

Kenneth Copeland

Rebecca Youngblood

Steven Termini

Lee Mahaffey

Kelsey Hendrix



Minutes of Meeting

April 13, 2026

Location: Reidville Fire Department

Town Administrator called the meeting to order at 6:00 p.m. and conducted roll call, confirming the presence of Kenneth Copeland, Kelsey Hendrix, Lee Mahaffey, Steven Termini, Rebecca Young Blood from the planning commission. Also in attendance was members of the Architectural Review Board , Darryle Hodges, Colton Siley, and Bonita Chester. There was one audience member present.

Kenneth Copeland offered the invocation.

Administrator McKaba distributed the previously approved Concept 1.1 plan and provided updates based on current funding realities:

- The parking garage is no longer financially feasible and will be removed from the plan.
- The area will instead be developed as flat paved parking.
- The two 10,000 sq. ft. buildings originally planned beside the garage will likely need to be used to meet required parking counts.
- Part of the paved car park may become key-card or assigned parking to ensure staff and business tenants do not occupy public parking spaces.

Mrs. McKaba updated the board on ongoing efforts to secure funding:

- The Town is exploring earmarks and grants (RIA, USDA, etc.), though many award cycles are several years out.
- Discussion included bonds vs. grants, with emphasis on prioritizing grants and earmarks to avoid unnecessary debt.
- Estimated funding needs for the downtown area exceed \$20 million.
- Board members were asked to share any grant opportunities they encounter.

Mrs. McKaba informed the board that due to pending litigation, she could not share details, but:

- It appears the Town will not be able to connect to the new Main Street as originally planned.
- After consultation with Davis & Floyd, the likely alternative is for Main Street to turn down Cunningham.
- Some realignment (“squaring up”) will be required at Cunningham and Reidville Sharon Road to route traffic back to the new four-way intersection.
- Additional legal matters must be resolved before this alignment can move forward.

Members raised concerns about water flow behind Reidville Presbyterian Church and along Cunningham, noting it may pose an obstacle.

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Questions were asked about whether the Town planned to use the creek/Hanlon Pond for stormwater runoff. Mrs. McKaba clarified that this is not currently part of the plan.

The Town anticipates needing to discuss land acquisition with Reidville Presbyterian to make the road alignment possible if the existing Main Street (serving Reidville Subdivision) cannot connect to the new Main Street, additional sidewalks may be needed to improve walkability. If the subdivision's "Main Street" cannot connect to the Town, the Town will request that the road be renamed to avoid confusion.

Mrs. McKaba informed the board that:

- Due to SCDOT stipulations, the entrance from Reidville Road for the multi-use facility will likely need to be relocated to Leonard Road.
- Keeping the entrance at the original location would result in significantly higher costs.

Action: At 6:19 p.m., a motion was made by Rebecca Youngblood, seconded by Kennerth Copeland. The motion passed unanimously.

Attest: Christine McKaba-Town Administrator

This is a generalization of the meeting and not a verbatim transcript.

104 GASTON DRIVE REIDVILLE CONVENIENCE STORE



1 {3D}
A001

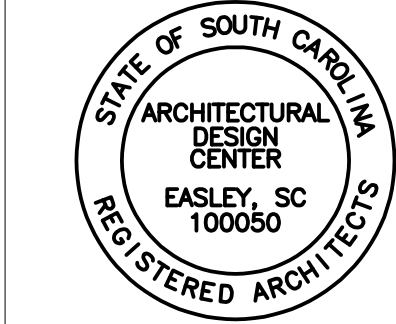


CONTACT INFORMATION

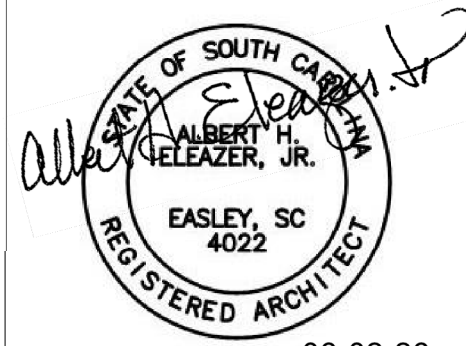
DISCIPLINE	NAME	EMAIL	PHONE
ARCHITECTURE	BRANDON HOLCOMBE	BRANDON@ARCHDC.COM	864-982-1565
STRUCTURAL	RYAN SUMMEY	RYAN@PALMETTOSE.COM	864-436-8684
MEP	JAMES JOYE	JAMES.JOYE@SALASOBRIEN.COM	864-370-9355

SHEET LIST

SHEET NUMBER	SHEET NAME
ARCHITECTURAL	
A001	COVER SHEET
CIVIL	
C000	COVER SHEET
C100	EXISTING CONDITIONS PLAN
C200	SITE PLAN
C300	GRADING & DRAINING PLAN
C400	UTILITY PLAN
C401	SANITARY SEWER EXTENSION PLAN
C500	EROSION CONTROL PLAN
C600	NOTES & DETAILS
C601	NOTES & DETAILS
C602	NOTES & DETAILS
C603	NOTES & DETAILS
C604	NOTES & DETAILS
STRUCTURAL	
S100	GENERAL NOTES & DESIGN CRITERIA
S101	FOUNDATION / SLAB PLAN
S104	ROOF FRAMING PLAN
ARCHITECTURAL	
LS1	LIFE SAFETY PLAN
A100	OVERALL FLOOR PLAN
A101	ENLARGED TOILET PLAN
A102	REFLECTED CEILING PLAN
A200	EXTERIOR ELEVATIONS
A300	BUILDING SECTION
A301	WALL SECTIONS
A302	WALL SECTION & PARTITION TYPES
A400	SCHEDULES & DETAILS
ELECTRICAL	
E001	ELECTRICAL LEGEND, NOTES, ABBREVIATIONS
E002	ELECTRICAL SCHEDULES
E100	LIGHTING PLAN
E200	POWER & SIGNAL PLAN
E300	OWNER'S EQUIPMENT POWER PLAN
E400	POWER FOR MECH EQUIPMENT PLAN
E500	ELECTRICAL SITE PLAN
E600	ELECTRICAL 1-LINE & DETAILS
E700	ELECTRICAL SPECIFICATIONS
MECHANICAL	
M001	MECHANICAL NOTES & DETAILS
M002	MECHANICAL SCHEDULES
M101	OVERALL MECHANICAL PLAN
PLUMBING	
P001	PLUMBING SCHEDULES & NOTES
P002	PLUMBING DETAILS
P101	PLUMBING PLAN WATER
P102	PLUMBING PLAN SEWER & VENT
P104	PLUMBING PLAN GAS



CORPORATE SEAL



06-02-26
PROFESSIONAL SEAL



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104 GASTON
DRIVE
REIDVILLE
CONVENIENCE
STORE

COVER SHEET

DESIGNED:	B. HOLCOMBE	
DRAWN:	C. HOLCOMBE	
CHECKED:	H. ELEAZER	
PROJECT No.	.	
DATE	REV	SHEET
06-02-26	0	A001

01000 GENERAL

- The structure reflected on the drawings is structurally sound in its completed condition only. The design of any and all temporary shoring and bracing prior to the completed condition shall be the contractor's responsibility. The Structural Engineer of Record (EOR) shall not be responsible for the means, methods, techniques, sequences, procedures nor safety programs which are employed by the contractor to build the completed structure. Any deviations from the completed structure represented in the drawings must be submitted to the EOR for approval in writing.
- The Contractor shall verify all conditions including existing structures (above and below grade) and shall notify of the EOR of any discrepancies. The Contractor shall perform all required field measurements.
- The Sections and Details shown shall be considered to be typical for all similar conditions. The Contractor shall submit written Requests for Information for areas in question.
- The Contractor shall submit shop drawings for each of the structural components shown on the drawings. Four copies of the shop drawings shall be submitted to the Architect for distribution.

01400 QUALITY CONTROL SERVICES:

- A Testing Agency shall be retained by the Owner to perform necessary testing as required by Chapter 17 of the International Building Code. In addition, the testing agency, at the owner's expense, shall perform the following minimum tests. The Contractor shall provide shop drawings, specifications, and design drawings to the testing agency. Testing reports shall be submitted to the EOR within two weeks of performing the tests. The Contractor shall alert the owner to testing costs when submitting the job costs. The Contractor shall provide retesting required for nonconforming items.
- Earthwork: Footing subgrades and fill placements to be reviewed and tested. Frequency of testing to be determined by the geotechnical engineer.
- Concrete: Testing agency shall inspect placement of all reinforcing as shown on drawings and schedules. Concrete testing shall be in accordance with ACI 301 and applicable ASTM standards. The following tests should be performed for each day's first load and each 100 cubic yards:
 - Weight of concrete, ASTM C 138.
 - Slump, ASTM C 143.
 - If required, Air content of freshly mixed concrete by pressure method, ASTM C 231 or volumetric method, ASTM C 173.
 - Concrete temperature at placement time.
 - Air temperature and weather (windy, cloudy, etc) at placement time.
 - Strength determined in accordance with ASTM C 39.

03000 FOUNDATIONS:

- The Contractor shall notify the EOR of any below grade structure which may affect the foundation performance.
- Foundations shall bear on residual soils or engineered fill capable of supporting an allowable pressure of 3000 psf. Soils shall be stable, and any expansive, compressible, or shifting material shall be removed to ensure a stable moisture content.

03300 CAST-IN-PLACE CONCRETE:

- All concrete work and materials shall be in accordance with ACI 318 and ACI 301.
- Minimum Material Specifications:
 - Portland Cement: ASTM C 150, Type 1
 - Fly Ash: ASTM C 618, Type F (limit to 20% of cementitious content)
 - Maximum water/cementitious material ratio: 0.5
 - No water may be added at the site without consent of the engineer.
- Slabs-on-grade:
 - Interior slabs-on-grade and foundations shall have a 28 day compressive strength of 3000 psi.
 - Interior slabs to receive a hard steel trowel finish with overall $F_t=35$ and $F_t=25$, and minimum local values of $F_t = 24$ and $F_t = 17$.
 - Exterior slabs (under roof or floor) shall have air entraining admixture to provide 6% entrained air. Chamfer all exposed slab edge corners (3/4").
 - Slabs shall be cured using a curing compound containing 30% solids following the manufacturer's specifications. Curing compound shall be compatible with floor finishes.
 - Vapor barrier under slab shall meet permeability requirements of the floor finishes. As a minimum, a 10 mil vapor barrier is required, lapping and sealing all seams.
 - Provide sawcut control joints or construction joints as shown on the plan. Cut 1" joints as soon as possible after finishing (within 12 hours of placement). Construction joints shall be formed by thickening the slab to 8" within 18" of the joint and installing a continuous key or 3/4" dowels at 18" o.c. Joint filler specification to be by owner or architect.
 - Welded Wire Fabric (ASTM A185) (if specified in slabs on grade) shall be installed 1" from the top face of the slab, lapping edges 6". WVF to be supplied in sheet stock only.
 - Provide isolation joints at column boxouts, walls, and penetrations.
 - Reinforce at all re-entrant corners with no control joints with (2) #3 x 4'-0" long centered on the corner, located in the top of the slab. Reinforce around all pipe or box penetrations greater than 3" with (4) #3 in diamond pattern.
 - Specification of exterior concrete paving or sidewalks is by the Civil Engineer.
 - Concrete splatter on walls or adjacent slabs shall be removed.
- Reinforcing Steel:
 - All detailing, fabrication, and placing shall be in accordance with ACI 315.
 - Reinforcing steel shall be new billet bars conforming to ASTM A615, grade 60.
 - Provide 3" concrete cover for all concrete cast against earth.

06100 ROUGH CARPENTRY

- Structural framing lumber shall conform to the minimum material properties listed in the National Design Specification for Wood Construction (2001) for the sizes, species, and grades listed below:
 - Exterior Stud Walls: 2x6 SYP No. 2 at 12" o.c.
 - For multi-stud columns or double stud conditions, attach stud-to-stud with 16d nails at 12" o.c vertically.
- Laminated Veneer Lumber (LVL) shall meet or exceed the following properties:
 - Modulus of Elasticity, E: 2,000,000 psi
 - Bending Stress, F_b : 2,900 psi
 - Horizontal Shear, F_v : 285 psi
 - Compression Parallel, F_c : 2,750 psi.
 - Multi-member headers shall be connected together with (4) 16d nails at 12" o.c.
- Bolts shall conform to ASTM A307. Steel connection plates shall conform to ASTM A36.
- Nail shank sizes and lengths are as specified for the penny weights on the drawings:
 - 6d 0.113" diameter, 2" long
 - 8d 0.131" diameter, 2.5" long
 - 10d 0.148" diameter, 3" long
 - 16d 0162" diameter, 3.5" long
- CONNECTORS FOR TREATED LUMBER
 - Any connectors (hangers, straps, nails, bolts, etc) in contact with treated lumber must be hot-dip galvanized (G90).
- BEARING WALL CONSTRUCTION
 - Sill plates shall be treated with Copper Azole (CA), Alkaline Copper Quat (ACQ), or Sodium Borate (SBX). Treatment to be per preservative manufacturer's recommendation. At a minimum, sill plates for exterior walls and shear walls to be bolted to foundation with hot-dip galvanized 5/8" diameter, 8" embedment "I" bolt at 4'-0" o.c. and at wall ends Simpson Titen HD anchors can be substituted for hooked anchor rods.
 - Walls taller than 8'-0" to have 2x blocking at midheight.
 - Sheath walls with 1/2" rated sheathing, nailing to studs, sills, and headers at 4" o.c. at panel edges and 6" o.c. elsewhere. Nails to be 10d ring shank nails. Nail to sill plate and top plates at 4" o.c.
 - See plans for truss, beam, or header support not addressed in note 1 above.
 - All jack studs or multi-stud columns shall run continuous to beam or foundation.
- ROOF CONSTRUCTION
 - Roof to be sheathed with 5/8" 20/40 rated sheathing, grade C-D, Exposure 1 nailed to rafters or trusses with 10d ring shank nails at 4" o.c. at panel edges and 6" o.c. elsewhere. Provide plywood clips at each rafter or truss space.
 - Provide blocking between rafters or between trusses at all valleys and ridges. Nail sheathing to blocking at 4" o.c.
 - Attachment of Piggy back trusses to base trusses must be clearly shown on truss erection drawings.
 - Metal Plate Connected Wood Trusses
 - Design by fabricator shall be in accordance with the applicable provisions of the latest edition of the American Forest & Paper Association's (AF&PA's) *National Design Specification® (NDS®) for Wood Construction*, ANSI/TPI 1, and all applicable legal requirements. Truss Manufacturer shall furnish Truss Design Drawings and a Truss Placement Plan. See the roof framing plan and design criteria for design loads. Deflection criteria of L/360 (LL) and L/240 (total) shall be calculated with pin/roller support conditions and one end moving laterally 1" max.
 - If needed, trusses shall be supplied with bearing enhancing hardware to distribute support reactions to supporting wall plates such that bearing pressure does not exceed 425 psi.
 - Lumber shall be Yellow Pine #2 or better for chords and webs. Lumber shall have moisture content of no less than 7% at time of manufacturing. Adjustment factors shall be in accordance with NDS
 - Metal connector plates shall be manufactured by a Wood Truss Council of America ("WTCA") member plate manufacturer and shall not be less than 0.036 inches in thickness (20 gauge) and shall meet or exceed ASTM A653/A653M grade 33, and galvanized coating shall meet or exceed ASTM A924/924M, coating designation G60. Working stresses in steel are to be applied to effectiveness ratios for plates as determined by test and in accordance with ANSI/TPI 1.
 - Trusses shall be handled during manufacturing, delivery and by the Contractor at the job site so as not to be subjected to excessive bending. Unload trusses in a manner to minimize lateral strain.
 - Contractor shall be responsible for the handling, installation, and temporary bracing of the Trusses in a good workmanlike manner and in accordance with the recommendations set forth in WTCA/TPI's *Building Component Safety Information BCSI 1-03: Guide to Good Practice For Handling, Installing & Bracing of Metal Plate Connected Wood Trusses*.
 - Cutting and altering of Trusses is not permitted. If any Truss should become broken, damaged, or altered, written concurrence and approval by a licensed design professional is required.
 - Trusses shall be permanently braced in a manner consistent with good building practices and in accordance with sections in the drawings. Trusses shall furthermore be anchored or restrained to prevent out-of-plane movement so as to keep all Truss members from simultaneously buckling together in the same direction. Such permanent lateral bracing shall be accomplished by: (a) anchorage to solid end walls; (b) permanent diagonal bracing in the plane of the web members; or (c) other suitable means. Materials for temporary and permanent bracing shall be by the contractor.
 - Full depth blocking or x-bridging is required over all exterior walls where heel height exceed 10". Nail blocking to top plates and top chord of truss.
 - All specified uplift connection hardware capacities shall be reviewed by the contractor using the final truss shop drawings and calculations. The uplift capacity shall exceed the uplift given on the shop drawings.

Structural Design Criteria

Structure Type

Wood framed roof with wood stud bearing walls bearing on concrete slab-on-grade.

Building Code

2021 International Building Code

Building Use

Risk Category II (all importance factors 1.0)

Vertical Loads

Dead Loads at Roof	
Shingles	3 psf
5/8 Sheathing	2 psf
Roof Trusses	4 psf
Electrical	2 psf
HVAC	4 psf
Ceiling (GWB)	2 psf
Miscellaneous	3 psf
Live Loads at Roof	
Occupancy (Reducible for Area)	20 psf
Snow Loads	
Ground Snow Load	10 psf

Lateral Loads

Wind Loads	
Velocity (3-Second Gust), V(ult)	115 mph
Exposure	C
Importance Factor	1.0
Enclosed Structure:	
Internal Pressure Coefficient	+/-0.18
Components & Cladding Pressure	20 psf

Seismic Loads

USGS Mapped 1 second Spectral Response, S_1	11%g
USGS Mapped short term Spectral Response, S_s	29%g
Spectral Response Coefficient, SD1	17.3%g
Spectral Response Coefficient, SDS	30%g
Site Class (assumed)	D
Response Modification Coefficient (Light frame walls with shear panels of wood)	6.5
Deflection Amplification Factor, Cd	4
Design Category	C
Analysis Type	ELF

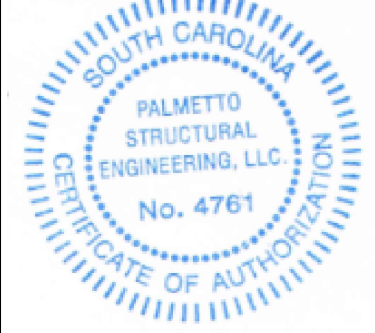
Brick Lintel Schedule		
OPENING WIDTH	LINTEL ANGLE	MINIMUM BEARING
UP TO 4'-8"	L4x4x1/4	6"
4'-8" TO 7'-4"	L6x4x5/16	8"
7'-4" TO 12'-0"	L7x4x3/8	12"

- LINTELS TO BE HOT-DIP GALVANIZED.
- LINTELS TO SUPPORT RUNNING BOND MASONRY ONLY.



PALMETTO STRUCTURAL
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Ryan@PalmettoSE.com



Project:

**7261
REIDVILLE
ROAD
CONVENIENCE
STORE**

REVISIONS	Description		FOR REVIEW	FOR PERMIT		
	Date					
	No.	A	05-25-26	B	06-02-26	

Architect:

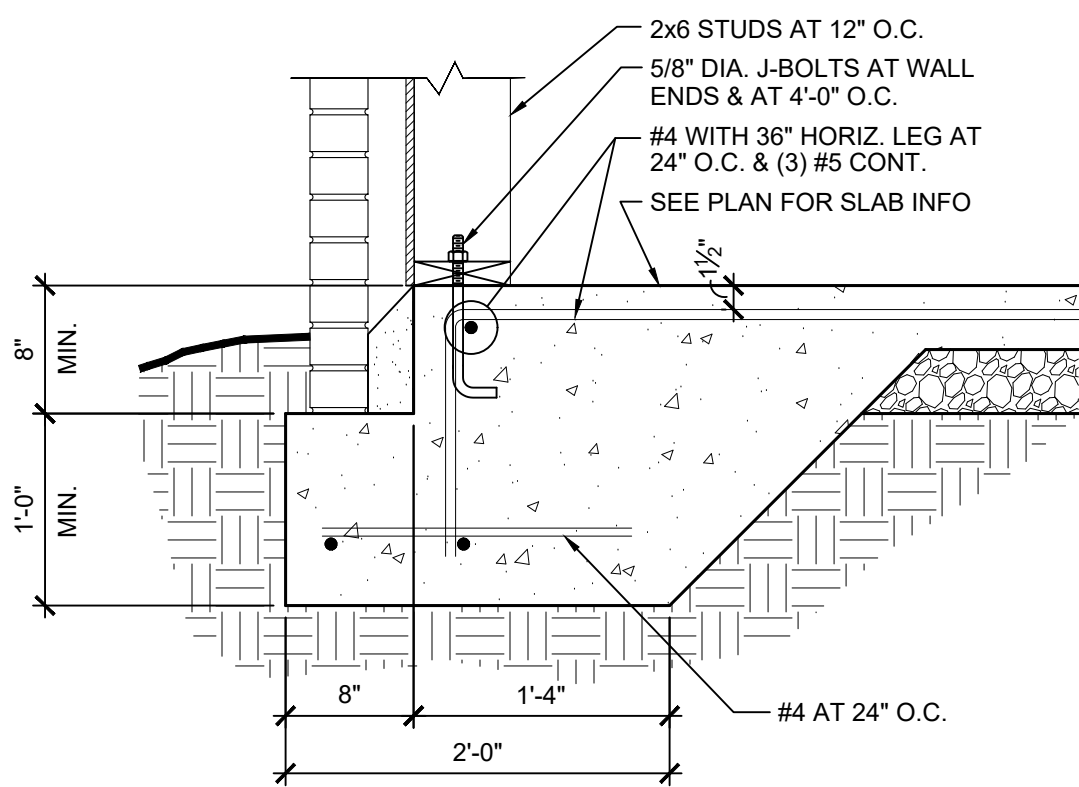
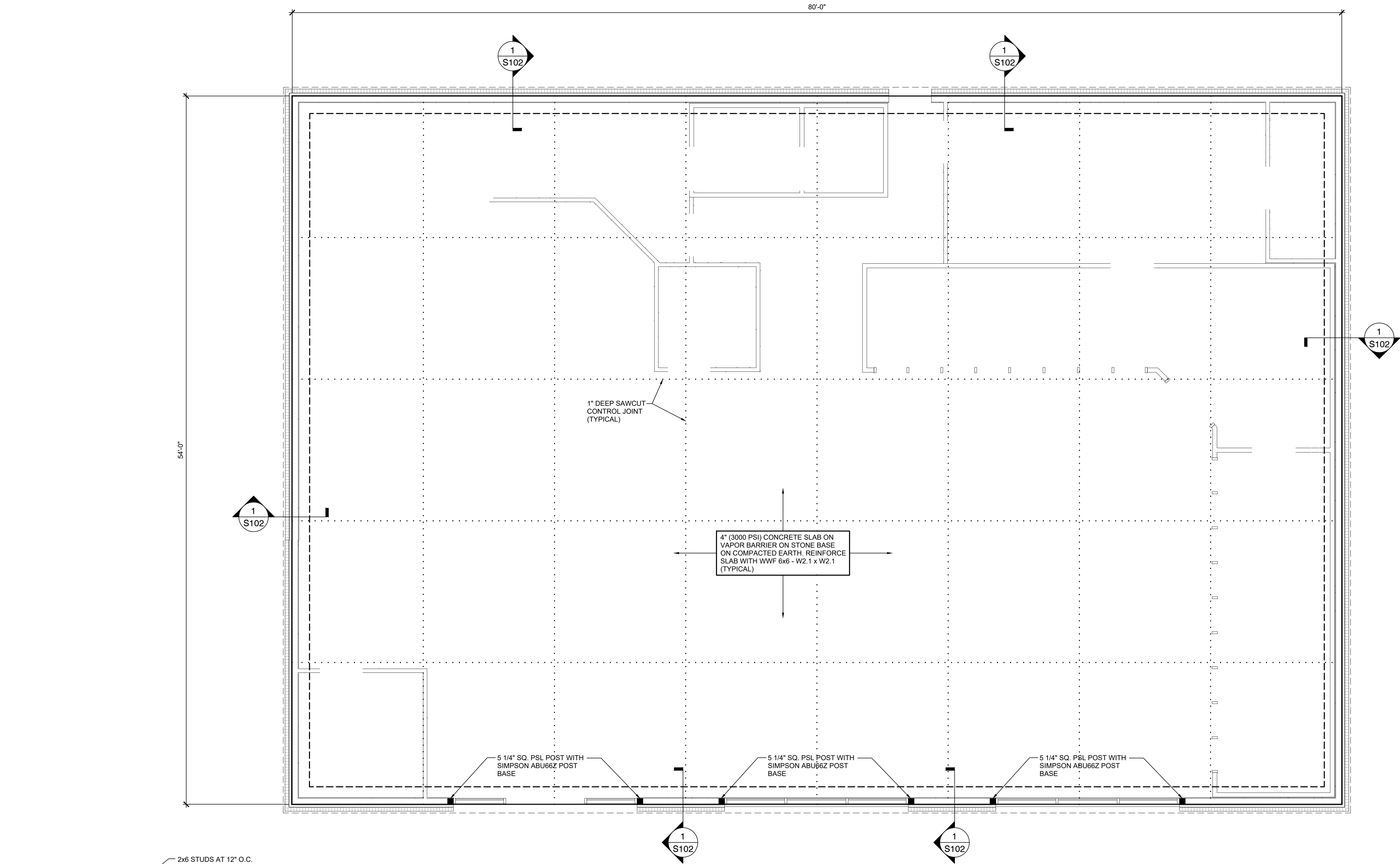


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General Notes
& Design
Criteria

Scale: As Noted
Date: 06-02-26
Drawn By: R. Summey
Project No. 26-ADC
Sheet:

S100



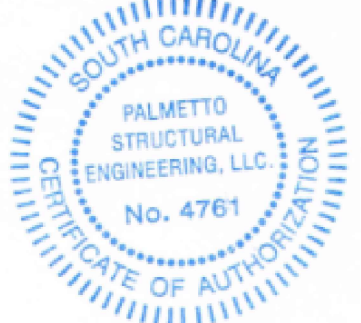
A FOUNDATION/ SLAB PLAN
1/4" = 1'-0"

1 SECTION
1" = 1'-0"



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Project:
**7261
REIDVILLE
ROAD
CONVENIENCE
STORE**

REVISIONS			
No.	Date	Description	
A	05-25-26	FOR REVIEW	
B	06-02-26	FOR PERMIT	

Architect:

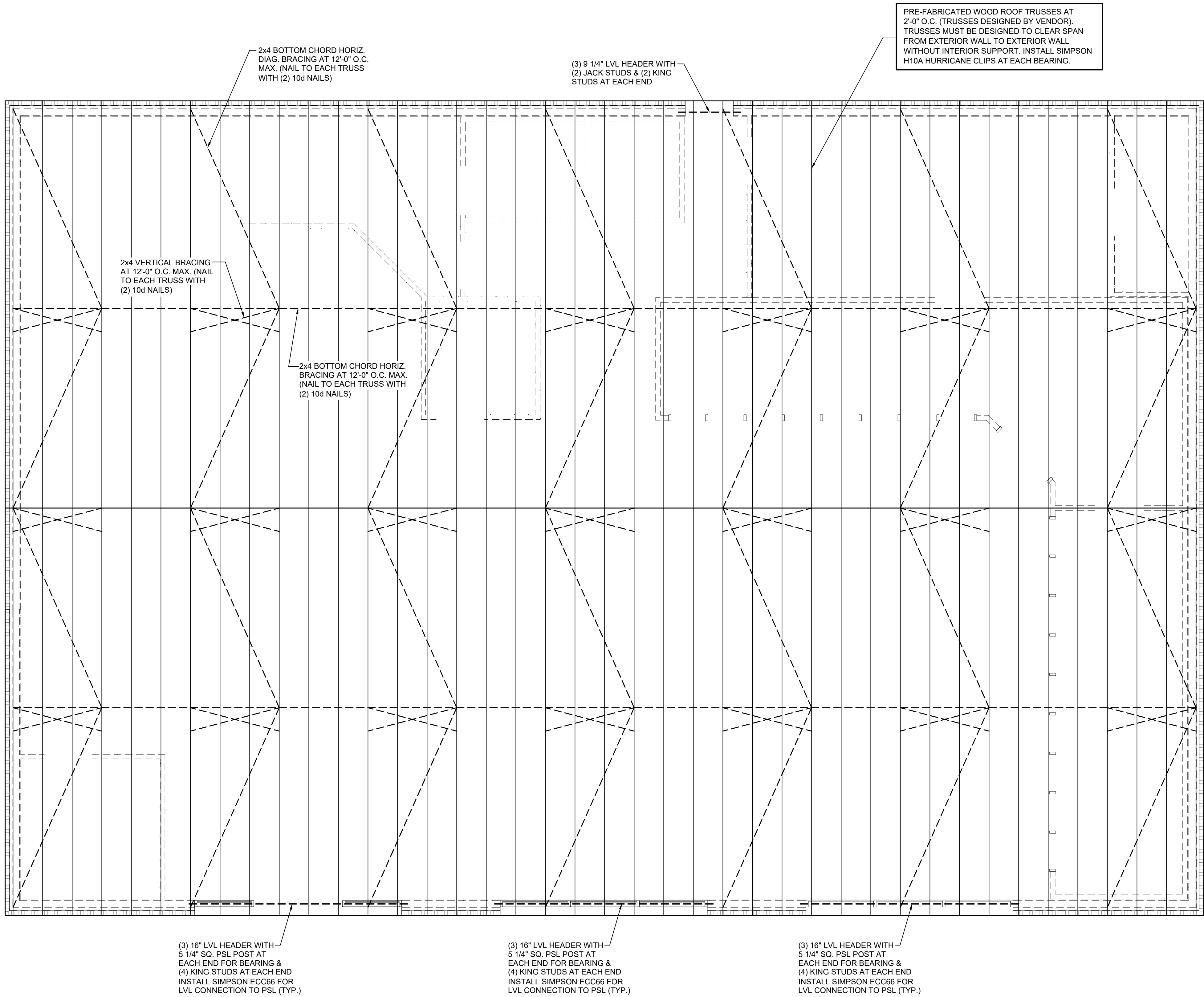


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Foundation / Slab
Plan

Scale: As Noted
Date: 06-02-26
Drawn By: R. Summey
Project No. 26-ADC
Sheet:

S101

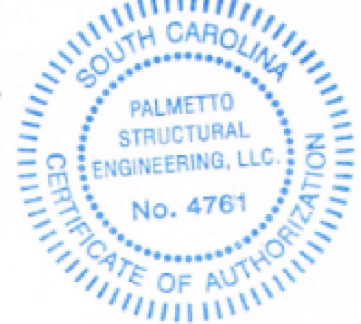


A ROOF FRAMING PLAN
1/4" = 1'-0"



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Project:
**7261
REIDVILLE
ROAD
CONVENIENCE
STORE**

REVISIONS	Description		FOR REVIEW		FOR PERMIT	
	Date		FOR REVIEW		FOR PERMIT	
	No.	A	05-25-26	B	06-02-26	

Architect:



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Roof
Framing Plan

Scale: As Noted
Date: 06-02-26
Drawn By: R. Summey
Project No. 26-ADC
Sheet:

S104

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GENERAL NOTES

1. SEE APPROPRIATE DRAWINGS FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS OF OTHER DISCIPLINES.
2. DO NOT SCALE DRAWINGS. USE DIMENSIONS ONLY.
3. DIMENSIONS ARE TYPICALLY SHOWN TO:

A. COLUMN CENTERLINES,

B. FACE OF UNIT MASONRY ON CONCRETE,

C. FACE OF STUD (AS INDICATED),

D. FACE OF UNIT MASONRY @ GYP. BD. FURRED WALL.
4. WALLS WITH APPLIED FINISHES, SUCH AS CERAMIC TILE, ACOUSTICAL PANELS AND WOOD PANELING ARE DIMENSIONED TO THE BASE WALL, UNLESS NOTED OTHERWISE.
5. DIMENSIONS ON LARGER SCALE DRAWINGS GOVERN.
6. EXTERIOR DIMENSIONS ARE GIVEN TYPICALLY TO OUTSIDE FACE OF WALL (i.e. UNIT MASONRY, PRECAST, etc.).
7. MASONRY DIMENSIONS GIVEN ARE NOMNAL EXCEPT AT LARGE SCALE DETAILS WHERE ACTUAL SIZE IS SHOWN.
8. BEFORE BEGINNING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND VERIFY EXISTING CONDITIONS, COMPARE RESULTS WITH INFORMATION GIVEN IN THE CONTRACT DOCUMENTS, AND REPORT INCONSISTENCIES TO THE ARCHITECT AT ONCE.
9. NUMERICAL FINISHED FLOOR ELEVATIONS (i.e. FF 940.00') ARE TO TOP OF CONCRETE SLAB, NOT INCLUDING FINISHED MATERIAL.
10. ALIGN* AS INDICATED ON THE DRAWINGS SHALL BE UNDERSTOOD TO MEAN THE WALLS OR COLUMNS INDICATED.
11. RECESSES AND OPENINGS IN SLABS ARE DIMENSIONED ON THE STRUCTURAL DRAWINGS.
12. GYPSUM BOARD SHOWN AT TOILETS AND JANITOR'S CLOSETS SHALL BE WATER-RESISTANT TYPE.
13. PATCH ALL AREAS WHERE REMOVAL OF CONSTRUCTION EQUIPMENT, ETC. LEAVES SURFACE FINISH OF EXPOSED CONSTRUCTION OTHER THAN SMOOTH AND FLUSH WITH ADJACENT FINISH.
14. PROVIDE FINISH WALL BEHIND ALL EQUIPMENT AND CASEWORK.
15. PROVIDE CONTINUOUS HORIZONTAL BLOCKING IN ALL PARTITIONS WHERE INDICATED AND WHERE REQUIRED FOR EQUIPMENT ATTACHMENT.
16. LOCATION AND SIZE OF CEILING AND WALL ACCESS PANELS NOTED IN THE DOCUMENTS ARE APPROXIMATE AND WILL BE DETERMINED BY THE POSITION OF THE ITEMS REQUIRING ACCESS. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES. THE ARCHITECT SHALL REVIEW AND APPROVE ALL FINAL ACCESS DOOR LOCATIONS PRIOR TO INSTALLATION.
17. IN GENERAL, THERE SHALL BE NO BACK-TO-BACK ELECTRICAL, TELEPHONE, OR OTHER OUTLETS. OUTLET HOLES SHALL BE PACKED WITH ACOUSTICAL INSULATION. WHEN OUTLETS ARE INDICATED AS OCCURRING BACK-TO-BACK, THEY SHALL BE SEPARATED BY ACOUSTICAL INSULATION BATTS.
18. ALL VERTICAL CONDUITS, PIPING AND COLUMNS EXPOSED IN ROOMS SHALL BE FURRED WITH GYPSUM BOARD AND FINISHED TO MATCH ADJACENT WALLS UNLESS NOTED OTHERWISE. EXCEPTIONS ARE: A. ELECTRICAL AND TELEPHONE ROOMS; B. MECHANICAL ROOMS; C. EXIT STAIRS.
19. WHERE GRAPHIC PARTITION FIRE RATING INDICATIONS ARE PROVIDED, FIRE RATINGS ARE ASSUMED TO BE CONTINUOUS OVER DOOR OPENINGS EVEN THOUGH; FOR CLARITY, GRAPHIC INDICATIONS DO NOT CONTINUE THROUGH DOOR OPENINGS.
20. WORK OF ENGINEERING DISCIPLINES IS SHOWN ON ARCHITECTURAL DRAWINGS FOR COORDINATION PURPOSES ONLY. REFER TO APPROPRIATE DISCIPLINE DRAWINGS FOR COMPLETE AND GOVERNING INFORMATION REGARDING THEIR WORK. INCOMPLETE, INCONSISTENT OR MISSING ENGINEERING INFORMATION ON ARCHITECTURAL DRAWINGS SHALL NOT BE CONSTRUED AS BINDING FOR THAT WORK.
21. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF CEILING MOUNTED MECHANICAL, ELECTRICAL AND FIRE PROTECTION FIXTURES AND DEVICES.
22. DOOR FRAMES MOUNTED IN CMU WALLS ARE LOCATED 8" FROM THE ROOM CORNER UNLESS NOTED OTHERWISE. DOOR FRAMES MOUNTED IN STUD-FRAMED GYPSUM BOARD WALLS ARE LOCATED 4" FROM THE ROOM CORNER, UNLESS NOTED OTHERWISE.
23. INSTALL CMU LINTEL ABOVE DUCT PENETRATIONS LARGER THAN 1'-0" IN ALL CMU PARTITIONS.
24. INSTALL ACOUSTICAL SEALANTS AROUND DUCT, PIPE AND ELECTRICAL CONDUIT PENETRATIONS THROUGH ALL INTERIOR PARTITIONS. INSTALL FIRESTOPPING AT RATED PENETRATIONS.
25. INSTALL SEALANT AROUND ALL PLUMBING AND ELECTRICAL CONDUIT PENETRATIONS THROUGH FLOOR SLAB. INSTALL FIRESTOPPING AT RATED FLOORS.
26. ALL REFERENCED DOCUMENTS SHALL MEAN THE LATEST PUBLICATION UNLESS A DIFFERENT PUBLICATION IS ADOPTED BY THE LOCAL AUTHORITIES HAVING JURISDICTION.
27. ALL SHEET METAL SHALL COMPLY WITH THE REQUIREMENTS / RECOMMENDATIONS OF SMACNA (SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION).
28. ALL STEEL DOORS AND STEEL FRAMES SHALL COMPLY WITH THE REQUIREMENTS / RECOMMENDATIONS OF SDI (STEEL DOOR INSTITUTE).
29. ALL BRICK MASONRY SHALL COMPLY WITH THE REQUIREMENTS / RECOMMENDATIONS OF BIA (BRICK INSTITUTE OF AMERICA).
30. ALL CONCRETE MASONRY SHALL COMPLY WITH THE REQUIREMENTS / RECOMMENDATIONS OF NCMA (NATIONAL CONCRETE MASONRY ASSOCIATION)
31. ALL STEEL STUDS SHALL COMPLY WITH THE REQUIREMENTS / RECOMMENDATIONS OF SSMA (STEEL STUD MANUFACTURERS ASSOCIATION)
32. ALL CERAMIC TILE INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS / RECOMMENDATIONS OF TCA (TILE COUNCIL OF AMERICA).
33. ALL GYPSUM BOARD PRODUCTS SHALL BE INSTALLED AND FINISHED PER THE REQUIREMENTS / RECOMMENDATIONS OF THE GYPSUM ASSOCIATION. GYPSUM BOARD FINISH SHALL BLEVEL 4 (UNLESS NOTED OTHERWISE);ALL JOINTS AND INTERIOR ANGLES SHALL HAVE TAPE EMBEDDED IN JOINT COMPOUND AND TWO SEPARATE COATS OF JOINT COMPOUND APPLIED OVER ALL FLAT JOINTS AND ONE SEPARATE COAT OF JOINT COMPOUND APPLIED OVER INTERIOR ANGLES. FASTENER HEADS AND ACCESSORIES SHALL BE COVERED WITH THREE SEPARATE COATS OF JOINT COMPOUND. ALL JOINT COMPOUND SHALL BE SMOOTH AND FREE OF TOOL MARKS AND RIDGES. THE PREPARED SURFACE SHALL BE COATED WITH A DRYWALL PRIMER PRIOR TO THE APPLICATION OF FINAL FINISHES.
34. ALL GLASS AND GLAZING SHALL MEET THE REQUIREMENTS / RECOMMENDATIONS OF GANA (GLASS ASSOCIATION OF NORTH AMERICA) .
35. ALL CONSTRUCTION MEANS AND METHODS SHALL COMPLY WITH LOCALLY ENFORCED CODES AND GOOD CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND CONTACT THE ARCHITECT CONCERNING ANY DISCREPANCIES, ERRORS OR OMISSIONS THAT MAY CONFLICT WITH THIS COMPLIANCE.
36. THE ARCHITECT'S WORK FOR THIS PROJECT IS LIMITED TO THAT DIRECTLY INDICATED AS PART OF THIS PROJECT BY THESE ARCHITECTURAL DRAWINGS. THE USE OF THESE DOCUMENTS DOES NOT IN ANY WAY INDICATE THAT OTHER PORTIONS OF THE FACILITY WERE ADDRESSED BY THE ARCHITECT FOR CODE COMPLIANCE OR ANY OTHER LOCALLY ENFORCED STANDARDS.

CODE INFORMATION

PROJECT:	104 GASTON DRIVE REIDVILLE CONVENIENCE STORE
JURISDICTION:	TOWN OF REIDVILLE, SOUTH CAROLINA
BUILDING CODE AND EDITION:	2021 IBC & ICC A117.1-2017

BUILDING DESCRIPTION

BUILDING AREA PER FLOOR:	4,173 SF
BUILDING HEIGHT IN STORIES:	1
BUILDING HEIGHT IN FEET:	17'-6"
CONSTRUCTION TYPE:	VB
SPRINKLERS:	NO
OCCUPANCY CLASSIFICATION:	M
ACCESSORY OCCUPANCIES:	NO
PER CODE SECTION:	N/A
OCCUPANCY SEPARATION:	N/A

ALLOWABLE AREA:	9,000 SF
ALLOWABLE HEIGHT IN STORIES:	1
ALLOWABLE HEIGHT IN FEET:	40 FT

AREA INCREASE [YES] [NO]:	NO
PER CODE SECTION:	N/A
CALCULATION:	N/A

EGRESS

EXIT WIDTH CALCULATION:	60 SF PER PERSON GROUP M
ALLOWABLE TRAVEL DISTANCE:	200 FT
SQUARE FEET PER PERSON:	4,173 SF / 60 SF= 69.95 PERSONS
OCCUPANT LOAD PER FLOOR:	70 PERSONS
EXIT UNITS PER PERSON:	70 PERSONS x 0.2" = 14"
NUMBER OF EXITS REQUIRED PER FLOOR:	2 @ 36" (34" CLEAR)
NUMBER OF EXITS PROVIDED PER FLOOR:	1 @ 36" (34" CLEAR), 1 @ 72" (70" CLEAR)

CONSTRUCTION REQUIREMENTS

DISTANCE TO PROPERTY LINES:	GREATER THAN 30 FEET
STRUCTURAL FRAME:	0
EXTERIOR BEARING WALLS:	0
INTERIOR BEARING WALLS:	0
INTERIOR BEARING WALLS:	0
INTERIOR NON-BEARING WALLS:	0
FLOOR CONSTRUCTION:	0
ROOF CONSTRUCTION:	0

TOILET FIXTURE CALCULATIONS

FIXTURE TYPE	REQUIRED
MALE WATERCLOSETS	.50
FEMALE WATERCLOSETS	.50
MALE LAVATORY	.50
FEMALE LAVATORY	.50
UTILITY SINK	1

WALL AND CEILING FINISHES

GROUP	SPRINKLERED			NONSPRINKLERED		
	VERTICAL EXITS AND EXIT PASSAGEWAYS	EXIT ACCESS CORRIDOR AND OTHER EXITWAYS	ROOMS AND ENCLOSED SPACES	VERTICAL EXITS AND EXIT PASSAGEWAYS	EXIT ACCESS CORRIDOR AND OTHER EXITWAYS	ROOMS AND ENCLOSED SPACES
A-1 & A-2	B	B	C	A	A	B
A-3, A-4 & A-5	B	B	C	A	A	C
B, E, M, R-1	B	C	C	A	B	C
R-4	B	C	C	A	C	B
F	C	C	C	B	C	C
H	B	B	C	A	A	B
I-1	B	C	C	A	B	B
I-2	B	A	C	A	A	B
I-3	A	A	C	A	A	B
I-4	B	B	B	A	A	B
R-2	C	C	C	B	B	C
R-3	C	C	C	C	C	C
S	C	-	C	B	-	C
U	-	-	-	-	-	-

CLASSIFIED IN ACCORDANCE WITH ASTM E 84
CLASS A: FLAME SPREAD 0-25; SMOKE DEVELOPED 0-450
CLASS B: FLAME SPREAD 26-75; SMOKE DEVELOPED 0-450
CLASS C: FLAME SPREAD 76-200; SMOKE DEVELOPED 0-450

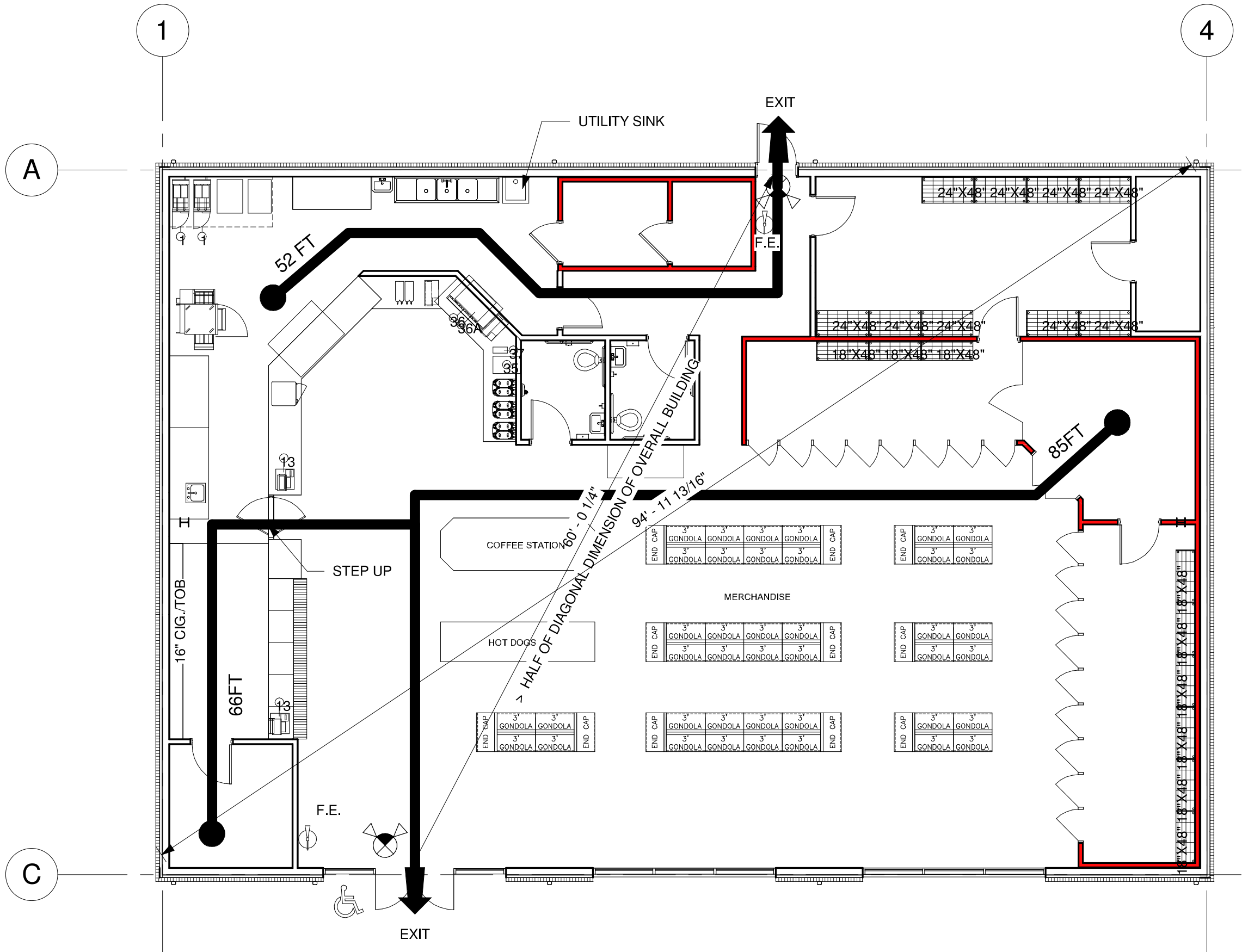
FLOOR FINISHES

A, B, E, H-1, I-4, M, R-1, R-2 & S	CLASS II
F, H-2, H-3, H-5 R-3, R-4, I-3, U I-2 & I-2	COMPLY WITH DOC FF-1 "PILL TEST" (CPSC 16 CFR PART 1630)
I-2 & I-2	CLASS I

WHERE EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT CLASS II MATERIALS MAY BE USED WHERE CLASS I MATERIALS ARE REQUIRED AND MATERIALS COMPLYING WITH DOC FF-1 "PILL TEST". (CPSC 16 CFR PART 1630) ARE PERMITTED IN AREAS WHERE CLASS II MATERIALS ARE REQUIRED

DECORATIONS AND TRIM

TRIM	MINIMUM CLASS C FLAME SPREAD, EXCLUDING HANDRAILS AND GUARDS SHALL BE LIMITED TO 10% OR THE AGGREGATE WALL OR CEILING AREA IN WHICH IT IS LOCATED
ALL OCCUPANCIES	PERMISSIBLE AMOUNT OF NONCOMBUSTIBLE MATERIALS IS UNLIMITED PERMISSIBLE AMOUNT OF FLAME RESISTANT MATERIALS IS LIMITED TO 10% OF AGGREGATE WALL OR CEILING AREA
OCCUPANCIES A, E, I, R-1 AND R-2	DRAPERIES, HANGINGS AND OTHER DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL BE FLAME RESISTANT IN ACCORDANCE WITH SECTION 805.2 AND NFPA 701 OR NON COMBUSTIBLE

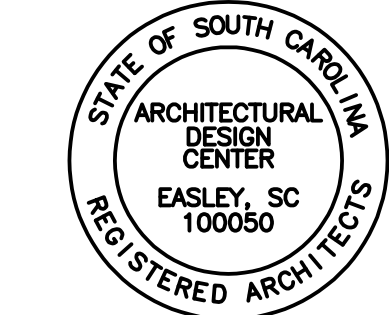


LIFE SAFETY PLAN

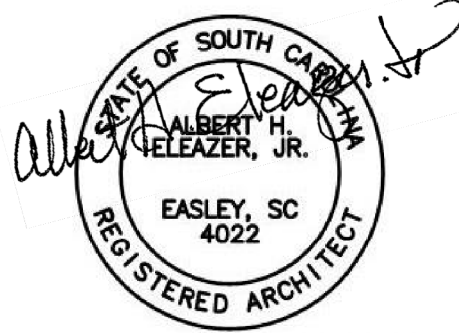
1
LS1
1/8" = 1'-0"

LEGEND

- FE = FIRE EXTINGUISHER - FIRE MARSHALL TO DETERMINE FINAL TYPE, LOCATION & NUMBER IN THE FIELD
- INDICATES ACCESSIBLE ENTRANCE & EXIT
- EMERGENCY LIGHT - CONTRACTOR SHALL VERIFY LIGHTS ARE IN WORKING ORDER
- EXIT SIGN - CONTRACTOR SHALL VERIFY LIGHTS ARE IN WORKING ORDER



CORPORATE SEAL



06-02-26
PROFESSIONAL SEAL



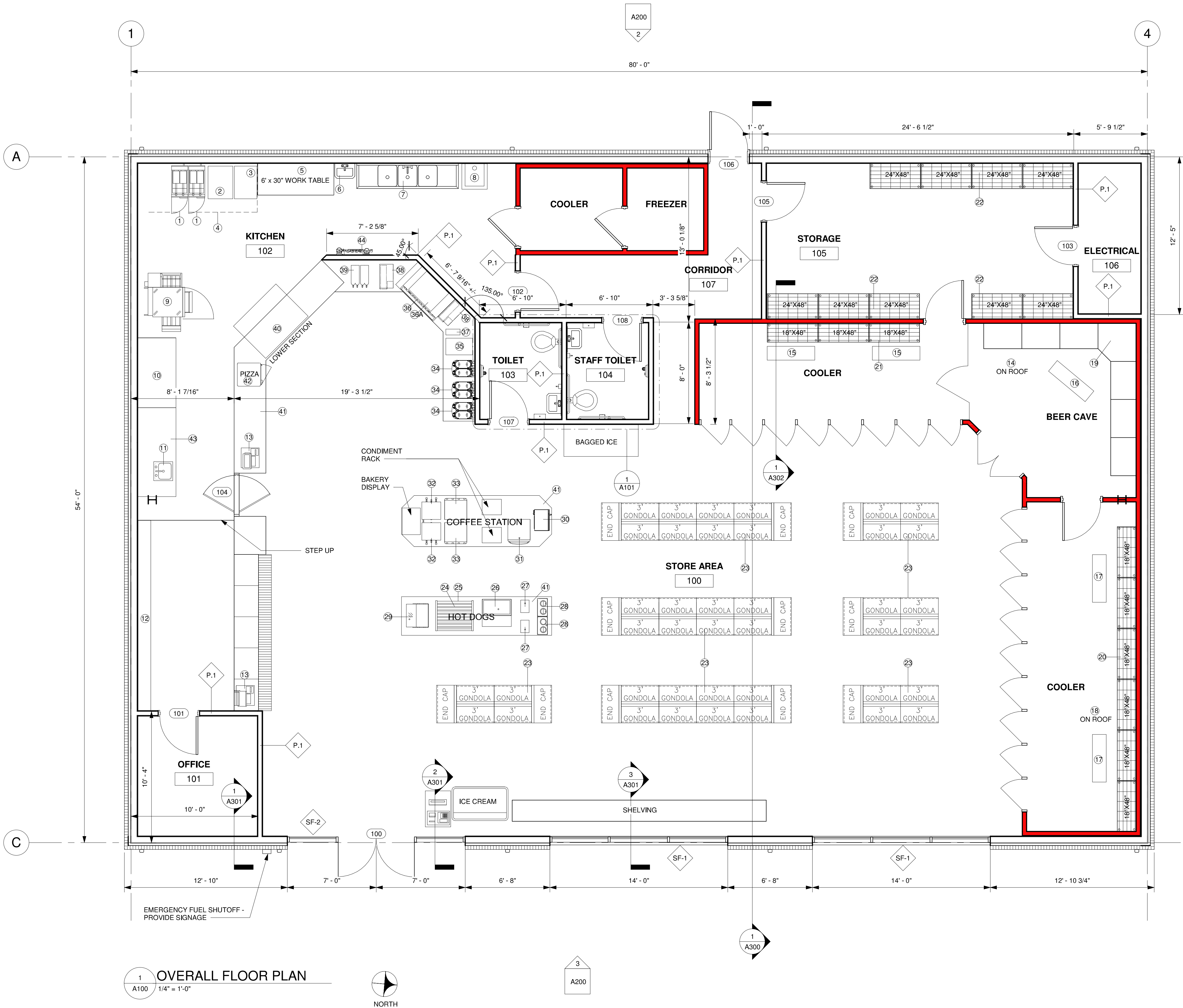
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104 GASTON
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REIDVILLE
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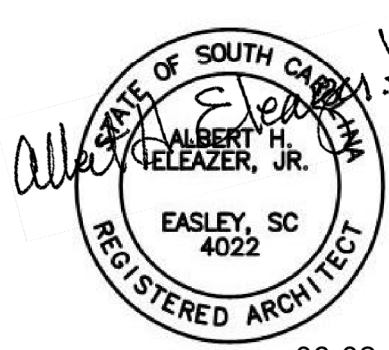
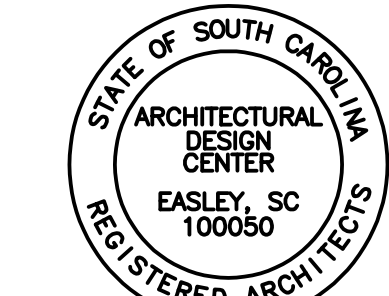
LIFE SAFETY
PLAN

DESIGNED:	B. HOLCOMBE	
DRAWN:	C. HOLCOMBE	
CHECKED:	H. ELEAZER	
PROJECT No.	.	
DATE	REV	SHEET
06-02-26	0	LS1

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EQUIPMENT SCHEDULE		
Mark	Equipment Name	Qty.
1	GAS FLOOR FRYER	2
2	LANDING TABLE	1
3	BREAD AND BATTER STATION	1
4	EXHAUST HOOD	1
5	WORK TABLE STAINLESS STEEL TOP	1
6	HAND SINK	1
7	THREE COMPARTMENT SINK	1
8	MOP SINK	1
9	CONVEYER PIZZA OVEN B/O	1
10	67" PIZZA PREP.	1
11	HAND SINK	1
12	16" CIG./TOB DISPLAY	1
13	REGISTER	2
14-18	REFRIGERATION SYSTEM, REMOTE	1
19	BEER CAVE SHELVING	1
20	SHELVING ACCESSORIES	20
21	SHELVING ACCESSORIES	16
22	SHELVING ACCESSORIES	20
23	SHELVING, GONDOLA	
24	HOT DOG GRILL	1
25	HOT DOG BUN/ ROLL WARMER	1
26	REFRIGERATED RAIL	1
27	CONDIMENT CADDY	2
28	FOOD TOPPING WARMER, COUNTERTOP	2
29	DISPLAY MERCHANDISER, HEATED, FOR MULTI-PRODUCT	1
30	MICROWAVE OVEN	2
31	BEVERAGE DISPENSER, ELECTRIC (HOT)	1
32	COFFEE BREWER	2
33	CREAMISER AVAILABLE FROM DAIRY VENDOR	1
34	FROZEN DRINK MACHINE, NON CARBONATED, BOWL TYPE	3
35	FROZEN DRINK MACHINE, CARBONATED	1
36	CORNELIUS ED300 12 HEAD FOUNTAIN - BEVERAGE DISPANSER	1
36A	NUGGET ICE MAKER	1
37	DISPOSABLE CUP DISPENSER	1
38	CUPS/LIDS	2
39	TEA DISPENSER	2
40	DISPLAY CASE, HEATED DELI, COUNTERTOP	1
41	METAL RETAIL CABINETS	1
42	PIZZA WARMER	1
43	WORK TABLE .84" STAINLESS TOP	1
44	WATER FILTRATION SYSTEM, FOR FOUNTAIN /BEVERAGE MACHINE	1
45	HAND DRYER	2

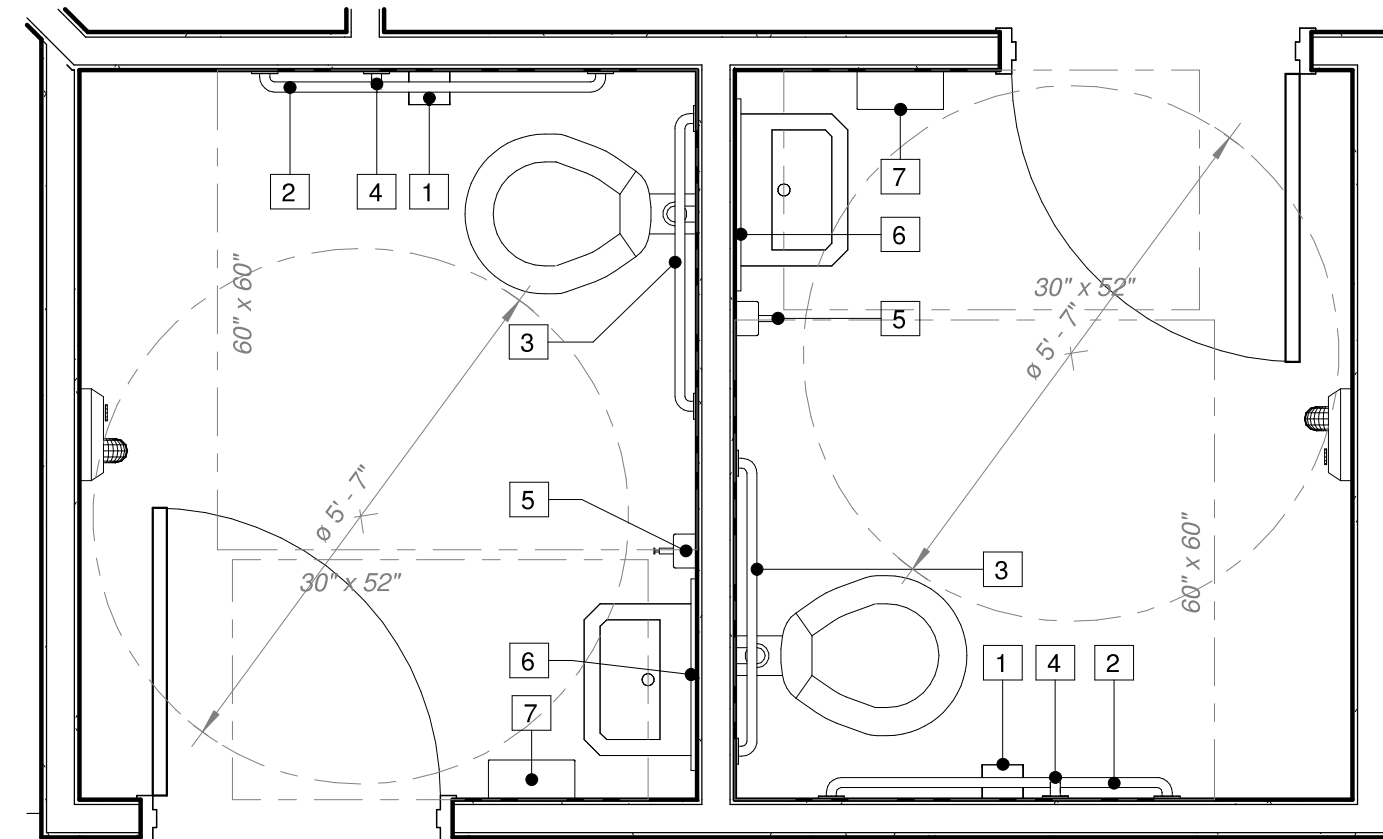


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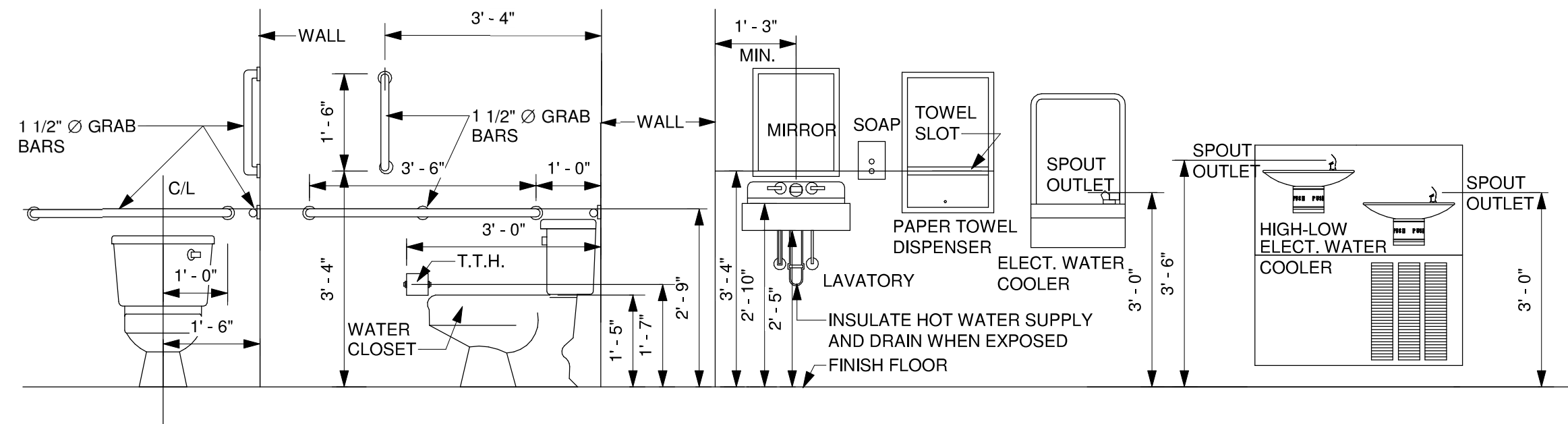
OVERALL FLOOR
PLAN

DESIGNED:	B. HOLCOMBE	
DRAWN:	C. HOLCOMBE	
CHECKED:	H. ELEAZER	
PROJECT No.	.	
DATE	REV	SHEET
06-02-26	0	A100



TOILET ACCESSORY LEGEND

- | | | | |
|---|--------------------------|---|-----------------------|
| 1 | TOILET TISSUE HOLDER | 6 | MIRROR |
| 2 | GRAB BAR X 42 | 7 | PAPER TOWEL DISPENSER |
| 3 | GRAB BAR X 36 | | |
| 4 | GRAB BAR X 18 (VERTICAL) | | |
| 5 | SOAP DISPENSER | | |



TOILET FIXTURE MOUNTING HEIGHTS

SCALE: 1/2" = 1'-0"

NOTES:

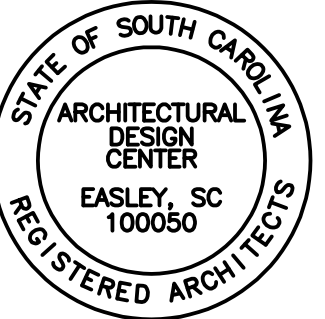
1. SEE FLOOR PLANS FOR LOCATION OF TOILET ACCESSORIES
2. TOILET FIXTURES AND ACCESSORIES ARE TO BE MOUNTED AT THE LOCATIONS SHOWN ABOVE WHERE HANDICAPPED ACCESSIBILITY IS INDICATED ON THE PLANS. ALL OTHER FIXTURES AND ACCESSORIES SHALL BE MOUNTED IN STANDARD LOCATIONS AND AT STANDARD MOUNTING HEIGHTS
3. SYMBOLS INDICATED ABOVE ARE ONLY FOR GRAPHIC REPRESENTATION OF MOUNTING DIMENSIONS AND DO NOT REPRESENT THE FIXTURE OR ACCESSORY FOR THIS PROJECT



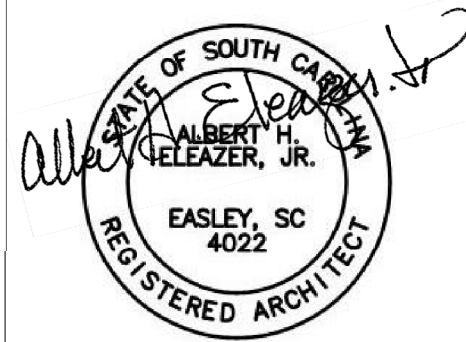
RESTROOM SIGNAGE:

SIGNAGE SHALL COMPLY WITH ADA AND STATE REQUIREMENTS.

1. SIGNS SHALL INCLUDE THE FOLLOWING REQUIREMENTS:
 - A. RAISED AND BRAILLE CHARACTERS / PICTURE GRAPHICS
 - B. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH
 - C. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.
 - D. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH TO HEIGHT RATIO BETWEEN 1:1 AND 3:5 AND STROKE WIDTH TO HEIGHT RATIO BETWEEN 1:1 AND 1:10.
 - E. SIGN SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AND POSITIONED SUCH THAT A PERSON MAY STAND WITHIN 3" OF THE SIGN AND NOT BE WITHIN THE SWING OF THE DOOR.
 - F. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISHED FLOOR TO THE CENTER OF THE SIGN.
 - G. MINIMUM SIZE OF SIGN SHALL BE 6" x 6".
2. PROVIDE SIGNS AT THE RESTROOM ENTRANCES.

[illegible]

CORPORATE SEAL



06-02-2

PROFESSIONAL SEARCH



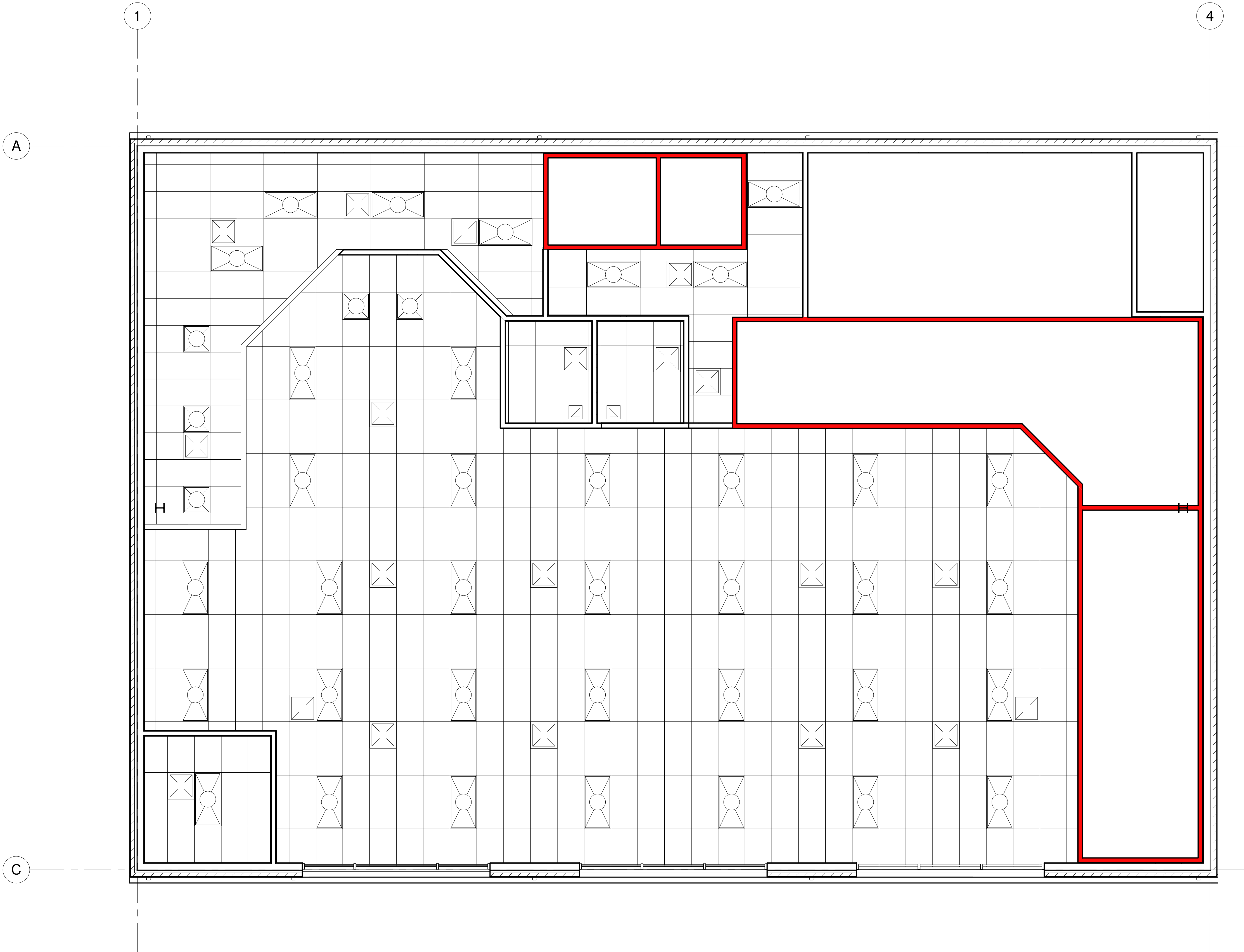
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**104 GASTON
DRIVE
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CONVENIENCE
STORE**

ENLARGED TOILET PLAN

DESIGNED:	B. HOLCOMBE	
DRAWN:	C. HOLCOMBE	
CHECKED:	H. ELEAZER	
PROJECT No.	.	
DATE	REV	SHEET
06-02-26	0	A101

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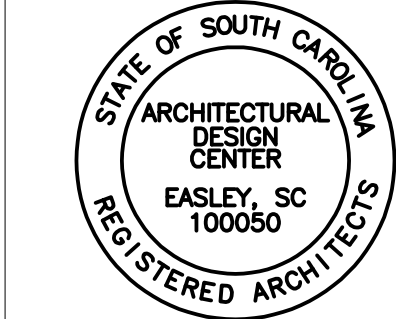


1
A102 REFLECTED CEILING PLAN
1/4" = 1'-0"

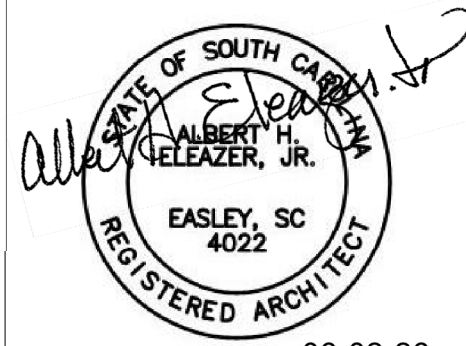


NOTE: EXIT & EMERGENCY LIGHTS SHOWN ARE THE MINIMUM NUMBER REQUIRED BY CODE.
ADDITIONAL LIGHTS MAY BE REQUIRED AFTER EQUIPMENT, PROCESSES, ETC ARE INSTALLED.

- 2'X2' ACOUSTICAL CEILING SYSTEM
- 2'X4' ACOUSTICAL CEILING SYSTEM @ 9'-0" A.F.F.
- 2x4 LAY-IN FLUORESCENT LIGHT FIXTURE - SEE ELECTRICAL FOR DETAILS
- RECESSED CAN LIGHT FIXTURE - SEE ELECTRICAL FOR DETAILS
- RECESSED CAN LIGHT FIXTURE (NIGHT LIGHT) - SEE ELECTRICAL FOR DETAILS
- 2x2 HVAC SUPPLY GRILLE - SEE MECHANICAL FOR DETAILS
- 2x2 HVAC RETURN AIR GRILLE - SEE MECHANICAL FOR DETAILS
- TOILET EXHAUST FAN- SEE MECHANICAL FOR DETAILS
- LIGHTED EXIT SIGN DIRECTIONAL. - SEE ELECTRICAL FOR DETAILS
- EMERGENCY LIGHT WITH BATTERY PACK LIGHT - SEE ELECTRICAL FOR DETAILS
- CEILING MOUNTED SMOKE DETECTOR



CORPORATE SEAL



PROFESSIONAL SEAL



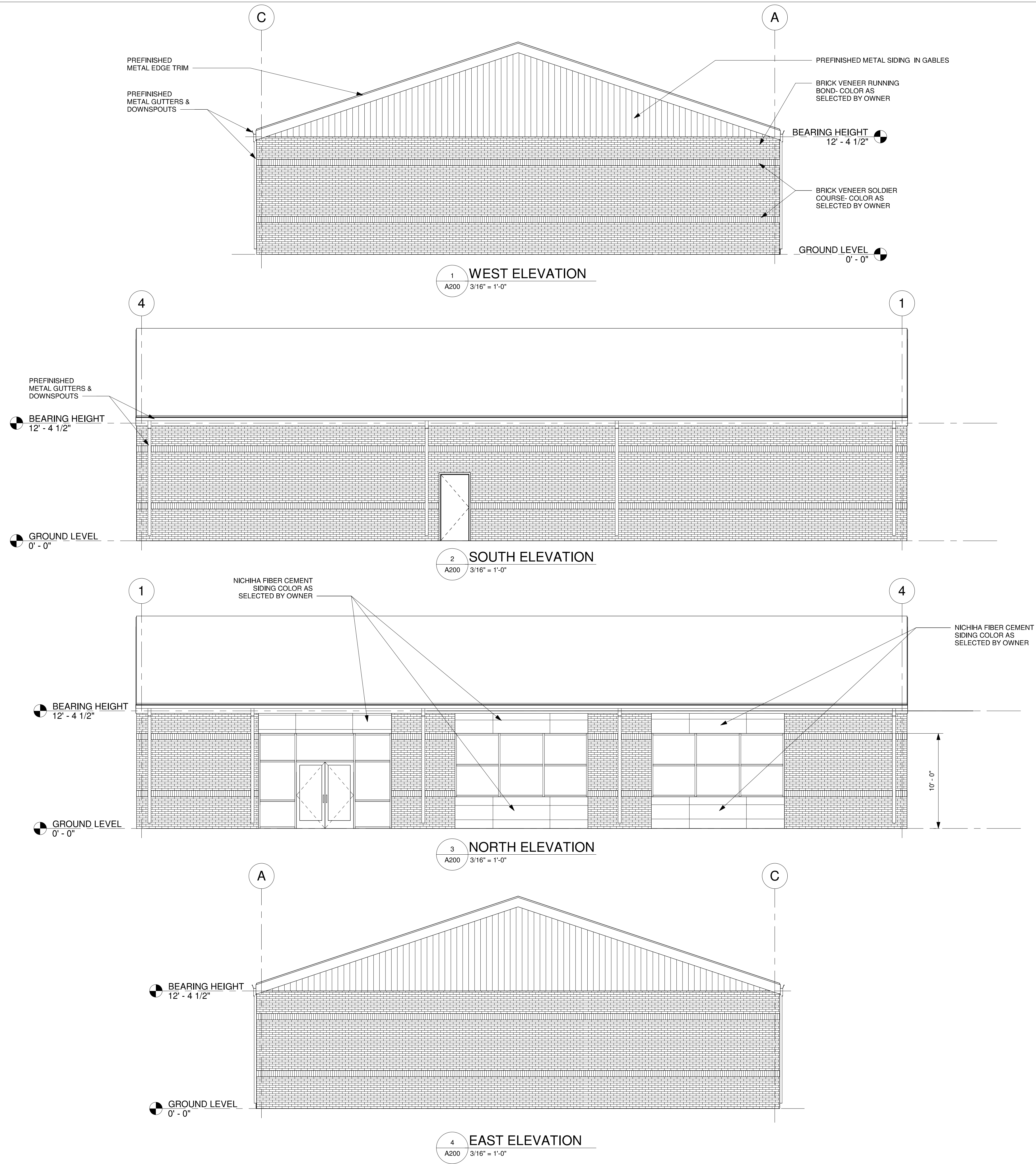
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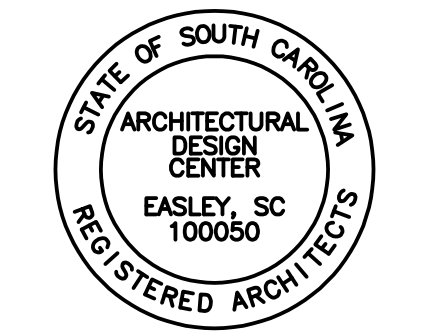
REFLECTED
CEILING PLAN

DESIGNED:	B. HOLCOMBE	
DRAWN:	C. HOLCOMBE	
CHECKED:	H. ELEAZER	
PROJECT No.	.	
DATE	REV	SHEET
06-02-26	0	A102

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REV	DATE	DESCRIPTION
0	06-02-26	ISSUED FOR CONSTRUCTION



CORPORATE SEAL



PROFESSIONAL SEAL



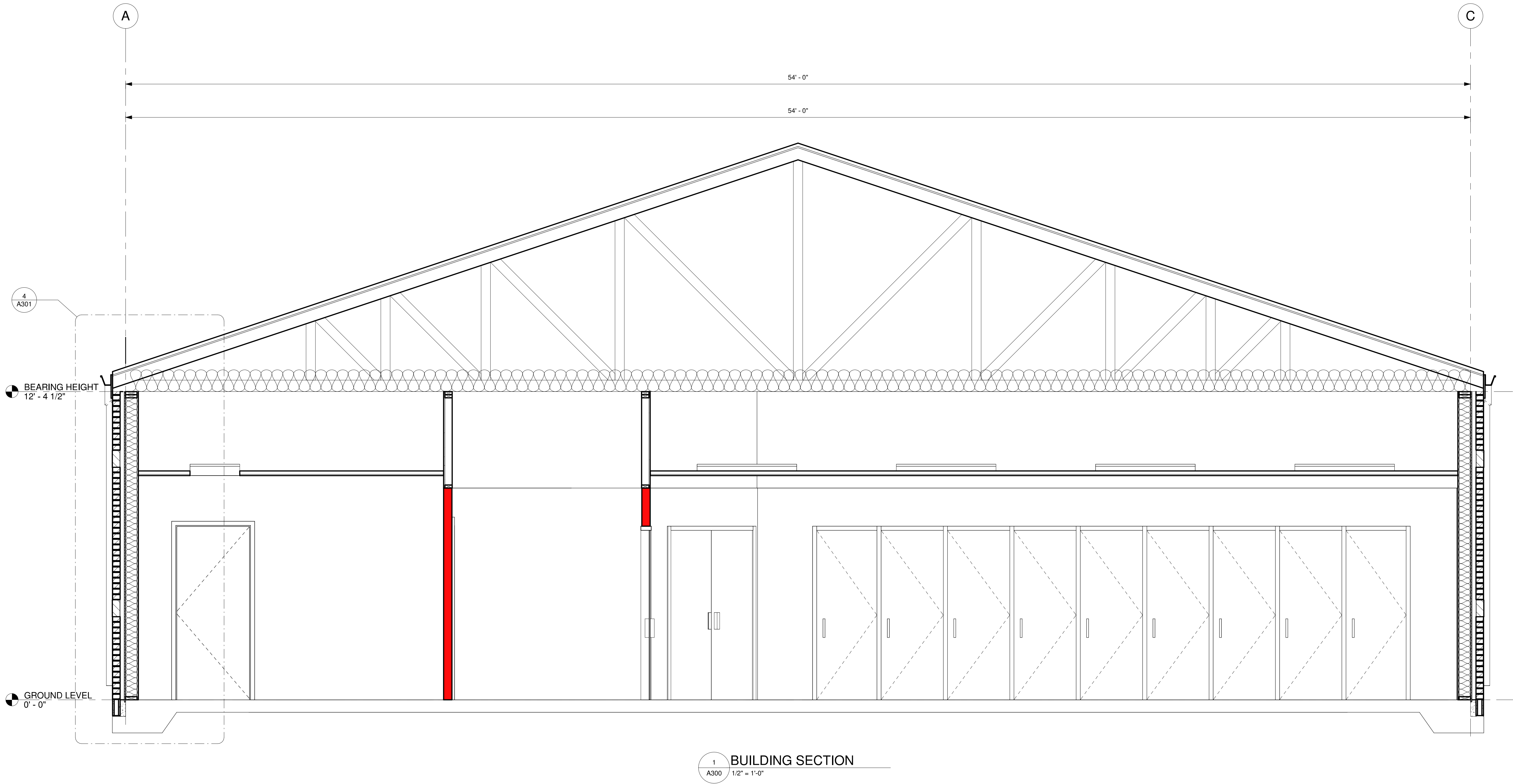
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EXTERIOR
ELEVATIONS

DESIGNED:	B. HOLCOMBE	
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CHECKED:	H. ELEAZER	
PROJECT No.	.	
DATE	REV	SHEET
06-02-26	0	A200

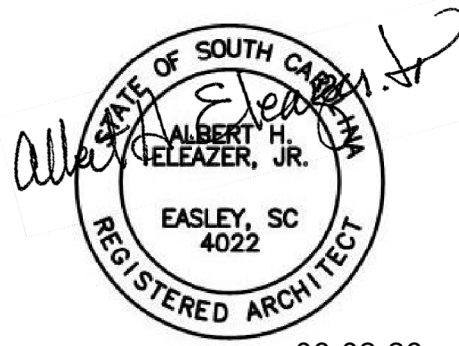
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PROFESSIONAL SEAL



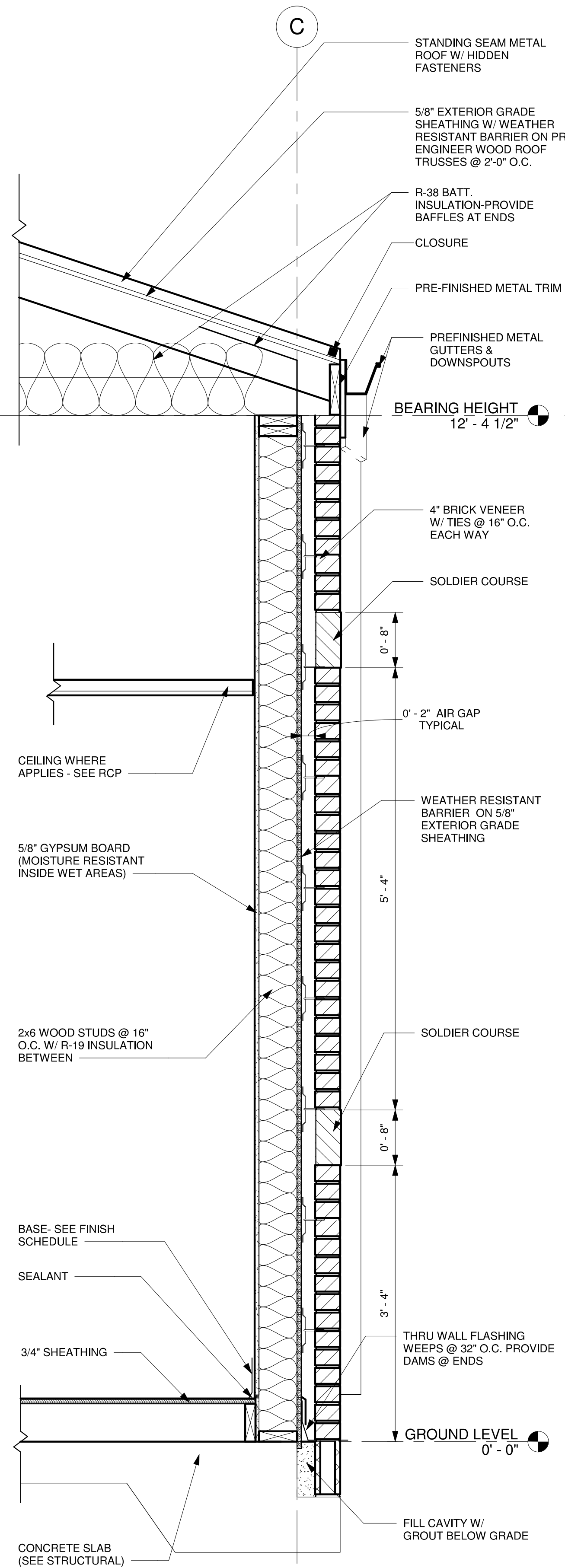
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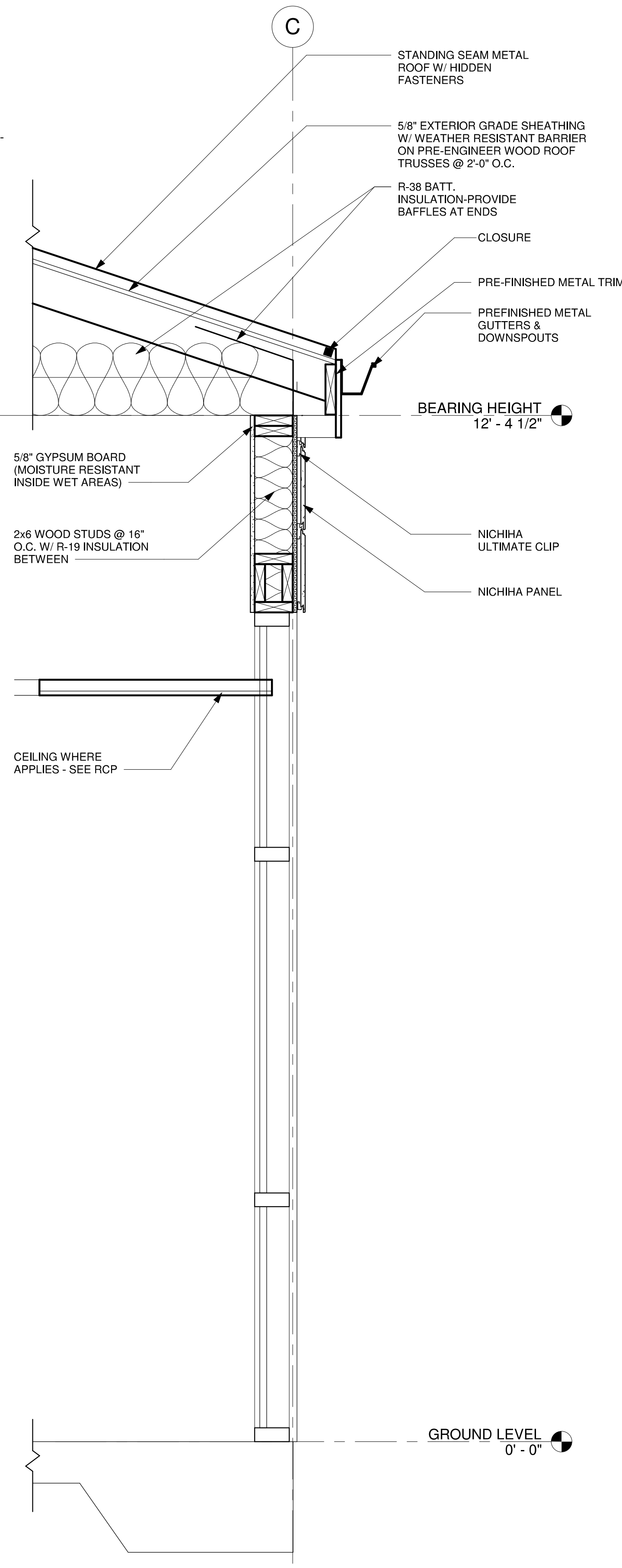
BUILDING
SECTION

DESIGNED:	B. HOLCOMBE	
DRAWN:	C. HOLCOMBE	
CHECKED:	H. ELEAZER	
PROJECT No.	.	
DATE	REV	SHEET
06-02-26	0	A300

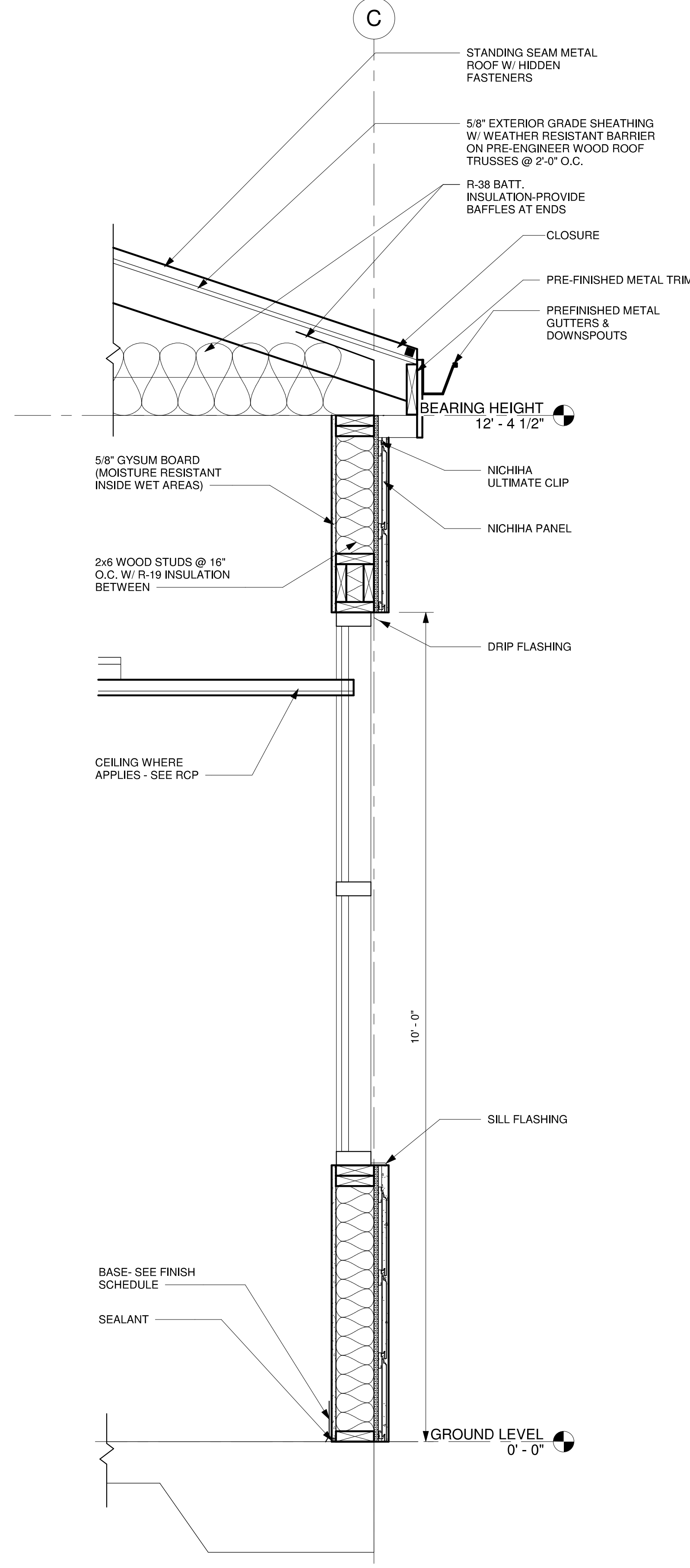
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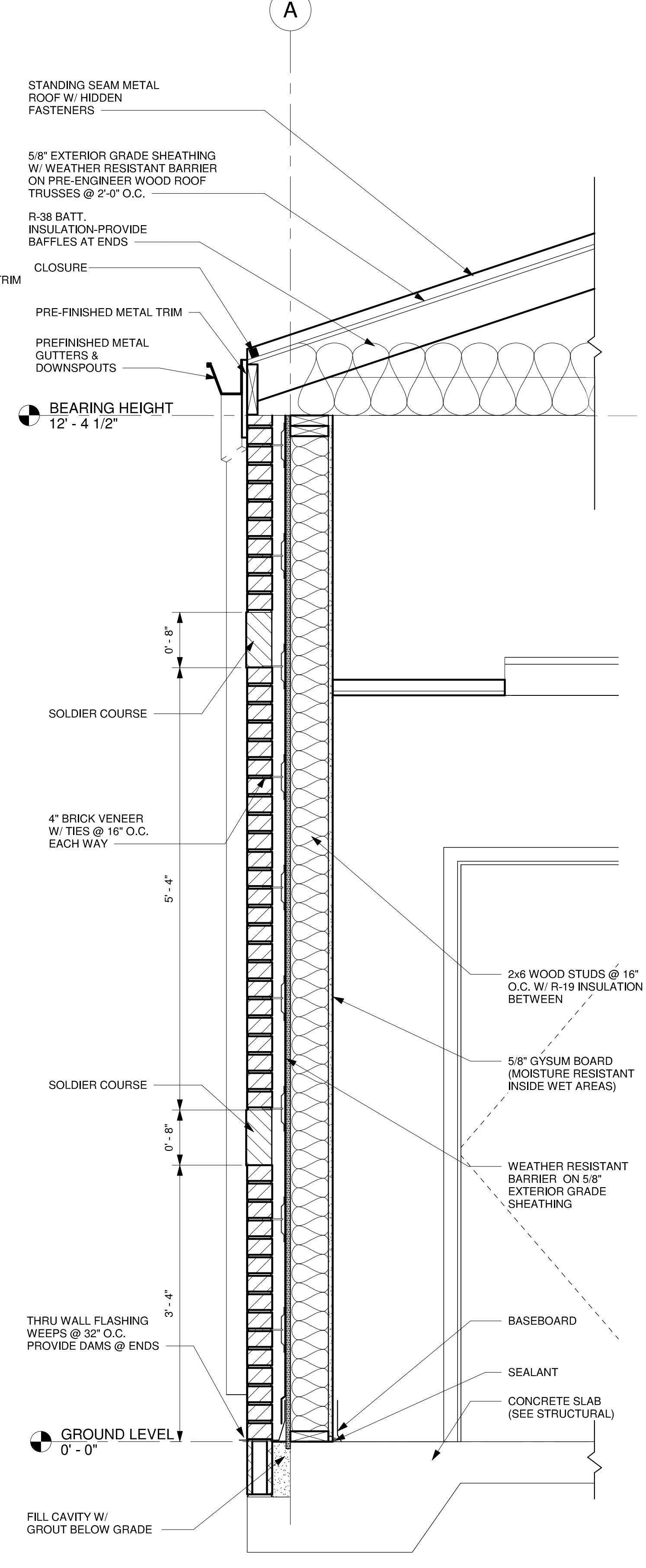
1 WALL SECTION
A301 1" = 1'-0"



2 WALL SECTION
A301 1" = 1'-0"



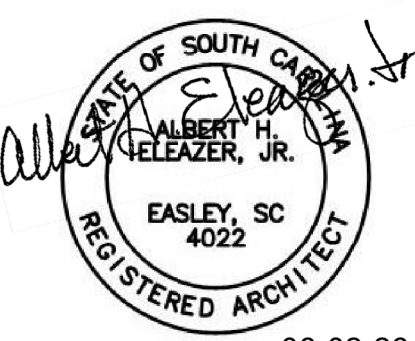
3 WALL SECTION
A301 1" = 1'-0"



4 WALL SECTION
A301 1" = 1'-0"



CORPORATE SEAL



PROFESSIONAL SEAL



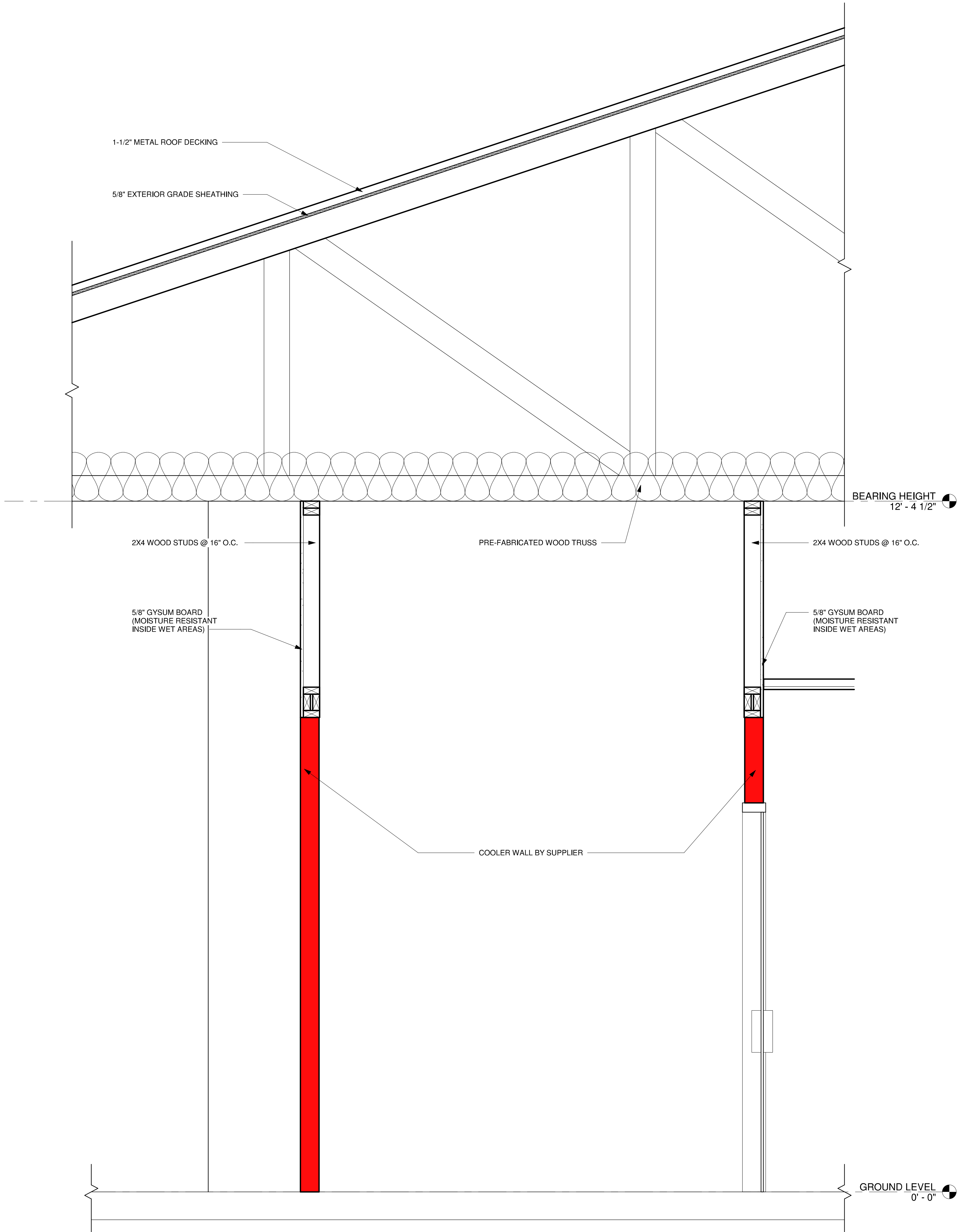
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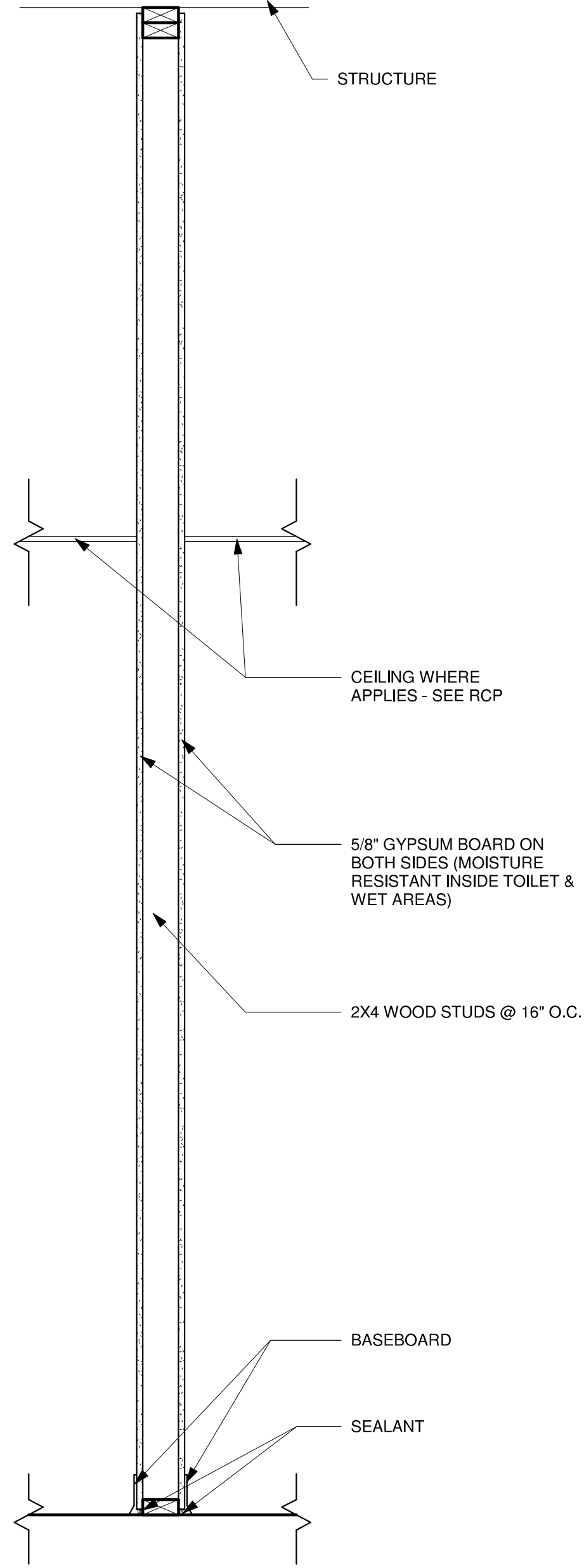
WALL SECTIONS

DESIGNED:	B. HOLCOMBE	
DRAWN:	C. HOLCOMBE	
CHECKED:	H. ELEAZER	
PROJECT No.	.	
DATE	REV	SHEET
06-02-26	0	A301

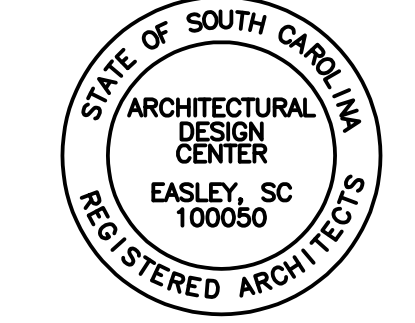
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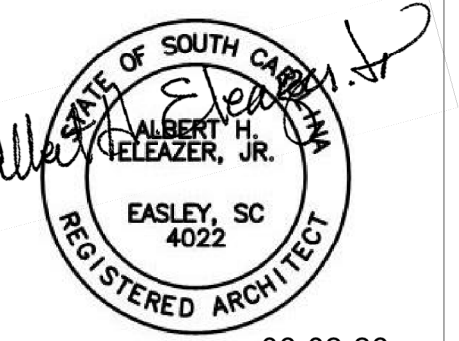
1 WALL SECTION
A302 1" = 1'-0"



3 P.1
A302 1" = 1'-0"



CORPORATE SEAL



PROFESSIONAL SEAL

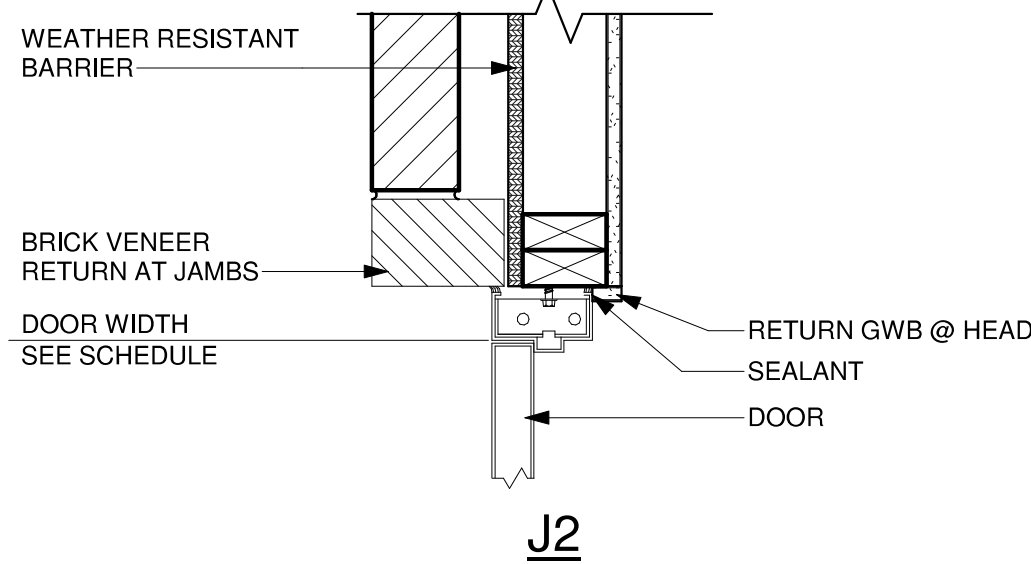
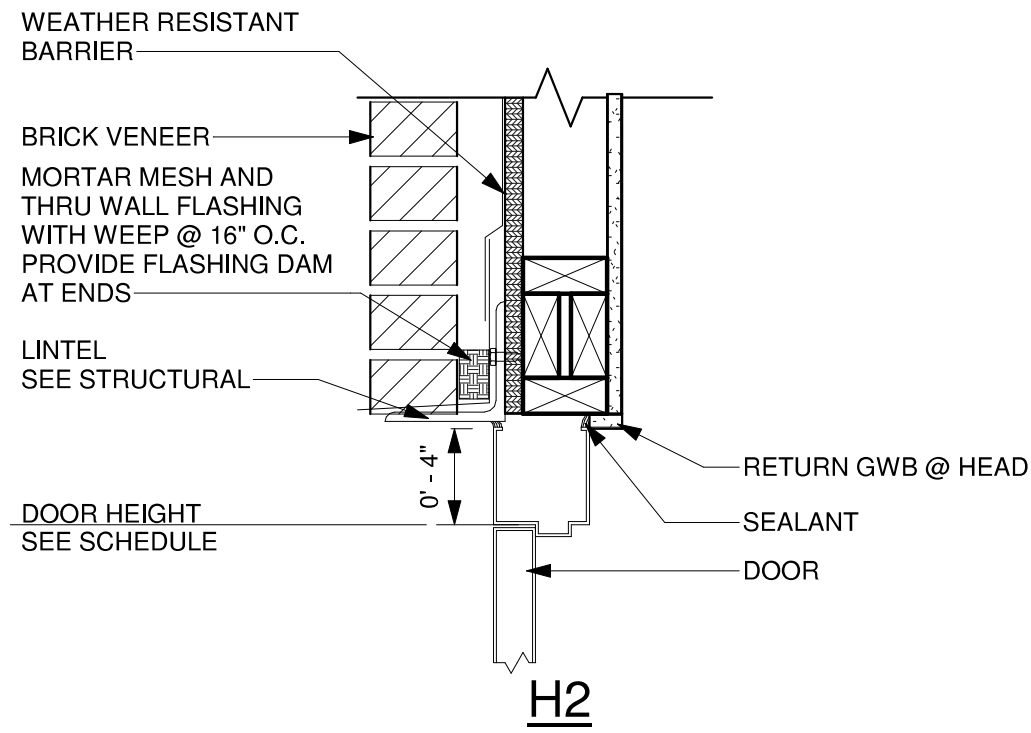
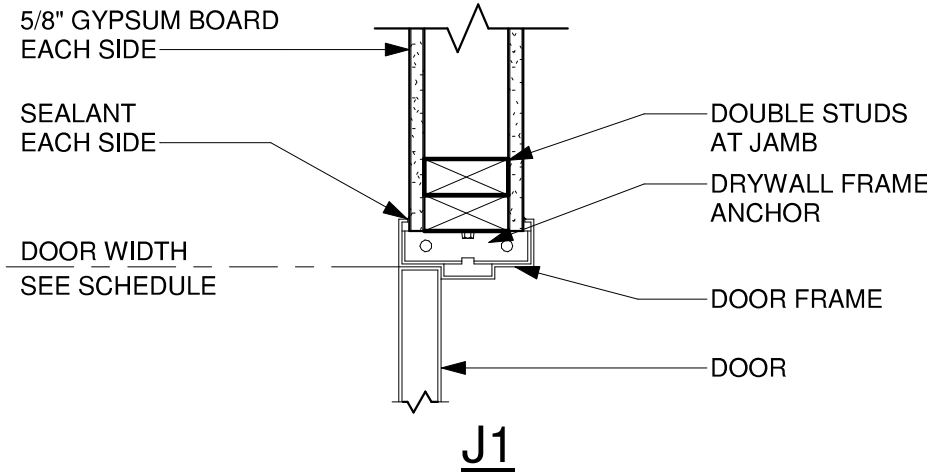
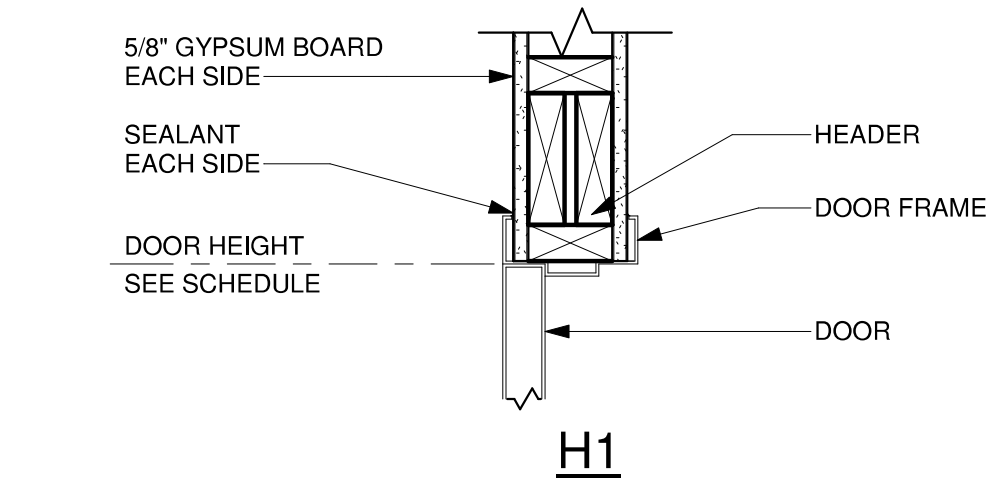


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104 GASTON
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WALL SECTION &
PARTITION
TYPES

DESIGNED:	B. HOLCOMBE	
DRAWN:	C. HOLCOMBE	
CHECKED:	H. ELEAZER	
PROJECT No.	.	
DATE	REV	SHEET
06-02-26	0	A302



DOOR SCHEDULE

DOOR SCHEDULE										
MARK	DOOR AND FRAME						CONSTRUCTION DETAILS		HARDWARE SET	DOOR REMARKS
	DOOR SIZE			DOOR MATERIAL	FRAME MATERIAL	DOOR TYPE	HEAD DETAIL	JAMB DETAIL		
	WIDTH	HEIGHT	THICKNESS							
100	6' - 0"	7' - 0"	-	ALUM/GLASS	ALUM.	SF-D			4	
101	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	P.M.	F	H1	J1	1	
102	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	P.M.	F	H1	J1	3	
103	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	P.M.	F	H1	J1	2	
104	3' - 0"	3' - 0"	-	SOLID CORE WOOD	-	-	-	-	-	SWINGING HALF DOOR WITH SPRING HINGES
105	3' - 0"	7' - 0"	1 3/4	SOLID CORE WOOD	P.M.	F	H1	J1	2	
106	3' - 0"	7' - 0"	1 3/4	H.M.	H.M.	F	H2	H2	4	
107	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	P.M.	F	H1	J1	3	
108	3' - 0"	7' - 0"	1 3/4	SOLID CORE WOOD	P.M.	F	H1	J1	3	

Grand total: 9

HARDWARE SETS

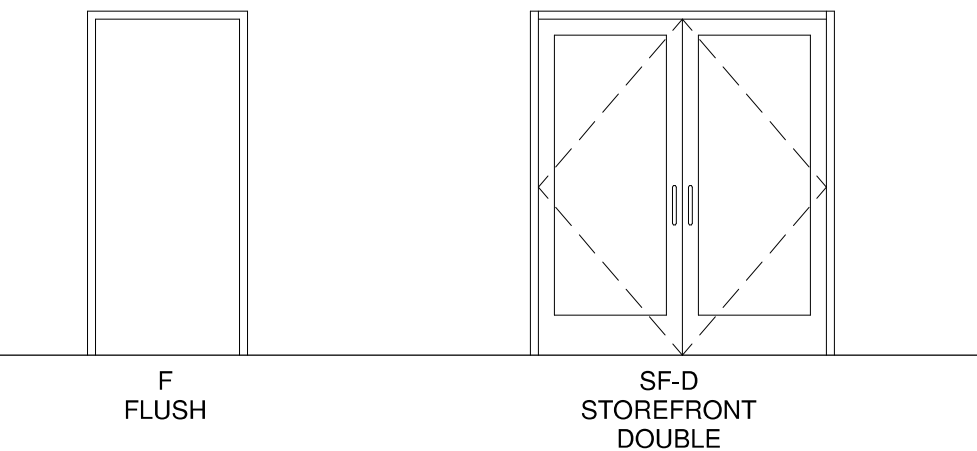
HARDWARE SET # 1
1 1/2 PAIR - 4 1/2"x4 1/2" STAINLESS STEEL BUTTS - NRP
LOCKSET - OFFICE ANSI F82
STOP
SILENCERS

HARDWARE SET # 2
1 1/2 PAIR - 4 1/2"x4 1/2" STAINLESS STEEL BUTTS - NRP
LOCKSET - STORAGE ANSI F86 (F07)
SILENCERS
CLOSER

HARDWARE SET # 3
1 1/2 PAIR - 4 1/2"x4 1/2" STAINLESS STEEL BUTTS - NRP
LOCKSET - PRIVACY ANSI F76
STOP
SILENCERS
CLOSER

HARDWARE SET # 4
1 1/2 PAIR - 4 1/2"x4 1/2" STAINLESS STEEL BUTTS - NRP
LOCKSET - ENTRANCE ANSI F109
THRESHOLD
RAIN DRIP
WEATHER STRIPPING
CLOSER

HARDWARE SET # 5
1 1/2 PAIR - 4 1/2"x4 1/2" STAINLESS STEEL BUTTS - NRP
LOCKSET - PASSAGE ANSI F75
SILENCERS
CLOSER

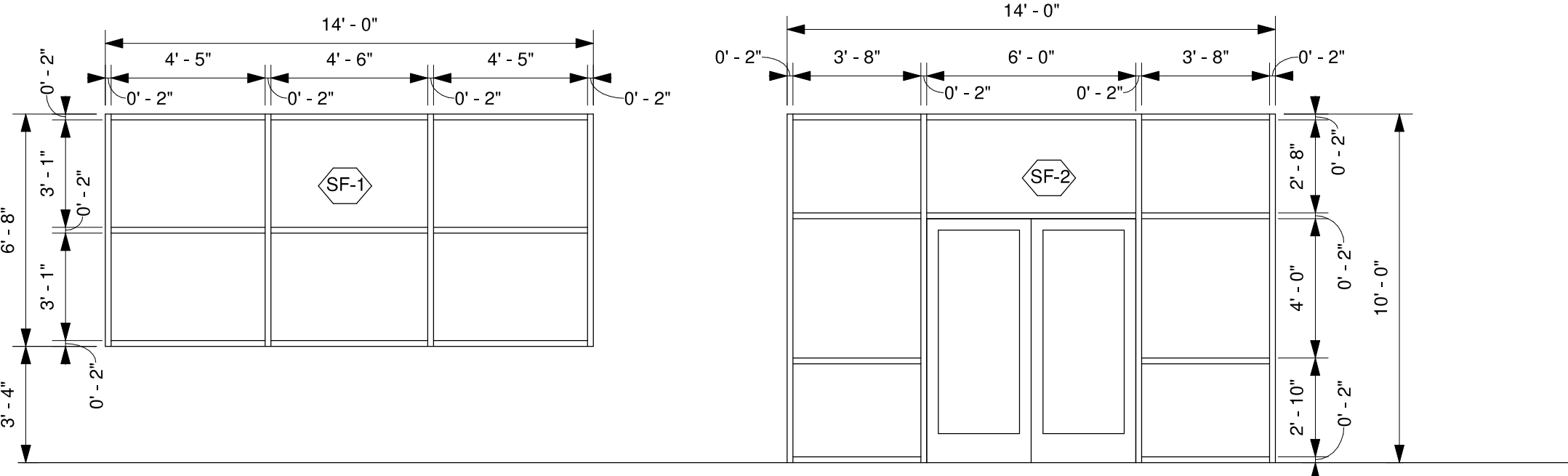


DOOR ELEVATIONS

1/4" = 1' - 0"

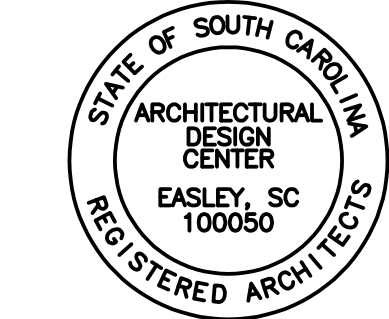
ROOM FINISH SCHEDULE

ROOM FINISH SCHEDULE										
NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES				CEILING FINISH	CEILING HEIGHT	COMMENTS
				NORTH	SOUTH	EAST	WEST			
GROUND LEVEL										
100	STORE AREA	LVT	VINYL	P/GWB	P/GWB	P/GWB	P/GWB	-	-	
101	OFFICE	LVT	VINYL	P/GWB	P/GWB	P/GWB	P/GWB	ACT	9'-0"	
102	KITCHEN	LVT	VINYL	P/GWB	P/GWB	P/GWB	P/GWB	ACT	9'-0"	
103	TOILET	LVT	VINYL	P/GWB	P/GWB	P/GWB	P/GWB	ACT	9'-0"	
104	STAFF TOILET	LVT	VINYL	P/GWB	P/GWB	P/GWB	P/GWB	ACT	9'-0"	
105	STORAGE	LVT	VINYL	P/GWB	P/GWB	P/GWB	P/GWB	-	-	
106	ELECTRICAL	LVT	VINYL	P/GWB	P/GWB	P/GWB	P/GWB	-	-	
107	CORRIDOR	LVT	VINYL	P/GWB	P/GWB	P/GWB	P/GWB	ACT	9'-0"	

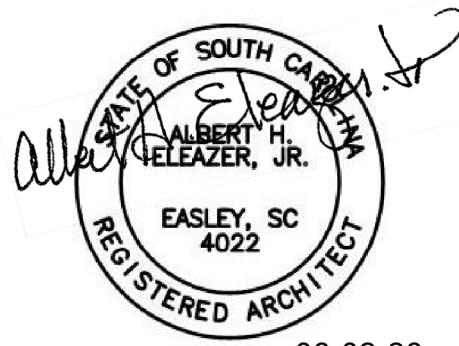


STOREFRONT ELEVATIONS

1/4" = 1' - 0"



CORPORATE SEAL



PROFESSIONAL SEAL



P O BOX 1564
EASLEY, SC 29641
PHONE - (864) 509-0701
FAX (864) 509-0703

104 GASTON
DRIVE
REIDVILLE
CONVENIENCE
STORE

SCHEDULES &
DETAILS

DESIGNED:	B. HOLCOMBE	
DRAWN:	C. HOLCOMBE	
CHECKED:	H. ELEAZER	
PROJECT No.	.	
DATE	REV	SHEET
06-02-26	0	A400

NOTE: See Lighting Fixture Schedule on Sheet #E-002 for Lighting Fixture Symbols & Descriptions

ELECTRICAL SYMBOL LEGEND			
EXIST. REMOVED OR RELOCATED	EXIST. IN PLACE	NEW OR RELOCATED	DESCRIPTION
RECEPTACLES			
			Duplex Receptacle (NEMA 5-20R) – Flush Wall @ 18" AFF
			Duplex Receptacle (NEMA 5-20R) with GFI & WP Cover – Flush Wall @ 18" AFF
			Duplex Receptacle (NEMA 5-20R) – Flush Wall @ 42" AFF or Above Counter
			Duplex Receptacle (NEMA 5-20R) with GFI – Flush Wall @ 42" AFF or Above Counter
			Duplex Receptacle (NEMA 5-20R) – Surface Wall/Equipment or Concealed inside Cabinetry in Surface Box @ 18" AFF
			Duplex Receptacle (NEMA 5-20R) on Dedicated Circuit – Flush Wall @ 18" AFF
			Duplex Receptacle (NEMA 5-20R) on Dedicated Circuit with GFI – Flush Wall @ 42" AFF
			Special Purpose Receptacle to Suit Equipment Served – Flush Wall @ 18" AFF, NEMA Configuration Noted if Known
	N6-30R		Special Purpose Receptacle to Suit Equipment Served – Surface Wall/Equip. @ 18" AFF, NEMA Configuration Noted if Known
	GFI WP		Duplex Receptacle (NEMA 5-20R) with GFI – Surface Wall/Equipment in Cast "FS" Box @ 18" AFF, with In-Use WP Cover
	G.C.		Duplex Receptacle (NEMA 5-20R) – Flush Ceiling
			Duplex Receptacle (NEMA 5-20R or Configuration Noted) – In Flush Floor Box
			Quadraplex Receptacle (NEMA 5-20R) on Dedicated Circuit – Flush Wall @ 18" AFF
			Quadraplex Receptacle (NEMA 5-20R) – Flush Wall @ 42" AFF or Above Counter
JUNCTION BOXES			
			Small Junction Box – Flush Wall
			Small Junction Box – Ceiling or Overhead
			Large Junction Box – Ceiling or Overhead
CIRCUITRY			
			Homerun To Panelboard
			Branch Circuit Wiring – Concealed
			Branch Circuit Wiring – Exposed
			Branch Circuit Wiring – Underfloor
			Branch Circuit Wiring – Underground
			Conduit Stub-Up
			Conduit Stub-Out
			Flexible Conduit
PROVISIONS FOR TELEPHONE/DATA/TV SYSTEMS			
		+84"	Cable TV Outlet-Flush Wall @ 84" AFF or Height Noted with Conduit Stub-Up to Above Accessible Ceiling (Cabling Furnished & Installed by Owner's Forces)
			Telephone/Data Outlet Box with 3/4" Conc. Concealed Stub-Up into Accessible Ceiling or OH – 4" Sq. Box with Extension Ring – Flush Wall @ 18" AFF
			Telephone/Data Outlet Box with 3/4" Conc. Concealed Stub-Up into Accessible Ceiling or OH – 4" Sq. Box with Extension Ring – Flush Wall @ 42" AFF or Above Counter
			Telephone/Data Equipment Board – 3/4" T x 8" H x Width Indicated Painted Fire Retardant Plywood
GROUNDING			
			Coiled Grounding Conductor for T/D Equipment – #6AWG THWN CU (10' Min. @ Loose End)
			3/4" x 10' Driven Copperclad Ground Rod
			10' Grounding Electrode Triad
			#1/0 Grounding Conductor

ELECTRICAL NOTES

1. IT IS THE INTENT OF THESE SPECIFICATIONS AND THE ACCOMPANYING DRAWINGS TO HAVE FURNISHED AND INSTALLED ALL LABOR, MATERIAL, AND EQUIPMENT OF EVERY KIND NECESSARY FOR THE INSTALLATION OF A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM, READY FOR THE OWNER'S BENEFICIAL USE.
2. ANY INCIDENTAL ITEM OF MATERIAL OR LABOR NOT SPECIFICALLY CALLED FOR BUT THAT CAN BE REASONABLY ASSUMED NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEM SHALL BE INCLUDED IN THE SCOPE OF THE WORK.
3. INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH THE LATEST ADOPED EDITIONS OF THE NATIONAL ELECTRICAL CODE (NFPA 70), THE LIFE SAFETY CODE (NFPA 101), THE INTERNATIONAL BUILDING CODE (IBC), THE INTERNATIONAL FIRE CODE (IFC), STATE AND LOCAL CODES, INCLUDING SC DHEC, AND MANDATES OF THE LOCAL BUILDING CODE OFFICIALS. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, LICENSES AND INSPECTIONS. A FINAL INSPECTION CERTIFICATE FROM THE GOVERNING ELECTRICAL INSPECTION AUTHORITY SHALL BE OBTAINED BY THE CONTRACTOR.
4. EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED, COMPLY WITH THE PRODUCT MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. CONSULT WITH MANUFACTURER'S TECHNICAL REPRESENTATIVES FOR SPECIFIC INSTRUCTIONS ON UNIQUE PROJECT CONDITIONS AND UNFORESEEN PROBLEMS.
5. ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, NATIONAL ELECTRICAL LIFE SAFETY CODE, AND ANY LOCAL OR STATE CODES WHICH MAY APPLY. WHERE CODES' REQUIREMENTS DIFFER, THE STRICTER CODE SHALL TAKE PRECEDENCE.
6. THE CONTRACTOR SHALL VISIT THE SITE, AND SHALL BE RESPONSIBLE FOR DETERMINING EXISTING CONDITIONS WHICH WILL AFFECT THE WORK.
7. REMOVE, RELOCATE, AND/OR MODIFY EXISTING ELECTRICAL DEVICES AND SYSTEMS AS INDICATED OR AS REQUIRED TO ACCOMMODATE THE NEW WORK. EXISTING WIRING AND ELECTRICAL EQUIPMENT MADE UNNECESSARY BY THE NEW INSTALLATION SHALL BE REMOVED AND, AT THE OWNER'S OPTION, SHALL EITHER REMAIN THE PROPERTY OF THE OWNER AND BE STORED AS DIRECTED OR SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND LEGALLY DISPOSED. NECESSARY SERVICE INTERRUPTIONS SHALL BE ONLY AT PREARRANGED TIMES, APPROVED BY THE OWNER'S REPRESENTATIVE, WITH ALL OVERTIME LABOR BEING PROVIDED BY THE CONTRACTOR AS REQUIRED.
8. THE GENERAL ARRANGEMENT AND LOCATIONS OF LIGHT FIXTURES, EQUIPMENT, ETC., ARE INDICATED BY THE DRAWINGS AND SHALL BE INSTALLED IN ACCORDANCE THEREWITH, WITH THE EXCEPTION OF SUCH CHANGES WHICH MAY BE MADE NECESSARY ON ACCOUNT OF OTHER TRADES AND UNFORESEEN FIELD CONDITIONS. CONTRACTOR SHALL COORDINATE WORK WITH INSTALLATION OF OTHER SUBCONTRACTORS AND OWNER SUPPLIED EQUIPMENT AND FURNISHINGS.
9. SEQUENCE, COORDINATE AND INTEGRATE THE VARIOUS ELEMENTS OF ELECTRICAL WORK SO THAT THE ELECTRICAL SYSTEM WILL PERFORM AS INDICATED AND BE IN HARMONY WITH THE OTHER WORK OF THE BUILDING. ELECTRICAL WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR & OWNER AS TO SCHEDULING, DIMENSIONING AND EXACT LOCATION OF EQUIPMENT.
10. REALIZE THAT ELECTRICAL CIRCUITS TO EQUIPMENT FURNISHED UNDER OTHER SECTIONS OF THESE SPECIFICATIONS ARE BASED ON DESIGN LOADS. IF EQUIPMENT ACTUALLY FURNISHED AND INSTALLED HAVE LOADS OTHER THAN THOSE INDICATED ON THE DRAWINGS OR SPECIFIED HEREIN, CIRCUITS, DEVICES, ETC. SHALL BE ADJUSTED ACCORDINGLY.
11. WIRE SHALL BE COPPER, MINIMUM #12 AWG SIZE AND SHALL HAVE TYPE THWN INSULATION. WIRE SHALL BE STRANDED. CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS:
120/208 VOLT SYSTEMS:
PHASE A: BLACK
PHASE B: RED
PHASE C: BLUE
NEUTRAL: WHITE
GROUND: BARE OR GREEN
12. ALL WIRING SHALL BE INSTALLED IN CONDUIT. MINIMUM SIZE SHALL BE 1/2" (3/4" UG). USE PVC SCHED 40 BELOW GRADE, RIGID METAL WHERE EXPOSED TO DAMAGE, FLEXIBLE METAL FOR LIGHTING FIXTURE CONNECTIONS, SEALTITE FLEXIBLE METAL FOR EQUIPMENT CONNECTIONS, AND EMT OTHERWISE.
PROVIDE A COMPLETE ASSEMBLY OF CONDUIT, TUBING OR DUCT, WITH FITTINGS INCLUDING, BUT NOT NECESSARILY LIMITED TO, CONNECTORS, NUTS, COUPLERS, ELBOWS AND OTHER COMPONENTS AND ACCESSORIES AS NEEDED TO FORM A COMPLETE SYSTEM. WHERE 3 OR MORE CONDUITS ARE INSTALLED ADJACENT TO ONE ANOTHER, THEY SHALL BE GROUPED AND SUPPORTED BY STRUCTURAL CHANNEL SUCH AS "KINDORF" AS MANUFACTURED BY STEEL CITY.
13. USE FLEXIBLE CONDUIT FOR CONNECTION OF MOTORS AND FOR OTHER ELECTRICAL EQUIPMENT WHERE SUBJECT TO MOVEMENT AND VIBRATION.
14. ALL RACEWAYS SHALL CONTAIN AN ELECTRICALLY CONTINUOUS INSULATED GROUNDING CONDUCTOR, COLOR CODED GREEN AND SIZED, UNLESS OTHERWISE INDICATED, IN ACCORDANCE WITH NEC TABLE 250-122.
15. CABLE, WHEN ALLOWED BY CODE, TYPE MC CABLE MAY BE INSTALLED IN LIEU OF WIRE IN CONDUIT. ONLY USE IN CONCEALED WORK. DO NOT INSTALL EXPOSED.
16. PROVIDE WALL PLATE MANUFACTURER'S STANDARD COLOR SELECTIONS TO ARCHITECT FOR HIS FINAL SELECTION IN FINISHED AREAS.
17. TELEPHONE & DATA OUTLETS SHALL BE FLUSH 4" SQUARE X 2-1/8" DEEP BOXES WITH SINGLE GANG EXTENSION RINGS.
18. OUTLETS OCCURRING IN WALL PANELS OR IN ARCHITECTURAL FEATURES SHALL BE COORDINATED WITH DETAILS AND ELEVATIONS CONTAINED ON ARCHITECTURAL DRAWINGS.
19. INSTALL INSULATED BONDING WIRE IN ALL FLEXIBLE CONDUITS REGARDLESS OF LENGTH.
20. UNLESS OTHERWISE NOTED OR REQUIRED, INSTALL A SEPARATE CONCEALED EMPTY 1" CONDUIT WITH PULLWIRE FROM EACH AND EVERY TELEPHONE & DATA OUTLET TO AN ACCESSIBLE CEILING SPACE ABOVE. COORDINATE EXACT LOCATION OF TELEPHONE & DATA OUTLETS WITH THE OWNER'S INSTALLERS. (ALL WALL MOUNTED OUTLETS SHALL BE FLUSH IN WALL AND HAVE THEIR CENTERS 18" ABOVE THE FINISHED FLOOR UNLESS OTHERWISE NOTED).
21. ALL CONDUIT SYSTEMS, EQUIPMENT CASES, MOTOR FRAMES AND SYSTEM NEUTRAL CONDUCTORS SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, ARTICLE 250. ALL RACEWAYS SHALL CONTAIN AN ELECTRICALLY CONTINUOUS INSULATED GROUNDING CONDUCTOR, COLOR CODED GREEN AND SIZED, UNLESS OTHERWISE INDICATED, IN ACCORDANCE WITH NEC TABLE 250-122.
22. PANELBOARD DIRECTORY CARDS SHALL BE NEATLY AND ACCURATELY FILLED IN USING A TYPEWRITER OR PRINTER, IDENTIFYING ALL BRANCH CIRCUIT LOADS, INCLUDING ROOM DESIGNATIONS, SUPPLIED BY EACH CIRCUIT. CONSULT OWNER FOR EXACT TERMINOLOGY TO USE.
23. LIGHTING FIXTURES OF THE SIZE, TYPE AND RATING AS SCHEDULED ON THE DRAWINGS SHALL BE FURNISHED TO THE CONTRACTOR BY THE OWNER FOR CONTRACTOR INSTALLATION.
24. EXIT & EMERGENCY LIGHTING
A. INSTALL EXIT AND EMERGENCY LIGHTING UNITS AS INDICATED. CONSIDER OBSTRUCTIONS AND ADJUST PLACEMENT FOR OPTIMUM PERFORMANCE.
25. ELECTRICAL IDENTIFICATION SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING PROVISIONS:
A. ENGRAVING STOCK MELAMINE PLASTIC LAMINATE LABELS, BLACK WITH WHITE CORE, FASTENED WITH PANHEAD SCREWS AND EXPANSION SHIELDS ON BLOCK WALLS OR CONTACT TYPE PERMANENT ADHESIVE FOR DIRECT FASTENING TO EQUIPMENT FOR ALL MAJOR PIECES OF ELECTRICAL EQUIPMENT.
B. ALL CONDUCTORS SHALL BE MARKED WITH ADHESIVE WIRE MARKERS AT ALL JUNCTION POINTS. THE PANELBOARD AND BRANCH CIRCUIT NUMBER SHALL BE INDICATED. USE THOMAS & BETTS E-Z CODE TAB TYPE WIRE MARKERS.
26. TESTS AND ADJUSTMENTS:
A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL TESTING OF ELECTRICAL SYSTEM.
B. THE FOLLOWING SHALL BE MADE AVAILABLE TO PERSONNEL CONDUCTING THE TEST:
ELECTRICIAN WITH HAND TOOLS
ACCURATE VOLTMETER
CLAMP-ON AMMETER
TEST LAMP
PHASE ROTATION INDICATOR
COMPLETE ELECTRICAL SPECIFICATIONS AND DRAWINGS WITH ADDENDA AND REVISIONS.
27. THE CONTRACTOR SHALL SHOW BY DEMONSTRATION IN SERVICE THAT ALL CIRCUITS AND DEVICES ARE IN GOOD OPERATING CONDITION.
28. MAINTAIN A WHITE-PRINT SET OF ELECTRICAL CONTRACT DRAWINGS AND SHOP DRAWINGS IN CLEAN, UNDAMAGED CONDITION, FOR MARK-UP OF ACTUAL INSTALLATIONS WHICH VARY SUBSTANTIALLY FROM THE WORK AS SHOWN. MARK WITH ERASABLE PENCIL, AND USE MULTIPLE COLORS TO AID IN THE DISTINCTION BETWEEN WORK OF SEPARATE ELECTRICAL SYSTEMS. RECORD EVERY SUBSTANTIVE INSTALLATION OF ELECTRICAL WORK WHICH PREVIOUSLY IS EITHER NOT SHOWN OR SHOWN INACCURATELY.
29. BY ACCEPTANCE OF THIS CONTRACT THE ELECTRICAL CONTRACTOR IS REQUIRED TO GUARANTEE ALL MATERIALS AND WORKMANSHIP AGAINST DEFECTS OF ANY DESCRIPTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK.

2P	TWO POLE
3ø	THREE PHASE
3P	THREE POLE
A	AMPERE
AAP	ATTIC ACCESS PANEL
AF	ABOVE FINISHED FLOOR
ACH	ABOVE COUNTER HEIGHT
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION
CF	COMPACT FLUORESCENT
CU	COPPER
DW	DISHWASHER
EC	EMPTY CONDUIT
EM	EMERGENCY
EWC	ELECTRIC WATER COOLER
FC	FOOTCANDLES
FLR	FLOOR MOUNTED
FO	FIBER OPTIC
FWE	FURNISHED WITH EQUIPMENT
G	GROUND
GFI	GROUND FAULT INTERRUPTER
HD	HEAVY DUTY
H-O—A	HAND—OFF—AUTOMATIC
HP	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
IG	ISOLATED GROUND
KE	KITCHEN EQUIPMENT
KV	KILO VOLTS
KVA	KILO VOLT AMPS
KW	KILO WATTS
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRIC CODE
NL	NIGHTLIGHT
OC	ON CENTER
PBRD	PANELBOARD
P.L.	PROPERTY LINE
POS	POINT OF SALE
PVC	POLYVINYL CHLORIDE
RE	REFRIGERATION EQUIPMENT
RGS	RIGID GALVANIZED STEEL
SE	SERVICE ENTRANCE
SPD	SURGE PROTECTION DEVICE
SS	STAINLESS STEEL
TEB	TELEPHONE EQUIPMENT BOARD
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VOLT
W	WATT OR WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER

[illegible]

OWNER'S EQUIPMENT CONNECTION SCHEDULE										
ITEM TAG	DESCRIPTION	VOLTAGE/ PHASE	LOAD DATA			EQUIPMENT DISCONNECT	BRANCH CIRCUIT CONDUCTORS & CONDUIT	BRANCH CIRCUIT NUMBER	LOCATED IN ROOM NUMBER	NOTES
			AMPS	HP	KVA					
KITCHEN/CHECK-OUT										
EQ-1a	FRY BATTERY FILTER	120/1	5.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-8	KITCHEN	
EQ-1b	FRY BATTERY FILTER	120/1	5.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-8	KITCHEN	
EQ-4	KITCHEN HOOD									SEE HOOD DRAWINGS
EQ-4A	HOOD CONTROL PANEL	120/1	10.0			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	B-2	KITCHEN	SHUNT TRIP
EQ-4B	EXHAUST FAN KEF-1	120/1		3/4		INTEGRAL	2#12, 1#12G - ½" C.	B-6 VIA HOOD CP	KITCHEN	ON ROOF
EQ-4C	SUPPLY FAN KSF-1	120/1		1		INTEGRAL	2#12, 1#12G - ½" C.	B-4 VIA HOOD CP	KITCHEN	ON ROOF
EQ-4D	HOOD LIGHTS	120/1				SWITCH FWE	2#14, 1#14G - ½" C.	HOOD CONTROL PANEL	KITCHEN	IN HOOD
EQ-4E	FIRE SUPPRESSION MICRO SWITCH	120/1	0.5				2#16, 1#16G - ½" C.	HOOD CONTROL PANEL	KITCHEN	IN HOOD
EQ-4F	ROOM TEMPERATURE SENSOR	120/1	0.5				2#16, 1#16G - ½" C.	HOOD CONTROL PANEL	KITCHEN	KITCHEN WALL
EQ-9	CONVEYOR PIZZA OVEN	208/1	37.0			NEMA 6-50R	2#8, 1#10G - ¾" C.	MDP-12	KITCHEN	
EQ-13a	POS	120/1	6.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-1	CHECKOUT	
EQ-13b	POS	120/1	6.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-1	CHECKOUT	
EQ-44	WATER FILTRATION	120/1	1.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-6	KITCHEN	
EQ-51	MICROWAVE OVEN	120/1	15.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-3	KITCHEN	
EQ-52	CASH CONTROL SAFE	120/1	1.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-1	CHECKOUT	
EQ-47A	ICE MAKER	120/1	1.1			NEMA 5-20R	2#12, 1#12G - ½" C.	B-5	KITCHEN	
EQ-47B	ICE MAKER REMOTE CONDENSER	208/1	13.3			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	B-35	KITCHEN	
TOILETS										
EQ-45A	HAND DRYER	120/1	12.2			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	A-32	TOILET 103	
EQ-45B	HAND DRYER	120/1	12.2			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	A-34	TOILET 104	
SALES AREA										
EQ-39A	TEA BREWER	120/1	14.4			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	B-7	SALES AREA	
EQ-39B	TEA BREWER	120/1	14.4			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	B-9	SALES AREA	
EQ-32a	COFFEE BREWER	208/1	29.0			PANELBOARD CIRCUIT BREAKER	2#8, 1#10G - ¾" C.	MDP-14	SALES AREA	
EQ-32b	COFFEE BREWER	208/1	29.0			PANELBOARD CIRCUIT BREAKER	2#8, 1#10G - ¾" C.	MDP-16	SALES AREA	
EQ-24	HOT DOG GRILL	120/1	14.4			NEMA 5-20R	2#12, 1#12G - ½" C.	B-17	SALES AREA	
EQ-25	HOT DOG BUN WARMER	208/1	1.1			NEMA 5-20R	2#12, 1#12G - ½" C.	B-39	SALES AREA	
EQ-26	REFRIGERATED RAIL	120/1	4.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-19	SALES AREA	
EQ-28a	FOOD TOPPING WARMER	120/1	8.3			NEMA 5-20R	2#12, 1#12G - ½" C.	B-32	SALES AREA	
EQ-28b	FOOD TOPPING WARMER	120/1	8.3			NEMA 5-20R	2#12, 1#12G - ½" C.	B-34	SALES AREA	
EQ-29	HEATED DISPLAY MERCHANDISER	120/1	6.2			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	B-21	SALES AREA	
EQ-30	MICROWAVE OVEN	120/1	15.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-35	SALES AREA	
EQ-31	BEVERAGE DISPENSER	120/1	15.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-37	SALES AREA	
EQ-33a	CREAMISER	120/1	3.2			NEMA 5-20R	2#12, 1#12G - ½" C.	B-31	SALES AREA	
EQ-33b	CREAMISER	120/1	3.2			NEMA 5-20R	2#12, 1#12G - ½" C.	B-31	SALES AREA	
EQ-34A	NON-CARB BEVERAGE DISPENSER	120/1	12.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-33	SALES AREA	
EQ-34B	NON-CARB BEVERAGE DISPENSER	120/1	12.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-25	SALES AREA	
EQ-34C	NON-CARB BEVERAGE DISPENSER	120/1	12.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-27	SALES AREA	
EQ-35	CARB DRINK MACHINE	230/1			3.0	NEMA LG-20R	2#12, 1#12G - ½" C.	B-43	SALES AREA	#5
EQ-36	ICE/SODA DISPENSER	120/1	5.2			NEMA 5-20R	2#12, 1#12G - ½" C.	B-15	SALES AREA	
EQ-36A	NUGGET ICE MAKER	208/1	11.3			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	B-41	SALES AREA	
EQ-40	HEATED DISPLAY CASE	208/1	22.4			PANELBOARD CIRCUIT BREAKER	2#8, 1#10G - ¾" C.	B-51	SALES AREA	
EQ-48	ICE MERCHANDISER	120/1	6.7			NEMA 5-20R	2#12, 1#12G - ½" C.	B-13	SALES AREA	
EQ-??	ICE CREAM NOVELTY CASE	120/1	1.3			NEMA 5-20R	2#12, 1#12G - ½" C.	B-10	SALES AREA	
EQ-??	ATM	120/1	10.0			NEMA 5-20R	2#12, 1#12G - ½" C.	B-12	SALES AREA	
REFRIGERATED COOLERS/FREEZERS										
RE-9	COMBO COOLER EVAPORATOR	120/1	0.8			1P WP 20A MAN. MTR. STARTER w/o OL'S	2#12, 1#12G - ½" C.	B-14	COMBO COOLER	
RE-10	COMBO COOLER CONDENSER	208/1	5.1			30/15/2P/N3R FUSIBLE DISCONNECT SWITCH	2#12, 1#12G - ½" C.	B-36	KITCHEN ROOF	
RE-11	COMBO FREEZER EVAPORATOR	208/1	5.4			2P WP 20A MAN. MTR. STARTER w/o OL'S	2#12, 1#12G - ½" C.	B-40	COMBO FREEZER	
RE-12	COMBO FREEZER CONDENSER	208/3	7.2			30/15/3P/N3R FUSIBLE DISCONNECT SWITCH	3#12, 1#12G - ½" C.	B-26	ON ROOF	
RE-14	BEER CAVE COOLER CONDENSER	208/3	24.6			60/50/3P/N3R FUSIBLE DISCONNECT SWITCH	3#8, 1#10G - ¾" C.	MDP-4	ON ROOF	
RE-15a	BEER CAVE COOLER EVAPORATOR	208/1	7.5			2P WP 20A MAN. MTR. STARTER w/o OL'S	2#12, 1#12G - ½" C.	B-44	BEER CAVE COOLER	
RE-15b	BEER CAVE COOLER EVAPORATOR	208/1	7.5			2P WP 20A MAN. MTR. STARTER w/o OL'S	2#12, 1#12G - ½" C.	B-48	BEER CAVE COOLER	
RE-16	BEER CAVE COOLER EVAPORATOR	208/1	7.5			2P WP 20A MAN. MTR. STARTER w/o OL'S	2#12, 1#12G - ½" C.	B-52	BEER CAVE	
RE-17a	DRINK COOLER EVAPORATOR	120/1	1.6			1P WP 20A MAN. MTR. STARTER w/o OL'S	2#12, 1#12G - ½" C.	B-16	DRINK COOLER	
RE-17b	DRINK COOLER EVAPORATOR	120/1	1.6			1P WP 20A MAN. MTR. STARTER w/o OL'S	2#12, 1#12G - ½" C.	B-18	DRINK COOLER	
RE-18	DRINK COOLER CONDENSER	208/3	16.8			30/30/3P/N3R FUSIBLE DISCONNECT SWITCH	3#10, 1#10G - ¾" C.	MDP-2	ON ROOF	
RE-18A	8 DOORS - BEER COOLER LTS/HTRS	120/1	3.6			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	A-7	BEER COOLER	
RE-18B	2 DOORS - BEER COOLER LTS/HTRS	120/1	0.9			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	A-7	BEER CAVE	
RE-18C	9 DOORS - BEER COOLER LTS/HTRS	120/1	3.9			PANELBOARD CIRCUIT BREAKER	2#12, 1#12G - ½" C.	A-7	DRINK COOLER	

- NOTES:
- ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
 - ALL LOADS ARE ESTIMATED OR TENTATIVE. FIELD VERIFY & ADJUST CIRCUITRY ACCORDINGLY.
 - INSTALL FACTORY HANDLE LOCK ON BRANCH CIRCUIT BREAKER.
 - ALL RECEPTACLES LOCATED IN THE KITCHEN SHALL BE EITHER GROUND FAULT TYPE OR CIRCUITED TO GROUND FAULT CIRCUIT BREAKERS.
 - WIRE THROUGH BUCK-BOOST TRANSFORMER FWE.

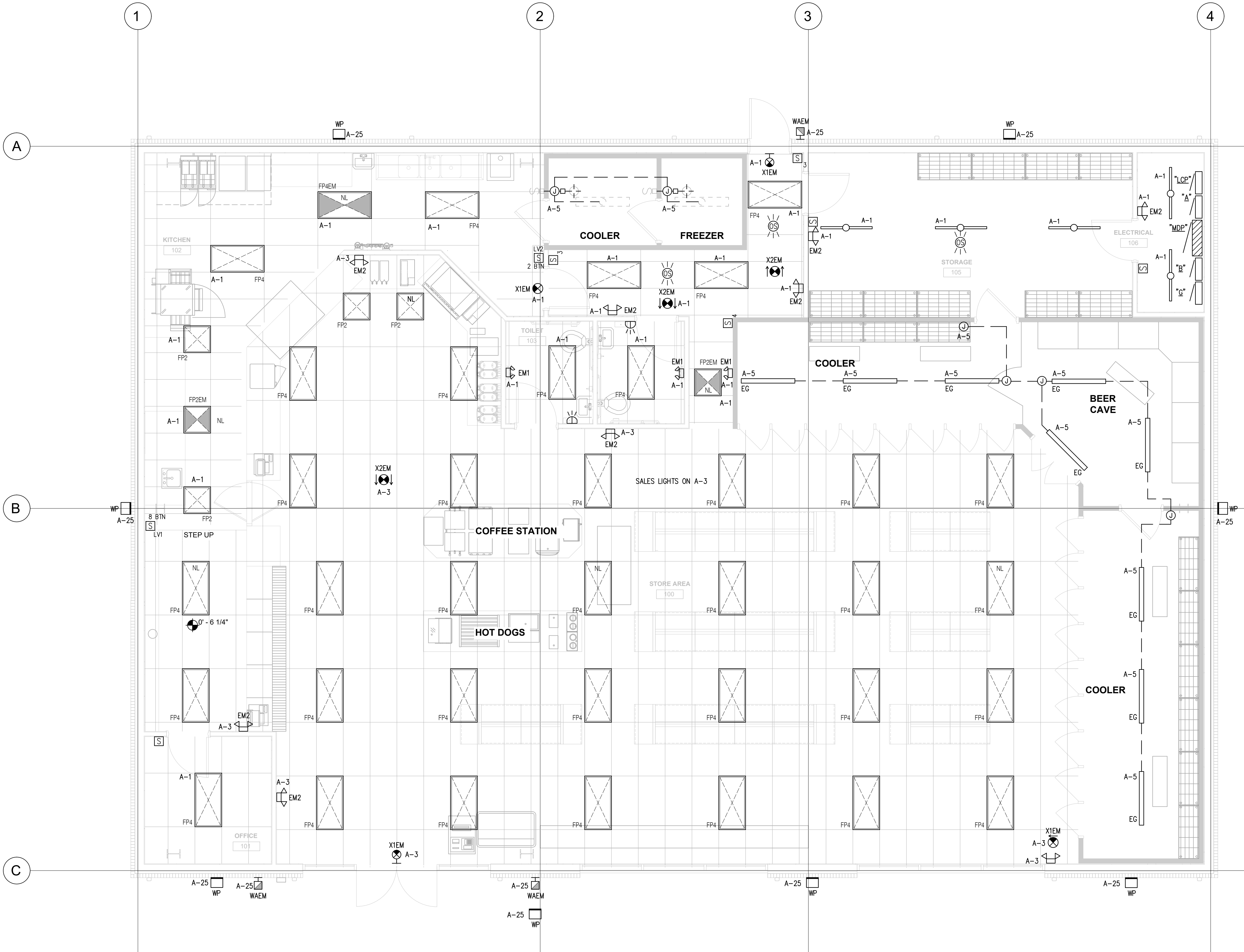
MECHANICAL EQUIPMENT CONNECTION SCHEDULE										
ITEM TAG	DESCRIPTION	VOLTAGE/ PHASE	LOAD DATA			EQUIPMENT DISCONNECT	BRANCH CIRCUIT CONDUCTORS & CONDUIT	BRANCH CIRCUIT NUMBER	EOP LOCATED IN ROOM NUMBER	NOTES
			AMPS	HP	KVA					
INTERIOR										
EF-1	ROOF EXHAUST FAN	120/1			14W	FWE	2#12, 1#12G - 1/2" C.	A-26	CEILING	
EF-2	ROOF EXHAUST FAN	120/1			14W	FWE	2#12, 1#12G - 1/2" C.	A-26	CEILING	
EF-3	ROOF EXHAUST FAN	120/1			9W	FWE	2#12, 1#12G - 1/2" C.	A-26	CEILING	
WH-1	GAS WATER HEATER	120/1			100W	NEMA 1 20A 1P MANUAL MOTOR SWITCH (NO OL'S)	2#12, 1#12G - 1/2" C.	A-24	KITCHEN	
ROOF TOP										
RTU-1	ROOFTOP A/C UNIT	208/1	24.5		(3 TON)	NON-FUSIBLE DISCONNECT SWITCH FWE	2#8, 1#10G - 3/4" C.	MDP-1	ROOF	5
RTU-2	ROOFTOP A/C UNIT	208/1	39.1		(5 TON)	NON-FUSIBLE DISCONNECT SWITCH FWE	2#8, 1#10G - 3/4" C.	MDP-5	ROOF	5
RTU-3	ROOFTOP A/C UNIT	208/1	39.1		(5 TON)	NON-FUSIBLE DISCONNECT SWITCH FWE	2#8, 1#10G - 3/4" C.	MDP-9	ROOF	5
KEF-1	HOOD EXHAUST FAN	120/1		3/4		INTEGRAL	2#12, 1#12G - 1/2" C.	B-4	ROOF	3
KSF-1	HOOD MAKEUP AIR FAN	120/1		1		INTEGRAL	2#12, 1#12G - 1/2" C.	B-6	ROOF	3
EXTERIOR										

- NOTES:
- ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
 - ALL LOADS ARE ESTIMATED OR TENTATIVE. FIELD VERIFY & ADJUST CIRCUITRY ACCORDINGLY.
 - ROUTE CIRCUITS THRU KITCHEN HOOD CONTROL PANEL.
 - INTERLOCK WITH LOCAL LIGHTS.
 - INDICATED AMPS ARE MCA.
 - INDICATED AMPS ARE NEC MOTOR TABLE FLA'S AT 208V/3-PH.
 - INDICATED AMPS ARE NAMEPLATE FLA'S AT 208V/3-PH.

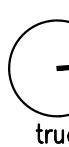
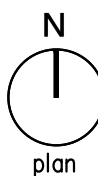
PANELBOARD TAG: MDP		VOLTAGE RATING: 120/208V, 3ø, 4W				FED FROM UTILITY PAD MOUNTED TRANSFORMER			
LOCATION: ELECT. ROOM 106		MAINS RATING/TYPE/LOCATION: 600A MCB AT BOTTOM							
CONSTRUCTION/MOUNTING: NEMA 1 SURFACE		MINIMUM SIC RATING AMP'S: 22,000							
LOAD VA's	LOAD DESCRIPTION	CKT #	POLE	TRIP/P	LOAD DESCRIPTION	LOAD VA's	CONNECTED @ LOADING (VA's)		
							L1	L2	L3
2,250	RTU-1	1	1	40/2	2	2,020	4,270		
2,250		1	3	30/3	4	2,020			
4,000	RTU-2	3	5	60/2	6	2,020			6,020
4,000		3	7	50/3	10	2,950	6,950		
4,000	RTU-3	5	9	60/2	12	2,950	6,950		
4,000		5	11		14	2,950		6,950	
11,632	PBRD "A" ADJACENT	13			16		11,632		
11,686		17	15	175/3	16	SPACE	11,686		
9,884	PBRD "B" ADJACENT	17	15		18	8			9,884
17,458		19			20	PBRD "C" ADJACENT (FUELING EQUIPMENT) - NOTE #2	7,600	25,058	
17,236	PBRD "B" ADJACENT	9	23	175/3	22	8	7,360	24,596	
16,157		23	24		24	SHUNT TRIP	7,360		23,517
	SPACE	25			26			0	
		27	/3		28	SPACE		0	0
	SPACE	29		/2	30				0
		31			32	12	3,850	3,850	
	SPACE	13	33	/3	34	EQ-9 PIZZA OVEN RECEIPTALE	3,850		3,850
		35			36	ITEM #32a COFFEE BREWER	3,150		3,150
	SPACE	37			38	14	3,150	3,150	
		15	39	/3	50/2	40	ITEM #32b COFFEE BREWER	3,150	3,150
		41			42	16	3,150		3,150
NOTES:						CONNECTED VA's per PHASE			
1. ALUMINUM BUS.						54,910 54,502 52,671			
2. EQUIP WITH SHUNT TRIP & INTERLOCK WITH 'EPO' SWITCH NEAR FUELING.						458 454 439			
3. EQUIP WITH INTEGRAL SE TYPE SPD RATED 150KA PER PHASE & 150KA PER MODE, TOTAL 300KA.						EQUIVALENT TOTAL VA's (MAX @ x 3) 164,790 VA's			
4.						MAX @ AMP'S 457 AMP'S			
5.						ESTIMATED DEMAND FACTOR 0.75			
6.						ESTIMATED DEMAND VA's 123,548 VA's			
						ESTIMATED MAX DEMAND @ AMP'S 343 AMP'S			

PANELBOARD TAG: A		VOLTAGE RATING: 120/208V, 3ø, 4W		FED FROM ADJACENT PBRD "MDP"						
LOCATION: ELECT. ROOM #106		MAINS RATING/TYP/LOCATION: 200A MLO AT BOTTOM								
CONSTRUCTION/MOUNTING: NEMA 1 SURFACE		MINIMUM SIC RATING AMP'S: 22,000								
LOAD VA's	LOAD DESCRIPTION	CKT #	POLE	TRIP/P	LOAD DESCRIPTION	LOAD VA's	CONNECTED @ LOADING (VA's)			
							L1	L2	L3	
1,095	LIGHTS-KITCHEN (LCP-1,2)/REAR. OFF.	1	1	20/1	2	2	RECEPTACLES - OFFICE	900	1,995	
1,456	LIGHTS - SALES (LCP-3,4)	3	3	20/1	4	4	RECEPTACLES - CASHIERS	900	2,356	
478	LIGHTS - COOLERS/FREEZERS (LCP-5)	5	5	20/1	6	6	RECEPTACLES - KITCHEN	1,000		1,478
1,045	EQ-18A,B,C, COOL./FREEZ. DR.LTS, HTRS	7	7	20/1	8	8	RECEPTACLES - STORAGE	1,260	2,305	
1,250	LIGHTS - GAS CANOPY (LCP-11)	9	9	20/1	10	10	RECEPTACLES - TOILETS, BEER CAVE	1,000	2,250	
1,250	LIGHTS - GAS CANOPY (LCP-12)	11	11	20/1	12	12	RECEPTACLES - SALES	1,260		2,510
1,800	BUILDING SIGN (LCP-13)	13	13	20/1	14	14	RECEPTACLES - WINDOW DISPLAYS	1,000	2,800	
1,800	SITE SIGN #1 (LCP-14)	15	15	20/1	16	16	RECEPTACLES - COFFEE, HOT DOGS	720	2,520	
1,800	SITE SIGN #2 (LCP-15)	17	17	20/1	18	18	RECEPTACLES - CASHIERS	1,000		2,800
1,664	SITE LIGHTS (POLE MOUNTED) (LCP-7)	19	19	20/1	20	20	RECEPTACLES - SALES FLOOR BOXES	1,000	2,644	
1,000	SITE LIGHTS (POLE MOUNTED) (LCP-8)	21	21	20/1	22	22	RECEPTACLES - ROOFTOP	1,000	2,096	
594	SITE LIGHTS (POLE MOUNTED) (LCP-10)	23	23	20/1	24	24	GAS WATER HEATER WH - #1 NOTE #3	500		1,596
376	LIGHTS - ECT. BLDG. MTC (LCP-10)	25	25	20/1	26	26	FE-1,2,3	500	424	
SPARE		27	27	20/1	28	28	RECEPTACLES - TOB	1,000		
SPARE		29	29	20/1	30	30	RECEPTACLES - TOB	1,000		
SPARE		31	31	20/1	32	32	EQ-45 HAND DRYER	1,454	1,454	
SPARE		33	33	20/1	34	34	EQ-40 HAND DRYER	1,454	1,454	
SPARE		35	35	20/1	36	36	LIGHTING CONTROL PANEL, LCP	500		500
SPACE		37	37	/1	38	38	SPACE	0	0	0
SPACE		39	39	/1	40	40	SPACE	0	0	0
SPACE		41	41	/1	42	42	SPACE	0	0	0
NOTES:										
ALUMINUM BUS							11,632	11,686	9,884	
EQUIP WITH SHUNT TRIP & INTERLOCK WITH HOOD & FIRE SYSTEM CONTROLS.							CONNECTED AMP'S, PER PHASE			
3. GFCI TYPE CKT. BREAKER							EQUIVALENT TOTAL VA'S (MAX # x 3)			
							MAX. # AMP'S			
							ESTIMATED DEMAND FACTOR			
							ESTIMATED VA'S			
							ESTIMATED MAX DEMAND & AMP'S			

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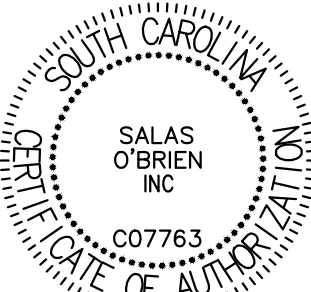


1 LIGHTING PLAN
E100 1/4" = 1'-0"



SHEET NOTES	
1	ALL LIGHT FIXTURES SHALL BE TYPE "LA" UNLESS NOTED OTHERWISE.
2	
3	
4	

REV	DATE	DESCRIPTION
A	04-20-26	ISSUED FOR APPROVAL



CORPORATE SEAL



PROFESSIONAL SEAL



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EASLEY, SC 29641
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FAX (864) 509-0703



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Greenville
8 W. McBee Avenue
Suite 203
Greenville, SC 29601

CONVENIENCE
STORE
104 GASTON DRIVE
REIDVILLE, SC
29375

LIGHTING
PLAN

DESIGNED:	wlw	
DRAWN:	wlw	
CHECKED:	WLW	
PROJECT No.	SOB 26067	
DATE	REV	SHEET
05-29-26	A	E100

1 POWER & SIGNAL PLAN
E100 1/4" = 1'-0"

SHEET NOTES	
1	"TDEB" SHALL BE 96"x36" TYP. WIDTH INDICATED ON PLAN FIRE RETARDANT PLYWOOD WITH BOTTOM 4" AFF.
2	STUB TWO 4" & THREE 1" EMPTY CONDUITS OUT UG TO ACCOMMODATE DATA & VOICE UTILITIES ENTRANCE.
3	VERIFY DIMENSIONS WITH ARCHITECT/OWNER JUST PRIOR TO INSTALLATION OF UG CONDUITS SERVING RECEPTACLES. ADJUST EXACT LOCATIONS PER THEIR DIRECTIONS.
4	MOUNT RECEPTACLE ABOVE WINDOW TO SERVE SHOW-WINDOW LIGHTING.
5	MOUNT RECEPTACLE FLUSH IN END OF CABINETRY.
6	

REV	DATE	DESCRIPTION
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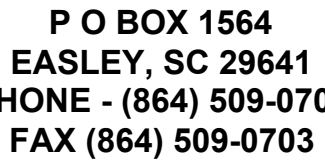
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STORE**
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REIDVILLE, SC
29375**

**POWER &
SIGNAL
PLAN**

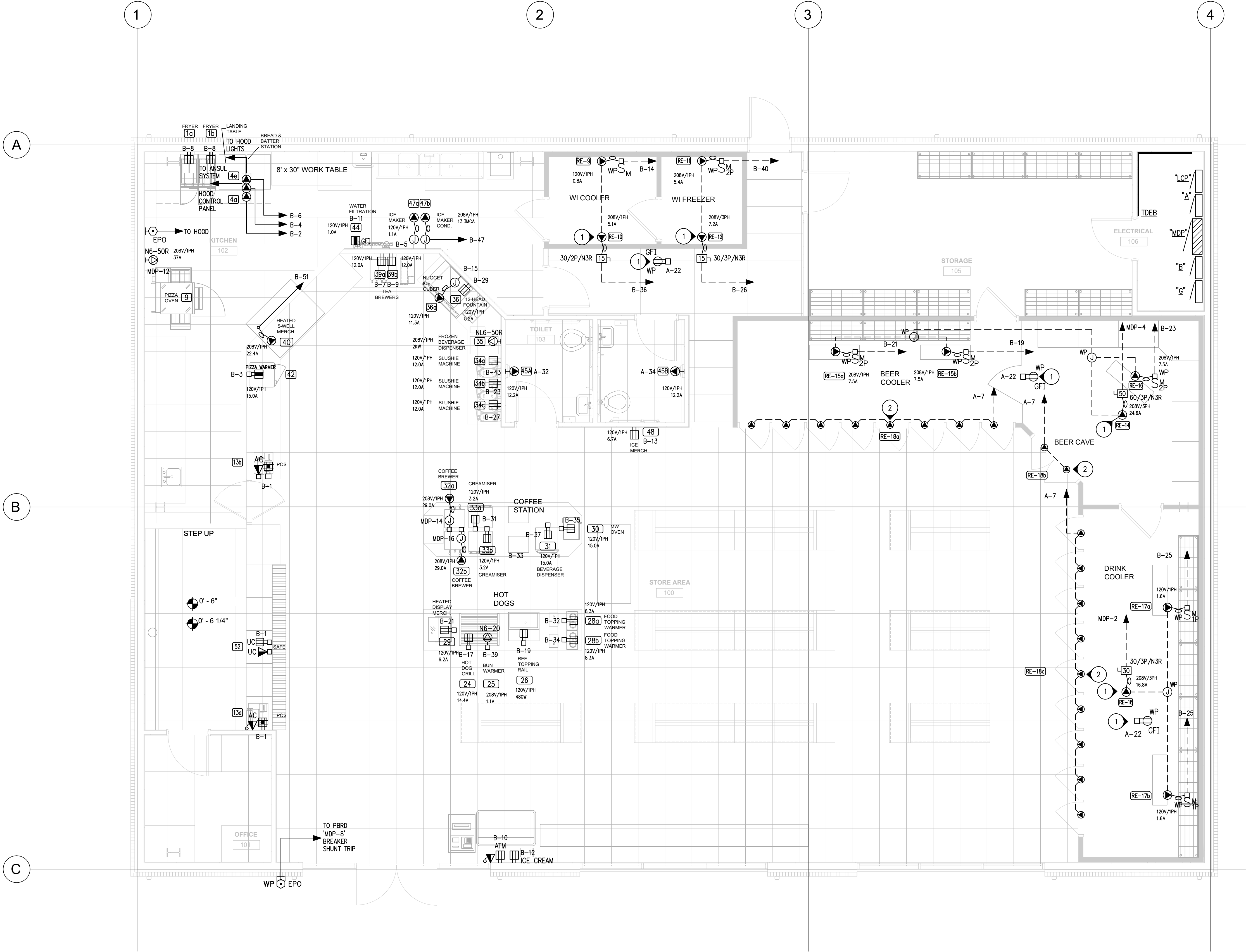
DESIGNED:	wlw	
DRAWN:	wlw	
CHECKED:	WLW	
PROJECT No.	SOB 26067	
DATE	REV	SHEET
05-29-26	A	E200

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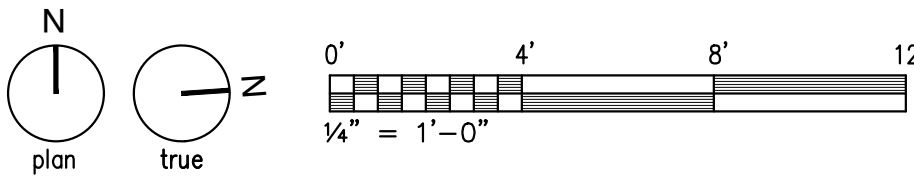
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STORE
104 GASTON DRIVE
REIDVILLE, SC
29375**

DESIGNED:	wlw	
DRAWN:	wlw	
CHECKED:	WLW	
PROJECT No.	SOB 26067	
DATE 05-29-26	REV A	SHEET E200

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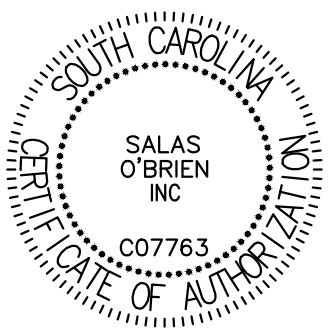


1 OWNER'S POWER PLAN
E300 1/4" = 1'-0"



SHEET NOTES	
1	EQUIPMENT LOCATED ON ROOF.
2	CONNECTION TO COOLER DOOR.
3	ALL ELECTRICAL PROVISIONS FOR OWNER'S EQUIPMENT IS APPROXIMATE. BEFORE INSTALLATION, CONSULT WITH OWNER'S EQUIPMENT SUPPLIER(S) TO DETERMINE EXACT CHARACTERISTICS, LOCATIONS, MOUNTING HEIGHTS, ETC. AND ADJUST ACCORDINGLY.
4	EMERGENCY POWER OFF PUSHBUTTON TO ACTIVATE ALL UNDERHOOD SHUNT TRIP BREAKERS.
5	
6	

REV	DATE	DESCRIPTION
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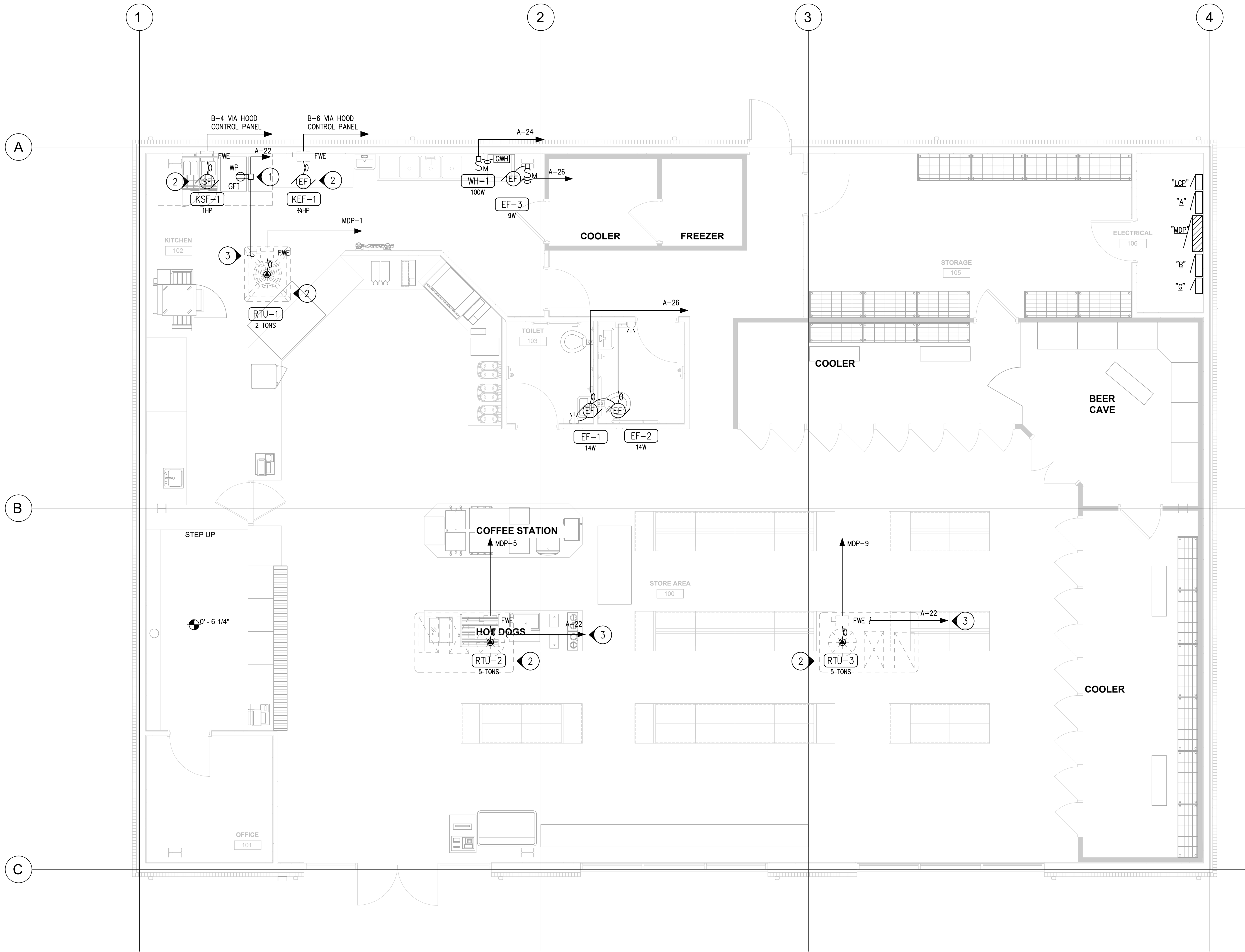
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**CONVENIENCE
STORE**
104 GASTON DRIVE
REIDVILLE, SC
29375

**OWNER'S POWER
PLAN**

DESIGNED:	w/w	
DRAWN:	w/w	
CHECKED:	WLW	
PROJECT No.	SOB 26067	
DATE	REV	SHEET
05-29-26	A	E300

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SHEET NOTES	
1	LOCATE RECEPTACLE ON ROOF ACCESSIBLE FOR HVAC EQUIPMENT MAINTENANCE.
2	EQUIPMENT LOCATED ON ROOF.
3	CONNECT TO RECEPTACLE CIRCUIT FURNISHED WITH EQUIPMENT.
4	REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
5	-
6	-
7	-
8	-

REV	DATE	DESCRIPTION
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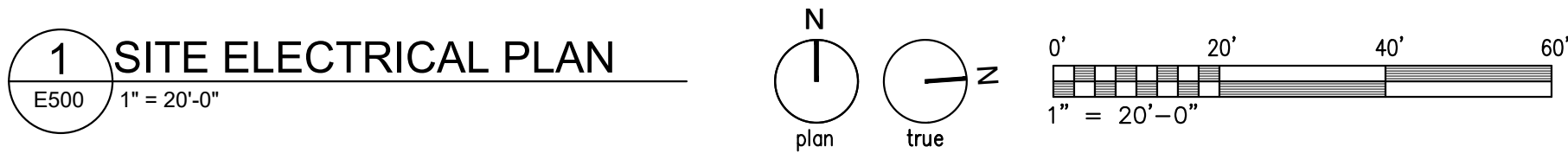
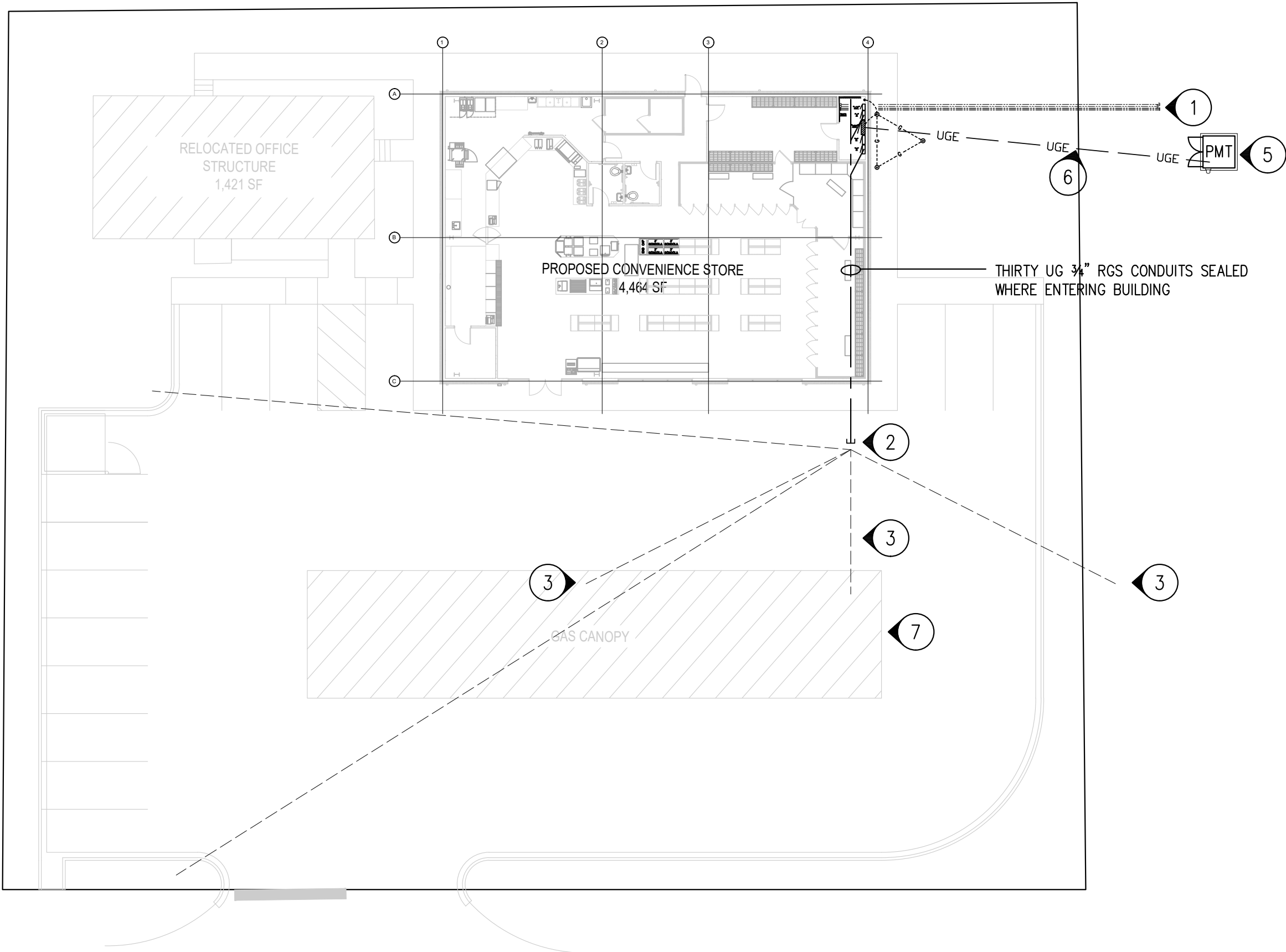
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**CONVENIENCE
STORE
104 GASTON DRIVE
REIDVILLE, SC
29375**

**POWER FOR
MECH EQUIPMENT
PLAN**

DESIGNED:	wlw
DRAWN:	wlw
CHECKED:	WLLW
PROJECT No.	SOB 26067
DATE	05-29-26
REV	A
SHEET	E400



SHEET NOTES		
1	STUB TWO 4" & THREE 1" EMPTY CONDUITS OUT UG ~75' FROM BUILDING EXTERIOR TO ACCOMMODATE DATA & VOICE UTILITIES ENTRANCE. COORDINATE WITH UTILITY COMPANIES.	
2	STUB THIRTY 3/4" EMPTY RGS CONDUITS OUT UG ~10' FROM BUILDING EXTERIOR TO ACCOMMODATE CABLING FURNISHED & INSTALLED BY FUELING EQUIPMENT CONTRACTOR. FIELD LOCATE NOTING A PORTION OF THESE CONDUITS MAY BE IN DIRECTIONS OTHER THAN THAT INDICATED.	
3	CIRCUITRY FURNISHED & INSTALLED BY FUELING EQUIPMENT CONTRACTOR.	
4	MINIMUM SITE CONDUIT SIZE SHALL BE 2". MINIMUM SITE CONDUCTOR SIZE SHALL BE #10AWG.	
5	DUKE ENERGY'S PAD MOUNTED TRANSFORMER WITH 120/208V, 3Ø SECONDARY ON CONCRETE PAD. COORDINATE LOCATION & INSTALLATION PROVISIONS REQUIRED OF CONTRACTOR. (ESTIMATED SIZE IS 150KVA.)	
6	UG SERVICE ENTRANCE SECONDARY CONDUCTORS.	
7	GAS CANOPY LIGHT FIXTURES WILL BE FURNISHED & INSTALLED BY CANOPY INSTALLER.	
8	SITE AREA & SIGN LIGHTING WILL BE PROVIDED UNDER OTHER CONTRACTS. PROVIDE LIGHTING CALCULATIONS FROM LIGHT FIXTURE MANUFACTURER(S) PROVIDING SITE ILLUMINATION LEVELS.	
9		
10		

REV	DATE	DESCRIPTION
A	04-20-26	ISSUED FOR APPROVAL

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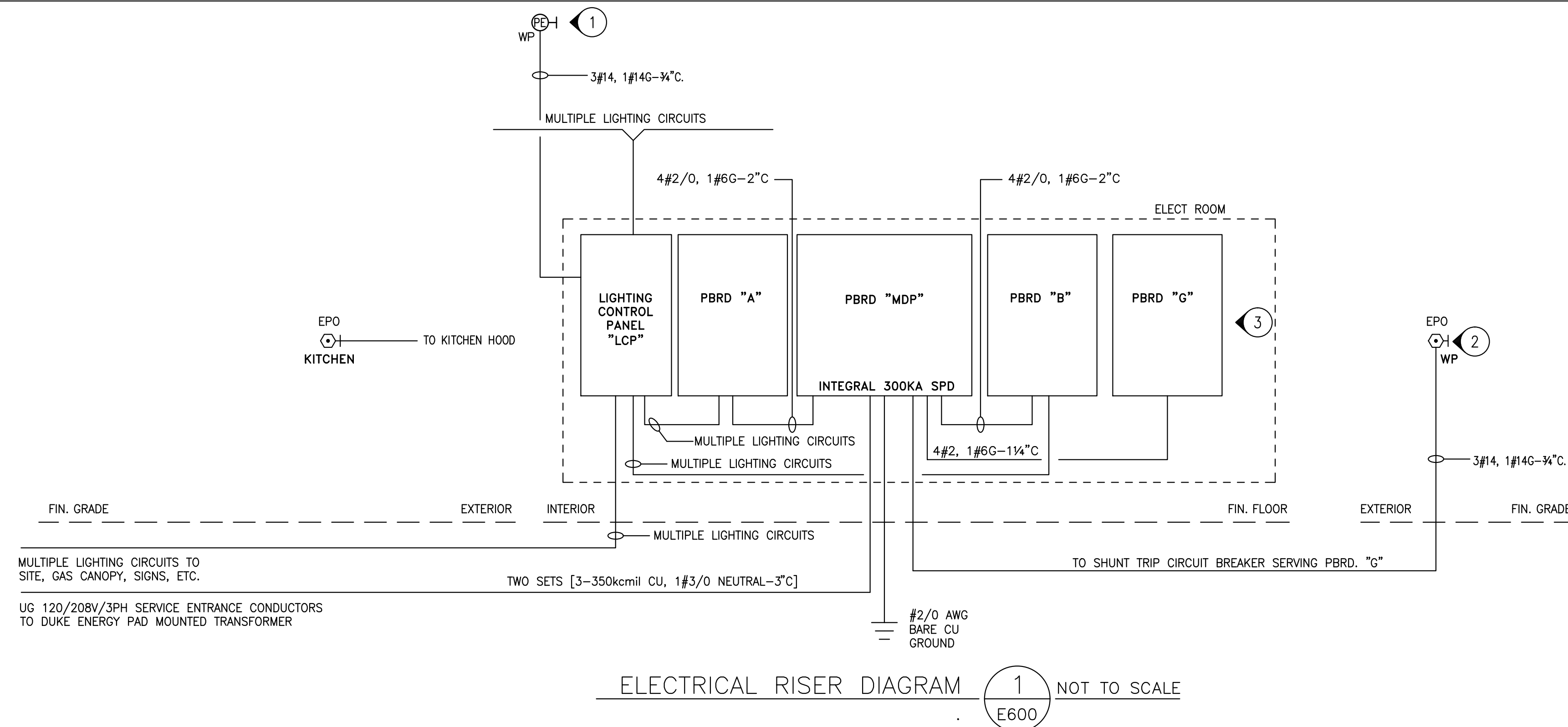
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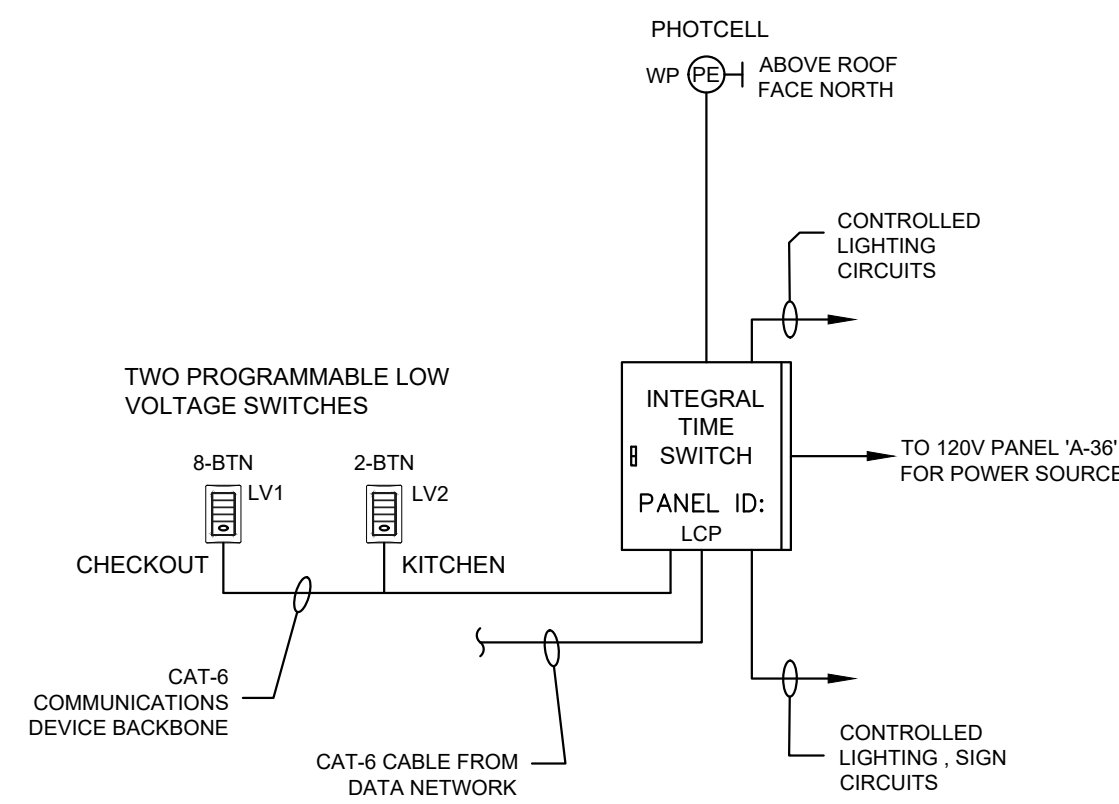
**ELECTRICAL
SITE PLAN**

DESIGNED:	wlw	
DRAWN:	wlw	
CHECKED:	WLLW	
PROJECT No.	SOB 26067	
DATE	REV	SHEET
05-29-26	A	E500



LIGHTING CONTROL PANEL "LCP" SCHEDULE					
RELAY	CONTROLLING DEVICE		CIRCUIT	LIGHT FIXTURES CONTROLLED	REMARKS
	PROGRAMMABLE SWITCHES	AUTOMATIC PFETS			
1	X		A-1	1/2 KITCHEN	
2	X		A-1	1/2 KITCHEN	
3	X		A-3	1/2 SALES	
4	X		A-3	1/2 SALES	
5	X		A-5	COOLER FRZ./COOL.	
6	X	X		SPARE	
7	X	X	A-19	EXTERIOR POLES	
8	X	X	A-21	EXTERIOR POLES	
9	X	X	A-23	EXTERIOR POLES	
10	X	X	A-25	EXTERIOR BUILDING MTD.	
11		X	A-9	GAS CANOPY LIGHTING	
12		X	A-11	GAS CANOPY LIGHTING	
13		X	A-13	BUILDING MOUNTED SIGNS	
14		X	A-15	SITE SIGN	
15		X	A-17	SITE SIGN	
16	X	X		SPARE	

1. "PE" = PHOTOELECTRIC CONTROLLER
2. "TS" = TIME SWITCH.



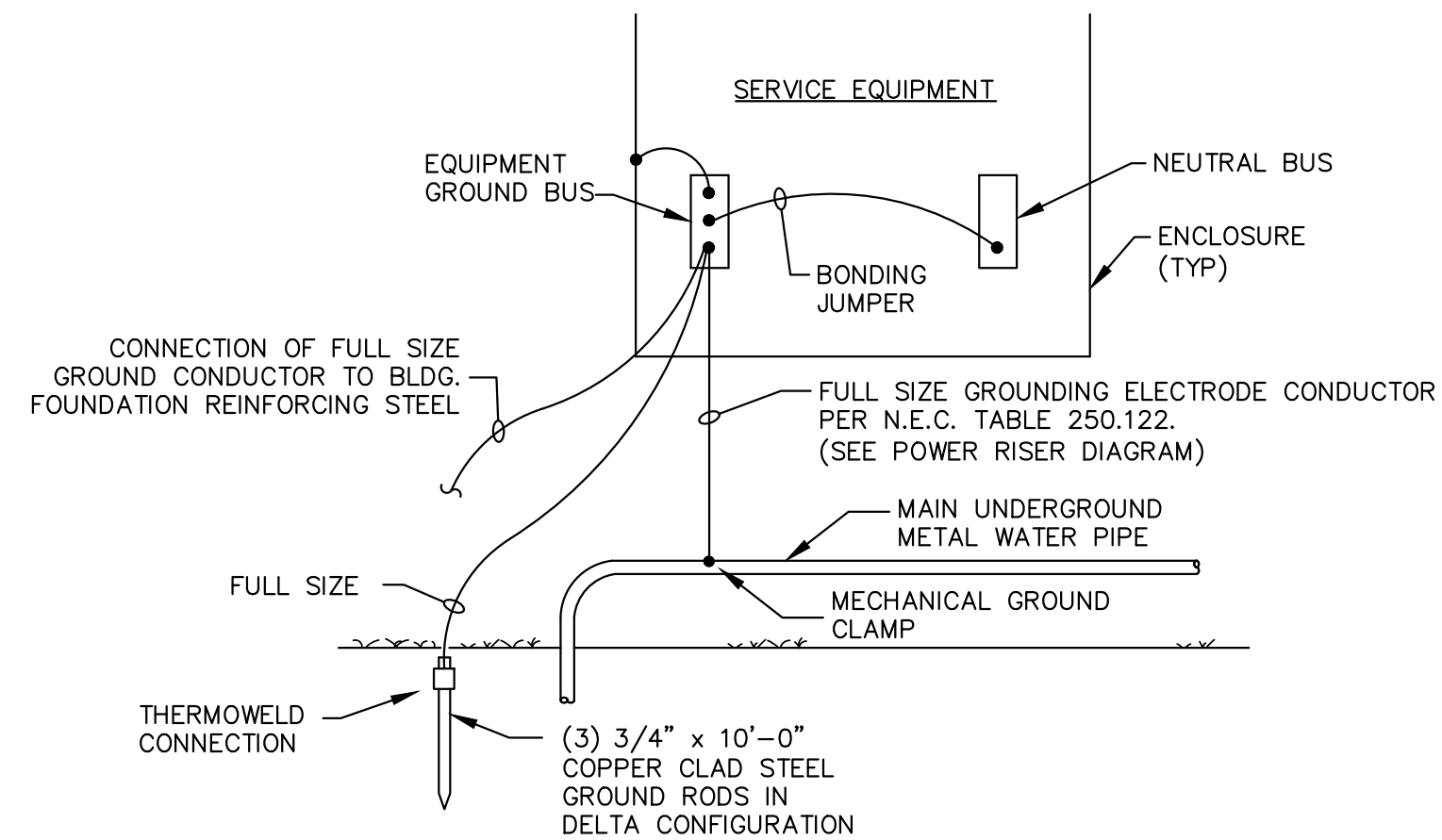
CONTROL PANEL RISER

LOW VOLTAGE SWITCH SCHEDULE:

8	BTN S	- BUTTON 1: LABEL - "KITCHEN"	FUNCTION - ON/OFF	(CONTROLS RELAY #1)
	LVI	- BUTTON 2: LABEL - "KITCHEN"	FUNCTION - ON/OFF	(CONTROLS RELAY #2)
		- BUTTON 3: LABEL - "SALES"	FUNCTION - ON/OFF	(CONTROLS RELAY #3)
		- BUTTON 4: LABEL - "SALES"	FUNCTION - ON/OFF	(CONTROLS RELAY #4)
		- BUTTON 5: LABEL - "COOLER/FREEZER"	FUNCTION - ON/OFF	(CONTROLS RELAY #5)
		- BUTTON 6: LABEL -	FUNCTION - ON/OFF	(CONTROLS RELAY #6)
		- BUTTON 7: LABEL - "EXTERIOR LIGHTS"	FUNCTION - ON/OFF	(CONTROLS RELAY #7,8,9,10)
		- BUTTON 8: LABEL - "ALL STORE INTERIOR LIGHTS"	FUNCTION - ON/OFF	(CONTROLS RELAYS #1, #2, #3, #4, #5)
2	BTN S	- BUTTON 1: LABEL - "KITCHEN"	FUNCTION - ON/OFF	(CONTROLS RELAY #1)
	V2	- BUTTON 2: LABEL - "KITCHEN"	FUNCTION - ON/OFF	(CONTROLS RELAY #2)

LIGHTING CONTROL SYSTEM NOTES:

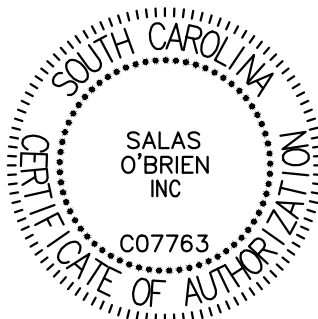
1. PROVIDE FACTORY ENGINEERED LIGHTING CONTROL SYSTEM. SUBMIT FACTORY PREPARED WIRING DIAGRAMS, MATERIAL LISTS, BILL OF MATERIAL, ETC. FOR APPROVAL.
2. LIGHTING CONTROL SYSTEM SHALL BE FULLY PROGRAMMABLE, INCLUDING NETWORK & WWW ACCESSIBILITY. MANUFACTURER SHALL PROVIDE ON-SITE TRAINING & PROGRAMING PER OWNER'S DESIRED OR REQUIRED FUNCTIONALITY. INCLUDE PROGRAMMING ASSISTANCE FOR ONE YEAR FROM SYSTEM ACCEPTANCE.
3. ALL SWITCHES SHALL HAVE ENGRAVED COVERPLATES TO DENOTE LIGHTING CONTROLLED & FUNCTIONALITY OF ALL BUTTONS.
4. LOW VOLTAGE CABLING SHALL BE AS RECOMMENDED BY MANUFACTURER OF SYSTEM BEING INSTALLED. CONDUIT SHALL BE SIZED IN ACCORDANCE WITH N.E.C.
5. ALL EMERGENCY & EGRESS LIGHTING SHALL BE FED FROM LINE SIDE OF RELAY.
6. EXTERIOR SIGNAGE SHALL BE CONTROLLED BY 'LCP' TIME SWITCH & 'PE' FUNCTIONS CONNECTED TO CONTROL RELAYS #12,13,14,15,16.



GROUNDING ELECTRODES (4) NOT TO SCALE
DETAIL E600

SHEET NOTES	
1	LOCATE PE CELL ABOVE ROOF FACING NORTH AVOIDING ARTIFICIAL LIGHT SOURCES.
2	LOCATE EMERGENCY POWER OFF (EPO) SWITCH NEAR FUEL DISPENSING CANOPY (25' MINIMUM DISTANCE, 100' MAXIMUM DISTANCE).
3	A SHORT CIRCUIT INTERRUPTING CAPACITY HAS BEEN ESTIMATED AND INDICATED ON ALL PANELBOARD SCHEDULES. A PORTION OF THE WORK OF THIS PROJECT SHALL BE TO CALCULATE THE ACTUAL AVAILABLE SHORT CIRCUIT CURRENT AFTER CONSULTING WITH THE LOCAL POWER UTILITY AND OBTAINING ACCURATE SHORT CIRCUIT DATA FOR THE FACILITIES ULTIMATELY INSTALLED. DOCUMENT AND SUBMIT CALCULATIONS FOR APPROVAL.
4	BECOME FAMILIAR WITH NEC ARTICLE 514 AND COMPLY WITH REQUIREMENTS. NOTE THAT ANY CONDUIT ENTERING THE ELECTRICAL ROOM FROM A CLASSIFIED AREA MUST BE SEALED.
5	
6	
7	

REV	DATE	DESCRIPTION
A	04-20-26	ISSUED FOR APPROVAL



CORPORATE SEAL



PROFESSIONAL SEAL



**P O BOX 1564
EASLEY, SC 29641
PHONE - (864) 509-0701
FAX (864) 509-0703**



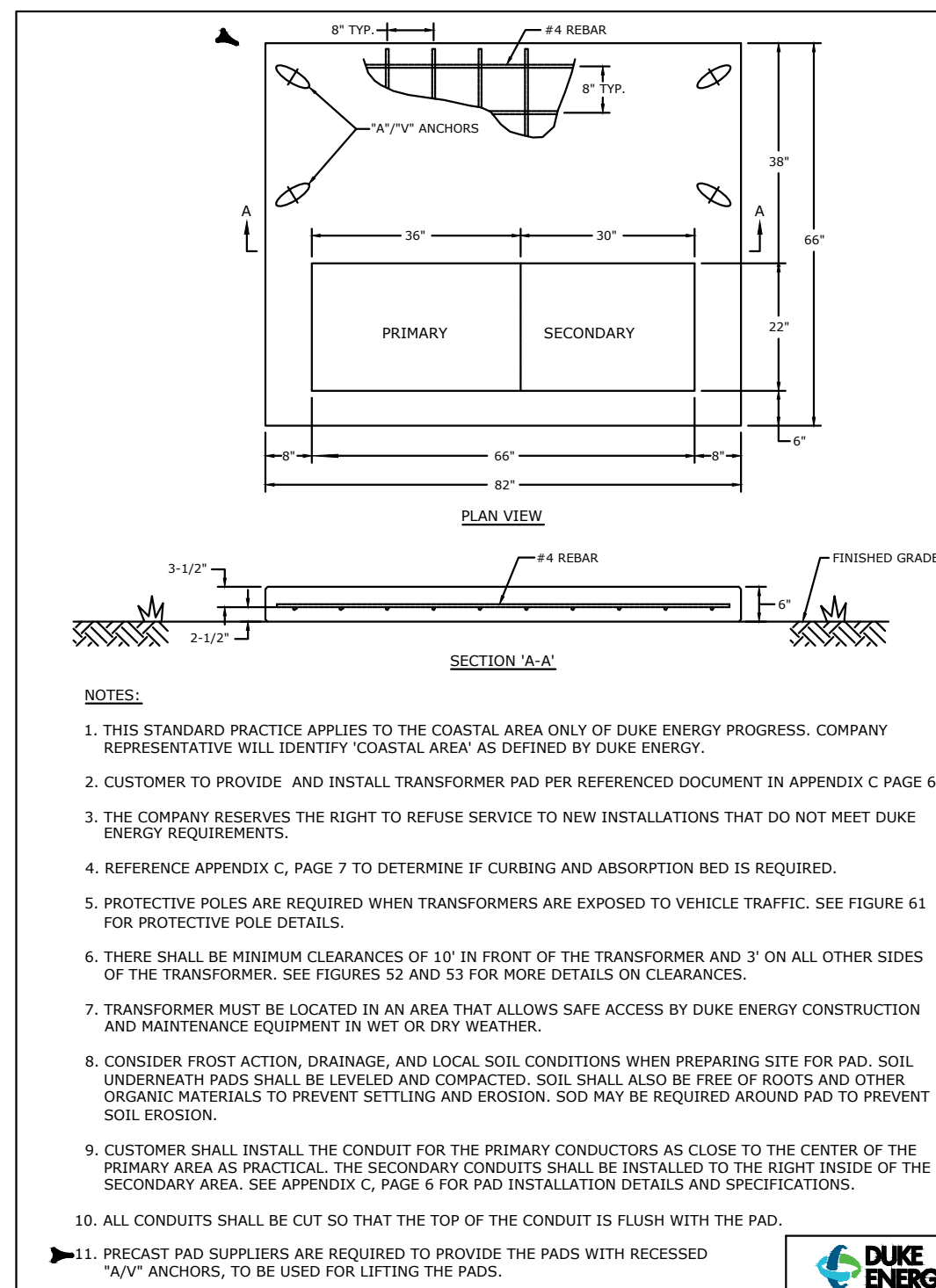
salasobrien.com (864) 370-9355

Greenville
8 W. McBee Avenue
Suite 203
Greenville, SC 29601

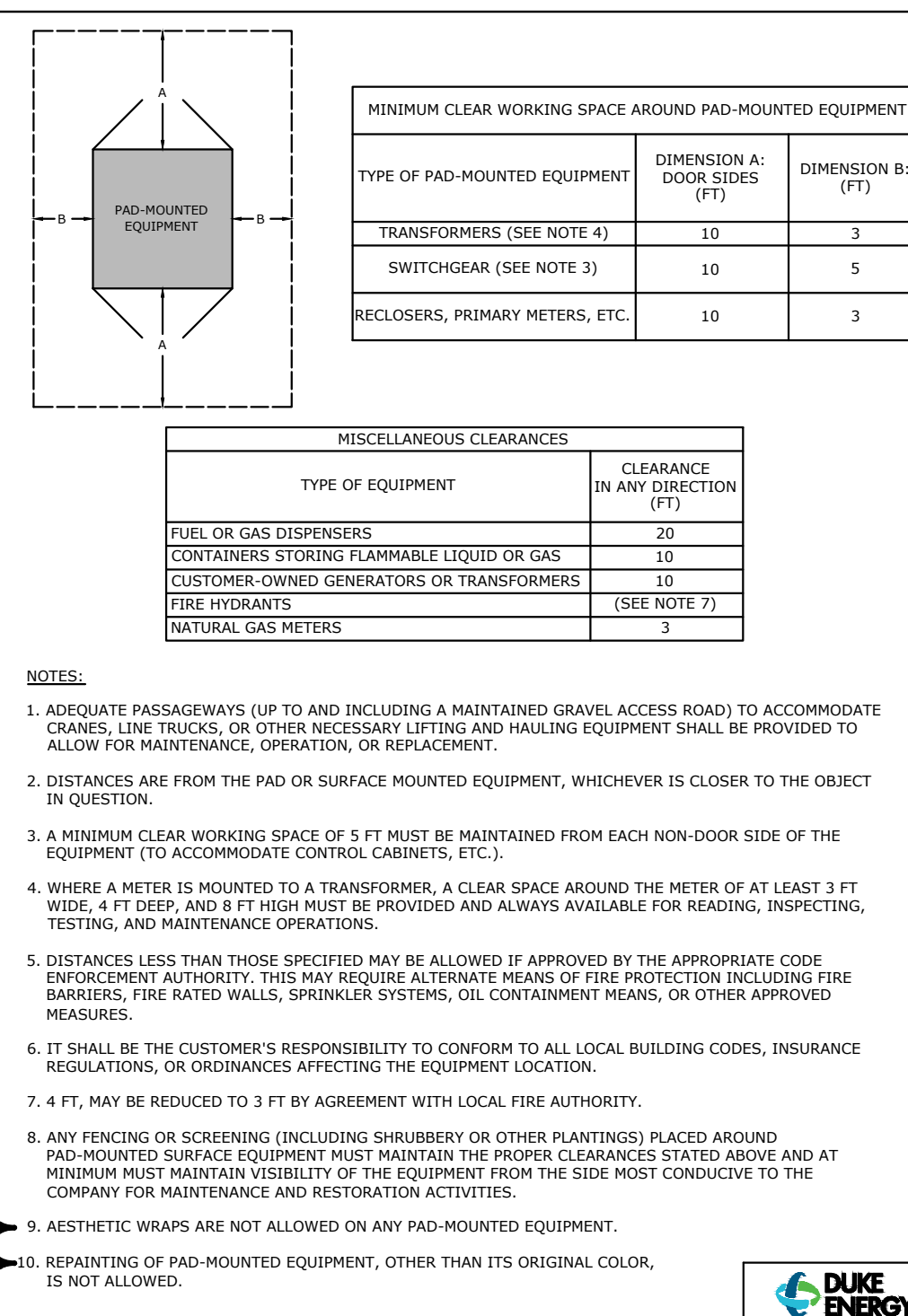
**CONVENIENCE
STORE
104 GASTON DRIVE
REIDVILLE, SC
29375**

ELECTRICAL 1-LINE & DETAILS

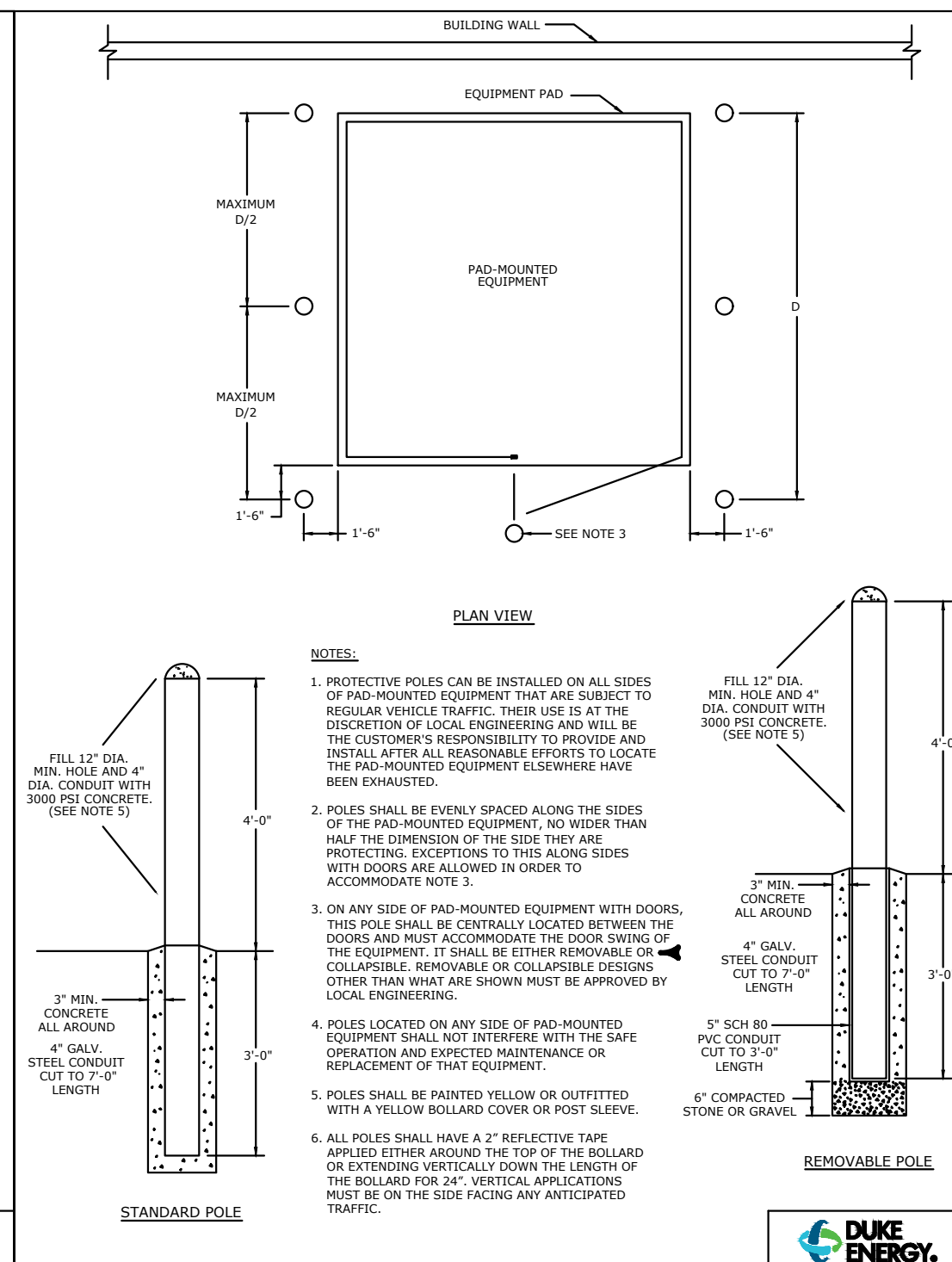
DESIGNED:	w/w	
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CHECKED:	WLW	
PROJECT No.	SOB 26067	
DATE 05-29-26	REV A	SHEET E600



SMALL FLAT PAD



PMT WORKING SPACE & CLEARANCES



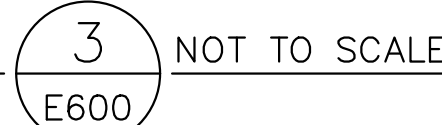
PROTECTIVE BOLLARDS FOR PMT

PROVISIONS FOR PAD MOUNTED TRANSFORMER

DETAILS

3 NOT TO SCALE

E600



DESIGNED:	w/w	
DRAWN:	w/w	
CHECKED:	WLW	
PROJECT No.	SOB 26067	
DATE 05-29-26	REV A	SHEET E600

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SECTION 18000 - ELECTRICAL SPECIFICATIONS

- 1.01 WORK INCLUDED
- A. THIS DIVISION OF THE SPECIFICATIONS (16000) COVERS THE COMPLETE INTERIOR AND EXTERIOR ELECTRICAL SYSTEM FOR ALL WORK SHOWN ON THE DRAWINGS AS SPECIFIED HEREIN PROVIDING ALL MATERIAL, LABOR AND EQUIPMENT REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL SYSTEMS COMPLETE AND IN OPERATING CONDITION.
- B. INCLUDE IN THE ELECTRICAL WORK ALL THE NECESSARY SUPERVISION AND THE ISSUING OF ALL COORDINATING INFORMATION TO ANY OTHER TRADES WHO ARE SUPPLYING WORK TO ACCOMMODATE THE ELECTRICAL INSTALLATIONS.
- C. THE DRAWINGS FOR ELECTRICAL WORK UTILIZE SYMBOLS AND SCHEMATIC DIAGRAMS WHICH HAVE NO DIMENSIONAL SIGNIFICANCE. THE WALL, CEILING, FLOOR, AND FURNITURE SHALL BE INSTALLED TO FULFILL THE DIAGRAMMATIC INTENT EXPRESSED ON THE ELECTRICAL DRAWINGS.
- D. REVIEW ARCHITECTURAL DRAWINGS FOR DOOR SWINGS, CABINETS, COUNTERS, MOLDINGS AND BUILT-IN EQUIPMENT, CONDITIONS INDICATED ON ARCHITECTURAL DRAWINGS SHALL GOVERN. PRIOR TO ROUGH-IN OF RECEPTACLES AND SYSTEMS OUTLETS, REFER TO ARCHITECTURAL CASEWORK DRAWINGS FOR ROUGH-IN COORDINATION.
- E. SUBMIT FOR APPROVAL BY THE ARCHITECT ALL MATERIALS AND EQUIPMENT TO BE INCORPORATED IN THE ELECTRICAL WORK.
- F. SUBMIT ONLY SHOP DRAWINGS WHICH COMPLY WITH THE CONTRACT DOCUMENTS.
- G. MARK EACH INDIVIDUAL SUBMITTAL ITEM TO SHOW SPECIFICATION SECTION WHICH PERTAINS TO THE ITEM.
- H. WHEN SHOP DRAWINGS ARE REVIEWED, SOME ERRORS MAY BE DETECTED BUT OTHERS MAY BE OVERLOOKED. THIS DOES NOT GRANT THE CONTRACTOR PERMISSION TO PROCEED IN ERROR. REGARDLESS OF ANY INFORMATION CONTAINED IN THE SHOP DRAWINGS, THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS SHALL BE FOLLOWED AND ARE NOT WAIVED OR SUPERSEDED IN ANY WAY BY THE SHOP DRAWING REVIEW.
- I. ONE COMPLETE SET OF ELECTRICAL DRAWINGS SHALL BE RESERVED FOR AS-BUILT DRAWINGS. ANY APPROVED DEVIATION FROM THE CONTRACT DRAWINGS SHALL BE RECORDED ON THESE DRAWINGS.
- J. COMPLETED AS-BUILT DRAWINGS SHALL BE PRESENTED TO THE ARCHITECT PRIOR TO FINAL INSPECTION.
- K. PROVIDE AT THE TIME OF FINAL INSPECTION THREE SETS OF MAINTENANCE AND OPERATING INSTRUCTION FOR LIGHTING AND POWER PANELBOARDS, FUSES, WIRING DEVICES.
- L. ALL ELECTRICAL WORK SHALL MEET OR EXCEED THE LATEST REQUIREMENTS OF THE FOLLOWING CODES AND/OR OTHER AUTHORITIES EXERCISING JURISDICTION OVER THE ELECTRICAL CONSTRUCTION WORK AND THE PROJECT:
- a. THE NATIONAL ELECTRICAL CODE (NFPA 70) - 2017 EDITION
 - b. THE NATIONAL ELECTRICAL SAFETY CODE (ANSI C2)
 - c. THE LIFE SAFETY CODE (NFPA 701) - 2016 EDITION
 - d. THE INTERNATIONAL BUILDING CODE - 2018 EDITION
 - e. REGULATIONS OF THE LOCAL UTILITY COMPANY WITH RESPECT TO METERING AND SERVICE ENTRANCE.
 - f. MUNICIPAL AND STATE ORDINANCES GOVERNING ELECTRICAL WORK.
- M. ALL REQUIRED PERMITS AND INSPECTION CERTIFICATES SHALL BE OBTAINED, AND MADE AVAILABLE AT THE COMPLETION OF THE WORK. PERMITS, INSPECTIONS, AND CERTIFICATION FEES SHALL BE PAID FOR AS A PART OF THE ELECTRICAL WORK.
- N. THIS CONTRACTOR SHALL SCHEDULE HIS WORK AND IN EVERY WAY POSSIBLE COOPERATE WITH ALL OTHER CONTRACTORS ON THE JOB TO AVOID DELAYS, INTERFERENCES, AND UNNECESSARY WORK. HE SHALL NOTIFY THEM OF ALL OPENINGS, HANGERS, EXCAVATIONS, ETC., SO THAT NECESSARY PROVISIONS SHALL BE MADE FOR HIS WORK.
- O. THIS CONTRACTOR SHALL DO ALL CUTTING AND EXCAVATING NECESSARY FOR THE COMPLETE INSTALLATION OF HIS WORK, BUT HE SHALL NOT CUT THE WORK OF ANY OTHER CONTRACTOR WITHOUT FIRST CONSULTING THE ARCHITECT. HE SHALL REPAIR ANY WORK DAMAGED BY HIM OR HIS WORKMEN, EMPLOYING THE SERVICES OF THE CONTRACTOR WHOSE WORK IS DAMAGED. SAW CUT EXISTING SLAB AS REQUIRED FOR ROUTING CONDUITS AND FLOOR BOXES NOTED TO BE INSTALLED IN EXISTING FLOORS. RESTORE TO ORIGINAL FINISH.

- P. RACEWAYS, FIXTURES, DEVICES, AND OTHER ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER AND IN ACCORDANCE WITH RECOGNIZED GOOD PRACTICE FOR A FIRST CLASS INSTALLATION.
- Q. THE ARCHITECT OR HIS REPRESENTATIVE SHALL HAVE THE AUTHORITY TO RECTIFY ANY WORKMANSHIP NOT COMPLYING WITH THE CONTRACT DOCUMENTS.
- R. THE ELECTRICAL CONTRACTOR SHALL PERSONALLY OR THROUGH AN AUTHORIZED LICENSED AND COMPETENT ELECTRICIAN, CONSTANTLY SUPERVISE THE WORK FROM BEGINNING TO COMPLETE AND FINAL INSPECTION.
- S. CONSULT OWNER AND UTILITY COMPANIES FOR UNDERGROUND LINES BEFORE ANY UNDERGROUND WORK IS STARTED. CONTRACTORS SHALL BE RESPONSIBLE FOR ANY DAMAGE.
- T. ALL EMPTY CONDUITS SHALL HAVE A PULL STRING INSTALLED. ALL FLUSH RECESSED BOXES SHALL HAVE BLANK PLATES INSTALLED.
- U. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION TO INSTALL CONDUIT STRUCTURES AND EQUIPMENT SPECIFIED IN THIS DIVISION OF THE SPECIFICATIONS.
- V. TRENCH EXCAVATION. THE BOTTOM OF THE TRENCHES SHALL BE GRADED TO PROVIDE UNIFORM BEARING AND SUPPORT FOR EACH SECTION OF THE CONDUIT ON UNDISTURBED SOIL AT EVERY POINT ALONG ITS ENTIRE LENGTH. OVER DEPTHS SHALL BE BACKFILLED WITH LOOSE, GRANULAR, MOIST EARTH, TAMPED. REMOVED UNSTABLE SOIL THAT IS NOT CAPABLE OF SUPPORTING THE CONDUIT AND REPLACE WITH SPECIFIED MATERIAL.
- W. BACKFILLING. THE TRENCHES SHALL BE BACKFILLED WITH THE EXCAVATED MATERIALS APPROVED FOR BACKFILLING, CONSISTING OF EARTH, LOAM, SANDY CLAY, AND GRAVEL, OR SIFT SHALE, FREE FROM LARGE CLODS OF EARTH OR STONES, DEPOSITED IN 4" LAYERS AND TAMPED UNTIL THE BACKFILL HAS A COVER OF NOT LESS THAN THE ADJACENT EXISTING GROUND BUT NOT GREATER THAN 2" ABOVE EXISTING GRADE.
- X. ALL EQUIPMENT REQUIRING ELECTRICAL POWER CONNECTIONS SHALL BE CONNECTED UNDER THIS DIVISION OF THESE SPECIFICATIONS.

- Y. ELECTRICAL CIRCUITS TO EQUIPMENT FURNISHED UNDER OTHER SECTIONS OF THESE SPECIFICATIONS ARE BASED ON DESIGN LOADS. IF ACTUAL EQUIPMENT FURNISHED HAS LOADS OTHER THAN DESIGN LOADS ELECTRICAL CIRCUITS AND PROTECTIVE DEVICES SHALL BE REVISED TO BE COMPATIBLE WITH EQUIPMENT FURNISHED AT NO ADDITIONAL COST TO THE OWNER. ANY REVISIONS MUST HAVE PRIOR APPROVAL BY THE ARCHITECT.
- Z. REMOVE OIL, DIRT, GREASE AND FOREIGN MATERIALS FROM ALL RACEWAYS, FITTINGS, BOXES, PANELBOARD TRIMS AND CABINETS TO PROVIDE A CLEAN SURFACE FOR PAINTING. TOUCH-UP SCRATCHED OR MARRED SURFACES OF LIGHTING FIXTURES, PANELBOARD AND CABINET TRIMS, MOTOR CONTROL CENTER, SWITCHBOARD OR EQUIPMENT ENCLOSURES WITH PAINT FURNISHED BY THE EQUIPMENT MANUFACTURERS SPECIFICALLY FOR THAT PURPOSE.

- AA. THE ELECTRICAL SERVICE FOR THIS PROJECT HAS BEEN COORDINATED BETWEEN THE ENGINEER AND THE UTILITY COMPANY. HOWEVER, BEFORE INSTALLING SERVICE CONDUIT, CONTRACTOR SHALL CONTACT UTILITY COMPANY AND VERIFY VOLTAGE, LOCATION AND TYPE OF SERVICE. PRIOR TO ROUGH-IN, COORDINATE AN ON-SITE MEETING WITH EACH UTILITY COMPANY TO REVIEW EXACT REQUIREMENTS. SUBMIT LETTER OF COORDINATION TO ENGINEER FOR REVIEW.
- AB. ALL SYSTEMS AND COMPONENT PARTS SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE COMPLETE PROJECT. DEFECTS FOUND DURING THIS GUARANTEED PERIOD SHALL BE PROMPTLY CORRECTED AT NO ADDITIONAL COST TO THE OWNER.

SECTION 16010 - PANELBOARDS

- A. PANELBOARDS AND ACCESSORIES SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER'S VENDOR FOR HANDLING, STORAGE AND INSTALLATION.
- B. COMPLETE PANELBOARD SHOP DRAWINGS SHALL BE OBTAINED FROM THE OWNER'S VENDOR AND SUBMITTED FOR APPROVAL.
- C. SEE PANELBOARD SCHEDULES FOR FRAME AND TRIP RATINGS. BREAKERS SHALL BE THERMAL MAGNETIC MOLDED CASE TYPE.
- D. CONNECTION TO BUS IN ALL PANELS SHALL BE BOLTED. ALL BREAKERS SHALL BE 20 AMPERE TRIP, UNLESS OTHERWISE SHOWN. ALL BREAKERS SHALL BE RATED FOR A MINIMUM SIC OF 25,000 A.
- E. A CIRCUIT DIRECTORY CARD SHALL BE PROVIDED ON THE INSIDE OF THE DOOR OF EACH PANELBOARD.
- F. ALL PANELS SHALL BE EQUIPPED WITH AN EQUIPMENT GROUNDING BAR. THE BAR SHALL HAVE LUGS OF SUFFICIENT SIZE TO ACCOMMODATE ALL GROUNDING CONDUCTORS.
- G. WIRING IN PANELBOARDS SHALL BE NEATLY GROUPED AND SECURED WITH TY-WRAPS.
- H. ELECTRICAL PANELS SHALL NOT BE USED AS WIREWAYS OR JUNCTION BOXES FOR CONTROL CONDUCTORS.

SECTION 16015 - FUSES

- A. ACCEPTABLE MANUFACTURERS ARE: BUSS, LITTELFUSE, GOULD - SHAWMUT
- B. ALL FUSES SHALL BE RATED 250 VOLTS WITH MINIMUM 100,000 AMPERE INTERRUPTING RATING AND SHALL BE SO LABELED. ALL FUSES PROVIDED SHALL BE FURNISHED BY THE SAME MANUFACTURER.
- C. CURRENT-LIMITING FUSES 601-6000 AMPERES. FUSES RATED OVER 800 AMPERES SHALL BE UL CLASS "I" FUSES, AND SHALL HAVE A MINIMUM TIME DELAY OF 10 SECONDS AT 80% RATING.
- D. CURRENT-LIMITING FUSES 600 AMPERES OR LESS. ALL FUSES 600 AMPERES AND BELOW SHALL BE TRUE DUAL-ELEMENT TIME DELAY FUSES WITH SEPARATE SPRING-LOADED THERMAL OVERLOAD ELEMENTS IN ALL AMPERE RATINGS. ALL AMPERE RATINGS SHALL BE DESIGNED AT 400 DEGREES FAHRENHEIT OR LESS, WHEN SUBJECTED TO A NON-LOAD OPEN TEST, TO ELIMINATE INDUCTION HEATING. ALL FUSE FERROUS AND END CAPS SHALL BE NON-FERROUS AND SHALL BE BRONZE OR ANOTHER ALLOY NOT SUBJECT TO STRESS CRACKING.

SECTION 16020 - RACEWAYS

- A. ACCEPTABLE MANUFACTURERS OF RIGID STEEL AND ELECTRICAL METALLIC TUBING CONDUIT ARE: ALLED TUBE AND CONDUIT CO., WHEATLAND TUBE CO., REPUBLIC CONDUIT.
- B. ACCEPTABLE MANUFACTURERS OF POLY(VINYL CHLORIDE (PVC) CONDUIT ARE: CERTANTINED, GEORGIA PIPE, CARLON, CAM-TEX

- C. ALL METALLIC CONDUIT AND ELECTRIC METALLIC TUBING SHALL BE STEEL, OF STANDARD PIPE DIMENSIONS, SMOOTH INSIDE AND OUT, AND SHALL BE GALVANIZED, WHERE THE WORD "CONDUIT" IS USED HEREINAFTER IT SHALL MEAN EITHER RIGID CONDUIT, CONDUIT, ELECTRIC METALLIC TUBING, FLEXIBLE STEEL CONDUIT, LIQUID TIGHT FLEXIBLE STEEL CONDUIT OR SCHEDULE 40 PLASTIC CONDUIT.
- D. GALVANIZED RIGID STEEL CONDUIT SHALL BE USED IN ALL AREAS WHERE IT WILL BE EXPOSED TO PHYSICAL DAMAGE. SCHEDULE 40 PLASTIC CONDUIT SHALL BE USED UNDERGROUND AND IN SLAB AND GROUPE. IN NO CASE SHALL PLASTIC CONDUIT BE EXPOSED, SWITCH TO RIGID STEEL CONDUIT WHEN TURNING UP EXPOSED. ALL OTHER CONDUIT, UNLESS OTHERWISE SPECIFIED OR NOTED ON THE DRAWINGS, SHALL BE GALVANIZED ELECTRIC METALLIC TUBING. ANY EXPOSED CONDUIT ON EXTERIOR OF THE BUILDING SHALL BE GALVANIZED RIGID STEEL ONLY.
- E. ALL CONDUIT SHALL BE CONCEALED IN BUILDING CONSTRUCTION EXCEPT AS NOTED OR SHOWN OTHERWISE. IN AREAS WITH NO FINISHED CEILING AND WHERE CONDUIT IS RUN EXPOSED ALL RUNS DOWN TO SWITCHES, RECEPTACLES, ETC. SHALL WHEN POSSIBLE BE CONCEALED IN WALL. IT IS THE INTENT OF THESE SPECIFICATIONS THAT ALL CONDUIT WILL BE CONCEALED WHENEVER POSSIBLE. WHERE OUTLETS ARE REQUIRED TO BE INSTALLED ON EXISTING WALLS IN A FINISHED SPACE, RACEWAY AND OUTLET BOX SHALL BE WIREMOLD SURFACE METAL RACEWAY.
- F. EMT FITTINGS SHALL BE COMPRESSION AND MADE OF STEEL. CONNECTORS AND COUPLINGS SHALL BE RAIN TIGHT AND SHALL HAVE A NYLON INSULATED THROAT. ALL FITTINGS SHALL BE UL LISTED, DIE CAST, AND IDENTIFY TYPE FITTINGS ARE NOT ACCEPTABLE. FITTINGS FOR FLEXIBLE STEEL CONDUITS AND LIQUID TIGHT FLEXIBLE CONDUIT SHALL BE STEEL AND HAVE NYLON INSULATED THROAT.
- G. CONDUIT AND EMT SYSTEMS INDICATED ON THE DRAWINGS FOR COMMUNICATION AND SIGNALING SYSTEMS ARE FOR TYPICAL SYSTEMS. INSTALL CONDUIT AND EMT SYSTEMS FOR THE SYSTEM BEING INSTALLED.
- H. GALVANIZED RIGID STEEL CONDUIT COUPLINGS AND CONNECTIONS:

- a. INSTALL STANDARD, CONDUIT-THREADED FITTINGS
- b. FOR CONNECTION TO SHEET METAL BOXES, CABINETS AND OTHER SHEET METAL ENCLOSURES, INSTALL LOCKNUTS ON THE INSIDE AND OUTSIDE OF THE ENCLOSURE FOR EACH CONNECTION. SEE SECTION 16110 OF THESE SPECIFICATIONS.

I. INSTALLATION OF PLASTIC CONDUIT:

- a. SHALL BE A MINIMUM OF 2" BELOW FINISHED GRADE WHEN NOT COVERED BY CONCRETE.
- b. SHALL HAVE PROPERLY SIZED BOND WIRE INSTALLED WITH ALL CIRCUITS.
- c. BENDS AND TURNS SHALL BE KEPT TO A 54 MINIMUM RADIUS.
- d. ALL CONDUIT AND FITTINGS SHALL BE SOLVENT WELDED.
- e. PLASTIC CONDUIT MAYBE TURNED UP CONCEALED IN MASONRY AND GYPSUM BOARD WALLS. PVC CONDUIT SHALL ALLOWED TO BE BOLTED CONCEALED IN WALLS TO A MAXIMUM HEIGHT OF 48" A.F.F.
- f. DO NOT INSTALL CONDUIT IN SLAB. ALL CONDUIT SHALL BE INSTALLED A MINIMUM OF 6" BELOW SLAB. CONDUITS SHALL NOT BE BUNCHED TOGETHER, MAINTAIN 1" CLEARANCE BETWEEN CONDUITS.
- g. ALL 90° ELBOWS USED FOR FEEDER CONDUITS ROUTED TO SERVICE TRANSFORMERS, MAIN SWITCHGEAR AND PANELBOARDS SHALL BE GALVANIZED RIGID STEEL. 90° PVC ELBOWS FOR FEEDER CONDUITS SHALL NOT BE SERVICED.

J. INSULATED BUSHINGS:

- a. INSTALL NYLON INSULATED BUSHINGS ON THE END OF ALL RIGID CONDUIT.
- b. THE INSULATING MATERIAL SHALL BE DESIGNED FOR RUGGED, LONG SERVICE.
- c. BUSHINGS WHICH CONSIST OF ONLY INSULATING MATERIAL WILL NOT BE ACCEPTED.
- d. FITTINGS WHICH INCORPORATE INSULATED BUSHINGS WILL BE CONSIDERED FOR APPROVAL IN LIEU OF FITTINGS WITH SEPARATE BUSHINGS.

- K. ALL COUPLINGS AND CONNECTIONS IN LOCATION WHERE WATER OR OTHER LIQUID OR VAPOR MIGHT CONTACT THE CONDUIT AND EMT SHALL ALSO BE WATER TIGHT.
- L. CLOSE EMPTY CONDUIT AND EMT AS COMPLETE RUNS BEFORE PULLING IN THE CABLES AND WIRES.

- M. INSTALL EXPOSED CONDUIT AND EMT PARALLEL TO, OR AT RIGHT ANGLES WITH THE LINES OF THE BUILDING. LOCATE THEM SO THEY WILL NOT OBSTRUCT HEADROOM OR WALKWAYS OR CAUSE TRIPPING.
- N. INSTALL CONDUIT OR EMT CLAMPS:

- a. AT INTERVALS AS REQUIRED BY THE NEC.
- b. WHERE METAL SUPPORTS MAY BE INSTALLED AS PERMITTED BY THE NEC, EXCEPT THAT CONDUIT CANNOT BE SUPPORTED OR SECURED TO THE T-BAR GRID OR FROM THE WIRE SUPPORTING THE T-BAR GRID.
- c. TRAPEZE, SPLIT RING, BAND OR CLEVIS HANGER MAY BE INSTALLED AS PERMITTED BY THE NEC. TRAPEZE HANGERS SHALL BE STRUCTURAL METAL CHANNELS, ANGLE IRONS OR PREFORMED METAL CHANNEL SHAPES WITH THE CONDUIT AND EMT CLAMPED TOGETHER BY BOLTS, CLIPS OR CLAMPS. DO NOT SUPPORT CONDUIT FROM CEILING SUSPENSION WIRE OR FROM OTHER CONDUIT.
- d. CHAIN, WIRE OR PERFORATED STRAP SUPPORTS WILL NOT BE ACCEPTABLE. NOR ARE THEY ACCEPTABLE AS A MEANS OF SECURING THE CONDUIT.

- O. TELEPHONE CONDUITS. WHERE TELEPHONE CONDUIT RUNS ARE LONGER THAN 100' 0" OR MORE THAN TWO 90° BENDS (OR EQUIVALENT) OR HAVE A REVERSE BEND, PULL BOXES SHALL BE PROVIDED.
- P. DO NOT INSTALL CONDUIT IN CAVITY BETWEEN CONCRETE BLOCK AND BRICK. CONDUIT SHALL NOT BE STUBBED UP INTO THIS CAVITY OR ROUTED HORIZONTALLY IN CAVITY.

SECTION 16030 - CONDUCTORS

- A. ACCEPTABLE MANUFACTURERS ARE: GENERAL, SOUTHWIRE, ESSEX OR APPROVED EQUAL.
- B. ALL WIRING SHALL BE MANUFACTURED IN THE UNITED STATES.
- C. RATINGS AND SIZES:
- a. SHALL BE NOT LESS THAN INDICATED ON THE DRAWINGS AND NOT LESS THAN REQUIRED BY THE NEC.
 - b. MINIMUM SIZE SHALL BE NO. 12 AWG COPPER.
 - c. CONDUCTOR SIZES INDICATED ON THE DRAWINGS ARE FOR COPPER CONDUCTORS.
- D. CONDUCTORS AND GROUND WIRES:
- a. SHALL BE COPPER.
 - b. SIZE NO. 8 AWG AND LARGER SHALL BE STRANDED.
 - c. SIZE NO. 10 AWG AND SMALLER MAY BE SOLID.
- E. CONDUCTOR INSULATION: CONDUCTOR INSULATION SHALL BE THE NEC TYPE THHN.
- F. WIRE SHALL BE FACTORY COLOR CODED IN SIZE NO. 6 AND SMALLER. COLOR SHALL BE BY INTEGRAL PIGMENTATION WITH A SEPARATE COLOR FOR EACH PHASE, NEUTRAL AND GROUNDING CONDUCTOR. COLOR CODE PER PHASE SHALL BE CONTINUOUS THROUGHOUT THE PROJECT.
- G. ALL WIRING SHALL BE IN CONDUIT UNLESS SPECIFICALLY NOTED OTHERWISE.
- H. OUTER JACKET SHALL BE COLOR CODED AS FOLLOWS:

- 1. THREE PHASE OR SINGLE PHASE CIRCUITS, 120/208 VOLTS:
 - a. PHASE A - BLACK
 - b. PHASE B - RED
 - c. PHASE C - BLUE
 - d. NEUTRAL - WHITE
 - e. INSULATED GROUND WIRE - GREEN
 - f. 120/240V, WHITE WITH RED TRACER, WHITE WITH BLUE TRACER, WHITE WITH BLACK TRACER.
- 2. ONLY FOR LARGE POWER CABLES AND WIRES WHICH DO NOT HAVE COLOR CODED JACKETS: NO. 6 AND LARGER INSTALL BANDS OF ADHESIVE NON-FADING COLORED TAPE OR SLIP-ON BANDS OF COLORED PLASTIC TUBING OVER THE CABLES AND WIRES AT THEIR ORIGINATING AND TERMINATIONS POINTS AND AT ALL OUTLETS OF JUNCTION BOXES.
- 3. COLOR SHALL BE PERMANENT AND SHALL WITHSTAND CLEANINGS.

SECTION 16035 - METAL CLAD CABLE (TYPE MC) AND FITTINGS

- A. ACCEPTABLE MANUFACTURERS ARE: SOUTHWIRE, AFC, NEXANS ENERGY
- B. ALL WIRING SHALL BE MANUFACTURED IN THE UNITED STATES.
- C. METAL-CLAD CABLE SHALL CONSIST OF THHN INSULATED SOLID COPPER CIRCUIT CONDUCTORS, AN INSULATED SOLID COPPER EQUIPMENT GROUNDING CONDUCTOR, A MYLAR WRAPPING AROUND THE CONDUCTOR BUNDLE, AND A CLOSE FITTING ALUMINUM OR GALVANIZED STEEL OUTER SHEATH. THE EQUIPMENT GROUND WIRE SHALL BE OF THE SAME CONSTRUCTION AND BE THE SAME SIZE AS THE CURRENT CARRYING CONDUCTORS, BARE ALUMINUM GROUNDING CONDUCTOR ARE NOT ACCEPTABLE. THE INSULATION COLOR SHALL BE GREEN.
- D. PROVIDE MINIMUM 12 AWG CONDUCTORS IN TYPE MC CABLES.
- E. PROVIDE MC CABLES WITH THE SAME CONDUIT COLOR CODING AS SPECIFIED IN SPECIFICATION SECTION 16030 - CONDUCTORS.
- F. CONNECTORS SHALL BE STEEL SET SCREW TYPE WITH INSULATED THROAT AND LOCKNUT FOR NON-JACKETED METAL CLAD CABLE. COMPRESSION GLAND TYPE CONNECTORS SHALL BE USED FOR JACKETED METAL CLAD CABLE.
- G. METAL CLAD CABLE SHALL BE UTILIZED FOR 15 AND 20 AMPERE BRANCH CIRCUIT WIRING BEYOND THE FIRST OUTLET OR JUNCTION BOX. CONDUIT SHALL BE UTILIZED FOR THE HOMERUN FROM THE FIRST OUTLET OR JUNCTION BOX TO THE BRANCH CIRCUIT PANELBOARD.
- H. METAL CLAD CABLE SHALL BE UTILIZED IN INTERIOR, DRY LOCATIONS WHERE THEY WILL BE CONCEALED ABOVE CEILINGS, IN DRY-WALL PARTITIONS, IN EQUIPMENT ENCLOSURES, OR BELOW RAISED FLOORS.
- I. METAL CLAD CABLE SHALL BE SECURELY FASTENED IN PLACE AT INTERVALS OF NOT MORE THAN SIX FEET, WITH SUITABLE CLAMPS OR FASTENERS OF APPROVED TYPE, AND ALL VERTICAL CONDUITS SHALL BE PROPERLY SUPPORTED TO PRESENT A MECHANICALLY RIGID AND SECURE INSTALLATION.
- J. METAL CLAD CABLE SHALL BE SUPPORTED IMMEDIATELY ON EACH SIDE OF A BEND AND NOT MORE THAN ONE (1) FOOT FROM AN ENCLOSURE WHERE A RUN OF METAL CLAD CABLE ENDS. BENDS SHALL BE MADE SO THAT THE CABLE WILL NOT BE DAMAGED.

SECTION 16040 - OUTLETS

- A. BOXES SHALL BE GALVANIZED PRESSED SHEET STEEL FOR ALL CONCEALED WORK.
- B. WHERE CONDUIT TYPES ARE EXPOSED, OUTLET SHALL BE OF THE CAST METAL TYPE.
- C. FOR CONCEALED WORK EACH BOX SHALL BE PROVIDED WITH A SQUARE CORNERED PLASTER RING.
- D. EACH SURFACE LIGHTING FIXTURE, RECEPTACLE AND SWITCH SHALL BE PROVIDED WITH FLUSH MOUNTED OUTLET BOX. ALL OUTLETS INSTALLED IN PANELS AND OTHER ARCHITECTURAL FEATURES SHALL BE CENTERED. THE LOCATION OF ANY OUTLET MAY BE MOVED AS MUCH AS 10" 0" BY THE ARCHITECT BEFORE THE OUTLET IS PLACED WITHOUT INCURRING ANY EXTRA COST. ALL DIMENSIONS GIVEN TO THE FINISHED WALL. OUTLET BOXES SHALL BE PRESSED SHEET STEEL AND SHALL BE GALVANIZED FOR ALL CONCEALED WORK. WHERE CONDUIT RUNS ARE EXPOSED OUTLETS SHALL BE OF THE CAST METAL TYPE.

- E. BOXES SHALL BE FOR THE SERVICE AND THE TYPE OF OUTLET AND SHALL NOT BE LESS THAN 4" SQUARE AND 1-1/2" DEEP EXCEPT WHERE OTHERWISE SPECIFIED. BOXES INSTALLED IN WALLS SHALL BE PROVIDED WITH A SQUARE CORNERED 1-1/2" PLASTER RING INSTALLED FLUSH WITH SURFACE OF WALL. COORDINATE DEPTH OF PLASTER RING REQUIRED FOR PARTICULAR WALL CONSTRUCTION. EACH OUTLET BOX ABOVE CEILING SHALL BE SUPPORTED FROM A STRUCTURAL MEMBER OF THE BUILDING OR DIRECTLY OR BY USING A SUBSTANTIAL AND APPROVED METAL SUPPORT. CONDUIT IS NOT AN APPROVED MEANS OF SUPPORT. BOXES INSTALLED IN WALL SHALL BE PROVIDED EITHER DIRECTLY TO A STUD OR BETWEEN STUDS UTILZING AN APPROVED BAR HANGER. IN NO CASE SHALL SWITCH BOX SUPPORT AND CLIPS USED FOR MOUNTING BOXES IN CLO WORK BE USED UNLESS SPECIFICALLY CALLED FOR. TOP OF OUTLET BOX SHALL BE LEVEL.
- F. ALL CEILING OR WALL RECESSED OUTLET BOXES OR THEIR ASSOCIATED PLASTER RINGS SHALL BE FLUSH WITH THE FINISHED SURFACE. USING COVERPLATE TO SECURE WIRING DEVICES OR SHIMMING THE DEVICE IS NOT ACCEPTABLE. CONTRACTOR SHALL EXERCISE DUE CARE WHEN CUTTING OPENINGS IN WALLS OR CEILINGS FOR OUTLET BOXES SO THAT OPENING SIZE WILL PERMIT THE PROPER INSTALLATION OF BOXES AND DEVICES. FIXTURES IN WALLS AND CORNERED OUTLETS SHALL BE BOLTED WITH STOVE BOLTS OR SHALL BE LOCKING TYPE OF STUD MOUNTING.
- G. REMOVE ONLY KNOCKOUTS AS REQUIRED AND PUGH UNLINED OPENINGS. USE THREADED PLUGS FOR CAST METAL BOXES AND SNAP-IN METAL COVERS FOR SHEET METAL BOXES.
- H. THERE SHALL BE NO OUTLETS INSTALLED BACK TO BACK. A MINIMUM OF 1/4" SPACE SEPARATE EACH OUTLET.
- I. WHERE THE VOLUME ALLOWED PER CONDUCTOR EXCEEDS THAT ALLOWED IN TABLE 314.16(B) OF THE NEC FOR THE MINIMUM SIZE OUTLET SPECIFIED, A LARGER SIZE OUTLET BOX SHALL BE USED AND SHALL BE SIZED IN ACCORDANCE WITH THE TABLE NOTED ABOVE.
- J. OUTLET BOXES SHALL BE CLEAN AND FREE FROM DUST, PAINT, DIRT, PLASTER READY MIX JOINT COMPOUND AND/OR ANY OTHER DEBRIS.
- K. ALL JUNCTION BOX COVER PLATES SHALL BE LABELED IDENTIFYING THE SYSTEM IT CONTAINS. THE LABEL SHALL BE NEATLY HAND WRITTEN WITH A WIDE TYPE PERMANENT NON-REMOVABLE MARKER AND BE EASILY IDENTIFIED.
- L. ALL JUNCTION BOXES CONTAINING HIGH VOLTAGE WIRING SHALL INCLUDE PANEL AND CIRCUIT DESIGNATION (EX. H - 13.5 OR L - 24.6). JUNCTION BOXES UTILIZED FOR LOW VOLTAGE SYSTEM SHALL BE LABELED IN ACCORDANCE WITH THE SYSTEM (EX. FA FOR FIRE ALARM SYSTEM).

SECTION 16090 - WIRING DEVICES AND DEVICE PLATE

- A. FOR THE PURPOSE OF SELECTING QUALITY AND TYPE OF DEVICE, EQUIPMENT MANUFACTURED BY HUBBELL HAS BEEN SPECIFIED. THE FOLLOWING MANUFACTURERS MEETING THIS SPECIFICATION ARE ACCEPTABLE: PASS AND SEYMOUR, COOPER, LEVITON
- B. SWITCHES: ALL WALL SWITCHES SHALL BE RATED 20 AMPERE, 120/207 VOLTS, HAVE SELF GROUNDING PROVISIONS, SIDE WIRING ONLY AND SHALL BE OF THE SILENT TYPE. COLOR SHALL BE IVORY.
- a. SINGLE POLE: HBL 1221
 - b. THREE WAY: HBL 1223
 - c. FOUR WAY: HBL 1224
- C. RECEPTACLE: ALL RECEPTACLES SHALL BE OF THE GROUNDING TYPE, OF THE CONFIGURATION SHOWN ON THE DRAWINGS AND SHALL BE FLUSH WALL MOUNTING TYPE. COLOR SHALL BE IVORY.
- a. STANDARD DUPLEX RECEPTACLE. 20 AMPERE, 125 VOLT, NEMA TYPE S-20 R, 2 POLE, 3 WIRE, STRAIGHT BLADE, UNGROUNDING SLOT, HOSPITAL GRADE, HBL 5362
 - b. GROUND FAULT INTERRUPTER RECEPTACLE, 20 AMPERE, 125 VOLTS, NEMA TYPE S-20 R, 2-POLE, 3-WIRE WITH GROUNDED U, 20, OF 5262
- D. DEVICE PLATES: PLATES SHALL BE FURNISHED FOR ALL DEVICES AND OUTLETS INDICATED ON THE DRAWINGS (TELEPHONE, COMPUTER, TV, ETC.). ALL PLATES ON MASONRY WALLS SHALL BE OVERSIZED JUMBO TYPE.
- E. PLATES FOR FLUSH MOUNTED DEVICES: BEVELED TYPE WITH SMOOTH ROLLED OUTER EDGE, PLASTIC NYLON CONSTRUCTION TO MATCH DEVICE COLOR.
- F. SURFACE CASE PLATES, BEVELED, GALVANIZED STEEL, PRESSURE FORMED FOR SMOOTH EDGE TO FIT BOX.
- G. DIE CAST WATERPROOF COVER. LOCKABLE HASP VENTILATED MOUNTING, INTERMATIC AWP1010MC.
- H. SWITCHES:
- a. SWITCHES SHALL BE CONNECTED TO THE LIVE SIDE OF THE CIRCUIT AND SHALL CONTROL ONLY THE OUTLETS INDICATED.
 - b. SWITCHES SHALL BE LOOED AROUND THE TERMINAL SCREW.
 - c. WHERE MORE THAN ONE SWITCH IS INDICATED IN THE SAME LOCATION SWITCHES SHALL BE GANG MOUNTED UNDER A COMMON PLATE.
 - d. CENTER LINE OF SWITCHES IN GENERAL, SHALL BE SET 3/4" ABOVE THE FLOOR (OFF POSITION DOWN) AND SHALL CLEAR THE DOOR TRIM OR CORNER BY 4" OR CENTER THE SPACE OCCUPIED.
 - e. PLATES SHALL NOT BE USED TO COVER OR REPLACE SWITCHES SO THEY WILL IN EVERY CASE BE LOCATED ON THE STRIKE SIDE OF THE DOOR AND CLEAR DOOR, CHAIR, WINDOW, AND BASEBOARD MOLDINGS.
 - f. SWITCHES SHALL BE SCREWED TIGHT TO THE BOXES AND SHALL NOT DEPEND ON THE COVER PLATE TO PULL THEM TIGHT.
- I. RECEPTACLES:

- a. CONDUCTORS SHALL BE LOOPEL AROUND THE TERMINAL SCREWS, "DO NOT BACK WIRE DEVICES"
- b. RECEPTACLES SHALL BE GROUND BY THE GREEN WIRE BOND AND SHALL BE INSTALLED AS SHOWN ON THE DRAWINGS.
- c. RECEPTACLES SHALL BE SCREWED TIGHT TO THE PLASTER RING OR OUTLET BOX AND SHALL NOT DEPEND ON THE DEVICE PLATE TO PULL THEM TIGHT.
- d. CENTER LINE OF GENERAL USE RECEPTACLES SHALL BE IN GENERAL, SET 18" ABOVE THE FLOOR WITH RECEPTACLE MOUNTED IN THE VERTICAL POSITION AND WITH GROUNDING POLE AT THE BOTTOM.
- e. COORDINATE RECEPTACLE HEIGHT WITH ARCHITECTURAL DRAWINGS AND LOCATE SO THAT BOTTOM OF RECEPTACLE PLATE SHALL BE 1" ABOVE COUNTER OR BACK SPLASH AND CLEAR ALL MOLDINGS.
- f. CENTER LINE OF RECEPTACLES LOCATED ADJACENT TO LAVATORIES IN TOILETS SHALL BE SET 3/4" ABOVE FLOOR.
- g. RECEPTACLES SERVING WATER COOLERS SHALL BE LOCATED WITH COOLER HOUSING AS OR CLOSE TO BOTTOM OF HOUSING AS POSSIBLE. CORD SERVING UNIT SHALL BE AS SHORT AS POSSIBLE. IN NO CASE SHALL CORD OR RECEPTACLE BE SEEN FROM NORMAL VIEWING ANGLE.
- h. ALL RECEPTACLES INSTALLED IN BATHROOMS OR TOILETS OR WITHIN 6 FEET OF LAVATORIES OR SINKS, OR ANY RECEPTACLE LOCATED ON BUILDING EXTERIOR SHALL BE GROUND FAULT CIRCUIT INTERRUPTER TYPE.
- i. ALL RECEPTACLES INSTALLED IN KITCHENS OR OUTDOORS SHALL BE GFCI TYPE.

J. PLATES:

- a. PLATES SHALL BE LEVEL AND ALL EDGES SHALL BE IN FULL CONTACT WITH WALL.
- b. PLATES SHALL BE FURNISHED FOR ALL DEVICES AND OTHER OUTLETS INDICATED ON THE DRAWINGS.
- c. INSTALL PLATES ON OUTLET BOXES AND JUNCTION BOXES IN UNFINISHED AREAS ABOVE CEILINGS AND ON SURFACE MOUNTED OUTLETS.
- d. PLATES SHALL NOT BE USED TO KEEP DEVICES SECURE.
- e. PLATES SHALL BE CLEAN AND FREE FROM DUST, PLASTER OR PAINT AND SPOTS.
- f. PLATES SHALL COVER OPENINGS AROUND OUTLETS.

SECTION 16085 - OCCUPANCY SENSORS

- A. FOR THE PURPOSE OF SELECTING QUALITY AND TYPES OF SENSORS, EQUIPMENT AS MANUFACTURED BY "THE WATT STOPPER" HAS BEEN SPECIFIED. FOLLOWING MANUFACTURERS MEETING THESE SPECIFICATIONS ARE ACCEPTABLE: HUBBELL, BUILDING AUTOMATION, NOVITAS, LEVITON
- B. PRODUCTS SUPPLIED SHALL BE FROM A SINGLE MANUFACTURER THAT HAS BEEN CONTINUOUSLY INVOLVED IN THE MANUFACTURING OF OCCUPANCY SENSORS FOR A MINIMUM OF FIVE (5) YEARS. MIXING OF MANUFACTURERS SHALL NOT BE ALLOWED.
- C. PRODUCTS SUPPLIED SHALL BE FROM A SINGLE MANUFACTURER THAT HAS BEEN CONTINUOUSLY INVOLVED IN THE MANUFACTURING OF OCCUPANCY SENSORS FOR A MINIMUM OF FIVE (5) YEARS. MIXING OF MANUFACTURERS SHALL NOT BE ALLOWED.
- D. ALL COMPONENTS SHALL BE UL LISTED, OFFER A FIVE (5) YEAR WARRANTY AND MEET ALL STATE AND LOCAL APPLICABLE CODE REQUIREMENTS.
- E. THE OBJECTIVE OF THIS SECTION IS TO ENSURE THE PROPER INSTALLATION OF THE OCCUPANCY SENSOR BASED LIGHTING CONTROL SYSTEM SO THAT LIGHTING IS TURNED OFF AUTOMATICALLY AFTER REASONABLE TIME DELAY WHEN A ROOM OR AREA IS VACATED BY THE LAST PERSON TO OCCUPY SAID ROOM OR AREA.
- F. THE OCCUPANCY SENSOR BASED LIGHTING CONTROL SHALL ACCOMMODATE ALL CONDITIONS OF SPACE UTILIZATION AND ALL IRREGULAR WORK HOURS AND HABITS.
- G. CONTRACTOR SHALL WARRANT ALL EQUIPMENT FURNISHED IN ACCORDANCE TO THIS SPECIFICATION TO BE UNMANGLED, FREE OF DEFECTS IN MATERIALS AND WORKMANSHIP, AND IN CONFORMANCE WITH THE SPECIFICATIONS. THE SUPPLIER'S OBLIGATION SHALL INCLUDE REPAIR OR REPLACEMENT, AND TESTING WITHOUT CHARGE TO THE OWNER, ALL OR ANY PARTS OF EQUIPMENT WHICH ARE FOUND TO BE DAMAGED, DEFECTIVE OR NON-CONFORMING AND RETURNED TO THE SUPPLIER. THE WARRANTY SHALL COMMENCE UPON THE OWNER'S ACCEPTANCE OF THE PROJECT. WARRANTY ON LABOR SHALL BE FOR A MINIMUM PERIOD OF ONE (1) YEAR.
- H. ALL PRODUCTS SHALL BE AS SHOWN DRAWINGS.

I. DUAL TECHNOLOGY SENSORS:

- a. THE DUAL TECHNOLOGY SENSOR SHALL BE CAPABLE OF DETECTING PRESENCE IN THE CONTROL AREA BY DETECTING DOPPLER SHIFTS IN TRANSMITTED ULTRASOUND AND PASSIVE INFRARED HEAT CHANGES.
- b. SENSOR SHALL UTILIZE DUAL SENSING VERIFICATION PRINCIPLE FOR COORDINATION BETWEEN ULTRASONIC AND PIR TECHNOLOGIES. DETECTION VERIFICATION OF BOTH TECHNOLOGIES MUST OCCUR IN ORDER TO ACTIVATE LIGHTING SYSTEMS. UPON VERIFICATION, DETECTION OF EITHER SHALL HOLD LIGHTING ON.
- c. THE LENS SHALL COVER UP TO 2000 SQ FT FOR WALKING MOTION WHEN MOUNTED AT 10 FT AND 1000 SQ FT OF DESKTOP MOTION.

SECTION 16120 - EQUIPMENT IDENTIFICATION

- H. LAMINATED PLASTIC PLATES WITH 3/16" HIGH WHITE LETTER ETCHED ON BLACK BACKGROUND.
- I. PLATES SHALL BE PERMANENTLY MOUNTED UTILIZING POI RIVETS OR A PERMANENT MASTIC/POXY.
- J. PAINTED, STENCILED OR INDENTED TAPE IDENTIFICATION IS NOT ACCEPTABLE.
- K. ALL ELECTRICAL APPARATUS SUCH AS WIRING TROUGHS, PANELBOARDS, INDIVIDUAL CIRCUIT BREAKERS, TRANSFORMERS AND DISCONNECT SWITCHES SHALL HAVE LAMINATED PLASTIC IDENTIFICATION PLATES. IDENTIFICATION SHALL MATCH LABELING SHOWN ON PLANS.
- L. PROVIDE A TYPE IDENTIFIER IN EACH PANELBOARD TO IDENTIFY THE LOAD FED BY EACH CIRCUIT AND THE AREAS SERVED. SPACES OR ROOM NUMBERS SHOWN ON THE DRAWINGS ARE NOT NECESSARILY THE FINAL NUMBERS BE ASSIGNED TO THESE AREAS. THE CONTRACTOR SHALL BEFORE COMPLETION OF THE PROJECT OBTAIN FROM THE ARCHITECT FINAL SPACE OR ROOM NUMBERS SO THAT IT CAN BE TYPED ONTO DIRECTORY.
- M. CIRCUIT BREAKERS AND DISCONNECTS SHALL IDENTIFY DESIGNATION OF THE EQUIPMENT SERVED, CIRCUIT AND PANEL FROM WHICH IT IS SERVED AS WELL AS VOLTAGE/PHASE OF CIRCUIT.
- N. ON ALL PANELBOARDS THE EXTERIOR IDENTIFICATION PLATE SHALL MATCH THAT ON THE DRAWINGS AND THE PANEL AND CIRCUIT NUMBER SERVING THE PANEL SHALL BE DESIGNATED WITHIN THE PANEL.

J. 360 DUAL TECHNOLOGY SENSORS:

- a. THE DUAL TECHNOLOGY SENSOR SHALL BE CAPABLE OF DETECTING PRESENCE IN THE CONTROL AREA BY DETECTING DOPPLER SHIFTS IN TRANSMITTED ULTRASOUND AND PASSIVE INFRARED HEAT CHANGES.
 - b. SENSORS SHALL COVER 360° AND UP TO 180 SQUARE FEET FOR WT-605 AND WT-600. 1100 SQUARE FEET FOR WT-1005 AND WT-1100, AND 2200 SQUARE FEET FOR WT-2205 AND WT-2200 OF WALKING MOTION.
 - c. THE DT-300 AND DT-355 SENSORS SHALL HAVE A BUILT-IN LIGHT LEVEL SENSOR THAT WORKS FROM 10 TO 300 FOOTCANDELS.
- K. ULTRASONIC SENSORS:
- a. THE ULTRASONIC OCCUPANCY SENSORS SHALL BE CAPABLE OF DETECTING PRESENCE IN THE FLOOR AREA TO BE CONTROLLED BY DETECTING DOPPLER SHIFTS IN TRANSMITTED ULTRASOUND.
 - b. SENSORS SHALL COVER 360° AND UP TO 180 SQUARE FEET FOR WT-605 AND WT-600. 1100 SQUARE FEET FOR WT-1005 AND WT-1100, AND 2200 SQUARE FEET FOR WT-2205 AND WT-2200 OF WALKING MOTION.
 - c. THE DT-300 AND DT-355 SENSORS SHALL HAVE A BUILT-IN LIGHT LEVEL SENSOR THAT WORKS FROM 10 TO 300 FOOTCANDELS.
- L. PASSIVE INFRARED SENSORS:
- a. THE PASSIVE INFRARED SENSOR SHALL BE CAPABLE OF DETECTING PRESENCE IN THE CONTROL AREA BY DETECTING CHANGES IN THE INFRARED ENERGY. SMALL MOVEMENTS SHALL BE DETECTED SUCH AS WHEN A PERSON IS WRITING WHILE SEATED AT A DESK WITHIN 15 FEET OF THE SENSOR.
 - b. SENSOR SHALL COVER UP TO 2000 SQUARE FEET WITH THE STANDARD LENS. UP TO 30 SQUARE FEET WITH THE LONG RANGE LENS. UP TO 120 LINEAR FEET WITH THE 2-SIDED AISLE WAY LENS, AND UP TO 50 LINEAR FEET WITH THE 1-SIDED AISLE WAY LENS FOR WALKING MOTION WHEN MOUNTED AT A CEILING HEIGHT OF 10 FEET.

M. POWER AND AUXILIARY PACKS:

- a. POWER PACK SHALL BE A SELF-CONTAINED TRANSFORMER AND RELAY MODULE MEASURING 1.6" X 2.75" X 1.6".
- b. FOR EASE AND SPEED OF INSTALLATION, POWER AND AUXILIARY RELAY PACK SHALL HAVE 1/2" SNAP-IN NIPPLE FOR 1/2" KNOCKOUTS AND MOUNTING ON OUTSIDE OF ENCLOSURE.
- c. POWER PACKS SHALL BE CAPABLE OF PARALLEL WIRING WITHOUT REGARD TO AC PHASES ON PRIMARY.
- d. ALL SENSORS SHALL BE CAPABLE OF OPERATING NORMALLY WITH ELECTRONIC BALLASTS, PL PLAMP SYSTEMS AND RATED MOTOR LOADS.
- e. ALL SENSORS SHALL HAVE READILY ACCESSIBLE, USER ADJUSTABLE SETTINGS FOR TIME DELAY AND SENSITIVITY. SETTINGS SHALL BE LOCATED ON THE SENSOR (NOT THE CONTROL UNIT) AND SHALL BE RECESSED TO LIMIT TAMPERING.

- N. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND AIM SENSORY IN THE CORRECT LOCATION REQUIRED FOR COMPLETE AND PROPER VOLUMETRIC COVERAGE WITHIN THE RANGE OF COVERAGE(S) OF CONTROLLED AREAS PER THE MANUFACTURERS RECOMMENDATIONS. ROOMS SHALL HAVE NINETY (90) TO ONE HUNDRED (100) PERCENT COVERAGE TO COMPLETELY COVER THE CONTROLLED AREA TO ACCOMMODATE ALL OCCUPANCY HABITS OF SINGLE OR MULTIPLE OCCUPANTS AT ANY LOCATION WITHIN THE ROOM(S). THE LOCATIONS AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY AND COMPLETELY COVER THE RESPECTIVE ROOM.

SECTION 16070 - DISCONNECT SWITCHES

- A. ACCEPTABLE MANUFACTURERS ARE: SQUARE "D" COMPANY, G. E., SIEMENS, CUTLER HAMMER
- B. DISCONNECT SWITCHES SHALL BE PROVIDED FOR ALL MOTORS AND STRIP HEATERS LOCATED OUT OF SIGHT OF MOTOR CONTROLLER, AND WHERE SPECIFICALLY INDICATED ON THE DRAWINGS. DISCONNECT SWITCHES SHALL DISCONNECT ALL UNGROUNDED CONDUCTORS, WHEN EXPOSED TO WEATHER. ENCLOSURE SHALL BE NEMA -3R. SWITCHES SHALL BE INSTALLED TO BE FULLY ACCESSIBLE IN ACCORDANCE WITH ARTICLE 110.26 OF THE NATIONAL ELECTRICAL CODE.
- C. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE AND SHALL BE EQUIPPED WITH FACTORY INSTALLED EQUIPMENT CABLE TIE BONDED TO THE CAN FOR GROUNDING PURPOSES.
- D. DISCONNECTS SHALL BE FUSIBLE TYPE, FUSED IN ACCORDANCE WITH THE NAME PLATE DATA ON THE UNIT.
- E. DISCONNECTS SHALL BE PROVIDED FOR WATER HEATERS OR RESISTANCE HEAT STRIPS SHALL BE FUSED AT 125% OF THE FULL LOAD AMPS OF THE UNIT.
- F. INSTALL FUSES SO THAT AMPERE RATINGS CAN BE READ WITHOUT HAVING TO REMOVE FUSES.
- G. ALL FUSES SHALL BE AS NOTED IN SECTION 16015.
- H. DISCONNECTS SHALL BE IDENTIFIED AS REQUIRED UNDER SECTION 16120.

SECTION 16100 - PULL BOXES AND JUNCTION BOXES AND FITTINGS

- A. BOXES SHALL BE PROVIDED IN THE RACEWAY SYSTEMS WHEREVER REQUIRED FOR THE PULLING OF WIRES AND THE MAKING OF CONNECTIONS.
- B. PULL BOXES OF NOT LESS THAN THE MINIMUM SIZE REQUIRED BY THE NATIONAL ELECTRICAL CODE ARTICLE 370 AND ANY ARE CONSTRUCTED OF CODE-GAUGE GALVANIZED SHEET STEEL. BOXES SHALL BE FURNISHED WITH SCREW-FASTENED COVERS. COVERS ON FLUSH WALL MOUNTED BOXES IN WELL APPOINTED AREAS (OFFICES, RECEPTION, CLASSROOMS, MEDIA CENTER, ETC.) SHALL BE MINIMUM 1/16 302 STAINLESS STEEL. BOXES LOCATED ON THE EXTERIOR OF THE BUILDING SHALL BE WATER TIGHT. COVERS SHALL BE SECURED WITH TAMPER PROOF SCREWS.
- C. BOXES SHALL BE SECURELY AND RIGIDLY FASTENED TO THE SURFACE OF WHICH THEY ARE MOUNTED OR SHALL BE SUPPORTED FROM STRUCTURAL MEMBER OF THE BUILDING EITHER DIRECTLY OR BY USING A SUBSTANTIAL AND APPROVED WOOD BRACKET.
- D. ALL BOXES SHALL BE SO INSTALLED THAT THE WIRING CONTAINED IN THEM CAN BE RENDERED ACCESSIBLE WITHOUT REMOVING PART OF THE BUILDING.
- E. WHERE SEVERAL CIRCUITS PASS THROUGH A COMMON PULL BOX, THE CIRCUITS SHALL BE TAGGED TO INDICATE CLEARLY THEIR ELECTRICAL CHARACTERISTICS, CIRCUIT NUMBER AND DESIGNATION.
- F. ALL JUNCTION BOXES LARGER THAN 4" X 4" FLUSH MOUNTED IN WALL SHALL HAVE OVERLAPPING COVER PLATE TO COVER JOINTS AND OPENINGS.

SECTION 16110 - GROUNDING

- A. THE WORK REQUIRED UNDER THIS SECTION OF THE SPECIFICATIONS CONSISTS OF FURNISHING, INSTALLATION AND CONNECTIONS OF THE BUILDING SECONDARY G

MECHANICAL NOTES

ALL MATERIALS AND EQUIPMENT SHALL BE OF NEW AND OF FIRST QUALITY. WORKMANSHIP SHALL CONFORM TO THE BEST PRACTICE FOR SUCH WORK. ALL INSTALLERS OF THE SYSTEMS SHALL BE TRAINED IN THE INSTALLATION OF THE TYPES OF SYSTEMS BEING INSTALLED.

1. SUBMISSION OF PROPOSAL DIRECTLY OR INDIRECTLY IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH HE WILL BE OBLIGATED TO OPERATE SHOULD HE BE AWARDED THE WORK UNDER THIS CONTRACT. CONTRACTOR SHALL VERIFY EXISTING EQUIPMENTS, LOCATIONS IN THE FIELD, AND SHALL ADVISE THE ARCHITECT/ENGINEER AND THE OWNER OF ANY DISCREPANCIES. A SITE VISITATION CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
2. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE ARCHITECT/ENGINEER AND THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
3. FIRE DAMPERS – FIRE DAMPERS SHALL BE USED WHERE DUCTWORK PENETRATES WALLS, FLOORS AND CEILINGS OF A FIRE RATED ASSEMBLY. FIRE STOPPING IS TO BE INSTALLED IN ALL SYSTEMS WHERE A FIRE WALL OR FIRE BARRIER IS PENETRATED. FIRE RATED CAULK SHALL BE USED TO SEAL ALL PENETRATIONS THROUGH FIRE RATED ROOMS FROM ALL MECHANICAL WORKMANSHIP INCLUDING, BUT NOT LIMITED TO CONTROL WIRING, CONDENSATE LINES, MECHANICAL PIPING/LINES SET GOING THROUGH FIRE RATED WALL SHALL BE UL CLASSIFIED FOR FIRE RATED WALL. PIPE INSULATION FOR PIPING SHALL MEET UL CLASSIFICATION FOR FIRE RATED WALL.
4. MECHANICAL CONTRACTOR SHALL INSTALL EQUIPMENT PER MANUFACTURERS' INSTRUCTIONS AND SHALL HAVE MANUFACTURERS' INSTALLATION INSTRUCTIONS ON SITE DURING FINAL INSPECTION.
5. THESE DRAWINGS ARE OF A SCHEMATIC NATURE AND THE CONTRACTOR MUST OBTAIN ANY ADDITIONAL INFORMATION REQUIRED FOR THE WORK AND INTERFACE WITH OTHER DISCIPLINES ON SITE.
6. PREPARED OF THESE DRAWINGS SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR OR OF THE SAFETY, PRECAUTIONS AND PROGRAMS INCIDENTAL TO THE WORK OF THE CONTRACTOR.
7. SUBSTITUTIONS – ALL PRODUCTS LISTED ARE TO ESTABLISH DESIGN AND QUALITY STANDARDS, NOT TO LIMIT SUBMITTALS. CONTACT ENGINEER IN WRITING PRIOR TO BID WITH ANY QUESTIONS. ALL SUBSTITUTIONS MUST BE SUBMITTED IN WRITING WITHIN 10 DAYS AFTER BID OR SUPPLY AS SPECIFIED. HIGHLIGHT SUBSTITUTION DEVIATIONS FROM MATERIALS SPECIFIED. COST INCURRED TO MODIFY PROJECT TO INSTALL SUBSTITUTED MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR REQUESTING THE SUBSTITUTION.
8. RIGID DUCTWORK SHALL BE GALVANIZED SHEET METAL. DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA MANUAL. ALL DIMENSIONS ARE NET INSIDE CLEAR. PROVIDE FLEX CONNECTIONS AT ALL EQUIPMENT. PROVIDE TURNING VANES IN RECTANGULAR DUCT. FLEX DUCTWORK IS ALLOWED FOR THE FINAL 14 FEET OF DUCT LEADING UP TO GRILLES, DIFFUSERS AND AIR TERMINATION DEVICES UNLESS OTHERWISE SPECIFIED ON THE MECHANICAL PLANS.
9. COMPLETED INSTALLATION SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND STANDARDS.
10. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL EQUIPMENT WITH CEILING AND GROUND LAYOUT ON SITE BEFORE CONSTRUCTION IS TO BE STARTED. (IF DIFFERENCES IS TO BE CORRECTED BY MECHANICAL CONTRACTOR OR REPORTED TO GENERAL CONTRACTOR.
11. AIR HANDLER DRAIN PANS SHALL BE FABRICATED FROM 1½"x1½"x¾" ANGLE IRON MINIMUM AND SUPPORTED BY ¾" THREADED ROD ATTACHED TO STRUCTURE. FORMED SHEET METAL DRAIN PANS OF EQUAL STRENGTH ARE ACCEPTABLE WHERE EQUIPMENT IS LOCATED ON SLAB FLOORS OR PLATFORMS.
12. ALL CONDENSATE DRAINS SHALL HAVE AUTOMATIC SENSORS IN SECONDARY DRAIN PAN CONNECTED TO ANY AIR HANDLER. SHUT-DOWN SYSTEM ON FAULT OF DRAINS OR HAVE A SECONDARY CONDENSATE DRAIN INSTALLED. IF USING SECOND CONDENSATE DRAIN METHOD, TERMINATION SHOULD BE IN CONSPICUOUS SPOT TO ALERT OWNER OF DRAIN ISSUES.
13. ALL SUPPLY BRANCHES AND OUTDOOR INTAKES SHALL HAVE MANUAL BALANCING DAMPERS UNLESS OTHERWISE NOTED.
14. DUCT TRANSITIONS FOR INTERFERENCE ISSUES CAN BE MADE USING EQUIVALENT AREA.
15. MAINTAIN DUCTWORK LEVEL AND AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. TRANSITION RECTANGULAR DUCTWORK ON THE BOTTOM SIDES TO KEEP DUCTWORK AS HIGH AS POSSIBLE. TAPS, TAKE-OFFS AND SPIN IN FITTINGS ARE NOT ACCEPTABLE IN THE END OF CAPPED DUCTS AND SHOULD BE PLACED NOT LESS THAN 12" FROM THE END OF THE DUCT LINE FOR PRESSURIZATION. OPENINGS THROUGH WALLS, FLOORS AND ROOFS SHALL BE FLASHED AND SEALED WATER TIGHT AND SHALL BE PER CODE.
16. ALL INTAKE OPENINGS MECHANICAL AND GRAVITY OUTSIDE AIR INTAKE OPENINGS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ANY HAZARDOUS OR NOXIOUS CONTAMINANT SUCH AS VENTS, CHIMNEYS, PLUMBING VENTS, STREETS, ALLEYS, PARKING LOTS AND LOADING DOCKS UNLESS OTHERWISE SPECIFIED. IN CASE OF A HAZARDOUS OR NOXIOUS CONTAMINANT IS LOCATED WITHIN 10 FEET OF AN INTAKE OPENING, THE OPENING SHALL BE LOCATED MINIMUM OF 2 FEET BELOW CONTAMINANT SOURCE. THE INTAKE OPENINGS SHALL HAVE RAIN HOODS, BIRD SCREENS AND LOUVERS SUPPLIED BY CONTRACTOR.
17. CONDENSATE DISPOSAL SHALL COMPLY WITH SECTION 307.2.1 OF THE IMC CODE BY EITHER DISCHARGE TO THE OUTSIDE OR INTO A HUB DRAIN TO THE SEWER.
18. SMOKE DETECTORS SHALL BE INSTALLED IN ALL SYSTEMS GREATER THAN 2000 CFM IN THE RETURN AIR DUCT AND SHALL BE HARD WIRED TO THE FAN STARTER FOR SHUTDOWN ON ACTIVATION OF SENSOR. THE ALARM FOR ACTIVATION SHALL BE VISUAL AND AUDIBLE PER NFPA 90A AND 72E. IF A CENTRAL ALARM SYSTEM IS INSTALLED IN THE BUILDING THIS SHALL ALSO BE CONNECTED TO EACH UNIT.
19. PROVIDE ACCESS TO DEVICES ABOVE HARD CEILINGS. ALL AIR HANDLING EQUIPMENT LOCATED ABOVE CEILINGS SHALL HAVE A PLATFORM FOR MOUNTING FURNISHED ON THE STRUCTURAL DRAWING WHICH SUPPORT THE UNITS ACCORDING TO SEISMIC RATING FOR THE LOCATION. LIGHTING IS TO BE PROVIDED BY ELECTRICAL FOR MAINTENANCE.
20. ALL EQUIPMENT AND DUCTWORK VISIBLE THROUGH SLOTS, GRILLES AND/OR DIFFUSERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
21. WALL MOUNTED TEMPERATURE SENSORS AND/OR THERMOSTATS TO BE MOUNTED PER DRAWINGS OR OWNER INSTRUCTIONS. THERMOSTATS TO BE 7 DAY PROGRAMMABLE WITH ABILITY TO CONTROL FAN OPERATION SEPARATELY FROM TEMPERATURE SETPOINT FOR SEVEN DAYS WITH LOCKING COVERS. MOUNT AT 60° AFF OR AT OWNER OR ARCHITECT DIRECTION.
22. AIR AND WATER BALANCING REPORT PER IMC IS TO BE PROVIDED TO CODE OFFICIALS AT FINAL INSPECTION.
23. SUPPORTS FOR DUCTWORK TO COMPLY WITH IMC AND IBC CODES.
24. MINIMUM OUTSIDE AIR REQUIREMENTS WERE CALCULATED USING INTERNATIONAL MECHANICAL CODE 2021. ANY CHANGES TO THE SPECIFIED OUTSIDE AIR REQUIREMENTS MUST BE APPROVED BY DESIGN ENGINEER.
25. INSULATION SHALL BE 2" MINIMUM THICKNESS UNLESS OTHERWISE NOTED ON DRAWINGS. INSULATION SHALL BE INSTALLED WITH 2" OVERLAP AND STAPLED EVERY 6" WITH OUTWARD CLINCHING STAPLES. SEAMS AND JOINTS SHALL BE SEALED WITH PRESSURE SENSITIVE TAPE MATCHING INSULATION OR GLASS FABRIC AND MASTIC. FOR RECTANGULAR DUCT SECTIONS 24" OR WIDER, DUCT WRAP INSULATION SHALL BE ADDITIONALLY SECURED WITH MECHANICAL FASTENERS AT 12" ON CENTER TO PREVENT SAGGING INSULATION. OUTSIDE DUCT SHALL HAVE WEATHERPROOF WRAP. DUCT LOCATED IN UNCONDITIONED AREAS SHALL NOT HAVE INSULATION. OUTSIDE BUILDING INSULATE: INSULATE SUPPLY AND RETURN DUCT WITH 2" FIBERGLASS SEMI-RIGID BOARD INSULATION UNFACED; FLAME SPREAD RATING = 25; SMOKE DEVELOPED RATING = 50; DENSITY = 3 PCF; -20° F TO 450° F RATING; R VALUE = .87; OWENS-CORNING TYPE 703 OR EQUAL. FINISH EXTERIOR WITH WATERPROOF ALUMINUM JACKET.
26. INSULATE ALL CONDENSATE DRAINS WITH 1" THICK ARMAFLEX. CONDENSATE DRAINS THAT RUN DIRECTLY VERTICAL DO NOT NEED INSULATION.
27. UNLESS OTHERWISE NOTED, MECHANICAL CONTRACTOR REQUIRED TO SUPPLY STARTERS AND DISCONNECTS FOR EQUIPMENT SHOWN ON ALL MECHANICAL SCHEDULES. COORDINATE WITH ELECTRICAL CONTRACTOR TO INSTALL AND WIRE CONNECTIONS.
28. UNLESS OTHERWISE NOTED, MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONDUIT AND WIRING FOR THERMOSTATS AND ANY OTHER CONTROLS REQUIRED BY THE HVAC SYSTEM.
29. TEST AND BALANCE ALL SYSTEMS BY A CERTIFIED CONTRACTOR.
30. HVAC DRAWINGS ARE THE SOURCE FOR ALL LOUVERS. IF STRUCTURAL AND OR ARCHITECTURAL DRAWINGS SHOW SIZES DIFFERENT FROM THE HVAC DRAWINGS, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO MAKE CHANGES NEEDED TO ACCOMMODATE THE EQUIPMENT. THIS IS TO BE COORDINATED WITH THE STRUCTURAL AND ARCHITECTURAL ENGINEERS THROUGH A RFI.
31. CONTRACTOR SHALL SUBMIT (3) SETS OF SHOP DRAWINGS AND EQUIPMENT CUTS TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING ANY WORK.
32. UPON COMPLETION OF CONSTRUCTION CONTRACTOR SHALL SUPPLY THE ENGINEER WITH (1) COMPLETE SET OF AS-BUILT DOCUMENTS AND (3) COMPLETE COPIES OF OPERATIONS AND MAINTENANCE MANUALS. AS-BUILT DRAWINGS SHALL BE OBTAINED AT CONTRACTOR'S EXPENSE.
33. REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER-RESISTANT CAPS OR SHALL OTHERWISE BE SECURED TO PREVENT UNAUTHORIZED ACCESS. THIS DOES NOT APPLY IN CONTROLLED AREA (I.E. ROOFS WITH LOCKED HATCHES OR DOORS)

SPIRAL DUCTWORK NOTES

1. SPIRAL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA MANUAL.
2. PREP SPIRAL DUCT FOR PAINT. PAINT PER OWNER'S/ARCHITECT COLOR SELECTION
3. CABLE HANGER PAINT PER OWNER'S COLOR SELECTIONS.

LEGEND

A.F.F. ABOVE FINISHED FLOOR

— L — MANUAL VOLUME DAMPER

① THERMOSTAT

 DIFFUSER SYMBOL

— AIR FLOW CFM

— FLEX DUCT

 FIRE DAMPER

 SUPPLY DUCT UP

 SUPPLY DUCT DOWN

 RETURN DUCT UP

 RETURN DUCT DOWN

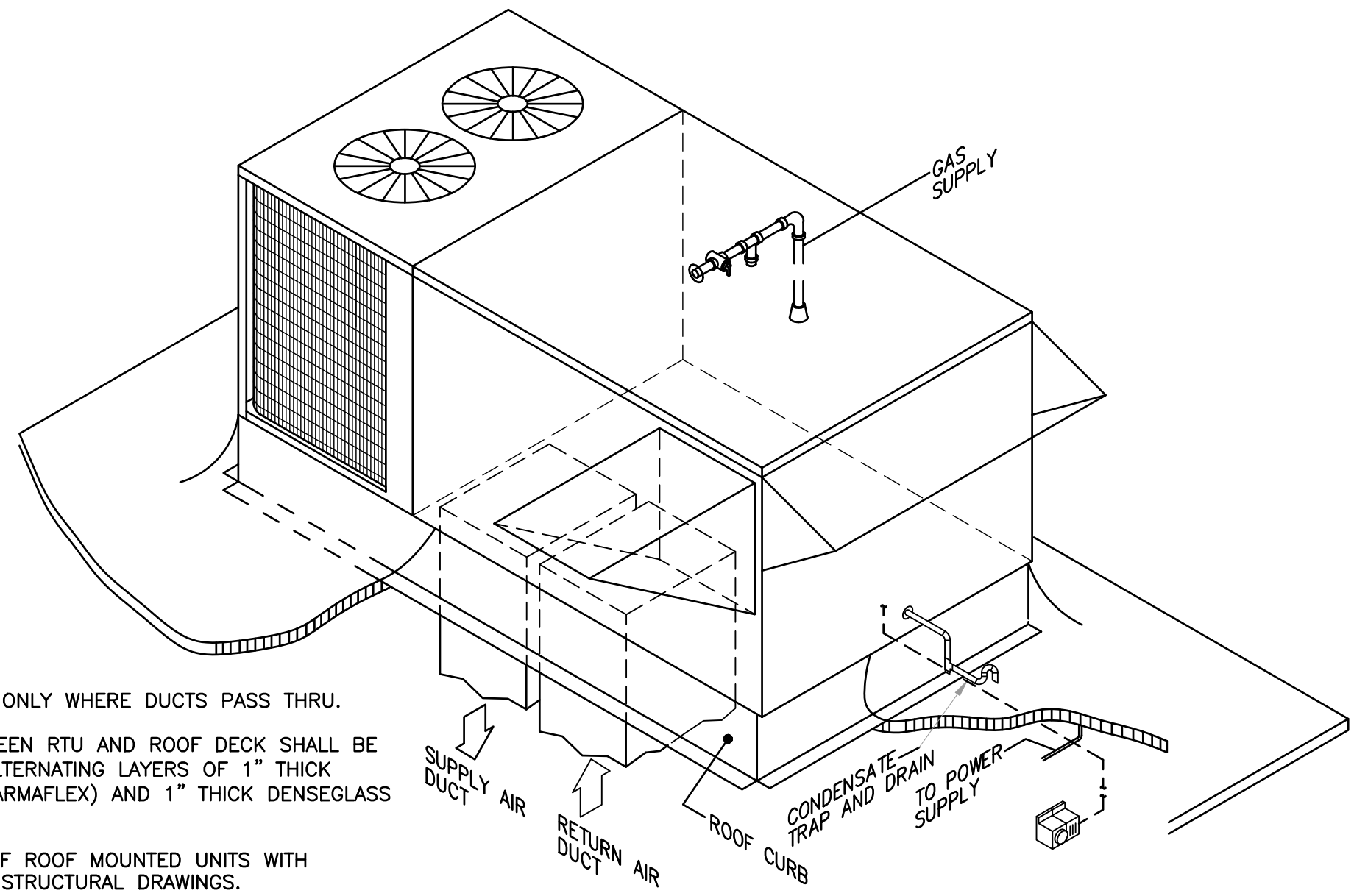
— NEW DUCTWORK

 NEW CEILING SUPPLY DIFFUSER

 NEW CEILING RETURN GRILLE

— G — NATURAL GAS PIPING

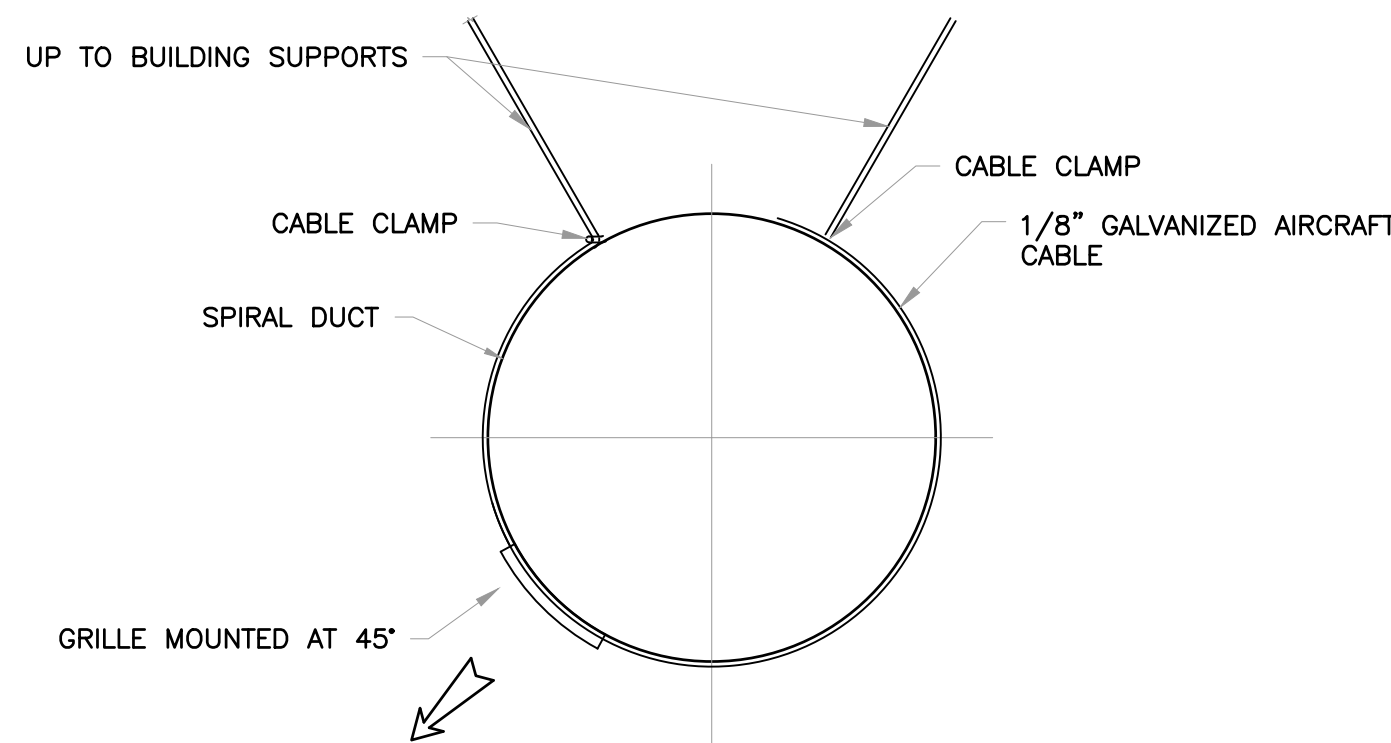
— CD — CONDENSATE PIPING



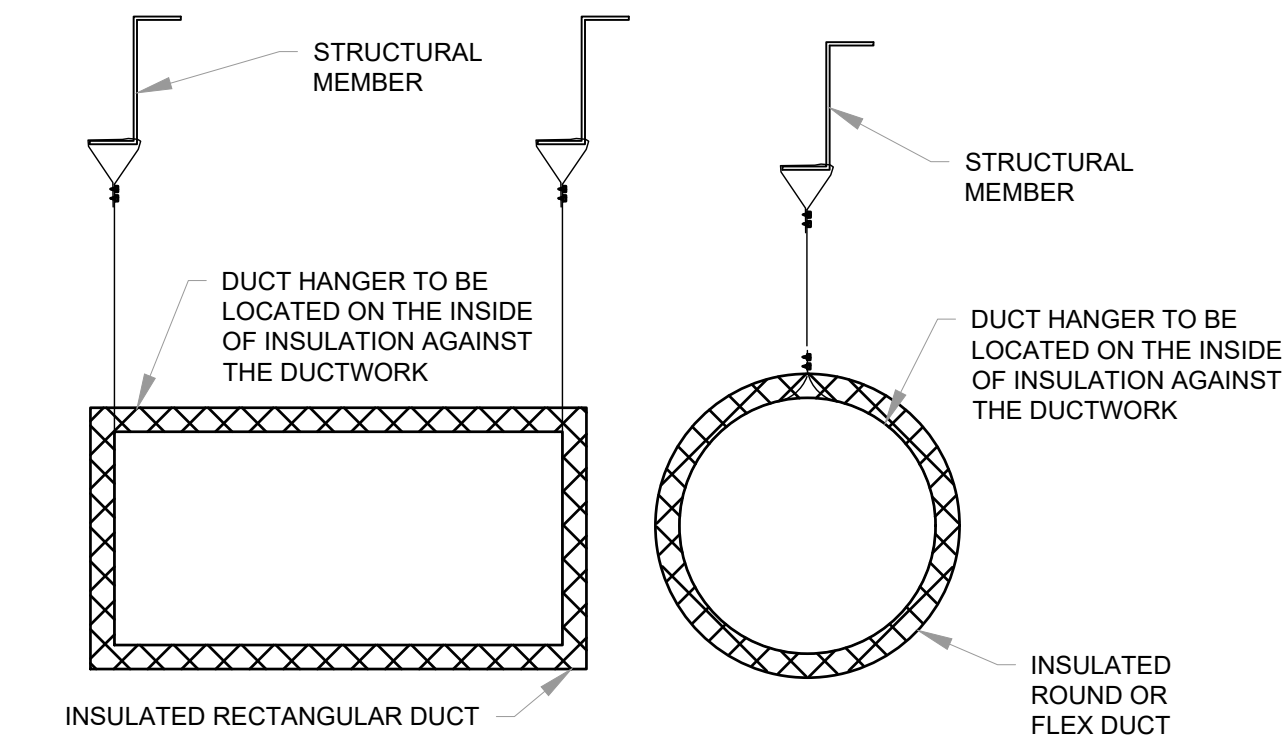
ROOF CURB NOTES:

1. ROOF DECK SHALL BE CUT ONLY WHERE DUCTS PASS THRU.
2. ALL SPACE IN CURBS BETWEEN RTU AND ROOF DECK SHALL BE COMPLETELY FILLED WITH ALTERNATING LAYERS OF 1" THICK CLOSED CELL INSULATION (ARMAFLEX) AND 1" THICK DENSEGLASS RIGID BOARD SIDING.
3. COORDINATE INSTALLATION OF ROOF MOUNTED UNITS WITH GENERAL CONTRACTOR AND STRUCTURAL DRAWINGS.

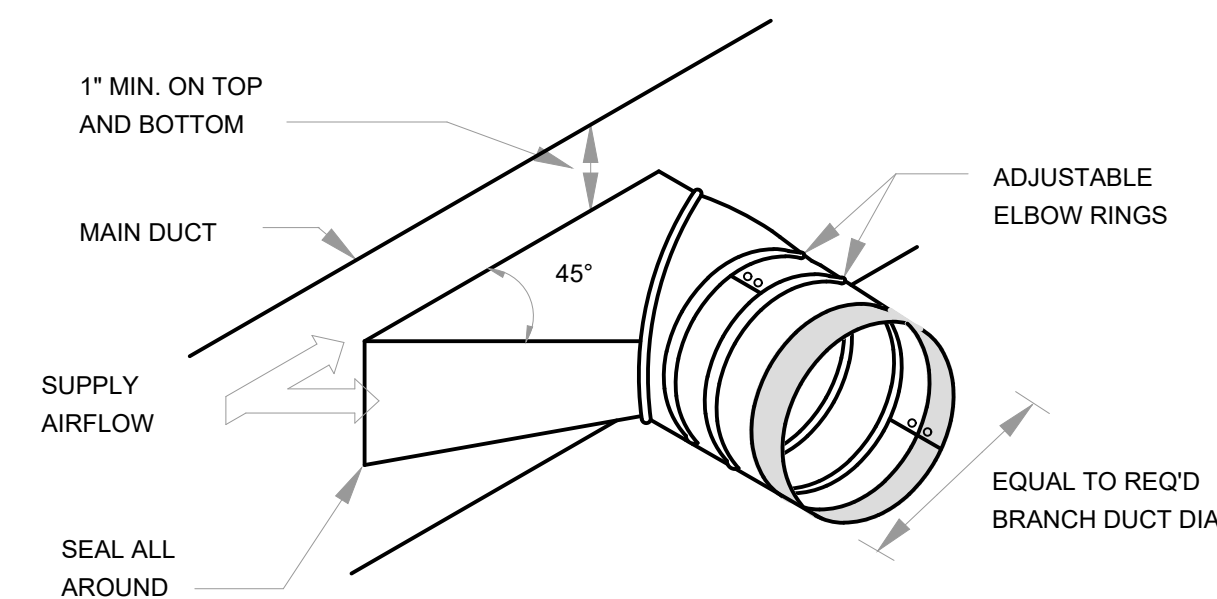
1 GAS ROOFTOP PACKAGE HVAC UNIT DETAIL WITH VERTICAL SUPPLY AND RETURN DUCTS
NTS



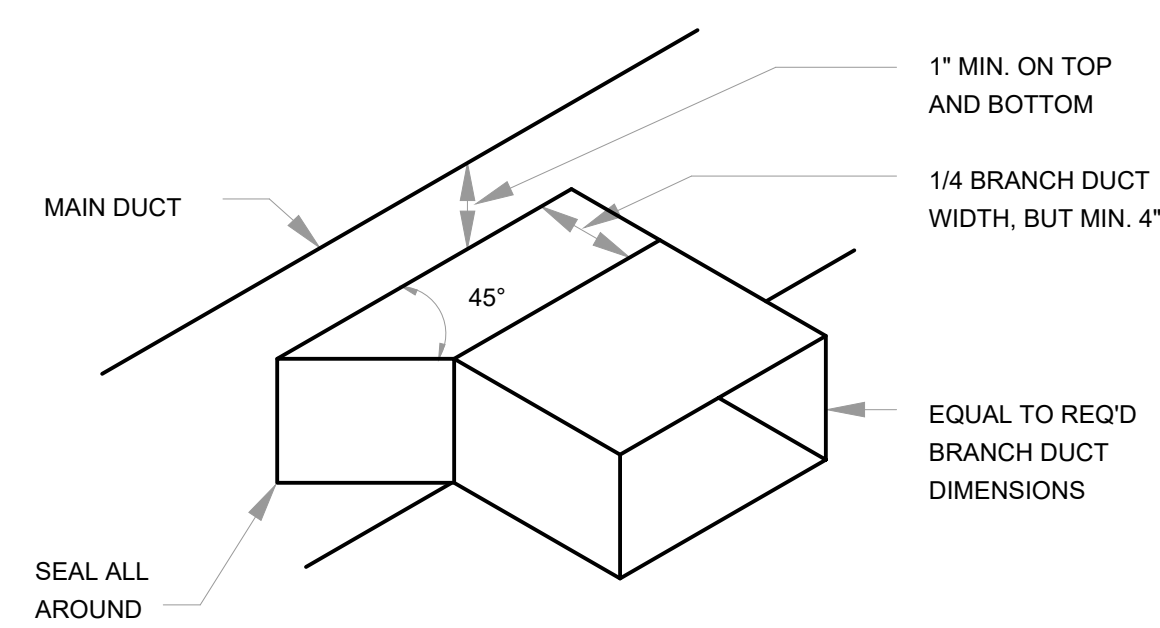
2 SPIRAL DUCT-MOUNTED DIFFUSERS DETAIL
NTS

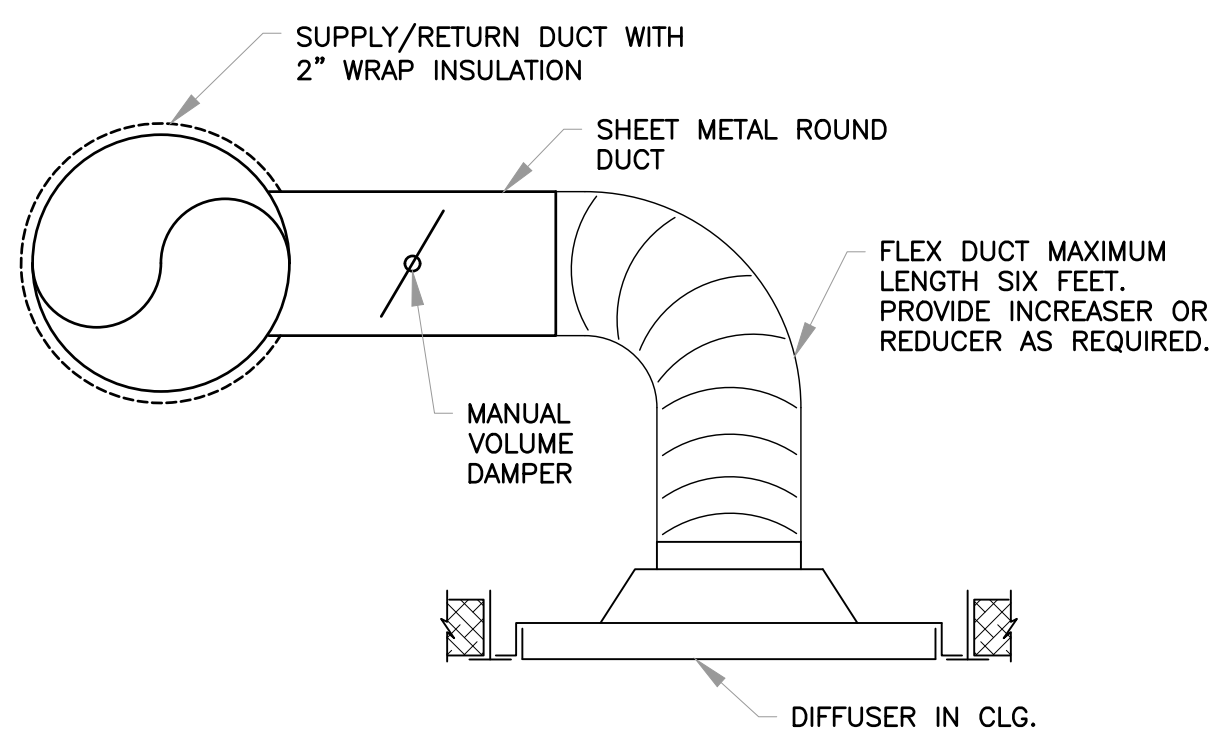


3 DUCT HANGER DETAIL
NTS

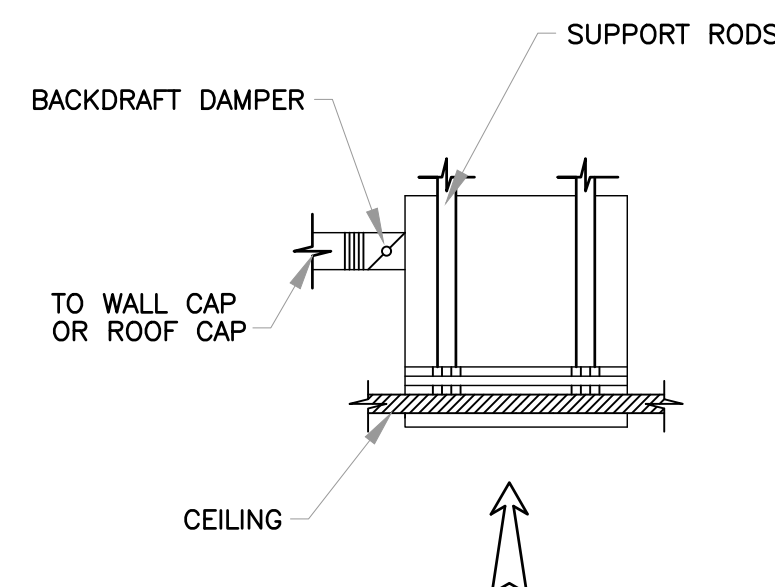


4 TYPICAL BRANCH TAKE-OFF FITTING DETAIL
NTS

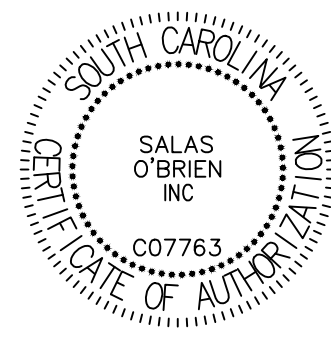




5 DIFFUSER INSTALLATION DETAIL
NTS



6 CEILING EXHAUST FAN DETAIL
NTS

[illegible]

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MECHANICAL NOTES AND DETAILS

DESIGNED:	HAP	
DRAWN:	HAP	
CHECKED:	BPC	
PROJECT No.	.	
DATE 05-29-26	REV A	SHEET M001

PACKAGED HVAC UNIT SCHEDULE - DX COOLING / GAS HEAT																					
EQUIPMENT NUMBER	AREA SERVED	NOMINAL CAPACITY (TONS)	MANUF.	MODEL #	REFRIG. TYPE	SUPPLY (CFM)	OUTSIDE AIR (CFM)	ESP H2O	COOLING SECTION		HEATING SECTION		UNIT ELECTRICAL DATA					UNIT WEIGHT (LBS)	EER/SEER/IEER	ACCESSORIES REQUIRED	
									GROSS CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	LOW GAS HEAT		COMPRESSOR			MCA (AMPS)	MOP (AMPS)				VOLTAGE V/PH/HZ
											INPUT	OUTPUT	NO.	#1 RLA	#2 RLA						
RTU-1	KITCHEN	3.0	TRANE	YSK036A3SOL	R-454B	1200	200	1.179	37.96	9.74	80.00	64.80	1	12.50	—	23.0	30.0	208/3/60	758.0	12.00/1400/—	1-9
RTU-2	STORE/OFFICE	5.0	TRANE	YSK060A3SOL	R-454B	2000	230	1.468	61.68	13.56	80.00	64.80	1	16.50	—	31.0	45.0	208/3/60	809.0	12.00/1400/—	1-10
RTU-3	STORE/BACK	5.0	TRANE	YSK060A3SOL	R-454B	2000	180	1.468	61.68	13.56	80.00	64.80	1	16.50	—	31.0	45.0	208/3/60	809.0	12.00/1400/—	1-10
* THE BRAND OF EQUIPMENT SHOWN ON SCHEDULE IS TO ESTABLISH THE BASIS OF DESIGN. ALTERNATES ARE ACCEPTABLE BY APPROVAL OF OWNER OR PROJECT MANAGER.																					
* CONTRACTOR MUST VERIFY UNIT CONFIGURATION TO FIT THE LAYOUT DESIGN.																					
ACCESSORIES:																					
1. REFRIGERANT PIPING AND SPECIALTIES SHALL BE SIZED BY MANUFACTURER.																					
2. MC TO PROVIDE FILTERS IN ACCORDANCE WITH CODE.																					
3. UNIT TO BE SELECTED WITH 0.5” FILTER PRESSURE DROP THAT IS NOT PART OF THE ESP SCHEDULED.																					
4. PACKAGE UNIT SHALL INCLUDE FACTORY SUPPLIED POWERED CONVENIENCE OUTLET. EC TO SUPPLY TWO CIRCUITS TO EACH RTU. ONE CIRCUIT TO SERVE RTU & ONE AT 115 VOLTS TO SERVE POWERED CONVENIENCE OUTLET.																					
5. PROVIDE PROGRAMMABLE T-STAT WITH WINTER AND SUMMER SETPOINTS AND HEAT/COOL/AUTO SWITH WITH ABILITY TO CONTROL FAN OPERATION SEPARATE FROM TEMPERATURE SETPOINT FOR SEVEN DAYS WITH LOCKING COVERS																					
6. MC TO PROVIDE FACTORY APPROVED ROOF CURBS. GC TO INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.																					
7. 0-100% MODULATING ECONOMIZER WITH POWERED EXHAUST FAN.																					
8. UNIT SHALL INCLUDE FACTORY SUPPLIED NON-FUSED DISCONNECT.																					
9. CONDENSER COIL GRILLES																					
10. DUCT MOUNTED SMOKE DETECTOR WITH REMOTE ALARM.																					

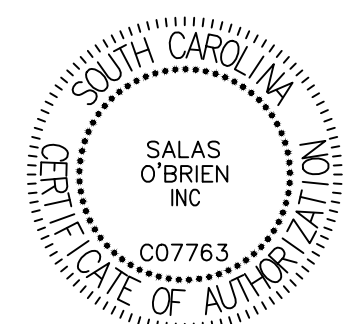
EXHAUST FAN SCHEDULE									
EQUIPMENT TAG	MANUFACTURER	MODEL	AIRFLOW	E.S.P. (IN. WC)	FAN RPM	DRIVE	WATTS OR HP	ELECTRICAL (V/PH/HZ)	ACCESSORIES
EF-1	GREENHECK	SP-A90	75	0.25	885	DIRECT	14 W	115/1/60	1-4
EF-2	GREENHECK	SP-A90	75	0.25	885	DIRECT	14 W	115/1/60	1-4
EF-3	GREENHECK	SP-A90	50	0.25	783	DIRECT	9 W	115/1/60	1-3,5
* THE BRAND OF EQUIPMENT SHOWN ON SCHEDULE IS BASIS OF DESIGN. EQUAL PRODUCTS BY GREENHECK, TWIN CITY, CARNES, PENN-BARRY.									
ACCESSORIES:									
1. BACKDRAFT DAMPER					4. OPERATED BY LIGHTSWITCH				
2. SPEED CONTROLLER					5. SET TO RUN CONTINUOUSLY				
3. FACTORY DISCONNECT									

OA SCHEDULE						
FUNCTION OF SPACE	TOTAL FLOOR AREA (SQFT)	PEOPLE	PEOPLE OUTDOOR AIR RATE (CFM/PERSON)	AREA OUTDOOR AIR RATE (CFM/SQFT)	OUTSIDE AIR REQUIRED (CFM)	OUTSIDE AIR SUPPLIED (CFM)
STORE AREA	2310	8	7.5	0.12	350	350
KITCHEN	420	2	7.5	0.12	70	200
OFFICE	89	1	5	0.06	20	20
STORAGE	425	1	5	0.06	40	40
TOTAL	3244	12			480	480

AIR DISTRIBUTION SCHEDULE								
MARK	TYPE	OUTLET	SIZE	MAX CFM	NC	MANUF.	MODEL NUMBER	NOTES
A	SUPPLY	24"x24"	118	—	PRICE		6"ø/24"x24"/ASPD/B12	1—4
B	SUPPLY	24"x24"	244	—	PRICE		8"ø/24"x24"/ASPD/B12	1—4
C	SUPPLY	24"x24"	380	18	PRICE		10"ø/24"x24"/ASPD/B12	1—4
D	SUPPLY	8"x6"	180	17	PRICE		8"x6"/510/SM/SR/B12	2,3,6
E	SUPPLY	14"x4"	210	18	PRICE		14"x4"/510/SM/SR/B12	2,3,6
F	SUPPLY	10"x8"	320	20	PRICE		10"x8"/510/SM/SR/B12	2,3,6
RA	RETURN	24"x24"	2527	21	PRICE		24"x24"/80/TB/B12	1—4
RB	RETURN	14"x14"	590	19	PRICE		14"x14"/510/SM/SR/B12	2,3,6
NOTES:								
1. WITH ROUND NECK OPTION, CONNECTION SIZE IS TO BE SAME AS ATTACHED DUCTWORK UNLESS NOTED OTHERWISE.								
2. FURNISH IN MANUFACTURER'S STANDARD WHITE FINISH.								
3. KRUEGER, TUTTLE & BAILEY, OR TITUS EQUIVALENT MODELS ARE ALSO ACCEPTABLE.								
4. T-BAR, LAY-IN CEILING								
5. EXPOSED DUCT								
6. SURFACE MOUNT								

AIR BALANCE SCHEDULE			
MARK	OA (CFM)	EXHAUST (CFM)	TOTAL (CFM)
RTU-1	200	-	+200
RTU-2	230	-	+230
RTU-3	180	-	+180
KMUA	1190	-	-298
KEF	-	1488	-1488
EF-1	-	75	-75
EF-2	-	75	-75
EF-3	-	50	-50
TOTAL	1800	-1688	112

REV	DATE	DESCRIPTION	ISSUED FOR APPROVAL									
			A									



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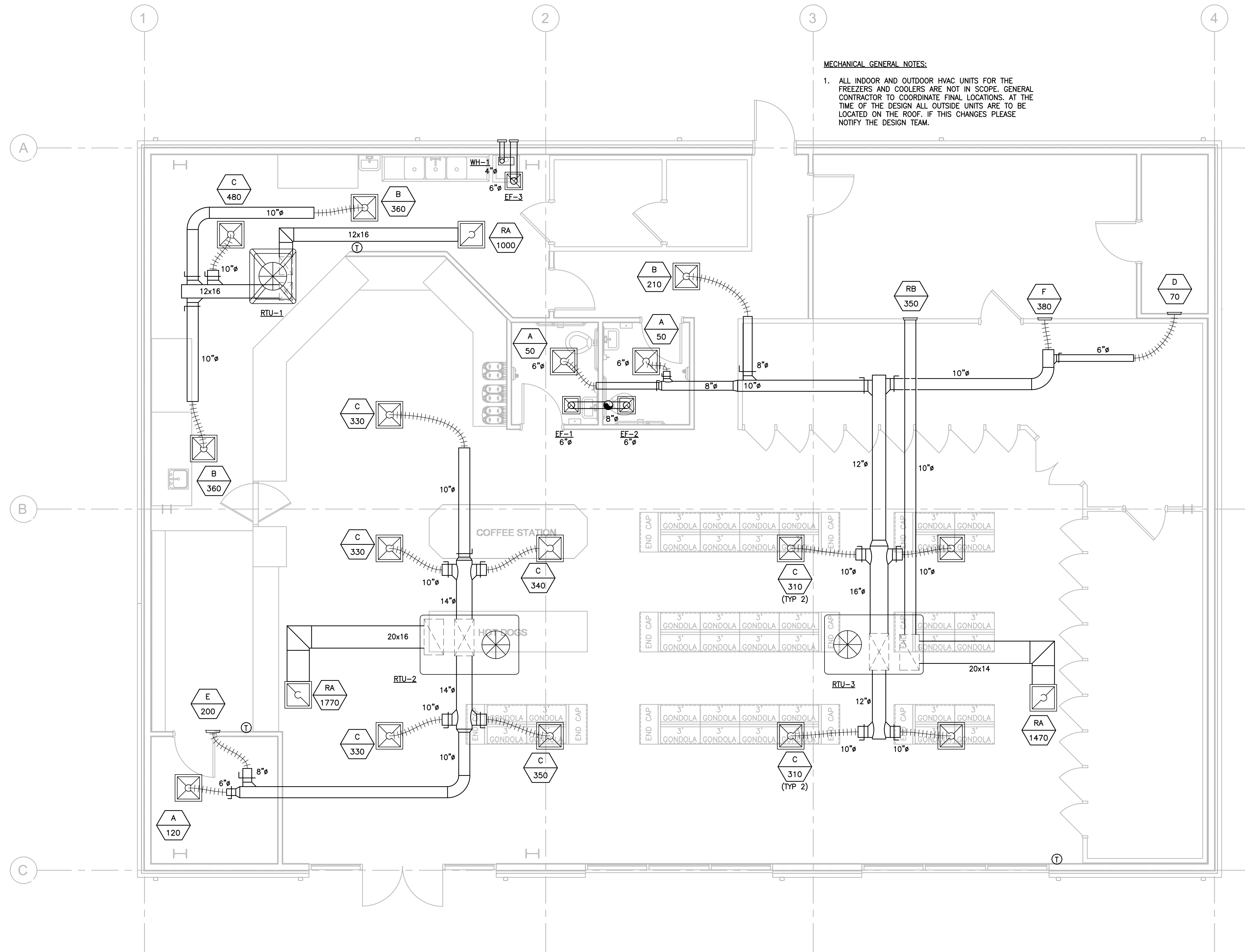
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MECHANICAL
SCHEDULES

DESIGNED:	HAP	
DRAWN:	HAP	
CHECKED:	BPC	
PROJECT No.	-	
DATE 05-29-26	REV A	SHEET M002

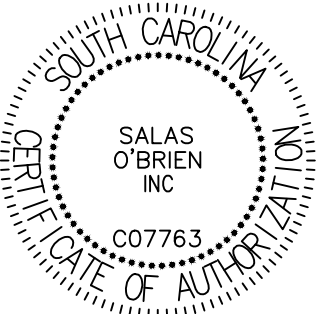
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- MECHANICAL GENERAL NOTES:
1. ALL INDOOR AND OUTDOOR HVAC UNITS FOR THE FREEZERS AND COOLERS ARE NOT IN SCOPE. GENERAL CONTRACTOR TO COORDINATE FINAL LOCATIONS. AT THE TIME OF THE DESIGN ALL OUTSIDE UNITS ARE TO BE LOCATED ON THE ROOF. IF THIS CHANGES PLEASE NOTIFY THE DESIGN TEAM.

1 MECHANICAL HVAC PLAN
1/4" = 1'-0"

REV	DATE	DESCRIPTION
A	04-20-26	ISSUED FOR APPROVAL



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OVERALL
MECHANICAL
PLAN

DESIGNED:	HAP	
DRAWN:	HAP	
CHECKED:	BPC	
PROJECT No.	.	
DATE	REV	SHEET
05-29-26	A	M101

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PLUMBING NOTES

- ALL MATERIALS AND EQUIPMENT SHALL BE OF NEW AND OF FIRST QUALITY. WORKMANSHIP SHALL CONFORM TO THE BEST PRACTICE FOR SUCH WORK. ALL INSTALLERS OF THE SYSTEMS SHALL BE TRAINED IN THE INSTALLATION OF THE TYPES OF SYSTEMS BEING INSTALLED.
- ALL WORK SHALL CONFORM TO THE 2018 INTERNATIONAL PLUMBING CODE, OSHA REQUIREMENTS AND ALL APPLICABLE LOCAL CODES AND ORDINANCES. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL PERMITS AND FINAL APPROVALS.
 - SUBMISSION OF PROPOSAL DIRECTLY OR INDIRECTLY IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH HE WILL BE OBLIGATED TO OPERATE SHOULD HE BE AWARDED THE WORK UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
 - CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE ARCHITECT/ENGINEER AND THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.
 - THE CONTRACTOR SHALL VERIFY ALL CLEARANCES, DIMENSIONS, INVERTS AND SIZES OF PIPING AND EQUIPMENT WITH THE CONTRACT DOCUMENTS AND CONDITIONS IN THE FIELD BEFORE FABRICATION OF ANY MATERIALS OR WORK TO BE PERFORMED.
 - THE CONTRACTOR SHALL INSTALL SYSTEMS AS DESIGNED AND SET FORTH BY THE CONTRACT DOCUMENTS AND THE DESIGN CONCEPT INTENDED BY THE DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES, AND THE SATISFACTORY PERFORMANCE OF THIS WORK.
 - POTABLE HOT AND COLD WATER PIPE IN THE BUILDING SHALL BE ASTM B88 HARD COPPER TUBING, TYPE L WITH WROUGHT COPPER SOLDER JOINTS. GATE VALVES TO BE CRANE NO 1700 CLASS 125 BRONZE BODY, THREADED JOINT. FOR PIPING SIZES 1" AND SMALLER, ALTERNATE USE OF CROSS-LINKED POLYETHYLENE MADE BY "PEX" OR APPROVED EQUIVALENT PER ASTM F876/877.ADSF
 - MAINTAIN A MINIMUM CLEARANCE OF 3'-0" IN FRONT OF ALL ELECTRICAL PANELS AND 1'-0" EITHER SIDE OF PANEL TO STRUCTURE. ALL PIPING SHALL BE ROUTED AROUND THIS AREA.
 - ALL HOT AND COLD DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" FLEXIBLE UNICELLULAR PIPING INSULATION. ALL JOINTS TO BE BONDED WITH ADHESIVE. ALL PIPING IN ATTIC AREAS SHALL BE INSULATED WITH 1" FIBERGLASS AND RUN AGAINST THE TRUSS OF THE CEILING BELOW SO AS TO STAY CLOSE TO THE WARM SURFACE AND THEN COVERED WITH A BLANKET OF FIBERGLASS INSULATION
 - ALL WATER PIPING SHOWN ROUTED IN EXTERIOR WALLS SHALL BE LOCATED INSIDE THE BUILDING INSULATION AND FINISHED WALL TO PREVENT FREEZE DAMAGE.
 - ALL ABOVE GRADE AND BELOW GRADE DWV PIPING SHALL BE SCHEDULE 40 PVC.
 - NON COMBUSTIBLE PIPING IS REQUIRED IN FIRE RATED WALLS AND IN PLENUM SPACES. THIS IS FOR ALL PIPING - WATER, WASTE, VENT AND STORM.
 - ALL SANITARY PIPING AND VENT PIPING LOCATED IN FIRE RATED WALL SHALL BE CAST IRON OR COPPER. COORDINATE LOCATIONS WITH ARCHITECT.
 - PROVIDE CLEANOUTS AT THE BASE OF ALL SANITARY DRAINAGE, PROCESS WASTE, AND RAIN WATER CONDUCTORS.
 - DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS.
 - PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.
 - PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED TO MAINTAIN THEIR RATING. FIRE STOP PRODUCTS TO INCLUDE HILTI, 3M, OR APPROVED EQUAL.
 - ALL STUB INS AND/ OR SLAB OR WALL PENETRATION TO BE PER NFPA. ALL PIPING PENETRATIONS OF BUILDING FOUNDATIONS OR FOOTING SHALL BE SLEEVED.
 - PLUMBING CONTRACTOR SHALL FURNISH ACCESS PANEL, TO BE INSTALLED BY THE GENERAL CONTRACTOR, AS REQUIRED FOR PLUMBING SYSTEM INSTALLATIONS.
 - ALL PIPING AND WATER HEATER SUPPORTS MUST MEET THE MANUFACTURERS' STANDARDIZATION SOCIETY SP-69. ALL THREADED ROD DIAMETERS SHALL BE 3/8" DIAMETER MINIMUM AND SUPPORTS SHALL BE SPACED IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE. NO SEISMIC SUPPORTS ARE REQUIRED IF PIPING IS LESS THAN 1.5 INCHES IN DIAMETER AND IS HUNG WITHIN 12" OF CEILING SUPPORT STRUCTURE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIGGING OF THE TRENCHES REQUIRED FOR THE UNDERGROUND PIPING AS INDICATED ON THE DRAWINGS WITH 4 FEET OF EXTERIOR WALL OUTSIDE THE BUILDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER BACKFILLING OF ALL TRENCHING AND TAMPING SO THAT SLABS CAST ABOVE THE LINES SHALL BE ADEQUATELY SUPPORTED. TRENCHES SHALL BE GRADED EVENLY ACCORDING TO THE STANDARD OF BEST PRACTICE SUCH THAT PIPE IS UNIFORMLY SUPPORTED.
 - PRESSURE TESTING OF THE SUPPLY WATER AND DWV SYSTEMS SHALL BE DONE IN ACCORDANCE WITH THE IPC AND LOCAL INSPECTION REQUIREMENTS.
 - ALL POTABLE WATER SYSTEM PIPING, FITTINGS AND FIXTURES SHALL BE STERILIZED AND FLUSHED PRIOR TO USE IN ACCORDANCE WITH THE LATEST EDITION OF AMERICAN WATER WORKS ASSOCIATION STANDARDS.
 - PLUMBING CONTRACTOR SHALL PROVIDE BACTERIOLOGICAL REPORT FOR THE WATER SUPPLY PRIOR TO REQUESTING FINAL INSPECTION.
 - THE CONTRACTOR IS RESPONSIBLE TO VERIFY THAT THE COLD WATER SUPPLY FROM THE WATER MAIN HAS A BACK FLOW PREVENTOR INSTALLED BEFORE CONNECTING THE SUPPLY PIPING. IF NOT THE CONTRACTOR SHALL INSTALL BACKFLOW PREVENTION DEVICE. THE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED PER LOCAL CODE & PER AUTHORITY HAVING JURISDICTION REQUIREMENTS.
 - PLUMBING CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES TO PLUMBING EQUIPMENTS OF ELECTRICALLY OPERATED EQUIPMENT PRIOR TO PURCHASING EQUIPMENT.
 - ALL NATURAL GAS PIPING SHALL MEET THE MOST CURRENT EDITION OF THE NATURAL GAS CODE AND INTERNATIONAL MECHANICAL CODE. STEEL PIPING IS THE STANDARD FOR THIS DESIGN BUT OTHER FLEXIBLE AND PLASTIC PIPING MAY BE UTILIZED IF INSTALLED PER MANUFACTURERS' STANDARDS AND ARE ACCEPTABLE FOR LOCAL CODES. OUTSIDE STORAGE OF ANY PLASTIC PIPING SHALL BE RESTRICTED PER MANUFACTURERS' STANDARDS. INSTALLING PLASTIC NATURAL GAS PIPING IN AREAS OF HIGH LIGHT INTENSITY OR HEAT SOURCES SHALL NOT BE ALLOWED.
 - PORTIONS OF A GAS PIPING SYSTEM INSTALLED IN CONCEALED LOCATIONS SHALL NOT HAVE UNIONS, TUBE FITTINGS OR RUNNING THREADS.
 - PAINT ALL EXTERIOR ROUTED NATURAL GAS PIPING WITH 1 PRIMER COAT, 2 FINAL COATS OF RUST INHIBITOR SAFETY YELLOW.
 - EXPPOSED PIPING SHALL BE IDENTIFIED BY A YELLOW LABEL MARKED "GAS" IN BLACK LETTERS. THE MARKING SHALL BE SPACED AT INTERVALS NOT EXCEEDING 5 FEET. ALL PIPING AND TUBING SYSTEMS, GREATER THAN 0.5-POUNDS PER SQUARE INCH SERVICE PRESSURE, SHALL BE IDENTIFIED BY A YELLOW LABEL WITH BLACK LETTERS INDICATING THE PIPING SYSTEM PRESSURE. THE SYSTEM SHALL BE MARKED AT THE BEGINNING, ALL ENDS AND AT INTERVALS NOT EXCEEDING 5 FEET ALONG ITS EXPOSED LENGTH.
 - NATURAL GAS PIPING IS SIZED FOR 2 PSI BLDG. SIDE GAS PRESSURE, CONTRACTOR TO VERIFY W/ GAS CO. FOR SVC. PRESSURE PROVIDED.
 - ALL ROOF DRAIN PIPING SHALL BE SCH. 40 PVC W/ 1" FIBERGLASS INSULATION WITH ALL SERVICE JACKET. IF PIPING IS ROUTED IN A PLENUM SPACE, PIPING SHALL BE SCH. 40 CAST IRON WITH 1" FIBERGLASS INSULATION.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MC	MECHANICAL CONTRACTOR
AHU	AIR HANDLING UNIT	MTD	MOUNTED
BFF	BELOW FINISHED FLOOR	NIC	NOT IN CONTRACT
BFP	BACKFLOW PREVENTER	NTS	NOT TO SCALE
BOP	BOTTOM OF PIPE	NG	NATURAL GAS
CHWP	CHILLED WATER PUMP	ORD	OVERFLOW ROOF DRAIN
CHWR	CHILLED WATER RETURN	OVHD	OVERHEAD
CHWS	CHILLED WATER SUPPLY	PC	PLUMBING CONTRACTOR
CONT	CONTINUATION	PRV	PRESSURE REDUCING VALVE
CO	CLEAN OUT	RD	ROOF DRAIN
COORD	COORDINATE	RD	ROOF DRAIN
CW	COLD WATER	SS	SANITARY SEWER
DN	DOWN	T&P	TEMPERATURE & PRESSURE
FD	FLOOR DRAIN	TYP	TYPICAL
FCO	FLOOR CLEAN OUT	TW	TEMPERED HOT WATER
FS	FLOOR SINK	V	VENT
GC	GENERAL CONTRACTOR	VTR	VENT THRU ROOF
GPH	GALLONS PER HOUR	W	WASTE
GPM	GALLONS PER MINUTE	W/	WITH
HB	HOSE BIBB	WCO	WALL CLEAN OUT
HD	HUB DRAIN	WH	WATER HEATER
HW	HOT WATER	WHA	WATER HAMMER ARRESTER
HWR	HEATING HOT RECIRCULATION	WHD	WALL HYDRANT
IE	INVERT ELEVATION	YCO	YARD CLEANOUT

NOT ALL ABBREVIATIONS ARE USED

PLUMBING LEGEND & SYMBOLS

----	HOT WATER (DOMESTIC)		TEMPERATURE/PRESSURE RELIEF VALVE
----	SANITARY WASTE PIPING		RELIEF/SAFETY VALVE
----	SANITARY VENT PIPING		GAS COCK
----	COLD WATER (DOMESTIC)		FLOOR DRAIN
----	NATURAL GAS PIPING		FLOOR CLEANOUT
----	WALL CLEANOUT		FLOOR SINK
----	HOT WATER RETURN (DOMESTIC)		PIPE RISING UP
----	CONDENSATE DRAIN PIPING		PIPE DROPPING DOWN
----	GREASE WASTE PIPING		WATER HAMMER ARRESTER
----	TEMPER WATER 105°F		CONCENTRIC REDUCER
----	WALL HYDRANT OR HOSE BIBB		UNION - SCREWED OR FLANGED
----	GATE VALVE		PUMP
----	BALL VALVE		GAS PRESSURE REGULATOR
----	PRESSURE REDUCING VALVE (PRV)		GAS PRESSURE REGULATOR

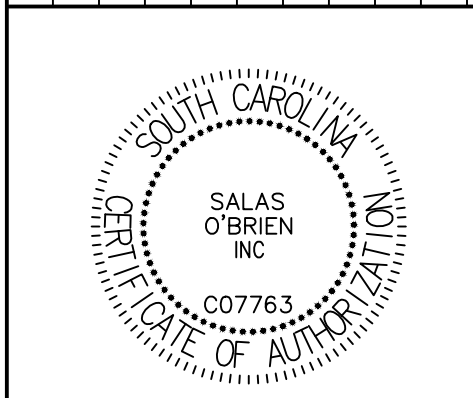
PLUMBING FIXTURE SCHEDULE

ITEM	DESCRIPTION	FIXTURE	WASTE	VENT	HOT SUPPLY	COLD SUPPLY
WC-1A	AMERICAN STANDARD CADET 3, 16-1/2"H, WHITE, VITREOUS CHINA, FLUSH TANK, 1.6 GPF, ELONGATED BOWL, OPEN FRONT SEAT WATER CLOSET OR EQUAL. TANK HANDLES SHALL BE ON RIGHT OR LEFT SIDE, TO MATCH THE WDE SIDE OF THE HANDICAPPED STALL OR EQUAL.	FLOOR MOUNTED WATER CLOSET FLUSH TANK (HANDICAP ACCESSIBLE)	4	2	-	1/2
LAV-1A	AMERICAN STANDARD LUCERNE, 20-1/2" x 18-1/4" SQUARE SINK, VITREOUS CHINA, WALL-HUNG LAVATORY WITH FAUCET HOLES ON 4" CENTERS W/ T&S BRASS SENSOR BATTERY ELECTRONIC FAUCETS DECK MOUNT FAUCET #EC-3104-VF05,, ANGLE STOP SUPPLIES WITH TUBES & ESCUTOHEONS, P-TRAP AND J.R. SMITH CONCEALED ARM CARRIER. MOUNT TOP OF RIM 34" AFF OR EQUAL WITH A.D.A. APPROVED, PREMOLDED INSULATED COVERS FOR WASTE & SUPPLIES BELOW LAVATORY.	WALL HUNG LAVATORY (HANDICAP ACCESSIBLE)	2	1 1/2	1/2	1/2
JS-1	FIAT FLOOR MOUNTED MSBID2424, FAUCET- 830-AA W/ VACUUM BREAKER, HOSE & HOSE BRACKET #832-AA, MOP BRACKET 889-CC, BUMPERGUARDS #1239BB & MSG2424 WALL GUARDS - STAINLESS STEEL OR EQUAL.	MOP SINK	3	1 1/2	3/4	3/4
HS-1	HAND SINK PROVIDED BY OWNER AND INSTALLED BY PLUMBER. REFER TO EQUIPMENT LIST.	HAND SINK	2	1 1/2	1/2	1/2
SINK-1	3 COMPARTMENT SINK BY OWNER AND INSTALLED BY PLUMBER. REFER TO EQUIPMENT LIST.	3-COMP SINK	2	1 1/2	1/2	1/2
MV-1	ACORN MV17 THERMOSTATIC MIXING VALVE (ASSE 1070 RATED), 105°F OUTLET TEMP., 0.5 GPM OR EQUAL.	THERMOSTATIC MIXING VALVE	-	-	SEE PLAN	SEE PLAN
WH-1	AO SMITH, MODEL: ACT-1991-N, COMMERCIAL CONDENSING INDOOR GAS TANKLESS WATER HEATER, GAS REQUIREMENTS 199 MBH.	TANKLESS WATER HEATER	-	-	3/4	3/4
WHD	WOODFORD #65, AUTOMATIC DRAINING, FREEZEPROOF WALL HYDRANT WITH ANTI-SIPHON VACUUM BREAKER AND LOOSE TEE KEY OR EQUAL.	EXTERIOR WALL HYDRANT	-	-	-	3/4
RP-1	"TACO" RECIRCULATION PUMP, MODEL NO. 006, 4 GPM, 1/40 HP @ 3250 RPM, 115/1/60 OR EQUAL.	DOMESTIC HOT WATER RECIRCULATION PUMP	-	-	-	3/4
GT-1	35 GPM FLOW RATE, 70 LB GREASE CAPACITY BY OTHER INSTALLED BY PLUMBING CONTRACTOR. BASIS OF DESIGN ASHLAND POLYTRAP. PROVIDE TRAFFIC RATED COVER.	GREASE INTERCEPTOR	3	-	-	-
FCO	FLOOR CLEANOUT - ZURN MODEL ZN-1400, WITH SATIN BRONZE TOP, ADJUSTABLE CAST IRON HOUSING, PVC TAPERED PLUG AND OUTLET CONNECTION TO MATCH PIPING. PROVIDE CLAMPING FLANGE FOR FLOORS HAVING A WATERPROOF MEMBRANE OR EQUAL. SIZE AS INDICATED ON DRAWINGS.	FLOOR CLEAN OUT	SEE PLAN	-	-	-
FD	FLOOR DRAIN - ZURN MODEL ZN-415, 6" TYPE B STRAINER, WITH CAST IRON HOUSING, ADJUSTABLE SATIN BRONZE TOP, CLAMPING COLLAR, AND OUTLET CONNECTION TO MATCH PIPING SIZE AS INDICATED ON DRAWINGS. INSTALL SURE SEAL INLINE 3" FLOOR DRAIN TRAP SEALER AS PER MANUFACTURER RECOMMENDATIONS OR EQUAL.	FLOOR DRAIN	3	1 1/2	-	-
HD	HUB DRAIN - ZURN MODEL Z1870, OUTLET CONNECTION TO MATCH PIPING SIZE AS INDICATED ON DRAWINGS. INSTALL SURE SEAL INLINE 3" FLOOR DRAIN TRAP SEALER AS PER MANUFACTURER RECOMMENDATIONS OR EQUAL.	HUB DRAIN	3	1 1/2	-	-
WCO	WALL CLEANOUT-ZURN MODEL Z-1441-A-BP WITH BRASS PLUG AND STAINLESS STEEL COVER OR EQUAL.	WALL CELANOUT	SEE PLAN	-	-	-
YCO	YARD CLEANOUT-ZURN MODEL Z-1456 WITH DECK PLUG AND O-RING SEAL. NICKEL BRONZE WITH POLISHED SCORIATED TOP OR EQUAL.	YARD CLEANOUT	SEE PLAN	-	-	-
FS	FLOOR SINK, ZURN MOD. ZN-1900, WADE W-9140, JOSAM 49040AS OR SMITH 3160, 12"x12"x8" DEEP W/ 3" OUTLET OR EQUAL.	FLOOR SINK	SEE PLAN	-	-	-
IMB	OATEY OR EQUAL	ICE MACHINE BOX	-	-	-	1/2

GENERAL PLUMBING FIXTURE NOTES: (THESE NOTES APPLY TO ALL APPLICABLE PLUMBING FIXTURES)

- ROUGH-IN ALL WASTE AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S APPROVED SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL HAVE SHUT-OFF VALVES.

DESCRIPTION	DATE	REV	ISSUED FOR APPROVAL
	04-20-26	A	



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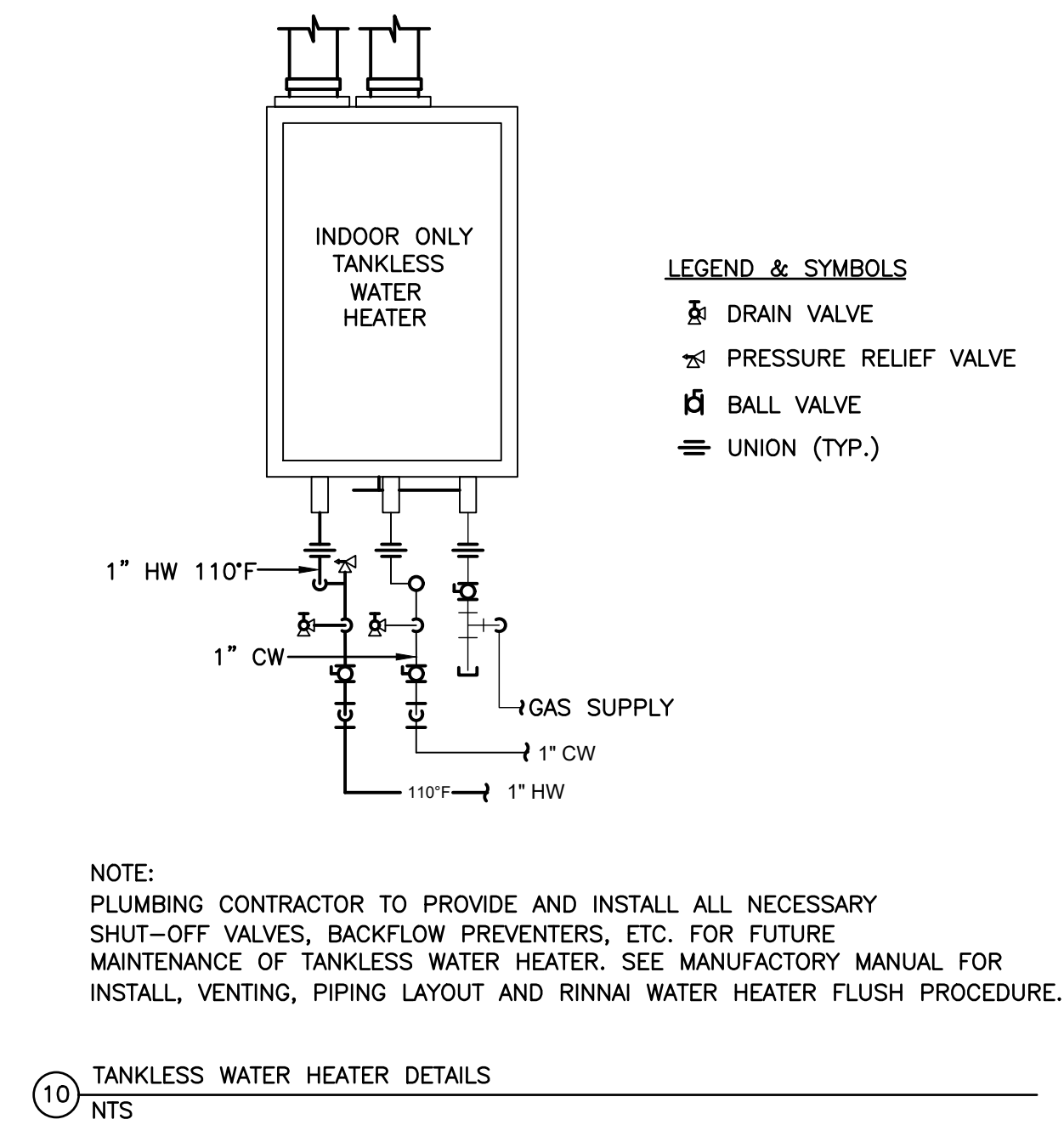
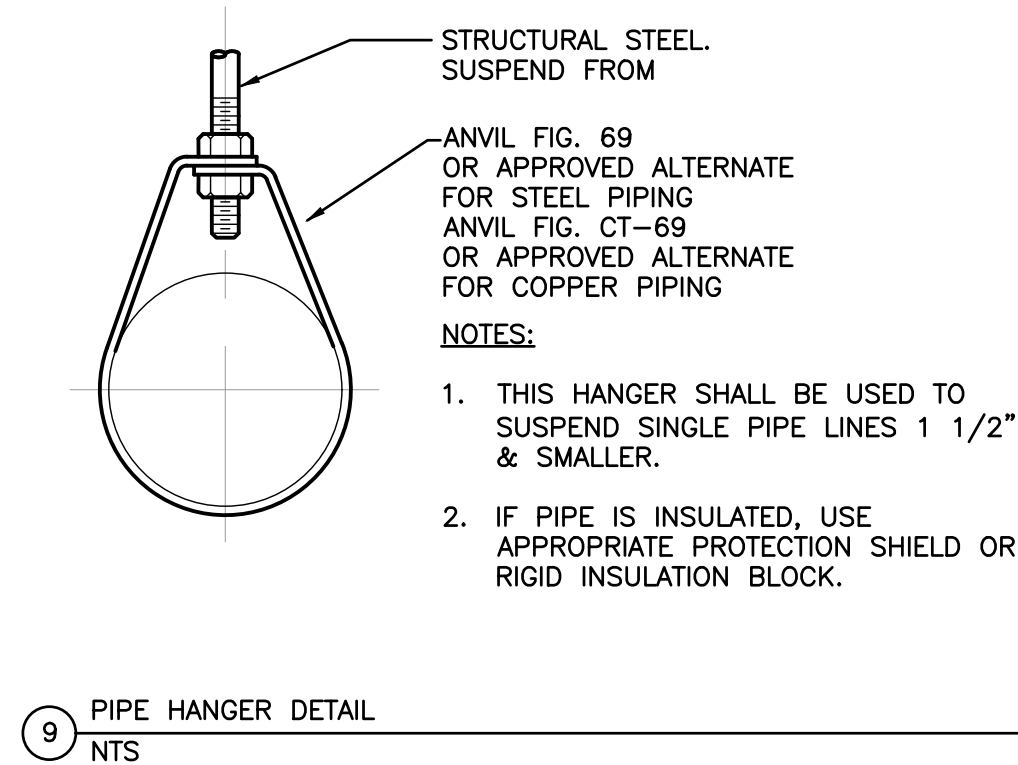
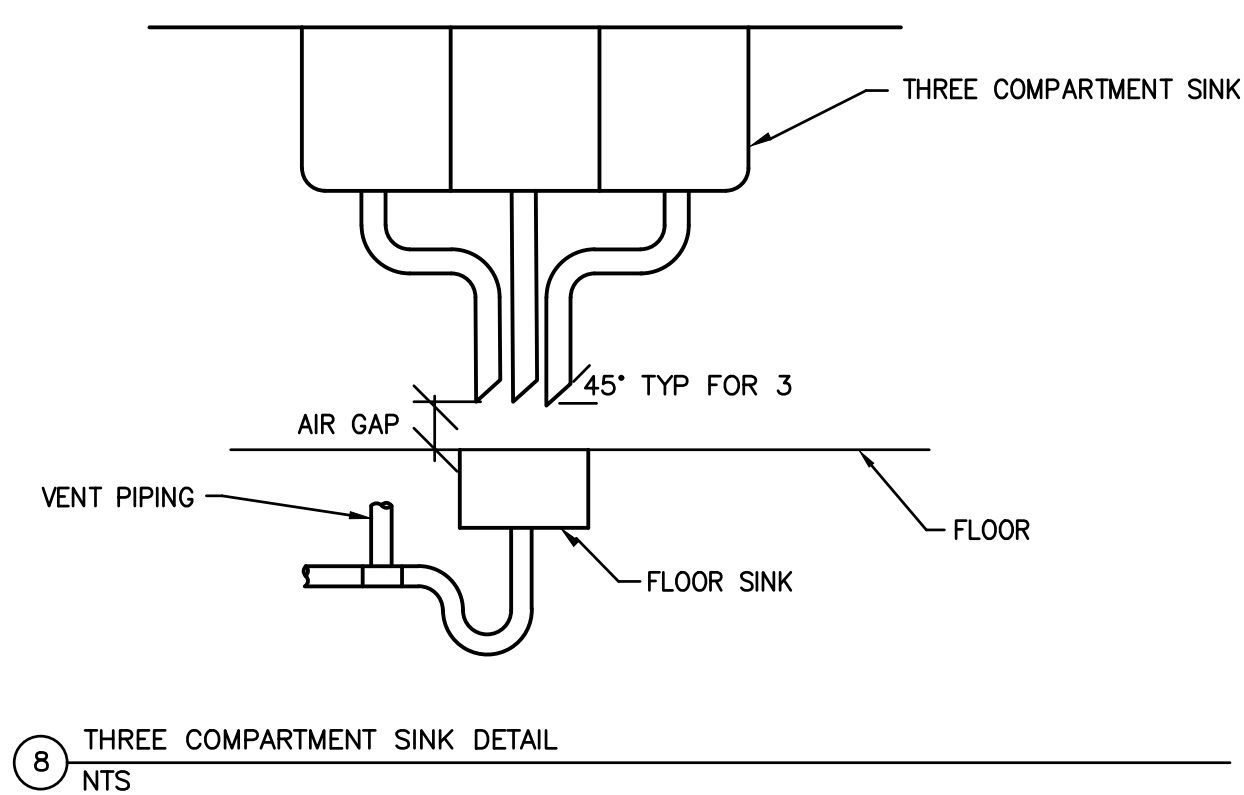
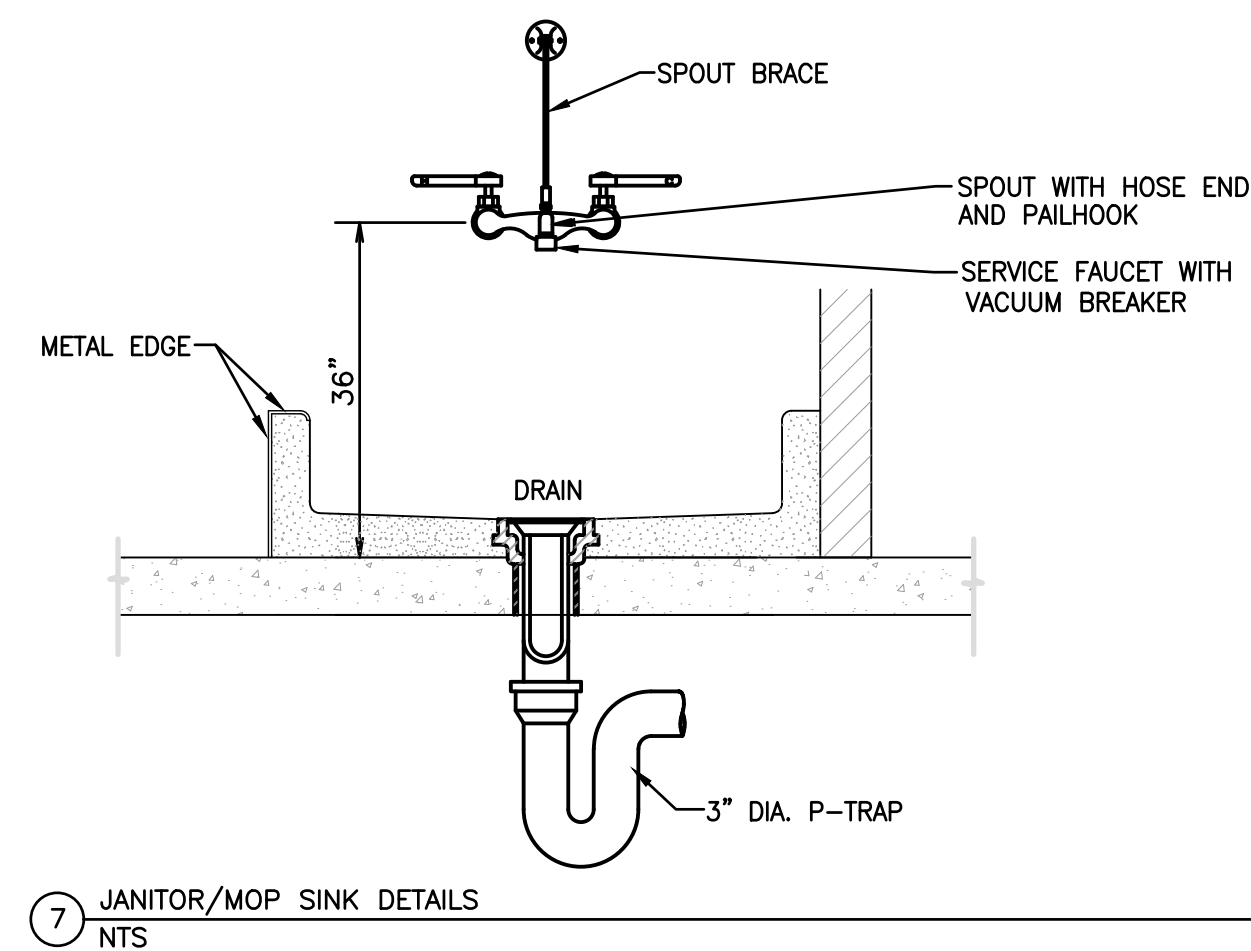
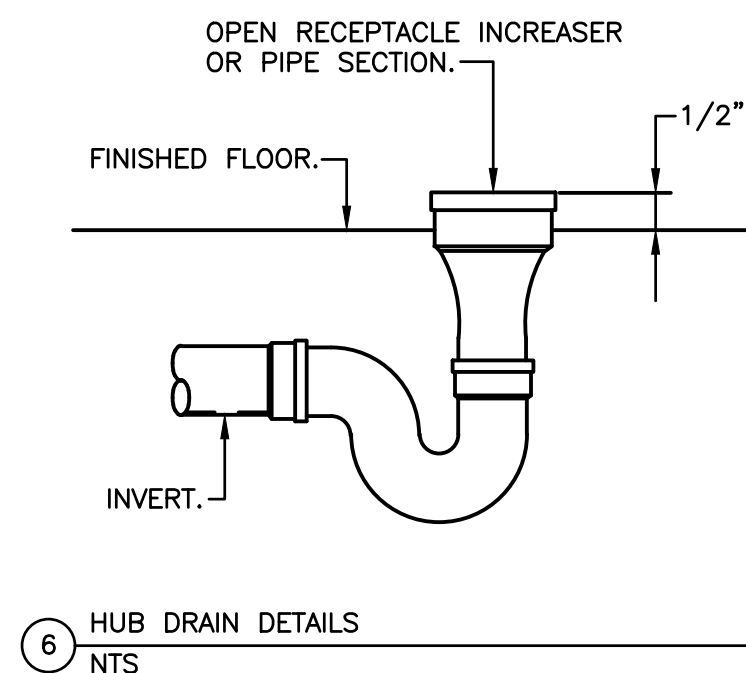
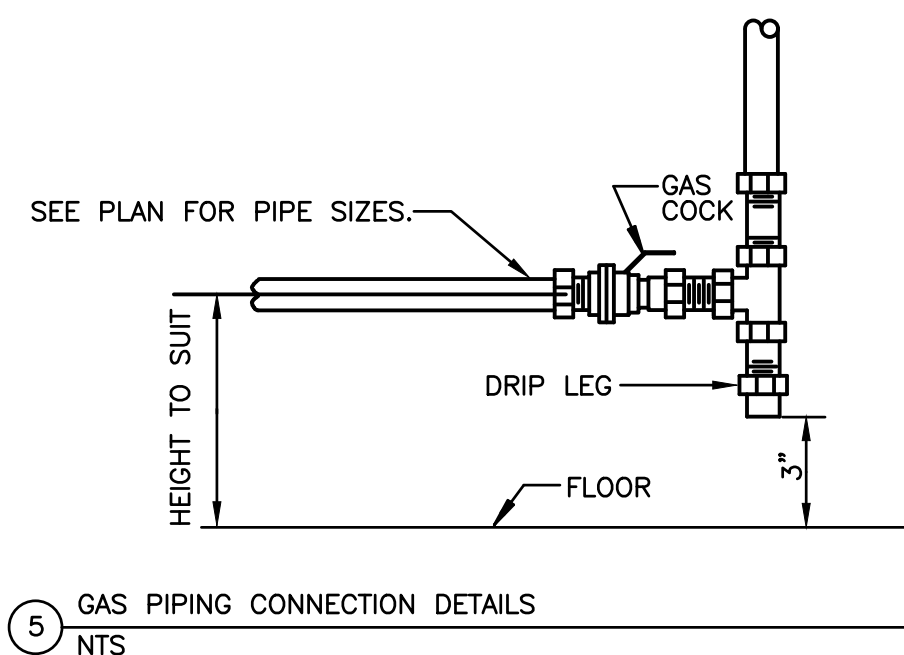
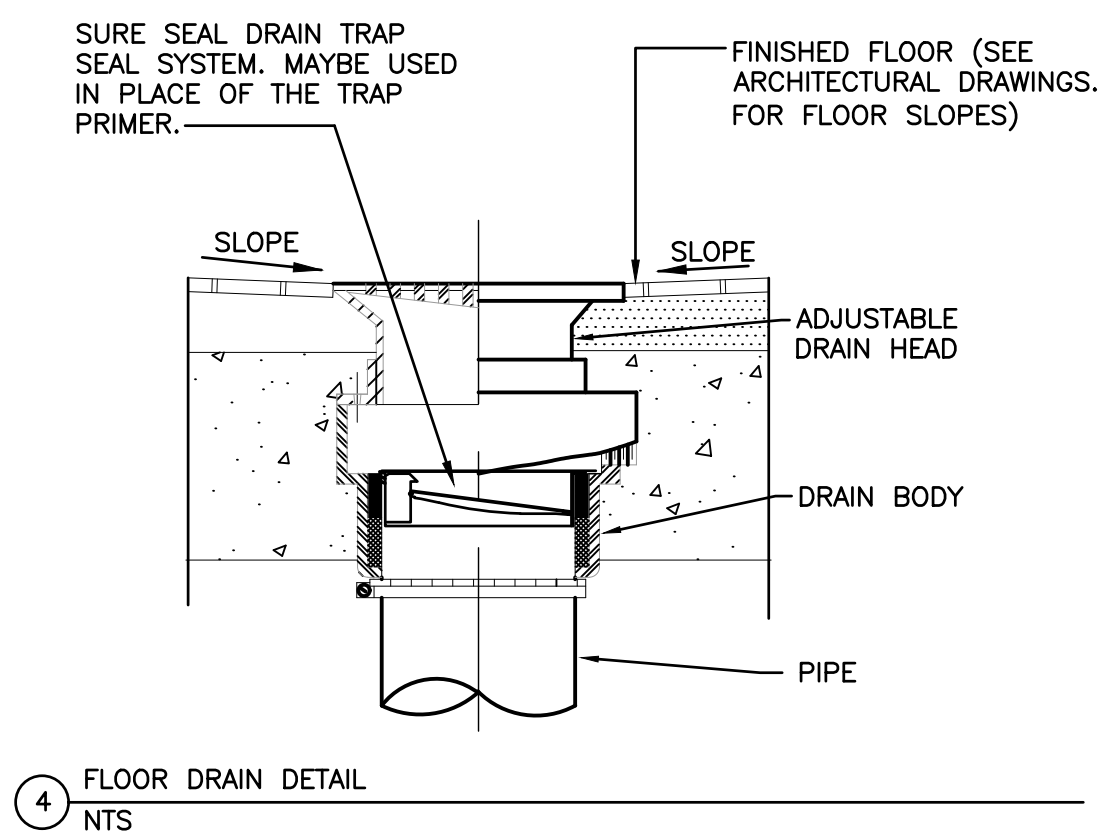
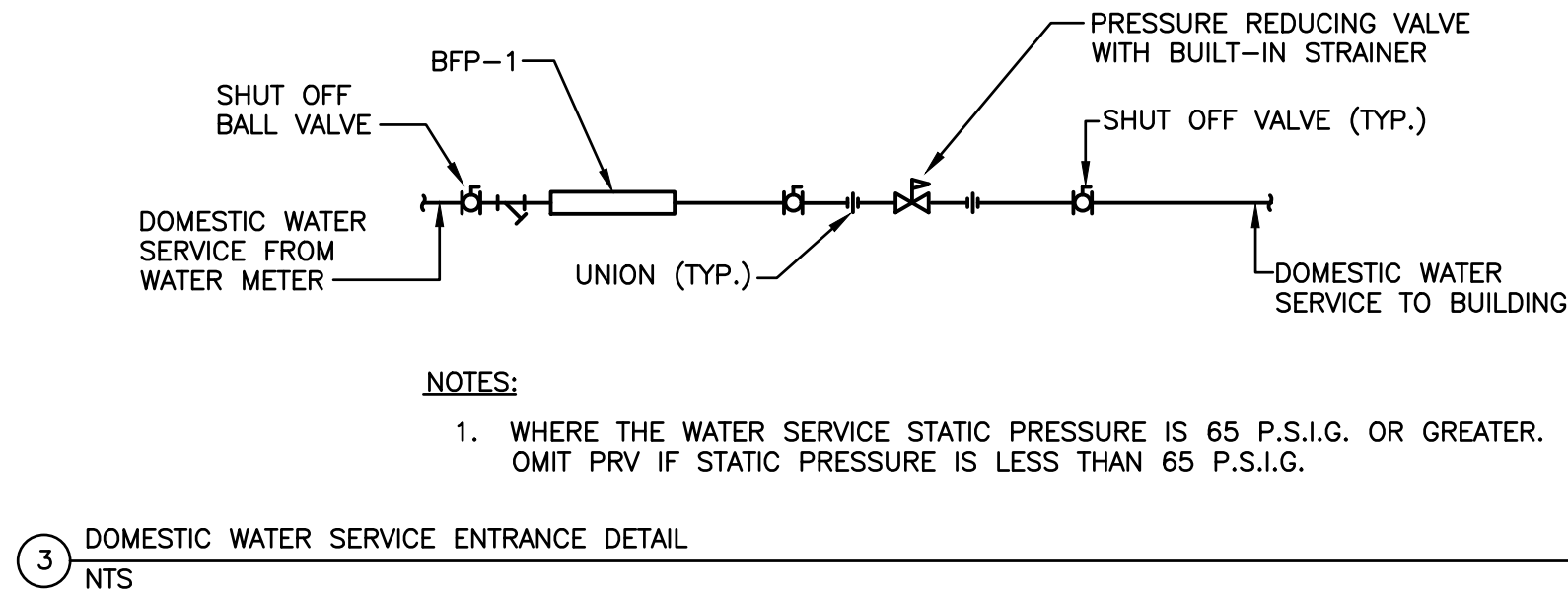
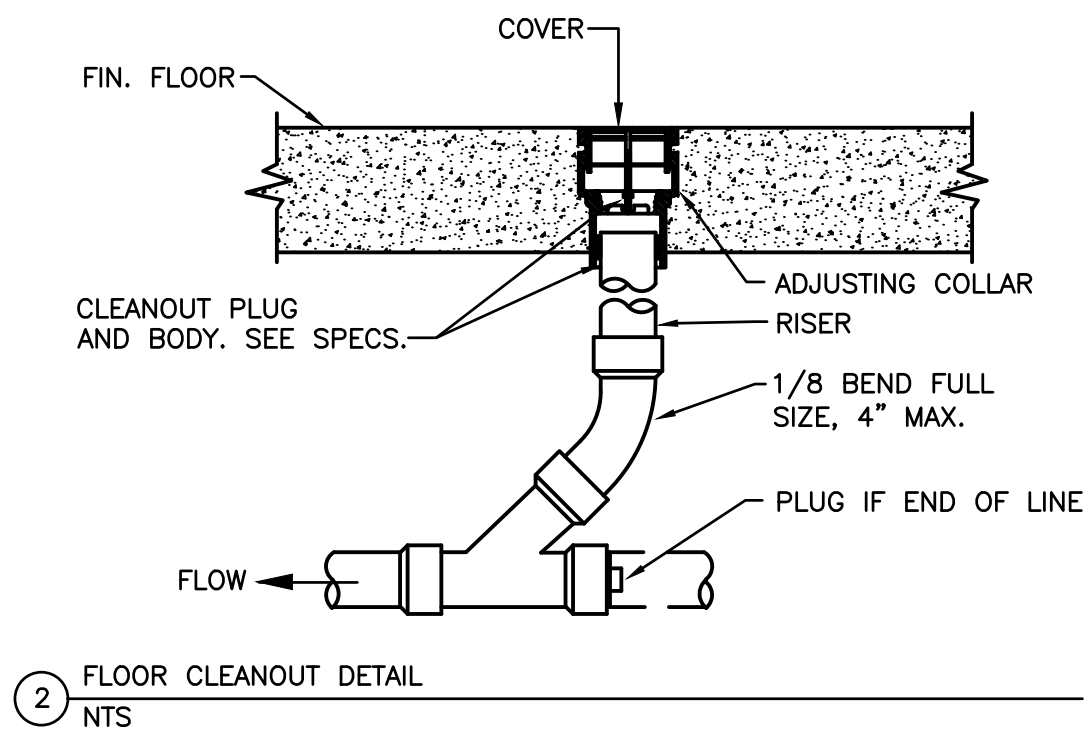
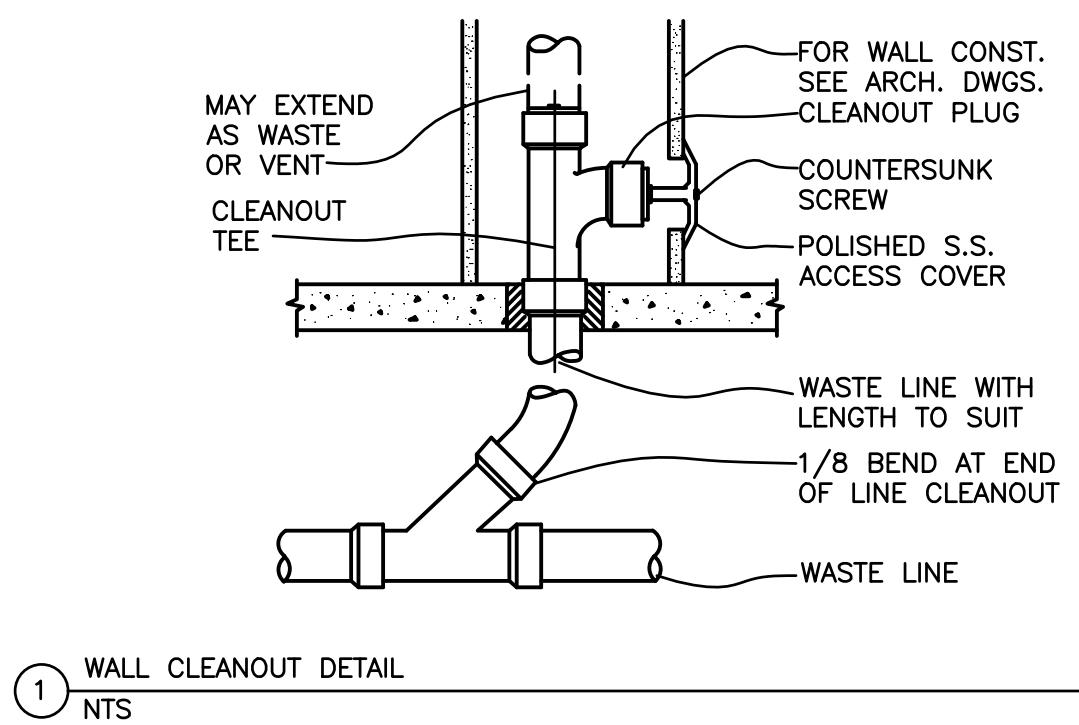
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SCHEDULES &
NOTES

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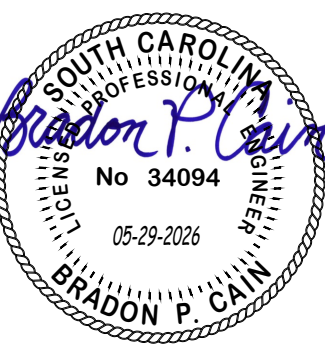
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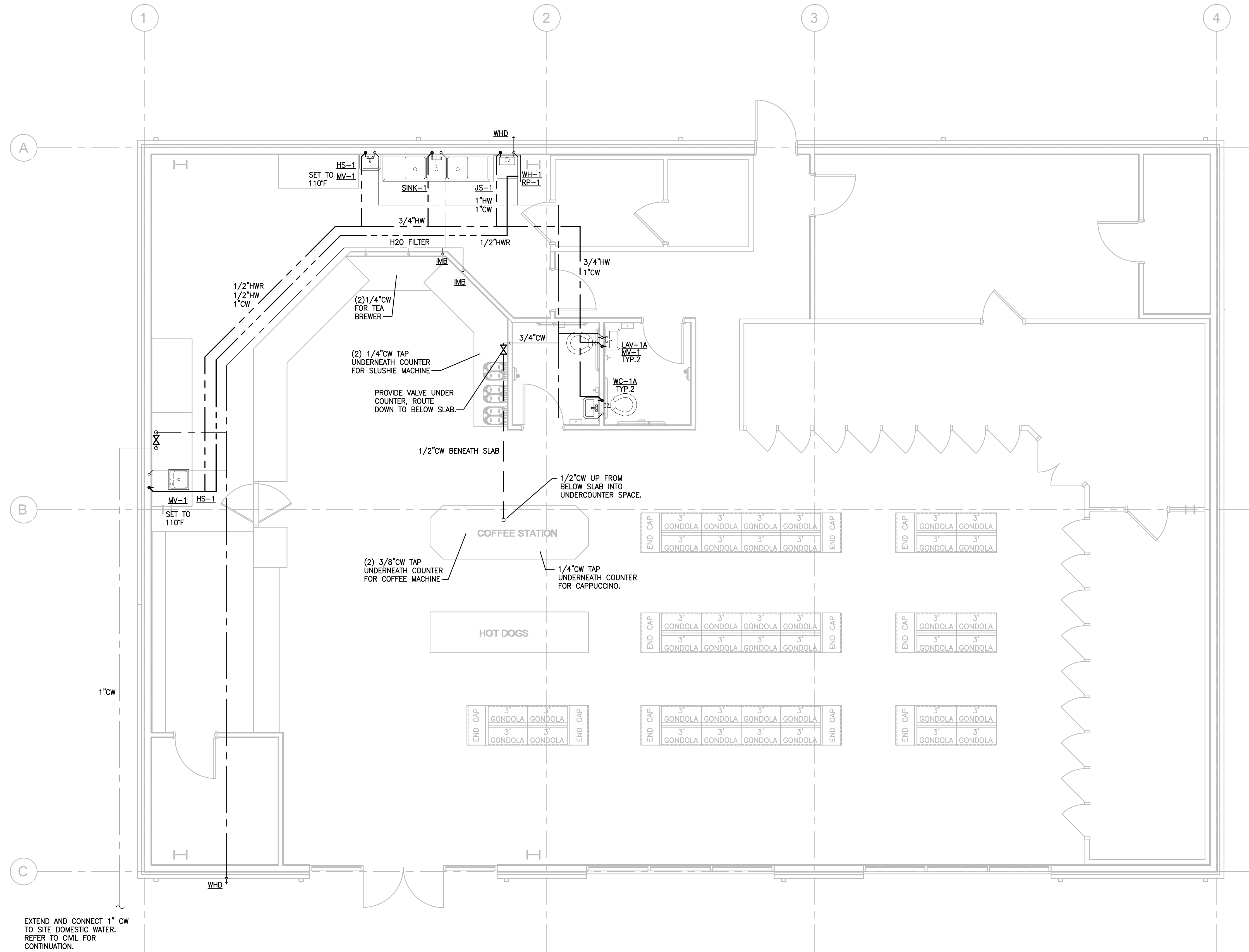
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DETAILS

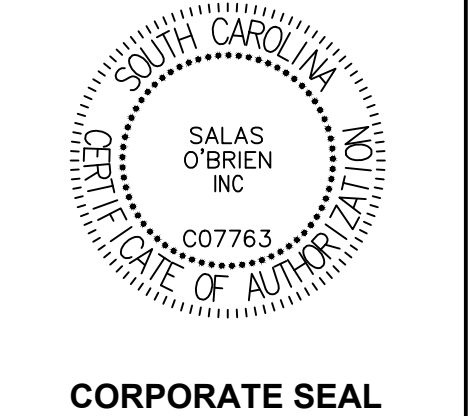
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1 PLUMBING PLAN DOMESTIC WATER
1/4" = 1'-0"

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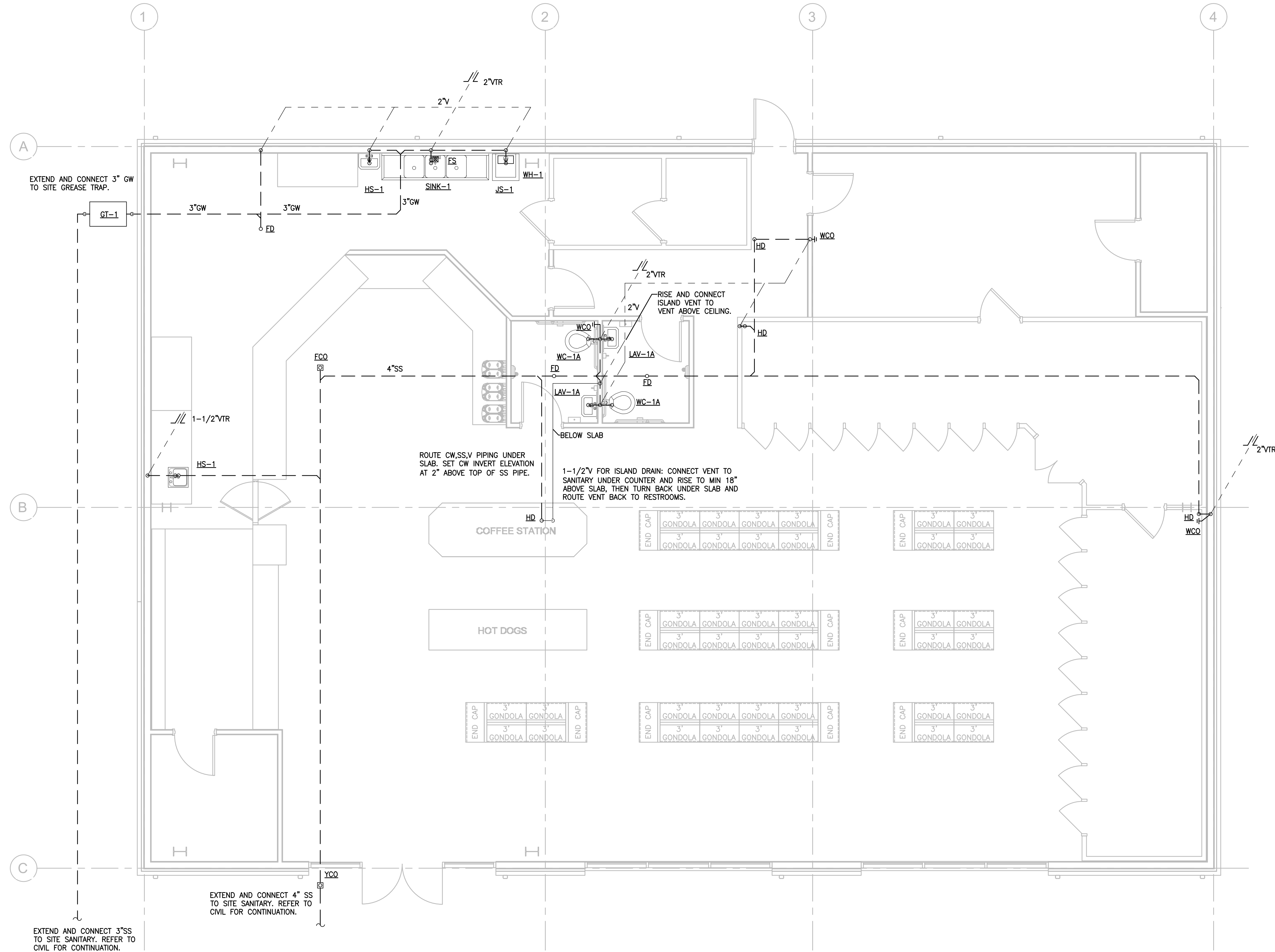
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PLAN WATER**

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1 PLUMBING PLAN SANITARY AND VENT
1/4" = 1'-0"

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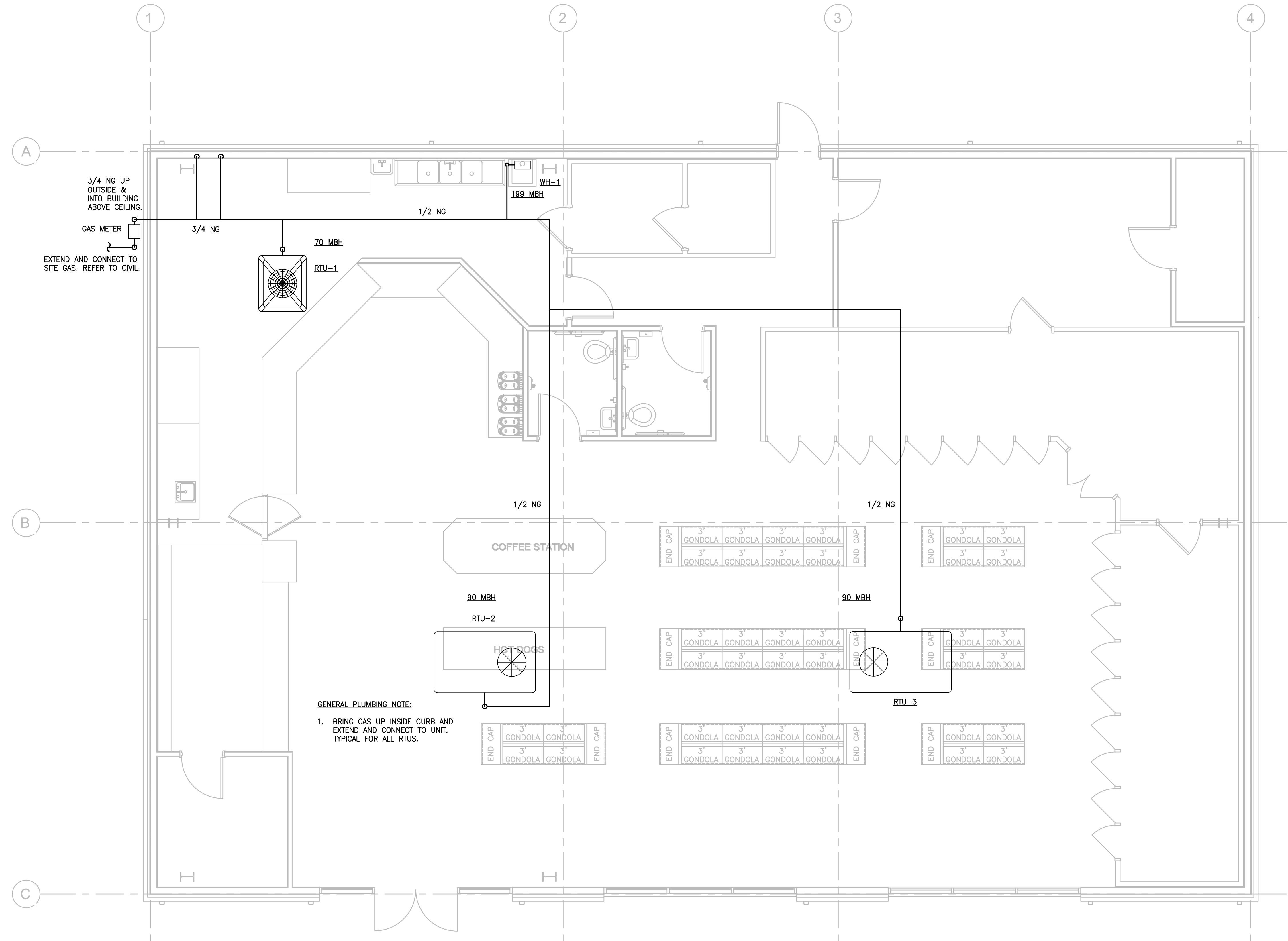
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PLUMBING
PLAN SEWER
& VENT

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1 PLUMBING PLAN NATURAL GAS
1/4" = 1'-0"

NATURAL GAS PIPING NOTES

1. ALL NATURAL GAS PIPING SHALL MEET THE MOST CURRENT EDITION OF THE NATURAL GAS CODE AND INTERNATIONAL MECHANICAL CODE. STEEL PIPING IS THE STANDARD FOR THIS DESIGN BUT OTHER FLEXIBLE AND PLASTIC PIPING MAY BE UTILIZED IF INSTALLED PER MANUFACTURERS' STANDARDS AND ARE ACCEPTABLE FOR LOCAL CODES. OUTSIDE STORAGE OF ANY PLASTIC PIPING SHALL BE RESTRICTED PER MANUFACTURERS' STANDARDS. INSTALLING PLASTIC NATURAL GAS PIPING IN AREAS OF HIGH LIGHT INTENSITY OR HEAT SOURCES SHALL NOT BE ALLOWED.
2. PORTIONS OF A GAS PIPING SYSTEM INSTALLED IN CONCEALED LOCATIONS SHALL NOT HAVE UNIONS, TUBE FITTINGS OR RUNNING THREADS.
3. PAINT ALL EXTERIOR ROUTED NATURAL GAS PIPING WITH 1 PRIMER COAT, 2 FINAL COATS OF RUST INHIBITOR SAFETY YELLOW.
4. EXPOSED PIPING SHALL BE IDENTIFIED BY A YELLOW LABEL MARKED "GAS" IN BLACK LETTERS. THE MARKING SHALL BE SPACED AT INTERVALS NOT EXCEEDING 5 FEET. ALL PIPING AND TUBING SYSTEMS, GREATER THAN 0.5-POUNDS PER SQUARE INCH SERVICE PRESSURE, SHALL BE IDENTIFIED BY A YELLOW LABEL WITH BLACK LETTERS INDICATING THE PIPING SYSTEM PRESSURE. THE SYSTEM SHALL BE MARKED AT THE BEGINNING, ALL ENDS AND AT INTERVALS NOT EXCEEDING 5 FEET ALONG ITS EXPOSED LENGTH.
5. NATURAL GAS PIPING IS SIZED FOR 2 PSI BLDG. SIDE GAS PRESSURE, CONTRACTOR TO VERIFY W/ GAS CO. FOR SVC. PRESSURE PROVIDED.

OVERALL NATURAL GAS PIPING INFORMATION

TOTAL LOAD	745 MBH
MAX LENGTH	100 FT
INLET PRESSURE	2.0 PSI
PRESSURE DROP	1.0 PSI
SPECIFIC GRAVITY	0.60
PIPE	SCH. 40 METALLIC

NATURAL GAS LOAD SCHEDULE

EQUIPMENT TAG	MANUF.	NATURAL GAS (MBH)
WH-1	AO SMITH	199
FRYER 1	PITCO	110
FRYER 2	PITCO	110
RTU-1	TRANE	80
RTU-2	TRANE	80
RTU-3	TRANE	80

*NOTES: DESIGN FOR NATURAL GAS PIPING IS BASED ON INLET PRESSURE OF 2.0 PSI, PRESSURE DROP OF 1.0 PSI, AND SPECIFIC GRAVITY OF 0.60. IF THIS IS NOT AVAILABLE ON THE SITE, OR EXISTING CONDITIONS DIFFER, CONTACT ENGINEER TO MAKE CHANGES NECESSARY.

MAXIMUM GAS PIPING LENGTH APPROXIMATELY: 100'-0"	
TOTAL	745

DESCRIPTION

DATE

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PLAN GAS

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Envelope Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**

Project Title:

Project Type: New Construction

Construction Site:

Owner/Agent:

Designer/Contractor:

Building Location (for weather data):

Gaffney, South Carolina

Climate Zone:

3a

Vertical Glazing / Wall Area Pct.:

9%

Building Use: Activity Type(s)**Floor Area**

1-Retail : Nonresidential

4320

Section 2: Envelope Assemblies and Requirements Checklist

Envelope PASSES: Design 4% better than code.**Envelope Assemblies:**

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor ^(a)
Roof: Attic Roof with Wood Joists, [Bldg. Use 1 - Retail]	4320	38.0	0.8	0.026	0.027
Floor: Slab-On-Grade:Unheated, [Bldg. Use 1 - Retail]	260	---	---	---	---
Exterior Wall - West Wall: Wood-Framed, 16" o.c., [Bldg. Use 1 - Retail]	722	19.0	3.6	0.052	0.089
Exterior Wall - East Wall: Wood-Framed, 16" o.c., [Bldg. Use 1 - Retail]	722	19.0	3.6	0.052	0.089
Exterior Wall - South Wall: Wood-Framed, 16" o.c., [Bldg. Use 1 - Retail]	1017	19.0	3.6	0.052	0.089
Door (105): Insulated Metal, Non-Swinging, [Bldg. Use 1 - Retail]	21	---	---	0.131	1.450
Exterior Wall - North Wall: Wood-Framed, 16" o.c., [Bldg. Use 1 - Retail]	532	19.0	3.6	0.052	0.089
Exterior Wall - North Wall - Nichiha Wall 1: Wood-Framed, 16" o.c., [Bldg. Use 1 - Retail]	191	19.0	2.6	0.055	0.089
Storefront (SF-2): Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID N/A, SHGC 0.40, PF 0.50, [Bldg. Use 1 - Retail] (b)	140	---	---	0.350	0.600
Exterior Wall - North Wall - Nichiha Wall 2: Wood-Framed, 16" o.c., [Bldg. Use 1 - Retail]	191	19.0	2.6	0.055	0.089
Storefront (SF-1): Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Retail] (b)	93	---	---	0.350	0.600
Exterior Wall - North Wall - Nichiha Wall 3: Wood-Framed, 16" o.c., [Bldg. Use 1 - Retail]	191	19.0	2.6	0.055	0.089
Storefront (SF-1): Metal Frame Curtain Wall/Storefront, Perf. Specs.: Product ID N/A, SHGC 0.40, [Bldg. Use 1 - Retail] (b)	93	---	---	0.350	0.600

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- ☐ 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
- ☐ 2. Windows, doors, and skylights certified as meeting leakage requirements.

- ☐ 3. Component R-values & U-factors labeled as certified.
 - ☐ 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
 - ☐ 5. 'Other' components have supporting documentation for proposed U-Factors.
 - ☐ 6. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.
 - ☐ 7. Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
 - ☐ 8. Cargo doors and loading dock doors are weather sealed.
 - ☐ 9. Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
 - ☐ 10. Building entrance doors have a vestibule equipped with self-closing devices.
- Exceptions:*
- ☐ Building entrances with revolving doors.
 - ☐ Doors not intended to be used as a building entrance.
 - ☐ Doors that open directly from a space less than 3000 sq. ft. in area.
 - ☐ Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.
 - ☐ Doors opening directly from a sleeping/dwelling unit.

Section 3: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2009 IECC requirements in COMcheck Version 4.1.5.5 and to comply with the mandatory requirements in the Requirements Checklist.

Albert H. Eleazer Architect

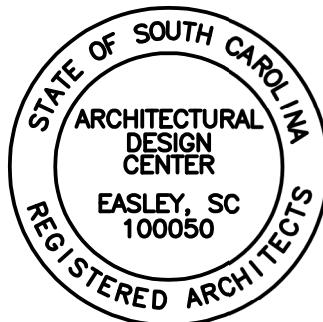
Name - Title

Albert H. Eleazer, Jr.

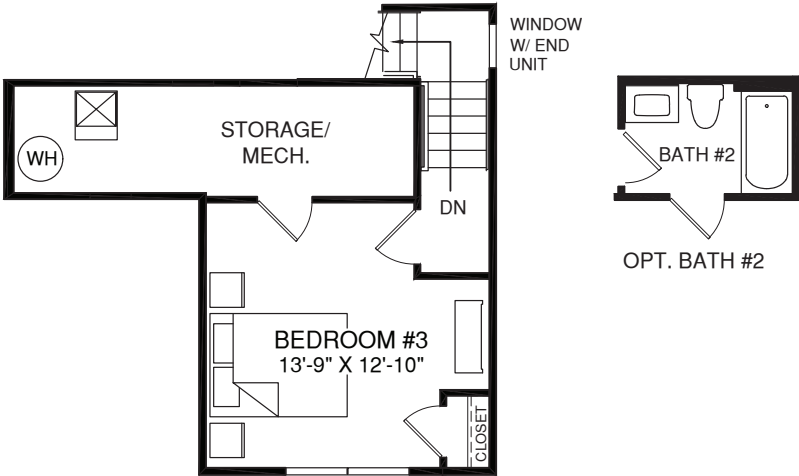
Signature

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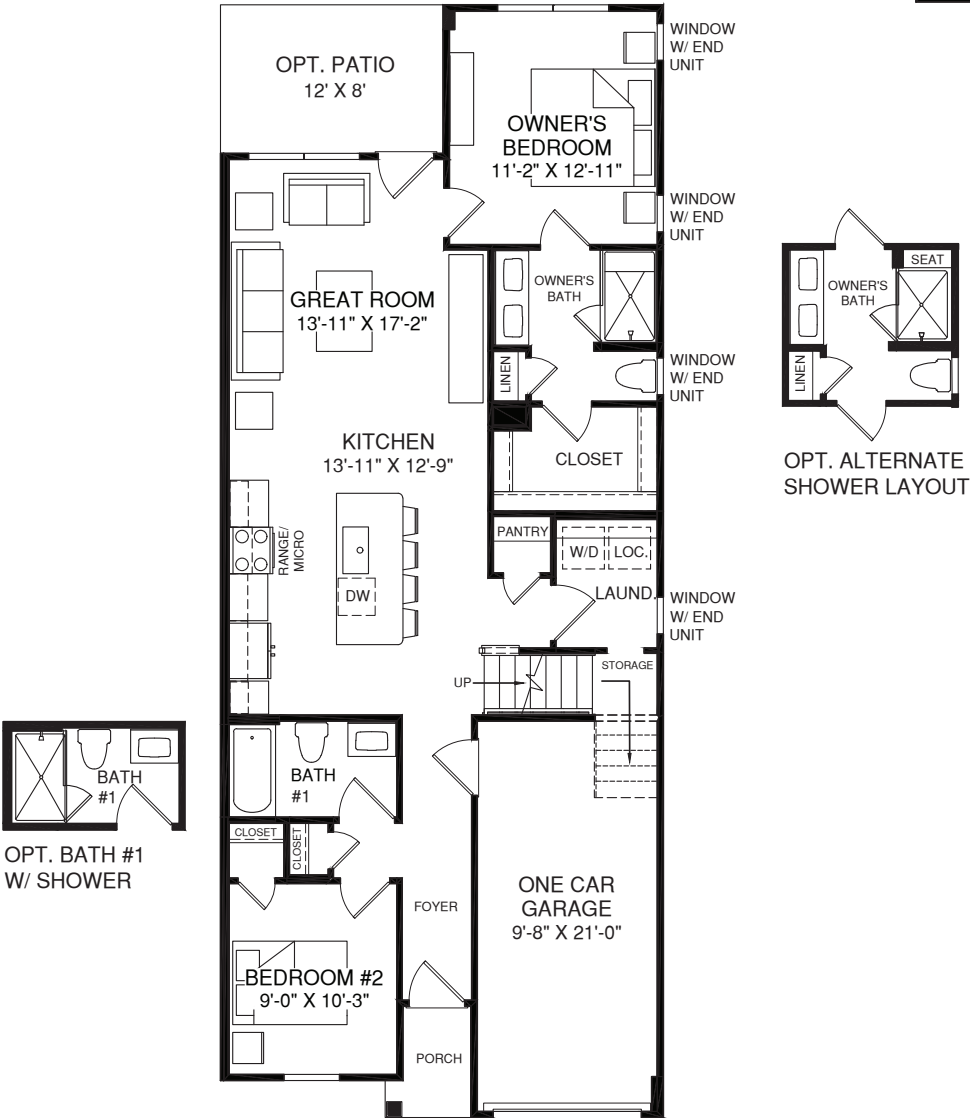
Date



DUNMORE



UPPER LEVEL



MAIN LEVEL



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Elevations shown are artist's concepts. Floor plans may vary per elevation. Ryan Homes reserves the right to make changes without notice or prior obligation.

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Elevations shown are artist's concepts. Floor plans may vary per elevation. Ryan Homes reserves the right to make changes without notice or prior obligation.



RY0526DNM00v01 CRSL Corp Lake



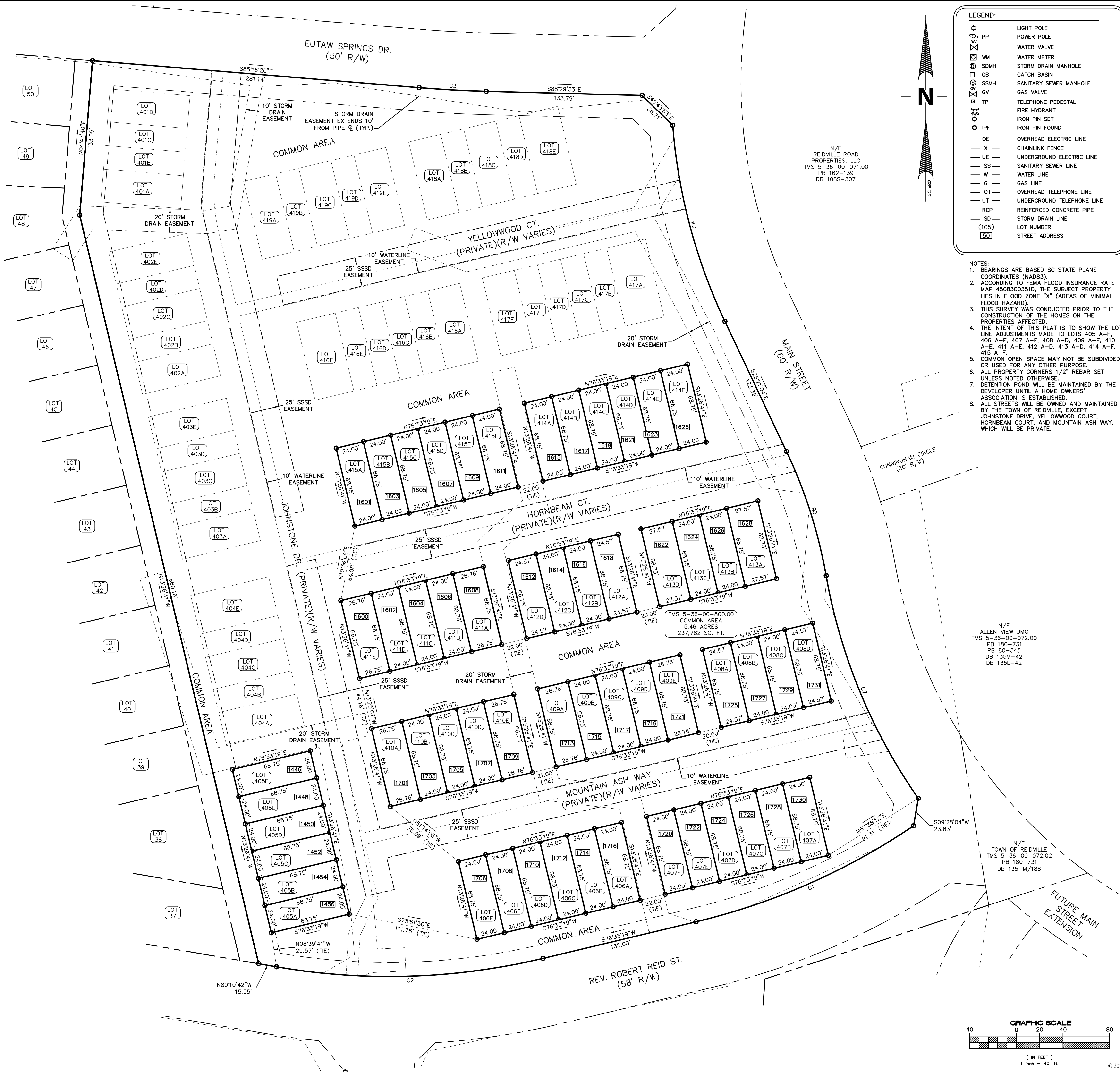
LOCATION MAP - N.T.S.

REFERENCE DOCUMENTS		
TAX PARCEL	PLAT	DEED
5-36-00-061.10	BK. 180, PG. 144	BK. 134-B, PG. 274
5-36-00-061.11	BK. 180, PG. 144	BK. 134-B, PG. 274
5-36-00-065.00	BK. 179, PG. 135	BK. 124-J, PG. 682
5-36-00-065.01	BK. 179, PG. 986	BK. 124-J, PG. 682
5-36-00-071.00	BK. 162, PG. 139	BK. 108-S, PG. 307

CURVE TABLE					
CURVE #	RADIUS	DELTA	ARC	CHORD BEARING	CHORD
C1	567.00'	20°44'12"	205.21'	S66°11'13"W	204.09'
C2	567.00'	23°15'59"	230.24'	S88°11'19"W	228.67'
C3	1025.00'	3°13'13"	57.61'	S86°52'57"E	57.60'
C4	480.00'	20°53'19"	175.00'	S14°54'25"E	174.03'
C6	420.00'	15°19'03"	112.28'	S17°41'33"E	111.95'
C7	480.00'	24°52'02"	208.33'	S22°28'03"E	206.70'

PARCEL TABLE			PARCEL TABLE		
LOT #	ACRES	SQ. FT.	LOT #	ACRES	SQ. FT.
405F	0.04	1,650	410A	0.04	1,840
405E	0.04	1,650	411E	0.04	1,840
405D	0.04	1,650	411D	0.04	1,650
405C	0.04	1,650	411C	0.04	1,650
405B	0.04	1,650	411B	0.04	1,650
405A	0.04	1,650	411A	0.04	1,840
406E	0.04	1,650	412D	0.04	1,689
406D	0.04	1,650	412C	0.04	1,650
406C	0.04	1,650	412B	0.04	1,650
406B	0.04	1,650	412A	0.04	1,689
406A	0.04	1,650	413D	0.04	1,895
407F	0.04	1,650	413C	0.04	1,650
407E	0.04	1,650	413B	0.04	1,650
407D	0.04	1,650	413A	0.04	1,895
407C	0.04	1,650	414F	0.04	1,650
407B	0.04	1,650	414E	0.04	1,650
408D	0.04	1,689	414D	0.04	1,650
408C	0.04	1,650	414C	0.04	1,650
408B	0.04	1,650	414B	0.04	1,650
408A	0.04	1,689	414A	0.04	1,650
409E	0.04	1,840	415F	0.04	1,650
409D	0.04	1,650	415E	0.04	1,650
409C	0.04	1,650	415D	0.04	1,650
409B	0.04	1,650	415C	0.04	1,650
409A	0.04	1,840	415B	0.04	1,650
410E	0.04	1,840	415A	0.04	1,650
410D	0.04	1,650	406F	0.04	1,650
410C	0.04	1,650	407A	0.04	1,650
410B	0.04	1,650			

THE AREA INCLUDED IN THE SANITARY SEWER RIGHT-OF-WAY SHALL NOT BE FILLED IN, OR CUT DOWN IN ANY MANNER WHICH WOULD CAUSE THE RAISING OR LOWERING OF THE GROUND GRADE LEVEL BEYOND THE ELEVATION(S) WHICH EXIST AT THE TIME OF CONVEYANCE OF THE RIGHT-OF-WAY AND NO BUILDING(S) OR STRUCTURE(S) OF ANY KIND EITHER TEMPORARY OR PERMANENT, SHALL AT ANY TIME BE PLACED OR CONSTRUCTED WITHIN THE AREA OF THE SANITARY SEWER RIGHT-OF-WAY SHOWN. THE SPARTANBURG SANITARY SEWER DISTRICT SHALL CLEAR AND GRUB THE ENTIRE WIDTH OF THE RIGHT-OF-WAY AND EASEMENT ALONG ITS ENTIRE LENGTH AS SHOWN.

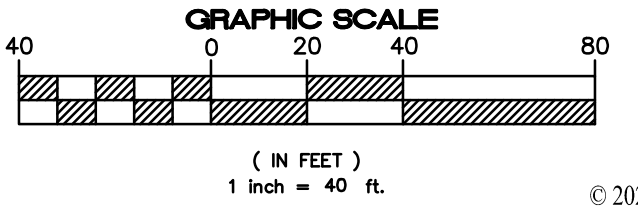


- LEGEND:
- PP POWER POLE
 - WM WATER METER
 - SDMH STORM DRAIN MANHOLE
 - CB CATCH BASIN
 - SSMH SANITARY SEWER MANHOLE
 - GV GAS VALVE
 - TP TELEPHONE PEDESTAL
 - FI FIRE HYDRANT
 - IPF IRON PIN FOUND
 - OE OVERHEAD ELECTRIC LINE
 - X CHAINLINK FENCE
 - UE UNDERGROUND ELECTRIC LINE
 - SS SANITARY SEWER LINE
 - W WATER LINE
 - G GAS LINE
 - OT OVERHEAD TELEPHONE LINE
 - UT UNDERGROUND TELEPHONE LINE
 - RCP REINFORCED CONCRETE PIPE
 - SD STORM DRAIN LINE
 - 105 LOT NUMBER
 - 50 STREET ADDRESS

- NOTES:
- BEARINGS ARE BASED SC STATE PLANE COORDINATES (NAD83).
 - ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 45083C0351D, THE SUBJECT PROPERTY LIES IN FLOOD ZONE "X" (AREAS OF MINIMAL FLOOD HAZARD).
 - THIS SURVEY WAS CONDUCTED PRIOR TO THE CONSTRUCTION OF THE HOMES ON THE PROPERTIES AFFECTED.
 - THE INTENT OF THIS PLAT IS TO SHOW THE LOT LINE ADJUSTMENTS MADE TO LOTS 405 A-F, 406 A-F, 407 A-F, 408 A-D, 409 A-E, 410 A-E, 411 A-E, 412 A-D, 413 A-D, 414 A-F, 415 A-F.
 - COMMON OPEN SPACE MAY NOT BE SUBDIVIDED OR USED FOR ANY OTHER PURPOSE.
 - ALL PROPERTY CORNERS 1/2" REBAR SET UNLESS NOTED OTHERWISE.
 - DETENTION POND WILL BE MAINTAINED BY THE DEVELOPER UNTIL A HOME OWNERS' ASSOCIATION IS ESTABLISHED.
 - ALL STREETS WILL BE OWNED AND MAINTAINED BY THE TOWN OF REIDVILLE, EXCEPT JOHNSTONE DRIVE, YELLOWWOOD COURT, HORNBEAM COURT, AND MOUNTAIN ASH WAY, WHICH WILL BE PRIVATE.

N/F
ALLEN VIEW UMC
TMS 5-36-00-072.00
PB 180-731
PB 80-345
DB 135M-42
DB 135L-42

N/F
TOWN OF REIDVILLE
TMS 5-36-00-072.02
PB 180-731
DB 135-M/188



PRELIMINARY

CERTIFICATE OF AUTHORIZATION

TRIAD SURVEYING, INC.

321 TUCKAHOE ROAD

DRYDEN, NC 28521-1482

REF. PLAT BOOK 183/456-459

REF. DEED BOOK 155-1/733

TAX MAP

PARTY CHIEF

JOANNA

SURVEY REQUESTED BY

RYAN HOMES, INC.

PROJECT INFORMATION:

PLAT OF LOT LINE ADJUSTMENT

FOR

REIDVILLE TOWN CENTER

TOWN OF REIDVILLE

SPARTANBURG COUNTY, SOUTH CAROLINA

LAST REVISED

DATE

DRAWN BY

PROJECT NO.

06/05/2026

05/19/2026

JAG

226.120

ADDED PARCEL INFO FOR

TMS 5-36-00-072.02

1

DATE

06/05/26

BY

JAG

REVISIONS

DESCRIPTION