THE CONTRACT IS SIGNED. HE SHALL REPORT IMMEDIATELY TO THE OWNER ANY DISCREPANCIES WHICH HIS INSPECTION MAY REVEAL DURING THE BIDDING PERIOD IN ORDER THAT MISUNDERSTANDINGS AT A LATER DATE MAY BE PREVENTED. THE CONTRACTOR SHALL SUGGEST, BASED ON HIS EXPERTISE, SOLUTION FOR THE DOCUMENTATION FOR THE ARCHITECT TO REVIEW PRIOR TO SUBMISSION OF HIS PROPOSAL. ACCEPTANCE BY THE CONTRACTOR OF THE DESIGN DOCUMENTATION AS EVIDENCED BY THE ACCEPTANCE OF THE CONTRACTOR'S PROPOSAL BY THE OWNER SHALL INDICATE THAT THE WORK CAN BE ACCOMPLISHED IN ACCORDANCE WITH THE DOCUMENTATION. EXCEPT FOR UNFORESEEN ITEMS, THE CONSTRUCTION COST AND DOCUMENTATION RESULTING FROM CHANGES INCURRED AS A RESULT ON UNINTENTIONAL OMISSIONS BY THE ARCHITECTURAL DESIGN/CONSTRUCTION DOCUMENTATION AFTER AWARD SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THIS DOES NOT ALLEVIATE THE CONTRACTOR FROM PROVIDING SUCCESSFULLY INSPECTED, FULLY FUNCTIONAL SYSTEMS.

1.4 CODES, PERMITS, AND INSPECTIONS

WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST PUBLISHED NATIONAL ELECTRIC CODE, NATIONAL ELECTRIC SAFETY CODE, STATE OF ALABAMA BUILDING CODES, AND OTHER NATIONAL, LOCAL, AND STATE LAWS, ORDINANCES RULES, AND REGULATIONS RELATING TO THE WORK. WHERE THE DRAWINGS OR SPECIFICATIONS EXCEED THESE REQUIREMENTS, THE SPECIFICATIONS SHALL GOVERN. IN NO CASE SHALL WORK BE INSTALLED CONTRARY TO OR BELOW THE MINIMUM LEGAL STANDARDS. THE CONTRACT SHALL INCLUDE PAYMENT OF PERMIT AND INSPECTION FEES REQUIRED FOR INSTALLATION OF THE ELECTRICAL WORK. ALSO INCLUDE THAT PORTION OF THE BUILDING PERMIT FOR WORK PERTAINING TO THIS BRANCH, WHERE APPLICABLE. WORK SHALL BE INSPECTED AND APPROVED BY THE INSPECTION AGENCY HAVING JURISDICTION AND A CERTIFICATE OF APPROVAL SHALL BE DELIVERED TO THE OWNER.

1.5 GUARANTEE

THIS CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS INSTALLED UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. MATERIALS OR WORKMANSHIP PROVING TO BE DEFECTIVE DURING THIS PERIOD SHALL BE REPLACED BY THIS CONTRACTOR WITHOUT COST TO THE OWNER.

1.6 EQUIPMENT SELECTION AND APPROVAL

THE SELECTION OF MATERIALS AND EQUIPMENT TO BE FURNISHED UNDER THIS CONTRACT SHALL BE IN STRICT ACCORDANCE WITH THESE SPECIFICATIONS. WHERE TRADE NAMES, BRANDS, OR MANUFACTURER OF EQUIPMENT OR MATERIALS ARE LISTED IN THE SPECIFICATIONS, THE WORDS "OR APPROVED EQUAL" SHALL BE UNDERSTOOD TO APPEAR THEREAFTER. APPROVAL OF EQUALITY IS REQUIRED BY THE OWNER.

1.7 SHOP DRAWINGS

THE CONTRACTOR SHALL SUBMIT 3 SETS OF SHOP DRAWINGS, WHICH SHALL INCLUDE EQUIPMENT FURNISHED AS APPLICABLE TO HIS DISCIPLINE. THE SHOP DRAWINGS SHALL INCLUDE BUT NOT BE LIMITED TO SERVICE ENTRANCE EQUIPMENT, POWER PANELS OR LOAD CENTERS, LIGHT FIXTURES, AND OUTLET DEVICES.

1.8 LOCATION COORDINATION

COORDINATE WORK WITH OTHER TRADES TO AVOID CONFLICT AND TO PROVIDE CORRECT ROUGH-IN AND CONNECTION FOR EQUIPMENT FURNISHED UNDER OTHER TRADES THAT REQUIRE ELECTRICAL CONNECTIONS. VERIFY EQUIPMENT DIMENSIONS AND REQUIREMENTS WITH PROVISIONS SPECIFIED UNDER THIS SECTION.

1.9 PROTECTION OF EQUIPMENT

THIS CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR THE PROTECTION OF HIS MATERIALS AND EQUIPMENT DURING ALL STAGES OF CONSTRUCTION, BOTH BEFORE AND AFTER INSTALLATION, UNTIL THE WORK IS ACCEPTED BY THE OWNER.

1.10 SITE CLEANUP

AFTER ALL OTHER WORK HAS BEEN ACCOMPLISHED, CLEAN ALL EXPOSED CONDUIT, FIXTURES, EQUIPMENT, AND SUPPORT. TOUCH UP PAINT ON ANY EQUIPMENT SCRAPED, SCRATCHED OR DAMAGED DURING CONSTRUCTION. LEAVE ALL AREAS INVOLVING ELECTRICAL WORK IN A CONDITION SATISFACTORY TO THE OWNER. REMOVE ALL CRATES, CARDBOARD, PACKING MATERIAL, WASTE MATERIAL, AND OTHER DEBRIS LEFT OVER FROM CONSTRUCTION. ALL DEBRIS SHOULD BE REMOVED FROM THE SITE ON A DAILY BASIS.

1.11 BUILDING SERVICE

THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH AND MEET ALL REQUIREMENTS OF PUBLIC SERVICE TO OBTAIN A 600 AMP 208/120 VOLT, THREE PHASE, FOUR WIRE ELECTRIC SERVICE. THE OWNER SHALL PROVIDE TO THE ELECTRICAL CONTRACTOR A SINGLE POINT OF CONTACT TO ENSURE COORDINATION OF ALL ELECTRICAL SERVICE REQUIREMENTS.

1.12 TEMPORARY SERVICE FOR CONSTRUCTION

THIS CONTRACTOR SHALL MAKE APPLICATION TO THE USER FOR TEMPORARY ELECTRIC SERVICE. THIS SERVICE SHALL BE USED UNTIL THE NEW SERVICE IS ENERGIZED. THE CONTRACTOR SHALL FURNISH, INSTALL, AND PAY FOR ALL NECESSARY WIRE, METERING, POLES, SWITCHES, RECEPTACLES, LIGHTS, AND ACCESSORIES TO PROVIDE A TEMPORARY ELECTRIC SERVICE. THE CONTRACTORS ON THE PROJECT REQUIRING EXTENSION CORDS SHALL PROVIDE THEIR OWN CORDS AND PLUGS UP TO CAPACITY OF 20 AMPERES. THIS CONTRACTOR SHALL MAINTAIN THE TEMPORARY LIGHT AND POWER SYSTEM FOR THE DURATION OF THE WORK AND SHALL REMOVE IT FROM THE SITE WHEN DIRECTED. TEMPORARY WIRING AND EQUIPMENT SHALL REMAIN THE PROPERTY OF THIS CONTRACTOR. THE COMPLETE TEMPORARY SERVICE SHALL COMPLY WITH OSHA REQUIREMENTS.

PART 2 – PRODUCTS
2.1 MATERIAL APPROVAL

ALL MATERIALS MUST BE NEW AND BEAR U.L. LABEL. MATERIALS THAT ARE NOT COVERED BY UL TESTING STANDARDS SHALL BE TESTED AND APPROVED BY AN INDEPENDENT TESTING LABORATORY OF A GOVERNMENTAL AGENCY APPROVED BY THE AUTHORITY HAVING JURISDICTION.

2.2 WIRES AND CABLES

FOR 600V SYSTEMS AND BELOW SHALL BE STRANDED COPPER. THE MINIMUM WIRE SIZE SHALL BE #12 AWG. WIRE AMPACITY SHALL BE EQUAL TO OR GREATER THAN THE OVERCURRENT PROTECTIVE DEVICE SERVING THAT CIRCUIT. WIRE SIZE SHALL BE INCREASED TO COMPENSATE FOR VOLTAGE DROP BASED ON PHYSICAL ROUTING OF CABLE. INSULATION SHALL BE THWN FOR WET LOCATIONS AND THHN FOR DRY LOCATIONS. TYPE MC CABLE MAY BE USED WHERE PERMITED BY THE NATIONAL ELECTRICAL CODE AND ALLOWED BY THE AUTHORITY HAVING JURISDICTION. MC CABLE SHALL BE PROVIDED WITH A GROUNDING CONDUCTOR.
2.3 JUNCTION AND PULL BOXES

BOXES SHALL BE CODE GAUGE, CONSTRUCTED OF GALVANIZED STEEL WITH SCREWED COVERS. JUNCTION BOXES AND PULL BOXES SHALL BE SO LOCATED AS TO BE ACCESSIBLE. WHERE A NATURAL MEANS OF ACCESS IS NOT AVAILABLE, HINGED METAL ACCESS COVERS MATCHING THE CEILING FINISH SHALL BE PROVIDED BY THIS CONTRACTOR. ACCESS COVERS SHALL BE FLUSH TYPE WITH HINGED DOOR AND RIGID FRAME, WITH SCREWDRIVER LOCK. A REMOVABLE PAN OR LAY-IN CEILING SHALL BE CONSIDERED AS ADEQUATE MEANS OF ACCESS TO BOXES. ACCESS PANEL SHALL BE MILCOR "M" OR "DIV" OR APPROVED EQUAL.

2.4 OUTLET BOXES

CONDUIT BOXES SHALL BE CAST ALUMINUM, GALVANIZED OR CADMIUM PLATED STEEL AS MANUFACTURED BY STEEL CITY, APPLETON, CROUSE HINDS, RUSSELL & STOLL, OR RACO. FIXTURE OUTLET BOXES SHALL BE A STANDARD 4" X 2" DEEP, OCTAGONAL OR SQUARE WITH 3/8" FIXTURE STUDS. DEVICE OUTLET BOXES SHALL BE NOMINAL 2" X 4" WHERE TWO WIRES TERMINATE. WHERE WIRING IS CONTINUOUS AND MORE THAN TWO ENTER, BOXES SHALL BE 4" SQUARE. PROVIDE SINGLE GANG PLASTER RING EXTENSIONS FOR 4" SQUARE BOXES WHERE INSTALLED IN PLASTERED WALLS. DEVICE OUTLET BOXES LOCATED IN MASONRY WALLS SHALL BE 4" SQUARE AND HAVE SQUARE CORNERS WITH NO EXTERNAL EARS.

OUTLET AND DEVICE BOXES SHALL BE RIGIDLY ATTACHED TO THE CEILING OR WALL CONSTRUCTION BY MEANS OF STEEL STRAPS SECURED TO STUDS OR CHANNELS BY MEANS OF SCREWS, BOLTS, OR WIRE. BOXES SHALL BE ALIGNED TRUE TO BUILDING LINES. MOUNTING HEIGHTS AND DIMENSIONS SHALL BE CONSIDERED TO BE AT THE CENTER LINE OF THE BOX. OUTLET AND DEVICE BOXES SHALL NOT BE MOUNTED BACK TO BACK IN COMMON WALLS. WATER TIGHT JUNCTION BOXES, BONDING JUMPERS, ETC., SHALL BE PROVIDED WHEREVER THE CONSTRUCTION DICTATES SUCH DEVICES. FLOOR BOXES SHALL BE CAST METAL OR FORMED STEEL.

2.5 WIRING DEVICES

ALL WIRING DEVICES OF ANY ONE GENERAL TYPE SHALL BE OF THE SAME MANUFACTURER AND SHALL MATCH THROUGHOUT. WIRING DEVICES SHALL BE AS MANUFACTURED BY HUBBELL, GE, LEVITON, P & S, OR BRYANT. COVER PLATES SHALL BE AS MANUFACTURED BY ARROW HART, SIERRA, LEVITON, OR MULLBURRY. THE COLOR SHALL BE IVORY UNLESS SPECIFIED OTHER WISE BY ARCHITECT.

WHERE INDICATED, PROVIDE SPECIFICATION GRADE, DUPLEX RECEPTACLES, GROUND-FAULT CIRCUIT INTERRUPTERS; GROUND TYPE, UL-RATED CLASS A GROUP 1, 20 AMPERES RATING, 120 VOLTS. THE COLOR SHALL BE IVORY UNLESS SPECIFIED OTHERWISE BY ARCHITECT. SWITCHES SHALL BE FLUSH WALL TYPE. TWO, THREE AND FOUR-WAY 120-VOLT SWITCHES SHALL BE SPECIFICATION GRADE, TOGGLE HANDLE, WITH TOTALLY ENCLOSED CASE, RATED 20 AMPERE, TUNGSTEN, 60 HERTZ AND CONTAIN SWITCHING ARRANGEMENT INDICATED ON DRAWINGS. ALL LIGHT SWITCHES SHALL HAVE A COVER TO PREVENT INCIDENTAL CONTACT. THE COLOR SHALL BE IVORY UNLESS SPECIFIED OTHER WISE BY ARCHITECT.

2.6 WIRE CONNECTORS

CONNECTIONS SHALL BE MADE USING PRESSURE TYPE TERMINALS. WHERE CONNECTIONS OF STRANDED WIRE ARE TO BE MADE TO DEVICES OR EQUIPMENT UNDER SCREW HEADS ONLY, INSTALL INSULATED CRIMP TYPE SPADE CLIPS ON THE WIRE ENDS BEFORE THE CONNECTIONS ARE MADE. CONNECTORS SHALL CONTAIN ONLY ONE WIRE UNLESS THEY ARE APPROVED FOR MULTIPLE CONDUCTORS.

2.7 PANELBOARD

PANELBOARDS SHALL BE AS MANUFACTURED BY SQUARE D, GE, SIEMENS, OR CUTLER HAMMER. PROVIDE PANELBOARDS AS INDICATED ON SCHEDULES WITH THE FOLLOWING FEATURES: HARD-DRAWN COPPER BUS, MECHANICAL-TYPE MAIN AND NEUTRAL LUGS, NEUTRAL BUS RATED 100 PERCENT OF PHASE BUS, GROUND BUS BONDED TO ENCLOSURE, BOLT-ON MOLDED-CASE THERMAL-MAGNETIC BREAKERS. PANELBOARDS SHALL BE FULLY RATED FOR THE SHORT CIRCUIT INTERRUPTING CAPACITY INDICATED IN SCHEDULES. PROVIDE A PHENOLIC NAMEPLATE ON THE VISIBLE FACE INDICATING THE PANEL NAME IN 3/8" LETTERS. PROVIDE A TYPE WRITTEN PANEL DIRECTORY THAT IS FULLY VISIBLE WHEN THE PANEL DOOR IS OPEN. THE PANEL DIRECTLY SHALL INDICATE THE LOADS SERVED BY ALL CIRCUIT BREAKERS INSTALLED IN THE PANELBOARD, THE SOURCE OF POWER TO THE PANELBOARD, THE SIZE OF THE PANEL BOARD, SIZE OF THE MAIN BREAKER IF INSTALLED, VOLTAGE, PHASE, AND NUMBER OF WIRES SERVING THE PANELBOARD.

2.8 DISCONNECT SWITCHES

DISCONNECT SWITCHES SHALL BE AS MANUFACTURED BY SQUARE D, SIEMENS, OR GENERAL ELECTRIC. PROVIDE TYPE HD, HEAVY DUTY, DOUBLE THROW, 600-V AC, SIZED AS SHOWN ON DRAWINGS. DISCONNECT SWITCH ENCLOSURES SHALL COMPLY WITH NEMA AB1, NEMA KS 1, NEMA 250 AND UL50 AND COMPLY WITH THE ENVIRONMENTAL CONDITIONS AT THE SWITCH LOCATION. ENCLOSURES SHALL BE NEMA 250 TYPE 1 FOR INDOOR, DRY, AND CLEAN LOCATIONS. ENCLOSURES SHALL BE NEMA 250 TYPE 3R FOR OUTDOOR, WET, AND DAMP LOCATIONS. SWITCHES SHALL BE MANUFACTURED BY GENERAL ELECTRIC, SQUARE D, SIEMENS, WESTINGHOUSE, OR EQUIVALENT.

SERVICE-RATED SWITCHES SHALL BE LABELED FOR USE AS SERVICE EQUIPMENT. DISCONNECT SWITCHES SHALL BE UL 98 HORSEPOWER RATED WITH CLIPS OR BOLT PADS TO ACCOMMODATE INDICATED FUSES, LOCKABLE HANDLE, AND INTERLOCKED WITH COVER IN THE CLOSED POSITION. EQUIPMENT GROUND KIT SHALL BE INTERNALLY MOUNTED AND LABELED FOR COPPER GROUND CONDUCTORS. NEUTRAL KIT SHALL BE INTERNALLY MOUNTED; INSULATED, CAPABLE OF BEING GROUNDED AND BONDED; LABELED FOR COPPER CONDUCTORS. LUGS SHALL BE MECHANICAL TYPE, SUITABLE FOR NUMBER, SIZE AND CONDUCTOR MATERIAL INDICATED. FUSES SHALL BE BUSSMAN TYPE LPN FOR 240 VOLT DISCONNECT SWITCHES AND TYPE LPS FOR 600 VOLT DISCONNECT SWITCHES. THESE FUSES ARE CLASS RK1 CURRENT-LIMITING, DUAL ELEMENT, TIME-DELAY FUSES.

2.9 WARNING SIGNS

PROVIDE WARNING SIGNS FOR FLASH PROTECTION IN ACCORDANCE WITH NFPA 70E AND NEMA Z535.4 FOR PANELBOARDS, CIRCUIT BREAKER ENCLOSURES, LOAD CENTERS, AND ANY OTHER ELECTRICAL EQUIPMENT THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED. PROVIDE FIELD INSTALLED SIGNS TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS WHEN WARNING SIGNS ARE NOT PROVIDED BY THE MANUFACTURER. PROVIDE MARKING THAT IS CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

2.10 RACEWAYS

ALL DISTRIBUTION AND SERVICE WIRING SHALL BE RUN IN CONDUIT, IN MASONRY WALLS, ON EXPOSED SURFACES, IN POURED CONCRETE, AND WHERE UNDERGROUND. CONDUIT MAY BE RIGID GALVANIZED OR PLATED STEEL, INTERMEDIATE GRADE STEEL (IMC), RIGID ALUMINUM, GALVANIZED, OR PLATED THINWALL ELECTRIC METALLIC TUBING OR TYPE EPC-40 RIGID POLYVINYL CHLORIDE (PVC), SUBJECT TO THE FOLLOWING CONDITIONS. CONDUIT SHALL CONFORM TO ANSI AND NEMA REQUIREMENTS AND EACH LENGTH SHALL BE UL LABELED. DO NOT USE ALUMINUM IN POURED CONCRETE OR UNDERGROUND, EMT IS NOT APPROVED FOR INSTALLATION UNDERGROUND OR EXPOSED TO WEATHER. EXPOSED CONDUITS IN EQUIPMENT ROOMS, STORAGE ROOMS, JANITOR ROOMS, AND SIMILAR SPACES MAY BE EMT, IMC, OR RIGID.

FLEXIBLE METAL CONDUIT EQUAL TO GREENFIELD MAY BE USED FOR CONNECTIONS TO LIGHTING FIXTURES, WITH LENGTH LIMITED TO 6 FT., HORIZONTAL RUNS THROUGH STUD WALLS, IN NARROW MOVABLE PARTITIONS WHERE OTHER RACEWAYS ARE NOT PRACTICABLE WHEN SO APPROVED BY THE OWNER OR ENGINEER, AND CONNECTIONS TO MOTORS OR CONTROLS ON DYNAMIC EQUIPMENT. NOTE THAT FLEXIBLE MOTOR CONNECTIONS IN WET, DAMP, DUSTY, OR OUTSIDE LOCATIONS SHALL BE WATER AND DUST TIGHT TYPE FITTINGS APPROVED FOR WET LOCATIONS. CONDUIT SHALL BE 3/4" DIAMETER OR LARGER EXCEPT 1/2" SIZE MAY BE USED WHERE FLEXIBLE CONDUIT IS ALLOWED, FOR SWITCH LEGS, AND WHEN CONDUIT CARRIES CONTROL WIRING ONLY

2.11 LIGHT FIXTURES

REFER TO LIGHTING FIXTURE SCHEDULE IN PLANS FOR FIXTURE TYPES. EQUIVALENT LUMINARIES BY HUBBELL, LITHONIA, EATON. LED FIXTURE LAMPS AND MODULES BY PHILIPS, GENERAL ELECTRIC, OSRAM / SYLVANIA, CREE, NICHIA. LED COMPONENTS, LAMPS, DRIVERS, AND FIXTURES SHALL COMPLY WITH: PCC 47 CFR PART 15; UL 8750; ANSI / NEMA STANDARDS C78.377, NEMA SSL-1, C82.77, IESNA STANDARDS TM-16-05, RP-16, LM-79, LM-80 AND TM-21. DRIVERS SHALL BE INTEGRAL TO THE FIXTURE UNLESS OTHERWISE SHOWN OR SPECIFIED. EMERGENCY BALLASTS, DRIVERS, BATTERIES, AND INVERTERS SHALL BE COMPATIBLE WITH THE SCHEDULED FIXTURES. COORDINATE VOLTAGES AND OUTPUTS FOR MINIMUM 90-MINUTE OPERATION WITH FIXTURES SCHEDULED AND CONTROLS INDICATED AND PROVIDED.

PART 3 EXECUTION
3.1 GENERAL

SYSTEM LAYOUTS INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC, BUT SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION AND WORK OF OTHER TRADES WILL ALLOW. COORDINATE LOCATIONS OF ELECTRICAL EQUIPMENT, DEVICES, OUTLETS, FIXTURES, ETC., WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REFLECTED CEILING PLANS PRIOR TO ROUGH-IN WORK. ALL HOME RUNS ARE INDICATED AS STARTING FORM THE DEVICE NEAREST THE PANEL AND CONTINUING IN THE GENERAL DIRECTION OF THE PANEL. OBTAIN PRIOR APPROVAL FROM ARCHITECT AND CONFORM TO ALL STRUCTURAL REQUIREMENTS WHEN CUTTING OR BORING OF THE STRUCTURE OR STRUCTURAL MEMBERS IS REQUIRED. CONDUITS LEAVING OR ENTERING THE BUILDING SHALL BE SEALED PER THE NATIONAL ELECTRICAL CODE TO PREVENT THE ENTRANCE OF MOISTER.

3.2 ELECTRICAL GROUNDING

THE ENTIRE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS. CONDUITS AND ASSOCIATED FITTINGS AND TERMINATIONS SHALL BE MADE MECHANICALLY TIGHT TO PROVIDE A CONTINUOUS ELECTRICAL PATH TO GROUND AND SHALL BE SAFELY GROUNDED AT ALL EQUIPMENT BY BONDING ALL METALLIC CONDUIT TO THE EQUIPMENT ENCLOSURES WITH LOCKNUTS CUTTING THROUGH PAIN ON ENCLOSURES. BOND ALL CONDUITS ENTERING SERVICE ENTRANCE SWITCHBOARD WITH A GROUND WIRE CONNECTING THE GROUNDING TYPE BUSHINGS TO THE EQUIPMENT GROUND BAR. GROUND CONDUCTORS SHALL IDENTIFIED BY GREEN INSULATION OR BY PAINTING GREEN AT ALL ACCESSIBLE LOCATIONS AND SHALL BE CONNECTED WITH APPROVED CONNECTORS AND TERMINATORS TO BOXES, DEVICES, EQUIPMENT, ETC., AND TO GROUND BARS IN PANELS. THE BUILDING NEUTRAL SHALL BE IDENTIFIED THROUGHOUT WITH WHITE CONDUCTORS.

3.3 RACEWAY AND CABLE INSTALLATION

CONDUIT SHALL BE RUN CONCEALED UNLESS OTHERWISE INDICATED OR SPECIAL PERMISSION GRANTED FROM THE OWNER. WHERE CONDUIT IS EXPOSED, IT SHALL BE RUN PARALLEL OR PERPENDICULAR TO THE BUILDING LINES. BENDS AND OFFSETS SHALL BE AVOIDED WHERE POSSIBLE. WHEN REQUIRED, RADII FOR CONDUITS SHALL NOT BE LESS THAN STIPULATED BY CODE. TERMINATIONS OF ALL CONDUITS SHALL BE SECURED BY LOCKNUTS AND APPROVED BUSHINGS TIGHTENED UP TO SECURE ELECTRICAL AS WELL AS MECHANICAL INTEGRITY OF THE CONDUIT NETWORK. FASTEN CONDUIT SECURELY TO THE BUILDING STRUCTURE THROUGHOUT BY MEANS OF HEAVY DUTY STRAP HANGERS AND CLAMPS ATTACHED TO THE BASIC BUILDING STRUCTURE. SMALLER BRANCH CIRCUIT CONDUIT MAY BE SECURED BY MEANS OF GALVANIZED METAL CLAMPS AND SCREWS ATTACHED TO CONCRETE OR JOISTS. WIRE SHALL NOT BE USED FOR SUSPENDING CONDUIT. VERTICAL CONDUIT RUN SHALL BE SUPPORTED WITH CLAMPS AT EACH FLOOR LEVEL TO PREVENT BOTH LATERAL AND VERTICAL SHIFTING.

OPEN ENDS OF CONDUIT STUBS SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SPECIAL CARE SHALL BE TAKEN TO PREVENT DAMAGE TO THE CONDUIT DURING CONCRETE POURING. EMPTY CONDUIT INSTALLATION FOR USE BY OTHERS SUCH AS TELEPHONE OR FUTURE SYSTEMS, ETC., SHALL BE COMPLETE WITH PULL WIRE. A MANDREL SHALL BE PULLED THROUGH EACH FEEDER CONDUIT TO ASSURE AGAINST FOREIGN OBJECTS REMAINING INSIDE.

FLOOR SLEEVES SHALL PROJECT ONE INCH ABOVE THE FINISHED FLOOR. SLEEVES AND OPENINGS THROUGH FLOORS AND WALLS IN WHICH CONDUITS PASS SHALL BE PACKED AND SEALED WITH FIRE STOPPING MATERIAL TO PREVENT SPREAD OF FIRE AND SMOKE.

3.4 MISCELLANEOUS EQUIPMENT CONNECTIONS

VARIOUS ITEMS OF EQUIPMENT WILL BE FURNISHED AND SET IN PLACE BY OTHER TRADES. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO COMPLETE THE FIELD WIRING OF THIS EQUIPMENT SO THAT IT SHALL BE CONNECTED COMPLETE AND READY FOR OPERATION. WHERE DISCONNECT SWITCHES ARE INDICATED OR WHERE OTHERWISE REQUIRED, THEY SHALL BE MOUNTED IN AN ACCESSIBLE LOCATION AS DEFINED BY THE NATIONAL ELECTRICAL CODE. IT WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO VERIFY THAT THE RECEPTACLE SPECIFIED ON THE DRAWINGS WILL MATCH THE CONFIGURATION OF THE PLUG BEING FURNISHED ON THE APPLIANCE PRIOR TO INSTALLATION.

3.5 MOTOR WIRING

MOTORS FOR PUMPS, FANS, AIR CONDITIONING UNITS, ETC. WILL BE FURNISHED AND PLACED BY VARIOUS TRADES. MOTOR STARTERS SHALL BE FURNISHED BY THIS CONTRACTOR IF NOT PROVIDED BY OTHER TRADES AND IS REQUIRED FOR THE EQUIPMENT TO BE FULLY OPERATIONAL. STARTERS, WHERE FURNISHED BY OTHER TRADES, WILL BE TURNED OVER TO THIS CONTRACTOR WHO SHALL INSTALL THEM WHERE INDICATED, INCLUDING ALL WIRING FROM THE STARTERS TO THE MOTORS, ALL COMPLETE AND READY FOR OPERATION. WHERE DISCONNECT SWITCHES ARE INDICATED, OR REQUIRED BY THE CODE IN ADDITION TO THE STARTERS, THEY SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. FLEXIBLE CONDUIT SHALL BE USED AT ALL MOTOR CONNECTIONS. WHERE EXPOSED TO WEATHER, MOISTURE OR TO CONCENTRATE DUST OR FUMES, FLEXIBLE CONDUIT AND CONNECTORS SHALL BE WATERTIGHT.

3.6 EQUIPMENT SUPPORTS

PROVIDE STRUCTURAL STEEL FRAMEWORK AND HANGING RODS WITH BRACES AND ACCESSORIES WHERE SHOWN OR WHERE REQUIRED TO HOLD EQUIPMENT IN FINAL POSITION. PROVIDE STEEL STRAPS AND FRAMES TO SUPPORT WALL MOUNTED EQUIPMENT WHERE THE NORMAL WALL STRENGTH MAY BE INADEQUATE. ELECTRICAL DEVICES, MOTORS STARTERS, DISCONNECT SWITCHES, ETC. SHALL BE SUPPORTED INDEPENDENT OF AND ISOLATED FROM EQUIPMENT VIBRATION.

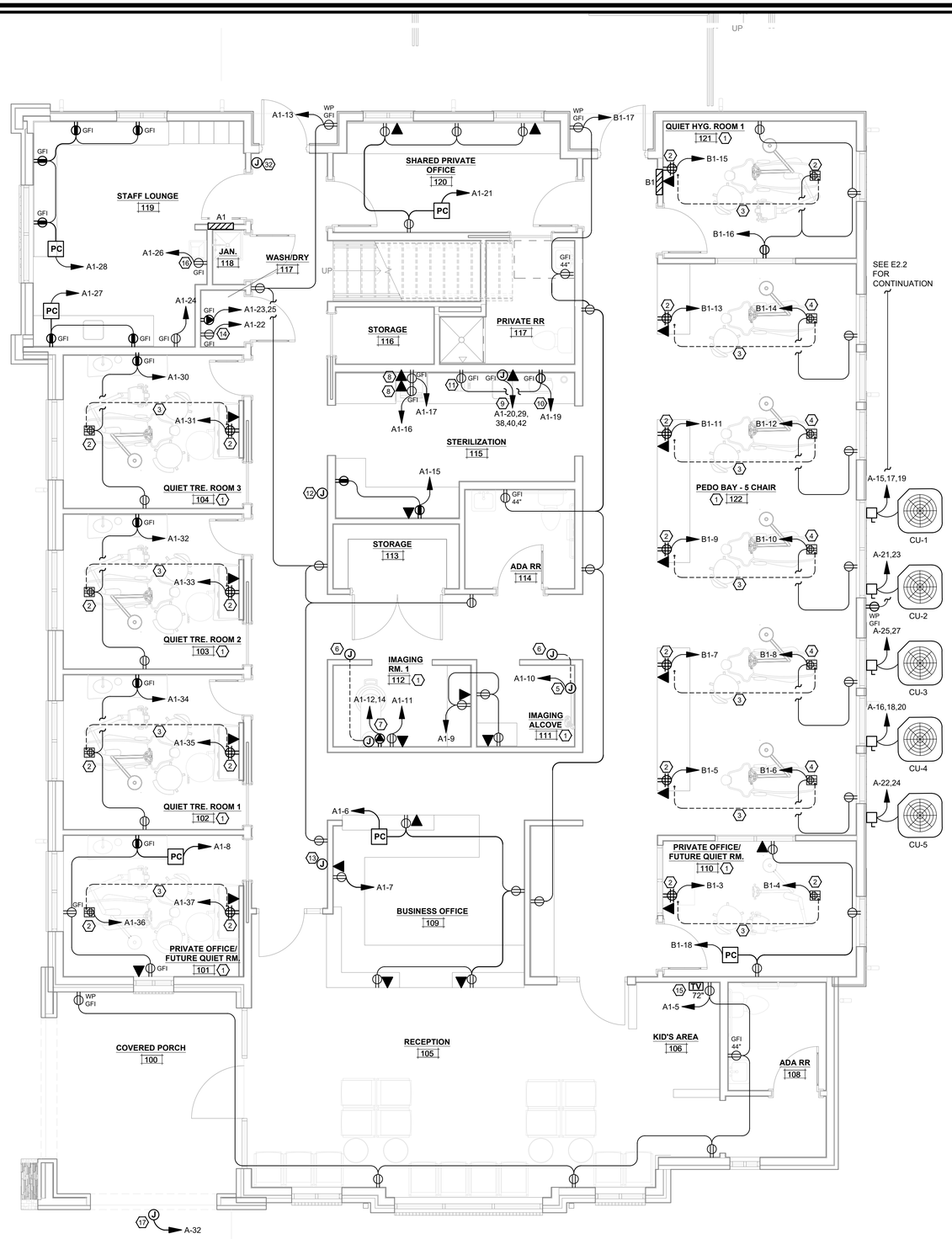
3.7 DENTAL EQUIPMENT

THE ELECTRICAL CONTRACTORS ARE DIRECTED TO THE DENTAL EQUIPMENT SUPPLIER DESIGN DOCUMENTATION AND SPECIFICATIONS FOR DENTAL EQUIPMENT ASSOCIATED ELECTRICAL COMPONENTS. THE ELECTRICAL CONTRACTORS SHALL ATTEND THE PRE-CONSTRUCTION MEETING TO DEFINE AND VERIFY ALL HIS RESPONSIBILITIES IN PROVIDING LABOR, MATERIAL AND EQUIPMENT FOR INSTALLATION AND CONNECTION OF HIS EQUIPMENT AND EQUIPMENT FURNISHED BY OTHERS AND INSTALLED BY HIM. IN GENERAL, BUT NOT LIMITED TO, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ELECTRICAL POWER, LOW VOLTAGE WIRING, COMMUNICATION WRING, AND INSTALLATION AND CONNECTION OF DENTAL EQUIPMENT IN ACCORDANCE WITH THE TOTAL DESIGN DOCUMENTATION. THE CONTRACTOR SHALL COORDINATE INSTALLATION WITH THE DENTAL EQUIPMENT SUPPLIER EQUIPMENT SPECIALIST; AND THE DENTAL DESIGN DOCUMENTATION PROVIDED BY DENTAL SYSTEM PRIOR TO PURCHASE, FABRICATION, AND/OR INSTALLATION. THE DRAWING DOCUMENTATION PROVIDED BY THE ELECTRICAL ENGINEER IS INTENDED TO REPRESENT THE GENERAL SCOPE OF WORK FOR THE DENTAL EQUIPMENT TASK TO BE PERFORMED. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR THE ACCURACY OF DENTAL DESIGN DOCUMENTATION, FUNCTION AND PERFORMANCE OF ASSOCIATED DENTAL EQUIPMENT, COMPONENTS, WIRING, ETC. ELEMENTS AND COMPONENTS NOT INCLUDED ON THE DRAWINGS, BUT ARE NECESSARY AND DEEMED ESSENTIAL FOR THE PROPER OPERATION AND FUNCTION FOR THE SYSTEMS, OR REQUIRED FOR COMPLIANCE WITH APPLICABLE CODES, SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST TO THE OWNER, ARCHITECT, AND/OR ENGINEERS.

3.8 EXCAVATION AND BACKFILL

THE CONTRACTOR SHALL PROVIDE EXCAVATION AS FOLLOWS FOR THE UNDERGROUND SERVICES FOR THIS PROJECT. TRENCHES SHALL BE OPENED IN STRAIGHT LINES AND BOTTOM OUT AT LEAST 4" BELOW CONDUITS OR DUCTS AND LEVELED WITH COMPACTED GRANULAR MATERIAL. UNLESS OTHERWISE INDICATED, THE MINIMUM DEPTH SHALL BE AS DEFINED BY THE NATIONAL ELECTRICAL CODE AND SHALL BE MAINTAINED BETWEEN TOP OF LARGEST CONDUIT OR DUCT AND FINISH GRADES. THE CONTRACTOR SHALL REMOVE ROCKS, BOULDERS, ETC., IN THE LINE OF THE EXCAVATION AND SHALL REMOVE SAME ITEMS FROM PROJECT SITE. THE CONTRACTOR SHALL CUT ANY INTERFERING TREES, REMOVE ALL STUMPS, ROCKS, ETC., IN THE LINE OF THE EXCAVATION. APPROVAL OF THE OWNER SHALL BE OBTAINED BEFORE ANY TREE IS REMOVED. ANY SHRUBBERY IN LINE OF EXCAVATION SHALL BE REMOVED WITH A BALL OF DIRT AND REPLACED AT COMPLETION OF EXCAVATION. WHERE EXCAVATION CROSSES EXISTING LAWNS, CONTRACTOR SHALL REMOVE SOD, PROPERLY STORE AND REPLACE SOD AT COMPLETION OF EXCAVATION. CARE SHALL BE EXERCISED DURING THE WORK TO SEE THAT NO UNNECESSARY DAMAGE OCCURS, IN THE OPINION OF THE OWNER, THE CONTRACTOR SHALL BE REQUIRED TO RECONDITION LAWNS AT HIS OWN EXPENSE. WHERE EXISTING SIDEWALKS, DRIVES, AND ROADWAYS MUST BE CUT, THEY SHALL BE SAW-CUT IN STRAIGHT LINES AT EXISTING EXPANSION JOINT OR CONTROL JOINT AND SHALL PRESENT A NEAT APPEARANCE WHEN RELAID AND SHALL MATCH EXISTING WORK. THE CONTRACTOR SHALL LOCATE EXISTING ELECTRIC FEEDERS, GAS LINES, WATER LINES, SANITARY LINES, AND ANY OTHER EXISTING UNDERGROUND SERVICE LINES BEFORE THE EXCAVATION IS STARTED. ALL RESPECTIVE SERVICE LINES SHALL BE STAKED AND THE TRENCH SHALL BE OPENED BY HAND AT THE LOCATIONS OF THE ABOVE SERVICES.

BACKFILLING INCLUDED IN THE ELECTRICAL CONTRACT SHALL INCLUDE TRENCHES WHICH ARE EXCAVATED UNDER THIS CONTRACT. B



1 FIRST FLOOR POWER PLAN

SCALE: 1/4" = 1' - 0"

POWER PLAN KEYED NOTES (#)

1. PATIENT CARE AREA. ALL BRANCH CIRCUITS IN THIS AREA SHALL BE PROVIDED IN A METAL RACEWAY SYSTEM OR WITH A CABLE HAVING A METALLIC ARMOR OR SHEATH ASSEMBLY. ALL BRANCH CIRCUITS SHALL BE PROVIDED WITH A REDUNDANT GROUND.
2. DENTAL CHAIR AND UTILITY CABINET RECEPTACLES. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 3)
3. SUB-FLOOR CONDUIT. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 4A)
4. PEDO BAY DENTAL CHAIR. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 5)
5. INTRAORAL X-RAY. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 9)
6. X-RAY REMOTE EXPOSURE STATION. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 9B)
7. PANORAMIC IMAGING UNIT. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 9C)
8. STERILIZER (AUTOCLAVE). COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 14A)
9. MODULAR STERILIZATION CENTER. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 14C)
10. ULTRASONIC CLEANER. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 15)
11. HANDPIECE MAINTENANCE SYSTEM. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 15B)
12. NITROUS OXIDE MANIFOLD/SYSTEM ALARM. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC34)
13. NITROUS OXIDE EMERGENCY SHUTOFF VALVE. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 34A)
14. WASHER AND DRYER. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 45)
15. WALL MOUNTED RECEPTACLE FOR TELEVISION. COORDINATE MOUNTING WITH TELEVISION MOUNTING BRACKET. COORDINATE EXACT LOCATION AND DETAILS WITH ARCHITECT/HENRY SCHEIN DENTAL PLAN PRIOR TO ROUGH-IN.
16. RECEPTACLE FOR WATER COOLER. PROVIDE GROUND-FAULT CIRCUIT-INTERRUPTER (GFCI) PROTECTION FOR THE RECEPTACLE SERVING THE WATER COOLER. THIS PROTECTION SHALL BE PROVIDED BY A GFCI CIRCUIT BREAKER OR OTHER LISTED GFCI DEVICE. A GFCI-TYPE RECEPTACLE MAY BE USED IN LIEU OF A GFCI CIRCUIT BREAKER, PROVIDED THE RECEPTACLE IS READILY ACCESSIBLE.
17. BUILDING SIGN. THE ELECTRICAL CONTRACTOR SHALL FIELD WIRE THE BUILDING SIGN PER THE SIGN SUPPLIER'S INSTALLATION INSTRUCTIONS. PROVIDE AND INSTALL A DEDICATED BRANCH CIRCUIT FROM THE EXTERIOR LIGHTING CONTACTOR TO SERVE THE BUILDING SIGN. SEE THE EXTERIOR LIGHTING CONTROL DIAGRAM FOR ADDITIONAL INFORMATION AND CIRCUIT DETAILS.

HVAC & PLUMBING EQUIPMENT ELECTRICAL SCHEDULE

EQUIPMENT MARK	EQUIPMENT NAME	VOLTAGE	PHASE	EQUIPMENT DISCONNECT	CONDUCTORS NUMBER/SIZE	EQUIPMENT GROUND	CONDUIT SIZE
AC-1	AIR CONDITIONER	208	3	60/3/NF/1	3 / #6	10	3/4
AC-2	AIR CONDITIONER	208	3	30/3/NF/1	3 / #10	10	3/4
AC-3	AIR CONDITIONER	208	3	30/3/NF/1	3 / #10	10	3/4
AC-4	AIR CONDITIONER	208	3	60/3/NF/1	3 / #6	10	3/4
AC-5	AIR CONDITIONER	208	3	30/3/NF/1	3 / #10	10	3/4
CU-1	CONDENSER UNIT	208	3	30/3/NF/3R	3 / #10	10	3/4
CU-2	CONDENSER UNIT	208	1	30/2/NF/3R	2 / #10	10	3/4
CU-3	CONDENSER UNIT	208	1	30/2/NF/3R	2 / #10	10	3/4
CU-4	CONDENSER UNIT	208	3	30/3/NF/3R	3 / #10	10	3/4
CU-5	CONDENSER UNIT	208	1	30/2/NF/3R	2 / #10	10	3/4
EH-1	ELECTRIC HEATER	120	1	30/1/NF/1	2 / #12	12	3/4
	WATER HEATER	208	3	CB	3 / #8	10	3/4
OHP-1	OUTDOOR HEAT PUMP	208	1	30/2/28/3R	2 / #10	10	3/4
FCU-1	FAN COIL UNIT	208	1	POWERED FROM OUTDOOR UNIT			
	DUPLEX SEWAGE PUMP	208	1	30/2/NF/1	2 / #12	12	3/4

*** CB = CIRCUIT BREAKER SERVES AS DISCONNECT; REC = PLUG AND RECEPTACLE SERVE AS DISCONNECT SWITCH**
TS=WEATHERPROOF TOGGLE SWITCH, LTS=SWITCHED WITH LIGHTS

DISCONNECT SWITCH NOMENCLATURE A/B / C / D; WHERE A = SIZE IN AMPS, B = NUMBER OF POLES, C = FUSED (F) OR NON-FUSED (NF), D = NEMA RATING

HVAC & PLUMBING ELECTRICAL SCHEDULE IS BASED ON THE UNITS PROVIDED IN THE MECHANICAL DRAWINGS. CONTRACTOR SHALL VERIFY THE UNITS PURCHASED BY THE MECHANICAL CONTRACTOR MATCH THESE PLANS. IF DIFFERENT UNITS ARE PURCHASED, THE CONTRACTOR SHALL PROVIDE OVERCURRENT PROTECTION AND BRANCH CIRCUITS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND NEC.

GENERAL NOTES

1. REFER TO ELECTRICAL SPECIFICATIONS ON SHEET E-1 FOR ADDITIONAL REQUIREMENTS OF WORK.
2. EXACT LOCATIONS OF MECHANICAL EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. COORDINATE THE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, DUCT DETECTORS, ETC., WITH MECHANICAL DRAWINGS AND CONTRACTOR.
3. ALL RECEPTACLES SHALL BE TAMPER-RESISTANT IN ACCORDANCE WITH NEC 406.12.
4. THE INFORMATION PROVIDED IN THESE SHEETS IS BASED ON EQUIPMENT CUT SHEETS INCLUDED WITH THESE PLANS. THE CONTRACTOR SHALL USE THESE DRAWINGS IN CONJUNCTION WITH THE EQUIPMENT CUT SHEETS TO DETERMINE THE FULL SCOPE OF WORK FOR THIS CONTRACT. SEE GENERAL NOTE 3.7 ON SHEET E-1 FOR FURTHER CLARIFICATION ON THE USE OF THESE PLANS IN CONJUNCTION WITH THE EQUIPMENT CUT SHEETS.

RAMSEY ENGINEERING SERVICES LLC
PHONE: 256-684-9445
EMAIL: CLARKRAMSEYEE@GMAIL.COM

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

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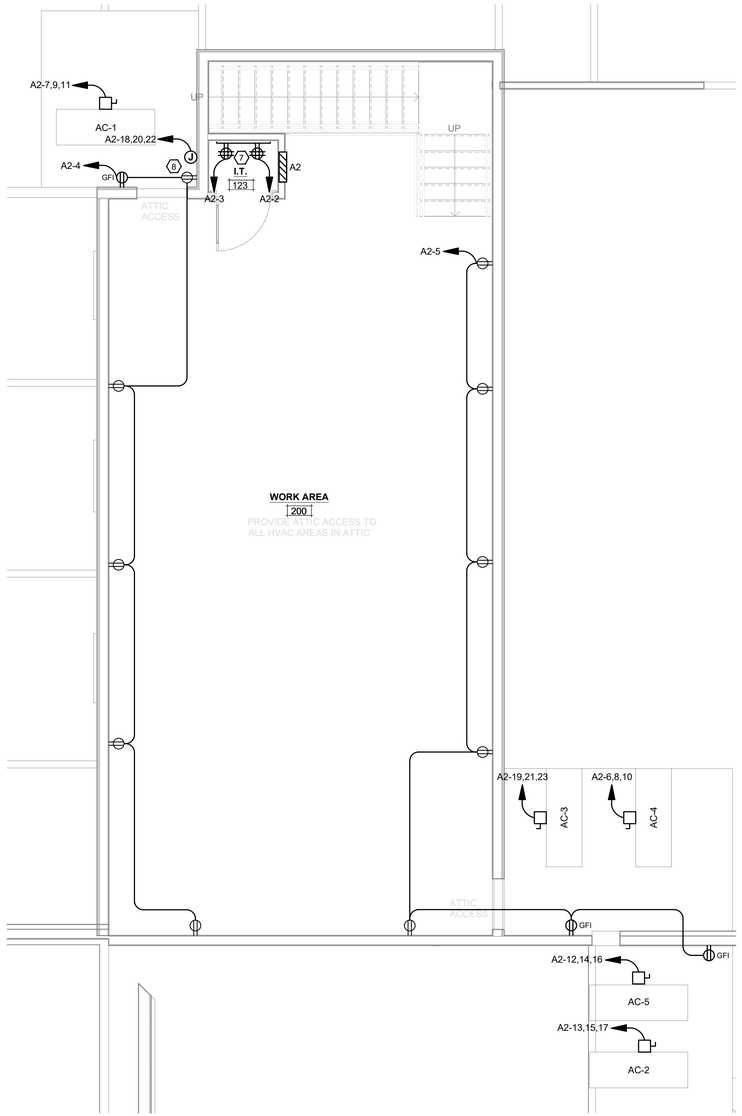
JOB NO.
25055

DESCRIPTION:
POWER PLAN

SHEET
E2.1

ALABAMA REGISTERED No. 27309 PROFESSIONAL ENGINEER ANNE CLARK RAMSEY JR. 2/20/2026

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1 MEZZANINE POWER PLAN

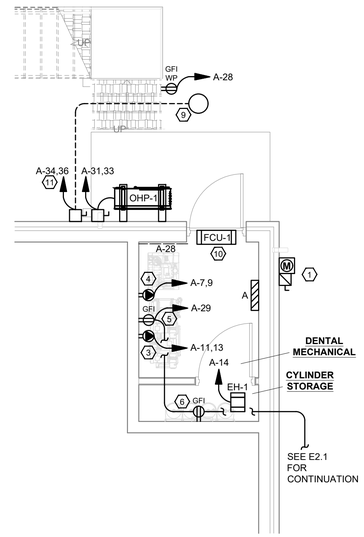
SCALE: 1/4" = 1' - 0"

POWER PLAN KEYED NOTES (#)

1. SERVICE DISCONNECT. COORDINATE METER LOCATION WITH UTILITY COMPANY. SEE RISER DIAGRAM FOR MORE INFORMATION.
2. EXHAUST FAN. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 23A)
3. COMPRESSOR. COORDINATE REQUIREMENTS WITH SCHEIN DENTAL PLAN. (SPEC 60). PROVIDE A 4KVA BUCK-BOOST TRANSFORMER TO STEP VOLTAGE UP FROM 208 VOLTS TO 230 VOLTS. COORDINATE REQUIREMENTS WITH SCHEIN DENTAL PLAN. (SPEC 25)
4. VACUUM. COORDINATE REQUIREMENTS WITH SCHEIN DENTAL PLAN. (SPEC 61). PROVIDE A 4KVA BUCK-BOOST TRANSFORMER TO STEP VOLTAGE UP FROM 208 VOLTS TO 230 VOLTS. COORDINATE REQUIREMENTS WITH SCHEIN DENTAL PLAN. (SPEC 27)
5. REMOTE WATER CONTROL VALVE. COORDINATE REQUIREMENTS WITH SCHEIN DENTAL PLAN. (SPEC 30)
6. NITROUS OXIDE & OXYGEN MANIFOLD/SYSTEM. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 33)
7. TELECOMMUNICATIONS BACKBOARD. SEE TELECOMMUNICATIONS RISER DIAGRAM FOR MORE INFORMATION.
8. RECEPTACLE FOR ELECTRIC WATER HEATER CIRCULATION PUMP AND PROGRAMMABLE TIME CLOCK. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
9. DUPLEX SEWAGE PUMP. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
10. INDOOR UNIT TO BE CONNECTED TO RESPECTIVE OUTDOOR UNIT WITH 2 #12, 1 #12 G, 3 / 4 INCH CONDUIT THROUGH A 2 POLE HP RATED SWITCH. WIRING TO ROUTED ADJACENT TO REFRIGERANT PIPING AS REQUIRED. COORDINATE WITH HVAC CONTRACTOR AND CONNECT EACH END AS REQUIRED.
11. PROVIDE A 4KVA BUCK-BOOST TRANSFORMER TO STEP VOLTAGE UP FROM 208 VOLTS TO 230 VOLTS FOR THE DUPLEX SEWAGE PUMP. COORDINATE REQUIREMENTS WITH THE SEWAGE PUMP SUPPLIER.

GENERAL NOTES

1. REFER TO ELECTRICAL SPECIFICATIONS ON SHEET E-1 FOR ADDITIONAL REQUIREMENTS OF WORK.
2. EXACT LOCATIONS OF MECHANICAL EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. COORDINATE THE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, DUCT DETECTORS, ETC., WITH MECHANICAL DRAWINGS AND CONTRACTOR.
3. ALL RECEPTACLES SHALL BE TAMPER-RESISTANT IN ACCORDANCE WITH NEC 406.12.
4. THE INFORMATION PROVIDED IN THESE SHEETS IS BASED ON EQUIPMENT CUT SHEETS INCLUDED WITH THESE PLANS. THE CONTRACTOR SHALL USE THESE DRAWINGS IN CONJUNCTION WITH THE EQUIPMENT CUT SHEETS TO DETERMINE THE FULL SCOPE OF WORK FOR THIS CONTRACT. SEE GENERAL NOTE 3.7 ON SHEET E-1 FOR FURTHER CLARIFICATION ON THE USE OF THESE PLANS IN CONJUNCTION WITH THE EQUIPMENT CUT SHEETS.



2 BASEMENT POWER PLAN

SCALE: 1/4" = 1' - 0"

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

ISSUE:
03.30.26
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JOB NO.
25055

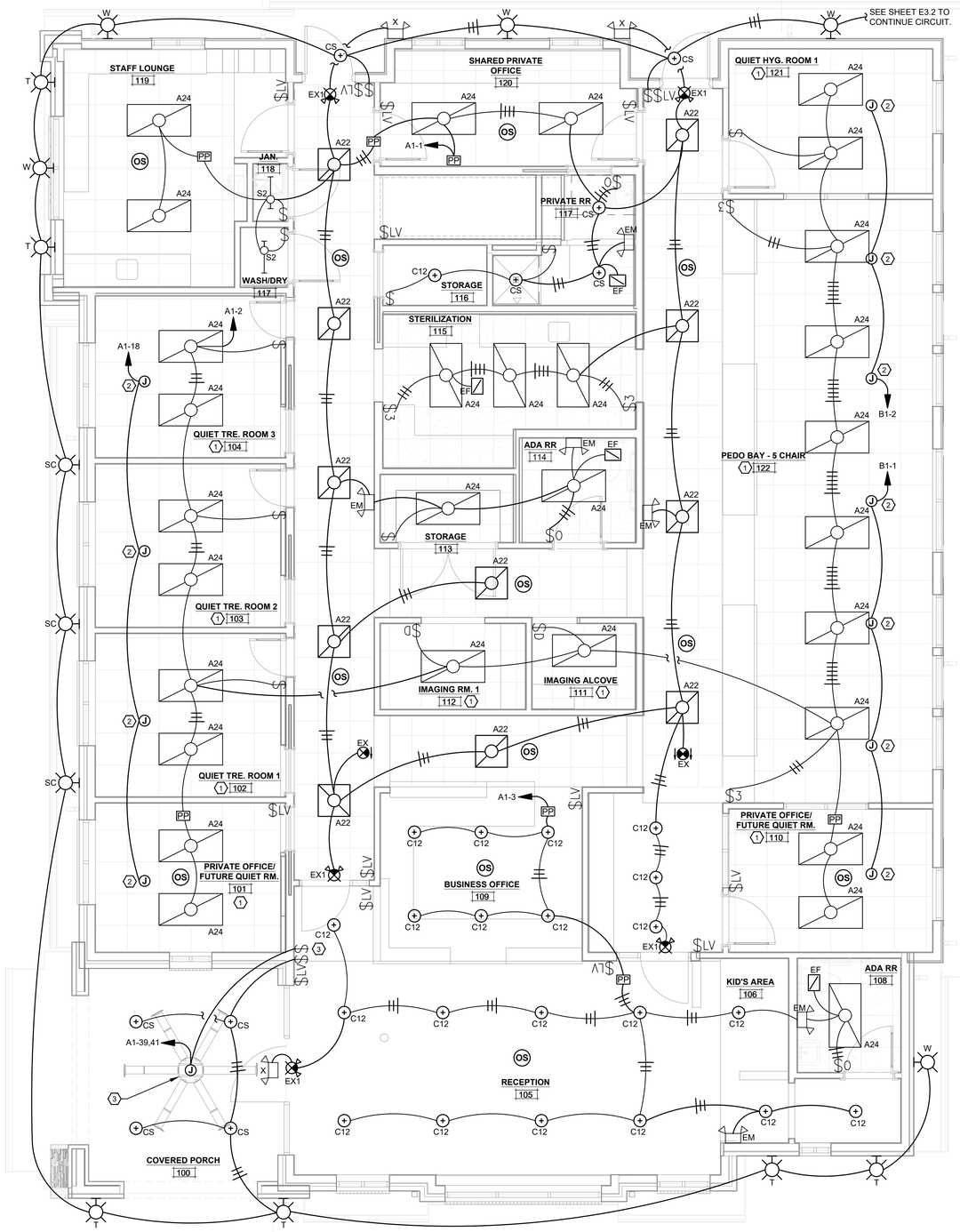
DESCRIPTION:
MEZZANINE AND BASEMENT POWER PLAN

SHEET
E2.2

RAMSEY ENGINEERING SERVICES LLC
PHONE: 256-684-9445
EMAIL: CLARKRAMSEYEE@GMAIL.COM

ALABAMA REGISTERED No. 27309 PROFESSIONAL 2/30/2026 ENGINEER CLARK RAMSEY JR

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1 FIRST FLOOR LIGHTING PLAN

SCALE: 1/4" = 1' - 0"

LIGHTING PLAN KEYED NOTES

1. PATIENT CARE AREA. ALL BRANCH CIRCUITS IN THIS AREA SHALL BE PROVIDED IN A METAL RACEWAY SYSTEM OR WITH A CABLE HAVING A METALLIC ARMOR OR SHEATH ASSEMBLY. ALL BRANCH CIRCUITS SHALL BE PROVIDED WITH A REDUNDANT GROUND.
2. DENTAL CEILING LIGHT. COORDINATE REQUIREMENTS WITH HENRY SCHEIN DENTAL PLAN. (SPEC 6A)
3. CEILING FAN. PROVIDE BIG ASS FANS BASIC 6 CEILING FAN, 8 FT DIAMETER, COMPLETE WITH CONTROLS. COORDINATE THE EXACT LOCATION OF THE CONTROL DEVICE WITH THE OWNER PRIOR TO ROUGH-IN.

GENERAL NOTES

1. REFER TO ELECTRICAL SPECIFICATIONS ON SHEET E-1 FOR ADDITIONAL REQUIREMENTS OF WORK.
2. ALL CIRCUITING SHOWN ON THIS PLAN IS DIAGRAMMATIC.
3. SWITCH BOX LOCATIONS SHALL BE WIRED SO THAT A NEUTRAL WIRE IS AVAILABLE AT THE SWITCH BOX LOCATION.
4. VERIFY EXACT ARRANGEMENT AND LOCATION OF ALL LIGHT SWITCHES WITH OWNER PRIOR TO ROUGH-IN.
5. COORDINATE LIGHT FIXTURES CCT AND LIGHT BRIGHTNESS FOR ALL LIGHT FIXTURES THAT ARE PROVIDED WITH FIELD SELECTABLE CCT AND LUMENS WITH OWNER.

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PHONE: 256-684-9445
EMAIL: CLARKRAMSEYEE@GMAIL.COM

BILL WHITTAKER P.C.
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236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

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4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

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DESCRIPTION:
FIRST FLOOR LIGHTING PLAN

SHEET
E3.1

ALABAMA REGISTERED No. 27309 PROFESSIONAL ENGINEER ANNE CLARK RAMSEY JR 2/30/2026

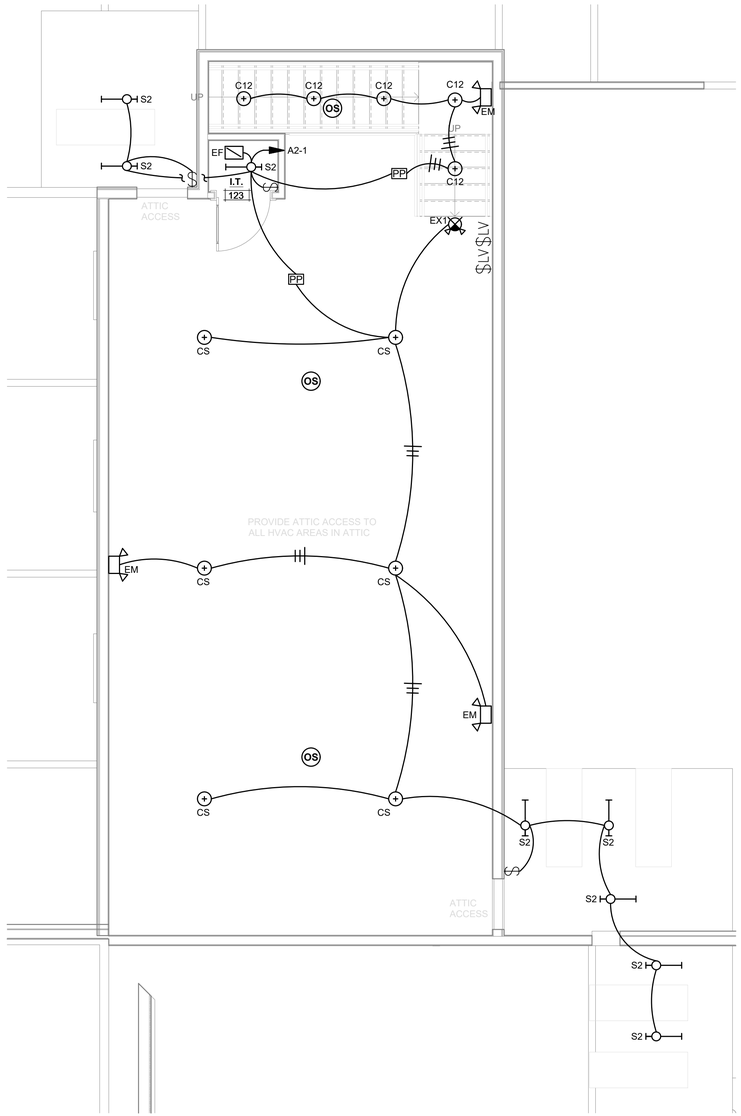
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LIGHTING PLAN KEYED NOTES

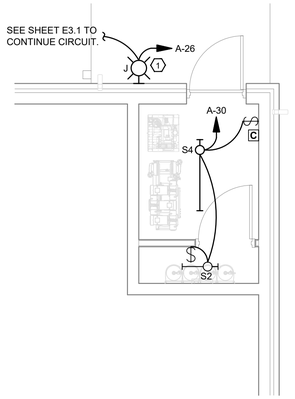
1. HOME RUN LIGHTING BRANCH CIRCUIT THROUGH LIGHTING CONTACTOR. SEE EXTERIOR LIGHTING CONTROL DIAGRAM FOR MORE INFORMATION.TELECOMMUNICATIONS BACKBOARD.

GENERAL NOTES

1. REFER TO ELECTRICAL SPECIFICATIONS ON SHEET E-1 FOR ADDITIONAL REQUIREMENTS OF WORK.
2. ALL CIRCUITING SHOWN ON THIS PLAN IS DIAGRAMMATIC.
3. SWITCH BOX LOCATIONS SHALL BE WIRED SO THAT A NEUTRAL WIRE IS AVAILABLE AT THE SWITCH BOX LOCATION.
4. VERIFY EXACT ARRANGEMENT AND LOCATION OF ALL LIGHT SWITCHES WITH OWNER PRIOR TO ROUGH-IN.
5. COORDINATE LIGHT FIXTURES CCT AND LIGHT BRIGHTNESS FOR ALL LIGHT FIXTURES THAT ARE PROVIDED WITH FIELD SELECTABLE CCT AND LUMENS WITH OWNER.



1 MEZZANINE LIGHTING PLAN
SCALE: 1/4" = 1' - 0"



2 BASEMENT LIGHTING PLAN
SCALE: 1/4" = 1' - 0"

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

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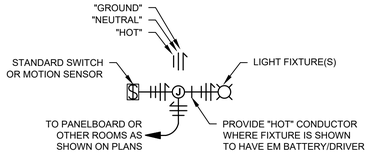
DESCRIPTION:
MEZZANINE AND BASEMENT LIGHTING PLAN

SHEET
E3.2

ALABAMA
REGISTERED
No. 27309
PROFESSIONAL
2/30/2026
ENGINEER
ANNE CLARK RAMSEY

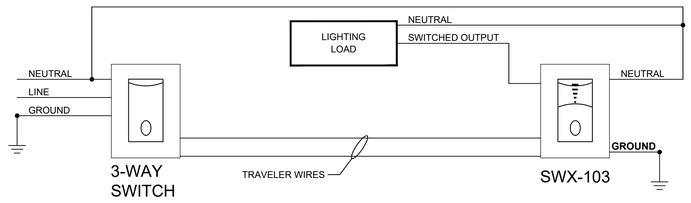
RAMSEY ENGINEERING SERVICES LLC
PHONE: 256-684-9445
EMAIL: CLARKRAMSEYEE@GMAIL.COM

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1 LINE VOLTAGE SWITCHES/SENSORS

NOT TO SCALE

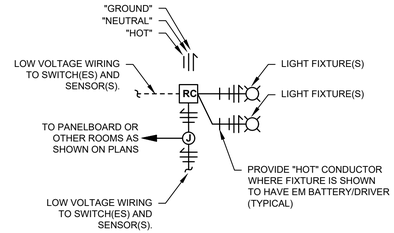


NOTES:

1. WALL MOUNTED 120 VOLT OCCUPANCY SENSOR 3-WAY WIRING DETAIL. ** VERIFY COLOR WITH OWNER/ARCHITECT
2. SOLID LINES REPRESENT CLASS 1 WIRING AND DASHED LINES REPRESENT CLASS 2 WIRING.
3. ALL EMERGENCY LIGHTS SHOULD BE WIRE WITH HOT CONDUCTOR AHEAD OF LIGHTING CONTROLS.

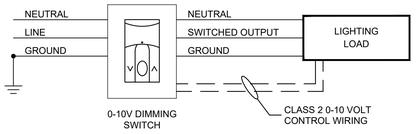
4 120V VACANCY SENSOR 3-WAY WIRING

NOT TO SCALE



2 ROOM CONTROLLERS / POWER PACKS

NOT TO SCALE

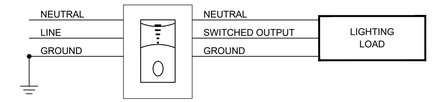


NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL ALL 0-10V CONTROL CABLING FROM EACH DIMMER SWITCH TO ALL ASSOCIATED 0-10V DIMMABLE LIGHT FIXTURES AS REQUIRED FOR FULL DIMMING CONTROL.
2. SOLID LINES REPRESENT CLASS 1 WIRING AND DASHED LINES REPRESENT CLASS 2 WIRING. CLASS 1 WIRING IS SHOWN ON THE LIGHTING PLANS; CLASS 2 WIRING IS NOT SHOWN.
3. 0-10V CONTROL WIRING SHALL BE INSTALLED AS CLASS 2 UNLESS OTHERWISE INDICATED OR RECLASSIFIED AS CLASS 1 PER NEC ARTICLE 725.
4. USE MINIMUM 18 AWG SHIELDED TWISTED PAIR CABLE FOR ALL 0-10V CONTROL WIRING. CONDUCTORS SHALL BE COLOR-CODED VIOLET AND PINK PER CURRENT NEMA AND INDUSTRY STANDARDS. S HIELD SHALL BE GROUNDED AT THE CONTROLLER/DIMMER END ONLY.
5. MAXIMUM 0-10V CONTROL WIRE RUN LENGTH SHALL NOT EXCEED 300 FEET (OR SHORTER DISTANCE AS RECOMMENDED BY THE SPECIFIC DIMMER AND LED DRIVER MANUFACTURERS) TO MINIMIZE VOLTAGE DROP AND ENSURE PROPER DIMMING PERFORMANCE. USE LARGER GAUGE (E.G., 16 AWG) FOR LONGER RUNS IF REQUIRED.

6 0-10V DIMMING TYPICAL WIRING DETAIL

NOT TO SCALE

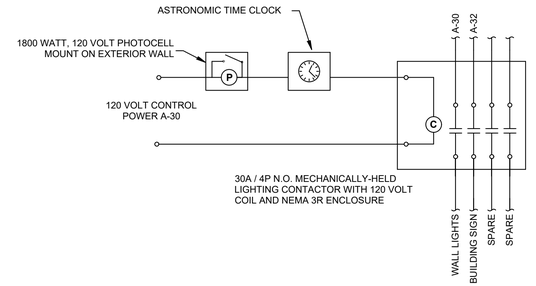


NOTES:

1. WALL MOUNTED OCCUPANCY SENSOR, 120V PASSIVE INFRARED (PIR) VACANCY SENSOR. PROVIDE SENSORWORX SWX-103-** OR EQUIVALENT. SET IN VACANCY MODE. PROVIDE NEUTRAL TO OUTLET BOX. CONNECT NEUTRAL TO SWITCH AS REQUIRED BY MANUFACTURER. ** VERIFY COLOR WITH OWNER/ARCHITECT
2. SOLID LINES REPRESENT CLASS 1 WIRING AND DASHED LINES REPRESENT CLASS 2 WIRING.
3. ALL EMERGENCY LIGHTS SHOULD BE WIRE WITH HOT CONDUCTOR AHEAD OF LIGHTING CONTROLS.

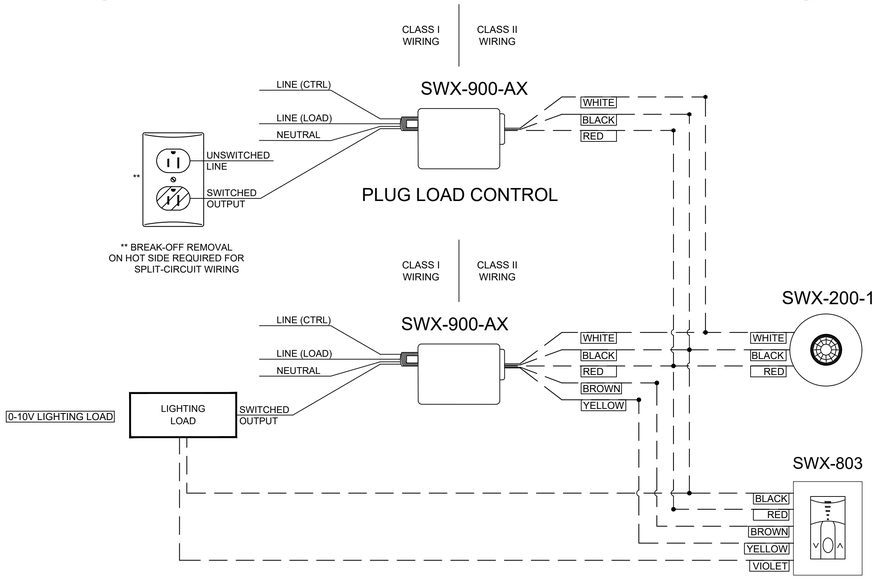
3 120V WALL SWITCH VACANCY SENSOR

NOT TO SCALE



5 EXTERIOR LIGHTING CONTROL DIAGRAM

NOT TO SCALE



7 0-10 VOLT DIMMING WITH VACANCY SENSORS & PLUG CONTROL

NOT TO SCALE

IECC 2021 COMPLIANCE NOTES

1. NEW LIGHT FIXTURES AND LIGHTING CONTROLS SHALL COMPLY WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE.
2. SUMMARY OF THE LIGHTING CONTROL REQUIREMENTS ARE AS FOLLOWS:
   - 2.1. AREAS WERE PATIENTS ARE SEEN WILL HAVE MANUAL ON/OFF CONTROL ONLY.
   - 2.2. AREAS THAT CONTAIN ELECTRICAL POWER PANELS WILL HAVE MANUAL ON/OFF CONTROL ONLY.
   - 2.3. THE CORRIDORS SHALL BE PROVIDED WITH MANUAL ON AND OFF CONTROL. THE OCCUPANCY SENSOR SHALL AUTOMATICALLY TURN ON LIGHTS WHEN OCCUPANTS ENTER THE AREA AND SHALL DIM THE LIGHTS TO 50% BRIGHTNESS WITHIN 20 MINUTES OF OCCUPANTS LEAVING THE AREA.
   - 2.4. THE LOBBY AND VESTIBULE SHALL BE PROVIDED WITH MANUAL ON AND OFF CONTROL. THE OCCUPANCY SENSOR IN THE LOBBY SHALL AUTOMATICALLY TURN ON LIGHTS WHEN OCCUPANTS ENTER THE ROOM AND SHALL TURN LIGHTS OFF WITHIN 20 MINUTES OF OCCUPANTS LEAVING.
   - 2.5. OFFICES, BREAK ROOMS, AND CONFERENCE ROOMS ARE PROVIDED WITH MANUAL ON AND OFF CONTROL AND OCCUPANCY SENSOR SHALL TURN OFF THE LIGHTS WITHIN 20 MINUTES OF OCCUPANTS LEAVING THE ROOM. 50% OF THE RECEPTACLES IN THIS SPACE SHALL BE CONTROLLED BY THE OCCUPANCY SENSOR TO TURN OFF POWER TO RECEPTACLES WITHIN 20 MINUTES OF OCCUPANTS LEAVING THE ROOM.
   - 2.6. STORAGE ROOMS AND REST ROOMS ARE PROVIDED WITH MANUAL ON AND OFF CONTROL AND OCCUPANCY SENSOR SHALL TURN OFF THE LIGHTS WITHIN 20 MINUTES OF OCCUPANTS LEAVING.
3. ALL EMERGENCY LIGHTS AND EXIT SIGNS SHALL BE WIRED AHEAD OF ALL AUTOMATED CONTROLS.
4. RECEPTACLES IN OFFICES AND BREAK ROOMS SHALL BE PROVIDED POWER VIA TIME CLOCK CONTROL

RAMSEY ENGINEERING SERVICES LLC
PHONE: 256-684-9445
EMAIL: CLARKRAMSEYEE@GMAIL.COM

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

ISSUE:
03.30.26
PROGRESS

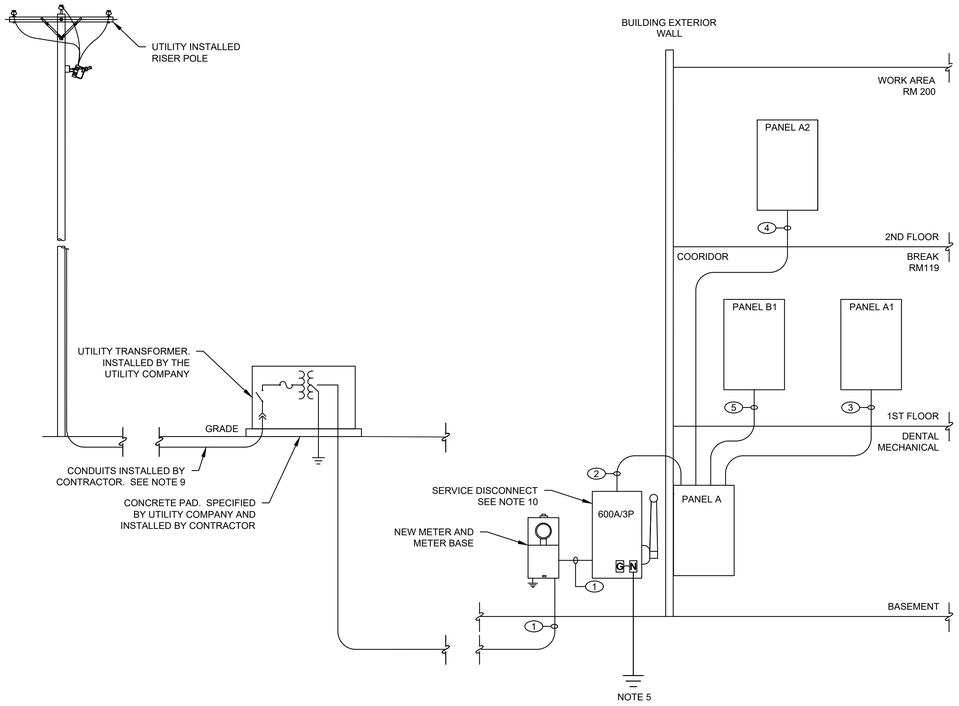
JOB NO.
25055

DESCRIPTION:
LIGHTING DETAILS

SHEET
E3.3

ALABAMA REGISTERED No. 27309 PROFESSIONAL ENGINEER WILL CLARK RAMSEY JR. 2/30/2026

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1 POWER RISER DIAGRAM
NOT TO SCALE

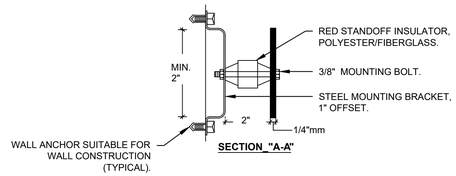
POWER RISER DIAGRAM NOTES:

1. SEE PANEL SCHEDULE FOR NUMBER OF BRANCH CIRCUITS, CIRCUIT BREAKERS, AND BRANCH CIRCUIT WIRE SIZES FOR ALL PANELBOARDS.
2. ARRANGE WITH THE LOCAL UTILITY COMPANY FOR A 600 AMP, 208/120 VOLT, THREE PHASE, FOUR WIRE ELECTRICAL SERVICE TO BE BROUGHT TO THE BUILDING, AND COORDINATE COMPLETE REQUIREMENTS FOR CONNECTION TO UTILITY POWER PRIOR TO PURCHASE FABRICATIONS AND INSTALLATION OF SERVICE EQUIPMENT AND WIRING. VERIFY WITH UTILITY COMPANY THAT LOCATIONS, ARRANGEMENT, UTILITY COMPANY VOLTAGE, PHASE, METERING REQUIRED, AND CONNECTIONS TO UTILITY SERVICE ARE IN ACCORDANCE WITH THEIR REGULATIONS AND REQUIREMENTS. IF THEIR REQUIREMENTS ARE AT A VARIANCE WITH THESE DRAWINGS, CONTRACTOR SHALL INCLUDE ALL COSTS NECESSARY TO MEET THE UTILITY REQUIREMENTS WITHOUT EXTRA COST TO THE OWNER AFTER BIDS ARE ACCEPTED.
3. SEE POWER PLAN FOR PANEL LOCATIONS.
4. COORDINATE THE LOCATION OF UTILITY POLE AND ALL CONDUCTOR ROUTINGS WITH THE UTILITY COMPANY PRIOR TO BID.
5. SEE GROUNDING DIAGRAM FOR BUILDING GROUNDING REQUIREMENTS.
6. ONCE ALL EQUIPMENT IS INSTALLED, PROVIDE A LABEL INDICATING THE AVAILABLE FAULT CURRENT AT EACH SERVICE DISCONNECT IN ACCORDANCE WITH NEC 110.24.
7. SERVICE ENTRANCE SHOWN REPRESENTS ALUMINUM CONDUCTORS ALL OTHER CONDUCTORS SHALL BE COPPER.
8. PROVIDE AND INSTALL METER BASE AND NEW METER AS SPECIFIED BY THE UTILITY COMPANY. METER BASE SHALL BE PROVIDED BY THE CONTRACTOR AND THE METER SHALL BE PROVIDED BY UTILITY COMPANY AND BOTH SHALL BE INSTALLED BY CONTRACTOR.
9. PROVIDE ONE 5" PVC CONDUIT FROM RISER POLE TOR TRANSFORMER. PROVIDE CONDUIT WITH A PULL WIRE. STUB CONDUIT UP THROUGH TRANSFORMER PAD AND UP 10 FT ON POLE. PRIMARY CONDUCTORS AND TRANSFORMER WILL BE INSTALLED BY UTILITY. THE POLE IS EXISTING. VERIFY TRANSFORMER LOCATION WITH UTILITY COMPANY PRIOR TO INSTALL. SEE SITE PLAN FOR APPROXIMATE ROUTING OF CONDUITS.
10. PROVIDE A 3-POLE, 600 AMP SERVICE RATED FUSED DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE. FUSES SHALL BE 600 AMP CLASS RK1 CURRENT LIMITING, DUAL ELEMENT, TIME DELAY FUSES IN ACCORDANCE WITH NOTE 2.8 ON SHEET E-1.

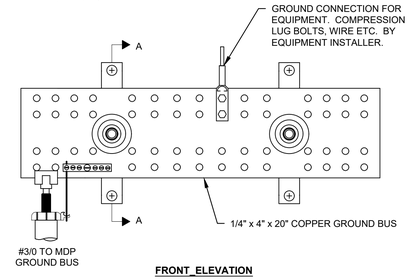
FEEDER SCHEDULE

FEEDER NUMBER	LOAD DESCRIPTION	CIRCUIT RATING	CONDUCTOR & CONDUIT SETS	CONDUCTORS NUMBER / SIZE	CONDUCTOR MATERIAL	GROUNDING CONDUCTOR	CONDUIT SIZE
1	DISC A	600	2	4 / #350 KCMIL	COPPER	SEE NOTE 3	4
2	A	600	2	4 / #350 KCMIL	COPPER	#1	2 1/2
3	A1	200	1	4 / #3/0	COPPER	#6	2
4	A2	200	1	4 / #3/0	COPPER	#6	2
5	B1	200	1	4 / #3/0	COPPER	#6	2

NOTES:
1. ALL GROUND CONDUCTORS SIZES ARE FOR COPPER CONDUCTORS.
2. FULL SIZE GROUND SHALL BE USED IN EACH CONDUIT FOR FOR PARALLEL FEEDERS.
3. NO EQUIPMENT GROUND CONDUCTOR. SEE RISER DIAGRAM FOR GROUND ELECTRODE CONDCUTOR SIZE AND ROUTING.



SECTION "A-A"



FRONT_ELEVATION

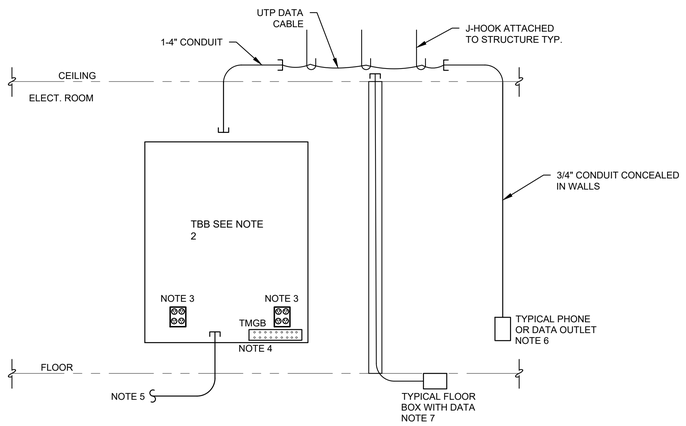
NOTES:

1. ADDITIONAL GROUND CONNECTIONS SHALL BE BY TELECOMMUNICATIONS EQUIPMENT INSTALLER.

3 TMGB DETAIL
SCALE: NOT TO SCALE

PRIOR TO BID

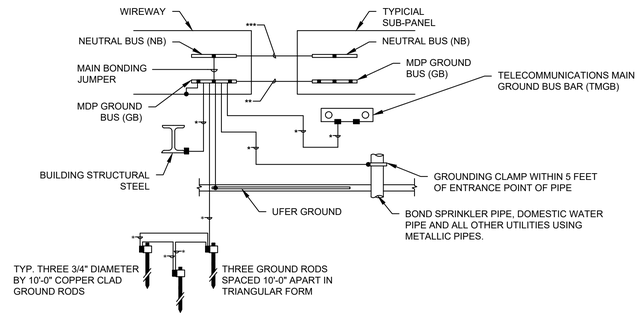
CONTRACTOR SHALL COORDINATE CONNECTION REQUIREMENTS WITH UTILITY COMPANY PRIOR TO BID. CONTRACTOR SHALL VERIFY ANY AID TO CONSTRUCTION COSTS REQUIRED BY THE UTILITY COMPANY AND INCLUDED THIS COST IN THEIR CONTRACT BID.



2 TELECOMMUNICATIONS RISER DIAGRAM
NOT TO SCALE

TELECOMMUNICATIONS RISER DIAGRAM NOTES:

1. PROVIDE CONDUIT CONCEALED IN WALLS FOR OUTLETS AND AT THE TELECOMMUNICATION MAIN BACKBOARD. STUB CONDUIT INTO SPACE ABOVE CEILING 24". PROVIDE ALL INSULATED BUSHINGS ON ALL CONDUITS STUB OUTS INTO ROOMS AND CEILING SPACES. PROVIDE PULL STRINGS IN ALL CONDUITS.
2. TELECOMMUNICATIONS BACKBOARD. PROVIDE A 3' W X 8' TALL X 3/4" THICK FIRE RETARDANT PLYWOOD BACKBOARD IN EACH BUILDING.
3. QUAD OUTLET ON DEDICATED 20 AMP CIRCUIT. SEE POWER PLAN AND PANEL SCHEDULE FOR CIRCUIT INFORMATION.
4. TELECOMMUNICATIONS MAIN GROUND BUS BAR. SEE TELECOMMUNICATIONS MAIN GROUND BUS BAR DETAIL FOR MORE INFORMATION.
5. 4" UNDERGROUND PVC SCHEDULE 40 CONDUIT TO SERVICE PROVIDER CONNECTION POINT.
6. DATA/PHONE OUTLET BOXES SHOWN ARE TYPICAL. ALL LOCATIONS ARE IDENTIFIED ON POWER PLANS. J-HOOKS SHOWN ON THIS DETAIL ARE INSTALLED BY TELECOMMUNICATIONS CABLE INSTALLER AND SHALL BE INSTALLED TO BUILDING STRUCTURE APPROXIMATELY EVERY 4'.
7. FOR FLOOR BOXES THAT CONTAIN DATA OUTLETS, PROVIDE A 3/4" CONDUIT UNDER THE FLOOR TO THE NEAREST WALL. ROUTE CONDUIT UP THE WALL AND STUB 24" INTO SPACE ABOVE CEILING. PROVIDE CONDUIT WITH AN INSULATED BUSHING.



* - GROUND CABLE SHALL BE #3/0 COPPER. ROUTE IN 1" PVC CONDUIT INSIDE BUILDING

** - EQUIPMENT GROUND CONDUCTORS. SIZE PER FEEDER SCHEDULE

*** - NEUTRAL CONDUCTORS. SIZE PER FEEDER SCHEDULE.

UFER GROUND: EXTEND THE GROUND ELECTRODE SYSTEM TO A CONTINUOUS 20' LENGTH OF REBAR IN THE BUILDING FOUNDATION. CONNECTIONS TO BE BY EXOTHERMIC WELD OR PERMANENT MECHANICAL FASTENER SUITABLE FOR THE LOCATIONS.

4 GROUNDING DIAGRAM
SCALE: NOT TO SCALE

RAMSEY ENGINEERING SERVICES LLC
PHONE: 256-684-9445
EMAIL: CLARKRAMSEYEE@GMAIL.COM

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

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VESTAVIA HILLS, AL 35243

ISSUE:
03.30.26
PROGRESS

JOB NO.
25055

DESCRIPTION:
RISER DIAGRAMS

SHEET
E4.0

ALABAMA REGISTERED No. 27309 PROFESSIONAL ENGINEER ANNIE CLARK RAMSEY JR. 2/20/2026

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PANELBOARD: **A** | LOCATION: **DENTAL MECHANICAL** | MAIN: **600 AMP, MLO** | VOLTAGE: **208/120 VOLTS**
SUPPLIED FROM: **DISC A** | FEED: **TOP** | MAIN CKT BKR: **NONE** | PHASE: **3**
MOUNTED: **SURFACE** | ENCLOSURE: **NEMA 1** | ASYM A.I.C MIN.: **22 K** | WIRE: **4**

LOAD SERVED	NO. POLES	TRIP AMPS	WIRE SIZE	VA/ PHASE A	VA/ PHASE B	VA/ PHASE C	CKT NO.	CKT NO.	VA/ PHASE A	VA/ PHASE B	VA/ PHASE C	WIRE SIZE	TRIP AMPS	NO. POLES	LOAD SERVED
				19741			1	2	16042						
PANEL A2	3	200	***		20388		3	4		10539		***	200	3	PANEL A1
						20210	5	6			16526				
DENTAL VACUUM	2	30	10	2070			7	8	8310						
					2070		9	10		9675		***	200	3	PANEL B1
DENTAL COMPRESSOR	2	40	8			2760	11	12			7830				
				2760			13	14	750			12	20	1	ELEC HTR EH-1 **
					1729		15	16		1729					
** CU-1	3	30	10			1729	17	18			1729	10	30	3	CU-4 **
				1729			19	20	1729						
					1331		21	22		1331					
** CU-2	2	25	10			1331	23	24			1331	10	25	2	CU-5 **
				1331			25	26	378			12	20	1	L-EXT WALL MOUNTS
** CU-3	2	25	10		1331		27	28		180		12	20	1	R-DUPLEX SEWAGE PUMP
R-MECH RM	1	20	12			540	29	30			62	12	20	1	L-MECH RM
				915			31	32	1200			12	20	1	BUILDING SIGN
** OHP-1	2	30	10		915		33	34		690		12	20	2	DUPLEX SEWAGE PUMP *
SPARE	1	20					35	36			690				
SPARE	1	20					37	38					20	1	SPARE
SPARE	1	20					39	40					20	1	SPARE
SPARE	1	20					41	42					20	1	SPARE
				28546	27764	26570			28409	24144	28168				

ABBREVIATIONS:
R-RECEPTACLE, L-LIGHTS

TOTAL VA PHASE A: 56,955
TOTAL VA PHASE B: 51,908
TOTAL VA PHASE C: 54,738

TOTAL CONNECTED: 163,601

NOTES:
1. **CIRCUIT BREAKERS WITH * SHALL GFCI CIRCUIT BREAKERS**
2. **CIRCUIT BREAKERS WITH ** SHALL BE HACR RATED CIRCUIT BREAKER**
3. **CIRCUIT BREAKERS WITH *** SEE FEEDER SCHEDULE FOR WIRE SIZE**
4. **WATER HEATER CIRCUIT BREAKERS SHALL BE CAPABLE OF BEING LOCKED IN OPEN POSITION**

PANELBOARD: **A1** | LOCATION: **BREAK ROOM** | MAIN: **200 AMP** | VOLTAGE: **208/120 VOLTS**
SUPPLIED FROM: **A** | FEED: **TOP** | MAIN CKT BKR: **200 AMP** | PHASE: **3**
MOUNTED: **RECESSED** | ENCLOSURE: **NEMA 1** | ASYM A.I.C MIN.: **10 K** | WIRE: **4**

LOAD SERVED	NO. POLES	TRIP AMPS	WIRE SIZE	VA/ PHASE A	VA/ PHASE B	VA/ PHASE C	CKT NO.	CKT NO.	VA/ PHASE A	VA/ PHASE B	VA/ PHASE C	WIRE SIZE	TRIP AMPS	NO. POLES	LOAD SERVED
L-SHARED OFF RM 120	1	20	12	1354			1	2	1210						
L-RECP RM 105	1	20	12		476		3	4					20	1	SPARE
R-KID'S AREA	1	20	12			1080	5	6			720	12	20	1	R-BUS OFFICE
R-PRINTER BUS OFF	1	20	12	540			7	8	540			12	20	1	R-PRIV OFF/QT RM 101
R-IMAGING RM 1 RM 112	1	20	12		540		9	10		575		12	20	1	INTRAORAL XRAY
PANORAMIC XRAY	1	20	12			900	11	12			450				
R-REAR EXT NEAR RM 120	1	20	12	900			13	14	450			12	20	2	PANORAMIC XRAY
R-STERIL DESK	1	20	12		360		15	16		1725		12	20	1	STERILIZER AUTOCLAVE
STERILIZER AUTOCLAVE	1	20	12			1725	17	18			1200	12	20	1	DENTAL CEILING LTS
R-U CLNR/MAINT SYS RM 115	1	20	12	360			19	20	1200			12	20	1	MOD STERILIZATION CTR
R-SHARED OFFICE RM 120	1	20	12		720		21	22		250		12	20	1	WASHER
						2500	23	24			600	12	20	1	REFRIGERATOR RM 119
DRYER	2	30	10	2500			25	26	1000			12	20	1	DRINKING FOUNTAIN *
R-STAFF LOUGE RM 119	1	20	12		360		27	28		720		12	20	1	R-STAFF LOUNGE RM 119
MOD STERILIZATION CTR	1	20	12			1200	29	30			1338	12	20	1	DNTL CHAIR QT RM 104
UTIL CAB QT RM 104	1	20	12	1725			31	32	1338			12	20	1	DNTL CHAIR QT RM 103
UTIL CAB QT RM 103	1	20	12		1725		33	34		1338		12	20	1	DNTL CHAIR QT RM 102
UTIL CAB QT RM 102	1	20	12			1725	35	36			1338	12	20	1	DNTL CHAIR QT RM 101
UTIL CAB QT RM 101	1	20	12	1725			37	38	1200			12	20	1	MOD STERILIZATION CTR
					550		39	40		1200		12	20	1	MOD STERILIZATION CTR
CEILING FAN	2	20	12			550	41	42			1200	12	20	1	MOD STERILIZATION CTR
				9104	4731	9680			6938	5808	6846				

ABBREVIATIONS:
R-RECEPTACLE, L-LIGHTS

TOTAL VA PHASE A: 16,042
TOTAL VA PHASE B: 10,539
TOTAL VA PHASE C: 16,526

TOTAL CONNECTED: 43,107

NOTES:
1. **CIRCUIT BREAKERS WITH * SHALL GFCI CIRCUIT BREAKERS**
2. **CIRCUIT BREAKERS WITH ** SHALL BE HACR RATED CIRCUIT BREAKER**
3. **CIRCUIT BREAKERS WITH *** SEE FEEDER SCHEDULE FOR WIRE SIZE**
4. **WATER HEATER CIRCUIT BREAKERS SHALL BE CAPABLE OF BEING LOCKED IN OPEN POSITION**

PANELBOARD: **B1** | LOCATION: **1ST FLOOR COORIDOR** | MAIN: **200 AMP** | VOLTAGE: **208/120 VOLTS**
SUPPLIED FROM: **A** | FEED: **TOP** | MAIN CKT BKR: **200 AMP** | PHASE: **3**
MOUNTED: **SURFACE** | ENCLOSURE: **NEMA 1** | ASYM A.I.C MIN.: **10 K** | WIRE: **4**

LOAD SERVED	NO. POLES	TRIP AMPS	WIRE SIZE	VA/ PHASE A	VA/ PHASE B	VA/ PHASE C	CKT NO.	CKT NO.	VA/ PHASE A	VA/ PHASE B	VA/ PHASE C	WIRE SIZE	TRIP AMPS	NO. POLES	LOAD SERVED
DENTAL CEILING LTS	1	20	12	1200			1	2	900			12	20	1	DENTAL CEILING LTS
UTIL CAB QT RM 110	1	20	12		1725		3	4		1560		12	20	1	DNTL CHAIR QT RM 110
UTIL CAB PEDO BAY 1	1	20	12			1725	5	6			1380	12	20	1	PEDO BAY CHAIR 1
UTIL CAB PEDO BAY 2	1	20	12	1725			7	8	1380			12	20	1	PEDO BAY CHAIR 2
UTIL CAB PEDO BAY 3	1	20	12		1725		9	10		1380		12	20	1	PEDO BAY CHAIR 3
UTIL CAB PEDO BAY 4	1	20	12			1725	11	12			1380	12	20	1	PEDO BAY CHAIR 4
UTIL CAB PEDO BAY 5	1	20	12	1725			13	14	1380			12	20	1	PEDO BAY CHAIR 5
UTIL CAB QT RM 121	1	20	12		1725		15	16		1560		12	20	1	DNTL CHAIR QT RM 121
R-REAR EXT NEAR RM 121	1	20	12			1080	17	18			540	12	20	1	R-PRIV OFF/QT RM 110
SPARE	1	20					19	20					20	1	SPARE
SPARE	1	20					21	22					20	1	SPARE
SPARE	1	20					23	24					20	1	SPARE
SPARE	1	20					25	26					20	1	SPARE
SPARE	1	20					27	28					20	1	SPARE
SPARE	1	20					29	30					20	1	SPARE
SPARE	1	20					31	32					20	1	SPARE
SPARE	1	20					33	34					20	1	SPARE
SPARE	1	20					35	36					20	1	SPARE
SPARE	1	20					37	38					20	1	SPARE
							39	40							
							41	42							
				4650	5175	4530			3660	4500	3300				

ABBREVIATIONS:
R-RECEPTACLE, L-LIGHTS

TOTAL VA PHASE A: 8,310
TOTAL VA PHASE B: 9,675
TOTAL VA PHASE C, 7,830

TOTAL CONNECTED: 25,815

NOTES:
1. **CIRCUIT BREAKERS WITH * SHALL GFCI CIRCUIT BREAKERS**
2. **CIRCUIT BREAKERS WITH ** SHALL BE HACR RATED CIRCUIT BREAKER**
3. **CIRCUIT BREAKERS WITH *** SEE FEEDER SCHEDULE FOR WIRE SIZE**
4. **WATER HEATER CIRCUIT BREAKERS SHALL BE CAPABLE OF BEING LOCKED IN OPEN POSITION**

FIXTURE SCHEDULE

FIXTURE DESIGNATION	FIXTURE TYPE OR EQUIVALENT	LAMP			VOLTAGE	MOUNTING	REMARKS
		TYPE	NO.	DESCRIPTION			
A22	EATON-METALUX 22FPSL2SCT3	LED	-	3000K - 3500K - 4000K CCT / 1850 - 2600 - 3200 LM / 80 CRI	120V	RECESSED	2' X 2' LED FLAT PANEL WITH SELECTABLE LUMENS AND CCT. RECESSED MOUNTED FIXTURE.
A24	EATON-METALUX 24FPSL2SCT3	LED	-	3000K - 3500K - 4000K CCT / 3500 - 4600 - 6200 LM / 80 CRI	120V	RECESSED	2' X 4' LED FLAT PANEL WITH SELECTABLE LUMENS AND CCT. RECESSED MOUNTED FIXTURE.
C12	HALO H750ICAT-ML5615LSWWFL9FSE010-692SC	LED	1	2700K - 5000K CCT / 650 - 900 - 1200 LM / 90 CRI	120V	RECESSED	HALO 6" ML56 LED DOWNLIGHT WITH SPECULAR REFLECTOR. FIXTURE PROVIDED WITH FIELD SELECTABLE CCT AND FIELD SELECTABLE LUMENS. FIXTURE CAPABLE OF 0-10V DIMMING.
EX	LITHONIA LQM S W 3 R 120/277 EL N	LED	-	LED	120V	WALL 7'-6"	SINGLE FACE EXIT SIGN, RED LETTERS, SUPPLIED WITH EMERGENCY BATTERY
EX1	LITHONIA LHQM LED R	LED	2	1.5W WHITE LED	120V	WALL 7'-6"	EXIT SIGN / TWO LAMP HEAD LED EMERGENCY LIGHTING COMBINATION UNIT
EM	LITHONIA ELM2 LED	LED	2	1.5W WHITE LED	120V	WALL 7'-6"	TWO LAMP HEAD LED EMERGENCY LIGHTING UNIT
J	EATON - ALL-PRO FE0650LPC2	LED	1	760LM / 5000K / 11.3 WATTS	120V	WALL 6'-0"	LED WHITE JELLY JAR WALL SCONCE WITH A ONE PERCENT DIFFUSE LONG LENS
S2	LITHONIA CSS L24 ALO15 MVOLT SWW3 80CRI	LED	1	35K-40K-50K CCT / 1842-2757 LM	120V	SURFACE	2 FOOT LED STRIP LIGHT. FIXTURE PROVIDED WITH FIELD SELECTABLE CCT AND FIELD SELECTABLE LUMENS.
S4	LITHONIA CSS L48 ALO3 MVOLT SWW3 80CRI	LED	1	35K-40K-50K CCT / 3851-5884 LM	120V	SURFACE	4 FOOT LED STRIP LIGHT. FIXTURE PROVIDED WITH FIELD SELECTABLE CCT AND FIELD SELECTABLE LUMENS.
SC	CON TECH LIGHTING WS075L 30K MVD21 - AB	LED	-	30K CCT / 600 LM / 12 WATTS	120V	WALL 7'-6"	QUANDRIS 12W LED DECORATIVE METAL WET LOCATION WALL SCONSE. HORIZONTAL FACEPLATE DESIGN. COORDINATE FIXTURE FINISH WITH OWNER/ARCHITECT. LISTED FOR WET LOCATIONS.
T	VISUAL COMFORT & CO 7000WTEG 8 30 N 18 C B DO UNV	LED	-	30K CCT / 2400 LM / 30 WATTS	120V	WALL 7'-6"	WALL MOUNT LUMINAIRE. NARROW BEAM. DOWNLIGHT ONLY. COORDINATE FIXTURE FINISH WITH OWNER ARCHITECT. LISTED FOR WET LOCATIONS.
W	LITHONIA WPX0 LED ALO SWW2 MVOLT	LED	1	30K-40K-50K CCT / 850-1650 LM	120V	WALL 8'-0"	LED WALL PACK
X	LITHONIA AFB OEL DDBTXD UVOLT N WT	LED	1	2.5 WATTS	120V	WALL	ARCHITECTURAL EMERGENCY LIGHTING UNIT

PANELBOARD: **A2** | LOCATION: **WORK AREA 200** | MAIN: **200 AMP** | VOLTAGE: **208/120 VOLTS**
SUPPLIED FROM: **A** | FEED: **TOP** | MAIN CKT BKR: **200 AMP** | PHASE: **3**
MOUNTED: **RECESSED** | ENCLOSURE: **NEMA 1** | ASYM A.I.C MIN.: **10 K** | WIRE: **4**

LOAD SERVED	NO. POLES	TRIP AMPS	WIRE SIZE	VA/ PHASE A	VA/ PHASE B	VA/ PHASE C	CKT NO.	CKT NO.	VA/ PHASE A	VA/ PHASE B	VA/ PHASE C	WIRE SIZE	TRIP AMPS	NO. POLES	LOAD SERVED
L-I.T. CLOSET	1	20	12	433			1	2	360			12	20	1	R-I.T. CLOSET
R-I.T. CLOSET	1	20	12		360		3	4		1080		12	20	1	R-ATTIC NORTH
R-WORK AREA RM 200	1	20	12			1260	5	6			3939				
				3939			7	8	3939			6	45	3	AC-4 **
** AC-1	3	45	6		3939		9	10		3939					
						3939	11	12			2690				
				2690			13	14	2690			10	30	3	AC-5 **
** AC-2	3	30	10		2690		15	16		2690					
						2690	17	18			3000				
				2690			19	20	3000			8	35	3	ELEC WATER HEATER
** AC-3	3	30	10		2690		21	22		3000					
						2692	23	24					20	1	SPARE
SPARE	1	20					25	26					20	1	SPARE
SPARE	1	20					27	28					20	1	SPARE
SPARE	1	20					29	30					20	1	SPARE
SPARE	1	20					31	32					20	1	SPARE
SPARE	1	20					33	34					20	1	SPARE
SPARE	1	20					35	36					20	1	SPARE
SPARE	1	20					37	38					20	1	SPARE
							39	40							
							41	42							
				9752	9679	10581			9989	10709	9629				

ABBREVIATIONS:
R-RECEPTACLE, L-LIGHTS

TOTAL VA PHASE A: 19,741
TOTAL VA PHASE B: 20,388
TOTAL VA PHASE C: 20,210

TOTAL CONNECTED: 60,339

NOTES:
1. **CIRCUIT BREAKERS WITH * SHALL GFCI CIRCUIT BREAKERS**
2. **CIRCUIT BREAKERS WITH ** SHALL BE HACR RATED CIRCUIT BREAKER**
3. **CIRCUIT BREAKERS WITH *** SEE FEEDER SCHEDULE FOR WIRE SIZE**
4. **WATER HEATER CIRCUIT BREAKERS SHALL BE CAPABLE OF BEING LOCKED IN OPEN POSITION**

BILL WHITTAKER P.C.
ARCHITECTURE
236 MARTIN STREET
ANNISTON, ALABAMA 36206
256.689.0238
WWW.BILLWARCH.COM

NEW DENTAL OFFICE FOR
SUMMIT SMILES- DR GUNNELS
4308 DOLLY RIDGE ROAD
VESTAVIA HILLS, AL 35243

ISSUE:
03.30.26
PROGRESS

JOB NO.
25055

DESCRIPTION:
ELECTRICAL SCHEDULES

SHEET
E5.0

RAMSEY ENGINEERING SERVICES LLC
PHONE: 256-684-9445
EMAIL: CLARKRAMSEYEE@GMAIL.COM

ALABAMA
REGISTERED
No. 27309
PROFESSIONAL
2/30/2026
ENGINEER
ANNE CLARK RAMSEY JR

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Landscape Maintenance Chart

Plant Type	Plant Examples	Pruning*/Mowing/Weeding Practice
All trees		Maintain canopy at min. size of 2/3 of overall height of tree for aesthetic, natural, appearance of trees
Street trees and parking lot	Shumard Oak, Trident Maple	Allow to form a natural canopy, for the first 6 years prune every other year, then every 5 years to reinforce central leader. Maintain clear trunk to allow good visibility, remove suckers, only prune dead wood and for strong limb structure with central leader.
Perimeter trees and parking lot	Oaks, American Elm, Zelkova	Allow to form a natural canopy, for the first 6 years prune every other year, then every 5 years to reinforce central leader if applicable. Maintain clear trunk to allow good visibility, remove suckers, only prune dead wood and for strong limb structure.
Newly planted natural areas	Hardwoods, Pines	Maintain installed pinestraw or grasses in area. Allow trees to form a natural canopy, only limited structural pruning. Annually monitor area for invasive species and remove permanently.
Trees in natural areas	Oak, Redbud, Fringe Tree	Allow to form a natural canopy, only limited structural pruning. Annually monitor area for invasive species and remove permanently.
Disturbed natural areas	Trees, grasses, perennials	Restore to a natural, largely maintenance free area: Tag and protect tree seedlings to remain, mow twice a year where needed. Annually monitor area for invasive species and remove permanently.
Shrubs with natural habit	Azalea, Camellia, Hydrangea, Cotoneaster	**Do not shear.** Prune only every two to three growing seasons or as needed to maintain natural plant habit. Spot prune only to remove overhangs or uncharacteristic growth. Prune immediately after bloom.
Evergreen shrub mass/hedges	Burford Holly, Yaupon Holly	Prune 1-2 times per year, top of plant should be more narrow than bottom, allow sides of plants to grow together. Maintain consistent height throughout shrub mass of same species
Decorative grasses	Muhly Grass, 'Adagio' Maidenhair Grass	After plants are established prune by cutting back leaves by 2/3 once a year by end of February or before first flush of spring growth. Muhly Grass only every few years when needed.
Grass-like groundcover	Liriope	After plants are established prune by mowing once a year by January 31 before first flush of spring growth.
Groundcover vines	Asian Jasemine	Prune by hand, trim edges of beds, prune twigs at bases of plants
Lawn	Bermuda, Zoysia	Mow per frequency schedule in maintenance specs.

*Tree maintenance and pruning shall be per the ANSI A300 (Part1) Pruning standards.
Topping of trees is forbidden.

City of Vestavia Hills
Office of the City Clerk

OWNER AFFIDAVIT (This form must be notarized):

I do hereby declare that the following statements are correct concerning the subject property located at: 4308 Dolly Ridge Rd, Vestavia Hills, Alabama and that statements submitted in my application are true and that I am: *(please check all that apply).*

____ the Property Owner and representing myself in said request.

✓ the Property Owner, but I am authorizing a Representing Agent by the name of: Ryan Freeman to represent me in the following request:

And am requesting: (please check)

____ Rezoning Request
____ Preliminary Plat Approval
____ Final Plat Approval
____ Conditional Use Approval
____ Request for Variance
____ Special Exception
✓ Design Review Approval

Signed: _____ 4/20/2026
Owner Signature/Date

STATE OF ALABAMA
COUNTY OF Jefferson

Given under my hand and seal
this 20th day of April, 2026.

Joseph H Alexander
Notary Public

My commission expires 2nd day of April, 2029.

Record No: DRB-26-7

Design Review Board Application

Status: Active

Submitted On: 4/22/2026

Primary Location

400 VESTAVIA PKWY
VESTAVIA HILLS, AL 35216

Owner

Engel Realty Company, LLC
18th Street South 951 Birmingham, AL 35205

Agenda Information

Agenda Schedule

Comment/Delay/Information:

Owner of Property

Name*

Engel Realty Company, LLC

Address*

951 18th Street South, Suite 200

City*

Birmingham

State*

AL

Zip Code*

35205

Phone Number*

2059602521

Email*

Billing/Responsible Party

Name*

HNP, LLC

Address*

400 Vestavia Parkway, Suite 400

City*

Vestavia Hills

State*

AL

Zip Code*

35216

Phone Number*

2055163596

Email*

Representing Attorney/Other Agent

Name

Grant Kerr, HNP Landscape Architecture

Address

400 Vestavia Parkway, Suite 400

City

Vestavia Hills

State

AL

Zip Code

35216

Phone Number

2053310856

Email

Description of Property

Subject Property Address

400 Vestavia Parkway

Property Zoning Classification

O-2

Subdivision Name, Lot #, Block #, etc.

N/A

Reason for Request

Check all that apply

Preliminary Review

☐

Landscape Review

☑

Architectural Review

☐

Final Review of Materials

☐

Other

☐

Detailed Explanation

Renovation of foundation planting around building on property.

Process

Check all that apply

New Building

☐

Renovation of Existing Building

☐

New Landscape Plan

☐

Renovation to Existing Landscaping Plan

☑

Other

☐

Detailed Explanation

Affidavit:

I do hereby declare the above statements are true and that I, the owner, and/or my duly appointed representative will be at the scheduled hearing. Simultaneously with the submittal of this application, I am hereby submitting a notarized affidavit signed by the owner of the property in the attachments section of this application. NOTE: Applications cannot be processed without the notarized owners affidavit.

Review Requirements

The following information and exhibits shall be provided and presented on your proposed project for review. The Board will review the three project components at the meeting. The Board must approve all three components before any permit is issued. A design professional, owner, or owner representative with knowledge of design elements and project provisions should represent the project to the committee.

General: Provide three copies and one digital copy (pdf format) of all drawings or plans required below for review. Drawings must be to scale. These drawings should be turned in with the application. Drawings shall be folded to size 8 ½” by 11”.

1. Architectural Review
    a. Site plan showing roadways, entrances, exits and parking
    b. Building elevations showing construction material, material colors, context, and protrusions. Color rendering is preferred. Roof design must be detailed.
    c. Presentation by architect or owner with knowledge of compatibility with adjacent structures, city context, etc.
2. Landscape Review
    a. Site plan showing contours, drainage containment areas, parking spaces, sidewalks, buffers, site lighting and details, etc.
    b. Landscape plan showing planting materials, designations, size, potted planting, window boxes, vines, etc. Trees will be identified by botanical name, quantity, and caliper. Shrubs will be identified by botanical name, quantity, and container size. Differentiate between existing and new landscaping.
    c. Parking lots: Provide calculations of total square footage and square footage designed for landscaping. Indicate handicapped spaces. Indicate size of parking spaces.
    d. Irrigation plan for all landscaped areas.
    e. Statement of maintenance policy and provisions.

Internal reviews/information

Meeting Date

Preliminary Review

Landscape Review

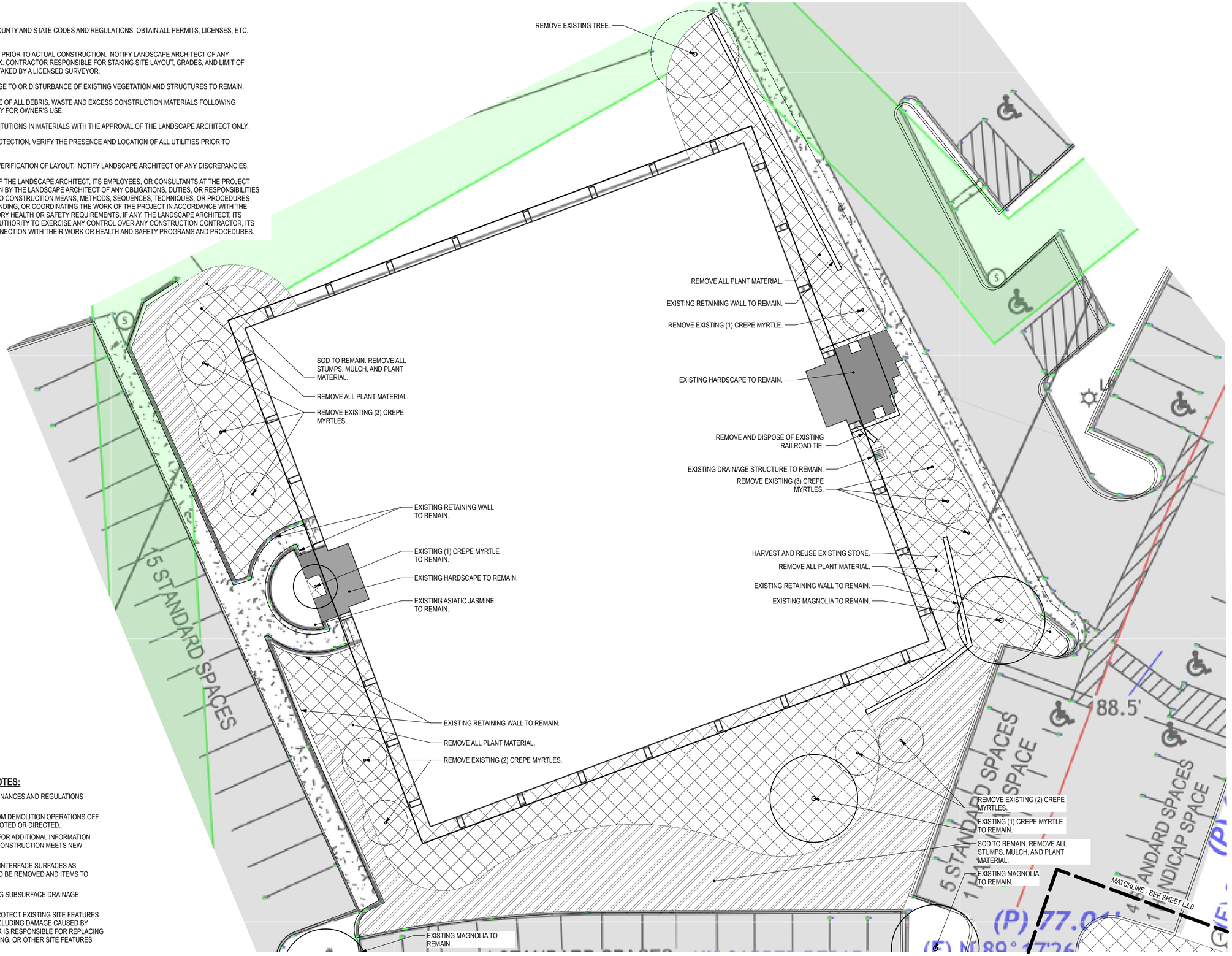
Architectural Review

Final Review of Materials

Other

GENERAL NOTES:

1. ALL WORK WILL CONFORM TO ALL LOCAL, COUNTY AND STATE CODES AND REGULATIONS. OBTAIN ALL PERMITS, LICENSES, ETC. REQUIRED FOR EXECUTION OF WORK.
2. LAYOUT WORK AND VERIFY ALL DIMENSIONS PRIOR TO ACTUAL CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BEFORE CONTINUING WORK. CONTRACTOR RESPONSIBLE FOR STAKING SITE LAYOUT, GRADES, AND LIMIT OF WORK. THE WORK SHALL BE PERFORMED/STAKED BY A LICENSED SURVEYOR.
3. CONDUCT ALL OPERATIONS TO AVOID DAMAGE TO OR DISTURBANCE OF EXISTING VEGETATION AND STRUCTURES TO REMAIN.
4. CLEAN-UP, REMOVE AND PROPERLY DISPOSE OF ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS FOLLOWING COMPLETION AND LEAVE NEAT, CLEAN READY FOR OWNER'S USE.
5. ANY VARIATION FROM DRAWINGS OR SUBSTITUTIONS IN MATERIALS WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT ONLY.
6. THE CONTRACTOR SHALL, FOR HIS OWN PROTECTION, VERIFY THE PRESENCE AND LOCATION OF ALL UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION.
7. CHECK DIMENSIONS GIVEN ARE FOR FIELD VERIFICATION OF LAYOUT. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
8. CONSTRUCTION SAFETY - THE PRESENCE OF THE LANDSCAPE ARCHITECT, ITS EMPLOYEES, OR CONSULTANTS AT THE PROJECT SITE SHALL NOT BE DEEMED AN ASSUMPTION BY THE LANDSCAPE ARCHITECT OF ANY OBLIGATIONS, DUTIES, OR RESPONSIBILITIES FOR SAFETY, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MEANS, METHODS, SEQUENCES, TECHNIQUES, OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING, OR COORDINATING THE WORK OF THE PROJECT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS OR REGULATORY HEALTH OR SAFETY REQUIREMENTS, IF ANY. THE LANDSCAPE ARCHITECT, ITS EMPLOYEES, AND CONSULTANTS HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR, ITS EMPLOYEES, OR SUBCONTRACTORS IN CONNECTION WITH THEIR WORK OR HEALTH AND SAFETY PROGRAMS AND PROCEDURES.



DEMOLITION/ SITE PREPARATION NOTES:

1. COMPLY WITH ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS DURING ALL OPERATIONS.
2. DISPOSE OF ALL MATERIALS RESULTING FROM DEMOLITION OPERATIONS OFF OWNER'S PROPERTY UNLESS OTHERWISE NOTED OR DIRECTED.
3. REFER TO SITE LAYOUT & MATERIALS PLAN FOR ADDITIONAL INFORMATION AND/OR REQUIREMENTS WHERE EXISTING CONSTRUCTION MEETS NEW CONSTRUCTION.
4. IDENTIFY LIMITS OF DEMOLITION AND MARK INTERFACE SURFACES AS REQUIRED TO CLEARLY DESIGNATE ITEMS TO BE REMOVED AND ITEMS TO REMAIN INTACT.
5. USE CAUTION NOT TO DISTURB THE EXISTING SUBSURFACE DRAINAGE SYSTEM.
6. CONTRACTOR TO TAKE PRECAUTIONS TO PROTECT EXISTING SITE FEATURES FROM DAMAGE DURING CONSTRUCTION, INCLUDING DAMAGE CAUSED BY CONSTRUCTION TRAFFIC. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED SIDEWALK, PAVEMENT, FENCING, OR OTHER SITE FEATURES BACK TO EXISTING CONDITIONS.

1 / L1.0 **DEMOLITION PLAN**
Scale: 1" = 10'-0"

0 10 20 30 FT

HNP
LANDSCAPE ARCHITECTURE
400 VESTAVIA PARKWAY, SUITE 400
VESTAVIA HILLS, AL 35216
205-870-9936
HNPSITEPLAN.COM

400 VESTAVIA PARKWAY LANDSCAPE

Engel Realty Company, LLC
Vestavia Hills, AL 35216

STATE OF ALABAMA
SEAN MICHAEL HUEMMLER
NUMBER 785
REGISTERED LANDSCAPE ARCHITECT
03.24.2026

REVISIONS:

ISSUED:
03.24.2026

SHEET TITLE:
DEMOLITION PLAN

DRAWN: GAK | CHECKED: SMH

SHEET
L1.0

SEQUENCE: - OF -
PROJECT No. C25047

PLANT LEGEND

ID	Symbol	Botanical Name
UNDERSTORY TREES		
MVA		Southern Sweet Bay Magnolia
EVERGREEN TREES		
TG		Green Giant Arborvitae
TOD		Degroot's Spire Arborvitae
SHRUBS		
AG		Mrs. G G Gerbing Azalea
AJ		Dwarf Green Acuba
AXR		Autumn Angel Encore Azalea
CJA		Japanese Cleyera
DP		Linebacker Distylium
DVJ		Bayou Bliss Distylium
IVS		Sweetspire
GROUNDCOVER & GRASSES		
LM		Super Blue Liriope
		Sod
		Drainage Stone
		Mulch



1 L2.0 **LAYOUT AND MATERIALS PLAN**
Scale: 1" = 10'-0"

0 10 20 30 FT

HNP
LANDSCAPE ARCHITECTURE
400 VESTAVIA PARKWAY, SUITE 400
VESTAVIA HILLS, AL 35216
205-870-9936
HNPSITEPLAN.COM

400 VESTAVIA PARKWAY LANDSCAPE

Engel Realty Company, LLC
Vestavia Hills, AL 35216

STATE OF ALABAMA
SEAN MICHAEL HUFFAKER
NUMBER 785
REGISTERED LANDSCAPE ARCHITECT
03.24.2026

REVISIONS:

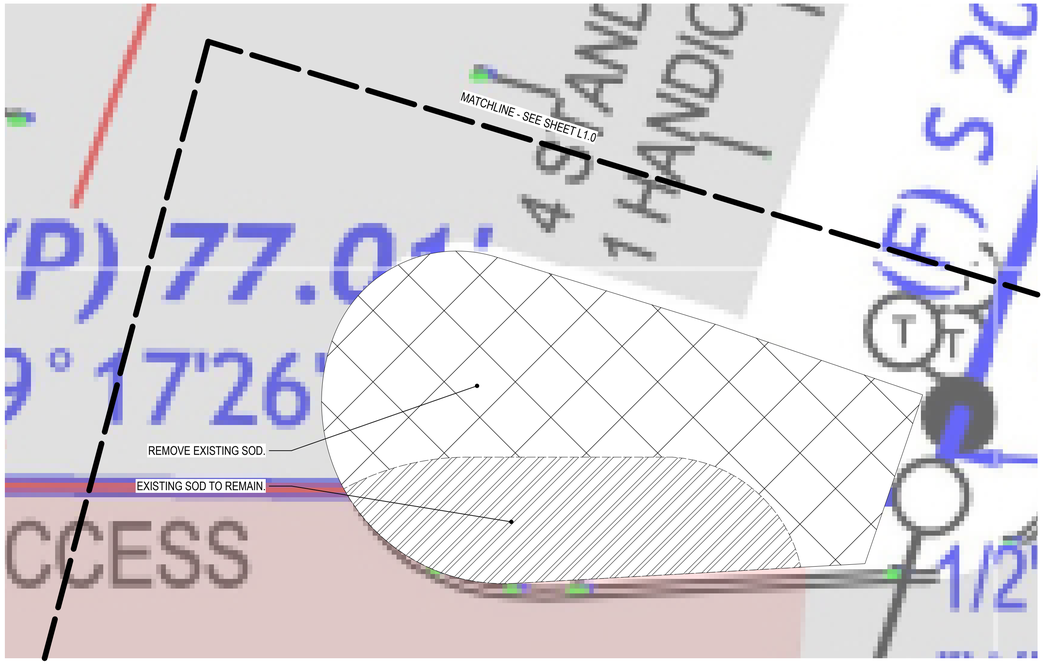
ISSUED:
03.24.2026

SHEET TITLE:
LAYOUT AND MATERIALS PLAN

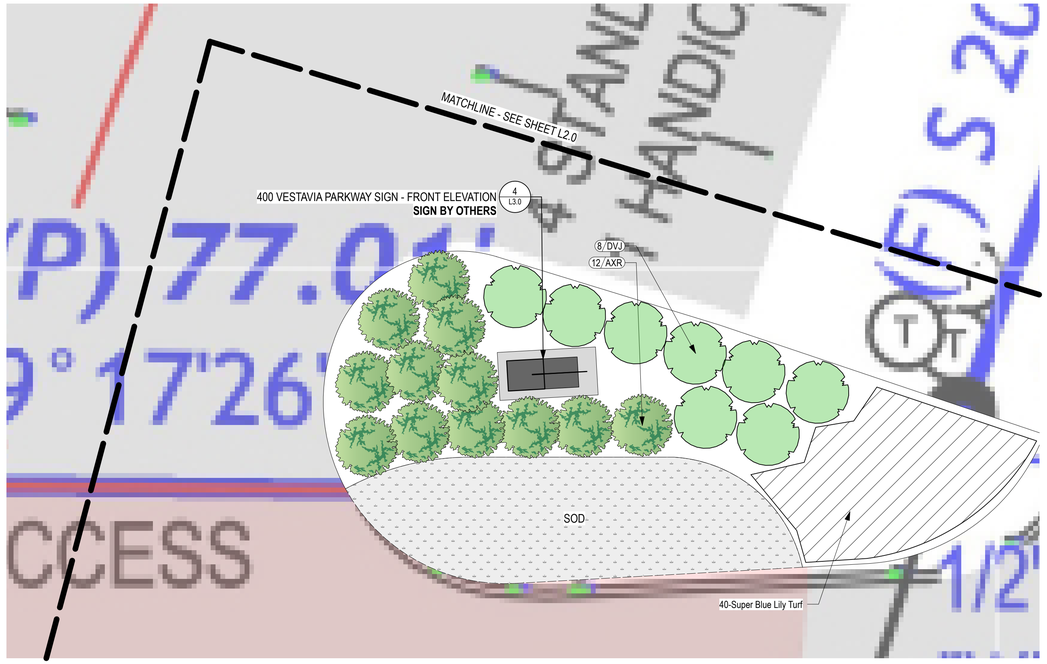
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SHEET
L2.0

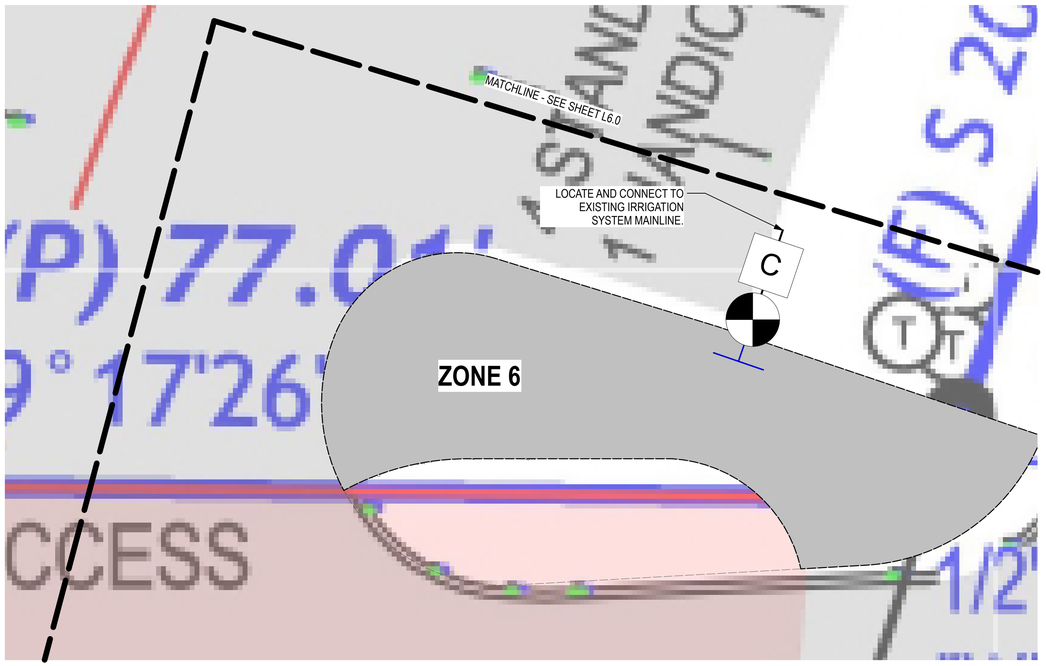
SEQUENCE: - OF -
PROJECT No. C25047



1 L3.0 **SIGN AREA DEMOLITION PLAN**
Scale: 1/4" = 1'-0"

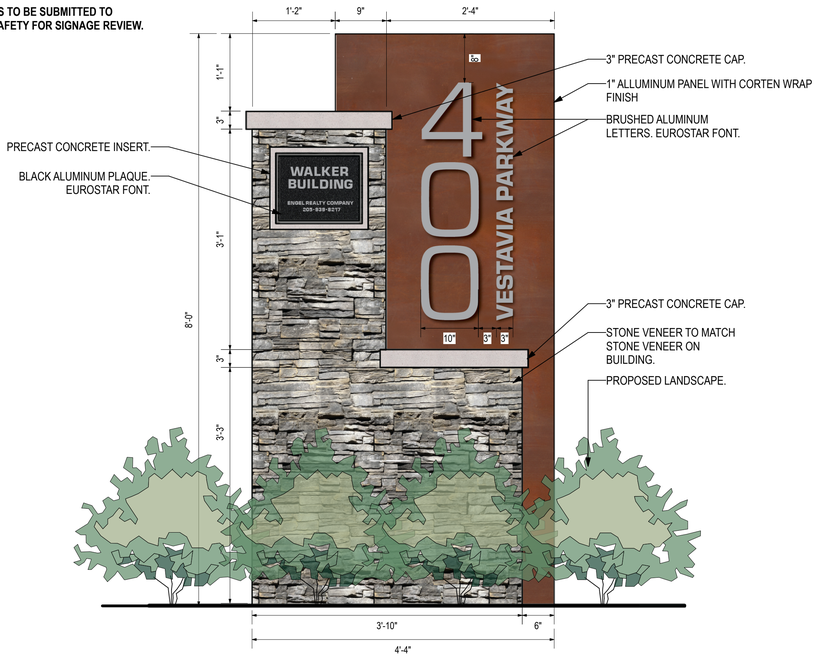


2 L3.0 **SIGN AREA LAYOUT AND MATERIALS PLAN**
Scale: 1/4" = 1'-0"



3 L3.0 **SIGN AREA IRRIGATION PLAN**
Scale: 1/4" = 1'-0"

CONSTRUCTION DOCUMENTS TO BE SUBMITTED TO VESTAVIA HILLS BUILDING SAFETY FOR SIGNAGE REVIEW.



4 L3.0 **400 VESTAVIA PARKWAY SIGN - FRONT ELEVATION**
Scale: 1" = 1'-0"

FOR REFERENCE ONLY

HNP
LANDSCAPE ARCHITECTURE
400 VESTAVIA PARKWAY,
SUITE 400
VESTAVIA HILLS, AL 35216
205-870-9936
HNPSITEPLAN.COM

400 VESTAVIA PARKWAY LANDSCAPE
Engel Realty Company, LLC
Vestavia Hills, AL 35216

STATE OF ALABAMA
SEAN MICHAEL HUEMMER
NUMBER 765
REGISTERED LANDSCAPE ARCHITECT
03.24.2026

REVISIONS:

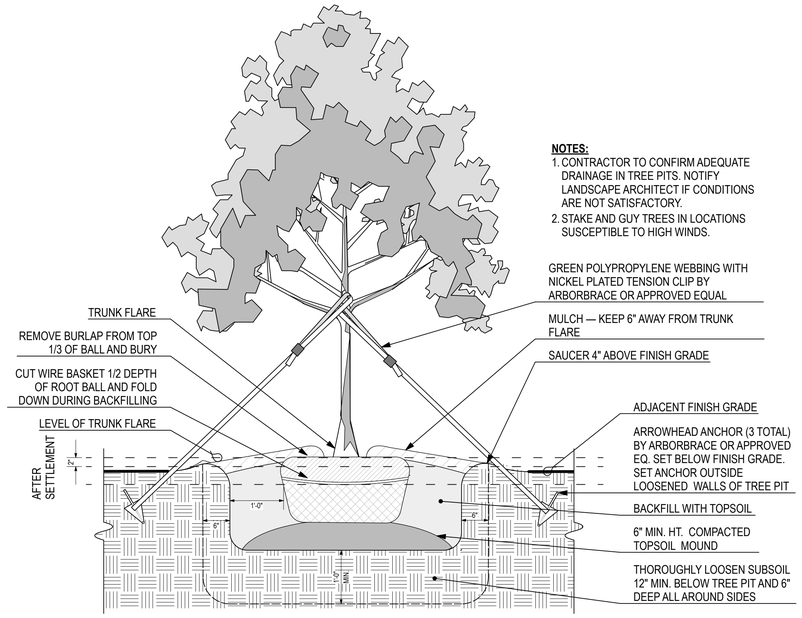
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ENLARGEMENTS

DRAWN: GAK | CHECKED: SMH

SHEET
L3.0

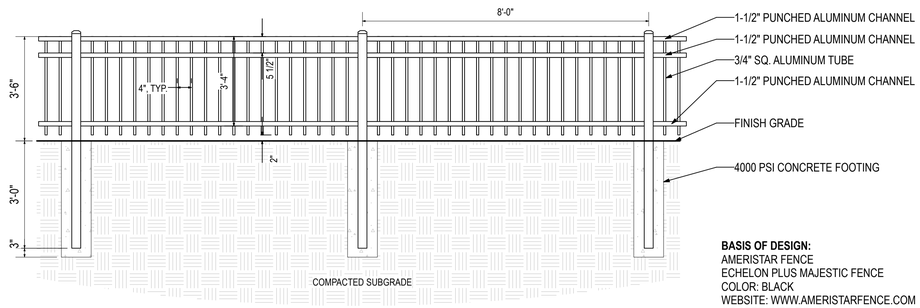
SEQUENCE: _ OF _
PROJECT No. C25047



1 L4.0 **B&B TREE PLANTING**
Scale: 3/4" = 1'-0"

PLANT LEGEND

ID	Quantity	Botanical Name	Common Name	Root	Scheduled Size	Spacing	Comments
—— UNDERSTORY / FLOWERING TREES ——							
MVA	8	Magnolia virginiana var. australis	Southern Sweet Bay Magnolia	B&B	7'-8' ht.	AS SHOWN	Multi-trunk. min 3 canes.
—— EVERGREEN TREES ——							
TG	2	Thuja 'Green Giant'	Green Giant Arborvitae	B&B	6-7' ht.	AS SHOWN	Full to ground
TOD	24	Thuja occidentalis 'Degroot's Spire'	Degroot's Spire Arborvitae	B&B	8'-9' ht.	AS SHOWN	Full to ground.
—— SHRUBS ——							
AG	31	Azalea Indic 'Mrs. G. G. Gerbing'	Mrs. G G Gerbing Azalea	Cont.	24"-30" ht./sprd.	4'0" o.c.	Full container.
AJ	18	Acuba japonica 'Nana'	Dwarf Green Acuba	Cont.	24"-30" ht./sprd.	3'0" o.c.	Full container.
AXR	46	Azalea x 'Robleg'	Autumn Angel Encore Azalea	Cont.	24"-30" ht./sprd.	3'0" o.c.	Full container.
CJA	22	Cleyera japonica	Japanese Cleyera	Cont.	24"-30" ht./sprd.	3'6" o.c.	Full container.
DP	26	Distylium 'PIIDIST-IV' PP25,984	Linebacker Distylium	Cont.	24"-30" ht./sprd.	6'0" o.c.	Full container.
DVJ	92	Distylium BLDY01 Hybrid PP32816	Bayou Bliss Distylium	Cont.	24"-30" ht./sprd.	4'0" o.c.	Full container.
IVS	25	Itea virginica	Sweetspire	Cont.	24"-30" ht./sprd.	3'6" o.c.	Full container.
—— GROUNDCOVER AND TURFGRASS ——							
LM	71	Liriope muscari 'Super Blue'	Super Blue Lily Turf	Cont.	10"-12" ht./sprd.	1'6" o.c.	Full container.
SOD	3,580	Zoysia japonica x Zoysai matrella "Emerald"	Zoysia 'Emerald"				Pest and weed free.

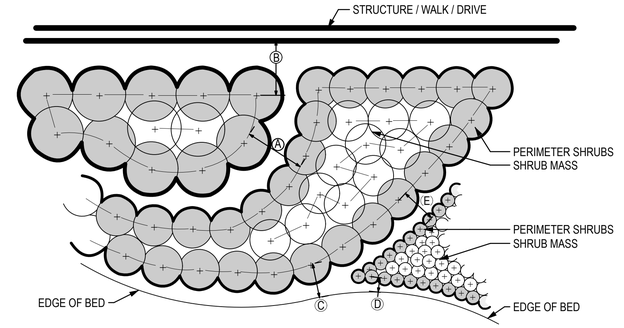


BASIS OF DESIGN:
AMERISTAR FENCE
ECHELON PLUS MAJESTIC FENCE
COLOR: BLACK
WEBSITE: WWW.AMERISTARFENCE.COM
OR APPROVED EQUAL.

6 L4.0 **FENCE - ELEVATION**
Scale: 1/2" = 1'-0"

PLANTING NOTES

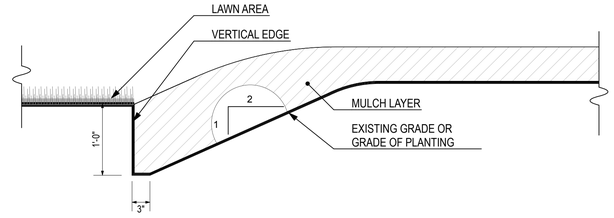
1. CONTRACTOR TO VERIFY ALL PLANT MATERIAL QUANTITIES AND PLANTING AREA DIMENSIONS PRIOR TO BEGINNING PLANTING. PROVIDE QUANTITIES AS REQUIRED TO MEET DRAWN DESIGN INTENT. IF DISCREPANCIES BETWEEN PLANS, DETAILS, AND SCHEDULE EXIST, CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY. SEE PLANTING NOTES.
2. INTENT OF LANDSCAPE PLANS IS TO REQUIRE CONTRACTOR TO PROVIDE AND INSTALL PLANTING, SEED, SOD, OR MULCH ON ALL DISTURBED AREAS. IF DISTURBANCE AND/ OR INTENT IS UNCLEAR, VERIFY WITH LANDSCAPE ARCHITECT PRIOR TO BIDDING. DUE TO MODIFICATIONS MADE DURING CONSTRUCTION, SITE CONDITIONS MAY VARY FROM THOSE SHOWN. PRIOR TO COMMENCING WORK, CONTRACTOR TO VERIFY ALL SUCH CONDITIONS TO HIS SATISFACTION. NO CHANGE IN CONTRACT PRICE WILL BE GRANTED FOR FAILUR TO OBSERVE EITHER OF THESE REQUIREMENTS.
3. GRAFTED PLANT MATERIAL IS NOT ACCEPTABLE.
4. PLANT MATERIAL EXHIBITING LICHEN OR OTHER EVIDENCE OF DISEASE IS NOT ACCEPTABLE AND WILL BE REJECTED.
5. THE CONTRACTOR SHALL, FOR HIS OWN PROTECTION, VERIFY THE PRESENCE AND LOCATION OF ALL UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION.
6. REMOVE BASE MATERIAL, ROCKS, DEBRIS, ETC. FROM PLANTING AREAS BEFORE PLANTING OPERATIONS BEGIN.
7. NO PLANT MATERIAL SHALL BE SET WITH ROOT CROWN LOWER THAN SURROUNDING GRADE. SET TREES WITH ROOT CROWN 2" - 4" ABOVE SURROUNDING GRADE; SET SHRUBS WITH ROOT CROWN 1" - 2" ABOVE SURROUNDING GRADE.
8. FLAG ALL TREE LOCATIONS AND PAINT BED LINES FOR LANDSCAPE ARCHITECT'S ON-SITE REVIEW AND APPROVAL PRIOR TO BEGINNING PLANTING OPERATIONS.
9. ALL SHRUB AREA SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 8". ALL SODDED AREAS SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 4", UNLESS DIRECTED OTHERWISE.
10. FERTILIZATION SCHEDULE: AMEND PLANTING MIX OF EACH PLANT WITH FERTILIZER AS FOLLOWS:
#1 POT - 1/4 CUP 6-12-12 OR 5-10-10
#2 POT - 1/2 CUP 6-12-12 OR 5-10-10
#3 POT - 3/4 CUP 6-12-12 OR 5-10-10
FLOWERING/SHADE TREE - 1 CUP PER 1/2" CAL. 6-12-12 OR 5-10-10
11. ALL PLANTED AREAS SHALL RECEIVE PINE STRAW TO A DEPTH OF 3" AFTER SETTLEMENT. PLANTED SLOPES STEEPER THAN 3:1 SHALL RECEIVE PINE STRAW MULCH TO A DEPTH OF 3" AFTER SETTLEMENT.
12. CLEANUP AT THE END OF THE PROJECT, THE CONTRACTOR SHALL PRESSURE WASH ALL CONCRETE SURFACE (I.E., CURB AND GUTTERS, SIDEWALKS, DRIVES, STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK AND STONE, SPECIFICALLY EXISTING CONCRETE ABUTTING REQUIRED CONCRETE SURFACES WITHIN THE PROJECT AND ALL ADJACENT AREA(S) TO ELIMINATE STAINING FROM EARTHEN MATERIAL. CONSTRUCTION EQUIPMENT, OILS, PAINTS, ETC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AT NO ADDITIONAL COSTS TO THE OWNER.



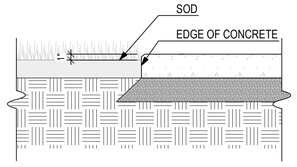
(A)	SHRUB TO SHRUB	LARGEST SPACING BETWEEN TWO DIFFERENT SPECIES OF ADJACENT SHRUBS + 6" (eg: 4' O.C NEXT TO 3' O.C, SPACING EQUALS 4'-6")
(B)	SHRUB TO STRUCTURE/WALK/DRIVE	SHRUB SPACING + 6"(EXAMPLE - 4'-6" FOR 4'O.C.) IN NO CASE LESS THAN 4'
(C)	SHRUB TO BED LINE	1/2 SHRUB SPACING + 1 FOOT (EXAMPLE - 30" FOR 3'O.C.)
(D)	GROUNDCOVER TO BED LINE	GROUNDCOVER SPACING (EXAMPLE - 1 FOOT FOR 1'O.C.)
(E)	SHRUB TO GROUNDCOVER	1/2 SHRUB SPACING + SPACING OF GROUNDCOVER

NOTES:
LAYOUT PERIMETER SHRUBS OF SHRUB MASS FIRST AT DESIGNATED SPACING. INFILL SHRUB MASS AS CLOSE TO GIVEN SPACING AS POSSIBLE, ADJUSTING SPACING UP OR DOWN AS REQUIRED.

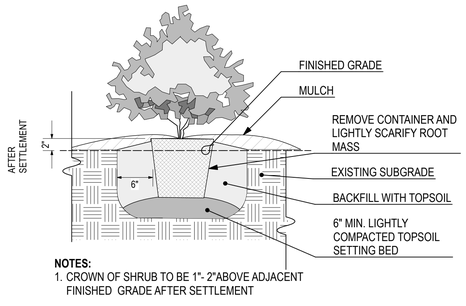
2 L4.0 **FREE-FORM MASS PLANTING**
Scale: NOT TO SCALE



3 L4.0 **TRENCH EDGE**
Scale: 1" = 1'-0"



4 L4.0 **SOD AT EDGE OF CONCRETE**
Scale: 1" = 1'-0"

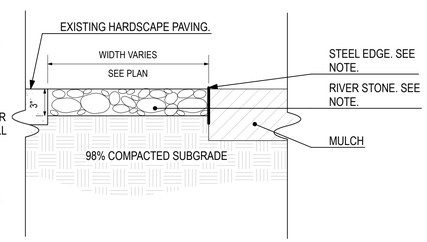


NOTES:
1. CROWN OF SHRUB TO BE 1"- 2"ABOVE ADJACENT FINISHED GRADE AFTER SETTLEMENT

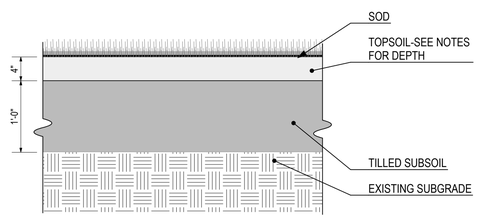
5 L4.0 **CONTAINER SHRUB PLANTING**
Scale: 1" = 1'-0"

NOTES:
STEEL EDGE: 1/8" THICK, 4" WIDE, BY 16' LENGTH. PROVIDE MATCHING STAKES, STANDARD START/END SECTIONS, 90° CORNERS, SPLICERS AS REQUIRED. DURAEDGE, BY THE JD RUSSELL COMPANY, TUCSON, AZ (800-888-7425) OR APPROVED SUBSTITUTE. BLACK. INSTALL PER MFGR INSTRUCTIONS.

RIVER STONE: RIVER ROUNDS BY ALABAMA WHOLESALE STONE OR APPROVED SUBSTITUTE. LIGHT BROWN COLORS. VARY SIZE 2"-10"



7 L4.0 **GRAVEL BORDER-TYP.**
Scale: 1 1/2" = 1'-0"



8 L4.0 **SOD PLANTING**
Scale: 1" = 1'-0"

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400 VESTAVIA PARKWAY, SUITE 400
VESTAVIA HILLS, AL 35216
205-870-9936
HNPSITEPLAN.COM

400 VESTAVIA PARKWAY LANDSCAPE

Engel Realty Company, LLC
Vestavia Hills, AL 35216

STATE OF ALABAMA
SEAN MICHAEL HUEMMER
NUMBER 785
REGISTERED LANDSCAPE ARCHITECT
03.24.2026

REVISIONS:

ISSUED:
03.24.2026

SHEET TITLE:
DETAILS

DRAWN: GAK | CHECKED: SMH

SHEET
L4.0

SEQUENCE: - OF -
PROJECT No. C25047

LANDSCAPE SPECIFICATIONS

PART 1 - GENERAL

1.1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2. Summary:

A. Section consists of furnishing all labor, materials, tools, tests, royalties, services and other incidentals as may be required for the good and proper completion of planting operations. In general, the Work includes ground preparation; plants and planting; guys, stakes and guying and staking; mulch and mulching; fertilizer and fertilizing; water and watering; and full maintenance.

1.3. Submittals:

A. Product Data: Submit manufacturer's product literature, instructions and guaranteed analysis for fertilizer, lime and pre-emergent herbicide.

B. Certificates: Deliver all certificates of inspection and show specific plant materials covered by each certificate.

C. Maintenance Schedule: Submit a detailed maintenance outline and schedule for the Work of this Section. Include maintenance times and procedures to be followed by the Owner's personnel.

D. Topsoil
1. Test Results: Submit three (3) copies and maintain one (1) copy of all test results on-site for reference.
2. Samples: If required, submit by volume three (3) one-half cubic foot samples each of stockpiled and imported topsoil to be used in the work.

1.4. Quality Assurance:

A. Codes and Standards:
1. Comply with state and federal laws relating to inspection for disease and insect control.
2. Plant material quality: Conform to U.S.A. Standard for Nursery Stock, American Association of Nurserymen, Inc., latest edition.
3. Plant material nomenclature:
a. Hortus Third, ed. Staff of the Liberty Hyde Bailey Hortorium, Cornell University, 1976.
b. Names commonly used in the trade if not listed in the above standard.
c. In all cases, botanical names take precedence over common names.
4. Perform sodding operations per Section V of Turfgrass Producers International (TPI) Guideline Specifications to Turfgrass Sodding, revised 1995.

B. Site Inspection: Prior to all Work of this Section, inspect all areas affected by the Work of this Section. Check existing construction to assure proper completion of the Work of this Section. Confirm all findings requiring correction in writing. Do not proceed with Work until corrective measures have been taken. Failure of the Contractor to comply with this requirement will be construed as the Contractor having accepted existing conditions and the Contractor at no cost will make any necessary or required corrective measures to the Owner.

1.5. Delivery, Storage And Handling:

A. Prior to shipment and after delivery, protect plant material from exposure to extreme heat, freezing and drying conditions. Where possible store plant material in a well-ventilated and shaded place, protected from wind and sun. Do not install material damaged during shipment or storage.

B. Prior to shipment and after delivery, protect turfgrass from exposure to freezing and drying conditions

C. An on-site storage area will be designated for the Contractor's use.

1.6. Job Conditions:

A. Dust Control:
1. Use all means necessary to control dust on and near the Work and on and near all off-site borrow areas if such dust is caused by the Contractor's operations during performance of the Work or if resulting from the condition in which the Contractor leaves the site.
2. Thoroughly moisten all surfaces as required to prevent dust being a nuisance to the public and concurrent performance of other Work on the site.

B. Protection:
1. Use all means necessary to protect all materials of this Section before, during and after installation; to protect all objects designated to remain, existing construction and to protect the public.
2. In the event of damage, immediately make all repairs and replacements necessary to the approval of the Landscape Architect and at no additional cost to the Owner.

PART 2 - PRODUCTS

2.1. Fertilizer: Comply with all State Fertilizer Laws when tested by current methods adopted by the Association of Official Agriculture Chemists. N, P, and K analysis of 5-10-10 or 6-12-12 or as recommended by soils test reports

2.2. Pre-Emergent Herbicide: Oxadiazon, oryzalin or trifluralin.

2.3. Topsoil:

A. If quantity of onsite topsoil is insufficient, provide material as required for completion of work. All topsoil, whether stockpiled or imported, is subject to this specification.

B. Natural, workable, friable, loamy sand, sandy loam to loam soil without admixture of subsoil, refuse, or foreign materials, free from hard lumps, stiff clay, hardpan, gravel, noxious weeds, brush, or other undesirable material harmful to plant growth. Topsoil found to contain any of the above materials is to be removed from the Work.

C. Exhibit a minimum field percolation rate of 3" per hour at 90% +/- standard laboratory density.

D. Testing:
1. Sample and test topsoil for compliance with specified characteristics and for nutrient and ph requirements.
2. Testing to be performed by a certified soils testing laboratory, in accordance with standard laboratory procedures.
3. Test a minimum of three (3) initial samples of any proposed topsoil.

E. Additions of fertilizer and/or lime recommended by soils test reports are part of the work of this Section. No additions to or placement of topsoil prior to initial soils test reports approval.

2.4. Lime:

A. General: Ground or crushed agricultural limestone.

B. Characteristics:
1. 90% passing a 10-mesh screen.
2. Not less than 50% passing a 60-mesh screen.
3. Neutralizing value of 90% calcium carbonate or better.
4. Dry and free flowing.

2.5. Solid Sod Turfgrass: Nursery grown turfgrass as shown on the drawings and as follows:

A. Free of objectionable grassy and broad leaf weeds, less than two (2) weed plants per fifty (50) square yards.

B. Growing Media: Furnish sod grown in loamy sandy to loam topsoil and that one-half inch minimum of soil is removed with the turf.

C. Squares: Cut to the supplier's standard width and length. Provide with less than one-half inch deviation from standard width and five percent on length. Squares and torn or uneven ends will not be acceptable.

D. Sod Strength: strong enough that it can be picked up and handled without damage.

E. Moisture Content: Do not harvest or place when its moisture content is excessively low or high.

F. Mowing Height: Prior to harvesting, the turfgrass is to be maintained at a regular mowing height from three-quarters to one and one-half inches.

G. Time Limitation: Harvest, deliver and install within a period of 24 hours

2.6. Grass Seed: Grass seed as shown on the Drawings and as follows:

A. Certified by an Official Seed Certifying Agency and tested within nine months prior to use.

B. Separately packed and delivered to the project in a seed-tight bag, each bag bearing a tag or label with the seal of the Official Seed Certifying Agency.

C. Conform to State seed laws and delivered to the site in the original unopened container, bearing the variety name, percent of germination, purity of the seed, and percent of obnoxious weeds and inert matter.

2.7. Straw Mulch For Seeded Areas: Threshed straw of oats, wheat, or rye, applied at the rate of not less than 1.75 tons per acre with a moisture content of not more than 15 percent, or if the moisture content exceeds 15 percent, proportionate increase shall be made in the rate of application.X

2.8. Erosion Control Blanket: For seeded slopes greater than 3:1. Type 2.D short- term double net erosion control blanket meeting the requirements established by the Erosion Control Technology Council (ECTC) Specification and the U.S. Department of Transportation, Federal Highway Administration's (FHWA) Standard Specifications For Construction of Roads and Bridges on Federal Highway Projects.

2.9. Mulch: Location and placement as indicated on the Drawings and as follows:

A. Pine Straw Mulch: Clean, fresh, un-rotted pine straw containing no substance harmful to plant growth and free of noxious weeds, grasses, seeds, plants, roots, branches, sticks or extraneous matter.

B. Pine Bark Mulch:
1. In planted areas with 12:1 or greater slope: Shredded, course pine bark containing no cambium or other substance harmful to plant growth and free of noxious weeds, grasses, seeds, plants, roots, branches, sticks or extraneous matter.
2. In planted areas with less than 12:1 slope: Ground pine bark with a maximum size pieces of one and one half (1 1/2") inches containing no cambium or other substance harmful to plant growth and free of noxious weeds, grasses, seeds, plants, roots, branches, sticks or extraneous matter.

2.10. Plant Materials:

A. The plant species, sizes, manner in which to be furnished and quantities are given in the Plant Material Schedule on the Drawings.

B. Provide plant material of standard quality, true to name and type, and first class representatives of their species or variety. Provide labels securely attached to all plant material for purpose of inspection and identification stating correct plant name and size requirements shown on Drawings. Provide B & B material having been root pruned within the last two years. Provide container grown plants having been grown in the delivery container for at least one growing season.

C. Provide plant material having normal, well-developed branched and vigorous fibrous root systems. Provide healthy, vigorous plants free from defects, decay, disfiguring roots, sun-scald injuries, abrasions of the bark, diseases, insect pests or their eggs, borers and any other form of infestation or objectionable disfigurements.

D. Collected or grafted material will not be permitted unless otherwise indicated on the Plant Material Schedule on the Drawings.

E. Plant materials lacking compactness or proper proportions, which are weak or thin, which have a damaged or crooked leader or multiple leaders (unless specified), or plant materials injured by too close planting in nursery rows will be rejected.

F. Plant materials cut back from larger grades to meet requirements will be rejected. Plant materials shall not be pruned before planting.

G. Measurements:
1. Measure plant material with branches in normal position. Height and spread dimensions refer to main body of plant and not from branch tip to tip.
2. Take caliper measurements on the trunk 6 inches above natural ground line for trees up to 4 inches in caliper and 12 inches above natural ground line for trees above 4 inches in caliper.
3. Measurements specified are the minimum size acceptable. Take measurements after pruning, where pruning is necessary. If size range is given, provide no material less than minimum size, and provide 50% of plant materials maximum size specified.
4. Plants meeting measurements specified, but without normal balance between height and spread will be rejected.
5. Plants larger than specified and of equal quality may be accepted, but at no additional cost.

H. Balled Plants (B&B): Adequately balled with firm, natural balls of soil. If ball is cracked or broken before or during planting or if the plant is loose in ball, the plant will be rejected.

I. Container-Grown Plants: Plant material designated "container-grown" in the Plant Schedule shall be in sound containers of the size specified and free of weeds and grasses. If root and soil mass is cracked or broken before or during planting, the plant will be rejected. Root-bound plant materials will not be accepted.

J. Option to Methods: With the Landscape Architect's approval, plant material may be furnished container-grown instead of balled, if all other requirements are met.

K. Plant material with lichen growing on the trunk or branches will not be accepted.

2.11. Water: Fresh, free from oil or any other impurity or substance harmful to the Work or to plant materials and seed. Make arrangements necessary to insure an adequate supply of water to meet the needs of this Contract. Furnish all necessary hose, equipment, attachments, and accessories necessary to complete the Work as specified.

2.12. Tree Guying System: 'Aborbrace' HTG-HD Regular Size guying system with green, UV resistant, polypropylene guy-lines, nickel-plated spring cam-lock tensioning clips and aluminum anchors or approved substitute.

PART 3 - EXECUTION

3.1. General:

A. Planting/Sodding/Seeding Season: As directed.

B. Planting Location And Area Staking: Stake planting locations and areas prior to each operation. Obtain Landscape Architect's approval before proceeding with the Work. Make minor adjustments to locations or outlines as directed. Omit staking where areas are bounded by curbs or other structures.

C. Relocation Of Plant Materials: If rock, underground construction, utility lines or obstructions are uncovered during excavation of plant pits, alternate locations will be selected by the Landscape Architect without additional cost to the Owner.

A. Damage: At all times from beginning of construction to Substantial Completion of entire project, provide protection for Work and repair damage occurring to all sections of this specification.

3.2. Subgrade/Soils

A. Inspection: Prior to all work of this Section, inspect all areas of the site. Check existing subgrade elevations, lines, grades, conditions to assure specified topsoil depths and final finished grades. Note any and all areas showing concentrations of construction debris. Confirm all findings requiring correction to the Landscape Architect in writing. Do not proceed with work until corrective measures have been taken. Failure to comply with this requirement will be construed as having accepted existing subgrade.

B. Sub-Grade Preparation:
1. Loosen sub-grade soil to a minimum depth of three (3) inches and grade to remove all ridges and depressions so that it will be parallel to proposed finished grade. All stones over two (2) inches in any dimension, sticks, rubbish and other extraneous matter shall be removed from the sub-grade soil during this operation.
2. Where concentrations of rubble, crushed limestone, concrete, asphalt and other construction debris are encountered, remove entirely to a minimum depth of 12 inches below completed subgrade. Backfill such areas with clean subgrade soil material and compact to specified density. Recondition backfilled surface as specified.
3. Where completed sub-grade areas are disturbed by subsequent operations or weather, scarify and reshape the surface prior to spreading topsoil.

C. Topsoil Placement:
1. Spread topsoil in all areas disturbed by contract work and not shown on the Drawings to be covered by other construction or materials. Install to produce required minimum finished depth as noted in the Drawings.
2. Do not place topsoil in frozen or wet conditions.
3. Thoroughly and uniformly incorporate fertilizer and/or lime during spreading operations and as recommended by soils test reports.
4. Compaction, general: Compact each soil layer to at least the specified minimum degree. Repeat compaction process until finished elevation is attained.
5. Degree of Compaction Requirements:
a. Topsoil Areas: Compact topsoil areas to ninety percent (90%)± standard laboratory density. Do not over compact.
b. Testing: Provide testing as required to assure compliance with specifications.
6. Carefully fine grade and rake topsoil surface to the finished lines, grades and elevations. During this operation, remove all stones over one (1) inch in any dimension, sticks, rubbish and other debris from the surface. Feather topsoil into existing ground surface at applicable limits of Work to produce a smooth, uniform transition from new to existing.

D. Treatment After Completion Of Grading:
1. After fine grading is complete permit no further excavating, filling or grading.
2. Use all means necessary to prevent erosion of or damage to completed areas during construction and until final acceptance of the work..

3.3. SODDING:

A. Preparation for Sodding:
1. The exposed soil surface to be sodded shall be loosened to a minimum depth of three inches (3") and graded to remove all ridges and depressions. All stone over one inch (1") in any dimension, sticks, rubbish and other extraneous matter shall be removed during this operation.
2. Finished Grading: All areas to be sodded shall then be graded and raked to the grades specified above in uniform, even slopes. The surface, when finished and settled, shall conform to the required grades and shall be free from hollows, high spots and other inequalities. During this operation, all stones over one inch (1") in any dimension, sticks and other debris shall be removed from the soil surface and disposed of off-site.

B. Sod Installation:
1. Do not place sod when ground is wet or frozen.
2. Place in straight lines, with rows placed parallel to and tightly against each other. Stagger joints.
3. Do not stretch or overlap pieces.
4. Butt edges tight.
5. Do not install torn or thin pieces
6. Locate and trim sod around all irrigation heads, valve boxes, etc. at time of sod installation.
7. Roll completed areas with hand-held roller to bond sod to soil and smooth out rough spots.
8. Cut –out and remove any torn or thin pieces and replace with fresh sod, 12 inches by 12 inches minimum. Replant areas, which show bare spots larger than 2" in any dimension.
9. Water as required.
10. Provide smooth completed surface free of irregularities, conforming to the grades and lines specified.

3.4. PERMANENT COVER SEEDING:

A. Preparation for Seeding: Refer to 3.3-A this Specification.

B. Sowing: In the areas shown and noted on the Drawings, sow specified seed at the specified rate exercising care that uniform distribution of seed is obtained. Sow on a still day, using a hopper-type seeder or other approved equipment, one-half of the seed for each area being sown in a direction at right angles to the other half. After seeding, lightly rake, roll once with a roller weighing not less than one hundred (100) pounds per linear foot, and thoroughly water with a fine spray. Maintain uniform seed distribution during raking and watering.

C. Mulching: Hand or machine apply specified mulch. Apply loose to permit air to circulate and compact enough to reduce erosion. Loosen baled mulch material and assure that bales contain no lumps or knots of compacted material. Provide a layer of mulch 1/4" thick in depth over the entire seeded area. Begin mulch application immediately following completion of sowing operations.

D. Erosion Control Blanket: Install on all seeded slopes greater than 3:1. Install per manufacturer's recommendations.

E. Prior to final acceptance of seeded areas, provide a uniform cover over all seeded areas with a density of 95% of each square yard of the seeded area and a well developed root system. For purposes of establishing an acceptable standard, scattered bare spots, none of which is larger than two (2) square feet, up to a maximum of five (5) percent of any seeded area. Reseed as required for coverage.

3.5. Plant Installation:

A. Plant Pits: Circular in outline with vertical sides. Depth, width and construction of pit as indicated on the Drawings.

B. Separate existing subgrade soils from the upper topsoil portions and remove wherever encountered during planting operations.

C. Notify Landscape Architect in writing immediately of any subsurface drainage or soil conditions, which Contractor considers detrimental to growth or survival of plant materials. State conditions and submit proposal for correction including cost of correction. Obtain approval of method of correction before continuing operations in the affected portion of the Work. Failure to comply with this requirement will be construed as having accepted the conditions.

D. Set plants in relationship to finished grade as indicated on the Drawings. Use topsoil to backfill plant pits. When plant pits have been backfilled approximately two-thirds full, water thoroughly before installing remainder to top of pit.

E. Apply fertilizer at the rate indicated on the Drawings.

F. Set trees plumb and brace rigidly in position until the topsoil has been tamped solidly around the ball and roots.

G. Cut rope or strings from top of B&B material after plant has been set. Leave burlap or cloth wrapping intact around balls.

H. Water all plants thoroughly by hose immediately after planting.

I. Guy and stake trees as indicated on the Drawings.

J. Mulch all areas not seeded or sodded and as indicated on the drawings. Use mulch materials specified in this section. Mulch within twenty-four (24) hours after planting.

K. Apply pre-emergent herbicide to shrub and groundcover beds. Strictly follow manufacturer's label directions and procedures.

L. Prune as required at the site in accordance with standard horticultural practice and as approved by the Landscape Architect. Prune with clean, sharp tools.

3.6. Maintenance Operations

A. General:
1. Provide full service type program to include watering, spraying for insect and fungus control, fertilizing, mowing, pruning and repair. The maintenance period will begin with the first plantings and terminate thirty (30) days after Substantial Completion.
2. At Substantial Completion, submit a detailed maintenance outline and schedule. Include maintenance times and procedures conducted during construction and suggested maintenance times and procedures to be followed by the Owner's personnel during the remainder of the guarantee period.

B. Plant Material Maintenance: Provide watering, weeding, cultivating, pruning, spraying, mulching, resodding, reseeding, tightening and repairing of guys, resetting plants to proper grades or upright position, restoration of planting saucer and planting replacements as necessary to keep plant materials in a healthy growing condition and keep all planted areas neat and attractive during the maintenance period.

3.7. Substantial Completion And Guarantee:

A. Review And Acceptance:
1. In the presence of the Landscape Architect, review all Work of this Section. Following completion of any required repairs, the Landscape Architect will certify to the Owner as to Substantial Completion of the planting.
2. Substantial Completion of the planting shall constitute the beginning of the Guarantee Period for the planting.

B. Guarantee Period And Replacements:
1. Guarantee the Work of this Section for one (1) year beyond the date of Substantial Completion.
2. Replace all dead plant materials and all plant materials not in a thriving condition during and at the end of the guarantee period, with no additional compensation, as weather conditions permit.
3. In the event replacement is not acceptable at the end of the guarantee period, the Owner may elect either additional replacements or credit for each item.
4. Guarantee does not apply to loss due to vandalism, acts of God, or failure of the Owner to maintain plant materials after the end of Contractor's maintenance period.
5. Periodically inspect Owner's maintenance program and procedures and submit recommendations in writing of any changes in the Owner's program, which is necessary for the success of the planting.

3.8. Final Review And Acceptance:

A. At the end of the guarantee period and in the presence of the Landscape Architect, review all Work for Final Acceptance.

B. Following completion of required repairs or renewals, the Landscape Architect will certify to the Owner as to Final Acceptance of the Work.

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STATE OF ALABAMA
SEAN MICHAEL HUEBNER
NUMBER 785
REGISTERED LANDSCAPE ARCHITECT
03.24.2026

REVISIONS:

ISSUED:
03.24.2026

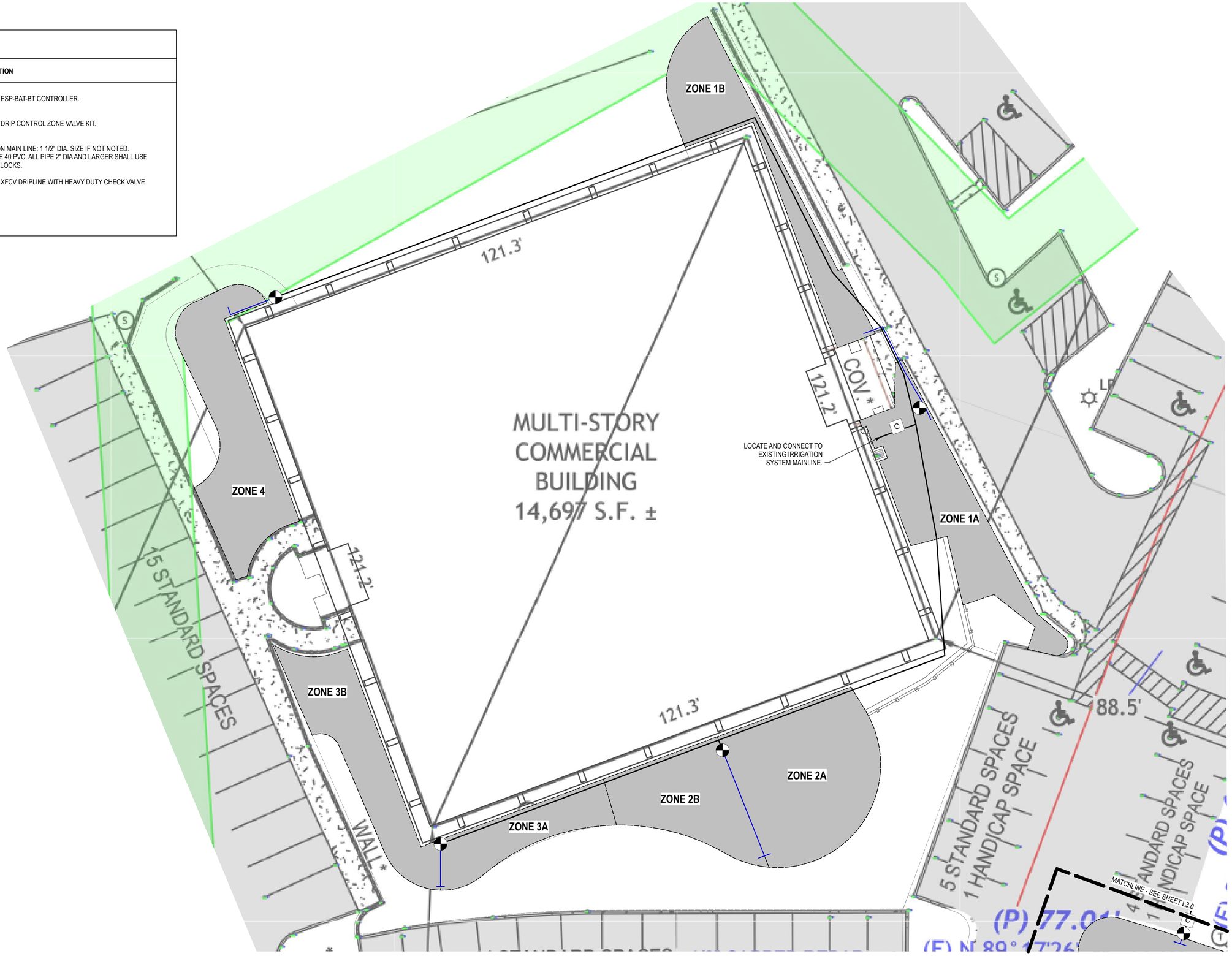
SHEET TITLE:
LANDSCAPE SPECIFICATIONS

DRAWN: DMW | CHECKED: SMH

SHEET
L4.2

SEQUENCE: - OF -
PROJECT No. C25047

IRRIGATION LEGEND:	
KEY	**DESCRIPTION**
C	RAINBIRD ESP-BAT-BT CONTROLLER.
	RAINBIRD DRIP CONTROL ZONE VALVE KIT.
	IRRIGATION MAIN LINE: 1 1/2" DIA. SIZE IF NOT NOTED. SCHEDULE 40 PVC. ALL PIPE 2" DIA AND LARGER SHALL USE THRUST BLOCKS.
	RAINBIRD XFCV DRIPLINE WITH HEAVY DUTY CHECK VALVE
	SLEEVE



1 / L5.0 **IRRIGATION PLAN**
Scale: 1" = 10'-0"

0 10 20 30 FT

HNP
LANDSCAPE ARCHITECTURE
400 VESTAVIA PARKWAY,
SUITE 400
VESTAVIA HILLS, AL 35216
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400 VESTAVIA PARKWAY LANDSCAPE

Engel Realty Company, LLC
Vestavia Hills, AL 35216

STATE OF ALABAMA
SEAN MICHAEL HUEMMLER
NUMBER 785
REGISTERED LANDSCAPE ARCHITECT
03.24.2026

REVISIONS:

ISSUED:
03.24.2026

SHEET TITLE:
IRRIGATION PLAN

DRAWN: GAK CHECKED: SMH

SHEET
L5.0

SEQUENCE: - OF -
PROJECT No. C25047

City of Vestavia Hills
Office of the City Clerk

OWNER AFFIDAVIT (This form must be notarized):

I do hereby declare that the following statements are correct concerning the subject property located at: **400 Vestavia Parkway**, Vestavia Hills, Alabama and that statements submitted in my application are true and that I am: *(please check all that apply).*

____ the Property Owner and representing myself in said request.

✔ the Property Owner, but I am authorizing a Representing Agent by the name of: **Grant Kerr** **HNP Landscape Architecture** to represent me in the following request:

And am requesting: (please check)

____ Rezoning Request
____ Preliminary Plat Approval
____ Final Plat Approval
____ Conditional Use Approval
____ Request for Variance
____ Special Exception
✔ Design Review Approval

Signed: _____
Owner Signature/Date

STATE OF ALABAMA
COUNTY OF Alabama, Jefferson

Given under my hand and seal
this 22nd day of April, 2026

_____
Notary Public

My commission expires 2nd day of May, 2028.

LEIGH L. ISOM
My Commission Expires
May 2, 2028