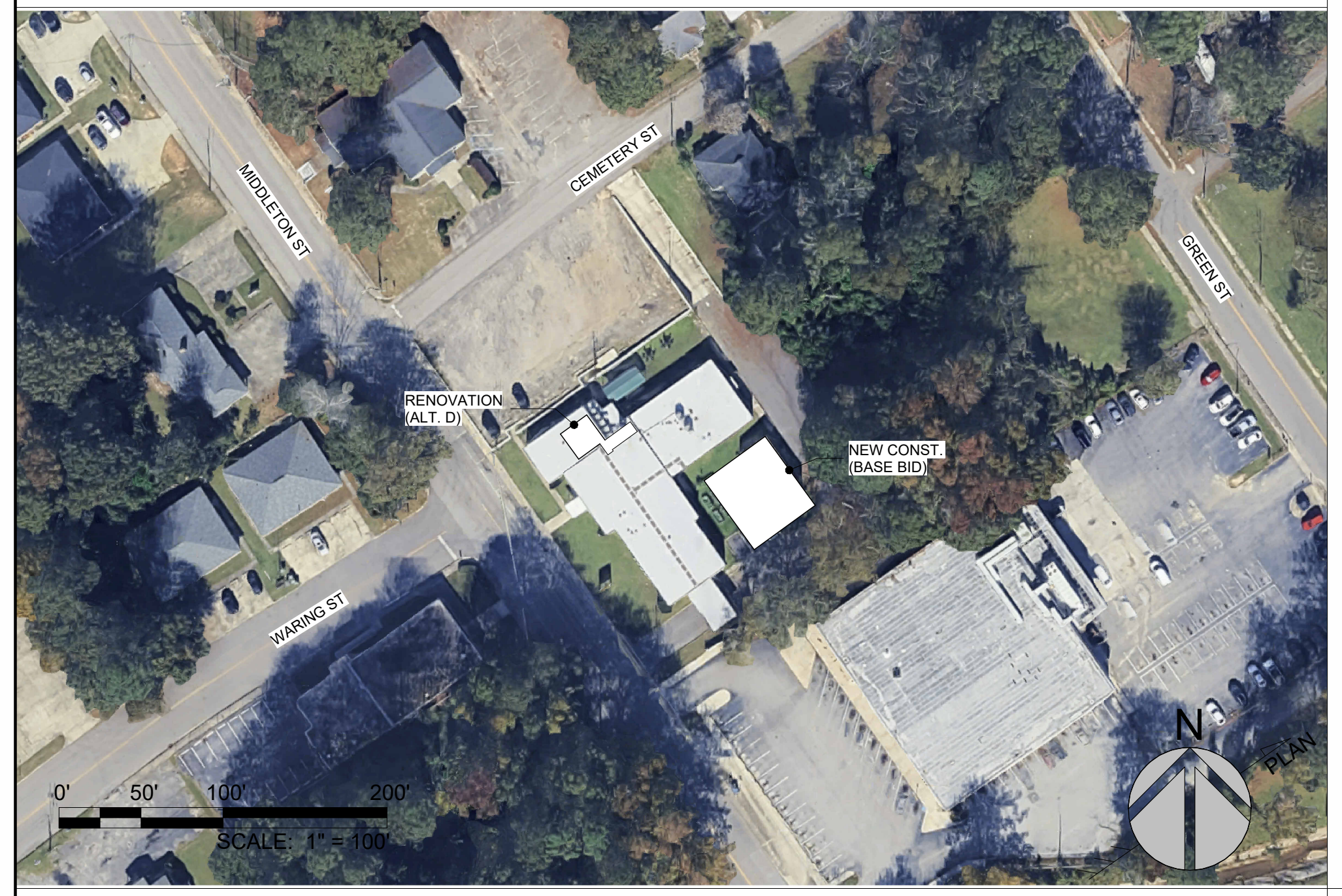
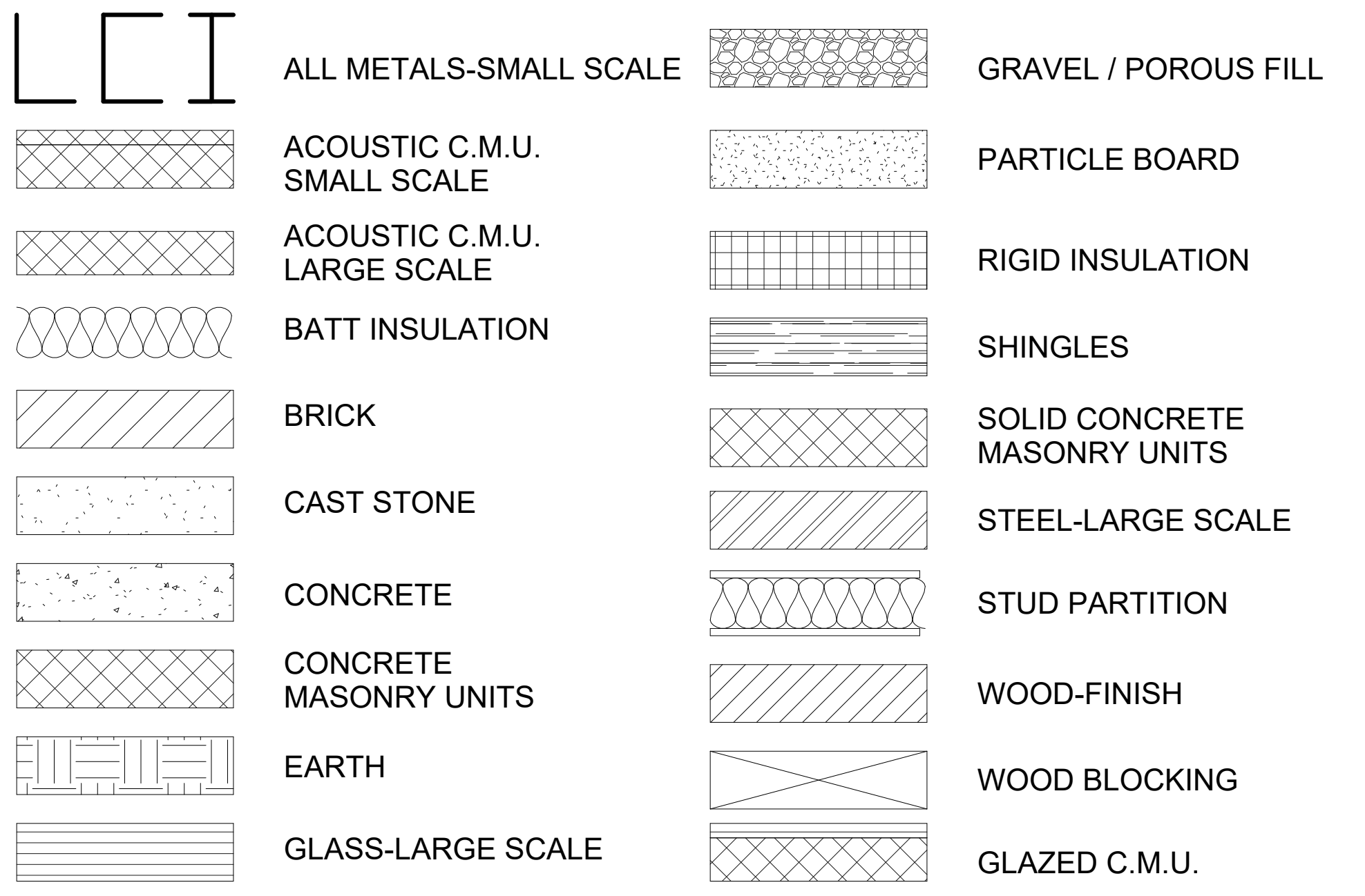
VICINITY MAP



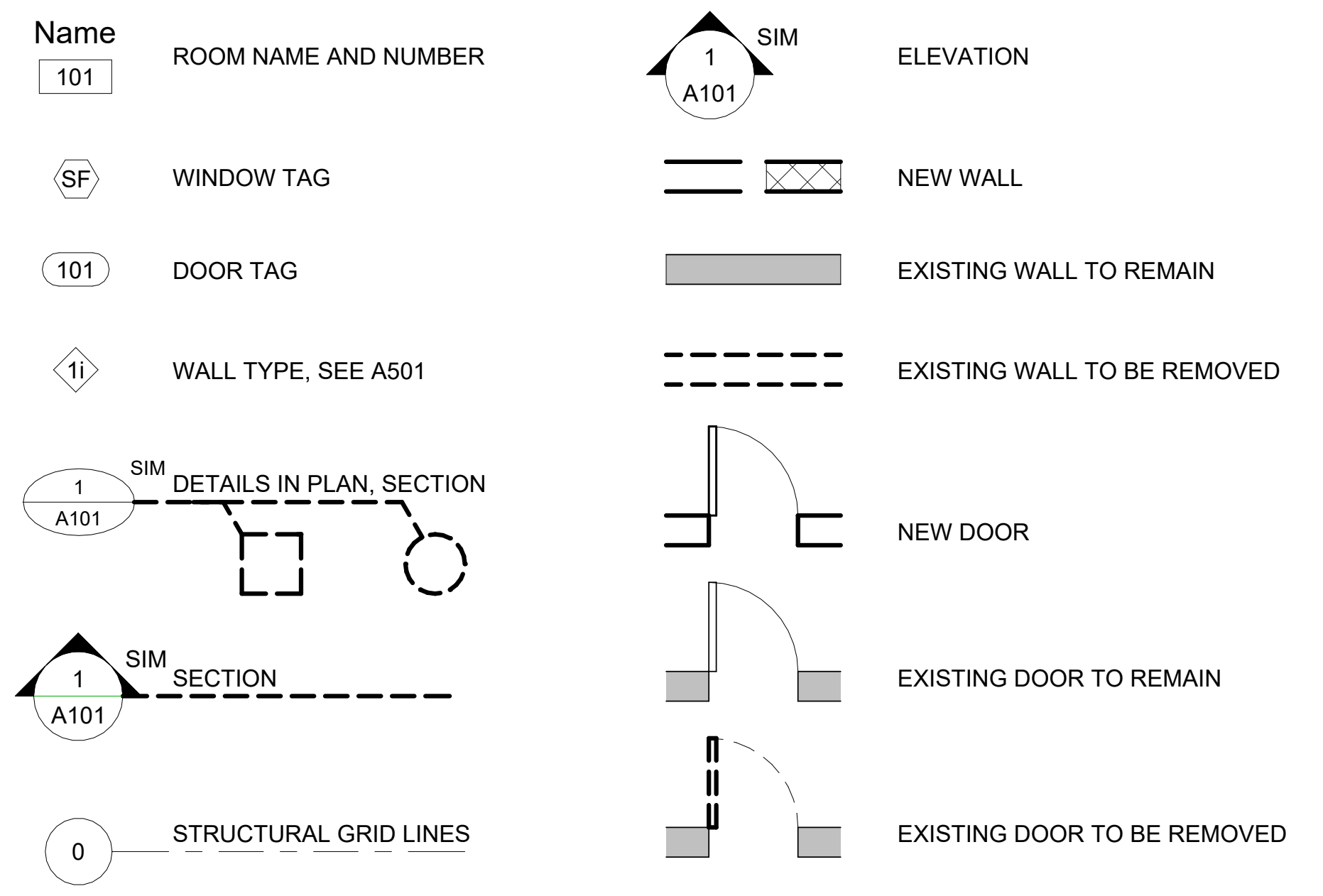
ABBREVIATIONS

AC	ACOUSTIC
ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISH FLOOR
AL	ALUMINUM
AP	ACCESS PANEL
ARGWB	ABUSE RESISTANT GYPSUM WALL BOARD
BD	BOARD
BLDG	BUILDING
BRG	BEARING
CAB	CABINET
CH	CEILING HEIGHT
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CPT	CARPET
CR	COLD ROLLED
CT	CERAMIC TILE
DA	DISTURBED AREA
DBL	DOUBLE
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DR	DOOR
DS	DOWNSPOUT
DW	DRYWALL
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRIC / ELECTRICAL
EP	EPOXY PAINT
EPX	EPOXY
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRICAL WATER COOLER
EXG	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FC	FIRE CODE
FCS	FIBER CEMENT SIDING
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FINF	FINISHED FLOOR
FON	FOUNDATION
FOS	FACE OF STUD
FRP	FIREGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FTG	FOOTING
FURR	FURRED (FURRING)
FV	FIELD VERIFY
FVC	FIRE VALVE CABINET
GA	GAUGE
GB	GRAB BAR
GWB	GYPSUM WALL BOARD
GYP	GYPSUM BOARD
HC	HANDICAPPED
HDW	HARDWARE
HM	HOLLOW METAL
HR	HOUR
HT	HEIGHT
ID	INSIDE DIAMETER
INSUL	INSULATION
JAN	JANITOR
JST	JOIST
JT	JOINT
LAM	LAMINATE
LAV	LAVATORY SINK
LVT	LUXURY VINYL TILE
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MAT	MATERIALS
MAX	MAXIUMUM
MC	MEDICINE CABINET
MECH	MECHANICAL
MET	METAL
MFR	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
MS	METAL SHELVING
MTD	MOUNTED
NC	NONCOMBUSTIBLE
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OPPOSITE HAND
OPG	OPENING
P-T	PRE-TREATED
PART	PARTITION
PL	PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLY	PLYWOOD
PNL	PANEL
PRV	POWER ROOF VENTILATOR
PT	PAINTED
RB	RUBBER (WALL BASE)
RD	ROOF DRAIN
REC	RECESSED
RECPT	RECEPTIONIST
REF	REFRIGERATOR
REQD	REQUIRED
RL	RAIN LEADER
RM	ROOM
RO	ROUGH OPENING
SD	SOAP DISPENSER
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SLS	STAINLESS STEEL
SM	SURFACE MOUNTED
SP	STAND PIPE
SS	SERVICE SINK
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPEND (SUSPENDED)
SYN	SYNTHETIC FLOOR
T&G	TONGUE & GROOVED
TEL	TELEPHONE
THLD	THRESHOLD
TOB	TOP OF BEARING
TOM	TOP OF MASONRY PARAPET
TP	TOILET PAPER HOLDER
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
USG	U.S. GYPSUM COMPANY

SYMBOLS OF MATERIALS



DRAWING KEYS

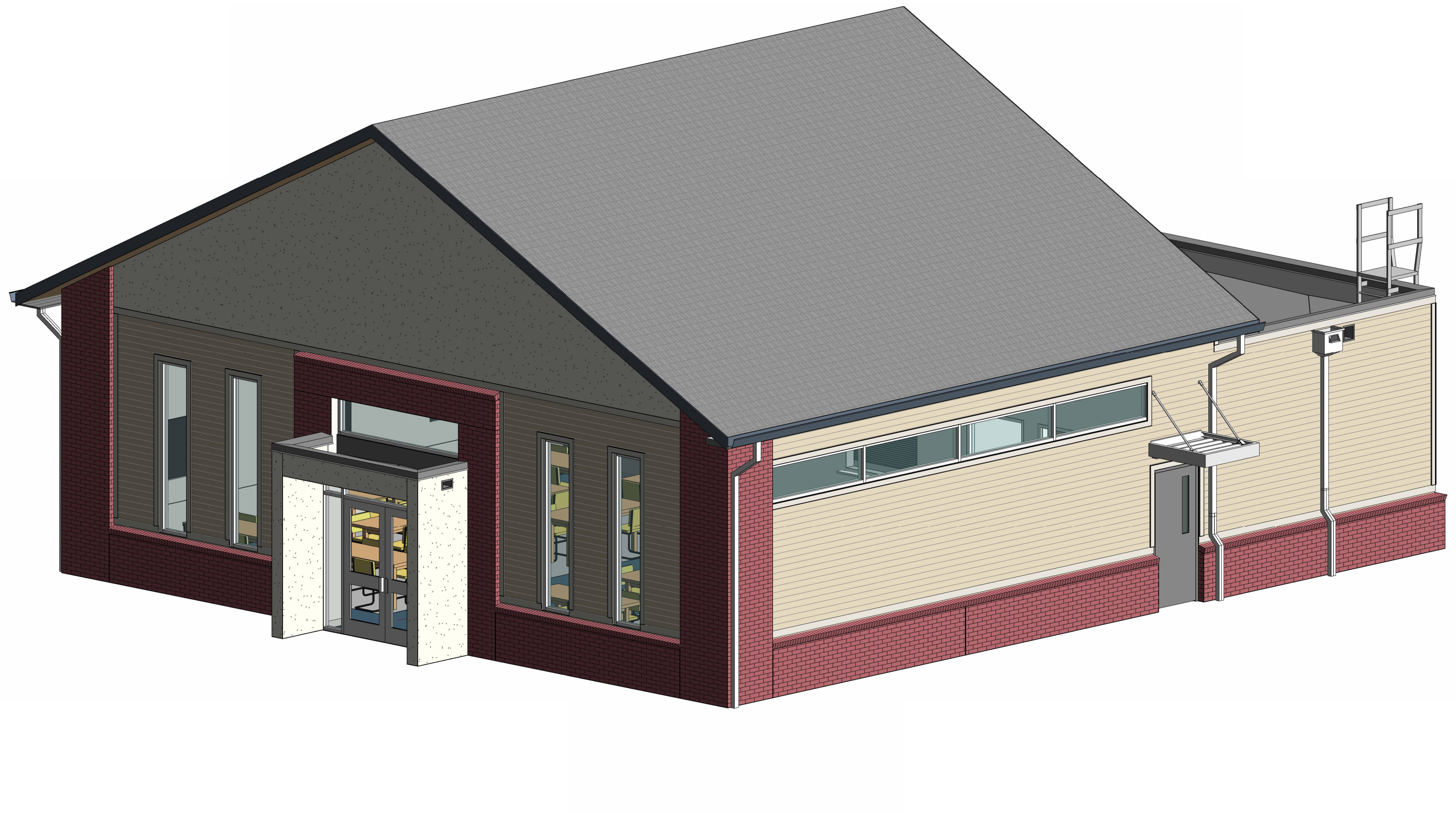


NEW CONSTRUCTION / RENOVATION OF

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

VIEW / RENDERING



DRAWING STATUS

CONSTRUCTION DOCUMENTS

07.31.2026

DESIGN TEAM

BECKER MORGAN GROUP, INC.	**ARCHITECT**
CASE CONSULTING, INC.	**STRUCTURAL**
MECA ENGINEERING (M/P) / GWA, INC. (E)	**MECHANICAL / PLUMBING / ELECTRICAL**
CHAO AND ASSOCIATES, INC.	**CIVIL / LANDSCAPE**

DRAWING LIST

SHEET NO.	**SHEET TITLE**
GENERAL	
G001	COVER SHEET
G101	BUILDING CODE SUMMARY
G102	LIFE SAFETY PLAN
CIVIL	
C100	EXISTING AND DEMOLITION PLAN
C200	SITE PLAN
C300	GRADING AND DRAINAGE PLAN
C400	UTILITY CONNECTION PLAN
C401	UTILITY PROFILES
C500	DETAILS
C501	DETAILS
STRUCTURAL	
S001	STRUCTURAL NOTES
S002	STRUCTURAL DETAILS
S100	FOUNDATION PLAN
S101	ROOF FRAMING PLAN
S200	STRUCTURAL SECTIONS
S201	STRUCTURAL SECTIONS
ARCHITECTURAL	
AD101	DEMOLITION PLAN
A001	CONSTRUCTION TYPES (EXTERIOR)
A002	CONSTRUCTION TYPES (INTERIOR)
A100	ARCHITECTURAL SITE PLAN
A101	FIRST FLOOR PLAN
A102	REFLECTED CEILING PLAN
A103	ROOF PLAN
A201	EXTERIOR ELEVATIONS
A301	BUILDING SECTIONS
A302	WALL SECTIONS
A303	WALL SECTIONS
A401	ENLARGED PLANS & ELEVATIONS
A402	FLOOR FINISH PLAN AND SCHEDULE
A402C	FLOOR FINISH PLAN ALTERNATE
A501	ENLARGED DETAILS
A502	ENLARGED DETAILS
A601	TYPES & DETAILS (DOOR)
A602	TYPES & DETAILS (WINDOW)
A603	ZIP SYSTEM DETAILS
A604	ZIP SYSTEM DETAILS
A701	INTERIOR ELEVATIONS
A701A/B/C	INTERIOR ELEVATIONS (ALTERNATES)
MECHANICAL	
M101	MECHANICAL FLOOR PLAN
M102	FIRST FLOOR MECHANICAL NEW ADDITION
M103	MECHANICAL ROOF PLAN NEW ADDITION
M201	MECHANICAL SCHEDULES
M301	MECHANICAL DETAILS
ELECTRICAL	
E001	ELECTRICAL SYMBOLS, SCHEDULES AND DETAILS
E002	ELECTRICAL DETAILS
E100	OVERALL - SITE PLAN
E101	ELECTRICAL PLANS
E201	LIGHTING PLANS
E301	ELECTRICAL SYSTEMS PLANS
E401	RISERS, AND DETAILS
PLUMBING	
P101	PLUMBING FLOOR PLANS
P201	PLUMBING RISERS
P301	PLUMBING SCHEDULES AND DETAILS

ALTERNATE NOTES

LISTED AS APPLICABLE TO PROJECT SCOPE OF WORK VIA SHEET LABELING (NOT IN ANY ORDER OF MAGNITUDE):

A. ACOUSTICAL WALL PADDING (MULTIPURPOSE 107)
B. WALL TILING (UNISEX 101 & 102)
C. EPOXY FLOORING (UNISEX 101 & 102) / (WARMING KITCHEN 103) / (STOR. 104)
D. EXISTING KITCHEN RENOVATION (COMPLETE ARCH / MEP SCOPE)

A*101***A**

SHEET CLASSIFICATION (IN ORDER)

A	SHEET DISCIPLINE
101	SHEET NUMBER
A	ALTERNATE TYPE

GENERAL NOTES

1. **CODES**: ALL WORK ON THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES, ORDINANCES, REGULATIONS, STANDARDS, AND ANY ADDITIONAL REQUIREMENT STATED IN ANY LAW, ORDINANCE, OR REGULATION PERTAINING TO CONSTRUCTION WITHIN THE LIMITS OF THE AUTHORITY HAVING JURISDICTION OVER THE PROPOSED WORK (INCLUDING BUT NOT LIMITED TO: FIRE, ACCESSIBILITY, ZONING, WATER, WASTEWATER, ENVIRONMENTAL, STRUCTURAL, ARCHITECTURAL, HEALTH, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, AND ENERGY CONSERVATION). CONFORMITY TO ALL CODES APPLICABLE TO THIS PROJECT SHALL BE THE CONTRACTORS RESPONSIBILITY.
2. **EGRESS**: ALL MEANS OF EGRESS SHALL BE CONTROLLED BY THE AUTHORITY HAVING JURISDICTION, INCLUDING EXITS, EXIT ACCESS, EXIT DISCHARGE, OTHER EGRESS PATHS, OCCUPANTS LOADS, SPRINKLER PROTECTION, ETC..
3. **ACCESSIBILITY**: ALL BUILDING COMPONENTS, FIXTURES, ACCESSORIES, ETC. SHALL BE INSTALLED WITH MANEUVERING AND OPERATING CLEARANCES, MOUNTING HEIGHTS, ETC. IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT STANDARDS, ICC/ANSI A117.1, AND STATE ACCESSIBILITY CODE. OPERABLE PARTS SHALL BE OPERABLE BY ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
4. **FIELD VERIFICATION**: THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND PROPOSED BUILDING DIMENSIONS PRIOR TO CONSTRUCTION, ANY VARIATIONS, DISCREPANCIES, OR FIELD ALTERATIONS TO THESE DESIGN DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO CONSTRUCTION. IF CONTRACTOR COMMENCES CONSTRUCTION WITHOUT NOTIFYING ARCHITECT OF VARIATIONS, DISCREPENCIES, OR FIELD ALTERATIONS, THAT SHALL CONSTITUTE WAIVER TO ANY CLAIM BY CONTRACTOR FOR ADDITIONAL EXPENSES NECESSARY TO PERFORM WORK ASSOCIATED WITH THOSE CONDITIONS.
5. **SUBMITTALS**: CONTRACTOR SHALL SUBMIT ALL NECESSARY BUILDING COMPONENTS, SYSTEMS, EQUIPMENT, MATERIALS, FINISHES, ETC. FOR REVIEW BY ARCHITECT/OWNER PRIOR TO PROCUREMENT, FABRICATION, AND/OR INSTALLATION.
6. **INSTALLATION**: PROPER ASSEMBLY, INSTALLATION, AND OPERATION OF ALL MATERIALS, COMPONENTS, SYSTEMS, AND FINISHES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE IN ACCORDANCE WITH MANUFACTURES INSTRUCTIONS AND ALL APPLICABLE CODES.
7. **INCIDENTAL WORK**: ANY ITEMS NOT SPECIFICALLY SHOWN ON THE DRAWINGS, BUT WHICH ARE REASONABLY INCIDENTAL TO AND NECESSARY FOR THE SATISFACTORY COMPLETION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE CODES, ORDINANCES, REGULATIONS, AND STANDARDS, ARE INCLUDED WITHIN THE INTENT OF THESE DESIGN DRAWINGS.
8. **OWNER-PROVIDED WORK:** LOCATION OF ALL OWNER-PROVIDED FIXTURES, EQUIPMENT, ETC. SHALL BE COORDINATED TO ENSURE PROPER ALIGNMENT FOR INSTALLATION AND OPERATION, BLOCKING, ETC.
9. **SAFETY**: COMPONENTS FOR CONSTRUCTION SAFETY ARE NOT INDICATED IN THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL RULES AND OTHER REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AND APPLICABLE STATE AND LOCAL SAFETY REQUIREMENTS DURING ALL CONSTRUCTION ACTIVITIES.
10. **INSPECTIONS**: CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL ON-SITE INSPECTIONS REQUIRED PRIOR TO OCCUPANCY APPROVAL.
11. **DIMENSIONS**: UNLESS OTHERWISE INDICATED: WALLS ARE TO FACE OF STUD FRAMING AND TO FACE OF MASONRY; WINDOWS AND DOORS ARE TO CENTERLINE OF OPENING IN STUD FRAMING AND TO FACE OF MASONRY OPENING IN MASONRY; PLUMBING FIXTURES ARE TO CENTERLINE OF FIXTURE.
12. **BLOCKING**: PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF ALL PORTIONS OF THE WORK AND PER MANUFACTURER'S WRITTEN RECOMMENDATIONS, WHETHER OR NOT SPECIFICALLY INDICATED IN THESE DRAWINGS.
13. **METAL PROTECTION AT TREATED WOOD**: METAL CONNECTORS THAT COME IN CONTACT WITH TREATED LUMBER SHALL BE STAINLESS STEEL OR "ZMAX" CORROSION RESISTANT MATERIALS TO HELP PROTECT AGAINST ACCELERATED CORROSION. CONTRACTOR SHALL COORDINATE COMPATIBILITY OF ALL METALS USED WITH TREATMENT PRODUCT(S) MANUFACTURER(S)'S WRITTEN RECOMMENDATIONS.
14. **HURRICANE TIES**: CONTRCATOR SHALL PROVIDE HURRICANE TIES AND CONSTRUCTION CONNECTORS PER CODE AND AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
15. **WINDOWS AND DOORS**: WINDOWS AND DOORS ARE INDICATED USING NOMINAL DIMENSIONS. MATERIALS AND INSTALLATION SHALL COMPLY WITH DESIGN PRESSURE (DP) RATINGS, WATER INFILTRATION RATING, IMPACT/SAFETY GLAZING, WIND REQUIREMENTS, EGRESS HARDWARE, U-FACTOR / R-VALUE, ETC.. ALL EXTERIOR UNITS SHALL HAVE CORROSION-RESISTANT HARDWARE.
16. **LIFE SAFETY COMPONENTS**: FINAL LOCATION OF FIRE EXTINGUISHERS, EMERGENCY LIGHTING, AND EXIT SIGNS TO BE AS DIRECTED BY LOCAL FIRE MARSHAL, AND ARE SUBJECT TO FINAL ON-SITE INSPECTION AND EVALUATION. CONTRACTOR SHALL MAKE REVISIONS AND/OR ADDITIONS IN ACCORDANCE WITH FIRE MARSHAL'S INSPECTION..
17. **FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL WORK**: ALL FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFROMED BY QUALIFIED, LICENSED (SUB) CONTRACTORS, AND BE IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, STANDARDS, ETC.. ALL COMPONENTS SHALL BE INSTALLED ABOVE THE FLOOD ELEVATION AS REQUIRED BY FEMA, LOCAL A.H.J., AND ALL APPLICABLE CODES
18. **PIPE INSULATION**: CONTRACTOR SHALL INSULATE AND PROTECT PIPES AS REQUIRED BY CODE, AND AS REQURIED TO PROTECT PIPING EXPOSED TO EXTERIOR CONDITIONS.
19. **GRADING**: CONTRACTOR SHALL COORDINATE SITE GRADING TO COMPLY WITH CODES AND ORDINANCES, AND TO MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING.

BECKER MORGAN GROUP
ARCHITECTURE ENGINEERING

North Carolina
1942 East 7th Street, Suite 240
Charlotte, NC 28204
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Wilmington, NC 28403
910.341.7600
314 East Main Street
Clayton, NC 27520
919.243.1332
Maryland
312 West Main St, Suite 300
Salisbury, MD 21801
410.546.9100
Delaware
309 S Governors Ave
Dover, DE 19904
302.734.7950
The Tower at STAR Campus
100 Discovery Boulevard, Suite 102
Newark, DE 19713
302.369.3700
www.beckermorgan.com

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840 SHULL STREET, SUITE 100
WEST COLUMBIA, SC 29169
ph 803.926.1600 fax 803.926.1610

GWA, INC.
ELECTRICAL ENGINEERING
168 LAURELHURST AVE
COLUMBIA, SC 29210
ph 803.252.6919

MECA ENGINEERING
MECHANICAL / PLUMBING ENGINEERING
2230 MAIN ST
COLUMBIA, SC 29201
ph 803.765.9421

CHAO AND ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
7 CLUSTERS COURT
COLUMBIA, SC 29210
ph 803.772.8420

PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

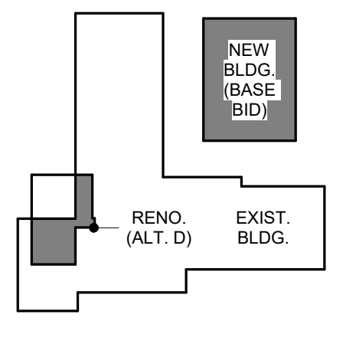
SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

COVER SHEET

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH PROJ MGR: CMC

G001

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BUILDING CODE SUMMARY

CODE STUDY DATA

(WHEN ONLY ONE SOURCE IS NOTED, THE DATA LISTED REPRESENTS THE MOST STRINGENT REQUIREMENTS WHEN COMPARING THE TWO CODES)	
PROJECT	**INFORMATION**
PROJECT NAME	SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE
PROJECT LOCATION	ORANGEBURG, SOUTH CAROLINA
PROJECT DESCRIPTION	NEW CONSTRUCTION (MULTIPURPOSE BUILDING) & RENOVATION (EXISTING KITCHEN / PREP AREA)
PROPERTY OWNER	SAMARITAN HOUSE OF ORANGEBURG COUNTY, INC.
OWNER CONTACT	HENRY MILLER (EXECUTIVE DIRECTOR)

APPLICABLE CODES

APPLICABLE CODES
2021 SCBC
2017 ICC/ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES
2010 ADA STANDARD FOR ACCESSIBLE DESIGN
ASHRAE 90.1-2010 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS

BUILDING USE AND CONSTRUCTION CLASSIFICATION

BUILDING USE AND CONSTRUCTION CLASSIFICATION	PROJECT DETAILS	IBC / LIFE SAFETY CODE REFERENCE
USE GROUPS (NOT SEPARATED)	ASSEMBLY (A-2), BUSINESS (B), STORAGE (S)	2021 SCBC 303.2, 304.1,311.3
CONSTRUCTION TYPE	TYPE V-B (602.5)	2021 SCBC TABLE 601
SPRINKLERED / NON-SPRINKLERED	NON-SPRINKLERED	2021 SCBC CHAPTER 9 (FIRE PROTECTION AND LIFE SAFETY SYSTEMS)
ALLOWABLE BUILDING HEIGHT AND # STORIES ABOVE GRADE PLAN	40'-0", 1 STORY	2021 SCBC TABLE 504.3 AND 504.4
ACTUAL BUILDING HEIGHT AND # STORIES ABOVE GRADE PLAN	27'-2", 1 STORY	2021 SCBC TABLE 504.3 AND 504.4
ALLOWABLE BUILDING AREA	6,000 SF	2021 SCBC TABLE 506.2 W/O FRONTAGE INCREASE PER 506.3
ACTUAL BUILDING AREA	2,315 SF	2021 SCBC TABLE 506.2 W/O FRONTAGE INCREASE PER 506.3

BUILDING COMPONENT FIRE RATING - BUSINESS OCCUPANCY

	IBC / TYPE II-B CONSTRUCTION		
	REQUIRED RATING		
TABULAR FIRE RATING REQUIREMENTS OF STRUCTURAL ELEMENTS AND EGRESS COMPONENTS	WALL (HRS)	OPNG (HRS)	REFERENCE
EXTERIOR BEARING WALLS			
- SUPPORTING ROOF ONLY	0	0	TABLE 601
EXTERIOR NON-BEARING WALLS	0	0	TABLES 601 & 602 & 705.8
CORRIDORS (SMOKE PARTITION I-2 OCCUPANCY ONLY)	0	0	407.3; 710; TABLE 1020.1 & TABLE 716.5
- SUPPORTING ROOF (20'-0" A.F.F.)	0	0	TABLES 601 & 602 & 705.8
- SUPPORTING (1) FLOOR ONLY	0	0	TABLES 601 & 602 & 705.8
INTERIOR NON-BEARING PARTITIONS	0	0	TABLE 601
PRIMARY STRUCTURAL FRAME			
- SUPPORTING ROOF ONLY	0	0	TABLE 601
FLOOR-CEILING ASSEMBLIES	0	0	TABLE 601
ROOF-CEILING ASSEMBLIES	0	0	TABLE 601
ROOF-CEILING ASSEMBLIES - 20' A.F.F.	0	0	TABLE 601
OCCUPANCY SEPARATION () TO ()	0	0	TABLE 508.4
JANITOR / SERVICE CLOSETS	0	0	
- SUPPORTING (1) FLOOR ONLY	0	0	TABLE 601
- SUPPORTING (>1) FLOOR	0	0	TABLE 601
BEAMS, GIRDERS, TRUSSED, ARCHES			
- SUPPORTING ROOF ONLY	0	0	TABLE 601
- SUPPORTING ROOF (20'-0" A.F.F.)	0	0	TABLE 601
- SUPPORTING (1) FLOOR ONLY	0	0	TABLE 601
- SUPPORTING (>1) FLOOR	0	0	TABLES 601 & 602 & 705.8
INTERIOR BEARING WALLS			
- SUPPORTING (>1) FLOOR	0	0	TABLE 601
- SUPPORTING ROOF ONLY	0	0	TABLE 601
- SUPPORTING ROOF (20'-0" A.F.F.)	0	0	TABLE 601
- SUPPORTING (1) FLOOR ONLY	0	0	TABLE 601
- SUPPORTING (>1) FLOOR	0	0	TABLE 601
SMOKE BARRIERS	0	0	SECTION 709, TABLE 716.15

TRAVEL DISTANCE LIMITS

TRAVEL DISTANCE LIMITS	IBC
MAXIMUM TRAVEL DISTANCE LIMIT TO AN EXIT OR EXIT ACCESS DOOR	ASSEMBLY (A-2) / (NS) - 200'-0" (TABLE 1017.2)
MAXIMUM COMMON PATH OF TRAVEL LIMIT	ASSEMBLY (A-2) / (NS) / (OL > 30) - 75'-0" (TABLE 1006.2.1)
MAXIMUM DEAD END CORRIDOR LIMIT	ASSEMBLY (A-2) - 20'-0" (1020.4)

MINIMUM NUMBER OF EXIT REQUIRED

	IBC
FLOOR AREA OCCUPANCY LOAD (1 - 500)	2 EXITS (TABLE 1006.3.1)
MINIMUM NUMBER OF ACCESSIBLE ENTRANCES / EXITS	2 (1009.1 & 1105.1)

PLUMBING FIXTURE CALCULATIONS

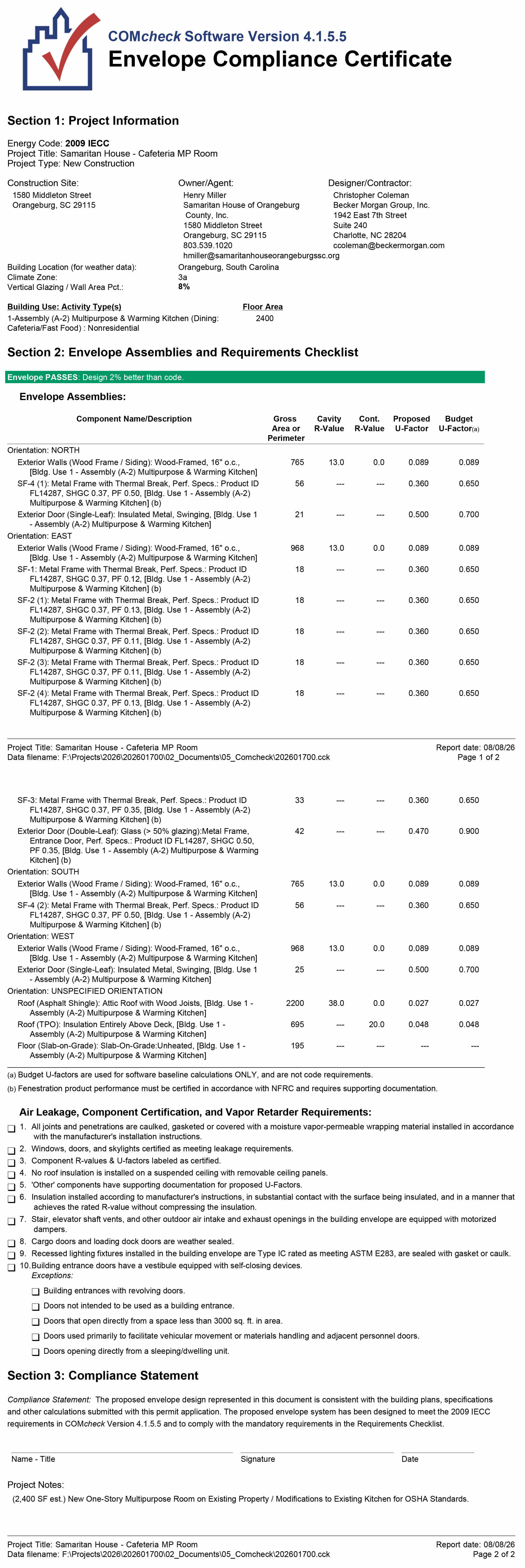
USE GROUP	OCCUPANTS	WATER CLOSETS						LAVATORIES			DRINKING FOUNTAIN / B.F.S.			OTHER	
	96 (M)	MEN			WOMEN										
	97 (F)	REQUIRED		PROVIDED	REQUIRED		PROVIDED	REQUIRED		PROVIDED	REQUIRED		PROVIDED	REQUIRED	PROVIDED
GROUND FLOOR	58		2	2		2	2		2	2		1	1		1
B - WARMING KITCHEN (103)	0.875 (1) / (2)*	1/25 for 50 then 1/50	1		1/25 for 50 then 1/50	1		1/40 for 80 then 1/80	1		1/100	1		1 SERVICE SINK	1
S-2 - STORAGE (104)	0.22 (1)	1/100	1		1/100	1		1/100	1		1/1000	1			
B - OFFICE (105)	0.63 (1)	1/25 for 50 then 1/50	1		1/25 for 50 then 1/50	1		1/40 for 80 then 1/80	1		1/100	1			
S-2 - STORAGE (106)	0.39 (1)	1/100	1		1/100	1		1/100	1		1/1000	1			
A-2 - MULTIPURPOSE (107)	106 / (53)**	1/75	2		1/75	2		1/200	1		1/500	1			

*OLF (175 SF) / (200 GROSS) = 0.0875 (1) PERSONS; ANTICIPATING (2) AVG. PERSONS DURING HOURS OF OPERATION.
**OLF (1585 SF) / (15 NET) = 105.67 (106) PERSONS; SEE OWNER LETTER TO AHJs ON ANTICIPATED OCCUPANCY CAPACITY.

CODE STUDY NOTES

1. FIRE RESISTIVE MATERIALS AND JOINT TREATMENTS, SUBMITTED DETAILS AND PRODUCTS SHALL BE U.L.-LISTED ASSEMBLIES OR U.L.-LISTED ASSEMBLIES WITH MANUFACTURER'S ENGINEERING JUDGMENT FOR SPECIFIC PENETRATION CONDITION.
2. REFER TO A601 FOR RATED GLAZING AND OPENING SCHEDULE.

ENERGY CODE SUMMARY



COM*check* Software Version 4.1.5.5

Envelope Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
Project Title: Samaritan House - Cafeteria MP Room
Project Type: New Construction

Construction Site:
1580 Middleton Street
Orangeburg, SC 29115

Owner/Agent:
Henry Miller
Samaritan House of Orangeburg County, Inc.
1580 Middleton Street
Orangeburg, SC 29115
803.539.1020
hmiller@samaritanhouseorangeburgssc.org

Designer/Contractor:
Christopher Coleman
Becker Morgan Group, Inc.
1942 East 7th Street
Suite 240
Charlotte, NC 28204
ccoleman@beckermorgan.com

Building Location (for weather data):	Orangeburg, South Carolina
Climate Zone:	3a
Vertical Glazing / Wall Area Pct.:	**8%**

Building Use: Activity Type(s)	Floor Area
1-Assembly (A-2) Multipurpose & Warming Kitchen (Dining: Cafeteria/Fast Food) : Nonresidential	2400

Section 2: Envelope Assemblies and Requirements Checklist

Envelope PASSES: Design 2% 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)
Orientation: NORTH					
Exterior Walls (Wood Frame / Siding): Wood-Framed, 16" o.c., [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen]	765	13.0	0.0	0.089	0.089
SF-4 (1): Metal Frame with Thermal Break, Perf. Specs.: Product ID FL14287, SHGC 0.37, PF 0.50, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen] (b)	56	---	---	0.360	0.650
Exterior Door (Single-Leaf): Insulated Metal, Swinging, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen]	21	---	---	0.500	0.700
Orientation: EAST					
Exterior Walls (Wood Frame / Siding): Wood-Framed, 16" o.c., [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen]	968	13.0	0.0	0.089	0.089
SF-1: Metal Frame with Thermal Break, Perf. Specs.: Product ID FL14287, SHGC 0.37, PF 0.12, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen] (b)	18	---	---	0.360	0.650
SF-2 (1): Metal Frame with Thermal Break, Perf. Specs.: Product ID FL14287, SHGC 0.37, PF 0.13, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen] (b)	18	---	---	0.360	0.650
SF-2 (2): Metal Frame with Thermal Break, Perf. Specs.: Product ID FL14287, SHGC 0.37, PF 0.11, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen] (b)	18	---	---	0.360	0.650
SF-2 (3): Metal Frame with Thermal Break, Perf. Specs.: Product ID FL14287, SHGC 0.37, PF 0.11, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen] (b)	18	---	---	0.360	0.650
SF-2 (4): Metal Frame with Thermal Break, Perf. Specs.: Product ID FL14287, SHGC 0.37, PF 0.13, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen] (b)	18	---	---	0.360	0.650

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
SF-3: Metal Frame with Thermal Break, Perf. Specs.: Product ID FL14287, SHGC 0.37, PF 0.35, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen] (b)	33	---	---	0.360	0.650
Exterior Door (Double-Leaf): Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID FL14287, SHGC 0.50, PF 0.35, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen] (b)	42	---	---	0.470	0.900
Orientation: SOUTH					
Exterior Walls (Wood Frame / Siding): Wood-Framed, 16" o.c., [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen]	765	13.0	0.0	0.089	0.089
SF-4 (2): Metal Frame with Thermal Break, Perf. Specs.: Product ID FL14287, SHGC 0.37, PF 0.50, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen] (b)	56	---	---	0.360	0.650
Orientation: WEST					
Exterior Walls (Wood Frame / Siding): Wood-Framed, 16" o.c., [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen]	968	13.0	0.0	0.089	0.089
Exterior Door (Single-Leaf): Insulated Metal, Swinging, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen]	25	---	---	0.500	0.700
Orientation: UNSPECIFIED ORIENTATION					
Roof (Asphalt Shingle): Attic Roof with Wood Joists, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen]	2200	38.0	0.0	0.027	0.027
Roof (TPO): Insulation Entirely Above Deck, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen]	695	---	20.0	0.048	0.048
Floor (Slab-on-Grade): Slab-On-Grade:Unheated, [Bldg. Use 1 - Assembly (A-2) Multipurpose & Warming Kitchen]	195	---	---	---	---

(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 COM*check* Version 4.1.5.5 and to comply with the mandatory requirements in the Requirements Checklist.

Name - Title ____________ Signature ____________ Date ____________

Project Notes:
(2,400 SF est.) New One-Story Multipurpose Room on Existing Property / Modifications to Existing Kitchen for OSHA Standards.

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MORGAN
GROUP

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980.270.9100

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910.341.7600

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Clayton, NC 27520
919.243.1332

Maryland
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Salisbury, MD 21801
410.546.9100

Delaware
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Dover, DE 19904
302.734.7950

The Tower at STAR Campus
100 Discovery Boulevard, Suite 102
Newark, DE 19713
302.369.3700

www.beckermorgan.com

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ph 803.926.1600 fax 803.926.1610

GWA, INC.
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ph 803.252.6919

MECA ENGINEERING
MECHANICAL / PLUMBING ENGINEERING
2230 MAIN ST
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ph 803.765.9421

CHAO AND ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
7 CLUSTERS COURT
COLUMBIA, SC 29210
ph 803.772.8420

PROJECT RECORD SEAL

STATE OF SOUTH CAROLINA REGISTERED ARCHITECT
ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

STATE OF SOUTH CAROLINA REGISTERED ARCHITECTS
BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

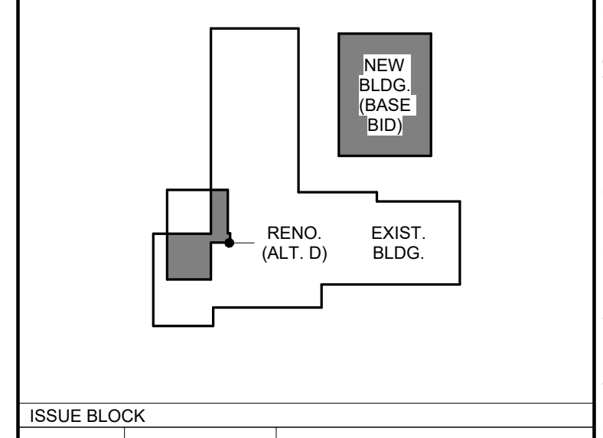
SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

BUILDING CODE SUMMARY

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO:	2026017.00
DATE:	07.31.2026
SCALE:	As indicated
DRAWN BY: KMH	PROJ MGR: CMC

G101

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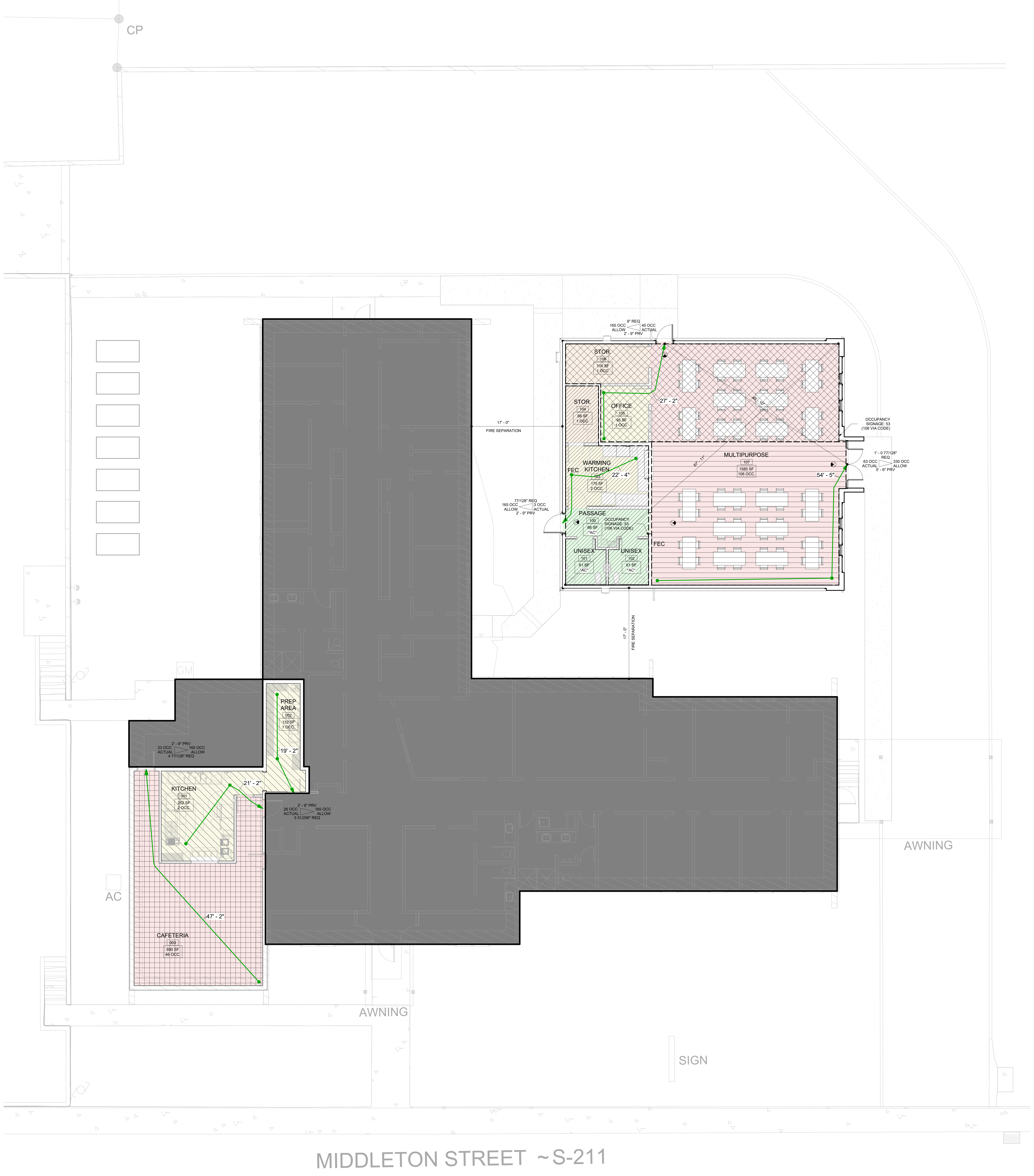

1 LIFE SAFETY PLAN

SCALE: 1/8" = 1'-0"

PLAN NORTH

GENERAL PLAN NOTES

- DIMENSIONS ARE TO EXTERIOR FACE OF CONCRETE, MASONRY, AND WOOD STUD FRAMING, U.N.O.
- INTERIOR MTL. STUD FRAMING @ 16" O.C. SPACING, U.N.O.
- ALL INTERIOR WALLS NOTED TO RECEIVE BATT INSUL. SHALL EXTEND UP TO BOTTOM CHORD OF ROOF TRUSS, U.N.O.
- VERIFY DIMENSIONS & LOCATION OF **ALL** WINDOWS & DOORS PRIOR TO INSTALLING IN ROUGH OPENINGS.
- EXT. EGRESS DOORS AT ALL INSTANCES TO BE LEVEL AND ACCESSIBLE TO GRADE AND / OR F.F.E.; PROVIDE CONC. SLABS AS REQ'D. (SEE FOUNDATION PLAN)
- PROVIDE THICKENED WALLS AS REQ'D. FOR ELEC. PANELS, FIRE EXTINGUISHERS, AND RECESSED MECH. EQUIP.
- G.C. AND / OR S.C. TO VERIFY ACCURACY OF ALL FLOOR, FOUNDATION, AND ROOF FRAMING PLANS PRIOR TO START OF CONSTRUCTION.
- COORDINATE REQUIREMENTS OF WORK WITH ALL OTHER TRADES.

NOTE: MULTIPURPOSE (107) VIA CODE PERMITTED UP TO (106) PEOPLE PER PROGRAM OF OPERATIONS WITH USE OF UNCONCENTRATED TABLES AND CHAIRS (15 NET / PERSON).

SAMARITAN HOUSE (OWNER) CONFIRMED MAX CAPACITY CAPPED TO (~50) PEOPLE AS PER RELATED TO MAIN EXIST. BLDG.

SEE OWNER'S LETTER OF EVALUATION AS CONFIRMATION FOR INTENDED PROGRAM MAX CAPACITY.

OCCUPANCY LEGEND

- 🟩 ACCESSORY (AC)
- 🟥 ASSEMBLY (A-2)
- 🟨 BUSINESS (B)
- 🟫 STORAGE (S)

LIFE SAFETY PLAN LEGEND

TRAVEL PATH # 50' - 0"	EXIT ACCESS TRAVEL DISTANCE PATH OF EXIT ACCESS TRAVEL
CLASSROOM 119	ROOM NAME & NUMBER
786 SF 39 OCC.	ROOM AREA OCCUPANCY LOAD (*AC* = ACCESSORY SPACE)
MIN. EGRESS WIDTH REQ'D (INCHES) MAX. OCC. ALLOWED ACTUAL OCCUPANTS ACTUAL EGRESS WIDTH PROVIDED (INCHES)	EXIT CAPACITY
⊗	EMERGENCY EXIT SIGN (SEE ELEC.)

FIRE-RATED WALL LEGEND

	ASSEMBLY RATING, IN HOURS)					
TYPE OF WALL/PARTITION	0	1/2	1	2	3	4
EXTERIOR WALL		/	▨	▨	▨	/
FIRE WALL/PARTY WALL	/	/	/	▨	▨	▨
FIRE BARRIER	/	/	▨	▨	▨	▨
FIRE PARTITION	/	▨	▨	/	/	/
SMOKE BARRIER	/	/	▨	/	/	/
SMOKE PARTITION	▨	/	/	/	/	/
NON-RATED PARTITION		/	/	/	/	/

LIFE SAFETY PLAN NOTES

1. PROVIDE NEW FIRE EXTINGUISHERS CABINETS (F.E.C.) AS INDICATED ON FLOOR PLANS (SEE A101).
2. FIRE EXTINGUISHER SHALL BE MINIMUM 3A-40BC RATING.
3. MARK ALL RATED WALLS AND PARTITIONS PER 2018 IBC 703.7 AND AS DETAILED.
4. **THIS SHEET (G102) TO BE PRINTED IN COLOR FOR OCCUPANCY LEGEND VISIBILITY.**

LIFE SAFETY EXIT LEGEND

- ▤ AREA(S) OCCUPANT LOAD ASSIGNED TO EXIT #1
- ▨ AREA(S) OCCUPANT LOAD ASSIGNED TO EXIT #2
- ⊠ AREA(S) OCCUPANT LOAD ASSIGNED TO EXIT #3
- ▦ AREA(S) OCCUPANT LOAD ASSIGNED TO EXIT #4E
- ▧ AREA(S) OCCUPANT LOAD ASSIGNED TO EXIT #5E

SEE EXIT LOCATIONS IN DIAGRAM (1/G101)

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1942 East 7th Street, Suite 240
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910.341.7600
314 East Main Street
Clayton, NC 27520
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CHAO AND ASSOCIATES, INC.
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ph 803.772.8420

PROJECT RECORD SEAL

STATE OF SOUTH CAROLINA
ERNEST W. OLDS
WILMINGTON, NC
10151
REGISTERED ARCHITECT
7/31/2026

STATE OF SOUTH CAROLINA
BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852
REGISTERED ARCHITECTS

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

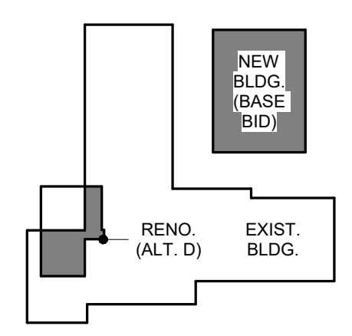
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

LIFE SAFETY PLAN

KEY MAP

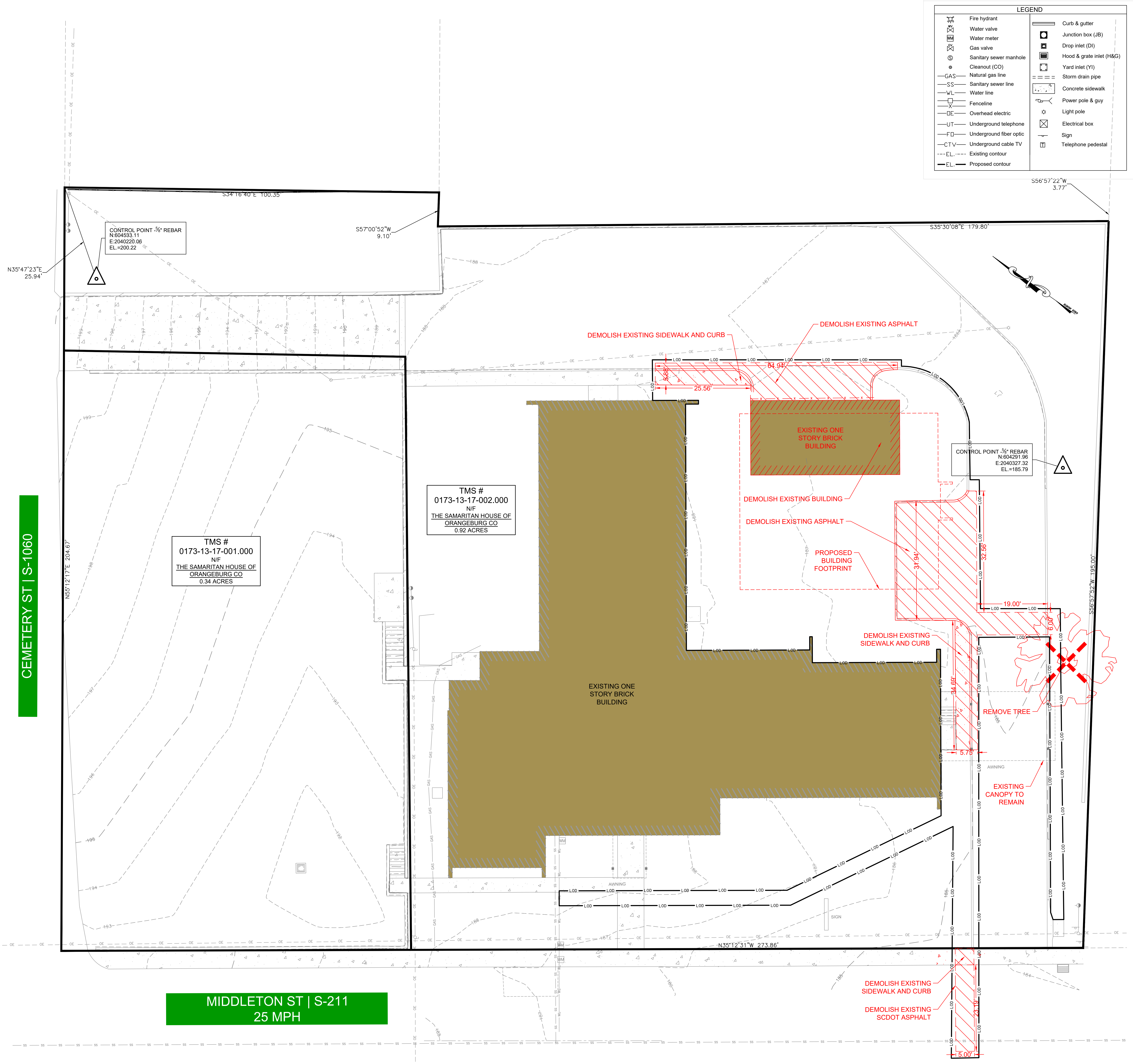


ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH PROJ MGR: CMC

G102



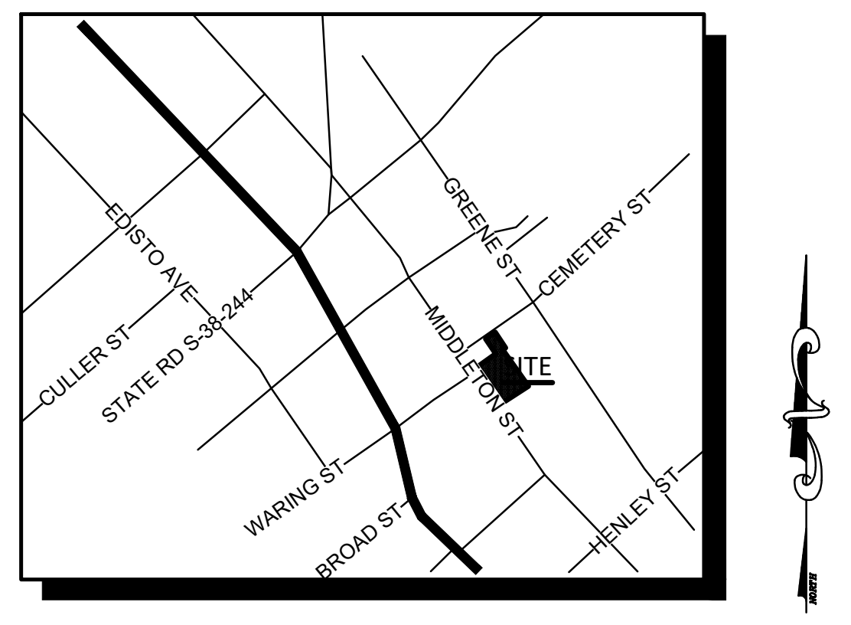
SURVEY LEGEND

LEGEND

⛯	Fire hydrant	▭	Curb & gutter
WV ⋈	Water valve	◙	Junction box (JB)
WM	Water meter	▣	Drop inlet (DI)
GV ⋈	Gas valve	▤	Hood & grate inlet (H&G)
Ⓢ	Sanitary sewer manhole	⊡	Yard inlet (YI)
◎	Cleanout (CO)	= = = =	Storm drain pipe
—GAS—	Natural gas line	▨	Concrete sidewalk
—SS—	Sanitary sewer line	⊸<	Power pole & guy
—WL—	Water line	☼	Light pole
—☐— —X—	Fenceline	☒	Electrical box
—OE—	Overhead electric	—○—	Sign
—UT—	Underground telephone	T	Telephone pedestal
—FO—	Underground fiber optic		
—CTV—	Underground cable TV		
---EL.----	Existing contour		
—EL.—	Proposed contour		

LOCATION MAP

SCALE: 1"=1000'



ADDRESS: 1580 MIDDLETON ST, ORANGEBURG SC 29115
TAX PARCEL #: 0173-13-17-002.00

GENERAL CONTRACTOR NOTES

1. CONTRACTOR IS CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES SHOWN HEREIN ARE BASED ON RECORDS PROVIDED BY THE UTILITY COMPANY AND INFORMATION OBTAINED FROM THE FIELD. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS AND UTILITIES PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS REQUIRED TO CONTACT PALMETTO UTILITY PROTECTION SERVICE (811) THREE DAYS PRIOR TO ANY DIGGING OR COMMENCING CONSTRUCTION.
3. PROVIDE SILT FENCE AND OTHER EROSION CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION IN THE AREA.
4. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED TO ANY EXISTING SITE FEATURES TO REMAIN INCLUDING, BUT NOT LIMITED TO, BUILDINGS, PAVEMENT, CURB AND GUTTER, STORM DRAINS, UNDERGROUND UTILITIES, FENCING, ETC. IN THEIR ENTIRETY. REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
5. SEEDING SHALL BE PROVIDED IN ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT INTENDED TO BE COVERED BY IMPERVIOUS MATERIAL, UNLESS OTHERWISE INDICATED.
6. IF NECESSARY, SLOPES WHICH EXCEED FOUR VERTICAL FEET OR 4:1 SLOPES SHOULD BE STABILIZED WITH AN APPROVED TURF REINFORCING MAT IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED DAILY UNTIL SLOPE IS BROUGHT TO GRADE.
7. CONTRACTOR SHALL TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS. CONTRACTOR TO DAILY REMOVE MUD/SOIL FROM PAVEMENT AS REQUIRED.
8. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED TO THE SATISFACTION OF CITY OF COLUMBIA AND SCDES.
9. CONTRACTOR SHALL ABIDE BY ALL PROVISIONS OF THE APPLICABLE CITY AND/OR COUNTY STORM DRAINAGE AND EROSION CONTROL ORDINANCES AS WELL AS THE SOUTH CAROLINA SEDIMENT REDUCTION ACT.
10. ALL EXCAVATION IS UNCLASSIFIED. EXCESS MATERIAL IS TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
11. ALL CONSTRUCTION STAKING SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE
12. CONTRACTOR TO SHALL BE REQUIRED TO REMOVE ALL DEMOLISHED MATERIAL FROM SITE AND DISPOSE OF IN A LEGAL MANNER.
13. CONTRACTOR TO SAW CUT EXISTING ASPHALT FOR SMOOTH JOINT NOT ALIGNED WITH WHEEL PATH.
14. ALL UTILITY CROSSING INSTALLATION SHALL BE IN ACCORDANCE, AT MINIMUM, WITH THE "TEN STATES STANDARDS" (LATEST EDITION)

REFERENCES

1. PARTIAL TOPOGRAPHIC SURVEY CONDUCTED FOR THE SAMARITAN HOUSE OF ORANGEBURG BY CHAO AND ASSOCIATES, INC DATED MARCH 18, 2026
2. BOUNDARY INFORMATION FROM CITY OF ORANGEBURG AND ORANGEBURG COUNTY GIS
3. ORANGEBURG COUNTY TAX MAP NO. 0173-13-17-001.00 AND 0173-13-17-002.00
4. PLAT PREPARED FOR KENNETH SHULER BY DONALD J. SMITH, JR., DATED NOVEMBER 26, 1990 AND RECORDED IN PLAT BOOK 69-L PAGE 32.
5. VERTICAL BENCHMARK IS BASED ON NAVD88. SITE REFERENCED HORIZONTALLY TO SOUTH CAROLINA STATE PLANE COORDINATES (NAD83) BASED ON SC VRS NETWORK.

STORMWATER MANAGEMENT CERTIFICATION STATEMENT

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

SC811 - CALL BEFORE YOU DIG

South Carolina 811.
Call 811 Before You Dig

THE UTILITIES ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY TO VERIFY THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR

REFERENCE SCALE

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

BECKER
MORGAN
GROUP

ARCHITECTURE
ENGINEERING

North Carolina
1942 East 7th Street, Suite 240
Charlotte, NC 28204
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3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600
314 East Main Street
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CHAO & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
7 CLUSTERS COURT
COLUMBIA, SC 29210
ph 803.772.8420

PROJECT RECORD SEAL

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21629 GERALD A LEE
07-31-2026
SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION CHAO & ASSOCIATES No. C00357

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

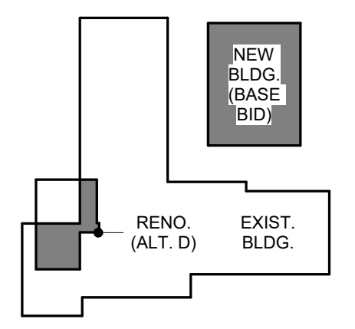
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

EXISTING AND DEMOLITION PLAN

KEY MAP



ISSUE BLOCK

Mark	Date	Description

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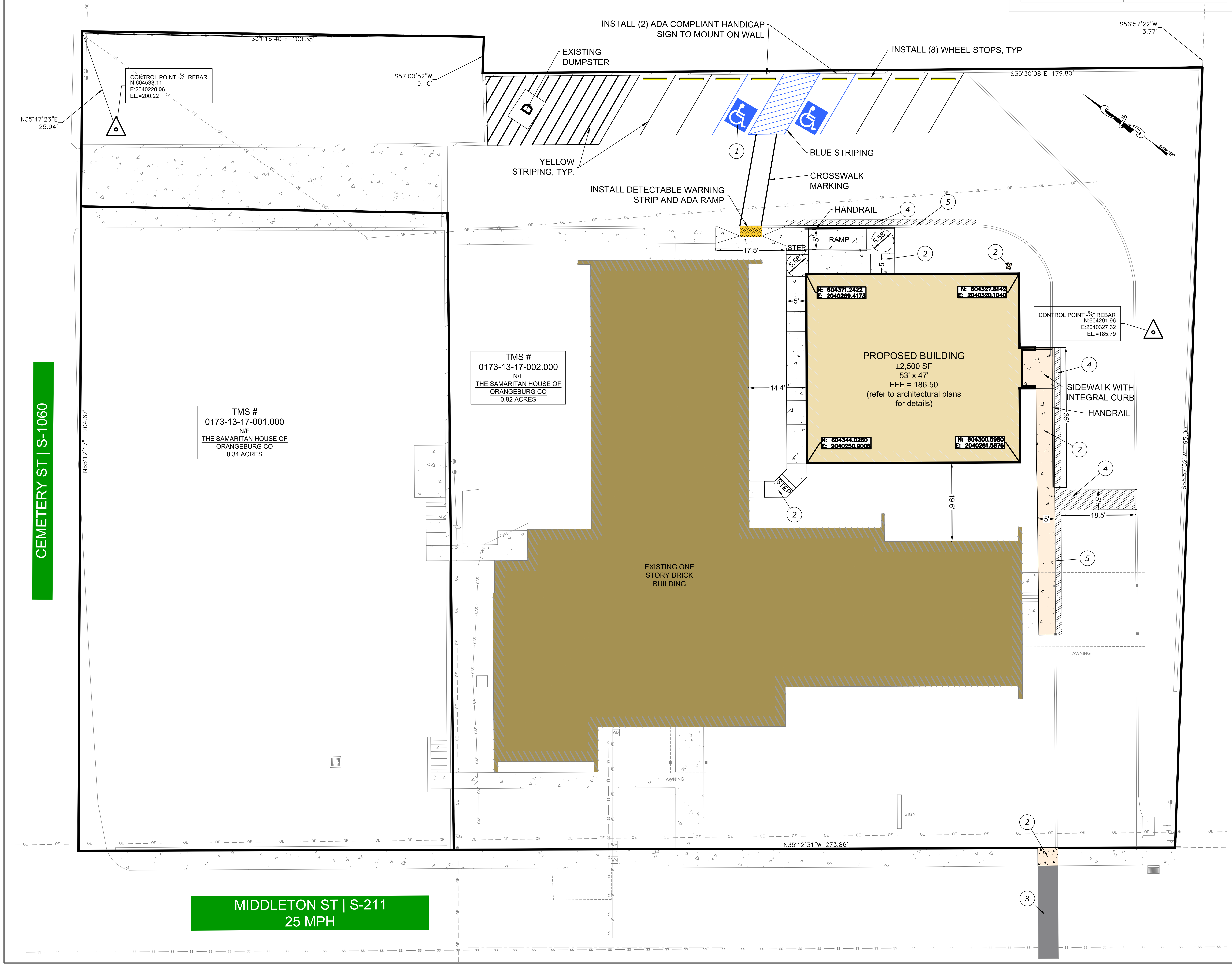
DATE: 07.31.2026
SCALE: 1" = 20'
DRAWN BY: EYC
PROJ MGR: GAL

C100

7/14/2026 3:07:00 PM Autodesk Docs://Samaritan House – Cafeteria MP Room/202601700.rvt


INSTALL (2) ADA COMPLIANT HANDICAP SIGN TO MOUNT ON WALL
EXISTING DUMPSTER
INSTALL (8) WHEEL STOPS, TYP
S34°16'40"E 100.35'
S57°00'52"W 9.10'
N35°47'23"E 25.94'
S56°57'22"W 3.77'
S35°30'08"E 179.80'
CONTROL POINT -⅝" REBAR N:604533.11 E:2040220.06 EL.=200.22
D
YELLOW STRIPING, TYP.
BLUE STRIPING
CROSSWALK MARKING
INSTALL DETECTABLE WARNING STRIP AND ADA RAMP
HANDRAIL
RAMP
STEP
17.5'
5.58'
5'
14.4'
19.6'
35'
18.5'
N: 604371.2422 E: 2040289.4173
N: 604327.8142 E: 2040320.1040
N: 604344.0260 E: 2040250.9008
N: 604300.5980 E: 2040281.5876
PROPOSED BUILDING ±2,500 SF 53' x 47' FFE = 186.50 (refer to architectural plans for details)
CONTROL POINT -⅝" REBAR N:604291.96 E:2040327.32 EL.=185.79
SIDEWALK WITH INTEGRAL CURB
S56°57'52"W 195.00'
TMS # 0173-13-17-002.000 N/F THE SAMARITAN HOUSE OF ORANGEBURG CO 0.92 ACRES
TMS # 0173-13-17-001.000 N/F THE SAMARITAN HOUSE OF ORANGEBURG CO 0.34 ACRES
N55°12'17"E 204.67'
EXISTING ONE STORY BRICK BUILDING
AWNING
SIGN
N35°12'31"W 273.86'
CEMETERY ST | S-1060
MIDDLETON ST | S-211 25 MPH
1
2
3
4
5

SURVEY LEGEND

LEGEND

Symbol	Description	Symbol	Description
☼	Fire hydrant	═	Curb & gutter
WV ⋈	Water valve	■	Junction box (JB)
WM	Water meter	▣	Drop inlet (DI)
GV ⋈	Gas valve	▤	Hood & grate inlet (H&G)
Ⓢ	Sanitary sewer manhole	⊡	Yard inlet (YI)
◎	Cleanout (CO)	= = = =	Storm drain pipe
—GAS—	Natural gas line	▨	Concrete sidewalk
—SS—	Sanitary sewer line	⊸<	Power pole & guy
—WL—	Water line	☼	Light pole
—□— —X—	Fenceline	☒	Electrical box
—OE—	Overhead electric	—○—	Sign
—UT—	Underground telephone	T	Telephone pedestal
—FO—	Underground fiber optic		
—CTV—	Underground cable TV		
---EL.---	Existing contour		
—EL.—	Proposed contour		

PROJECT SUMMARY

PROPERTY OWNER: THE SAMARITAN HOUSE OF ORANGEBURG CO
ADDRESS: 1580 MIDDLETON ST ORANGEBURG, SC 29115
SIZE OF PROJECT SITE: 1.26 ACRES
TAX MAP REFERENCE: CITY OF ORANGEBURG
Tax Parcel #. 0173-13-002
ZONING: B-2 GENERAL BUSINESS DISTRICT
TYPE OF DEVELOPMENT: BUILDING ADDITION
PROPOSED BUILDING SIZE: 2,500 SF
NUMBER OF PARKING SPACE: 8 INCLUDING 2 HANDICAPPED SPACES

CODED SITE NOTES

DENOTED ON PLAN AS (#)→

1. ALL SIDEWALKS, STRIPING AND SIGNAGE TO BE ADA AND MUTCD COMPLIANT
2. CONCRETE PAVEMENT SECTION (SIDEWALK AND SPLASH PAD) (SEE DETAIL)
3. SCDOT ROW ASPHALT PAVEMENT SECTION (SEE DETAIL)
4. ASPHALT PAVEMENT SECTION (SEE DETAIL)
5. CURB AND GUTTER TO MATCH EXISTING CONDITION

FLOOD CERTIFICATION

FLOOD CERTIFICATION

I HEREBY CERTIFY THAT I HAVE CONSULTED THE NATIONAL FLOOD INSURANCE PROGRAM, "FLOOD INSURANCE RATE MAP", MAP NUMBER 450164, PANEL NUMBER 376 OF 760, EFFECTIVE DATE: JANUARY 16, 2014. I HAVE DETERMINED THAT THE ABOVE SITE LIES WITHIN AN UNSHADED ZONE "X"

GERALD A. LEE, P.E., PLS
SC REG. PROFESSIONAL ENGINEER #21629

SITE WORK LEGEND

▨	PROPOSED CONCRETE
▨	PROPOSED BUILDING
▨	PROPOSED ASPHALT

REFERENCES

1. PARTIAL TOPOGRAPHIC SURVEY CONDUCTED FOR THE SAMARITAN HOUSE OF ORANGEBURG BY CHAO AND ASSOCIATES, INC DATED MARCH 18, 2026
2. BOUNDARY INFORMATION FROM CITY OF ORANGEBURG AND ORANGEBURG COUNTY GIS
3. ORANGEBURG COUNTY TAX MAP NO. 0173-13-17-001.00 AND 0173-13-17-002.00
4. PLAT PREPARED FOR KENNETH SHULER BY DONALD J. SMITH, JR., DATED NOVEMBER 26, 1990 AND RECORDED IN PLAT BLOOK 69-L PAGE 32.
5. BENCHMARK IS BASED ON SOUTH CAROLINA STATE PLANE COORDINATES (NAD83) BASED ON SC VRS NETWORK.

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South Carolina 811.
Call 811 Before You Dig

THE UTILITIES ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY TO VERIFY THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR

REFERENCE SCALE

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

BECKER MORGAN GROUP
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ENGINEERING

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1942 East 7th Street, Suite 240
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980.270.9100

3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600

314 East Main Street
Clayton, NC 27520
919.243.1332

Maryland
312 West Main St, Suite 300
Salisbury, MD 21801
410.546.9100

Delaware
309 S Governors Ave
Dover, DE 19904
302.734.7950

The Tower at STAR Campus
100 Discovery Boulevard, Suite 102
Newark, DE 19713
302.369.3700

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CONSULTANT INFORMATION

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ph 803.926.1600 fax 803.926.1610

GWA, INC.
ELECTRICAL ENGINEERING
168 LAURELHURST AVE
COLUMBIA, SC 29210
ph 803.252.6919

MECA ENGINEERING
MECHANICAL / PLUMBING ENGINEERING
2230 MAIN ST
COLUMBIA, SC 29201
ph 803.765.9421

CHAO & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
7 CLUSTERS COURT
COLUMBIA, SC 29210
ph 803.772.8420

PROJECT RECORD SEAL

No. 21629
GERALD A LEE
07-31-2026

CHAO & ASSOCIATES
No. C00357

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

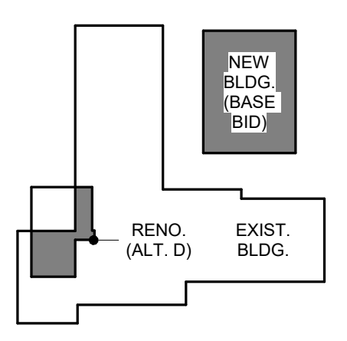
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

SITE PLAN

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 07.31.2026
SCALE: 1" = 20'
DRAWN BY: EYC
PROJ MGR: GAL

C200

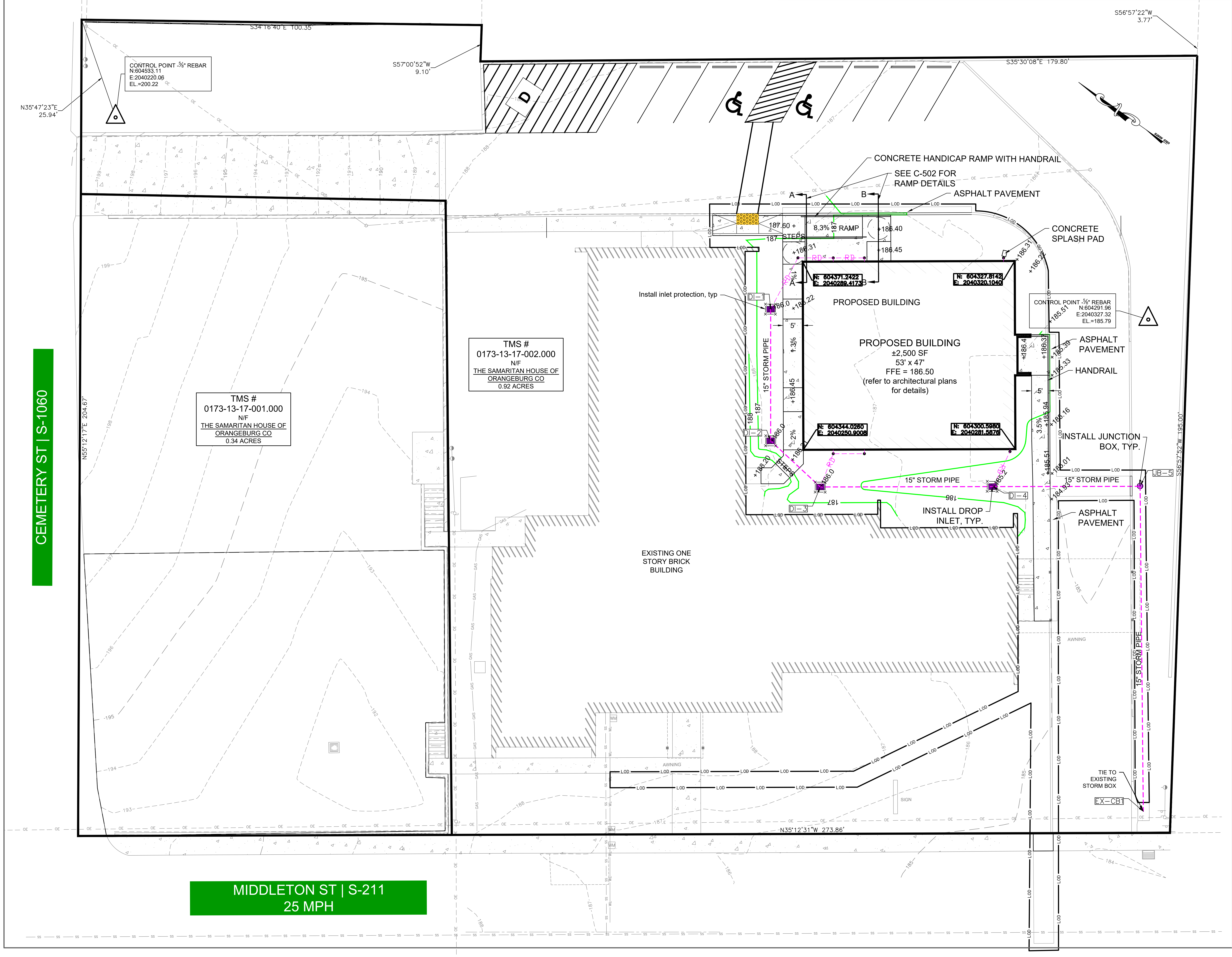
PLAN LEGEND

▥	PROPOSED DROP INLET
Ⓓ	PROPOSED JUNCTION BOX
+186.45	PROPOSED CONTOUR SPOT
━ ━ ━	PROPOSED STORM PIPE
—RD—	PROPOSED ROOF DRAIN
━187━	PROPOSED CONTOUR
☒	PROPOSED INLET PROTECTION

SURVEY LEGEND

LEGEND

	Fire hydrant	═	Curb & gutter
WV ⋈	Water valve	●	Junction box (JB)
WM	Water meter	▣	Drop inlet (DI)
GV ⋈	Gas valve	▤	Hood & grate inlet (H&G)
Ⓢ	Sanitary sewer manhole	⁘	Yard inlet (YI)
◎	Cleanout (CO)	= = = =	Storm drain pipe
—GAS—	Natural gas line		Concrete sidewalk
—SS—	Sanitary sewer line		Power pole & guy
—WL—	Water line	☼	Light pole
—□— —X—	Fenceline	☒	Electrical box
—OE—	Overhead electric		Sign
—UT—	Underground telephone	T	Telephone pedestal
—FO—	Underground fiber optic		
—CTV—	Underground cable TV		
---EL.---	Existing contour		
—EL.—	Proposed contour		



PROJECT SUMMARY

PROPERTY OWNER: THE SAMARITAN HOUSE OF ORANGEBURG CO
ADDRESS: 1580 MIDDLETON ST ORANGEBURG, SC 29115
SIZE OF PROJECT SITE: 1.26 ACRES
TAX MAP REFERENCE: CITY OF ORANGEBURG
Tax Parcel #. 0173-13-002
ZONING: B-2 GENERAL BUSINESS DISTRICT
TYPE OF DEVELOPMENT: BUILDING ADDITION
PROPOSED BUILDING SIZE: 2,500 SF
NUMBER OF PARKING SPACE: 8 INCLUDING 1 HANDICAP PARKING

GENERAL CONSTRUCTION NOTES

1. CONTRACTOR IS CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES SHOWN HEREIN ARE BASED ON RECORDS PROVIDED BY THE UTILITY COMPANY AND INFORMATION OBTAINED FROM THE FIELD. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS AND UTILITIES PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS REQUIRED TO CONTACT PALMETTO UTILITY PROTECTION SERVICE (811) THREE DAYS PRIOR TO ANY DIGGING OR COMMENCING CONSTRUCTION.
3. PROVIDE SILT FENCE AND OTHER EROSION CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION IN THE AREA.
4. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED TO ANY EXISTING SITE FEATURES TO REMAIN INCLUDING, BUT NOT LIMITED TO, BUILDINGS, PAVEMENT, CURB AND GUTTER, STORM DRAINS, UNDERGROUND UTILITIES, FENCING, ETC. IN THEIR ENTIRETY. REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
5. SEEDING SHALL BE PROVIDED IN ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT INTENDED TO BE COVERED BY IMPERVIOUS MATERIAL, UNLESS OTHERWISE INDICATED.
6. IF NECESSARY, SLOPES WHICH EXCEED FOUR VERTICAL FEET OR 4:1 SLOPES SHOULD BE STABILIZED WITH AN APPROVED TURF REINFORCING MAT IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED DAILY UNTIL SLOPE IS BROUGHT TO GRADE.
7. CONTRACTOR SHALL TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS. CONTRACTOR TO DAILY REMOVE MUD/SOIL FROM PAVEMENT AS REQUIRED.
8. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED TO THE SATISFACTION OF CITY OF COLUMBIA AND SCDES.
9. CONTRACTOR SHALL ABIDE BY ALL PROVISIONS OF THE APPLICABLE CITY AND/OR COUNTY STORM DRAINAGE AND EROSION CONTROL ORDINANCES AS WELL AS THE SOUTH CAROLINA SEDIMENT REDUCTION ACT.
10. ALL EXCAVATION IS UNCLASSIFIED. EXCESS MATERIAL IS TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
11. ALL CONSTRUCTION STAKING SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE
12. CONTRACTOR TO SHALL BE REQUIRED TO REMOVE ALL DEMOLISHED MATERIAL FROM SITE AND DISPOSE OF IN A LEGAL MANNER.
13. CONTRACTOR TO SAW CUT EXISTING ASPHALT FOR SMOOTH JOINT NOT ALIGNED WITH WHEEL PATH.
14. ALL UTILITY CROSSING INSTALLATION SHALL BE IN ACCORDANCE, AT MINIMUM, WITH THE "TEN STATES STANDARDS" (LATEST EDITION)

TOTAL DISTURBED
AREA = 0.18 AC

REFERENCES

1. PARTIAL TOPOGRAPHIC SURVEY CONDUCTED FOR THE SAMARITAN HOUSE OF ORANGEBURG BY CHAO AND ASSOCIATES, INC DATED MARCH 18, 2026
2. BOUNDARY INFORMATION FROM CITY OF ORANGEBURG AND ORANGEBURG COUNTY GIS
3. ORANGEBURG COUNTY TAX MAP NO. 0173-13-17-001.00 AND 0173-13-17-002.00
4. PLAT PREPARED FOR KENNETH SHULER BY DONALD J. SMITH, JR., DATED NOVEMBER 26, 1990 AND RECORDED IN PLAT BLOOK 69-L PAGE 32.
5. BENCHMARK IS BASED ON SOUTH CAROLINA STATE PLANE COORDINATES (NAD83) BASED ON SC VRS NETWORK.

STORMWATER MANAGEMENT CERTIFICATION STATEMENT

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

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South Carolina 811.
Call 811 Before You Dig

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REFERENCE SCALE

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

BECKER
MORGAN
GROUP

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ENGINEERING

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3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600
314 East Main Street
Clayton, NC 27520
919.243.1332
Maryland
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CONSULTANT INFORMATION

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ph 803.765.9421

CHAO & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
7 CLUSTERS COURT
COLUMBIA, SC 29210
ph 803.772.8420

PROJECT RECORD SEAL

GERALD A LEE
No. 21629
07-31-2026

CHAO & ASSOCIATES
No. C00357

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

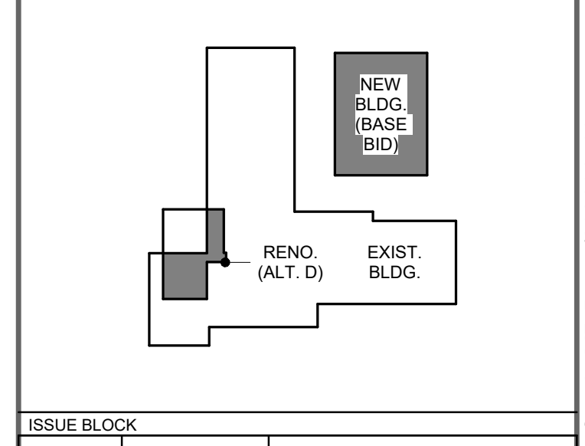
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

GRADING AND
DRAINAGE
PLAN

KEY MAP



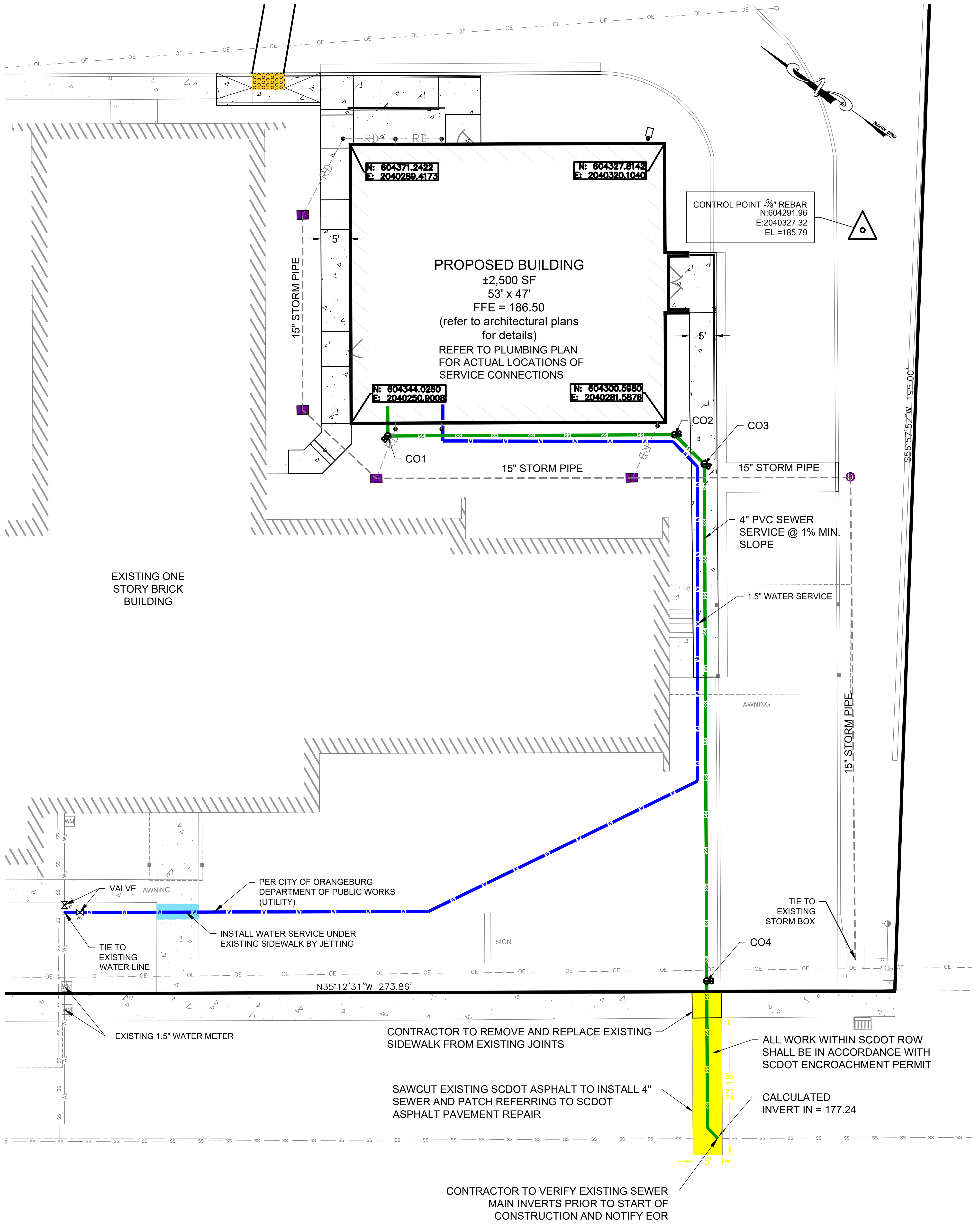
ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 07.31.2026
SCALE: 1" = 20'
DRAWN BY: EYC
PROJ MGR: GAL

C300

Autodesk Docs://Samaritan House – Cafeteria MP Room/202601700.rvt
7/14/2026 3:07:00 PM


PROPOSED BUILDING
±2,500 SF
53' x 47'
FFE = 186.50
(refer to architectural plans for details)
REFER TO PLUMBING PLAN FOR ACTUAL LOCATIONS OF SERVICE CONNECTIONS
N: 604371.2422 E: 2040289.4173
N: 604327.8142 E: 2040320.1040
N: 604344.0260 E: 2040250.9008
N: 604300.5980 E: 2040281.5876
CONTROL POINT -5/8" REBAR N:604291.96 E:2040327.32 EL.=185.79
GRID NORTH
5'
5'
15" STORM PIPE
15" STORM PIPE
15" STORM PIPE
15" STORM PIPE
CO1
CO2
CO3
CO4
4" PVC SEWER SERVICE @ 1% MIN. SLOPE
1.5" WATER SERVICE
S56°57'52"W 195.00'
EXISTING ONE STORY BRICK BUILDING
AWNING
VALVE
AWNING
PER CITY OF ORANGEBURG DEPARTMENT OF PUBLIC WORKS (UTILITY)
INSTALL WATER SERVICE UNDER EXISTING SIDEWALK BY JETTING
TIE TO EXISTING WATER LINE
SIGN
TIE TO EXISTING STORM BOX
N35°12'31"W 273.86'
EXISTING 1.5" WATER METER
CONTRACTOR TO REMOVE AND REPLACE EXISTING SIDEWALK FROM EXISTING JOINTS
ALL WORK WITHIN SCDOT ROW SHALL BE IN ACCORDANCE WITH SCDOT ENCROACHMENT PERMIT
SAWCUT EXISTING SCDOT ASPHALT TO INSTALL 4" SEWER AND PATCH REFERRING TO SCDOT ASPHALT PAVEMENT REPAIR
CALCULATED INVERT IN = 177.24
23.18'
5'
CONTRACTOR TO VERIFY EXISTING SEWER MAIN INVERTS PRIOR TO START OF CONSTRUCTION AND NOTIFY EOR

UTILITY LEGEND

—WAT—	PROPOSED WATER SERVICE
—SAN—	PROPOSED SANITARY SEWER SERVICE
CO	PROPOSED CLEANOUT
🟨	SAWCUT AND PATCH
🟦	JETTING

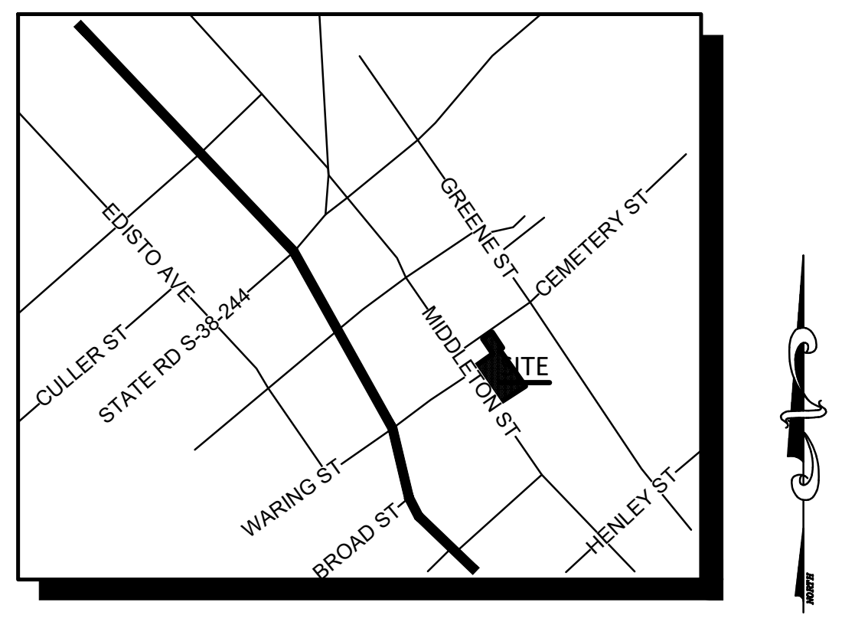
SURVEY LEGEND

LEGEND

	Fire hydrant		Curb & gutter
WV	Water valve	●	Junction box (JB)
WM	Water meter		Drop inlet (DI)
GV	Gas valve		Hood & grate inlet (H&G)
Ⓢ	Sanitary sewer manhole		Yard inlet (YI)
◎	Cleanout (CO)	= = = =	Storm drain pipe
—GAS—	Natural gas line		Concrete sidewalk
—SS—	Sanitary sewer line		Power pole & guy
—WL—	Water line	☼	Light pole
—X—	Fenceline	☒	Electrical box
—OE—	Overhead electric		Sign
—UT—	Underground telephone	T	Telephone pedestal
—FO—	Underground fiber optic		
—CTV—	Underground cable TV		
---EL.---	Existing contour		
—EL.—	Proposed contour		

LOCATION MAP

SCALE: 1"=1000'



ADDRESS: 1580 MIDDLETON ST, ORANGEBURG SC 29115
TAX PARCEL #: 0173-13-17-002.00

SEWER CALCULATIONS

Type of development: 2,500 SF Cafeteria

Unit Contributory Loading for Proposed Sewer Flow
Type of Establishment: Assembly
Flow per person / seat = 4 GPD
Number of People = 80
Max. Number of People = 105
Sewer Flow = 4 GPD x 80 = 320 GPD
Max. Sewer Flow = 4 GPD x 105 = 420 GPD
Average Sewer Design Flow = 370 GPD

WATER CONSTRUCTION NOTES

1. LOCATION OF UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES, AND ANY AND ALL DAMAGES RESULTING FROM THE FAILURE TO DO SO. CONTACT UTILITY PROTECTION SERVICE AT 811 MONDAY THROUGH FRIDAY, 7:00 AM TO 7:00 PM, EXCLUDING HOLIDAYS AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION FOR LOCATION OF MOST UTILITIES.
2. CONTRACTOR SHALL MAINTAIN A DEPTH OF COVER OF AT LEAST 48 INCHES WITH RESPECT TO FINISHED GRADES FOR ALL WATER MAINS, OR USE SAME DIAMETER OF DUCTILE IRON PIPE (DIP).
3. CONTRACTOR SHALL ABIDE BY ALL PROVISIONS OF THE APPLICABLE CITY AND OR COUNTY STORM DRAINAGE AND EROSION CONTROL ORDINANCES AS WELL AS THE SOUTH CAROLINA SEDIMENT REDUCTION ACT.
4. ALL CONSTRUCTION STAKING SHALL BE PROVIDED AT THE CONTRACTORS EXPENSE.
5. AS-BUILT DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR TO THE ENGINEER AND CERTIFIED AS CORRECT BY A LAND SURVEYOR LICENSED TO PRACTICE IN SOUTH CAROLINA.
6. PAVEMENT PATCHING & RESURFACING MUST BE COMPLETED WITHIN 5 DAYS AFTER COMPLETION OF GRADING ACTIVITIES. SMALL PATCH AREAS CAN BE MAINTAINED WITH TEMPORARY PAVEMENT PATCHING OR CABC STONE UNTIL PERMANENT PATCHING IS COMPLETE.
7. ALL WATER LINE WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE APPLICABLE CITY AND OR COUNTY SPECIFICATIONS AND REGULATIONS.
8. CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO PROTECT EXISTING UTILITIES SUCH AS POWER POLES, GUY WIRES, ETC. FROM DAMAGE.
9. ANY STRUCTURES, OTHER THAN EXISTING UTILITIES, SUCH AS MAIL BOXES, FENCES, WALLS, ETC., DISTURBED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REBUILT OR RESTORED TO ORIGINAL OR BETTER CONDITION.
10. ANY DRAINAGE STRUCTURES, SUCH AS PIPES, PAVED DITCHES, GRASSED SWALES, ETC., DISTURBED OR DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REBUILT OR RESTORED TO ORIGINAL OR BETTER CONDITION.
11. ALL DISTURBED AREAS RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE GRADED, SMOOTHED & GRASSED IMMEDIATELY UPON COMPLETION OF UTILITY INSTALLATION.
12. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL PERMITS HAVE BEEN OBTAINED FROM SCDES AND THE APPLICABLE CITY AND OR COUNTY.
13. CONTRACTOR SHALL NOTIFY THE THE APPLICABLE CITY AND OR COUNTY 48 HOURS PRIOR COMMENCING CONSTRUCTION.
14. ALL ELEVATIONS ARE REFERENCED TO NAVD88.
15. PRIOR TO CONSTRUCTION, ALL EASEMENTS FOR UTILITIES TO BE PLACED ON ADJACENT PROPERTIES SHALL HAVE BEEN OBTAINED BY THE DEVELOPER.
16. ALL EXCAVATIONS FOR THIS PROJECT ARE UNCLASSIFIED. WHEN EXCAVATING, REMOVE ALL MATERIALS ENCOUNTERED.
17. NO USAGE OF WATER SHALL BE ALLOWED UNTIL OPERATING PERMITS ARE OBTAINED FROM SCDES AND THE APPLICABLE CITY AND OR COUNTY.
18. ALL TEES, BENDS, ETC. FROM 2-1/2" TO 6" MUST BE PROVIDED WITH THRUST BLOCKING, TIE RODS, OR OTHER APPROVED RESTRAINING METHODS TO PREVENT MOVEMENT.
19. NO VALVES OR STRUCTURES SHALL BE PLACED IN THE PAVEMENT OR IN THE WAY OF CURB AND GUTTER.

SANITARY SEWER CONSTRUCTION NOTES

1. LOCATION OF UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES, AND ANY AND ALL DAMAGES RESULTING FROM THE FAILURE TO DO SO. CONTACT UTILITY PROTECTION SERVICE AT 811 MONDAY THROUGH FRIDAY, 7:00 AM TO 7:00 PM, EXCLUDING HOLIDAYS AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION FOR LOCATION OF MOST UTILITIES.
2. CONTRACTOR SHALL MAINTAIN A DEPTH OF COVER OF AT LEAST 3' WITH RESPECT TO FINISHED GRADES FOR ALL SANITARY SEWER LINES, OR USE SAME DIAMETER OF DUCTILE IRON PIPE (DIP).
3. CONTRACTOR SHALL ABIDE BY ALL PROVISIONS OF THE APPLICABLE CITY AND OR COUNTY STORM DRAINAGE AND EROSION CONTROL ORDINANCES AS WELL AS THE SOUTH CAROLINA SEDIMENT REDUCTION ACT.
4. ALL CONSTRUCTION STAKING SHALL BE PROVIDED AT THE CONTRACTORS EXPENSE.
5. AS-BUILT DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR TO THE ENGINEER AND CERTIFIED AS CORRECT BY A LAND SURVEYOR LICENSED TO PRACTICE IN SOUTH CAROLINA.
6. PAVEMENT PATCHING & RESURFACING MUST BE COMPLETED WITHIN 5 DAYS AFTER COMPLETION OF GRADING ACTIVITIES. SMALL PATCH AREAS CAN BE MAINTAINED WITH TEMPORARY PAVEMENT PATCHING OR CABC STONE UNTIL PERMANENT PATCHING IS COMPLETE.
7. ALL SANITARY SEWER LINE WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE THE APPLICABLE CITY AND OR COUNTY SPECIFICATIONS AND REGULATIONS.
8. CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO PROTECT EXISTING UTILITIES SUCH AS POWER POLES, GUY WIRES, ETC. FROM DAMAGE.
9. ANY STRUCTURES, OTHER THAN EXISTING UTILITIES, SUCH AS MAIL BOXES, FENCES, WALLS, ETC., DISTURBED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REBUILT OR RESTORED TO ORIGINAL OR BETTER CONDITION.
10. ANY DRAINAGE STRUCTURES, SUCH AS PIPES, PAVED DITCHES, GRASSED SWALES, ETC., DISTURBED OR DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REBUILT OR RESTORED TO ORIGINAL OR BETTER CONDITION.
11. ALL DISTURBED AREAS RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE GRADED, SMOOTHED & GRASSED IMMEDIATELY UPON COMPLETION OF UTILITY INSTALLATION.
12. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL PERMITS HAVE BEEN OBTAINED FROM SCDES AND THE APPLICABLE CITY AND OR COUNTY.
13. NO SEWER SYSTEM USAGE SHALL BE ALLOWED UNTIL OPERATING PERMITS ARE OBTAINED FROM SCDES AND THE APPLICABLE CITY AND OR COUNTY.
14. CONTRACTOR SHALL NOTIFY THE THE APPLICABLE CITY AND OR COUNTY 48 HOURS PRIOR COMMENCING CONSTRUCTION.
15. ALL ELEVATIONS ARE REFERENCED TO NAVD88 DATUM.
16. CONTRACTOR SHALL VERIFY ALL SEWER MANHOLE RIM ELEVATIONS PRIOR TO CONSTRUCTION TO INSURE A MINIMUM OF 3" PROJECTION ABOVE FINISH GRADE ELEVATION.
17. ALL EXCAVATIONS FOR THIS PROJECT ARE UNCLASSIFIED. WHEN EXCAVATING, REMOVE ALL MATERIALS ENCOUNTERED.
18. NO NEW MANHOLES OR STRUCTURES SHALL BE PLACED IN THE WAY OF PAVEMENT OR CURB & GUTTER.

SC811 - CALL BEFORE YOU DIG

South Carolina 811.
Call 811 Before You Dig

THE UTILITIES ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY TO VERIFY THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR

REFERENCE SCALE

GRAPHIC SCALE

(IN FEET)
1 inch = 10 ft.

BECKER
MORGAN
GROUP

ARCHITECTURE
ENGINEERING

North Carolina
1942 East 7th Street, Suite 240
Charlotte, NC 28204
980.270.9100

3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600

314 East Main Street
Clayton, NC 27520
919.243.1332

Maryland
312 West Main St, Suite 300
Salisbury, MD 21801
410.546.9100

Delaware
309 S Governors Ave
Dover, DE 19904
302.734.7950

The Tower at STAR Campus
100 Discovery Boulevard, Suite 102
Newark, DE 19713
302.369.3700

www.beckermorgan.com

CONSULTANT INFORMATION

CASE CONSULTING, INC.
STRUCTURAL ENGINEERING
840 SHULL STREET, SUITE 100
WEST COLUMBIA, SC 29169
ph 803.926.1600 fax 803.926.1610

GWA, INC.
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168 LAURELHURST AVE
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MECA ENGINEERING
MECHANICAL / PLUMBING ENGINEERING
2230 MAIN ST
COLUMBIA, SC 29201
ph 803.765.9421

CHAO & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
7 CLUSTERS COURT
COLUMBIA, SC 29210
ph 803.772.8420

PROJECT RECORD SEAL

No. 21629
GERALD A LEE
07-31-2026

CHAO & ASSOCIATES
No. C00357

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

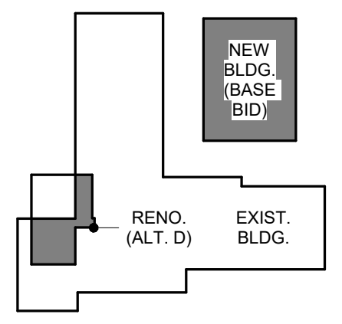
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

UTILITY CONNECTION PLAN

KEY MAP



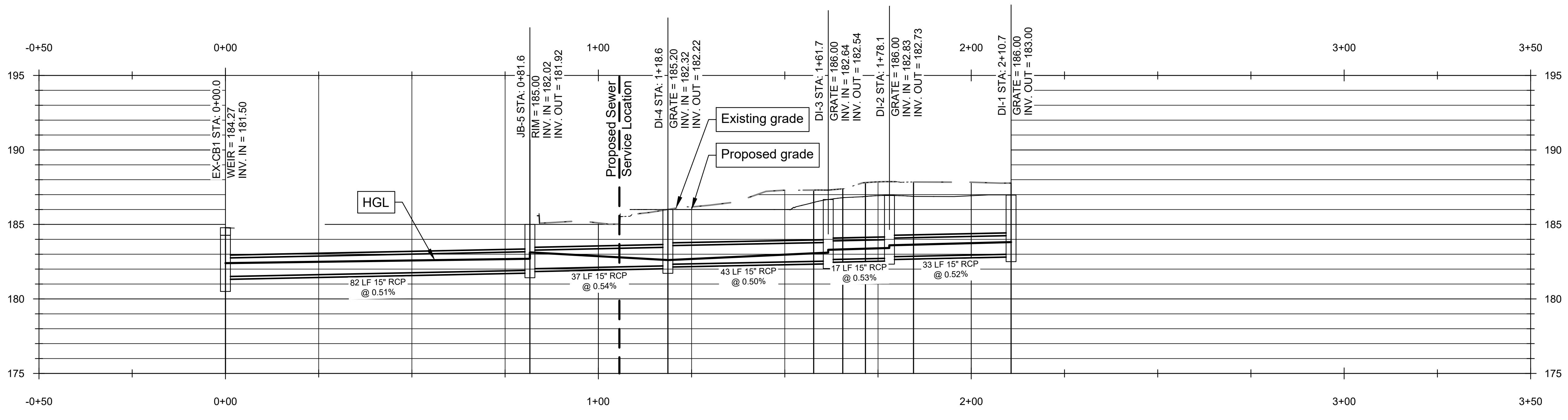
ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 07.31.2026
SCALE: 1" = 20'
DRAWN BY: EYC
PROJ MGR: GAL

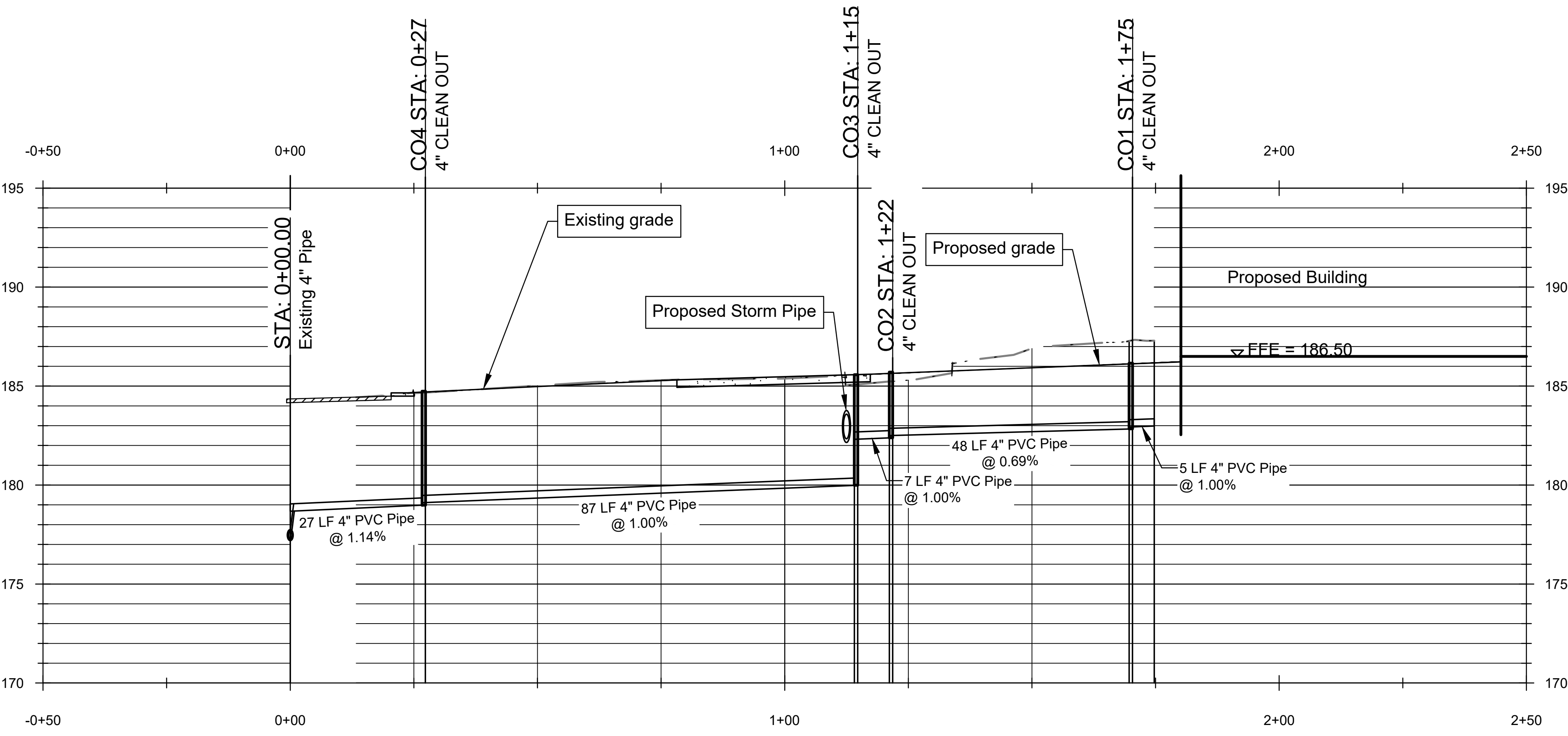
C400

7/14/2026 3:07:00 PM Autodesk Docs://Samaritan House – Cafeteria MP Room/202601700.rvt



Profile View of Storm Pipe

Scale: 1" = 20' (Horiz.)
1" = 5' (Vert.)



Profile View of SanitarySewer

Scale: 1" = 20' (Horiz.)
1" = 5' (Vert.)

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PROJECT RECORD SEAL

No. 21629
GERALD A LEE

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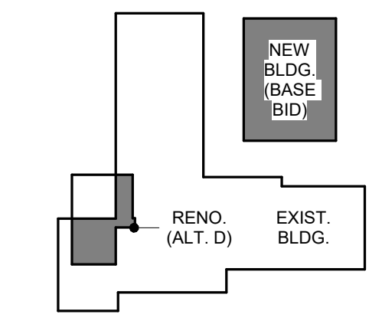
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

UTILITY PROFILES

KEY MAP



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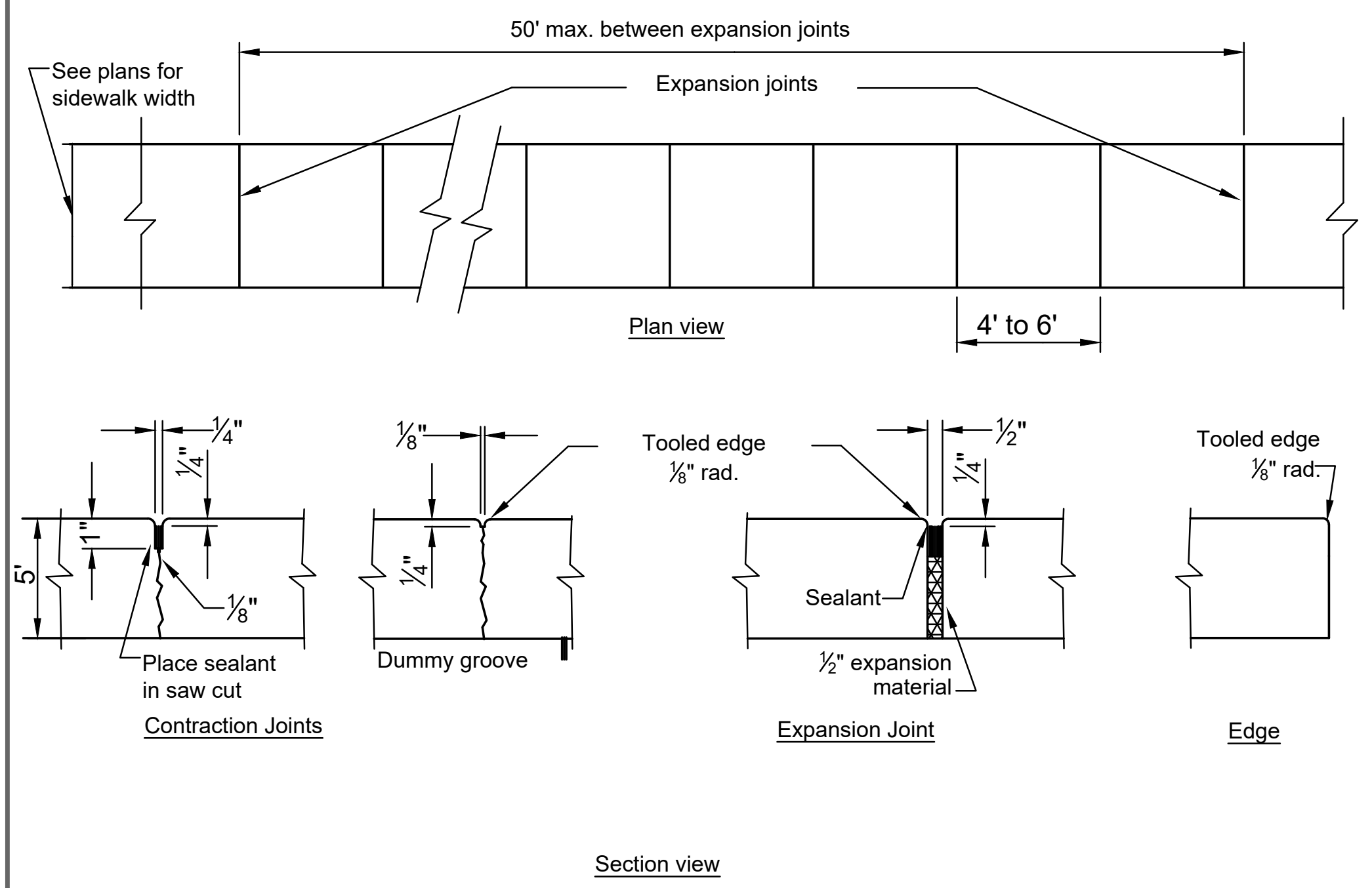
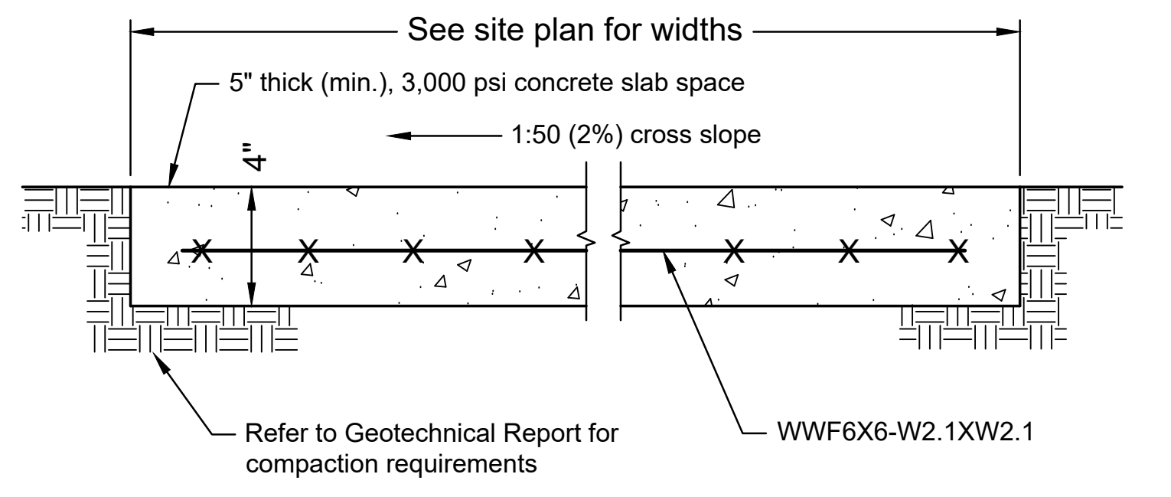
C401

Autodesk Docs://Samaritan House – Cafeteria MP Room/202601700.rvt
7/14/2026 3:07:00 PM

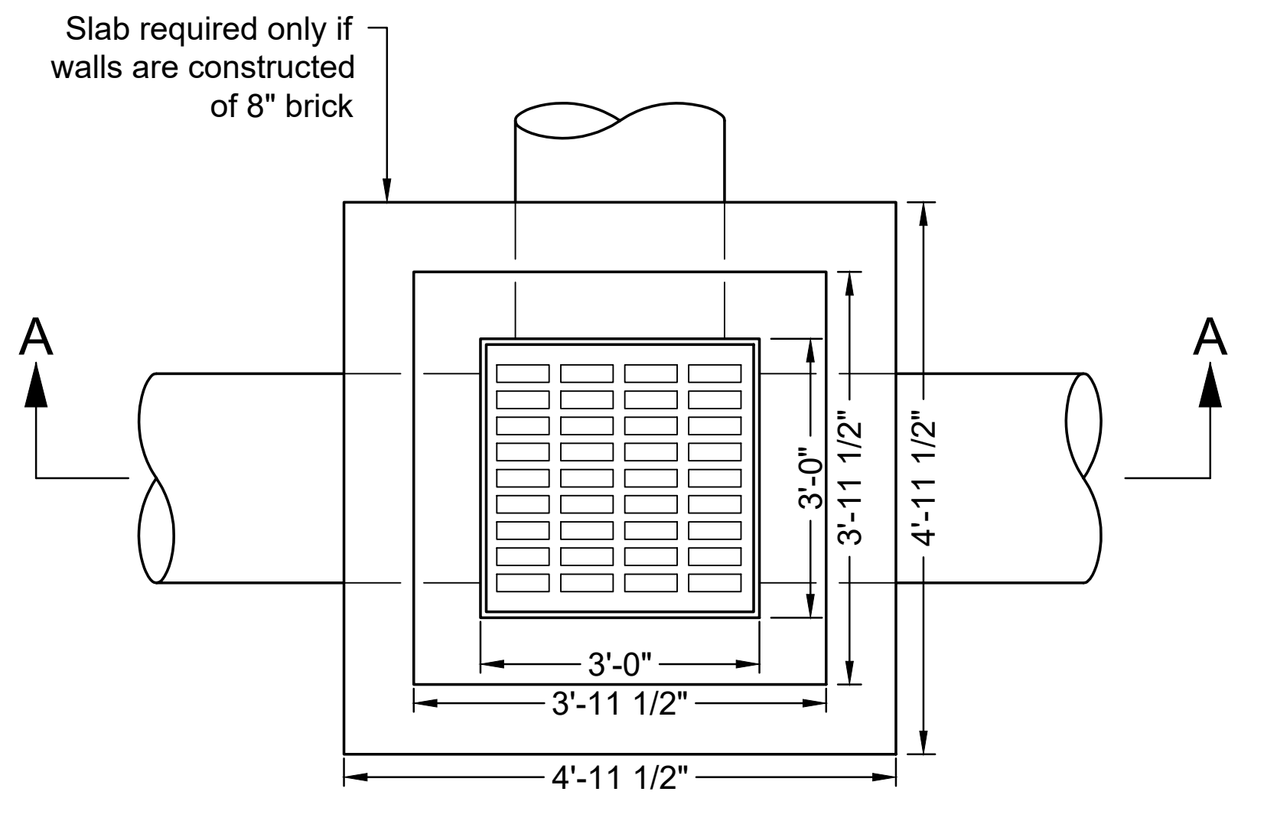


SIDEWALK DETAIL
Not to scale


See site plan for widths
5" thick (min.), 3,000 psi concrete slab space
1:50 (2%) cross slope
4"
Refer to Geotechnical Report for compaction requirements
WWF6X6-W2.1XW2.1

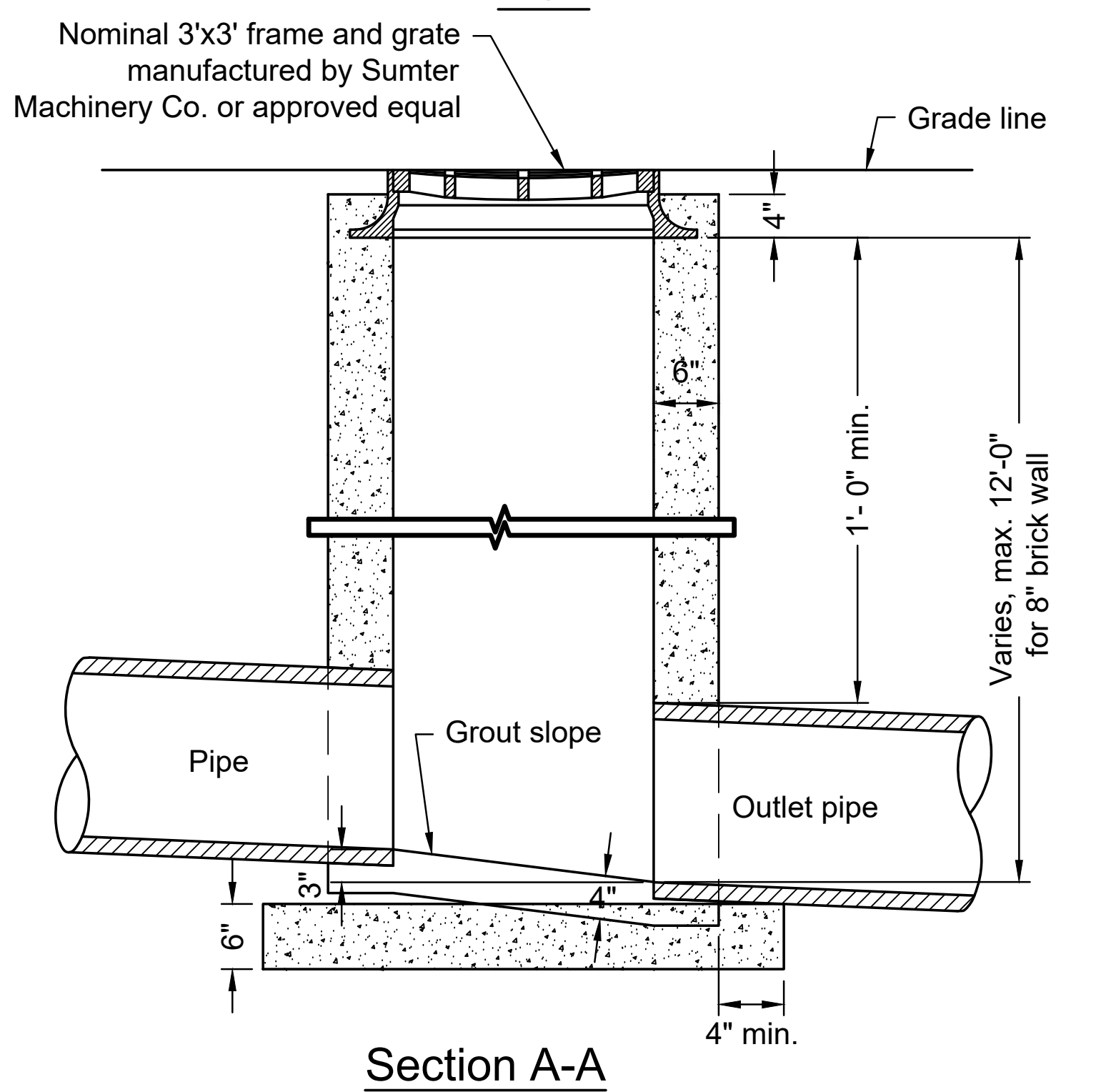
Notes:
1. The cross slope of sidewalk shall not exceed 2%.
2. The longitudinal slope of sidewalk shall not exceed 5%.

TYPICAL CONCRETE SECTION
Not to Scale



Note: dimension for 6" concrete walls. Add 4" for 8" brick walls.

Plan


Nominal 3'x3' frame and grate manufactured by Sumter Machinery Co. or approved equal
Grade line
4"
8"
1'- 0" min.
Varies, max. 12'-0" for 8" brick wall
Pipe
Grout slope
Outlet pipe
3"
4"
6"
4" min.

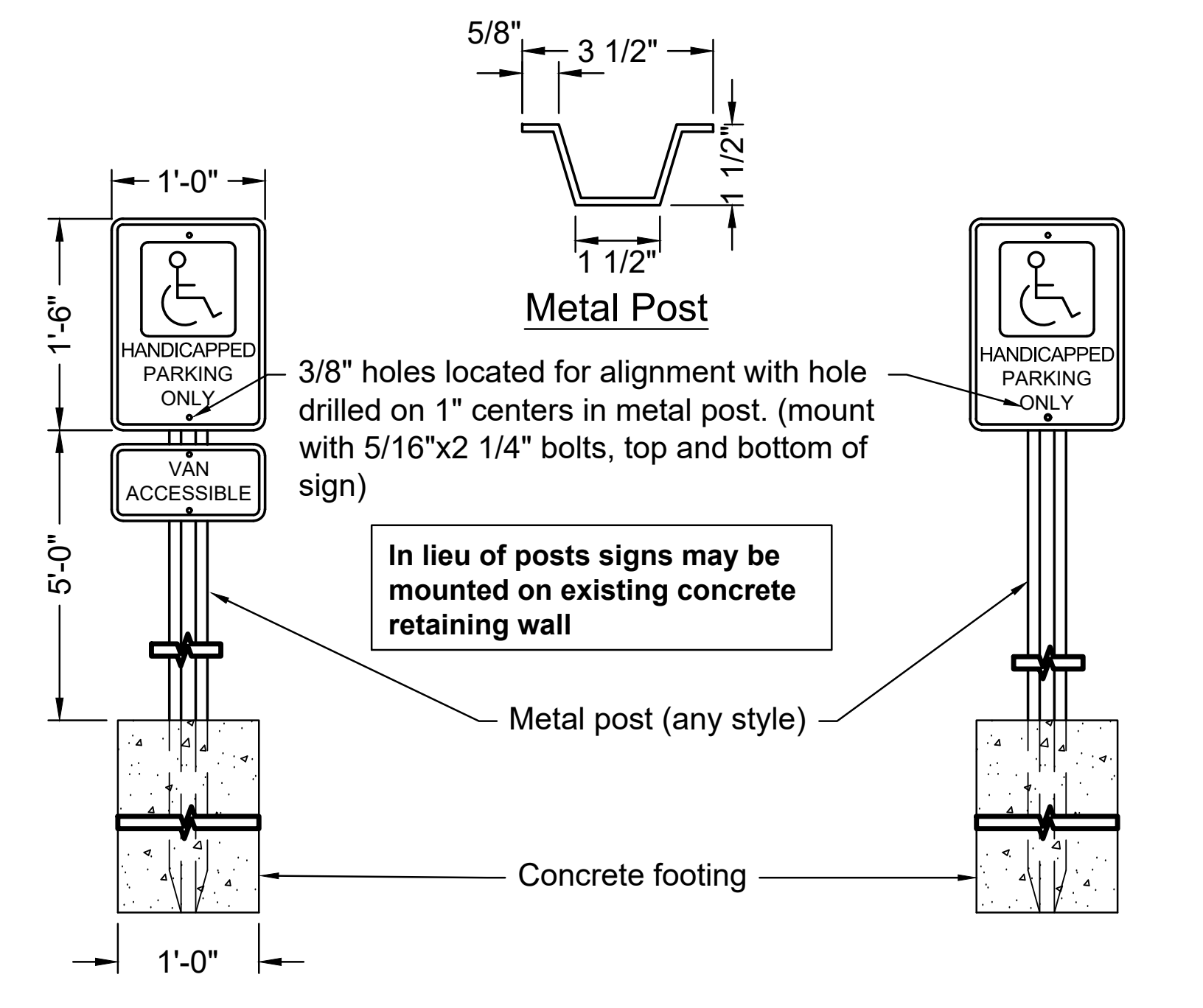
Section A-A

Notes:
1. Drop inlet may be constructed of class 'a' concrete, 8" brick, or precast concrete.
2. Concrete inlets shall have 6" thick walls and 4" thick bottom.
3. Brick inlets shall have 8" thick walls and 6" thick bottom slab.
4. Minimum inside dimensions shall be 3'-0" x 3'-0" for pipes 24" i.D. And less. For pipes 30" I.D. and greater minimum inside dimensions shall be pipe O.D. +6" each side of pipe.
5. After frame and grate are set, final 4" class 'a' concrete is to be poured flush with the outside edge of the drop inlet on all sides.
6. Metal steps are to be set in wall if inlet depth exceeds 4'-6". Said steps to conform to S.C.D.H.P.T. Drawing No. 719-1.
7. Corbel brick work as required on brick inlets to provide 4" minimum clearance between pipe and brick walls.
8. Ends of all pipes shall be flush with inside wall of inlet.
9. Concrete inlets constructed on sandy soil shall have 1/2" reinforcing steel placed 8"o. c. horizontal and 14"o. c. vertical with 2" clearance from inside face of concrete.

TYPICAL DROP INLET
Not to Scale

502.6 identification. Parking space identification signs shall include the international symbol of accessibility complying with 703.7.2.1. Signs identifying van parking spaces shall contain the designation "VAN ACCESSIBLE." signs shall be 60 inches (1525 mm) minimum above the finish floor or ground surface measured to the bottom of the sign.

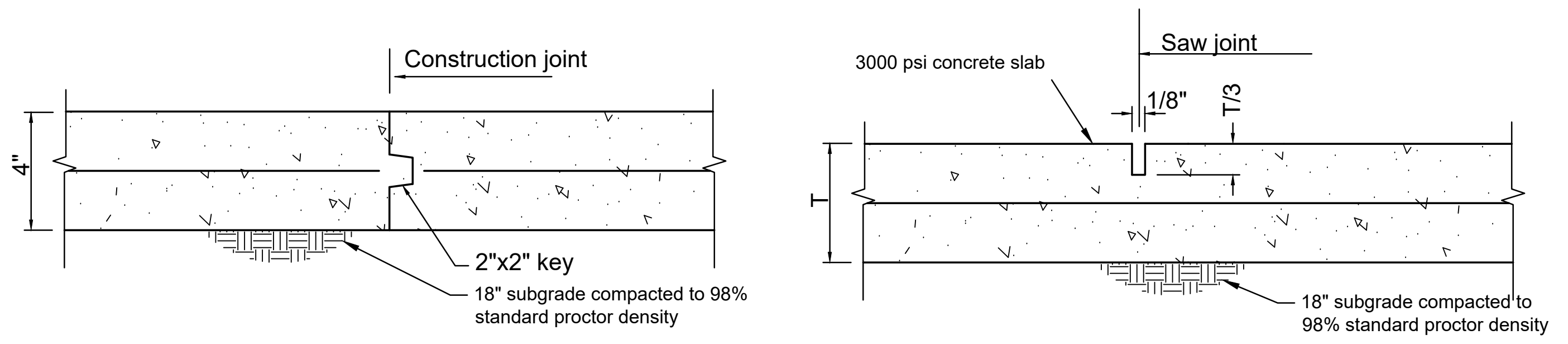
Notes:
1. Metal post to be galvanized. All bolts, nuts, washers and screws must be rustproof. (post may be any style.)
2. Concrete for footing shall be of portland cement and have a minimum compressive strength of 3,000 P.S.I.
3. Signs will be fabricated by using a reflecting coating in the symbol, message and borders applied to a sheet aluminum backing (0.80) in thickness.
4. Message lettering shall be upper case (white, series b) 2" high in accordance with manual on uniform traffic control devices.
5. The symbol is composed of two elements; a white wheelchair figure (which should always face right) on a square background, international blue in color (Fed. Std. 595A, color #15180).
6. Sign post shall be minimum of 2'-0" clear from back of sidewalk, except where otherwise shown. See plans for location of signs.


5/8"
3 1/2"
1 1/2"
1 1/2"
Metal Post
1'-0"
1'-6"
5'-0"
HANDICAPPED PARKING ONLY
VAN ACCESSIBLE
3/8" holes located for alignment with hole drilled on 1" centers in metal post. (mount with 5/16"x2 1/4" bolts, top and bottom of sign)
In lieu of posts signs may be mounted on existing concrete retaining wall
Metal post (any style)
Concrete footing
1'-0"
HANDICAPPED PARKING ONLY

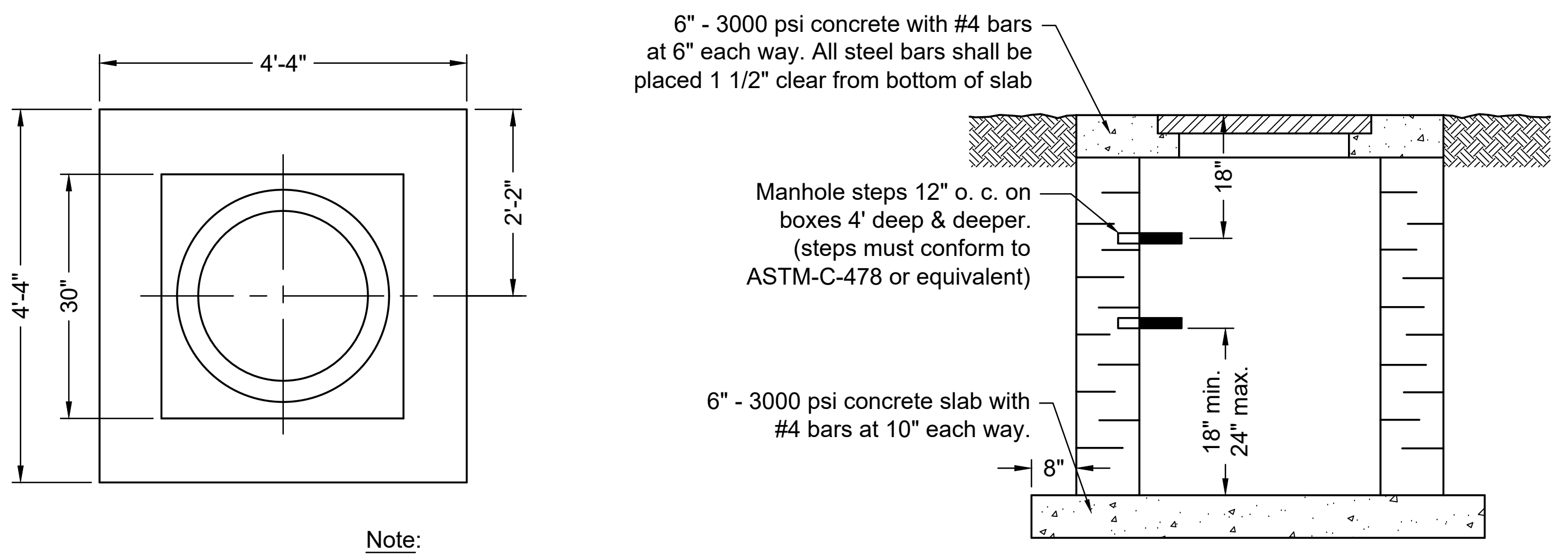
Van Accessible Sign

Automobile Sign

HANDICAP SIGN
Not to Scale

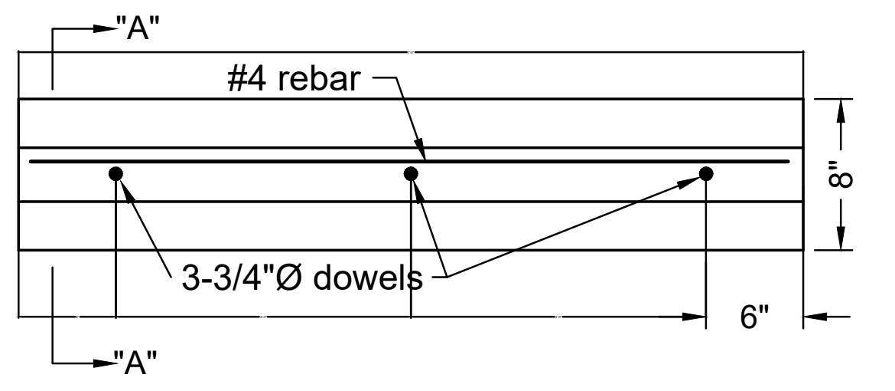

Construction joint
4"
2"x2" key
18" subgrade compacted to 98% standard proctor density
3000 psi concrete slab
Saw joint
1/8"
T/3
T
18" subgrade compacted to 98% standard proctor density

CONTROL JOINT DETAILS
Not to Scale

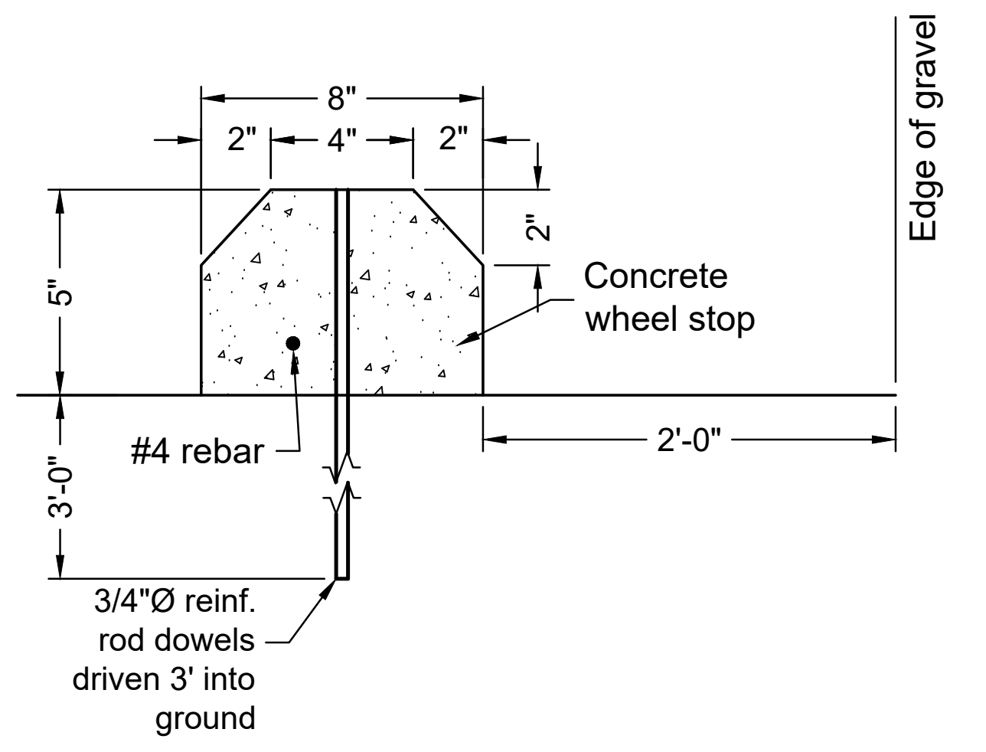

4'-4"
4'-4"
30"
2'-2"
6" - 3000 psi concrete with #4 bars at 6" each way. All steel bars shall be placed 1 1/2" clear from bottom of slab
18"
Manhole steps 12" o. c. on boxes 4' deep & deeper. (steps must conform to ASTM-C-478 or equivalent)
6" - 3000 psi concrete slab with #4 bars at 10" each way.
8"
18" min. 24" max.

Note:
Manhole steps to be located so that they are accessible from the manhole opening.

Junction Box Detail
Not to Scale



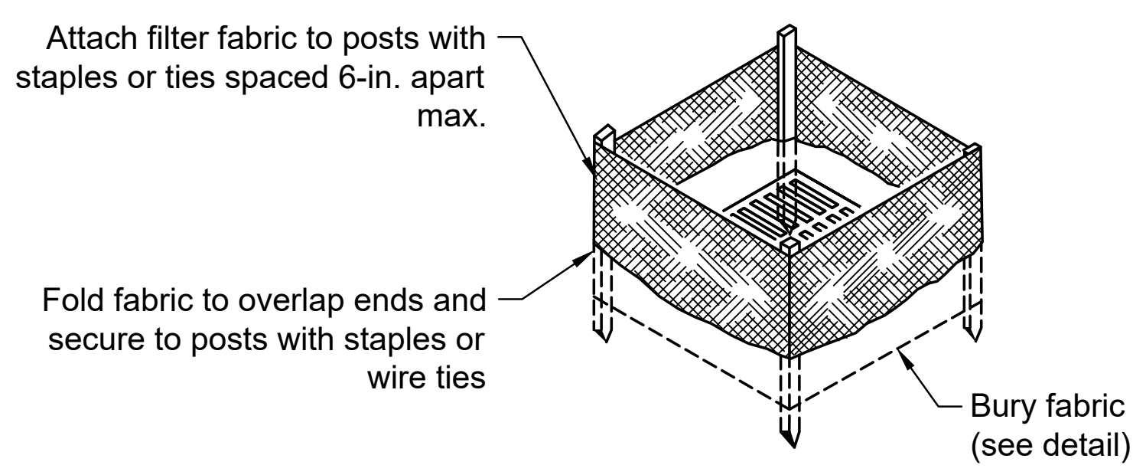
Plan



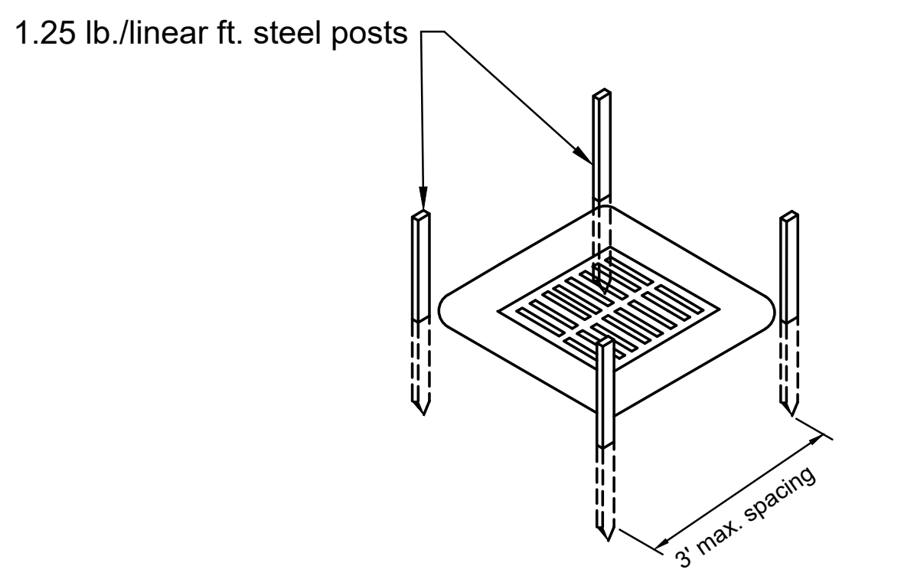
Section

Note:
Wheel stop to be centered in parking space

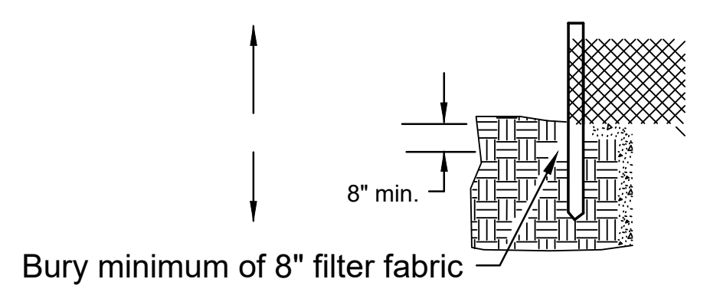
WHEEL STOP DETAIL
Not To Scale


Attach filter fabric to posts with staples or ties spaced 6-in. apart max.
Fold fabric to overlap ends and secure to posts with staples or wire ties
Bury fabric (see detail)

Filter Fabric Installation Detail



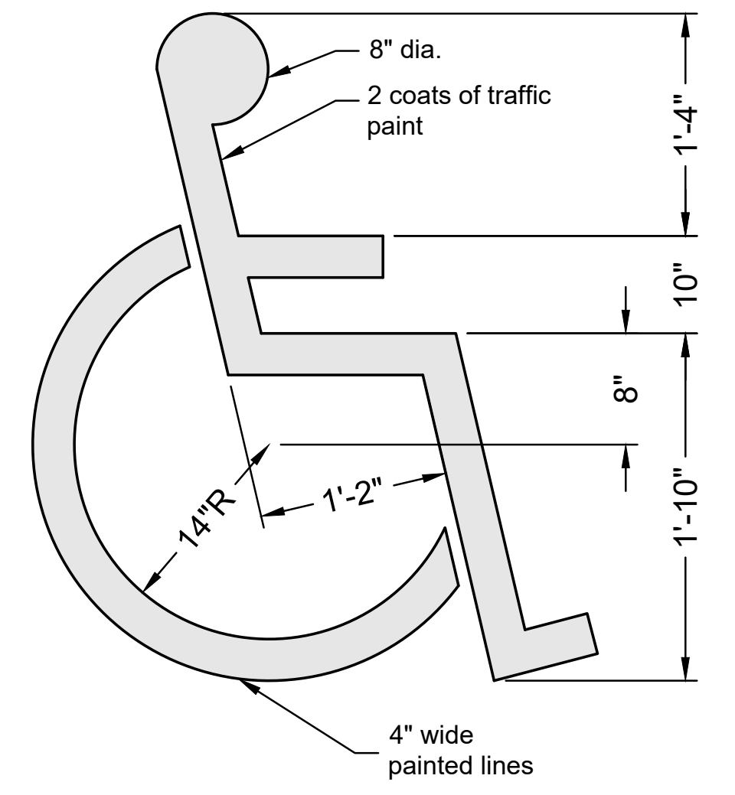
Post Installation Detail



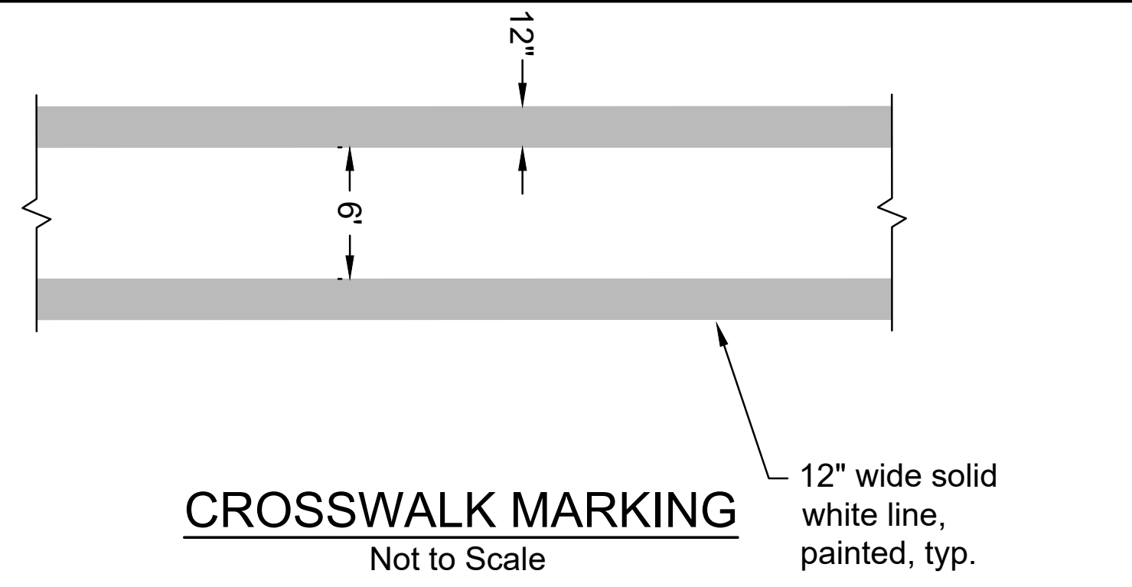
Filter Fabric Burial Detail

Note:
Contractor shall remove sediment accumulated along the fence when it reaches 1/3 the height of the fence

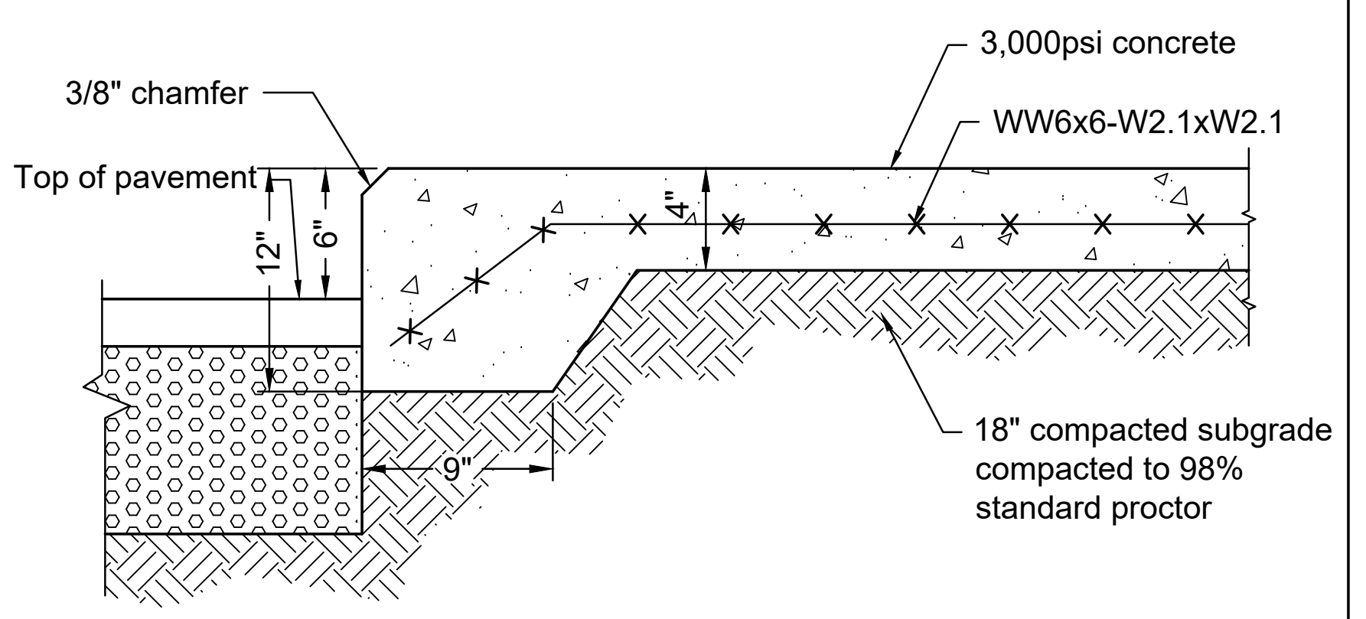
FILTER FABRIC INLET PROTECTION DETAIL
Not to scale



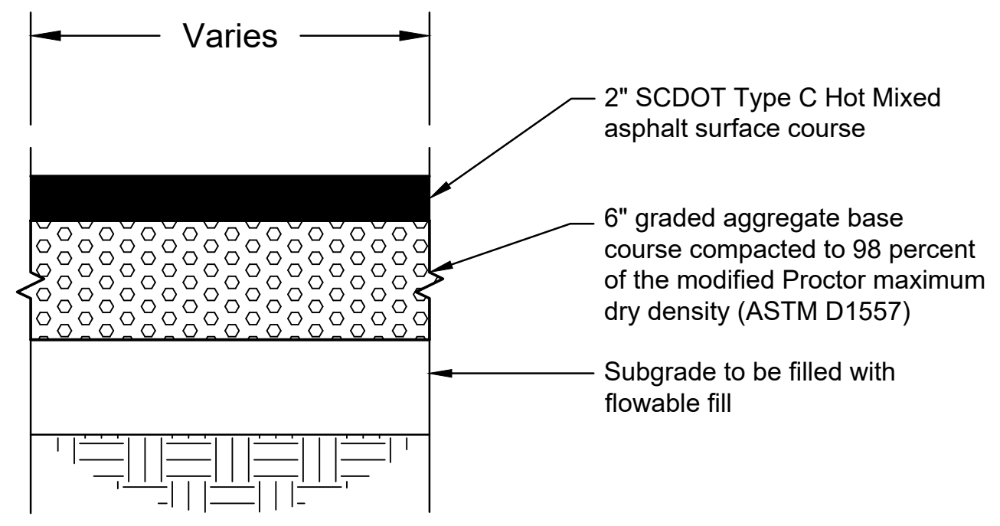
HANDICAP PARKING SYMBOL DETAIL
Not to scale



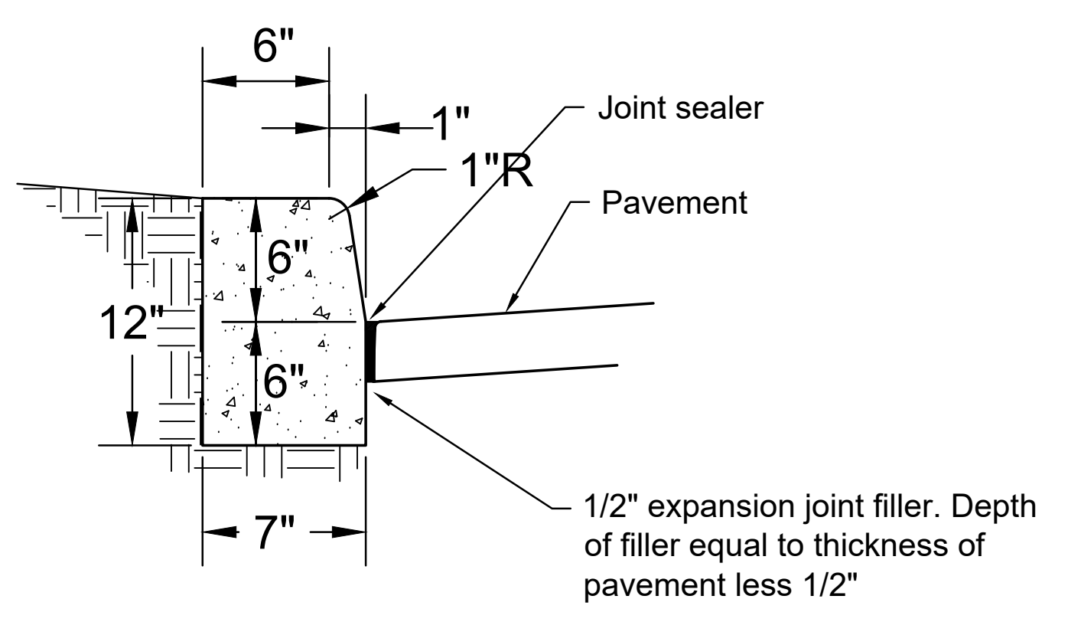
CROSSWALK MARKING
Not to Scale



TYPICAL SIDEWALK SECTION W/ INTEGRAL CURB
Not to Scale


Varies
2" SCDOT Type C Hot Mixed asphalt surface course
6" graded aggregate base course compacted to 98 percent of the modified Proctor maximum dry density (ASTM D1557)
Subgrade to be filled with flowable fill

ASPHALT PAVEMENT REPAIR SECTION
Not to Scale


6"
1"
Joint sealer
1"R
Pavement
12"
6"
6"
7"
1/2" expansion joint filler. Depth of filler equal to thickness of pavement less 1/2"

Notes:
1. Vertical curb shall be constructed in 10 foot lengths (maximum).
2. A 1/2" expansion joint shall be provided at intervals not to exceed 50 feet, at the ends and mid-point of returns, and at any point where the new vertical curb abuts other concrete structures.

Detail of 6" Concrete Vertical Curb
Not to Scale

Permanent Seeding Upstate

Species	Lbs/Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bahiagrass (Alone)	40				▨	▨	▨	▨					
Bahiagrass (Mix)	30				▨	▨	▨	▨					
Bermuda Grass (Hulled) (Alone)	8-12					▨	▨	▨	▨				
Bermuda Grass (Hulled) (Mix)	46					▨	▨	▨	▨				
Fescue, Tall (KY31) Alone	40										▨	▨	▨
Fescue, Tall (KY31) mix	20										▨	▨	▨
Sericea Lespedeza (Scarified) Alone or Mix (inoculate with EL Innoculant	40					▨	▨	▨	▨				
Ladino Clover (mix only) Innoculate with AB Innoculant	2										▨	▨	▨
For Steep Slopes / Cut Slopes													
Weeping Lovegrass (Alone)	4					▨	▨	▨	▨				
Weeping Lovegrass (Mix)	2					▨	▨	▨	▨				
Crownvetch (Mix) (Inoculate with Type M Innoculant	8-10			▨	▨	▨							

Temporary Seeding - Upstate

Species	lbs./ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Browntop Millet (Alone)	40				▨	▨	▨	▨	▨				
Browntop Millet (Mix)	10				▨	▨	▨	▨	▨				
Rye Grain (Alone)	56		▨	▨						▨	▨	▨	▨
Rye Grain (Mix)	10		▨	▨						▨	▨	▨	▨
Rye Grain (Alone)	50									▨	▨	▨	
Rye Grain (Mix)	8									▨	▨	▨	
For Steep Slopes / Cut Slopes													
Weeping Lovegrass (Alone)	4				▨	▨	▨	▨					
Weeping Lovegrass (Mix)	2				▨	▨	▨	▨					

SEEDING SCHEDULE
Not to Scale

Construction Sequence:
1. Receive stormwater approval letter from City of Orangeburg. Receive utility approval letters from the Orangeburg DPU.
2. Conduct a pre-construction meeting with City of Orangeburg.
3. Notify City of Orangeburg at least 48 hours before construction begins
4. Place the required documentations (approved, stamped set of construction plans, permits, etc) available in a job box or job trailer and rain gauge onsite.
5. Demolition of existing building and existing items.
6. Installation of utilities and storm drain system with placement of inlet protection as each inlet is installed.
5. Demolition only in SCDOT R/W and provide traffic control as needed for utility connection.
6. *Begin installation of building foundation and utilities.
7. Install water line bore.
8. Rough grading.
9. Permanent stabilization (final seeding or paving)
10. Final inspection by City of Orangeburg before removing temporary erosion controls.
11. Removal of temporary sediment and erosion control measures after entire area draining to the structure is finally stabilized.
12. Provide asbuilt survey drawing signed by professional land surveyor to engineer for Notice of Termination (NOT) and closeout submittal.
13. Provide water and sewer asbuilt survey drawing signed by professional land surveyor, Lien Release form, Material List, Cost of installation per the City of Orangeburg specifications and checklist to engineer for preparation of Permit to Operation permit.
14. Correct any deficiencies per the City of Orangeburg final inspection report.
15. Submit Notice of Termination (NOT) to Orangeburg County once final stabilization is complete

* Vertical construction of buildings to continue during the remaining construction activities.

Applicant's Certification:
"I (we) hereby certify that all clearing, grading, construction and/or development will be done pursuant to this Plan and I (we) are responsible for the land disturbance and related maintenance thereof. City of Orangeburg & SCDES authorities will be allowed to enter the project site for the purpose of on-site inspections."

Owner / Person Financially Responsible

Date: 8-13-2026

Designer's Certification:
"I hereby certify that this Plan is designed to contain soil on the property concerned to the maximum extent, to provide for the protection of the property and the proposed improvements theron from the effects of flooding, to provide for the control of the runoff from the property, and that all provisions for sediment control and storm drainage are in accordance with the stormwater management and sediment control ordinance for the City of Orangeburg & SCDES"

Designer's Signature

Date: 07-31-2026

S.C. Registration Number: 21629
Registered Professional Engineer

BECKER
MORGAN
GROUP

ARCHITECTURE
ENGINEERING

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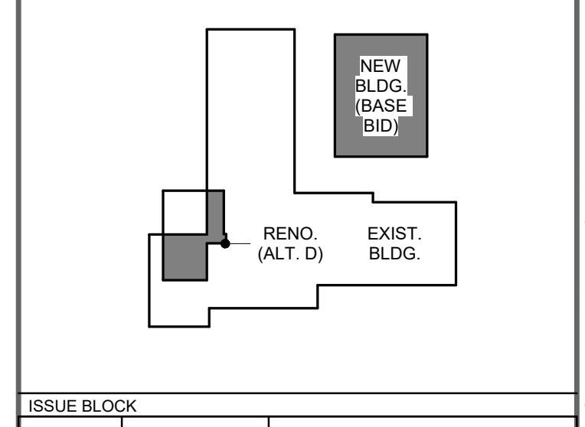
ISSUED: 07.31.2026

SHEET TITLE

DETAILS

KEY MAP



ISSUE BLOCK

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DRAWN BY: EYC
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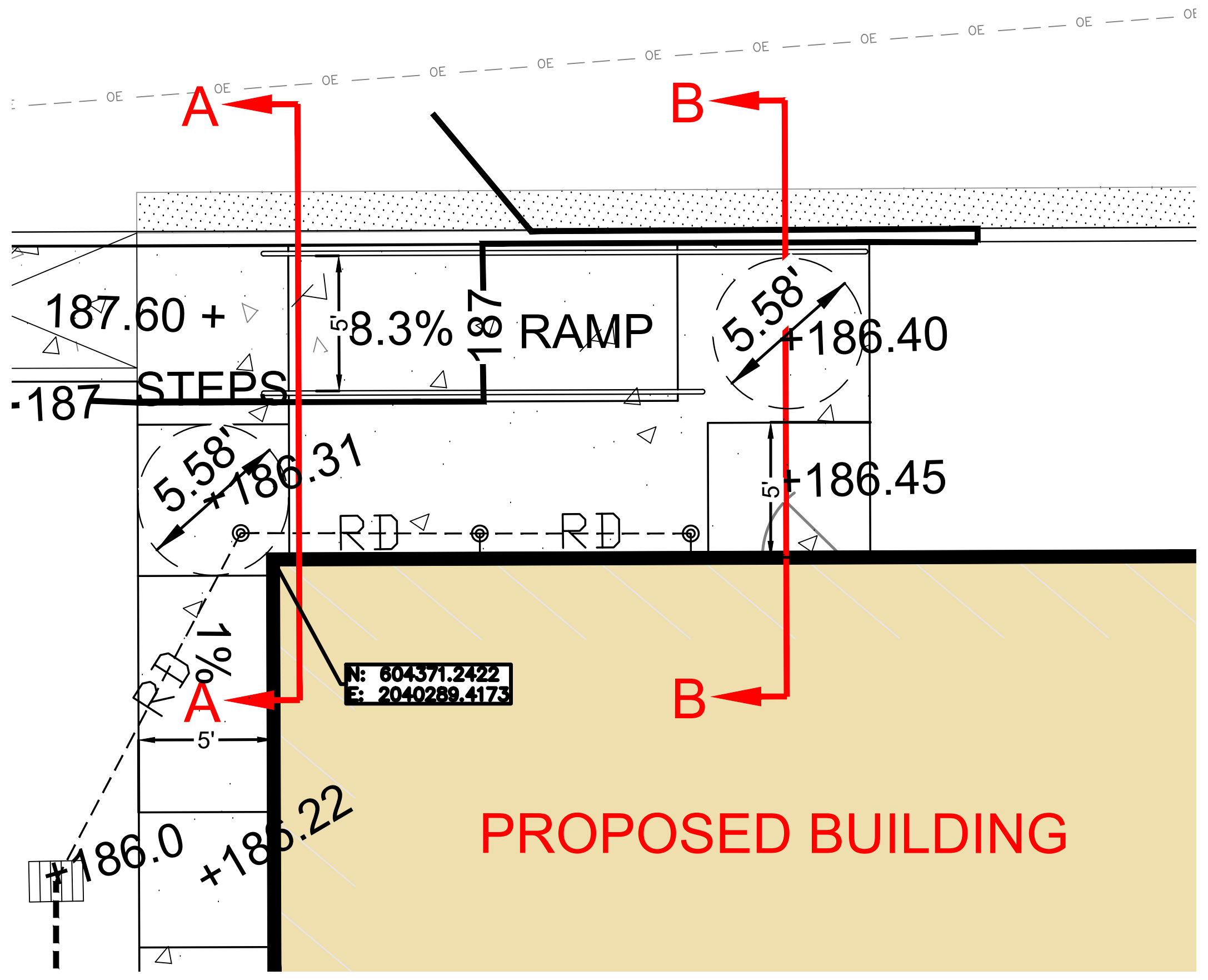
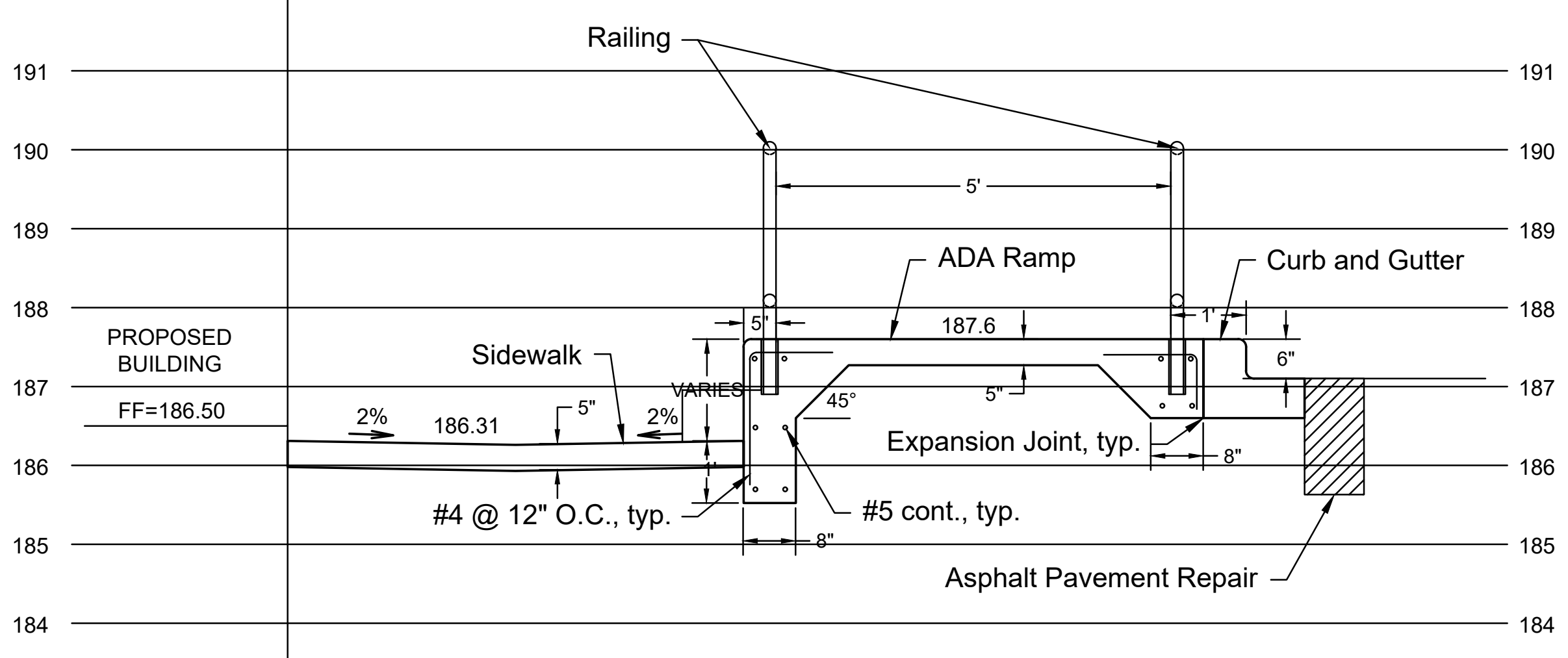
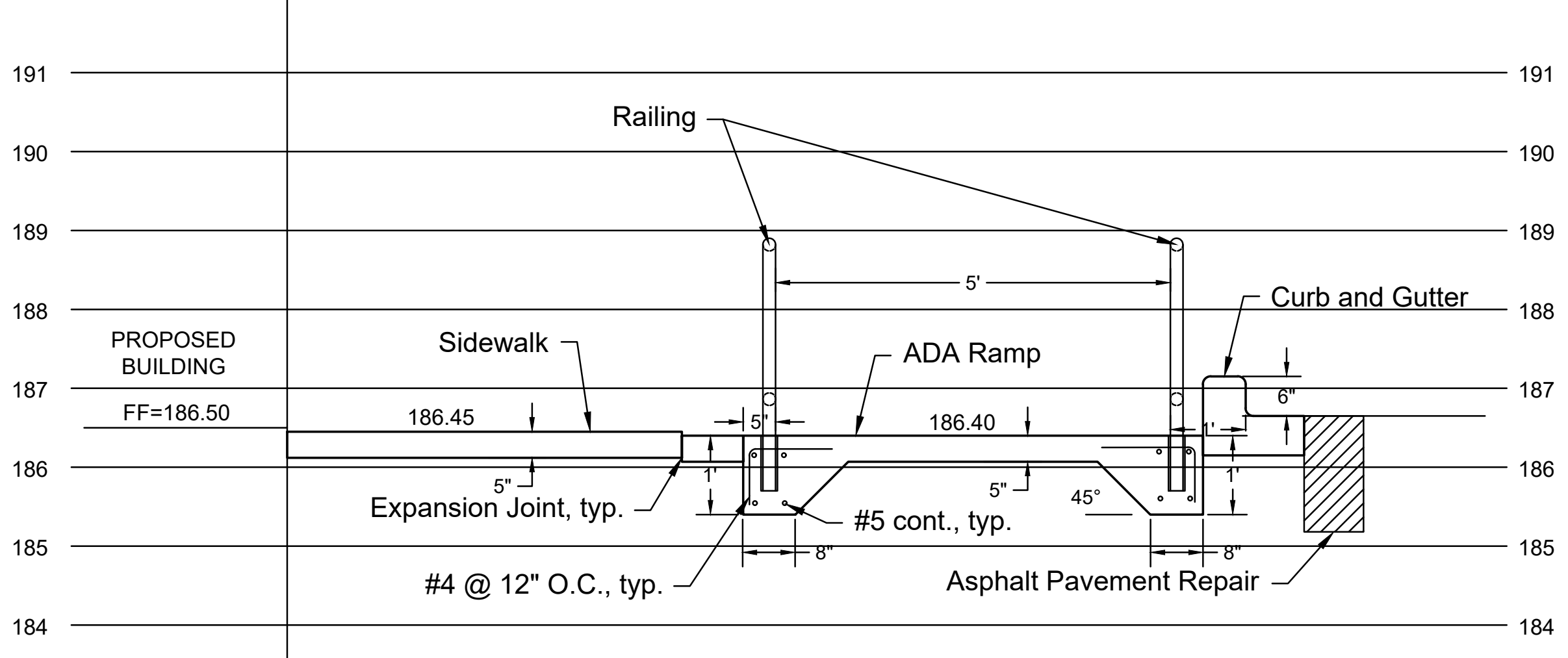
7/14/2026 3:07:00 PM



Refer to architectural
plans for handrail details

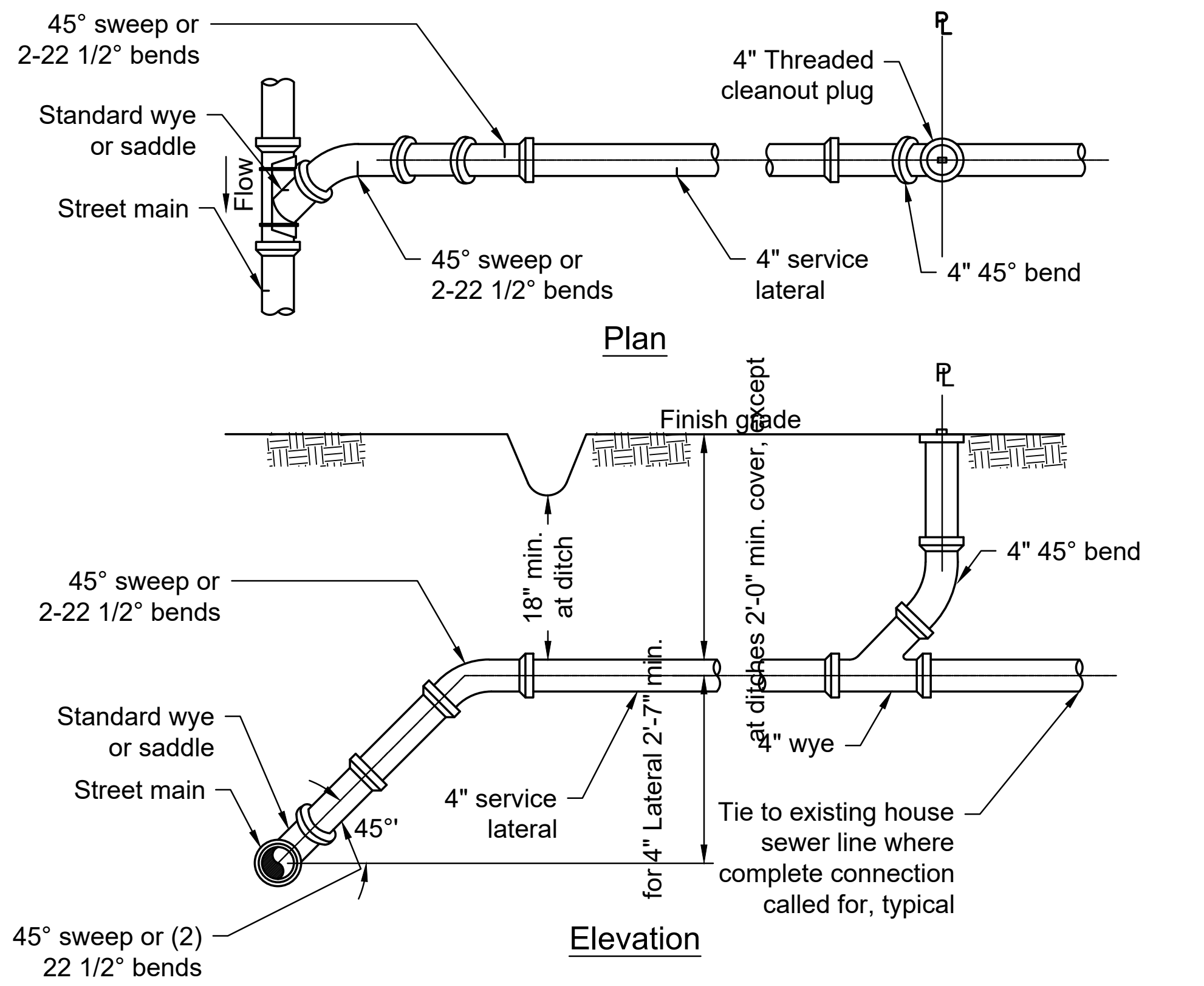


Section A-A



Section B-B

Scale: 1" = 2'



Plan

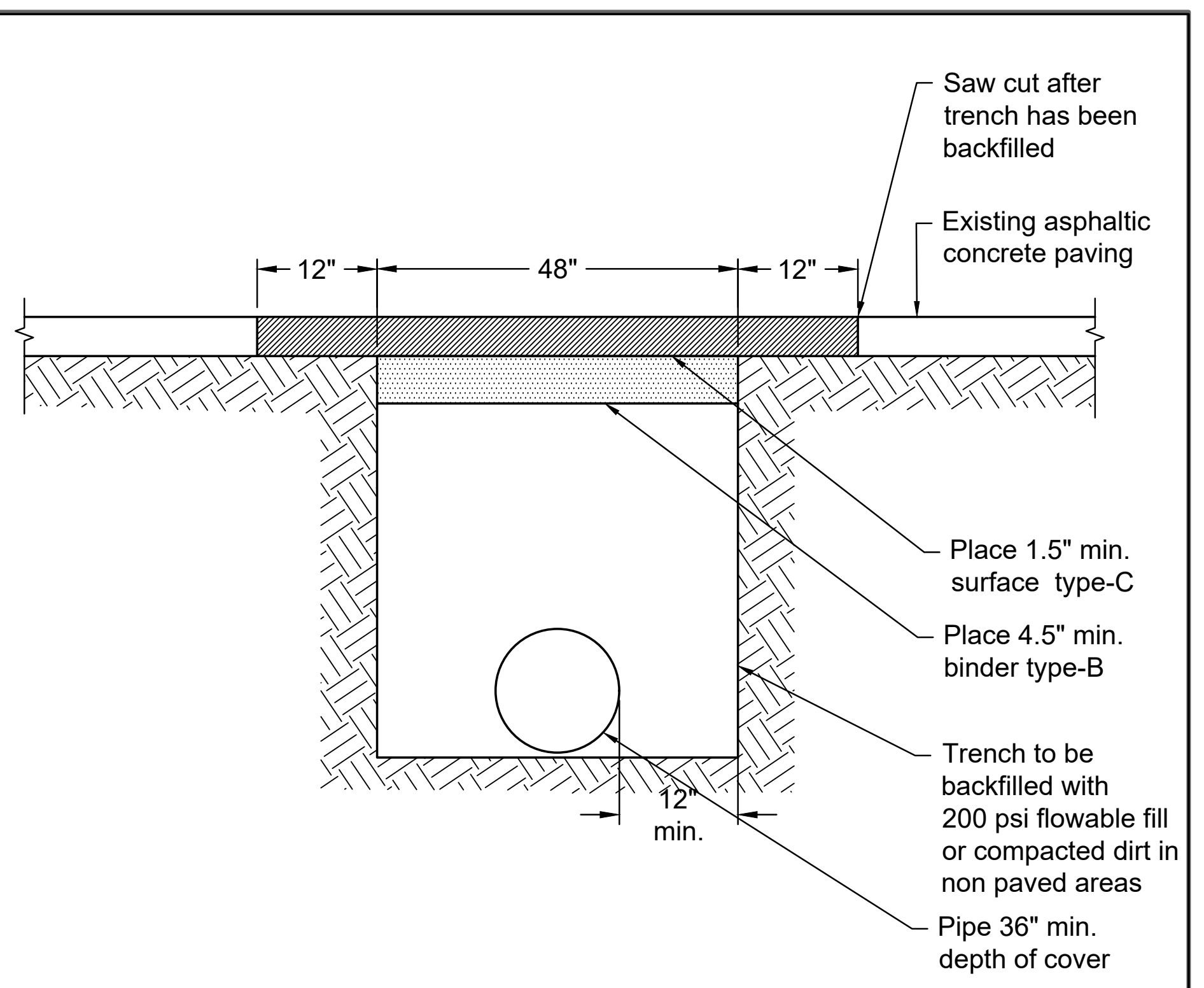
Elevation

NOTES:

1. Location and depth of sanitary laterals to occupied lots to be coordinated with individual property owners.
2. All laterals shall be installed 90° with respect to the sanitary sewer main unless shown otherwise.
3. Use typical service laterals where minimum slope and cover requirements can be met.
4. Cleanouts to be provided on all service laterals at 50' intervals and at changes in direction.

TYPICAL SERVICE LATERAL

Not to Scale

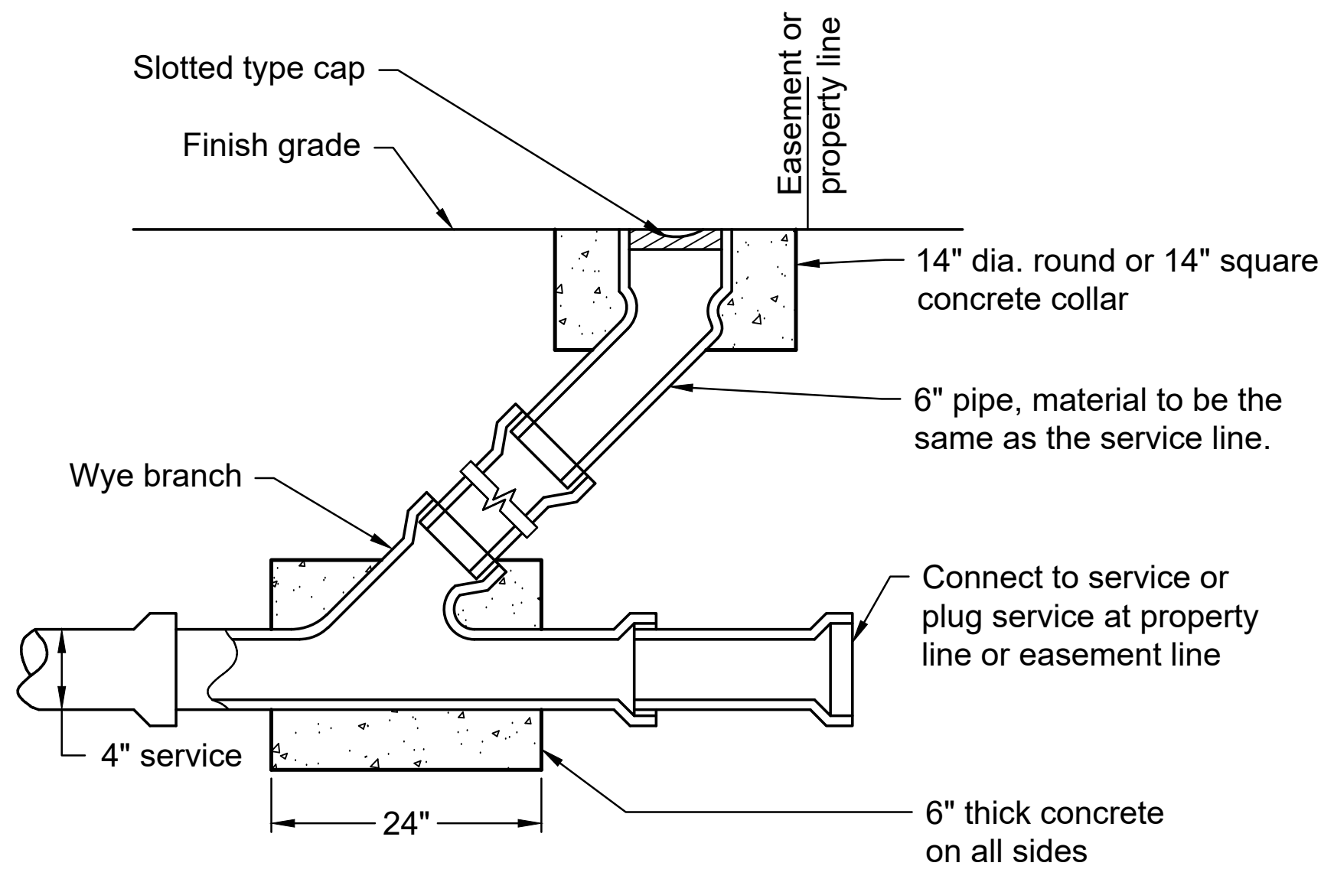


Note:

1. All construction and materials shall be in accordance with SCDOT Standard Specifications.
2. If existing pavement design is greater than this detail. Use existing pavement design.
3. All pavement markings, including paint, thermo and rpm's, shall be replaced back to original standards.

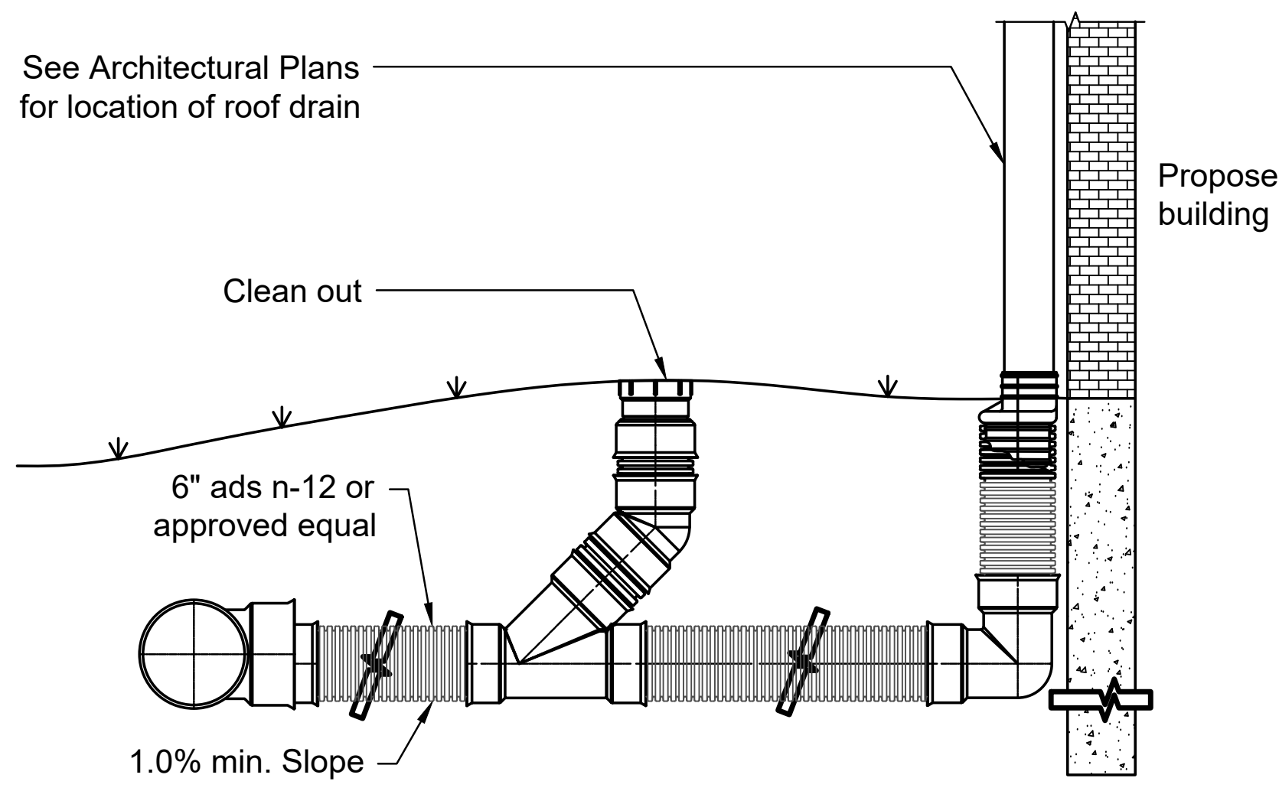
SCDOT PAVEMENT REPAIR SECTION

Not to Scale



TYPICAL CLEAN-OUT DETAIL

Not to Scale



ROOF DRAIN CONNECTION DETAIL

Not to Scale

BECKER
MORGAN
GROUP

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Dover, DE 19904
302.734.7950

The Tower at STAR Campus
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CHAO & ASSOCIATES, INC.

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COLUMBIA, SC 29210

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PROJECT RECORD SEAL

No. 21629
GERALD A. LEE

07-31-2026

CHAO & ASSOCIATES
No. C00357

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

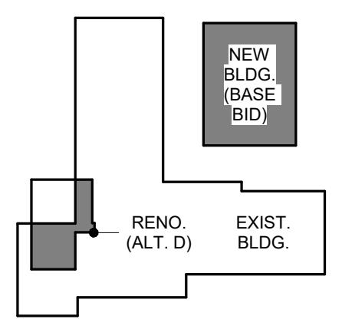
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

DETAILS

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 07.24.2026
SCALE: 1" = 20'
DRAWN BY: EYC
PROJ MGR: GAL

C501

Autodesk Docs://Samaritan House – Cafeteria MP Room/202601700.rvt

7/14/2026 3:07:00 PM

GENERAL NOTES:

1. BUILDING CODE - INTERNATIONAL BUILDING CODE 2021.
2. LOADS: INTERNATIONAL BUILDING CODE 2021
   - A. LIVE:
     ALL FLOOR SLABS...........................50 PSF
     ROOF... 20 PSF UNREDUCED
   - B. DEAD: ACTUAL WEIGHTS OF MATERIALS, EQUIPMENT, AND ETC.
   - C. SEISMIC DESIGN DATA
     - (1) OCCUPANCY CATEGORY: II
       SEISMIC IMPORTANCE FACTOR: I=1.0
     - (2) MAPPED SPECTRAL RESPONSE ACCELERATIONS:
       Ss = 0.426
       S1 = 0.135
     - (3) SITE CLASS D (assumed-no geotechnical report provided)
     - (4) SPECTRAL RESPONSE COEFFICIENTS:
       SDS= 0.414
       SD1= 0.21
     - (5) SEISMIC DESIGN CATEGORY: D
     - (6) BASIC STRUCTURAL SYSTEM AND SEISMIC RESISTING SYSTEM, BEARING WALL SYSTEM - LIGHT FRAMED (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE
     - (7) DESIGN BASE SHEAR: V = 7.5 KIPS
     - (8) SEISMIC RESPONSE COEFFICIENT: Cs = 0.064
     - (9) SEISMIC RESPONSE COEFFICIENT: R = 6.5
     - (10) ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE PROCEDURE.
   - E. WIND LOAD -
     - (1) BASIC WIND SPEED - 122 MPH
     - (2) RISK CATEGORY: II
       WIND IMPORTANCE FACTOR: I = 1.0
     - (3) WIND EXPOSURE - C
     - (4) INTERNAL PRESSURE COEFFICIENT GCpi = +/- 0.18
3. CAST-IN-PLACE CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS: NORMAL WEIGHT (150 PCF) 3000 PSI FOR ALL FOUNDATIONS AND MISCELLANEOUS CONCRETE.
   NORMAL WEIGHT (150 PCF) 4000 PSI FOR ALL SLAB ON GRADE & MONOLITHIC FOOTINGS.
4. ALL REINFORCING BARS TO HAVE A MINIMUM YIELD STRENGTH OF 60 KSI.
5. FOOTINGS ARE LOCATED AT COLUMN LINES OR CENTER OF WALLS UNLESS SHOWN OTHERWISE ON PLANS.
6. CONCRETE FORMWORK:
   - A. ALL FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED ACCORDING TO ACI STANDARD 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK.
   - B. RESPONSIBILITY: THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FORM, SHORES, BACKSHORES, FALSEWORK, BRACING, AND OTHER TEMPORARY SUPPORTS SHALL BE ENGINEERED TO SUPPORT ALL LOADS IMPOSED INCLUDING THE WET WEIGHT OF CONCRETE, CONSTRUCTION EQUIPMENT, LIVE LOAD, LATERAL LOADS DUE TO WIND AND WET CONCRETE IMBALANCE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
   - C. TOLERANCE: UNLESS SPECIFIED OTHERWISE, ALL TOLERANCES FOR CONCRETE FORMWORK SHALL CONFORM TO ACI STANDARD 117, STANDARD TOLERANCE FOR CONCRETE CONSTRUCTION AND MATERIALS.
   - D. ALL PERMANENTLY VISIBLE EDGES OF CONCRETE SHALL HAVE A 3/4" CONTINUOUS CHAMFER. THIS INCLUDES ALL SLABS, BEAMS, COLUMNS, AND WALLS.
7. TOP OF FOOTINGS BELOW FINISHED FLOOR INDICATED (T.O.F. XXX.XX)
8. STEP FOOTINGS DOWN IF REQUIRED TO CLEAR PIPING, CONDUIT, OTHER UTILITIES, ETC. SO THAT TOP OF FOOTINGS ARE BELOW SUCH UTILITY LINES. SEE MECH, ELECT, ARCH, ETC. FOR LOCATIONS.
9. CHECK WITH VARIOUS TRADES FOR SLEEVES, OPENINGS, CONDUITS, ETC. BEFORE POURING CONCRETE.
10. PROVIDE AND INSTALL ALL PLATES, ANGLES, REINFORCING, ETC., EMBEDDED IN CAST-IN-PLACE CONCRETE.
11. VERIFY LOCATIONS OF ALL WALLS, OPENINGS, DEPRESSIONS, CHAMFERS, BRICK LEDGES, ANCHOR SLOTS, REGLETS, ETC. WITH ARCHITECTURAL.
12. VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
13. SEE ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
14. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS BEFORE ANY FABRICATION HAS STARTED.
15. PROVIDE AND INSTALL ALL TEMPORARY BRACING AS REQUIRED FOR SAFETY STABILITY OF THE STRUCTURE UNTIL STRUCTURE IS COMPLETE.
16. ALL CONCRETE SLABS ON GRADE TO BE 4" THICK REINFORCED WITH 6x6-W1.4xW1.4, UNLESS NOTED OTHERWISE.
17. ALL CONCRETE SLABS TO SLOPE TO FLOOR DRAINS, IN ROOMS OR AREAS THAT HAVE FLOOR DRAINS. SEE ARCHITECTURAL PLANS AND PLUMBING PLANS FOR LOCATIONS.
18. AT TILE FINISHED AREAS, LOCATE ALL GRADE SLAB CONSTRUCTION JOINTS AT TILE JOINTS. IN ADDITION, PROVIDE A CONTROL AT ALL TILE JOINTS AND VERIFY LOCATION OF TILE FINISHED AREAS AND JOINT PATTERN WITH ARCHITECTURAL DRAWINGS.
19. CONTRACTOR SHALL VISIT SITE TO BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AND SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, FRAMING CONDITIONS, AND CONNECTIONS BEFORE BEGINNING CONSTRUCTION OR ANY FABRICATION.
20. WHERE DETAIL IS SHOWN ON STRUCTURAL DRAWINGS FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR OR LIKE CONDITIONS, UNLESS NOTED OR SHOWN OTHERWISE ON PLANS.
21. ALL WEDGE ANCHORS AT MASONRY WALLS TO HAVE A MINIMUM EMBEDMENT OF 5".
22. NOTES FOR REINFORCED MASONRY WALLS:
    (THE DESIGN CRITERIA REQUIRES THAT THE REINFORCED MASONRY WALLS BE INSPECTED DURING CONSTRUCTION)
    - A. ALL MASONRY WALLS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING NOTES AND PLANS. CONCRETE BLOCK SHALL BE HIGH STRENGTH CONCRETE MASONRY UNITS, HOLLOW UNITS IN ACCORDANCE WITH ASTM C-90, AND SHALL HAVE MINIMUM PRISM STRENGTHS OF f'= 1350 PSI AND SHALL BE TESTED IN ACCORDANCE WITH ASTM C-140.
    - B. MASONRY MORTAR:
      - a. CONCRETE MASONRY MORTAR FROM FOUNDATION TO ROOF SHALL BE TYPE S WITH FULL MORTAR BEDDING FROM FOUNDATION TO ROOF.
      - b. CUBE TESTS OF MORTAR SHALL BE IN ACCORDANCE WITH ASTM C-270 AND ASTM C-780. COPIES OF ALL REPORTS SHALL BE SUBMITTED TO THE ARCHITECT & ENGINEER.
    - C. ALL CELLS IN MASONRY CONTAINING VERTICAL REINFORCING RODS SHALL BE COMPLETELY FILLED WITH GROUT (FINE OR COARSE GROUT - ASTM C 476 - 3/8" MAXIMUM AGGREGATE - 3,000 PSI MINIMUM). SLUMP TO BE 8" TO 11". "ROD" OR VIBERATE GROUT.
    - D. PROVIDE VERTICAL REINFORCING WHERE SHOWN OR NOTED ON PLANS AND/OR DETAILS. IF NOT SHOWN PROVIDE #5@24" MINIMUM.
    - E. PROVIDE DOWELS TO FOOTINGS AT REINFORCED BLOCK CELLS, SAME SIZE AND SPACING AS INDICATED ON DRAWINGS.
    - F. PLACE BAR(S) IN END CELL OF ALL JAMB OPENINGS, CORNERS, AND END CELLS AT CONTROL JOINTS, AND SPACE BARS AS INDICATED ON PLANS BETWEEN JAMBS, CORNERS, AND/OR CONTROL JOINTS.
    - G. REINFORCING BARS SHALL EXTEND FROM FOOTING DOWELS TO TOP OF WALL CONTINUOUS THROUGH ALL CONCRETE, LINTEL, AND BOND BEAMS.
    - H. ACCURATELY POSITION AND SECURE VERTICAL REINFORCING WITH 9 GAGE HARD STEEL GALVANIZED WIRE CENTERING CLIPS OR REBAR POSITIONERS.
    - I. ALL REINFORCING SPLICES SHALL HAVE A MINIMUM LAP OF 48 BAR DIAMETERS UNLESS NOTED OR SPECIFIED OTHERWISE.
    - J. AT THE TOP BOND BEAM OF ALL MASONRY WALLS PROVIDE A 180 DEGREE HOOK AT THE END OF ALL VERTICAL WALL REINFORCING. LOCATE A #5 CONTINUOUS BAR IN THE TOP OF THE BOND BEAM. THE HOOK FROM THE VERTICAL BAR SHALL BE PLACED AROUND THE CONTINUOUS #5.
    - K. EXTEND BOND BEAM REINFORCING BARS 24" INTO ADJOINING POURED-IN-PLACE CONCRETE BEAMS AND/OR WALLS.
    - L. PROVIDE HORIZONTAL LADDER TYPE (2 WIRE) WALL REINFORCING AT 16" VERTICAL CENTERS. ALL WIRE SHALL BE KEEP IN MORTAR JOINTS TO PROVIDE CLEAR CELLS FOR REINFORCING AND GROUT. TYPICAL FOR ALL MASONRY WALLS. USE MEDIUM GRADE WITH 8 GAGE SIDE RODS AND 9 GAGE CROSS RODS.
    - M. PROVIDE 2" x 1/4" x 32" STRAP ANCHORS OR "T" HORIZONTAL LADDER TYPE (2 WIRE) WALL REINFORCING AT 16" C-C AT WALL INTERSECTIONS.
23. ALL REINFORCING SPLICES SHALL HAVE A MINIMUM LAP OF 48 BAR DIAMETERS UNLESS NOTED OR SPECIFIED OTHERWISE.
24. DO NOT HANG ANY PIPING, DUCTWORK, OR EQUIPMENT FROM THE ROOF DECK.
25. PRE-ENGINEERED WOOD TRUSSES AND COMPONENTS:
    - A. TRUSSES SHALL BE PREFABRICATED TYPE AND EQUAL TO THOSE MANUFACTURERS WITH A MINIMUM OF FIVE YEARS OF EXPERIENCE.
    - B. TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM LOADS:
      - (a.) ROOF LIVE LOAD: 20 PSF TOP CHORD 10 PSF BOTTOM CHORD
        ROOF DEAD LOAD: 10 PSF TOP CHORD 10 PSF BOTTOM CHORD.
      - (b.) ANY ADDITIONAL LOADS FROM EQUIPMENT OR MATERIAL.
      - (c.) GROSS WIND UPLIFT - SEE NOTE 1 ABOVE. SUBMIT LETTER TO STATE THAT THESE UPLIFT LOADS ARE USED IN THE TRUSS DESIGN. USE ACTUAL DEAD LOAD IN UPLIFT CALCULATIONS.
    - C. TRUSSES SHALL BE ERECTED AND BRACED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
    - D. ROOF TRUSSES SHALL BE SPACED AT 2'-0" MAXIMUM CENTERS OR AS SHOWN ON DRAWINGS.
    - E. THE STRUCTURAL DESIGN OF THE TRUSS SYSTEM SHALL BE PERFORMED BY OR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. DESIGN CALCULATIONS SEALED BY THE REGISTERED ENGINEER SHALL BE SUBMITTED FOR ARCHITECT/ENGINEER RECORD.
    - F. TRUSS MANUFACTURER SHALL SUBMIT DESIGN CALCULATIONS ALONG WITH COMPLETE SHOP DRAWINGS FOR REVIEW. COMPUTER PRINTOUT OF LOADS, PLATE SIZES, PLATE POSITIONS, MEMBER SIZES AND LUMBER GRADES WILL BE ACCEPTABLE.
    - G. SEE ARCHITECTURAL DRAWINGS FOR DETAILS/ DIMENSIONS NOT SHOWN.
    - H. ALL TOP CHORDS TO ALIGN FOR SMOOTH SHEATHING PLANE. CAMBER TRUSS CONFIGURATIONS AS REQUIRED TO ACCOMPLISH THIS.
26. REVIEW OF SUBMITTAL AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. SEE SPECIFIC PROVISIONS IN THE CONTRACT DOCUMENTS DEALING WITH THE APPROPRIATE DESIGN RESPONSIBILITIES OF CONTRACTORS, SUBCONTRACTORS, AND SUPPLIERS.
27. THE DESIGN OF PREENGINEERED SYSTEMS SPECIFIED IN THE CONTRACT DOCUMENTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, SUPPLIER, AND ITS DESIGN ENGINEER, LICENSED IN THE PROJECT STATE. SUBMITTAL OF SUCH SYSTEMS TO THE STRUCTURAL ENGINEER OF RECORD SHALL BE REVIEWED FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO THE ARRANGEMENT AND OR SIZES OF MEMBERS, SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS, AND THE SUPPLIERS INTERPRETATION OF THE DESIGN INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. SUCH REVIEW BY THE STRUCTURAL ENGINEER OF RECORD SHALL NOT IMPLY ANY RESPONSIBILITY FOR THE ACTUAL DESIGN OF SUCH SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONAL ACCURACY AND CONFORMANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS. SEE SPECIFIC SECTIONS OF GENERAL NOTES ABOVE AND SPECIFICATIONS FOR THE APPROPRIATE DESIGN RESPONSIBILITIES OF THE SUPPLIER AND IT'S LICENSED ENGINEER.
28. DRAWINGS INDICATE GENERAL ARRANGEMENT AND DIMENSIONS AND ARE, GENERALLY, DRAWN TO SCALE. HOWEVER, SCALE DIMENSIONS SHALL NOT BE USED. OBTAIN DIMENSIONS FROM ARCHITECT, WHEN NOT GIVEN IN FIGURES. REFER TO THE ARCHITECT AND ENGINEER ANY INCONSISTENCIES FOUND.
29. WHERE CONFLICTS EXIST BETWEEN STRUCTURAL AND ARCHITECTURAL, USE STRUCTURAL FOR ITEMS RELATING TO STRUCTURAL STRENGTH (VERTICAL REINFORCING IN MASONRY WALLS, FOOTING SIZE, FOOTING ELEVATION, REINFORCING, MEMBER SIZE, ETC.)
30. PROVIDE VAPOR BARRIER AND GRANULAR BASE UNDER ALL CONCRETE SLABS THIS PROJECT WHEATHER OR NOT THEY ARE SHOWN IN THE SECTIONS OR PLANS. SEE SPECIFICATIONS
31. CRACK FILLER: IF CRACK REPAIRS IN CONCRETE SLABS BECOME NECESSARY UNDER THE TERMS OF THESE NOTES, USE CRACK-FILL 4 MADE BY METZGER/MCGUIRE (FOLLOW THE MANUFACTURER'S RECOMMENDATIONS) . INSPECT THE FLOOR AFTER 90 DAYS, AND REPAIR ANY CRACK THAT IS MORE THAN 1/32" WIDE.

SOIL NOTES:

1. FOOTINGS DESIGNED FOR SOIL BEARING VALUE OF 2000 PSF PER GEOTECHNICAL REPORT PROVIDED BY TERRACON DATED 7-23-2026 (TERRACON PROPOSAL NO. P73255011)
2. GEOTECHNICAL ENGINEER TO VERIFY BEARING CAPACITY HAS BEEN ACHEIVED.
3. BEFORE ANY CONSTRUCTION, THE ENTIRE SITE AREA SHALL BE STRIPPED OF ANY ROOT SYSTEMS, SURFACE VEGETATION, ORGANIC SURFACE SOILS, EXISTING CONCRETE SLABS, FOOTINGS, BURIED FUEL TANKS, UNDERGROUND UTILITIES, AND ANY OTHER UNSUITABLE NEAR SURFACE MATERIALS. ALSO, ALL EXISTING MATERIAL BENEATH THE BUILDING AREAS SHALL BE COMPLETELY REMOVED TO A DEPTH AS DETERMINED BY THE GEOTECHNICAL ENGINEER. THE UNDERCUTTING SHALL EXTEND AT LEAST FIVE FEET OUTSIDE THE BUILDING AREA. AFTER STRIPPING AND UNDERCUTTING, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER TO CONFIRM THAT ALL UNSUITABLE MATERIALS HAVE BEEN REMOVED. THE EXPOSED SUBGRADE SHALL THEN BE PROOFROLLED AND DENSIFIED, IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER, WITH APPROVED EQUIPMENT. PROOFROLLING SHALL BE DONE FOLLOWING A PERIOD OF DRY WEATHER TO AVOID DAMAGING AN OTHERWISE SUITABLE SUBGRADE. A MINIMUM OF SIX (6) PASSES SHALL BE MADE WITH THREE OF THESE PASSES MADE PERPENDICULAR TO THE INITIAL LINE OF ROLLING. ADDITIONAL PASSES REQUIRED FOR COMPACTION SHALL BE MADE. ANY AREAS FOUND TO "PUMP" OR DEFLECT EXCESSIVELY SHALL BE UNDERCUT TO STABLE MATERIAL. TESTING LABORATORY PERSONNEL SHALL DETERMINE THE NECESSITY OF FURTHER UNDERCUTTING. THE EXPOSED BASE SOILS SHALL BE DENSIFIED TO 95% STANDARD PROCTOR. TEST EXISTING BASE SOIL TO VERIFY THAT 95% COMPACTION HAS BEEN OBTAINED. DEPENDING UPON SOIL MOISTURE AT TIME OF GRADING, MOISTURE SHALL BE ADDED OR THE SOIL SHALL BE AERATED AND DRIED TO WITHIN 2% OF OPTIMUM MOISTURE. IF WET CONDITIONS ARE ENCOUNTERED THE SUBGRADE SOILS SHALL BE SUFFICIENTLY AERATED TO PREVENT PUMPING UNDER HEAVY CONSTRUCTION EQUIPMENT.
4. ALL EXISTING FOUNDATIONS, UTILITIES, TANKS, ETC. WITHIN THE PROPOSED BUILDING AREA SHALL BE REMOVED AND BACKFILLED WITH A WELL COMPACTED CRUSHED STONE.
5. ONCE THE EXPOSED SUBGRADE AREAS HAVE BEEN SATISFACTORILY STABILIZED, THE PLACED FILL SOILS SHALL BE COMPACTED IN LIFTS NOT EXCEEDING EIGHT (8") INCHES IN COMPACTED THICKNESS. AN IN PLACE DRY DENSITY OF APPROXIMATELY NINETY FIVE PERCENT (95%) OF THE MAXIMUM STANDARD PROCTOR DENSITY (ASTM D-698) SHALL BE OBTAINED IN EACH LIFT TO THE GRANULAR BASE.
6. THE TESTING LABORATORY SHALL DO A SUFFICIENT NUMBER OF IN PLACE DENSITY TESTS TO CONFIRM THAT THE REQUIRED DEGREE OF COMPACTION IS OBTAINED.
7. PROVIDE 4" UNDERSLAB GRANULAR BASE FILL OVER ENTIRE AREA OF SUBGRADE IN INTERIOR OF BUILDING. GRANULAR BASE SHALL BE A COMPACTED, EVENLY GRADED MIXTURE OF GRANULAR SAND (LESS THAN 5% SHALL PASS A 200 SIEVE) AGGREGATE. GRANULAR BASE, WHEN COMPACTED, SHALL PROVIDE A SMOOTH AND EVEN SURFACE.
8. EACH FOOTING EXCAVATION SHALL BE THOROUGHLY TAMPED USING A MECHANICAL TAMPER BEFORE PLACING ANY STEEL OR CONCRETE. ALL SOFT, LOOSE, OR OTHERWISE QUESTIONABLE SOILS SHALL BE STABILIZED BY COMPACTING IN PLACE OR BY REMOVING AND REPLACING SUCH UNSUITABLE SOILS. IN AREAS THAT ARE DIFFICULT TO STABILIZE, A COARSE CRUSHED AGGREGATE SHALL BE USED TO STABILIZE THE EXCAVATIONS. TESTING LABORATORY SHALL VERIFY THAT THE FOOTING EXCAVATIONS HAVE BEEN COMPACTED AND THAT THE BEARING CAPACITY HAS BEEN ACHIEVE.
9. CONTRACTOR SHALL ESTABLISH AND MAINTAIN GOOD SITE DRAINAGE THROUGHOUT CONSTRUCTION.
10. IT IS REQUIRED THAT ALL FOOTINGS BE CONSTRUCTED AS SOON AS POSSIBLE AFTER EXCAVATION TO BEARING SOILS IS COMPLETED. IF THE BEARING SOILS ARE EXPOSED TO SURFACE OR RAIN WATER, THE SOFTENED SOIL SHALL BE THOROUGHLY REMOVED PRIOR TO PLACEMENT OF CONCRETE. IF IT IS ANTICIPATED THAT FOOTING EXCAVATIONS WILL REMAIN EXPOSED FOR MORE THAN 24 HOURS OR IF RAIN IS IMMINENT WHILE BEARING SOILS ARE EXPOSED, A 2 TO 4 INCH THICKNESS OF 2000 PSI MINIMUM STRENGTH CONCRETE MAY BE PLACED OVER BEARING SOILS FOR PROTECTION.
11. IMMEDIATELY PRIOR TO CONSTRUCTING THE FLOOR SLAB OR PAVEMENT BASE COURSE, THE SUBGRADE SHALL BE RECOMPACTED TO REPAIR ANY SUBGRADE SOILS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION. AFTER COMPACTION OF THE SUBGRADE, FIELD DENSITY TESTING AND PROOFROLLING SHALL BE PERFORMED TO EVALUATE THE CONDITIONS OF THE SUBGRADE BEFORE PLACING THE SLAB OR PAVING BASE COURSE.
12. THE COMPACTION RECOMMENDATIONS GIVEN ABOVE ALSO APPLY TO BACKFILL FOR UTILITY TRENCHES WITHIN THE BUILDING AND PAVED AREAS. FIELD DENSITY TESTING SHALL BE PERFORMED THROUGHOUT THE BACKFILLING PROCESS TO DOCUMENT THE CONTRACTOR'S COMPACTION PERFORMANCE IN THE UTILITY TRENCH BACKFILL.

GENERAL FRAMING NOTES

1. PROVIDE BRACING AS REQ'D. FOR PRE-ENGINEERED WOOD ROOF TRUSSES, REFER TO MANUFACTURER'S DRAWINGS
2. TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED AND PROVIDED BY TRUSS MANUFACTURER.
3. PREFABRICATED LIGHT GAGE CONNECTIONS ARE SIMPSON DESIGNATIONS, "OR EQUAL" COMPONENTS CAN BE USED.
4. PROVIDE SECONDARY FRAMING BETWEEN TRUSSES TO RECEIVE VERTICAL 2x6 STICK BUILT FRAMING OF DORMERS AND AT AREAS DESIGNATED AS STICK BUILT.
5. SPACING OF STICK BUILT MEMBERS SHALL BE 16" O.C. MAXIMUM.

WALL SHEATHING NOTES AND ATTACHMENT PATTERN

1. ALL EXTERIOR AND LOAD BEARING STUDS.
   - A. 1/2" EXTERIOR GRADE SHEATHING SHALL BE ATTACHED TO STUDS TO INCLUDE BLOCKING W/ 8d NAILS AT 6" CENTERS AT PANEL EDGES AND AT 12" CENTERS TYPICAL IN FIELD.
   - B. WALL SHEATHING SHALL BE APPLIED PERPENDICULAR TO THE STUD FRAMING WITH SOLID BLOCKING BEHIND HORIZONTAL JOINTS WITHIN 4'-0" OF BUILDING CORNERS.
   - C. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL SHEATHING REQUIREMENTS.

REQUIRED SPECIAL INSPECTIONS IBC SECTION 1704:

REINFORCED CONCRETE

1. PERIODIC INSPECTION IS REQUIRED:
   - A. AT THE START AND DURING EACH PHASE OF THE PROJECT TO ASCERTAIN PROPOSED CONFORMITY OF MATERIALS, PERSONNEL QUALIFICATIONS AS REQUIRED AND PROCEDURES WITH APPLICABLE CODES, PLANS AND SPECIFICATIONS.
   - B. REINFORCEMENT PRIOR TO CLOSING OF FORMS OR THE DELIVERY OF CONCRETE TO THE PROJECT SITE.
   - C. AT FREQUENCIES NECESSARY TO CLEARLY CONFIRM THE PLACEMENT OF THE TIES, STIRRUPS, CONNECTIONS, AND ANY ADDITIONAL SPECIFIED REINFORCEMENTS (I.E., OPENINGS, BEAMS, CORNERS, COLUMNS, AND OR PIERS) BEFORE THEY ARE CONCEALED.
   - D. FOR VERIFICATION OF DELIVERED MIX DESIGN BEFORE ANY CONCRETE IS PLACED.

REINFORCED MASONRY (PERIMETER FOUNDATION OPTION 2)

1. PERIODIC INSPECTION IS REQUIRED:
   - A. AT THE START AND DURING EACH PHASE OF THE PROJECT CONFIRM MATERIAL CERTICATIONS AND TESTING REQUIREMENTS, PERSONNEL QUALIFICATIONS AS REQUIRED AND PROCEDURES WITH THE APPLICABLE CODES, PLANS AND SPECIFICATIONS.
   - B. AT FREQUENCIES NECESSARY TO VERIFY THAT THE CLEANLINESS, MORTAR PROJECTIONS AND REINFORCEMENT CLEARANCES WITHIN THE GROUTED SPACES CONFORM TO THE MINIMUM REQUIRMENTS.
   - C. VERIFY THAT THE GROUT POURS ANC CONSTRUCTION JOINTS ARE IN COMPLIANCE WITH SECTION 2104.1 OF THE IBC.
   - D. VERIFY THAT THE TYPE, SIZE AND LOCATION OF ALL DOWELS, ANCHOR BOLTS AND OR INSERTS ARE SECURED IN PLACE.
   - E. VERIFY SIZE AND LOCATION OF STRUCTURAL ELEMENTS.
   - F. VERIFY SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT.

ROOF TRUSS NOTES:

1. WOOD ROOF TRUSS DESIGN AND LAYOUT SHALL BE BY TRUSS MANUFACTURER FOR GIVEN SPANS SLOPES AND BEARING CONDITIONS. ROOF TRUSSES TO SUPPORT EQUIPMENT SUCH AS, BUT NOT LIMITED TO, SUSPENDED CEILINGS, MECHANICAL UNITS, LIGHT FIXTURES, ETC. VERIFY LOADS FROM SUCH EQUIPMENT, REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
2. ROOF TRUSSES SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE 2021 IBC WITH SOUTH CAROLINA AMENDMENTS - 122 M.P.H. WIND SPEED.
3. PROVIDE SIMPSON'S TIE H2.5A OR EQUAL AT ALL TRUSS BEARING LOCATIONS- TYPICAL THROUGHOUT UNLESS NOTED OTHERWISE, "OR EQUAL" PRODUCTS COULD BE USED IF APPROVED BY ENGINEER.
4. PROVIDE BRACING AS REQUIRED FOR PRE-ENGINEERED WOOD ROOF TRUSSES, REFER TO MANUFACTURER'S DRAWINGS.
5. TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED AND PROVIDED BY TRUSS MANUFACTURER.

ROOF SHEATHING NOTES & NAILING PATTERN

1. ALL ROOF SHEATHING TO BE 3/4" EXTERIOR GRADE PLYWOOD.
2. ALL PLYWOOD ROOF SHEATHING SHALL HAVE STAGGERED ENDJOINTS.
3. PROVIDE BLOCKING AT ALL PANEL EDGES WITHIN CORNER/EDGE ZONE 4-0" UP ROOF SLOPE.
4. ATTACH PLYWOOD SHEATHING TO WOOD MEMBERS TO INCLUDE ALL BLOCKING W/ 8d COMMON NAILS AS FOLLOWS:

CORNER / EDGE / AND FIELD ZONE

4" CENTERS AT PANEL EDGES LOCATED AT ALL TRUSS BEARING OR BLOCKING FROM BOUNDARY, RIDGES, VALLEYS, AND HIPS.

12" CENTERS IN FIELD OF PANEL.

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PROJECT RECORD SEAL

No. 17457
7/31/26
No. C03489

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

STRUCTURAL NOTES

ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
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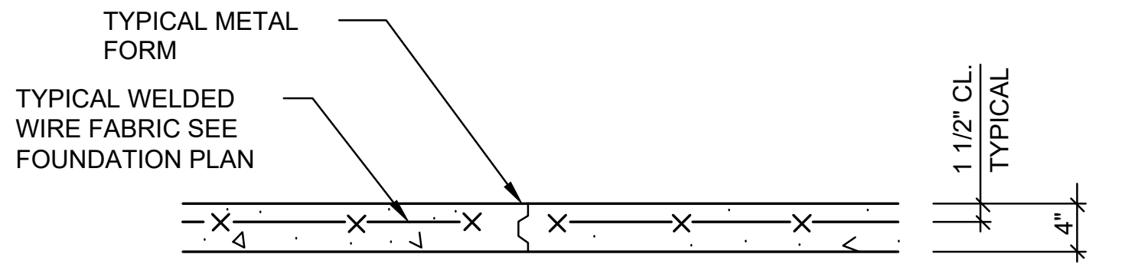
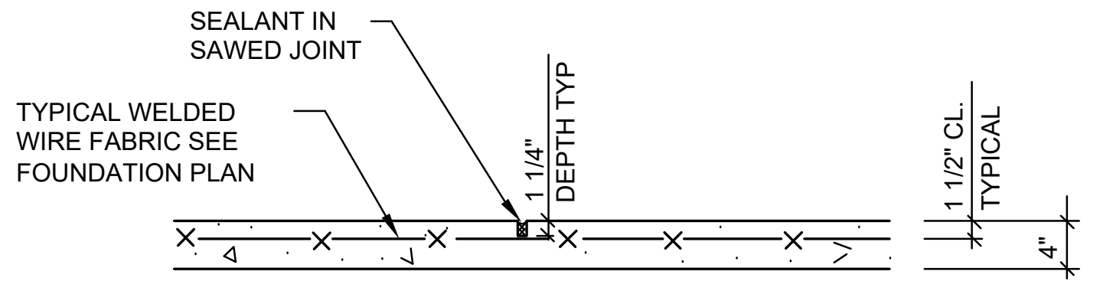
DRAWN BY: GMH PROJ MGR: GMH

S001



TYPICAL CONSTRUCTION JOINT (C.J.)

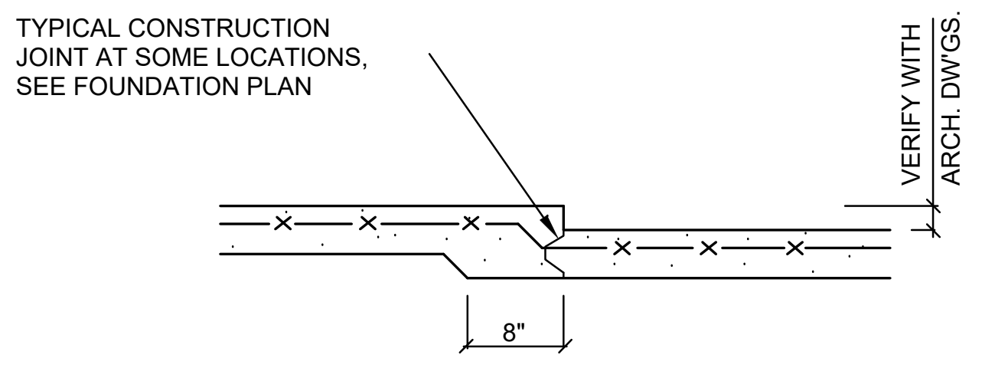
SCALE: 3/4"=1'-0"



SAW CUT JOINTS WITHIN TWO HOURS AFTER FINISHING SLAB

TYPICAL SAW JOINT (S.J.)

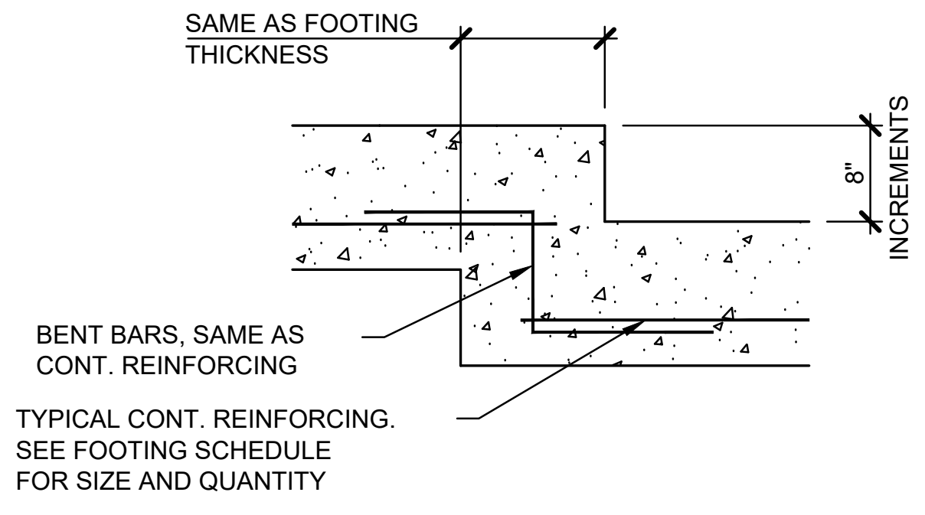
SCALE: 3/4"=1'-0"


TYPICAL CONSTRUCTION JOINT AT SOME LOCATIONS, SEE FOUNDATION PLAN
VERIFY WITH ARCH. DWGS.
8"

TYPICAL DEPRESSED GRADE SLAB DETAIL

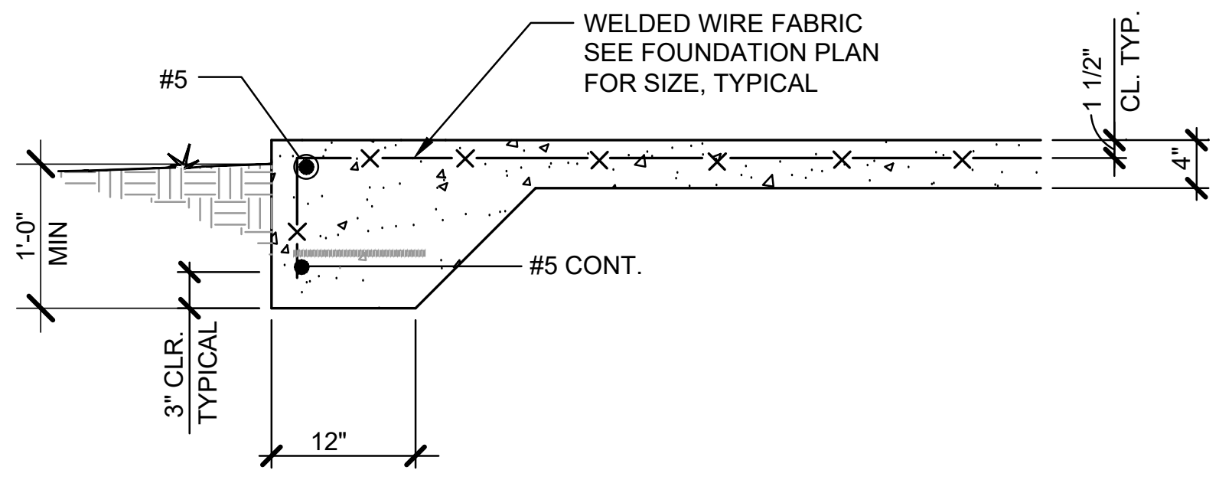
SCALE: 3/4"=1'-0"

NOTE: VERIFY LOCATIONS OF DEPRESSED SLABS W/ FLOOR & FOUNDATION PLANS & EXTENTS W/ ARCHITECTURAL DRAWINGS & MANUFACTURER'S RECOMMENDATIONS/REQUIREMENTS


SAME AS FOOTING THICKNESS
8" INCREMENTS
BENT BARS, SAME AS CONT. REINFORCING
TYPICAL CONT. REINFORCING. SEE FOOTING SCHEDULE FOR SIZE AND QUANTITY

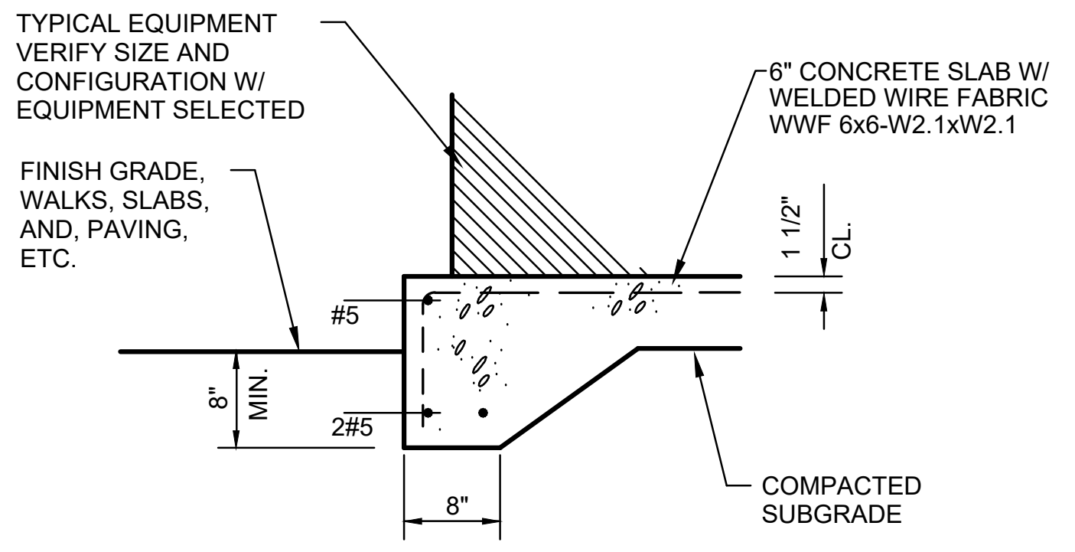
TYPICAL STEPPED FOOTING DETAIL

SCALE: 3/4"=1'-0"



TOE FOOTING DETAIL (T.F.)

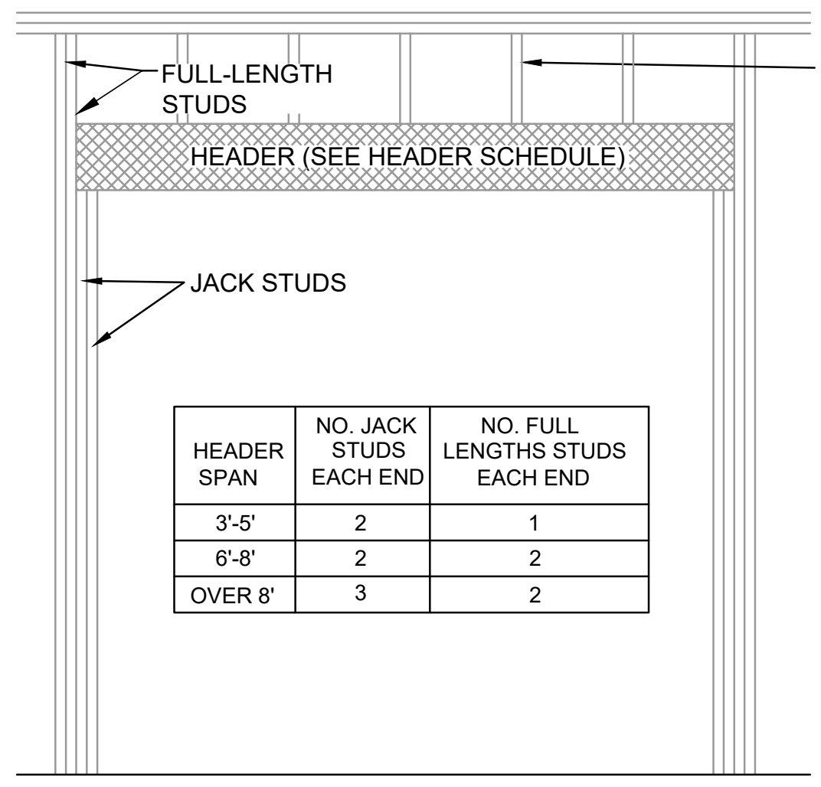
SCALE: 3/4"=1'-0"


TYPICAL EQUIPMENT VERIFY SIZE AND CONFIGURATION W/ EQUIPMENT SELECTED
FINISH GRADE, WALKS, SLABS, AND, PAVING, ETC.
6" CONCRETE SLAB W/ WELDED WIRE FABRIC WWF 6x6-W2.1xW2.1
1 1/2" CL.
#5
2#5
8" MIN.
8"
COMPACTED SUBGRADE

TYPICAL EQUIPMENT PAD

SCALE: 3/4"=1'-0"

VERIFY LOCATION, QUANTITY, AND SIZE OF PAD MOUNTED MECHACNICAL, ELECTRICAL, AND PLUMBING EQUIPMENT WITH EACH DISCIPLINES DRAWINGS, TYPICAL



HEADER SPAN	NO. JACK STUDS EACH END	NO. FULL LENGTHS STUDS EACH END
3'-5'	2	1
6'-8'	2	2
OVER 8'	3	2

CRIPPLE STUDS @ 16" O.C. CONNECT TO TOP PLATE & HEADER W/ SAME CONNECTORS AS SHOWN ON WALL SECTION FOR STUDS TO TOP PLATE.

HEADERS ASSUME 1/2" STRUCTURAL SHEATHING MIN. BETWEEN 2x MEMBERS & 7/16" O.S.B. MINIMUM EXTERIOR SHEATHING NAILED @ 3" O.C. EACH WAY TO HEADER.

CONNECT EACH JACK STUD TO HEADER W/ SIMPSON LSTA12.

CONNECT EACH JACK STUD TO BOTTOM PLATE W/ A SIMPSON SSP TIE PLATE.

CONNECTORS NOT REQUIRED WHERE HOLD-DOWN IS CONNECTED TO SAME GROUP OF STUDS, AND STUDS ARE SOLIDLY NAILED OR BOLTED TOGETHER.

HEADER NOTES:

1. HEADERS ARE TYPICAL UNLESS NOTED OTHERWISE, SEE PLANS.
2. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF OPENINGS.

TYPICAL HEADER DETAIL

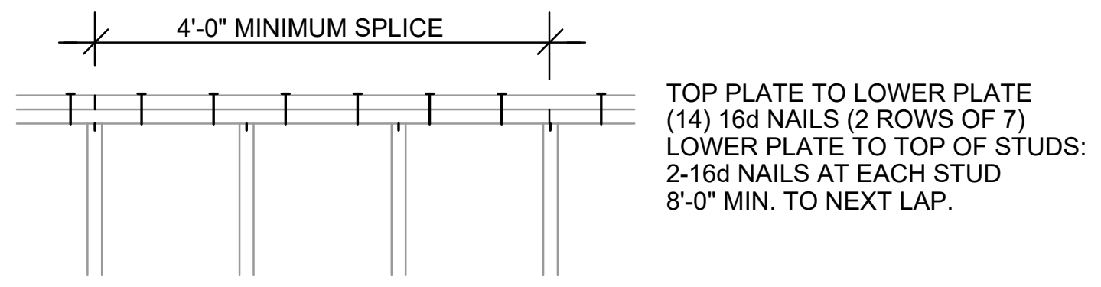
NOT TO SCALE

WOOD HEADER SCHEDULE

CLEAR SPAN MAX.	2x4 WALL WOOD HEADER	2x6 WALL WOOD HEADER
UP TO 5'-6"	2 - 2 x 8's W/ 1/2" PLY.	3 - 2 x 8's W/ 1/2" PLY.
5'-7" - 8'-0"	2 - 2 x 10's W/ 1/2" PLY.	3 - 2 x 10's W/ 1/2" PLY.

HEADER NOTES:

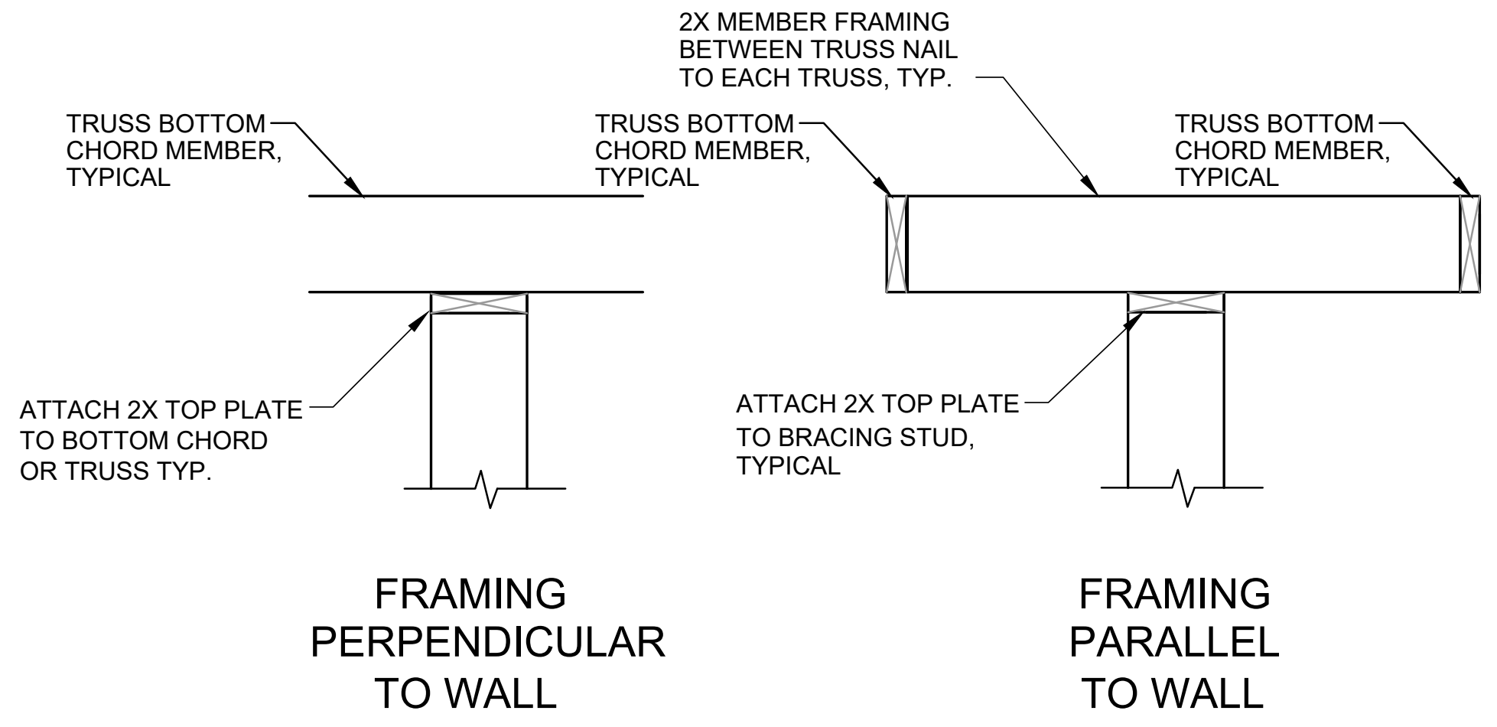
1. HEADERS ARE TYPICAL UNLESS NOTED OTHERWISE.
2. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF OPENINGS.
3. SEE TYPICAL HEADER DETAIL THIS DRAWING.



TOP PLATE TO LOWER PLATE
(14) 16d NAILS (2 ROWS OF 7)
LOWER PLATE TO TOP OF STUDS:
2-16d NAILS AT EACH STUD
8'-0" MIN. TO NEXT LAP.

TOP PLATE SPLICE DETAIL

NOT TO SCALE

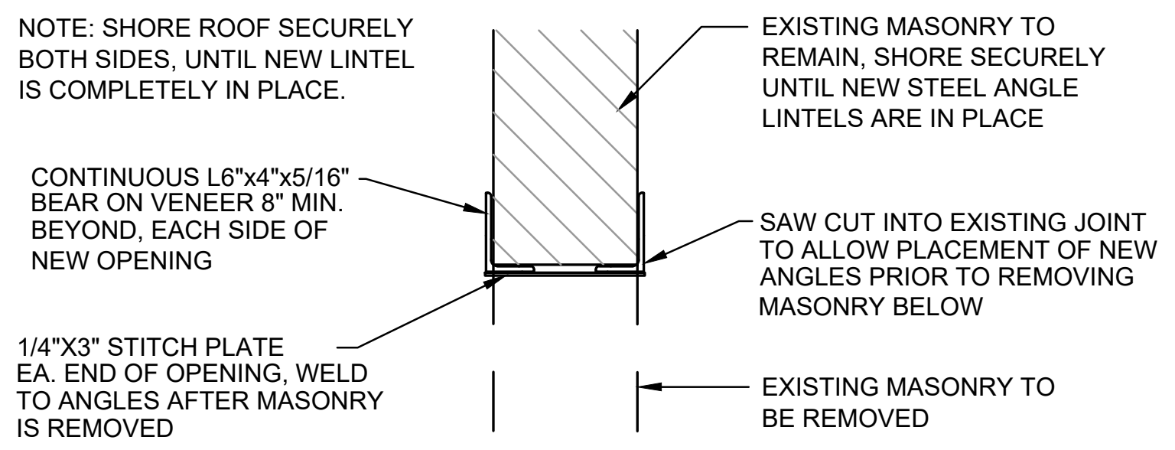

2X MEMBER FRAMING BETWEEN TRUSS NAIL TO EACH TRUSS, TYP.
TRUSS BOTTOM CHORD MEMBER, TYPICAL
TRUSS BOTTOM CHORD MEMBER, TYPICAL
TRUSS BOTTOM CHORD MEMBER, TYPICAL
ATTACH 2X TOP PLATE TO BOTTOM CHORD OR TRUSS TYP.
ATTACH 2X TOP PLATE TO BRACING STUD, TYPICAL
FRAMING PERPENDICULAR TO WALL
FRAMING PARALLEL TO WALL

TYPICAL STUD WALL BRACING DETAIL TO UNDERSIDE OF TRUSSES

NOT TO SCALE

(BRACE ALL WALLS @ 8' MAX CTRS)

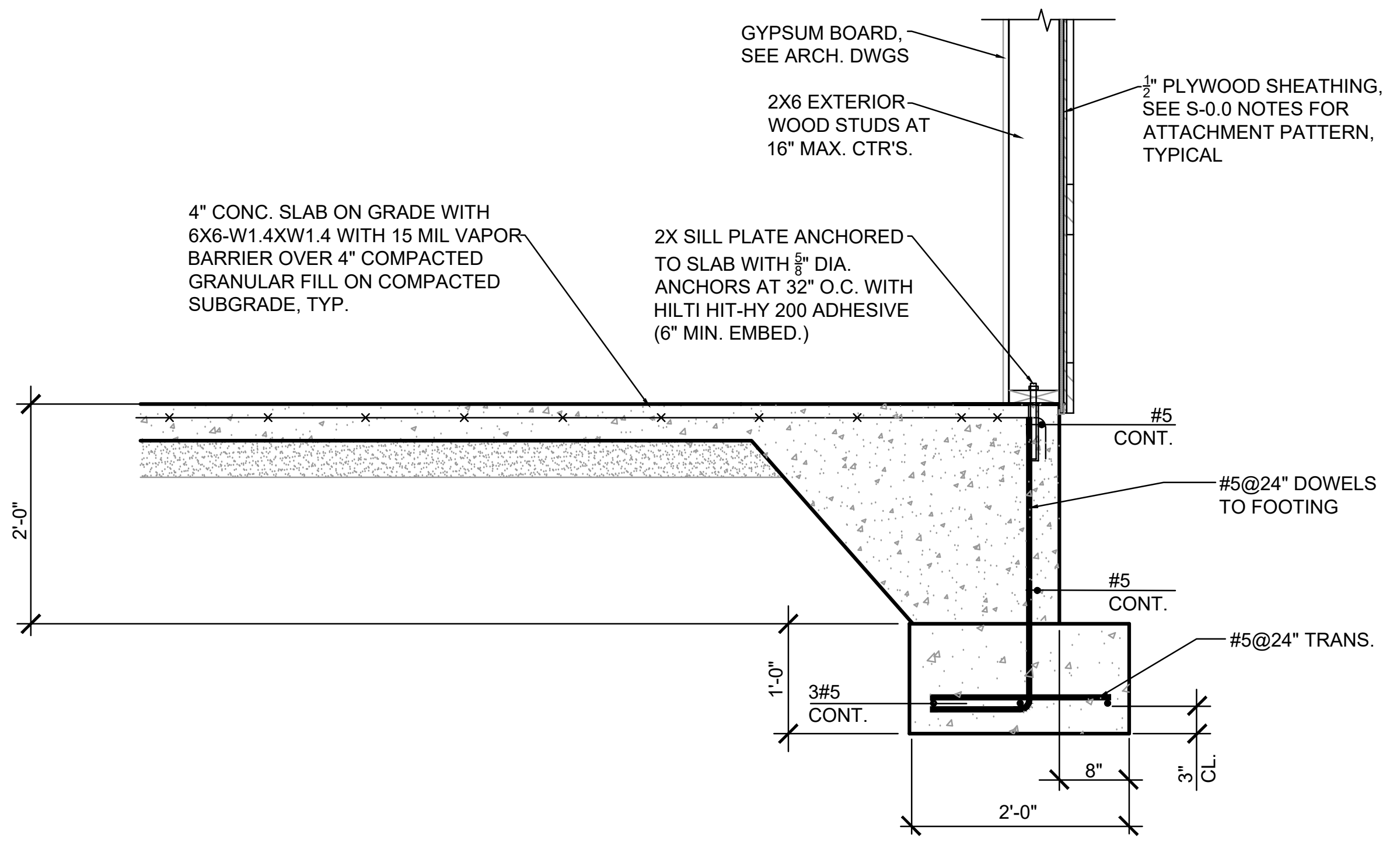
NOTE: SHORE ROOF SECURELY BOTH SIDES, UNTIL NEW LINTEL IS COMPLETELY IN PLACE.


EXISTING MASONRY TO REMAIN, SHORE SECURELY UNTIL NEW STEEL ANGLE LINTELS ARE IN PLACE
CONTINUOUS L6"x4"x5/16" BEAR ON VENEER 8" MIN. BEYOND, EACH SIDE OF NEW OPENING
SAW CUT INTO EXISTING JOINT TO ALLOW PLACEMENT OF NEW ANGLES PRIOR TO REMOVING MASONRY BELOW
1/4"X3" STITCH PLATE EA. END OF OPENING, WELD TO ANGLES AFTER MASONRY IS REMOVED
EXISTING MASONRY TO BE REMOVED

NOTE: THIS DETAIL APPLIES TO ALL NEW OPENINGS IN EXISTING MASONRY WALLS. COORDINATE LOCATIONS AND QUANTITIES W/ DEMOLITION, ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS.

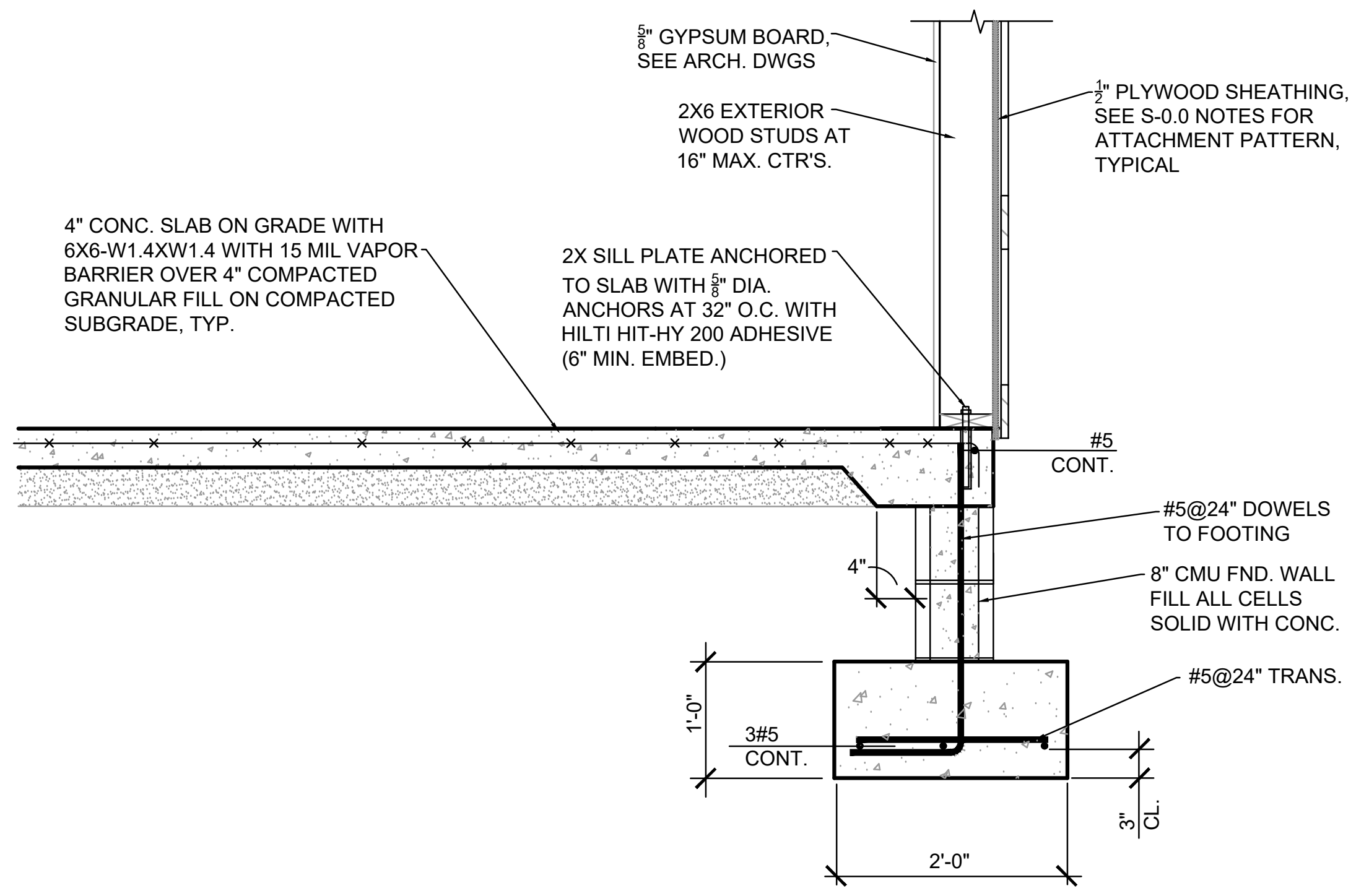
NEW STEEL ANGLE LINTELS IN EXISTING WALL

SCALE: 3/4" = 1'-0"


GYPSUM BOARD, SEE ARCH. DWGS
2X6 EXTERIOR WOOD STUDS AT 16" MAX. CTR'S.
½" PLYWOOD SHEATHING, SEE S-0.0 NOTES FOR ATTACHMENT PATTERN, TYPICAL
4" CONC. SLAB ON GRADE WITH 6X6-W1.4XW1.4 WITH 15 MIL VAPOR BARRIER OVER 4" COMPACTED GRANULAR FILL ON COMPACTED SUBGRADE, TYP.
2X SILL PLATE ANCHORED TO SLAB WITH ⅝" DIA. ANCHORS AT 32" O.C. WITH HILTI HIT-HY 200 ADHESIVE (6" MIN. EMBED.)
#5 CONT.
#5@24" DOWELS TO FOOTING
#5 CONT.
#5@24" TRANS.
2'-0"
1'-0"
3#5 CONT.
8"
3" CL.
2'-0"

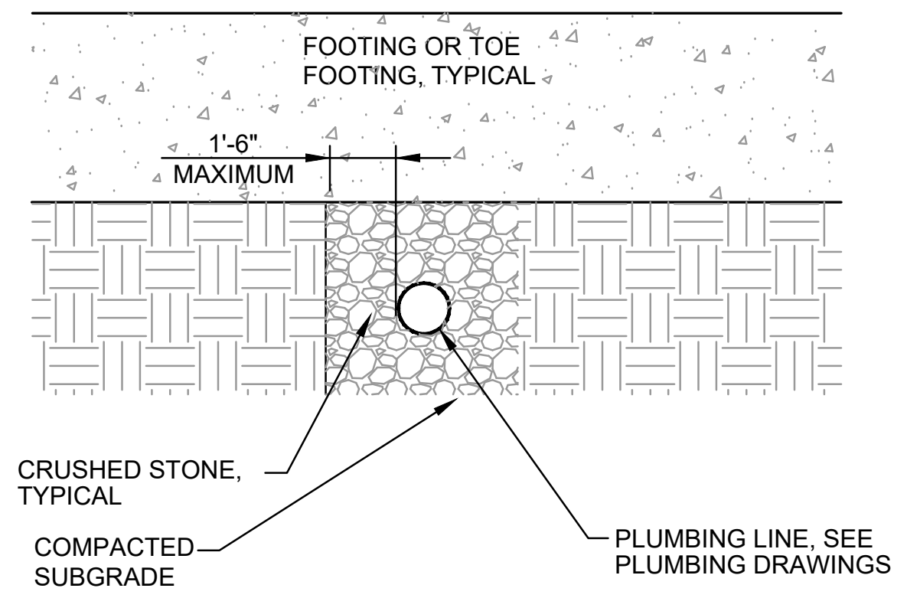
PERIMETER FOUNDATION (OPTION 2)

SCALE: 3/4" = 1'-0"


⅝" GYPSUM BOARD, SEE ARCH. DWGS
2X6 EXTERIOR WOOD STUDS AT 16" MAX. CTR'S.
½" PLYWOOD SHEATHING, SEE S-0.0 NOTES FOR ATTACHMENT PATTERN, TYPICAL
4" CONC. SLAB ON GRADE WITH 6X6-W1.4XW1.4 WITH 15 MIL VAPOR BARRIER OVER 4" COMPACTED GRANULAR FILL ON COMPACTED SUBGRADE, TYP.
2X SILL PLATE ANCHORED TO SLAB WITH ⅝" DIA. ANCHORS AT 32" O.C. WITH HILTI HIT-HY 200 ADHESIVE (6" MIN. EMBED.)
#5 CONT.
#5@24" DOWELS TO FOOTING
8" CMU FND. WALL FILL ALL CELLS SOLID WITH CONC.
4"
#5@24" TRANS.
1'-0"
3#5 CONT.
3" CL.
2'-0"

PERIMETER FOUNDATION (OPTION 1)

SCALE: 3/4" = 1'-0"


FOOTING OR TOE FOOTING, TYPICAL
1'-6" MAXIMUM
CRUSHED STONE, TYPICAL
COMPACTED SUBGRADE
PLUMBING LINE, SEE PLUMBING DRAWINGS

TYPICAL DETAIL FOR PIPING BELOW WALL FOOTING

SCALE: 3/4" = 1'-0"

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PROJECT RECORD SEAL

No. 17457
ALBERT A. STEVENS
7/31/26

MABRY ENGINEERING ASSOCIATES, INC.
No. C03489

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

STRUCTURAL DETAILS

ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: GMH PROJ MGR: GMH

S002

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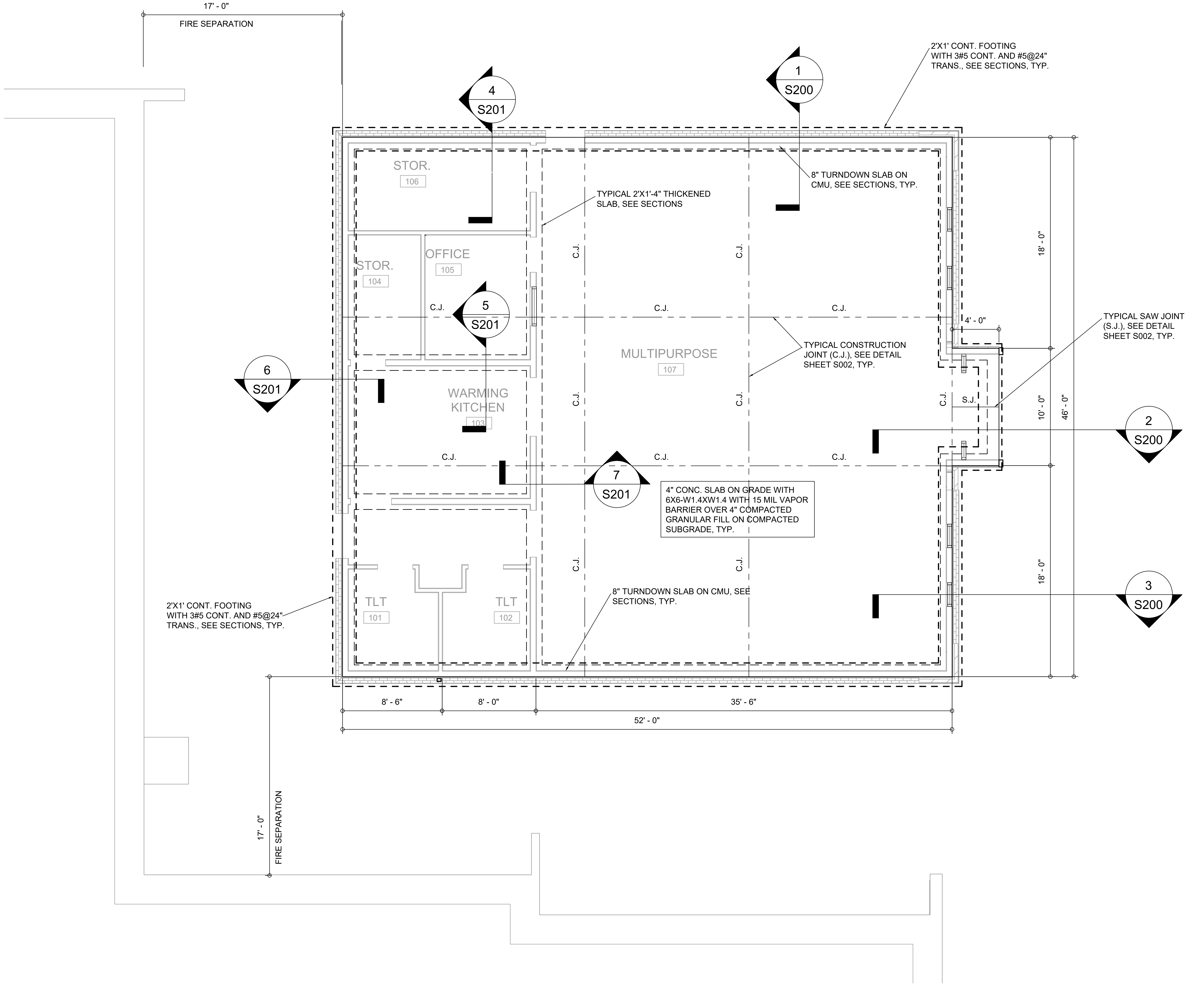

2'X1' CONT. FOOTING WITH 3#5 CONT. AND #5@24" TRANS., SEE SECTIONS, TYP.

8" TURNDOWN SLAB ON CMU, SEE SECTIONS, TYP.

TYPICAL 2'X1'-4" THICKENED SLAB, SEE SECTIONS

TYPICAL SAW JOINT (S.J.), SEE DETAIL SHEET S002, TYP.

TYPICAL CONSTRUCTION JOINT (C.J.), SEE DETAIL SHEET S002, TYP.

4" CONC. SLAB ON GRADE WITH 6X6-W1.4XW1.4 WITH 15 MIL VAPOR BARRIER OVER 4" COMPACTED GRANULAR FILL ON COMPACTED SUBGRADE, TYP.

2'X1' CONT. FOOTING WITH 3#5 CONT. AND #5@24" TRANS., SEE SECTIONS, TYP.

8" TURNDOWN SLAB ON CMU, SEE SECTIONS, TYP.

① FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

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FOUNDATION PLAN

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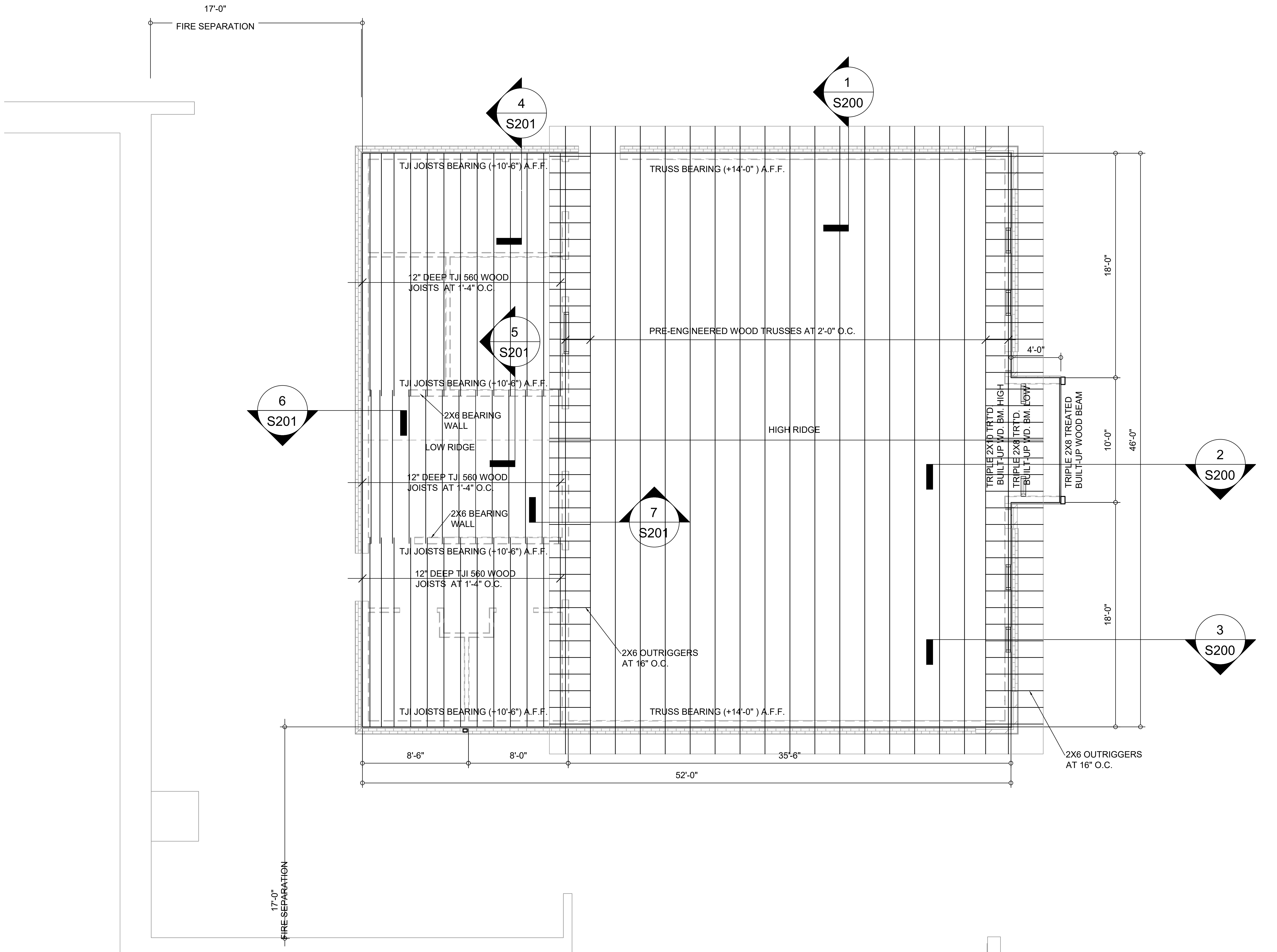
17'-0"
FIRE SEPARATION
4
S201
1
S200
TJI JOISTS BEARING (+10'-6") A.F.F.
TRUSS BEARING (+14'-0") A.F.F.
12" DEEP TJI 560 WOOD JOISTS AT 1'-4" O.C.
5
S201
PRE-ENGINEERED WOOD TRUSSES AT 2'-0" O.C.
4'-0"
18'-0"
TJI JOISTS BEARING (+10'-6") A.F.F.
6
S201
2X6 BEARING WALL
LOW RIDGE
HIGH RIDGE
TRIPLE 2X10 TRT'D. BUILT-UP WD. BM. HIGH
TRIPLE 2X8 TRT'D. BUILT-UP WD. BM. LOW
TRIPLE 2X8 TREATED BUILT-UP WOOD BEAM
10'-0"
46'-0"
2
S200
12" DEEP TJI 560 WOOD JOISTS AT 1'-4" O.C.
2X6 BEARING WALL
7
S201
TJI JOISTS BEARING (+10'-6") A.F.F.
12" DEEP TJI 560 WOOD JOISTS AT 1'-4" O.C.
18'-0"
3
S200
2X6 OUTRIGGERS AT 16" O.C.
TJI JOISTS BEARING (+10'-6") A.F.F.
TRUSS BEARING (+14'-0") A.F.F.
2X6 OUTRIGGERS AT 16" O.C.
8'-6"
8'-0"
35'-6"
52'-0"
17'-0"
FIRE SEPARATION

1 ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

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Mark	Date	Description

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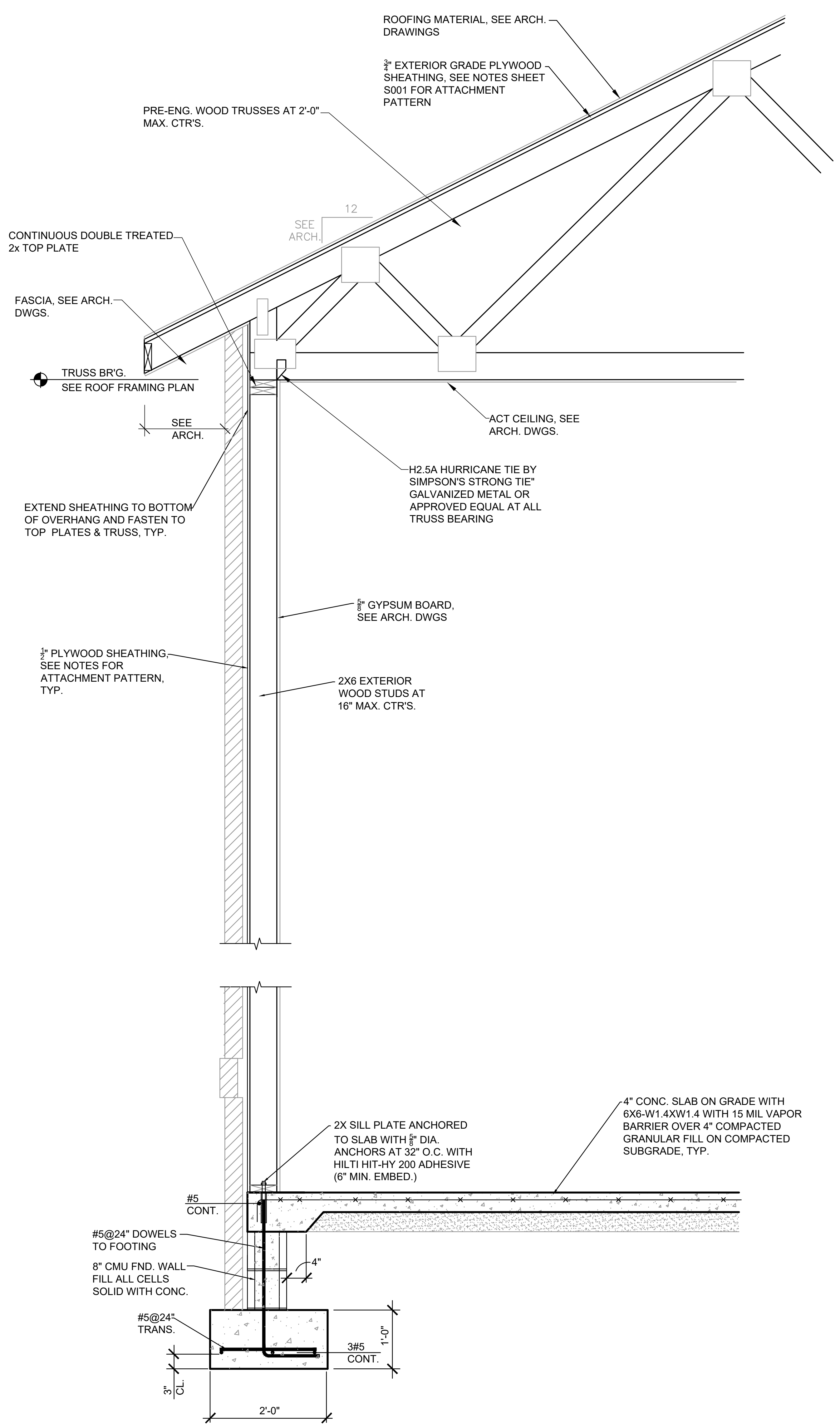
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: GMH PROJ MGR: GMH

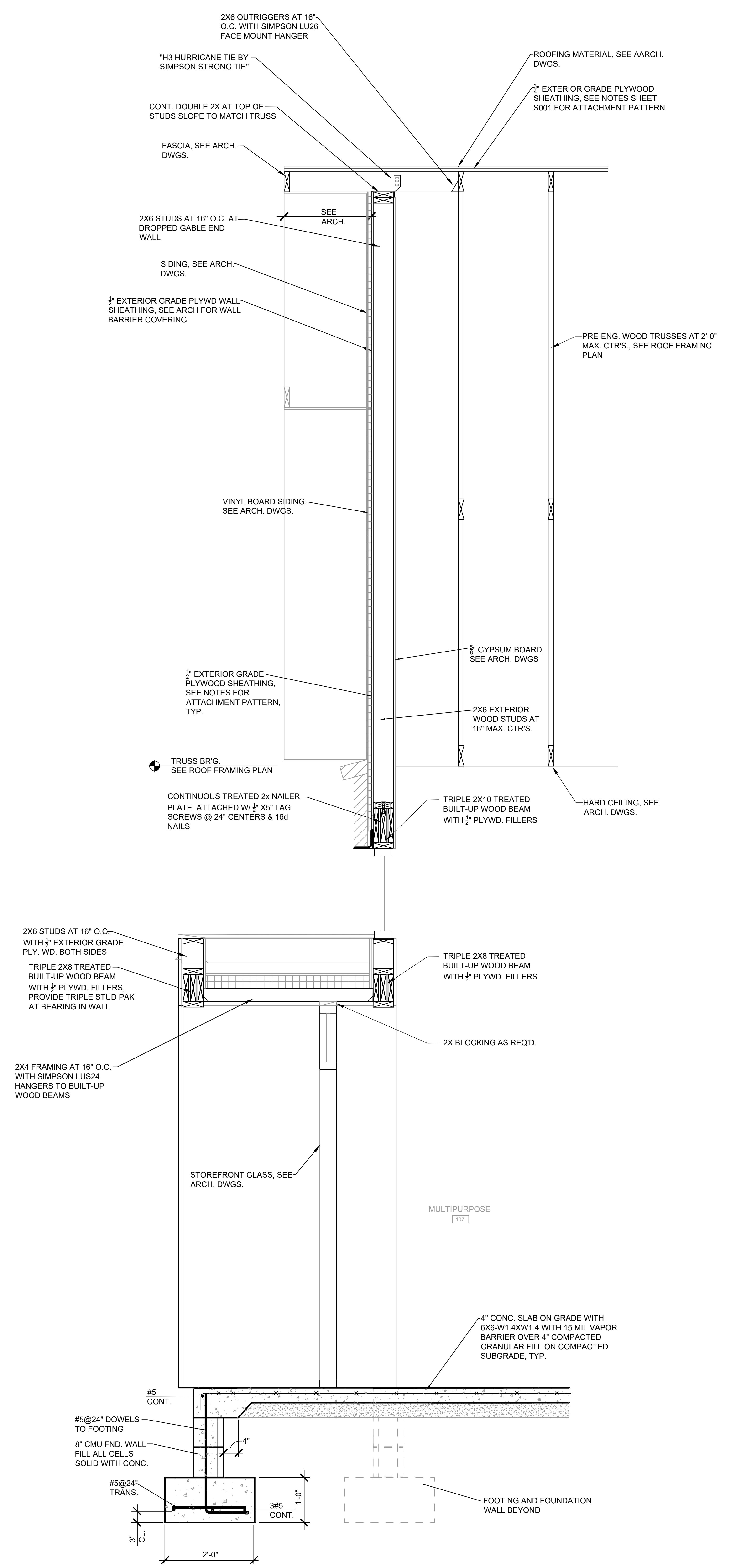
S101

6/12/2026 11:24:41 AM Autodesk Docs://Samaritan House – Cafeteria MP Room/202601700.rvt


ROOFING MATERIAL, SEE ARCH. DRAWINGS
$\frac{3}{4}$" EXTERIOR GRADE PLYWOOD SHEATHING, SEE NOTES SHEET S001 FOR ATTACHMENT PATTERN
PRE-ENG. WOOD TRUSSES AT 2'-0" MAX. CTR'S.
12
SEE ARCH.
CONTINUOUS DOUBLE TREATED 2x TOP PLATE
FASCIA, SEE ARCH. DWGS.
TRUSS BR'G. SEE ROOF FRAMING PLAN
SEE ARCH.
ACT CEILING, SEE ARCH. DWGS.
H2.5A HURRICANE TIE BY SIMPSON'S STRONG TIE" GALVANIZED METAL OR APPROVED EQUAL AT ALL TRUSS BEARING
EXTEND SHEATHING TO BOTTOM OF OVERHANG AND FASTEN TO TOP PLATES & TRUSS, TYP.
$\frac{5}{8}$" GYPSUM BOARD, SEE ARCH. DWGS
$\frac{1}{2}$" PLYWOOD SHEATHING, SEE NOTES FOR ATTACHMENT PATTERN, TYP.
2X6 EXTERIOR WOOD STUDS AT 16" MAX. CTR'S.
2X SILL PLATE ANCHORED TO SLAB WITH $\frac{5}{8}$" DIA. ANCHORS AT 32" O.C. WITH HILTI HIT-HY 200 ADHESIVE (6" MIN. EMBED.)
4" CONC. SLAB ON GRADE WITH 6X6-W1.4XW1.4 WITH 15 MIL VAPOR BARRIER OVER 4" COMPACTED GRANULAR FILL ON COMPACTED SUBGRADE, TYP.
#5 CONT.
#5@24" DOWELS TO FOOTING
8" CMU FND. WALL FILL ALL CELLS SOLID WITH CONC.
4"
#5@24" TRANS.
3#5 CONT.
1'-0"
3" CL.
2'-0"

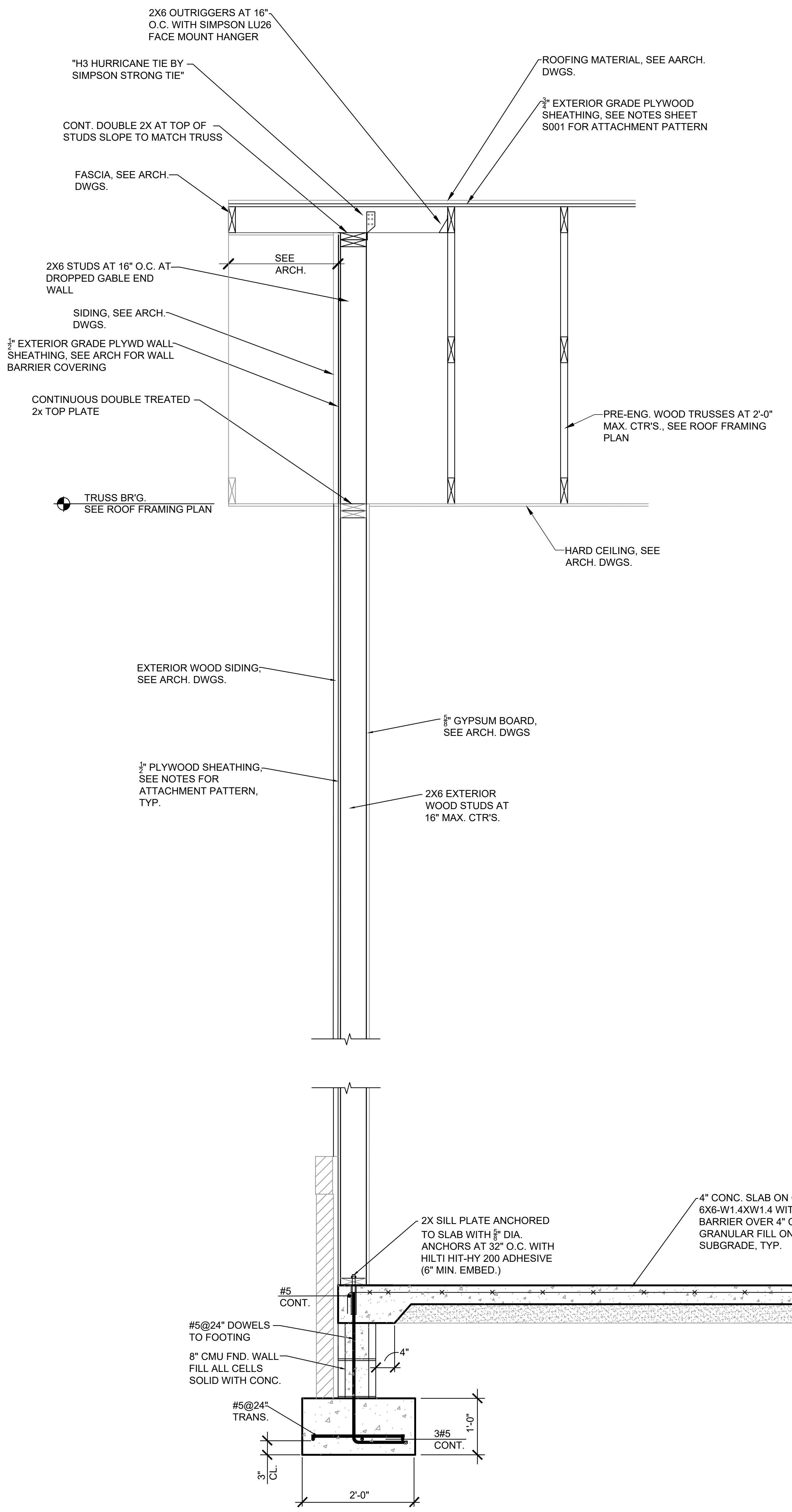
1 S200 SECTION

SCALE: 3/4" = 1'-0"


2X6 OUTRIGGERS AT 16" O.C. WITH SIMPSON LU26 FACE MOUNT HANGER
"H3 HURRICANE TIE BY SIMPSON STRONG TIE"
CONT. DOUBLE 2X AT TOP OF STUDS SLOPE TO MATCH TRUSS
FASCIA, SEE ARCH. DWGS.
ROOFING MATERIAL, SEE AARCH. DWGS.
$\frac{3}{4}$" EXTERIOR GRADE PLYWOOD SHEATHING, SEE NOTES SHEET S001 FOR ATTACHMENT PATTERN
SEE ARCH.
2X6 STUDS AT 16" O.C. AT DROPPED GABLE END WALL
SIDING, SEE ARCH. DWGS.
$\frac{1}{2}$" EXTERIOR GRADE PLYWD WALL SHEATHING, SEE ARCH FOR WALL BARRIER COVERING
PRE-ENG. WOOD TRUSSES AT 2'-0" MAX. CTR'S., SEE ROOF FRAMING PLAN
VINYL BOARD SIDING, SEE ARCH. DWGS.
$\frac{5}{8}$" GYPSUM BOARD, SEE ARCH. DWGS
$\frac{1}{2}$" EXTERIOR GRADE PLYWOOD SHEATHING, SEE NOTES FOR ATTACHMENT PATTERN, TYP.
2X6 EXTERIOR WOOD STUDS AT 16" MAX. CTR'S.
TRUSS BR'G. SEE ROOF FRAMING PLAN
CONTINUOUS TREATED 2x NAILER PLATE ATTACHED W/ $\frac{1}{2}$" X5" LAG SCREWS @ 24" CENTERS & 16d NAILS
TRIPLE 2X10 TREATED BUILT-UP WOOD BEAM WITH $\frac{1}{2}$" PLYWD. FILLERS
HARD CEILING, SEE ARCH. DWGS.
2X6 STUDS AT 16" O.C. WITH $\frac{1}{2}$" EXTERIOR GRADE PLY. WD. BOTH SIDES
TRIPLE 2X8 TREATED BUILT-UP WOOD BEAM WITH $\frac{1}{2}$" PLYWD. FILLERS, PROVIDE TRIPLE STUD PAK AT BEARING IN WALL
TRIPLE 2X8 TREATED BUILT-UP WOOD BEAM WITH $\frac{1}{2}$" PLYWD. FILLERS
2X BLOCKING AS REQ'D.
2X4 FRAMING AT 16" O.C. WITH SIMPSON LUS24 HANGERS TO BUILT-UP WOOD BEAMS
STOREFRONT GLASS, SEE ARCH. DWGS.
MULTIPURPOSE
107
4" CONC. SLAB ON GRADE WITH 6X6-W1.4XW1.4 WITH 15 MIL VAPOR BARRIER OVER 4" COMPACTED GRANULAR FILL ON COMPACTED SUBGRADE, TYP.
#5 CONT.
#5@24" DOWELS TO FOOTING
8" CMU FND. WALL FILL ALL CELLS SOLID WITH CONC.
4"
#5@24" TRANS.
3#5 CONT.
1'-0"
3" CL.
2'-0"
FOOTING AND FOUNDATION WALL BEYOND

2 S200 SECTION

SCALE: 3/4" = 1'-0"


2X6 OUTRIGGERS AT 16" O.C. WITH SIMPSON LU26 FACE MOUNT HANGER
"H3 HURRICANE TIE BY SIMPSON STRONG TIE"
CONT. DOUBLE 2X AT TOP OF STUDS SLOPE TO MATCH TRUSS
FASCIA, SEE ARCH. DWGS.
ROOFING MATERIAL, SEE AARCH. DWGS.
$\frac{3}{4}$" EXTERIOR GRADE PLYWOOD SHEATHING, SEE NOTES SHEET S001 FOR ATTACHMENT PATTERN
SEE ARCH.
2X6 STUDS AT 16" O.C. AT DROPPED GABLE END WALL
SIDING, SEE ARCH. DWGS.
$\frac{1}{2}$" EXTERIOR GRADE PLYWD WALL SHEATHING, SEE ARCH FOR WALL BARRIER COVERING
CONTINUOUS DOUBLE TREATED 2x TOP PLATE
PRE-ENG. WOOD TRUSSES AT 2'-0" MAX. CTR'S., SEE ROOF FRAMING PLAN
TRUSS BR'G. SEE ROOF FRAMING PLAN
HARD CEILING, SEE ARCH. DWGS.
EXTERIOR WOOD SIDING, SEE ARCH. DWGS.
$\frac{5}{8}$" GYPSUM BOARD, SEE ARCH. DWGS
$\frac{1}{2}$" PLYWOOD SHEATHING, SEE NOTES FOR ATTACHMENT PATTERN, TYP.
2X6 EXTERIOR WOOD STUDS AT 16" MAX. CTR'S.
2X SILL PLATE ANCHORED TO SLAB WITH $\frac{5}{8}$" DIA. ANCHORS AT 32" O.C. WITH HILTI HIT-HY 200 ADHESIVE (6" MIN. EMBED.)
4" CONC. SLAB ON GRADE WITH 6X6-W1.4XW1.4 WITH 15 MIL VAPOR BARRIER OVER 4" COMPACTED GRANULAR FILL ON COMPACTED SUBGRADE, TYP.
#5 CONT.
#5@24" DOWELS TO FOOTING
8" CMU FND. WALL FILL ALL CELLS SOLID WITH CONC.
4"
#5@24" TRANS.
3#5 CONT.
1'-0"
3" CL.
2'-0"

3 S200 SECTION

SCALE: 3/4" = 1'-0"

Mabry
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MEAI PROJ. NO. 26-3634

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MORGAN
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ph 803.772.8420

PROJECT RECORD SEAL

No. 17457
7/31/26
MABRY ENGINEERING ASSOCIATES, INC.
No. C03489

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

STRUCTURAL
SECTIONS

ISSUE BLOCK

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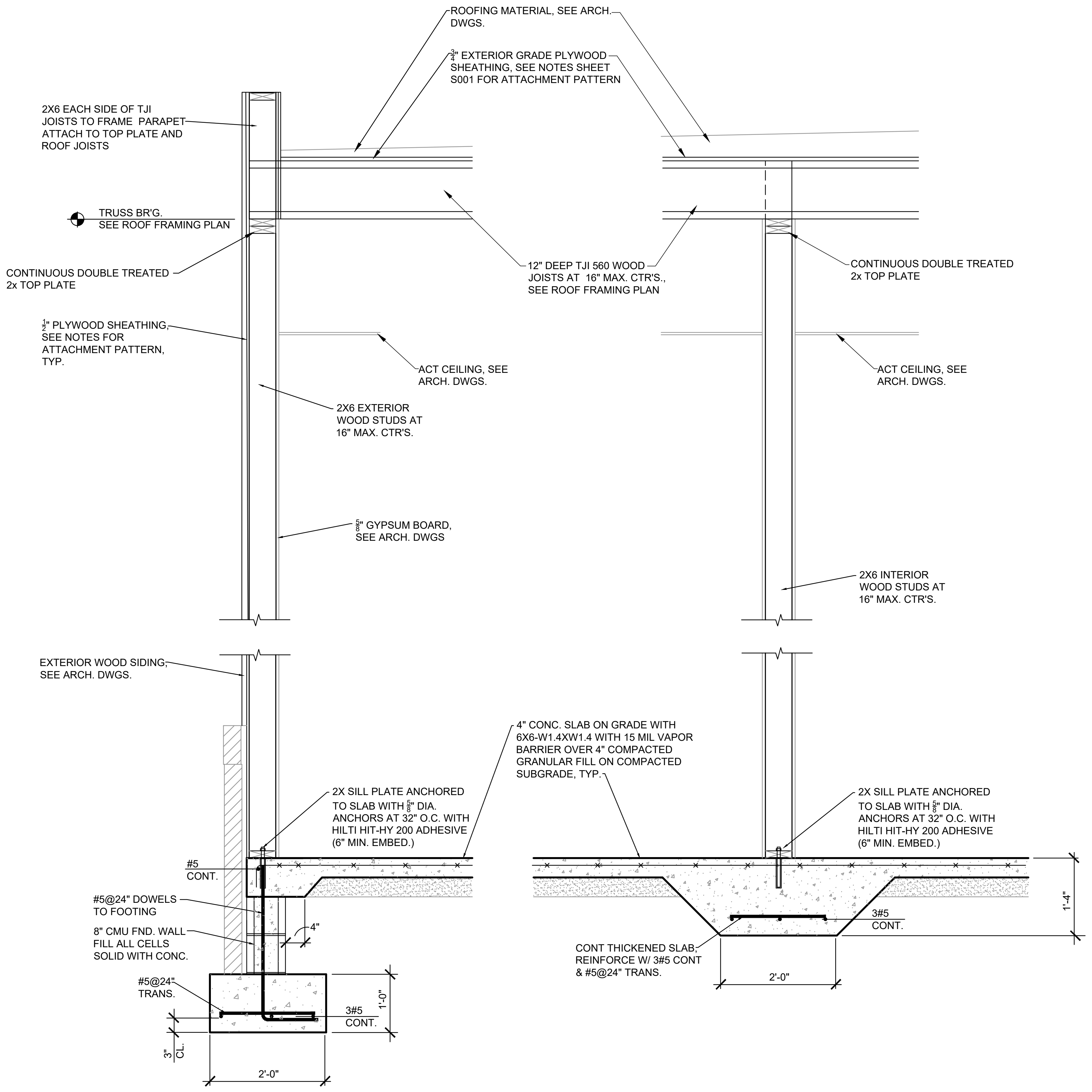
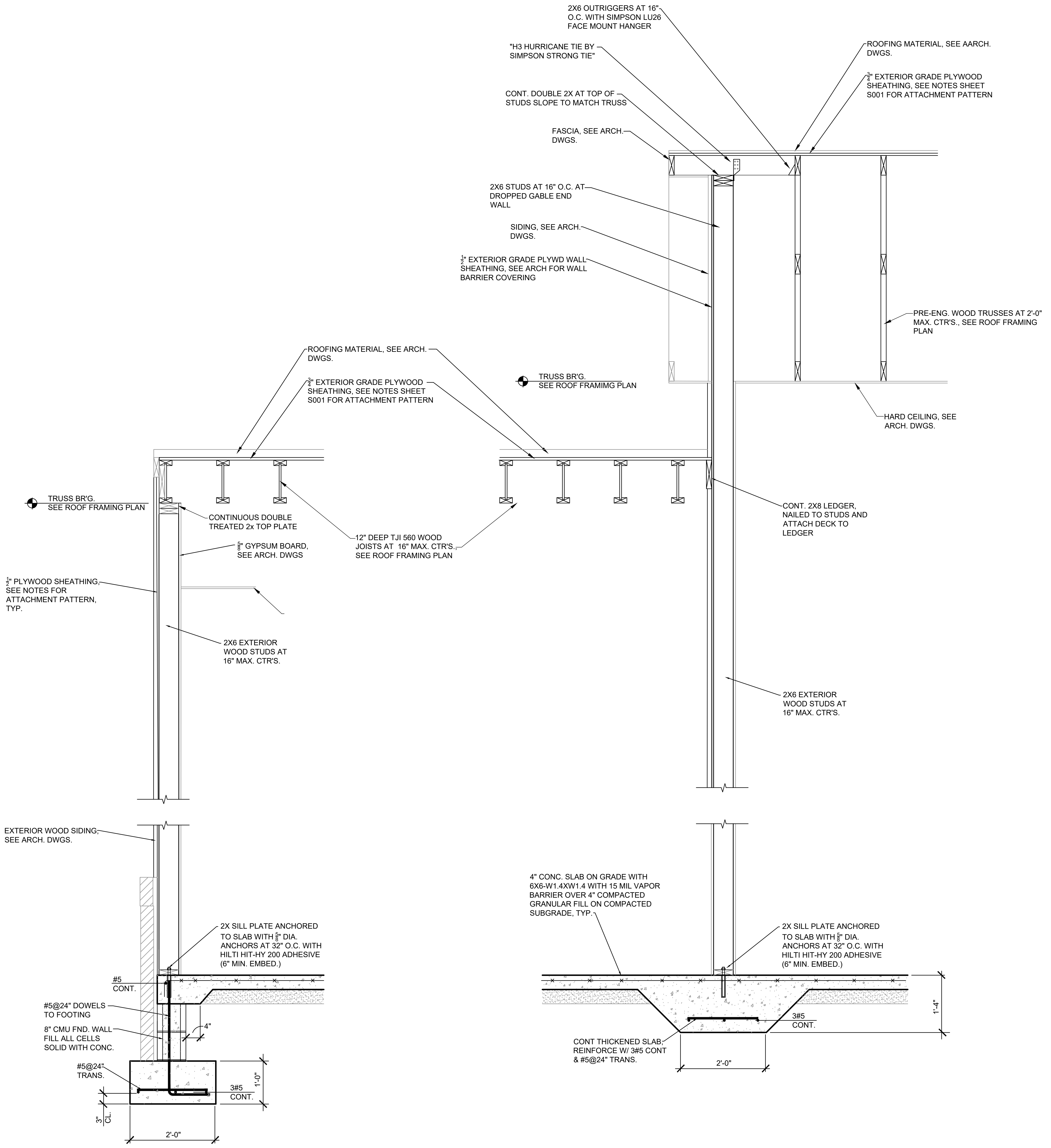

2X6 EACH SIDE OF TJI JOISTS TO FRAME PARAPET ATTACH TO TOP PLATE AND ROOF JOISTS
ROOFING MATERIAL, SEE ARCH. DWGS.
¾" EXTERIOR GRADE PLYWOOD SHEATHING, SEE NOTES SHEET S001 FOR ATTACHMENT PATTERN
TRUSS BR'G. SEE ROOF FRAMING PLAN
CONTINUOUS DOUBLE TREATED 2x TOP PLATE
12" DEEP TJI 560 WOOD JOISTS AT 16" MAX. CTR'S., SEE ROOF FRAMING PLAN
CONTINUOUS DOUBLE TREATED 2x TOP PLATE
½" PLYWOOD SHEATHING, SEE NOTES FOR ATTACHMENT PATTERN, TYP.
ACT CEILING, SEE ARCH. DWGS.
ACT CEILING, SEE ARCH. DWGS.
2X6 EXTERIOR WOOD STUDS AT 16" MAX. CTR'S.
⅝" GYPSUM BOARD, SEE ARCH. DWGS
2X6 INTERIOR WOOD STUDS AT 16" MAX. CTR'S.
EXTERIOR WOOD SIDING, SEE ARCH. DWGS.
4" CONC. SLAB ON GRADE WITH 6X6-W1.4XW1.4 WITH 15 MIL VAPOR BARRIER OVER 4" COMPACTED GRANULAR FILL ON COMPACTED SUBGRADE, TYP.
2X SILL PLATE ANCHORED TO SLAB WITH ⅝" DIA. ANCHORS AT 32" O.C. WITH HILTI HIT-HY 200 ADHESIVE (6" MIN. EMBED.)
2X SILL PLATE ANCHORED TO SLAB WITH ⅝" DIA. ANCHORS AT 32" O.C. WITH HILTI HIT-HY 200 ADHESIVE (6" MIN. EMBED.)
#5 CONT.
#5@24" DOWELS TO FOOTING
8" CMU FND. WALL FILL ALL CELLS SOLID WITH CONC.
4"
#5@24" TRANS.
3#5 CONT.
1'-0"
3" CL.
2'-0"
1'-4"
3#5 CONT.
CONT THICKENED SLAB, REINFORCE W/ 3#5 CONT & #5@24" TRANS.
2'-0"

4 / S201 **SECTION**
SCALE: 3/4" = 1'-0"

5 / S201 **SECTION**
SCALE: 3/4" = 1'-0"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"H3 HURRICANE TIE BY SIMPSON STRONG TIE"
ROOFING MATERIAL, SEE AARCH. DWGS.
¾" EXTERIOR GRADE PLYWOOD SHEATHING, SEE NOTES SHEET S001 FOR ATTACHMENT PATTERN
CONT. DOUBLE 2X AT TOP OF STUDS SLOPE TO MATCH TRUSS
FASCIA, SEE ARCH. DWGS.
2X6 STUDS AT 16" O.C. AT DROPPED GABLE END WALL
SIDING, SEE ARCH. DWGS.
½" EXTERIOR GRADE PLYWD WALL SHEATHING, SEE ARCH FOR WALL BARRIER COVERING
PRE-ENG. WOOD TRUSSES AT 2'-0" MAX. CTR'S., SEE ROOF FRAMING PLAN
ROOFING MATERIAL, SEE ARCH. DWGS.
¾" EXTERIOR GRADE PLYWOOD SHEATHING, SEE NOTES SHEET S001 FOR ATTACHMENT PATTERN
TRUSS BR'G. SEE ROOF FRAMIMG PLAN
HARD CEILING, SEE ARCH. DWGS.
TRUSS BR'G. SEE ROOF FRAMING PLAN
CONTINUOUS DOUBLE TREATED 2x TOP PLATE
⅝" GYPSUM BOARD, SEE ARCH. DWGS
12" DEEP TJI 560 WOOD JOISTS AT 16" MAX. CTR'S., SEE ROOF FRAMING PLAN
CONT. 2X8 LEDGER, NAILED TO STUDS AND ATTACH DECK TO LEDGER
½" PLYWOOD SHEATHING, SEE NOTES FOR ATTACHMENT PATTERN, TYP.
2X6 EXTERIOR WOOD STUDS AT 16" MAX. CTR'S.
2X6 EXTERIOR WOOD STUDS AT 16" MAX. CTR'S.
EXTERIOR WOOD SIDING, SEE ARCH. DWGS.
4" CONC. SLAB ON GRADE WITH 6X6-W1.4XW1.4 WITH 15 MIL VAPOR BARRIER OVER 4" COMPACTED GRANULAR FILL ON COMPACTED SUBGRADE, TYP.
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#5 CONT.
#5@24" DOWELS TO FOOTING
8" CMU FND. WALL FILL ALL CELLS SOLID WITH CONC.
4"
#5@24" TRANS.
3#5 CONT.
1'-0"
3" CL.
2'-0"
1'-4"
3#5 CONT.
CONT THICKENED SLAB, REINFORCE W/ 3#5 CONT & #5@24" TRANS.
2'-0"

6 / S201 **SECTION**
SCALE: 3/4" = 1'-0"

7 / S201 **SECTION**
SCALE: 3/4" = 1'-0"

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PROJECT RECORD SEAL

SOUTH CAROLINA PROFESSIONAL REGISTERED ENGINEER
No. 17457
ALBERT A. STEVENS
7/31/26

SOUTH CAROLINA
MABRY ENGINEERING ASSOCIATES, INC.
No. C03489
CERTIFICATE OF AUTHORIZATION

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

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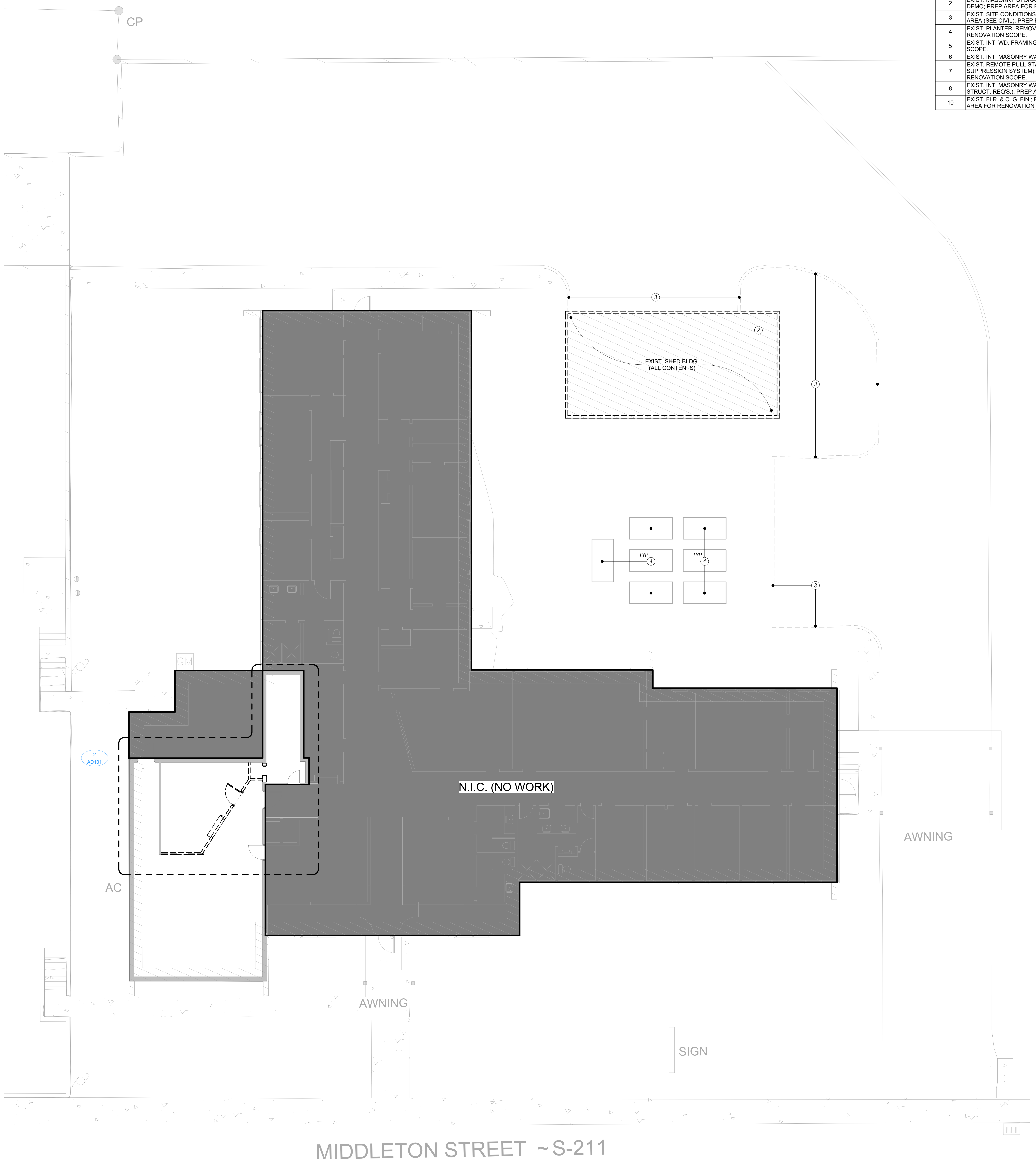

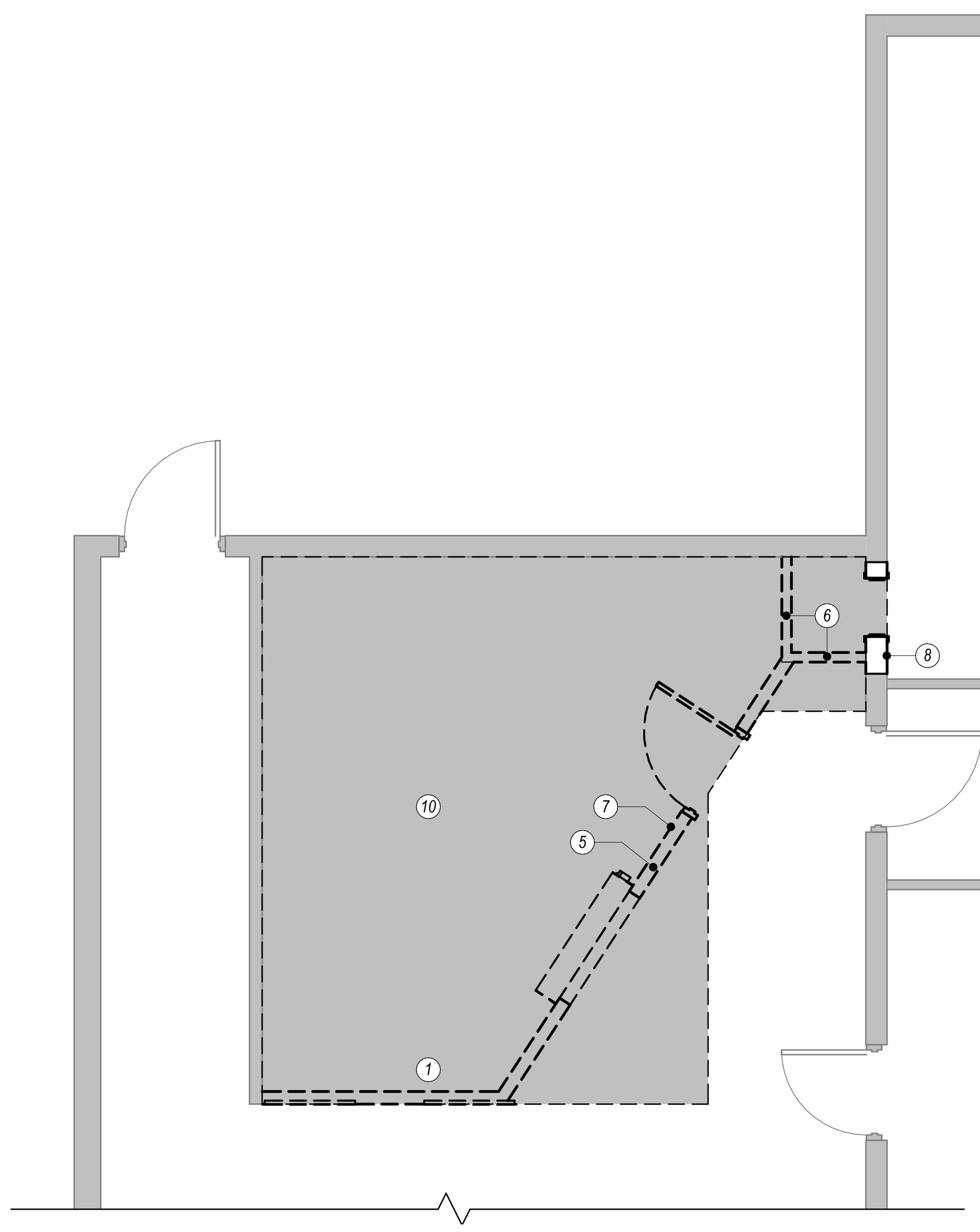

2 GROUND FLOOR DEMO PLAN (ALT. D)

SCALE: 1/4" = 1'-0"

1 GROUND FLOOR DEMO PLAN

SCALE: 1/8" = 1'-0"

DEMO PLAN LEGEND

NOTE NO.	DESCRIPTION
1	EXIST. WALL-MOUNTED FIRE EXTINGUISHER; SALVAGE / PREP FOR RENOVATION SCOPE.
2	EXIST. MASONRY STORAGE BLDG.; REMOVE ALL CONTENTS WITHIN / DEMO; PREP AREA FOR RENOVATION SCOPE.
3	EXIST. SITE CONDITIONS; DEMO / REMOVE CURBS / PAVING / PERVIOUS AREA (SEE CIVIL); PREP FOR RENOVATION SCOPE.
4	EXIST. PLANTER; REMOVE / SALVAGE FOR RELOCATION AS PER RENOVATION SCOPE.
5	EXIST. INT. WD. FRAMING WALL & BASE; PREP AREA FOR RENOVATION SCOPE.
6	EXIST. INT. MASONRY WALL; PREP AREA FOR RENOVATION SCOPE.
7	EXIST. REMOTE PULL STATION (FOR KITCHEN HOOD FIRE SUPPRESSION SYSTEM); SALVAGE / CAP FOR RELOCATION AS PER RENOVATION SCOPE.
8	EXIST. INT. MASONRY WALL W/ CASED OPG.; REMOVE / DEMO (AS PER STRUCT. REQ'S.); PREP AREA FOR RENOVATION SCOPE.
10	EXIST. FLR. & CLG. FIN.; REMOVE / SALVAGE (AS INDICATED) & PREP AREA FOR RENOVATION SCOPE.

DEMOLITION PLAN NOTES

1. REMOVE/DEMO EXISTING MASONRY FRAMED STORAGE BUILDING, ROLL UP DOORS, ROOFING AND ASSOCIATED FENCING. PREP AREA FOR WORK SCOPE. SEE RENOVATION DRAWINGS - THIS SET
2. REMOVE EXISTING CONCRETE CURBS, ASPHALT PAVING, AND GRASSED AREA TO PREP FOR NEW WORK SCOPE. SEE RENOVATION DRAWINGS - THIS SET.

FLOOR PLAN NOTES

1. ALL VIEWPORT REFERENCES TO BE BASED ON PLAN NORTH (U.N.O.)
2. DIMENSIONS ARE FROM EXT. FACE OF CONCRETE, MASONRY, OR MTL. STUD / WALL FRAMING (INT. WALLS) (U.N.O.)
3. ALL INT. (NON) LOAD-BEARING MTL. STUD SPACING @ 16" O.C. (U.N.O.)
4. ALL INT. WALLS NOTED TO RECEIVE SOUND-ATTENUATION BATT INSUL. SHALL BE EXTENDED UP TO THE BOTTOM CHORD OF ROOF TRUSS (U.N.O.)
5. DOORS 1A, 1B, 5C, 5D & 8B TO BE LEVEL EXITS ACCESSIBLE TO GRADE AND / OR SLAB-ON-GRADE.
6. G.W.B. THROUGHOUT BUILDING TO BE 5/8" AND RATED AS PER FIRE CODE REQ'D.
7. PROVIDE THICKENED WALLS AS REQ'D. FOR ELEC. PANELS, FIRE EXTINGUISHERS, AND REC. MECH. EQUIPMENT.
8. G.C. SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, HANDRAILS, CABINETS, ETC.
9. PROVIDE CONT. S-STL. CORNER GUARDS AT ALL WALL CORNER INSTANCES. PROVIDE CONT. S-STL. HINGES AT ALL STALL PARTITION INSTANCES.
10. PROVIDE SEMI-REC. FIRE EXTINGUISHER CABINETS (F.E.C.) (SEE A101).
11. PROVIDE ATTIC ACCESS PANELS (AS REQ'D). SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MFR. INSTRUCTIONS (SEE STRUCT).
12. G.C. TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION.
13. PROVIDE CONC. SLABS AT EXT. DOORS (SEE STRUCT).

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PROJECT RECORD SEAL

ERNEST W.
OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN
GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

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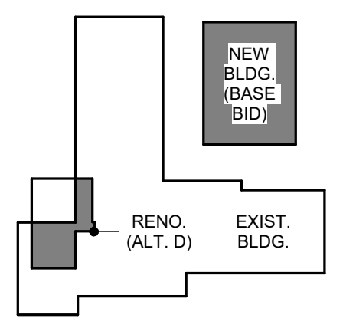
DEMOLITION PLAN

KEY MAP



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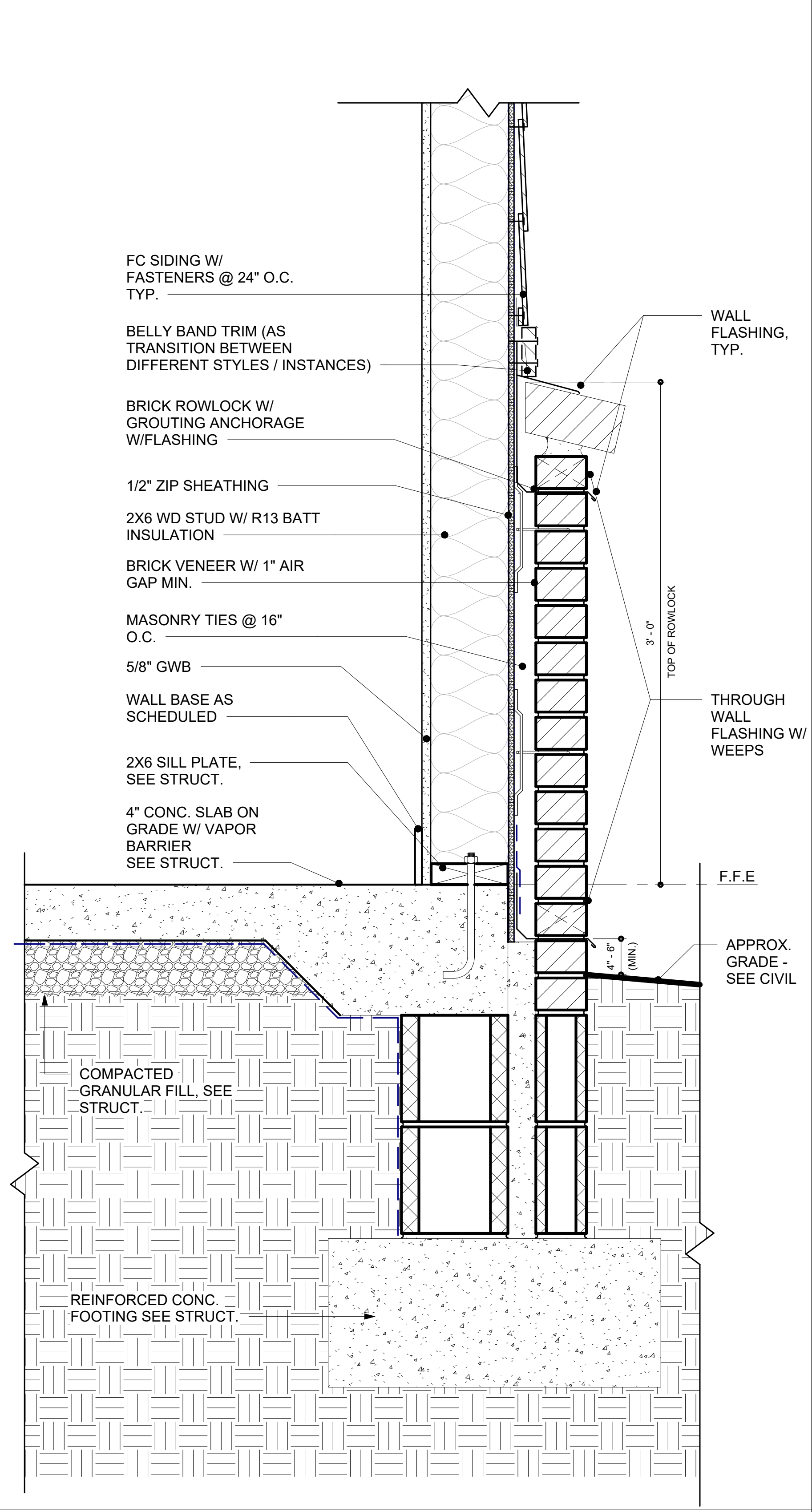
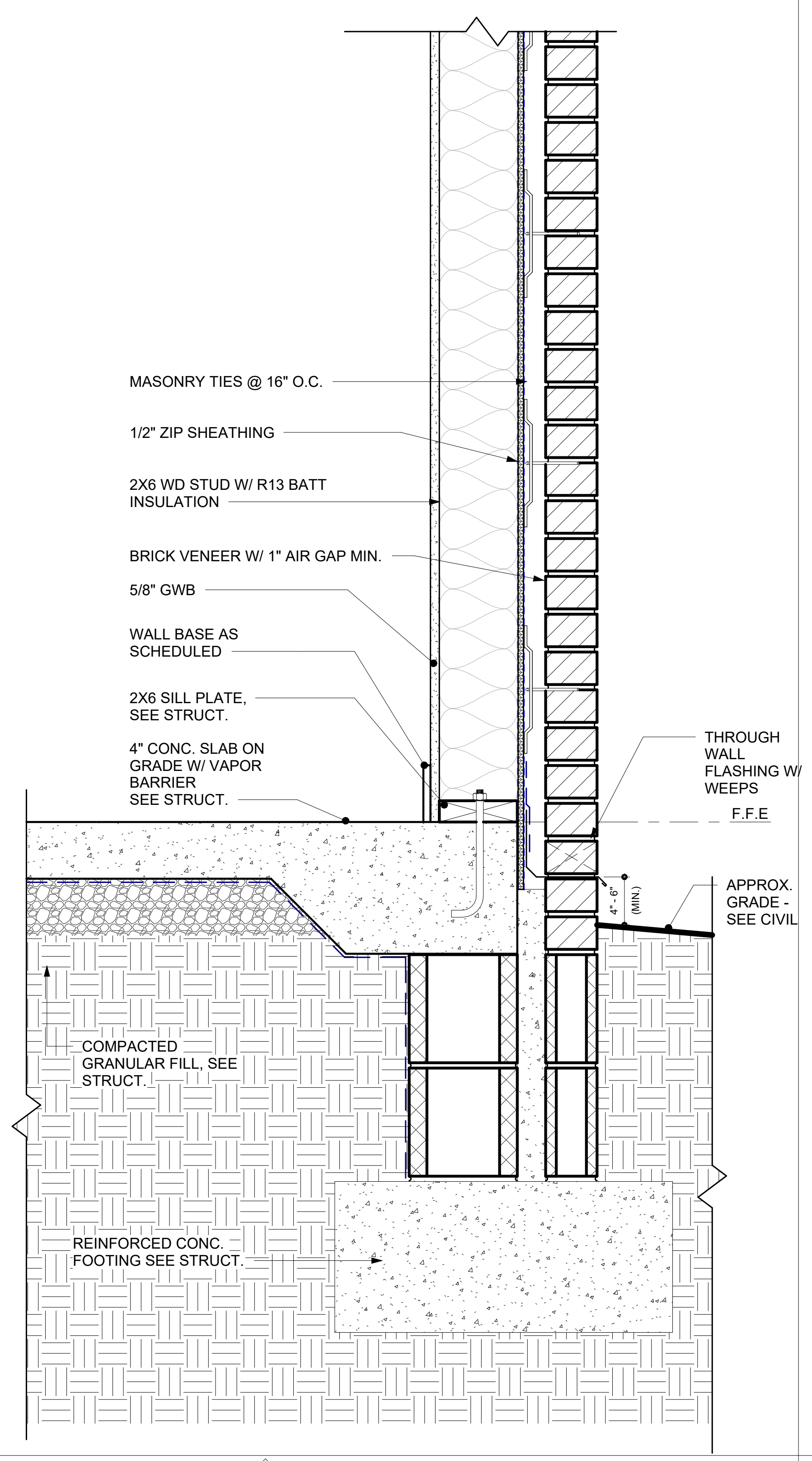
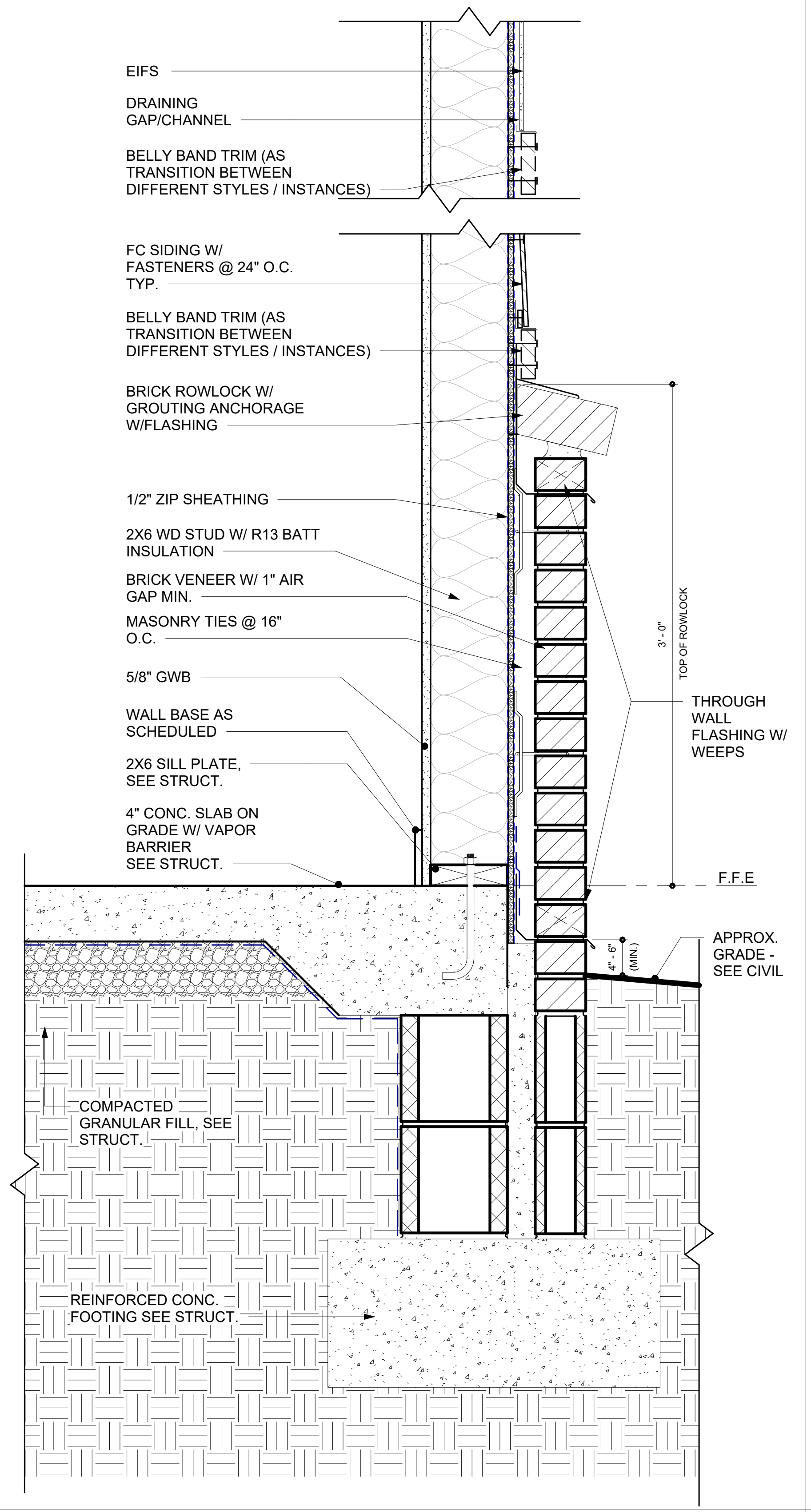

FC SIDING W/ FASTENERS @ 24" O.C. TYP.
BELLY BAND TRIM (AS TRANSITION BETWEEN DIFFERENT STYLES / INSTANCES)
BRICK ROWLOCK W/ GROUTING ANCHORAGE W/FLASHING
1/2" ZIP SHEATHING
2X6 WD STUD W/ R13 BATT INSULATION
BRICK VENEER W/ 1" AIR GAP MIN.
MASONRY TIES @ 16" O.C.
5/8" GWB
WALL BASE AS SCHEDULED
2X6 SILL PLATE, SEE STRUCT.
4" CONC. SLAB ON GRADE W/ VAPOR BARRIER SEE STRUCT.
WALL FLASHING, TYP.
3' - 0"
TOP OF ROWLOCK
THROUGH WALL FLASHING W/ WEEPS
F.F.E
4" - 6" (MIN.)
APPROX. GRADE - SEE CIVIL
COMPACTED GRANULAR FILL, SEE STRUCT.
REINFORCED CONC. FOOTING SEE STRUCT.

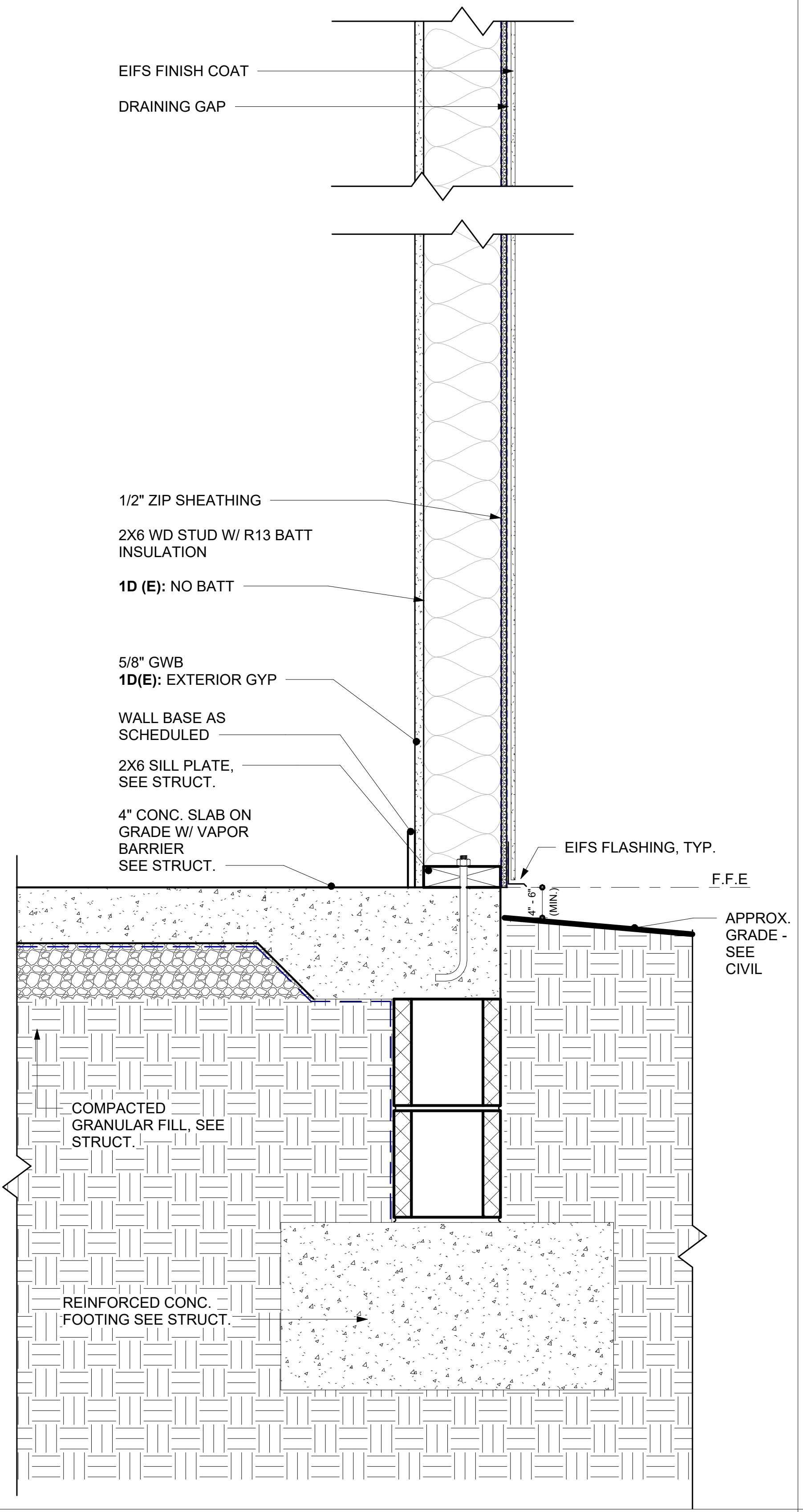
EXT. WALL TYPE 1A FC SIDING W/ BRICK WATER TABLE & ROWLOCK @ WD STUD


MASONRY TIES @ 16" O.C.
1/2" ZIP SHEATHING
2X6 WD STUD W/ R13 BATT INSULATION
BRICK VENEER W/ 1" AIR GAP MIN.
5/8" GWB
WALL BASE AS SCHEDULED
2X6 SILL PLATE, SEE STRUCT.
4" CONC. SLAB ON GRADE W/ VAPOR BARRIER SEE STRUCT.
THROUGH WALL FLASHING W/ WEEPS
F.F.E
4" - 6" (MIN.)
APPROX. GRADE - SEE CIVIL
COMPACTED GRANULAR FILL, SEE STRUCT.
REINFORCED CONC. FOOTING SEE STRUCT.

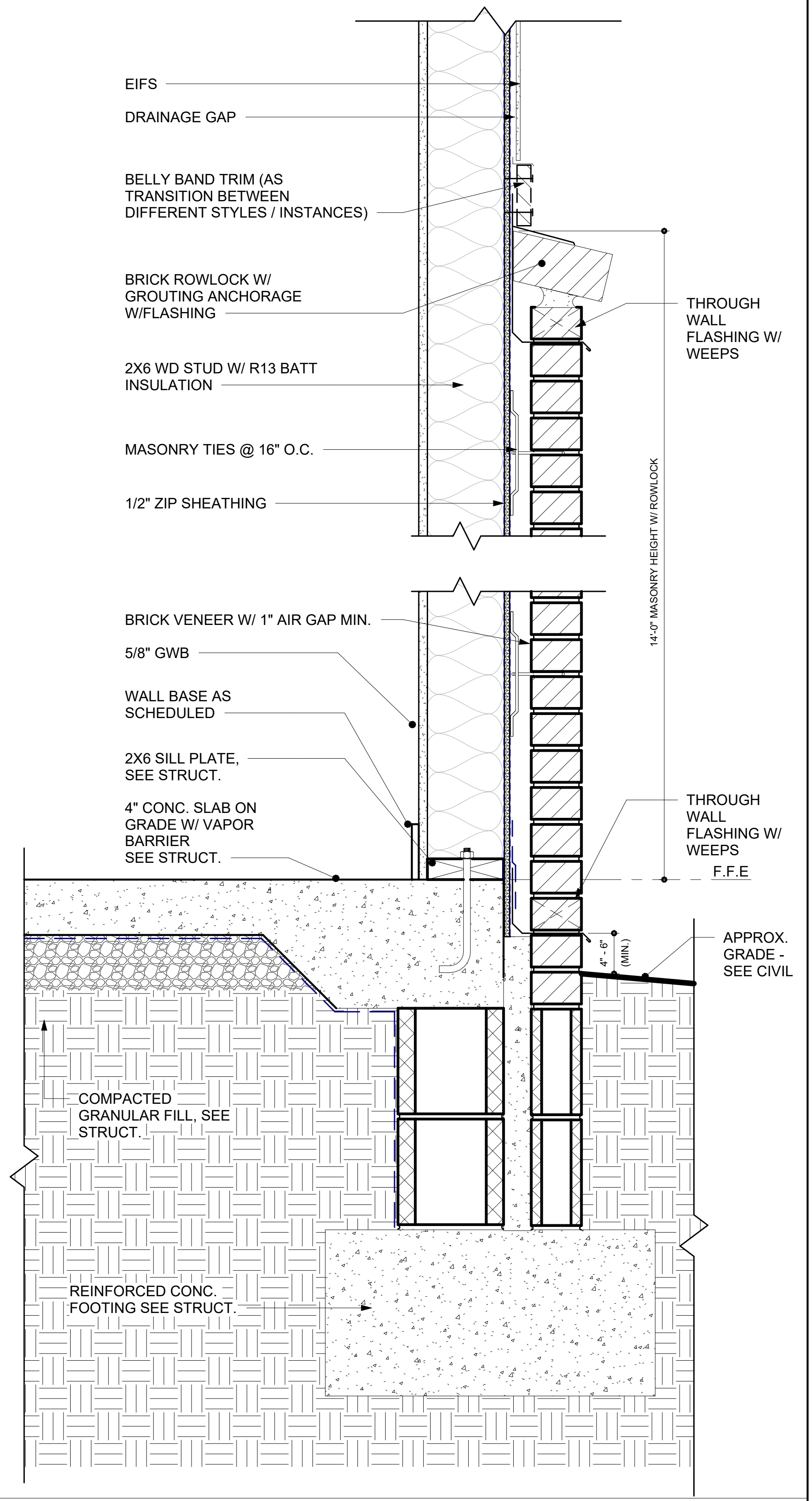
EXT. WALL TYPE 1B BRICK @ WD STUD


EIFS
DRAINING GAP/CHANNEL
BELLY BAND TRIM (AS TRANSITION BETWEEN DIFFERENT STYLES / INSTANCES)
FC SIDING W/ FASTENERS @ 24" O.C. TYP.
BELLY BAND TRIM (AS TRANSITION BETWEEN DIFFERENT STYLES / INSTANCES)
BRICK ROWLOCK W/ GROUTING ANCHORAGE W/FLASHING
1/2" ZIP SHEATHING
2X6 WD STUD W/ R13 BATT INSULATION
BRICK VENEER W/ 1" AIR GAP MIN.
MASONRY TIES @ 16" O.C.
5/8" GWB
WALL BASE AS SCHEDULED
2X6 SILL PLATE, SEE STRUCT.
4" CONC. SLAB ON GRADE W/ VAPOR BARRIER SEE STRUCT.
3' - 0"
TOP OF ROWLOCK
THROUGH WALL FLASHING W/ WEEPS
F.F.E
4" - 6" (MIN.)
APPROX. GRADE - SEE CIVIL
COMPACTED GRANULAR FILL, SEE STRUCT.
REINFORCED CONC. FOOTING SEE STRUCT.

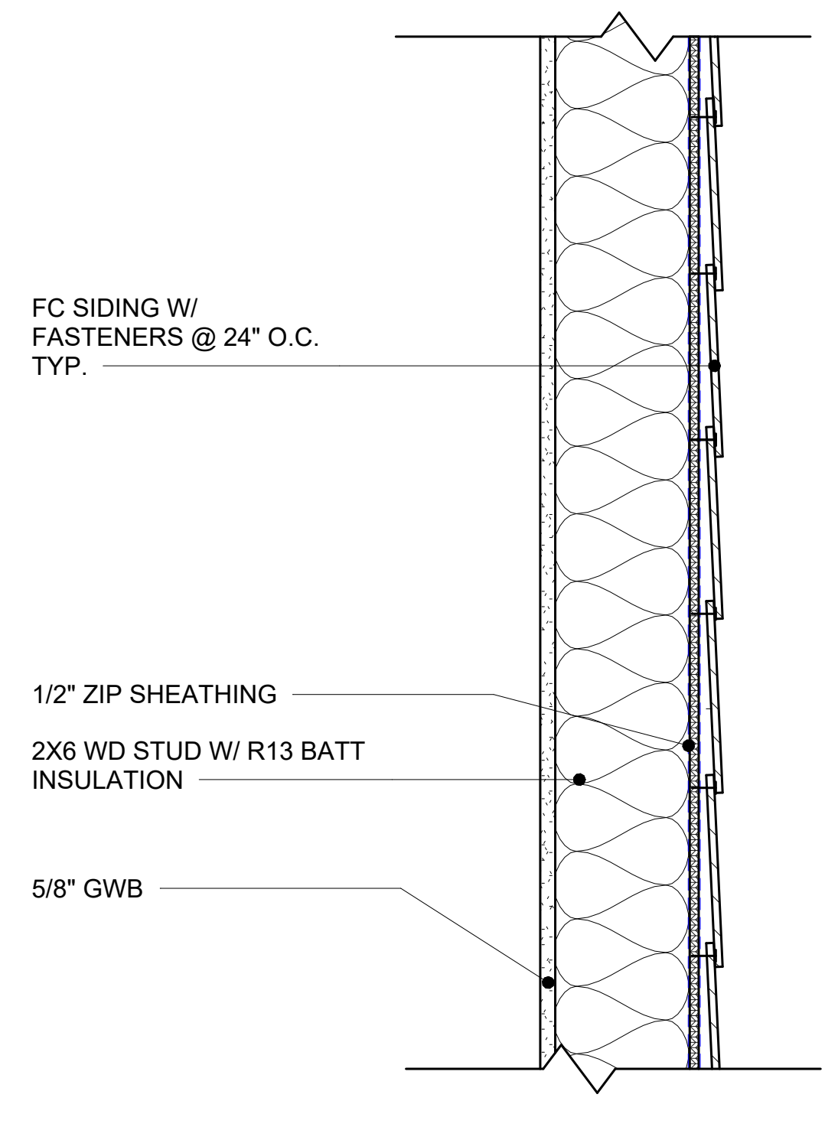
EXT. WALL TYPE 1C EIFS/ FC SIDING W/ BRICK WATER TABLE & ROWLOCK @ WD STUD


EIFS FINISH COAT
DRAINING GAP
1/2" ZIP SHEATHING
2X6 WD STUD W/ R13 BATT INSULATION
1D (E): NO BATT
5/8" GWB
1D(E): EXTERIOR GYP
WALL BASE AS SCHEDULED
2X6 SILL PLATE, SEE STRUCT.
4" CONC. SLAB ON GRADE W/ VAPOR BARRIER SEE STRUCT.
EIFS FLASHING, TYP.
F.F.E
4" - 6" (MIN.)
APPROX. GRADE - SEE CIVIL
COMPACTED GRANULAR FILL, SEE STRUCT.
REINFORCED CONC. FOOTING SEE STRUCT.

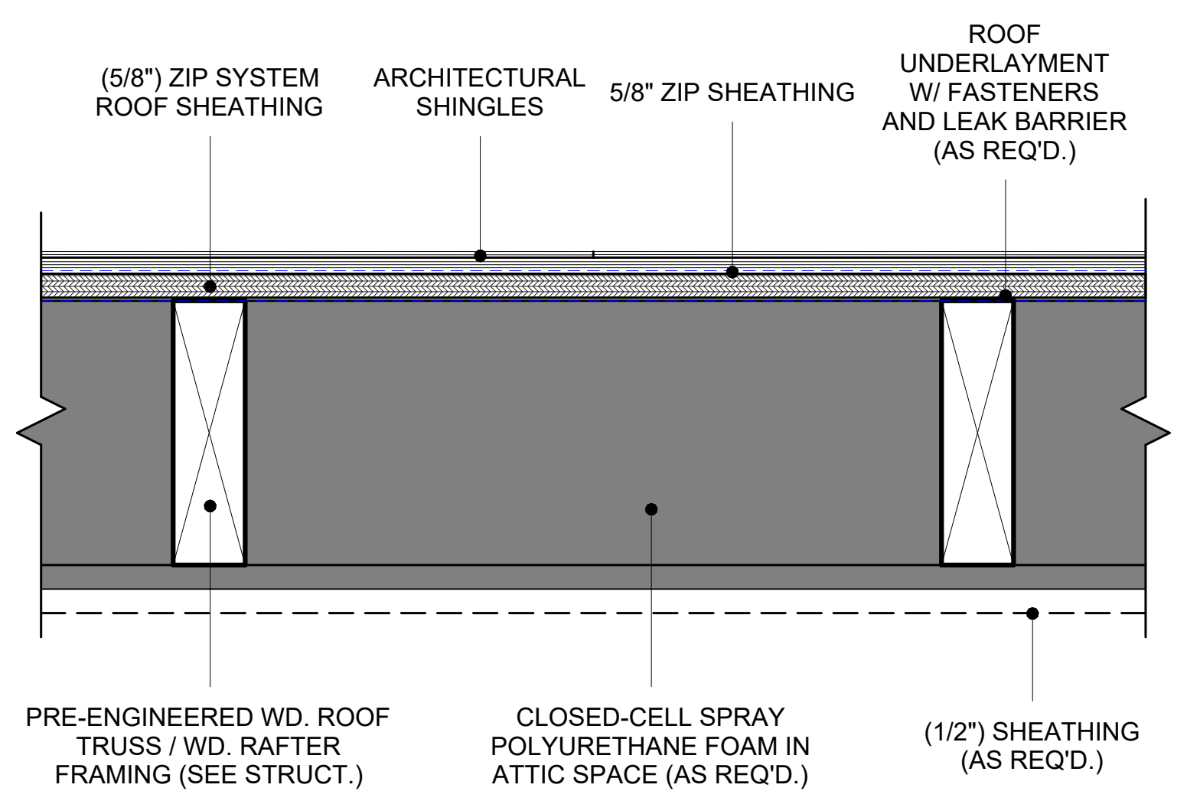
EXT. WALL TYPE 1D, 1D(E) EIFS @ WD STUD


EIFS
DRAINAGE GAP
BELLY BAND TRIM (AS TRANSITION BETWEEN DIFFERENT STYLES / INSTANCES)
BRICK ROWLOCK W/ GROUTING ANCHORAGE W/FLASHING
2X6 WD STUD W/ R13 BATT INSULATION
MASONRY TIES @ 16" O.C.
1/2" ZIP SHEATHING
THROUGH WALL FLASHING W/ WEEPS
14'-0" MASONRY HEIGHT W/ ROWLOCK
BRICK VENEER W/ 1" AIR GAP MIN.
5/8" GWB
WALL BASE AS SCHEDULED
2X6 SILL PLATE, SEE STRUCT.
4" CONC. SLAB ON GRADE W/ VAPOR BARRIER SEE STRUCT.
THROUGH WALL FLASHING W/ WEEPS
F.F.E
4" - 6" (MIN.)
APPROX. GRADE - SEE CIVIL
COMPACTED GRANULAR FILL, SEE STRUCT.
REINFORCED CONC. FOOTING SEE STRUCT.

EXT. WALL TYPE 1E EIFS W/ WATER TABLE & ROWLOCK @ WD STUD

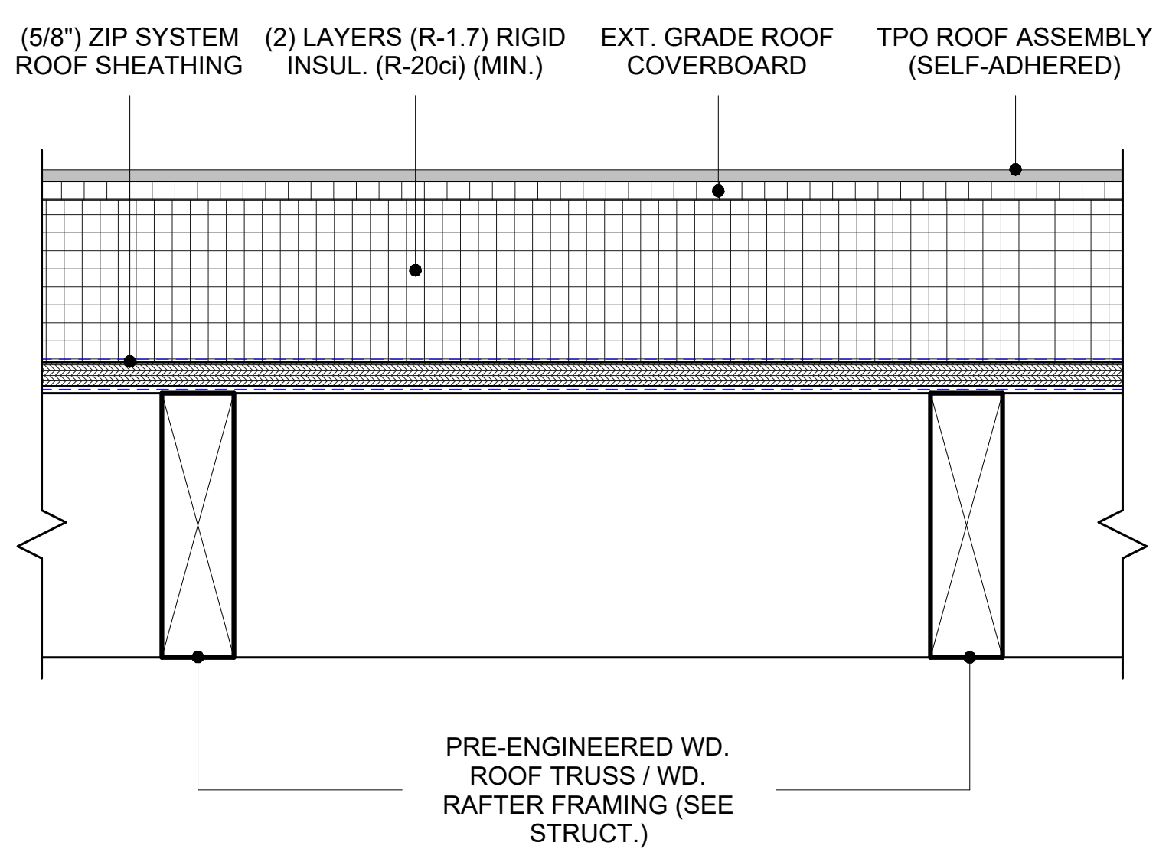

FC SIDING W/ FASTENERS @ 24" O.C. TYP.
1/2" ZIP SHEATHING
2X6 WD STUD W/ R13 BATT INSULATION
5/8" GWB

EXT. WALL TYPE 1F FC SIDING @ WD STUD


(5/8") ZIP SYSTEM ROOF SHEATHING
ARCHITECTURAL SHINGLES
5/8" ZIP SHEATHING
ROOF UNDERLAYMENT W/ FASTENERS AND LEAK BARRIER (AS REQ'D.)
PRE-ENGINEERED WD. ROOF TRUSS / WD. RAFTER FRAMING (SEE STRUCT.)
CLOSED-CELL SPRAY POLYURETHANE FOAM IN ATTIC SPACE (AS REQ'D.)
(1/2") SHEATHING (AS REQ'D.)

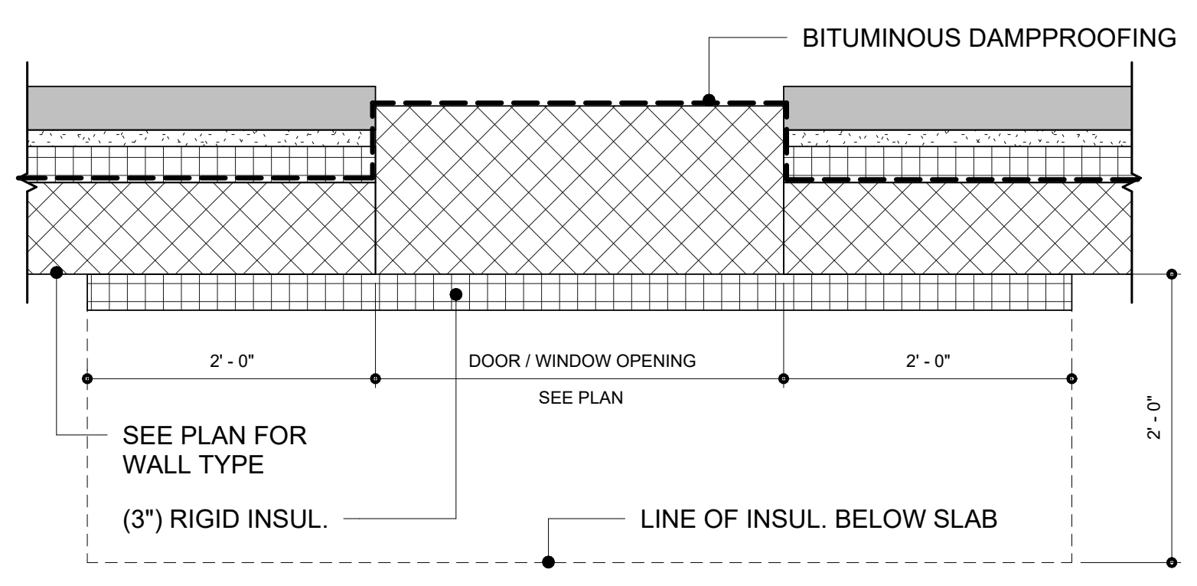
NOTE: TYP. AT ALL GABLE ROOF AREAS (U.N.O.)

ROOF TYPE 1


(5/8") ZIP SYSTEM ROOF SHEATHING
(2) LAYERS (R-1.7) RIGID INSUL. (R-20ci) (MIN.)
EXT. GRADE ROOF COVERBOARD
TPO ROOF ASSEMBLY (SELF-ADHERED)
PRE-ENGINEERED WD. ROOF TRUSS / WD. RAFTER FRAMING (SEE STRUCT.)

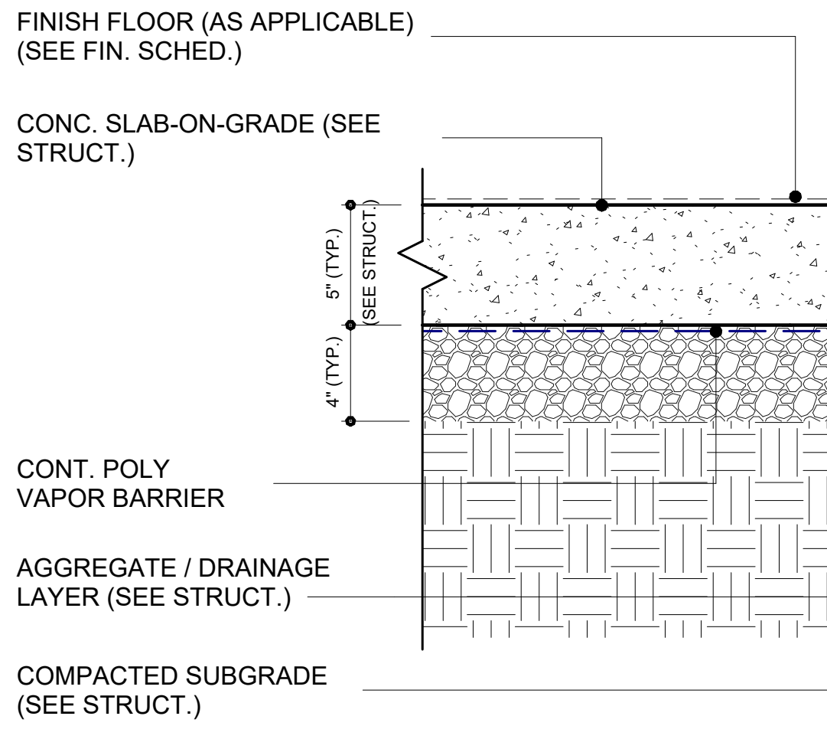
NOTE: TYP. AT ALL LOW-SLOPE ROOF AREAS (U.N.O.)

ROOF TYPE 2



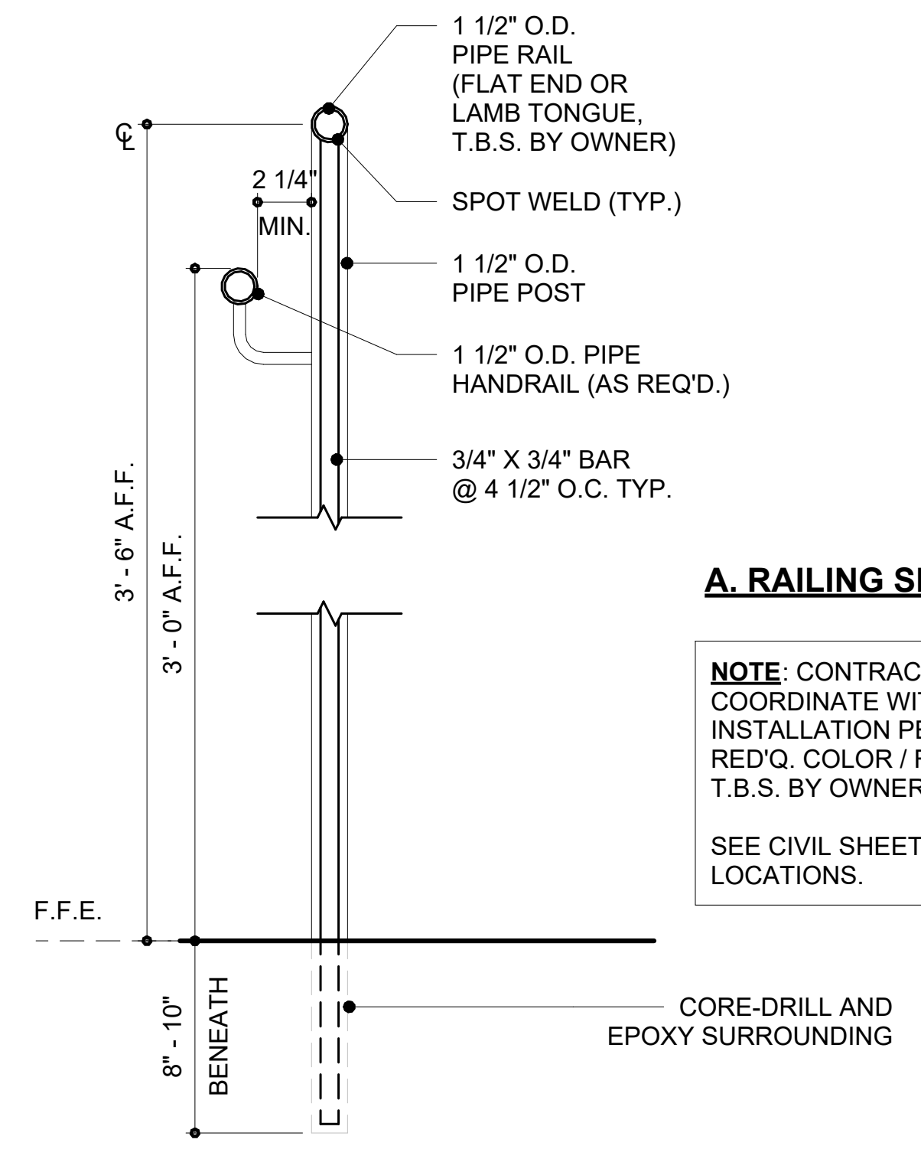
NOTE: FOUNDATION INSUL. DETAIL AT DOOR / WINDOW

FON. INSUL. PLAN DETAIL (TYP.)


FINISH FLOOR (AS APPLICABLE) (SEE FIN. SCHED.)
CONC. SLAB-ON-GRADE (SEE STRUCT.)
5" (TYP.)
(SEE STRUCT.)
4" (TYP.)
CONT. POLY VAPOR BARRIER
AGGREGATE / DRAINAGE LAYER (SEE STRUCT.)
COMPACTED SUBGRADE (SEE STRUCT.)

NOTE: REFER TO A100 AND STRUCTURAL FOUNDATION PLANS FOR EXTENTS OF SLAB TYPES
TYP. FOR ALL INTERIOR / F.F. AREAS (U.N.O.)

SLAB DETAIL


1 1/2" O.D. PIPE RAIL (FLAT END OR LAMB TONGUE, T.B.S. BY OWNER)
℄
2 1/4" MIN.
SPOT WELD (TYP.)
1 1/2" O.D. PIPE POST
1 1/2" O.D. PIPE HANDRAIL (AS REQ'D.)
3/4" X 3/4" BAR @ 4 1/2" O.C. TYP.
3' - 6" A.F.F.
3' - 0" A.F.F.
F.F.E.
8" - 10" BENEATH
CORE-DRILL AND EPOXY SURROUNDING

A. RAILING SECTION

NOTE: CONTRACTOR TO COORDINATE WITH INSTALLATION PER MFR. RED'Q. COLOR / FINISH T.B.S. BY OWNER.

SEE CIVIL SHEETS FOR LOCATIONS.

EXT. FLOOR-RAILING (TYP.)

GENERAL NOTES

1. SEE LIFE SAFETY PLAN (G101) AND FLOOR PLAN (A101) FOR TYP. LOCATION.
2. SEE CODE SHEET (G101) FOR REQ'D. FIRE RATINGS & SMOKETIGHT CONDITIONS OF ALL WALL ASSEMBLIES. MULTIPLE LAYERS OF GWB MAY BE REQUIRED AT RATED PARTITIONS. COORDINATE WITH U.L. DESIGN(S).
3. PROVIDE SOUND-ATTENUATION RATED BATT INSULATION IN RATED STUD-FRAMED PARTITIONS AND FIBERGLASS SOUND BATT INSULATION IN NON-RATED STUD PARTITIONS.
4. PROVIDE MOLD AND MOISTURE RESISTANT GWB AT ALL STUD-FRAMED PARTITIONS IN WET LOCATIONS, INCLUDING TOILET ROOMS, AND AT SINKS AND LAVATORIES. EXTEND TO END OF CASEWORK RUN, INCLUDING SIDEWALLS WHERE ADJACENT TO SINKS.
5. BRACE NON-STRUCTURAL MTL. STUD PARTITIONS WHERE NOT ATTACHED TO STRUCTURE ABOVE OR WHERE HEIGHT OF STRUCTURE EXCEEDS MANUFACTURER'S LIMITING HEIGHT FOR 5PSF @ 16" O.C., OR PROVIDE COLD-FORM FRAMING. SEE SPECIFICATIONS AND STRUCTURAL DRAWINGS.
6. SEE STRUCTURAL FOR BRACING OF PART-HEIGHT MASONRY PARTITIONS, INCLUDING MASONRY PARTITIONS WITH METAL STUD PARTITIONS CONTINUING ABOVE.
7. SEE STRUCTURAL AND SPECIFICATIONS FOR MASONRY TIES IN MULTIPLE-WYTHE MASONRY WALLS AND PARTITIONS. CORRUGATED AND MESH TIES ARE NOT ACCEPTABLE.
8. PROVIDE BULLNOSE MASONRY UNITS AT EXPOSED / OUTSIDE CORNERS AND PER SPECIFICATIONS.
9. PROVIDE SPECIAL-SHAPED MASONRY UNITS PER DETAILS AND SPECIFICATIONS.
10. FILL ALL CORES IN MASONRY UNITS AT THE FOLLOWING LOCATIONS: MECHANICAL ROOMS / EQUIPMENT PLATFORMS AND AS INDICATED (SEE SPECIFICATIONS).
11. PROVIDE ACOUSTICAL SEALANT AT PARTITIONS IN THE FOLLOWING LOCATIONS: MECHANICAL ROOMS AND EQUIPMENT PLATFORMS (SEE SPECIFICATIONS).
12. PROVIDE CONTROL JOINTS IN MASONRY WALLS AS INDICATED ON PLANS, ELEVATIONS, DETAILS, AND AS SPECIFIED. WHERE JOINTS ARE NOT SHOWN, PROVIDE ACCORDING TO B.I.A AND N.C.M.A. TEK NOTES. SUBMIT SHOP DRAWING FOR ARCHITECT'S APPROVAL.

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PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

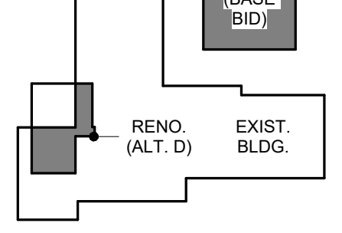
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

CONSTRUCTION TYPES (EXTERIOR)

KEY MAP



ISSUE BLOCK

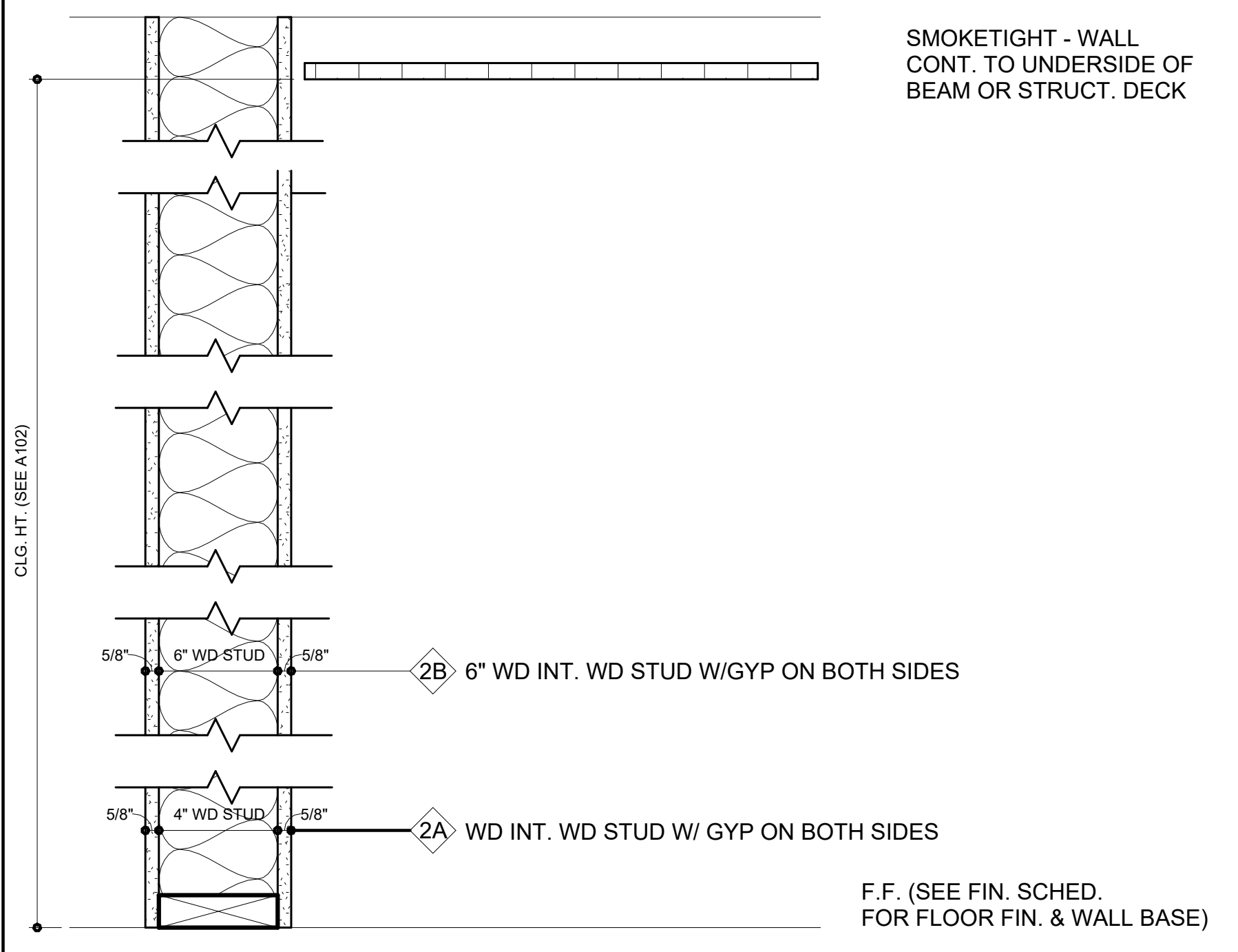
Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH
PROJ MGR: CMC

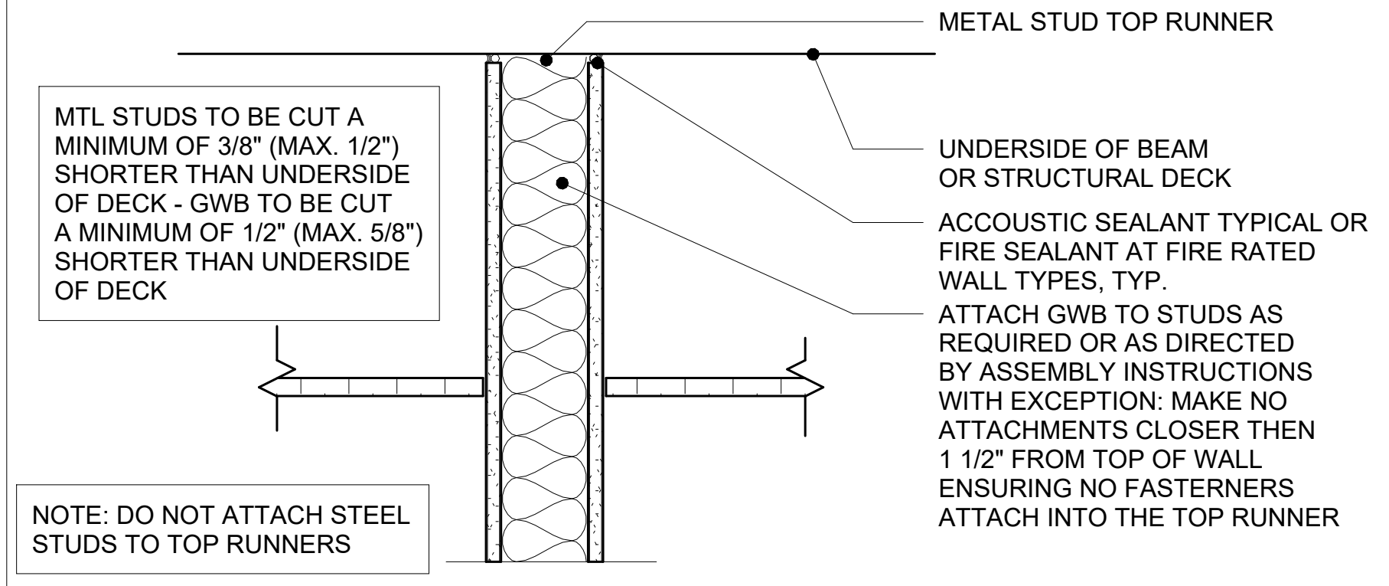
A001

8/10/2026 4:25:17 PM C:\Users\kholdorf\AppData\Local\Autodesk\Revit\Autodesk Revit 2026\CollaborationCache\6EFJZ5N9JLT7XVUK\78a0e798-749d-4bb3-a731-4a4044ef96a5\3eec0d44-5701-4a6c-8e0c-ec42f1801776.rvt

NOTE: SEE A101 FOR WALL TYPE DESIGNATIONS AND ARCHITECTURAL SLAB PLAN FOR T.O.W. CONDITIONS (AS APPLICABLE).


SMOKETIGHT - WALL CONT. TO UNDERSIDE OF BEAM OR STRUCT. DECK
CLG. HT. (SEE A102)
5/8"
6" WD STUD
5/8"
2B 6" WD INT. WD STUD W/GYP ON BOTH SIDES
5/8"
4" WD STUD
5/8"
2A WD INT. WD STUD W/ GYP ON BOTH SIDES
F.F. (SEE FIN. SCHED. FOR FLOOR FIN. & WALL BASE)

INT. WALL TYPES 2A 2B

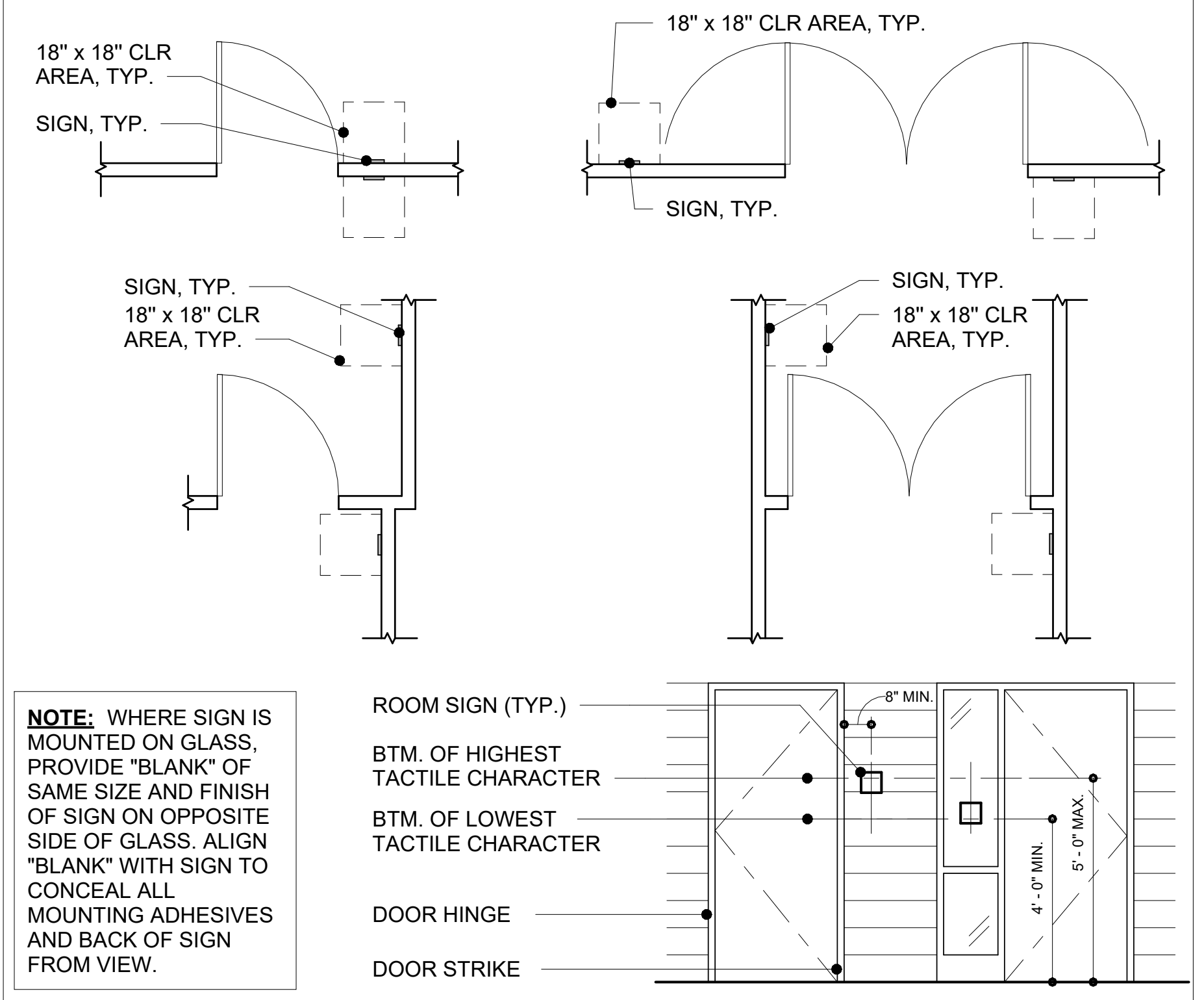

METAL STUD TOP RUNNER
UNDERSIDE OF BEAM OR STRUCTURAL DECK
ACCOUSTIC SEALANT TYPICAL OR FIRE SEALANT AT FIRE RATED WALL TYPES, TYP.
ATTACH GWB TO STUDS AS REQUIRED OR AS DIRECTED BY ASSEMBLY INSTRUCTIONS WITH EXCEPTION: MAKE NO ATTACHMENTS CLOSER THEN 1 1/2" FROM TOP OF WALL ENSURING NO FASTERNERS ATTACH INTO THE TOP RUNNER

MTL STUDS TO BE CUT A MINIMUM OF 3/8" (MAX. 1/2") SHORTER THAN UNDERSIDE OF DECK - GWB TO BE CUT A MINIMUM OF 1/2" (MAX. 5/8") SHORTER THAN UNDERSIDE OF DECK

NOTE: DO NOT ATTACH STEEL STUDS TO TOP RUNNERS

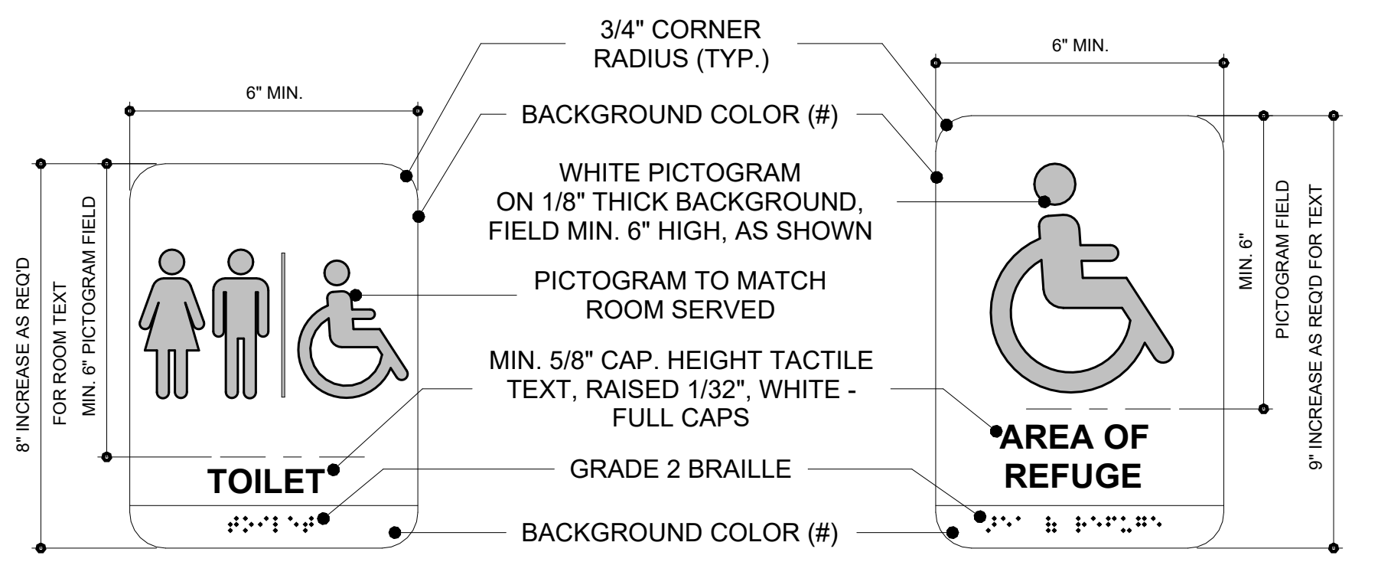
1A. STUD WALL HEAD DETAIL

STUD WALL HEAD DETAIL



NOTE: WHERE SIGN IS MOUNTED ON GLASS, PROVIDE "BLANK" OF SAME SIZE AND FINISH OF SIGN ON OPPOSITE SIDE OF GLASS. ALIGN "BLANK" WITH SIGN TO CONCEAL ALL MOUNTING ADHESIVES AND BACK OF SIGN FROM VIEW.

SIGN MOUNTING DETAILS


3/4" CORNER RADIUS (TYP.)
6" MIN.
6" MIN.
BACKGROUND COLOR (#)
WHITE PICTOGRAM ON 1/8" THICK BACKGROUND, FIELD MIN. 6" HIGH, AS SHOWN
PICTOGRAM TO MATCH ROOM SERVED
MIN. 5/8" CAP. HEIGHT TACTILE TEXT, RAISED 1/32", WHITE - FULL CAPS
GRADE 2 BRAILLE
BACKGROUND COLOR (#)
8" INCREASE AS REQ'D FOR ROOM TEXT
MIN. 6" PICTOGRAM FIELD
TOILET
AREA OF REFUGE
MIN. 6"
PICTOGRAM FIELD
9" INCREASE AS REQ'D FOR TEXT

A. UNISEX TOILET ROOM SIGN (TYP.)

B. SPECIAL EXIT SIGN

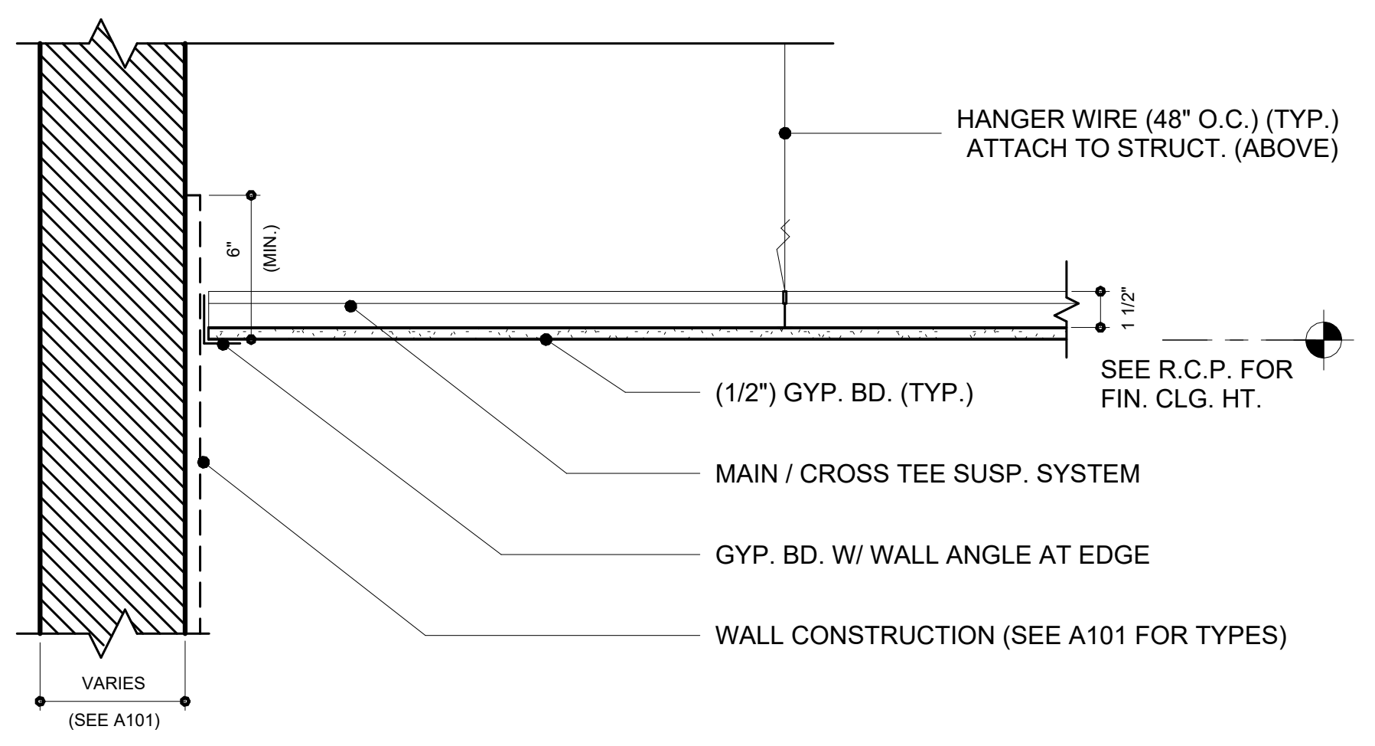
PROVIDE SIGNS FOR "AREA OF REFUGE" AND "EXTERIOR AREA FOR ASSISTED RESCUE".

*PROVIDE SIGN AT EACH DOOR LEADING INTO AN AREA OF REFUGE, EXIT STAIRWAY, EXTERIOR AREA FOR RESCUE ASSISTANCE, EXIT PASSAGEWAY, AND EXIT DISCHARGE.

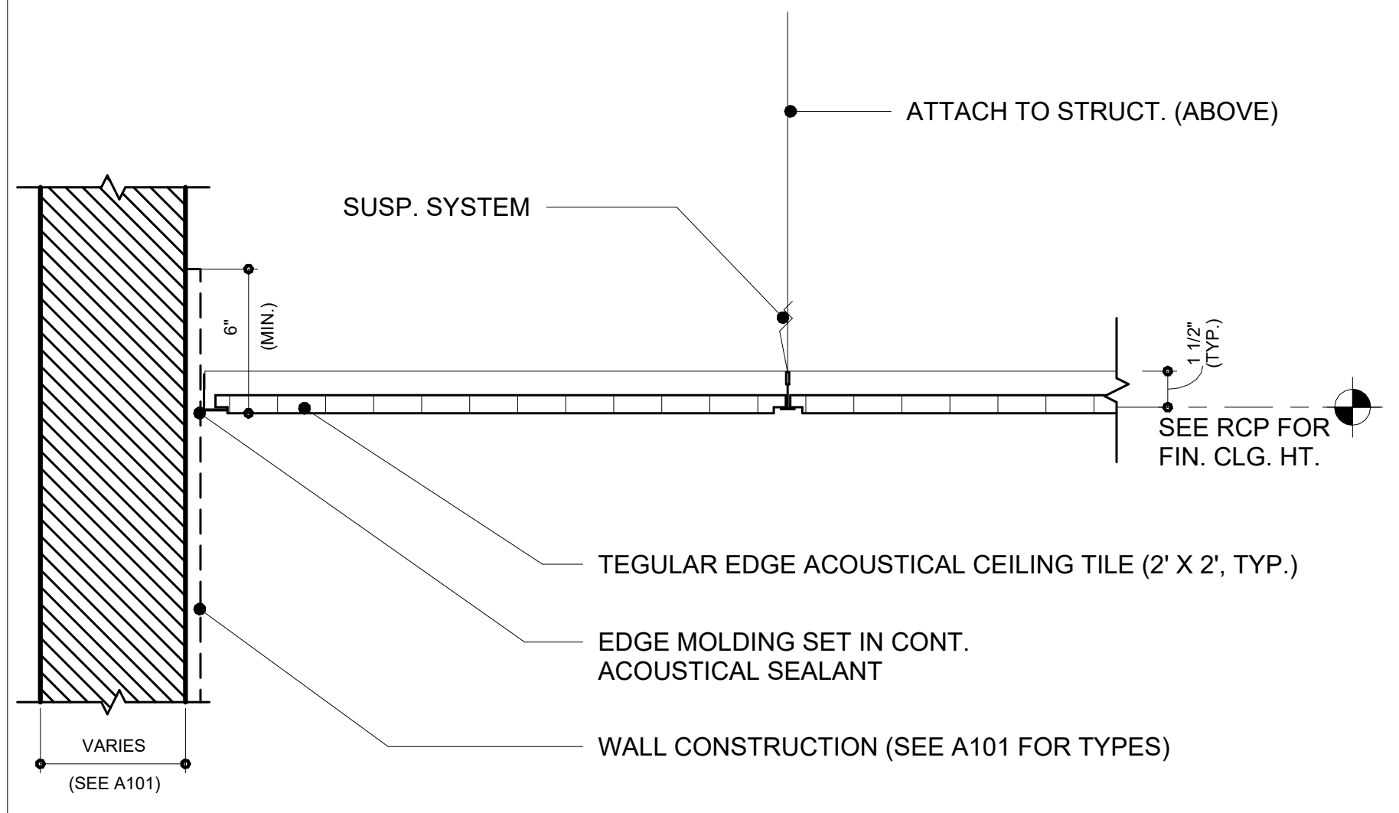
GENERAL SIGNAGE NOTES:

1. SIGNAGE SHALL COMPLY WITH 2010 ADA STANDARDS, ICC/ANSI A117.1-2017, IBC, AND NFPA 101
2. TEXT COLOR SHALL CONTRAST WITH BACKGROUND COLOR. BRAILLE COLOR SHALL MATCH BACKGROUND COLOR
3. REFER TO ELECTRICAL FOR ILLUMINATED AREA OF REFUGE AND EXTERIOR AREA FOR RESCUE ASSISTANCE SIGNS
4. PROVIDE INSTRUCTION SIGN AT AREAS OF REFUGE FOR USE OF THE AREA UNDER EMERGENCY CONDITIONS
5. WHERE LUMINOUS EGRESS PATH MARKINGS ARE REQ'D., SPECIAL EXIT SIGNS SHALL BE OF SAME LUMINOUS MATERIALS
6. TACTILE TEXT SHALL BE RAISED 1/32"
7. SIGN SHALL BE VISIBLE IF DOOR IS OPEN OR CLOSED

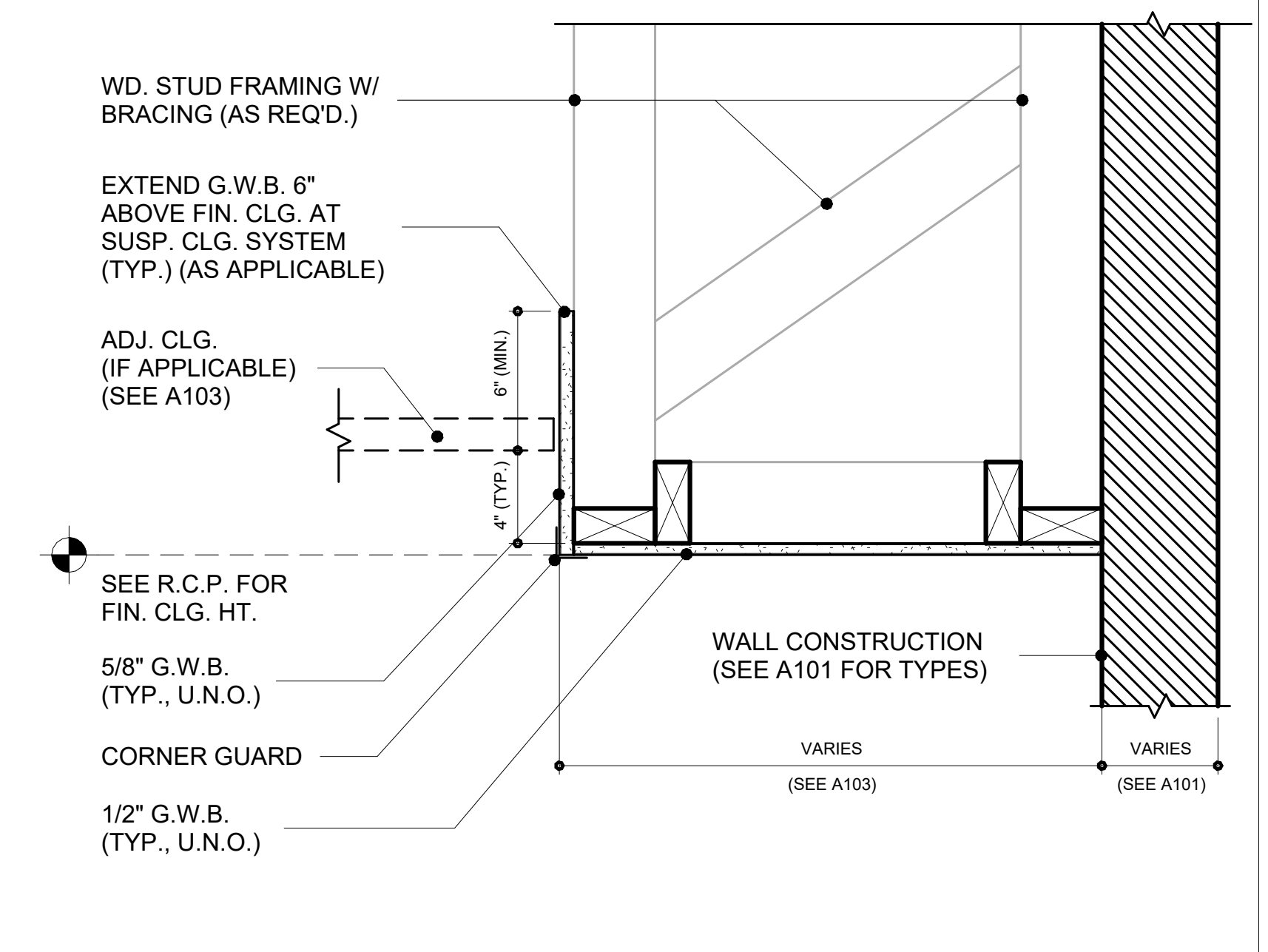
SIGNAGE MOUNTING DETAILS


HANGER WIRE (48" O.C.) (TYP.) ATTACH TO STRUCT. (ABOVE)
6" (MIN.)
1 1/2"
SEE R.C.P. FOR FIN. CLG. HT.
(1/2") GYP. BD. (TYP.)
MAIN / CROSS TEE SUSP. SYSTEM
GYP. BD. W/ WALL ANGLE AT EDGE
WALL CONSTRUCTION (SEE A101 FOR TYPES)
VARIES
(SEE A101)

CEILING TYPE 1 GYP BOARD SUSPENDED CEILING

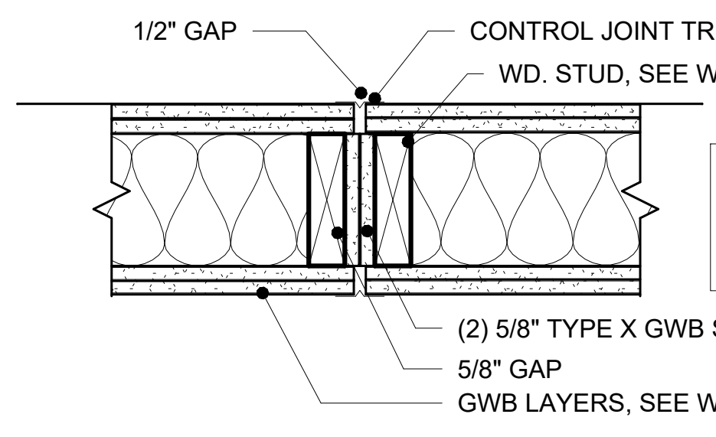

ATTACH TO STRUCT. (ABOVE)
SUSP. SYSTEM
6" (MIN.)
1 1/2" (TYP.)
SEE RCP FOR FIN. CLG. HT.
TEGULAR EDGE ACOUSTICAL CEILING TILE (2' X 2', TYP.)
EDGE MOLDING SET IN CONT. ACOUSTICAL SEALANT
WALL CONSTRUCTION (SEE A101 FOR TYPES)
VARIES
(SEE A101)

CEILING TYPE 2 ACOUSTIC CEILING TILE


WD. STUD FRAMING W/ BRACING (AS REQ'D.)
EXTEND G.W.B. 6" ABOVE FIN. CLG. AT SUSP. CLG. SYSTEM (TYP.) (AS APPLICABLE)
ADJ. CLG. (IF APPLICABLE) (SEE A103)
6" (MIN.)
4" (TYP.)
SEE R.C.P. FOR FIN. CLG. HT.
5/8" G.W.B. (TYP., U.N.O.)
CORNER GUARD
1/2" G.W.B. (TYP., U.N.O.)
WALL CONSTRUCTION (SEE A101 FOR TYPES)
VARIES
(SEE A103)
VARIES
(SEE A101)

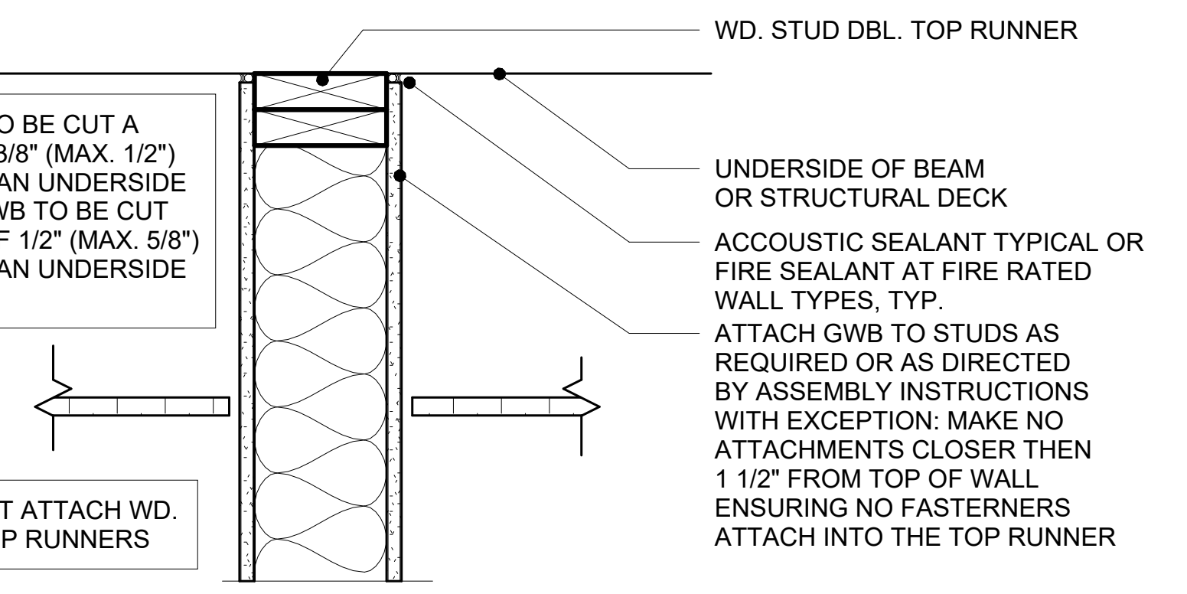
NOTE: TYP. FOR G.W.B. BULKHEADS (U.N.O.)

CEILING TYPE 3 GYPSUM BULKHEAD



NOTE: IN LIEU OF GWB STRIPS, FIRE RATED CONTROL JOINT WITH FACTORY-APPLIED TAPE ON BACK SIDE MAY BE PROVIDED

1B. CONTROL JOINT DETAIL AT RATED STUD PARTITION

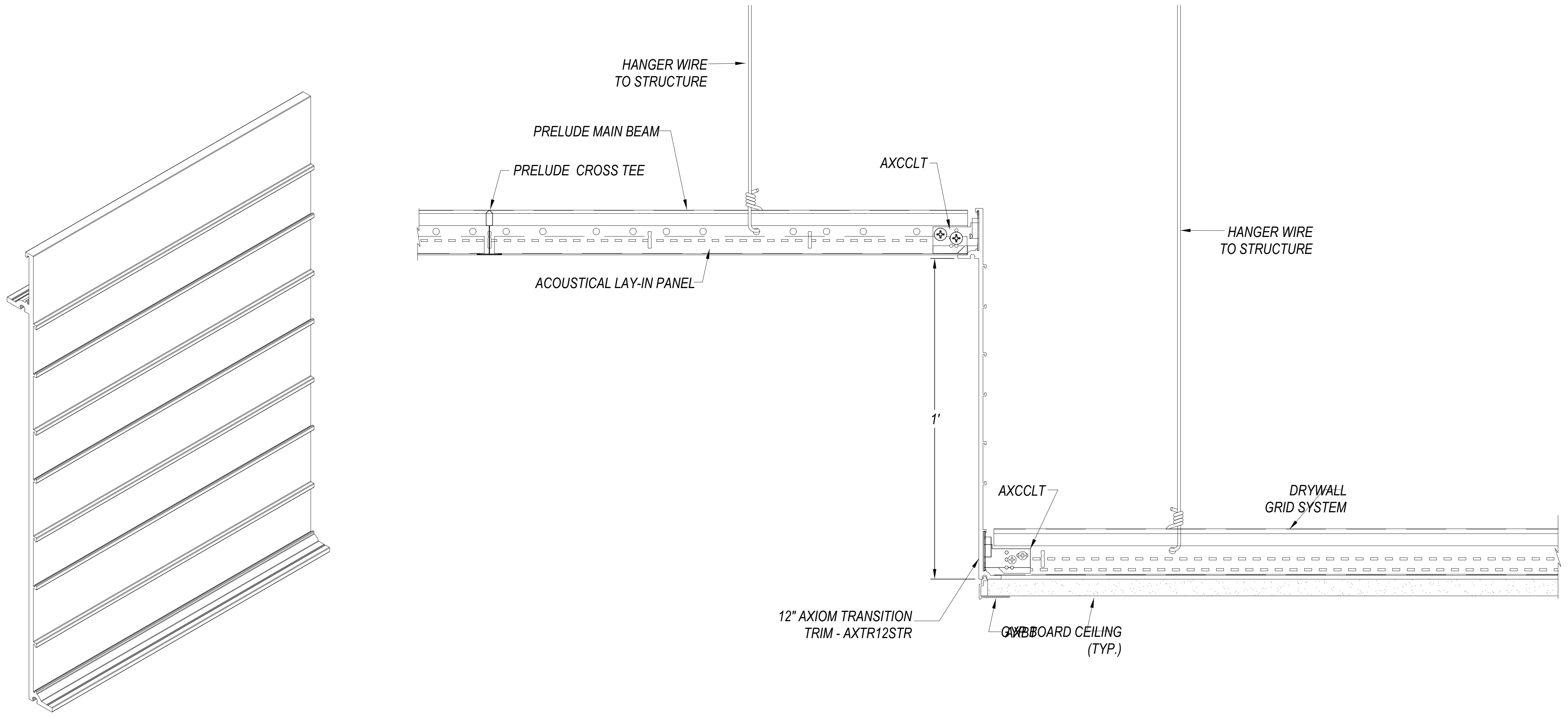

WD. STUD DBL. TOP RUNNER
UNDERSIDE OF BEAM OR STRUCTURAL DECK
ACCOUSTIC SEALANT TYPICAL OR FIRE SEALANT AT FIRE RATED WALL TYPES, TYP.
ATTACH GWB TO STUDS AS REQUIRED OR AS DIRECTED BY ASSEMBLY INSTRUCTIONS WITH EXCEPTION: MAKE NO ATTACHMENTS CLOSER THEN 1 1/2" FROM TOP OF WALL ENSURING NO FASTERNERS ATTACH INTO THE TOP RUNNER

WD. STUDS TO BE CUT A MINIMUM OF 3/8" (MAX. 1/2") SHORTER THAN UNDERSIDE OF DECK - GWB TO BE CUT A MINIMUM OF 1/2" (MAX. 5/8") SHORTER THAN UNDERSIDE OF DECK

NOTE: DO NOT ATTACH WD. STUDS TO TOP RUNNERS

1A. STUD WALL HEAD DETAIL

STUD WALL DETAIL (TYP.)



NOTE: FOR REFERENCE. REFER TO MANUFACTURER FOR INSTALLATION MANUALS AND ADDITIONAL GUIDANCE.

CEILING TRANSITION ACOUSTIC TO DRYWALL

GENERAL NOTES

1. SEE LIFE SAFETY PLAN (G101) AND FLOOR PLAN (A101) FOR TYP. LOCATION.
2. SEE CODE SHEET (G101) FOR REQ'D. FIRE RATINGS & SMOKETIGHT CONDITIONS OF ALL WALL ASSEMBLIES. MULTIPLE LAYERS OF GWB MAY BE REQUIRED AT RATED PARTITIONS. COORDINATE WITH U.L. DESIGN(S).
3. PROVIDE SOUND-ATTENUATION RATED BATT INSULATION IN RATED STUD-FRAMED PARTITIONS AND FIBERGLASS SOUND BATT INSULATION IN NON-RATED STUD PARTITIONS.
4. PROVIDE MOLD AND MOISTURE RESISTANT GWB AT ALL STUD-FRAMED PARTITIONS IN WET LOCATIONS, INCLUDING TOILET ROOMS, AND AT SINKS AND LAVATORIES. EXTEND TO END OF CASEWORK RUN, INCLUDING SIDEWALLS WHERE ADJACENT TO SINKS.
5. BRACE NON-STRUCTURAL MTL. STUD PARTITIONS WHERE NOT ATTACHED TO STRUCTURE ABOVE OR WHERE HEIGHT OF STRUCTURE EXCEEDS MANUFACTURER'S LIMITING HEIGHT FOR 5PSF @ 16" O.C., OR PROVIDE COLD-FORM FRAMING. SEE SPECIFICATIONS AND STRUCTURAL DRAWINGS.
6. SEE STRUCTURAL FOR BRACING OF PART-HEIGHT MASONRY PARTITIONS, INCLUDING MASONRY PARTITIONS WITH METAL STUD PARTITIONS CONTINUING ABOVE.
7. SEE STRUCTURAL AND SPECIFICATIONS FOR MASONRY TIES IN MULTIPLE-WYTHE MASONRY WALLS AND PARTITIONS. CORRUGATED AND MESH TIES ARE NOT ACCEPTABLE.
8. PROVIDE BULLNOSE MASONRY UNITS AT EXPOSED / OUTSIDE CORNERS AND PER SPECIFICATIONS.
9. PROVIDE SPECIAL-SHAPED MASONRY UNITS PER DETAILS AND SPECIFICATIONS.
10. FILL ALL CORES IN MASONRY UNITS AT THE FOLLOWING LOCATIONS: MECHANICAL ROOMS / EQUIPMENT PLATFORMS AND AS INDICATED (SEE SPECIFICATIONS).
11. PROVIDE ACOUSTICAL SEALANT AT PARTITIONS IN THE FOLLOWING LOCATIONS: MECHANICAL ROOMS AND EQUIPMENT PLATFORMS (SEE SPECIFICATIONS).
12. PROVIDE CONTROL JOINTS IN MASONRY WALLS AS INDICATED ON PLANS, ELEVATIONS, DETAILS, AND AS SPECIFIED. WHERE JOINTS ARE NOT SHOWN, PROVIDE ACCORDING TO B.I.A AND N.C.M.A. TEK NOTES. SUBMIT SHOP DRAWING FOR ARCHITECT'S APPROVAL.

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PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

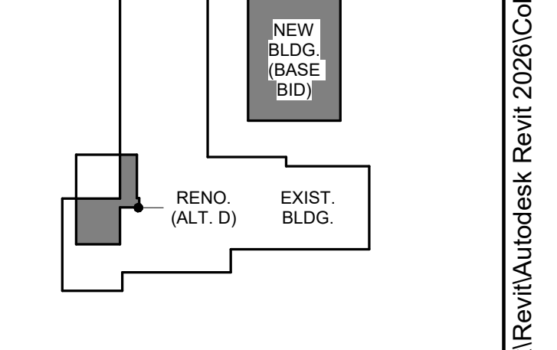
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

CONSTRUCTION
TYPES (INTERIOR)

KEY MAP

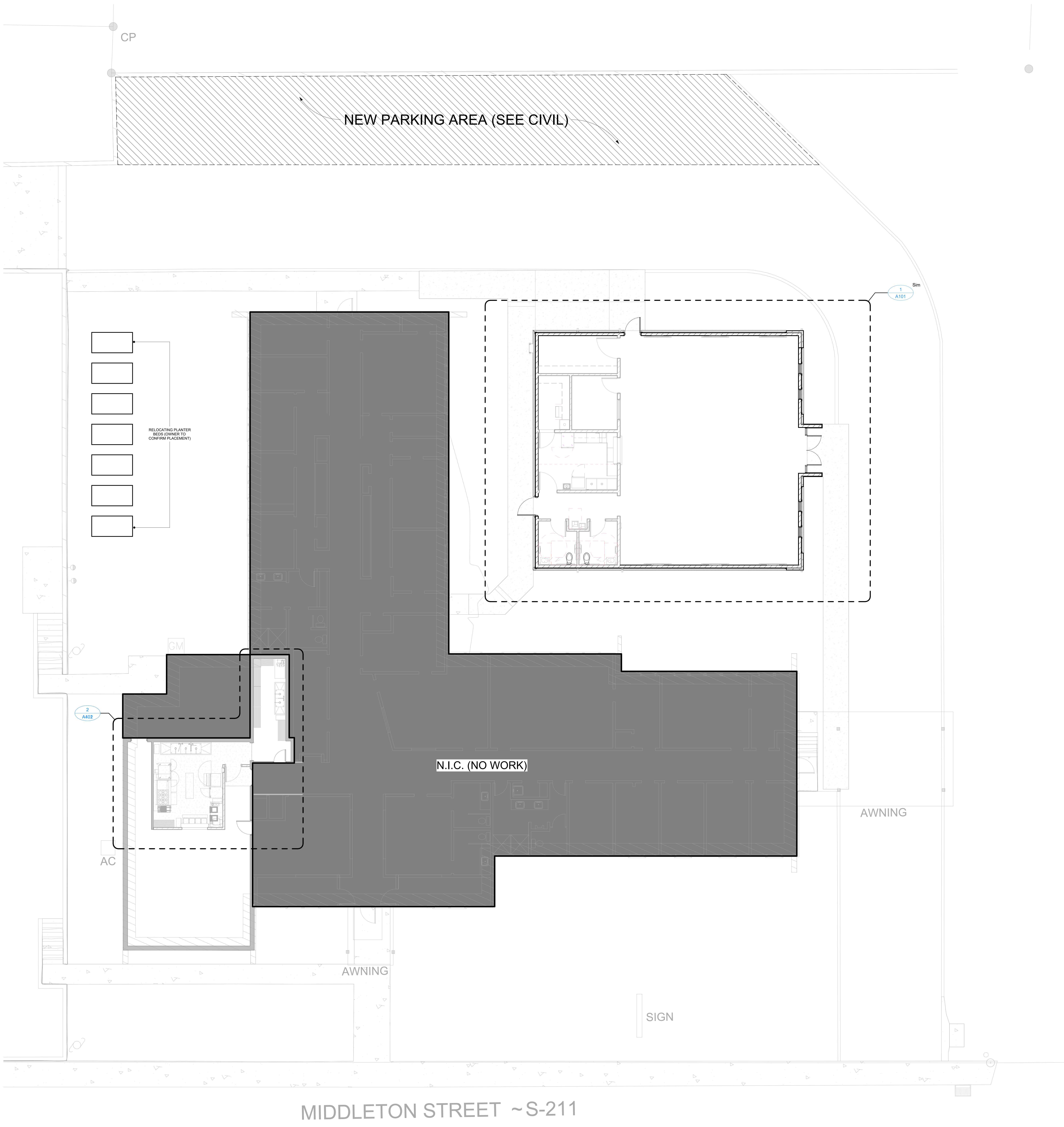


ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH PROJ MGR: CMC

A002


CP
NEW PARKING AREA (SEE CIVIL)
RELOCATING PLANTER BEDS (OWNER TO CONFIRM PLACEMENT)
1
A101
Sim
2
A403
CM
AC
N.I.C. (NO WORK)
AWNING
AWNING
SIGN
MIDDLETON STREET ~S-211

1 SITE PLAN

SCALE: 1/8" = 1'-0"

PLAN NORTH

GENERAL NOTES

- GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (STANDARD AIA DOCUMENT A201, 2007 EDITION) APPLIES TO ALL WORK UNDER THIS CONSTRUCTION CONTRACT.
- THE CONTRACTOR SHALL REVIEW AND COORDINATE THE SCHEDULING OF ALL CONSTRUCTION WITH THE BUILDING OWNER, SUBMIT DETAILED CONSTRUCTION SCHEDULE PRIOR TO DOING WORK INCLUDING PHASED CONSTRUCTION AND AFTER HOURS WORK.
- THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT BUILDING OCCUPANTS, MATERIALS AND EXISTING FINISHES THROUGHOUT ALL PHASES OF CONSTRUCTION. NOISE, SECURITY AND DUST BARRIERS BETWEEN CONSTRUCTION AREA AND AREAS WHICH ARE PUBLIC OR OTHERWISE OCCUPIED SHALL BE MAINTAINED BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND ALARMS TO CONFORM TO LOCAL BUILDING CODE REQUIREMENTS.
- THE CONTRACTOR SHALL MAINTAIN THE RATING OF ALL REQUIRED RATED WALLS AT ALL INTERSECTIONS, CONNECTIONS, AND PENETRATIONS.
- FIRE-RATED PARTITIONS INDICATED ON THE FLOOR PLANS ARE COMPONENTS OF CONTINUOUS-RATED ASSEMBLIES CONSISTING OF BUT NOT LIMITED TO; WALLS, FLOOR, DOORS, INTERIOR BORROWED LIGHTS, MECHANICAL PENETRATIONS, AND CEILINGS. REFER TO PLANS AND SPECIFICATIONS FOR METHODS OF ACHIEVING THE NECESSARY RATINGS. WHERE THE SPECIFIC METHOD OF ACHIEVING THE RATING IS NOT INDICATED, OBTAIN CLARIFICATION FROM ARCHITECT PRIOR TO CONSTRUCTION.
- FIRE-RATED PARTITIONS SHALL BE IDENTIFIED AS SUCH IN LARGE RED STENCIL ABOVE FINISHED CEILING.
- REVIEW WALL EXIT SIGNS AND FIRE EXTINGUISHER LOCATIONS WITH LOCAL CODE OFFICIALS PRIOR TO END OF PRIMARY CONSTRUCTION PHASE. COORDINATE ANY VARIATIONS FROM CONSTRUCTION DOCUMENTS WITH ARCHITECT. RELOCATE EXISTING FIRE EXTINGUISHERS PER FIRE MARSHAL'S DIRECTION.
- CHASE WALLS SHALL MATCH ADJACENT CONSTRUCTION; TYPICAL, UNLESS OTHERWISE NOTED.
- NEW GYPSUM BOARD CONSTRUCTION MEETING EXISTING CONSTRUCTION IN SAME PLANE SHALL BE FLUSH WITH NO VISIBLE JOINT.
- PROVIDE WATER RESISTANT GYPSUM BOARD OR APPROVED EQUAL AT ALL NEW PLUMBING WALLS.
- IN LIEU OF GYPSUM WALL BOARD, PROVIDE CEMENT BOARD AT ALL STUD WALLS SLATED TO RECEIVE A TILE FINISH.
- PROVIDE GYPSUM BOARD ASSEMBLIES IN ACCORDANCE WITH ASTM C840, LEVEL 4 FINISH, UNLESS OTHERWISE NOTED.
- PROVIDE CONCEALED WOOD BLOCKING (FIRE RETARDANT WHERE REQUIRED BY CODE) INSIDE PARTITIONS FOR SECURING WALL-HUNG CABINETS PROVIDED BY FURNITURE VENDOR, SHELVING, TRIM, MILLWORK AND OTHER ELEMENTS ATTACHED TO PARTITIONS AS REQUIRED TO ENSURE FLUSH, STRAIGHT, WELL-SECURED CONDITIONS. PROVIDE CORROSIVE RESISTANT FASTENERS FOR FIRE-RETARDANT TREATED WOOD.
- THE CONTRACTOR SHALL COORDINATE ALL KEYING REQUIREMENTS, INCLUDING MASTER AND SUB-MASTER SETS, WITH THE OWNER.
- ALL CODE REQUIRED LABELS SUCH AS 'UL', FACTORY MUTUAL, OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, NAME OR NOMENCLATURE PLATES SHALL REMAIN READABLE AND NOT PAINTED.
- TRANSITIONS OF FLOOR MATERIALS TO BE LOCATED AT CENTERLINE OF DOORS IN CLOSED POSITION; TYPICAL, UNLESS OTHERWISE NOTED.
- PAINT BACK SIDES OF REMOVABLE ACCESS PANELS AND HINGED COVERS TO MATCH EXPOSED SURFACE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND FOLLOWING THE BUILDING OWNER'S CONSTRUCTION RULES AND REGULATIONS.
- WHERE THE DRAWINGS AND SPECIFICATIONS CONFLICT THE MOST STRINGENT, GREATEST QUANTITY AND OR BEST QUALITY SHALL BE USED.
- PATCH, REPAIR AND REFINISH ALL SURFACES EXPOSED BY DEMOLITION WORK OR CUTTING TO ALIGN WITH EXISTING SURFACES SCHEDULED TO REMAIN, OR NEW FINISHES SPECIFIED AS REQUIRED TO ACHIEVE A 'LIKE NEW' CONDITION, CONTIGUOUS TO EXISTING SURROUNDING SURFACES, WITH NO VISIBLE EVIDENCE OF PATCHING OR REPAIR. REMOVE AND REPLACE WORK JUDGED BY THE ARCHITECT TO BE CUT AND PATCHED IN A VISUALLY UNSATISFACTORY MANNER WITHOUT EXTRA CHARGE.
- ALL EXISTING FINISHES REMAINING IN PLACE (CARPET, VCT, CEILINGS, ETC.) SHALL BE CLEANED UTILIZING EFFECTIVE CLEANING METHODS WHICH WILL PRODUCE THE MOST DESIRABLE RESULTS POSSIBLE.
- WHERE DOORS IN METAL STUD PARTITIONS ARE NOT SPECIFICALLY LOCATED ON THE PLANS WITH DIMENSION STRINGS, PROVIDE A HINGE SIDE JAMB DIMENSION OF 6". WHERE DOORS APPEAR TO BE CENTERED WITHIN PARTITIONS, LOCATE THE DOOR IN THE CENTER OF THE PARTITION.
- CAULK ALL JOINT OR CRACKS WHICH OCCUR WHERE DISSIMILAR MATERIALS INTERSECT PERPENDICULAR TO EACH OTHER AND THE INTERSECTION IS EXPOSED TO VIEW UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- EXISTING FIRE RATED CONSTRUCTION NOTED ON LIFE SAFETY PLANS, CONTRACTOR TO CONFIRM INTEGRITY OF RATED ASSEMBLIES, REPAIR AS REQUIRED.
- G.C. AND / OR S.C. TO RE-INSTALL SALVAGED WALL-MOUNTED ACCESSORIES AFTER FINAL COAT OF PAINT HAS BEEN APPLIED. EXISTING CHALKBOARDS TO BE REPLACED WITH OWNER FURNISHED, CONTRACTOR INSTALLED WHITEBOARDS. COORDINATE FINAL LOCATIONS OF ACCESSORIES WITH OWNER.
- G.C. AND / OR S.C. TO FURNISH AND INSTALL NEW ROOM SIGNAGE THROUGHOUT.
- ALL SITE ELEMENTS (FLAT WORK, LANDSCAPING, CONCRETE STAIRS, ETC.) ARE SHOWN FOR REFERENCE ONLY. REFER TO CIVIL DRAWINGS FOR DESIGN AND CONSTRUCTION METHODS.

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PROJECT RECORD SEAL

ERNEST W.
OLDS
WILMINGTON, NC
10151

7/31/2026

BECKER MORGAN
GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

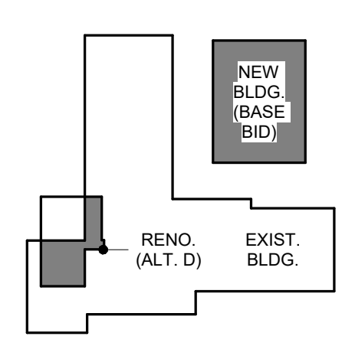
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

ARCHITECTURAL SITE PLAN

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH
PROJ MGR: CMC

A100

FLOOR PLAN NOTES

NOTE NO.	DESCRIPTION
1	FIRE EXTINGUISHER CABINET (F.E.C.)
2	DRINKING FOUNTAIN
3	WARMING OVEN / CABINET (RETHERMALIZATION)
4	EXIST. ICE MAKER (RELOCATED)
5	SCULLERY (DOUBLE-BASIN) SINK (W/ DRAINBOARD)
6	HAND WASHING SINK
8	ROOF ACCESS LADDER AS SPECIFIED
9	PRE-FIN. GUTTER & ASSOC. D.S.
10	KEY PAD LOCK
11	MOP SINK
12	REFRIGERATOR (OVER & UNDER)

FLOOR PLAN NOTES

1. ALL VIEWPORT REFERENCES TO BE BASED ON PLAN NORTH (U.N.O.)
2. DIMENSIONS ARE FROM EXT. FACE OF CONCRETE, MASONRY, OR MTL. STUD / WALL FRAMING (INT. WALLS) (U.N.O.)
3. ALL INT. (NON) LOAD-BEARING MTL. STUD SPACING @ 16" O.C. (U.N.O.)
4. ALL INT. WALLS NOTED TO RECEIVE SOUND-ATTENUATION BATT INSUL. SHALL BE EXTENDED UP TO THE BOTTOM CHORD OF ROOF TRUSS (U.N.O.)
5. DOORS 1A, 1B, 5C, 5D & 8B TO BE LEVEL EXITS ACCESSIBLE TO GRADE AND / OR SLAB-ON-GRADE.
6. G.W.B. THROUGHOUT BUILDING TO BE 5/8" AND RATED AS PER FIRE CODE REQ'D.
7. PROVIDE THICKENED WALLS AS REQ'D. FOR ELEC. PANELS, FIRE EXTINGUISHERS, AND REC. MECH. EQUIPMENT.
8. G.C. SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, HANDRAILS, CABINETS, ETC.
9. PROVIDE CONT. S-STL. CORNER GUARDS AT ALL WALL CORNER INSTANCES. PROVIDE CONT. S-STL. HINGES AT ALL STALL PARTITION INSTANCES.
10. PROVIDE SEMI-REC. FIRE EXTINGUISHER CABINETS (F.E.C.) (SEE A101).
11. PROVIDE ATTIC ACCESS PANELS (AS REQ'D). SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MFR. INSTRUCTIONS (SEE STRUCT).
12. G.C. TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION.
13. PROVIDE CONC. SLABS AT EXT. DOORS (SEE STRUCT).

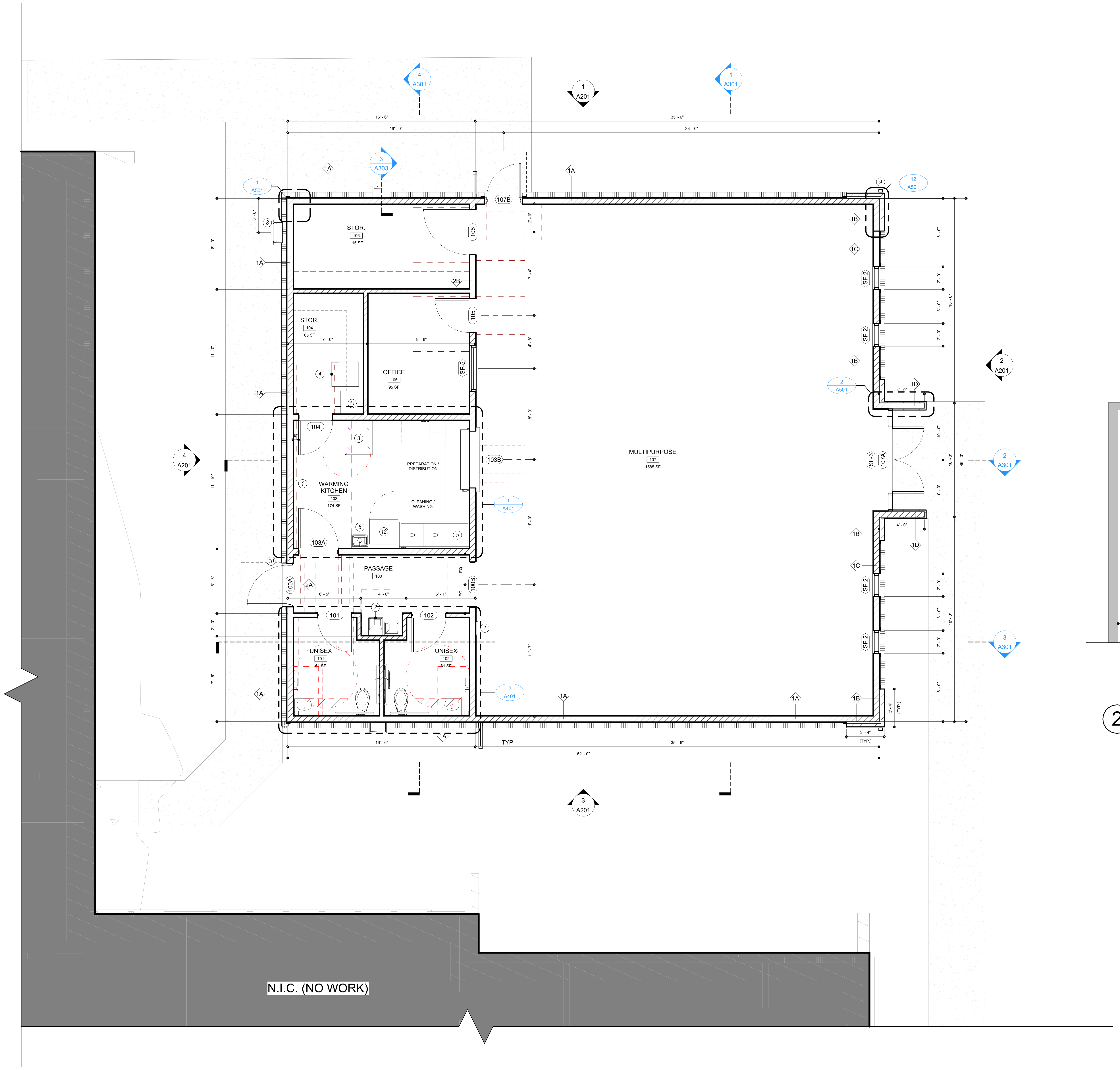
GENERAL PLAN NOTES

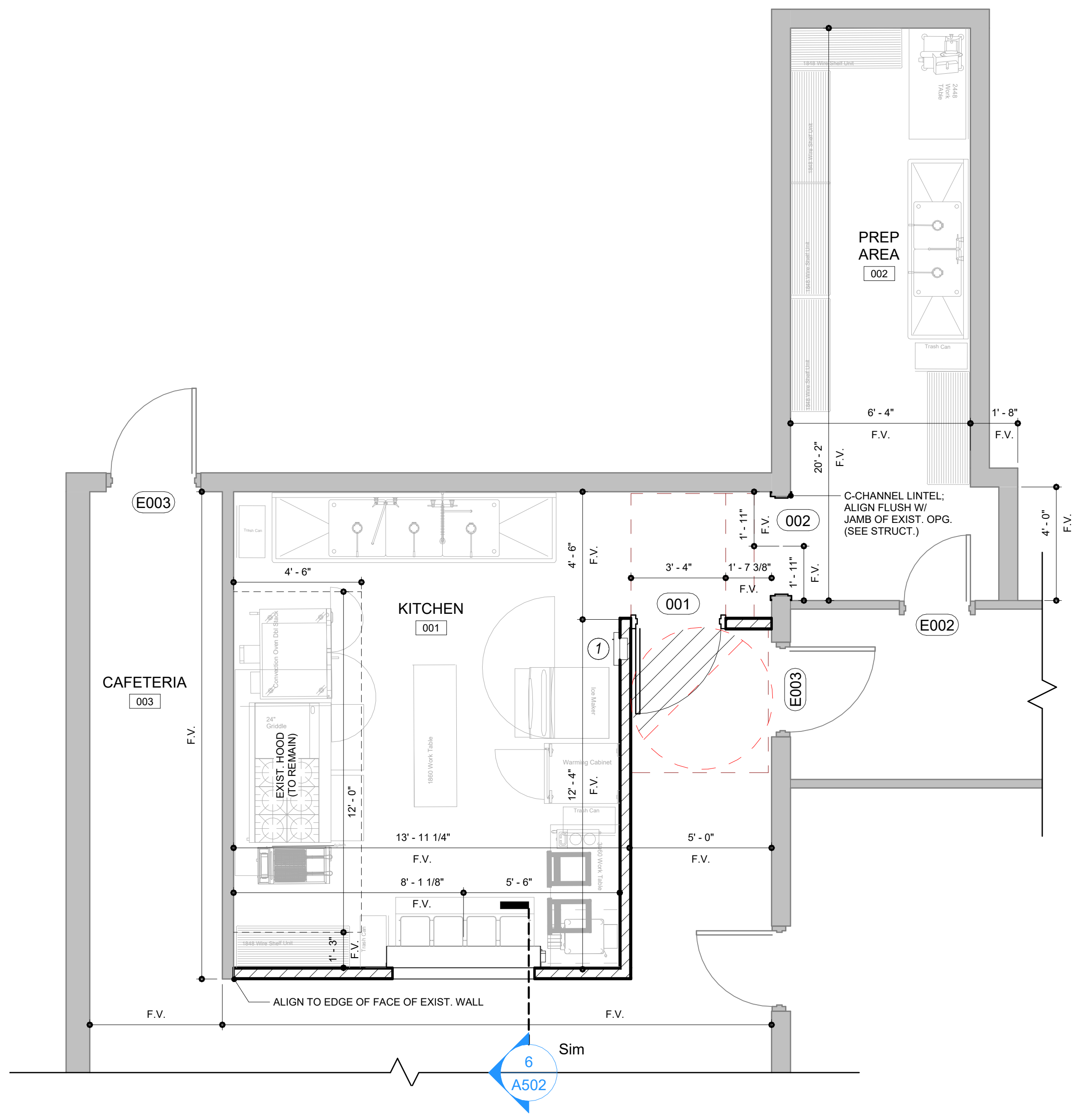
- DIMENSIONS ARE TO EXTERIOR FACE OF CONCRETE, MASONRY, AND WOOD STUD FRAMING, U.N.O.
- INTERIOR MTL. STUD FRAMING @ 16" O.C. SPACING, U.N.O.
- ALL INTERIOR WALLS NOTED TO RECEIVE BATT INSUL. SHALL EXTEND UP TO BOTTOM CHORD OF ROOF TRUSS, U.N.O.
- VERIFY DIMENSIONS & LOCATION OF **ALL** WINDOWS & DOORS PRIOR TO INSTALLING IN ROUGH OPENINGS.
- EXT. EGRESS DOORS AT ALL INSTANCES TO BE LEVEL AND ACCESSIBLE TO GRADE AND / OR F.F.E.; PROVIDE CONC. SLABS AS REQ'D. (SEE FOUNDATION PLAN)
- PROVIDE THICKENED WALLS AS REQ'D. FOR ELEC. PANELS, FIRE EXTINGUISHERS, AND RECESSED MECH. EQUIP.
- G.C. AND / OR S.C. TO VERIFY ACCURACY OF ALL FLOOR, FOUNDATION, AND ROOF FRAMING PLANS PRIOR TO START OF CONSTRUCTION.
- COORDINATE REQUIREMENTS OF WORK WITH ALL OTHER TRADES.

NOTE: MULTIPURPOSE (107) VIA CODE PERMITTED UP TO (106) PEOPLE PER PROGRAM OF OPERATIONS WITH USE OF UNCONCENTRATED TABLES AND CHAIRS (15 NET / PERSON).

SAMARITAN HOUSE (OWNER) CONFIRMED MAX CAPACITY CAPPED TO (~50) PEOPLE AS PER RELATED TO MAIN EXIST. BLDG.

SEE OWNER'S LETTER OF EVALUATION AS CONFIRMATION FOR INTENDED PROGRAM MAX CAPACITY.





② GROUND FLOOR PLAN (ALT. D)

SCALE: 1/4" = 1'-0"

PLAN NORTH

① GROUND FLOOR PLAN

SCALE: 1/4" = 1'-0"

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PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

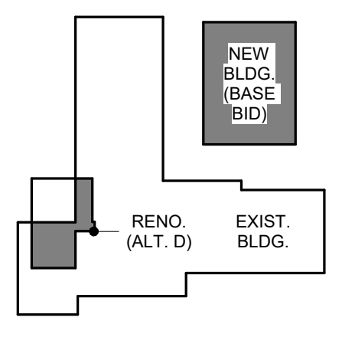
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

FIRST FLOOR PLAN

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH
PROJ MGR: CMC

A101

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REFLECTED CEILING PLAN LEGEND

NOTE NO.	DESCRIPTION
1	ARMSTRONG DRYWALL GRID
2	ARMSTRONG 2X2 ACT TILE
3	EXPOSED TO STRUCT.
4	RECESSED DOWNLIGHT
5	TROFFER LIGHT
6	MECH EQUIP (SEE MEP)

REFLECTED CLG. PLAN NOTES

- DIMENSIONS ARE TO EXTERIOR FACE OF CONCRETE, MASONRY, AND WOOD STUD FRAMING, U.N.O.
- ALL HEIGHTS INDICATED IN PLAN ARE MEASURED FROM A.F.F. (U.N.O.)

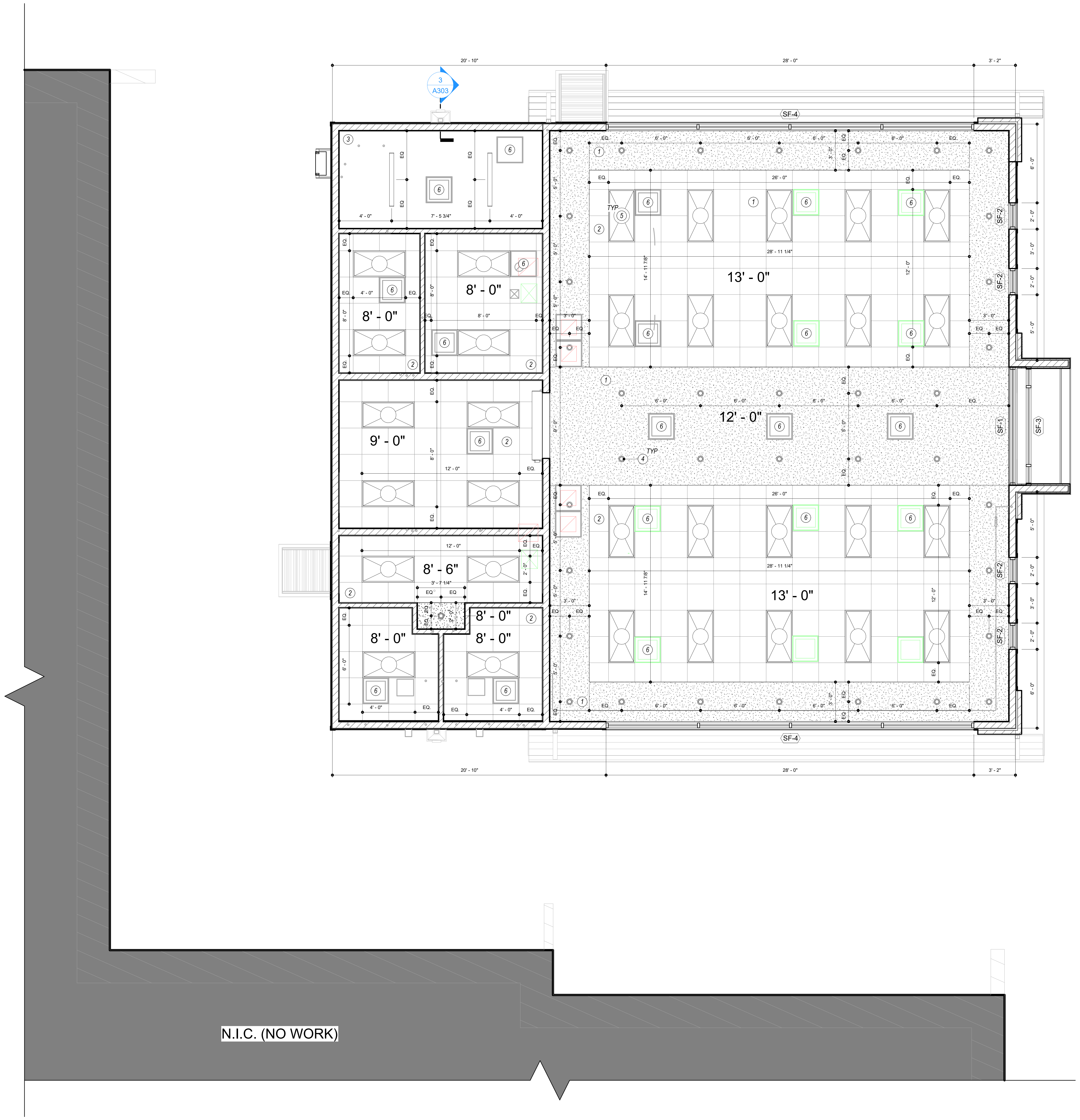
GENERAL PLAN NOTES

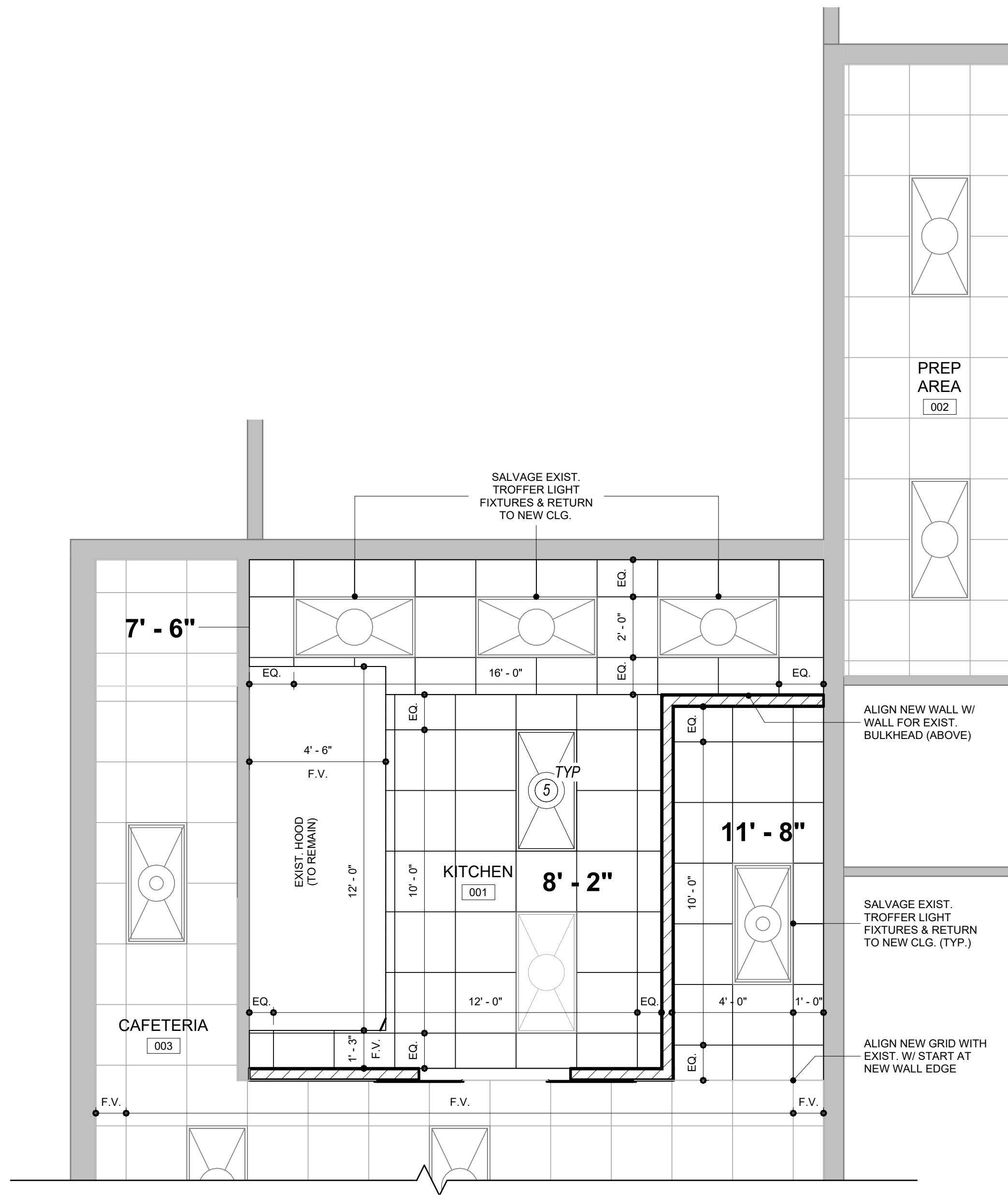
- DIMENSIONS ARE TO EXTERIOR FACE OF CONCRETE, MASONRY, AND WOOD STUD FRAMING, U.N.O.
- INTERIOR MTL. STUD FRAMING @ 16" O.C. SPACING, U.N.O.
- ALL INTERIOR WALLS NOTED TO RECEIVE BATT INSUL. SHALL EXTEND UP TO BOTTOM CHORD OF ROOF TRUSS, U.N.O.
- VERIFY DIMENSIONS & LOCATION OF **ALL** WINDOWS & DOORS PRIOR TO INSTALLING IN ROUGH OPENINGS.
- EXT. EGRESS DOORS AT ALL INSTANCES TO BE LEVEL AND ACCESSIBLE TO GRADE AND / OR F.F.E.; PROVIDE CONC. SLABS AS REQ'D. (SEE FOUNDATION PLAN)
- PROVIDE THICKENED WALLS AS REQ'D. FOR ELEC. PANELS, FIRE EXTINGUISHERS, AND RECESSED MECH. EQUIP.
- G.C. AND / OR S.C. TO VERIFY ACCURACY OF ALL FLOOR, FOUNDATION, AND ROOF FRAMING PLANS PRIOR TO START OF CONSTRUCTION.
- COORDINATE REQUIREMENTS OF WORK WITH ALL OTHER TRADES.

NOTE: MULTIPURPOSE (107) VIA CODE PERMITTED UP TO (106) PEOPLE PER PROGRAM OF OPERATIONS WITH USE OF UNCONCENTRATED TABLES AND CHAIRS (15 NET / PERSON).

SAMARITAN HOUSE (OWNER) CONFIRMED MAX CAPACITY CAPPED TO (~50) PEOPLE AS PER RELATED TO MAIN EXIST. BLDG.

SEE OWNER'S LETTER OF EVALUATION AS CONFIRMATION FOR INTENDED PROGRAM MAX CAPACITY.




PREP AREA
002
SALVAGE EXIST. TROFFER LIGHT FIXTURES & RETURN TO NEW CLG.
7' - 6"
EQ.
2' - 0"
16' - 0"
4' - 6"
F.V.
EXIST. HOOD (TO REMAIN)
12' - 0"
10' - 0"
TYP
5
KITCHEN
001
8' - 2"
11' - 8"
ALIGN NEW WALL W/ WALL FOR EXIST. BULKHEAD (ABOVE)
SALVAGE EXIST. TROFFER LIGHT FIXTURES & RETURN TO NEW CLG. (TYP.)
ALIGN NEW GRID WITH EXIST. W/ START AT NEW WALL EDGE
4' - 0"
1' - 0"
1' - 3"
CAFETERIA
003

② REFLECTED CEILING PLAN (ALT. D)

SCALE: 1/4" = 1'-0"

① REFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0"

PLAN NORTH

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PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

REFLECTED CEILING PLAN

KEY MAP

NEW BLDG. (BASE BID)
RENO. (ALT. D)
EXIST. BLDG.

ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH PROJ MGR: CMC

A102

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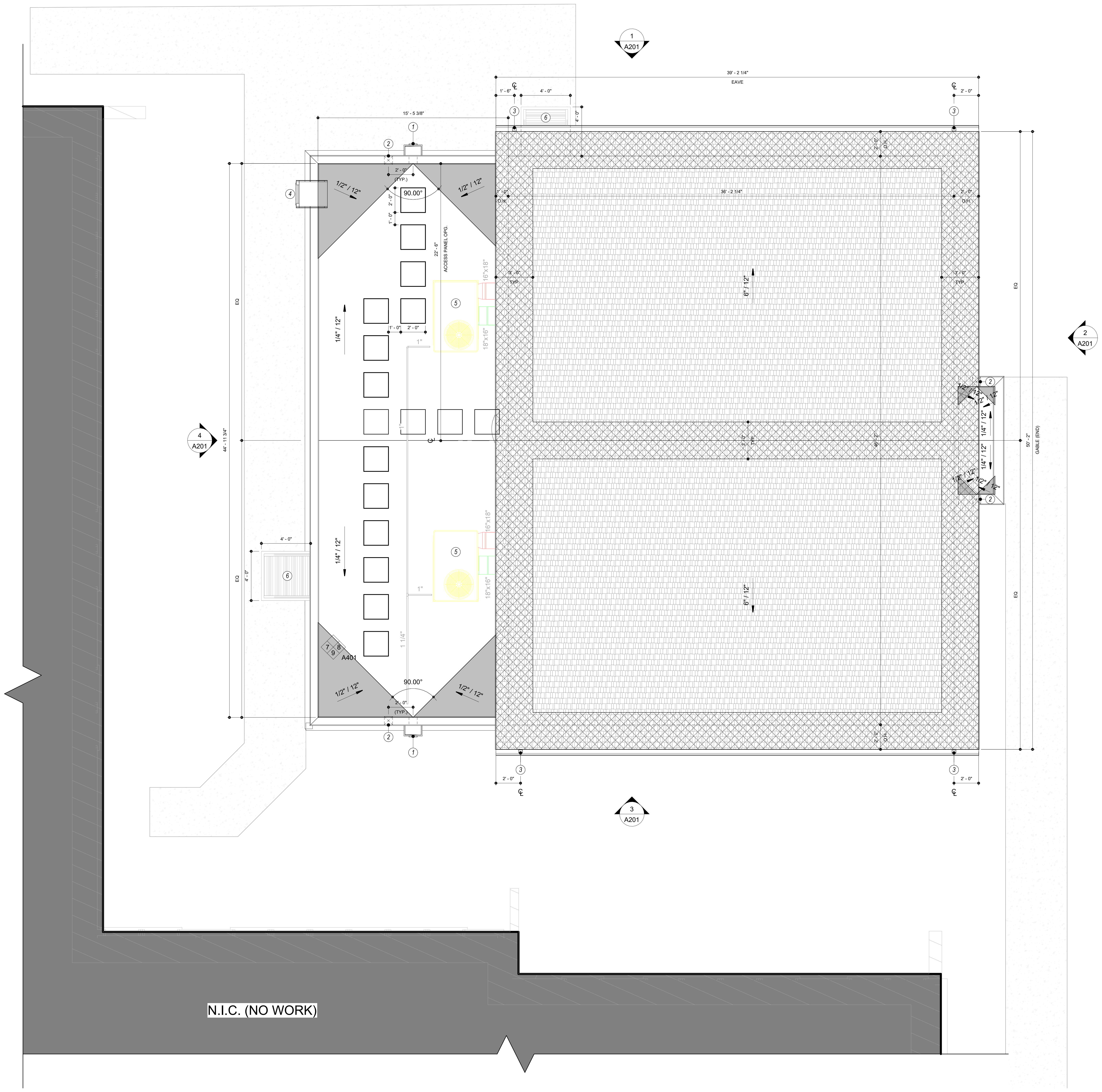
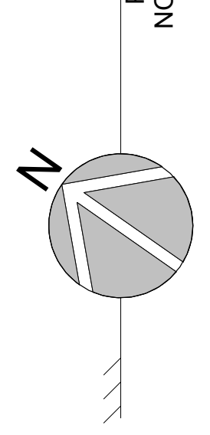


1 ROOF PLAN

SCALE: 1/4" = 1'-0"



ROOF PLAN NOTES

1. SLOPE ALL CRICKETS 1/2" / 12" MINIMUM, EXCEPT WHERE REQUIRED TO MAINTAIN MINIMUM 8" ROOFING/FLASHING TURN-UP HEIGHT.
2. TIE DOWNSPOUTS INTO BOOT AT GRADE AND CONNECT TO STORMWATER SYSTEM, UNLESS OTHERWISE NOTED. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
3. PROVIDE CRICKETS AT ALL ROOF TOP EQUIPMENT, FIRE VENTS, EXHAUST FANS, CURBS, ETC. AS REQUIRED TO MAINTAIN POSITIVE DRAINAGE.
4. PROVIDE WALKWAY PADS AROUND MECHANICAL EQUIPMENT, BASE AND TOP OF LADDERS, AND AT DOORS.
5. REFER TO MECHANICAL FOR ROOFTOP EQUIMPENT.
6. REFER ALSO TO A5## AND A5## FOR TYPICAL ROOF DETAILS.

☐	(EPDM) ROOFING SYSTEM OVER RIGID (TAPERED) INSULATION	■	(EPDM) ROOF CRICKET
▦	ARCHITECTURAL SHINGLES	▩	ICE / WATER SHIELD

ROOF PLAN LEGEND

NOTE NO.	DESCRIPTION
1	ROOF SCUPPER W/ CONDUCTOR HEAD & DOWNSPOUT
2	OVERFLOW SCUPPER (EMERGENCY AT INSTANCES)
3	PRE-FIN. MTL. GUTTER & ASSOC. D.S.
4	CAGED ACCESS ROOF LADDER (SEE SPECS)
5	PACKAGE UNIT (SEE MEP)
6	HANGER ROD MTL. CANOPY (BY MFR.)

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PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

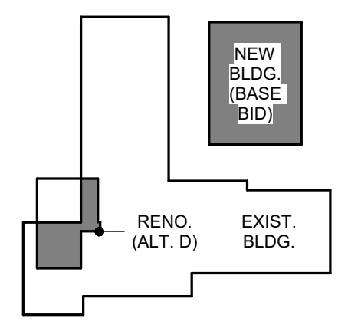
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

ROOF PLAN

KEY MAP



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A103

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EXT. ELEV. LEGEND

NOTE NO.	DESCRIPTION
1	BRICK VENEER
2	ROOF ACCESS LADDER
3	CONDUCTOR HEAD & DOWNSPOUT
4	FIBER CEMENT SIDING
5	FASCIA BOARD TRIM
6	ALUM. STOREFRONT FRAMING W/ INSUL. GLAZING
7	DRAINABLE EIFS SYSTEM

GENERAL PLAN NOTES

- DIMENSIONS ARE TO EXTERIOR FACE OF CONCRETE, MASONRY, AND WOOD STUD FRAMING, U.N.O.
- INTERIOR MTL. STUD FRAMING @ 16" O.C. SPACING, U.N.O.
- ALL INTERIOR WALLS NOTED TO RECEIVE BATT INSUL. SHALL EXTEND UP TO BOTTOM CHORD OF ROOF TRUSS, U.N.O.
- VERIFY DIMENSIONS & LOCATION OF **ALL** WINDOWS & DOORS PRIOR TO INSTALLING IN ROUGH OPENINGS.
- EXT. EGRESS DOORS AT ALL INSTANCES TO BE LEVEL AND ACCESSIBLE TO GRADE AND / OR F.F.E.; PROVIDE CONC. SLABS AS REQ'D. (SEE FOUNDATION PLAN)
- PROVIDE THICKENED WALLS AS REQ'D. FOR ELEC. PANELS, FIRE EXTINGUISHERS, AND RECESSED MECH. EQUIP.
- G.C. AND / OR S.C. TO VERIFY ACCURACY OF ALL FLOOR, FOUNDATION, AND ROOF FRAMING PLANS PRIOR TO START OF CONSTRUCTION.
- COORDINATE REQUIREMENTS OF WORK WITH ALL OTHER TRADES.

NOTE: MULTIPURPOSE (107) VIA CODE PERMITTED UP TO (106) PEOPLE PER PROGRAM OF OPERATIONS WITH USE OF UNCONCENTRATED TABLES AND CHAIRS (15 NET / PERSON).

SAMARITAN HOUSE (OWNER) CONFIRMED MAX CAPACITY CAPPED TO (~50) PEOPLE AS PER RELATED TO MAIN EXIST. BLDG.

SEE OWNER'S LETTER OF EVALUATION AS CONFIRMATION FOR INTENDED PROGRAM MAX CAPACITY.

EXTERIOR MATERIAL LEGEND

▤	FIBER-CEMENT SIDING
▦	BRICK MASONRY
░	DRAINABLE EIFS SYSTEM
▩	ARCHITECTURAL SHINGLES (SEE A103)

STOREFRONT / WINDOW NOTES

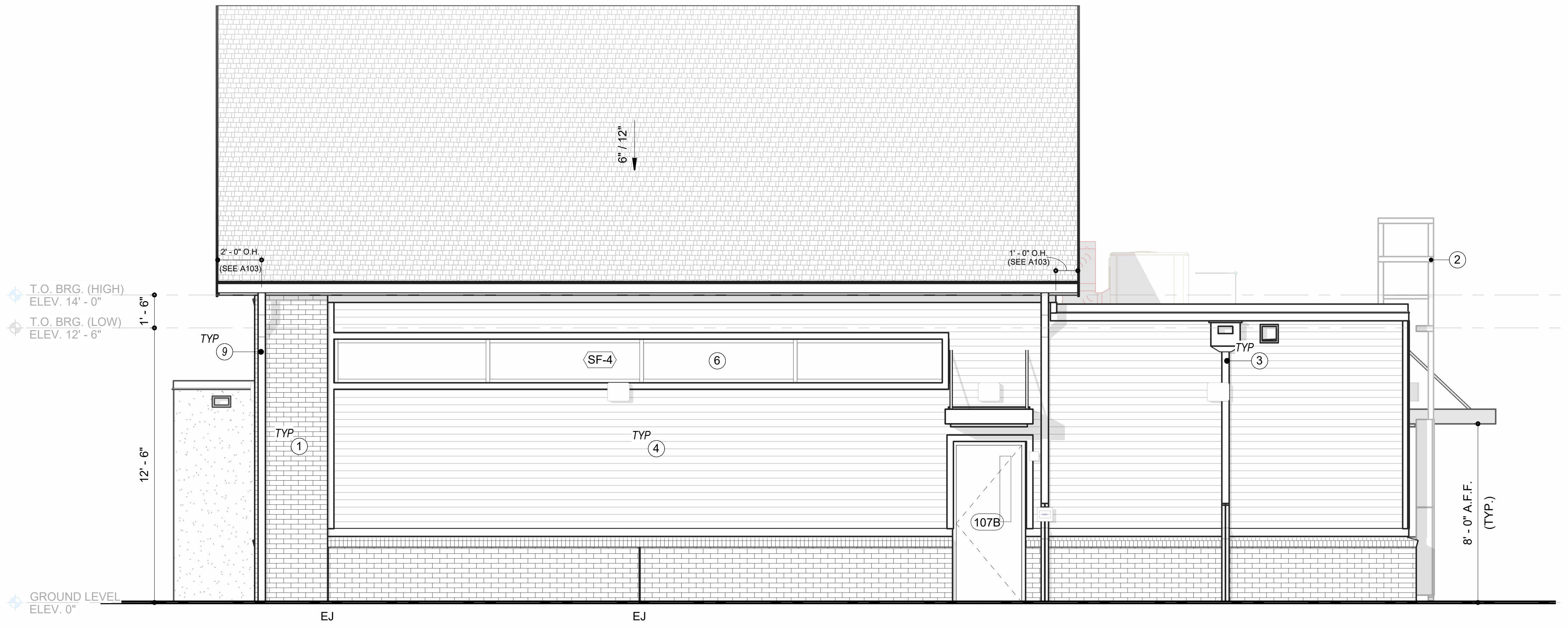
1. CONTRACTOR TO VERIFY SIZES OF EXISTING OPENINGS & COORDINATE WITH OWNER PRIOR TO ORDERING.
2. CONTRACTOR TO COORDINATE WINDOWS TO BE TEMPERED PER CODE.
3. ALL WINDOW & DOOR MECHANISMS ARE TO BE CORROSION-RESISTANT.
4. ALL WINDOWS SHALL RECEIVE PROPER HEAD, JAMB & SILL FLASHING PER WINDOW MFR. NAILING FLANGES **DO NOT** QUALIFY AS WINDOW FLASHING.
5. CONTRACTOR TO PROVIDE DOOR SILL & WINDOW SILL PANS AS REQ'D.
6. CONTRACTOR TO VERIFY ALL APPLICABLE CODES FOR GLAZING - PROVIDE ASSEMBLIES CAPABLE OF WITHSTANDING INWARD AND OUTWARD PRESSURE REQ'D. PER ALL APPLICABLE CODES.

EXTERIOR LIGHTING NOTES

1. ALL OUTDOOR LIGHTING TO BE CONTROLLED AND FOCUSED WITHIN THE PROPERTY LINES OF THE PREMISE TO MINIMIZE LIGHT TRESPASS AND GLARE INTO ANY PROPRIES IN PROXIMITY.
2. OUTDOOR LIGHTING NOT TO EXCEED 0.2 FOOTCANDLE, MEASURED AT THE LIGHT-GENERATING PROPERTY.
3. ALL EXTERIOR LIGHTING TO BE FULLY SHIELDED AND AIMED IN SUCH MANNER THAT ALL LIGHT IS PROJECTED BELOW THE HORIZONTAL EXCEPT AS PROVIDED FOR "SPECIAL APPLICATIONS". PLACEMENT AND FIXTURE TYPE T.B.S. BY OWNER.
4. UP-LIGHTING TO BE AVOIDED TO MINIMIZE LIGHT POLLUTION OF NIGHT SKY AND PREVENT LIGHT TRESPASS AND GLARE ONTO NEARBY PROPERTIES.

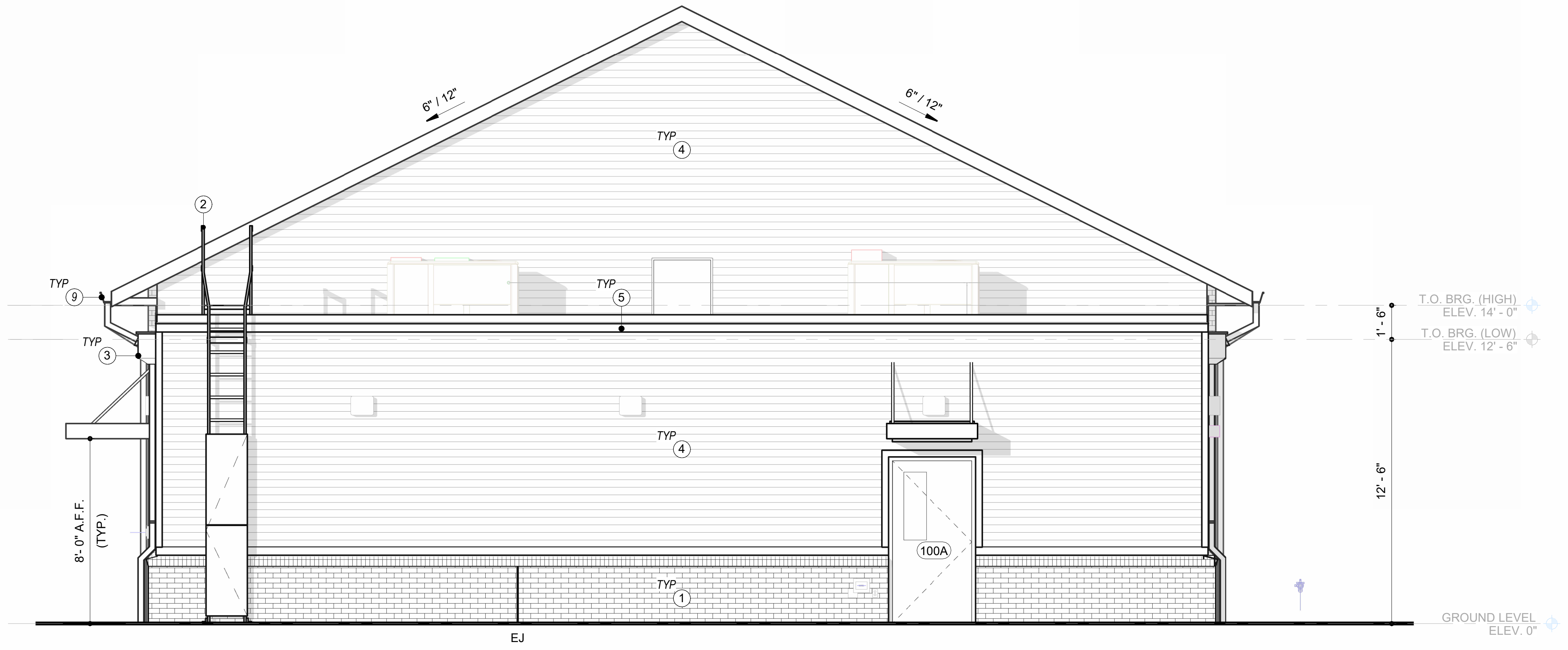
GENERAL ELEVATION NOTES

1. PROVIDE BRICK VENEER WATER TABLE WITH ROWLOCK BRICK SILL AS INDICATED.
2. SEE MATERIAL LEGEND; FINAL COLORS TO BE REVIEWED / SELECTED VIA OWNER.
3. CONTRACTOR TO PROVIDE ALL EXTERIOR MATERIAL SAMPLES TO ARCHITECT FOR INTERNAL REVIEW / APPROVAL PRIOR TO ORDERING.
4. VERIFY DIMENSIONS & LOCATION OF **ALL** WINDOWS & DOORS PRIOR TO INSTALLING IN ROUGH OPENINGS.
5. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL WINDOWS & DOORS TO OWNER FOR REVIEW & APPROVAL, PRIOR TO ORDERING & INSTALLATION.
6. **ALL** EXIST. BRICK MORTAR JOINTS ON BUILDING ENVELOPE TO BE INSPECTED FOR DAMAGE; REMOVE & REPLACE ANY LOOSE & CRUMBLING MORTAR WITH FRESH MORTAR AS REQ'D.



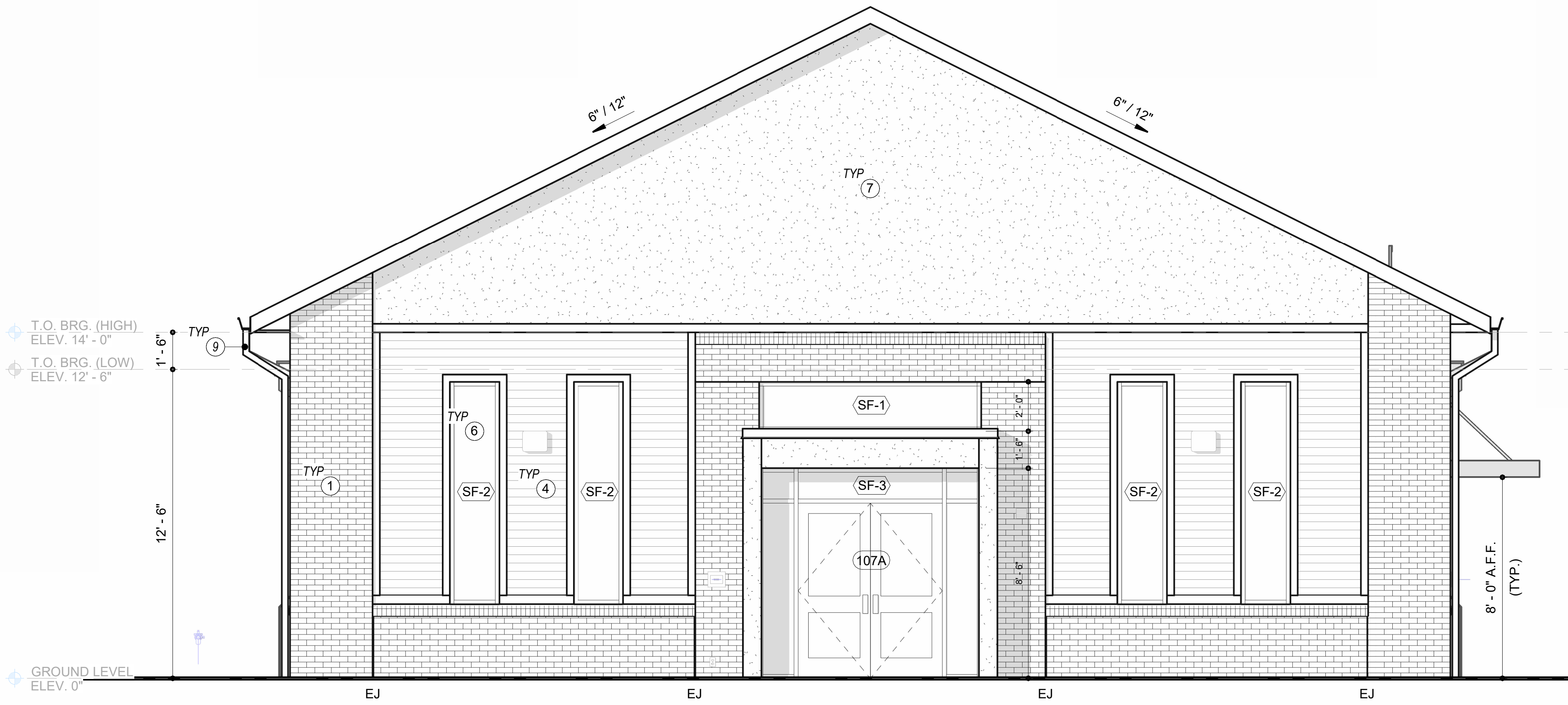
1 EXTERIOR ELEVATION

SCALE: 1/4" = 1'-0"



4 EXTERIOR ELEVATION

SCALE: 1/4" = 1'-0"



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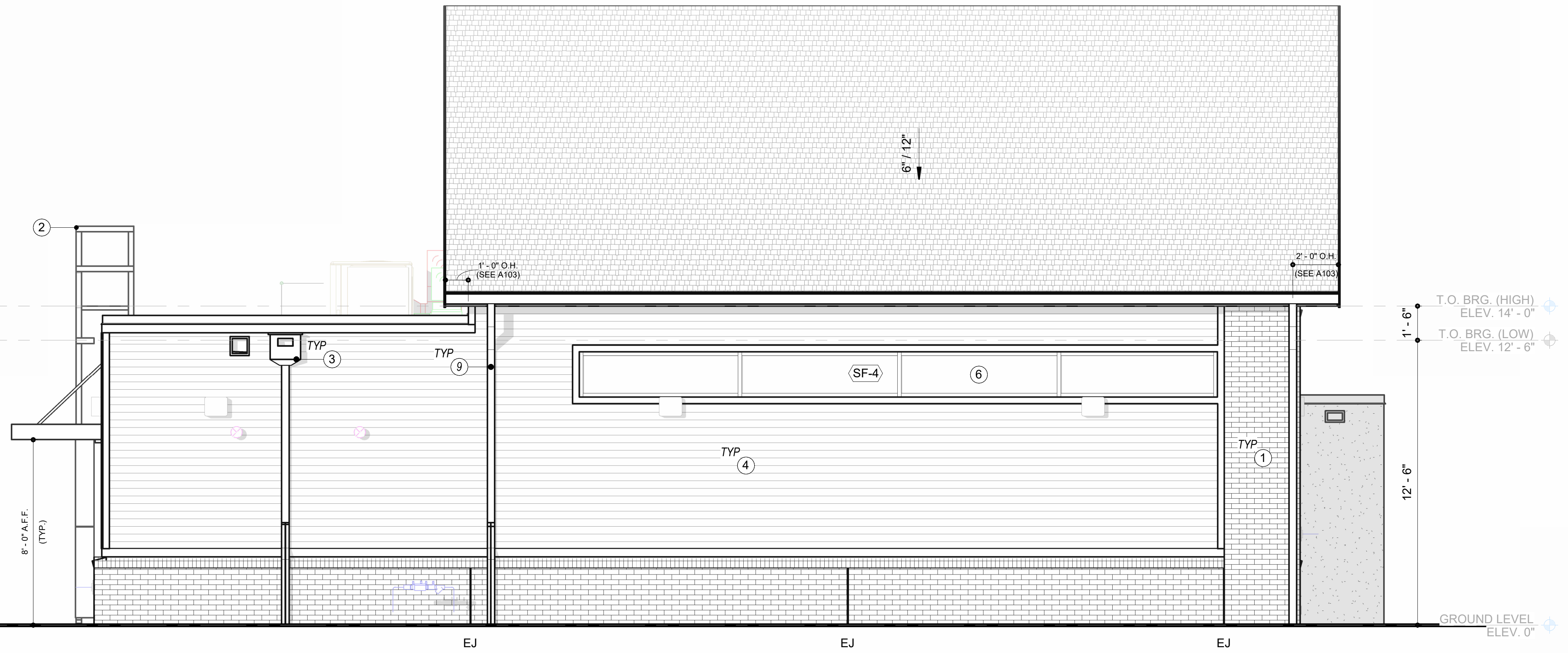
SCALE: 1/4" = 1'-0"



3 EXTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

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7/31/2026

BECKER MORGAN
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WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
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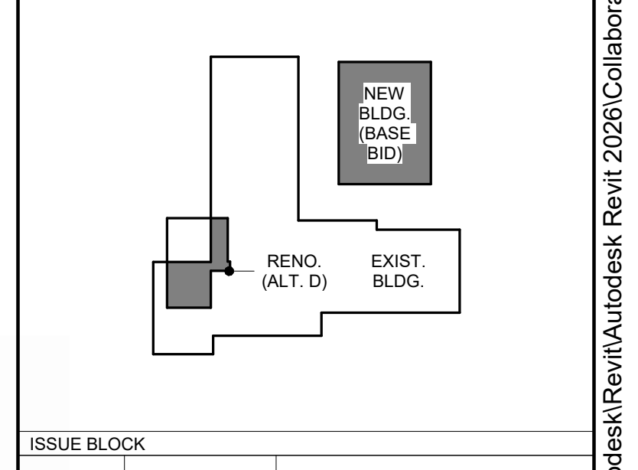
ISSUED: 07.31.2026

SHEET TITLE

EXTERIOR ELEVATIONS

KEY MAP



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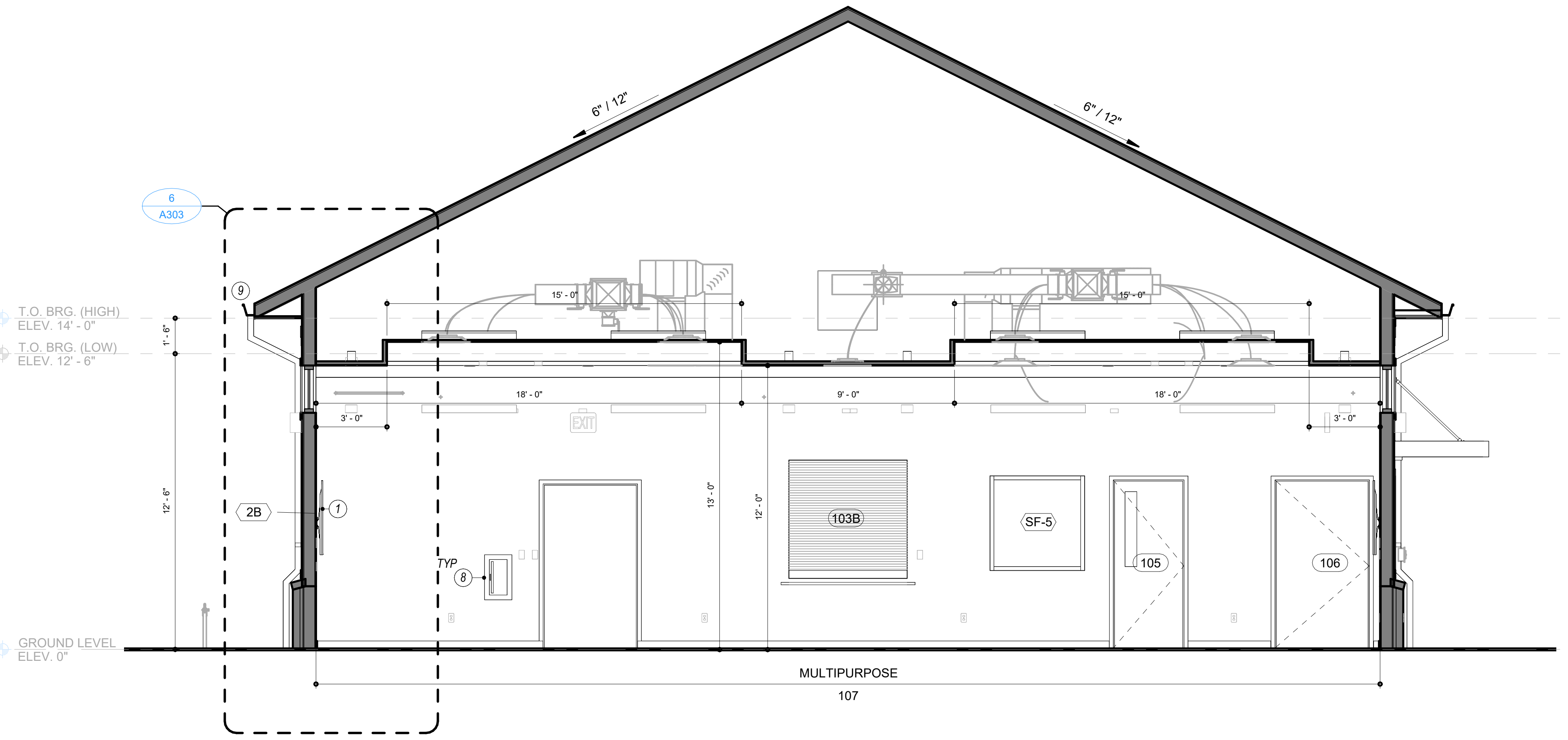
BUILDING SECTION LEGEND

NOTE NO.	DESCRIPTION
1	TELEVISION
2	ICE MAKER
3	HAND WASHING SINK
4	DOUBLE BASIN SINK
5	WARMING CABINET
6	CONDUCTOR HEAD & DOWNSPOUT
7	ACCESS ROOF LADDER AS SPECIFIED
8	FIRE EXTINGUISHER CABINET (F.E.C.)
9	GUTTER & ASSOC. DOWNSPOUT



① BUILDING SECTION

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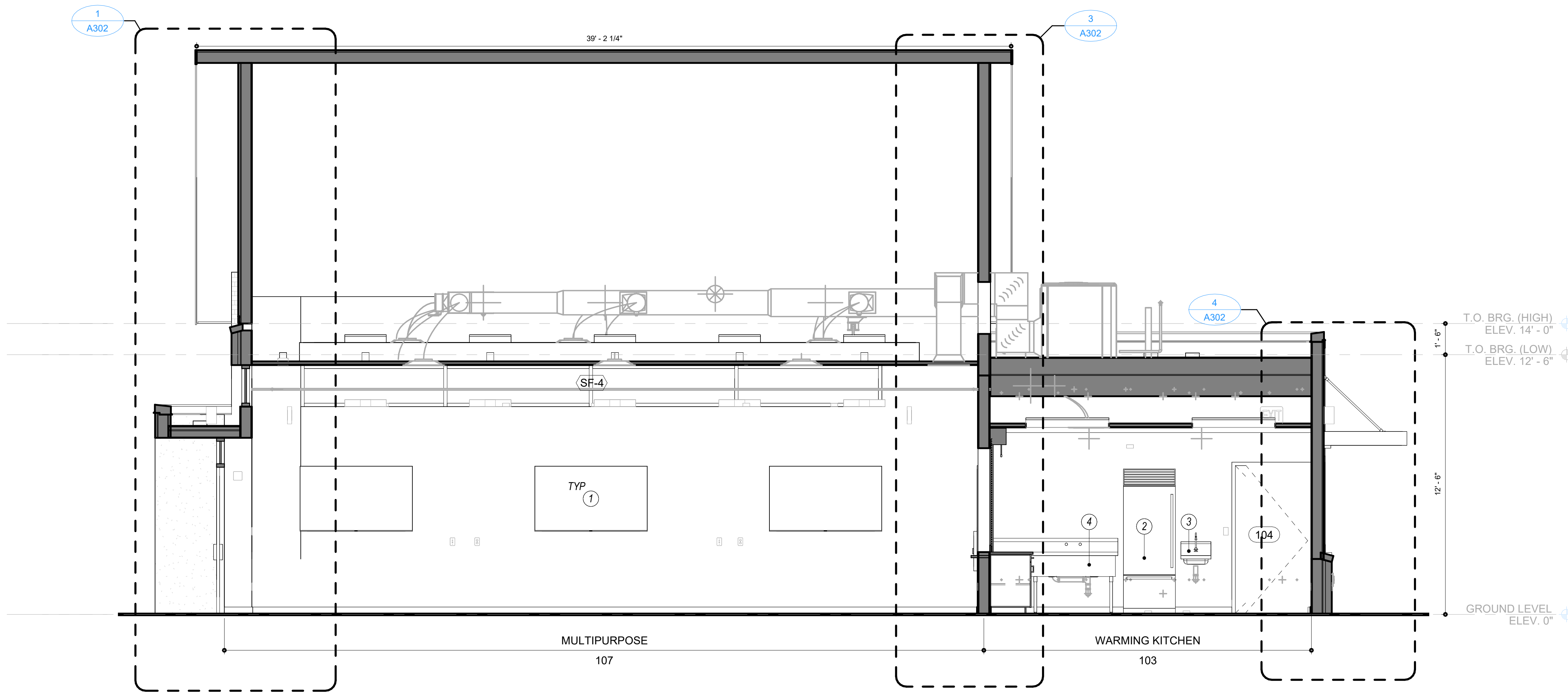

② BUILDING SECTION

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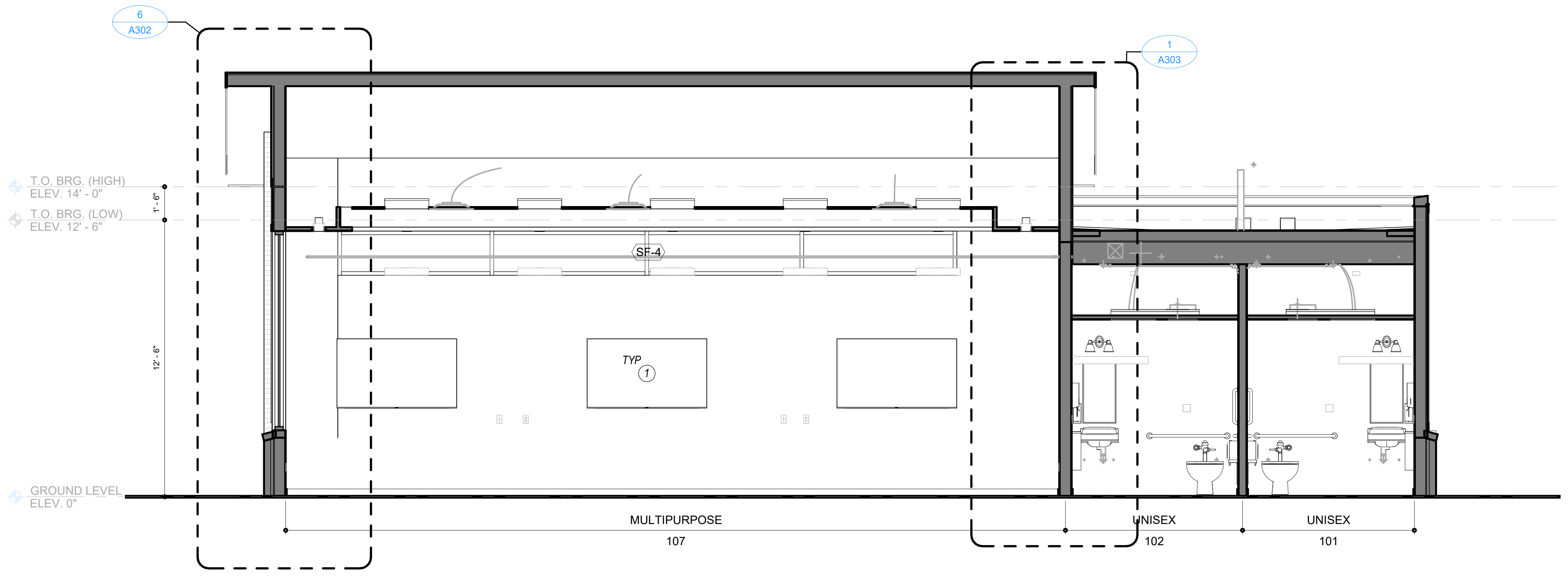

③ BUILDING SECTION

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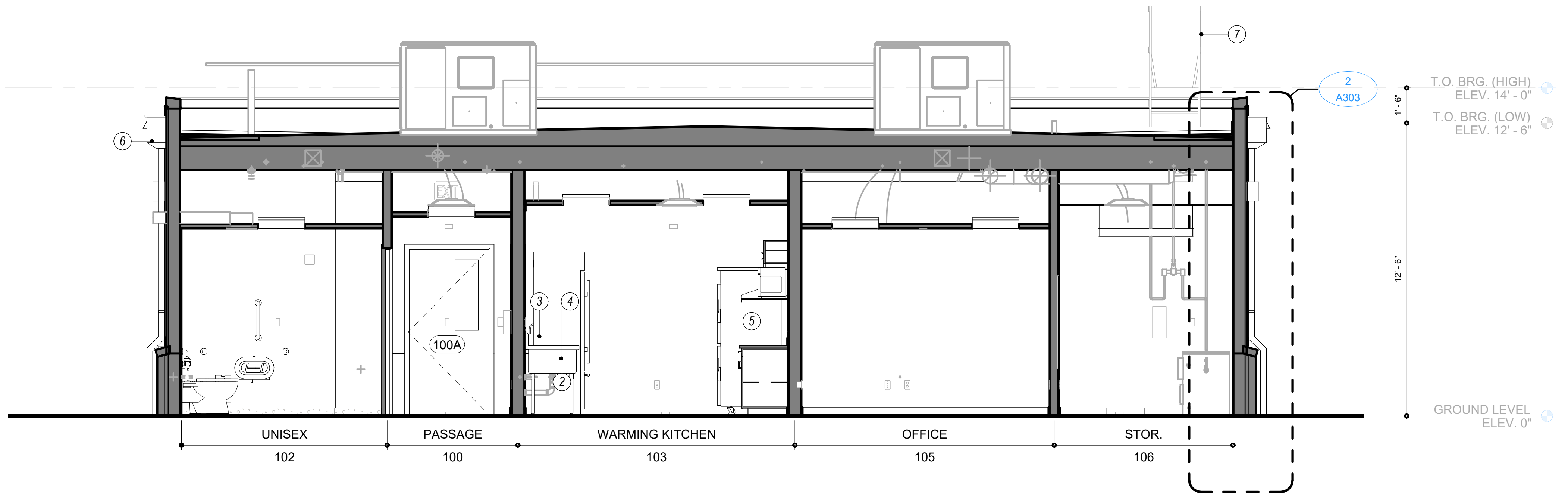

④ BUILDING SECTION

SCALE: 1/4" = 1'-0"

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STATE OF SOUTH CAROLINA
ERNEST W.
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WILMINGTON, NC
10151
REGISTERED ARCHITECT
7/31/2026

BECKER MORGAN
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WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

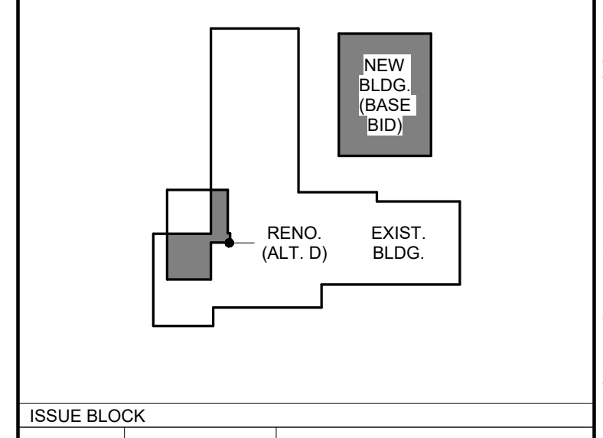
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

BUILDING SECTIONS

KEY MAP



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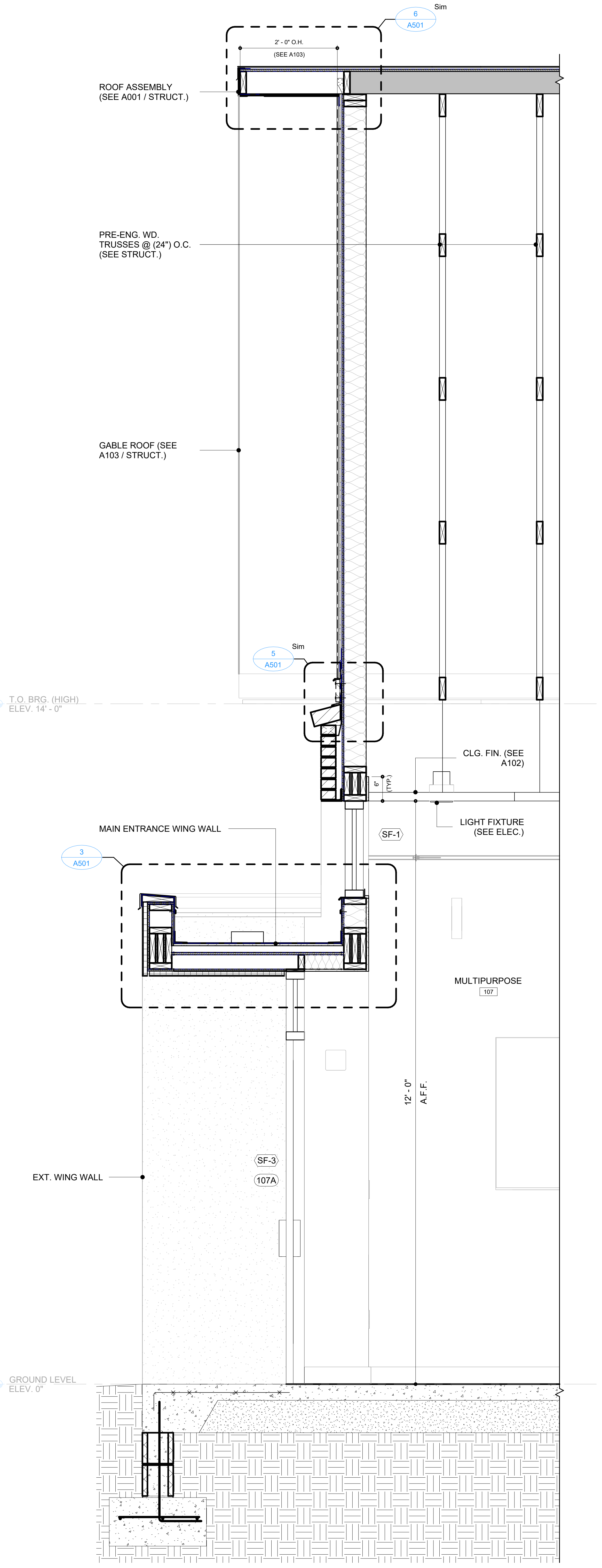

1 WALL SECTION

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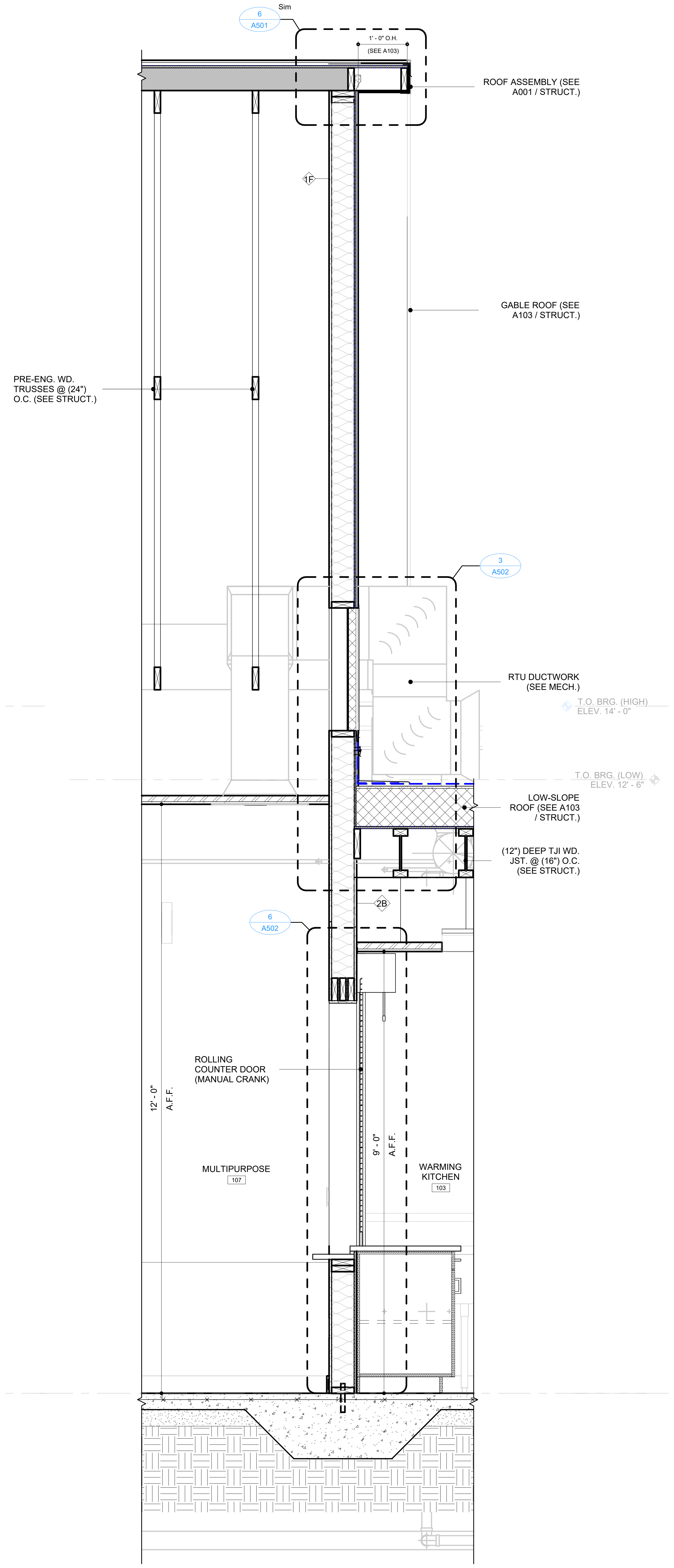

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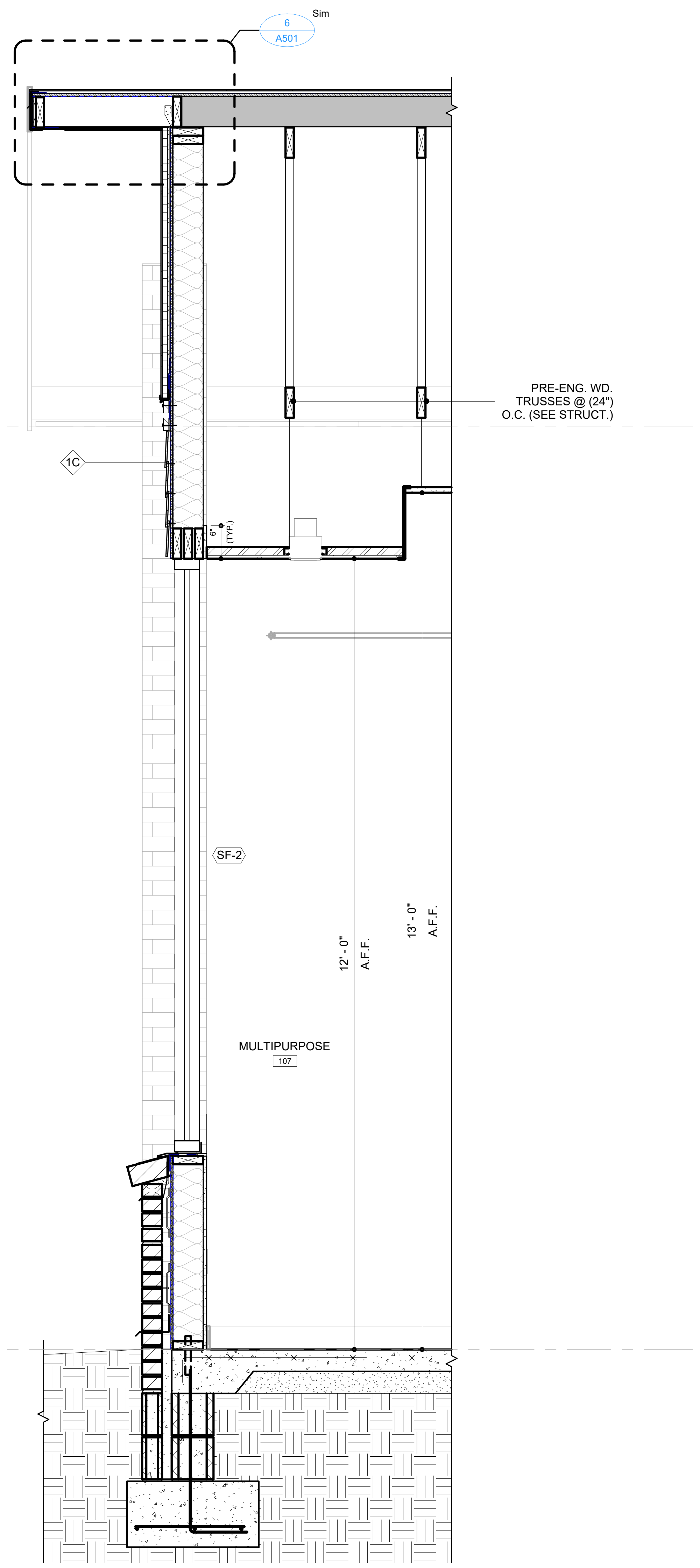

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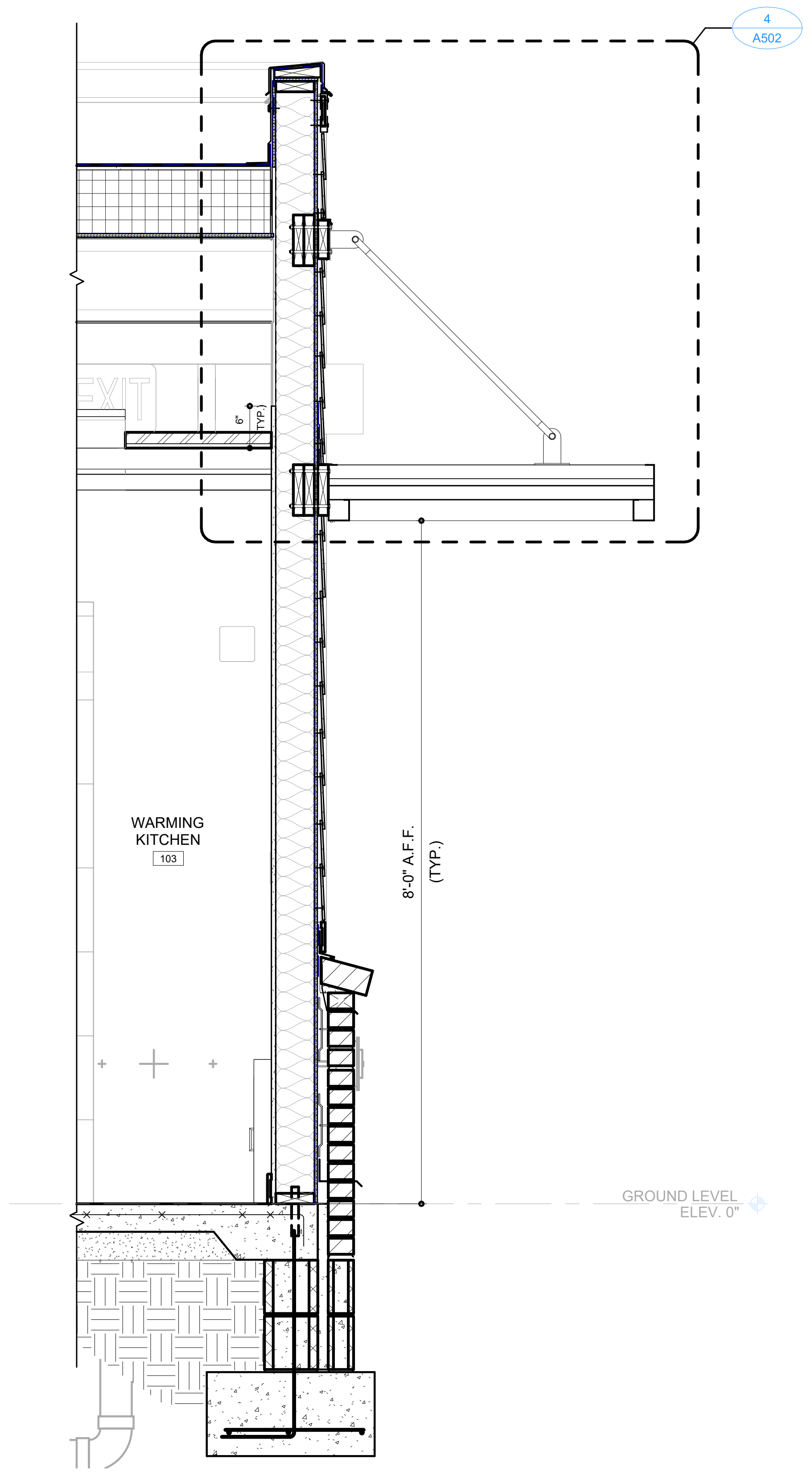

4 WALL SECTION

SCALE: 3/4" = 1'-0"

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10151
7/31/2026

BECKER MORGAN
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WILMINGTON, NC
100852

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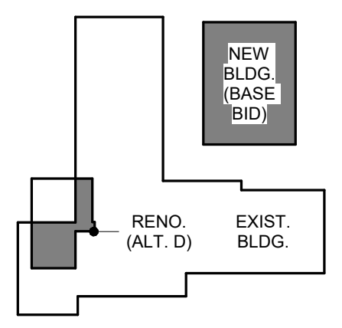
ISSUED: 07.31.2026

SHEET TITLE

WALL SECTIONS

KEY MAP



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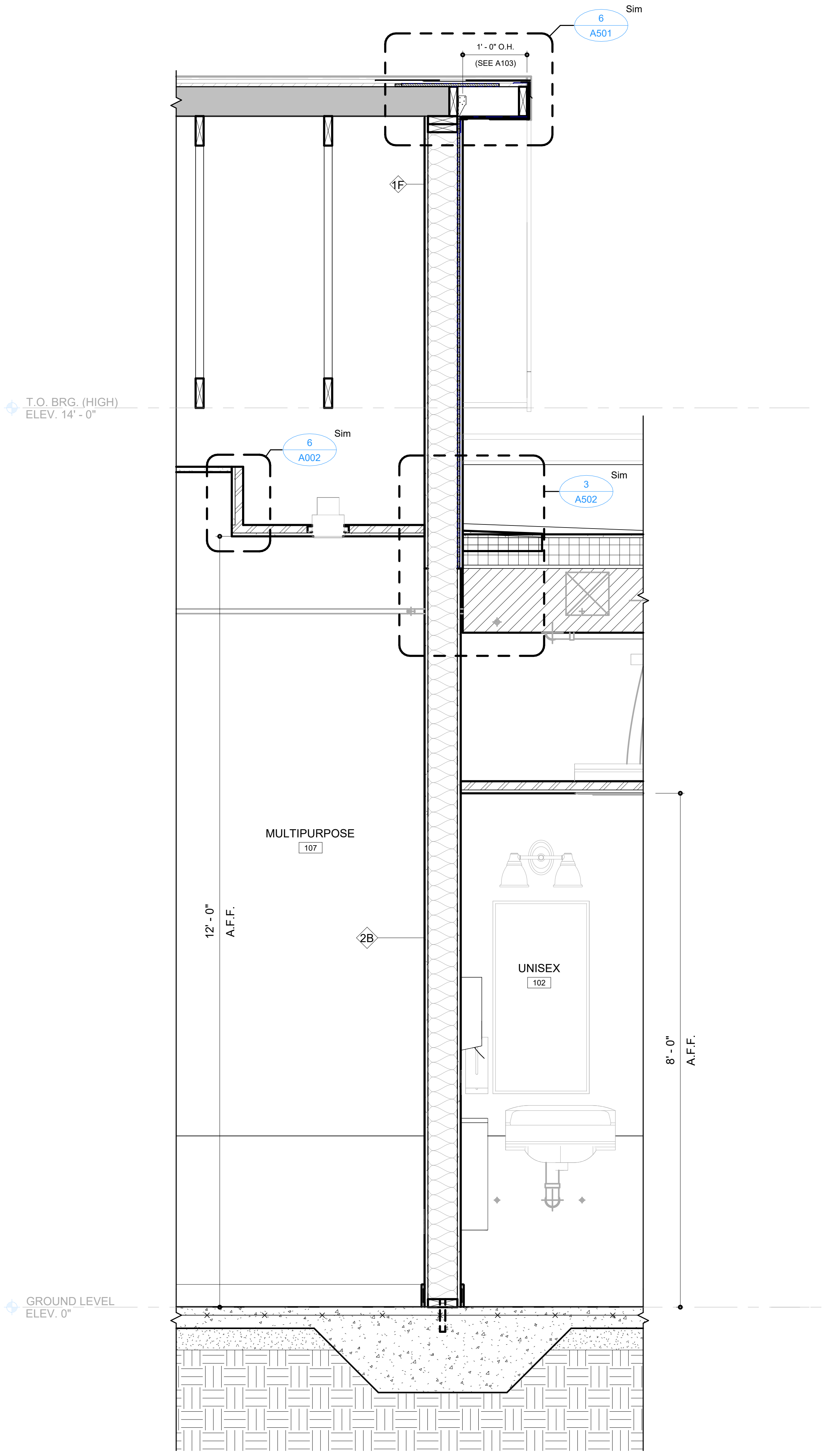
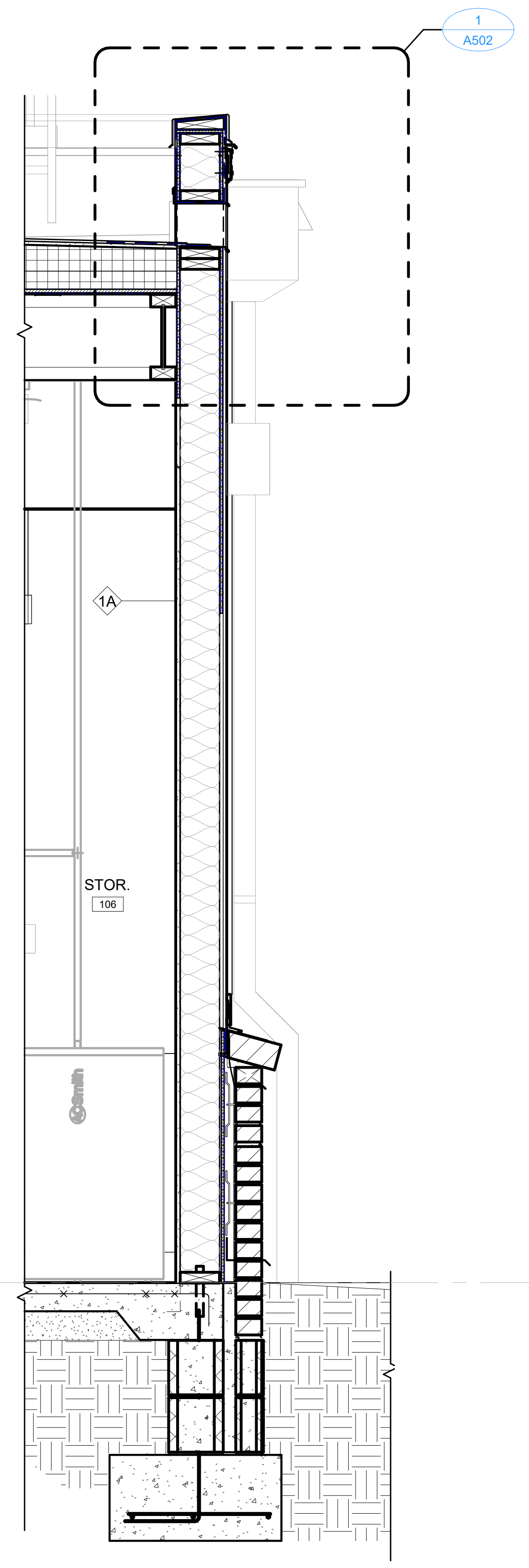


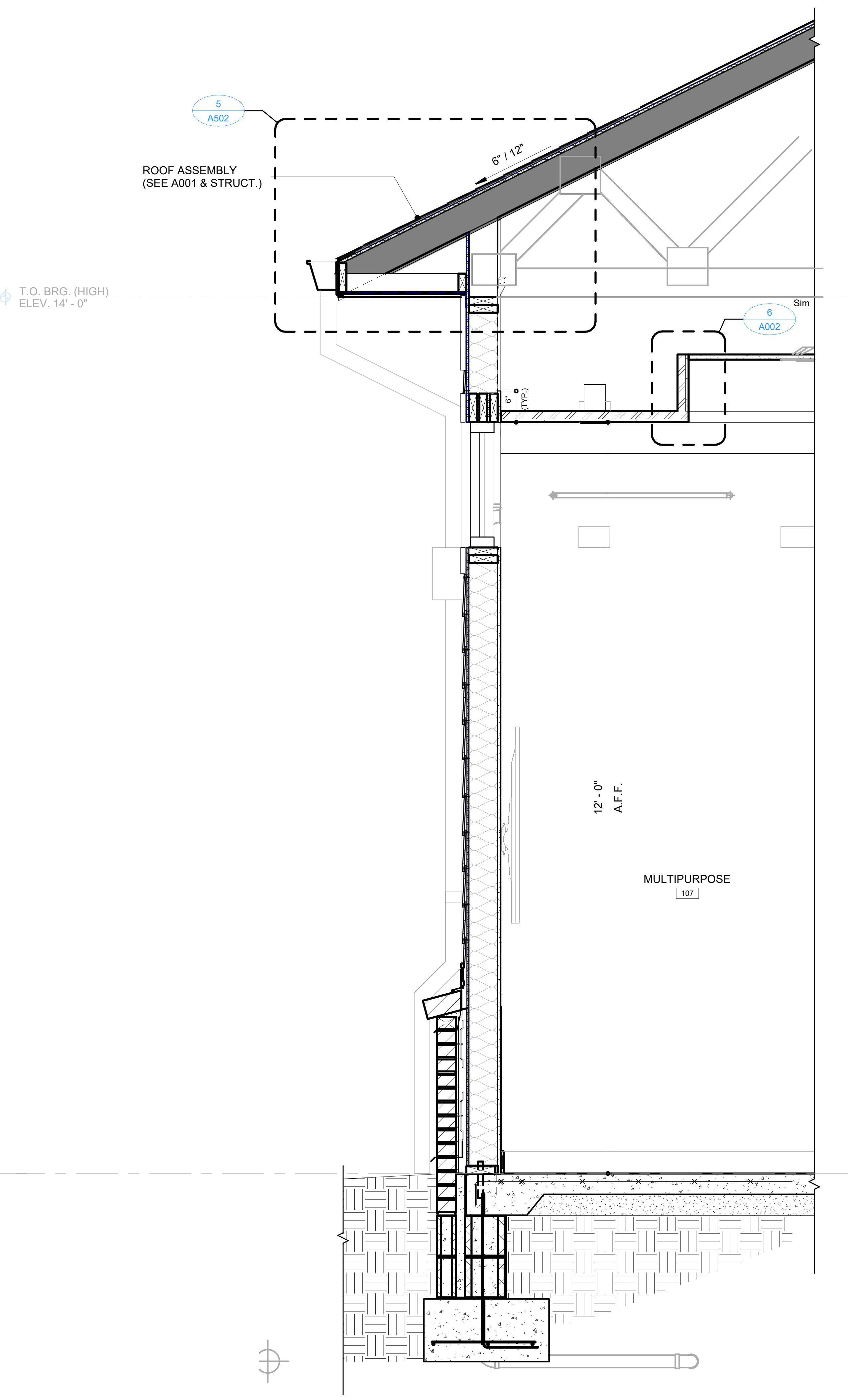
① MULTIPURPOSE @ RESTROOM - WALL SECTION

SCALE: 3/4" = 1'-0"



② EXT. STORAGE WALL SECTION

SCALE: 3/4" = 1'-0"



⑥ EXT. MULTIPURPOSE - WALL SECTION

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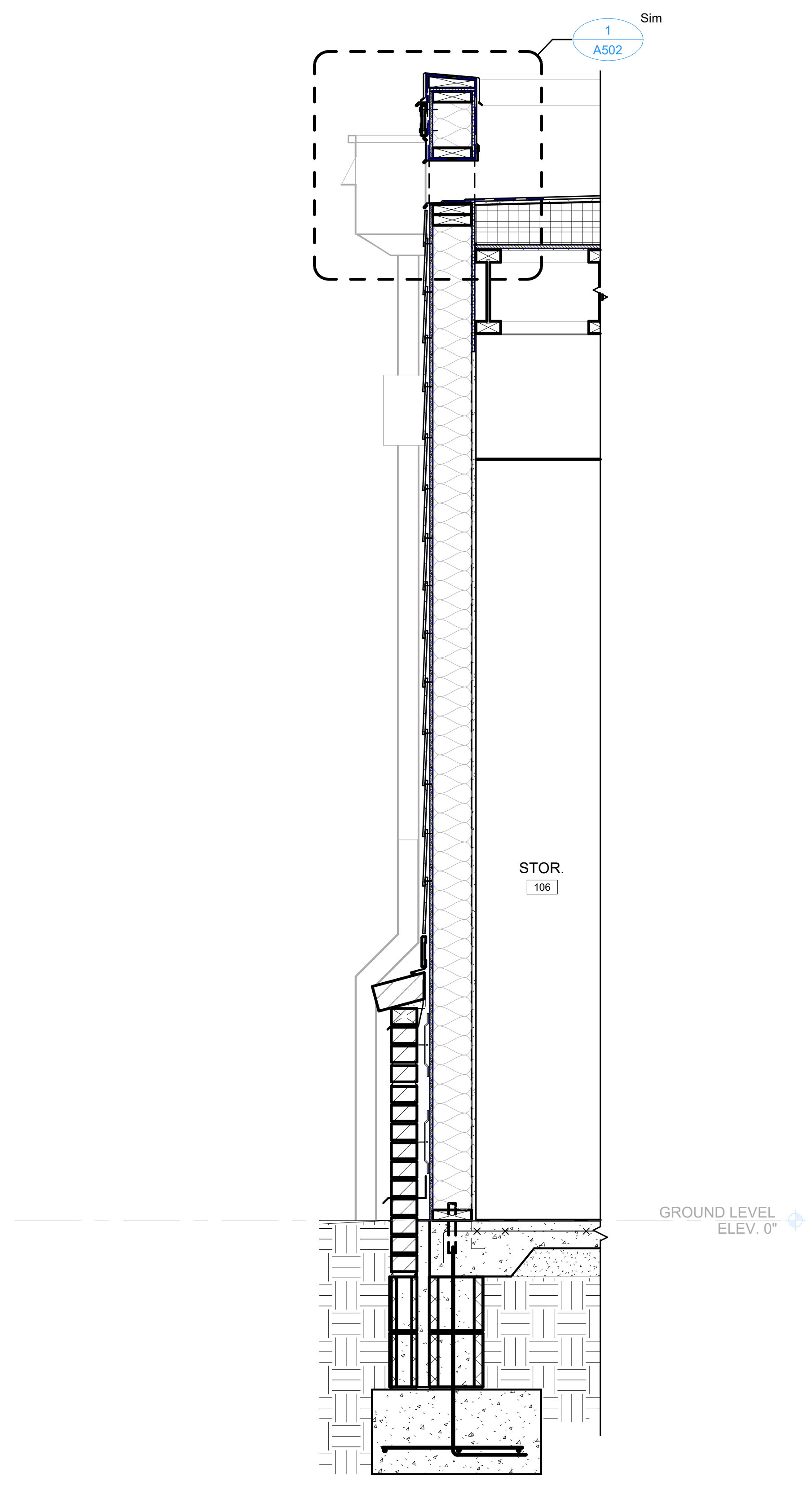

③ EXT. STORAGE - WALL SECTION

SCALE: 3/4" = 1'-0"

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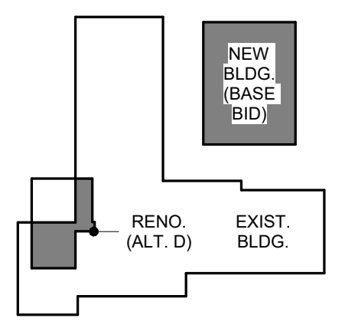
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

WALL SECTIONS

KEY MAP



ISSUE BLOCK

Mark	Date	Description

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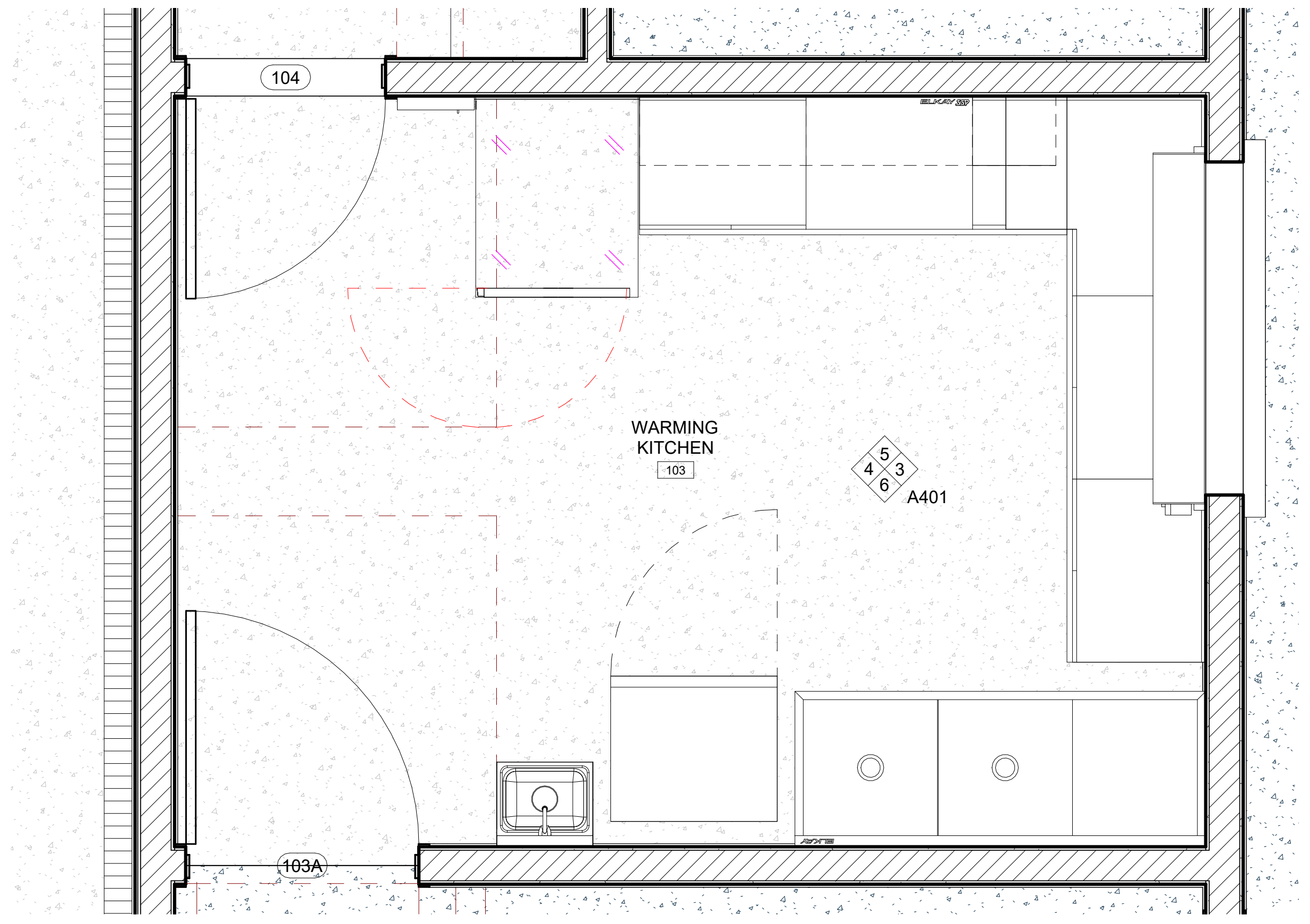
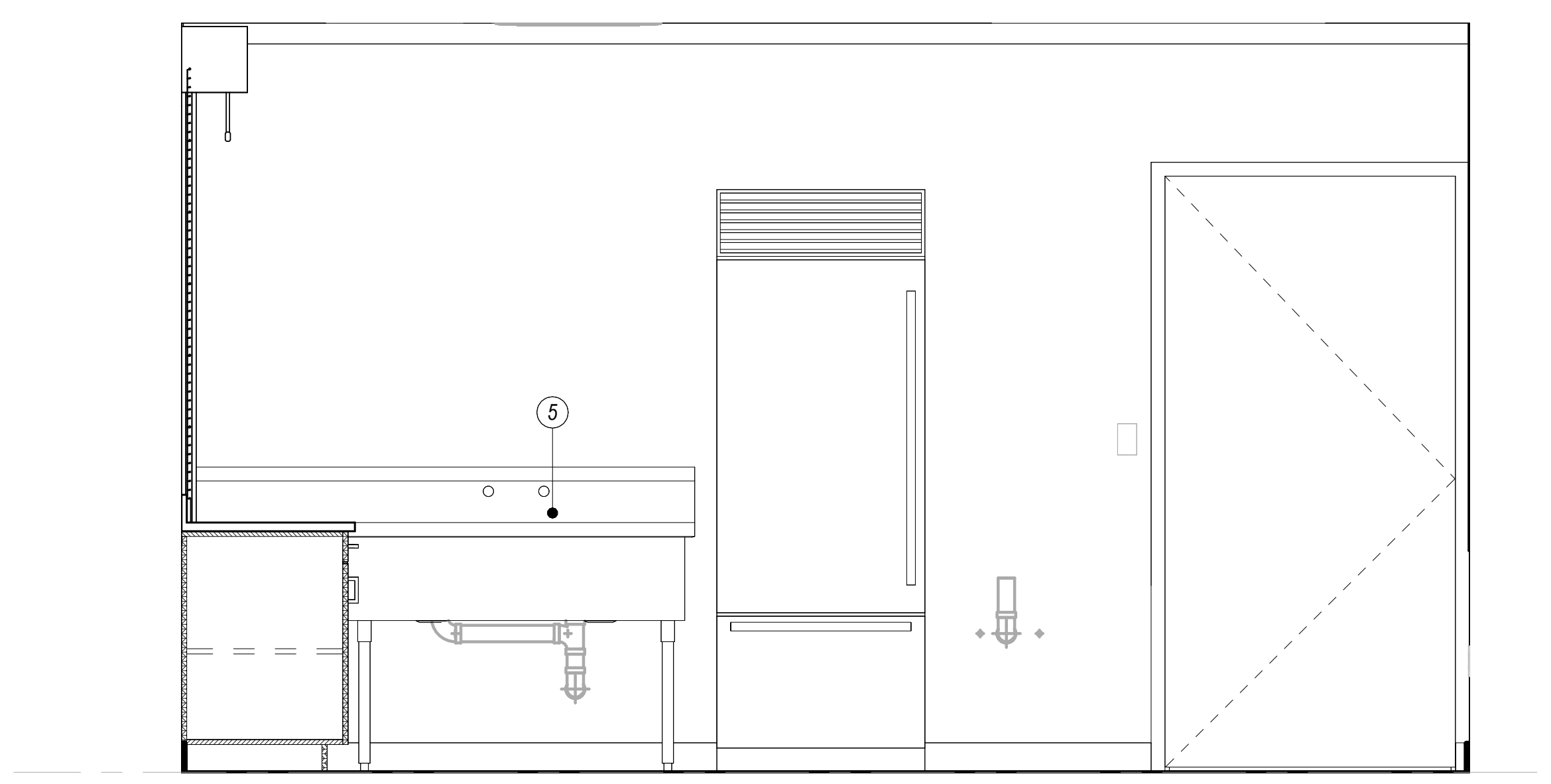
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH
PROJ MGR: CMC

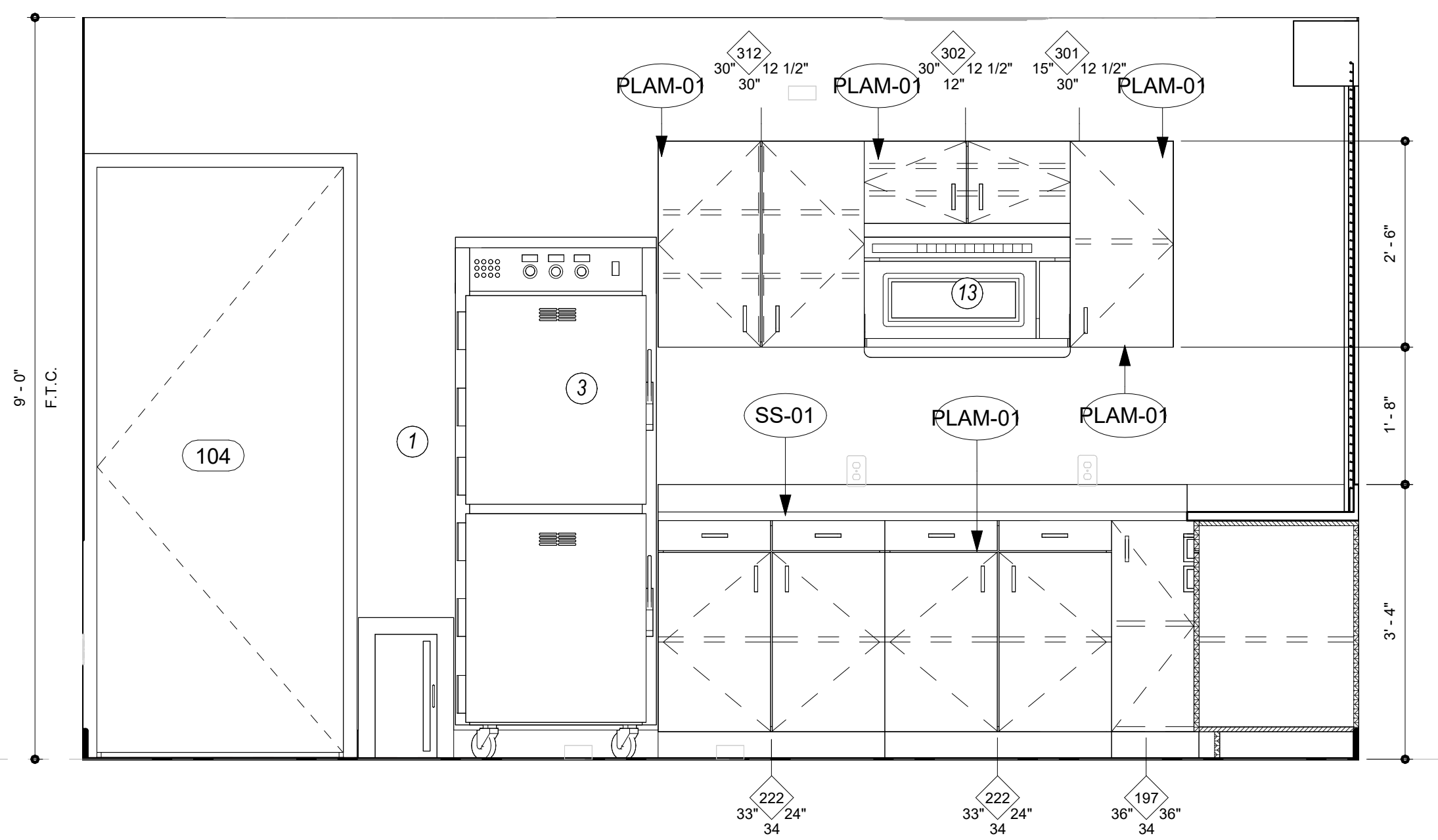
A303



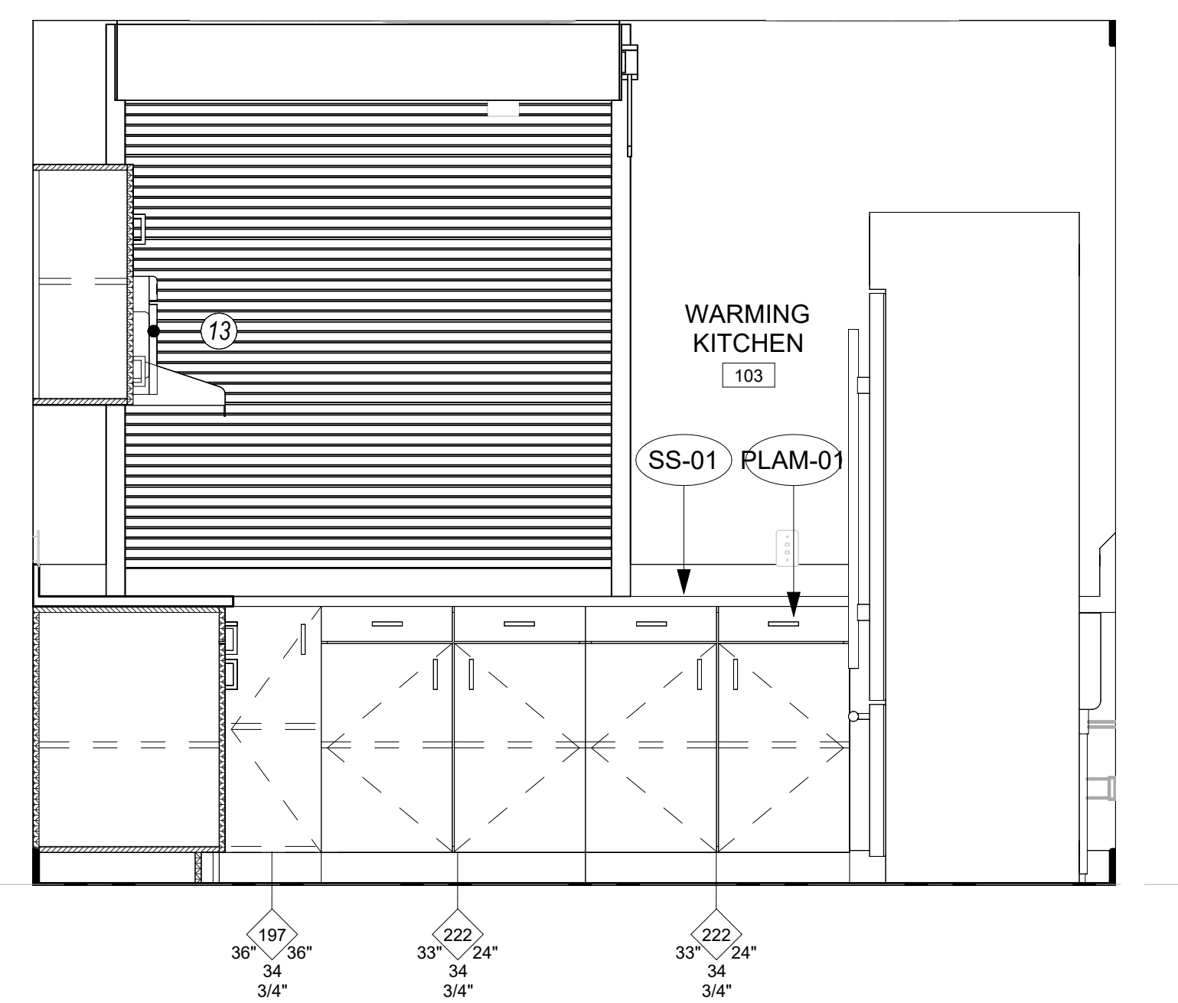
① ENLARGED PLAN
SCALE: 1/2" = 1'-0"



⑥ INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



⑤ INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



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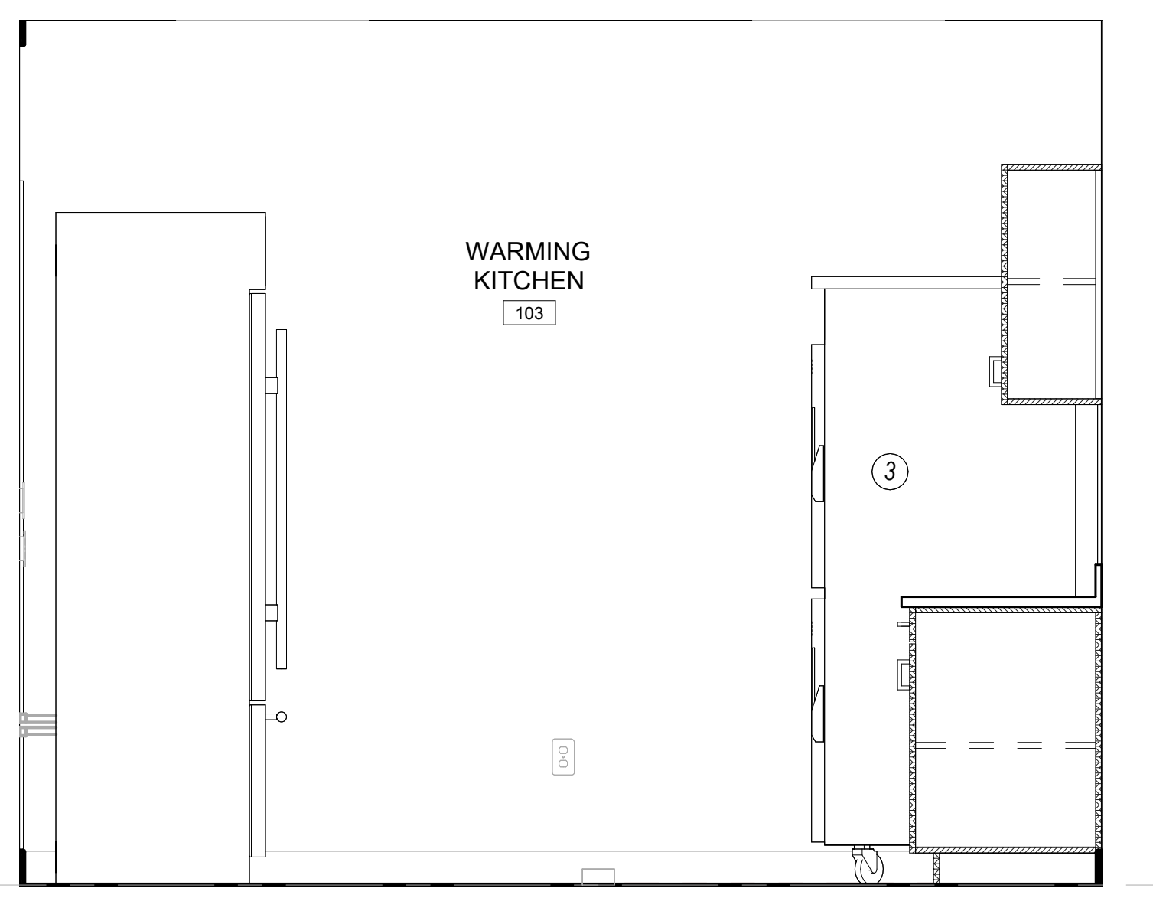

④ INTERIOR ELEVATION
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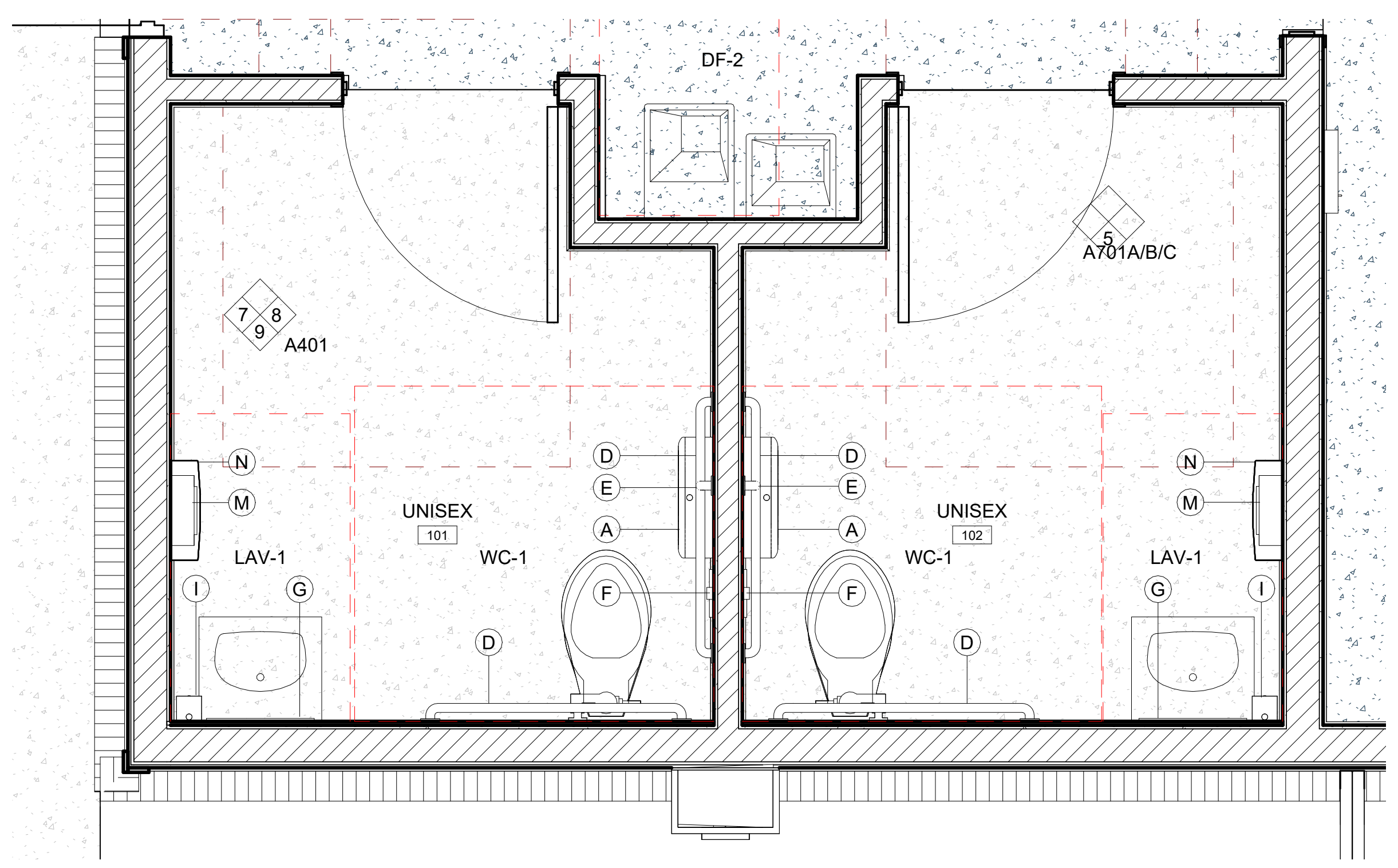
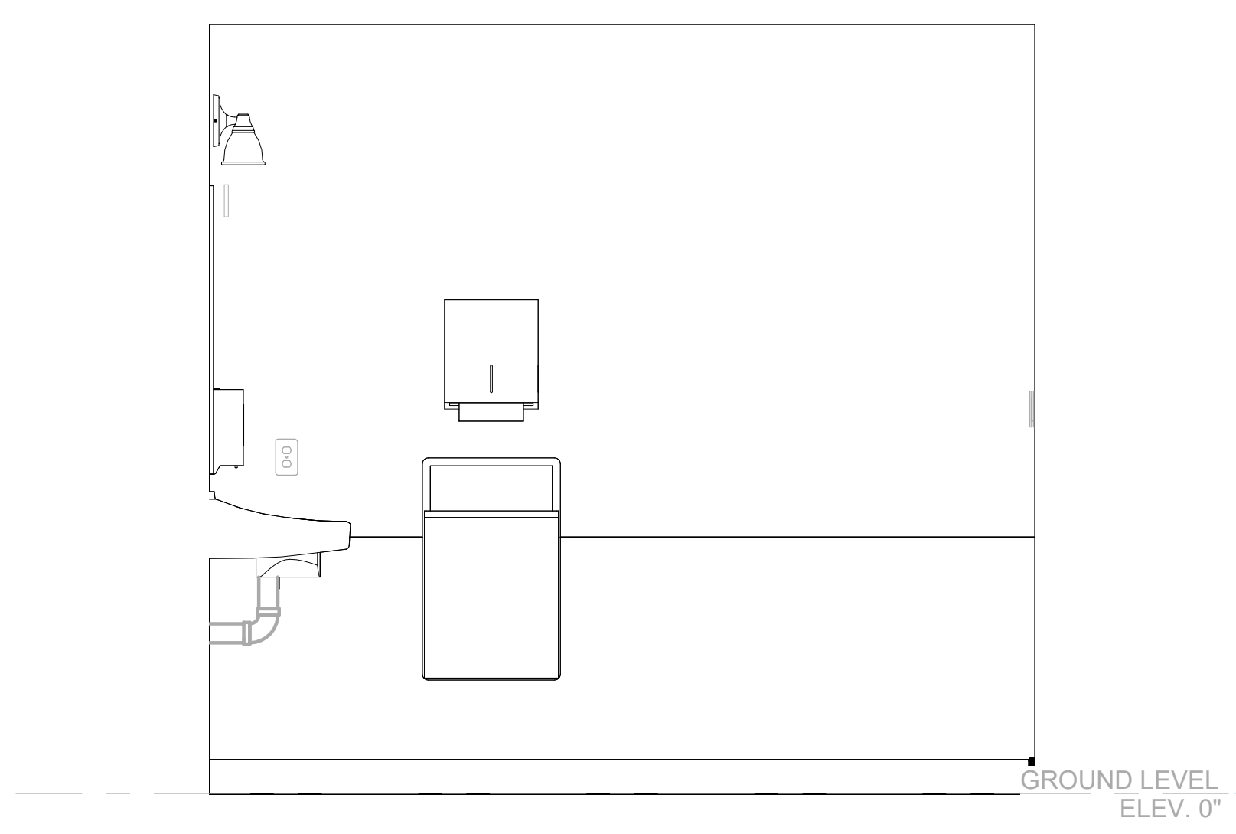
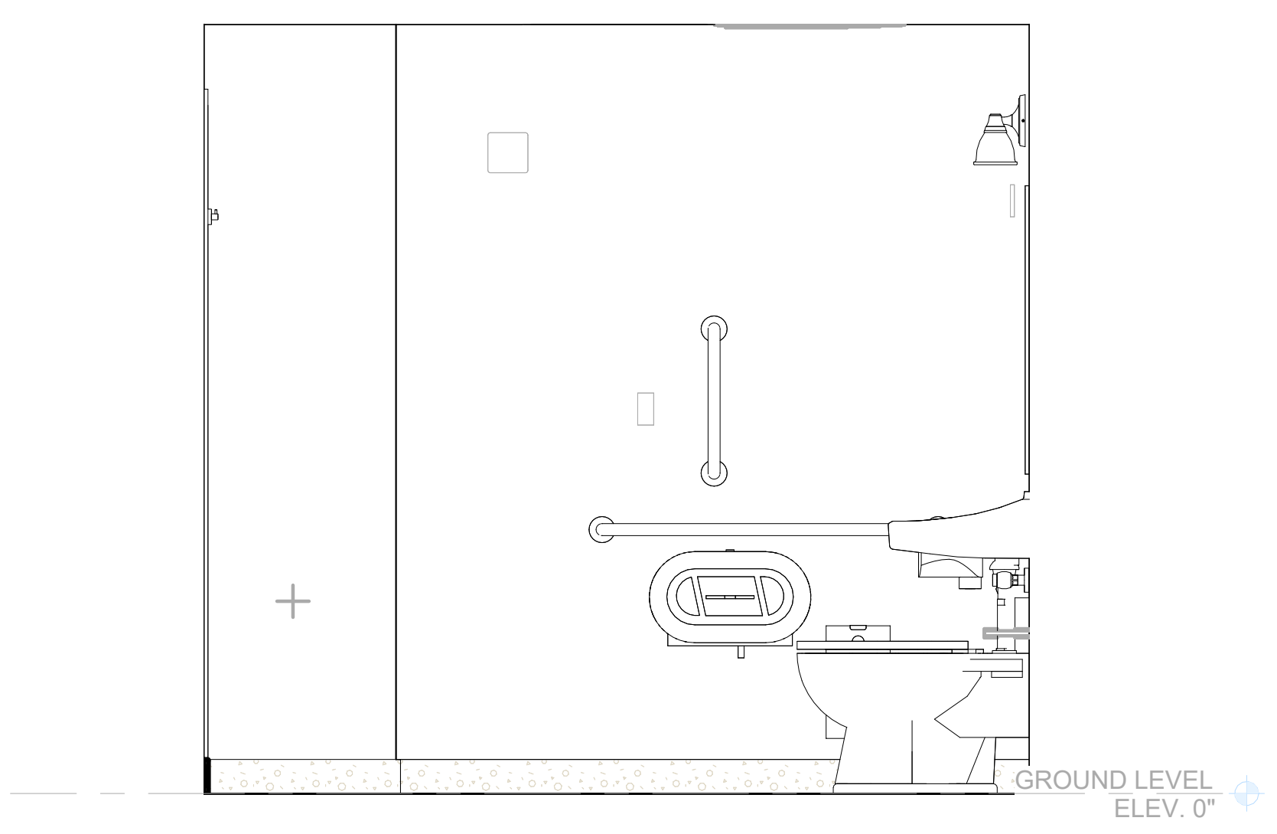


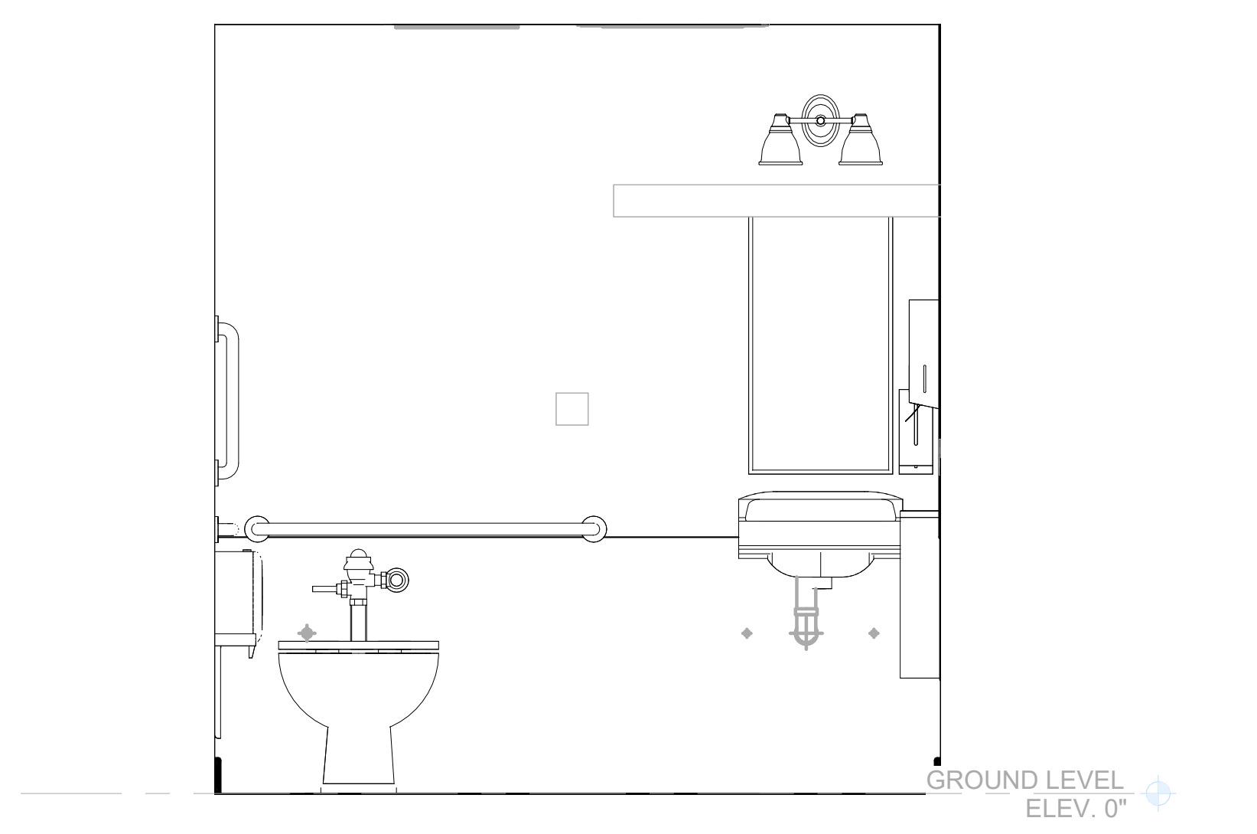
② ENLARGED PLAN
SCALE: 1/2" = 1'-0"



⑦ INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

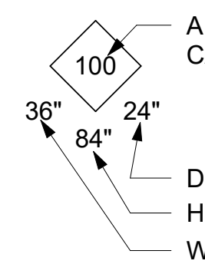


⑧ INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



⑨ INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

INTERIOR ELEVATION LEGEND

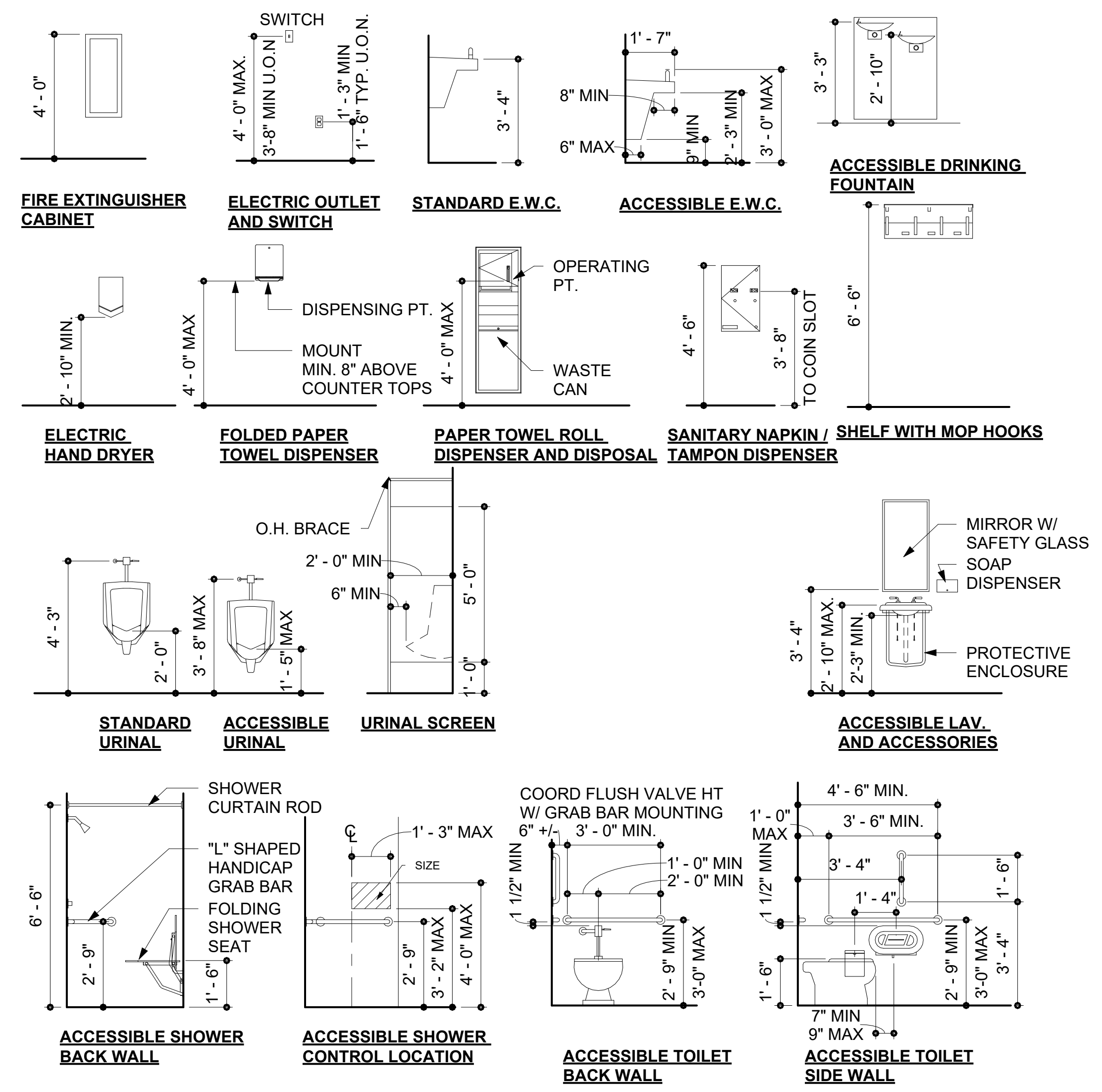


ARCHITECTURAL WOODWORK STANDARDS CASEWORK DESIGN SERIES NUMBER
DEPTH
HEIGHT
WIDTH

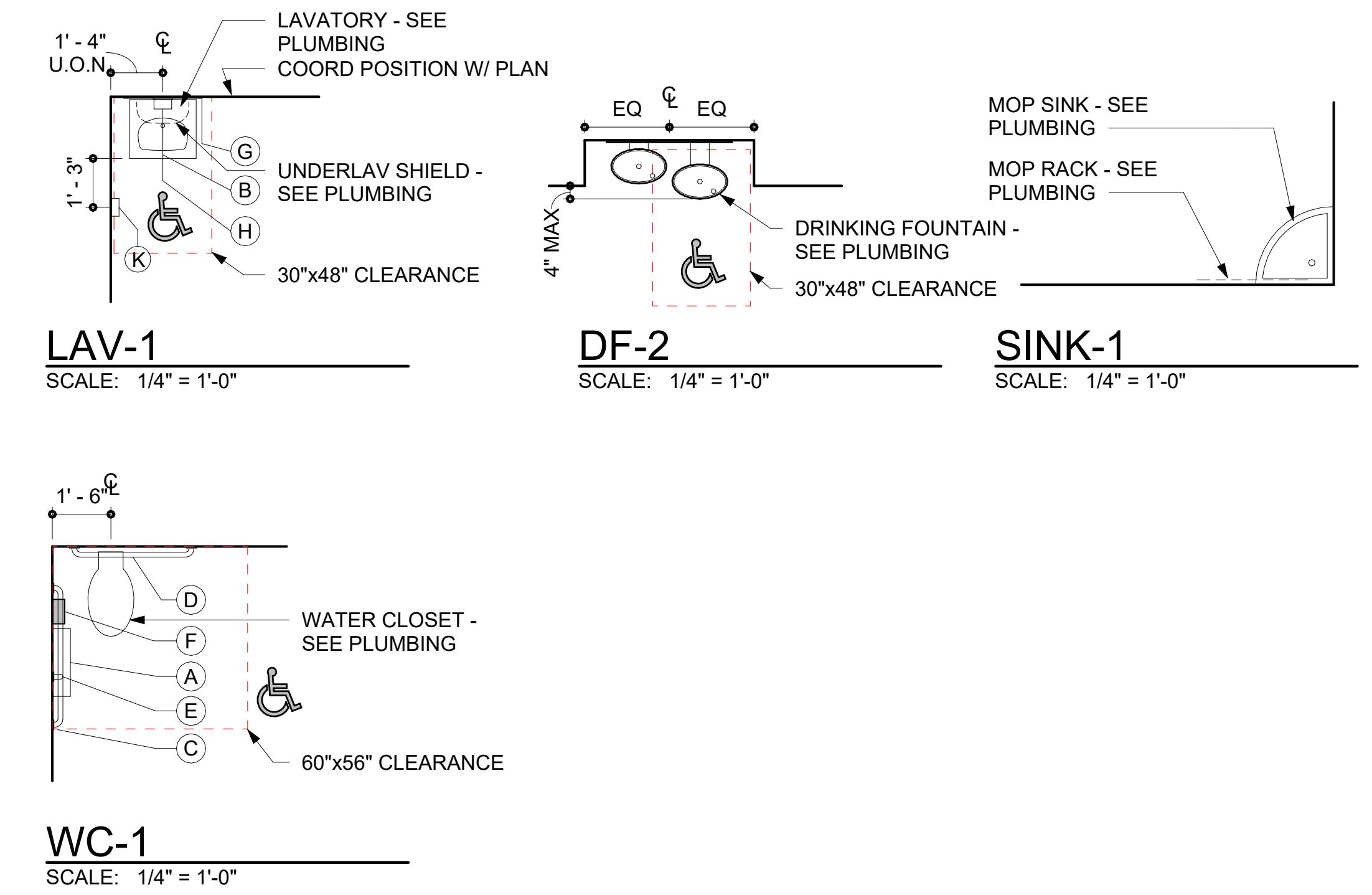
INTERIOR ELEVATION NOTES

1. ALL WALL CABINET 30" HIGH HAVE EXTRA SHELF, U.O.N.

STANDARD MOUNTING HEIGHTS



PLUMBING FIXTURES TYPES



TOILET ACCESSORY SCHEDULE

KEY	ACCESSORY DESCRIPTION	MFR'S PRODUCT NO.	QTY
A	TOILET PAPER DISPENSER	B-2892	2
D	42" HOIZONTAL GRAB BAR	B-6806x42	4
E	18" VERITCAL GRAB BAR	B-6806x18	2
F	SANITARY NAPKIN DISPOSAL	B-3513	2
G	MIRROR	B-165 1836	2
I	SOAP DISPENSER	B-2013	2
M	PAPER TOWEL DISPENSER	B-9262	2
N	WASTE RECEPTACLE	B-43644	2
O	HOOK	B-542	2

FLOOR PLAN NOTES

NOTE NO.	DESCRIPTION
1	FIRE EXTINGUISHER CABINET (F.E.C.)
3	WARMING OVEN / CABINET (RETHERMALIZATION)
5	SCULLERY (DOUBLE-BASIN) SINK (W/ DRAINBOARD)
13	MICROWAVE

BECKER MORGAN GROUP

ARCHITECTURE
ENGINEERING

North Carolina
1942 East 7th Street, Suite 240
Charlotte, NC 28204
980.270.9100

3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600

314 East Main Street
Clayton, NC 27520
919.243.1332

Maryland
312 West Main St, Suite 300
Salisbury, MD 21801
410.546.9100

Delaware
309 S Governors Ave
Dover, DE 19904
302.734.7950

The Tower at STAR Campus
100 Discovery Boulevard, Suite 102
Newark, DE 19713
302.369.3700

www.beckermorgan.com

CONSULTANT INFORMATION

CASE CONSULTING, INC.

STRUCTURAL ENGINEERING

840 SHULL STREET, SUITE 100
WEST COLUMBIA, SC 29169

ph 803.926.1600 fax 803.926.1610

GWA, INC.

ELECTRICAL ENGINEERING

168 LAURELHURST AVE
COLUMBIA, SC 29210

ph 803.252.6919

MECA ENGINEERING

MECHANICAL / PLUMBING ENGINEERING

2230 MAIN ST
COLUMBIA, SC 29201

ph 803.765.9421

CHAO AND ASSOCIATES, INC.

CONSULTING ENGINEERS &
LAND SURVEYORS

7 CLUSTERS COURT
COLUMBIA, SC 29210

ph 803.772.8420

PROJECT RECORD SEAL

STATE OF SOUTH CAROLINA
ERNEST W.
OLDS
WILMINGTON, NC
10151
REGISTERED ARCHITECT
7/31/2026

STATE OF SOUTH CAROLINA
BECKER MORGAN
GROUP, INC.
WILMINGTON, NC
100852
REGISTERED ARCHITECTS

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

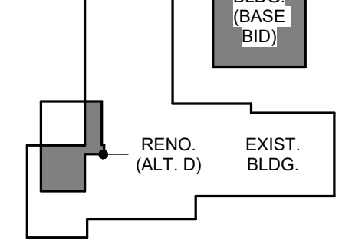
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

ENLARGED PLANS & ELEVATIONS

KEY MAP



ISSUE BLOCK

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DATE:	07.31.2026
SCALE:	As indicated
DRAWN BY: KMH	PROJ MGR: CMC

A401

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FLOOR FINISH LEGEND

▨	POLISHED CONCRETE (GRAY)
▨	POLISHED CONCRETE (BLUE)
▨	EPOXY (FLUID-APPLIED)

NOTE: HATCH PATTERNS REPRESENT MATERIAL ONLY (EXCLUDES INSTALLATION ORIENTATION / LAYOUT)

GENERAL SYMBOL LEGEND

FINISH TAG:

(XX-1)	SEE FINISH LEGEND
▸◂	TRANSITION STRIP BETWEEN MATERIALS

1. ALL TRANSITIONS TO BE COORDINATED W/ MATERIAL THICKNESS.
2. TRANSITION COLOR SELECTED BY DESIGNER

ROOM TAG FINISH:

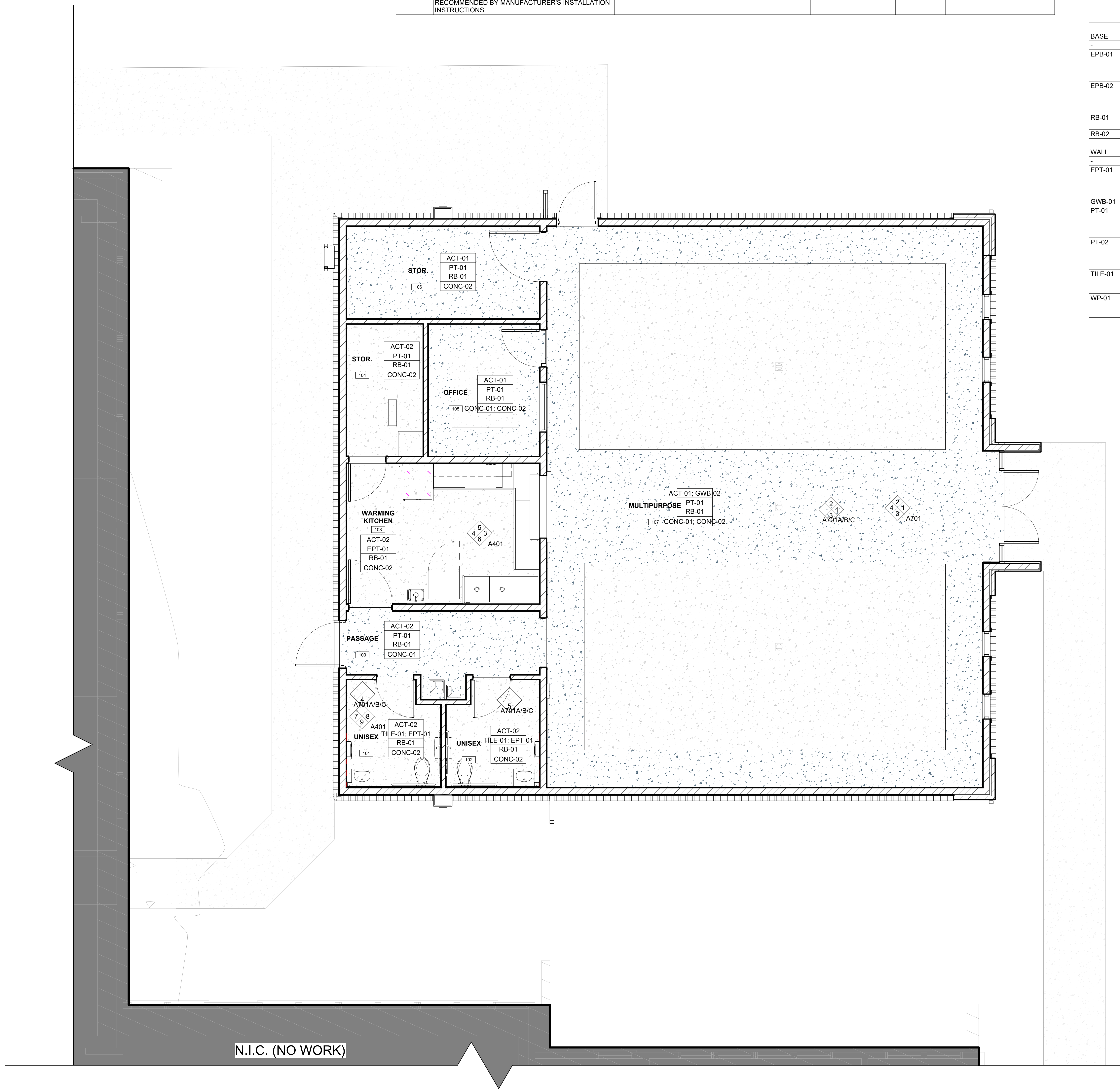
Room Name Short	ACT ###	CEILING FINISH
	VWC ###	WALL FINISH
	CT ###	WALL BASE FINISH
	VCT ###	FLOOR FINISH

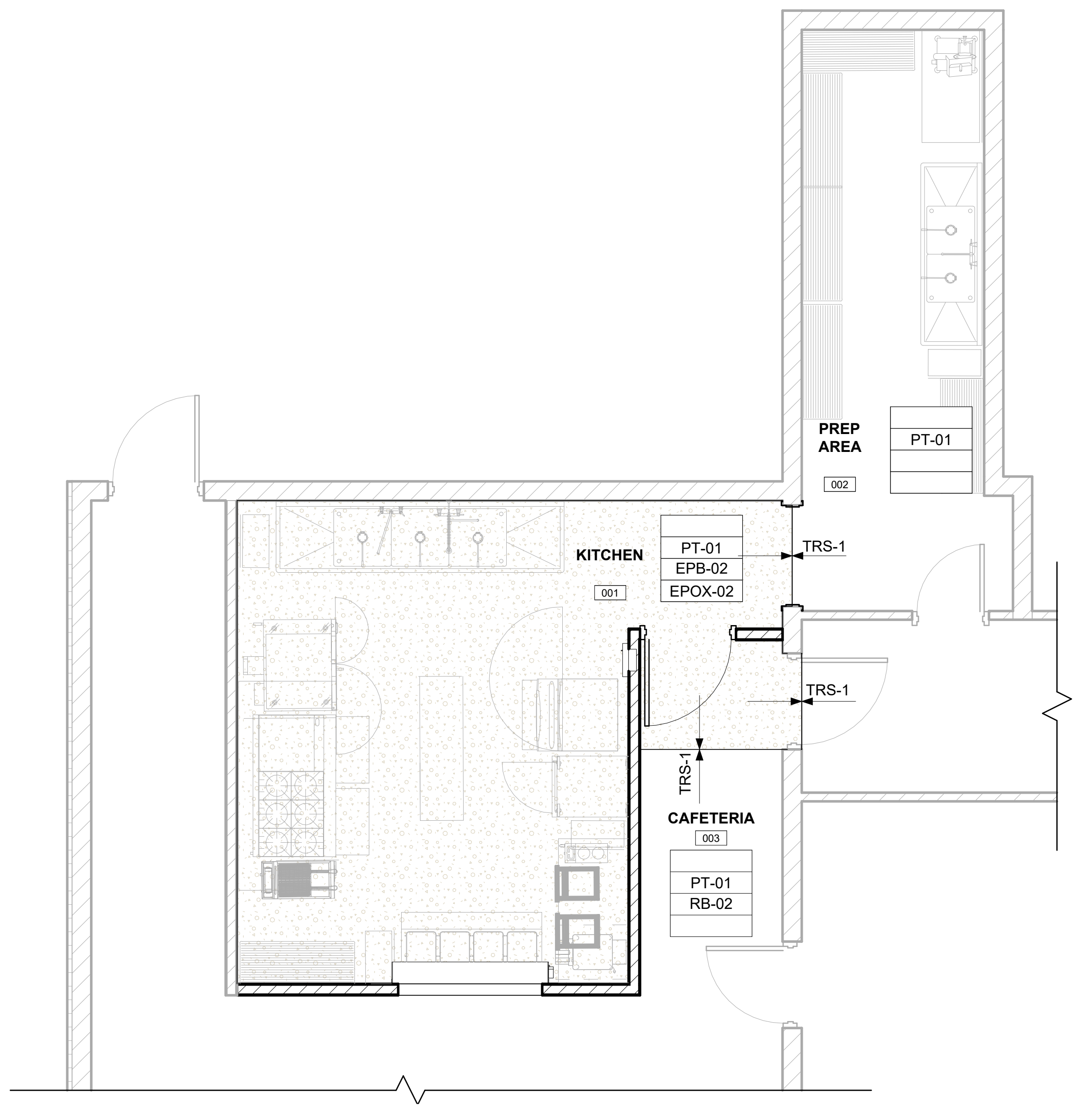
MATERIAL FINISH SCHEDULE LEGEND

KEY NAME	DESCRIPTION	MANUFACTURER/CONTACT	SPEC. REF	PRODUCT	COLOR/FINISH	SIZE	COMMENTS
CEILING							
ACT-01	2x2 ACOUSTICAL CEILING TILE		095100		WHITE	24"x24"	
ACT-02	2x2 ACOUSTICAL CEILING TILE- MOISTURE RESISTANT		095100		WHITE	24"x24"	
GWB-02	GYPSUM BOARD CEILING		092116				
PT-03	CEILING PAINT	SHERWIN WILLIAMS; STEVE GOODE; [E] STEVEN.R.GOODE@SHERWIN.COM; [P] 980-207-9410	099000	SEE COMMENTS	PURE WHITE SW 7005; 50% FLAT	N/A	
ORIENTATION							
	ON PLANS NORTH WALL IS UP, EAST IS RIGHT, SOUTH IS DOWN, WEST IS LEFT						
GENERAL NOTES							
1	REFER TO FLOOR PLANS FOR ORIENTATION OF PLAN NORTH						
2	WALLS MAY CONTAIN MORE THAN ONE MATERIAL OR FINISH. REFER TO CONSTRUCTION TYPES, FLOOR PLANS, SECTIONS, DETAILS, AND INTERIOR ELEVATIONS.						
3	SEE REFLECTED CEILING PLANS, LEGEND, AND NOTES FOR CEILING HEIGHTS, MATERIAL EXTENTS, AND LOCATIONS OF BULKHEADS, SOFFITS, AND OTHER FEATURES.						
4	PLAN WALL TYPES TAKE PRECEDENCE OVER SCHEDULED WALL FINISH. PROVIDE APPROPRIATE WALL FINISH TO CORRESPOND TO WALL TYPES.						
5	PROVIDE MOLD AND MOISTURE RESISTANT GWB WHERE GWB WALL AND CEILING MATERIAL IS CALLED FOR IN TOILET ROOMS, BATHROOMS, LOCKER ROOMS, SHOWERS, LAUNDRY ROOMS, KITCHENS, AND CUSTODIAL CLOSETS.						
6	PROVIDE SEALANT AT INTERSECTINOS OF DISSIMILAR MATERIALS. PROVIDE SEALANT WHERE RECOMMENDED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS						

MATERIAL FINISH SCHEDULE LEGEND

KEY NAME	DESCRIPTION	MANUFACTURER/CONTACT	SPEC. REF	PRODUCT	COLOR/FINISH	SIZE	COMMENTS
PLAM-01	PLASTIC LAMINATE	WILSONART; LIBBY STANTON; [E] LIBBY.STANTON@WILSONART.COM; [P] 281-682-3462		8275K-05 CHERRY PB SIENNA	TIMBERGRAIN FINISH	VIF	
SCWD	SOLID CORE WOOD DOOR W/PREFINISH VENEER	SEE COMMENTS	081400	STAINED TO MATCH MINWAX FALLEN CYPRESS	MATTE SHEEN/FINISH	N/A	GC TO SELECT AND SUBMIT TO DESIGNER FOR REVEIW; GC TO DETERMINE BEST FINISH SPEC FOR APPLICATION
SS-01	SOLID SURFACE	WILSONART; LIBBY STANTON; [E] LIBBY.STANTON@WILSONART.COM; [P] 281-682-3462		9222SS	TITANIUM GRAY	VIF	
FLOOR							
CONC-01	CONCRETE WITH SEALER/HARDENER	RETROPLATE SYSTEM; JIM BRUNSON [E] JIMBRUNSON@BESSCO365.COM	033511	POLISHED CONCRETE	TOPAZ; CLASS B AGGREGATE; LEVEL 3 POLISHED	VARIES	
CONC-02	CONCRETE WITH SEALER/HARDENER	RETROPLATE SYSTEM; JIM BRUNSON [E] JIMBRUNSON@BESSCO365.COM	033511	POLISHED CONCRETE	CONCRETE GRAY; CLASS B AGGREGATE; LEVEL 3 POLISHED	VARIES	
EPOX-01	EPOXY FLAKE	STONHARD; PAULINE HABER [E] PAULINE.HABER@STONHARD.COM, [P] 854-214-0963	096700	STONTEC	SHENANDOAH BLUFF; LARGE FLAKES	VARIES	
EPOX-02	EPOXY FLAKE	STONHARD; PAULINE HABER [E] PAULINE.HABER@STONHARD.COM, [P] 854-214-0963		STONTEC	SHENANDOAH BLUFF; LARGE FLAKES		
TRS-1	TRANSITION STRIP	SCHLUTER SYSTEMS; TYLER HERBERT; [E] THERBERT@SCHLUTER.COM; [P] 980-402-2785		Schluter®-VINPRO-T	BRUSHED CHROME ANODIZED	14MM W	
TRS-2	TRANSITION STRIP	SCHLUTER SYSTEMS; TYLER HERBERT; [E] THERBERT@SCHLUTER.COM; [P] 980-402-2785		Schluter®-VINPRO-U	BRUSHED CHROME ANODIZED		
BASE							
-			-				
EPB-01	EPOXY BASE	STONHARD; PAULINE HABER [E] PAULINE.HABER@STONHARD.COM, [P] 854-214-0963	096700	STONTEC	SHENANDOAH BLUFF; LARGE FLAKES	4" H	
EPB-02	EPOXY BASE	STONHARD; PAULINE HABER [E] PAULINE.HABER@STONHARD.COM, [P] 854-214-0963		STONTEC	SHENANDOAH BLUFF; LARGE FLAKES	4"H	
RB-01	RESILIENT WALL BASE	ROPPE	096500	VINYL WALL BASE	CALLA LILY 695	4" H	
RB-02	RESILIENT WALL BASE	ROPPE	096500				MATCH TO EXISTING
WALL							
-							
EPT-01	INDUSTRIAL HIGH PERFORMANCE EPOXY	SHERWIN WILLIAMS; STEVE GOODE; [E] STEVEN.R.GOODE@SHERWIN.COM; [P] 980-207-9410		SEE COMMENTS	PURE WHITE SW 7005; GLOSS		CFCI; GC TO DETERMINE APPROPRIATE PRODUCT FOR INTENDED APPLICATION. USE MFR RECOMMENDED PRIMER
GWB-01	GYPSUM WALL BOARD		092116				
PT-01	PAINT	SHERWIN WILLIAMS; STEVE GOODE; [E] STEVEN.R.GOODE@SHERWIN.COM; [P] 980-207-9410	099000	SEE COMMENTS	PURE WHITE SW 7005; EGGSHELL	N/A	CFCI; GC TO DETERMINE APPROPRIATE PRODUCT FOR INTENDED APPLICATION. USE MFR RECOMMENDED PRIMER
PT-02	TRIM AND DOOR FRAME PAINT	SHERWIN WILLIAMS; STEVE GOODE; [E] STEVEN.R.GOODE@SHERWIN.COM; [P] 980-207-9410	099000	SEE COMMENTS	DRIFT OF MIST SW 9166; SATIN	N/A	CFCI; GC TO DETERMINE APPROPRIATE PRODUCT FOR INTENDED APPLICATION. USE MFR RECOMMENDED PRIMER
TILE-01	MATTE PORCELAIN TILE - ALT B	TILEBAR; ERIN SALIN [E] ESALIN@TILEBAR.COM, [P] 704-763-4251	093000	ERA	SILVER GRAY	12"x24"	
WP-01	ACOUSTIC WALL PANEL - ALT A	ACOUFELT; MARK VALENTI [E] MARK.VALENTI@ACOUFELT.COM, [P] 919-606-2466	098430	ACOUSTIC PANEL	DENIM DE09 OR STONEWASH ST72	SEE SHEET A701A/B	





② GROUND FINISH PLAN (ALT. D)

SCALE: 1/4" = 1'-0"

① GROUND FINISH PLAN

SCALE: 1/4" = 1'-0"

PLAN NORTH

BECKER MORGAN GROUP

ARCHITECTURE
ENGINEERING

North Carolina
1942 East 7th Street, Suite 240
Charlotte, NC 28204
980.270.9100

3333 Jaeckle Drive, Suite 120
Wilmington, NC 28403
910.341.7600

314 East Main Street
Clayton, NC 27520
919.243.1332

Maryland
312 West Main St, Suite 300
Salisbury, MD 21801
410.546.9100

Delaware
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Dover, DE 19904
302.734.7950

The Tower at STAR Campus
100 Discovery Boulevard, Suite 102
Newark, DE 19713
302.369.3700

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WEST COLUMBIA, SC 29169

ph 803.926.1600 fax 803.926.1610

GWA, INC.

ELECTRICAL ENGINEERING

168 LAURELHURST AVE
COLUMBIA, SC 29210

ph 803.252.6919

MECA ENGINEERING

MECHANICAL / PLUMBING ENGINEERING

2230 MAIN ST
COLUMBIA, SC 29201

ph 803.765.9421

CHAO AND ASSOCIATES, INC.

CONSULTING ENGINEERS &
LAND SURVEYORS

7 CLUSTERS COURT
COLUMBIA, SC 29210

ph 803.772.8420

PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151

7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

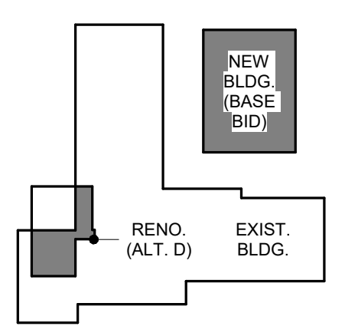
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

FLOOR FINISH PLAN AND SCHEDULE

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
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SCALE: As indicated
DRAWN BY: KMH
PROJ MGR: CMC

A402

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FLOOR FINISH LEGEND

▨	POLISHED CONCRETE (GRAY)
▨	POLISHED CONCRETE (BLUE)
▨	EPOXY (FLUID-APPLIED)

NOTE: HATCH PATTERNS REPRESENT MATERIAL ONLY (EXCLUDES INSTALLATION ORIENTATION / LAYOUT)

GENERAL SYMBOL LEGEND

FINISH TAG:

(XX-1)	SEE FINISH LEGEND
▸◂	TRANSITION STRIP BETWEEN MATERIALS

1. ALL TRANSITIONS TO BE COORDINATED W/ MATERIAL THICKNESS.
2. TRANSITION COLOR SELECTED BY DESIGNER

ROOM TAG FINISH:

Room Name Short	ACT ###	CEILING FINISH
	VWC ###	WALL FINISH
	CT ###	WALL BASE FINISH
	VCT ###	FLOOR FINISH

MATERIAL FINISH SCHEDULE LEGEND

KEY NAME	DESCRIPTION	MANUFACTURER/CONTACT	SPEC. REF	PRODUCT	COLOR/FINISH	SIZE	COMMENTS
CEILING							
ACT-01	2x2 ACOUSTICAL CEILING TILE		095100		WHITE	24"x24"	
ACT-02	2x2 ACOUSTICAL CEILING TILE- MOISTURE RESISTANT		095100		WHITE	24"x24"	
GWB-02	GYPSUM BOARD CEILING		092116				
PT-03	CEILING PAINT	SHERWIN WILLIAMS; STEVE GOODE; [E] STEVEN.R.GOODE@SHERWIN.COM; [P] 980-207-9410	099000	SEE COMMENTS	PURE WHITE SW 7005; 50% FLAT	N/A	
ORIENTATION							
	ON PLANS NORTH WALL IS UP, EAST IS RIGHT, SOUTH IS DOWN, WEST IS LEFT						
GENERAL NOTES							
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2	WALLS MAY CONTAIN MORE THAN ONE MATERIAL OR FINISH. REFER TO CONSTRUCTION TYPES, FLOOR PLANS, SECTIONS, DETAILS, AND INTERIOR ELEVATIONS.						
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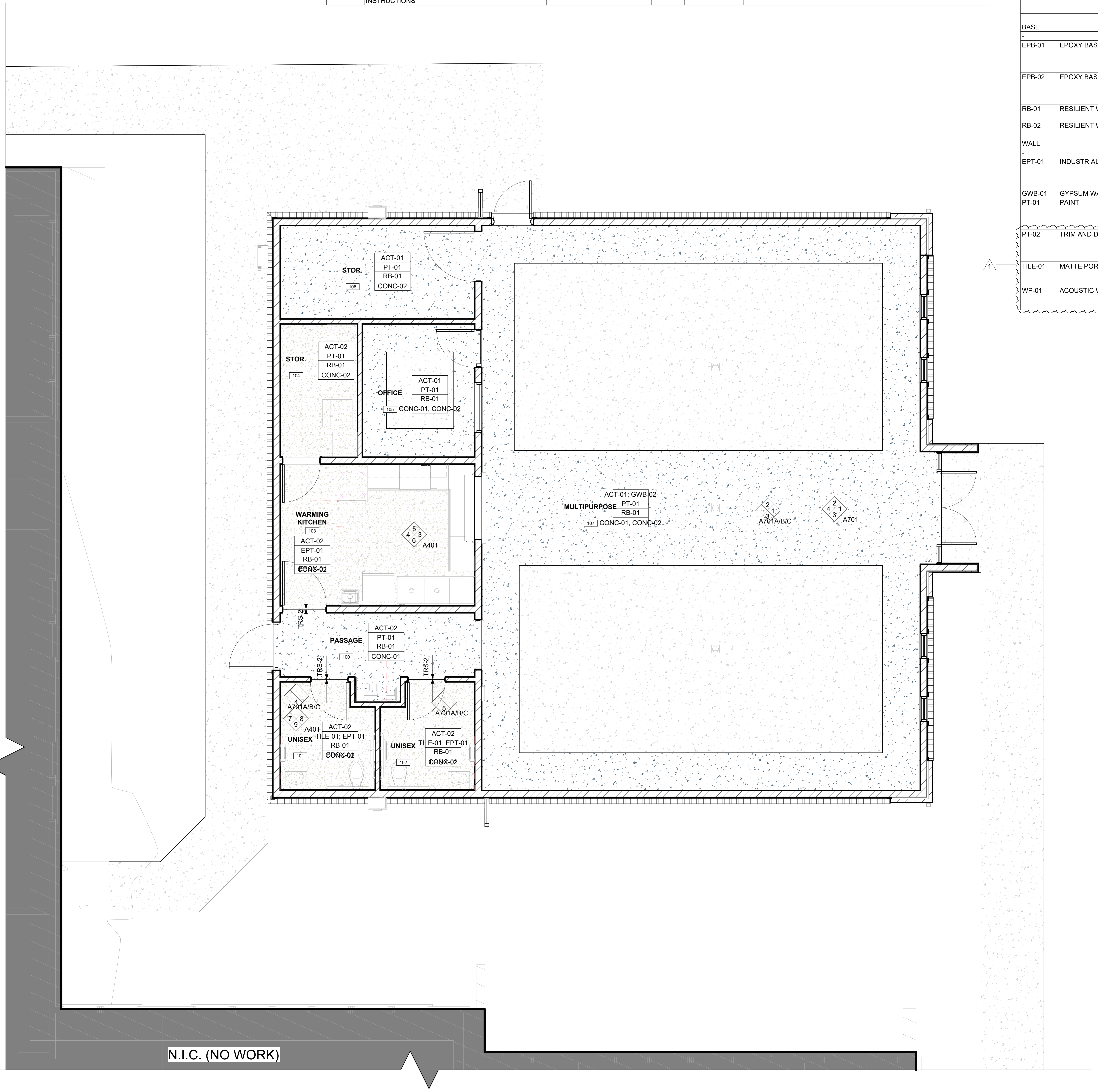
4	PLAN WALL TYPES TAKE PRECEDENCE OVER SCHEDULED WALL FINISH. PROVIDE APPROPRIATE WALL FINISH TO CORRESPOND TO WALL TYPES.						
5	PROVIDE MOLD AND MOISTURE RESISTANT GWB WHERE GWB WALL AND CEILING MATERIAL IS CALLED FOR IN TOILET ROOMS, BATHROOMS, LOCKER ROOMS, SHOWERS, LAUNDRY ROOMS, KITCHENS, AND CUSTODIAL CLOSETS.						
6	PROVIDE SEALANT AT INTERSECTINOS OF DISSIMILAR MATERIALS. PROVIDE SEALANT WHERE RECOMMENDED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS						

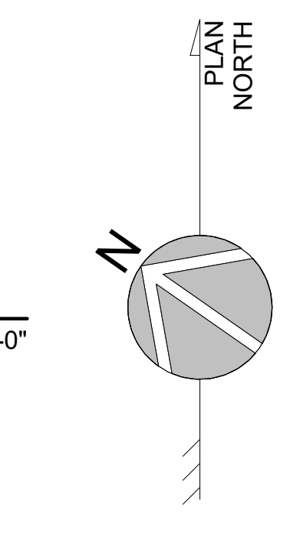
MATERIAL FINISH SCHEDULE LEGEND

KEY NAME	DESCRIPTION	MANUFACTURER/CONTACT	SPEC. REF	PRODUCT	COLOR/FINISH	SIZE	COMMENTS
PLAM-01	PLASTIC LAMINATE	WILSONART; LIBBY STANTON; [E] LIBBY.STANTON@WILSONART.COM; [P] 281-682-3462		8275K-05 CHERRY PB SIENNA	TIMBERGRAIN FINISH	VIF	
SCWD	SOLID CORE WOOD DOOR W/PREFINISH VENEER	SEE COMMENTS	081400	STAINED TO MATCH MINWAX FALLEN CYPRESS	MATTE SHEEN/FINISH	N/A	GC TO SELECT AND SUBMIT TO DESIGNER FOR REVEIW; GC TO DETERMINE BEST FINISH SPEC FOR APPLICATION
SS-01	SOLID SURFACE	WILSONART; LIBBY STANTON; [E] LIBBY.STANTON@WILSONART.COM; [P] 281-682-3462		9222SS	TITANIUM GRAY	VIF	
FLOOR							
CONC-01	CONCRETE WITH SEALER/HARDENER	RETROPLATE SYSTEM; JIM BRUNSON [E] JIMBRUNSON@BESSCO365.COM	033511	POLISHED CONCRETE	TOPAZ; CLASS B AGGREGATE; LEVEL 3 POLISHED	VARIES	
CONC-02	CONCRETE WITH SEALER/HARDENER	RETROPLATE SYSTEM; JIM BRUNSON [E] JIMBRUNSON@BESSCO365.COM	033511	POLISHED CONCRETE	CONCRETE GRAY; CLASS B AGGREGATE; LEVEL 3 POLISHED	VARIES	
EPOX-01	EPOXY FLAKE	STONHARD; PAULINE HABER [E] PAULINE.HABER@STONHARD.COM, [P] 854-214-0963	096700	STONTEC	SHENANDOAH BLUFF; LARGE FLAKES	VARIES	
EPOX-02	EPOXY FLAKE	STONHARD; PAULINE HABER [E] PAULINE.HABER@STONHARD.COM, [P] 854-214-0963		STONTEC	SHENANDOAH BLUFF; LARGE FLAKES		
TRS-1	TRANSITION STRIP	SCHLUTER SYSTEMS; TYLER HERBERT; [E] THERBERT@SCHLUTER.COM; [P] 980-402-2785		Schluter®-VINPRO-T	BRUSHED CHROME ANODIZED	14MM W	
TRS-2	TRANSITION STRIP	SCHLUTER SYSTEMS; TYLER HERBERT; [E] THERBERT@SCHLUTER.COM; [P] 980-402-2785		Schluter®-VINPRO-U	BRUSHED CHROME ANODIZED		
BASE							
-			-				
EPB-01	EPOXY BASE	STONHARD; PAULINE HABER [E] PAULINE.HABER@STONHARD.COM, [P] 854-214-0963	096700	STONTEC	SHENANDOAH BLUFF; LARGE FLAKES	4" H	
EPB-02	EPOXY BASE	STONHARD; PAULINE HABER [E] PAULINE.HABER@STONHARD.COM, [P] 854-214-0963		STONTEC	SHENANDOAH BLUFF; LARGE FLAKES	4"H	
RB-01	RESILIENT WALL BASE	ROPPE	096500	VINYL WALL BASE	CALLA LILY 695	4" H	
RB-02	RESILIENT WALL BASE	ROPPE	096500				MATCH TO EXISTING
WALL							
-							
EPT-01	INDUSTRIAL HIGH PERFORMANCE EPOXY	SHERWIN WILLIAMS; STEVE GOODE; [E] STEVEN.R.GOODE@SHERWIN.COM; [P] 980-207-9410		SEE COMMENTS	PURE WHITE SW 7005; GLOSS		CFCI; GC TO DETERMINE APPROPRIATE PRODUCT FOR INTENDED APPLICATION. USE MFR RECOMMENDED PRIMER
GWB-01	GYPSUM WALL BOARD		092116				
PT-01	PAINT	SHERWIN WILLIAMS; STEVE GOODE; [E] STEVEN.R.GOODE@SHERWIN.COM; [P] 980-207-9410	099000	SEE COMMENTS	PURE WHITE SW 7005; EGGSHELL	N/A	CFCI; GC TO DETERMINE APPROPRIATE PRODUCT FOR INTENDED APPLICATION. USE MFR RECOMMENDED PRIMER
PT-02	TRIM AND DOOR FRAME PAINT	SHERWIN WILLIAMS; STEVE GOODE; [E] STEVEN.R.GOODE@SHERWIN.COM; [P] 980-207-9410	099000	SEE COMMENTS	DRIFT OF MIST SW 9166; SATIN	N/A	CFCI; GC TO DETERMINE APPROPRIATE PRODUCT FOR INTENDED APPLICATION. USE MFR RECOMMENDED PRIMER
TILE-01	MATTE PORCELAIN TILE - ALT B	TILEBAR; ERIN SALIN [E] ESALIN@TILEBAR.COM, [P] 704-763-4251	093000	ERA	SILVER GRAY	12"x24"	
WP-01	ACOUSTIC WALL PANEL - ALT A	ACOUFELT; MARK VALENTI [E] MARK.VALENTI@ACOUFELT.COM, [P] 919-606-2466	098430	ACOUSTIC PANEL	DENIM DE09 OR STONEWASH ST72	SEE SHEET A701A/B	

1



1 GROUND FINISH PLAN
SCALE: 1/4" = 1'-0"



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PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

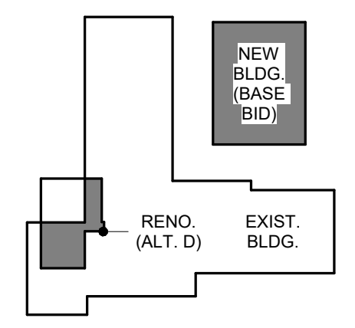
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

FLOOR FINISH PLAN
ALTERNATE

KEY MAP



ISSUE BLOCK

Mark	Date	Description
1	Date 1	Revision 1

PROJECT NO:	2026017.00
DATE:	07.31.2026
SCALE:	As indicated
DRAWN BY: KMH	PROJ MGR: CMC

A402C

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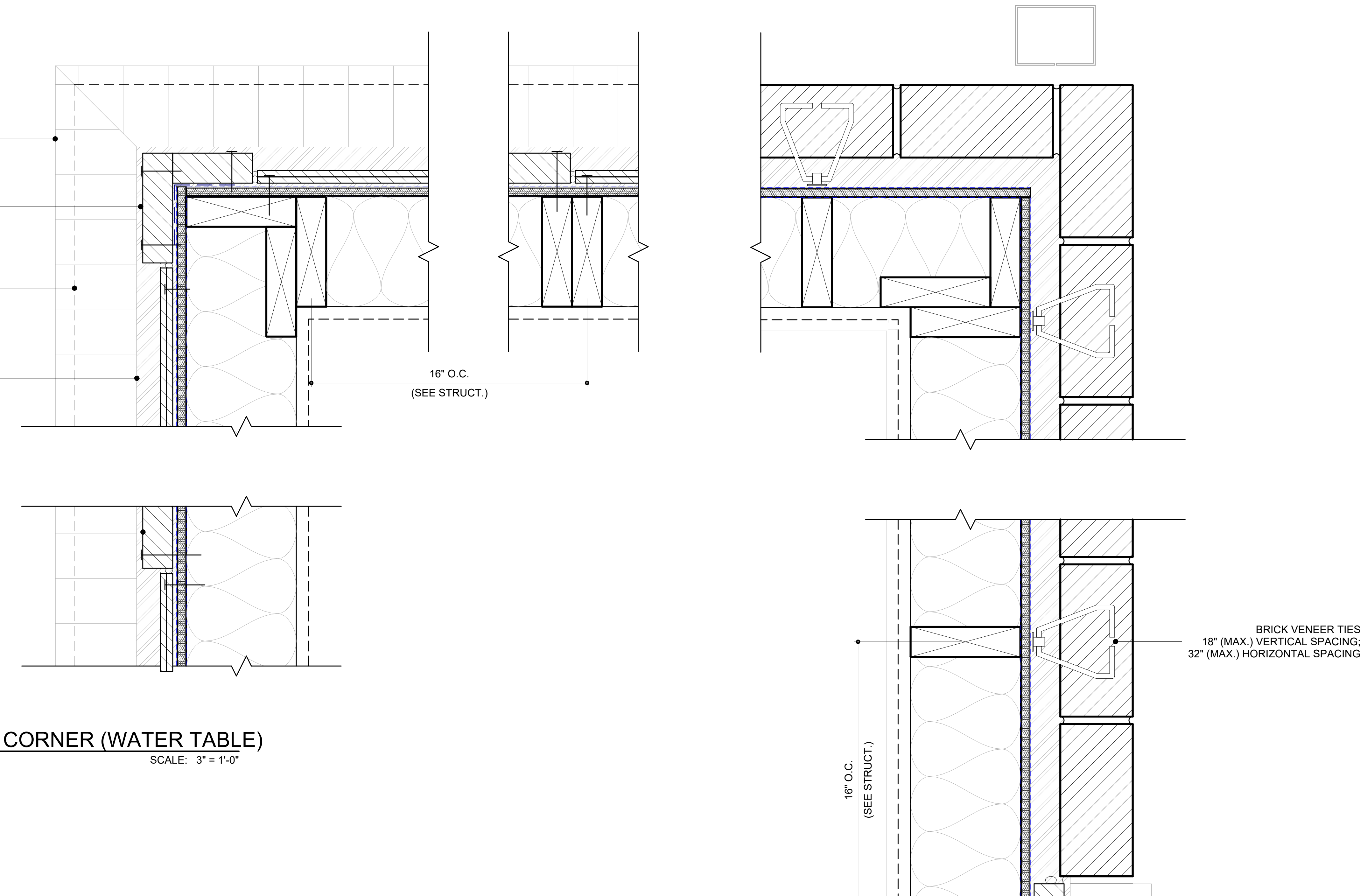
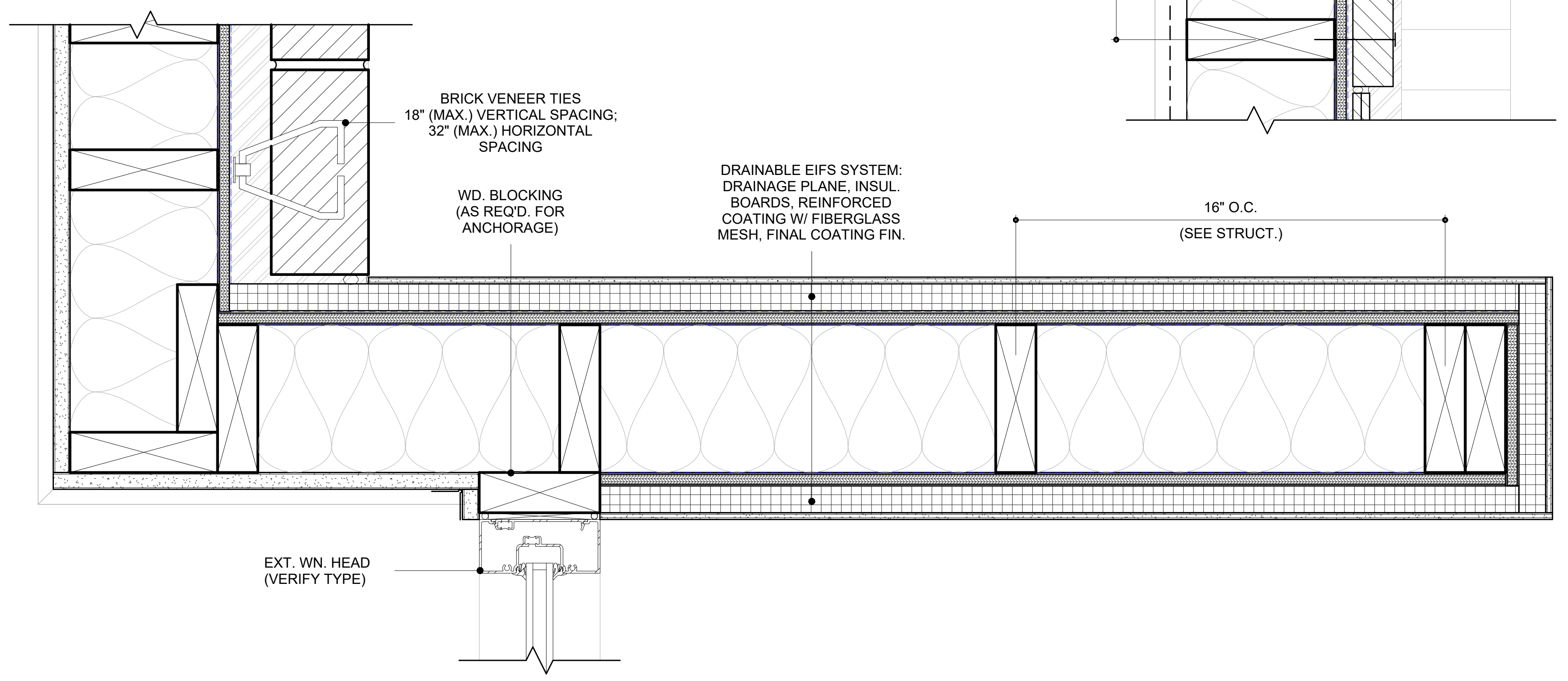

BRICK ROWLOCK SILL ABOVE MASONRY VENEER WATER TABLE
PRE-FIN. FIBER-CEMENT BOARD CORNER
FINISH EDGE OF MASONRY VENEER (BELOW)
FLASHING W/ DRIP EDGE (AS REQ'D.) (BELOW)
16" O.C.
(SEE STRUCT.)
PRE-FIN. 1X TRANSITION BOARD, TYP. AT BASE
BRICK VENEER TIES 18" (MAX.) VERTICAL SPACING; 32" (MAX.) HORIZONTAL SPACING
18" O.C. (SEE STRUCT.)

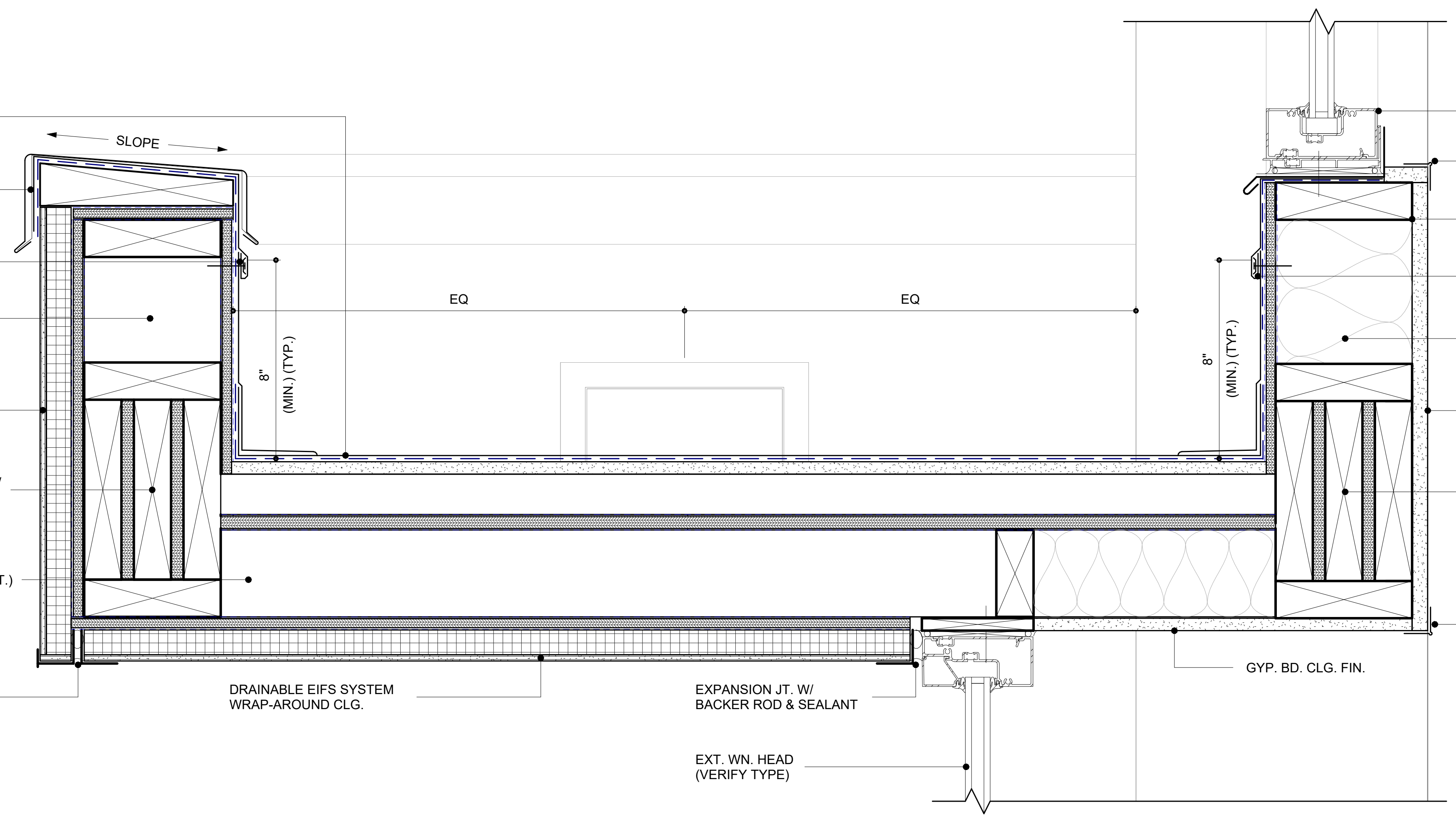
1 EXT. OUTSIDE CORNER (WATER TABLE)

SCALE: 3" = 1'-0"


BRICK VENEER TIES 18" (MAX.) VERTICAL SPACING; 32" (MAX.) HORIZONTAL SPACING
WD. BLOCKING (AS REQ'D. FOR ANCHORAGE)
DRAINABLE EIFS SYSTEM: DRAINAGE PLANE, INSUL. BOARDS, REINFORCED COATING W/ FIBERGLASS MESH, FINAL COATING FIN.
16" O.C.
(SEE STRUCT.)
EXT. WN. HEAD (VERIFY TYPE)

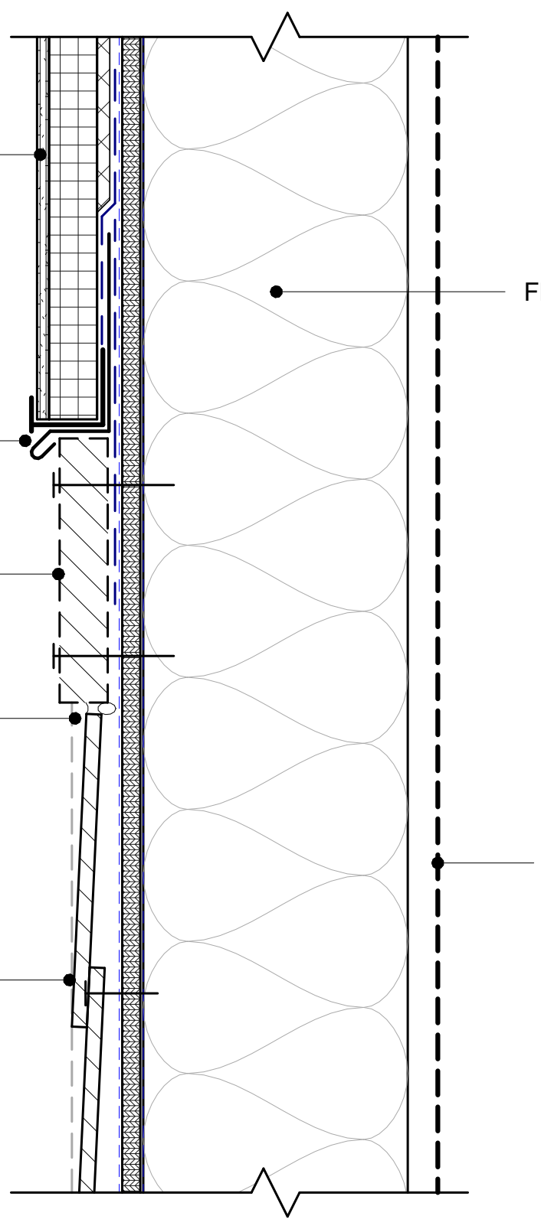
2 EIFS WING WALL DETAIL (TYP.)

SCALE: 3" = 1'-0"


ROOF TYPE (2) (SEE A001)
SLOPE
ALUM. PARAPET CAP W/ BLOCKING (AS REQ'.D) FOR PROPER SLOPE DRAINAGE
SPLIT FLASHING TERMINATION BAR
(2X6) WD. STUDS @ (16") O.C. W/ (1/2") ZIP SYSTEM WALL SHEATHING (BOTH SIDES) (SEE STRUCT.)
DRAINABLE EIFS SYSTEM: DRAINAGE PLANE, INSUL. BOARDS, REINFORCED COATING W/ FIBERGLASS MESH, FINAL COATING FIN.
TRIPLE (2X8) P-T. BUILT-UP WD. BEAM W/ (1/2") PLYWOOD FILLERS (SEE STRUCT.)
(2X4) FRAMING @ (16") O.C. (SEE STRUCT.)
EXPANSION JT. W/ BACKER ROD & SEALANT
DRAINABLE EIFS SYSTEM WRAP-AROUND CLG.
EXPANSION JT. W/ BACKER ROD & SEALANT
EXT. WN. HEAD (VERIFY TYPE)
8" (MIN.) (TYP.)
EQ
EQ
8" (MIN.) (TYP.)
GYP. BD. CLG. FIN.
EXT. WN. SILL (VERIFY TYPE)
STRUCT. CORNER BEAD (TYP.)
(2X6) WD. SILL W/ WRAP-AROUND GYP. BD. FIN.
SPLIT FLASHING TERMINATION BAR
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
GYP. BD. FIN.
TRIPLE (2X8) P-T. BUILT-UP WD. BEAM W/ (1/2") PLYWOOD FILLERS (SEE STRUCT.)
STRUCT. CORNER BEAD (TYP.)

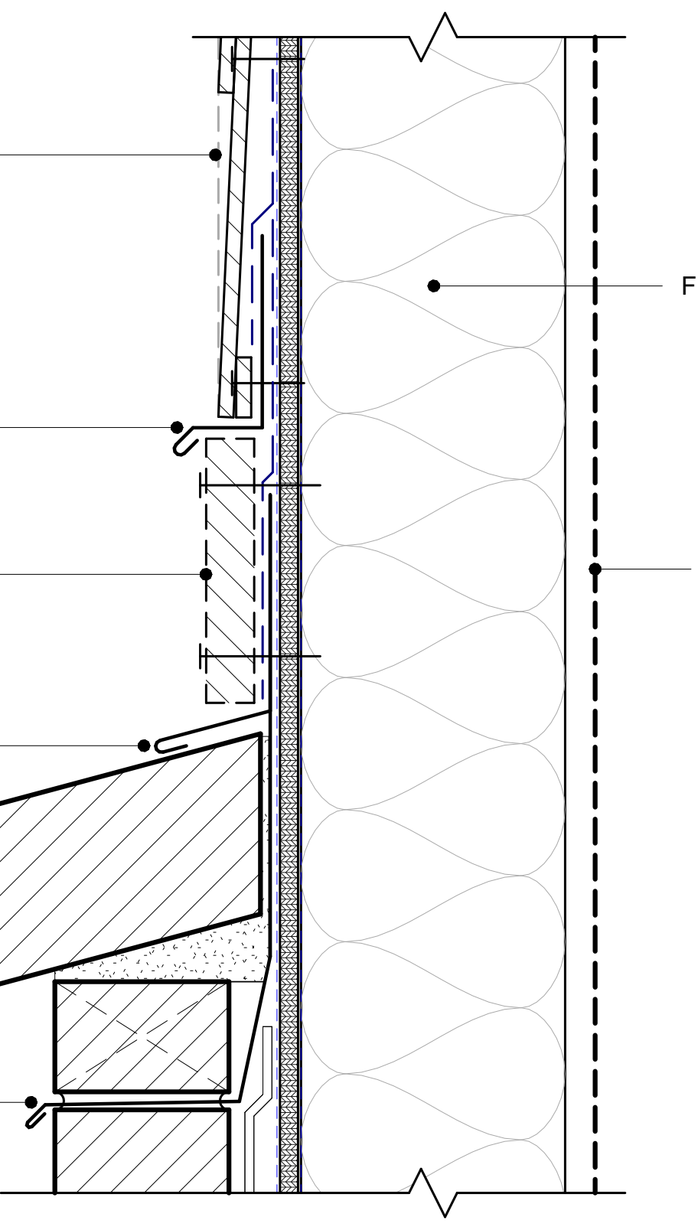
3 ENTRANCE OVERHANG DETAIL

SCALE: 3" = 1'-0"


EXTERIOR FINISH (SEE ELEV.)
S-STL. MTL. FLASHING W/ DRIP EDGE / EXTRUSION TRIM
PRE-FIN. TRANSITION BOARD W/ S-STL. MTL. FLASHING (AS REQ'D. FOR DIFFERENT MATERIALS)
BACKER ROD & SEALANT (AS REQ'D.)
EXTERIOR FINISH (SEE ELEV.)
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
INT. FIN. (SEE SCHED.)

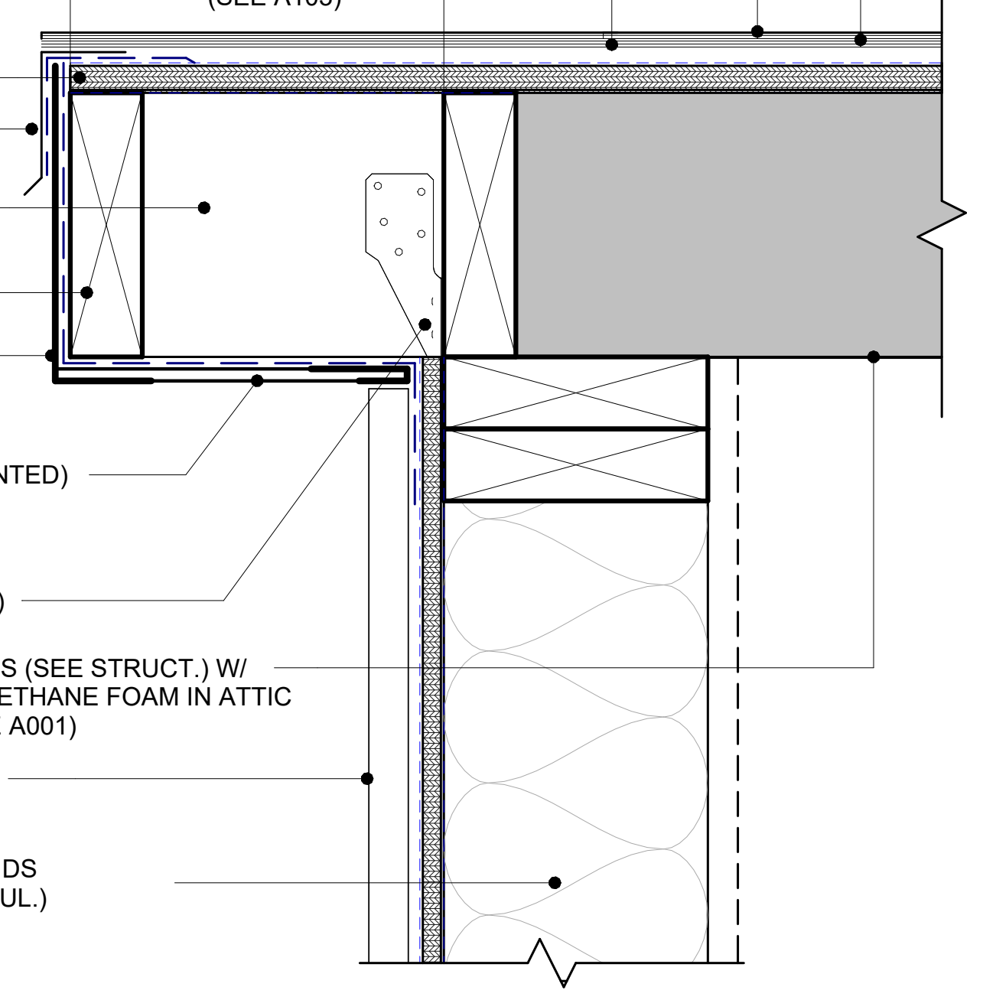
4 MATERIAL TRANSITION DETAIL (TYP.)

SCALE: 3" = 1'-0"


EXTERIOR FINISH (SEE ELEV.)
S-STL. MTL. FLASHING W/ DRIP EDGE
PRE-FIN. TRANSITION BOARD W/ S-STL. MTL. FLASHING (AS REQ'D. FOR DIFFERENT MATERIALS)
S-STL. MTL. FLASHING W/ DRIP EDGE
BRICK ROWLOCK SILL OVER MORTAR BOND TO WATER TABLE
S-STL. MTL. THRU-WALL FLASHING W/ DRIP EDGE & WEEP VENTS @ (24") O.C.
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
INT. FIN. (SEE SCHED.)

5 ROWLOCK SILL DETAIL (TYP.)

SCALE: 3" = 1'-0"


PROVIDE ICE & WATER SHIELD AT ALL ROOF EDGES AND INTERSECTIONS (SEE A103)
ARCHITECTURAL SHINGLES (SEE A103)
ROOF UNDERLAYMENT (AS REQ'D.)
12" - 24" O.H. (TYP.)
(SEE A103)
EXT. GRADE PLYWOOD ROOF SHEATHING (SEE STRUCT.)
PROVIDE S-STL. MTL. DRIP EDGE FLASHING (TYP.)
2X OUTRIGGER OR CHORD EXTENSION (SEE STRUCT.)
CONT. P-T. 2X SUB-FASCIA
PRE-FIN. F.C. FASCIA TRIM
VINYL SOFFIT PANEL (NON-VENTED)
HURRICANE TIE (SEE STRUCT.)
PRE-ENGINEERED ROOF TRUSS (SEE STRUCT.) W/ CLOSED-CELL SPRAY POLYURETHANE FOAM IN ATTIC SPACE (FILL TOP CHORD) (SEE A001)
EXT. WALL FINISH (SEE ELEV.) (COLOR T.B.S. BY OWNER)
EXPOSED TO INT. 2X6 WD. STUDS (PROVIDE R-13 (MIN.) BATT INSUL.)

6 RAKE DETAIL (TYP.)

SCALE: 3" = 1'-0"

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PROJECT RECORD SEAL

STATE OF SOUTH CAROLINA
ERNEST W. OLDS
WILMINGTON, NC
10151
REGISTERED ARCHITECT

7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

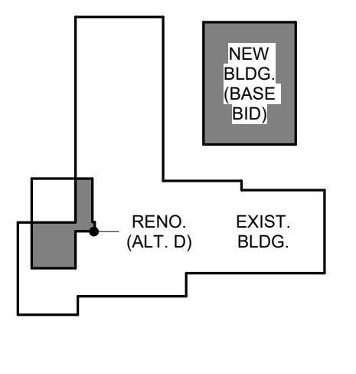
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

ENLARGED DETAILS

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH
PROJ MGR: CMC

A501

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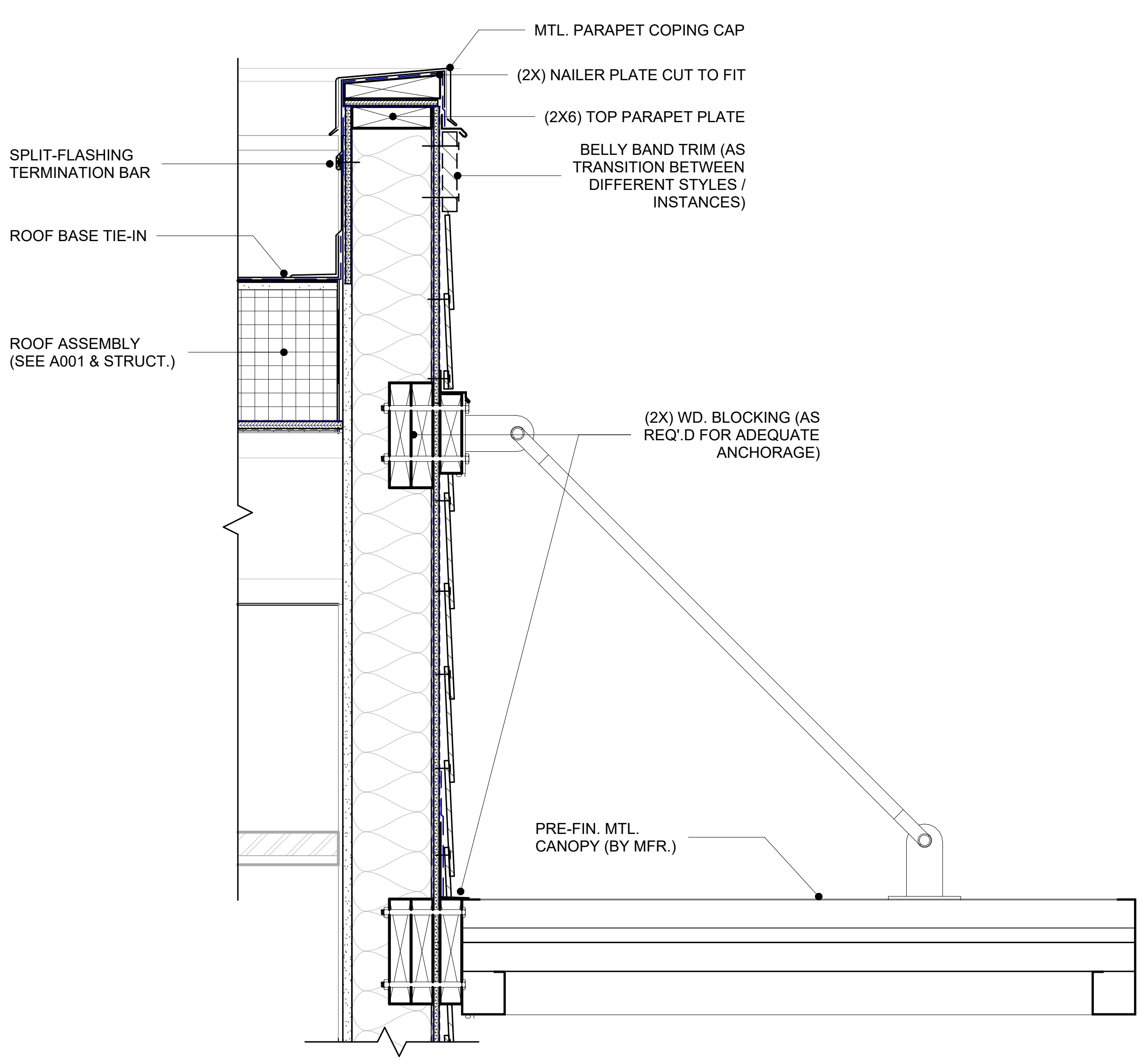
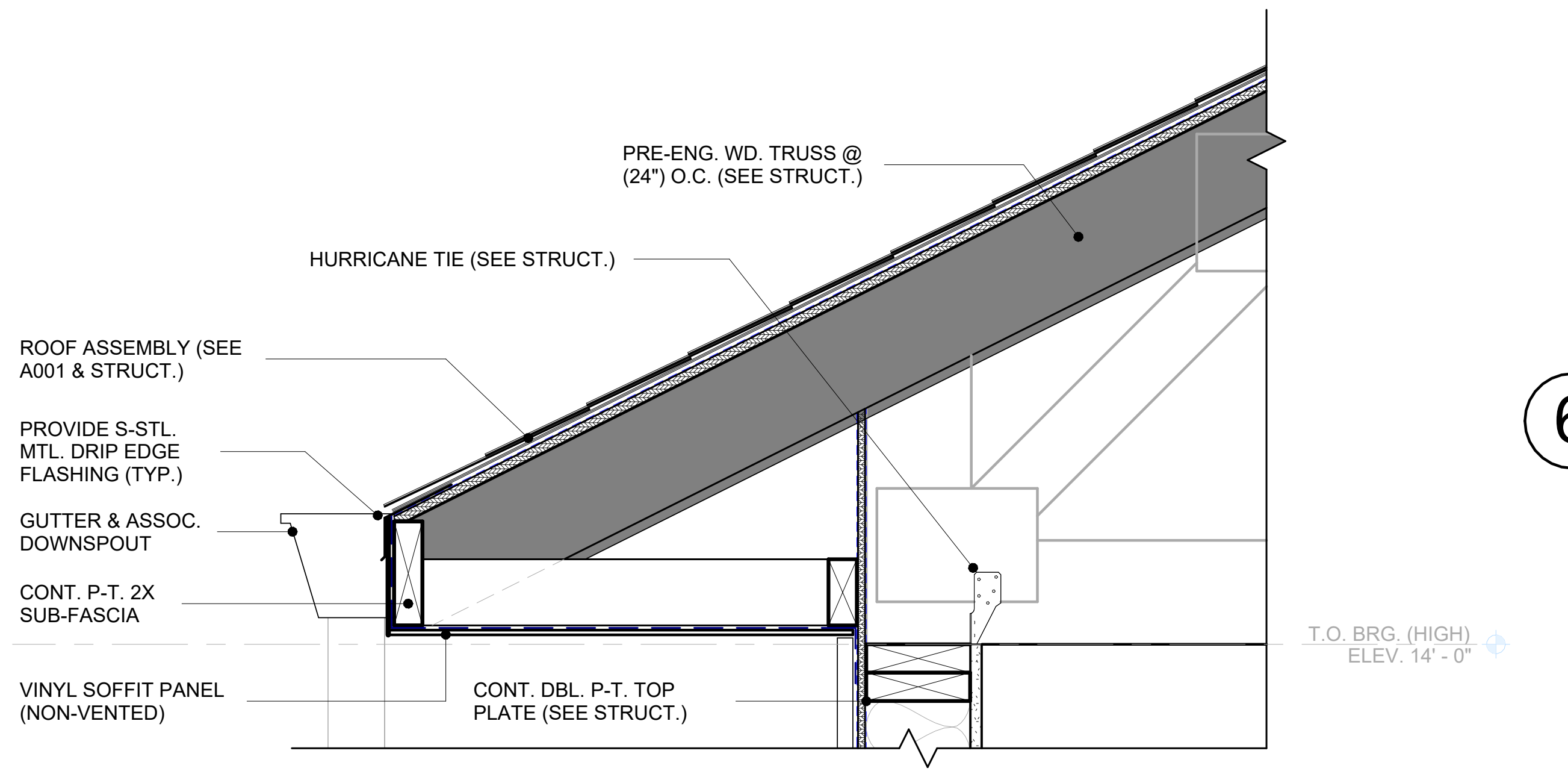

MTL. PARAPET COPING CAP
(2X) NAILER PLATE CUT TO FIT
(2X6) TOP PARAPET PLATE
BELLY BAND TRIM (AS TRANSITION BETWEEN DIFFERENT STYLES / INSTANCES)
SPLIT-FLASHING TERMINATION BAR
ROOF BASE TIE-IN
ROOF ASSEMBLY (SEE A001 & STRUCT.)
(2X) WD. BLOCKING (AS REQ'.D FOR ADEQUATE ANCHORAGE)
PRE-FIN. MTL. CANOPY (BY MFR.)

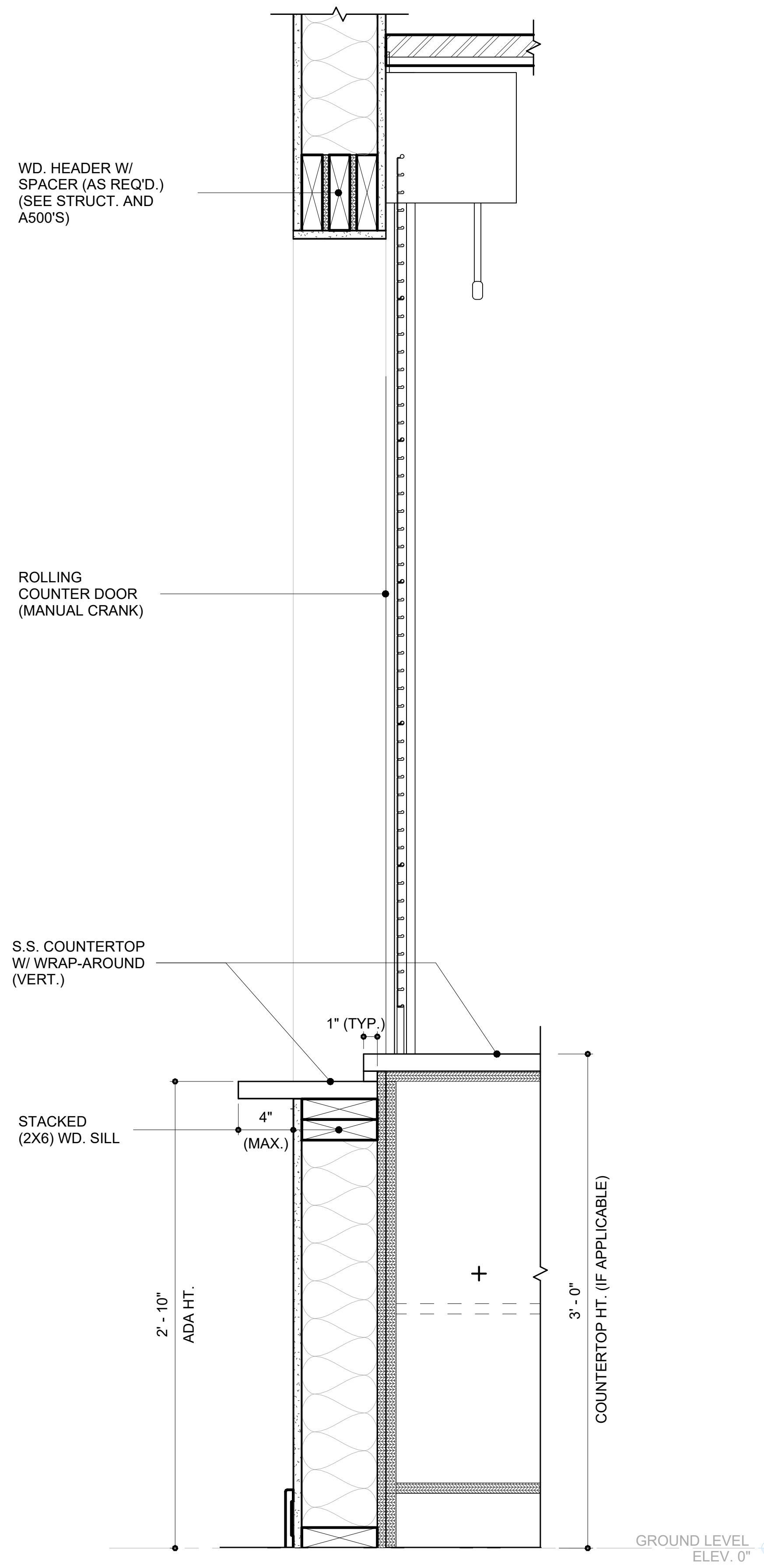
4 MTL. CANOPY DETAIL (TYP.)

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


PRE-ENG. WD. TRUSS @ (24") O.C. (SEE STRUCT.)
HURRICANE TIE (SEE STRUCT.)
ROOF ASSEMBLY (SEE A001 & STRUCT.)
PROVIDE S-STL. MTL. DRIP EDGE FLASHING (TYP.)
GUTTER & ASSOC. DOWNSPOUT
CONT. P-T. 2X SUB-FASCIA
VINYL SOFFIT PANEL (NON-VENTED)
CONT. DBL. P-T. TOP PLATE (SEE STRUCT.)
T.O. BRG. (HIGH) ELEV. 14' - 0"

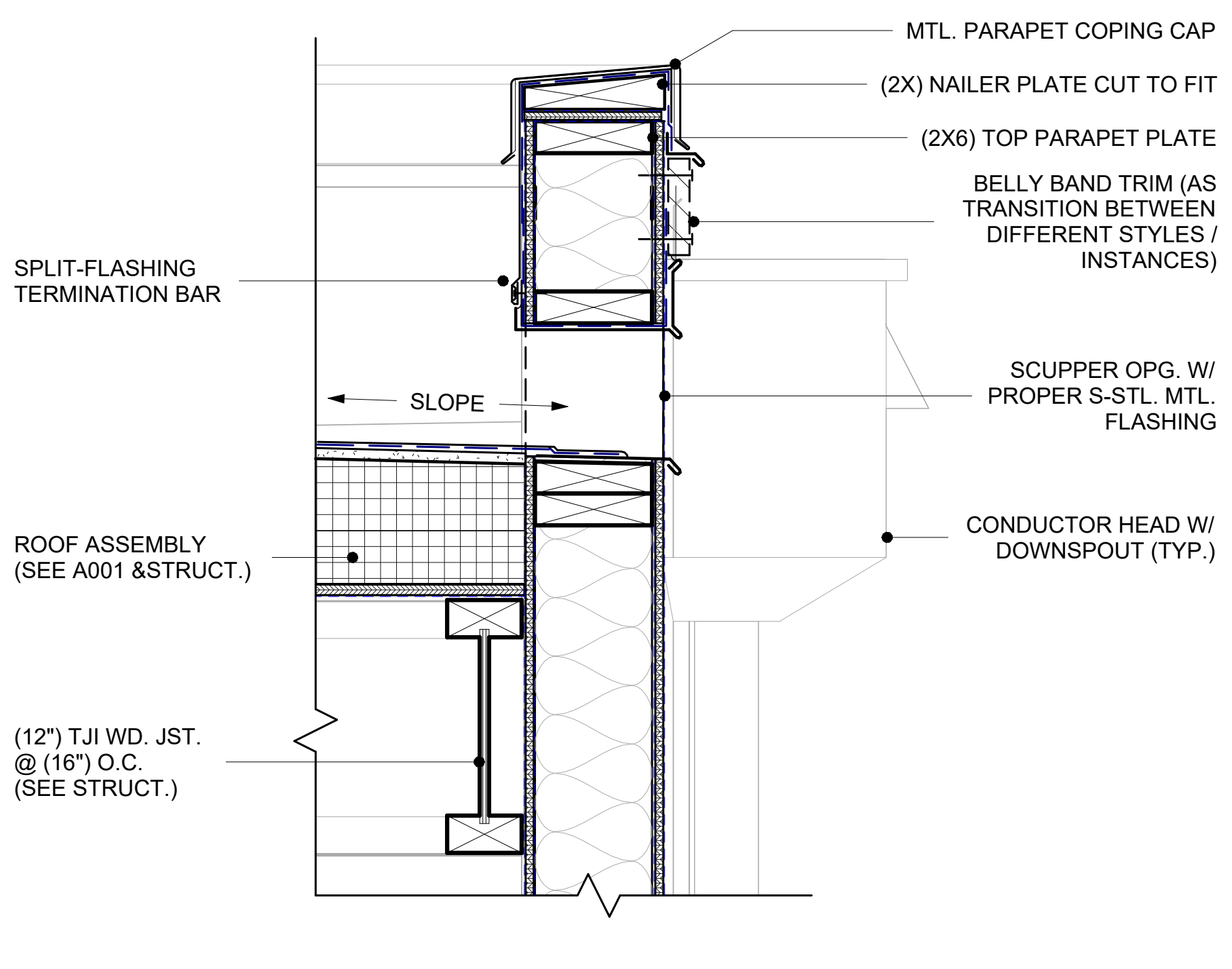
5 EAVE DETAIL (TYP.)

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


WD. HEADER W/ SPACER (AS REQ'D.) (SEE STRUCT. AND A500'S)
ROLLING COUNTER DOOR (MANUAL CRANK)
S.S. COUNTERTOP W/ WRAP-AROUND (VERT.)
1" (TYP.)
STACKED (2X6) WD. SILL
4" (MAX.)
2' - 10" ADA HT.
3' - 0" COUNTERTOP HT. (IF APPLICABLE)
GROUND LEVEL ELEV. 0"

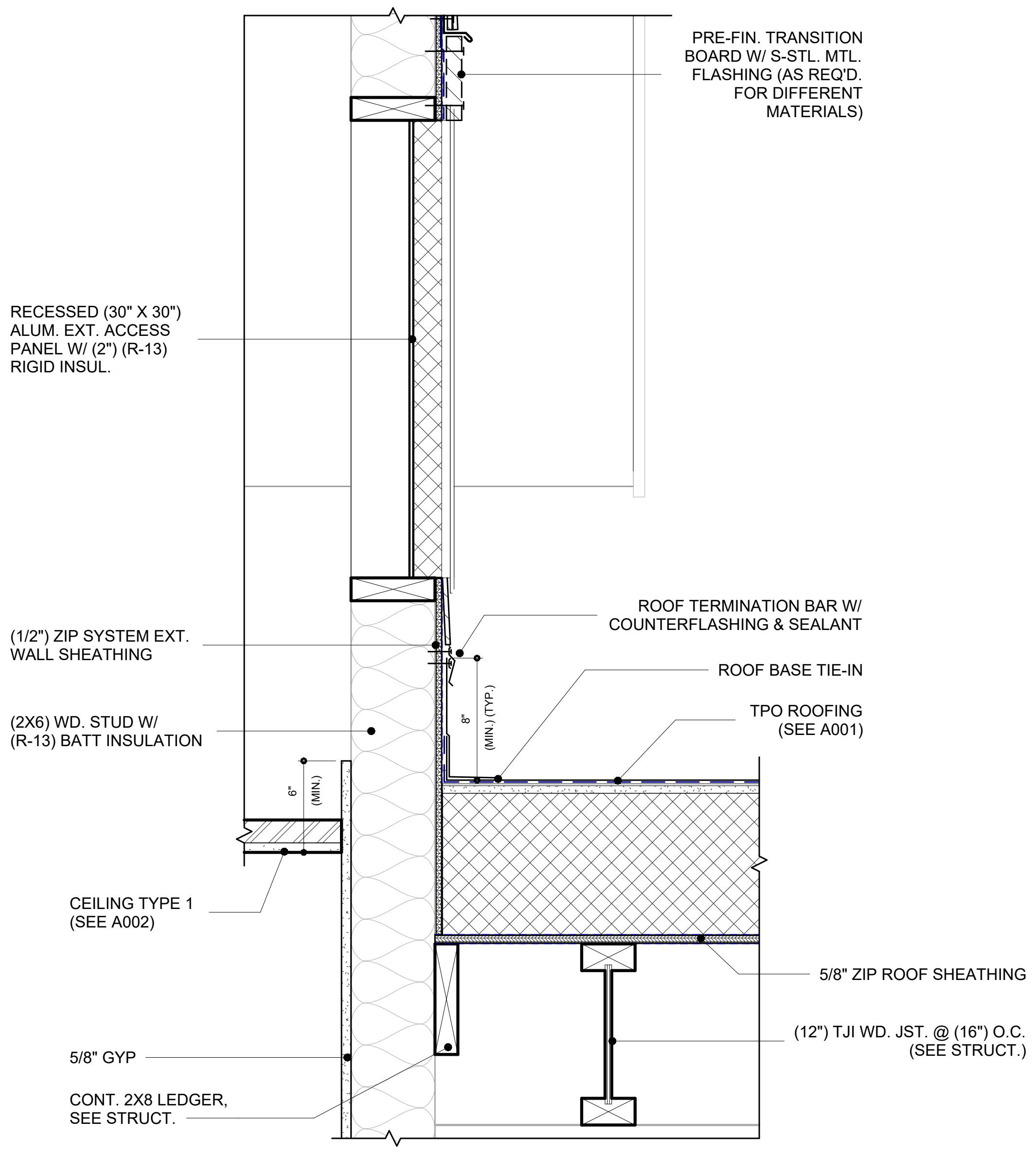
6 ROLLING COUNTER DOOR DETAIL

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


MTL. PARAPET COPING CAP
(2X) NAILER PLATE CUT TO FIT
(2X6) TOP PARAPET PLATE
BELLY BAND TRIM (AS TRANSITION BETWEEN DIFFERENT STYLES / INSTANCES)
SPLIT-FLASHING TERMINATION BAR
SLOPE
SCUPPER OPG. W/ PROPER S-STL. MTL. FLASHING
ROOF ASSEMBLY (SEE A001 &STRUCT.)
CONDUCTOR HEAD W/ DOWNSPOUT (TYP.)
(12") TJI WD. JST. @ (16") O.C. (SEE STRUCT.)

1 SCUPPER @ PARAPET DETAIL

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


PRE-FIN. TRANSITION BOARD W/ S-STL. MTL. FLASHING (AS REQ'D. FOR DIFFERENT MATERIALS)
RECESSED (30" X 30") ALUM. EXT. ACCESS PANEL W/ (2") (R-13) RIGID INSUL.
ROOF TERMINATION BAR W/ COUNTERFLASHING & SEALANT
(1/2") ZIP SYSTEM EXT. WALL SHEATHING
ROOF BASE TIE-IN
TPO ROOFING (SEE A001)
(2X6) WD. STUD W/ (R-13) BATT INSULATION
8" (MIN.) (TYP.)
6" (MIN.)
CEILING TYPE 1 (SEE A002)
5/8" ZIP ROOF SHEATHING
(12") TJI WD. JST. @ (16") O.C. (SEE STRUCT.)
5/8" GYP
CONT. 2X8 LEDGER, SEE STRUCT.

3 TERMINATION / ACCESS DR. DETAIL

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

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MORGAN
GROUP

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7 CLUSTERS COURT
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PROJECT RECORD SEAL

STATE OF SOUTH CAROLINA
ERNEST W. OLDS
WILMINGTON, NC
10151
REGISTERED ARCHITECT
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
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PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
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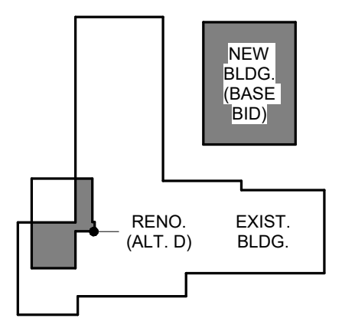
ISSUED: 07.31.2026

SHEET TITLE

ENLARGED DETAILS

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
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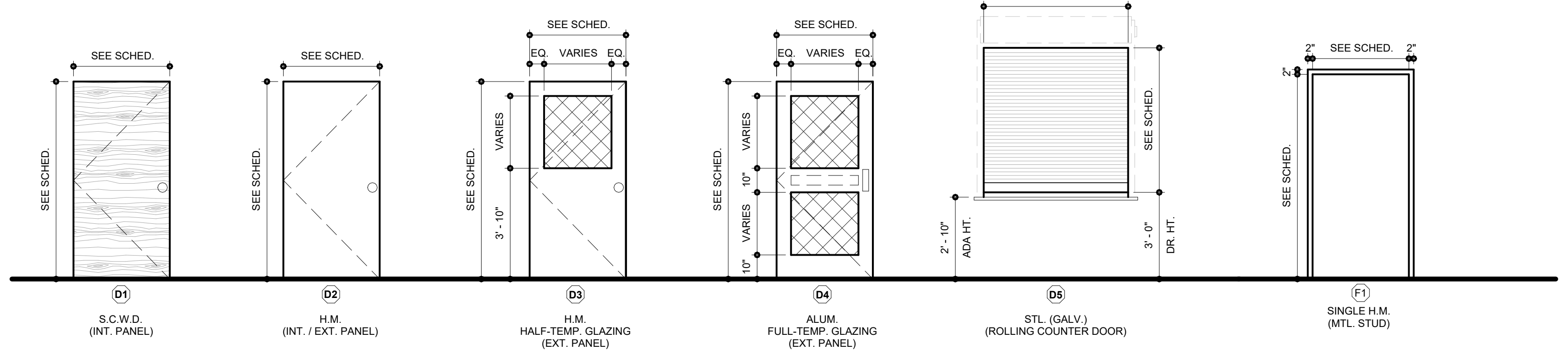
DRAWN BY: KMH
PROJ MGR: CMC

A502



DOOR / FRAME TYPES

DOOR SCHEDULE

MARK	DOOR SIZE WIDTH	DOOR SIZE HT	DOOR SIZE THICK	DOOR MATL	DOOR TYPE	DOOR FIN	DOOR GLAZ	FRAME MATL	FRAME TYPE	FRAME FIN	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	HDWE SET	COMMENTS
EXIST. BLDG (ALT. D)															
001	3' - 0"	7' - 0"	1 3/4"	SCWD	D1	SCWD	TEMP	HM	F1	PT-02	3/A601	4/A601	5/A601	05	
002	3' - 6"	7' - 0"	1 3/4"	-	-	-	-	HM	-	PT-02	S002	-	-	00	NEW STL. ANGLE LINTELS IN EXIST. WALL (SEE STRUCT.)
NEW BLDG.															
100A	3' - 6"	7' - 2"	1 3/4"	HM	D3	PT-01	TEMP	HM	F1	PT-02	8/A601	9/A601	7/A601	07	KEY PAD ACCESS
100B	4' - 0"	7' - 0"	1 3/4"	-	-	-	-	HM	F1	PT-02	-	-	-	00	CASED OPG.
101	3' - 0"	7' - 2"	1 3/4"	SCWD	D1	SCWD	-	HM	F1	PT-02	3/A601	4/A601	5/A601	04	
102	3' - 0"	7' - 2"	1 3/4"	SCWD	D1	SCWD	-	HM	F1	PT-02	3/A601	4/A601	5/A601	04	
103A	3' - 6"	7' - 2"	1 3/4"	SCWD	D1	SCWD	-	HM	F1	PT-02	3/A601	4/A601	5/A601	06	
103B	5' - 0"	5' - 0"	2"	STL.	D5	GALV.	-	STL.	-	GALV.	-	-	-	-	ROLLING COUNTER DOOR (MANUAL CRANK)
104	3' - 0"	7' - 2"	1 3/4"	SCWD	D1	SCWD	-	HM	F1	PT-02	3/A601	4/A601	5/A601	03	
105	3' - 0"	7' - 2"	1 3/4"	SCWD	D1	SCWD	TEMP	HM	F1	PT-02	3/A601	4/A601	5/A601	03	
106	4' - 0"	7' - 2"	1 3/4"	SCWD	D1	SCWD	-	HM	F1	PT-02	3/A601	4/A601	5/A601	03	
107A	5' - 10"	7' - 1"	1 3/4"	ALUM	D4	PT-01	IG	ALUM	SF-3	PT-02	3/A501	1/A601	2/A601	01	BUZZER / INTERCOM ACCESS; ADA PUSH-OPEN BUTTON
107B	3' - 0"	7' - 2"	1 3/4"	HM	D3	PT-01	TEMP	HM	F1	PT-02	8/A601	9/A601	7/A601	02	

RATED GLAZING & ASSEMBLY SCHEDULE

LOCATION	WALL RATING	DOOR			SIDELITE / TRANSOM			WINDOW	
		RATING	GLAZ. TYPE	GLAZ. RATING	RATING	GLAZ. TYPE	GLAZ. RATING	RATING	GLAZ. RATING
FIREWALL	3 HR	180 MIN	NONE	N/A	4 HR	FG-FR	W-180	FG-FR	W-180
FIRE BARRIER: STAIRWAYS	1 HR	60 MIN	FG-FP <= 100 SQ IN FG-FR >100 SQ IN	D-H-60 D-H-T-60 OR D-H-T-W-60	1 HR	FG-FR	W-60	FG-FR	W-60
FIRE BARRIER: OTHER (INCIDENTAL & MIXED USE	1 HR	45 MIN	FG-FP	D-H-NT-45	3/4 HR	FG-FP	D-H	FG-FP	OH-45 OR W-60
SMOKE BARRIER	1 HR	20 MIN	FG-FP	D-20	3/4 HR	FG-FP	D-H-OH-45	FG-FP	OH-45 OR W-60
EXTERIOR WALL, RATED	1 HR	45 MIN	FG-FR	D-H-45	3/4 HR	FG-FP	D-H-45	FG-FP	OH-45 OR W-60

NOTES:

1. PROVIDE FIRE GLAZING PER IBC SECTION 716, PER SPECIFICATIONS, AND AS NOTED ABOVE
2. PROVIDE SAFETY GLAZING PER IBC SECTION 2406.
3. REFER TO DOOR SCHEDULE, DOOR AND FRAME TYPES, STOREFRONT CURTAINWALL, AND H.M. FRAME TYPES.
4. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF RATED WALLS.

LEGEND:

FG-FR = FIRE RESISTANCE RATED GLAZING
FG-FP = FIRE PROTECTION RATED GLAZING

GLAZING LEGEND

1. ALL GLAZING TO BE ASSEMBLED AND PERFORM AS REQ'D. VIA CODE / AS INDICATED.
2. GLAZING SHALL RECEIVE SAFETY FEATURES AS REQ'D. VIA CODE / AS INDICATED.
3. ALL ALUM. STOREFRONT TO BE FIXED (U.N.O.)
4. ALL EXT. GLAZING SHALL BE INSUL. (IG)

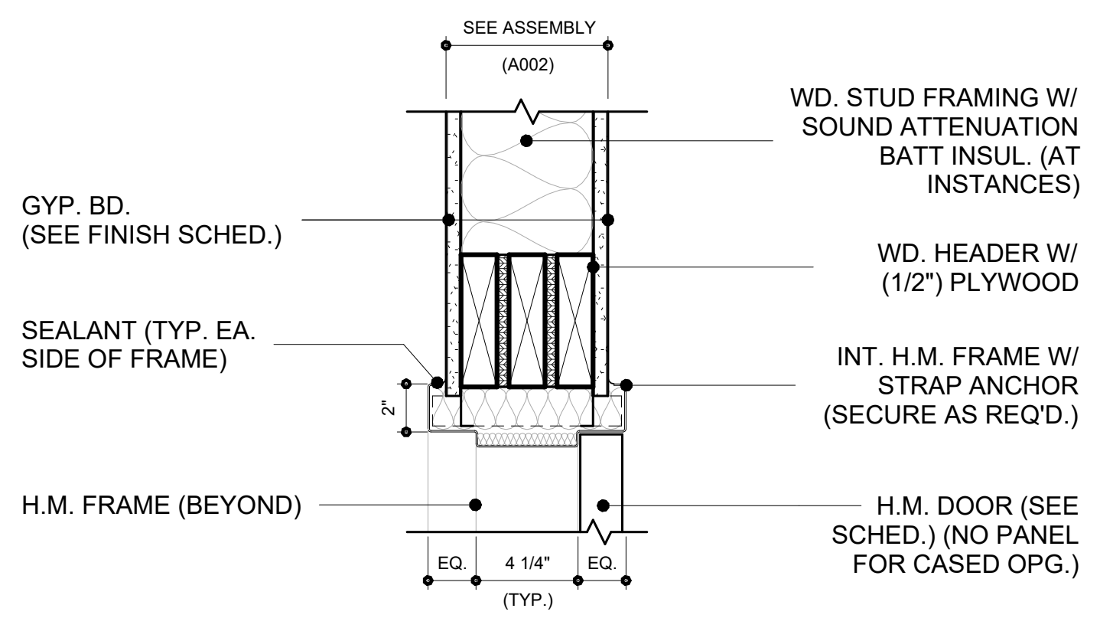
░	ANNEALED FLOAT
▩	TEMPERED SAFETY
■	LOW-E COATING (SURFACE #2)

DOOR SCHEDULE LEGEND

-	NONE (I.E., NOT APPLICABLE OR FACTORY FINISHED)
ALUM.	ALUMINUM
FG	FIRE PROTECTION/FIRE-RESISTANCE RATED GLAZING
H.M.	HOLLOW METAL
I.G.	INSULATED GLAZING
PT.	PAINTED
S.C.W.D.	SOLID CORE WOOD DOOR
S.F.	STOREFRONT
STL.	STEEL
TEMP.	TEMPERED GLAZING

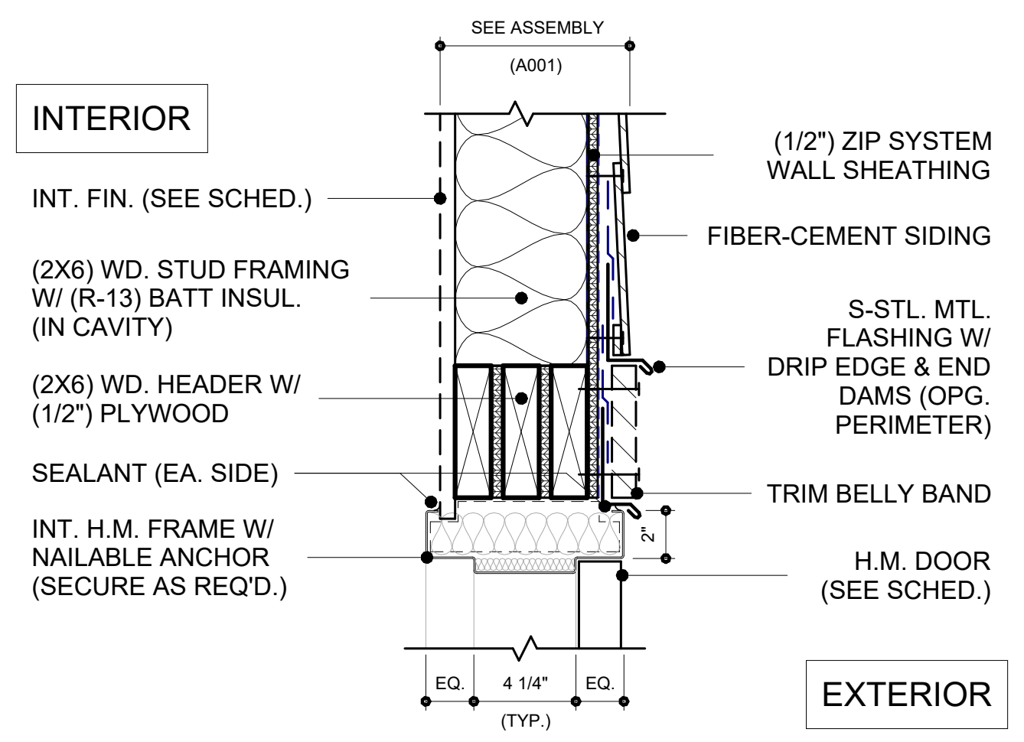
DOOR / WINDOW NOTES

1. SEE A601 FOR ALL DOOR / WINDOW HEAD / JAMB / SILL DETAILS.
2. REFER TO DOOR SCHEDULE FOR LOCATION AND TYPES.
3. REFER TO GLAZING LEGEND FOR ADDITIONAL GLAZING INFORMATION.
4. FINISH SELECTION / COLOR TO BEST MATCH EXISTING CONFERENCE CENTER, U.N.O.
5. ALL TYP. FLASHING INDICATED TO BE STAINLESS STEEL (U.N.O.)


SEE ASSEMBLY
(A002)
WD. STUD FRAMING W/ SOUND ATTENUATION BATT INSUL. (AT INSTANCES)
GYP. BD. (SEE FINISH SCHED.)
WD. HEADER W/ (1/2") PLYWOOD
SEALANT (TYP. EA. SIDE OF FRAME)
INT. H.M. FRAME W/ STRAP ANCHOR (SECURE AS REQ'D.)
2"
H.M. FRAME (BEYOND)
H.M. DOOR (SEE SCHED.) (NO PANEL FOR CASED OPG.)
EQ.
4 1/4"
EQ.
(TYP.)

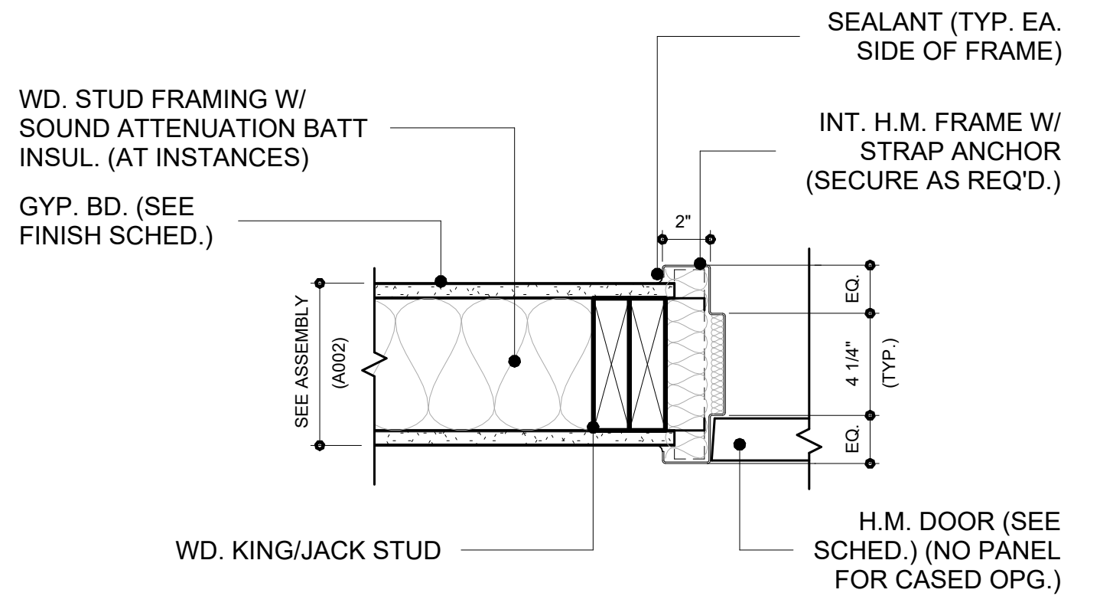
3 DR. HEAD DETAIL (TYP.)

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


SEE ASSEMBLY
(A001)
INTERIOR
(1/2") ZIP SYSTEM WALL SHEATHING
INT. FIN. (SEE SCHED.)
FIBER-CEMENT SIDING
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
S-STL. MTL. FLASHING W/ DRIP EDGE & END DAMS (OPG. PERIMETER)
(2X6) WD. HEADER W/ (1/2") PLYWOOD
SEALANT (EA. SIDE)
TRIM BELLY BAND
INT. H.M. FRAME W/ NAILABLE ANCHOR (SECURE AS REQ'D.)
2"
H.M. DOOR (SEE SCHED.)
EQ.
4 1/4"
EQ.
(TYP.)
EXTERIOR

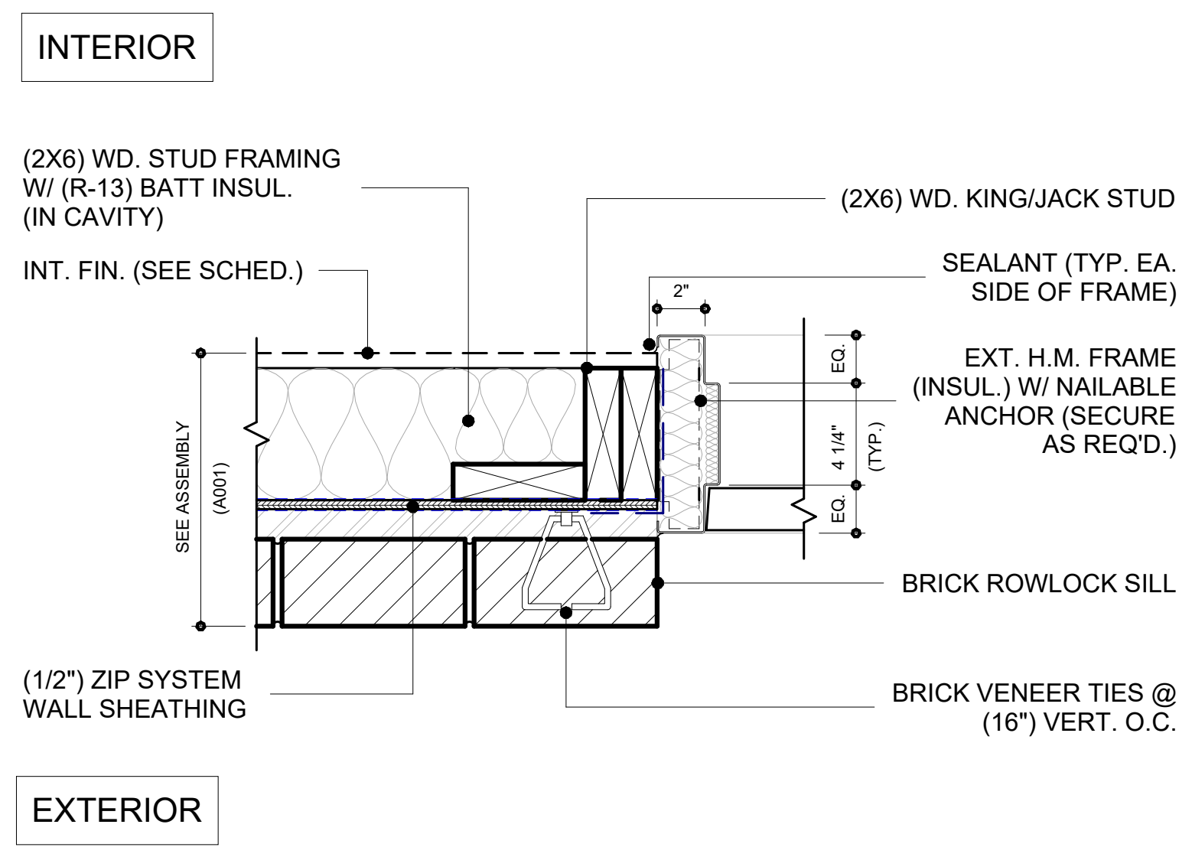
8 DR. HEAD DETAIL (TYP.)

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


SEALANT (TYP. EA. SIDE OF FRAME)
WD. STUD FRAMING W/ SOUND ATTENUATION BATT INSUL. (AT INSTANCES)
INT. H.M. FRAME W/ STRAP ANCHOR (SECURE AS REQ'D.)
GYP. BD. (SEE FINISH SCHED.)
2"
SEE ASSEMBLY
(A002)
EQ.
4 1/4"
(TYP.)
EQ.
WD. KING/JACK STUD
H.M. DOOR (SEE SCHED.) (NO PANEL FOR CASED OPG.)

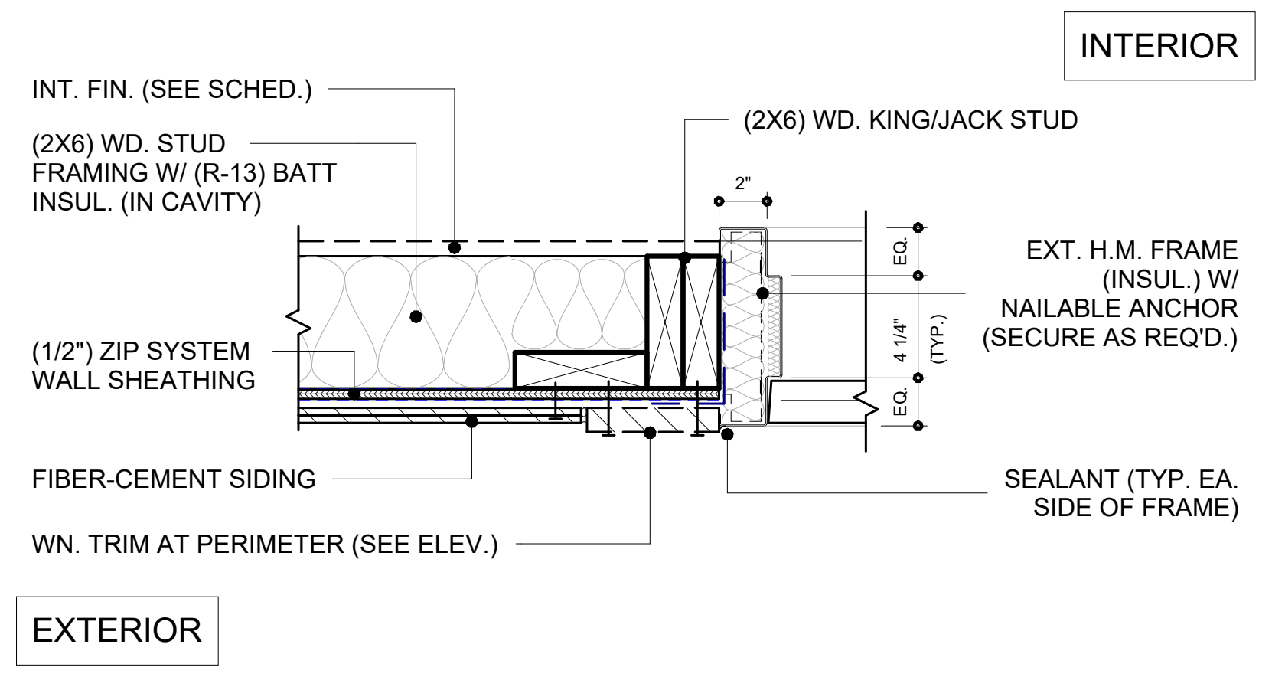
4 DR. JAMB DETAIL (TYP.)

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


INTERIOR
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
(2X6) WD. KING/JACK STUD
INT. FIN. (SEE SCHED.)
SEALANT (TYP. EA. SIDE OF FRAME)
2"
EXT. H.M. FRAME (INSUL.) W/ NAILABLE ANCHOR (SECURE AS REQ'D.)
SEE ASSEMBLY
(A001)
EQ.
4 1/4"
(TYP.)
EQ.
BRICK ROWLOCK SILL
(1/2") ZIP SYSTEM WALL SHEATHING
BRICK VENEER TIES @ (16") VERT. O.C.
EXTERIOR

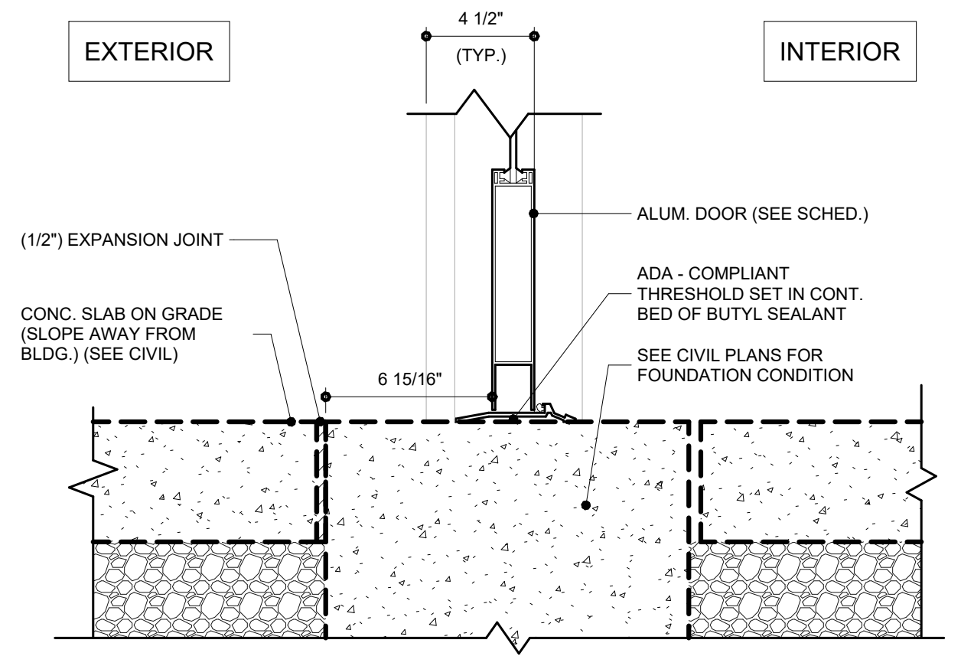
6 DR. JAMB DETAIL (TYP.)

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


INTERIOR
INT. FIN. (SEE SCHED.)
(2X6) WD. KING/JACK STUD
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
2"
EXT. H.M. FRAME (INSUL.) W/ NAILABLE ANCHOR (SECURE AS REQ'D.)
EQ.
4 1/4"
(TYP.)
EQ.
(1/2") ZIP SYSTEM WALL SHEATHING
FIBER-CEMENT SIDING
SEALANT (TYP. EA. SIDE OF FRAME)
WN. TRIM AT PERIMETER (SEE ELEV.)
EXTERIOR

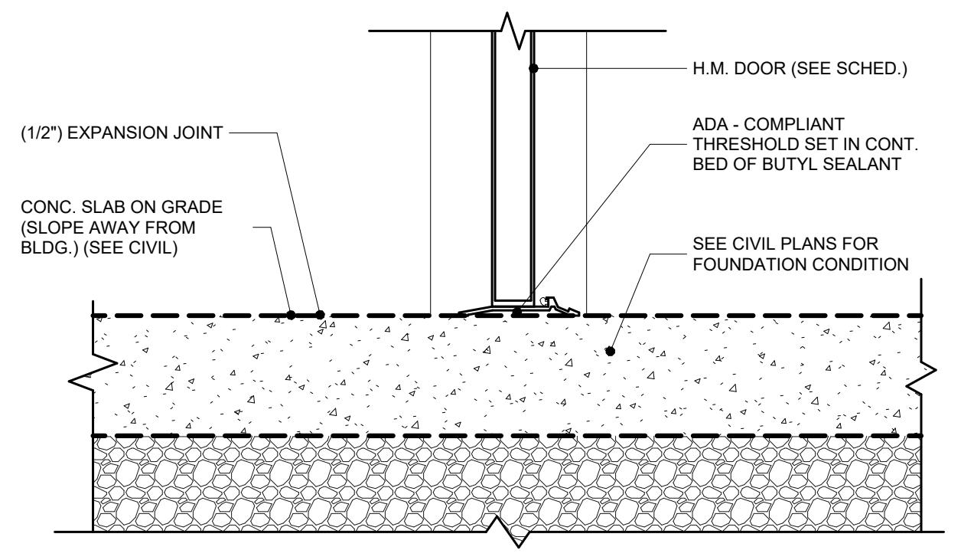
9 DR. JAMB DETAIL (TYP.)

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


EXTERIOR
4 1/2"
(TYP.)
INTERIOR
ALUM. DOOR (SEE SCHED.)
(1/2") EXPANSION JOINT
ADA - COMPLIANT THRESHOLD SET IN CONT. BED OF BUTYL SEALANT
CONC. SLAB ON GRADE (SLOPE AWAY FROM BLDG.) (SEE CIVIL)
SEE CIVIL PLANS FOR FOUNDATION CONDITION
6 15/16"

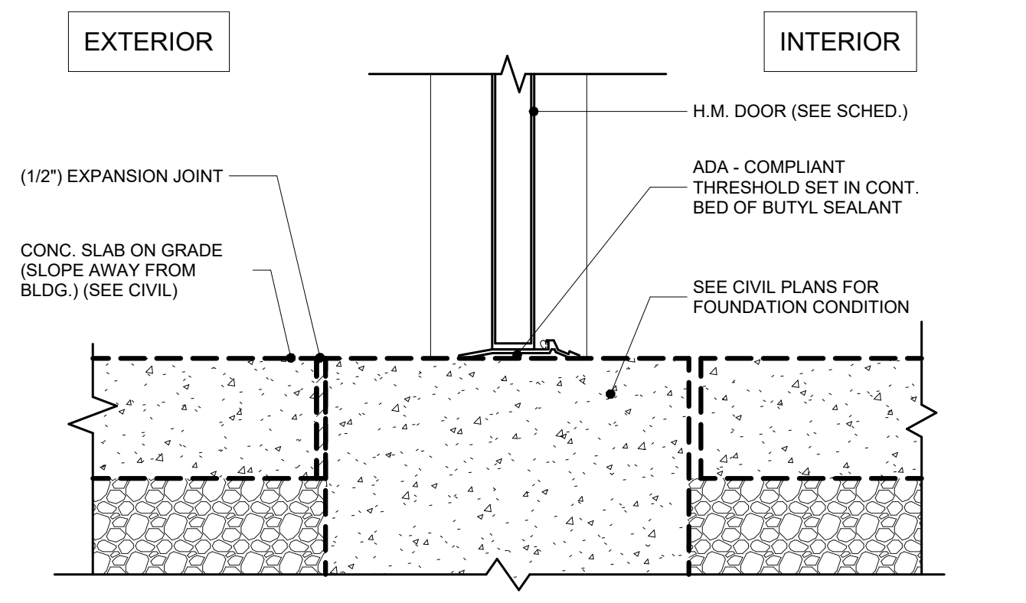
2 DR. THRESHOLD DETAIL (TYP.)

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


H.M. DOOR (SEE SCHED.)
(1/2") EXPANSION JOINT
ADA - COMPLIANT THRESHOLD SET IN CONT. BED OF BUTYL SEALANT
CONC. SLAB ON GRADE (SLOPE AWAY FROM BLDG.) (SEE CIVIL)
SEE CIVIL PLANS FOR FOUNDATION CONDITION

5 DR. THRESHOLD DETAIL (TYP.)

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


EXTERIOR
INTERIOR
H.M. DOOR (SEE SCHED.)
(1/2") EXPANSION JOINT
ADA - COMPLIANT THRESHOLD SET IN CONT. BED OF BUTYL SEALANT
CONC. SLAB ON GRADE (SLOPE AWAY FROM BLDG.) (SEE CIVIL)
SEE CIVIL PLANS FOR FOUNDATION CONDITION

7 DR. THRESHOLD DETAIL (TYP.)

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

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PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

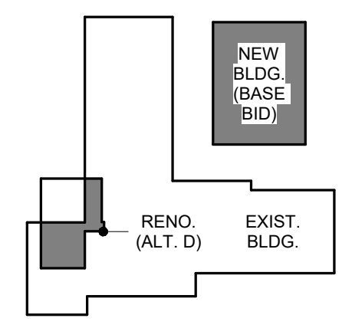
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

TYPES & DETAILS (DOOR)

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH PROJ MGR: CMC

A601

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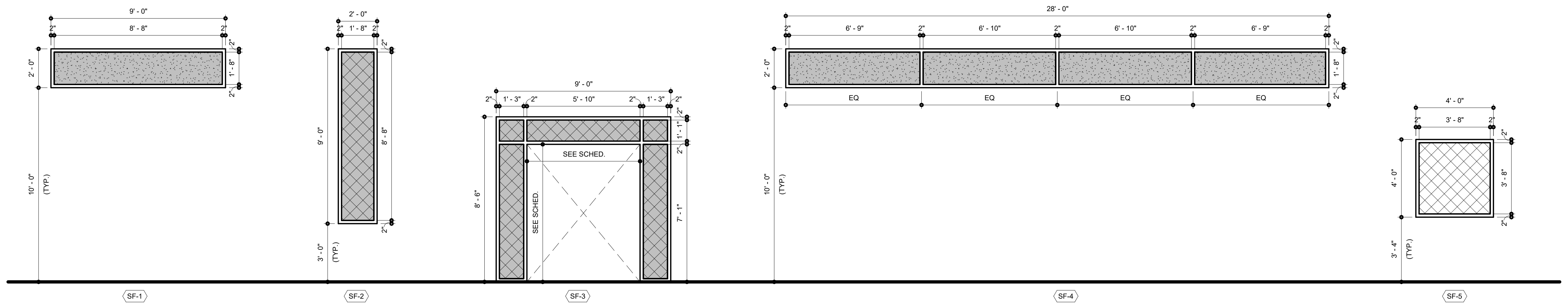


WINDOW TYPES

RATED GLAZING & ASSEMBLY SCHEDULE

LOCATION	WALL RATING	DOOR			SIDELITE / TRANSOM			WINDOW	
		RATING	GLAZ. TYPE	GLAZ. RATING	RATING	GLAZ. TYPE	GLAZ. RATING	RATING	GLAZ. RATING
FIREWALL	3 HR	180 MIN	NONE	N/A	4 HR	FG-FR	W-180	FG-FR	W-180
FIRE BARRIER: STAIRWAYS	1 HR	60 MIN	FG-FP <= 100 SQ IN FG-FR >100 SQ IN	D-H-60 D-H-T-60 OR D-H-T-W-60	1 HR	FG-FR	W-60	FG-FR	W-60
FIRE BARRIER: OTHER (INCIDENTAL & MIXED USE	1 HR	45 MIN	FG-FP	D-H-NT-45	3/4 HR	FG-FP	D-H	FG-FP	OH-45 OR W-60
SMOKE BARRIER	1 HR	20 MIN	FG-FP	D-20	3/4 HR	FG-FP	D-H-OH-45	FG-FP	OH-45 OR W-60
EXTERIOR WALL, RATED	1 HR	45 MIN	FG-FR	D-H-45	3/4 HR	FG-FP	D-H-45	FG-FP	OH-45 OR W-60

NOTES:

1. PROVIDE FIRE GLAZING PER IBC SECTION 716, PER SPECIFICATIONS, AND AS NOTED ABOVE
2. PROVIDE SAFETY GLAZING PER IBC SECTION 2406.
3. REFER TO DOOR SCHEDULE, DOOR AND FRAME TYPES, STOREFRONT CURTAINWALL, AND H.M. FRAME TYPES.
4. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF RATED WALLS.

LEGEND:

FG-FR = FIRE RESISTANCE RATED GLAZING
FG-FP = FIRE PROTECTION RATED GLAZING

GLAZING LEGEND

1. ALL GLAZING TO BE ASSEMBLED AND PERFORM AS REQ'D. VIA CODE / AS INDICATED.
2. GLAZING SHALL RECEIVE SAFETY FEATURES AS REQ'D. VIA CODE / AS INDICATED.
3. ALL ALUM. STOREFRONT TO BE FIXED (U.N.O.)
4. ALL EXT. GLAZING SHALL BE INSUL. (IG)

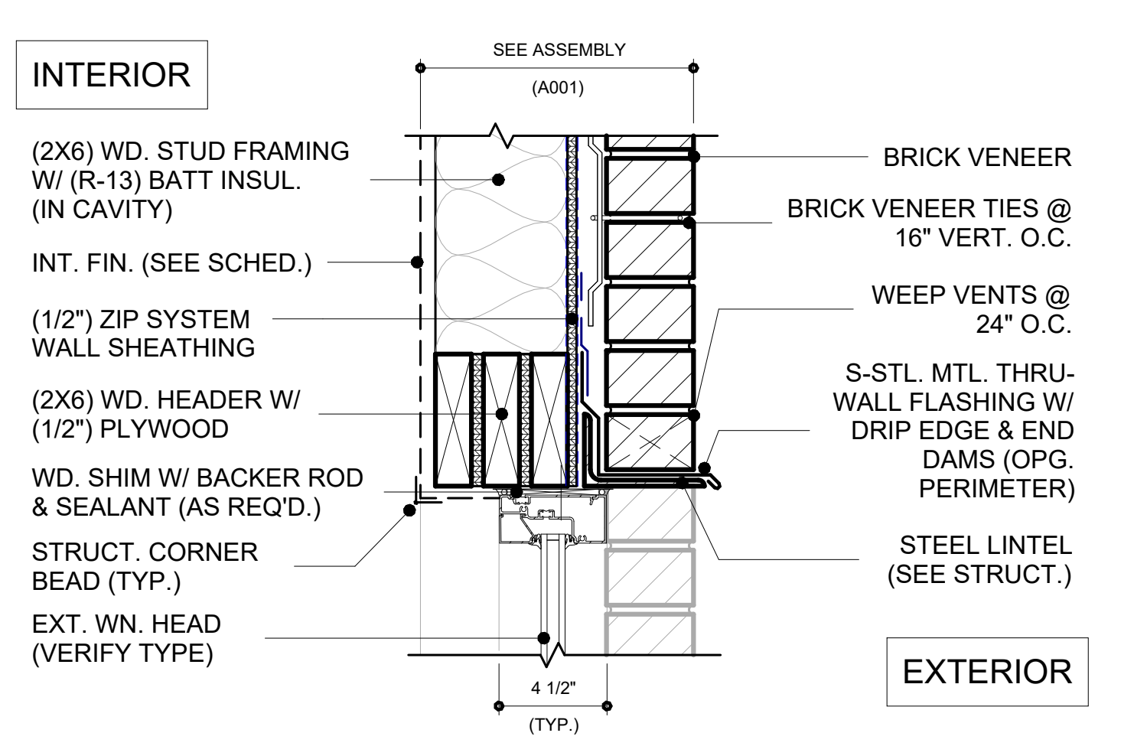
⬚	ANNEALED FLOAT
▨	TEMPERED SAFETY
■	LOW-E COATING (SURFACE #2)

DOOR SCHEDULE LEGEND

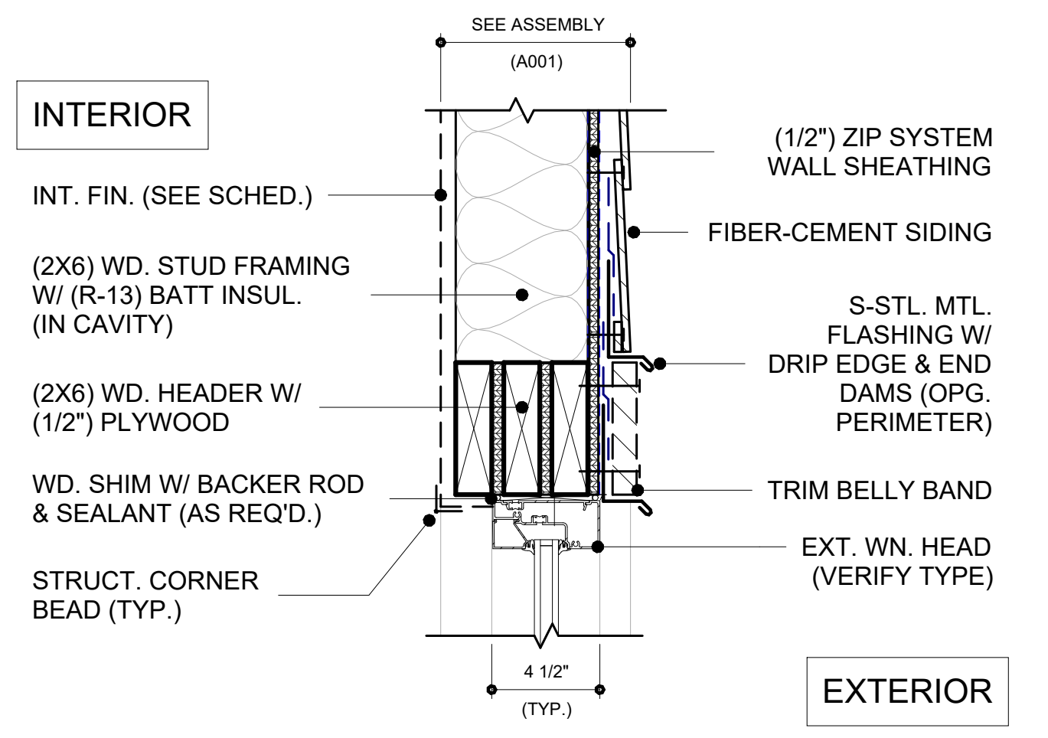
-	NONE (I.E., NOT APPLICABLE OR FACTORY FINISHED)
ALUM.	ALUMINUM
FG	FIRE PROTECTION/FIRE-RESISTANCE RATED GLAZING
H.M.	HOLLOW METAL
I.G.	INSULATED GLAZING
PT.	PAINTED
S.C.W.D.	SOLID CORE WOOD DOOR
S.F.	STOREFRONT
STL.	STEEL
TEMP.	TEMPERED GLAZING

DOOR / WINDOW NOTES

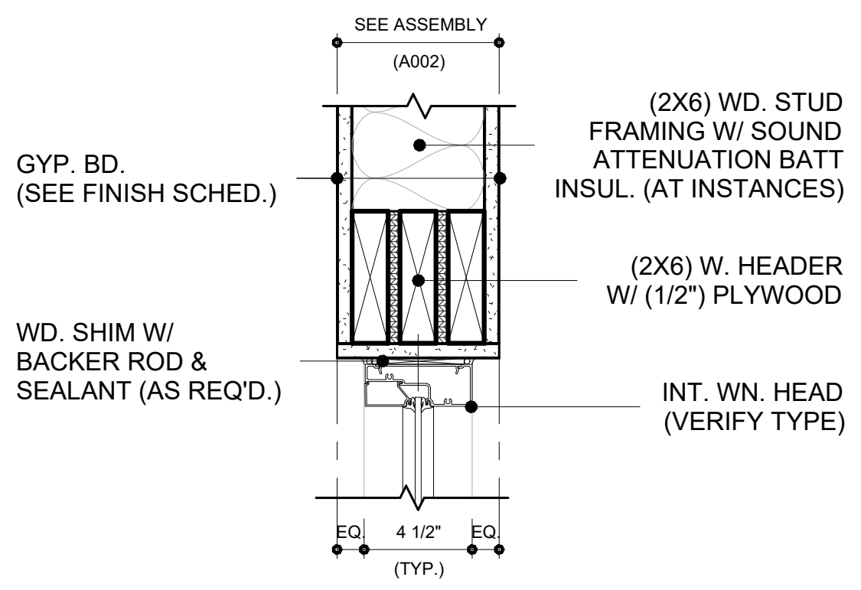
1. SEE A601 FOR ALL DOOR / WINDOW HEAD / JAMB / SILL DETAILS.
2. REFER TO DOOR SCHEDULE FOR LOCATION AND TYPES.
3. REFER TO GLAZING LEGEND FOR ADDITIONAL GLAZING INFORMATION.
4. FINISH SELECTION / COLOR TO BEST MATCH EXISTING CONFERENCE CENTER, U.N.O.
5. ALL TYP. FLASHING INDICATED TO BE STAINLESS STEEL (U.N.O.)


INTERIOR
SEE ASSEMBLY
(A001)
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
INT. FIN. (SEE SCHED.)
(1/2") ZIP SYSTEM WALL SHEATHING
(2X6) WD. HEADER W/ (1/2") PLYWOOD
WD. SHIM W/ BACKER ROD & SEALANT (AS REQ'D.)
STRUCT. CORNER BEAD (TYP.)
EXT. WN. HEAD (VERIFY TYPE)
BRICK VENEER
BRICK VENEER TIES @ 16" VERT. O.C.
WEEP VENTS @ 24" O.C.
S-STL. MTL. THRU-WALL FLASHING W/ DRIP EDGE & END DAMS (OPG. PERIMETER)
STEEL LINTEL (SEE STRUCT.)
4 1/2"
(TYP.)
EXTERIOR

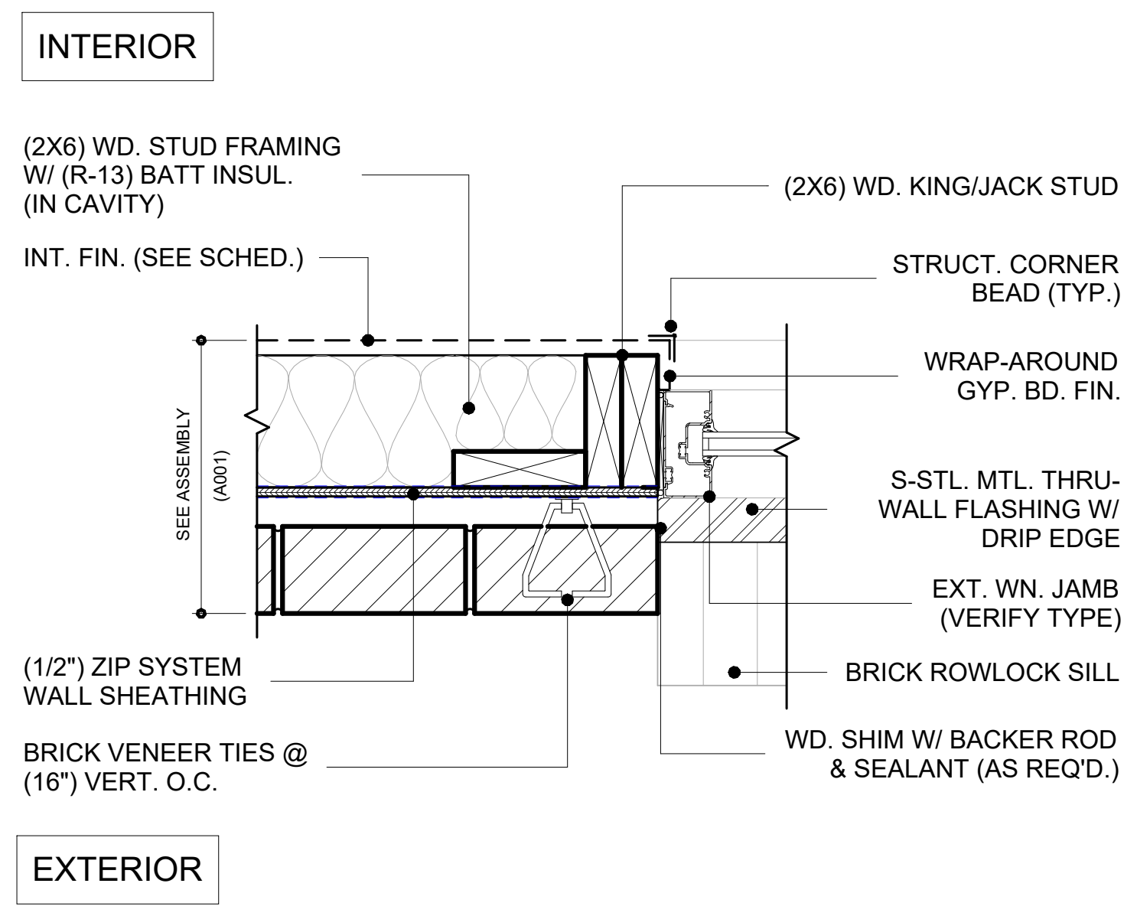
10 WN. HEAD DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"


INTERIOR
SEE ASSEMBLY
(A001)
INT. FIN. (SEE SCHED.)
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
(2X6) WD. HEADER W/ (1/2") PLYWOOD
WD. SHIM W/ BACKER ROD & SEALANT (AS REQ'D.)
STRUCT. CORNER BEAD (TYP.)
(1/2") ZIP SYSTEM WALL SHEATHING
FIBER-CEMENT SIDING
S-STL. MTL. FLASHING W/ DRIP EDGE & END DAMS (OPG. PERIMETER)
TRIM BELLY BAND
EXT. WN. HEAD (VERIFY TYPE)
4 1/2"
(TYP.)
EXTERIOR

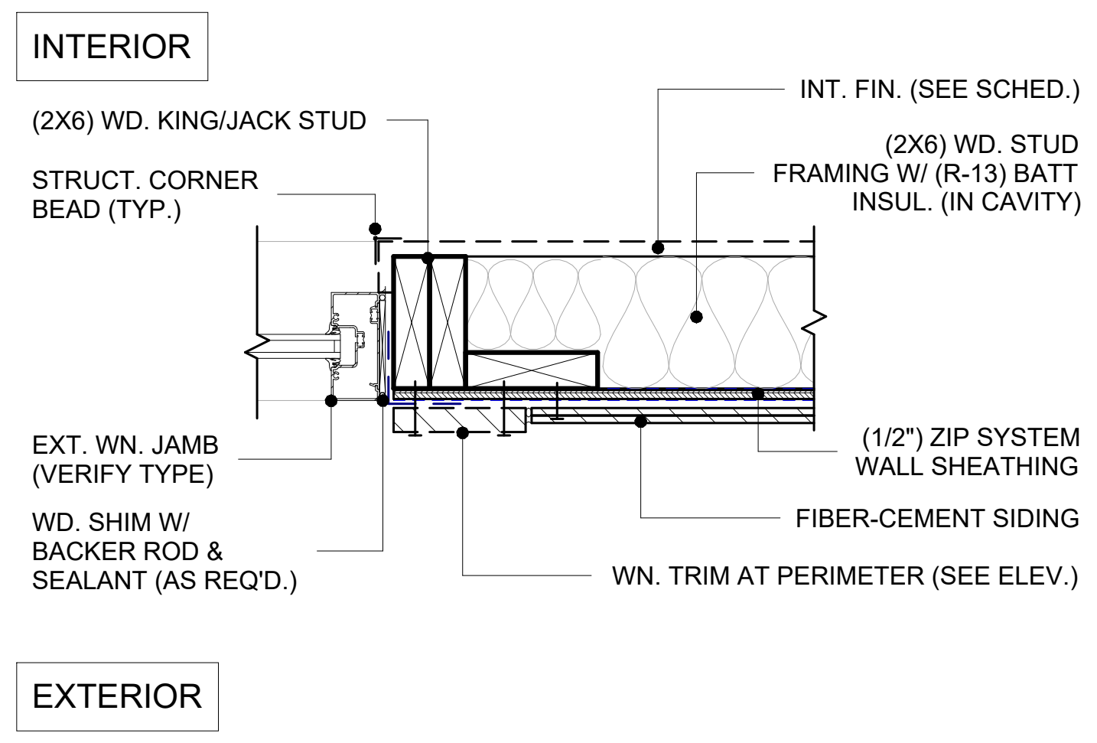
7 WN. HEAD DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"


SEE ASSEMBLY
(A002)
GYP. BD. (SEE FINISH SCHED.)
WD. SHIM W/ BACKER ROD & SEALANT (AS REQ'D.)
(2X6) WD. STUD FRAMING W/ SOUND ATTENUATION BATT INSUL. (AT INSTANCES)
(2X6) W. HEADER W/ (1/2") PLYWOOD
INT. WN. HEAD (VERIFY TYPE)
EQ.
4 1/2"
(TYP.)

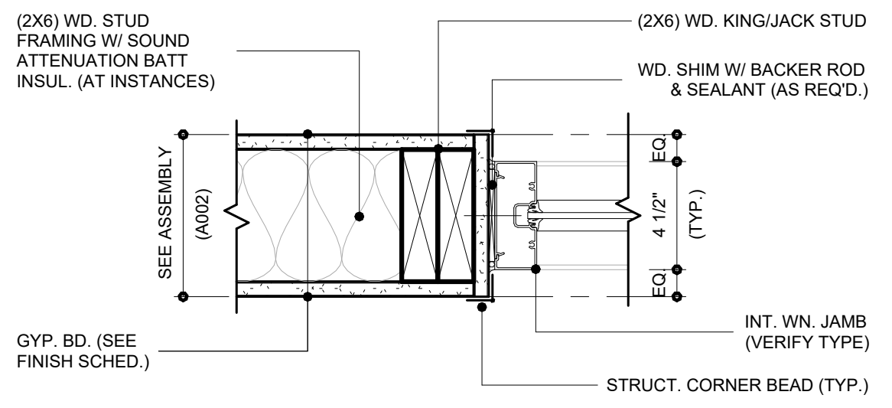
6 WN. HEAD DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"


INTERIOR
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
INT. FIN. (SEE SCHED.)
SEE ASSEMBLY
(A001)
(1/2") ZIP SYSTEM WALL SHEATHING
BRICK VENEER TIES @ (16") VERT. O.C.
(2X6) WD. KING/JACK STUD
STRUCT. CORNER BEAD (TYP.)
WRAP-AROUND GYP. BD. FIN.
S-STL. MTL. THRU-WALL FLASHING W/ DRIP EDGE
EXT. WN. JAMB (VERIFY TYPE)
BRICK ROWLOCK SILL
WD. SHIM W/ BACKER ROD & SEALANT (AS REQ'D.)
EXTERIOR

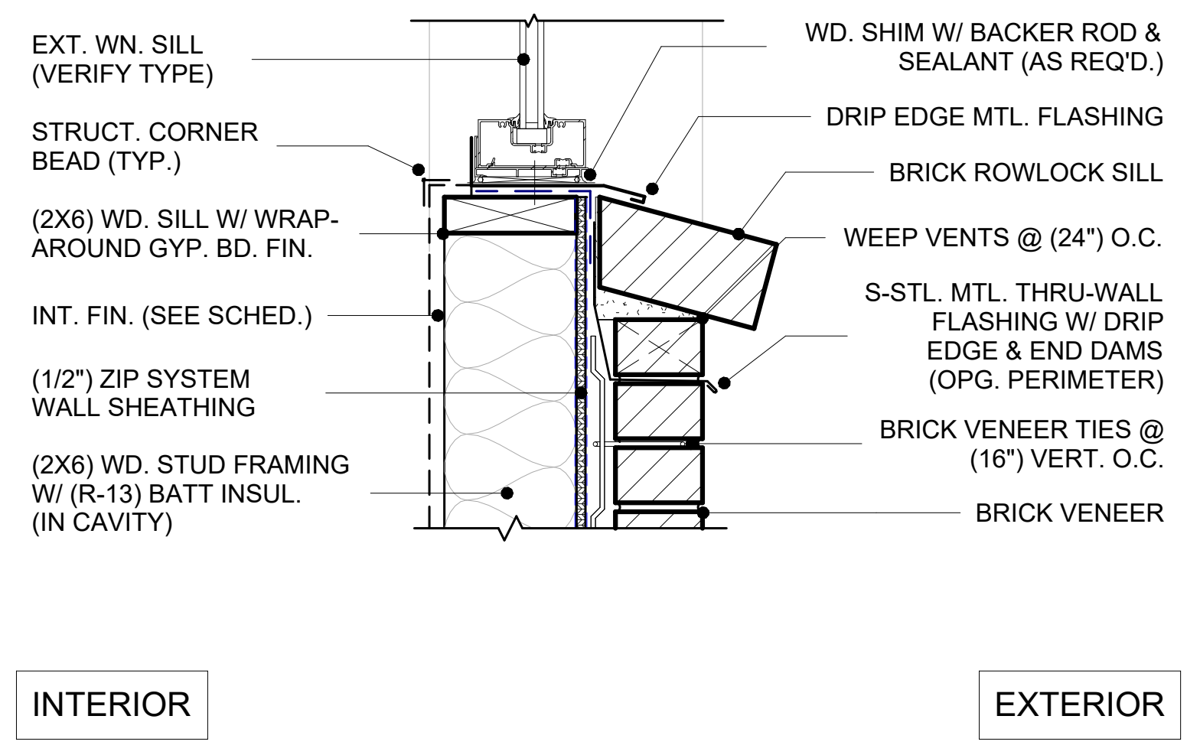
11 WN. JAMB DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"


INTERIOR
(2X6) WD. KING/JACK STUD
STRUCT. CORNER BEAD (TYP.)
EXT. WN. JAMB (VERIFY TYPE)
WD. SHIM W/ BACKER ROD & SEALANT (AS REQ'D.)
INT. FIN. (SEE SCHED.)
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
(1/2") ZIP SYSTEM WALL SHEATHING
FIBER-CEMENT SIDING
WN. TRIM AT PERIMETER (SEE ELEV.)
EXTERIOR

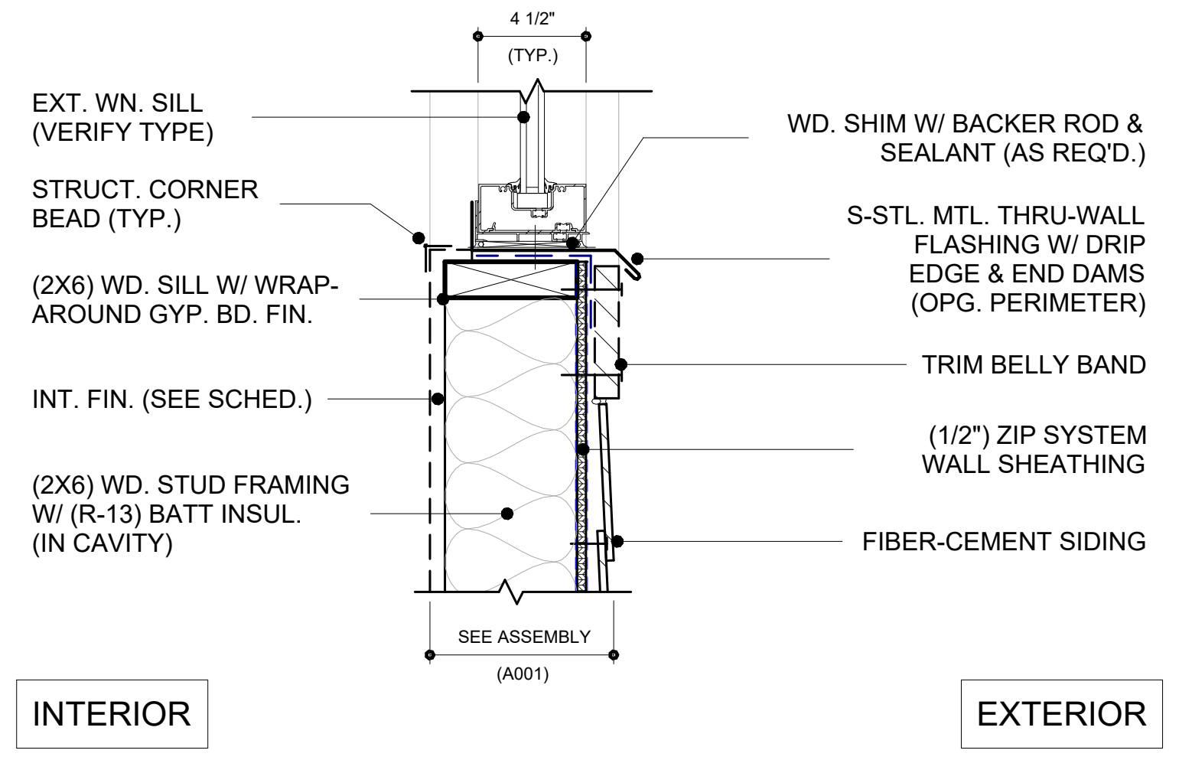
8 WN. JAMB DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"


(2X6) WD. STUD FRAMING W/ SOUND ATTENUATION BATT INSUL. (AT INSTANCES)
SEE ASSEMBLY
(A002)
GYP. BD. (SEE FINISH SCHED.)
(2X6) WD. KING/JACK STUD
WD. SHIM W/ BACKER ROD & SEALANT (AS REQ'D.)
EQ.
4 1/2"
(TYP.)
INT. WN. JAMB (VERIFY TYPE)
STRUCT. CORNER BEAD (TYP.)

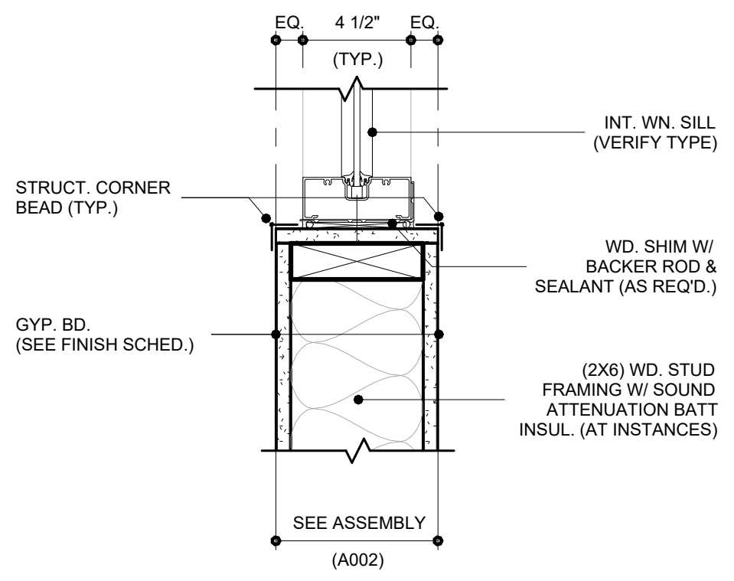
4 WN. JAMB DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"


EXT. WN. SILL (VERIFY TYPE)
STRUCT. CORNER BEAD (TYP.)
(2X6) WD. SILL W/ WRAP-AROUND GYP. BD. FIN.
INT. FIN. (SEE SCHED.)
(1/2") ZIP SYSTEM WALL SHEATHING
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
WD. SHIM W/ BACKER ROD & SEALANT (AS REQ'D.)
DRIP EDGE MTL. FLASHING
BRICK ROWLOCK SILL
WEEP VENTS @ (24") O.C.
S-STL. MTL. THRU-WALL FLASHING W/ DRIP EDGE & END DAMS (OPG. PERIMETER)
BRICK VENEER TIES @ (16") VERT. O.C.
BRICK VENEER
INTERIOR
EXTERIOR

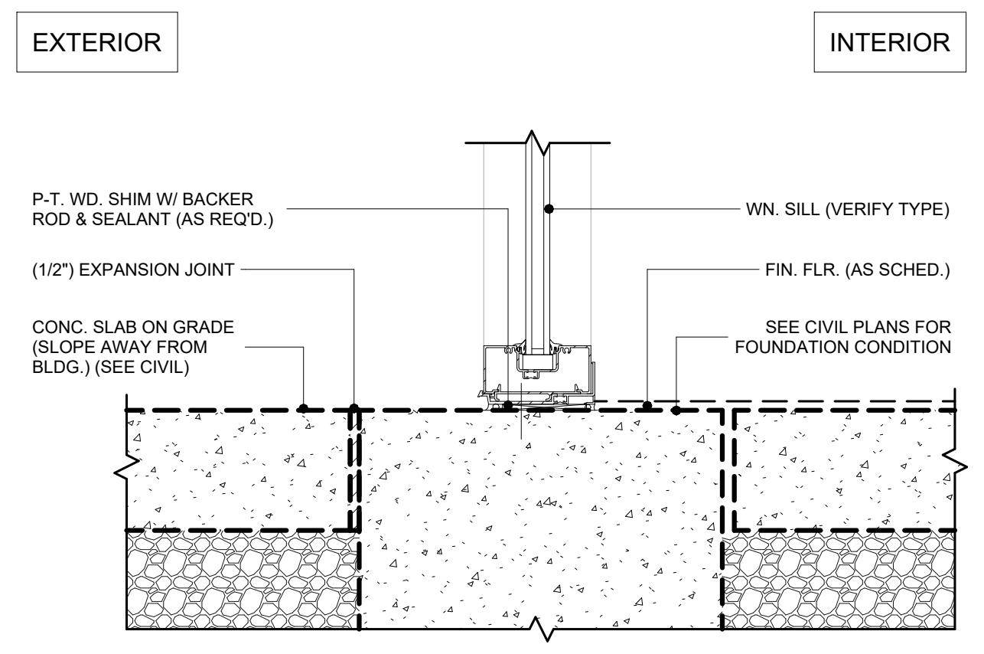
12 WN. SILL DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"


4 1/2"
(TYP.)
EXT. WN. SILL (VERIFY TYPE)
STRUCT. CORNER BEAD (TYP.)
(2X6) WD. SILL W/ WRAP-AROUND GYP. BD. FIN.
INT. FIN. (SEE SCHED.)
(2X6) WD. STUD FRAMING W/ (R-13) BATT INSUL. (IN CAVITY)
WD. SHIM W/ BACKER ROD & SEALANT (AS REQ'D.)
S-STL. MTL. THRU-WALL FLASHING W/ DRIP EDGE & END DAMS (OPG. PERIMETER)
TRIM BELLY BAND
(1/2") ZIP SYSTEM WALL SHEATHING
FIBER-CEMENT SIDING
SEE ASSEMBLY
(A001)
INTERIOR
EXTERIOR

9 WN. SILL DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"


EQ.
4 1/2"
EQ.
(TYP.)
INT. WN. SILL (VERIFY TYPE)
STRUCT. CORNER BEAD (TYP.)
WD. SHIM W/ BACKER ROD & SEALANT (AS REQ'D.)
GYP. BD. (SEE FINISH SCHED.)
(2X6) WD. STUD FRAMING W/ SOUND ATTENUATION BATT INSUL. (AT INSTANCES)
SEE ASSEMBLY
(A002)

3 WN. SILL DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"


EXTERIOR
INTERIOR
P-T. WD. SHIM W/ BACKER ROD & SEALANT (AS REQ'D.)
(1/2") EXPANSION JOINT
CONC. SLAB ON GRADE (SLOPE AWAY FROM BLDG.) (SEE CIVIL)
WN. SILL (VERIFY TYPE)
FIN. FLR. (AS SCHED.)
SEE CIVIL PLANS FOR FOUNDATION CONDITION

2 WN. SILL DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"

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ph 803.772.8420

PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

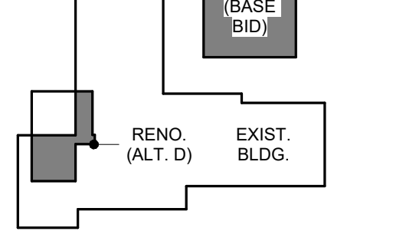
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

TYPES & DETAILS
(WINDOW)

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO:	2026017.00
DATE:	07.31.2026
SCALE:	As indicated
DRAWN BY: KMH	PROJ MGR: CMC

A602

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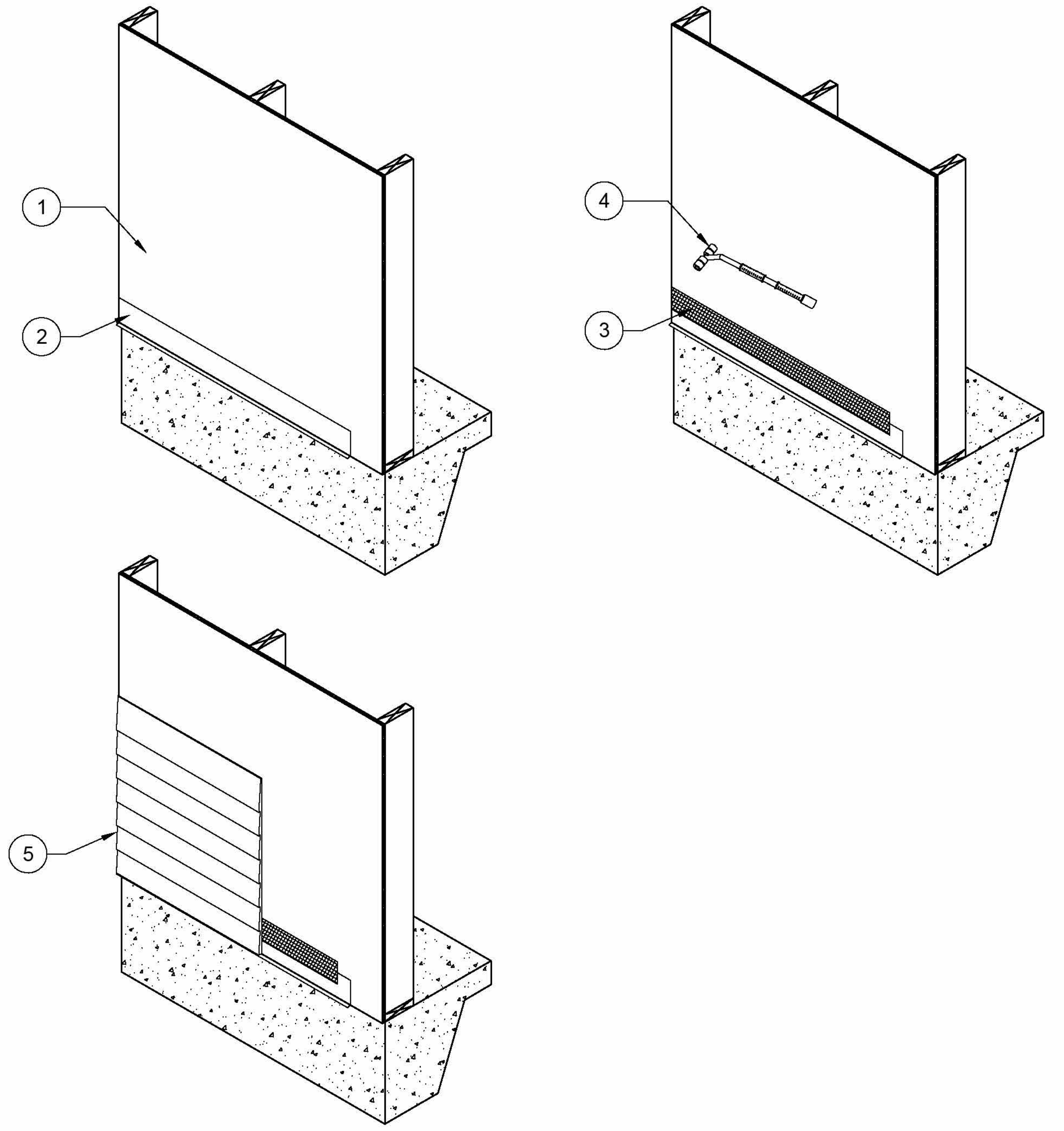

HUBER ENGINEERED WOODS

1. ZIP SYSTEM® SHEATHING.
2. CODE APPROVED BASE FLASHING.
3. TAPE THE TOP EDGE OF FLASHING WITH ZIP SYSTEM™ TAPE OR ADHESIVE BACKED FLASHING MEETING AAMA 711 OR AC148.
4. ZIP SYSTEM ROLLER. ROLL ALL TAPE.
5. LAP SIDING INSTALLED PER MANUFACTURER REQUIREMENTS.

NTS

03-05-2020

ZIP SYSTEM® SHEATHING AND LAPPED SIDING

L-1.1

Questions? Call us at 800.933.9220 ext. 2716
or visit our website at zipsystem.com

ZIPsystem™ SHEATHING & TAPE

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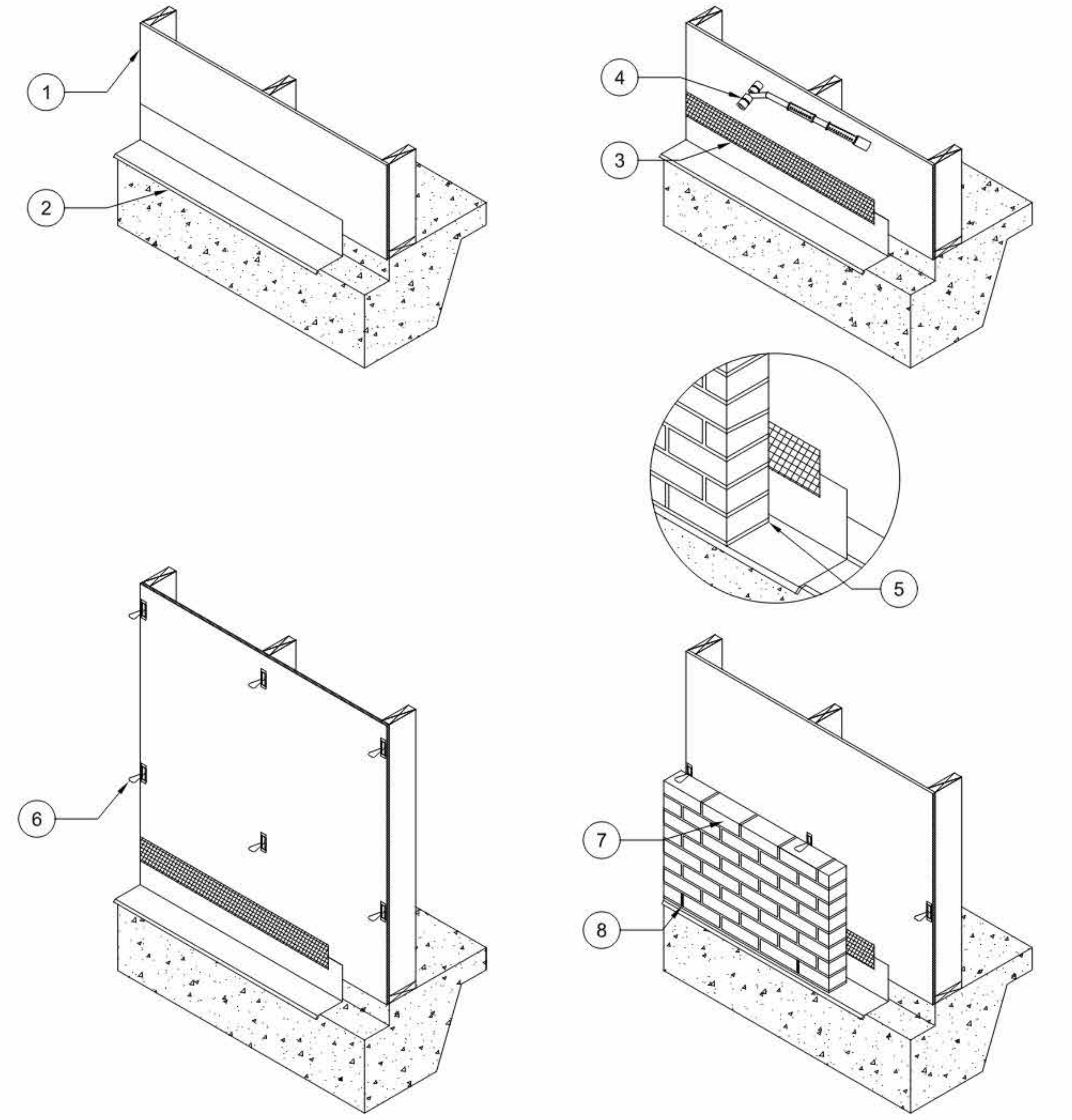

HUBER ENGINEERED WOODS

1. ZIP SYSTEM® SHEATHING.
2. CODE APPROVED BASE FLASHING.
3. TAPE THE TOP EDGE OF FLASHING WITH ZIP SYSTEM™ TAPE OR ADHESIVE BACKED FLASHING MEETING AAMA 711 OR AC148.
4. ZIP SYSTEM ROLLER. ROLL ALL TAPE.
5. MINIMUM 1" AIR GAP UNLESS OTHERWISE SPECIFIED BY DESIGNER OF RECORD OR GOVERNING CODE. THE MOST STRINGENT SHOULD BE FOLLOWED.
6. BRICK VENEER ANCHORS (TIES)* SHALL BE ANCHORED TO WALL STUDS THROUGH ZIP SYSTEM® SHEATHING. INSTALL AN AIR SPACE PER DESIGNER OF RECORD OR GOVERNING CODE. THE MOST STRINGENT SHOULD BE FOLLOWED.
7. ANCHORED MASONRY BRICK VENEER.
8. INSTALL WEEP HOLES AS PRESCRIBED BY LOCAL BUILDING CODE.

*ANY CODE APPROVED BRICK VENEER ANCHORS (TIES) CAN BE USED.

03-25-2026

ZIP SYSTEM® SHEATHING AND BRICK VENEER WITH FLASHING IN FRONT

B-1.1

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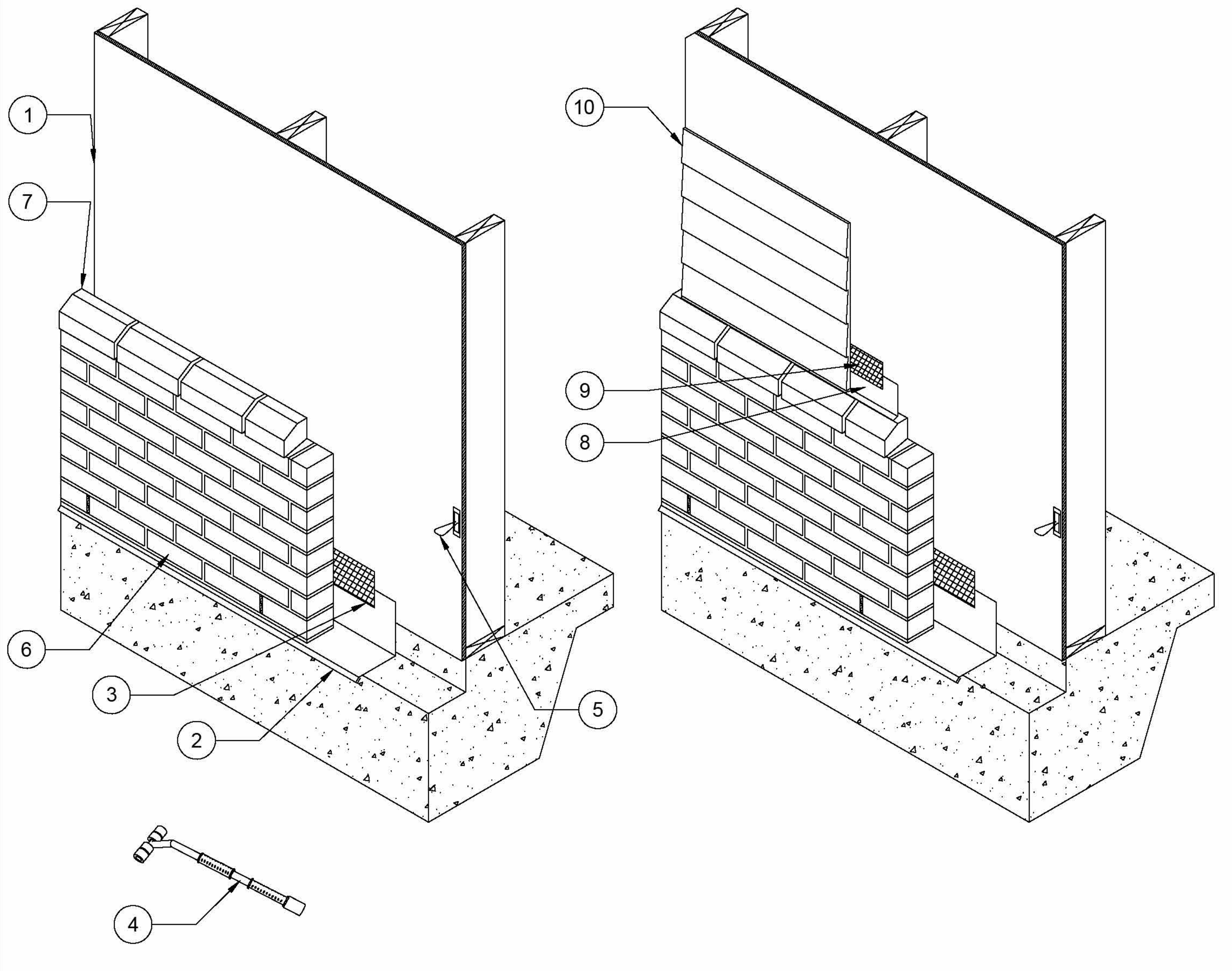

HUBER ENGINEERED WOODS

1. ZIP SYSTEM® SHEATHING*.
2. CODE APPROVED BASE FLASHING.
3. TAPE THE TOP EDGE OF FLASHING WITH ZIP SYSTEM™ TAPE OR ADHESIVE BACKED FLASHING MEETING AAMA 711 OR AC148.
4. ZIP SYSTEM ROLLER. ROLL ALL TAPE.
5. VENEER ANCHORS (TIES)* SHALL BE ANCHORED TO WALL STUDS THROUGH ZIP SYSTEM® SHEATHING. INSTALL AN AIR SPACE PER DESIGNER OF RECORD OR GOVERNING CODE. THE MOST STRINGENT SHOULD BE FOLLOWED.
6. BRICK VENEER.
7. CAP STONE AND CAP STONE SUPPORT DESIGNED BY OTHERS.
8. CODE APPROVED FLASHING.
9. TAPE THE TOP EDGE OF FLASHING WITH ZIP SYSTEM™ TAPE OR ADHESIVE BACKED FLASHING MEETING AAMA 711 OR AC148.
10. LAP SIDING.

* ZIP SYSTEM SHEATHING IS APPROVED TO REPLACE THE FIRST LAYER OF A TWO LAYER WATER RESISTIVE BARRIER SYSTEM

* INSTALL VERTICAL AND HORIZONTAL CONTROL JOINTS AS NEEDED. DESIGNER OF RECORD TO SPECIFY TYPE AND LOCATION(S).

NTS

03-05-2020

ZIP SYSTEM® SHEATHING AT LAP SIDING TO BRICK TRANSITION

T-4.1

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or visit our website at zipsystem.com

ZIPsystem™ SHEATHING & TAPE

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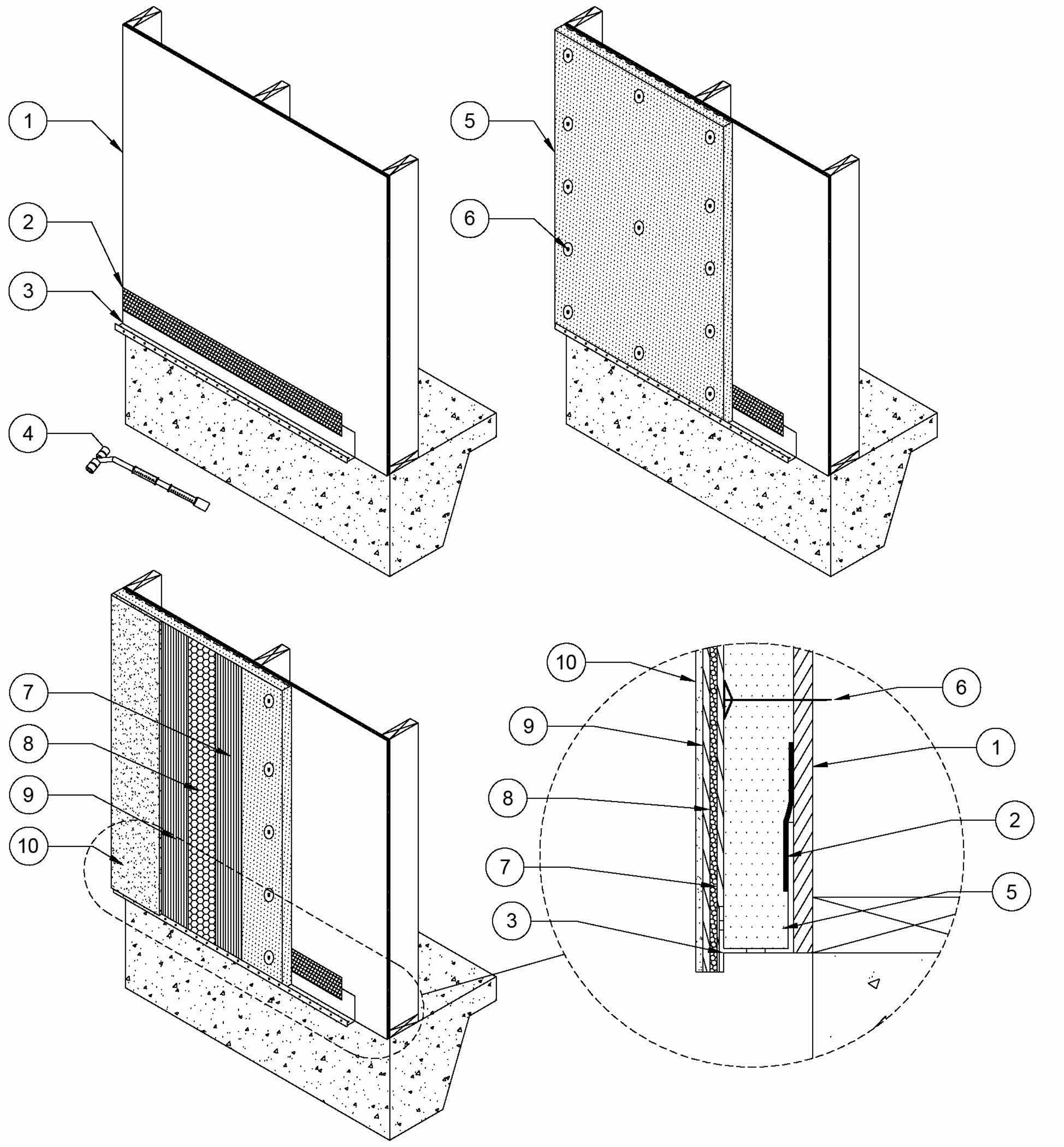

HUBER ENGINEERED WOODS

1. ZIP SYSTEM® SHEATHING*.
2. CODE APPROVED BASE FLASHING WITH WEEP HOLES.
3. TAPE THE TOP EDGE OF FLASHING WITH ZIP SYSTEM™ TAPE OR ADHESIVE BACKED FLASHING MEETING AAMA 711 OR AC148.
4. ZIP SYSTEM ROLLER. ROLL ALL TAPE.
5. DRAINABLE EIFS INSULATION PANEL. DRAINAGE PATH IS PROVIDED BY CONTINUOUS VERTICAL CHANNELS IN BACK SURFACE OF INSULATION.
6. MECHANICAL FASTENER FOR EIFS PANELS. QUANTITY, TYPE AND SPACING PER EIFS MANUFACTURER'S RECOMMENDATIONS.
7. BASE COAT.*
8. METAL LATH.*
9. BROWN COAT*
10. FINISH COAT.*

* EIFS FINISHING COAT AND SUBSEQUENT LAYERS TO BE DETERMINED BY EIFS MANUFACTURER'S RECOMMENDATIONS.

NTS

03-05-2020

ZIP SYSTEM® SHEATHING WITH EIFS AND DRAINABLE INSULATION

E-1.1

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ZIPsystem™ SHEATHING & TAPE

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PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151

7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

ZIP SYSTEM DETAILS

KEY MAP

ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE:
DRAWN BY: KMH
PROJ MGR: CMC

A603

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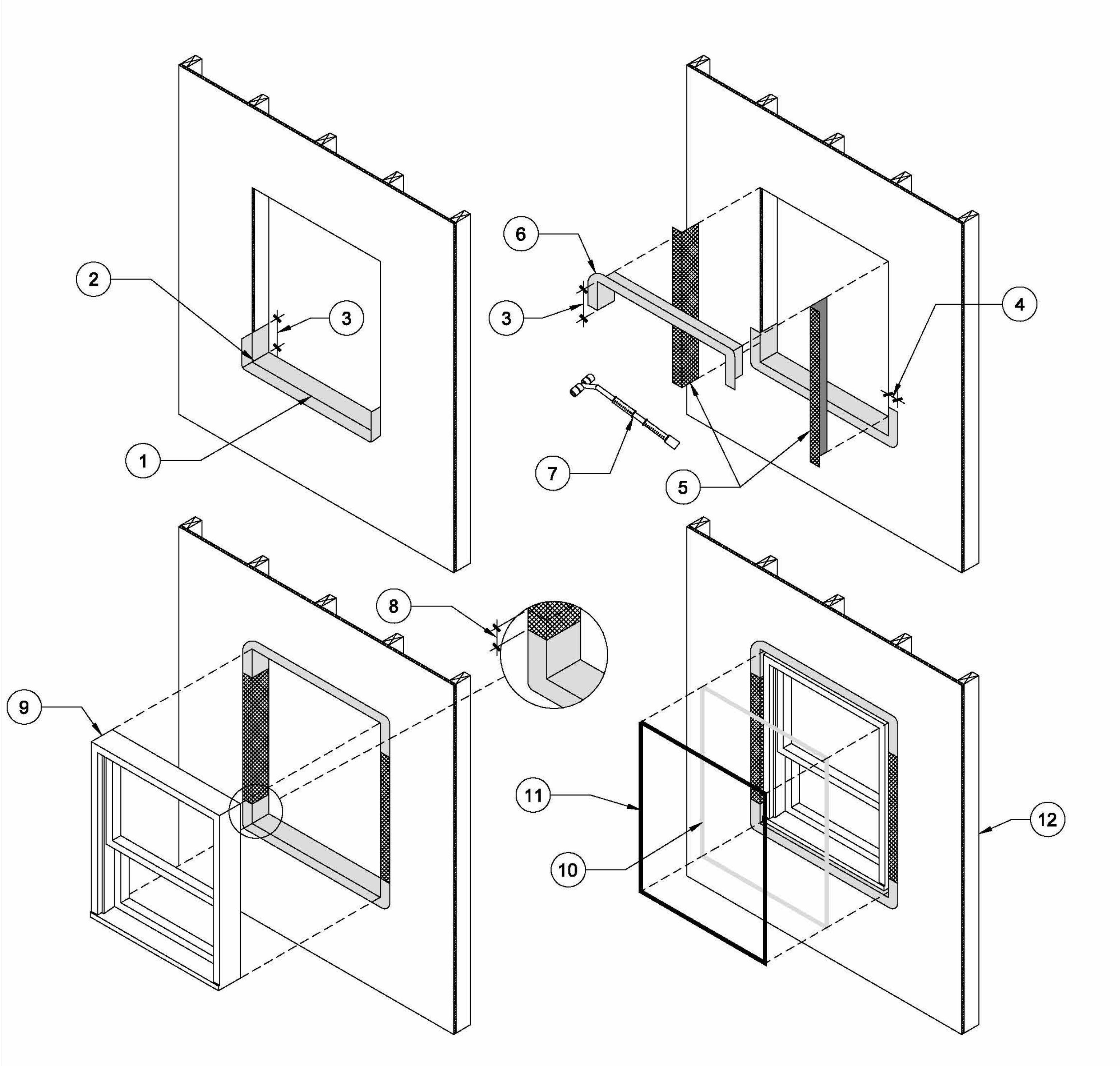

HUBER ENGINEERED WOODS

1. CENTER ZIP SYSTEM™ STRETCH TAPE ON WINDOW SILL AND PRESS FIRMLY FROM THE CENTER, TO THE CORNERS AND THEN UP THE JAMBS.
2. ENSURE ZIP SYSTEM ™ STRETCH TAPE FITS TIGHTLY INTO THE CORNERS.
3. ZIP SYSTEM™ STRETCH TAPE SHOULD EXTEND UP THE JAMB A MINIMUM OF 6 INCHES.
4. EXTEND THE ZIP SYSTEM FLASHING TAPE ON THE SURFACE OF THE ZIP SYSTEM SHEATHING A MINIMUM OF 2INCHES.
5. ZIP SYSTEM™ TAPE.
6. ZIP SYSTEM™ STRETCH TAPE.
7. ZIP SYSTEM™ ROLLER. ROLL ALL TAPE.
8. ZIP SYSTEM™ FLASHING TAPE SHOULD OVERLAP THE ZIP SYSTEM STRETCH TAPE IN THE JAMBS A MINIMUM OF 1 INCH.
9. NON-FLANGED (STORE FRONT) WINDOW INSTALLED PER WINDOW MANUFACTURER'S INSTALLATION REQUIREMENTS.
10. BACKER ROD INSTALLED IN BETWEEN THE TAPED ROUGH OPENING AND THE NON-FLANGED (STORE FRONT) WINDOW.
11. INSTALLED SEALANT* PER WINDOW MANUFACTURER'S RECOMMENDATIONS.
12. FROM THE INTERIOR, INSTALL LOW PRESSURE POLYURETHANE FOAM BETWEEN WINDOW AND ROUGH OPENING TO MAINTAIN CONTINUITY OF THE AIR BARRIER. IF GAP IS TOO NARROW USE A COMPATIBLE CAULK SEALANT*.

*FOR SEALANT COMPATIBILITY WITH ZIP SYSTEM™ PRODUCTS REFER TO TECH TIP "WINDOW AND DOOR SEALANT COMPATIBILITY WITH ZIP SYSTEM SHEATHING AND ACCESSORIES" AT HUBERWOOD.COM.

09-14-2021

ZIP SYSTEM® SHEATHING AT TYPICAL NON-FLANGE (STORE FRONT) WINDOW

W-3.1

Questions? Call us at 800.933.9220 ext. 2716
or visit our website at zipsystem.com

ZIPsystem™ SHEATHING & TAPE

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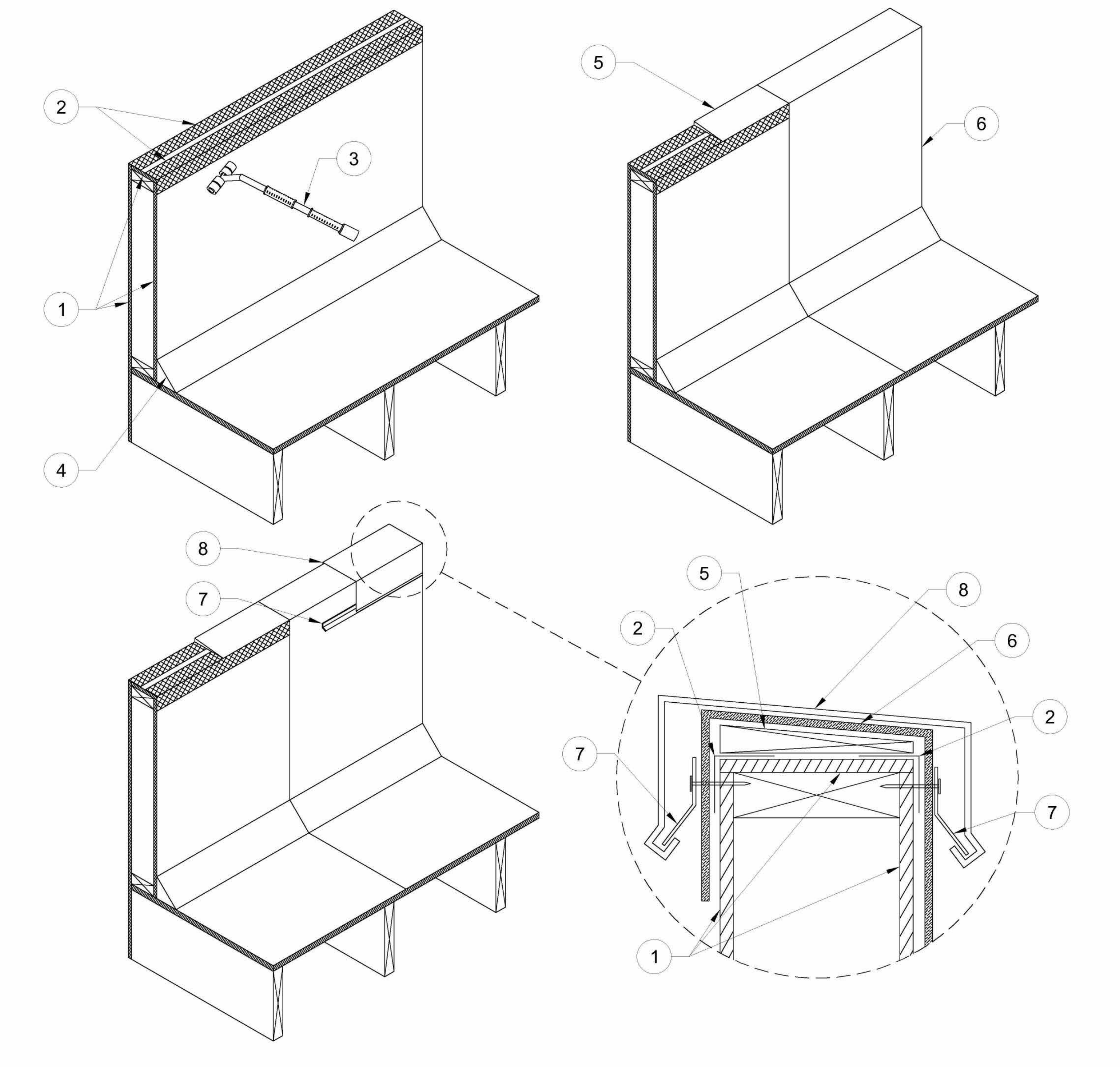

HUBER ENGINEERED WOODS

1. ZIP SYSTEM® SHEATHING.
2. ZIP SYSTEM™ TAPE OR ADHESIVE BACKED FLASHING MEETING AAMA 711 OR AC148.
3. ZIP SYSTEM ROLLER. ROLL ALL TAPE.
4. CANT STRIP.
5. SEE ARCHITECTURAL DETAILS FOR TOP/PARAPET DETAILING.
6. WATERPROOFING MEMBRANE, FINISHED CLADDING OR OTHER WALL COVERING PER MANUFACTURER'S RECOMMENDATIONS.
7. CONTINUOUS CLEAT.
8. PARAPET CAP.

IT IS THE RECOMMENDATION OF HUBER ENGINEERED WOODS TO BRING THE WATER PROOFING MEMBRANE OVER THE TOP OF THE PARAPET WALL TO ACHIEVE ROUGH DRY-IN DURING CONSTRUCTION.

03-05-2020

ZIP SYSTEM® SHEATHING AT PARAPET WALL

D-3.1

Questions? Call us at 800.933.9220 ext. 2716
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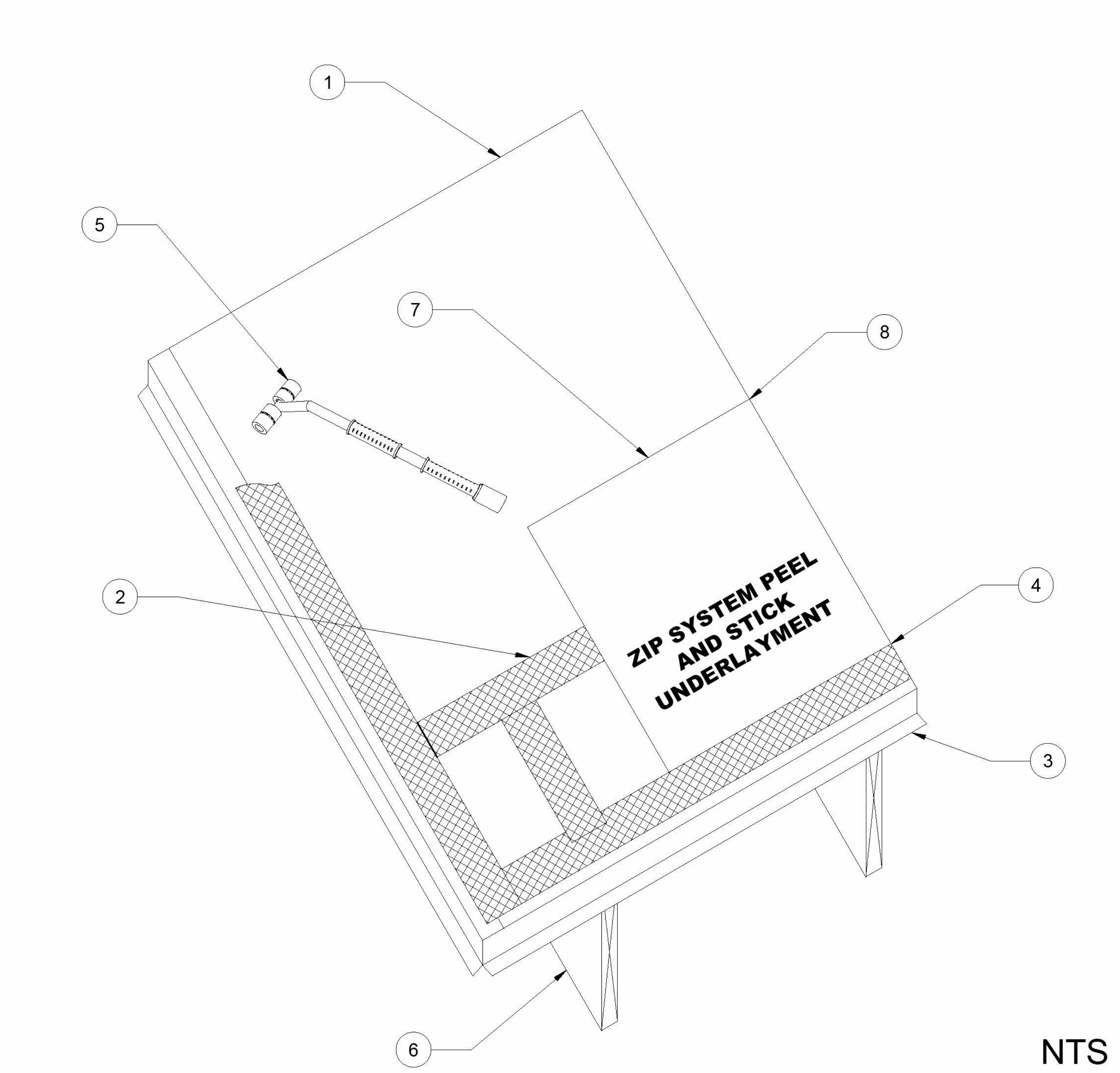

NTS

HUBER ENGINEERED WOODS

1. ZIP SYSTEM® SHEATHING*.
2. TAPE ALL PANEL SEAMS WITH ZIP SYSTEM™ FLASHING.
3. DRIP EDGE INSTALLED PER CODE OR BY DESIGNER OF RECORD.
4. TAPE THE TOP EDGE OF DRIP EDGE FLASHING WITH ZIP SYSTEM™ FLASHING TAPE OR ADHESIVE BACKED FLASHING MEETING AAMA 711 OR AC148.
5. ZIP SYSTEM ROLLER. ROLL ALL TAPE.
6. FRAMING (BY OTHERS).
7. ICE BARRIER AS REQUIRED PER LOCAL BUILDING CODE OR BY DESIGNER OF RECORD. MAY NOT BE REQUIRED IN ALL JURISDICTIONS. INSTALL AFTER TAPING ZIP SYSTEM SHEATHING PANEL SEAMS.
8. OPTIONAL: TAPE THE TOP EDGE OF DRIP EDGE FLASHING WITH ZIP SYSTEM™ FLASHING TAPE OR ADHESIVE BACKED FLASHING MEETING AAMA 711 OR AC148.

04-04-2022

ZIP SYSTEM® SHEATHING WITH ICE BARRIER

TD-1.2

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ZIPsystem™ SHEATHING & TAPE

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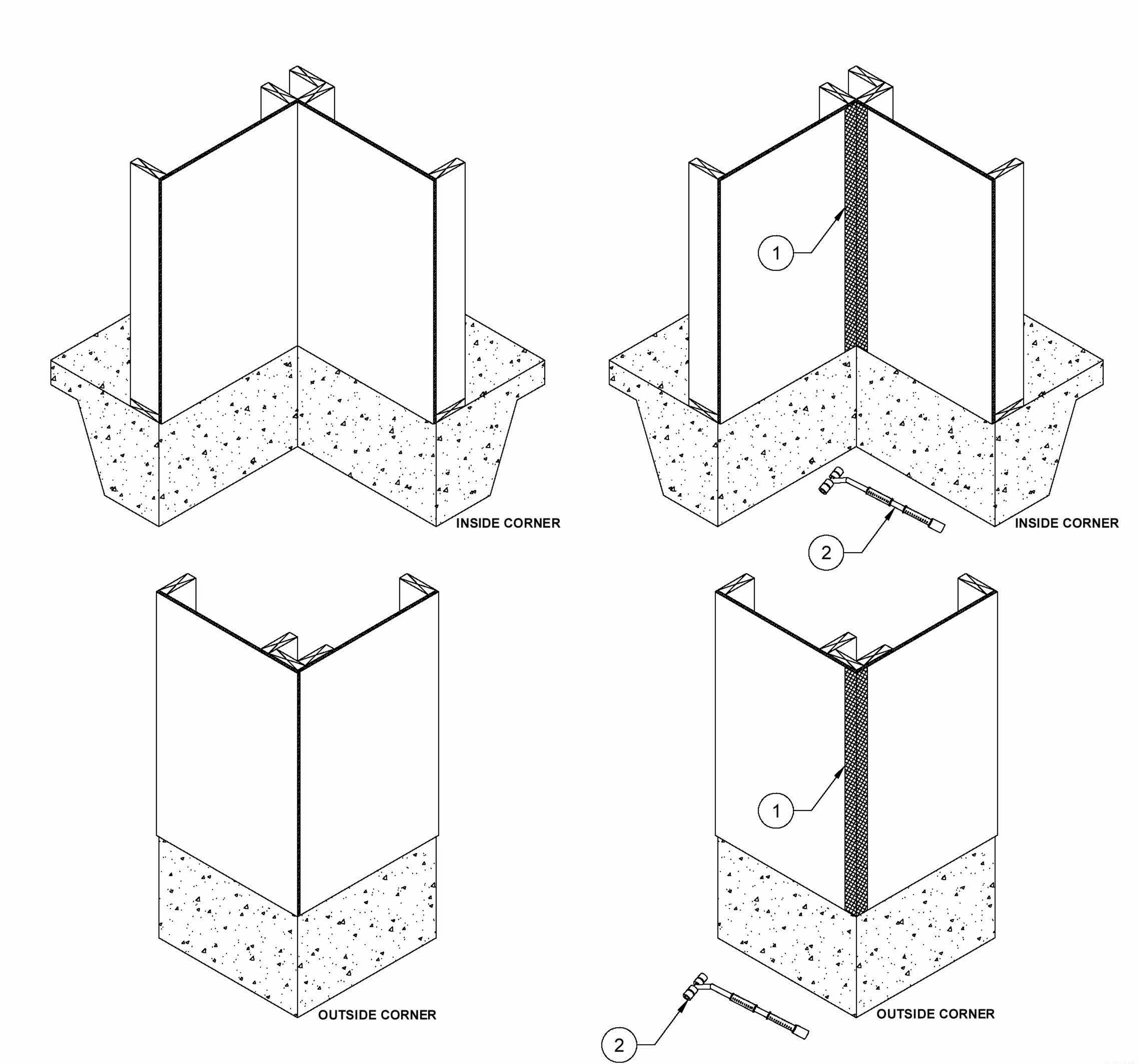

NTS

HUBER ENGINEERED WOODS

1. ZIP SYSTEM™ TAPE.
2. ZIP SYSTEM™ ROLLER. ROLL ALL TAPE.

TIP: WHEN INSTALLING ZIP SYSTEM™ TAPE ON AN INSIDE CORNER USE ARM LENGTHS PORTIONS OF TAPE AT A TIME. WORK THE TAPE INTO THE CORNER USING A TOOL SUCH AS A PLASTIC SPEED SQUARE TO ENSURE A TIGHT CORNER IS INSTALLED.

03-05-2020

ZIP SYSTEM® SHEATHING AT INSIDE AND OUTSIDE CORNERS

D-1.1

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COLUMBIA, SC 29210
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PROJECT RECORD SEAL

ERNEST W. OLDS
WILMINGTON, NC
10151
7/31/2026

BECKER MORGAN GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

ZIP SYSTEM DETAILS

KEY MAP

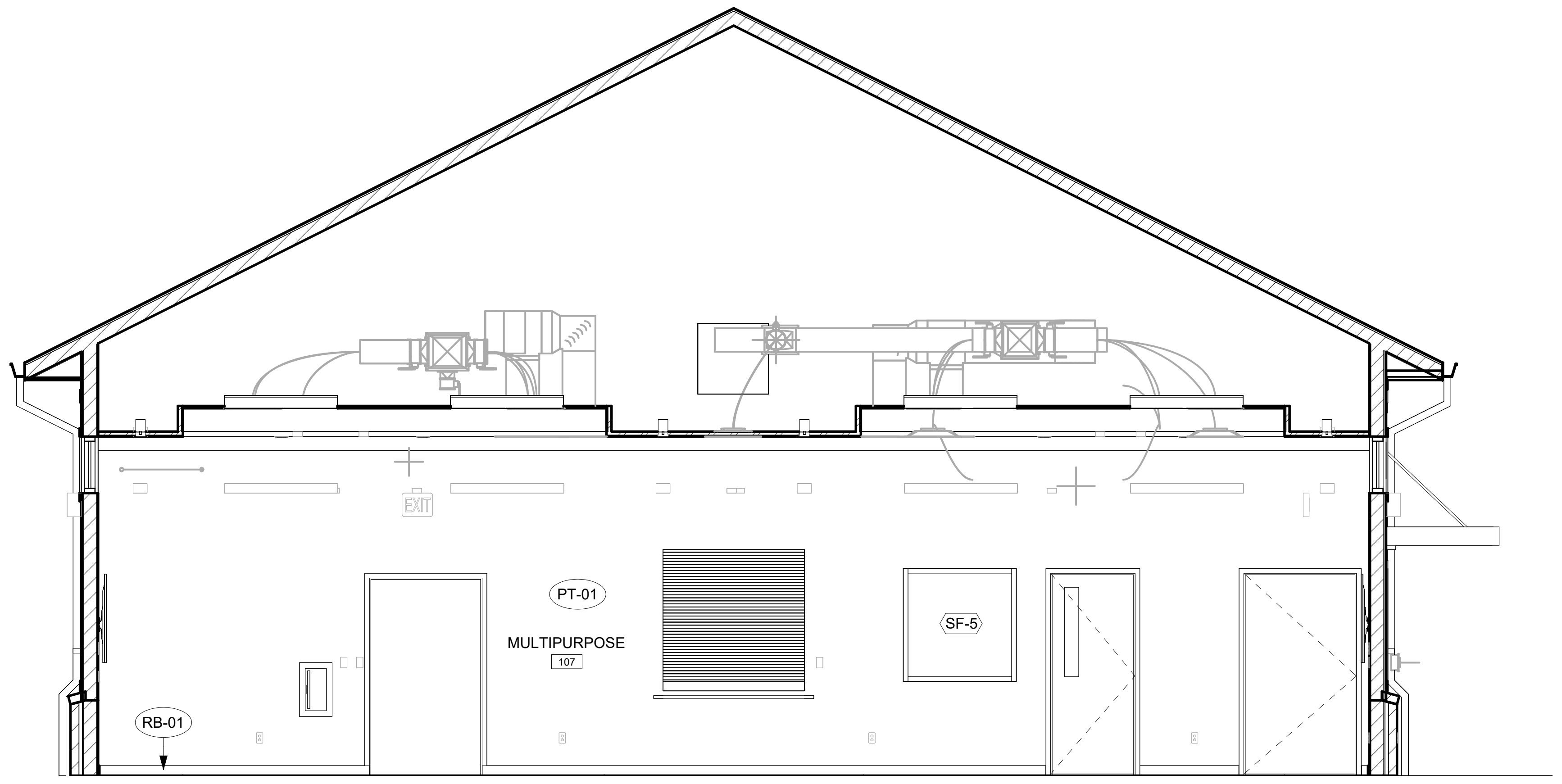
ISSUE BLOCK

Mark	Date	Description

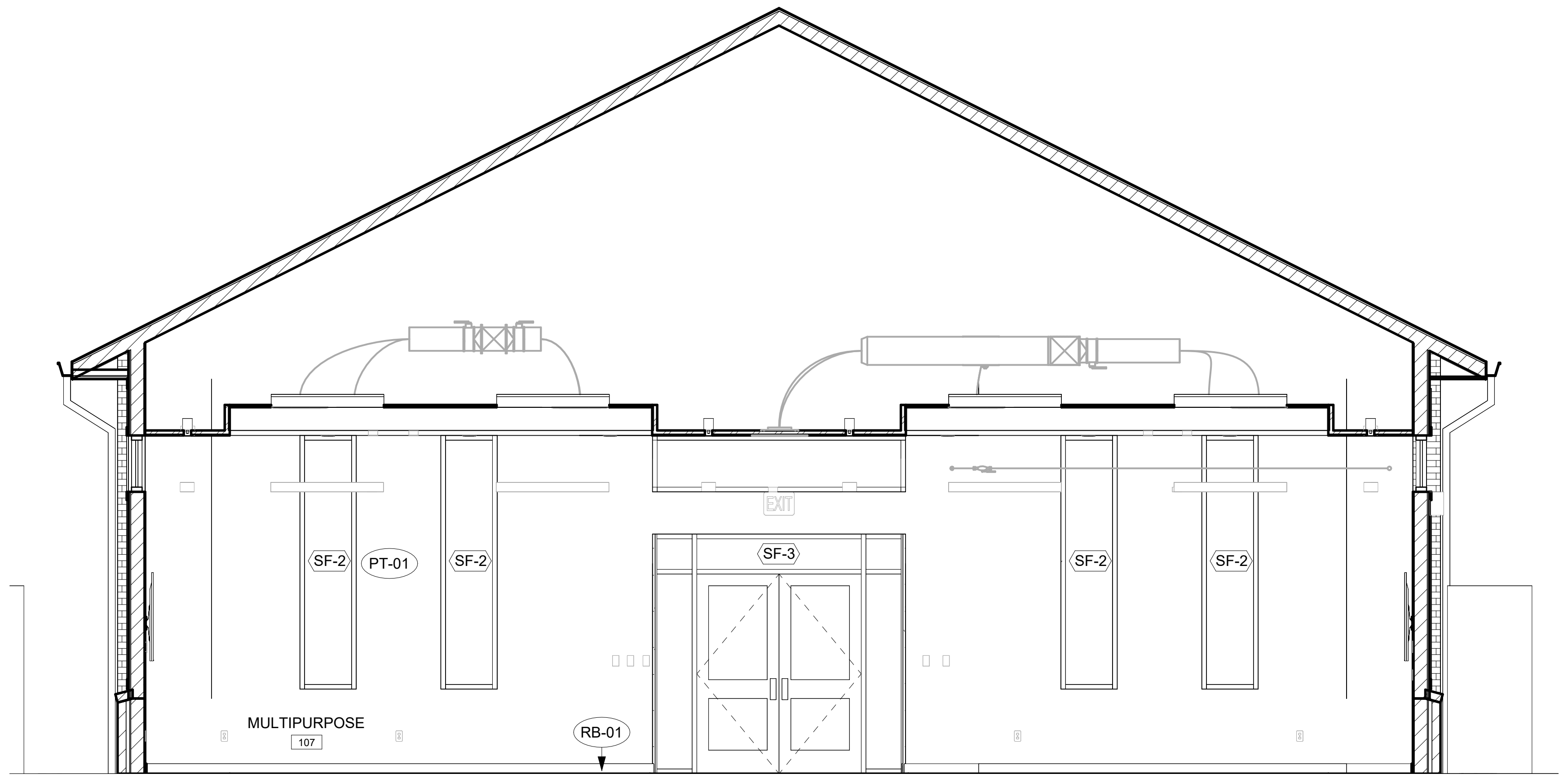
PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE:
DRAWN BY: KMH
PROJ MGR: CMC

A604

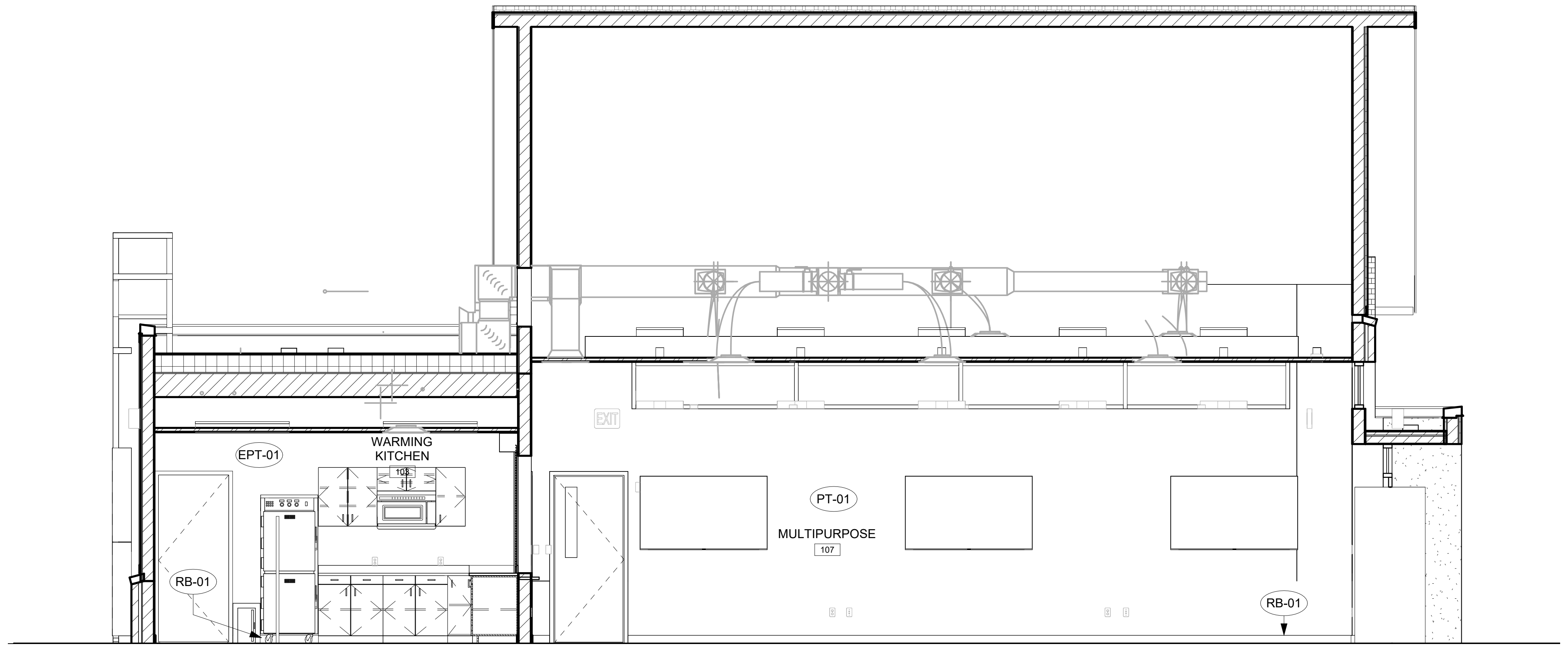
8/10/2026 4:26:06 PM C:\Users\kholdorf\AppData\Local\Autodesk\Revit\Autodesk Revit 2026\CollaborationCache\6EFJZ5N9JLT7XVUK\78a0e798-749d-4bb3-a731-4a4044ef96a5\3eec0d44-5701-4a6c-8e0c-ec42f1801776.rvt



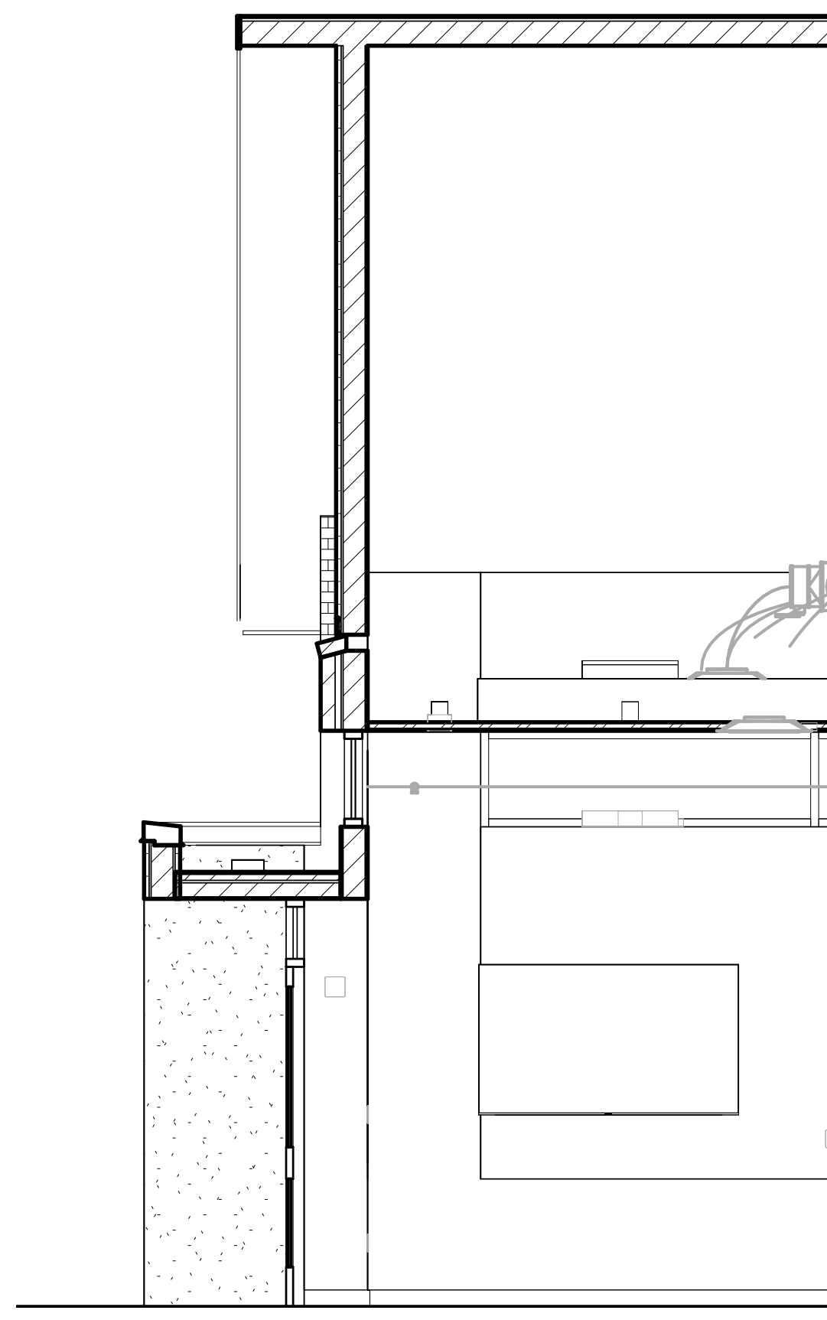
4 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



1 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

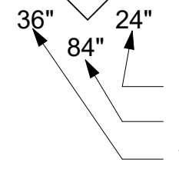


2 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION LEGEND



ARCHITECTURAL WOODWORK STANDARDS CASEWORK DESIGN SERIES NUMBER

DEPTH
HEIGHT
WIDTH

INTERIOR ELEVATION NOTES

1. ALL WALL CABINET 30" HIGH HAVE EXTRA SHELF, U.O.N.

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10151
7/31/2026

BECKER MORGAN
GROUP, INC.
WILMINGTON, NC
100852

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

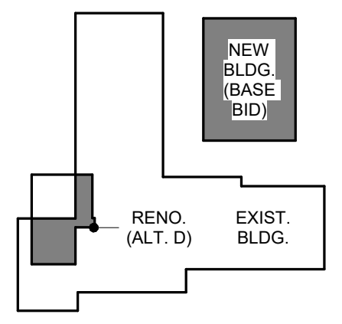
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

INTERIOR ELEVATIONS

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026017.00
DATE: 07.31.2026
SCALE: As indicated
DRAWN BY: KMH
PROJ MGR: CMC

A701

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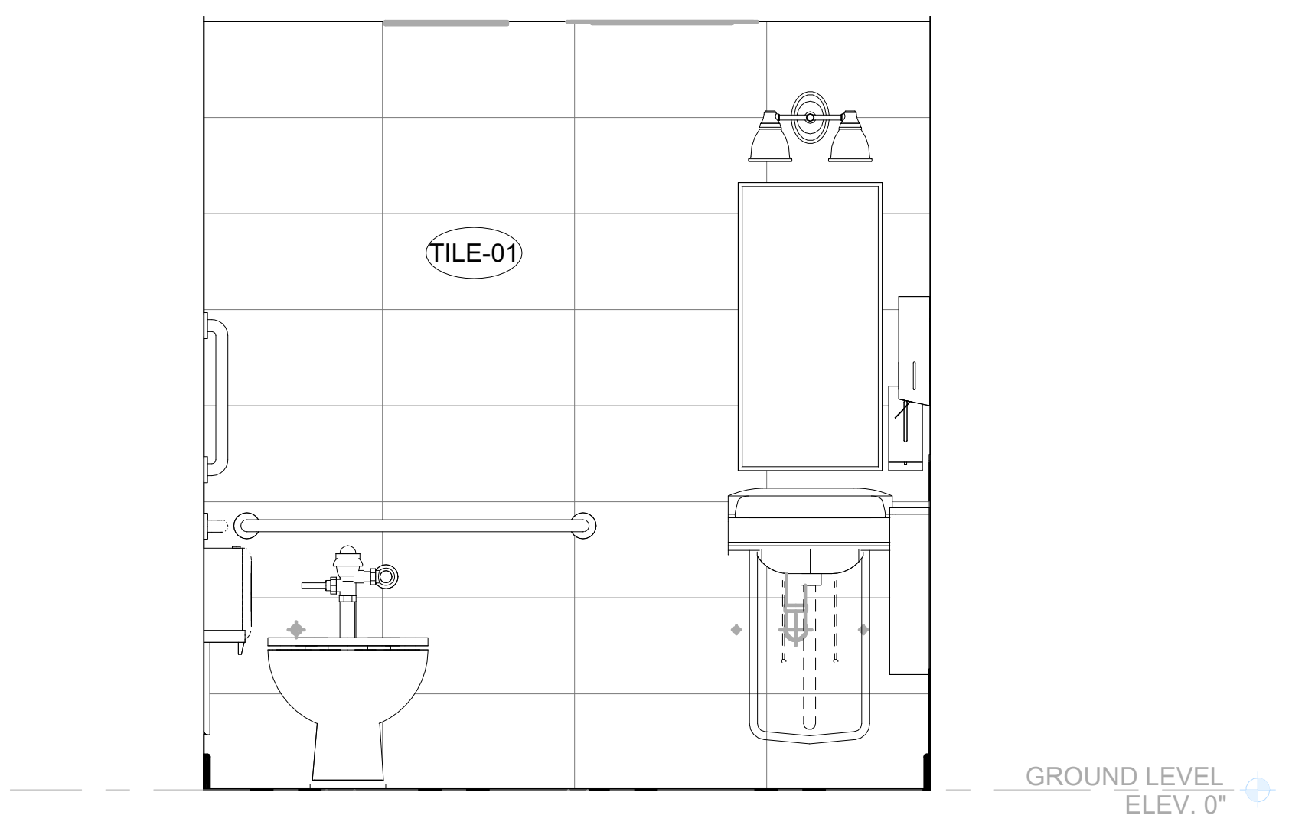
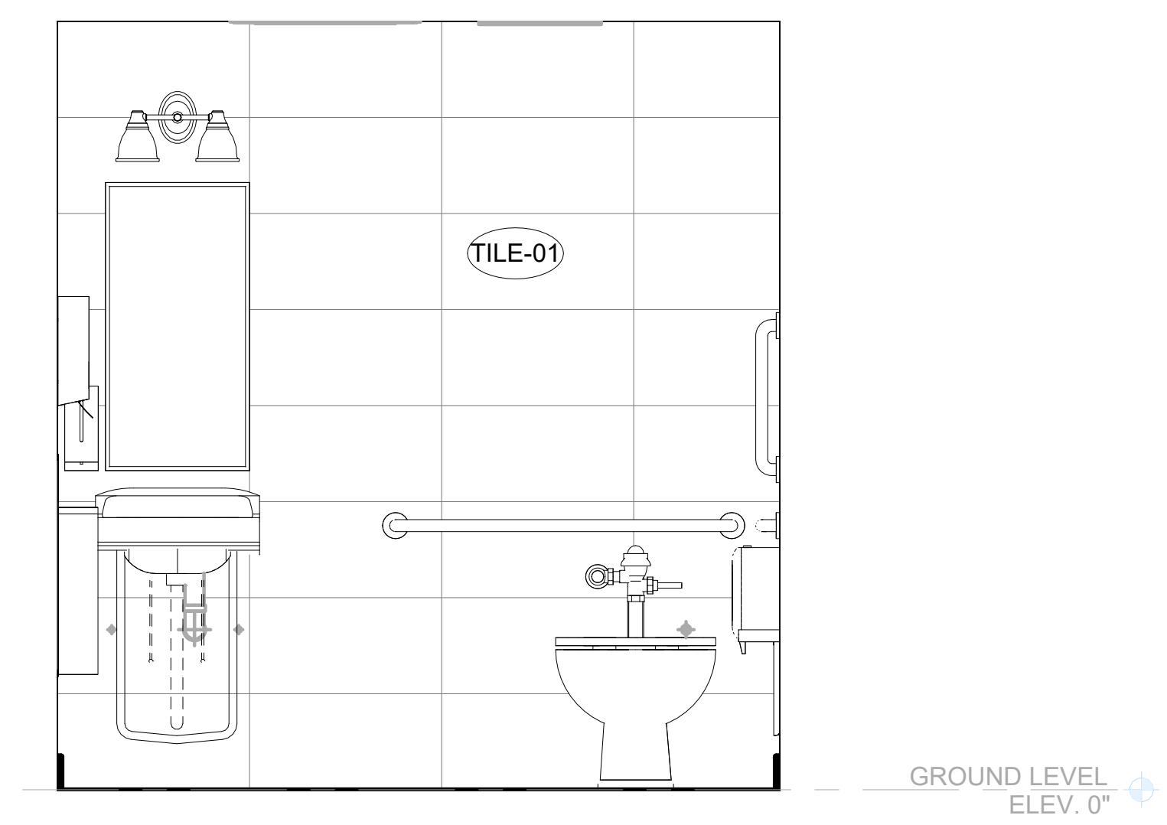
ALTERNATES:

B. WALL TILING (UNISEX 101 & 102)
C. EPOXY FLOORING (UNISEX 101 & 102) / (WARMING KITCHEN 103) / (STOR. 104)



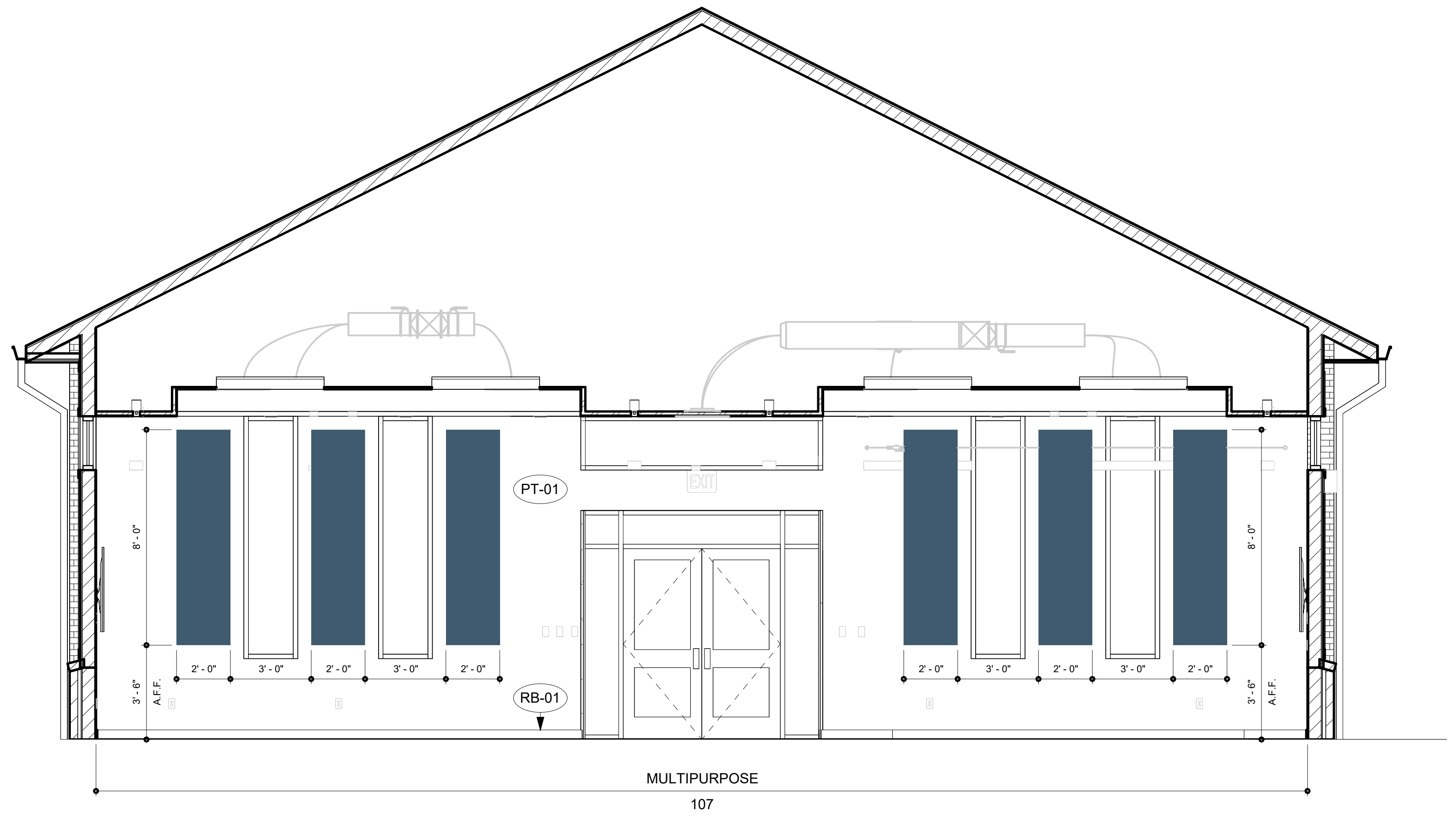
4 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



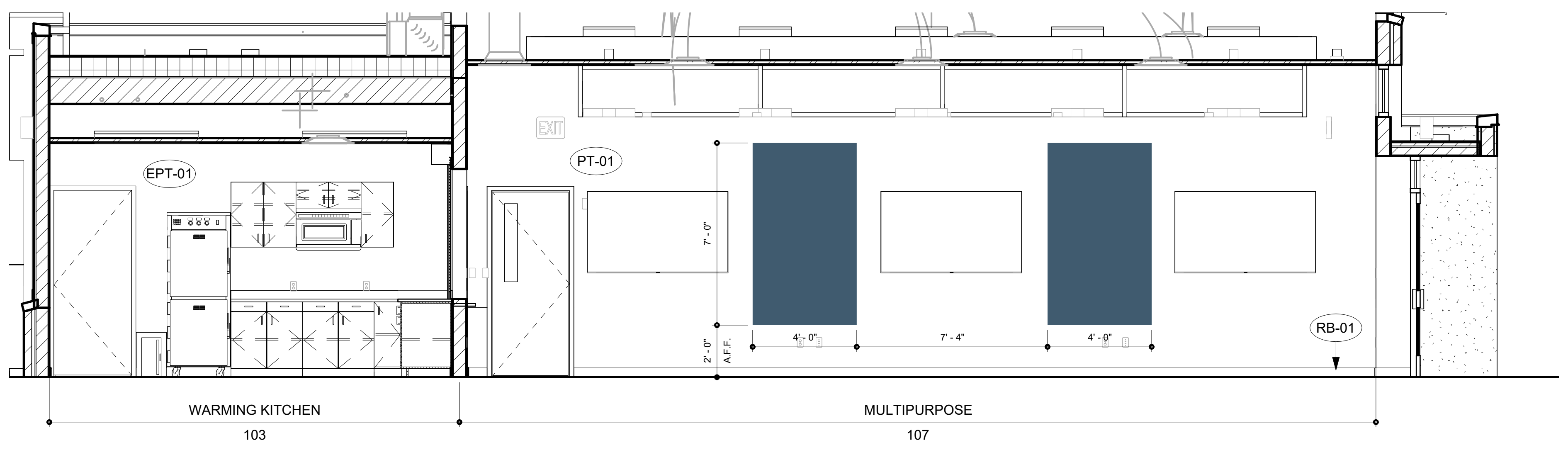
5 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

ALTERNATES:

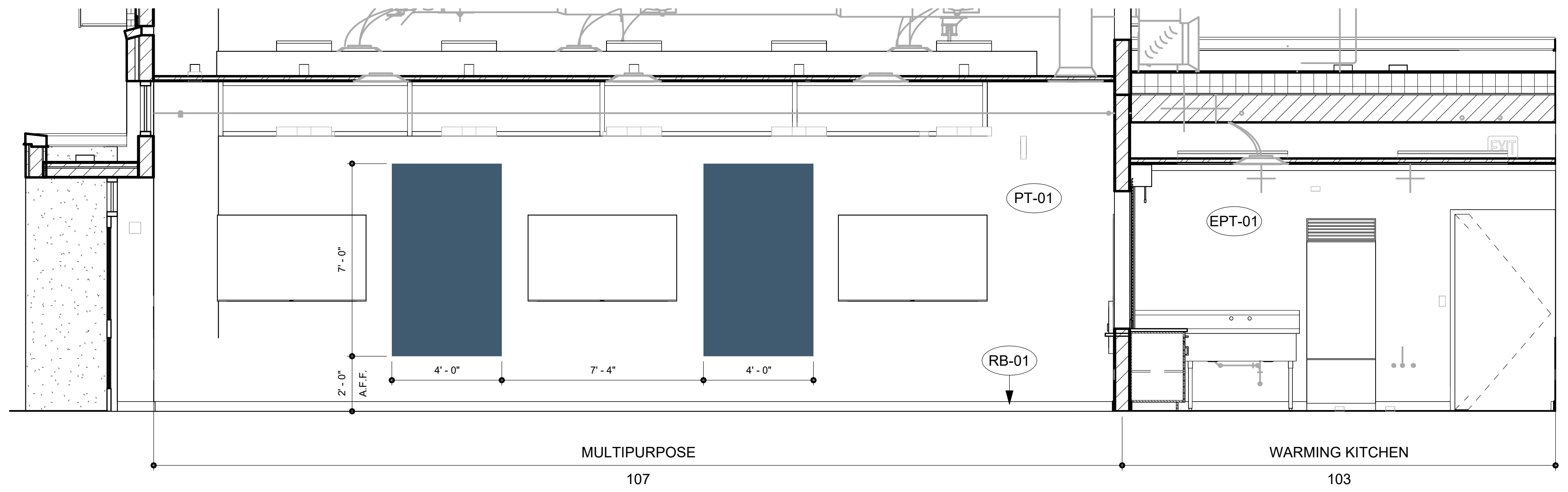
A. ACOUSTICAL WALL PADDING (MULTIPURPOSE 107)



1 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



2 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION LEGEND

100 — ARCHITECTURAL WOODWORK STANDARDS CASEWORK DESIGN SERIES NUMBER
24" — DEPTH
84" — HEIGHT
36" — WIDTH

INTERIOR ELEVATION NOTES

1. ALL WALL CABINET 30" HIGH HAVE EXTRA SHELF, U.O.N.

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PROJECT RECORD SEAL

ERNEST W.
OLDS
WILMINGTON, NC
10151

7/31/2026

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WILMINGTON, NC
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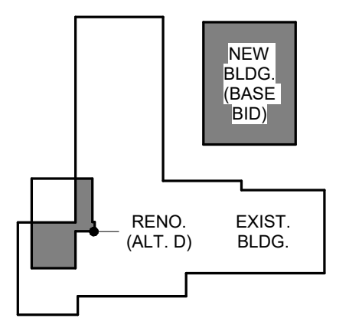
ISSUED: 07.31.2026

SHEET TITLE

INTERIOR ELEVATIONS (ALTERNATES)

KEY MAP



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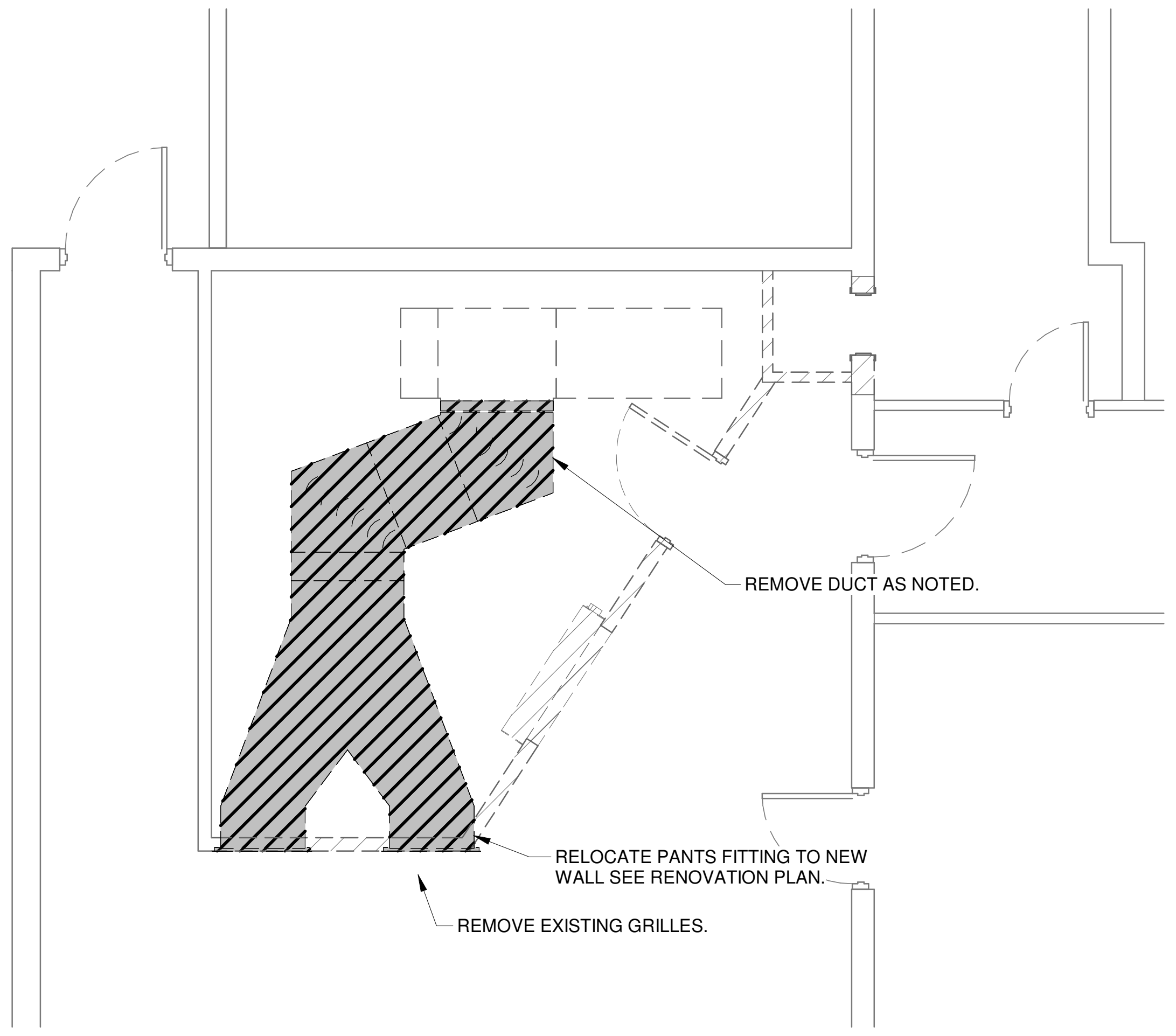
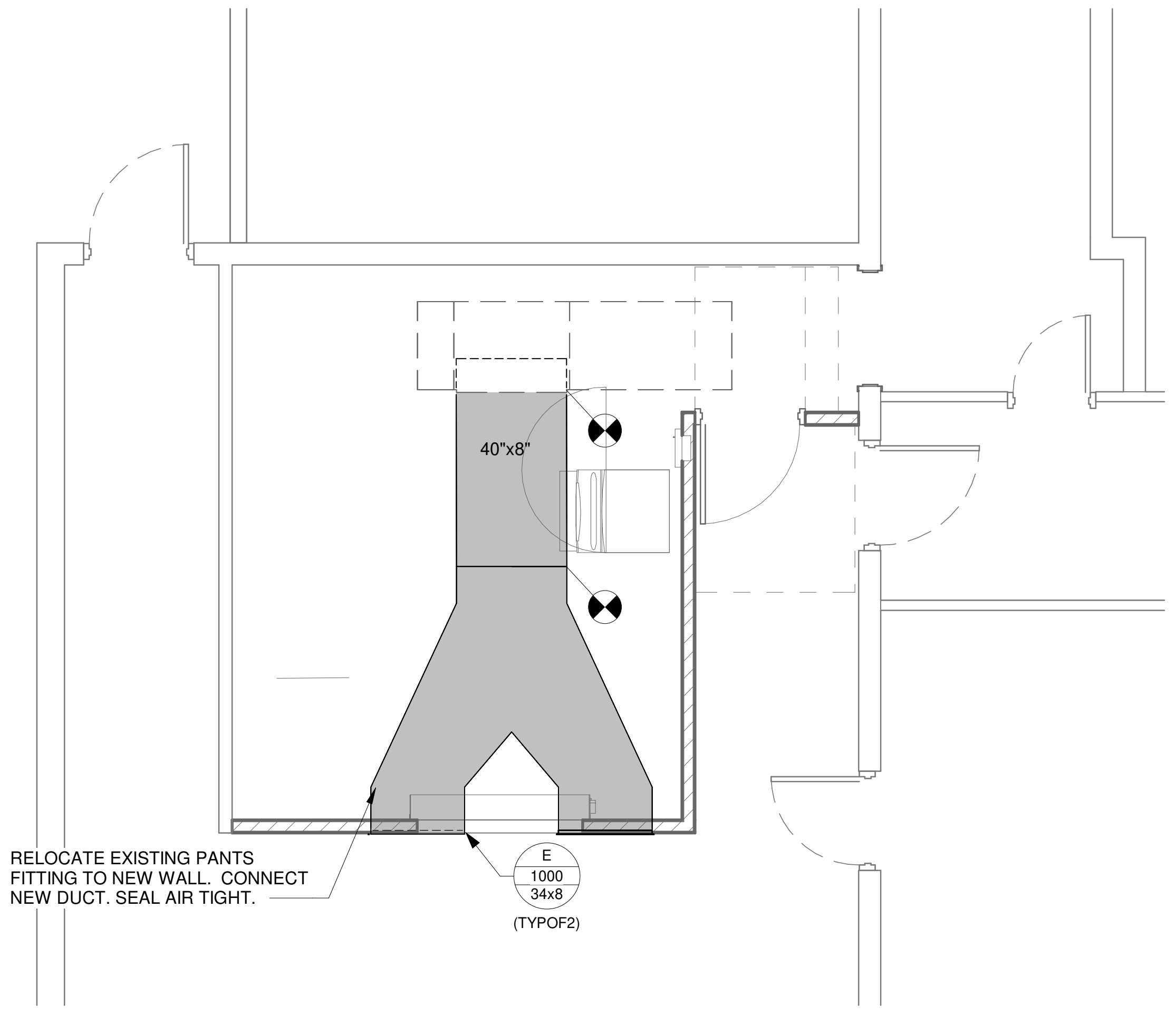

REMOVE DUCT AS NOTED.

RELOCATE PANTS FITTING TO NEW WALL SEE RENOVATION PLAN.

REMOVE EXISTING GRILLES.

1 MECHANICAL PARTIAL PLAN EXISTING DEMO

1/4" = 1'-0"



RELOCATE EXISTING PANTS FITTING TO NEW WALL. CONNECT NEW DUCT. SEAL AIR TIGHT.

2 MECHANICAL PARTIAL PLAN EXISTING RENOVATION

1/4" = 1'-0"

DEMOLITION LEGEND

⬚	EXISTING DUCT TO REMAIN IN PLACE
☒	EXISTING GRILLE TO BE REMOVED
▨	EXISTING DUCT TO BE REMOVED

DEMOLITION NOTES

1. MECHANICAL CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PRIOR TO BID AND VERIFY COMPLETE UNDERSTANDING OF PROJECT SCOPE WITH EXISTING CONDITIONS. PLANS ARE BASED ON AS-BUILT DRAWINGS AND MAY NOT COMMUNICATE THE FULL EXTENT OF EVERY COMPONENT OF EXISTING MECHANICAL SYSTEMS.
2. REMOVE 2 EXISTING GRILLES ON WALL TO DINING HALL.
3. RELOCATE EXISTING PANT FITTING TO NEW WALL. SEE RENOVATION PLAN.

RENOVATION LEGEND

☒	NEW GRILLE
⬚	EXISTING DUCT TO REMAIN IN PLACE
▒	EXISTING DUCT TO BE RELOCATED
▬	NEW DUCTWORK

RENOVATION NOTES

1. MECHANICAL CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PRIOR TO BID AND VERIFY COMPLETE UNDERSTANDING OF PROJECT SCOPE WITH EXISTING CONDITIONS. PLANS ARE BASED ON AS-BUILT DRAWINGS AND MAY NOT COMMUNICATE THE FULL EXTENT OF EVERY COMPONENT OF EXISTING MECHANICAL SYSTEMS.
2. EXISTING PANTS LEG FITTING TO BE RELOCATED AND INSTALLED WITH NEW DUCT, INSULATION, AND NEW GRILLES.

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Phone: (803) 765-9421
www.mecainc.com

Designed:	RAB
Approved:	PPC
Job No.:	25210
Plot Date:	08/04/2026

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PROJECT RECORD SEAL

MECHANICAL ENGINEERING CONSULTING ASSOCIATES NO. C00097

PHILIP P. CLAYTOR No. 18709

7/31/2026

PROJECT TITLE

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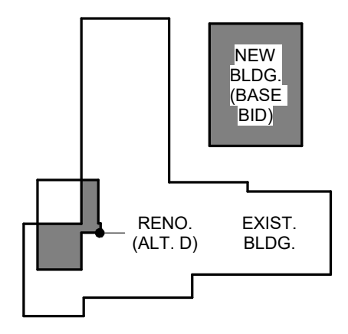
SHEET TITLE

MECHANICAL FLOOR PLAN

KEY MAP



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M101

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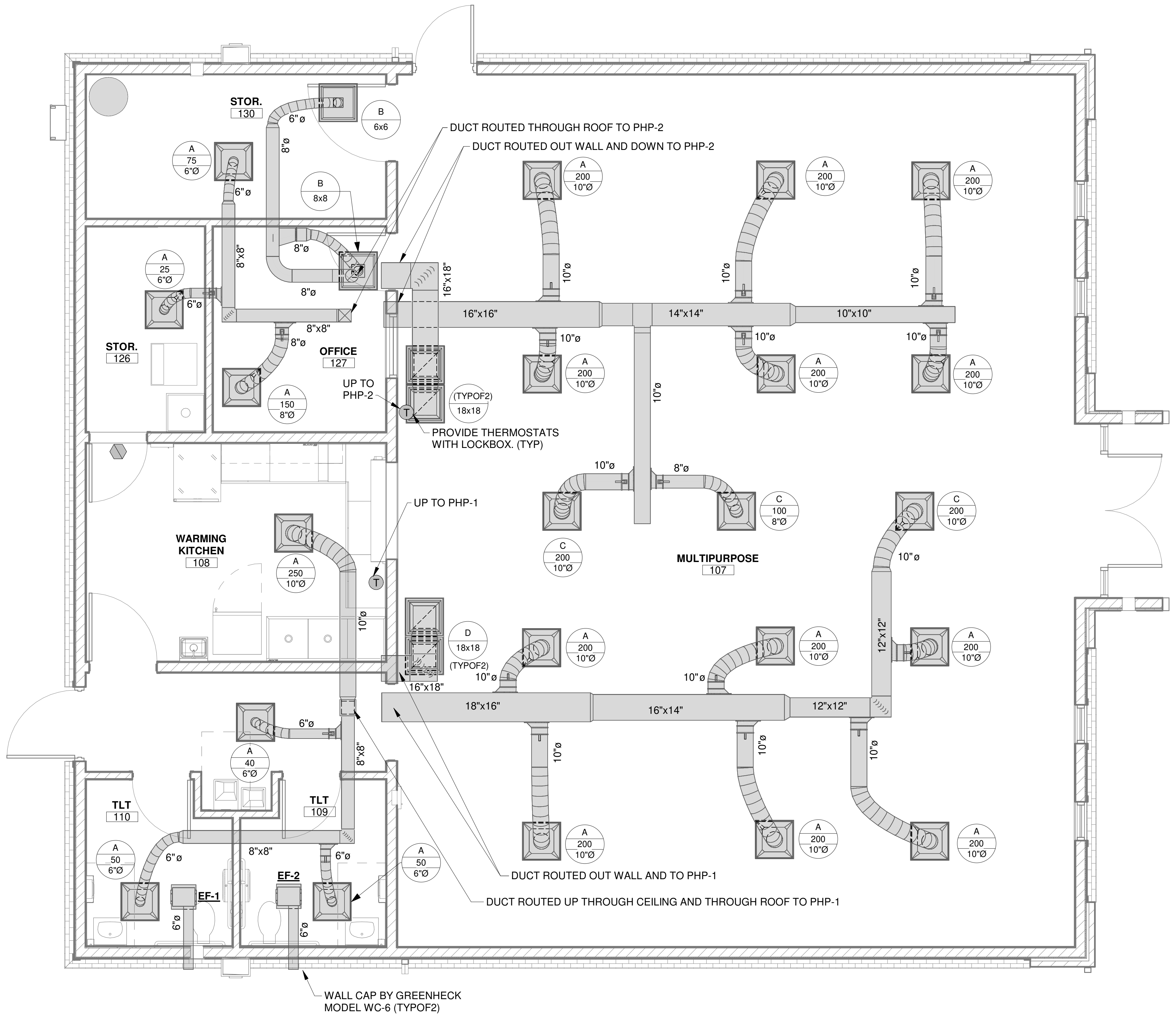

1 MECHANICAL PLAN NEW ADDITION

1/4" = 1'-0"

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PROJECT RECORD SEAL

NO. C00097

No. 18709
PHILIP P. CLAYTOR

7/31/2026

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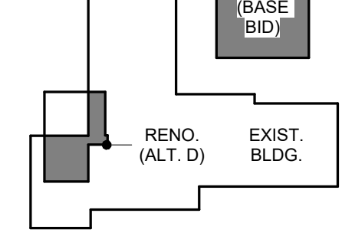
SHEET TITLE

FIRST FLOOR MECHANICAL NEW ADDITION

KEY MAP



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M102

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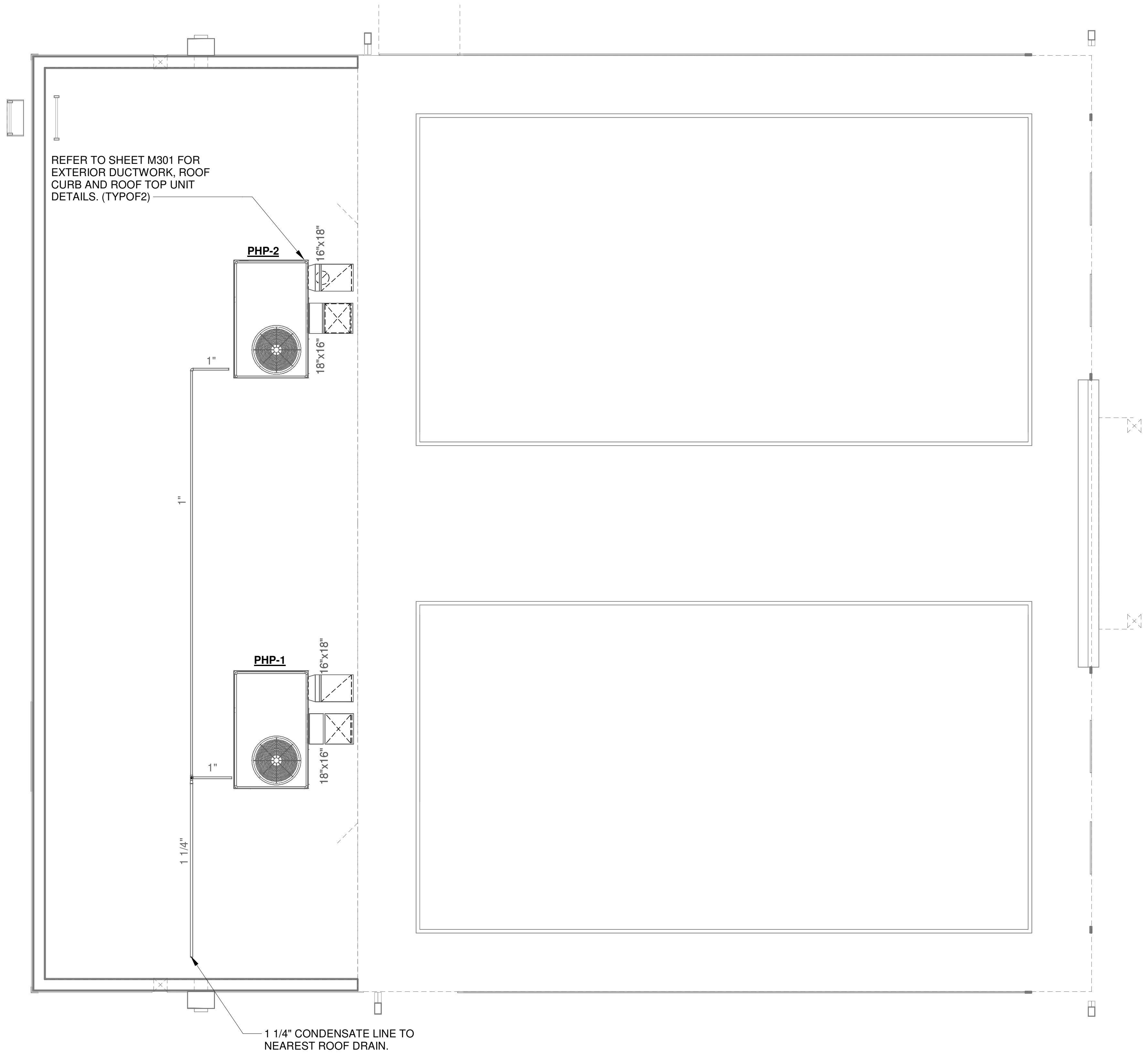
REFER TO SHEET M301 FOR EXTERIOR DUCTWORK, ROOF CURB AND ROOF TOP UNIT DETAILS. (TYPOF2)
PHP-2
16"x18"
18"x16"
1"
1"
PHP-1
16"x18"
18"x16"
1"
1 1/4"
1 1/4" CONDENSATE LINE TO NEAREST ROOF DRAIN.

1 MECHANICAL ROOF PLAN

1/4" = 1'-0"

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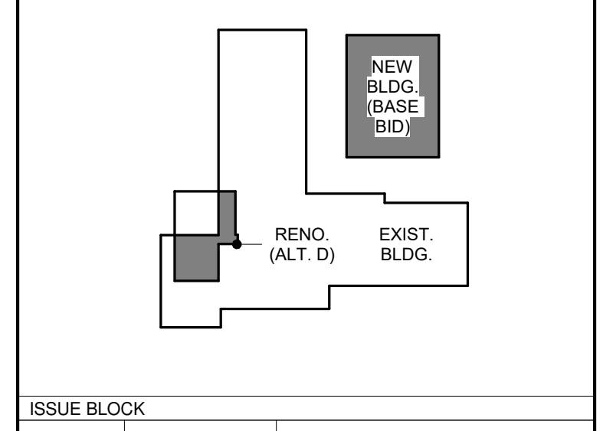
MECHANICAL ROOF PLAN NEW ADDITION

KEY MAP



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LEGEND

SUPPLY

A / 100 / 6"Ø
- DIFFUSER/GRILLE SYMBOL
- AIRFLOW CAPACITY (CFM)
- ROUND NECK SIZE (IN.)

RETURN

B / 6"Ø
- GRILLE/LOUVER/DAMPER SYMBOL
- ROUND NECK SIZE (IN.)

REFER TO GRILLE & DIFFUSER LEGEND FOR SCHEDULING DETAILS
DIMENSIONS NOTED ON PLANS ARE IN INCHES UNLESS OTHERWISE NOTED.

MECHANICAL SYMBOLS

⊠	SUPPLY AIR DUCT SECTION	⊠	4-WAY CEILING DIFFUSER
◿	RETURN AIR DUCT SECTION	◿	CEILING RETURN/EXHAUST GRILLE
Ⓣ	THERMOSTAT	—M	MOTORIZED DAMPER
S	SWITCH	◐	CONNECT TO EXISTING
⬡	UNDERCUT DOOR	— C —	CONDENSATE PIPING
⌐	TURNING VANES	— - ┐	MANUAL DAMPER

MECHANICAL NOTES

-DO NOT SCALE DRAWING. ROUGH FROM EQUIPMENT MANUFACTURER AND ARCHITECTURAL DRAWINGS.

-DIMENSIONS NOTED ON PLANS ARE IN INCHES UNLESS OTHERWISE NOTED.

-DUCT SIZES NOTED ON PLANS ARE INTERIOR DIMENSIONS.

-PROVIDE BALANCING DAMPERS AT ALL EXHAUST AIR TAKE OFFS.

-ROUTE COPPER ON ROOF INSULATED CONDENSATE DRAIN LINES TO ROOF DRAINS, GUTTERS, FLOOR DRAINS, FRENCH DRAIN OR AS SHOWN ON DRAWINGS.

-MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EQUIPMENT VOLTAGES, ELECTRICAL REQUIREMENTS AND DISCONNECTS WITH THE ELECTRICAL CONTRACTOR PRIOR TO RELEASING EQUIPMENT FROM MANUFACTURER.

-PROVIDE ALL UNSECURED EQUIPMENT WITH LOCKING REFRIGERANT CAPS PER IMC 1101.10

-ALL DUCTWORK SHOWN ON DRAWING IS DIAGRAMMATIC. ACTUAL RUN SHALL BE SHORTEST POSSIBLE WITHOUT SHARP BENDS. ALL DUCTWORK SHALL BE GALVANIZED STEEL INSTALLED PER SMACNA, INTERNATIONAL AND LOCAL CODES WITH 2-1/4" THICK FIBERGLASS DUCT WRAP INSULATION AND/OR AS OUTLINED IN SPECIFICATIONS.

-ALL DUCTWORK SHALL BE SEALED AIRTIGHT WITH MASTIC. NO HEAT SENSITIVE, PRESSURE SENSITIVE OR DUCT TAPE ALLOWED ON PROJECT.

-ALL DUCTWORK SHALL BE PRESSURE TESTED TO THE FOLLOWING REQUIREMENTS, SEALED PER SMACNA LEAKAGE CLASS GUIDELINES, AND MANUFACTURER RECOMMENDATIONS UNLESS OTHERWISE NOTED ON CONTRACT DOCUMENTS.
  - -NEGATIVE PRESSURE DUCTWORK (RETURNS AND EXHAUST) SHALL BE TESTED AND NOT EXCEED 3% AIRLFOW LOSS AT 2" PRESSURE CLASS.
  - -LOW PRESSURE DUCTWORK (SUPPLY UP TO 2" W.C.) SHALL BE TESTED AND NOT EXCEED 3% AIRFLOW LOSS AT 2" PRESSURE CLASS.

-ALL DUCTWRAP INSULATION SHALL BE SEALED PER MANUFACTURER'S RECOMMENDATIONS FOR GLASS FABRIC AND MASTIC INSTALLATIONS. NO PRESSURE SENSITIVE TAPE SHALL BE ALLOWED.

-FLEXIBLE DUCTWORK WILL BE ALLOWED AT THE END OF GALVANIZED STEEL RUN OUTS; MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL NOT EXCEED 8'-0". REFER TO TYPICAL RUN OUT DETAIL.

-ENTIRE MECHANICAL SYSTEMS SHALL BE INSTALLED PER 2021 INTERNATIONAL CODES WITH 2021 SOUTH CAROLINA MODIFICATIONS EXCEPT THE ENERGY CODE SHALL BE 2009 SOUTH CAROLINA ENERGY CONSERVATION CODE. ALSO, ALL LOCAL CODES & AUTHORITY HAVING JURISDICTION SHALL APPLY.

-COORDINATION OF ALL MECHANICAL SYSTEMS WITH OTHER DISCIPLINES IS THE RESPONSIBILITY OF THE CONTRACTOR. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO INSTALLING. CONTRACTOR SHALL NOT PROCEED WITH UNCERTAINTY.

-PROVIDE PLASTIC NAMEPLATES FOR ALL EQUIPMENT SPECIFIED ON PROJECT. LABELING TAG SHALL BE SAME AS EQUIPMENT NUMBER.

-ALL PIPING SUPPORT SPACING SHALL BE PER MSS-SP69 AND WITHIN 18" OF CHANGE IN DIRECTION.

-ALL EQUIPMENT, PIPE AND DUCT SHALL BE SEISMICALLY RESTRAINED PER 2021 IBC. SEISMIC RESTRAINT SYSTEMS AS MANUFACTURED BY MASON INDUSTRIES, AMBER/BOOTH OR APPROVED EQUAL WHO MUST BE A MEMBER OF VISCMA. CONTRACTOR TO PROVIDE SEISMIC CALCULATIONS AND DRAWINGS CERTIFIED AND STAMPED BY AN ENGINEER EMPLOYED BY THE MANUFACTURER. CALCULATIONS TO MEET ICC, IBC, NFPA, ASCE/SEI 7-10, SMACNA AND AUTHORITY HAVING JURISDICTION (AHJ).

-PROVIDE TESTING AND BALANCING OF ALL SYSTEMS BY A THIRD PARTY AABC OR NEBB CERTIFIED T&B CONTRACTOR. SUBMIT T&B FORMS PRIOR TO PERFORMING WORK FOR APPROVAL.

-GENERAL AND MECHANICAL CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ENGINEER/ARCHITECT WITH "APPROVED" OR "APPROVED AS NOTED" STAMPS FOR ENGINEER'S 10 CALENDAR DAY REVIEW.

AIR DISTRIBUTION SCHEDULE

SYMBOL	TYPE	MANUFACTURER	MODEL NUMBER	FINISH	DAMPER	REMARKS
A	LAY-IN DIFFUSER	PRICE	ASPD-31	OFF-WHITE	W/OBD	
B	LAY-IN RETURN	PRICE	APDDR-3	OFF-WHITE	---	FLAT BLACK PLENUM
C	SURF. MTD. DIFFUSER	PRICE	ASPD-31	OFF-WHITE	W/OBD	12"x12" FACE PANEL FOR 6" W/ PLASTER FRAME
D	SURF. MTD. RETURN	PRICE	APDDR-1	OFF-WHITE	---	12"x12" FACE PANEL FOR 6" W/ PLASTER FRAME
E	SIDEWALL DIFFUSER	PRICE	RCG-C-L	ALUMINUM	W/OBD	COLOR PER ARCHITECT
	LOUVER	RUSKIN	ELF81S30	KYNAR 500		COLOR PER ARCHITECT
——┘	MANUAL DAMPER	RUSKIN	MD-35/MDRS-25	MILL		
——M	MOTORIZED DAMPER	RUSKIN	CD-60/CDRS-25	MILL		

REMARKS

- ALTERNATE AIR DISTRIBUTION SUPPLIERS SHALL INSURE THAT "NC" AND PERFORMANCE DATA MATCHES SPECIFIED DEVICES.

- COORDINATE ALL AIR DISTRIBUTION STYLES AND LOCATIONS WITH ARCHITECTURAL CEILING GRID AND ELECTRICAL LIGHT LAYOUT PRIOR TO SUBMITTING SHOP DRAWINGS OR ORDERING.

FAN SCHEDULE

SYMBOL	EF-1 & 2		
MANUFACTURER	GREENHECK		
MODEL NUMBER	SP-B110ES		
AIRFLOW (C.F.M.)	70		
STATIC PRESSURE (IN.)	0.3		
DRIVE TYPE	DIRECT		
DAMPER SIZE (IN)	6" Ø		
SONES	2.5		
MOTOR HORSEPOWER	FRACT		
FAN R.P.M.	555		
VOLTAGE	115/1/60		
WEIGHT (EXCLUDING CURB) (LBS.)	11		

REMARKS:

-PRIOR TO ORDERING, CONTRACTOR SHALL VERIFY VOLTAGE AND ALL ELECTRICAL REQUIREMENTS.

-PROVIDE ALL EXHAUST FANS WITH SOLID STATE SPEED CONTROLLERS AND BACK DRAFT DAMPERS.

-PROVIDE ALL EXHAUST FANS WITH OCCUPANCY SENSORS.

PACKAGE ROOFTOP HEAT PUMP SCHEDULE

SYMBO		RTP-1 & 2				
MANUFAC TURE		TRANE				
MODEL		WSK060A3S0E				
AIRFLOW		1750				
EXT. STATIC PRESSURE		0.56				
TOTAL COOLING CAP.(NET		56,160				
SENSIBLE CAP. (NET		44,670				
ENTERING AIR		77/64				
UNIT LEAVING AIR		54.7/53.5/52				
OUTDOOR AMBIENT		95				
INTEGRATED HTG. CAP. @		--				
INDOOR	HORSEPOWER	1.0				
FA	R.P.M	960				
MOTOR	FULL LOAD	--				
OUTDOOR	NUMBE	1				
FA	H.P.	0.33				
MOTOR	R.P.M.(EAC	1100				
COMPRESSOR	NUMBE	1				
	R.L.A.	16.5				
	L.R.A.	--				
AUXILIARY HEATER		12				
ELEC TRIC A	MIN. CIRC.	66				
	MAX. FUSE	70				
	VOLTAGE	208/3/60				
SEER/EER		14.3/12.0				
HSPF/C.O.P.		8.2/3.50				
OUTSIDE AIRFLOW		175				
UNIT WEIGHT		721				
NOMINAL		5				

REMARKS

-PRIOR TO ORDERING, CONTRACTOR SHALL VERIFY VOLTAGE AND ALL ELECTRICAL

-ALL CAPACITIES ARE NET AND INDOOR FAN HEAT HAS BEEN

-UNIT L.A.T. IS TEMPERATURE AFTER INDOOR FAN HEAT HAS BEEN

-EXTERNAL S.P. IS EXTERIOR TO UNIT/ HEATER

-PROVIDE HEAD PRESSURE CONTROL FOR COOLING OPERATION DOWN TO 0° F, FACTORY INSTALLED THRU-THE-BASE NON-FUSED DISCONNECT, POWERED CONVENIENCE OUTLET, SINGLE ENTRY POWER, MOTORIZED OUTSIDE AIR DAMPER, COIL ACCESS DOORS, COMPRESSOR SUMP HEATERS, PHASE MONITOR, CONDENSATE OVERFLOW SWITCH, STAINLESS STEEL DRAIN PAN, RACK W/ PLEATED FILTERS AND 5 YR. COMPRESSOR

-PROVIDE SEISMIC ROOF CURB SLOPED AS REQUIRED TO PROVIDE LEVEL UNIT INSTALLATION (SHIM NOT ALLOWED); HEIGHT ROOF SHALL BE PER ROOFING MANUFACTURER AND AS RECOMMENDED BY NRCA OR 12"

-PROVIDE DIGITAL THERMOSTAT WITH MANUAL/ AUTO/ 7 DAY PROGRAMMABLE SELECTABLE OPTIONS AND DE-HUMIDIFICATION 50% R.H. OPTION MODE TO BE DETERMINED BY

MECA
Mechanical Engineering
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2330 Main St.
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Phone: (803) 765-9421
www.mecainc.com

Designed:	RAB
Approved:	PPC
Job No.:	25210
Plot Date:	08/04/2026

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PROJECT RECORD SEAL

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
MECHANICAL ENGINEERING CONSULTING ASSOCIATES
NO. C00097

No. 18709
PHILIP P. CLAYTOR
7/31/2026

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

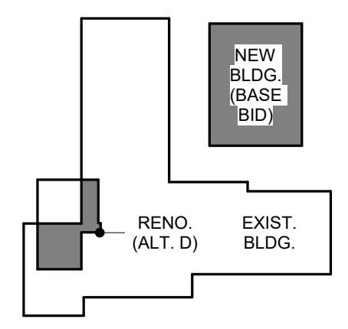
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

MECHANICAL SCHEDULES

KEY MAP



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DATE:	07.24.2026
SCALE:	As indicated
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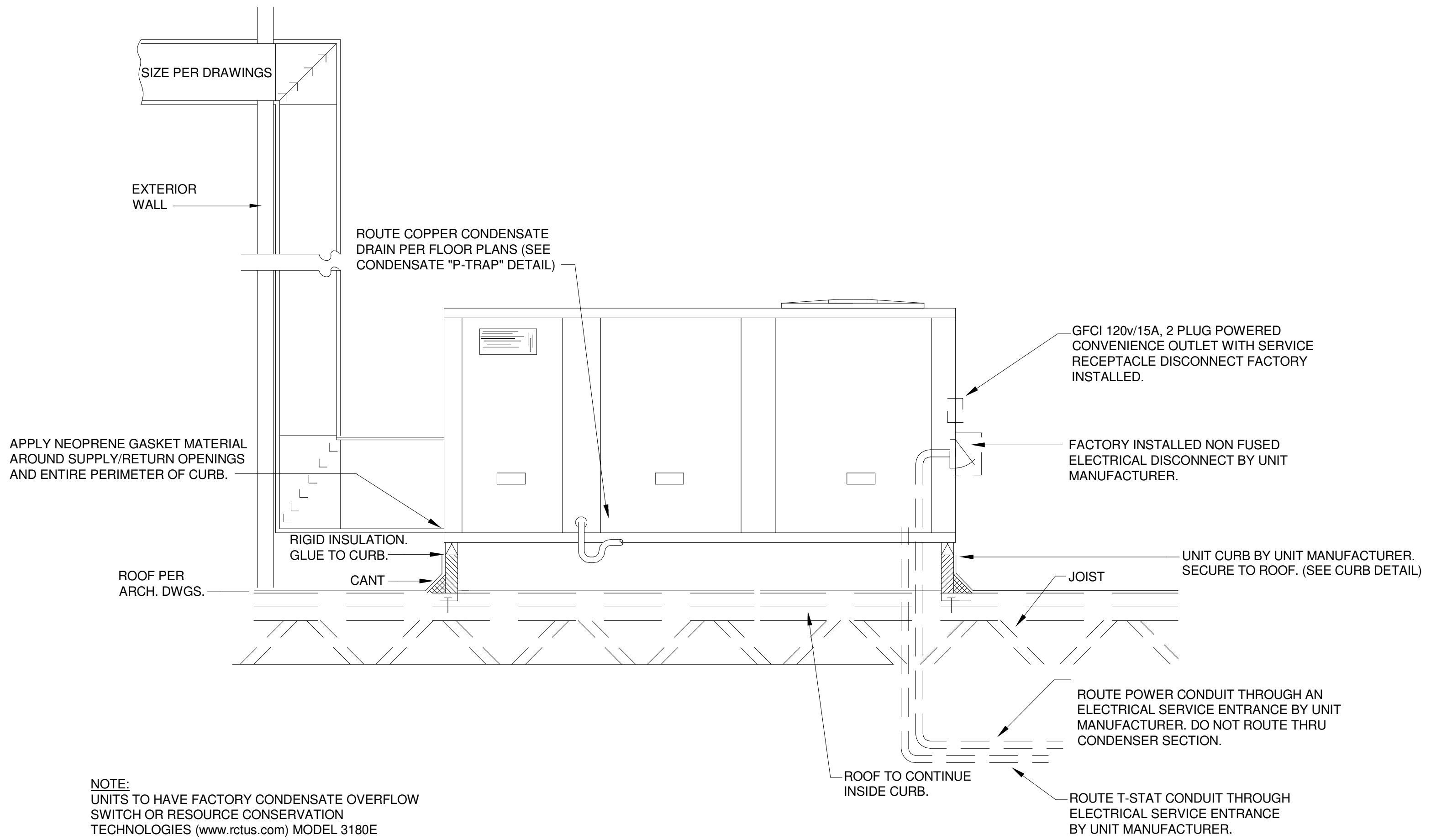
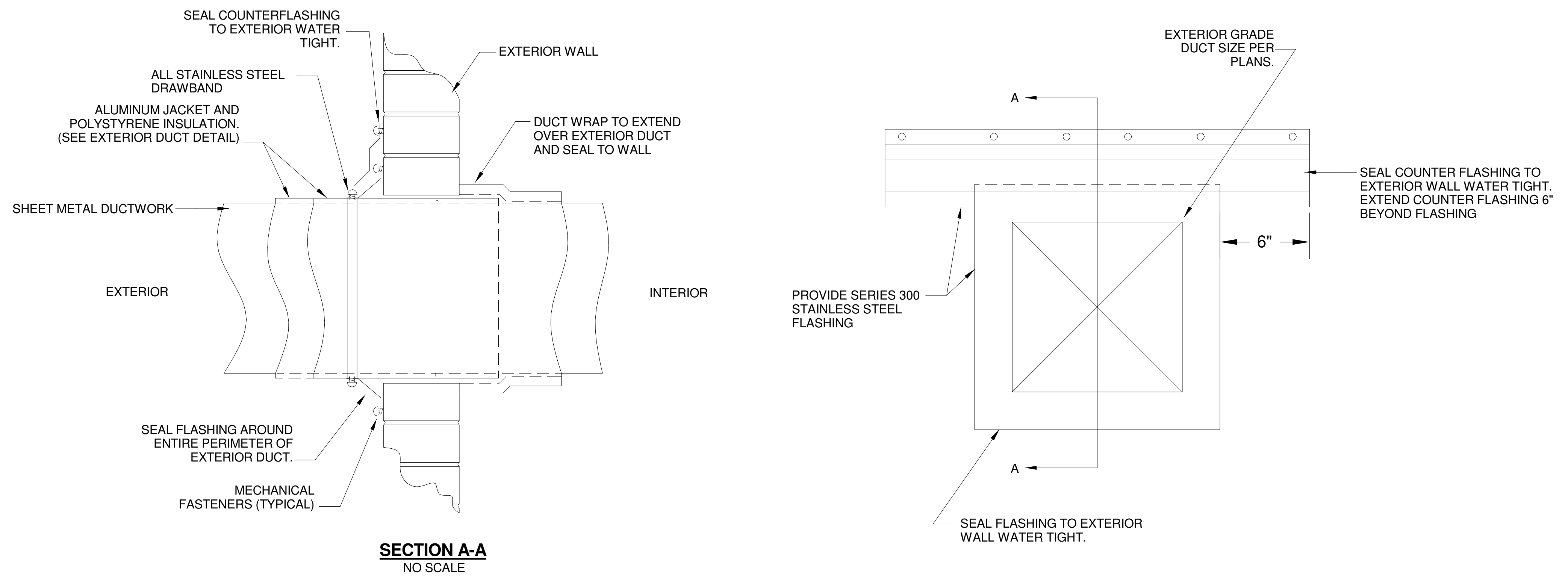
M201


SIZE PER DRAWINGS
EXTERIOR WALL
ROUTE COPPER CONDENSATE DRAIN PER FLOOR PLANS (SEE CONDENSATE "P-TRAP" DETAIL)
GFCI 120v/15A, 2 PLUG POWERED CONVENIENCE OUTLET WITH SERVICE RECEPTACLE DISCONNECT FACTORY INSTALLED.
APPLY NEOPRENE GASKET MATERIAL AROUND SUPPLY/RETURN OPENINGS AND ENTIRE PERIMETER OF CURB.
FACTORY INSTALLED NON FUSED ELECTRICAL DISCONNECT BY UNIT MANUFACTURER.
RIGID INSULATION. GLUE TO CURB.
UNIT CURB BY UNIT MANUFACTURER. SECURE TO ROOF. (SEE CURB DETAIL)
ROOF PER ARCH. DWGS.
CANT
JOIST
ROUTE POWER CONDUIT THROUGH AN ELECTRICAL SERVICE ENTRANCE BY UNIT MANUFACTURER. DO NOT ROUTE THRU CONDENSER SECTION.
ROOF TO CONTINUE INSIDE CURB.
ROUTE T-STAT CONDUIT THROUGH ELECTRICAL SERVICE ENTRANCE BY UNIT MANUFACTURER.

NOTE:
UNITS TO HAVE FACTORY CONDENSATE OVERFLOW SWITCH OR RESOURCE CONSERVATION TECHNOLOGIES (www.rctus.com) MODEL 3180E ELECTRONIC OVERFLOW SENSOR MOUNTED DIRECTLY TO THE PRIMARY DRAIN PAN.

ROOFTOP UNIT HORIZONTAL DISCHARGE DETAIL

NO SCALE


SEAL COUNTERFLASHING TO EXTERIOR WATER TIGHT.
EXTERIOR WALL
ALL STAINLESS STEEL DRAWBAND
ALUMINUM JACKET AND POLYSTYRENE INSULATION. (SEE EXTERIOR DUCT DETAIL)
DUCT WRAP TO EXTEND OVER EXTERIOR DUCT AND SEAL TO WALL
SHEET METAL DUCTWORK
EXTERIOR
INTERIOR
SEAL FLASHING AROUND ENTIRE PERIMETER OF EXTERIOR DUCT.
MECHANICAL FASTENERS (TYPICAL)
SECTION A-A
NO SCALE
EXTERIOR GRADE DUCT SIZE PER PLANS.
A
A
SEAL COUNTER FLASHING TO EXTERIOR WALL WATER TIGHT. EXTEND COUNTER FLASHING 6" BEYOND FLASHING
6"
PROVIDE SERIES 300 STAINLESS STEEL FLASHING
SEAL FLASHING TO EXTERIOR WALL WATER TIGHT.

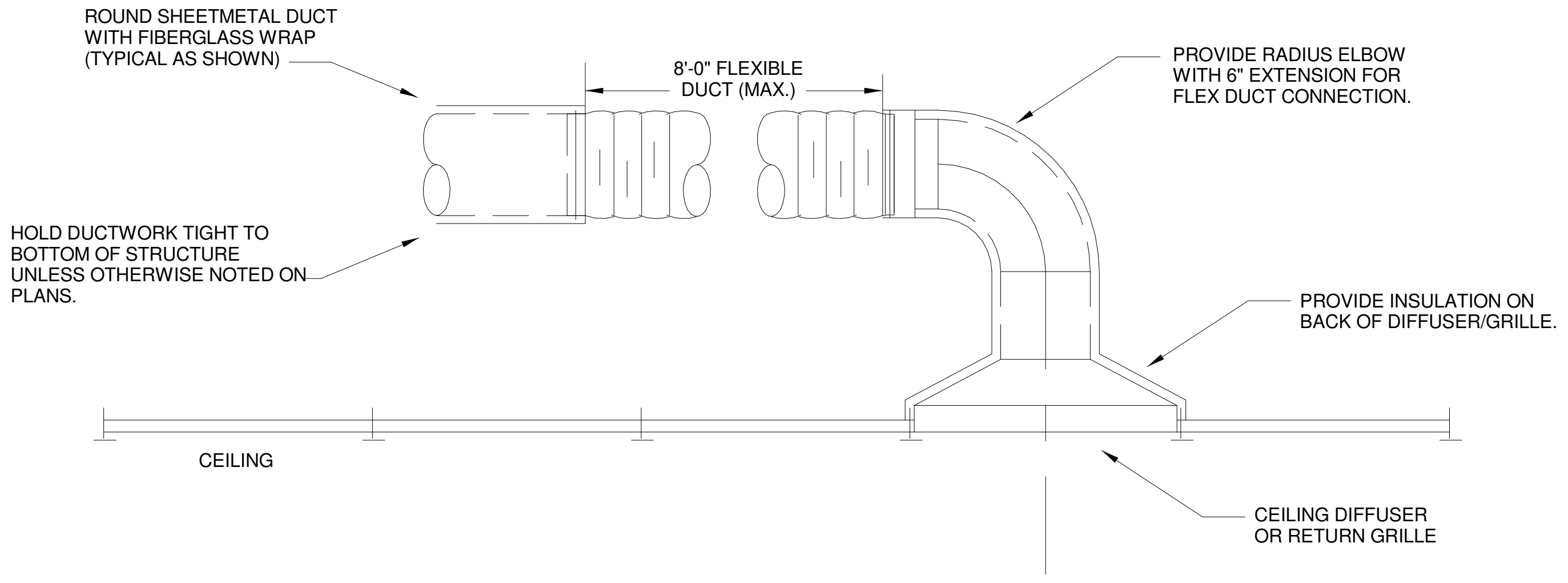
EXTERIOR SIDEWALL DUCT PENETRATION DETAIL

NO SCALE

GENERAL NOTES:

1) SUPPORT SHEETMETAL AND FLEXIBLE DUCTWORK PER SMACNA STANDARDS.

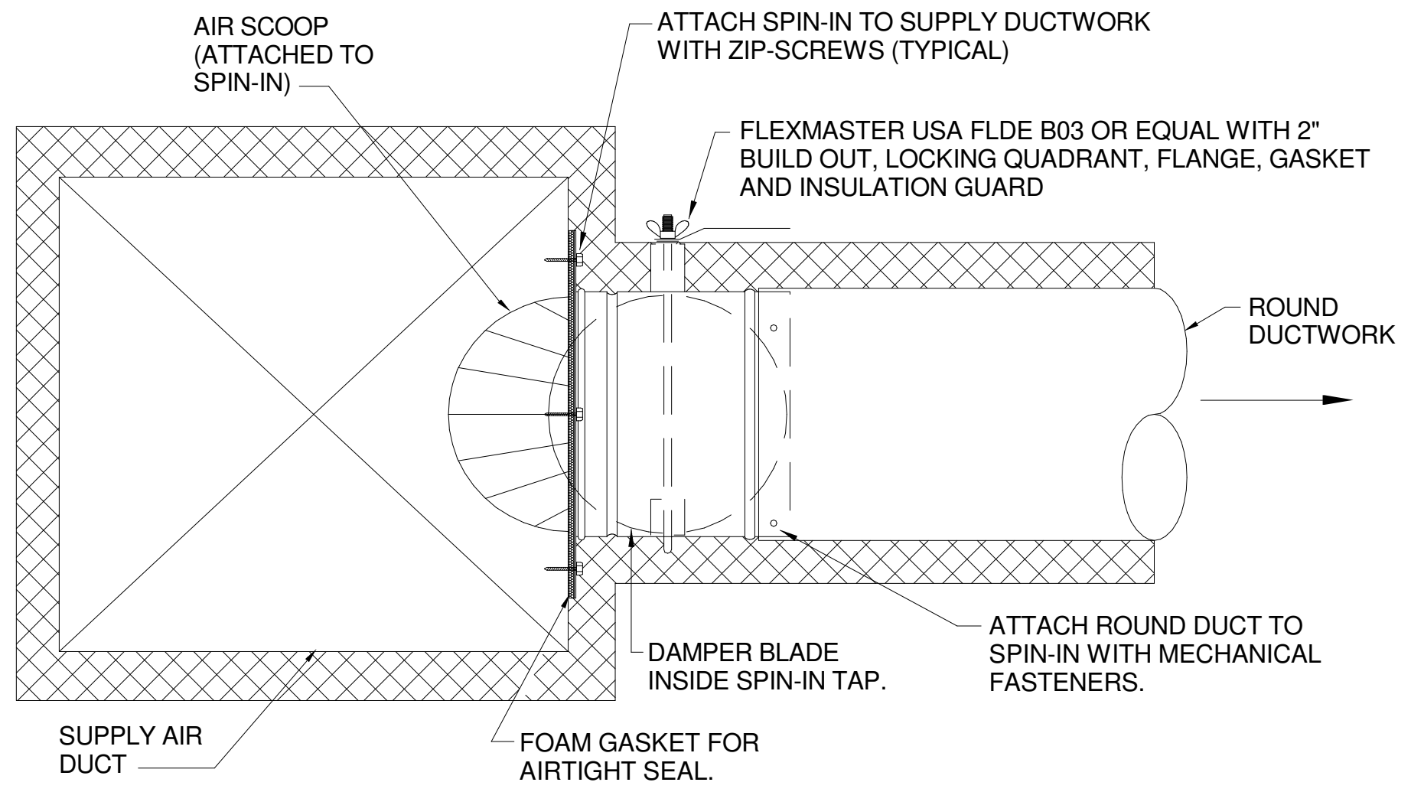
2) OVERLAP FLEXIBLE DUCTWORK MINIMUM 4" OVER SHEETMETAL DUCTWORK. SECURE LINER WITH ZIP TIE. STAPLE GLASS FABRIC TAPE TO DUCT WRAP AND MASTIC IN ORDER TO SEAL FLEXIBLE DUCTWORK.


ROUND SHEETMETAL DUCT WITH FIBERGLASS WRAP (TYPICAL AS SHOWN)
8'-0" FLEXIBLE DUCT (MAX.)
PROVIDE RADIUS ELBOW WITH 6" EXTENSION FOR FLEX DUCT CONNECTION.
HOLD DUCTWORK TIGHT TO BOTTOM OF STRUCTURE UNLESS OTHERWISE NOTED ON PLANS.
PROVIDE INSULATION ON BACK OF DIFFUSER/GRILLE.
CEILING
CEILING DIFFUSER OR RETURN GRILLE

TYPICAL ROUND DUCT RUNOUT DETAIL

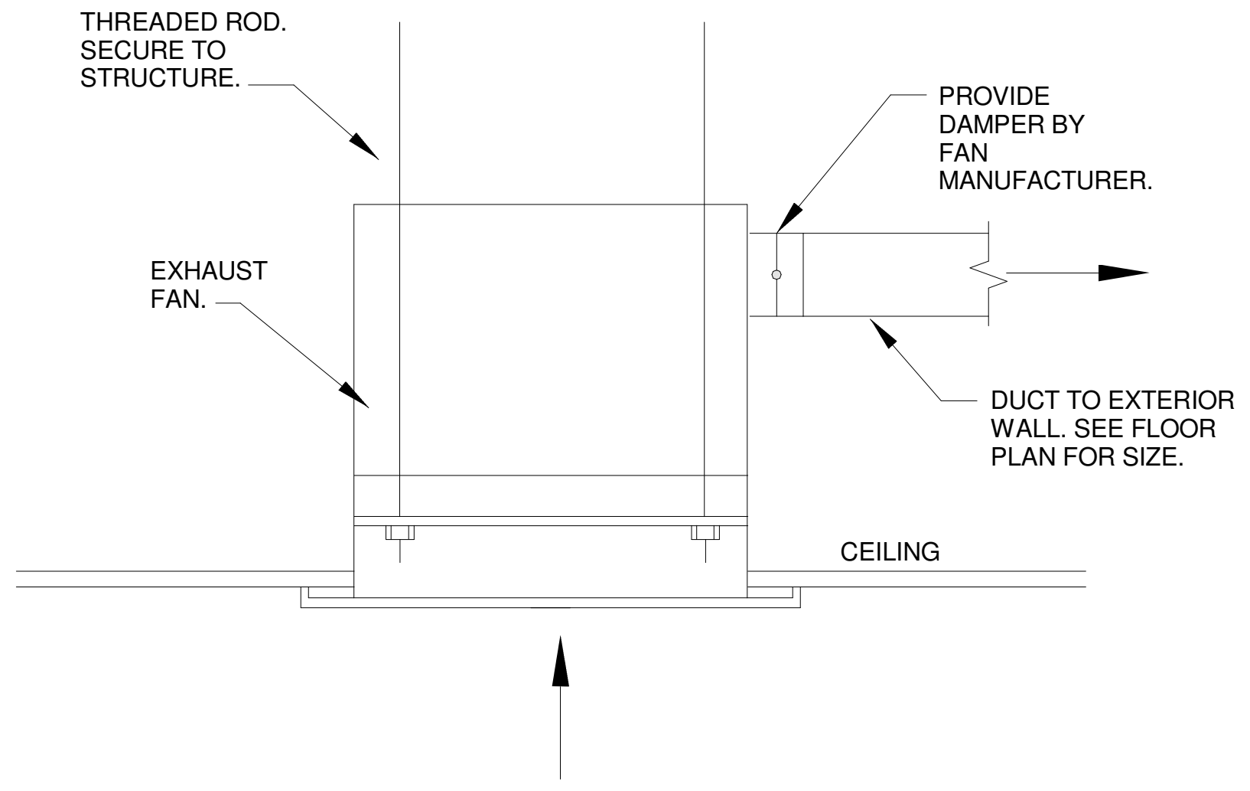
NO SCALE

NOTES:
IN INACCESSIBLE AREAS PROVIDE ELECTRONIC REMOTE DAMPER ACTUATOR OUTSIDE THE AIR STREAM BY RUSKIN MODEL # ZPD-25 OR EQUAL. ROUTE CABLES TO COMMON WALL MOUNTED BOX WITH FACEPLATE. PROVIDE TWO (2) REMOTES FOR TAB AND TWO (2) REMOTES FOR OWNER.


AIR SCOOP (ATTACHED TO SPIN-IN)
ATTACH SPIN-IN TO SUPPLY DUCTWORK WITH ZIP-SCREWS (TYPICAL)
FLEXMASTER USA FLDE B03 OR EQUAL WITH 2" BUILD OUT, LOCKING QUADRANT, FLANGE, GASKET AND INSULATION GUARD
ROUND DUCTWORK
DAMPER BLADE INSIDE SPIN-IN TAP.
ATTACH ROUND DUCT TO SPIN-IN WITH MECHANICAL FASTENERS.
SUPPLY AIR DUCT
FOAM GASKET FOR AIRTIGHT SEAL.

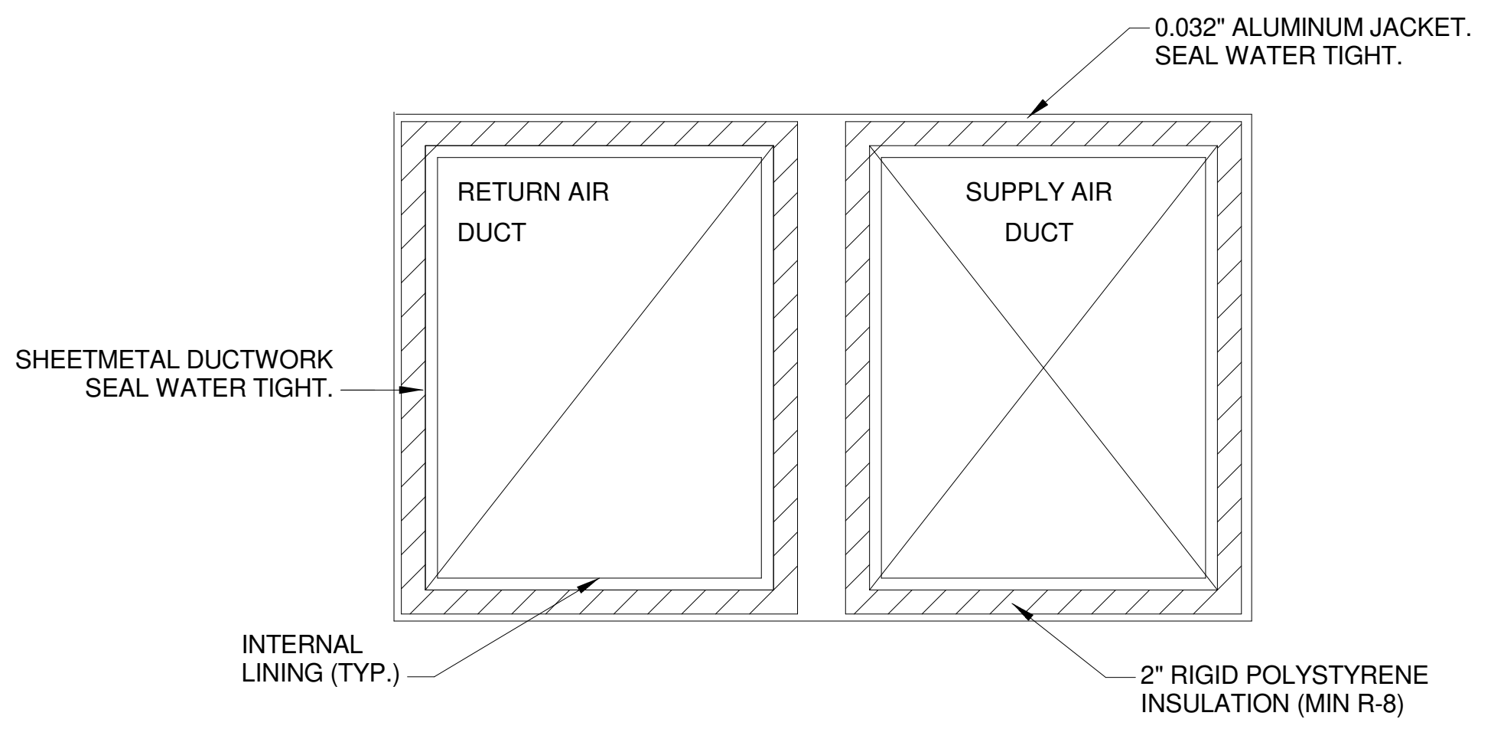
TYPICAL SPIN-IN DETAIL

NO SCALE


THREADED ROD. SECURE TO STRUCTURE.
PROVIDE DAMPER BY FAN MANUFACTURER.
EXHAUST FAN.
DUCT TO EXTERIOR WALL. SEE FLOOR PLAN FOR SIZE.
CEILING

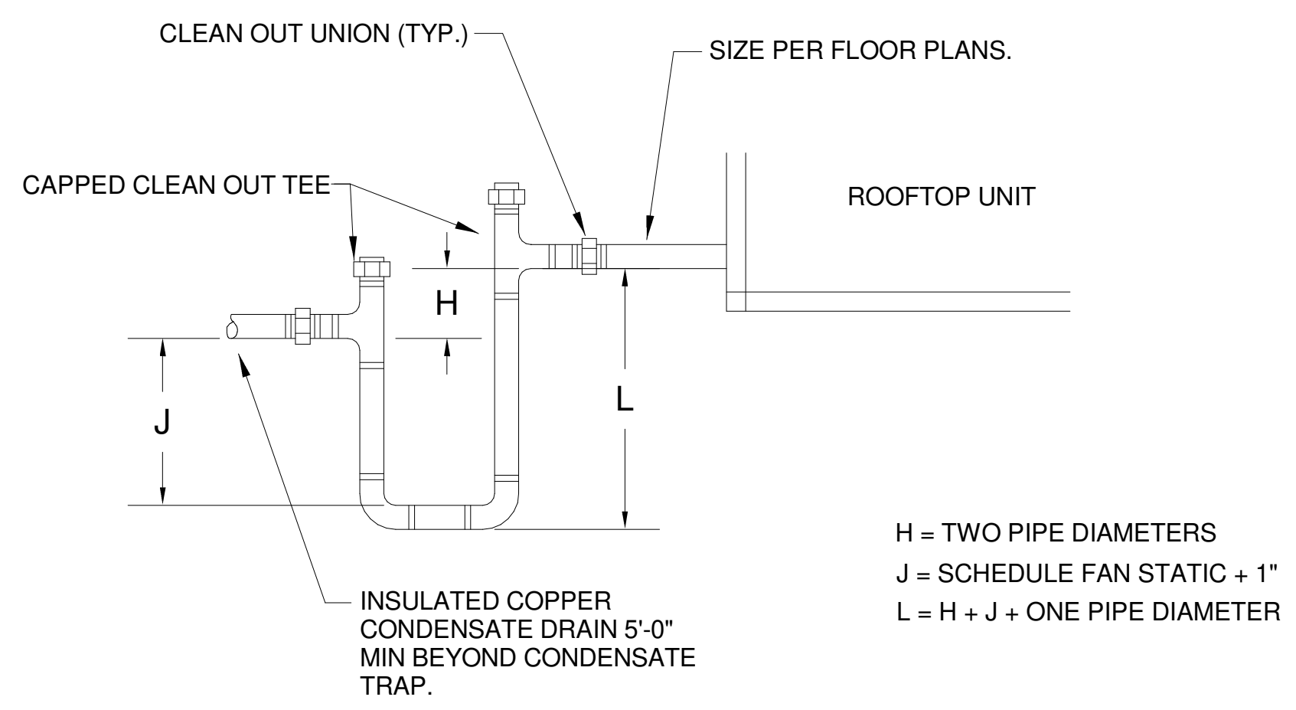
EXHAUST FAN DETAIL

NO SCALE


0.032" ALUMINUM JACKET. SEAL WATER TIGHT.
RETURN AIR DUCT
SUPPLY AIR DUCT
SHEETMETAL DUCTWORK SEAL WATER TIGHT.
INTERNAL LINING (TYP.)
2" RIGID POLYSTYRENE INSULATION (MIN R-8)

EXTERIOR DUCTWORK DETAIL

NO SCALE



H = TWO PIPE DIAMETERS
J = SCHEDULE FAN STATIC + 1"
L = H + J + ONE PIPE DIAMETER

RTU CONDENSATE "P-TRAP" DETAIL

NO SCALE

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PROJECT RECORD SEAL

MECHANICAL ENGINEERING CONSULTING ASSOCIATES NO. C00097

No. 18709
PHILIP P. CLAYTOR

7/31/2026

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

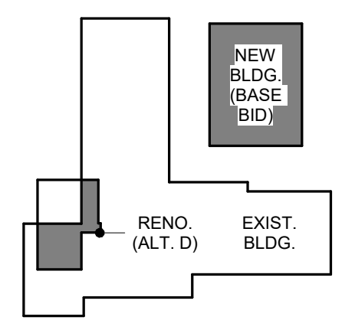
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

MECHANICAL DETAILS

KEY MAP



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RACEWAY MATERIAL USE TABLE

	APPLICATION	EMT	IMC	GRS	RAC	ENT	SCH 40 PVC	HDPE	AC/MC CABLE (3)	MFD. WIRING
	CONTRACTOR MAY USE ANY MATERIAL MARKED (●) FOR APPLICATION LISTED. IF MATERIAL IS NOT MARKED FOR AN APPLICATION, IT SHALL NOT BE USED FOR THAT APPLICATION.									
BRANCH CIRCUITS	CONCEALED ABOVE CEILING	●	●	●	●	NOT PERMITTED			●	NOT PERMITTED
	CONCEALED IN WALLS	●	●	●	●				●	
	EXPOSED FROM FLOOR TO 7'-0" A.F.F. (INTERIOR)		●	●	●					
	EXPOSED FROM 7'-0" A.F.F. AND ABOVE (INTERIOR)	●	●	●	●					
	IN OR UNDER CONCRETE FLOORS		(1) ●	(1) ●			●	●		
	OUTDOORS - BELOW GRADE		(1) ●	(1) ●			●	●		
	OUTDOORS - EXPOSED		●	●	●					
	STUB-UPS BELOW PANELS & ENCLOSURES		●	●	●					
	FEEDER CONDUITS		●	●	●		(2) ●			
	SERVICE ENTRANCE		●	●			(2) ●			

(1) WITH BITUMINOUS COATING. SEE SPEC.
(2) OUTDOORS - BELOW GRADE.
(3) PER SPECS AND DETAIL.

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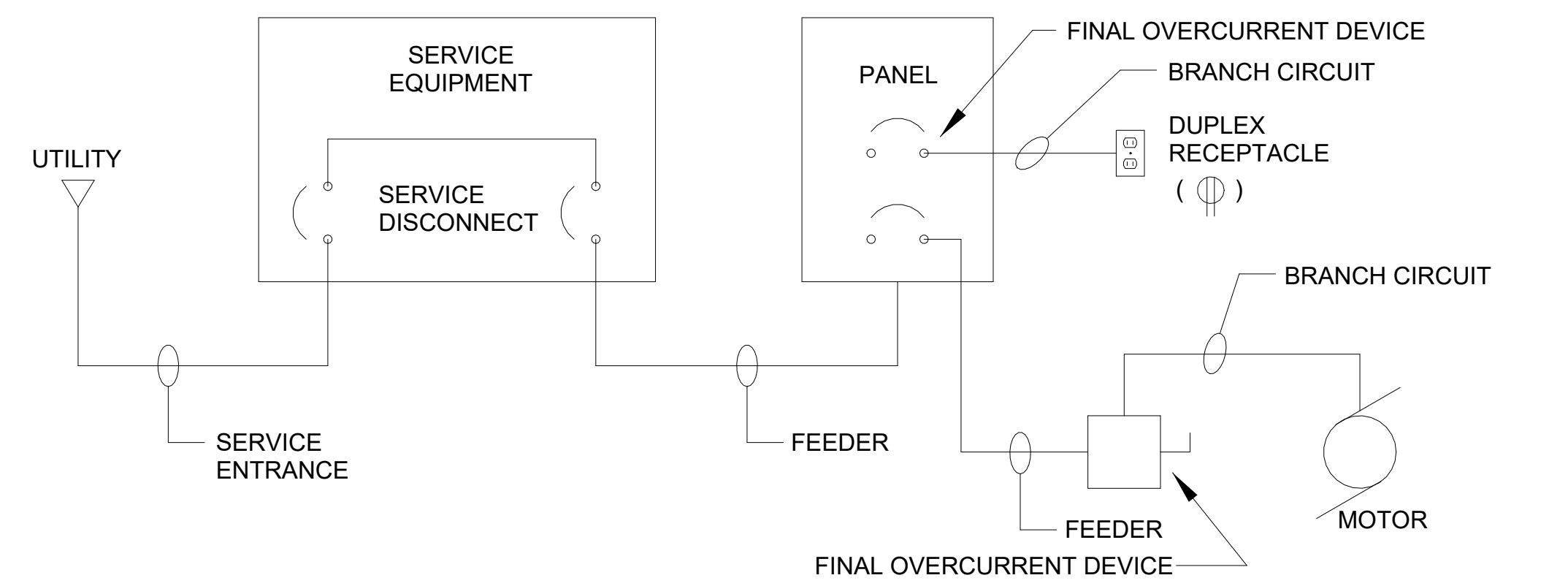

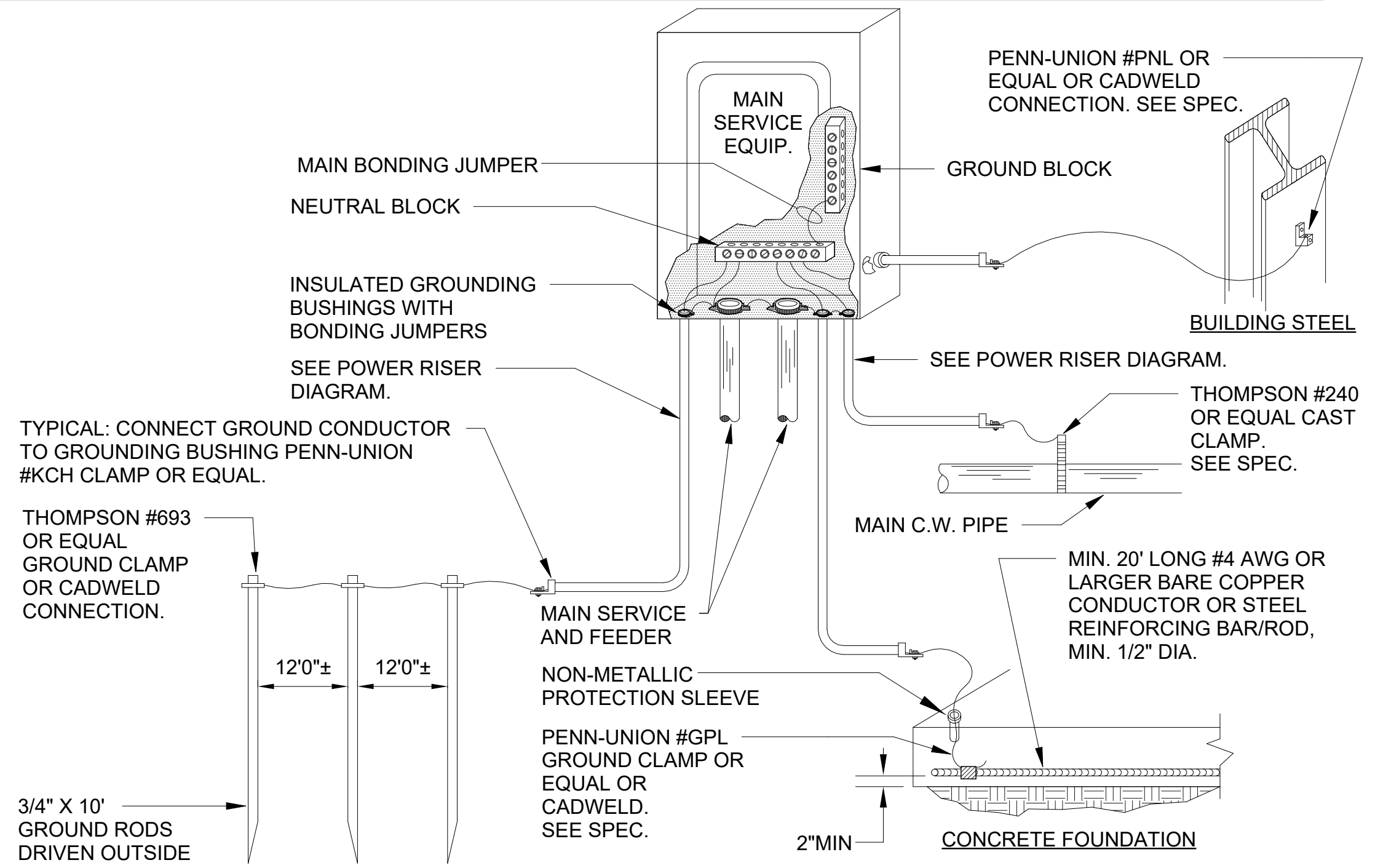
MAIN SERVICE EQUIP.
MAIN BONDING JUMPER
NEUTRAL BLOCK
GROUND BLOCK
PENN-UNION #PNL OR EQUAL OR CADWELD CONNECTION. SEE SPEC.
BUILDING STEEL
INSULATED GROUNDING BUSHINGS WITH BONDING JUMPERS
SEE POWER RISER DIAGRAM.
SEE POWER RISER DIAGRAM.
THOMPSON #240 OR EQUAL CAST CLAMP. SEE SPEC.
TYPICAL: CONNECT GROUND CONDUCTOR TO GROUNDING BUSHING PENN-UNION #KCH CLAMP OR EQUAL.
MAIN C.W. PIPE
THOMPSON #693 OR EQUAL GROUND CLAMP OR CADWELD CONNECTION.
MIN. 20' LONG #4 AWG OR LARGER BARE COPPER CONDUCTOR OR STEEL REINFORCING BAR/ROD, MIN. 1/2" DIA.
MAIN SERVICE AND FEEDER
12'0"±
12'0"±
NON-METALLIC PROTECTION SLEEVE
PENN-UNION #GPL GROUND CLAMP OR EQUAL OR CADWELD. SEE SPEC.
3/4" X 10' GROUND RODS DRIVEN OUTSIDE BUILDING.
2"MIN
CONCRETE FOUNDATION

GROUNDING OF MAIN SERVICE

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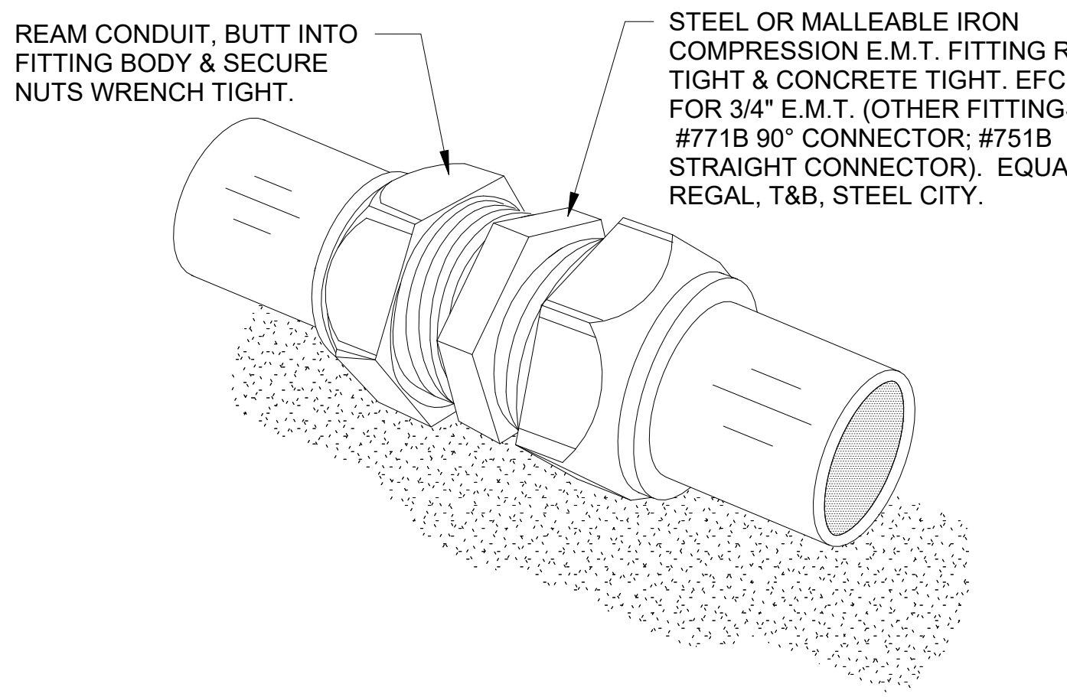
REAM CONDUIT, BUTT INTO FITTING BODY & SECURE NUTS WRENCH TIGHT.
STEEL OR MALLEABLE IRON COMPRESSION E.M.T. FITTING RAIN TIGHT & CONCRETE TIGHT. EFCOR #761 FOR 3/4" E.M.T. (OTHER FITTINGS EFCOR: #771B 90° CONNECTOR; #751B STRAIGHT CONNECTOR). EQUALS BY REGAL, T&B, STEEL CITY.

COMPRESSION TYPE CONDUIT FITTING

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ABBREVIATIONS

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THE FOLLOWING STANDARD ABBREVIATIONS ARE USED IN THESE PLANS AND SPECIFICATIONS. CONTRACTOR IS CAUTIONED THAT ALL ABBREVIATIONS LISTED MAY NOT BE USED; CONSULT PLANS AND SPECIFICATIONS FOR ABBREVIATIONS APPLICABLE TO THIS PROJECT.

A.F.F.	ABOVE FINISHED FLOOR
B.F.F.	BELOW FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
B.F.G.	BELOW FINISHED GRADE
U.N.O.	UNLESS NOTED OTHERWISE
CKT.	CIRCUIT
C.	CONDUIT
E.C.	EMPTY CONDUIT
FLX.	FLEXIBLE CONDUIT
WFLX	WEATHERPROOF FLEXIBLE CONDUIT
AHU	AIR HANDLING UNIT
FCU	FAN COIL UNIT
CU	CONDENSING UNIT
RTU	ROOF TOP HEATING/COOLING UNIT
HP	HEAT PUMP OR HORSEPOWER

BRANCH CIRCUIT WIRING - HASHMARK CODE

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BRANCH CIRCUITS SHOWN ON THESE DRAWINGS MAY INCLUDE HASHMARKS WHICH INDICATE THE NUMBER OF WIRES TO BE PROVIDED IN A CONDUIT RUN BETWEEN OUTLETS OR JUNCTION BOXES. WIRE SIZES SHALL BE AS TABULATED IN PANELBOARD SCHEDULES UNLESS OTHERWISE INDICATED ON PLAN. SEE SYMBOL SCHEDULE FOR CONDUIT ROUTING NOTATION. HASHMARK CODE IS AS FOLLOWS:

EACH PHASE AND NEUTRAL WIRE IN A CONDUIT RUN IS REPRESENTED BY A HASHMARK. FOR EXAMPLE -

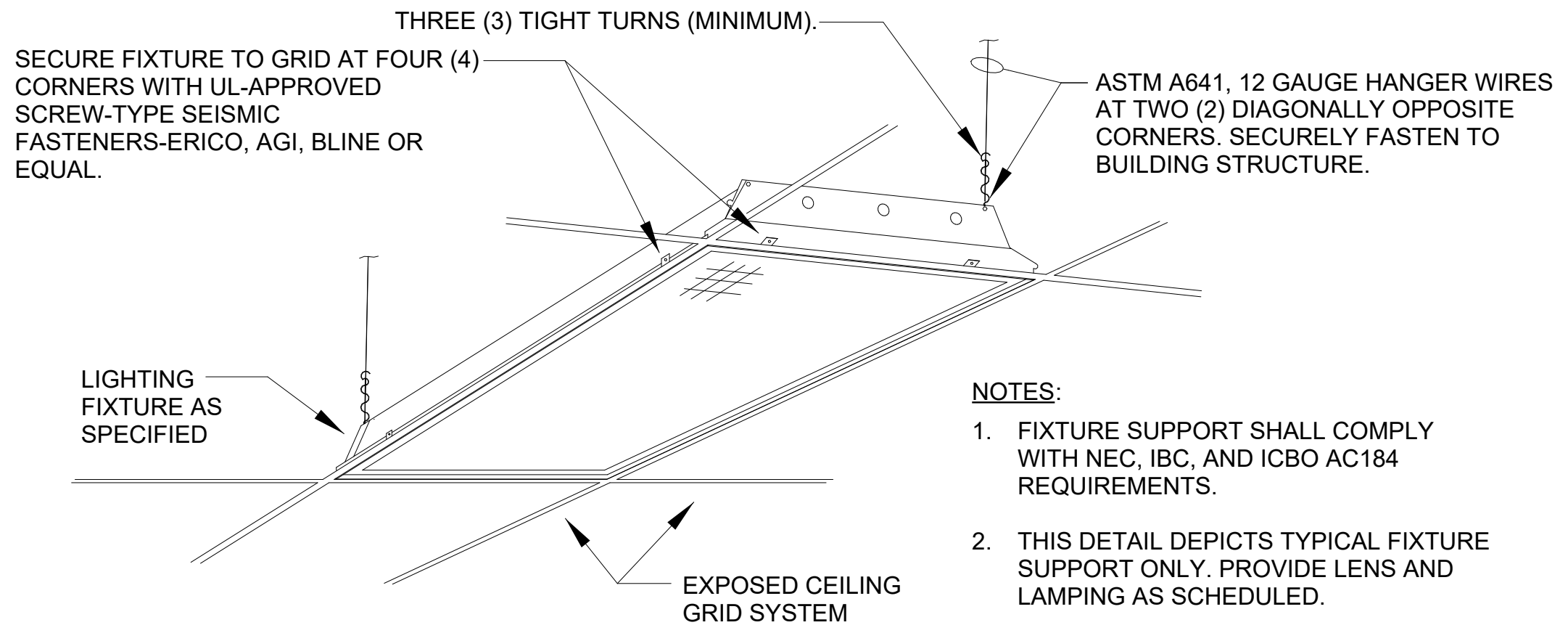
——►	TWO WIRES (NO HASHMARKS)
—///—►	THREE WIRES (3 HASHMARKS)
—////—►	FOUR WIRES (4 HASHMARKS)
—/////—►	FIVE WIRES (5 HASHMARKS)

. . . AND SO FORTH.

NOTE: GROUND WIRES ARE NOT GENERALLY SHOWN. EXAMINE SPECIFICATIONS AND GENERAL NOTES TO DETERMINE REQUIREMENTS FOR GROUND WIRES AND WHERE SPECIFIED, PROVIDE IN ADDITION TO THE NUMBER OF WIRES INDICATED BY HASHMARK CODE.

NOTE: CONTRACTOR IS CAUTIONED THAT MULTIWIRE (LINE-TO-NEUTRAL) BRANCH CIRCUITS DO NOT INDICATE ALL REQUIRED NEUTRAL CONDUCTORS. PROVIDE SEPARATE NEUTRAL CONDUCTORS (WITH COLORED STRIPE TO MATCH PHASE CONDUCTOR) FOR EACH PHASE CONDUCTOR.

EMPTY CONDUITS ARE NOTED BY "EC" WITH TRADE SIZE.


THREE (3) TIGHT TURNS (MINIMUM).
SECURE FIXTURE TO GRID AT FOUR (4) CORNERS WITH UL-APPROVED SCREW-TYPE SEISMIC FASTENERS-ERICO, AGI, BLINE OR EQUAL.
ASTM A641, 12 GAUGE HANGER WIRES AT TWO (2) DIAGONALLY OPPOSITE CORNERS. SECURELY FASTEN TO BUILDING STRUCTURE.
LIGHTING FIXTURE AS SPECIFIED
EXPOSED CEILING GRID SYSTEM

NOTES:

1. FIXTURE SUPPORT SHALL COMPLY WITH NEC, IBC, AND ICBO AC184 REQUIREMENTS.
2. THIS DETAIL DEPICTS TYPICAL FIXTURE SUPPORT ONLY. PROVIDE LENS AND LAMPING AS SCHEDULED.

RECESSED FIXTURE - TYPICAL HANGER SUPPORT

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GENERAL NOTES

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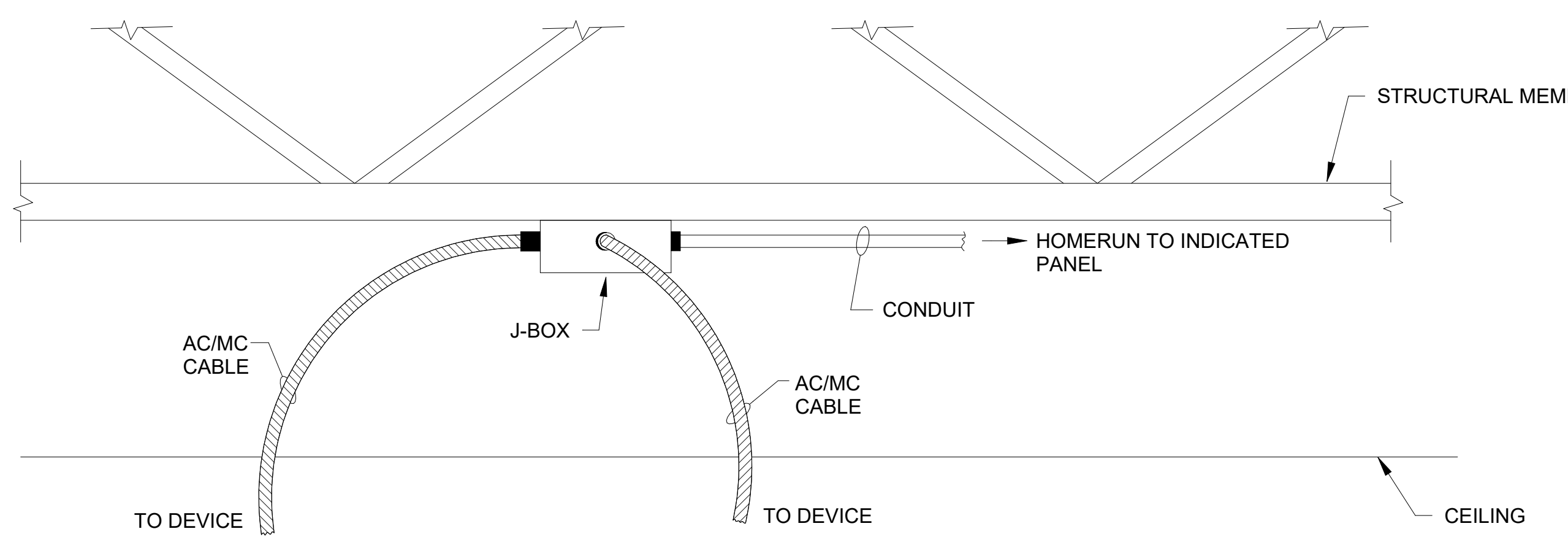
1. DO NOT SCALE DRAWINGS UNLESS DIMENSIONS ARE SHOWN. LOCATE OUTLETS AND EQUIPMENT AS OBVIOUSLY INDICATED AND COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS.
2. MINIMUM SIZE CONDUCTOR FOR POWER SHALL BE NO. 12 AWG.
3. ALL FUSES SHALL BE DUAL-ELEMENT TYPE, "FUSETRON" BY BUSSMAN, OR "ECON" BY ECONOMY.
4. BRANCH CIRCUIT SIZES ARE AWG 12-1/2"C. UNLESS OTHERWISE NOTED IN PANELBOARD SCHEDULES.
5. ALL BRANCH CIRCUIT LOADS SHALL BE BALANCED ACROSS PANELBOARD BUSSES TO OBTAIN MINIMUM NEUTRAL CURRENT.
6. ALL FLEXIBLE CONDUIT SHALL CONTAIN A GREEN WIRE BONDED TO RIGID RACEWAY, BOX OR FIXTURE AT EACH END OF FLEX. SIZE GROUND WIRE PER N.E.C. TABLE 250-122.
7. PROVIDE PULL CORD IN ALL EMPTY RACEWAYS.
8. ALL ELECTRICAL WORK ABOVE CEILINGS UTILIZED AS RETURN AIR PLENUMS SHALL COMPLY WITH N.E.C. AND LOCAL CODES FOR WIRING USED IN ENVIRONMENTAL AIR.
9. DO NOT MOUNT FLUSH JUNCTION BOXES BACK TO BACK. STAGGER JUNCTION BOXES TO REDUCE SOUND TRANSMISSION BETWEEN ROOMS.
10. CONTRACTOR SHALL MINIMIZE REMOVAL OF STRUCTURAL STEEL FIREPROOFING FOR INSTALLATION OF CONDUIT AND EQUIPMENT HANGERS. OBTAIN APPROVAL OF GENERAL CONTRACTOR PRIOR TO REMOVAL.
11. COORDINATE WITH OTHER TRADES TO CONCEAL ELECTRICAL WORK AND PROVIDE OUTLETS IN CORRECT LOCATIONS FOR EACH PIECE OF MECHANICAL OR ELECTRICAL EQUIPMENT CONNECTED.
12. COORDINATE DEVICE REQUIREMENTS AND MOUNTING HEIGHTS FOR ELECTRIC WATER COOLERS, AND THE LIKE WITH EQUIPMENT FURNISHED.
13. CONCEAL OUTLETS FOR ALL EQUIPMENT IN FINISHED AREAS. OBTAIN ROUGHING DIAGRAMS FOR ALL EQUIPMENT AND INSTALL ELECTRICAL WORK IN LOCATIONS AND HEIGHTS ACCORDING TO DIAGRAMS.
14. IN GENERAL, REFER TO DETAILS AND SYMBOL SCHEDULE FOR STANDARD DEVICE MOUNTING HEIGHTS. STUDY ARCHITECTURAL ELEVATIONS, SECTIONS AND CASEWORK DETAILS PRIOR TO ROUGHING AND ADJUST MOUNTING TO AVOID CONFLICTS, INCLUDING BACKSPLASHES. ALL DEVICE MOUNTING SHALL BE IN ACCORDANCE WITH ADA/ANSI A117.1.
15. CONTRACTOR SHALL VERIFY ALL DOOR SWINGS PRIOR TO ROUGHING - LOCATE SWITCHES AND OTHER DEVICES ACCORDINGLY.
16. MOUNT BRACKET TYPE LIGHTING FIXTURES AT HEIGHTS SHOWN OR SCHEDULED ON DRAWINGS OR AS DIRECTED ON JOB BY ARCHITECT, U.N.O.
17. ALL PENETRATIONS THRU WALLS, FLOORS, BARRIERS, PARTITIONS AND THE LIKE SHALL BE SEALED TIGHT. SEAL ALL PENETRATIONS THRU SMOKE TIGHT PARTITIONS WITH U.L. LISTED ASSEMBLIES OR METHODS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF SMOKE PARTITIONS.
18. FIRESTOP ALL RACEWAYS PASSING THRU FIRE-RATED WALLS, FLOORS OR PARTITIONS. USE U.L. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS APPROPRIATE FOR CONSTRUCTION AND WITH RATING EQUAL TO THAT BEING PENETRATED. SUBMIT SHOP DRAWINGS FOR SYSTEM(S) PROPOSED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND RATINGS.
19. OPENINGS GREATER THAN SIXTEEN(16) SQUARE INCHES IN FIRE-RATED WALLS AND PARTITIONS SHALL BE PROTECTED WITH U.L. LISTED SYSTEMS, COMPONENTS AND METHODS AS REQUIRED TO MAINTAIN RATING. PROVIDE PUDDY PADS, LIGHT COVERS, INSERTS, WRAPS, COLLARS AND THE LIKE AS REQUIRED.
20. ALL TYPEWRITTEN PANELBOARD DIRECTORIES, FIRE ALARM PROGRAMMING, LIGHTING CONTROL PROGRAMMING, LABELING AND THE LIKE SHALL UTILIZE FINAL OPERATIONAL ROOM NAMING SYSTEM AND SHALL REFLECT FINAL ROOM DESIGNATIONS. COORDINATE WITH ARCHITECT AND OWNER FOR FINAL NAMING.
21. HANGER WIRES SHALL NOT CONFLICT/TOUCH OTHER TRADES/EQUIPMENT.

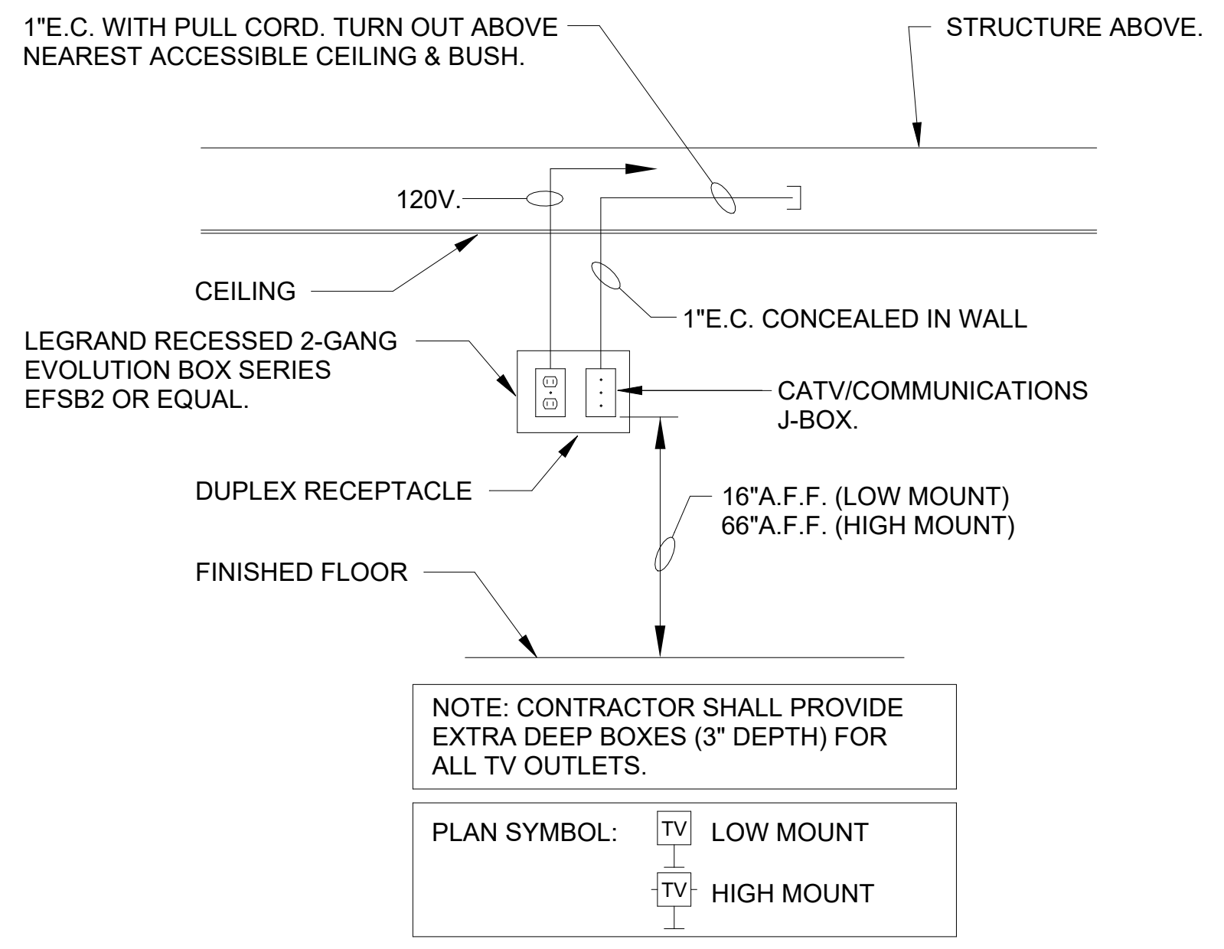


AC/MC CABLE DETAIL

NO SCALE

NOTES TO AC/MC CABLE DETAIL:

1. UPON COMPLETION OF WORK AND PRIOR TO INSTALLATION OF GYPSUM WALLBOARD, THE SYSTEM SHALL BE FREE OF SHORTS, GROUND FAULTS, AND OPEN CIRCUITS. TEST SYSTEMS AS REQUIRED AND FURNISH THE ENGINEER A TEST REPORT.
2. PROVIDE RED METALLIC RACEWAYS FOR ALL FIRE ALARM CONDUCTORS AND CABLES. AC/MC CABLE NOT PERMITTED.
3. PROVIDE METALLIC RACEWAYS FOR ALL PANELBOARD FEEDER CONDUITS. AC/MC CABLE NOT PERMITTED.
4. PROVIDE RACEWAYS FOR ALL SERVICE ENTRANCE CONDUITS. AC/MC CABLE NOT PERMITTED.
5. DO NOT BUNDLE OR STACK TOGETHER MORE THAN 10 AC/MC CABLES.
6. SEE MATERIAL RACEWAY USE TABLE.


1"E.C. WITH PULL CORD. TURN OUT ABOVE NEAREST ACCESSIBLE CEILING & BUSH.
STRUCTURE ABOVE.
120V.
CEILING
1"E.C. CONCEALED IN WALL
LEGRAND RECESSED 2-GANG EVOLUTION BOX SERIES EFSB2 OR EQUAL.
CATV/COMMUNICATIONS J-BOX.
DUPLEX RECEPTACLE
16"A.F.F. (LOW MOUNT)
66"A.F.F. (HIGH MOUNT)
FINISHED FLOOR

NOTE: CONTRACTOR SHALL PROVIDE EXTRA DEEP BOXES (3" DEPTH) FOR ALL TV OUTLETS.

PLAN SYMBOL:	
TV	LOW MOUNT
TV	HIGH MOUNT

TELEVISION OUTLET ASSEMBLY DETAIL

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ELECTRICAL SYMBOLS

◎	LIGHTING FIXTURE. CEILING (◎⊣ WALL MOUNT)
◑	FIXTURE INDICATED, CONNECTED TO EMERGENCY POWER SOURCE
▭	LIGHTING FIXTURE
◩	LIGHTING FIXTURE, CONNECTED TO EMERGENCY POWER SOURCE
⊗	EXIT LIGHT
⌂	EMERGENCY LIGHT UNIT
▬	PANELBOARD
□	SAFETY SWITCH
Ⓙ	FLUSH JUNCTION BOX CEILING (Ⓙ⊣ WALL)
J	PULL BOX OR JUNCTION BOX IN FLOOR
◙	PHOTOCELL, 1800VA U.N.O., AIM NORTH.
◪	TRANSIENT VOLTAGE SURGE SUPPRESSOR(TVSS)
○	CONDUIT STUB
⏀	DUPLEX RECEPTACLE (⏀ HIGH MOUNT)
⏀WP	WEATHERPROOF DUPLEX RECEPTACLE. 16" UP
⏀GFI	GROUND FAULT INTERRUPTER RECEPTACLE
EX	EXISTING; TO REMAIN
ER	EXISTING; BEING RELOCATED
EN	EXISTING; NEW LOCATION

$	TOGGLE SWITCH
$_3$	THREE WAY TOGGLE SWITCH
$_M$	MOTOR RATED TOGGLE SWITCH
●	WALL SWITCH - OCCUPANCY SENSOR 48" UP
OS	CEILING MOUNTED OCCUPANCY SENSOR
PM	PROGRAMMABLE MASTER SWITCH
PS	PROGRAMMABLE SWITCH
D	DIMMING CONTROL FOR LIGHTING
F	FIRE ALARM PULL STATION
▽F	FIRE ALARM HORN/SPEAKER/STROBE (HC DENOTES HIGH CANDELLA)
▷F◁	FIRE ALARM HORN/SPEAKER/STROBE
○F	FIRE ALARM STROBE (VISUAL ONLY) (HC DENOTES HIGH CANDELLA)
○F○	CEILING MOUNTED FIRE ALARM STROBE (VISUAL ONLY)
SD ▲	SMOKE DETECTOR
HD ▲	HEAT DETECTOR
DSD ▲	DUCT SMOKE DETECTOR WITH SAMPLING TUBE
FS ▲	FLOW SWITCH
TS ▲	TAMPER SWITCH
▼	TELEPHONE/DATA OUTLET (◀ HIGH MOUNT)
TV⊣	TELEVISION OUTLET (TV⊣ HIGH MOUNT)
▫	PUSHBUTTON
○□	BUZZER, BELL OR CHIME
Ⓔ	CONNECTION TO EXISTING CIRCUIT
⌒	BRANCH CIRCUIT RACEWAY - CONCEALED IN WALL OR CEILING
‿	BRANCH CIRCUIT RACEWAY - CONCEALED IN FLOOR OR UNDERGROUND
‿	BRANCH CIRCUIT RACEWAY - EXPOSED
⊗	TYPICAL: SYMBOLS DENOTE EXISTING. REMOVE COMPLETE.
✕	TYPICAL: "X" ON PLAN SYMBOLS DENOTES EXISTING. REMOVE COMPLETE.

NOTE: ALL DEVICES SHOWN ON THIS SCHEDULE ARE SYMBOLIC ONLY. SEE ELECTRICAL SPECIFICATIONS FOR EXACT DEVICE REQUIREMENTS AND PERFORMACE CHARACTERISTICS.

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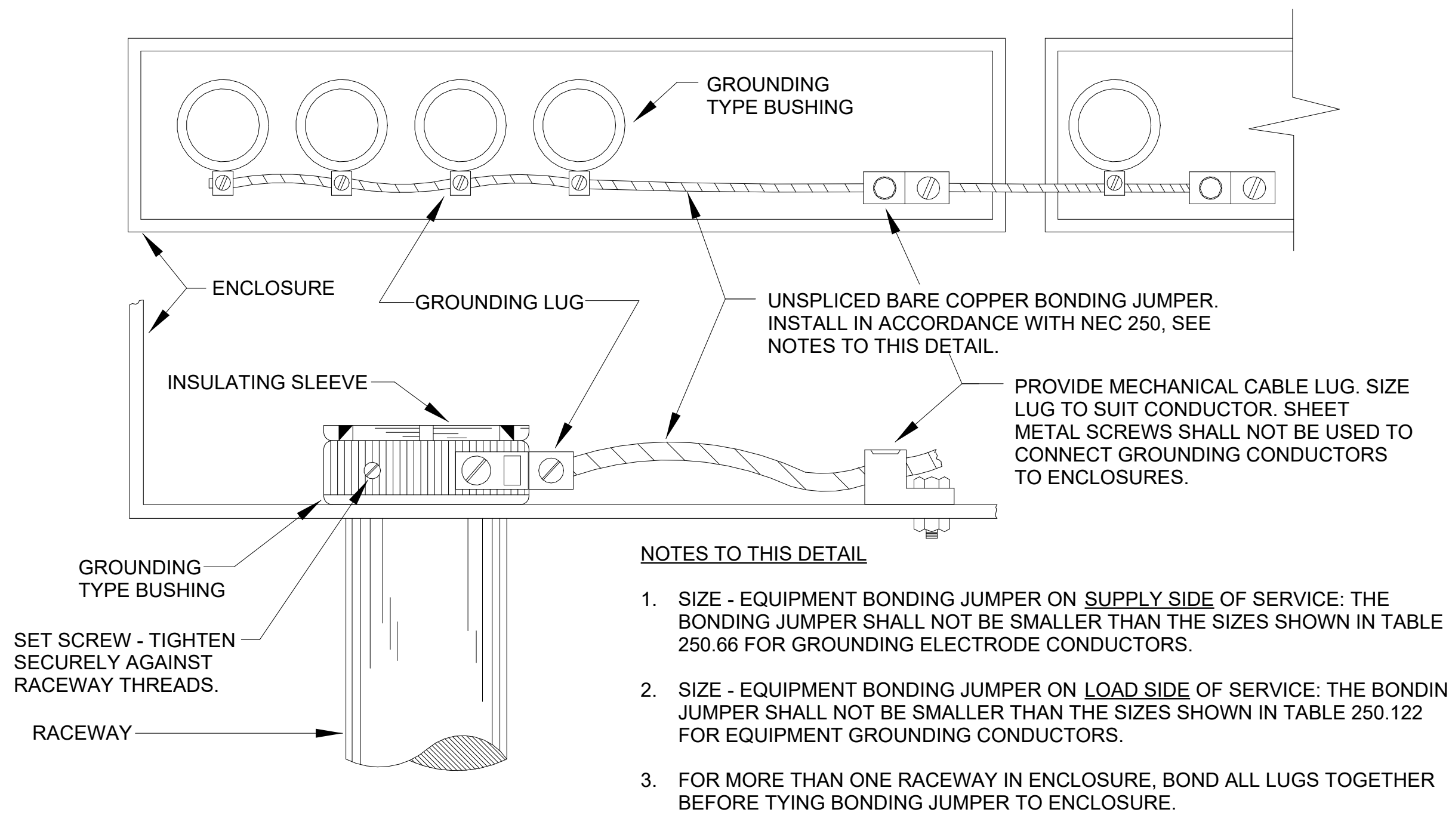
GROUNDING TYPE BUSHING
ENCLOSURE
GROUNDING LUG
UNSPLICED BARE COPPER BONDING JUMPER. INSTALL IN ACCORDANCE WITH NEC 250, SEE NOTES TO THIS DETAIL.
INSULATING SLEEVE
PROVIDE MECHANICAL CABLE LUG. SIZE LUG TO SUIT CONDUCTOR. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT GROUNDING CONDUCTORS TO ENCLOSURES.
GROUNDING TYPE BUSHING
SET SCREW - TIGHTEN SECURELY AGAINST RACEWAY THREADS.
RACEWAY

NOTES TO THIS DETAIL

1. SIZE - EQUIPMENT BONDING JUMPER ON SUPPLY SIDE OF SERVICE: THE BONDING JUMPER SHALL NOT BE SMALLER THAN THE SIZES SHOWN IN TABLE 250.66 FOR GROUNDING ELECTRODE CONDUCTORS.
2. SIZE - EQUIPMENT BONDING JUMPER ON LOAD SIDE OF SERVICE: THE BONDING JUMPER SHALL NOT BE SMALLER THAN THE SIZES SHOWN IN TABLE 250.122 FOR EQUIPMENT GROUNDING CONDUCTORS.
3. FOR MORE THAN ONE RACEWAY IN ENCLOSURE, BOND ALL LUGS TOGETHER BEFORE TYING BONDING JUMPER TO ENCLOSURE.
4. BOND BOTH ENDS OF EACH CONDUIT 1"C. AND LARGER.
5. EXTEND BONDING JUMPER TO EACH PANEL INCLUDING TWO-SECTION PANELS WITH FEED-THRU NIPPLES.

GROUNDING OF CONDUITS 1" C. AND LARGER

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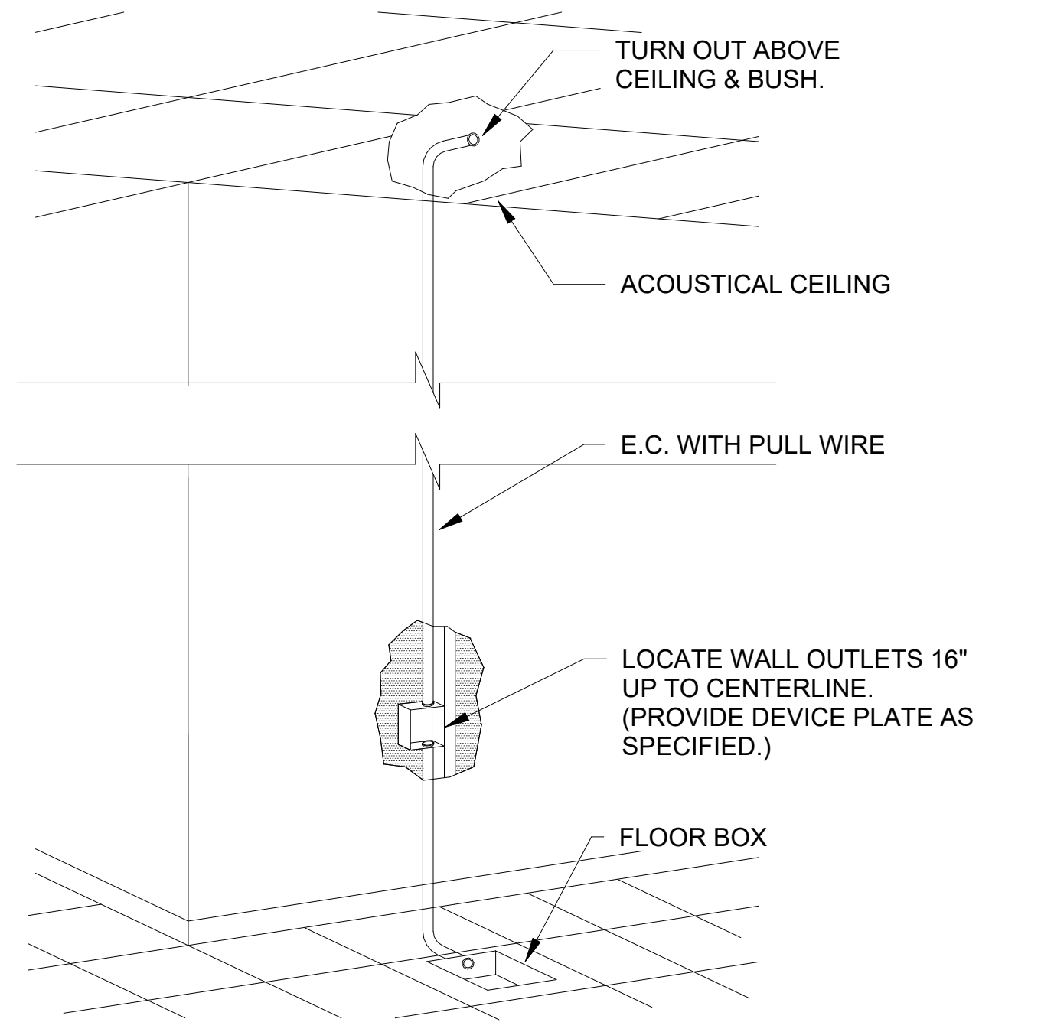
TURN OUT ABOVE CEILING & BUSH.
ACOUSTICAL CEILING
E.C. WITH PULL WIRE
LOCATE WALL OUTLETS 16" UP TO CENTERLINE. (PROVIDE DEVICE PLATE AS SPECIFIED.)
FLOOR BOX

OUTLETS FOR STRUCTURED CABLING

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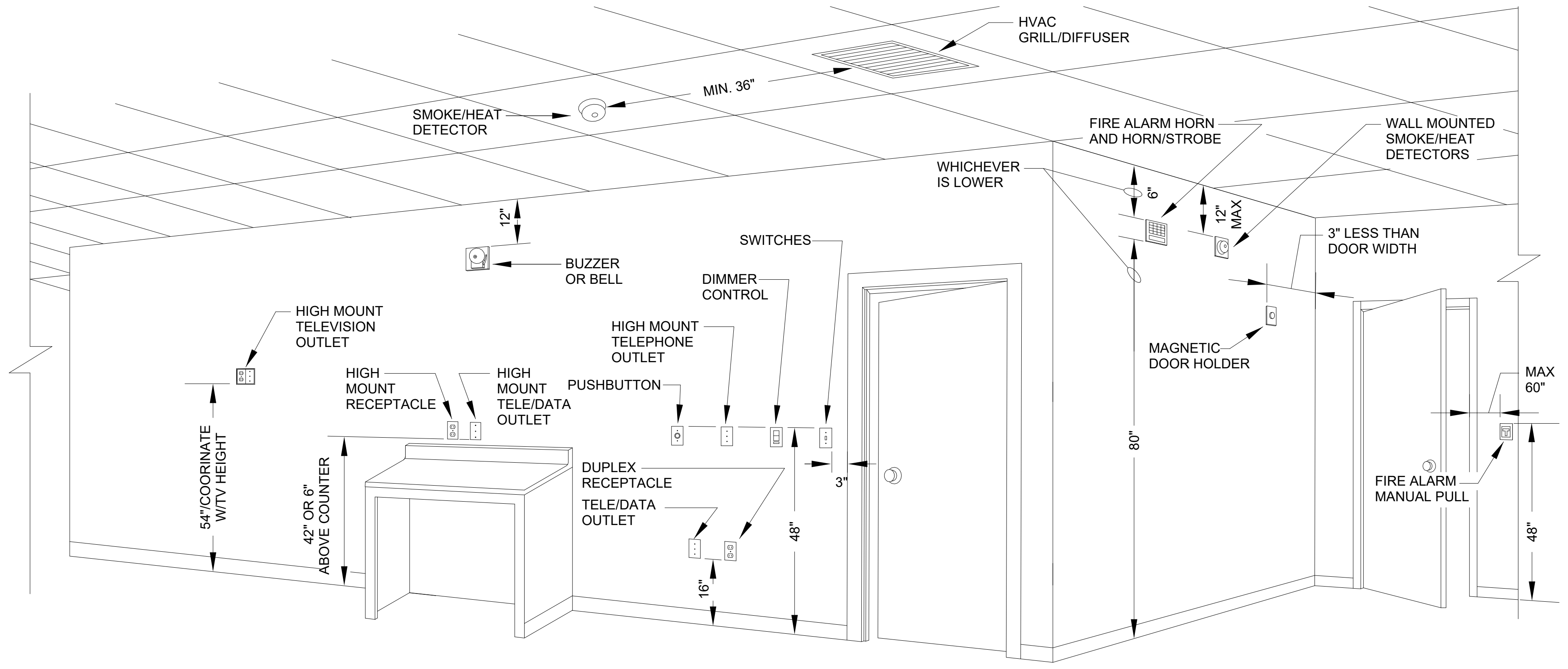

DEVICE MOUNTING HEIGHTS

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PROJECT RECORD SEAL

S. DICKSON O'BRIEN
No. 19845
08.07.2026
GWA, INC. ELECTRICAL ENGINEERS No. C00825

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETTON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

ELECTRICAL
SYMBOLS,
SCHEDULES AND
DETAILS

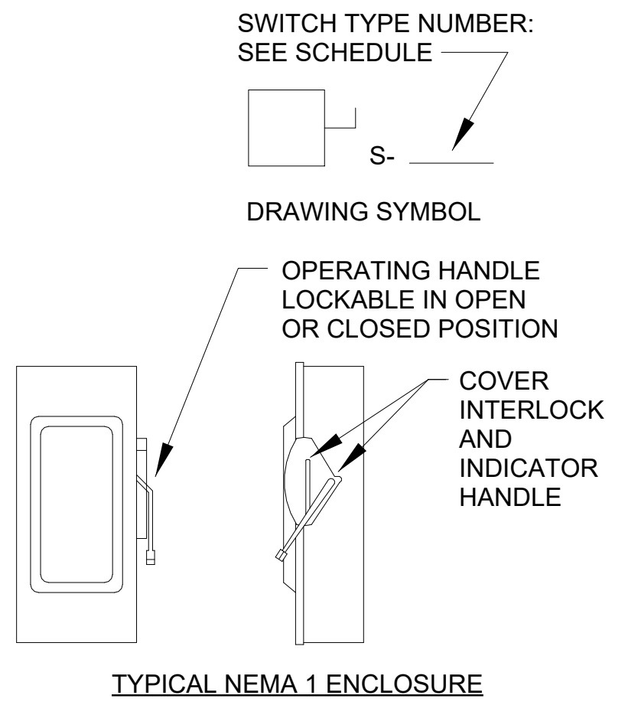
ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 08.07.2026
SCALE: 1/8" = 1'-0"
DRAWN BY: ZA
PROJ MGR: BG

E001

8/7/2026 12:15:43 PM C:\Users\Dmoore\AppData\Local\Autodesk\Revit\Autodesk Revit 2026\CollaborationCache\W3422JDNJ4QTMP6Y\78a0e798-749d-4bb3-a731-4a4044ef96a5\b7649c1f-89ef-49ac-9f2f-ba981a7f6845.rvt


SWITCH TYPE NUMBER: SEE SCHEDULE
S-
DRAWING SYMBOL
OPERATING HANDLE LOCKABLE IN OPEN OR CLOSED POSITION
COVER INTERLOCK AND INDICATOR HANDLE

TYPICAL NEMA 1 ENCLOSURE

NOTES TO THIS DETAIL

1. ALL SWITCHES SHALL BE HEAVY DUTY TYPE, FED. SPEC. W-S-865, U.L. 98, NEMA KSI-1975; 240 V. OR 600 V. TO SUIT CIRCUIT VOLTAGE. QUICK MAKE-QUICK BREAK OPERATION
2. ALL SWITCHES FUSIBLE UNLESS NOTED ON DRAWINGS. PROVIDE FUSES TO SUIT LOAD.
3. ENCLOSURES NEMA 3R OUTDOORS AND IN WET LOCATIONS, NEMA 1 ELSEWHERE UNLESS NOTED ON DRAWINGS.
4. PROVIDE ENGRAVED LABELS AS SPECIFIED.
5. PROVIDE FACTORY INSTALLED AUXILARY CONTACTS FOR ALL SAFETY SWITCHES USED AS MOTOR DISCONNECT AND LOCATED ON LOAD SIDE OF VARIABLE FREQUENCY DRIVES (VFD). COORDINATE WITH VFD VENDOR AND PROVIDE SIGNALING CABLE VIA CONTACTS TO COMMUNICATE DISCONNECT POSITION TO VFD.

SAFETY SWITCH SCHEDULE

SYMBOL	AMP	POLES
S-1	30	2
S-2	30	3
S-3	30	4WSN
S-4	60	2
S-5	60	3
S-6	60	4WSN
S-7	100	2
S-8	100	3
S-9	100	4WSN
S-10	200	2
S-11	200	3
S-12	200	4WSN
S-13	400	2
S-14	400	3
S-15	400	4WSN
S-16	600	2
S-17	600	3
S-18	600	4WSN
S-19	800	2
S-20	800	3
S-21	800	4WSN
S-22	1200	2
S-23	1200	3
S-24	1200	4WSN

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SAFETY SWITCH DETAIL AND SCHEDULE

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NO SCALE

ELECTRICAL SPECIFICATIONS

1. PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND OPERATIONS AS REQUIRED FOR A COMPLETE, SAFE AND QUIETLY-OPERATING ELECTRICAL SYSTEM, FULLY ADJUSTED AND READY FOR USE.
2. PRIOR TO BIDDING, THIS CONTRACTOR SHALL VISIT THE JOBSITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDTIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND SHALL INCLUDE IN HIS BID ALL LABOR, MATERIAL AND OPERATIONS REQUIRED FOR A COMPLETE JOB.
3. ELECTRICAL CONTACTOR SHALL PROVIDE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, PAY ALL TAXES AND FEES, UTILITY COMPANY CHARGES FOR SERVICE, INSPECTION FEES AND THE LIKE AS REQUIRED FOR THE SCOPE OF WORK INDICATED.
4. ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF NEC, NFPA, IBC, AND ALL APPLICABLE STATE AND LOCAL CODES, REGULATIONS AND ORDINANCES.
5. WORKMANSHIP SHALL BE IN ACCORDANCE WITH BEST PRACTICE. COMPLY WITH NECA STANDARD OF INSTALLATION.
6. ALL MATERIALS INSTALLED SHALL BE NEW, CLEAN, IN GOOD CONDITION AND SHALL MEET THE REQUIREMENTS OF THE UNDERWRITERS' LABORATORIES, INC. WHERE UL STANDARDS ARE ESTABLISHED FOR THOSE ITEMS. MATERIALS SHALL BE CLASSIFIED AND DESIGNED FOR THE PURPOSE USED. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND GUIDELINES.
7. ALL WORK, MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE WARRANTIED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. THIS DOES NOT SUPERCEDE MANUFACTURER'S WARRANTIES WHICH MAY EXTEND BEYOND ONE YEAR.
8. PROVIDE ALL CUTTING, PATCHING, TRENCHING, BACKFILLING, PENETRATIONS, FLASHING, GROUTING AND SIMILAR OPERATIONS AS REQUIRED FOR NEW WORK. RELOCATION OF EXISTING CONDUIT, EQUIPMENT, WIRING, ETC. AS REQUIRED FOR INSTALLATION OF NEW SYSTEM IS INCLUDED IN THIS WORK.
9. THE CONTRACTOR IS CAUTIONED THAT THE PROJECT MAY BE CONSTRUCTED IN STAGES TO ACCOMMODATE OWNER'S USE OF THE FACILITY. VERIFY PHASING REQUIREMENTS PRIOR TO BIDDING AND COOPERATE IN ALL RESPECTS WITH OTHER CONTRACTORS AND TRADES ON THE JOB TO CARRY OUT THE WORK WITH MINIMAL DISRUPTION OF BOTH THE OWNER'S REQUIREMENTS AND CONSTRUCTION OF THE PROJECT.
10. COORDINATE ALL WORK WITH OTHER TRADES TO AVOID CONFLICTS, CONCEAL ELECTRICAL WORK AND PROVIDE ELECTRICAL WORK IN CORRECT LOCATIONS FOR EACH PIECE OF EQUIPMENT CONNECTED.
11. PROVIDE SEISMIC RESTRAINT OF NEW ELECTRICAL SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH IBC.
12. ALL PENETRATIONS THROUGH WALLS, FLOORS, BARRIERS, PARTITIONS AND THE LIKE SHALL BE SEALED TIGHT. WHERE PENETRATIONS ARE THRU FIRE OR SMOKE RATED WALLS, FLOORS AND CEILINGS, PROVIDE A UL-LISTED THROUGH-PENETRATION ASSEMBLY WITH RATING EQUAL TO THAT BEING PENETRATED.
13. PROVIDE RACEWAYS FOR ALL CONDUCTORS AND CABLES.
14. PROVIDE FLEXIBLE METAL CONDUIT FOR CONNECTION TO ROTATING OR VIBRATING EQUIPMENT.
15. CONTRACTOR SHALL SIZE AND PROVIDE ALL REQUIRED PULL AND JUNCTION BOXES.
16. RACEWAYS SHALL BE CONTINUOUS BETWEEN OUTLETS/EQUIPMENT AND ENCLOSURES. BOND RACEWAY SYSTEM IN ACCORDANCE WITH NEC AND NECA INSTALLATION STANDARDS.
17. ALL DEVICES SHALL BE HEAVY DUTY, SPECIFICATION GRADE.
18. PROVIDE A COMPLETE SET OF FUSES FOR EACH FUSIBLE DEVICE PROVIDED. FUSES SHALL BE SIZED FOR LOAD SERVED AND PROVIDED WITH TIME-CURRENT CHARACTERISTICS CURVES AS REQUIRED FOR PROPER COORDINATION.
19. AIC RATING FOR ALL EQUIPMENT SHALL EXCEED AVAILABLE SHORT CIRCUIT CURRENT PRESENT AT EQUIPMENT LOCATION.
20. INSTALL IN EACH PANELBOARD A SINGLE-SIDED, PLASTIC-COVERED, TYPEWRITTEN CIRCUIT DIRECTORY LISTING THE LOAD SERVED, INCLUDING LOCATION, FOR EACH BREAKER.
21. ON ALL PANELBOARDS, DISCONNECT SWITCHES, PROVIDE AN ENGRAVED PLASTIC LAMINATE NAMEPLATE, MINIMUM 1/16” THICKNESS WITH ¼” HIGH LETTERS. ATTACH WITH EPOXY CEMENT OR SCREWS. ON AND FEEDER DISTRIBUTION PANELBOARDS, PROVIDE NAMEPLATE FOR EACH CIRCUIT BREAKER.
22. ELECTRICAL SUBCONTRACTOR SHALL SUBMIT FOR REVIEW BY THE ENGINEER DETAILED SHOP DRAWINGS OF ALL EQUIPMENT AND ALL MATERIAL LISTED BELOW. ALL SUBMITTAL DATA SHALL BE SUBMITTED AT ONE TIME. PARTIAL SUBMITTALS WILL NOT BE REVIEWED BY THE ENGINEER. NO MATERIAL OR EQUIPMENT FOR WHICH ENGINEER'S REVIEW IS REQUIRED SHALL BE DELIVERED TO THE JOB SITE OR INSTALLED UNTIL THIS CONTRACTOR HAS IN HIS POSSESSION THE REVIEWED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT. THE SHOP DRAWINGS SHALL BE COMPLETE AS DESCRIBED HEREIN.
    - PRIOR TO SUBMITTAL OF SHOP DRAWINGS TO THE ENGINEER, THE GENERAL CONTRACTOR AND THE ELECTRICAL SUBCONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS. SHOP DRAWINGS WHICH HAVE NOT BEEN REVIEWED AND APPROVED IN WRITING BY THE ELECTRICAL SUBCONTRACTOR WILL NOT BE REVIEWED BY THE ENGINEER. ELECTRICAL SUBCONTRACTOR SHALL STATE IN WRITING ON SHOP DRAWINGS, ANY PROPOSED DEVIATIONS FROM CONTRACT DOCUMENTS. SUCH DEVIATIONS, IF NOT STATED IN SHOP DRAWINGS SUBMITTAL, SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL SUBCONTRACTOR. THIS CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS DIRECTED BY ARCHITECT OR, IF NO PROCEDURE IS SPECIFIED BY THE ARCHITECT, SUBMIT ONE ELECTRONIC .PDF COPY TO GWA@GWAINC.NET.
    - REVIEW RENDERED ON SHOP DRAWINGS SHALL NOT BE CONSIDERED AS A GUARANTEE OF MEASUREMENTS OF BUILDING CONDITIONS. WHERE DRAWINGS ARE REVIEWED, SAID REVIEW DOES NOT MEAN THAT DRAWINGS HAVE BEEN CHECKED IN DETAIL; SAID REVIEW DOES NOT IN ANY WAY RELIEVE THIS CONTRACTOR FROM HIS RESPONSIBILITY OR NECESSITY OF FURNISHING MATERIAL OR PERFORMING WORK AS REQUIRED BY THE CONTRACT DRAWINGS AND SPECIFICATIONS.
    - FAILURE OF CONTRACTOR TO SUBMIT SHOP DRAWINGS IN TIME FOR REVIEW BY ENGINEER WITH REASONABLE PROMPTNESS CONSISTENT WITH SOUND PROFESSIONAL PRACTICE SHALL NOT ENTITLE HIM TO AN EXTENSION OF CONTRACT TIME, AND NO CLAIM FOR EXTENSION BY REASON OF SUCH DEFAULT WILL BE ALLOWED.
    - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE FOLLOWING MATERIALS AND EQUIPMENT FOR REVIEW BY ENGINEER: PANELBOARDS, SAFETY SWITCHES, CIRCUIT BREAKERS, WIRING DEVICES, BASIC MATERIALS (WIRE, CONDUIT, FITTINGS, CONNECTORS, GROUNDING COMPONENTS)
23. UPON COMPLETION OF WORK, PROVIDE FINAL CLEANING; REMOVE DEBRIS, WASTE, SURPLUS MATERIALS, RUBBISH AND CONSTRUCTION FACILITIES FROM THE SITE.
24. PROVIDE OWNER WITH TWO(2) COMPLETE SETS OF RECORD DRAWINGS AND OPERATION AND MAINTENANCE (O&M) MANUALS INCLUDING SHOP DRAWINGS, MAINTENANCE INSTRUCTIONS, SETTINGS AND WARRANTIES.
25. UPON COMPLETION OF WORK, THE SYSTEM SHALL BE FREE OF FAULTS, INCLUDING SHORT CIRCUITS, GROUNDS AND OPEN CIRCUITS AND LOADS SHALL BE BALANCED ACROSS PHASES TO MINIMIZE NEUTRAL CURRENT IN ALL FEEDERS AND BRANCH CIRCUITS.
26. UPON COMPLETION OF INSTALLATION AND TESTING, THIS CONTRACTOR SHALL INSTRUCT THE OWNER FULLY IN THE OPERATIONS, ADJUSTMENTS AND MAINTENANCE OF ELECTRICAL SYSTEM.

LIGHTING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTAGE	WATTAGE	NOTES
A	2'X4' FLAT PANEL	LITHONIA LIGHTING OR APPROVED EQUA	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT	120 V	38 W	RECESSED- CEILING. FIELD SELECTED LUMEN OUTPUT AND COLOR TEMPERATURE SHALL BE 4000LM/35K.
A2	2'X4' FLAT PANEL	LITHONIA LIGHTING OR APPROVED EQUA	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT	120 V	38 W	RECESSED-CEILING. FIELD SELECTED LUMEN OUTPUT AND COLOR TEMPERATURE SHALL BE 6000LM/50K.
C	LED, 6" DOWNLIGHT	LITHONIA LIGHTING OR APPROVED EQUA	LDN6-35K/30-L06-*-MVOLT-GZ1	120 V	35 W	RECESSED-CEILING.
D	LED, 4' LINEAR STRIP LIGHT	LITHONIA LIGHTING OR APPROVED EQUA	CLX-L48-4000LM-SEF-*-FDL-WD-MVOLT-GZ10-35K-80CRI	120 V	37 W	SUSPENDED-CEILING. COORDIANTE MOUNTING HEIGHT WITH THE ARCHITECT.
EX	EXIT SIGN	LITHONIA LIGHTING OR APPROVED EQUA	LHQM-S-W-3-R-H0-R0	120 V	5 W	EMERGENCY EXIT SIGN. MINIMUM OF 90-MINUTE RATING. PROVIDE FACES, ARROWS, AND MOUNTING PER PLANS
V	VANITY LIGHT	VISUAL COMFORT & CO. LIGHTING OR APPROVED EQUAL	4420902-05	120 V	150 W	SURFACE-WALL ABOVE BATHROOM MIRROR. COORDINATE MOUNTING HEIGHT WITH THE ARCHITECT. PROVIDE (2) LED MEDIUM A19 BASE LIGHT BULBS FOR VANITY LIGHT.
W	EXTERIOR WALL PACK	LITHONIA LIGHTING OR APPROVED EQUA	WDGE1-P2-40L-90CRI-40K-BFR-LUGR-MIN1-ZT	120 V	5 W	SURFACE-WALL. COORDINATE MOUTNING HEIGHT WITH THE ARCHITECT. FINISH AS DIRECTED BY ARCHITECT. PROVIDE WITH INTEGRAL PHOTOCELL OPTION

NOTES TO LIGHTING FIXTURE SCHEDULE

1. LOCATE ALL FIXTURES IN STRICT ACCORDANCE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
2. FOR ALL FIXTURES INDICATED WITH DIMMING CONTROL, PROVIDE WALL-BOX DIMMER TO SUIT FIXTURE FURNISHED. PROVIDE LOW VOLTAGE CONTROL WIRING WITH 600V RATING AS REQUIRED. COMPLY WITH NEC 735.136.
3. PROVIDE ALL HALF-SHADED FIXTURES WITH EMERGENCY BATTERY UNIT, BODINE, IOTA, DUAL-LITE OR EQUAL. BATTERY UNITS SHALL BE DESIGNED AND RATED FOR USE WITH LED LUMINAIRES AND OF APPROPRIATE TYPE AND WATTAGE TO SUIT LED DRIVERS FURNISHED - MINIMUM 90 MINUTE RATING. CONNECT COMPLETE TO UPON CIRCUIT FAILURE, ON SWITCH ON-OFF WITH ROOM/AREA LIGHTING AND REGARDLESS OF SWITCH POSITION.

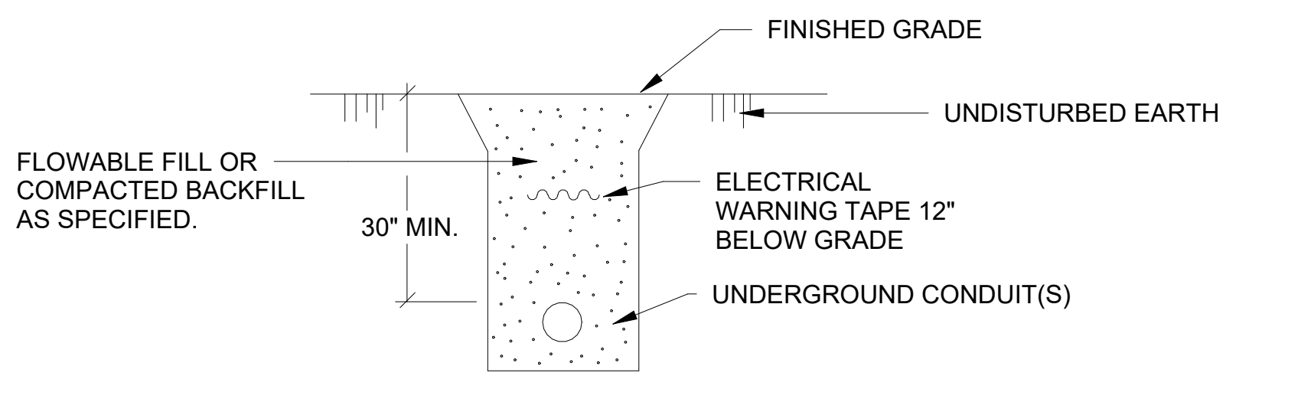
NOTES TO OCCUPANCY SENSORS

OS CEILING MOUNTED 360' OCCUPANCY SENSOR, INTERCONNECTION NOT SHOWN FOR CLARITY.

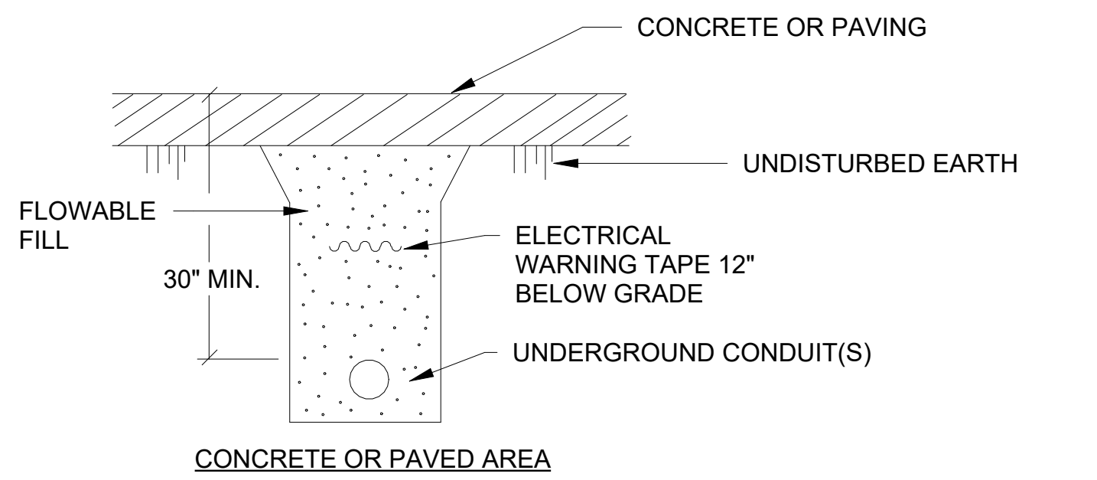
1. SENSOR LOCATIONS ARE SCHEMATIC ONLY AND LOCATIONS SHOWN ARE INTENDED TO INDICATE AREA TO BE CONTROLLED BY SENSORS. PROVIDE ACTUAL QUANTITY, LOCATION AND TYPE OF SENSOR AS REQUIRED TO PROVIDE FULL COVERAGE FOR EACH SPACE INDICATED. SEE SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
2. ALL LAYOUTS AND INSTALLATION SHALL BE BASED ON APPROVED VENDOR SHOP DRAWINGS. ROUGH ONLY FROM THESE SHOP DRAWINGS AND COMPLY WITH ALL MANUFACTURER INSTALLATION INSTRUCTIONS.
3. AT CONTRACTOR'S OPTION, SYSTEM MAY BE DIGITAL OR LOW VOLTAGE TYPE AND MAY UTILIZE SELF-CONTAINED DEVICES OR SEPARATE POWER PACKS/RELAYS.
4. RESTROOMS, STORAGE ROOMS, JANITOR CLOSETS, EQUIPMENT ROOMS AND SIMILAR SPACES SHALL BE CONFIGURED AS AUTOMATIC ON/OFF WITH MANUAL OVERRIDE FUNCTION (OCCUPANCY SETTING). ALL OTHER SPACES SHALL BE CONFIGURED AS MANUAL ON, AUTOMATIC OFF WITH MANUAL OVERRIDE FUNCTION (VACANCY SETTING).
5. ROOMS INDICATED WITH BOTH OCCUPANCY SENSORS AND MULTI-LEVEL SWITCHING OR DIMMING SHALL MAINTAIN FULL MANUAL CONTROL ABILITY FOR ADJUSTING LIGHTING LEVELS.
6. SENSORS MOUNTED OVER DOORWAYS SHALL BE PLACED A MINIMUM OF ONE FOOT INSIDE THRESHOLD.
7. ULTRASONIC SENSORS SHALL BE LOCATED A MINIMUM OF SIX(6) FEET FROM HVAC SUPPLY/RETURN, CEILING FANS AND OTHER AIR MOVEMENT DEVICES.
8. ADJUST SENSOR LOCATIONS IN FIELD AS REQUIRED TO AVOID LINE-OF-SIGHT CONFLICTS WITH STRUCTURE, SUSPENDED LIGHTING, MECHANICAL DUCTWORK, CASEWORK, BULKHEADS AND OTHER ARCHITECTURAL OR BUILDING FEATURES. SENSORS SHALL NOT FALSE TRIGGER FROM ADJACENT SPACES.
9. SENSORS INSTALLED IN DAMP OR WET LOCATIONS SHALL BE UL LISTED FOR USE IN RESPECTIVE AREA.
10. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR NON-ADAPTIVE PRODUCTS.
11. IF MULTIPLE CIRCUITS ARE TO BE CONTROLLED BY A SINGLE SENSOR OR GROUP OF SENSORS, AUXILIARY RELAYS MAY BE UTILIZED IN CONJUNCTION WITH POWER PACKS.

NOTES TO THROUGH PENETRATION FIRESTOPPING

1. WHERE RACEWAYS PASS THRU FIRE-RATED WALLS, FLOORS OR OTHER PARTITIONS, PROVIDE AUL-LISTED THROUGH PENETRATION SYSTEM WITH RATING EQUAL TO THAT OF CONSTRUCTIONBEING PENETRATED.
2. EACH ASSEMBLY SHALL BE SPECIFIC TO THE PENETRATING DEVICE (E.G., SINGLE CONDUIT, MULTIPLE CONDUITS, CABLE TRAY, ETC.) AND SHALL BE A UL LISTED SYSTEM AS PUBLISHED IN THE UL FIRE RESISTANCE DIRECTORY, LATEST EDITION.
3. FIRESTOP SYSTEMS SHALL MEET REQUIREMENTS OF ASTM E-814/UL 1749 TESTED ASSEMBLIES THAt PROVIDE A FIRE RATING EQUAL TO THAT OF CONSTRUCTION BEING PENETRATED.
4. FOR THOSE FIRESTOP APPLICATIONS THAT EXIST FOR WHICH NO UL TESTED SYSTEM IS FOR THOSE FIRESTOP APPLICATIONS THAT EXIST FOR WHICH NO UL TESTED SYSTEM IS AVAILABLE THROUGH THE MANUFACTURER, A MANUFACTURER'S ENGINEERING JUDGEMENT DERIVED FROM SIMILAR UL SYSTEM DESIGNS OOR OTHER TESTS SHALL BE SUBMITTED TO LOCAL AUTHORITY HAVING JURISDICTION FOR THEIR APPROVAL PRIOR TO INSTALLATION. ENGINEERING JUDGEMENT DRAWINGS SHALL FOLLOW REQUIREMENTS SET FORTH BY THE INTERNATIONAL FIRESTOP COUNCIL.
5. INSTALLATION SHALL BE IN COMPLIANCE WITH MANUFACTURER'S INSTRUCTION AND IN ACCORDANCE WITH UL FIRE RESISTANCE DIRECTORY FOR EACH SYSTEM UTILIZED.
6. FIRESTOP MATERIALS SHALL BE BY 3M COMPANY, LILTI USA, SPECIFIED TECHNOLOGIES INC (STI). METACAULK, TREMCO OR APPROVED EQUAL.
7. SUBMIT UL SYSTEM DETAIL AND PRODUCT DATA FOR EACH FIRE STOP COMPONENT UTILIZED, INCLUDING DETAILED DRAWINGS, INSTALLATION INSTRUCTIONS, ASSEMBLY LISTING NUMBER, CERTIFICATED OF CONFORMANCE AND MATERIAL SAFETY DATA SHEETS. MAINTAIN A COPY OF APPROVED SHOP DRAWINGS ON SITE FOR REVIEW BY ENGINEER, THIRD PARTY INSPECTOR AND AHJ.


FINISHED GRADE
UNDISTURBED EARTH
FLOWABLE FILL OR COMPACTED BACKFILL AS SPECIFIED.
30" MIN.
ELECTRICAL WARNING TAPE 12" BELOW GRADE
UNDERGROUND CONDUIT(S)

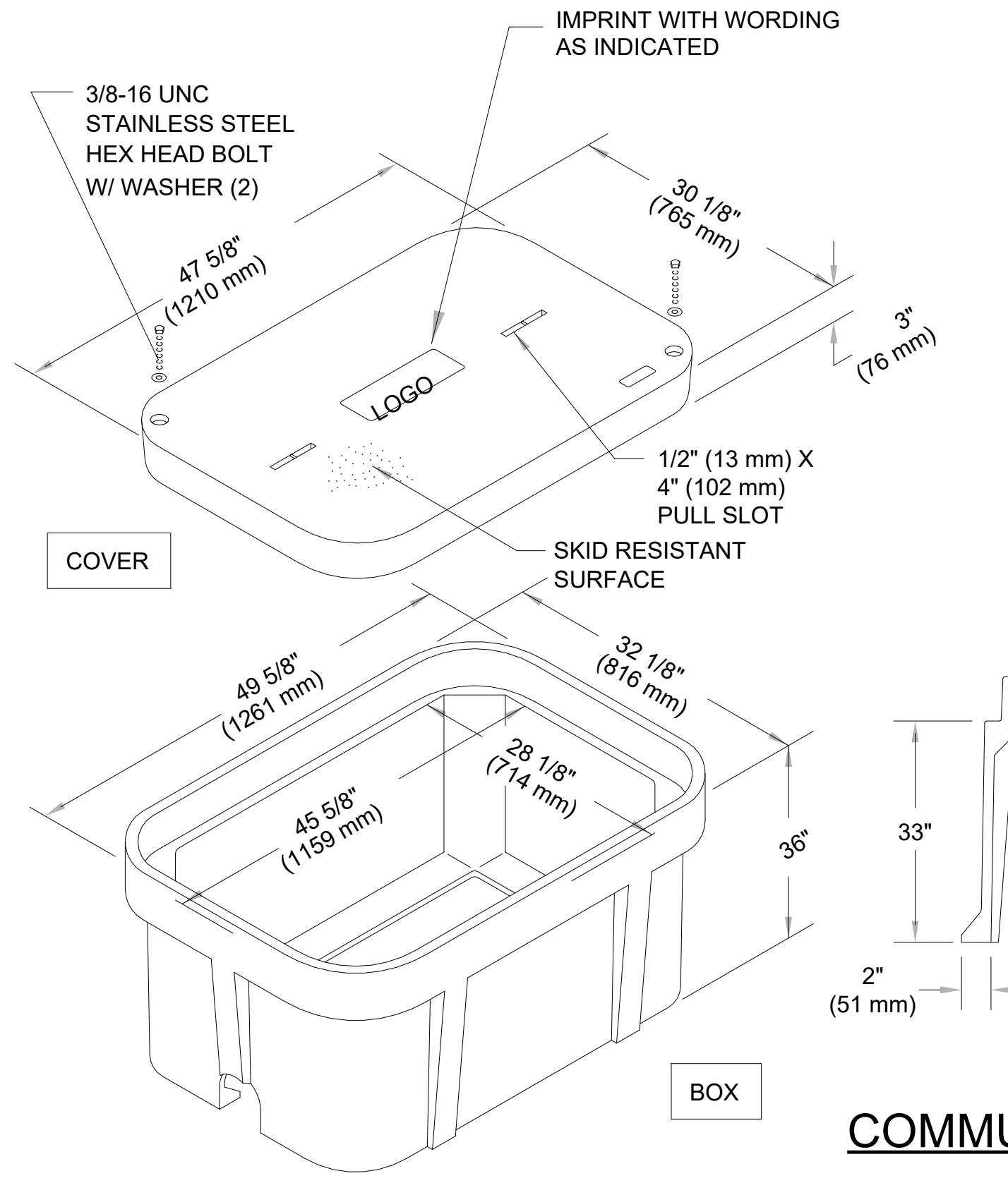
NON-PAVED AREA



CONCRETE OR PAVED AREA

UNDERGROUND CONDUIT NOT IN DUCTBANK

NO SCALE



COMMUNICATIONS HANDHOLE

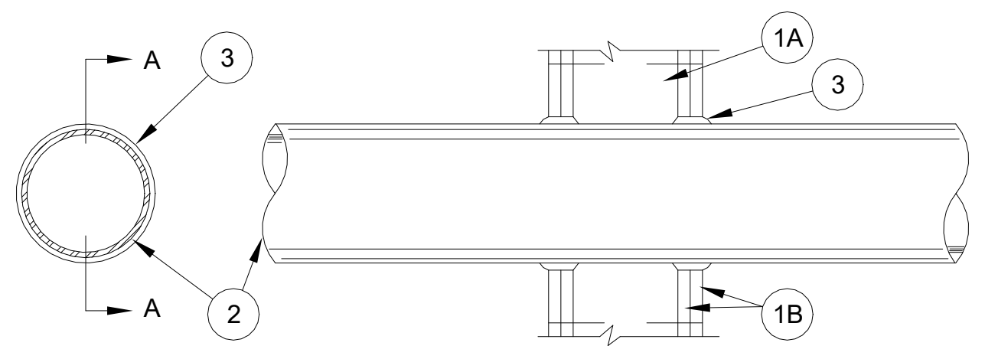
NO SCALE

NOTES TO COMMUNICATION HANDHOLE

1. PROVIDE 30” X 48” OPEN BOTTOM COMMUNICATION HANDHOLE
2. HANDHOLE CONSTRUCTION SHALL BE FIBERGLASS REINFORCED POLYMER CONCRETE AND FIBERGLASS REINFORCED POLYMER. COLOR SHALL BE CONCRETE GRAY. MINIMUM 22,500 LB TEST LOAD RATING FOR COVER AND BOX.
3. HANDHOLE SHALL BE QUAZITE #PG3048BA36 WITH PG3048HA00 HEAVY DUTY COVER OR EQUAL BY CDR.
4. LOCATE HANDHOLES AS GENERALLY INDICATED ON SITE PLAN. HANDHOLES SHALL BE INSTALLED SO SQUARE AND FLUSH WITH SURROUNDING GRADE AND/OR SITE FEATURES.
5. SET ON GRAVEL BASE IN ACCORDANCE WITH MANUFACTURER GUIDELINES. BASE SHALL BE MINIMUM 6” THICK.
6. PROVIDE IMPRINTED LABEL IN COVER. LABEL SHALL BE AS DIRECTED BY RESPECTIVE COMMUNICATION UTILITY. FOR SPARE HANDHOLES, LABEL COMMUNICATIONS.

SYSTEM NO. W-L-1001

F RATINGS - 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3) T RATINGS - 0, 1, 2, 3 AND 4 HR (SEE ITEM 3) L RATING AT AMBIENT - LESS THAN 1 CFM/SF FT L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



SECTION A-A

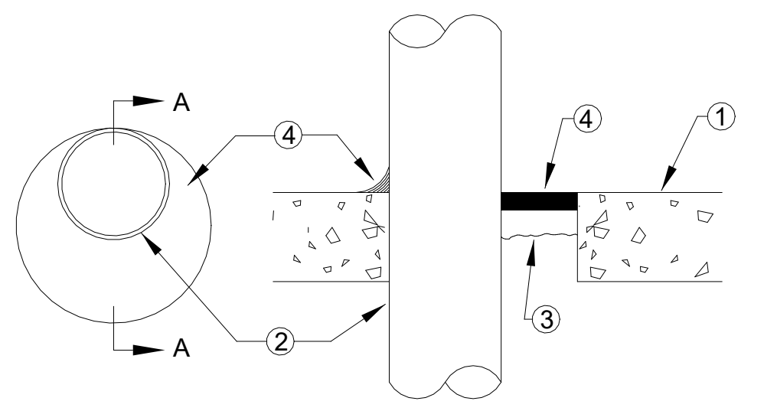
1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOW-ING CONSTRUCTION FEATURES:
    A. ASTUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES)OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM. 2 BY 4 IN. LUMBER SPACED 16" OC WITH NOM. 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN. 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX. 24 IN. OC.
    B. WALLBOARD GYPSUM* -NOM. 1/2 OR 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPES AND SHEET ORIENTA-TION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX. DIAM. OF OPENING IS 13-1/2 IN.
2. PIPE OR CONDUIT - NOM. 12 IN. DIAM. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM. 12 IN. DIAM. (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIAM. (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE, NOM 6 IN. DIAM. (OR SMALLER) STEEL CONDUIT, NOM. 4 IN. DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING, NOM. 6 IN. DIAM. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING OR NOM. 1 IN. DIAM. (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE IS USED, MAX. F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2 H. STEEL PIPES OR CONDUITS LARGER THAN NOM. 4 IN. DIAM. MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX. OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
3. FILL VOID OR CAVITY MATERIAL* - CAULK - CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN. 1/4 IN. DIAM. BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX. PIPE OR CONDUIT DIAM., IN.	ANNULAR SPACE IN.	F RATING HR	T RATING HR
1	0 TO 3/16	1 OR 2	0+, 1 OR 2
1	1/4 TO 1/2	3 OR 4	3 OR 4
4	0 TO 1/4	1 OR 2	0
4	0 TO 1/2#	1 OR 2	0
6	1/4 TO 1/2	3 OR 4	0
12	3/16 TO 3/8	1 OR 2	0

+ WHEN COPPER PIPE IS USED, T RATING IS 0 H.
# 0 TO 1-1/2 IN. ANNULAR SPACE APPLIES ONLY WHEN TYPE CP-25 WB - CAULK IS USED AND ONLY WHEN THE MIN. THICKNESS OF THE GYPSUM WALLBOARD IS 5/8 IN. FOR 1 HR RATED WALLS AND 1-1/4 IN. FOR 2 HR RATED WALLS.
MINNESOTA MINING & MFG. CO. - CP 25WB+
* BEARING THE UL CLASSIFICATION MARKING.

SYSTEM NO. C-AJ-1001

F RATING - 3 HR
T RATING - 0 HR
W RATING - CLASS 1 (SEE ITEM 4)



SECTION A-A

NOTES:

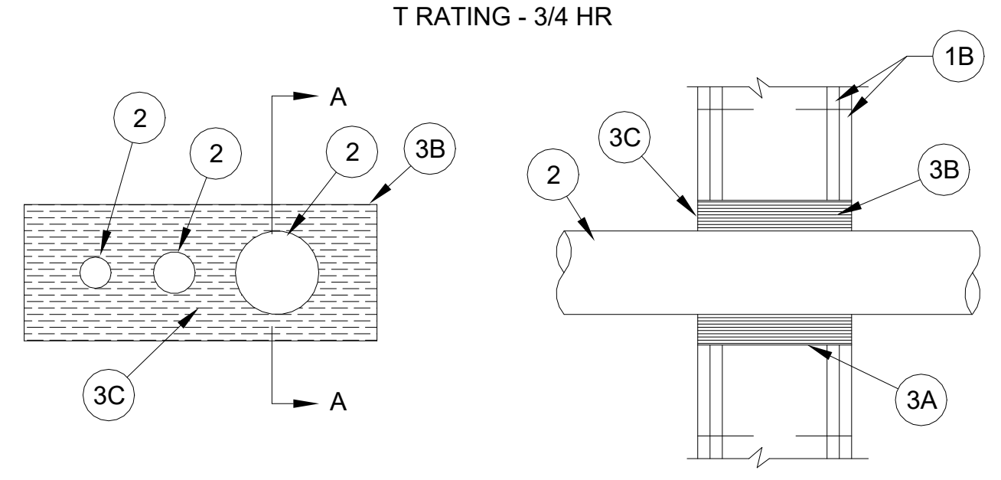
1. FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" THICK LIGHTWEIGHT OR NORMAL WEIGHT (100-150 pcf) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONC. BLOCKS. MAX. DIAMETER OF CIRCULAR THROUGH OPENING IS 22-1/2".
    A. STEEL SLEEVE - (OPTIONAL, NOT SHOWN) - NOM. 12" DIAMETER (OR SMALLER) SCH. 40 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO CONCRETE FLOOR OR WALL. SLEEVE TO BE FLUSH WITH OR PROJECT MAX. 2" FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL.
2. PIPE OR CONDUIT - NOM 20" DIAMETER (OR SMALLER) SCH. 10 (OR HEAVIER) STEEL PIPE, NOM. 6" DIAMETER (OR SMALLER) RIGID STEEL CONDUIT OR TYPE L (OR HEAVIER) COPPER TUBE, NOM. 4" DIAMETER (OR SMALLER) CAST IRON PIPE OR STEEL EMT. MAX. ONE PIPE OR CONDUIT PER THROUGH OPENING. MAX. ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF THROUGH OPENING NOT TO EXCEED 2-1/2". MIN. ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF THROUGH OPENING IS ZERO INCHES (POINT CONTACT). PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
3. PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOM. 1" THICKNESS OF TIGHTLY PACKED CERAMIC (ALUMINA SILICA) FIBER BLANKET, MINERAL WOOL BATT OR GLASS FIBER INSULATION MATERIAL USED AS A PERMANENT FORM. PACKIN MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4). AS AN ALTERNATE WHEN MAX. PIPE SIZE IS 10" DIAMETER AND WHEN MAX. ANNULAR SPACE IS 1", A MIN. 1" THICKNESS OF TIGHTLY PACKED CERAMIC FIBER BLANKET OR MINERAL WOOL BATT PACKING MATERIAL MAY BE RECESSED MIN. 1/2" FROM BOTTOM SURFACE OF FLOOR OR FROM EITHER SIDE OF WALL.
4. FILL, VOID OR CAVITY MATERIALS - CAULK - APPLIED TO FILL THE ANNULAR SPACE TO THE MIN. THICKNESS SHOWN IN THE FOLLOWING TABLE:

MAX. PIPE DIAM. INCHES	MAX ANNULAR SPACE INCES	PACKING MATERIAL TYPE	MIN. CAULK THICKNESS INCES
10	1	BR, CF, GF OR MW	1/2 (b)
10	1	CF OR MW	1/2 (b)
20	2-1/2	BR, CF, GF OR MW	1(b)

(a) BR = POLYETHYLENE BACKER ROD.
CF = CERAMIC FIBER BLANKET.
GW = GLASS FIBER INSULATION.
MW = MINERAL WOOL BATT.
(b) CAULK INSTALLED FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.
(c) CAULK INSTALLED FLUSH WITH BOTTOM SURFACE OF FLOOR OR ONE SURFACE OF WALL
(CAULK = MINNESOTA MINING & MFG. CO. - TYPE CP 25N/S)

SYSTEM NO. WL1014

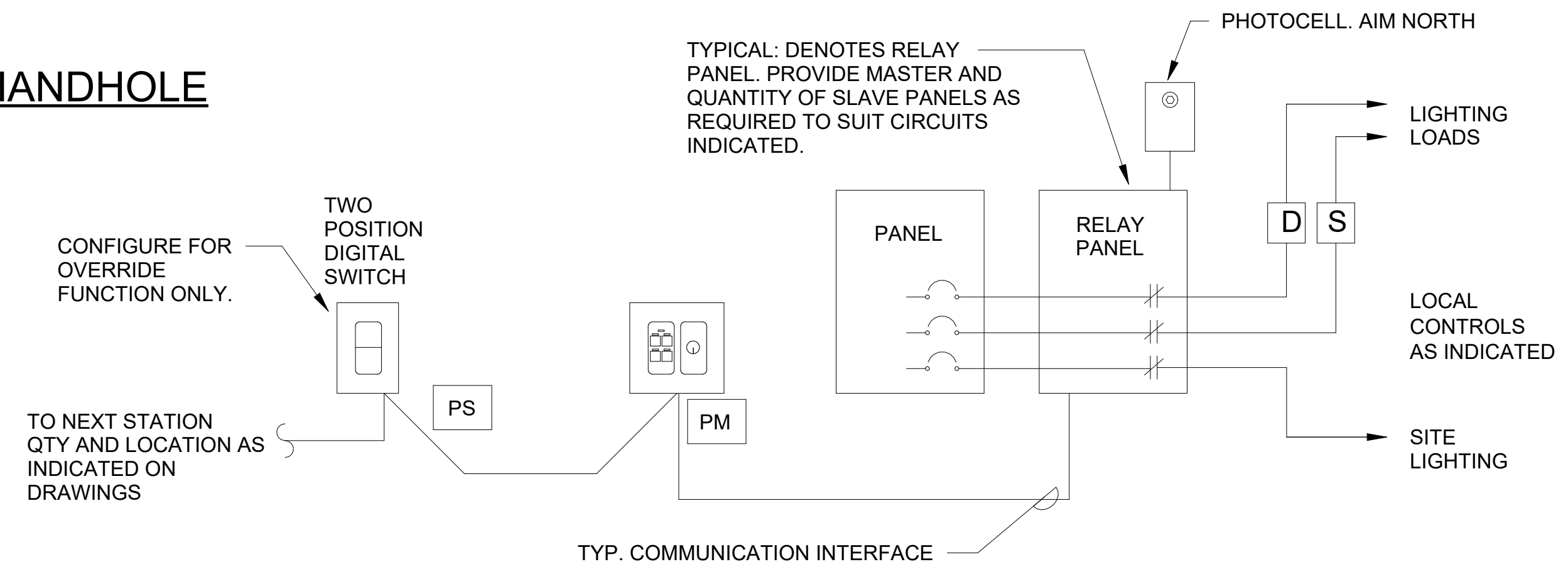
(FORMERLY SYSTEM NO. 259)
F RATING - 2 HR
T RATING - 3/4 HR



SECTION A-A

1. WALL ASSEMBLY - THE FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION:
    A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM. 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN. 2-1/2 IN. WIDE AND SPACED MAX 24 IN. OC.
    B. WALLBOARD GYPSUM* - TWO LAYERS OF NOM. 5/8 IN. THICK GYPSUM WALLBOARD, AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX. AREA OF OPENING IS 78 SQ. IN. WITH MAX. DIMENSION OF 12 IN
2. METALLIC PIPE - NOM. 3-1/2 IN. DIAM. (OR SMALLER) SCHEDULE 5 (OR HEAVIER STEEL PIPE, CONDUIT OR STEEL ELECTRICAL METALLIC TUBING. THE SPACE BETWEEN PIPES, CONDUITS, OR TUBING SHALL MIN. BE 1 IN. TO MAX. 2-5/8" THE SPACE BETWEEN PIPES, CONDUITS OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. 1 IN. TO MAX. 2-5/8. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
3. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
    A. STEEL WIRE MESH - NO. 8 STEEL WIRE MESH HAVING A MIN. 1 IN. LAP ALONG THE LONGITUDINAL SEAM. LENGTH OF STEEL WIRE MESH TO BE 4 IN., CENTERED AND FORMED TO FIT PERIPHERY OF THROUGH OPENING.
    B. FILL, VOID OR CAVITY MATERIAL* - PILLOW-LIKE MATERIAL TIGHTLY PACKED INTO THE ANNULAR SPACE BETWEEN THE PIPES AND PERIMETER OF THROUGH OPENING. PRIOR TO INSTALLATION, THE PILLOW-LIKE MATERIAL SHALL BE PATTED DOWN BY HAND OR WITH A FLAT BOARD TO EVENLY DISTRIBUTE CONTENTS. THE PILLOW-LIKE MATERIAL SHALL BE INSTALLED HORIZONTALLY SUCH THAT IT IS FLUSH WITH THE SURFACES OF THE WALL. METALINES, INC. - METACAULK 910 RETROFIT BAGS. RECTORSEAL CORP. - METACAULK 910 RETROFIT BAGS
    C. FILL, VOID OR CAVITY MATERIAL* - CAULK - APPLIED TO ALL RETROFIT BAG JOINTS, VOIDS, PERIMETER OF PIPES, AND PERIMETER OF THROUGH OPENING TO A MIN. DEPTH OF 1/8 IN. THE RECTORSEAL CORP. - METACAULK 950.

* BEARING THE UL CLASSIFICATION MARKING.


PHOTOCELL. AIM NORTH
TYPICAL: DENOTES RELAY PANEL. PROVIDE MASTER AND QUANTITY OF SLAVE PANELS AS REQUIRED TO SUIT CIRCUITS INDICATED.
LIGHTING LOADS
TWO POSITION DIGITAL SWITCH
CONFIGURE FOR OVERRIDE FUNCTION ONLY.
PANEL
RELAY PANEL
D
S
LOCAL CONTROLS AS INDICATED
TO NEXT STATION QTY AND LOCATION AS INDICATED ON DRAWINGS
PS
PM
SITE LIGHTING
TYP. COMMUNICATION INTERFACE

LIGHTING CONTROL RISER DIAGRAM

NO SCALE

NOTES TO LIGHTING CONTROL RISER DIAGRAM

1. ALL RELAY PANELS SHALL BE NETWORKED TOGETHER TO FORM A SEAMLESS, INTEGRATED SYSTEM. INCLUDE ALL INTERCONNECTION WIRING, CARDS, PROGRAMMING AND ASSOCIATED WORK COMPLETE.
2. ALL LIGHTING CIRCUITS SHALL BE ROUTED THROUGH RELAY PANELS. QUANITY AND LOCATION OF ALL PANELS ARE NOT INDICATED ON PLAN FOR CLARITY. PROVIDE RELAYS TO SUIT CIRCUITS INDICATED, INCLUDING SPARES FOR FUTURE USE. PROVIDE ADDITIONAL HOT (CONTACTOR BYPASS) CONDUCTORS IN CIRCUITS AS REQUIRED FOR APPLICATION.
3. SUBMIT JOB SPECIFIC SHOP DRAWINGS INDICATED EQUIPMENT LOCATIONS, SCHEDULES, SINGLE LINE DRAWINGS AND ALL REQUIRED RACEWAY AND CONDUCTOR REQUIREMENTS.
4. CONDUIT AND CONDUCTORS FOR CONTROL WIRING ARE INDICATED FOR GENERAL REFERENCE ONLY. CONTRACTOR SHALL PROVIDE ALL CONTROL AND INTERLOCK WIRING COMPLETE AS REQUIRED TO SUIT LIGHTING CONTROL SYSTEM FURNISHED.
5. CONTRACTOR SHALL CAREFULLY EXAMINE PLANS AND PROVIDE A COMPLETE AND OPERABLE LIGHTING CONTROL SYSTEM FOR ALL LIGHTING INDICATED. PROVIDE ALL RELAY CABINETS, CONTROLLERS, SENTRY SWITCHES, INPUT DEVICES, SOFTWARE, PROGRAMMING AND THE LIKE AS REQUIRED.
6. FOR CIRCUITS INDICATED AS DIMMING TYPE, PROVIDE 0-10V DIMMER MODULE IN CONTROL PANEL, DIMMING POWER SUPPLY AND ALL ASSOCIATED CONTROL WIRING.
7. EXTERIOR LIGHTING CIRCUITS SHALL BE CONFIGURED TO ALLOW OPERATING SCHEDULE/PROGRAM INDEPENDENT OF INTERIOR LIGHTING. PROGRAMMING AND SCHEDULING SHALL BE AS DIRECTED BY OWNER.
8. PROVIDE FACTORY SWITCH ENGRAVING FOR DIGITAL SWITCHES. TEXT SHALL BE AS DIRECTED BY OWNER.

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PROJECT RECORD SEAL

S. DICKSON O'BRIEN No. 19845
08.07.2026
GWA, INC. ELECTRICAL ENGINEERS No. C00825

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE
1580 MIDDLETTON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

ELECTRICAL DETAILS

ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 08.07.2026
SCALE: 1/8" = 1'-0"
DRAWN BY: ZA PROJ MGR: BG

E002

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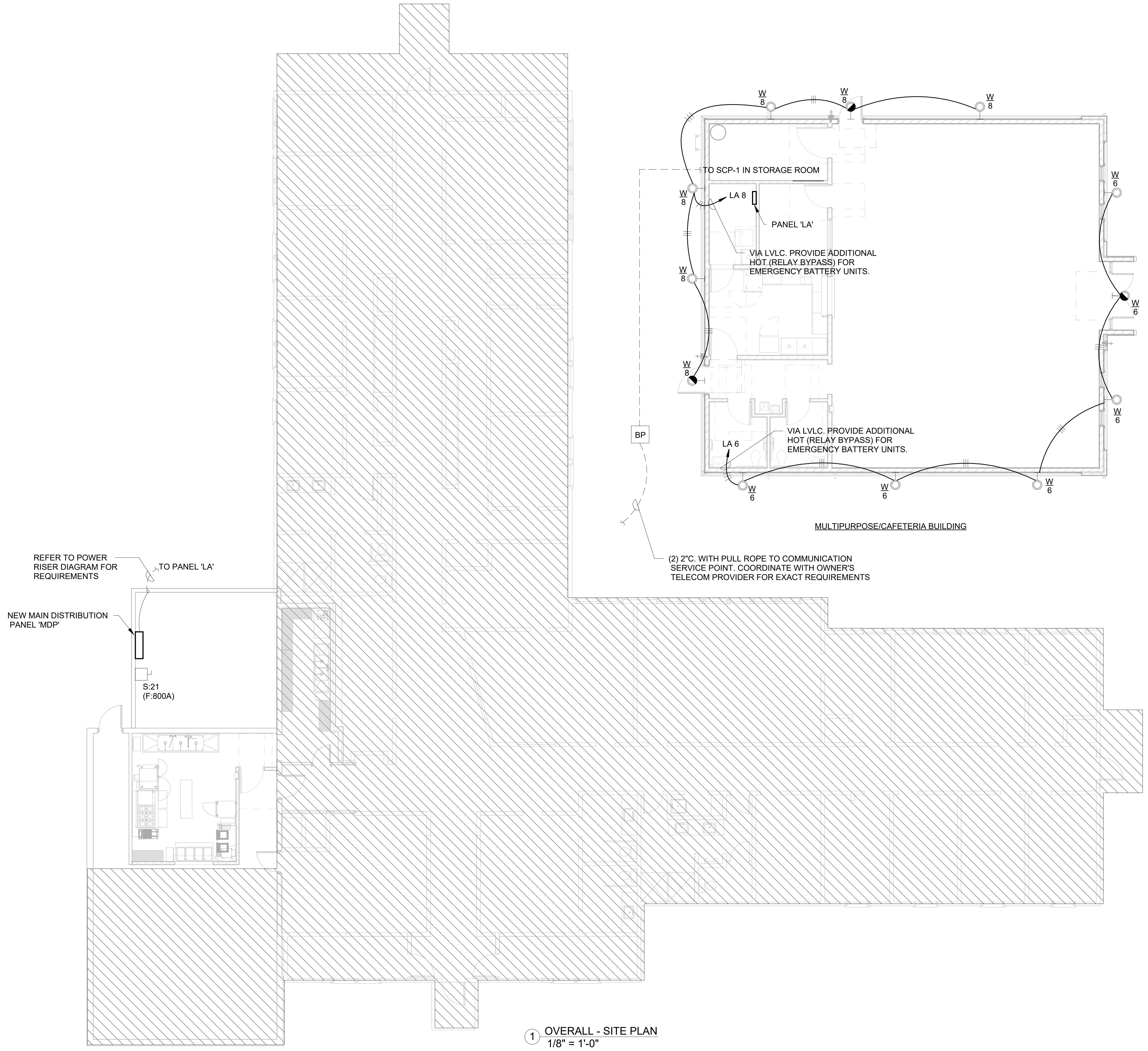

1 OVERALL - SITE PLAN
1/8" = 1'-0"

UNDERGROUND FEEDER ROUTING SHOWN IS SCHEMATIC. COORDINATE EXACT ROUTING AND ADDITIONAL REQUIREMENTS IN THE FIELD

NOTES TO UNDERGROUND ELECTRICAL WORK

1. ALL WORK SHALL COMPLY WITH NFPA, ADA, NEC, AASHTO, NESC, SCDOT AND ALL OTHER APPLICABLE CODES AND STANDARDS.
2. CONTRACTOR SHALL CONTACT UNDERGROUND UTILITY LOCATOR SERVICE MINIMUM OF 96 HOURS PRIOR TO WORK. CONTACT SC811 AT 811 OR (888) 721-7877.
3. BEFORE DIGGING IN THE VICINITY OF UTILITY LINES (OVERHEAD AND UNDERGROUND), NOTIFY UTILITY AND COMPLY WITH INSTRUCTIONS AND PRECAUTIONS FOR EXCAVATION AND PROTECTION OF SUCH LINES.
4. BEFORE DIGGING IN THE VICINITY OF PRIVATELY OWNED UTILITIES, THE CONTRACTOR SHALL NOTIFY THE OWNER OF THE SCHEDULE AND EXTENT OF PLANNED EXCAVATIONS.
5. CONTRACTOR IS CAUTIONED THAT THE WORK MAY BE COMPLETED IN PHASES AS REQUIRED TO MAINTAIN THE USE OF STREETS, SIDEWALKS, PUBLIC SPACES AND THE LIKE.
6. CONTRACTOR IS CAUTIONED THAT THESE PLANS ARE DIAGRAMMATIC ONLY AND THAT EXACT LOCATIONS OF TRANSFORMERS, HANDHOLES, LIGHTING FIXTURES, ENCLOSURES AND THE LIKE SHALL BE AS OBVIOUSLY INDICATED AND AS DIRECTED BY CIVIL OR LANDSCAPE ARCHITECT. CONDUIT ROUTINGS ARE SCHEMATIC AND DO NOT INDICATE ACTUAL PATH OF ROUTING UNLESS NOTED OTHERWISE. ROUTE RACEWAYS IN LOGICAL, EFFICIENT MANNER AND AS REQUIRED TO AVOID CONFLICT WITH OTHER UTILITIES. CONTRACTOR SHALL REVIEW ALL PLANS AND SPECIFICATIONS FOR ALL TRADES AND FIELD VERIFY EXISTING CONDITIONS WITH NEW WORK, TO INCLUDE FIELD MODIFICATIONS AS REQUIRED FOR A COMPLETE PROJECT.
7. REFER TO CIVIL FOR LOCATIONS OF ALL PRIMARY COMPONENTS. COORDINATE AND REQUEST CLARIFICATION FOR ANY CONFLICTS WITH CIVIL ENGINEER PRIOR TO PROCEEDING WITH WORK.
8. CONTRACTOR IS CAUTIONED THAT NOT ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE KNOWN. SEE CIVIL FOR KNOWN EXISTING AND NEW UNDERGROUND UTILITY LOCATIONS.
9. MAINTAIN SEPARATION BETWEEN POWER AND COMMUNICATION RACEWAYS/DUCTS AS REQUIRED BE NEC AND IN ACCORDANCE WITH EIA/TIA STANDARDS.
10. CONDUIT ROUTINGS ARE SCHEMATIC AND MAY BE ALTERED BY THE CONTRACTOR FOR PURPOSES OF MORE LOGICAL, EFFICIENT ROUTING, OR TO AVOID CONFLICT WITH OTHER UTILITIES. SUCH MODIFICATIONS SHALL BE PERFORMED WITH NO ADDITIONAL COST TO THE OWNER.
11. ALL UTILITY INFRASTRUCTURE REQUIRED AS PART OF THIS CONTRACTOR'S WORK SHALL COMPLY WITH THE RESPECTIVE UTILITY CONSTRUCTION STANDARDS AND REQUIREMENTS. COORDINATE ALL SERVICE POINTS, RISER POLES, PEDESTALS, HANDHOLES AND THE LIKE WITH RESPECTIVE UTILITY PRIOR TO PERFORMING WORK.
12. SEE LANDSCAPE PLANS FOR TREE PROTECTION ZONES. CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT TREES AND MINIMIZE ROOT DAMAGE. ROUTE CONDUITS OUTSIDE OF TREE DRIP LINES.
13. INSTALL ALL HANDHOLES IN MINIMUM 6” GRAVEL BASE AND IN ACCORDANCE WITH MANUFACTURER GUIDELINES. ADJUST HANDHOLE FRAME AND COVERS AS REQUIRED TO SUIT FINAL GRADE AND FINISH.
14. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC, EXCEPT FOR 45 DEGREE AND GREATER BENDS OR ELBOWS, WHICH SHALL BE ACCOMPLISHED USING BITUMINIOUS COATED RIGID GALVANIZED CONDUIT (RMC). ALL TURNS FOR COMMUNICATION AND PRIMARY POWER RACEWAYS SHALL BE WIDE-RADIUS SWEEP TYPE.
15. IF REQUIRED TO SUIT LUGS, PROVIDE HYDRAULIC CRIMP TYPE WIRE REDUCERS AS REQUIRED TO CONNECT TERMINATE CONDUCTORS.
16. MINIMUM COVER FOR ALL RACEWAYS SHALL BE 30” B.F.G. PROVIDE MAGNETIC ELECTRICAL LOCATOR/WARNING TAPE FOR ALL UNDERGROUND RACEWAYS - INSTALL 12 ” BELOW FINISHED GRADE.
17. PROVIDE PULL CORDS IN ALL EMPTY RACEWAYS. CAP BOTH ENDS AND PROVIDE BRASS MARKER TAGS.
18. CONTRACTOR SHALL DOCUMENT ALL FINAL ROUTINGS, LOCATIONS OF SLEEVES/CAPPED RACEWAY AND LOCATIONS OF MAJOR SITE ELECTRICAL EQUIPMENT ON RECORD DRAWINGS. INCLUDE DIMENSIONS FROM A PERMANENT SITE STRUCTURE(S) FOR ALL UNDERGROUND SLEEVES/CAPPED RACEWAY TO ALLOW FOR FUTURE USE.

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PROJECT RECORD SEAL

S. DICKSON O'BRIEN
No. 19845

08.07.2026

GWA, INC.
ELECTRICAL
ENGINEERS
No. C00825

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETTON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

OVERALL - SITE PLAN

ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 08.07.2026
SCALE: 1/8" = 1'-0"
DRAWN BY: ZA
PROJ MGR: BG

E100

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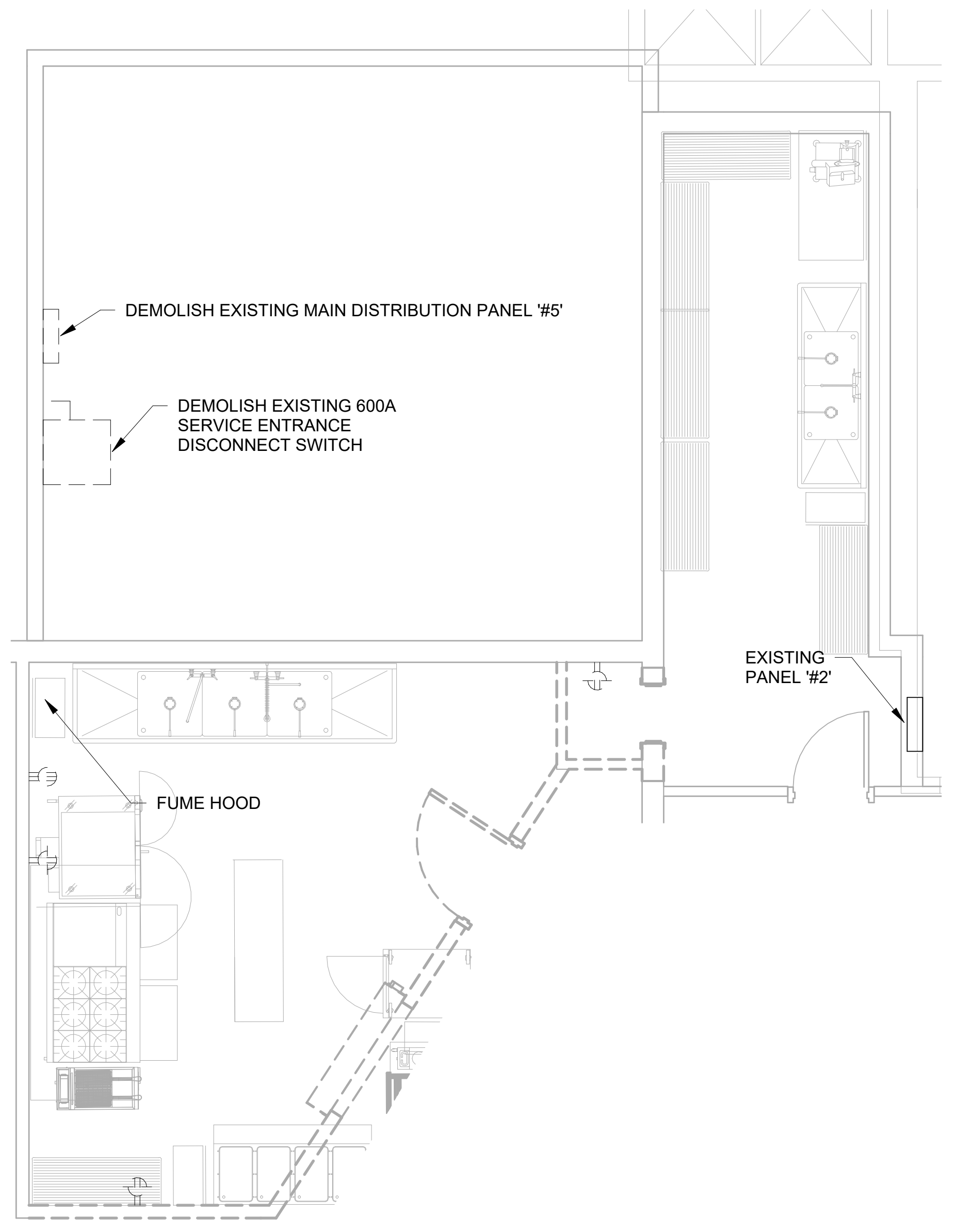
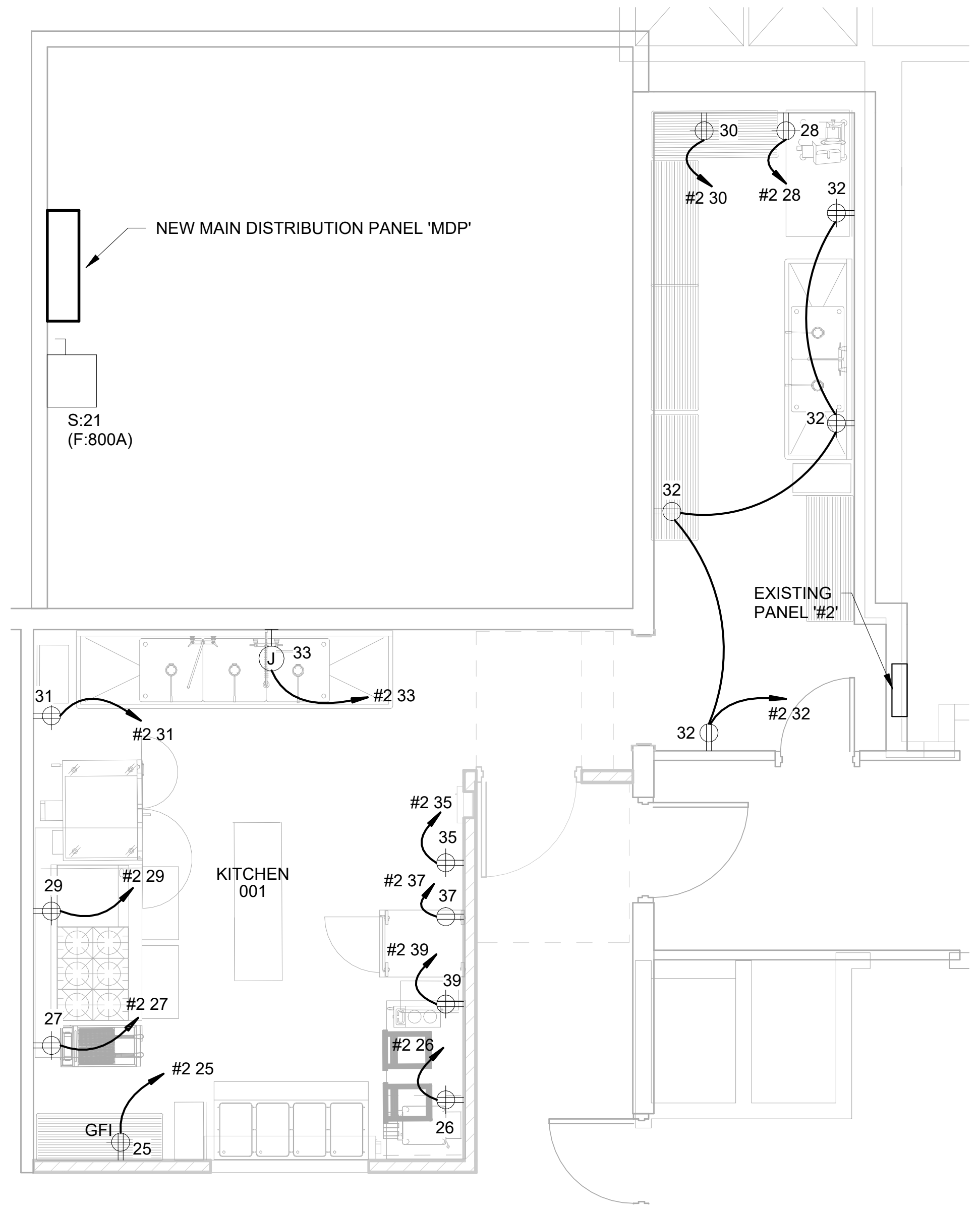
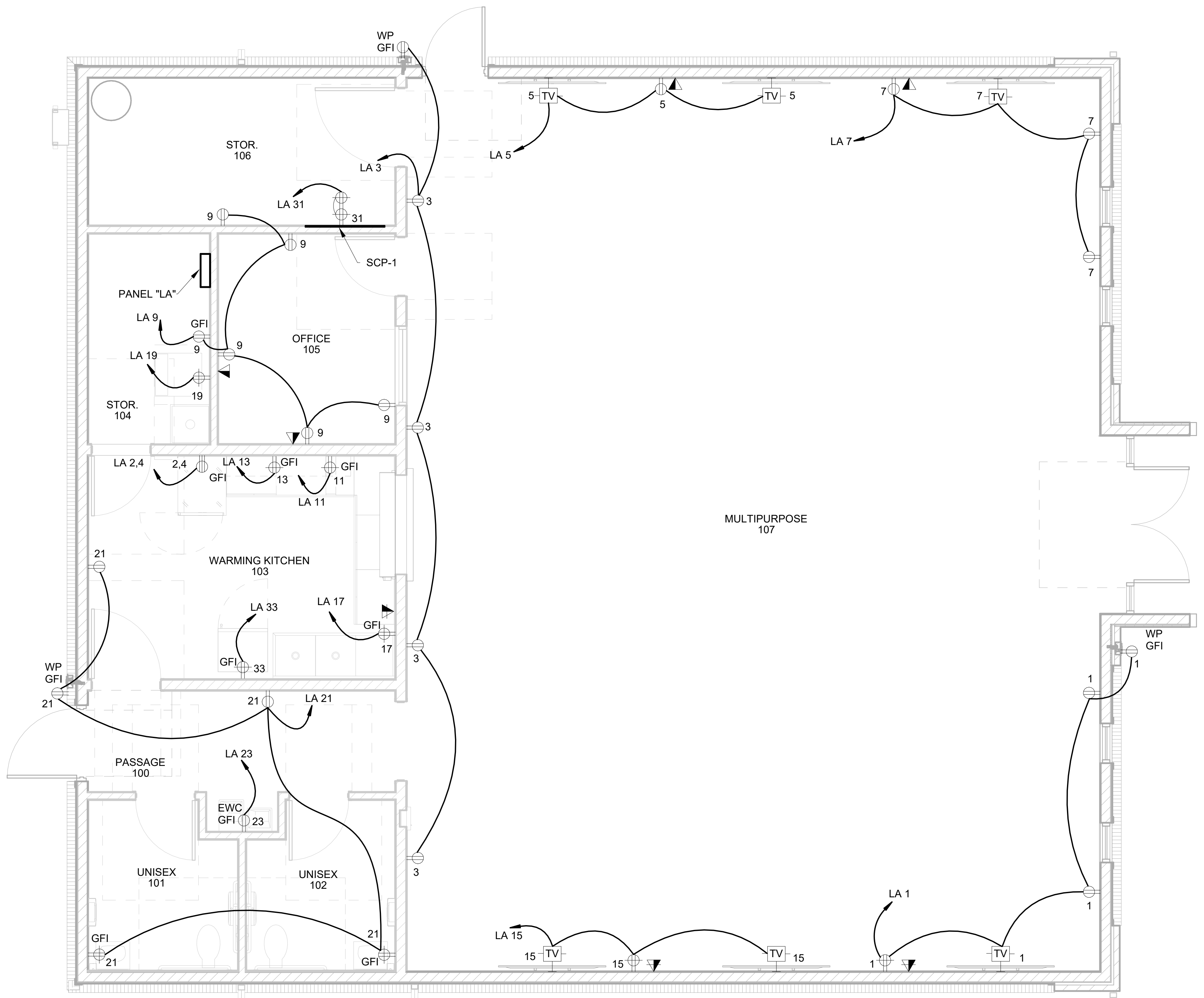

DEMOLISH EXISTING MAIN DISTRIBUTION PANEL '#5'
DEMOLISH EXISTING 600A SERVICE ENTRANCE DISCONNECT SWITCH
EXISTING PANEL '#2'
FUME HOOD

② KITCHEN ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"



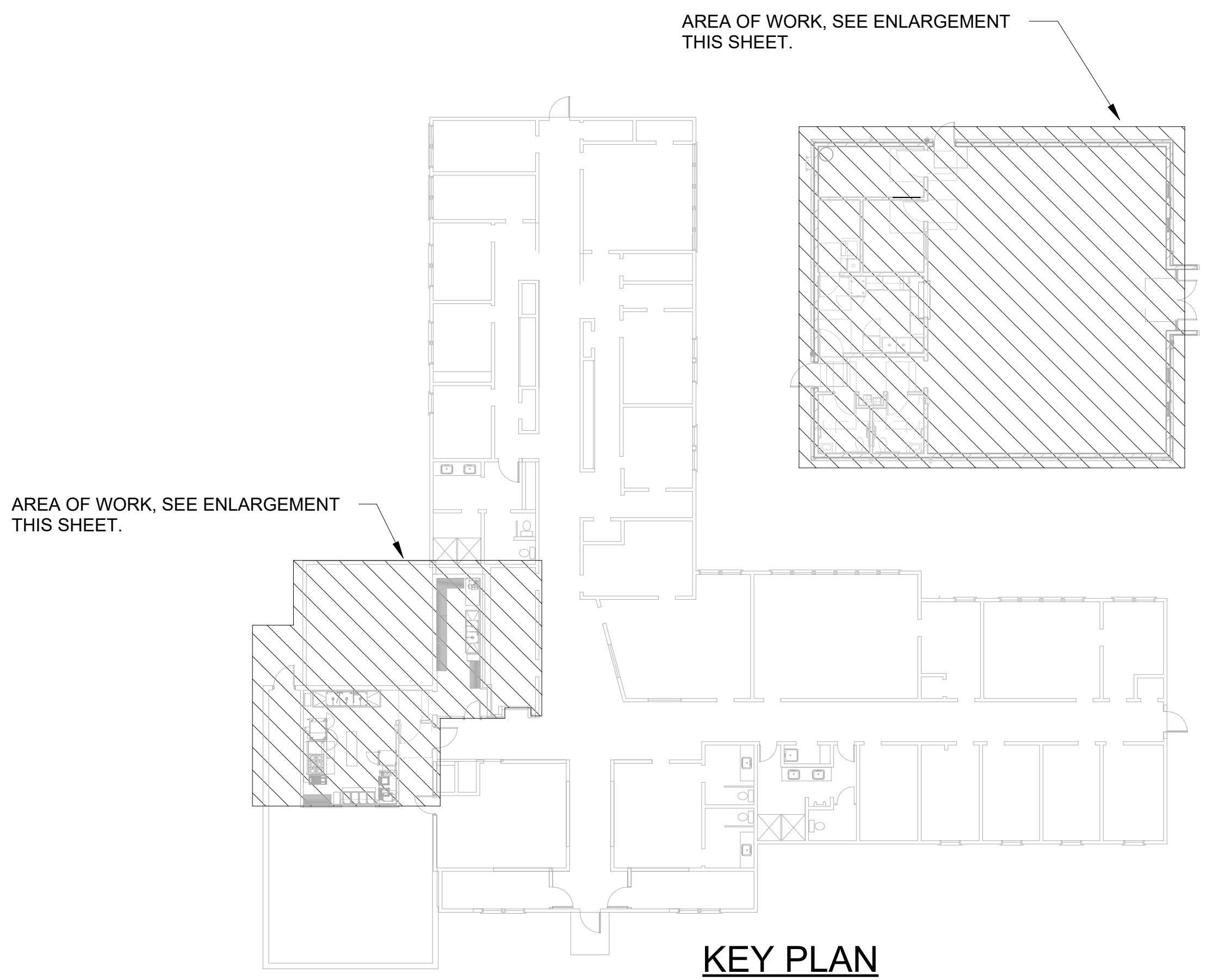
④ KITCHEN ELECTRICAL NEW WORK PLAN
1/4" = 1'-0"



① MULTIPURPOSE ROOM ELECTRICAL NEW WORK PLAN
1/4" = 1'-0"

DEMOLITION NOTES

1. BIDDERS SHALL VISIT THE SITE OF WORK PRIOR TO BIDDING AND SHALL INCLUDE IN BID ALL WORK REQUIRED TO PROVIDE NEW WORK AND TO MODIFY EXISTING WORK AS REQUIRED TO CONTINUE IN OPERATION.
2. DEMOLITION WORK SHALL COMPLY WITH ANSI 10.6, NFPA 241, OSHA, AHERA AND ALL OTHER APPLICABLE LOCAL, STATE AND FEDERAL STANDARDS, CODES AND GUIDELINES.
3. CONTRACTOR IS CAUTIONED THAT DEMOLITION PLANS ARE BASED ON RECORD DRAWINGS AND VISUAL FIELD OBSERVATION AND ARE INTENDED TO COMMUNICATE INTENT OF DEMOLITION AND DO NOT INDICATE EVERY COMPONENT OF ELECTRICAL SYSTEMS.
4. OWNER SHALL RETAIN FIRST RIGHT OF REFUSAL ON ELECTRICAL EQUIPMENT BEING DEMOLISHED. PRIOR TO BEGINNING DEMOLITION WORK, CONTRACTOR SHALL WALL DEMOLITION AREA WITH OWNER REPRESENTATIVE AND IDENTIFY ITEMS TO BE REMOVED AND TURNED OVER TO OWNER. ALL SUCH ITEMS SHALL BE CAREFULLY REMOVED, PROTECTED AND DELIVERED TO OWNER.
5. EXISTING RACEWAY AND WIRING SYSTEMS REUSED AS PART OF THIS CONTRACT SHALL BE REWORKED AS REQUIRED TO COMPLY WITH REQUIREMENTS FOR NEW WORK AND CURRENT CODES AND STANDARDS.
6. CONTRACTOR SHALL EXAMINE DEMOLITION AND NEW WORK PLANS FOR ALL TRADES AND INCLUDE IN BID ALL REQUIRED REWORK AND/OR RELOCATION OF EXISTING RACEWAY, JUNCTION BOXES, DEVICES, WIRING SYSTEMS AND THE LIKE AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
7. SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION FLOOR PLAN. EXAMINE WORK TO BE DONE AND PROVIDE ALL ELECTRICAL WORK REQUIRED FOR DEMOLITION.
8. SEE MECHANICAL DRAWINGS FOR EXTENT OF DEMOLITION WORK REQUIRED. REMOVE ELECTRICAL WORK COMPLETE FOR MECHANICAL SYSTEMS BEING REMOVED BY OTHERS. CONTRACTOR IS CAUTIONED THAT THIS EQUIPMENT MAY BE LOCATED OUTSIDE OF GENERAL DEMOLITION AREA (SUCH AS IN MECHANICAL ROOMS, MEZZANINES, ROOFTOP OR SIMILAR LOCATIONS).
9. INCLUDE IN BID ALL WORK REQUIRED FOR TEMPORARY WIRING AND ASSOCIATED ELECTRICAL WORK REQUIRED TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING DEMOLITION PHASE. INTERRUPTIONS IN ANY ELECTRICAL SERVICE OR SYSTEM (POWER, LIGHTING, COMMUNICATION, FIRE ALARM, ETC.) SHALL BE COORDINATED WITH AND APPROVED BY OWNER A MINIMUM OF 48 HOURS PRIOR TO PERFORMING WORK U.N.O.
10. ELECTRICAL DEMOLITION GENERALLY INCLUDES REMOVAL OF EXISTING OUTLETS, DEVICES, AND OTHER ELECTRICAL COMPONENTS. WHERE ALL CIRCUIT LOADS ARE REMOVED, DEMOLISH CIRCUITS BACK TO PANELBOARD(S). WHERE ONLY PORTIONS OF CIRCUIT LOADS ARE REMOVED, REWORK CIRCUITS BY EXTENSION AND RECONNECTION TO CONTINUE REMAINING LOADS IN SERVICE BEYOND THE DEMOLITION AREA.
11. WIRING SYSTEMS SHALL BE REMOVED BACK TO THE SOURCE OF SUPPLY UNLESS NOTED OTHERWISE. CIRCUIT BREAKERS, FUSIBLE SWITCHES, ETC. SUPPLYING LOADS DEMOLISHED AS PART OF THIS CONTRACT SHALL BE LABELED AS SPARE AND SET TO THE OFF POSITION.
12. PROVIDE REVISED CIRCUIT DIRECTORIES IN ALL PANELBOARDS AFFECTED BY NEW OR DEMOLITION WORK. INDICATE ALL LOADS, NEW, SPARE OR MODIFIED.
13. FOR ALL LIGHTING BEING RELOCATED OR NOTED AS EXISTING TO REMAIN, REMOVE, CLEAN, RE-LAMP AND REINSTALL COMPLETE IN LOCATIONS AS INDICATED ON NEW WORK PLANS. PROVIDE NEW CONTROL AS INDICATED.
14. ALL ELECTRICAL COMPONENTS AND DEVICES INDICATED AS TO REMAIN OR TO BE RELOCATED SHALL BE PROTECTED AGAINST DAMAGE DURING DEMOLITION PROCESS AND CLEANED PRIOR TO BEING RESTORED INTO SERVICE.
15. REMOVE ALL EXISTING, ABANDONED WIRING SYSTEMS IN CEILING SPACE, EQUIPMENT ROOMS, SHAFTS, CRAWL SPACES AND SIMILAR CAVITIES OF THE WORK AREA, INCLUDING WIRING, RACEWAYS, BOXES AND SUPPORTS.
16. EXISTING CEILING SYSTEMS ARE BEING REMOVED AND REPLACED IN SOME AREAS UNDER THIS CONTRACT. INCLUDE IN BID ALL WORK AS REQUIRED FOR RELOCATION OF ALL EXISTING CEILING MOUNTED ELECTRICAL DEVICES (FIRE ALARM, SENSORS, CAMERAS, CLOCKS, SPEAKERS, ETC.) TO NEW CEILING SYSTEM. PROVIDE REMOVAL, PROTECTION OF, TEMPORARY SUPPORT AND REINSTALLATION COMPLETE.


AREA OF WORK, SEE ENLARGEMENT THIS SHEET.
AREA OF WORK, SEE ENLARGEMENT THIS SHEET.

KEY PLAN
NO SCALE

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GWA inc.
Electrical Engineers

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PROJECT RECORD SEAL

S. DICKSON O'BRIEN
No. 19845

08.07.2026

GWA, INC.
ELECTRICAL
ENGINEERS
No. C00825

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETTON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

ELECTRICAL PLANS

ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 08.07.2026
SCALE: As indicated
DRAWN BY: ZA
PROJ MGR: BG

E101

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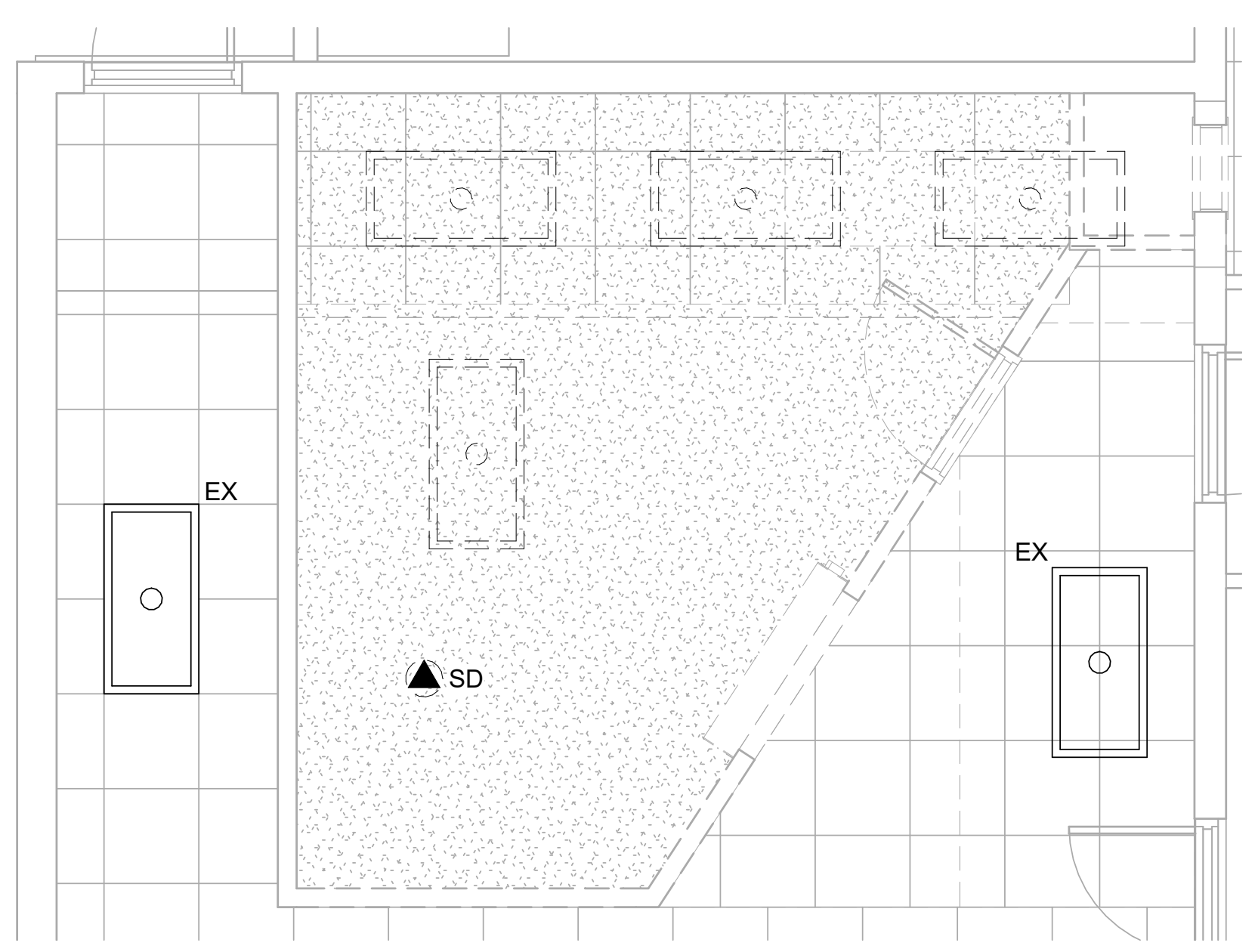
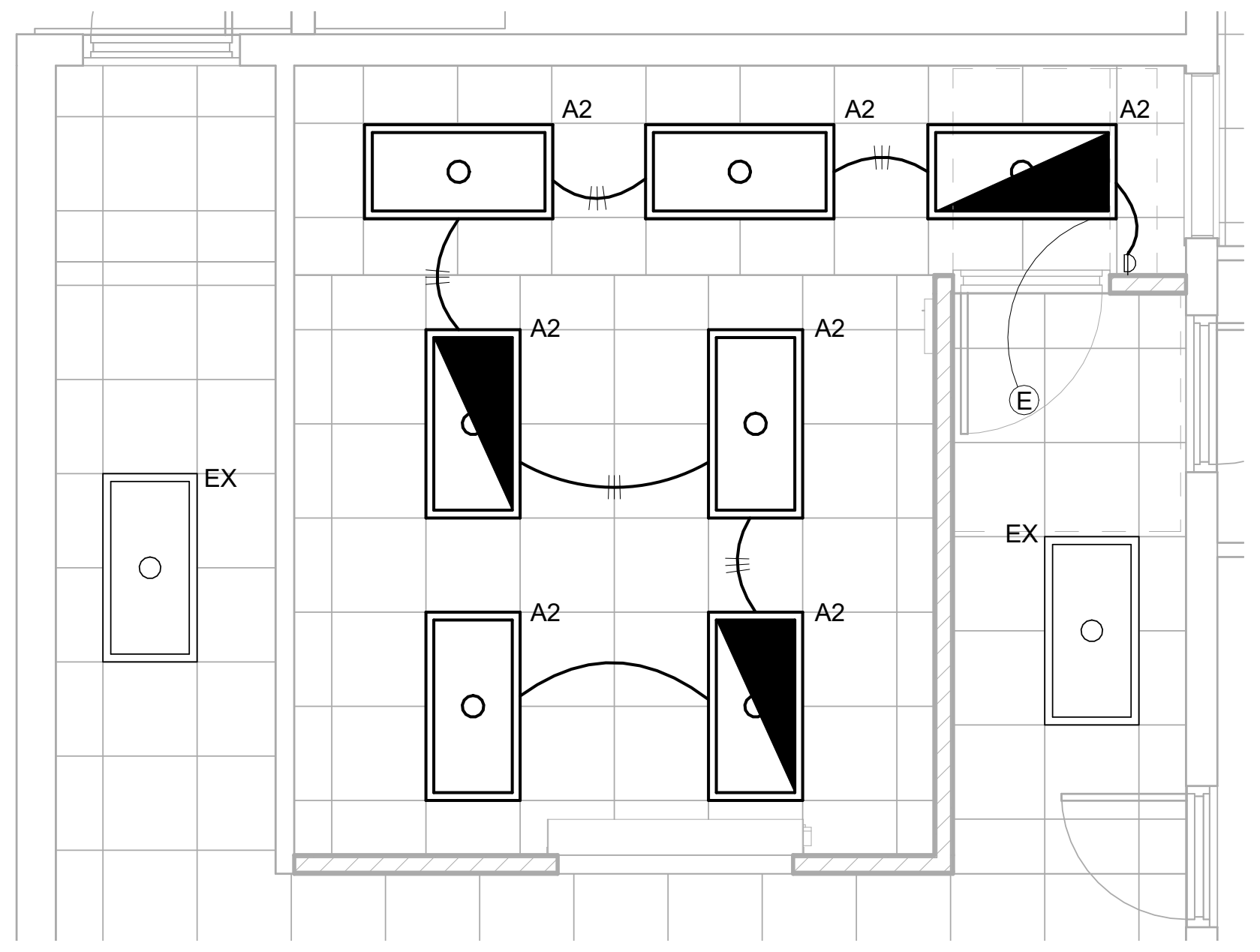
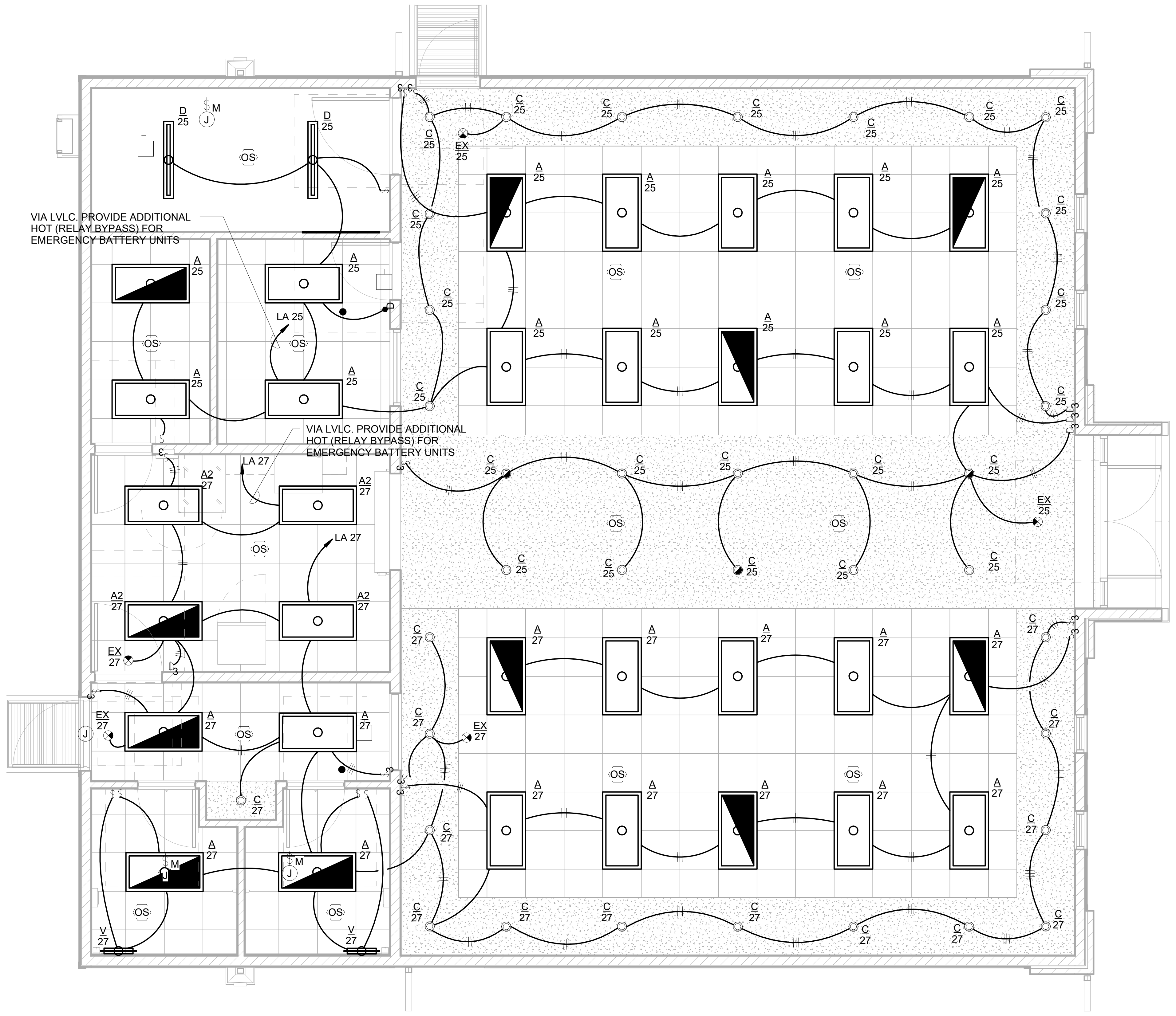


6 KITCHEN LIGHTING DEMOLITION PLAN
1/4" = 1'-0"



5 KITCHEN LIGHTING NEW WORK PLAN
1/4" = 1'-0"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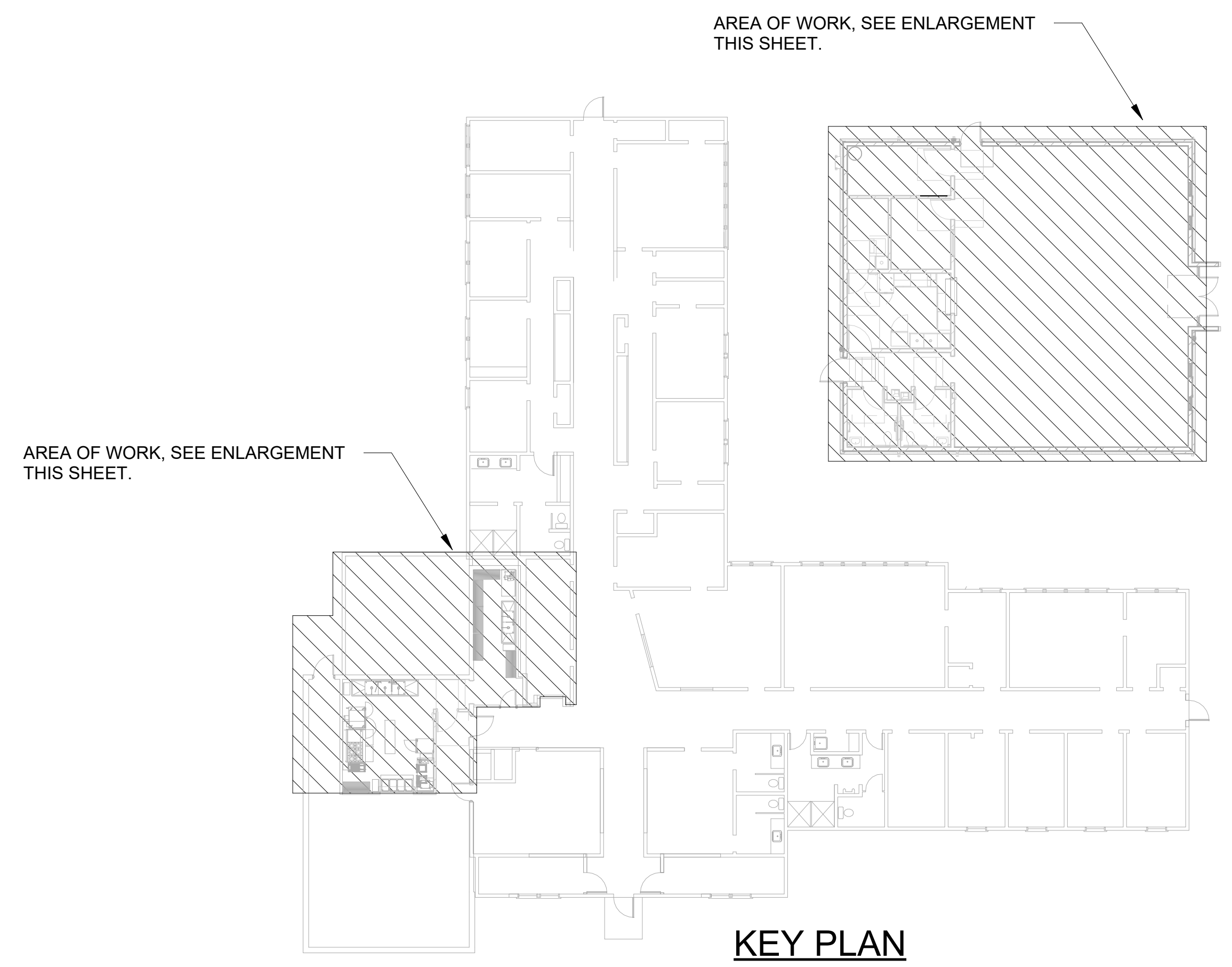
D 25
M
J
OS
VIA LVLC. PROVIDE ADDITIONAL HOT (RELAY BYPASS) FOR EMERGENCY BATTERY UNITS
VIA LVLC. PROVIDE ADDITIONAL HOT (RELAY BYPASS) FOR EMERGENCY BATTERY UNITS
LA 25
LA 27
LA 27
A 25
A2 27
A 27
C 25
C 27
EX 25
EX 27
V 27
3

3 MULTIPURPOSE LIGHTING NEW WORK PLAN
1/4" = 1'-0"


AREA OF WORK, SEE ENLARGEMENT THIS SHEET.
AREA OF WORK, SEE ENLARGEMENT THIS SHEET.

KEY PLAN
NO SCALE

GWA: 25210

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PROJECT RECORD SEAL

S. DICKSON O'BRIEN
No. 19845

08.07.2026

GWA, INC.
ELECTRICAL ENGINEERS
No. C00825

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETTON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

LIGHTING PLANS

ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 08.07.2026
SCALE: As indicated
DRAWN BY: Author
PROJ MGR: Checker

E201

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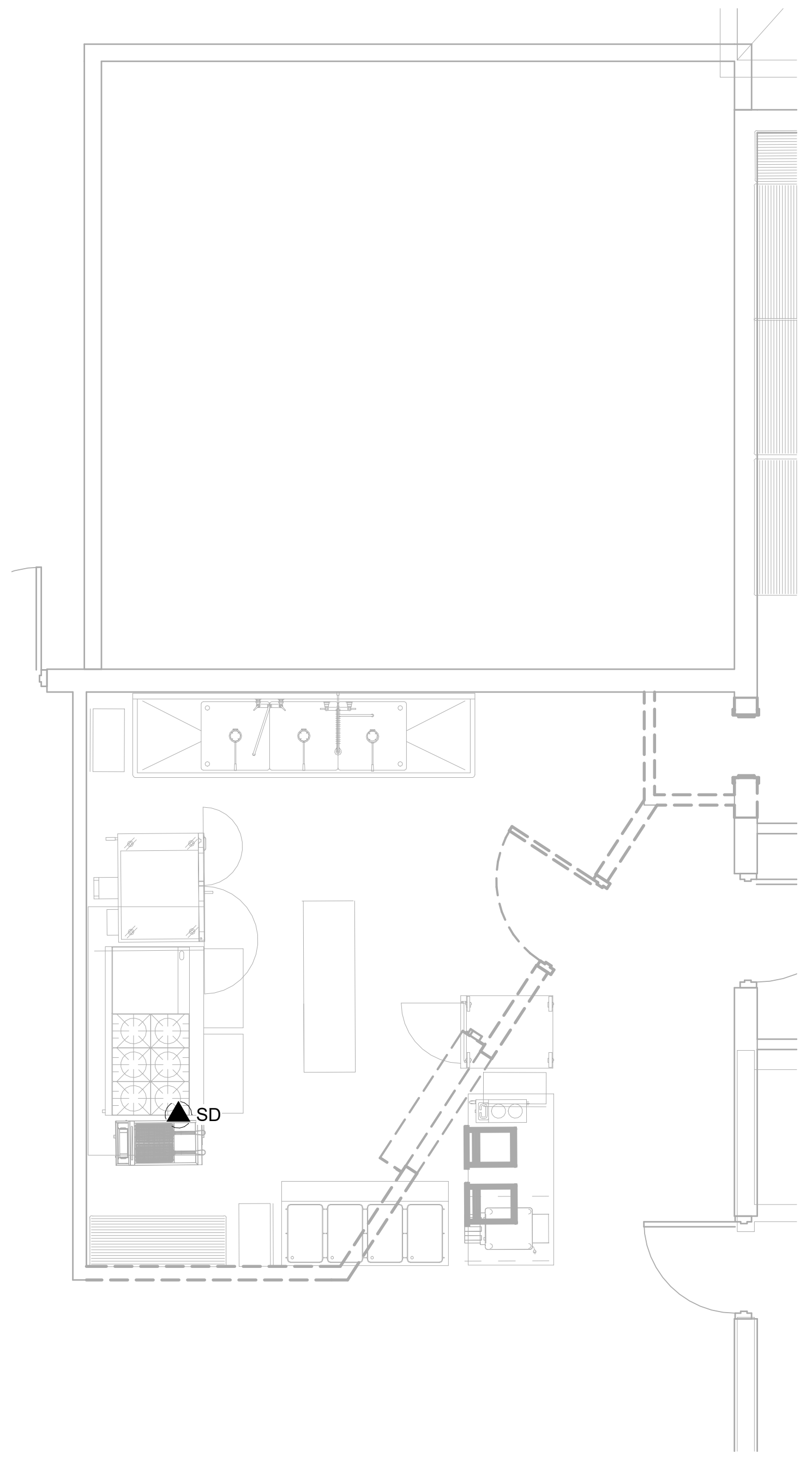
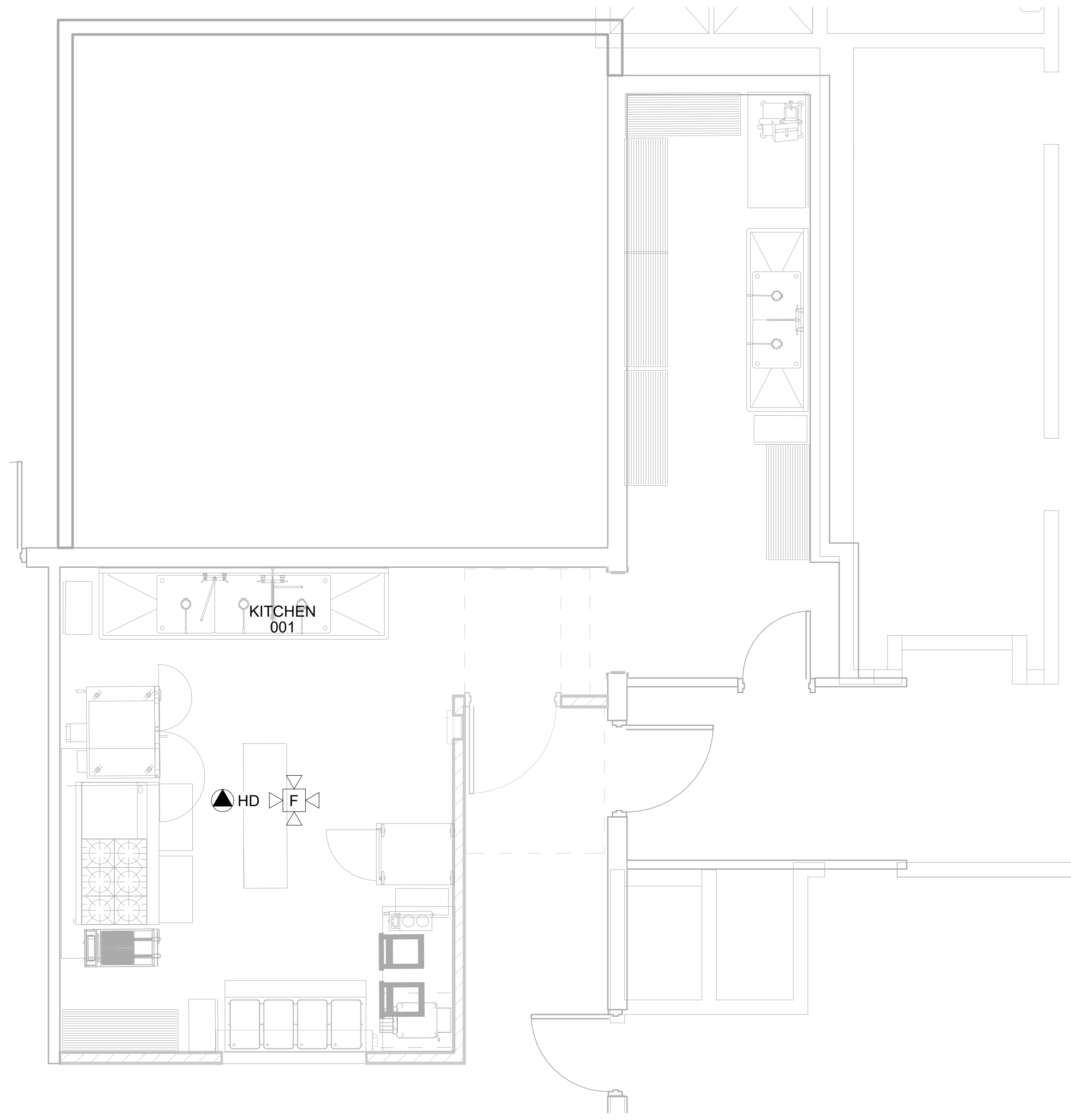
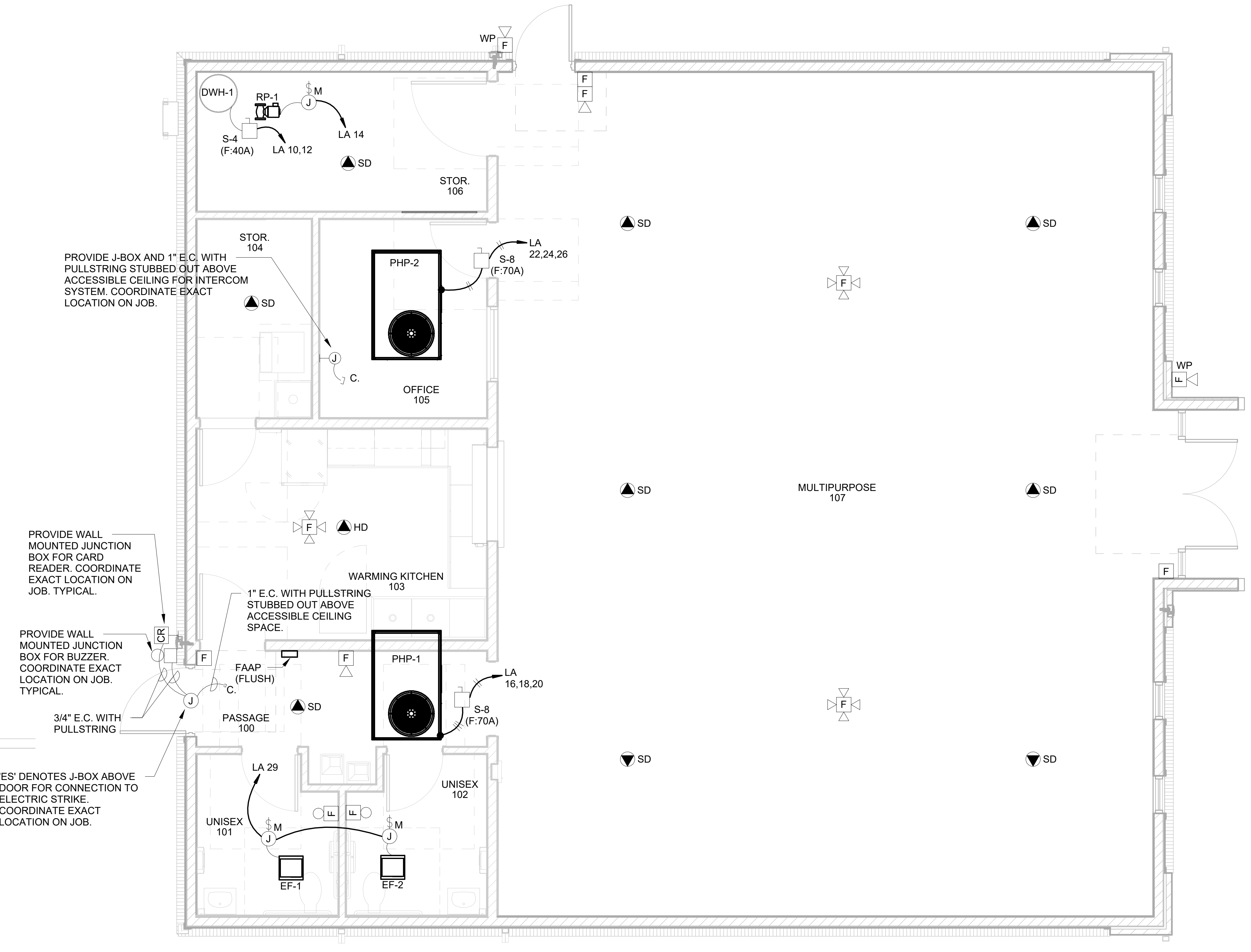


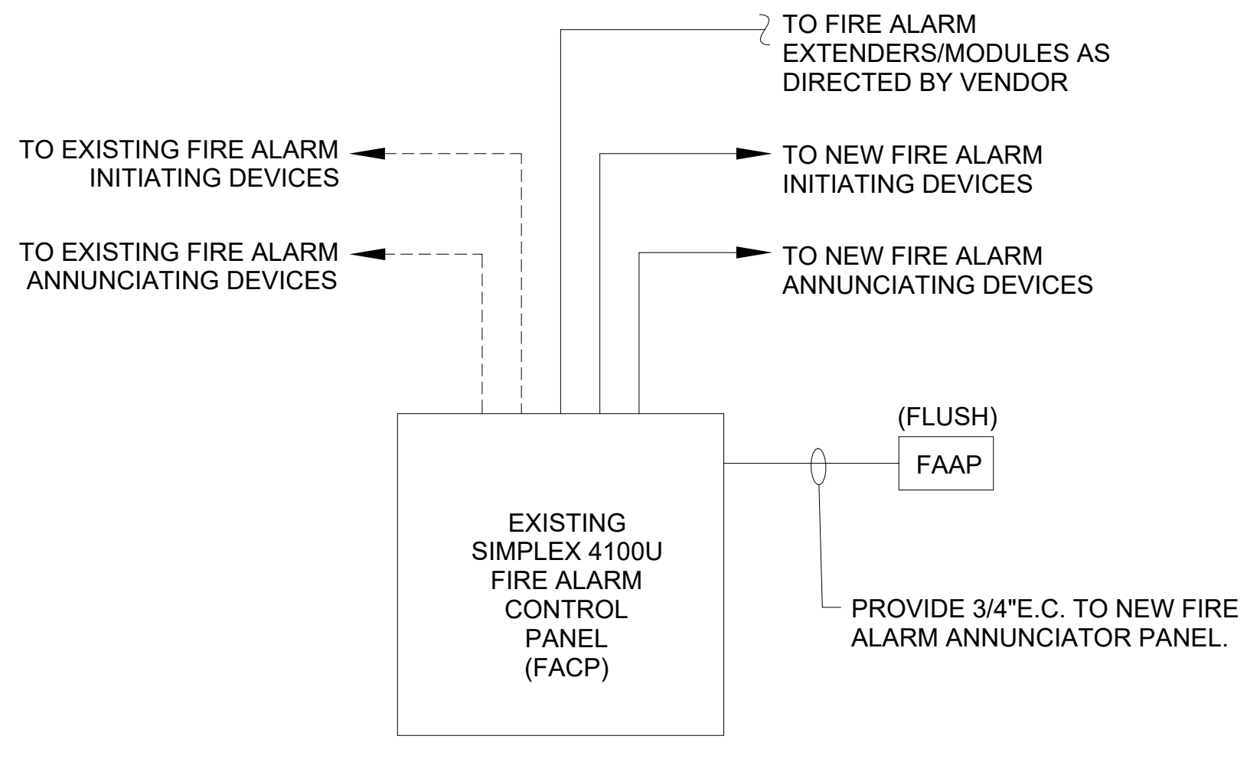
① KITCHEN ELECTRICAL SYSTEMS DEMOLITION PLAN
1/4" = 1'-0"



② FIRST FLOOR ELECTRICAL SYSTEMS NEW WORK PLAN
1/4" = 1'-0"


WP
F
DWH-1
RP-1
M
J
S-4
(F:40A)
LA 10,12
LA 14
SD
STOR.
106
STOR.
104
LA
22,24,26
S-8
(F:70A)
PHP-2
PROVIDE J-BOX AND 1" E.C. WITH PULLSTRING STUBBED OUT ABOVE ACCESSIBLE CEILING FOR INTERCOM SYSTEM. COORDINATE EXACT LOCATION ON JOB.
C.
OFFICE
105
MULTIPURPOSE
107
HD
WARMING KITCHEN
103
PROVIDE WALL MOUNTED JUNCTION BOX FOR CARD READER. COORDINATE EXACT LOCATION ON JOB. TYPICAL.
CR
1" E.C. WITH PULLSTRING STUBBED OUT ABOVE ACCESSIBLE CEILING SPACE.
PROVIDE WALL MOUNTED JUNCTION BOX FOR BUZZER. COORDINATE EXACT LOCATION ON JOB. TYPICAL.
FAAP
(FLUSH)
PHP-1
LA
16,18,20
S-8
(F:70A)
3/4" E.C. WITH PULLSTRING
PASSAGE
100
'ES' DENOTES J-BOX ABOVE DOOR FOR CONNECTION TO ELECTRIC STRIKE. COORDINATE EXACT LOCATION ON JOB.
LA 29
UNISEX
101
UNISEX
102
EF-1
EF-2

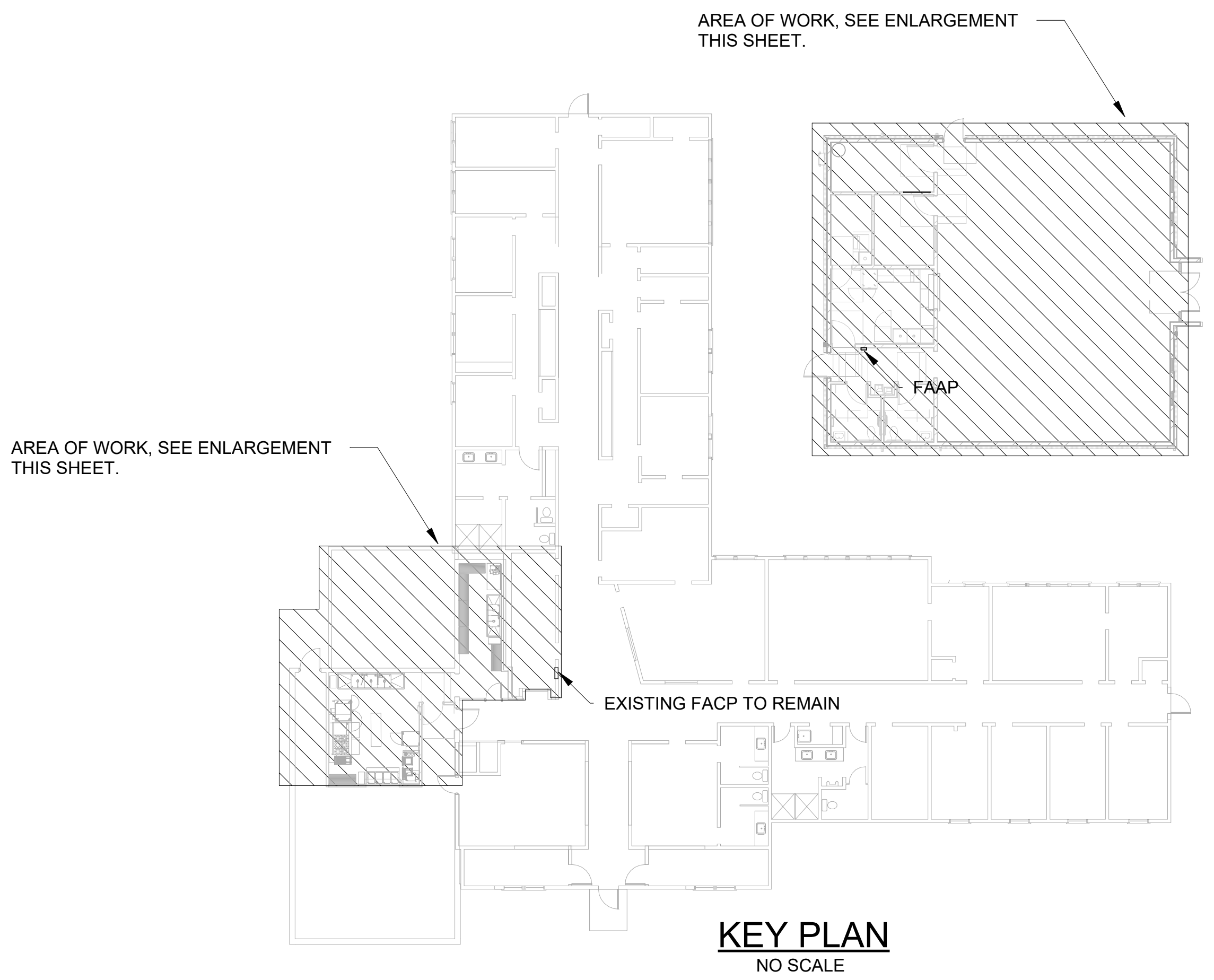
③ KITCHEN ELECTRICAL SYSTEMS NEW WORK PLAN
1/4" = 1'-0"


TO FIRE ALARM EXTENDERS/MODULES AS DIRECTED BY VENDOR
TO EXISTING FIRE ALARM INITIATING DEVICES
TO NEW FIRE ALARM INITIATING DEVICES
TO EXISTING FIRE ALARM ANNUNCIATING DEVICES
TO NEW FIRE ALARM ANNUNCIATING DEVICES
(FLUSH)
FAAP
EXISTING SIMPLEX 4100U FIRE ALARM CONTROL PANEL (FACP)
PROVIDE 3/4"E.C. TO NEW FIRE ALARM ANNUNCIATOR PANEL.

FIRE ALARM RISER DIAGRAM
NO SCALE

NOTES TO FIRE ALARM RISER DIAGRAM

1. ALL WORK SHALL BE IN ACCORDANCE WITH IBC (2021), IFC (2021), NFPA 70 (2020), NFPA 72 (2019), NFPA 101 (2018), ADA (2010) AND ICC/ANSI A117.1 (2017) AND ALL LOCAL CODES AND REGULATIONS.
2. SYSTEM EXTENSION SHALL BE MULTIPLEX TYPE. ALL DEVICES AND SYSTEM COMPONENTS SHALL BE UL LISTED FOR APPLICATION.
3. PROVIDE A FIRE ALARM DOCUMENTS BOX (FDB) IN ACCORDANCE WITH NFPA 72, 7.7.2 REQUIREMENTS. INSTALL IN ACCESSIBLE AREA NEAR FIRE ALARM CONTROL PANEL AS APPROVED BY AHJ.
4. ALL STROBES SHALL BE SYNCHRONIZED.
5. ALL CONDUCTORS SHALL BE INSTALLED IN RACEWAYS. RACEWAYS SHALL BE METALLIC CONDUIT, MINIMUM 3/4 ” SIZE.
6. PROVIDE SURGE PROTECTION FOR POWER SUPPLIES, TRANSPONDERS, EXTENDER PANELS, DIALERS, ANNUNCIATION AND INITIATING CIRCUITS. EQUIPMENT SHALL BE UL LISTED FOR APPLICATION AND INSTALLED IN ACCORDANCE WITH MANUFACTURER GUIDELINES.
7. COORDINATE WITH OWNER FOR UL APPROVED REPORTING SERVICE - OWNER WILL CONTRACT WITH REPORTING SERVICE. PROVIDE REPORTING DEVICE(S), DUAL-REPORTING TYPE, COMPATIBLE WITH AND AS APPROVED BY REPORTING SERVICE SELECTED.
8. FIRESTOP ALL PENETRATIONS THRU RATED PARTITIONS AND FLOORS. USE UL LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS APPROPRIATE FOR CONSTRUCTION TYPE AND WITH RATING EQUAL TO THAT BEING PENETRATED.
9. FIELD ADJUST SMOKE DETECTOR SPACING IN CORRIDORS AS REQUIRED TO MAINTAIN MIN. 3'-0" SEPARATION FROM AIR REGISTERS. MAINTAIN MAXIMUM 30'-0" SPACING BETWEEN DETECTORS AND 3'-0" FROM DOOR HOLD OPEN DEVICES.
10. CONTRACTOR SHALL FIELD VERIFY TRANSPONDER, EXTENDER PANEL AND FIRE ALARM J-BOX LOCATIONS AND COORDINATE FINAL LOCATIONS WITH OWNER PRIOR TO ROUGHING. PROVIDE SMOKE DETECTORS AT ALL NEW CONTROL PANELS IN ACCORDANCE WITH NPFA 72.
11. CONTRACTOR SHALL COORDINATE FIRE ALARM DEVICE LOCATIONS TO AVOID CONFLICT WITH CONDITIONS SUCH AS LOCKERS, ARTWORK, BULLETIN BOARDS, CASEWORK, STRUCTURAL COMPONENTS, BULKHEADS AND THE LIKE. ADJUST AS REQUIRED, MAINTAINING COMPLIANCE WITH NFPA 72.
12. INSTALL ALL STROBE AND COMBINATION DEVICES WITHIN 15' FROM THE END OF CORRIDORS IN ACCORDANCE WITH NFPA 72.
13. REFER TO MECHANICAL DRAWINGS AND COORDINATE WITH MECHANICAL CONTRACTOR FOR FIRE/SMOKE DAMPERS, MECHANICAL UNIT TYPES AND CHARACTERISTICS, LOCATIONS, QUANTITIES AND FUNCTIONS. PROVIDE DUCT AND AREA DETECTORS IN COMPLIANCE WITH LOCAL CODES. MOUNTING IN DUCTS SHALL BE IN ACCORDANCE WITH CODES AND MANUFACTURER GUIDELINES. PROVIDE DETECTORS AT CONNECTIONS TO VERTICAL RETURN AIR SHAFTS PER IBC. CONNECT COMPLETE FOR AIR HANDLER SHUTDOWN IN ACCORDANCE WITH LOCAL CODES.
14. LABEL FIRE ALARM ANNUNCIATION DEVICES AS DIRECTED BY A.H.J.
15. BUILDING WILL BE SPRINKLERED. VERIFY QUANTITIES AND LOCATION OF FLOW SWITCHES, TAMPER SWITCHES, POST INDICATING VALVES AND OTHER DEVICES WHICH COULD PREVENT THE REQUIRED OPERATION OF THE SPRNKLER SYSTEM WITH THE APPROVED FIRE PROTECTION SHOP DRAWINGS AND SPRINKLER CONTRACTOR AND CONNECT COMPLETE IN ACCORDANCE WITH LOCAL CODES.


AREA OF WORK, SEE ENLARGEMENT THIS SHEET.
FAAP
AREA OF WORK, SEE ENLARGEMENT THIS SHEET.
EXISTING FACP TO REMAIN

KEY PLAN
NO SCALE

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PROJECT RECORD SEAL

S. DICKSON O'BRIEN
No. 19845

08.07.2026

GWA, INC.
ELECTRICAL ENGINEERS
No. C00825

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETTON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

ELECTRICAL SYSTEMS PLANS

ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 08.07.2026
SCALE: As indicated
DRAWN BY: ZA PROJ MGR: BG

E301

GWA: 25210

GWA inc.
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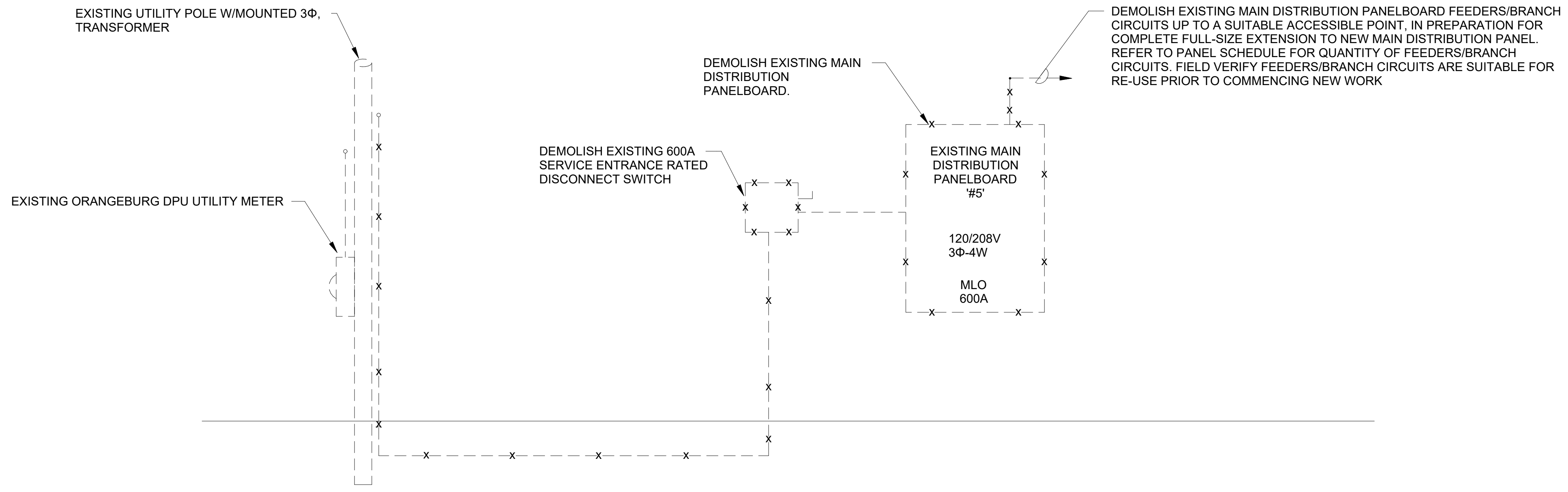
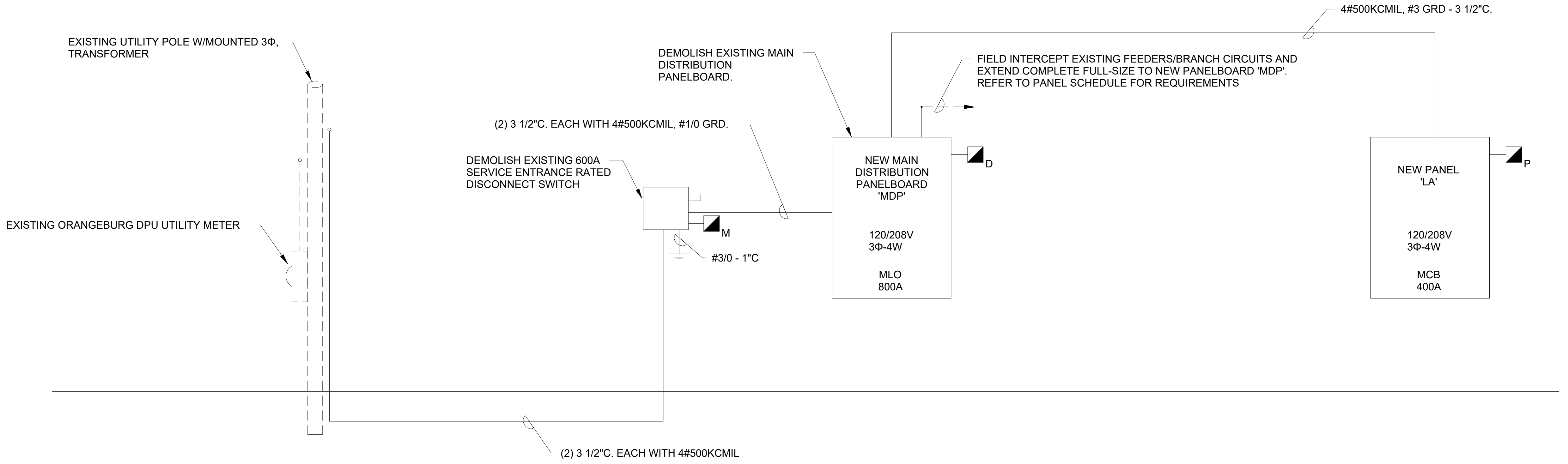

EXISTING UTILITY POLE W/MOUNTED 3Φ, TRANSFORMER
EXISTING ORANGEBURG DPU UTILITY METER
DEMOLISH EXISTING 600A SERVICE ENTRANCE RATED DISCONNECT SWITCH
DEMOLISH EXISTING MAIN DISTRIBUTION PANELBOARD.
EXISTING MAIN DISTRIBUTION PANELBOARD '#5'
120/208V 3Φ-4W
MLO 600A
DEMOLISH EXISTING MAIN DISTRIBUTION PANELBOARD FEEDERS/BRANCH CIRCUITS UP TO A SUITABLE ACCESSIBLE POINT, IN PREPARATION FOR COMPLETE FULL-SIZE EXTENSION TO NEW MAIN DISTRIBUTION PANEL. REFER TO PANEL SCHEDULE FOR QUANTITY OF FEEDERS/BRANCH CIRCUITS. FIELD VERIFY FEEDERS/BRANCH CIRCUITS ARE SUITABLE FOR RE-USE PRIOR TO COMMENCING NEW WORK

PARTIAL POWER RISER DIAGRAM - DEMOLITION
NO SCALE


4#500KCMIL, #3 GRD - 3 1/2"C.
EXISTING UTILITY POLE W/MOUNTED 3Φ, TRANSFORMER
DEMOLISH EXISTING MAIN DISTRIBUTION PANELBOARD.
FIELD INTERCEPT EXISTING FEEDERS/BRANCH CIRCUITS AND EXTEND COMPLETE FULL-SIZE TO NEW PANELBOARD 'MDP'. REFER TO PANEL SCHEDULE FOR REQUIREMENTS
(2) 3 1/2"C. EACH WITH 4#500KCMIL, #1/0 GRD.
DEMOLISH EXISTING 600A SERVICE ENTRANCE RATED DISCONNECT SWITCH
NEW MAIN DISTRIBUTION PANELBOARD 'MDP'
120/208V 3Φ-4W
MLO 800A
D
NEW PANEL 'LA'
120/208V 3Φ-4W
MCB 400A
P
EXISTING ORANGEBURG DPU UTILITY METER
M
#3/0 - 1"C
(2) 3 1/2"C. EACH WITH 4#500KCMIL

PARTIAL POWER RISER DIAGRAM - NEW WORK
NO SCALE

SYMBOL	APPLICATION
M	SERVICE ENTRANCE
D	DISTRIBUTION PANEL
P	BRANCH CIRCUIT PANEL

NOTES TO SPD (SURGE PROTECTION DEVICES):

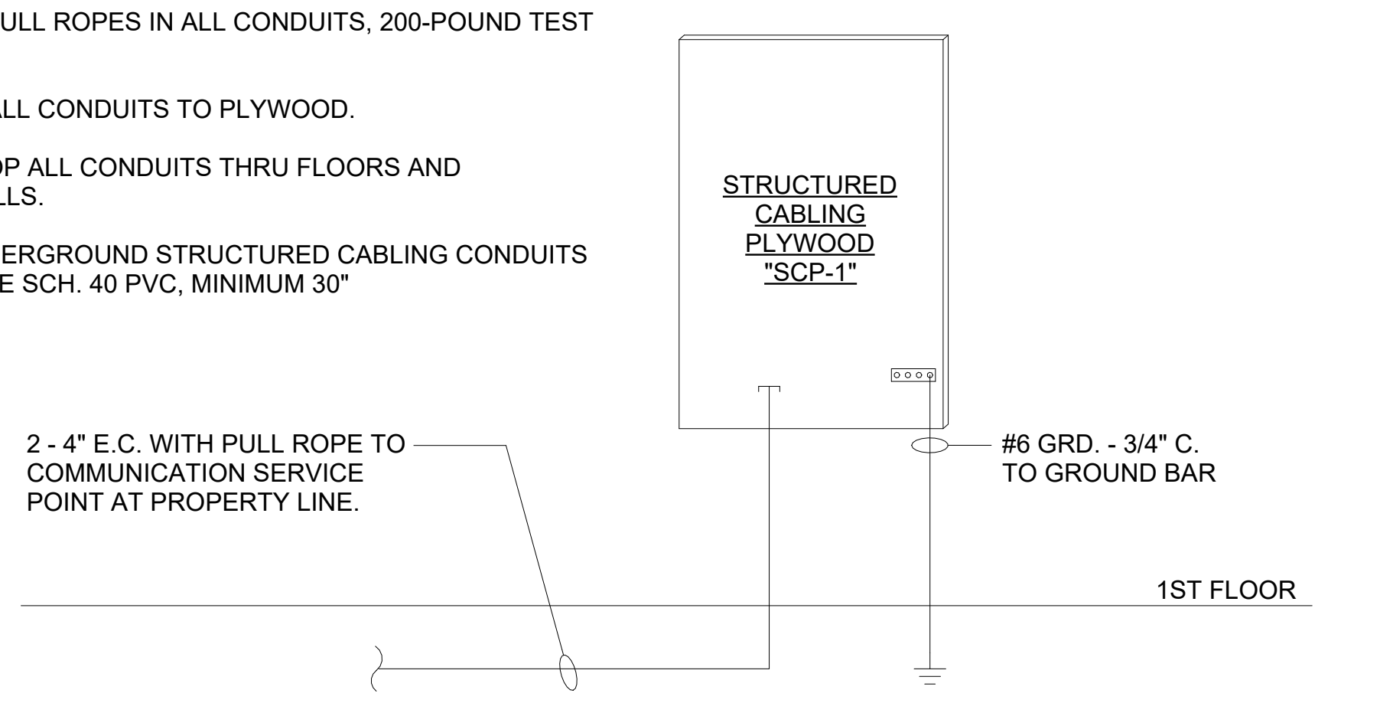
1. PROVIDE SPD'S AT ALL , PANELBOARDS, AND OUTLETS AS INDICATED
2. INSTALL STRICTLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. LEAD LENGTHS SHALL BE EQUAL TO OR LESS THAN MANUFACTURER'S RECOMMENDED LENGTHS. PROVIDE OVERCURRENT PROTECTION IN CURRENT RATINGS AND NUMBER OF POLES PER MANUFACTURER'S INSTRUCTIONS.
3. LOCATE SPD UNITS AS NEAR TO PROTECTED PANELBOARD AS PHYSICALLY POSSIBLE IN ORDER TO MINIMIZE LEAD LENGTH.
4. VOLTAGE RATING SHALL SUIT GEAR/DEVICES SERVED.
5. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

NOTES TO POWER RISER DIAGRAM

1. PRIOR TO ROUGHING, LAYOUT ALL ELECTRICAL EQUIPMENT BASED ON ACTUAL DIMENSIONS OF EQUIPMENT FURNISHED IN COMPLIANCE WITH CLEARANCE AND WORKSPACE REQUIREMENTS OF NEC ARTICLE 110. MOUNTING HEIGHTS OF EQUIPMENT SHALL COMPLY WITH NEC ARTICLE 110.
2. WIREWAYS, SAFETY SWITCHES, AND RELATED EQUIPMENT SHALL BE INSTALLED SO THAT THE FACES OF EQUIPMENT NOT EXTEND MORE THAN 6” BEYOND THE FACE OF OTHER EQUIPMENT. PROVIDE SPACERS OR BLOCKS AS REQUIRED. COMPLY WITH NEC 110.26.
3. ALL SERVICE DISCONNECTING MEANS SHALL BE SERVICE ENTRANCE RATED.
4. COORDINATE WITH SERVING UTILITY TO DETERMINE REQUIREMENTS FOR SERVICE AND METERING. PROVIDE THE REQUIRED METER SOCKETS, CABINETS, RACEWAYS, FITTINGS, CONNECTORS, AND ASSOCIATED ELECTRICAL WORK TO COMPLY WITH UTILITY REQUIREMENTS FOR SERVICE CAPACITY AND CHARACTERISTICS UTILIZED.
5. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE. ALL GROUNDING AND BONDING CONDUCTORS SHALL BE COPPER.
6. PROVIDE LABEL ON MAIN SERVICE EQUIPMENT INDICATING AVAILABLE FAULT CURRENT IN ACCORDANCE WITH NEC 110.24. FAULT CURRENT SHALL BE CALCULATED USING DATA OBTAINED FROM SERVICE UTILITY AND SHALL INCLUDE DATE.
7. FOR VERTICAL RACEWAY RISERS, PROVIDE CONDUCTOR SUPPORTS IN ACCORDANCE WITH NEC 300.19. SUPPORTS SHALL BE WEDGE TYPE, OZ-GEDNEY OR EQUAL. PROVIDE INTERMEDIATE JUNCTION BOXES WITH SUPPORTS IN INTERVALS COMPLYING WITH NEC TABLE 300.19(A).
8. PROVIDE ENGRAVED NAMEPLATES FOR ALL SAFETY SWITCHES INDICATING LOAD SERVED.
9. PROVIDE FUSING IN SAFETY SWITCHES TO SUIT LOAD SERVED. DO NOT EXCEED MAXIMUM OVERCURRENT PROTECTION VALUES STATED ON EQUIPMENT NAMEPLATES/EQUIPMENT SHOP DRAWINGS.
10. FIRESTOP ALL RACEWAYS PASSING THROUGH FIRE-RATED WALLS, FLOORS, AND PARTITIONS. USE ONLY THROUGH-PENETRATION FIRESTOP SYSTEMS LISTED BY U.L. SUBMIT SHOP DRAWINGS FOR SYSTEM(S) PROPOSED. REFER TO ARCHITECTURAL DRAWINGS FOR FIREWALL LOCATIONS AND RATINGS.

NOTES TO STRUCTURED CABLING RACEWAY RISER DIAGRAM

1. STRUCTURED CABLING PLYWOODS SHALL BE 4' X 8' X 3/4" U.N.O. PAINT WITH TWO COATS OF UL-LISTED INTUMESCENT PAINT, LIGHT GRAY COLOR.
2. AVOID SHARP BENDS IN RACEWAY - USE ONLY LONG CONDUIT SWEEPS AND BENDS.
3. LEAVE PULL ROPES IN ALL CONDUITS, 200-POUND TEST NYLON.
4. STRAP ALL CONDUITS TO PLYWOOD.
5. FIRESTOP ALL CONDUITS THRU FLOORS AND FIREWALLS.
6. ALL UNDERGROUND STRUCTURED CABLING CONDUITS SHALL BE SCH. 40 PVC, MINIMUM 30"


STRUCTURED CABLING PLYWOOD "SCP-1"
2 - 4" E.C. WITH PULL ROPE TO COMMUNICATION SERVICE POINT AT PROPERTY LINE.
#6 GRD. - 3/4" C. TO GROUND BAR
1ST FLOOR

STRUCTURED CABLING RACEWAY RISER DIAGRAM
NO SCALE

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PROJECT RECORD SEAL

S. DICKSON O'BRIEN
No. 19845

08.07.2026

GWA, INC.
ELECTRICAL ENGINEERS
No. C00825

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE
1580 MIDDLETTON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

RISERS, AND DETAILS

ISSUE BLOCK

Mark	Date	Description

PROJECT NO: 2026107.00
DATE: 08.07.2026
SCALE: 1/8" = 1'-0"
DRAWN BY: ZA
PROJ MGR: BG

E401

8/7/2026 12:15:52 PM C:\Users\Dmoore\AppData\Local\Autodesk\Revit\Autodesk Revit 2026\CollaborationCache\W3422JDNJ4QTMP6Y\78a0e798-749d-4bb3-a731-4a4044ef96a5\b7649c1f-89ef-49ac-9f2f-ba981a7f6845.rvt

NEW PANEL - NEW WORK

Panel: LA
AMP 400 A
Mains Type: MLO
Voltage: 120/240 Three, 3PH, 4W
Type: NQOD
Mounting SURFACE
A.I.C. Rating: 22KAIC
Feed-Thru Lugs No
Total Spaces 42

CKT	Circuit Description	AMP	PH	Wire	COND	A	B	C	A	B	C	COND	Wire	PH	AMP	Circuit Description	CKT
1	RECEPTACLES	20 A	1	1-#12, 1-#12, 1-#12	1/2	1.1			4.2			1"C.	1-#6, 1-#6, 1-#10	2	50 A	WARM CABINET	2
3	RECEPTACLES	20 A	1	1-#12, 1-#12, 1-#12	1/2		0.9			4.2		--	--	--	--	--	4
5	RECEPTACLES	20 A	1	1-#12, 1-#12, 1-#12	1/2			1.0			0.0	1/2	1-#12, 1-#12, 1-#12	1	20 A	LIGHTING	6
7	RECEPTACLES	20 A	1	1-#12, 1-#12, 1-#12	1/2	0.7			0.0			1/2	1-#12, 1-#12, 1-#12	1	20 A	LIGHTING	8
9	RECEPTACLES	20 A	1	1-#12, 1-#12, 1-#12	1/2		1.1			3.0		1"C	3-#8, 1-#10	2	40 A	DWH-1	10
11	APPLIANCE	20 A	1	1-#12, 1-#12, 1-#12	1/2			1.2			3.0	--	--	--	--	--	12
13	APPLIANCE	20 A	1	1-#12, 1-#12, 1-#12	1/2	1.2			0.7			1/2	1-#12, 1-#12, 1-#12	1	20 A	RP-1	14
15	RECEPTACLES	20 A	1	3-#10, 1-#10, 1-#10	3/4		1.0			7.9		1...	3-#4, 1-#4, 1-#8	3	70 A	RTP-1	16
17	APPLIANCE	20 A	1	1-#12, 1-#12, 1-#12	1/2			1.2			7.9	--	--	--	--	--	18
19	APPLIANCE	20 A	1	1-#12, 1-#12, 1-#12	1/2	1.8			7.9			--	--	--	--	--	20
21	RECEPTACLES	20 A	1	1-#12, 1-#12, 1-#12	1/2		0.9			7.9		1...	3-#4, 1-#4, 1-#8	3	70 A	RTP-2	22
23	EWC	20 A	1	1-#12, 1-#12, 1-#12	1/2			0.4			7.9	--	--	--	--	--	24
25	LIGHTING	20 A	1	1-#10, 1-#10, 1-#10	3/4	1.4			7.9			--	--	--	--	--	26
27	LIGHTING	20 A	1	1-#10, 1-#10, 1-#10	3/4		1.5										28
29	EF -1& 2	20 A	1	1-#12, 1-#12, 1-#12	1/2			0.6									30
31	SCP-1	20 A	1	1-#10, 1-#10, 1-#10	3/4	1.2											32
33	ICE MAKER	20 A	1	1-#12, 1-#12, 1-#12	1/2		1.5										34
35	SPARE	20 A	1	--				0.0									36
37	SPARE	20 A	1	--		0.0			0.0				--	3	30 A	SPD	38
39	SPARE	20 A	1	--			0.0			0.0		--	--	--	--	--	40
41	SPARE	20 A	1	--				0.0			0.0	--	--	--	--	--	42

Total Load: 28.3 kVA 29.9 kVA 23.3 kVA
Tolal KVA: 81.4 kVA **Total Amperes:** 195.9 A

Notes:

EXISTING PANEL - DEMOLITION

Panel: 5
AMP 600 A
Mains Type: MLO
Voltage: 120/208 Wye, 3PH, 4W
Type:
Mounting SURFACE
A.I.C. Rating:
Feed-Thru Lugs No
Total Spaces 30

CKT	Circuit Description	AMP	PH	Wire	COND	A	B	C	A	B	C	COND	Wire	PH	AMP	Circuit Description	CKT
1	EXISTING LOAD	150 A	3	--		0.0			0.0				--	3	150 A	EXISTING LOAD	2
3	--	--	--	--	--		0.0			0.0		--	--	--	--	--	4
5	--	--	--	--	--			0.0			0.0	--	--	--	--	--	6
7	EXISTING LOAD	150 A	3	--		0.0			0.0				--	3	175 A	EXISTING LOAD	8
9	--	--	--	--	--		0.0			0.0		--	--	--	--	--	10
11	--	--	--	--	--			0.0			0.0	--	--	--	--	--	12
13	SPARE	30 A	2	--		0.0			0.0				--	2	50 A	EXISTING LOAD	14
15	--	--	--	--	--		0.0			0.0		--	--	--	--	--	16
17	EXISTING LOAD	20 A	1	--				0.0			0.0		--	1	20 A	EXISTING LOAD	18
19	EXISTING LOAD	20 A	1	--		0.0			0.0				--	1	20 A	EXISTING LOAD	20
21	EXISTING LOAD	20 A	1	--			0.0			0.0			--	1	20 A	EXISTING LOAD	22
23	EXISTING LOAD	20 A	1	--				0.0			0.0		--	1	20 A	EXISTING LOAD	24
25	EXISTING LOAD	20 A	1	--		0.0			0.0				--	1	20 A	EXISTING LOAD	26
27	EXISTING LOAD	20 A	1	--			0.0			0.0			--	1	20 A	EXISTING LOAD	28
29	EXISTING LOAD	20 A	1	--				0.0			0.0		--	1	20 A	EXISTING LOAD	30

Total Load: 0.0 kVA 0.0 kVA 0.0 kVA
Tolal KVA: 0.0 kVA **Total Amperes:** 0.0 A

Notes:
MAINTAIN EXISTING FEEDERS/BRANCH CIRCUITS FOR EXTENSION TO NEW MAIN DISTRIBUTION PANEL 'MDP'

EXISTING PANEL - DEMOLITION

Panel: #2
AMP 200 A
Mains Type: MCB
Voltage: 120/208 Wye, 3PH, 4W
Type:
Mounting SURFACE
A.I.C. Rating:
Feed-Thru Lugs
Total Spaces 40

CKT	Circuit Description	AMP	PH	Wire	COND	A	B	C	A	B	C	COND	Wire	PH	AMP	Circuit Description	CKT
1	EXISTING LOAD	20 A	1	--		0.0			0.0				--	1	20 A	EXISTING LOAD	2
3	EXISTING LOAD	30 A	2	--			0.0			0.0			--	2	30 A	EXISTING LOAD	4
5	--	--	--	--	--			0.0			0.0	--	--	--	--	--	6
7	EXISTING LOAD	70 A	2	--		0.0			0.0				--	1	20 A	EXISTING LOAD	8
9	--	--	--	--	--		0.0			0.0			--	1	20 A	EXISTING LOAD	10
11	EXISTING LOAD	20 A	1	--				0.0			0.0		--	1	20 A	EXISTING LOAD	12
13	EXISTING LOAD	60 A	2	--		0.0			0.0				--	1	20 A	EXISTING LOAD	14
15	--	--	--	--	--		0.0			0.0			--	1	20 A	EXISTING LOAD	16
17	EXISTING LOAD	20 A	2	--				0.0			0.0		--	1	20 A	EXISTING LOAD	18
19	--	--	--	--	--	0.0			0.0				--	2	20 A	EXISTING LOAD	20
21	EXISTING LOAD	20 A	1	--			0.0			0.0		--	--	--	--	--	22
23	SPACE ONLY	--	1	--				--			0.0		--	1	20 A	EXISTING LOAD	24
25	SPACE ONLY	--	1	--		--			--				--	1	--	SPACE ONLY	26
27	SPACE ONLY	--	1	--			--			--			--	1	--	SPACE ONLY	28
29	SPACE ONLY	--	1	--				--			--		--	1	--	SPACE ONLY	30
31	SPACE ONLY	--	1	--		--			--				--	1	--	SPACE ONLY	32
33	SPACE ONLY	--	1	--			--			--			--	1	--	SPACE ONLY	34
35	SPACE ONLY	--	1	--				--			--		--	1	--	SPACE ONLY	36
37	SPACE ONLY	--	1	--		--			--				--	1	--	SPACE ONLY	38
39	SPACE ONLY	--	1	--			--			--			--	1	--	SPACE ONLY	40

Total Load: 0.0 kVA 0.0 kVA 0.0 kVA
Tolal KVA: 0.0 kVA **Total Amperes:** 0.0 A

Notes:

NEW PANEL - NEW WORK

Panel: MDP
AMP 800 A
Mains Type: MLO
Voltage: 120/208 Wye, 3PH, 4W
Type: I-LINE
Mounting SURFACE
A.I.C. Rating: 42KAIC
Total Spaces AS SHOWN

CKT	Circuit Description	AMP	PH	Wire	COND	A	B	C	A	B	C	COND	Wire	PH	AMP	Circuit Description	CKT
1	EXISTING LOAD	20 A	3	--		0.0			0.0				--	3	150 A	EXISTING LOAD	2
3	--	--	--	--	--		0.0			0.0		--	--	--	--	--	4
5	--	--	--	--	--			0.0			0.0	--	--	--	--	--	6
7	EXISTING LOAD	150 A	3	--		0.0			0.0				--	3	175 A	EXISTING LOAD	8
9	--	--	--	--	--		0.0			0.0		--	--	--	--	--	10
11	--	--	--	--	--			0.0			0.0	--	--	--	--	--	12
13	SPARE	30 A	2	--		0.0			0.0				--	2	50 A	EXISTING LOAD	14
15	--	--	--	--	--		0.0			0.0		--	--	--	--	--	16
17	EXISTING LOAD	20 A	1	--				0.0			0.0		--	1	20 A	EXISTING LOAD	18
19	EXISTING LOAD	20 A	1	--		0.0			0.0				--	1	20 A	EXISTING LOAD	20
21	EXISTING LOAD	20 A	1	--			0.0			0.0			--	1	20 A	EXISTING LOAD	22
23	EXISTING LOAD	20 A	1	--				0.0			0.0		--	1	20 A	EXISTING LOAD	24
25	EXISTING LOAD	20 A	1	--		0.0			0.0				--	1	20 A	EXISTING LOAD	26
27	EXISTING LOAD	20 A	1	--			0.0			0.0			--	1	20 A	EXISTING LOAD	28
29	EXISTING LOAD	20 A	1	--				0.0			0.0		--	1	20 A	EXISTING LOAD	30
31	PANEL 'LA'	400 A	3	SEE RISER DIAGRAM		28.3			0.0				--	3	400 A	SPACE ONLY	32
33	--	--	--	--	--		29.9			0.0		--	--	--	--	--	34
35	--	--	--	--	--			23.3			0.0	--	--	--	--	--	36
37	SPACE ONLY	225 A	3	--		0.0			0.0				--	3	30 A	SPD	38
39	--	--	--	--	--		0.0			0.0		--	--	--	--	--	40
41	--	--	--	--	--			0.0			0.0	--	--	--	--	--	42

Total Load: 28.3 kVA 29.9 kVA 23 kVA
Tolal KVA: 81.4 kVA **Total Amperes:** 226 A

Notes:

EXISTING PANEL - NEW WORK

Panel: #2
AMP 200 A
Mains Type: MCB
Voltage: 120/208 Wye, 3PH, 4W
Type:
Mounting SURFACE
A.I.C. Rating:
Feed-Thru Lugs No
Total Spaces 40

CKT	Circuit Description	AMP	PH	Wire	COND	A	B	C	A	B	C	COND	Wire	PH	AMP	Circuit Description	CKT
1	EXISTING LOAD	20 A	1	--		0.0			0.0				--	1	20 A	EXISTING LOAD	2
3	EXISTING LOAD	30 A	2	--			0.0			0.0			--	2	30 A	EXISTING LOAD	4
5	--	--	--	--	--			0.0			0.0	--	--	--	--	--	6
7	EXISTING LOAD	70 A	2	--		0.0			0.0				--	1	20 A	EXISTING LOAD	8
9	--	--	--	--	--		0.0			0.0			--	1	20 A	EXISTING LOAD	10
11	EXISTING LOAD	20 A	1	--				0.0			0.0		--	1	20 A	EXISTING LOAD	12
13	EXISTING LOAD	20 A	2	--		0.0			0.0				--	1	20 A	EXISTING LOAD	14
15	--	--	--	--	--		0.0			0.0			--	1	20 A	EXISTING LOAD	16
17	EXISTING LOAD	60 A	2	--				0.0			0.0		--	1	20 A	EXISTING LOAD	18
19	--	--	--	--	--	0.0			0.0				--	2	20 A	EXISTING LOAD	20
21	EXISTING LOAD	20 A	1	--			0.0			0.0		--	--	--	--	--	22
23	EXISTING LOAD	20 A	1	--				0.0			0.0		--	1	20 A	EXISTING LOAD	24
25	REFRIGERATOR	20 A	1	1-#10, 1-#10, 1-#10	3/4	0.2			1.5			1/2	1-#12, 1-#12, 1-#12	1	20 A	APPLIANCE	26
27	ICE MAKER	20 A	1	1-#12, 1-#12, 1-#12	1/2		1.5			1.5		1/2	1-#12, 1-#12, 1-#12	1	20 A	APPLIANCE	28
29	WARMING CABINET	20 A	1	1-#12, 1-#12, 1-#12	1/2			1.5			1.5	1/2	1-#12, 1-#12, 1-#12	1	20 A	APPLIANCE	30
31	APPLIANCE	20 A	1	1-#12, 1-#12, 1-#12	1/2	1.5			0.7			1/2	1-#12, 1-#12, 1-#12	1	20 A	RECEPTACLES	32
33	FUME HOOD	20 A	1	1-#12, 1-#12, 1-#12	1/2		1.5										34
35	CONVECTION OVEN	20 A	1	1-#12, 1-#12, 1-#12	1/2			1.5			0.0		--	3	30 A	SPD	36
37	CONVECTION OVEN	20 A	1	1-#12, 1-#12, 1-#12	1/2	1.5			0.0			--	--	--	--	--	38
39	APPLIANCE	20 A	1	1-#12, 1-#12, 1-#12	1/2		1.5			0.0		--	--	--	--	--	40

Total Load: 5.4 kVA 6.0 kVA 4.5 kVA
Tolal KVA: 15.9 kVA **Total Amperes:** 44.1 A

Notes:

BECKER
MORGAN
GROUP

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ENGINEERING

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Maryland
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Delaware
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302.734.7950

The Tower at STAR Campus
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Newark, DE 19713
302.369.3700

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GWA, INC.

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CHAO & ASSOCIATES, INC.

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SURVEYORS

1728 MAIN STREET
COLUMBIA, SC 29201

ph 803.765.1766

PROJECT RECORD SEAL

S. DICKSON O'BRIEN
No. 19845

08.07.2026

GWA, INC.
ELECTRICAL
ENGINEERS
No. C00825

PROJECT TITLE

SAMARITAN HOUSE CAFETERIA & MULTIPURPOSE

1580 MIDDLETTON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

PANEL SCHEDULES

ISSUE BLOCK

Mark	Date	Description

GWA: 25210

GWA inc.
Electrical Engineers

168 Laurelhurst Avenue
Columbia, SC 29210
(803)252-6919
Fax (803)799-5494

gwa@gwainc.net
http://www.gwainc.net

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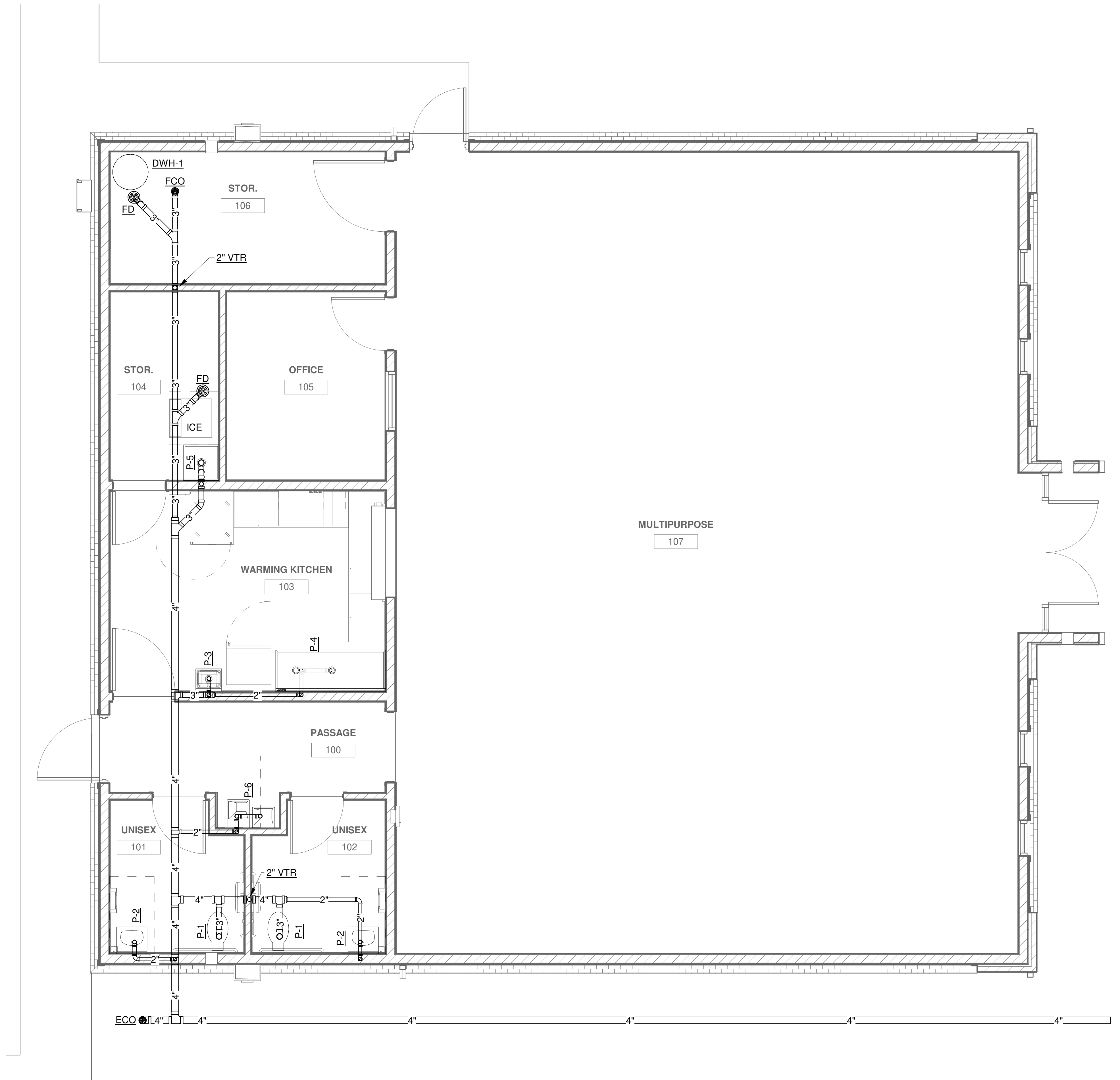
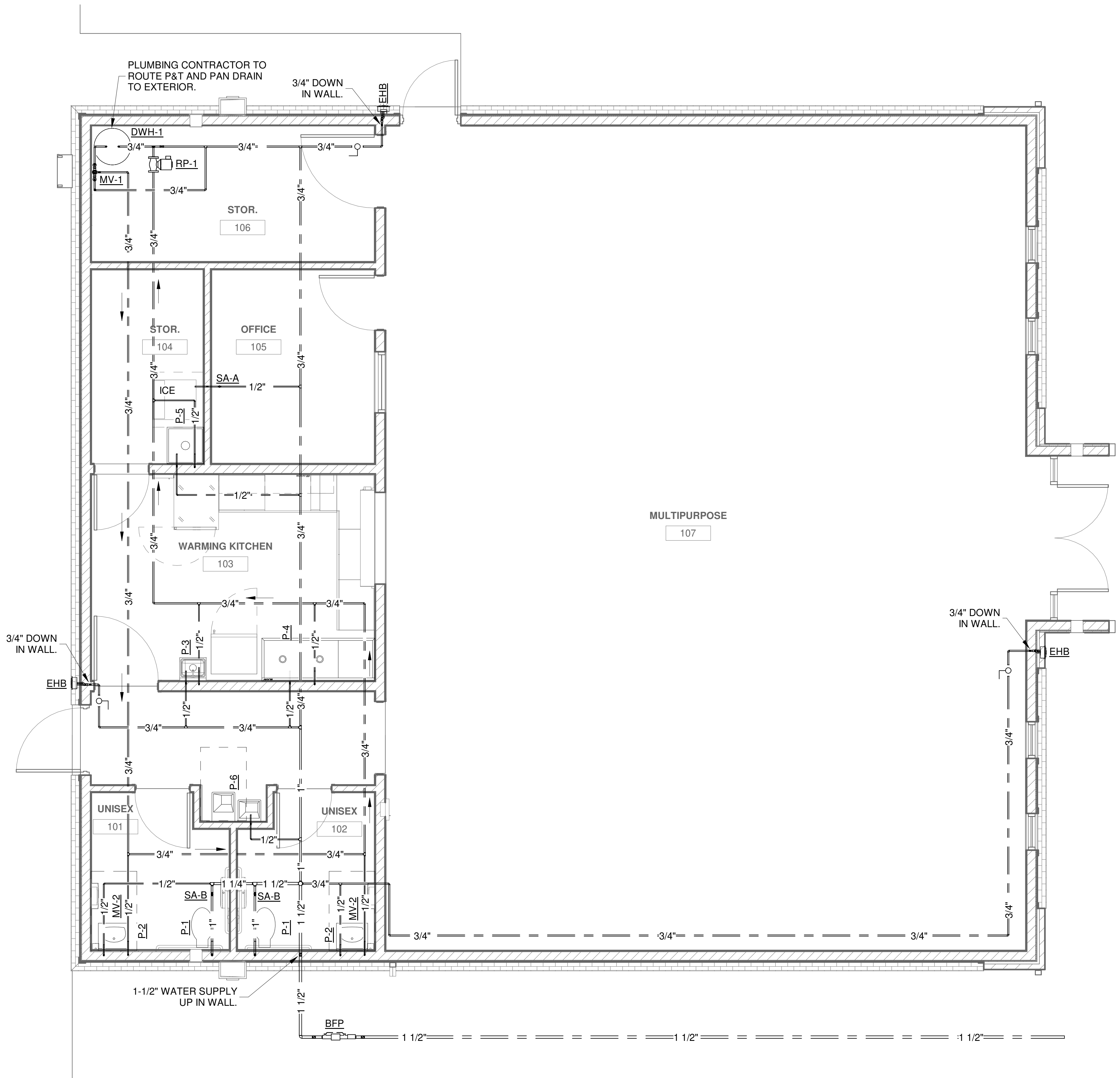
PROJECT NO: 2026107.00
DATE: 08.07.2026
SCALE:
DRAWN BY: ZA PROJ MGR: BG

E402



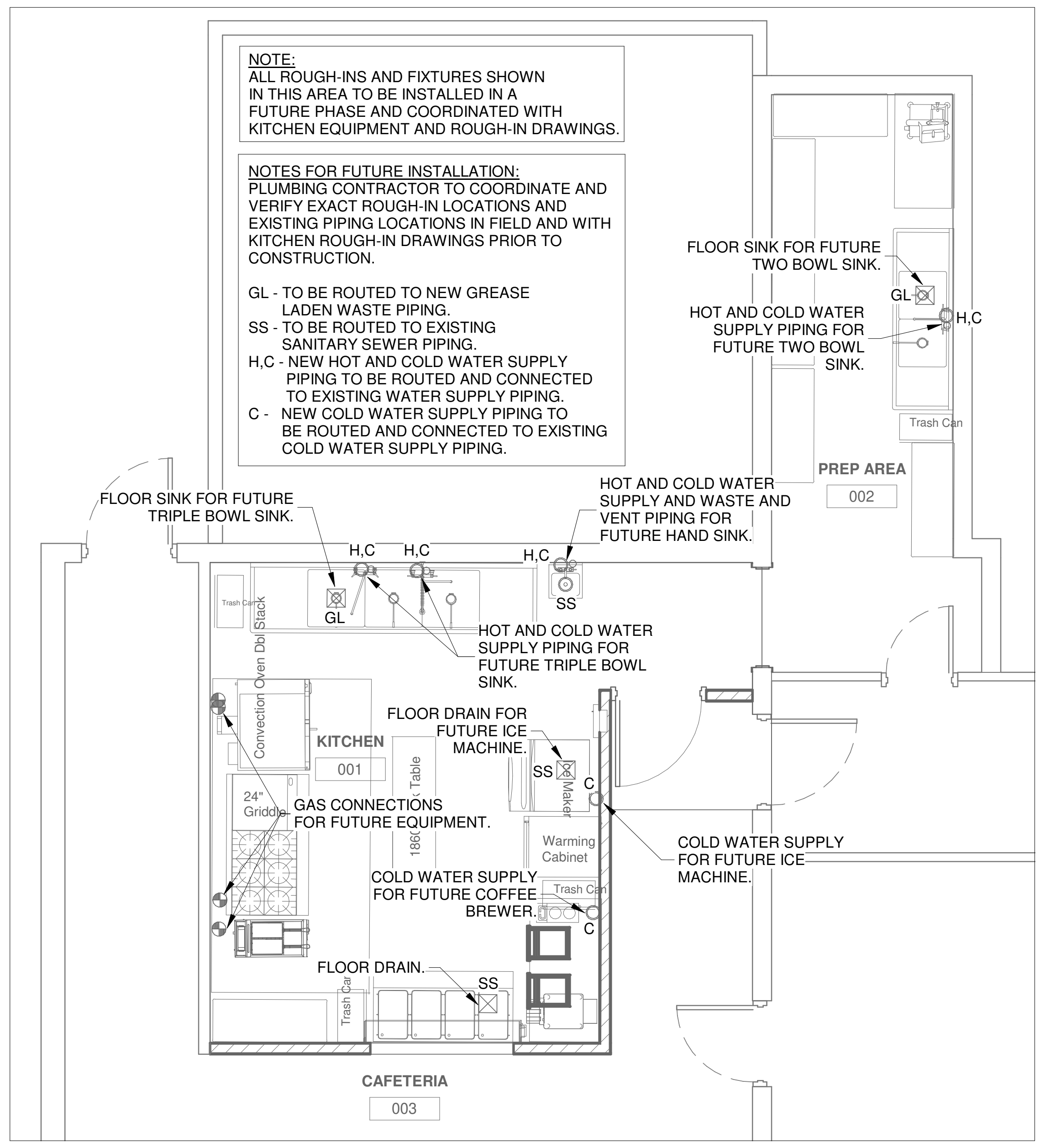
1 FIRST FLOOR PLUMBING PLAN - WASTE

1/4" = 1'-0"



2 FIRST FLOOR PLUMBING PLAN - WATER

1/4" = 1'-0"


FLOOR SINK FOR FUTURE TWO BOWL SINK.
GL
H,C
HOT AND COLD WATER SUPPLY PIPING FOR FUTURE TWO BOWL SINK.
Trash Can
PREP AREA
002
FLOOR SINK FOR FUTURE TRIPLE BOWL SINK.
HOT AND COLD WATER SUPPLY AND WASTE AND VENT PIPING FOR FUTURE HAND SINK.
H,C
H,C
H,C
SS
GL
Trash Can
Convection Oven Dbl Stack
HOT AND COLD WATER SUPPLY PIPING FOR FUTURE TRIPLE BOWL SINK.
FLOOR DRAIN FOR FUTURE ICE MACHINE.
KITCHEN
001
SS
C
Ice Maker
Table
24" Griddle
GAS CONNECTIONS FOR FUTURE EQUIPMENT.
Warming Cabinet
COLD WATER SUPPLY FOR FUTURE ICE MACHINE.
COLD WATER SUPPLY FOR FUTURE COFFEE BREWER.
Trash Can
C
FLOOR DRAIN.
SS
Trash Can
CAFETERIA
003

NOTE:
ALL ROUGH-INS AND FIXTURES SHOWN IN THIS AREA TO BE INSTALLED IN A FUTURE PHASE AND COORDINATED WITH KITCHEN EQUIPMENT AND ROUGH-IN DRAWINGS.

NOTES FOR FUTURE INSTALLATION:
PLUMBING CONTRACTOR TO COORDINATE AND VERIFY EXACT ROUGH-IN LOCATIONS AND EXISTING PIPING LOCATIONS IN FIELD AND WITH KITCHEN ROUGH-IN DRAWINGS PRIOR TO CONSTRUCTION.

GL - TO BE ROUTED TO NEW GREASE LADEN WASTE PIPING.
SS - TO BE ROUTED TO EXISTING SANITARY SEWER PIPING.
H,C - NEW HOT AND COLD WATER SUPPLY PIPING TO BE ROUTED AND CONNECTED TO EXISTING WATER SUPPLY PIPING.
C - NEW COLD WATER SUPPLY PIPING TO BE ROUTED AND CONNECTED TO EXISTING COLD WATER SUPPLY PIPING.

3 RENOVATED EXISTING KITCHEN AREA

1/4" = 1'-0"

PLUMBING LINETYPE LEGEND

NEW SANITARY SEWER PIPING
NEW VENT PIPING
NEW COLD WATER PIPING
NEW HOT WATER PIPING
GT GT NEW GREASE LADEN WASTE PIPING
G G NEW GAS PIPING

MECA
Mechanical Engineering
Consulting Associates, Inc.

2330 Main St.
Columbia, South Carolina 29201
Phone: (803) 765-9421
www.mecainc.com

Designed: WMB
Approved: PPC
Job No.: 25210
Plot Date: 08/04/2026

BECKER
MORGAN
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CHAO AND ASSOCIATES, INC.
CONSULTING ENGINEERS &
LAND SURVEYORS
7 CLUSTERS COURT
COLUMBIA, SC 29210
ph 803.772.8420

PROJECT RECORD SEAL

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
MECHANICAL ENGINEERING CONSULTING ASSOCIATES
NO. C00097

SOUTH CAROLINA PROFESSIONAL ENGINEER REGISTERED
No. 18709
PHILIP P. CLAYTOR
7/31/2026

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

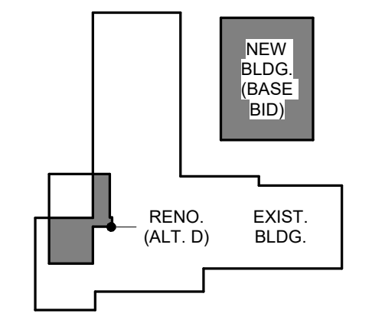
1580 MIDDLETON ST
ORANGEBURG, SC 29115

ISSUED
FOR CONSTRUCTION
ISSUED: 07.31.2026

SHEET TITLE

PLUMBING FLOOR
PLANS

KEY MAP



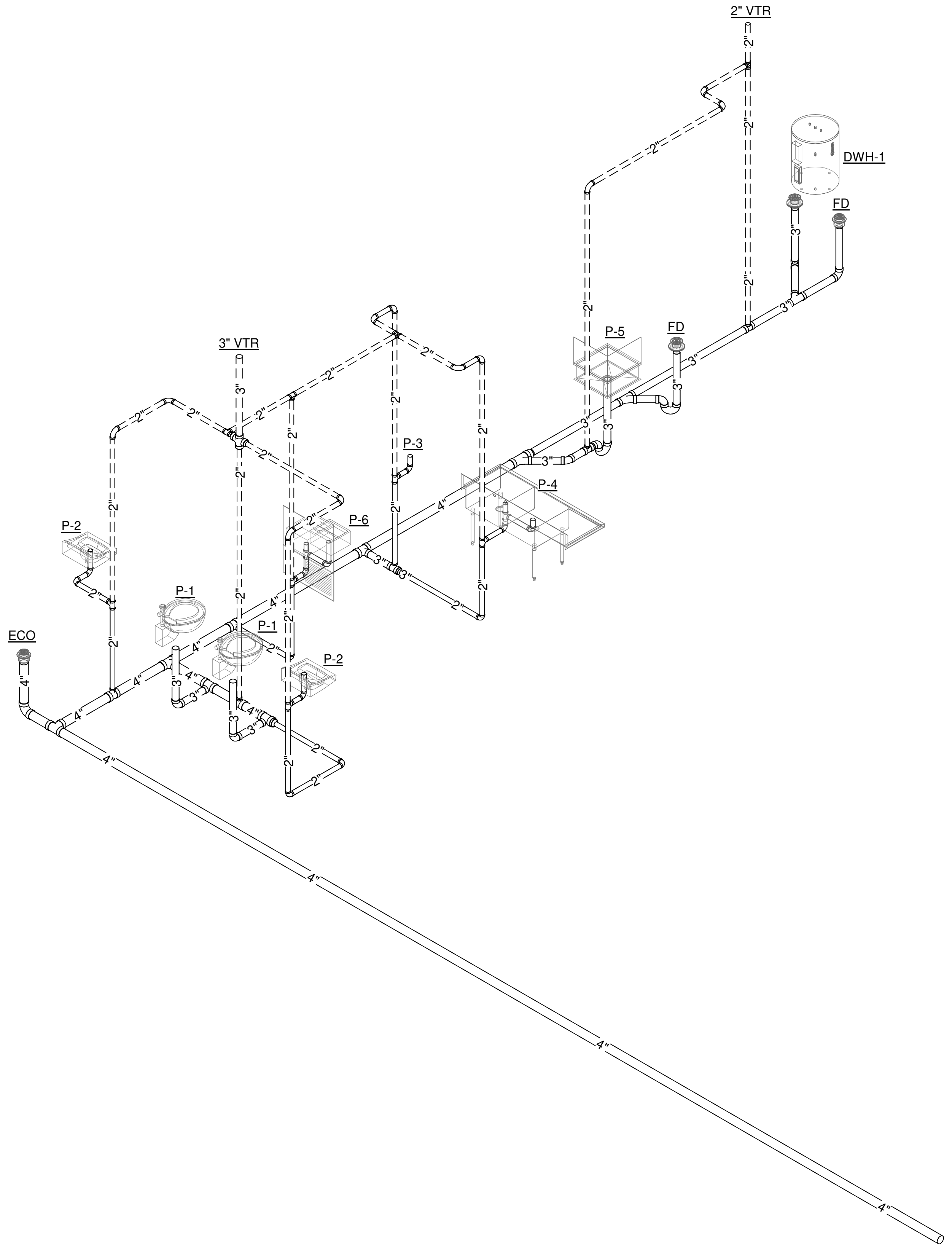
ISSUE BLOCK

Mark	Date	Description

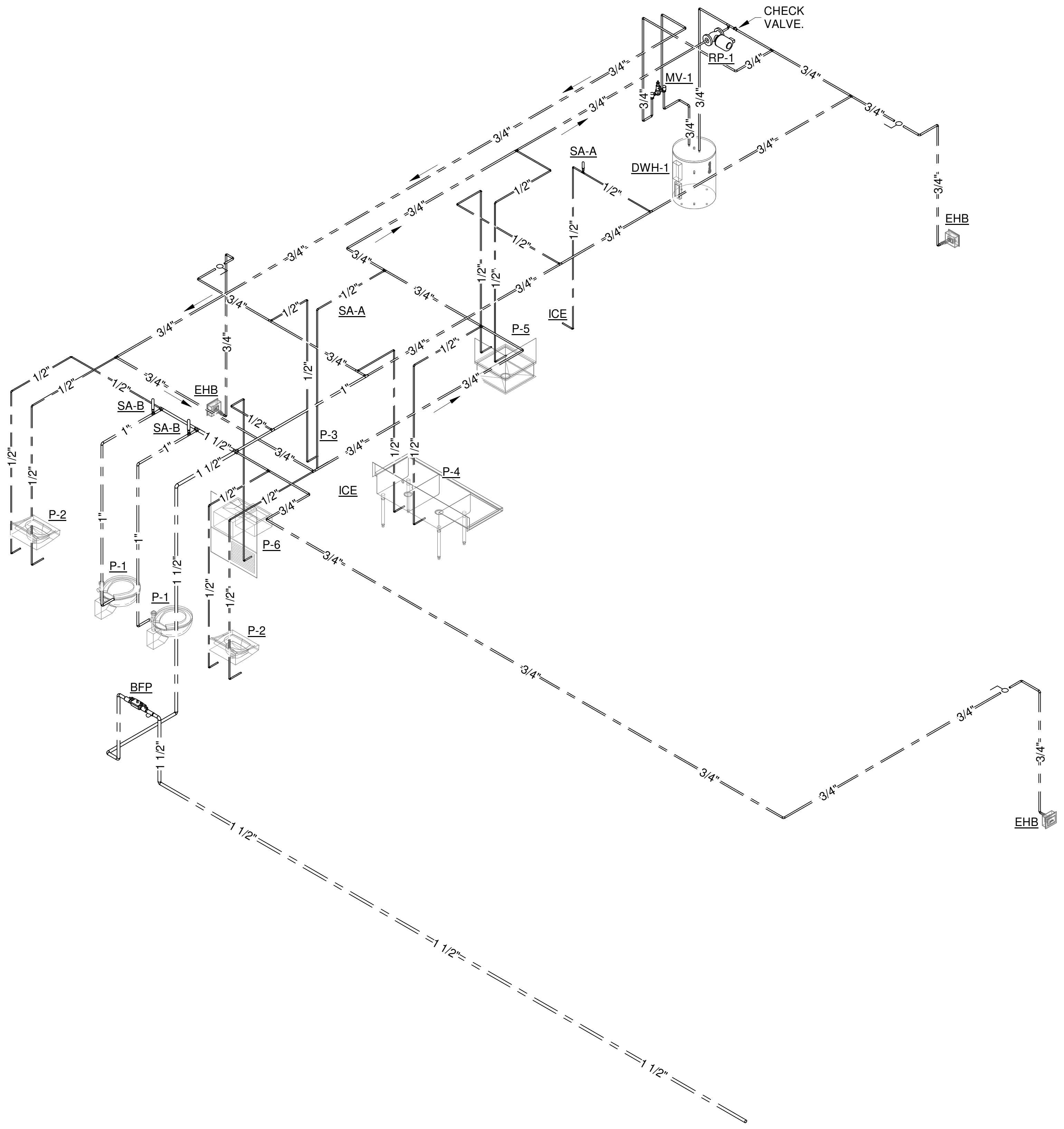
PROJECT NO: 2026107.00
DATE: 07.24.2026
SCALE: As indicated
DRAWN BY:WMB
PROJ MGR: PPC

P101

Autodesk Docs://Samaritan House – Cafeteria MP Room/25210-Samaritan House-MPFP-R26.rvt
8/4/2026 9:50:15 AM



① SANITARY SEWER RISER



② WATER SUPPLY RISER

MECA
Mechanical Engineering
Consulting Associates, Inc.

2330 Main St.
Columbia, South Carolina 29201
Phone: (803) 765-9421
www.mecainc.com

Designed:	WMB
Approved:	PPC
Job No.:	25210
Plot Date:	08/04/2026

PLUMBING LINETYPE LEGEND

NEW SANITARY SEWER PIPING
NEW VENT PIPING
NEW COLD WATER PIPING
NEW HOT WATER PIPING
GT GT NEW GREASE LADEN WASTE PIPING
G G NEW GAS PIPING

BECKER
MORGAN
GROUP

ARCHITECTURE
ENGINEERING

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CHAO AND ASSOCIATES, INC.

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LAND SURVEYORS
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COLUMBIA, SC 29210

ph 803.772.8420

PROJECT RECORD SEAL

SOUTH CAROLINA
MECHANICAL ENGINEERING CONSULTING ASSOCIATES
NO. C00097
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
No. 18709
PHILIP P. CLAYTOR

7/31/2026

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

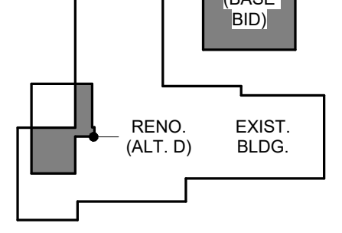
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

PLUMBING RISERS

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO:	2026107.00
DATE:	07.24.2026
SCALE:	1 : 1000
DRAWN BY Author	PROJ MG Checker

P201

PLUMBING FIXTURE SPECIFICATION

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
P-1	American Standard	3461.001	MADERA WATER CLOSET

Vitreous china, white, floor mounted, top spud, flush valve, 1.6 GPF water closet, with elongated bowl, 12" rough-in and bowl rim height 16-1/2". Provide with seat by Bemis 1955SSCT elongated, white, plastic, open front less cover with self-sustaining check hinge, and closet bolts and bolt caps. Provide with Sloan 111-1.6-DFB-YJ flush valve for 1-1/2" top spud with dual filtered bypass and split ring pipe support. Install water closet and all components in accordance with manufacturer's recommendations for ADA compliance.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
P-2	American Standard	0356.012	LUCERNE LAVATORY

Vitreous china, 20-3/4”x18-1/4”, white, wall hung lavatory. Provide with “Delta” 501LF-HDF single lever deck mounted ADA compliant faucet with 4” centers. Provide with McGuire 155A2 CP brass drain plug with strainer and 1-1/2" OD tail piece, H175 heavy supply stops, and 8912 1-1/2" x 1-1/2" CP cast brass "P" trap with cleanout. Also provide with Z1231 concealed arm carrier and with Truebro Lav-Guard2 insulation kit, Model No. 102 (white). Mount at ADA compliant height. Provide IPs corporation Lav-guard under sink enclosure model number 2018ASL1.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
P-3	Elkay	CHS1716LRSSACMC	HAND SINK

Elkay 18 gauge stainless steel, bowl dimensions 14”x10”x5”, wall hung hand sink with dual side splash guards. Provide with LKB722C faucet. Also provide with McGuire 155A2 CP brass drain plug with strainer and 1-1/2" OD tail piece, H175 heavy supply stops, and 8912 1-1/2" x 1-1/2" CP cast brass "P" trap with cleanout. Provide with Truebro Lav-Guard2 insulation kit, Model No. 102 (white). Mount at ADA compliant height.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
P-4	Elkay	DLR332210	KITCHEN SINK

Type 304, 18-8 stainless steel, double bowl sink. Bowl dimensions are 13-1/2” x 16” x 10" deep. Punch rear ledge to accommodate Chicago No. 786-GN2FCXKABCP dual lever faucet with XK ceramic cartridge, No. 317 4” wrist blade lever handles, gooseneck spout with E3 aerator. Provide with Model LK99 strainer, and 17 gauge commercial grade chrome plated "P" trap with integral cleanout and commercial grade CP supplies with stops.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
P-5	Stern-Williams	SS-2424	MOP Sink

Stainless steel floor mounted mop sink. Provide with Chicago No. 897-CRCF chrome plated service sink fitting with 3/4" hose thread on spout and No. 369 handles, wall brace, pail hook, and No. R 1/2" flanged female adjustable arms with integral stops and checks. Provide with hose and clamp, mop hanger with three clamps, and Stern-Williams 12” high wall panels for back and side of basin. Seal basin with silicone sealant. Verify right or left hand wall panels prior to ordering.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
P-6	Elkay	LZSTL8WSLK	BI-LEVEL WATER COOLER

Bi-level wall mounted hands free water cooler with bottle filler and apron for ADA compliance and stainless steel cabinet, mounted 37” AFF from floor to upper unit rim height. Provide with water filtration system. Also provide for one 115/1/60 @ 6.0 FLA rated 370 watts, three wire parallel blade grounding type male plug. Install with Zurn Z1225BL wall carrier and one CP trap with cleanout.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
EHB	Woodford	Model B67	EXTERIOR HOSE BIBB

Automatic draining, freezeless, wall hydrant with anti-siphon vacuum breaker in wall box. Chrome plated brass body with hardened steel operating stem and copper tubes casing. Hydrant to have 3/4" inlet, and 3/4" hose thread outlet. Provide fixture with loose tee key. Provide length in accordance with the wall construction and install per manufacturer's recommendations. Submit keys to the owner.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
DWH-1	A.O. Smith	DEN-52	WATER HEATER

Gold Series electric water heater with 52 gallon storage capacity. Heater shall be rated at 6.0 KW; 208-1-60 with two (2) 6,000 watt non-simultaneous elements, set to 110 degrees. Water heater shall be UL listed and shall have standby losses meeting the latest US Department of Energy and ASHRAE requirements. Provide with 3-year tank warranty. Contractor shall verify voltage prior to ordering. Also provide with Holdrite 40-S-30-U “Quick Stand” water heater stand QP-30 aluminum drain pan with PVC outlet. Also provide water heaters with thermometers in the hot water supply piping.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
MV-1	Symmons	7-200A	THERMOSTATIC MIXING VALVE

TempControl Lead Free thermostatic controller with check stop, removable cartridge with strainer, stainless steel piston and liquid fill thermal motor, isolation valve and thermometer. Provide in rough chrome finish and install where shown on drawings. Also provide with "W" wall mounting bracket, "V” vacuum breaker, and "RC" spare cartridge complete with thermal motor. Set mixed water temperature at 120°F.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
MV-2	Watts	LFUSG-CS	THERMOSTATIC MIXING VALVE

Point of use under sink Gurdian mixing valve with cross sense. Valve shall have a Lead Free* DZR Brass 4-port, “H” pattern body. And the Lead Free* valve shall comply with state codes and standards, where applicable, requiring reduced lead content. The valve shall be serviceable in-line. The valve shall include a replaceable cartridge containing integral dual check valves and integral strainers for better serviceability and sustainability. The strainers shall use 40 mesh stainless steel to filter debris. The valve shall have a method of detecting cross flow at the hot and cold inlets. The valve shall be provided with 3⁄8" (10 mm) compression fittings. Set mixed water temperature at 105°F.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
FD	Zurn	ZN-415-S	FLOOR DRAIN

With cast iron body and 6”x6” nickel bronze top. Provide floor drains with 1/2" trap primer connections when shown on drawings. Where no trap primer is shown provide floor drain with deep seal trap and ProSet Systems Trap Guard or approved equal trap seal.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
ECO	Zurn	ZB-1400-HD-BP-NL	EXTERIOR CLEANOUT

Heavy duty Neo-Loc cast iron body exterior cleanout with bronze plug, and heavy duty polished bronze top. Provide two-way cleanout fitting in pipe, or fabricate with back-to-back combination wye and eighth-bend fittings. Size per plumbing drawings and install in concrete encasement as detailed on drawings.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
FCO	Zurn	ZN-1400-T	FLOOR CLEANOUT

“Level-Trol” adjustable floor cleanout with cast iron body with tapered ABS plug, and square nickel bronze top. For interior carpet areas provide with –CM carpet marker. Size per plumbing drawings.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
BFP	Watts	LF2000B	BACK FLOW PREVENTER

1-1/2” Lead free bronze body double check backflow assembly with shut-off valves and consisting of in-line check valve, replicable check seats, and ball type test cocks. Service of all internal components shall be through a single access cover secured with stainless steel bolts. The assembly shall comply with state codes and standards, all requirements of the water utility, and meet the requirements of ASSE 1013.

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
SA	Sioux Chief	600 Series	SHOCK ABSORBERS

HydraRester P D I copper or stainless steel water hammer arresters sized as shown on plumbing drawing schedule.

RECIRCULATION PUMP SCHEDULE

SYMBOL		RP-1	
MANUFACTURER		BELL & GOSSETT	
MODEL NUMBER		PL-36	
FLOW (G.P.M.)		0.8	
TOTAL DYNAMIC HEAD (FT.)		26	
MOTOR	HORSEPOWER	1/6	
	R.P.M.	3300	
	VOLTAGE	115-1-60	
IMPELLOR DIAMETER (IN.)		N/A	
SUCTION SIZE (IN.)		3/4"	
DISCHARGE SIZE (IN.)		3/4"	

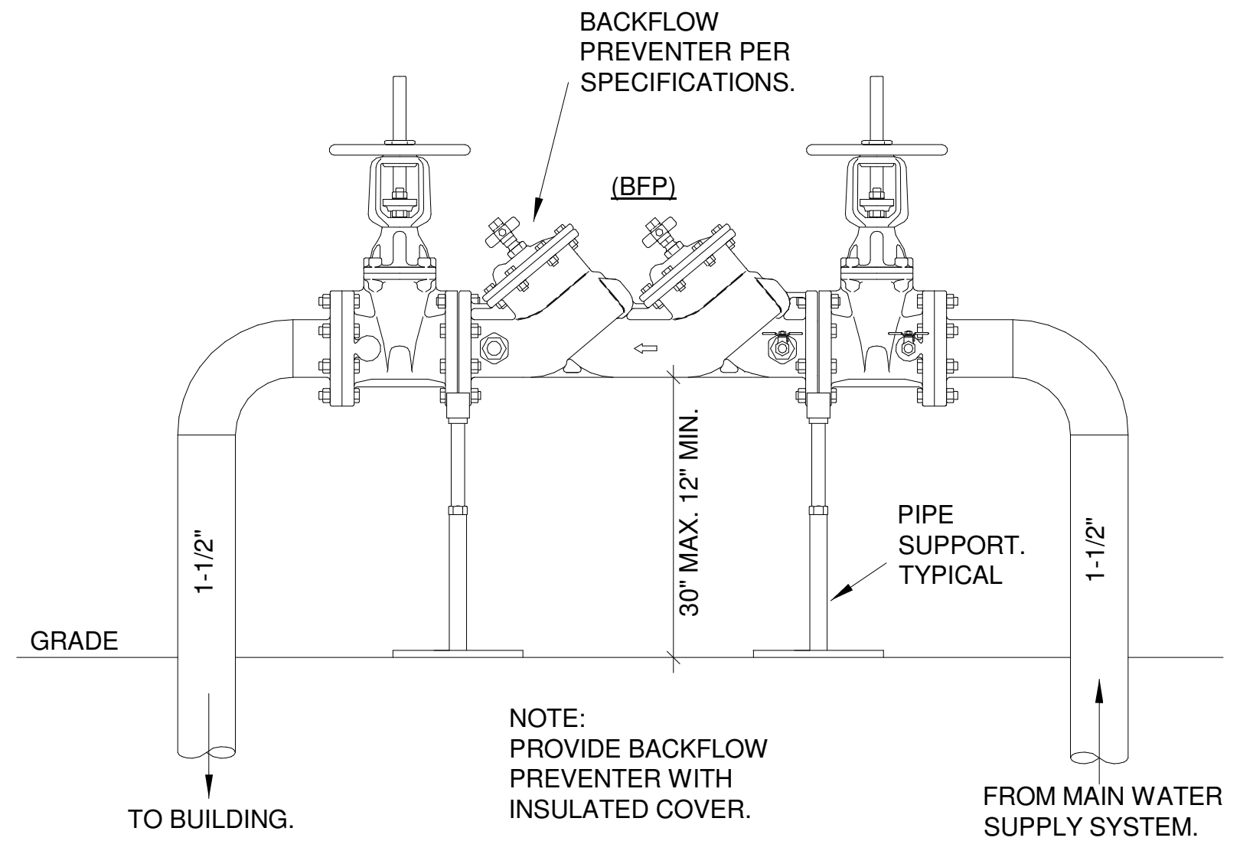
REMARKS:

PLUMBING CONTRACTOR TO VERIFY VOLTAGE
WITH THE ELECTRICAL CONTRACTOR PRIOR TO
RELEASING EQUIPMENT FROM THE MANUFACTURER.

EXPANSION TANK SCHEDULE

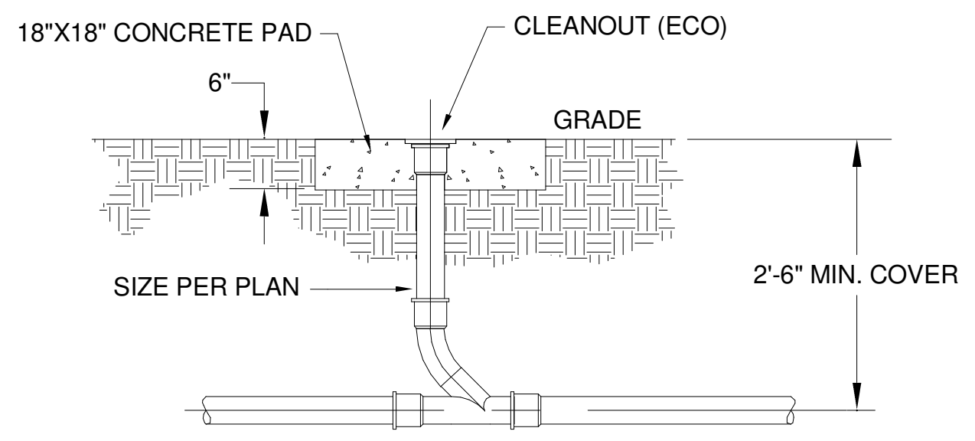
SYMBOL	ET-1	
MANUFACTURER	AMTROL (THERM-X-TROL)	
MODEL NUMBER	ST-5	
TANK VOLUME (GALLONS)	2.0	
ACCEPTANCE VOLUME (GAL)	0.9	
TANK DIAMETER (INCHES)	8	
TANK HEIGHT (INCHES)	13	
FILL PRESSURE (PSIG)	60	
OPERATING WEIGHT (LBS)	15	
SERVICE	DOM. HOT WATER	
MAXIMUM PRESSURE (PSIG)	150	

REMARKS:


BACKFLOW PREVENTER PER SPECIFICATIONS.
(BFP)
1-1/2"
30" MAX. 12" MIN.
PIPE SUPPORT. TYPICAL
1-1/2"
GRADE
NOTE: PROVIDE BACKFLOW PREVENTER WITH INSULATED COVER.
TO BUILDING.
FROM MAIN WATER SUPPLY SYSTEM.

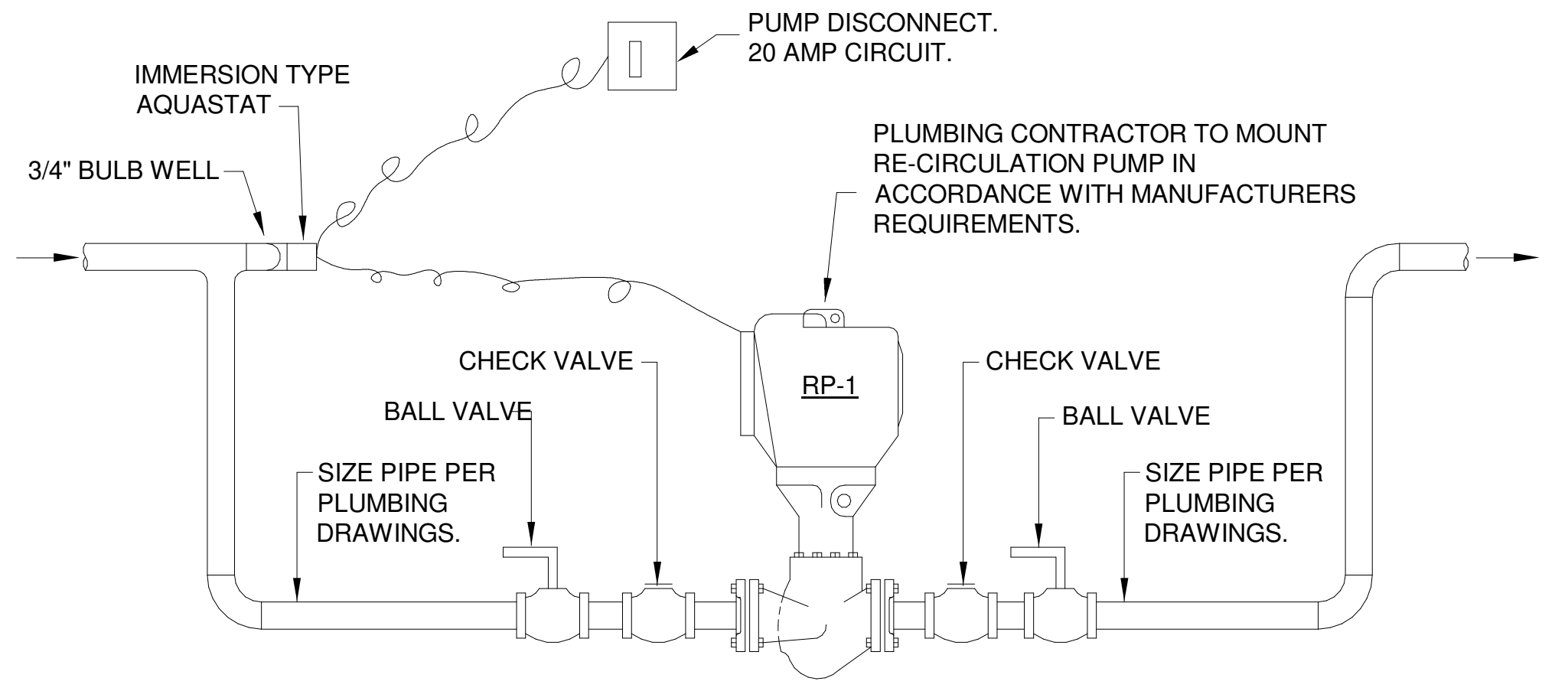
BACKFLOW PREVENTER DETAIL

NO SCALE



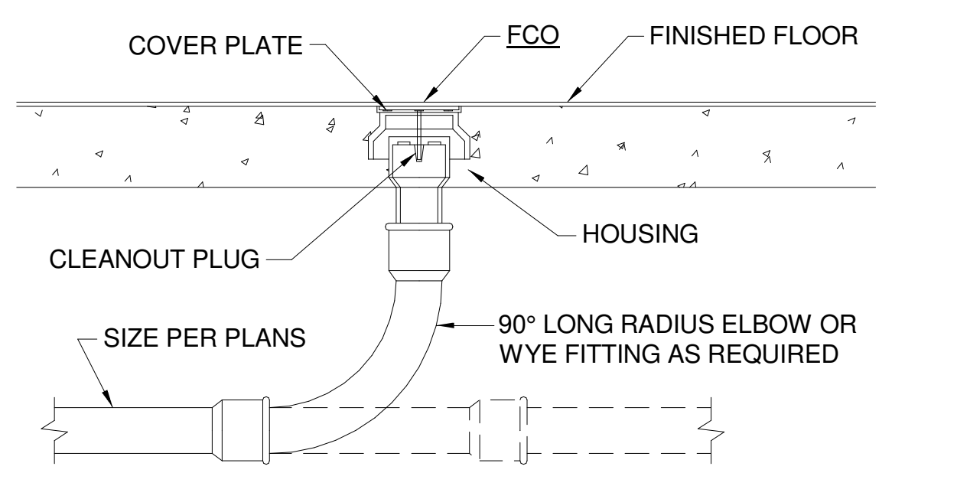
EXTERIOR CLEANOUT DETAIL

NO SCALE


PUMP DISCONNECT. 20 AMP CIRCUIT.
IMMERSION TYPE AQUASTAT
3/4" BULB WELL
PLUMBING CONTRACTOR TO MOUNT RE-CIRCULATION PUMP IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
CHECK VALVE
BALL VALVE
SIZE PIPE PER PLUMBING DRAWINGS.
RP-1
CHECK VALVE
BALL VALVE
SIZE PIPE PER PLUMBING DRAWINGS.

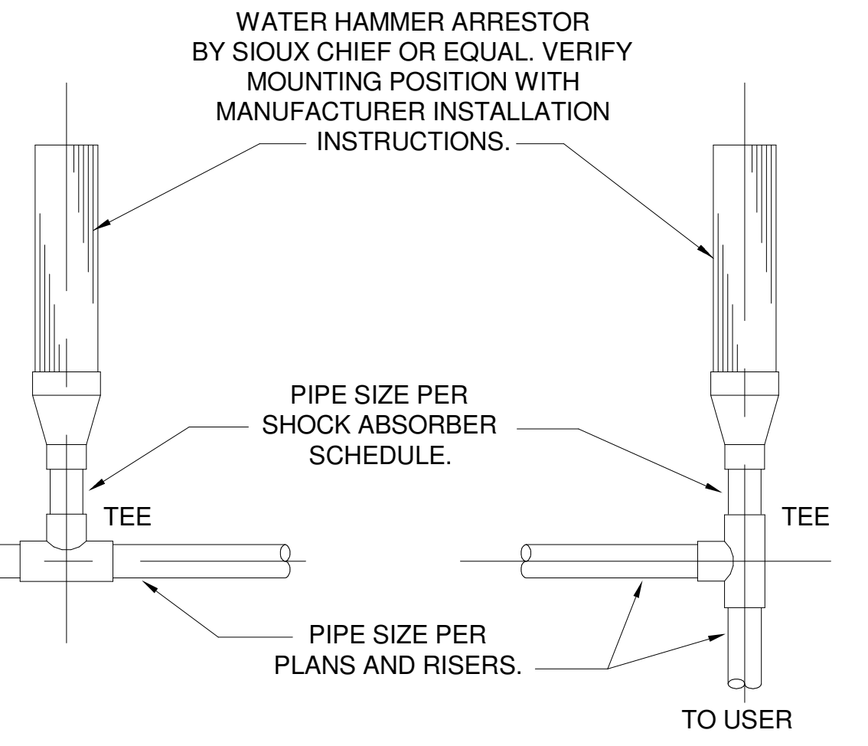
RECIRCULATION PUMP DETAIL

NO SCALE



FLOOR CLEANOUT DETAIL

NO SCALE


WATER HAMMER ARRESTOR BY SIOUX CHIEF OR EQUAL. VERIFY MOUNTING POSITION WITH MANUFACTURER INSTALLATION INSTRUCTIONS.
PIPE SIZE PER SHOCK ABSORBER SCHEDULE.
TEE
TEE
PIPE SIZE PER PLANS AND RISERS.
TO USER

SHOCK ABSORBER DETAIL

NO SCALE

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	CONNECTION			REMARKS
		CW	HW	WASTE	
P-1	WATER CLOSET - ADA	1"	—	3"	FLOOR MOUNTED FLUSH VALVE
P-2	LAVATORY - ADA	1/2"	1/2"	1-1/2"	RECT. WALL MOUNTED
P-3	HAND SINK - ADA	1/2"	1/2"	1-1/2"	RECT. WALL MOUNTED
P-4	KITCHEN SINK - ADA	1/2"	1/2"	1-1/2"	DOUBLE BOWL COUNTER MOUNTED
P-5	MOP BASIN	1/2"	1/2"	3"	FLOOR MOUNTED CORNER TYPE
P-6	WATER COOLER - ADA	1/2"	—	1-1/2"	WALL MOUTED BI-LEVEL
EHB	EXTERIOR HOSE BIBB	3/4"	—	—	
DWH-1	WATER HEATER	3/4"	3/4"	—	52 GALLON 6.0 KW 208-1-60 VOLT.
MV-1	TEMPERATURE MIXING VALVE	3/4"	3/4"	—	SET TO 120° F MAX.
MV-2	TEMPERATURE MIXING VALVE	1/2"	1/2"	—	SET TO 105° F MAX.
FD	FLOOR DRAIN	—	—	3"	
ECO	EXTERIOR CLEANOUT	—	—	4"	
FCO	FLOOR CLEANOUT	—	—	3"	
BFP	BACKFLOW PREVENTER	1-1/2"	—	—	
SA	SHOCK ABSORBER	REMARKS	—	—	SIZE PER PLANS AND SCHEDULE

GENERAL PLUMBING NOTES

DO NOT SCALE DRAWINGS. ROUGH FROM ARCHITECTURAL AND/OR EQUIPMENT MANUFACTURERS DRAWINGS AND ROUGH IN SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND PLACEMENT OF FIXTURES.
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

ALL HORIZONTAL SANITARY SEWER, WASTE AND DRAIN PIPING SHOWN ON DRAWINGS IS RUN BELOW FLOOR UNLESS OTHERWISE NOTED ON DRAWINGS.

ALL WATER, SERVICE AND ROOF DRAIN PIPING SHOWN ON DRAWINGS IS RUN ABOVE CEILING UNLESS OTHERWISE NOTED ON DRAWINGS.

HOSE BIBBS AND/OR WALL HYDRANTS SHALL BE LOCATED 18" ABOVE FINISHED FLOOR LEVEL OR GRADE.

ALL VALVES INSTALLED ABOVE CEILINGS SHALL BE EASILY ACCESSIBLE. WHERE VALVES ARE INSTALLED ABOVE GYPSUM BOARD CEILINGS, PLUMBING CONTRACTOR SHALL PROVIDE ACCESS DOOR(S); MINIMUM 16"x16", TO ALLOW EASY ACCESS.

PLUMBING CONTRACTOR SHALL VERIFY ELECTRICAL VOLTAGES WITH ELECTRICAL CONTRACTOR PRIOR TO SUBMITTING SHOP DRAWING AND ORDERING EQUIPMENT.

PLUMBING CONTRACTOR SHALL VERIFY ALL RATED WALL ASSEMBLIES, FLOORS AND ROOF ASSEMBLIES WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR AND SHALL PROVIDE APPROPRIATE PENETRATION ASSEMBLY FOR ALL PENETRATIONS OF WALLS, FLOORS AND ROOFS WHETHER IDENTIFIED ON DRAWINGS OR NOT.

ALL FLOOR PENETRATIONS ARE TO BE SEALED WATER TIGHT. WHERE PENETRATIONS OCCUR IN RATED FLOOR ASSEMBLIES, SEALING MUST CARRY A CLASS 1 "W" RATING.

PLUMBING CONTRACTOR SHALL VERIFY LOCATION, ELEVATIONS AND INVERTS OF ALL EXISTING SANITARY AND STORM SEWER SYSTEMS IDENTIFIED ON THESE DRAWINGS AND SHALL ADVISE ENGINEER OF ANY DISCREPANCIES WHICH EXISTS.

PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH OTHER DISCIPLINES TO ELIMINATE CONFLICTS. FAILURE TO DO SO WILL RESULT IN PLUMBING CONTRACTOR BEARING EXPENSE OF CHANGE ORDERS WHICH MAY RESULT.

PLUMBING CONTRACTOR SHALL REVIEW ALL PLUMBING AND ARCHITECTURAL DRAWINGS PRIOR TO BID DATE AND VERIFY NUMBER AND LOCATION OF ALL EQUIPMENT AND FIXTURES. ANY EQUIPMENT AND/OR FIXTURES INDICATED ON ARCHITECTURAL DRAWINGS AND NOT SHOWN ON PLUMBING DRAWINGS SHALL BE INCLUDED IN CONTRACTORS BID AND SCOPE OF WORK AND SHALL INCLUDE ALL MATERIALS, PIPING AND LABOR REQUIRED TO CONNECT EQUIPMENT AND/OR FIXTURES TO NEAREST SERVICE OF ADEQUATE SIZE. EQUIPMENT AND/OR FIXTURES SHALL BE AS SPECIFIED OR APPROVED EQUAL. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW BUILDING WITH STRUCTURAL DRAWINGS TO AVOID CONFLICTS.

ALL PIPING SHALL BE SUPPORTED FROM STRUCTURAL STEEL AND/OR CONCRETE BEAMS AND STRUCTURE. PIPING SUPPORTED FROM ROOF AND/OR FLOOR METAL DECKING WILL NOT BE ALLOWED.

ALL PLUMBING WORK IS TO BE INSTALLED IN ACCORDANCE WITH THE 2021 EDITION OF THE INTERNATIONAL PLUMBING CODE AND IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.

SLOPE ON ALL SEWER, WASTE AND DRAIN PIPING SHALL COMPLY WITH ALL STATE AND LOCAL CODES AND SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF THE 2021 INTERNATIONAL PLUMBING CODE.

GENERAL AND PLUMBING CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ENGINEER/ARCHITECT. PROVIDE GENERAL & PLUMBING "APPROVED" OR "APPROVED AS NOTED" STAMPS ON SUBMITTAL PRIOR TO SUBMITTING FOR ENGINEER'S/ARCHITECT'S REVIEW.

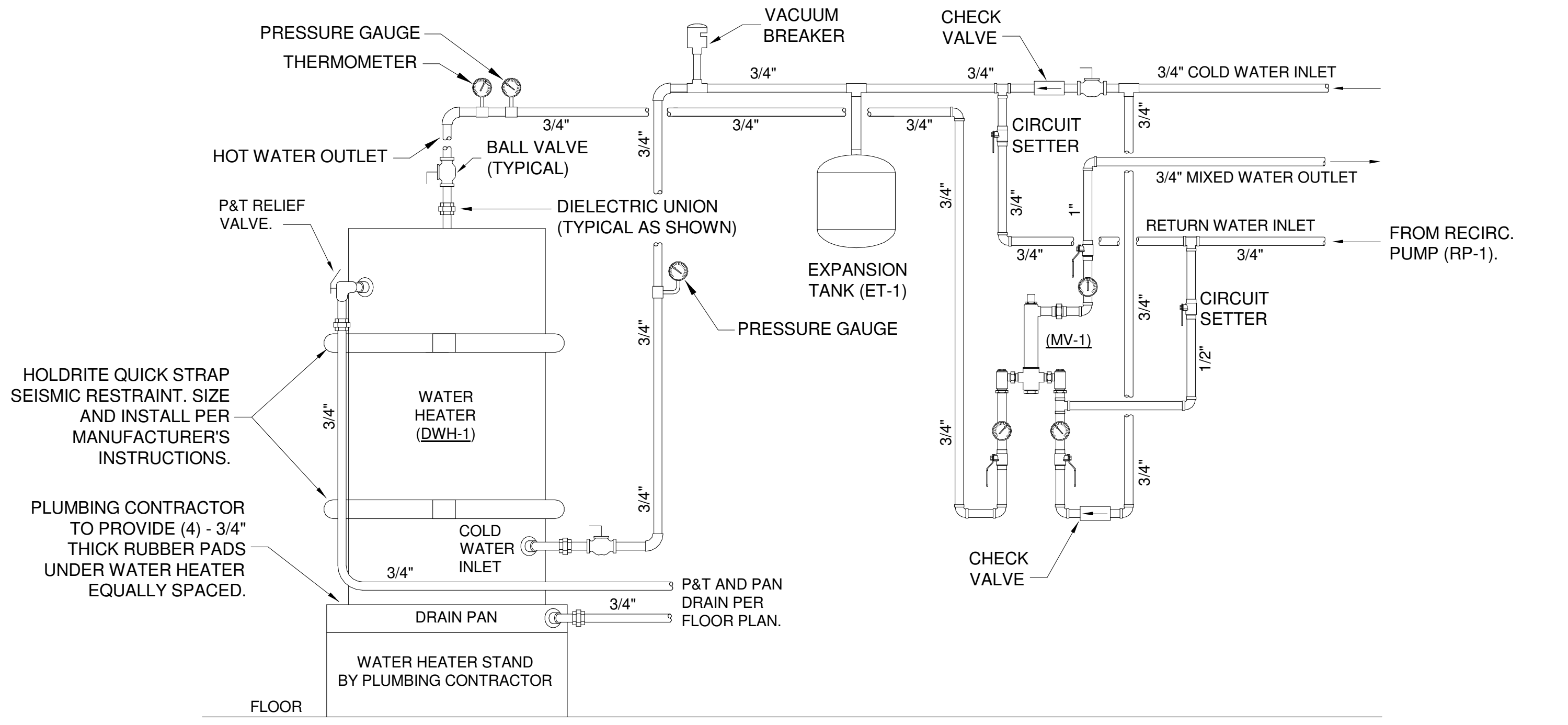
ALL WATER PIPING INSTALLED ABOVE GRADE OUTSIDE OF THE BUILDING HEATED ENVELOPE IS TO BE HEAT TRACED AND INSULATED. LOCATIONS INCLUDE BUT ARE NOT LIMITED TO BUILDING EXTERIOR, ATTICS, CRAWLSPACES, AND GARAGES. HEAT TRACE IS TO BE SELF REGULATING RAYCHEM XL TRACE; 5 WATTS/FT; OR EQUAL. INSULATION TO BE 1" FIBERGLASS. WHERE INSULATION IS EXPOSED TO PRECIPITATION, ALUMINUM JACKET IS TO BE PROVIDED.

INSULATE ALL WATER PIPE, HORIZONTAL ROOF DRAIN PIPING, AND SANITARY SEWER PIPING WHICH RECEIVES CONDENSATE FROM MECHANICAL UNITS AND OR DISCHARGE FROM ICE MACHINES/MAKERS, ABOVE GRADE WITH 1" THICK FIBERGLASS PIPE INSULATION, 3 LB. DENSITY, GASTON-BARON SNAP-ON, OWENS CORNING FIBERGLASS, OR KNAUF WITH STANDARD VAPOR BARRIER JACKET. SEAL ALL SEAMS AND JOINTS WITH WATERPROOF MASTIC. IN EXPOSED INTERIOR AREAS, SUCH AS MECHANICAL ROOMS, COVER INSULATION WITH 10 OZ. CANVAS JACKET SECURED AND TREATED WITH AEROSOL ADHESIVE AND INSTALL PVC JACKETS AT ALL ELBOWS, JOINTS ETC. COVER INSULATION IN EXTERIOR EXPOSED AREAS WITH .016" CORRUGATED ALUMINUM JACKET. SECURE JACKET WITH BANDS AND SEAL WATER TIGHT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

PLUMBING CONTRACTOR TO FLUSH, CLEAN, AND SCOPE ALL BELOW SLAB WASTE PIPING WITH CAMERA PRIOR TO SLAB BEING POURED. CAMERA SCOPE SHALL TAKE PLACE IMMEDIATELY AFTER WATER HAS BEEN DRAINED FROM THE PIPE AND AFTER BACKFILL AND COMPACTION. AT THE CONTRACTOR'S OPTION, AN ADDITIONAL SCOPE MAY BE PERFORMED PRIOR TO BACKFILL. PROVIDE TAPE TO ENGINEER FOR REVIEW. IF AREAS OF BELOW SLAB PIPING ARE DETERMINED TO BE UNSATISFACTORY, THE CONTRACTOR SHALL REMOVE AND REPAIR PIPING TO A SATISFACTORY CONDITION. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL CAMERA BELOW SLAB PIPE, AND PROVIDE A TAPE OF FINAL CONDITIONS WITH DESCRIPTION OF PIPE LOCATION TO THE OWNER.

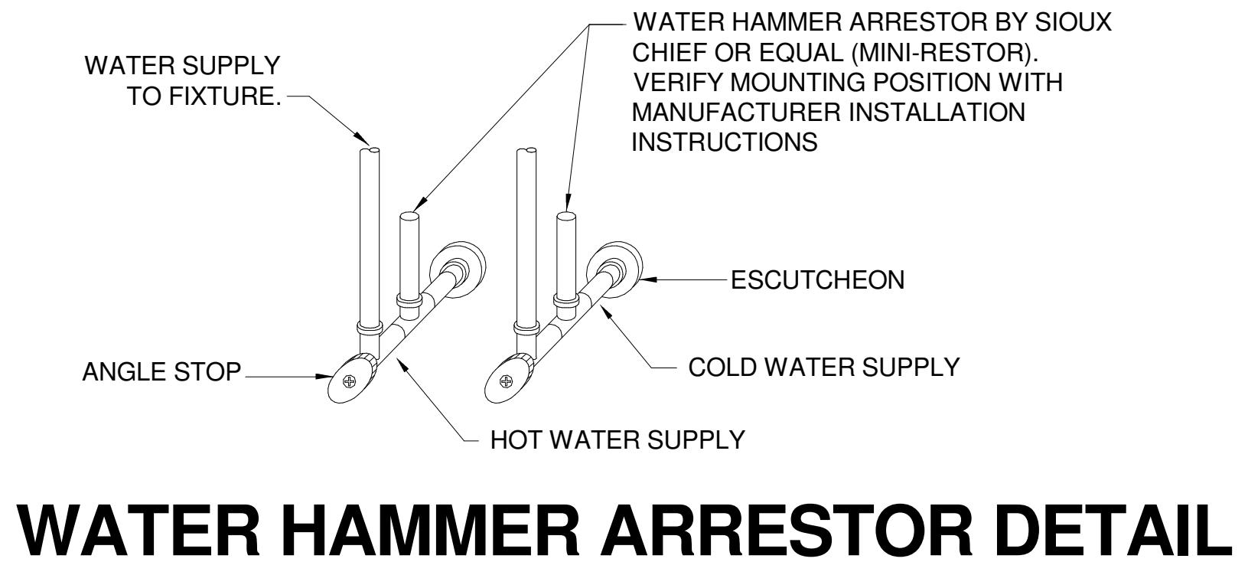
SHOCK ABSORBER SCHEDULE

SYMBOL	SA-AA	SA-A	SA-B	SA-C	SA-D
MANUFACTURER	SIOUX CHIEF				
MODEL NUMBER	660	652-A	653-B	654-C	655-D
F.U. RATING	1 - 4	1 - 11	12 - 32	33 - 60	61 - 113
CONNECTION SIZE	1/2"	1/2"	3/4"	1"	1"



WATER HEATER SCHEMATIC

NO SCALE


WATER SUPPLY TO FIXTURE.
WATER HAMMER ARRESTOR BY SIOUX CHIEF OR EQUAL (MINI-RESTOR). VERIFY MOUNTING POSITION WITH MANUFACTURER INSTALLATION INSTRUCTIONS
ESCUTCHEON
ANGLE STOP
COLD WATER SUPPLY
HOT WATER SUPPLY

WATER HAMMER ARRESTOR DETAIL

NO SCALE

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Designed:	WMB
Approved:	PPC
Job No.:	25210
Plot Date:	08/04/2026

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PROJECT RECORD SEAL

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
MECHANICAL ENGINEERING CONSULTING ASSOCIATES
NO. C00097

SOUTH CAROLINA PROFESSIONAL ENGINEER REGISTERED
No. 18709
PHILIP P. CLAYTOR

7/31/2026

PROJECT TITLE

SAMARITAN
HOUSE
CAFETERIA &
MULTIPURPOSE

1580 MIDDLETON ST
ORANGEBURG, SC 29115

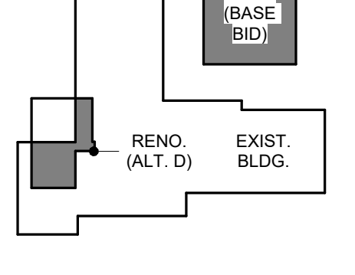
ISSUED
FOR CONSTRUCTION

ISSUED: 07.31.2026

SHEET TITLE

PLUMBING
SCHEDULES AND
DETAILS

KEY MAP



ISSUE BLOCK

Mark	Date	Description

PROJECT NO:	2026107.00
DATE:	07.24.2026
SCALE:	1 : 1000
DRAWN BY Author	PROJ MG Checker

P301

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