

CURRITUCK COMMUNITY PARK PHASE III

181 MAPLE PARKWAY
BARCO, CURRITUCK COUNTY, NORTH CAROLINA 27917

NOVEMBER 25, 2025 - BID SET

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ARCHITECT:

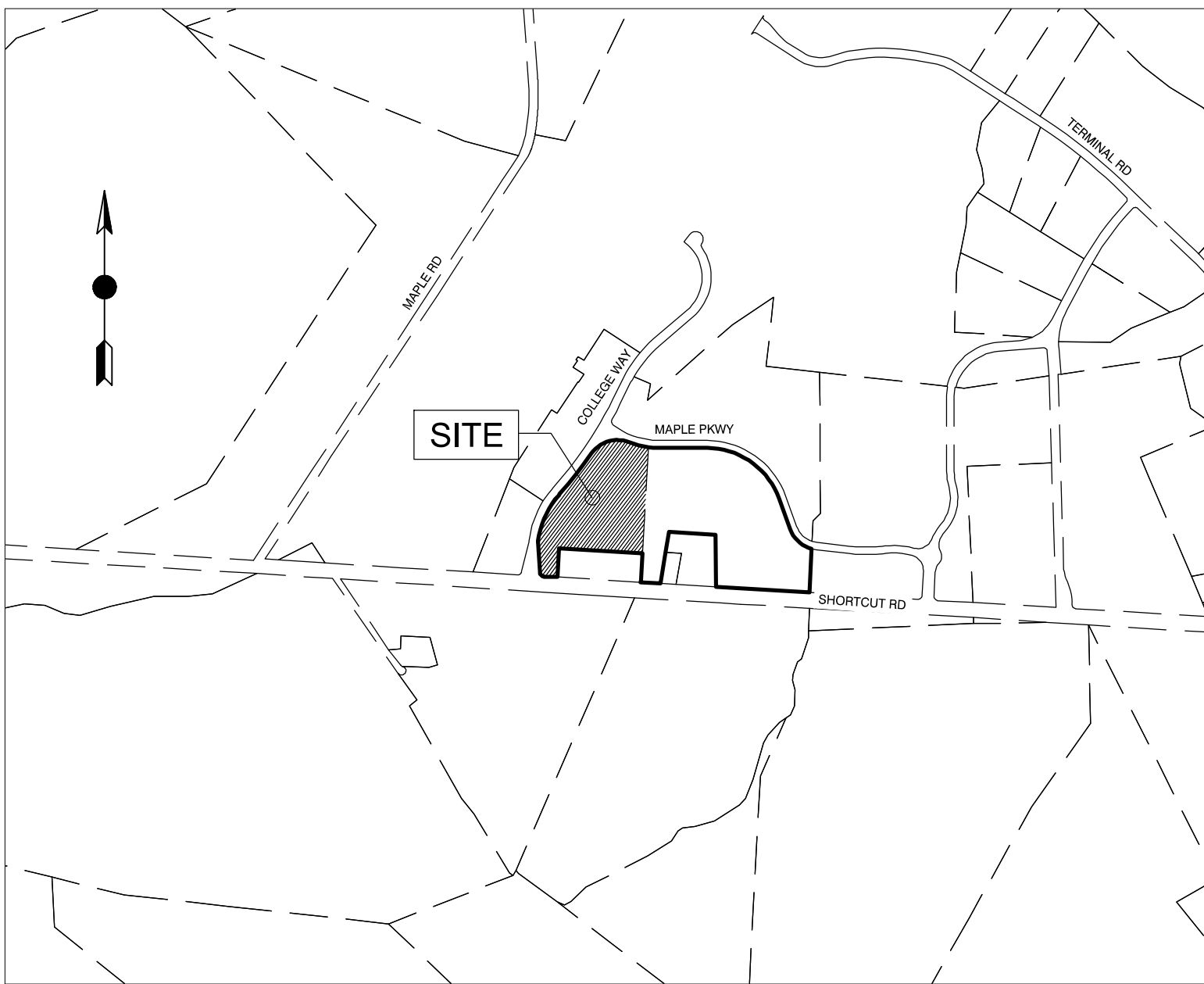
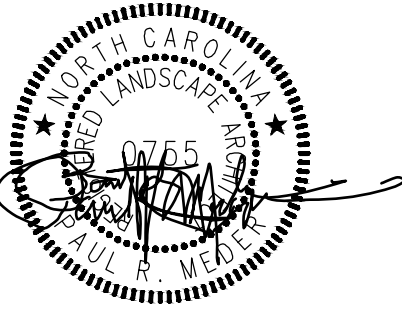
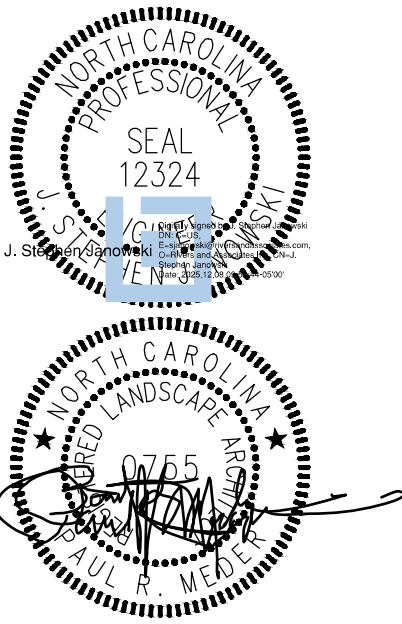
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VICINITY MAP

1" = 1000' - 0"

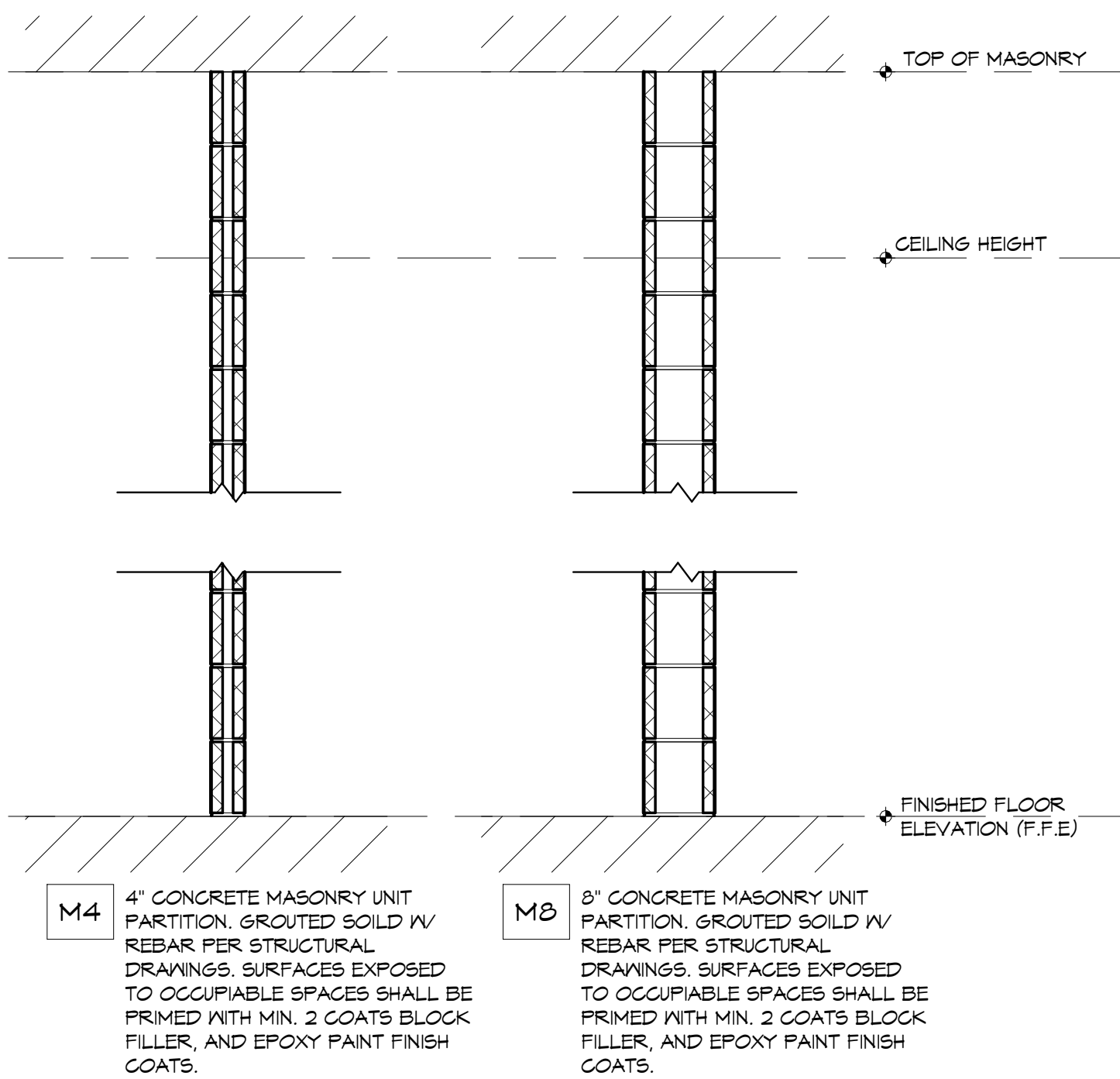
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1	FIELD LIGHTING DRAWINGS BY MUSCO (NIC)

CURRITUCK COMMUNITY PARK

CONCESSIONS / RESTROOMS BUILDING

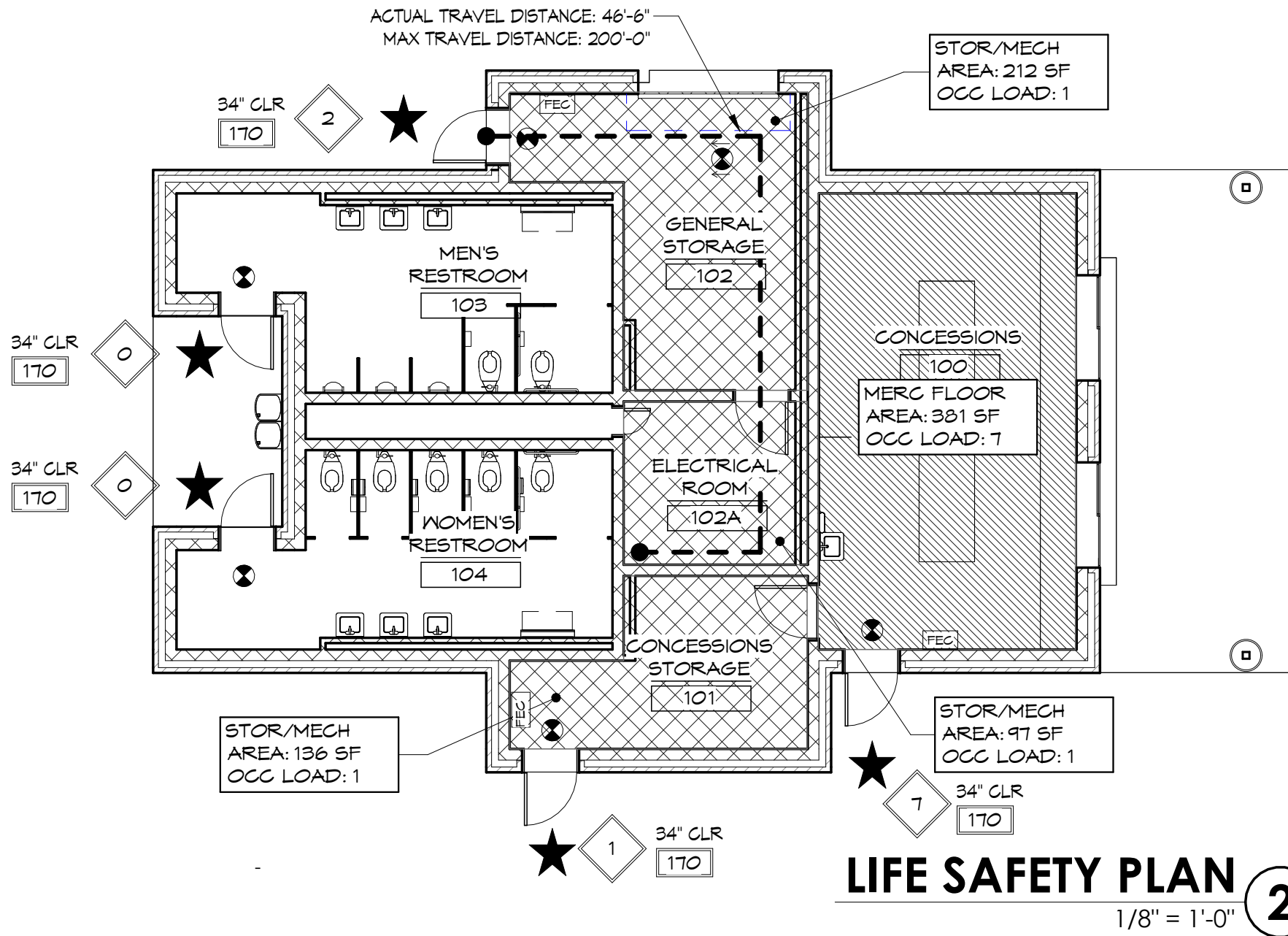
SHORTCUT ROAD
BARCO, CURRITUCK, NC 27971



INTERIOR PARTITION SCHEDULE

OCCUPANCY SUMMARY	
AREA PER OCCUPANT (TABLE 1004.1)	CALC OCCUPANT LOAD
ACCESSORY STORAGE/MECHANICAL (1/300)	3
MERCANTILE - FLOOR (1/60)	7
TOTAL OCCUPANCY	10

LIFE SAFETY PLAN SYMBOLS	
DIAGONAL DISTANCE BETWEEN EXITS = 28' - 4"	
MAXIMUM DIAGONAL DISTANCE = 28' - 4"	
TRAVEL DISTANCE = 99'-0"	
OCCUPANCY TYPE	BUSINESS
OCCUPANCY AREA	AREA: 150 SF
OCCUPANCY COUNT (BASED ON TABLE 1004.1.1)	OCC LOAD: 2
★ BUILDING EXIT	PH PANIC HARDWARE
MAXIMUM EGRESS CAPACITY	340 MAXIMUM EGRESS CAPACITY @ SUITE
ACTUAL EGRESS CAPACITY	ACTUAL EGRESS CAPACITY @ SUITE
EXIT SIGN	FEC FIRE EXTINGUISHER CABINET



LIFE SAFETY PLAN

GENERAL ABBREVIATIONS:

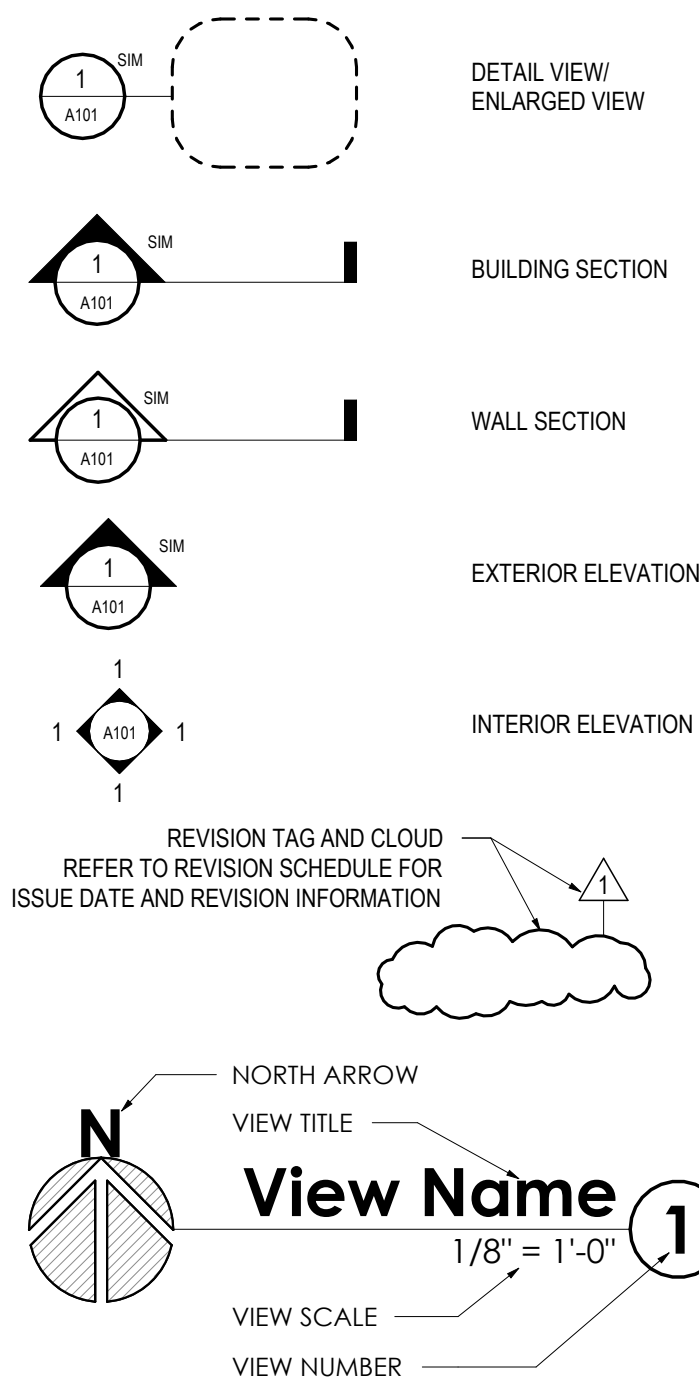
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT OF 1992
ADJ.	ADJACENT
AFF	ABOVE FLOOR FINISH
AFG	ABOVE FINISHED GRADE
ARA	AREA OF RESCUE ASSISTANCE
BD	BOARD
BAW	BETWEEN
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
CAN	CANOPY
CI	CAST IRON
CPT	CARPET
CLG. HT.	CEILING HEIGHT
CL	CENTER LINE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CRS	CHAIN ROLLER SHADE
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DO	DOOR OPENING
DS	DOWNSPOUT
DWG.	DRAWINGS
EA	EACH
EC	ELECTRICAL CONTRACTOR
EJ.	EXPANSION JOINT
ELEC.	ELECTRICAL
EQ	EQUAL
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
GYP	GYPSUM
GC	GENERAL CONTRACTOR
HB	HOSE BIB
HDW	HARDWARE
HLB	HORIZONTAL LOUVER BLIND
HM	HOLLOW METAL
HT	HEIGHT
HVAC	HEAT, VENTILATION & AIR CONDITIONS
HWC	HOLLOW CORE WOOD DOOR
INSUL	INSULATION
LVL	LAMINATED VENEER LUMBER
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MANUF	MANUFACTURER
MECH.	MECHANICAL
MIN.	MINIMUM
MO	MASONRY OPENING
MRS	MOTORIZED ROLLER SHADE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.P.C.I.	OWNER PROVIDED CONTRACTOR INSTALLED
OPP.	OPPOSITE
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PGB	PAINTED GYPSUM BOARD
PT	PAINT
RB	RUBBER BASE
RD	ROOF DRAIN
REINF	REINFORCED
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING
SAB	SOUND ABATING BATTING
SD	SMOKE DETECTOR
SF	SQUARE FEET
SIM	SIMILAR
SPECS	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL DRAWINGS
SWC	SOLID WOOD CORE DOOR
SY	SQUARE YARD
CT	CERAMIC TILE
TERM	TERMINATION/TERMINATE
THRESH	THRESHOLD
T&G	TONGUE AND GROOVE
TO	TOP OF
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOS	TOP OF PLATE
TOS	TOP OF STEEL
TOW	TOP OF WALL
TS	TRANSITION STRIP
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAR	VARIABLE
VCT	VINYL COMPOSITE TILE
WC	WATER CLOSET
WB	WOOD BASE
WD	WOOD
W/	WITH
W/O	WITHOUT

GENERAL ANNOTATION SYMBOLS:

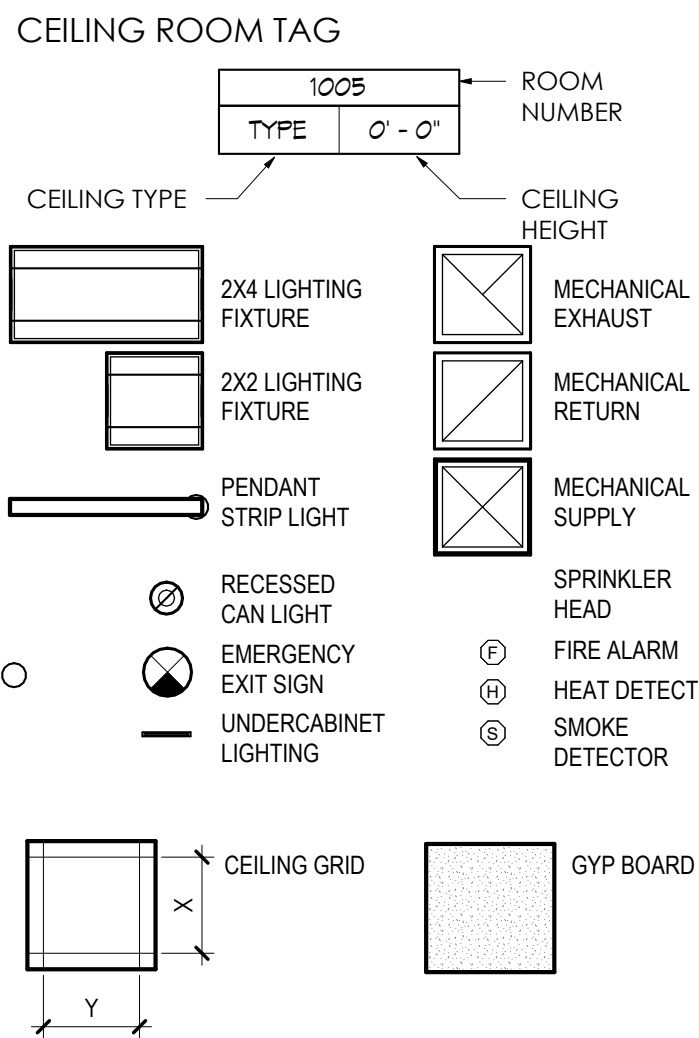
	WALL TYPE TAG
	DOOR TAG
	WALL TYPE TAG
ROOM TAG	
	Room name ROOM IDENTITY ROOM NUMBER ROOM AREA
BUILDING LEVEL	
	Room name ROOM IDENTITY ROOM NUMBER ROOM AREA
FIRE EXTINGUISHER CABINET	
	DESCRIPTION FOR TYPE PLAN ELEVATION
EMERGENCY WALL LIGHT	
	PLAN ELEVATION

GENERAL SYMBOLS:

VIEW TYPE SYMBOLS:



CEILING SYMBOLS:



FINISH SYMBOLS

ROOM FINISH TAG	
ROOM NAME ROOM #	
FLR BASE WALL	
	WALL FINISH BASE MATERIAL/ FINISH FLOOR MATERIAL/FINISH
FLOOR MATERIALS/FINISH LEGEND	
SC	EXPOSED CONCRETE, SEALED
EP	EPOXY FLOOR COATING
BASE MATERIALS/FINISH LEGEND	
RB	RUBBER BASE
WALL MATERIALS/FINISH LEGEND	
PT	PAINTED
PGB	PAINTED GYPSUM BOARD
CEILING MATERIALS/FINISH LEGEND	
ACT	ACOUSTICAL PANEL CEILING
PGB	PAINTED GYPSUM BOARD
EX	EXPOSED CONSTRUCTION, UNPAINTED
EP	EXPOSED CONSTRUCTION, PAINTED
VAR	VARIABLES, HEIGHT
*NOTE REGARDING ALL FINISH TAGS - IF DESIGNATION IS FOLLOWED BY NUMERAL, DENOTES SPECIFIC MATERIAL TYPE WITHIN CATEGORY (REFER TO FINISH SCHEDULE)	

GENERAL NOTES:

- CONTRACTOR REQUIRED TO MAKE A SITE VISIT PRIOR TO SUBMITTING BID. UPON SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THEIR FAMILIARITY WITH THE PROJECT SITE AND EXISTING CONDITIONS.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT FOR DIRECTION.
- ALL WORK TO COMPLY WITH CURRENT APPLICABLE LOCAL CODES INCLUDING, BUT NOT LIMITED TO, THE NORTH CAROLINA BUILDING CODE, THE NORTH CAROLINA EXISTING BUILDING CODE, AND ANSI A17.1, ETC. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION SHEETS FOR ADDITIONAL APPLICABLE CODES FOR THEIR RESPECTIVE SCOPES OF WORK.
- IF CONTRACTOR REQUESTS PRESENCE OF ARCHITECT ON SITE, CONTRACTOR TO GIVE ARCHITECT MINIMUM OF 48 HOURS NOTICE.
- INTERIOR PARTITIONS ARE DIMENSIONED FROM FACE OF STUD TO FACE OF STUD, UNLESS NOTED OTHERWISE. MAINTAIN DIMENSIONS MARKED "CLEAR". ALLOW FOR THICKNESS OF FINISHED WALL MATERIAL WHEN LAYING OUT WALLS NOTED TO BE "CLEAR". DOT AT DIMENSION TICK INDICATES MEASUREMENT TO FACE OF FINISHED SURFACE. PLAN NORTH/SOUTH DIMENSION STRINGS ARE ON THE PLAN NORTH FACE OF INTERIOR STUD. PLAN EAST/WEST DIMENSION STRINGS ARE PICKED FROM THE PLAN EAST FACE OF INTERIOR STUD. ALL INTERIOR DIMENSION STRINGS AT EXTERIOR WALLS PICK FROM INSIDE FACE OF STUD OR WALL U.N.O.
- CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES AND UNDERGROUND ITEMS AS REQUIRED FOR THIS SCOPE OF WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR EVALUATION PRIOR TO CONTINUING WORK.
- CONTRACTOR RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FROM THE DRAWINGS SHALL BE CONVEYED TO THE ARCHITECT FOR EVALUATION PRIOR TO CONTINUING WORK.
- CONTRACTOR RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AS WELL AS COORDINATING AND SCHEDULING ALL REQUIRED INSPECTIONS. ARCHITECT AND OWNER TO BE NOTIFIED OF SCHEDULED INSPECTION WITH 3 DAYS' NOTICE SO THEY CAN WITNESS THE INSPECTION IF DESIRED.
- CONTRACTOR RESPONSIBLE FOR COORDINATING ALL SCHEDULES WITH OWNER AND ARCHITECT PRIOR TO START OF CONSTRUCTION.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO FABRICATION AND INSTALLATION.
- CLEAN ALL SPACES WHERE DEMOLITION/CONSTRUCTION HAS OCCURRED AT THE CLOSE OF EACH DAY, MAINTAINING A CLEAN AND SAFE SITE IS THE RESPONSIBILITY OF THE GC.
- COORDINATE ALL PLUMBING, MECHANICAL, ELECTRICAL WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR EVALUATION PRIOR TO CONTINUING WORK.
- PROVIDE SOLID BLOCKING FOR ALL WOOD CASINGS, TRIM, CASEWORK, AND ANY OTHER WALL-MOUNTED ITEM OR ACCESSORY. ALL BLOCKING TO BE FIRE RETARDANT TREATED WOOD.
- DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER IMMEDIATELY. IF REQUIRED, THE CONTRACTOR SHALL PRICE/PROVIDE THE MORE EXPENSIVE OPTION.
- ACCESS PANELS SHALL BE LOCATED AS REQUIRED TO ACCESS ITEMS ABOVE CEILING OR WITHIN WALLS. A SHOP DRAWING SHALL BE SUBMITTED TO ARCHITECT AND OWNER FOR REVIEW AND APPROVAL SHOWING LOCATION OF ALL ACCESS PANELS.
- ALL MEASUREMENTS AND DIMENSIONS TO EXISTING LEVELS/SURFACES ARE +/- AND SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR TAKE NECESSARY MEASURES TO PROTECT EXISTING FINISHES TO REMAIN FROM DAMAGE. REPAIR/REFINISH/REPLACE ALL MATERIALS DAMAGED BY WORK.
- MATCH EXISTING IMPLIES MATERIAL, TYPE, QUALITY, COLOR, PATTERN, TEXTURE, ETC.
- UNTAGGED DOORS INDICATE NO WORK.
- THE FOLLOWING RESTROOM ACCESSORIES ARE OWNER-PROVIDED, CONTRACTOR INSTALLED: SOAP DISPENSERS, TOILET PAPER DISPENSERS, AND ROOM ODOR CONTROL. ROOM ODOR CONTROL TO BE INSTALLED IN LOCATION PER OWNER'S DIRECTION.

GENERAL FINISH NOTES:

- PROVIDE AND INSTALL TRANSITION STRIPS/THRESHOLDS AS SCHEDULED AT FLOORING FINISH CHANGES AS NOTES IN FINISH PLAN.
- PROVIDE AND INSTALL SEALANT MATCHING COLOR OF GRID AT JOINT BETWEEN ACT GRID AND WALL. FINAL WALL PAINT CUT IN AFTER SEALANT INSTALLATION IS REQUIRED.
- IF A PAINT PRE-INSTALL MEETING IS REQUESTED, ARCHITECT SHALL WALK WITH PAINTING CONTRACTOR AND GC TO REVIEW PAINT COLOR LOCATIONS PRIOR TO START OF PAINT.

GENERAL RCP NOTES:

- FOR AREAS OF THE PROJECT WHERE CEILING LOADS DO NOT EXCEED 5 POUNDS PER SQUARE FOOT AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING MAY BE UTILIZED: 1) ALLOW FOR LATERAL MOVEMENT OF THE SYSTEM. ATTACH MAIN RUNNERS AND CROSS RUNNERS AT TWO ADJACENT WALLS; MAINTAIN CLEARANCE BETWEEN THE WALL AND THE RUNNERS AT THE OTHER TWO WALLS. IF MANUFACTURER RECOMMENDATIONS CONFLICT, INFORM THE ARCHITECT IMMEDIATELY PRIOR TO CONTINUING WORK FOR FURTHER DIRECTION.
- PROVIDE VERTICAL SUPPORT AS REQUIRED IN BUILDING CODES. IN ADDITION, VERTICALLY SUPPORT ENDS OF RUNNERS WITHIN 8" OF DISCONTINUITIES SUCH AS MAY OCCUR WHERE THE CEILING IS INTERRUPTED BY A WALL, OR WHERE A FLOATING CEILING TERMINATES.
- SUPPORT LIGHT FIXTURES AND AIR DIFFUSERS/GRILLES DIRECTLY BY WIRES TO THE STRUCTURE ABOVE.
- LOCATE REGISTERS AND LIGHTING FIXTURES WITHIN GRID LINES. CENTER SPRINKLER HEADS, SPEAKERS, RECESSED FIXTURES, AND ALL OTHER CEILING ELEMENTS IN ACOUSTICAL TILES, UNLESS OTHERWISE NOTED.
- FINISH HVAC DIFFUSERS, DRAPERY/SHADE POCKETS, SPEAKER GRILLES AND OTHER ITEMS LOCATED IN CEILING TO MATCH ADJACENT FINISH, UNLESS OTHERWISE NOTED.

- LOCATION OF ELECTRICAL, MECHANICAL, AND PLUMBING FIXTURES INDICATED ON ARCHITECTURAL BACKGROUNDS ARE FOR LOCATIONS PURPOSES ONLY. REFER TO ENGINEERING DRAWINGS FOR FINAL TYPES AND QUANTITIES. IF A DISCREPANCY EXISTS, INFORM THE ARCHITECT FOR CLEAR DIRECTION.
- UNLESS NOTED OTHERWISE, ALL EXPOSED CONDUIT AND PIPING PERMITTED TO BE PAINTED PER THE NORTH CAROLINA STATE BUILDING CODE SHALL BE PAINTED. REFER TO FINISH SCHEDULE FOR PAINT SELECTIONS. CONFER WITH OWNER TO CONFIRM STANDARD PAINT COLORS AS WELL.
- UNLESS NOTED OTHERWISE, ALL ELECTRICAL LIGHTING TO BE CENTERED IN THE SPACE.

GENERAL FIRE PREVENTION NOTES:

- INTERIOR WALL AND CEILING FINISHES IN STAIRWAYS, EXIT PASSAGEWAYS, AND CORRIDORS ARE SPECIFIED TO BE CLASS A (FLAME SPREAD 0-25, SMOKE DEVELOPMENT 450 OR LESS) OR BETTER, UNLESS NOTED OTHERWISE.
- INTERIOR WALL AND CEILING FINISHES IN ROOMS AND OTHER ENCLOSED SPACES ARE SPECIFIED TO BE CLASS B (FLAME SPREAD INDEX 26-75, SMOKE-DEVELOPED INDEX LESS THAN 450) OR BETTER, UNLESS OTHERWISE NOTED.
- INTERIOR TRIM IS SPECIFIED TO BE CLASS 3 (FLAME SPREAD 76 TO 200, SMOKE DEVELOPMENT OF 450 OR LESS) OR BETTER.
- THIS PROJECT DOES NOT INCLUDE STORAGE, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS, OR HAZARDOUS SUBSTANCES.
- ALL WOOD BLOCKING, CLEATS, GROUNDS, SHEATHING AND OTHER MISC. CARPENTRY ITEMS SHALL BE FIRE RETARDANT TREATED.
- FLOOR COVERING FOR CORRIDORS, LOBBIES, STAIRS, OTHER EXIT PATHS OR EXIT AREAS ARE SPECIFIED TO BE CLASS B OR BETTER.

GENERAL POWER & TELECOM NOTES:

- REFERENCE ELECTRICAL SHEETS FOR ALL STANDARDS AND DESIGN INFORMATION.
- INDICATED DIMENSIONS ARE TO THE CENTER LINE OF OUTLETS OR SWITCHES, OR CLUSTERS OF OUTLETS OR SWITCHES, UNLESS NOTED OTHERWISE.
- PROVIDE MATCHING COVER PLATES AND DEVICES, UNLESS NOTED OTHERWISE.
- GC TO COORDINATE FINAL LAYOUT OF ELECTRICAL AND DATA OUTLETS WITH FINAL SELECTION OF FURNITURE AND CASEWORK PRIOR TO INSTALLATION OF FLOOR BOXES AND RECEPTACLES U.N.O.
- GC RESPONSIBLE FOR COORDINATING AND SCHEDULING INSPECTIONS BY THE STATE ELECTRICAL INSPECTOR PRIOR TO RE-ENERGIZING CIRCUITS AFTER ELECTRICAL ITEMS ARE COMPLETE.



INTREPID
ARCHITECTURE

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CURRITUCK COMMUNITY PARK - PHASE III

CONCESSIONS / RESTROOM BUILDING

SHORTCUT ROAD
BARCO, CURRITUCK COUNTY, NC 27971



THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY HAVE BEEN PREPARED FOR A SPECIFIC PROJECT AND SHALL NOT BE USED IN CONNECTION WITH ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.
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REVISIONS:		
#	DESC.	DATE

DRAWN BY: DJH
PROJECT #: 22008
ISSUE DATE: 07/23/2025
PHASE:
CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER

COVER SHEET, SYMBOLS,
ABBREVIATIONS, GENERAL
NOTES, LIFE SAFETY PLAN, &
INTERIOR PARTITION SCHEDULE

G0.00



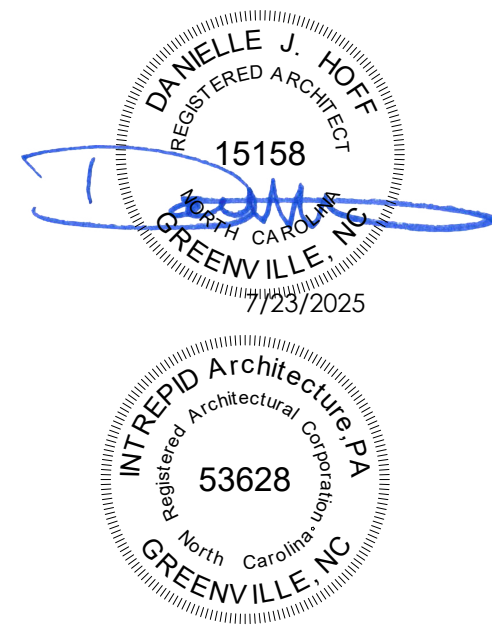
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CURRITUCK COMMUNITY PARK - PHASE III

CONCESSIONS / RESTROOM BUILDING

SHORTCUT ROAD
BARCO, CURRITUCK COUNTY, NC 27971



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REVISIONS:		
#	DESC:	DATE

DRAWN BY: DJH
PROJECT #: 22008
ISSUE DATE: 07/23/2025
PHASE:
CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
APPENDIX B

G1.01

2018 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2 - FAMILY DWELLINGS AND TOWNHOUSES)
(REPRODUCE THE FOLLOWING DATA ON THE BUILDING PLAN SHEET 1 OF 2)

NAME OF PROJECT: CURRITUCK COMMUNITY PARK - PHASE III
ADDRESS: SHORTCUT ROAD, BARCO, CURRITUCK COUNTY, NC ZIP CODE: 27971
PROPOSED USE: MERCANTILE
OWNER OR AUTHORIZED AGENT: CURRITUCK COUNTY, NC PHONE #: E-MAIL:
OWNED BY: CITY/COUNTY PRIVATE STATE
CODE ENFORCEMENT JURISDICTION: CITY: COUNTY: STATE:

LEAD DESIGN PROFESSIONAL
DESIGNER FIRM NAME LICENSE# TELEPHONE E-MAIL
ARCHITECTURAL: INTREPID ARCHITECTURE, PA. DANIELLE J. HOFF, AIA NC 15158 252-270-5330 DANHH@INTREPIDARCHITECTURE.COM
CIVIL: RIVERS & ASSOCIATES
ELECTRICAL: DIBBLE & PLEDGER, PA. RONALD E. PLEDGER, PE NC 11654 252-946-3320 RPLEDGER@DIBBLEANDPLEDGER.COM
FIRE ALARM: N/A
PLUMBING: DIBBLE & PLEDGER, PA. RONALD E. PLEDGER, PE NC 11654 252-946-3320 RPLEDGER@DIBBLEANDPLEDGER.COM
MECHANICAL: DIBBLE & PLEDGER, PA. RONALD E. PLEDGER, PE NC 11654 252-946-3320 RPLEDGER@DIBBLEANDPLEDGER.COM
SPRINKLER/STANDPIPE: N/A
STRUCTURAL: NRW ENGINEERING PEYTON D. MULE, PE NC C-1393 757-474-0612 PDM@NRWENGINEERING.COM
RETAINING WALLS >5' HIGH: N/A
OTHER: N/A
"OTHER" should include firms and individuals such as truss, precast, pre-engineering, interior designers, etc.)

2018 NC BUILDING CODE: NEW BUILDING ADDITION RENOVATION
1ST TIME INTERIOR COMPLETION SHELL/CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS
PHASED CONSTRUCTION - SHELL/CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS
2018 NC EXISTING BUILDING CODE: EXISTING: PRESCRIPTIVE REPAIR CHAPTER 14
LEVEL I LEVEL II LEVEL III
HISTORIC PROPERTY CHANGE OF USE
CONSTRUCTED (date) CURRENT OCCUPANCY(S) (Ch. 3)
RENOVATED (date) PROPOSED OCCUPANCY(S) (Ch. 3) MERCANTILE
RISK FACTOR (Table 1604.5): Current: I II III IV
Proposed: I II III IV

BASIC BUILDING DATA:
CONSTRUCTION TYPE: I-A I-B I-A I-B II-A II-B IV V-A V-B
SPRINKLERS: NO PARTIAL YES NFPA 13 NFPA 13R NFPA 13D
STANDPIPES: NO YES CLASS: I II III WET DRY MANUAL
FIRE DISTRICT: NO YES FLOOD HAZARD AREA: NO YES
SPECIAL INSPECTIONS REQ'D: NO YES CONTACT THE LOCAL INSPECTION JURISDICTION FOR ADDITIONAL PROCEDURES AND REQUIREMENTS

GROSS BUILDING AREA TABLE:
FLOOR EXISTING (SQ. FT.) NEW AREA (SQ. FT.) SUB TOTAL
1ST FLOOR: 0 1683 1683
TOTAL: 1683

ALLOWABLE AREA
PRIMARY OCCUPANCY: (SELECT ONE)
ASSEMBLY A-1 A-2 A-3 A-4 A-5
BUSINESS
EDUCATIONAL
FACTORY F-1 Moderate F-2 Low
HAZARDOUS H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
INSTITUTIONAL I-1 CONDITION I-2 I-3 CONDITION I-4
MERCANTILE
RESIDENTIAL R-1 R-2 R-3 R-4
STORAGE S-1 Moderate S-2 Low High-piled
Parking Garage Open Enclosed Repair Garage
UTILITY & MISC.
ACCESSORY OCCUPANCY CLASSIFICATION(S): NONE
INCIDENTAL USES (Table 509): NONE
SPECIAL USES (Chapter 4 - Use Code Sections): NONE
SPECIAL PROVISIONS: (Chapter 5 - Use Code Sections): NONE
MIXED OCCUPANCY: YES NO SEPARATION: HR. EXCEPTION:
NON-SEPARATED USE (508.3) - THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING, THE MOST RESTRICTIVE TYPE OF CONSTRUCTION SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING.
SEPARATED USE (508.4) - SEE BELOW FOR AREA CALCULATIONS FOR EACH STORY. THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.
ACTUAL AREA OF OCCUPANCY A
ALLOWABLE AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B
ALLOWABLE AREA OF OCCUPANCY B = < 1.00 = < 1.00
+ + = < 1.00
STORY NUMBER DESCRIPTION AND USE (A) BUILDING AREA PER STORY (ACTUAL) (B) TABLE 504.2 AREA (C) AREA FOR FRONTAGE INCREASE (D) ALLOWABLE AREA PER STORY OR UNLIMITED
1 MERCANTILE 1683 9000 6750 15750
FRONTAGE AREA INCREASE FROM SECTION 504.3 ARE COMPUTED THIS:
A. PERIMETER WHICH FROTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = .209 (F)
B. TOTAL BUILDING PERIMETER = .209 (F)
C. RATIO (F/F) = .1
D. MINIMUM WIDTH OF PUBLIC WAY = 30 (F) (F)
E. PERCENT OF FRONTAGE INCREASE 1 = 100 (F/F) 0.25 x W/30 = .72%
UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507
MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING x D (504.2)
MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH 404.5.4
FRONTAGE INCREASE IS BASED ON THE UNSPRINKLERED AREA VALUE IN TABLE 504.2

ALLOWABLE HEIGHT:
BUILDING HEIGHT IN FEET (Table 504.3) ALLOWABLE SHOWN ON PLANS CODE REFERENCE
1 40 16'-8" 1
BUILDING HEIGHT IN STORIES (Table 504.4) 1
PROVIDE CODE REFERENCE IF THE "SHOWN ON PLANS" QUANTITY IS NOT BASED ON TABLE 504.3 OR 504.4
THE MAXIMUM HEIGHT OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.3.1.
THE MAXIMUM HEIGHT OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.5.

FIRE PROTECTION REQUIREMENTS:
BUILDING ELEMENT FIRE SEPARATION DISTANCE (FEET) RATING
REQ'D PROVIDED (W/REDUCTION)
DETAIL # & SHEET #
DESIGN # FOR RATED ASSEMBLY
DESIGN # FOR RATED PENETRATION
DESIGN # FOR RATED JOINTS
STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES 0 0 - - - -
BEARING WALLS 0 0 - - - -
EXTERIOR
NORTH >30' 0 0 - - - -
EAST >30' 0 0 - - - -
WEST >30' 0 0 - - - -
SOUTH >30' 0 0 - - - -
INTERIOR 0 0 - - - -
NON-BEARING WALLS & PARTITIONS
EXTERIOR WALLS
NORTH >30' 0 0 - - - -
EAST >30' 0 0 - - - -
WEST >30' 0 0 - - - -
SOUTH >30' 0 0 - - - -
INTERIOR WALLS AND PARTITIONS 0 0 - - - -
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS 0 0 - - - -
FLOOR CEILING ASSEMBLY 0 0 - - - -
COLUMNS SUPPORTING FLOORS N/A
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS 0 0 - - - -
ROOF CEILING ASSEMBLY 0 0 - - - -
COLUMNS SUPPORTING ROOFS 0 0 - - - -
SHAFT ENCLOSURES - EXIT N/A
SHAFT ENCLOSURES - OTHER N/A
CORRIDOR SEPARATION (EGRESS) 0 0 - - - -
OCCUPANCY/FIRE BARRIER SEPARATION N/A
PARTY/FIRE WALL SEPARATION N/A
SMOKE BARRIER SEPARATION N/A
SMOKE PARTITION N/A
RADIO AMPLIFICATION SYSTEM N/A
TENANT/DWELLING UNIT/SLEEPING UNIT SEPARATION N/A
INCIDENTAL USE SEPARATION N/A
* INDICATE SECTION NUMBER PERMITTING REDUCTION

PERCENTAGE OF WALL OPENING CALCULATIONS:
FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES DEGREE OF OPENINGS PROTECTION (TABLE 705.8) ALLOWABLE AREA (%) ACTUAL SHOWN ON PLANS (%)
>30' UNPROTECTED, UP NO LIMIT N/A

LIFE SAFETY SYSTEM REQUIREMENTS:
EMERGENCY LIGHTING: NO YES
EXIT SIGNS: NO YES
FIRE ALARM: NO YES
SMOKE DETECTION SYSTEMS: NO YES Partial
PANIC HARDWARE: NO YES
CARBON MONOXIDE DETECTION: NO YES

LIFE SAFETY PLAN REQUIREMENTS:
LIFE SAFETY PLAN SHEET: G0.00
Fire and/or smoke rated wall locations (Chapter 7) N/A
Assumed and real property line locations (If not on the site plan) SEE AS.00
Exterior wall opening area with respect to distance to assumed property lines 1700.9 N/A
Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
Occupant loads for each area
Exit access travel distances (1017)
Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1)) N/A
Dead end lengths (1020.4) N/A
Clear exit widths for each exit door
Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3) Actual occupant load for each exit door
A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation N/A
Location of doors with panic hardware (1010.1.10) N/A
Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
Location of doors with electromagnetic egress locks (1010.1.9.9) N/A
Location of doors equipped with hold-open devices N/A
Location of emergency escape windows (1039) N/A
The square footage of each fire area (202) N/A
The square footage of each smoke compartment for Occupancy N/A
Classification 1-2 (407.5)
Note any code exceptions or table notes that may have been utilized N/A
Actual occupant load for each exit door

ACCESSIBLE DWELLING UNITS (SECTION 1107):
TOTAL UNITS ACCESSIBLE UNITS REQUIRED ACCESSIBLE UNITS PROVIDED TYPE A UNITS REQUIRED TYPE A UNITS PROVIDED TYPE B UNITS REQUIRED TYPE B UNITS PROVIDED TOTAL # ACCESSIBLE UNITS PROVIDED
N/A

ACCESSIBLE PARKING (Section 1106): SEE CIVIL PLANS
LOT OR PARKING AREA TOTAL NUMBER OF PARKING SPACES # OF ACCESSIBLE SPACES PROVIDED
REQUIRED PROVIDED REGULAR WITH 5' ACCESS AISLE VAN SPACES WITH 132" ACCESS AISLE 8' ACCESS AISLE TOTAL # OF ACCESSIBLE PROVIDED

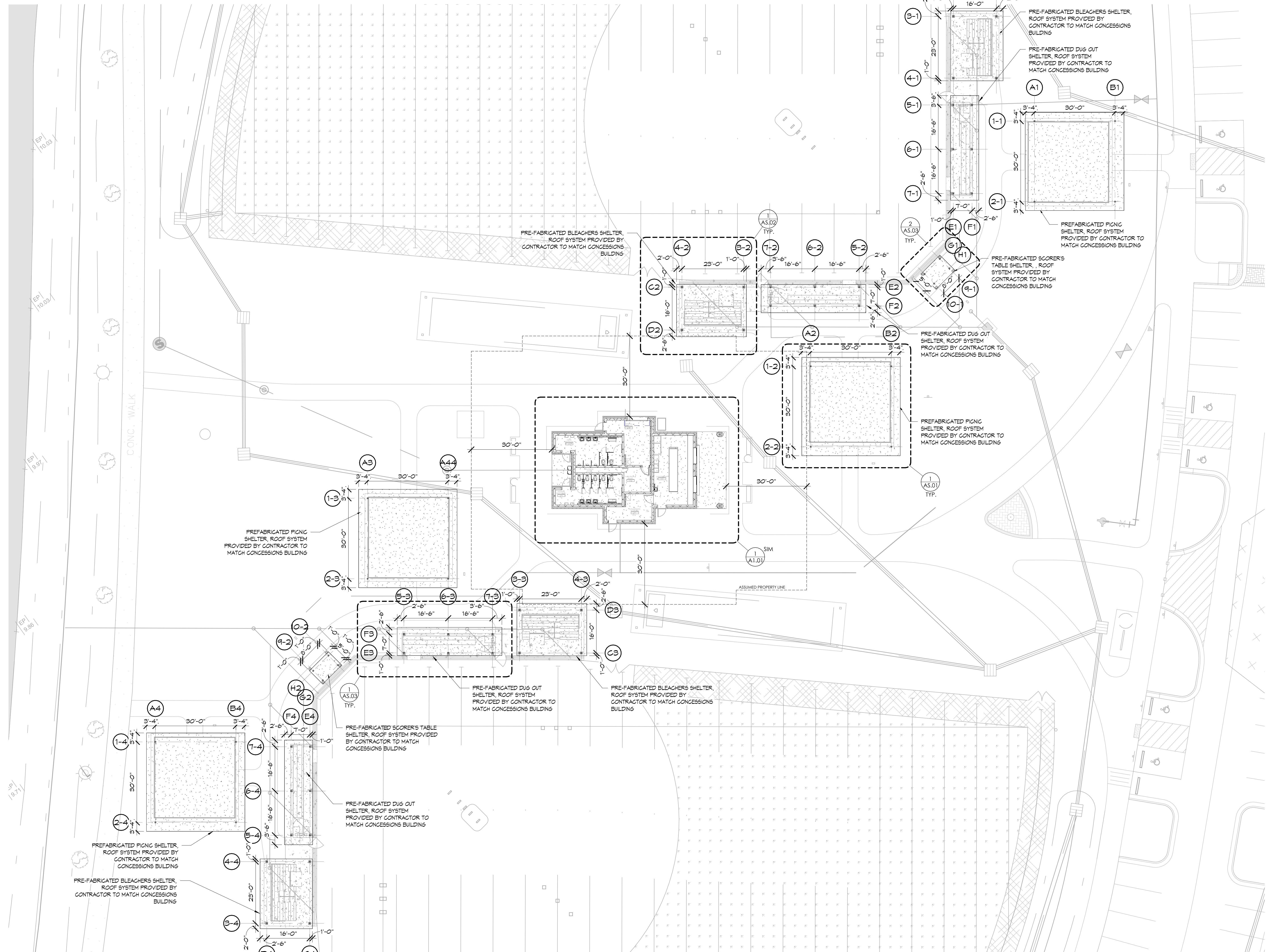
PLUMBING FIXTURE REQUIREMENTS (SECTION 2902.1):
USE: A-S (OUTDOOR SPORTING EVENTS) WATER CLOSETS LAVATORIES URINALS MALE FEMALE UNISEX MALE FEMALE UNISEX SHOWERS/TUBS DRINKING FOUNTAINS SERVICE SINKS
SPACE CALC. FACTOR 1/125 1/100 1/250 1/250 1/1000
REQUIRED 3 5 2 2 2 2 1
PROVIDED 2 5 2 2 2 2 2
Urinals are provided as substitute for men's room Water Closets. Urinal substitution percentage meets NCBC Plumbing Code section 419.2 substitution requirements.
OCCUPANTS EXPECTED FROM FIELDS (800) + OCCUPANTS IN BUILDING (10) = 810 TOTAL OCCUPANTS
SPECIAL APPROVAL: (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPL, DHS, ICC, ETC., DESCRIBE BELOW)
NONE

ENERGY SUMMARY:
ENERGY REQUIREMENTS:
THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED. EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF PERFORMANCE METHOD, STATE THE ANNUAL ENERGY COST FOR THE STANDARD REFERENCE DESIGN VS ANNUAL ENERGY COST FOR THE PROPOSED DESIGN.
EXISTING BUILDING ENVELOPE COMPLIES WITH CODE: NO YES (THE REMAINDER OF THIS SECTION IS NOT APPLICABLE) N/A
EXEMPT BUILDINGS: NO YES (THE REMAINDER OF THIS SECTION IS NOT APPLICABLE)
CLIMATE ZONE: 3A 4A 5A
METHOD OF COMPLIANCE: ENERGY CODE PERFORMANCE PRESCRIPTIVE
ASHRAE 90.1 PERFORMANCE PRESCRIPTIVE IF "OTHER" SPECIFY SOURCE HERE
THERMAL ENVELOPE
ROOF/CEILING ASSEMBLY (EACH ASSEMBLY):
DESCRIPTION OF ASSEMBLY: STANDING SEAM METAL ROOF, VAPOR BARRIER, 1/2" COVERBOARD, 5" RIGID INSULATION, METAL DECKING
U-VALUE OF TOTAL ASSEMBLY:
R-VALUE OF INSULATION: .8-25 C.I. (.8-25 C.I. REQ'D)
SKYLIGHT IN EACH ASSEMBLY: N/A
DESCRIPTION OF ASSEMBLY:
U-VALUE OF TOTAL ASSEMBLY:
R-VALUE OF INSULATION:
SKYLIGHT IN EACH ASSEMBLY:
WALLS BELOW GRADE (EACH ASSEMBLY):
NOT APPLICABLE
FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY):
NOT APPLICABLE
FLOORS SLAB ON GRADE:
DESCRIPTION OF ASSEMBLY: 4" REINFORCED CONCRETE SLAB ON GRADE WITH 10 MIL VAPOR BARRIER ON MIN. 4" POROUS FILL
U-VALUE OF TOTAL ASSEMBLY: NOT REQUIRED
R-VALUE OF TOTAL INSULATION: NOT REQUIRED
HORIZONTAL / vertical requirement: NOT REQUIRED
Sub heated (TYP) NO
WALLS ABOVE GRADE (EACH ASSEMBLY):
DESCRIPTION OF ASSEMBLY: 8" CMU WALL, VAPOR PERMEABLE AIR BARRIER, 2" RIGID INSULATION, AIR SPACE, BRICK VENEER
U-VALUE OF TOTAL ASSEMBLY:
R-VALUE OF INSULATION:
OPENING (windows or doors with glazing):
U-value of assembly: U-0.70 (OPAGUE), U-0.45 (WINDOWS)
Solar heat gain coefficient: .840
projection factor: .50
Door R-values:
DESCRIPTION OF ASSEMBLY:
U-VALUE OF TOTAL ASSEMBLY:
R-VALUE OF INSULATION:

STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)
DESIGN LOADS:
IMPORTANCE FACTORS: SNOW (lb) SEISMIC (lb)
LIVE LOADS: ROOF MEZZANINE FLOOR psf psf psf
GROUND SNOW LOAD: psf
WIND LOAD: ULTIMATE WIND SPEED EXPOSURE CATEGORY mph (ASCE-7)
SEISMIC DESIGN CATEGORY: A B C D
PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:
RISK CATEGORY (TABLE 1604.5) I II III IV
SPECTRAL RESPONSE ACCELERATION: Sds= %g Sd1= %g
SITE CLASSIFICATION: (ASCE 7) A B C D E F
Data Source: FIELD TEST PRESUMPTIVE HISTORICAL DATA
BASIC STRUCTURAL SYSTEM BEARING WALL DUAL WITH SPECIAL MOMENT FRAME
BUILDING FRAME DUAL WITH INTERMEDIATE R/C OR SPECIAL STEEL
MOMENT FRAME INVERTED PENDULUM
ANALYSIS PROCEDURE: SIMPLIFIED EQUIVALENT LATERAL FORCE DYNAMIC
ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED? YES NO
LATERAL DESIGN CONTROL: EARTHQUAKE WIND
SOIL BEARING CAPACITIES:
FIELD TEST (PROVIDE COPY OF TEST REPORT) psf
PRESUMPTIVE BEARING CAPACITY psf
PILE SIZE, TYPE, AND CAPACITY psf

MECHANICAL SUMMARY (SEE MECHANICAL SHEETS)
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
THERMAL ZONE
WINTER DRY BULB: UNITARY description of unit
SUMMER DRY BULB: heating efficiency
cooling efficiency
use category of unit
INTERIOR DESIGN CONDITIONS
WINTER DRY BULB: CHILLER capacity, if oversized, state reason:
SUMMER DRY BULB: Sub cooled, if oversized, state reason:
RELATIVE HUMIDITY: CHILLER
BUILDING HEAT LOAD: LIST EQUIPMENT EFFICIENCIES
BUILDING COOLING LOAD:

ELECTRICAL SUMMARY (SEE ELECTRICAL SHEETS)
ELECTRICAL SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE:
ENERGY CODE PERFORMANCE PRESCRIPTIVE
ASHRAE 90.1 PERFORMANCE PRESCRIPTIVE
LIGHTING SCHEDULE (EACH FIXTURE TYPE)
LAMP TYPE REQUIRED IN FIXTURE
NUMBER OF LAMPS IN FIXTURE
BALLAST TYPE USED IN THE FIXTURE
NUMBER OF BALLASTS IN FIXTURE
TOTAL WATTAGE PER FIXTURE
TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED (WHOLE BUILDING OR SPACE BY SPACE)
TOTAL EXTERIOR WATTAGE SPECIFIED VS ALLOWED
ADDITIONAL PRESCRIPTIVE COMPLIANCE (When using the 2018 NCECC; not required for ASHRAE 90.1)
C406.2 More Efficient Mechanical Equipment
C406.3 Reduced Lighting Power Density
C406.4 Enhanced Digital Lighting Controls
C406.5 On-Site Supply of Renewable Energy
C406.6 Dedicated Outdoor Air System
C406.7 Reduced Energy Use in Service Water Heating



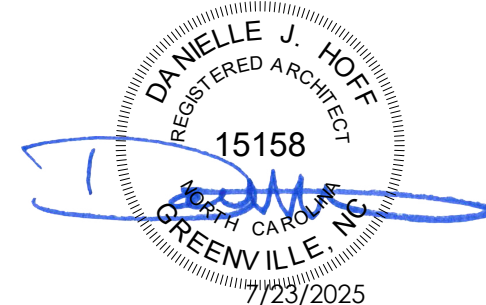
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CURRITUCK COMMUNITY PARK - PHASE III

CONCESSIONS / RESTROOM BUILDING

SHORTCUT ROAD
BARCO, CURRITUCK COUNTY, NC 27971



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REVISIONS:

#	DESC:	DATE
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DRAWN BY: DJH

PROJECT #: 22008

ISSUE DATE: 07/23/2025

PHASE:

CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER

ARCHITECTURAL SITE PLAN

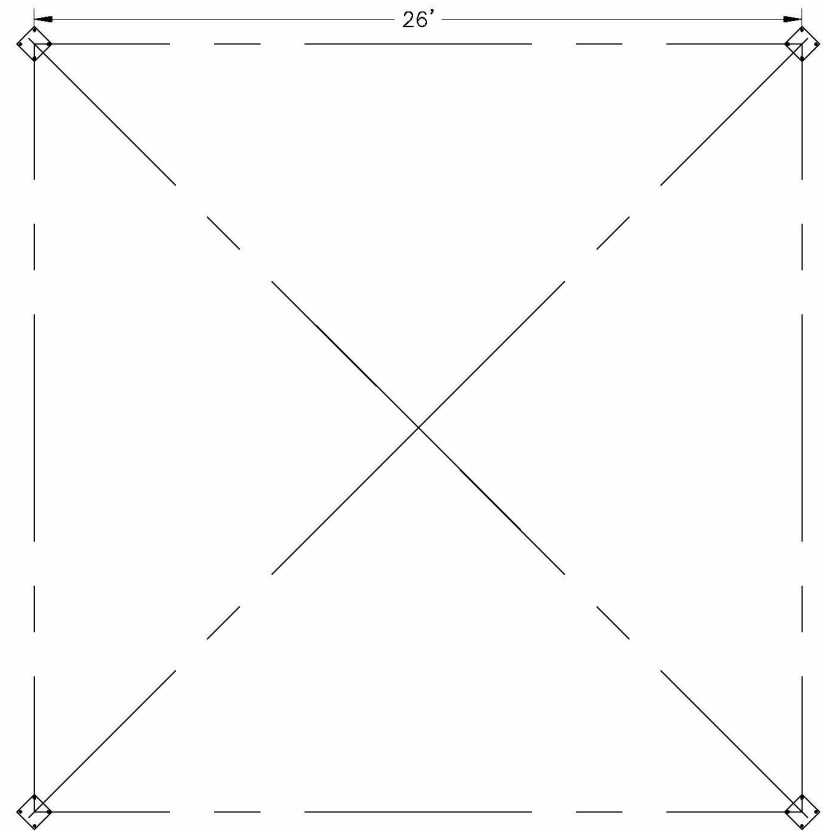
ARCHITECTURAL SITE PLAN

1/16" = 1'-0"

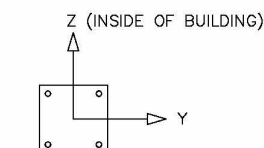
1

AS.00

PRELIMINARY: NOT FOR
CONSTRUCTION



ANCHOR BOLT LAYOUT



LOAD COMBINATION	FOUNDATION LOADS				
	AXIAL (F _x)	SHEAR (F _y)	SHEAR (F _z)	MOMENT (M _y)	MOMENT (M _z)
SL	1.76	0.00	0.00	-0.01	0.00
SL	5.15	0.00	-0.01	-0.04	0.00
W-UPLIFT	-2.37	0.37	-0.36	3.31	3.28
W-FY	-2.21	-0.37	0.37	-3.26	-3.28
W-FZ	-2.21	0.37	0.37	-3.26	3.28
E-FY	-0.07	-0.37	0.37	3.28	-3.27
E-Z	-0.07	-0.37	-0.37	3.28	-3.27

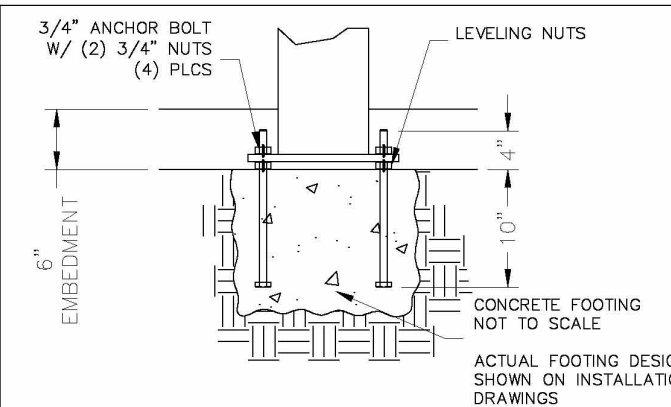
THESE FOUNDATION LOADS ARE FOR ESTIMATING PURPOSE ONLY.
THE ACTUAL LOADS WILL BE DETERMINED IN THE FINAL ENGINEERING.

NOTES:

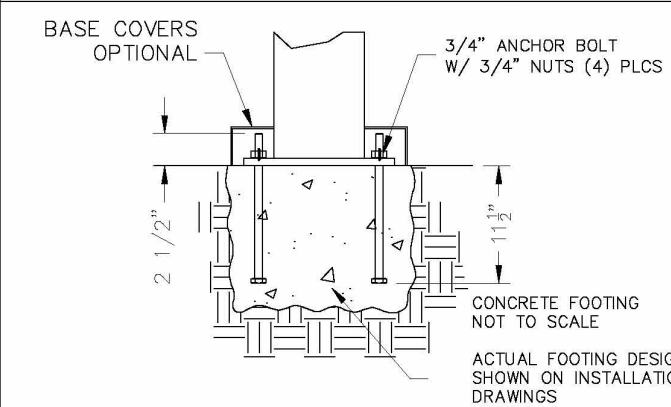
- TABLE SHOWS UNFACTORED SERVICE LOADS
- A FOUNDATION DESIGN HAS NOT BEEN PERFORMED BY ICON SHELTER SYSTEMS INC.
- A LICENSED ENGINEER FAMILIAR WITH SOL CONDITIONS AT CONSTRUCTION SITE MUST PERFORM A FOUNDATION DESIGN.
- THE STRUCTURE HAS BEEN ENGINEERED AS AN OPEN STRUCTURE.
- CONSULT ICON SHELTER SYSTEMS INC. IF THE STRUCTURE IS TO BE ENCLOSED.
- COORDINATES ARE LOCAL TO THE COLUMN

DEFINITIONS:

- DL = SERVICE LEVEL DEAD LOAD REACTION WITH THE GREATEST AXIAL LOAD
- SL = SERVICE LEVEL SNOW LOAD REACTION WITH THE GREATEST AXIAL LOAD
- W-U/L = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST UPLIFT LOAD
- W-Y = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Y DIRECTION
- W-Z = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Z DIRECTION
- E-Y = SERVICE LEVEL SEISMIC LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Y DIRECTION
- E-Z = SERVICE LEVEL SEISMIC LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Z DIRECTION



PRELIMINARY DRAWINGS SHOWN AS 6\"/>



OPTIONAL BASE CONNECTION
COLUMN TYPE: B (SURFACE MOUNT W/ COVERS)

PRELIMINARY BASIS-OF-DESIGN
PREFABRICATION DRAWINGS -
REFER TO COLUMN GRID ON
TYPICAL FLOOR PLAN FOR
DIMENSIONS



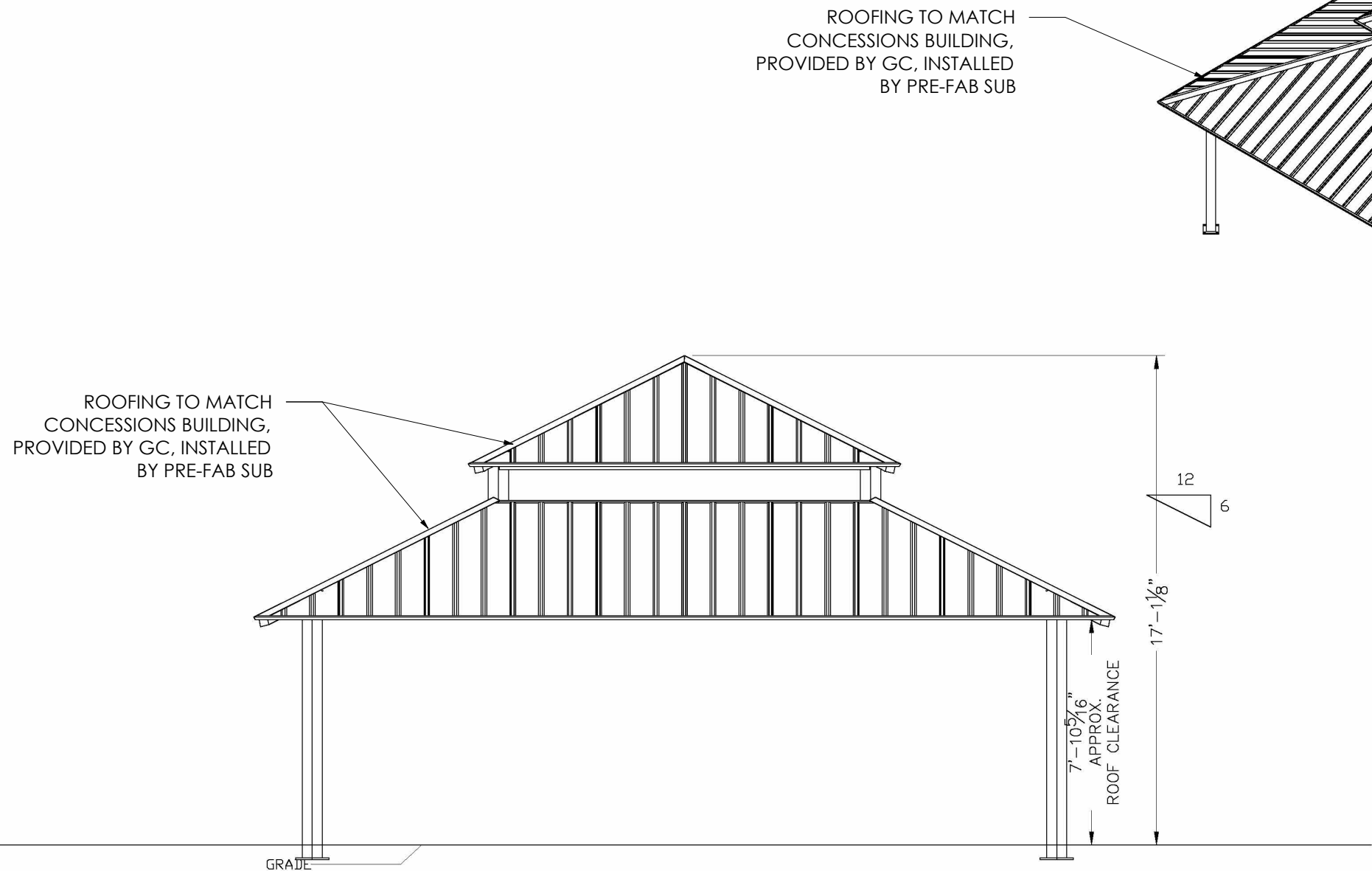
Anchor Bolt Layout

DRAWN BY:

ID
DATE:
1/20/2009
JOB NO.:
STANDARD
REVISION:
BUILDING TYPE:
SQ30M2C-P6
PROJECT NAME:
20-90-30

SHEET
2.0

DWGSS:\Engineering\Standards\Shelters\SQ_30\M2C-P6-20-90-30\Drawings\Preliminary\SQ30M2C-P6-20-90-30-8962.DWG



PRELIMINARY BASIS-OF-DESIGN
PREFABRICATION DRAWINGS -
REFER TO COLUMN GRID ON
TYPICAL FLOOR PLAN FOR
DIMENSIONS



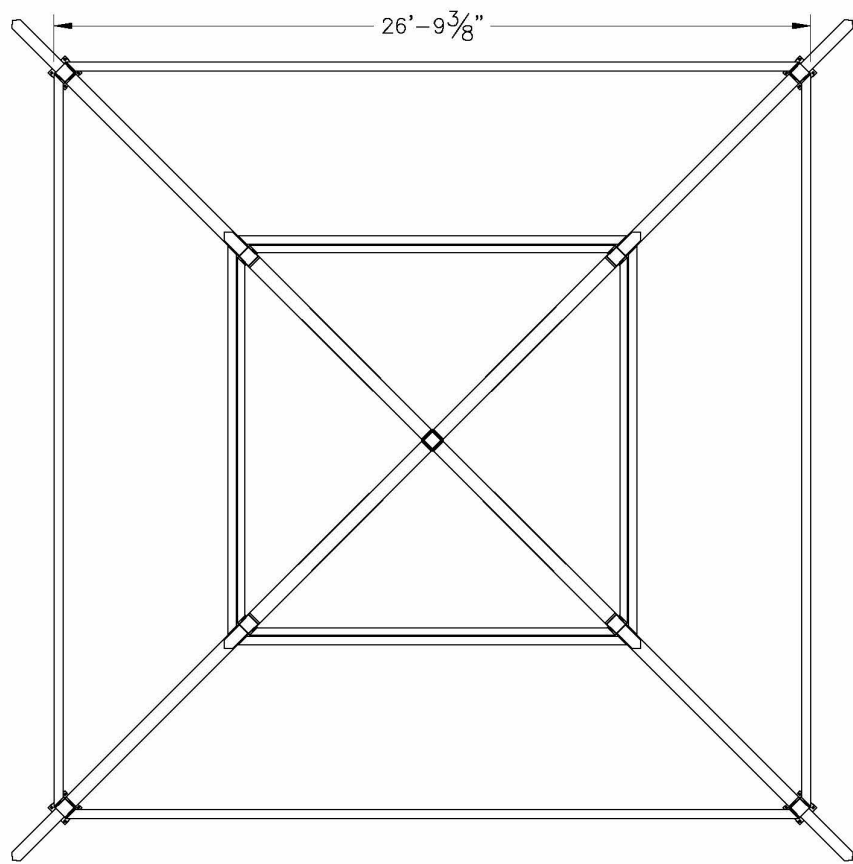
Elevation

DRAWN BY:

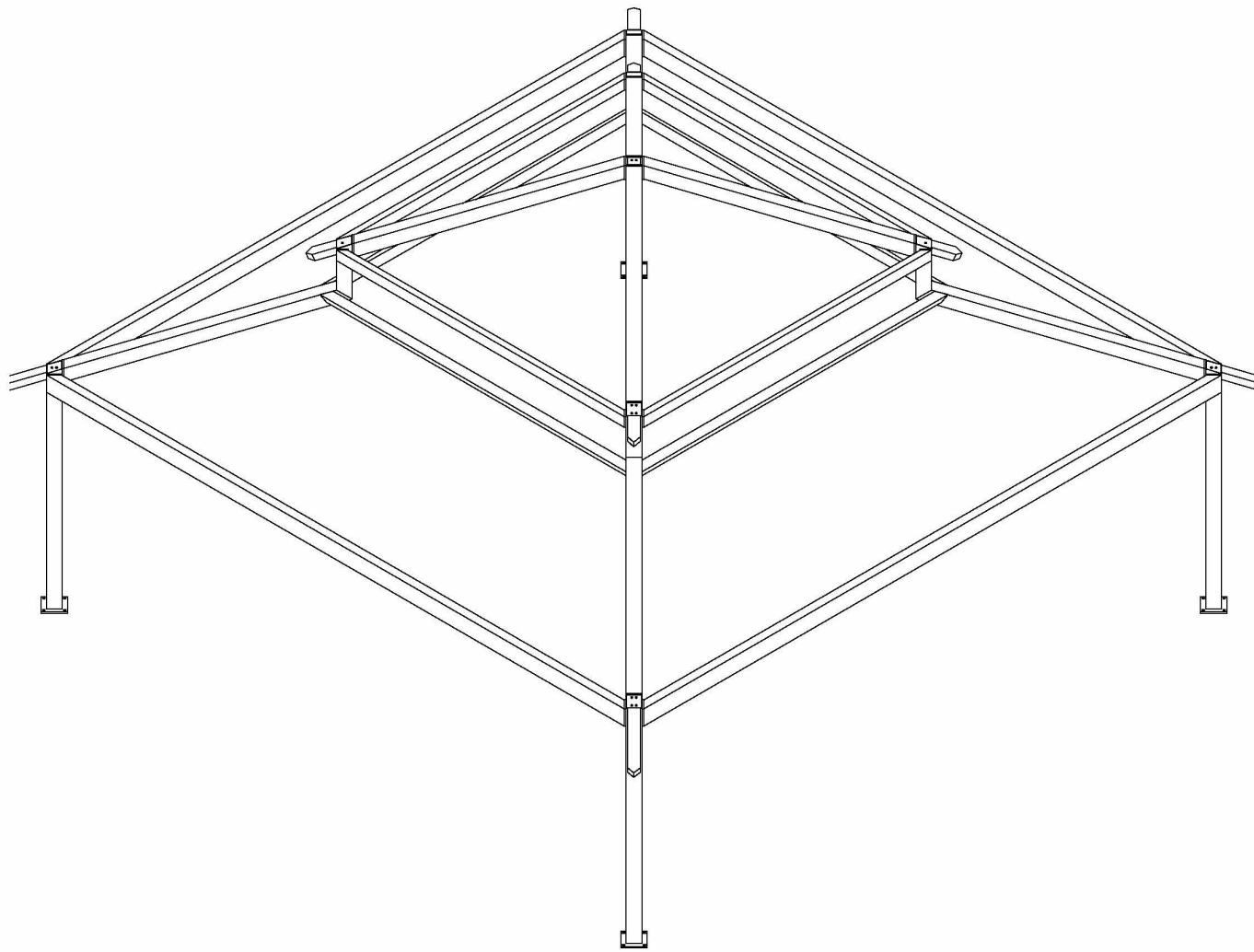
ID
DATE:
1/20/2009
JOB NO.:
STANDARD
REVISION:
BUILDING TYPE:
SQ30M2C-P6
PROJECT NAME:
20-90-30

SHEET
1

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PLAN



ISOMETRIC

ALL STRUCTURAL COMPONENTS WILL BE:
TUBE: ASTM A500 GRADE B
PLATE: ASTM A36
BOLTS: ASTM A325
NUTS: ASTM A563
WELDING: CMAW

NOTE:
COLUMN SIZE: HSS6x6x0.1875



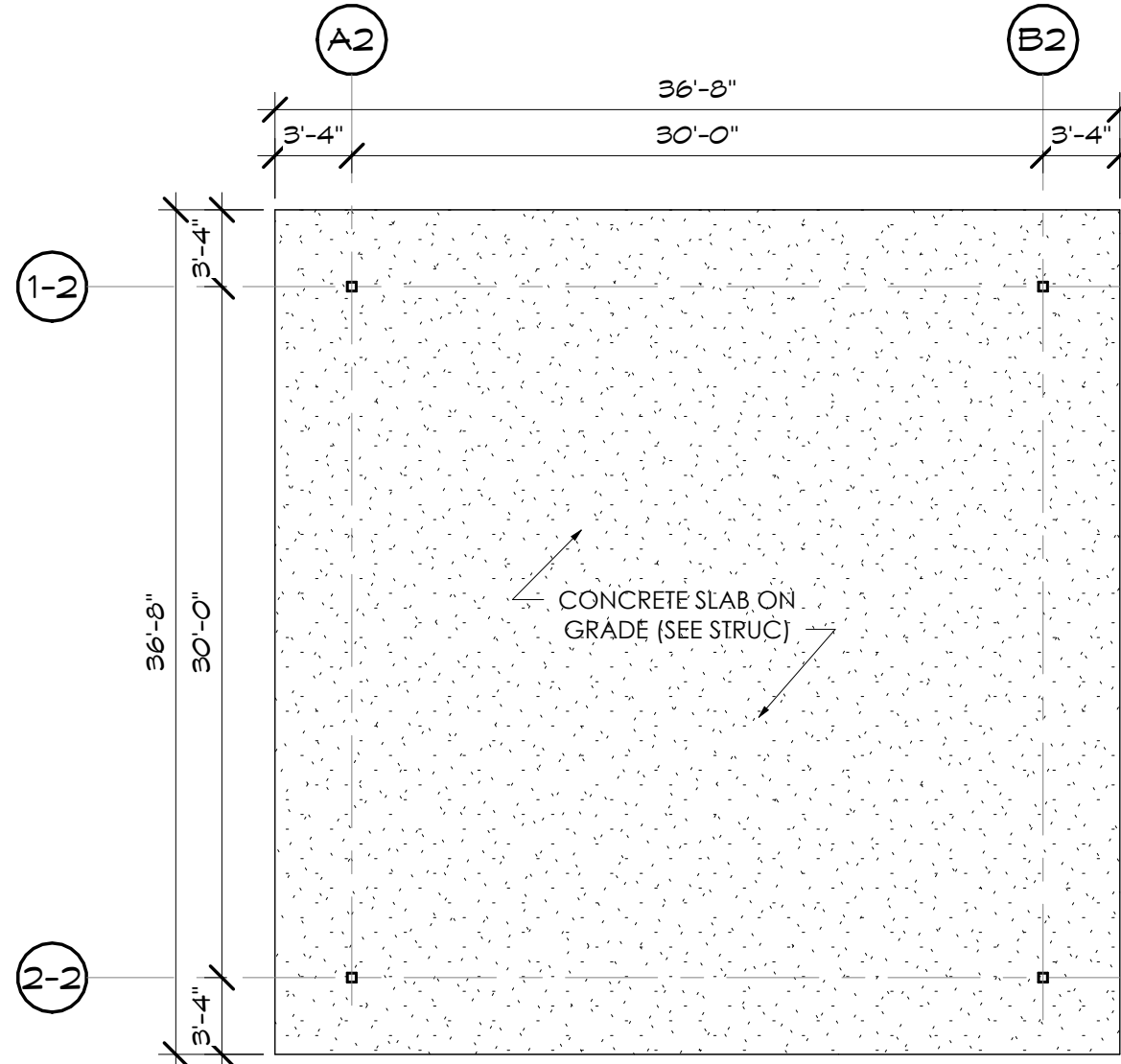
Frame

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ID
DATE:
1/20/2009
JOB NO.:
STANDARD
REVISION:
BUILDING TYPE:
SQ30M2C-P6
PROJECT NAME:
20-90-30

SHEET
3.0

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TYP. PICNIC SHELTER FLOOR PLAN
1/8" = 1'-0"



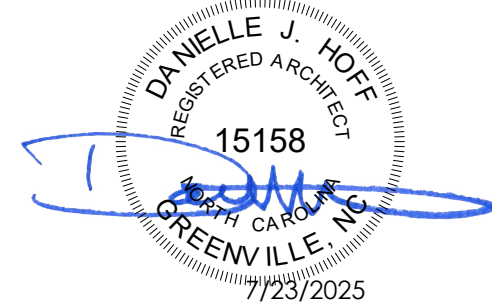
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PROJECT #: 22008
ISSUE DATE: 07/23/2025

PHASE:
CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
TYP PICNIC SHELTER

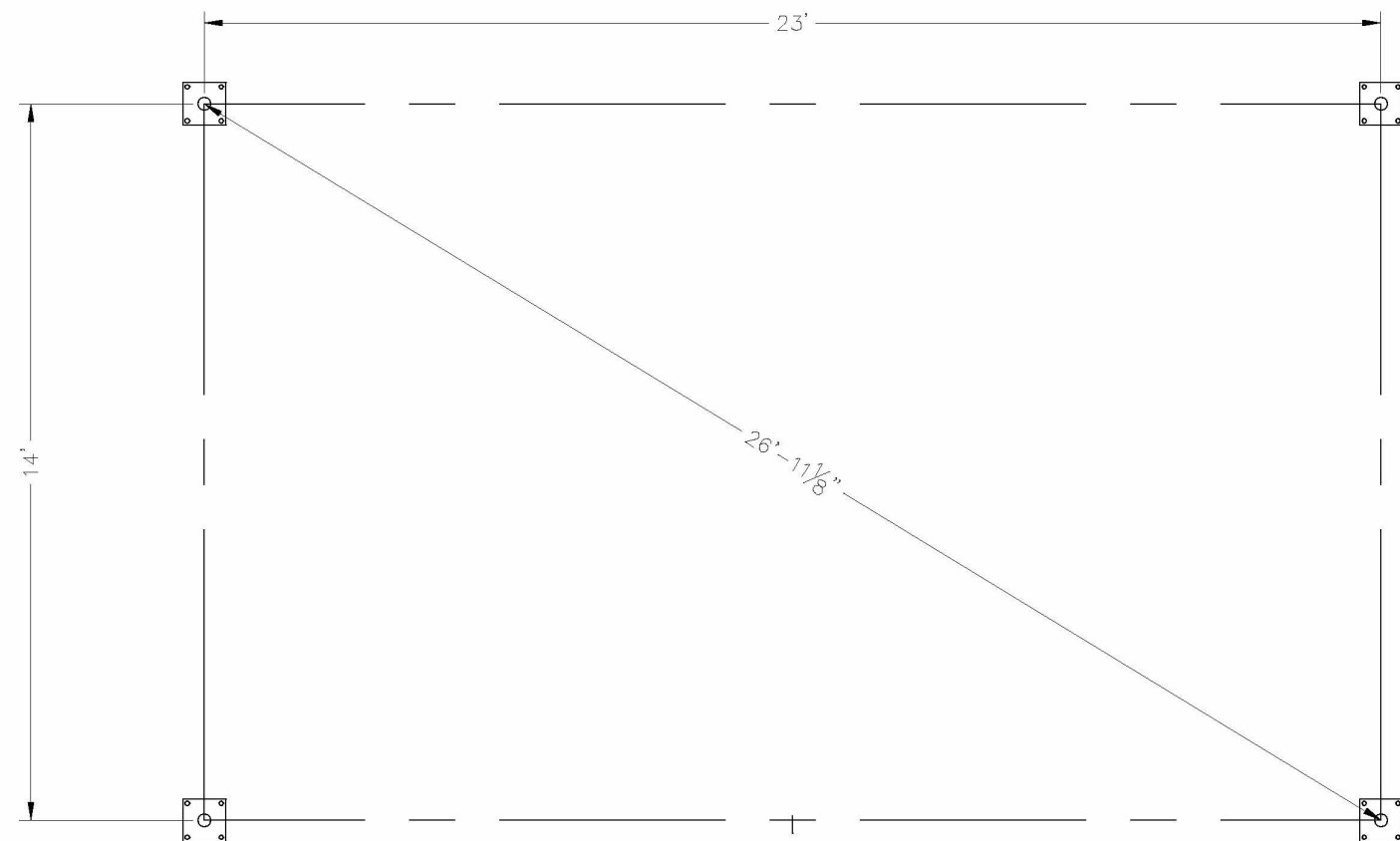
AS.01

Z (INSIDE OF BUILDING)
Y
X
THESE FOUNDATION LOADS ARE FOR ESTIMATING PURPOSE ONLY.
THE ACTUAL LOADS WILL BE DETERMINED IN THE FINAL ENGINEERING

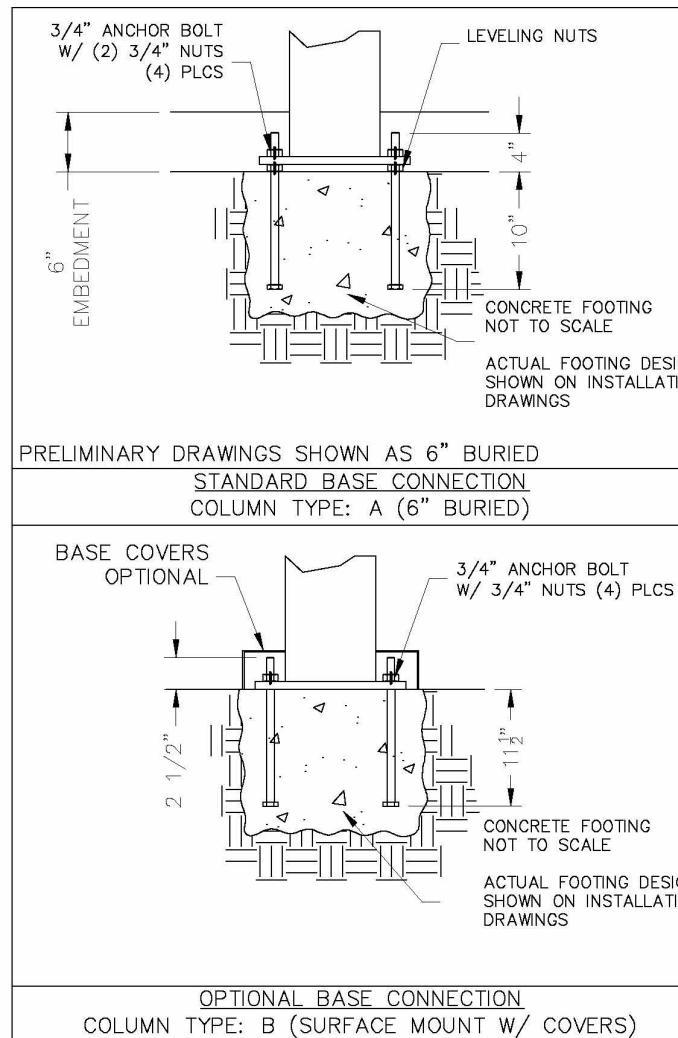
LOADS TO FOUNDATION (KIPS & KIPS)	AXIAL (FX)	SHEAR (FY)	SHEAR (FZ)	MOMENT (MY)	MOMENT (MZ)
DL	1.04	-0.09	0.11	-2.84	-4.40
SL	2.86	-0.38	0.32	-8.68	-17.22
W-UPLIFT	-1.78	0.40	0.82	-75.71	18.38
W-FY	2.40	-0.49	-0.80	75.18	-22.89
W-FZ	1.83	-0.43	-1.01	92.81	-20.16
E-FY	-0.04	0.12	0.00	0.26	10.46
E-FZ	-0.08	-0.01	-0.15	11.24	-0.29

NOTES:
- TABLE SHOWS UNFACTORED SERVICE LOADS
- A FOUNDATION DESIGN HAS NOT BEEN PERFORMED BY ICON SHELTER SYSTEMS INC.
- A LICENSED ENGINEER FAMILIAR WITH SOIL CONDITIONS AT CONSTRUCTION SITE
MUST PERFORM A FOUNDATION DESIGN
- THE STRUCTURE HAS BEEN ENGINEERED AS AN OPEN STRUCTURE
- CONSULT ICON SHELTER SYSTEMS INC. IF THE STRUCTURE IS TO BE ENCLOSED.
- COORDINATES ARE LOCAL TO THE COLUMN

DEFINITIONS:
DL = SERVICE LEVEL DEAD LOAD REACTION WITH THE GREATEST AXIAL LOAD
SL = SERVICE LEVEL SNOW LOAD REACTION WITH THE GREATEST AXIAL LOAD
W-U = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST UPLIFT LOAD
W-FY = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST MAGNITUDE OF
SHEAR IN THE LOCAL Y DIRECTION
W-FZ = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST MAGNITUDE OF
SHEAR IN THE LOCAL Z DIRECTION
E-FY = SERVICE LEVEL EARTHQUAKE LOAD REACTION WITH THE GREATEST MAGNITUDE OF
SHEAR IN THE LOCAL Y DIRECTION
E-FZ = SERVICE LEVEL EARTHQUAKE LOAD REACTION WITH THE GREATEST MAGNITUDE OF
SHEAR IN THE LOCAL Z DIRECTION



PRELIMINARY BASIS-OF-DESIGN
PREFABRICATION DRAWINGS -
REFER TO COLUMN GRID ON
TYPICAL FLOOR PLAN FOR
DIMENSIONS



SHEET
2.0

Anchor Bolt Layout

DRAWN BY:
MB
DATE:
12/1/2014
JOB NO.:
STANDARD
REVISION:

BUILDING TYPE:
MP16X25-10G
PROJECT NAME:

SHEET
2.0

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DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM
COPYRIGHT 2004, ICON SHELTER
SYSTEMS, INC.
1455 LINCOLN AVE.
HOLLAND, MI 49423
616.396.0919
800.718.0985
616.396.0944 FX

Frame

DRAWN BY:
MB
DATE:
12/1/2014
JOB NO.:
STANDARD
REVISION:

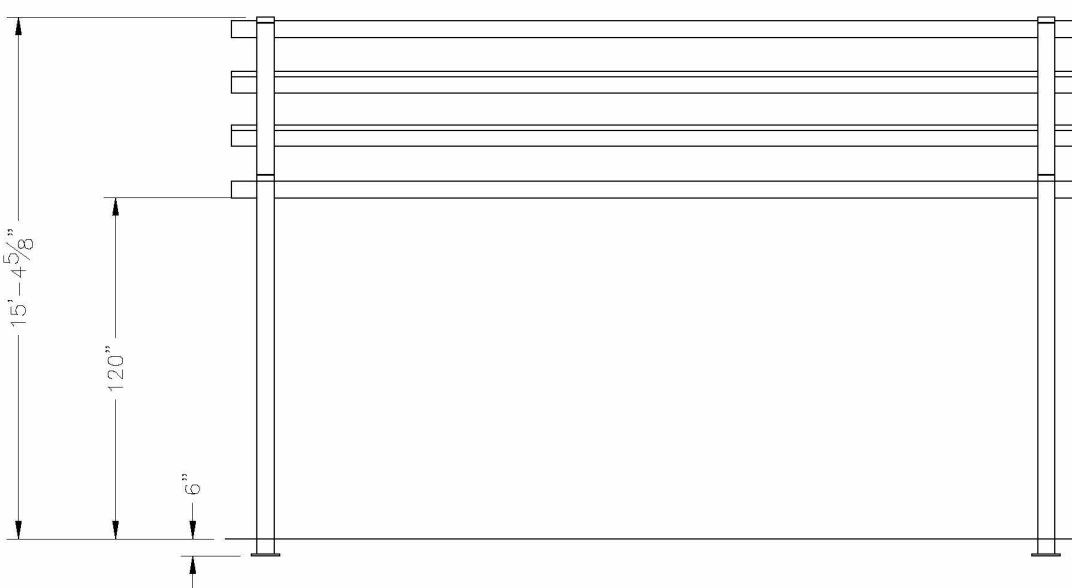
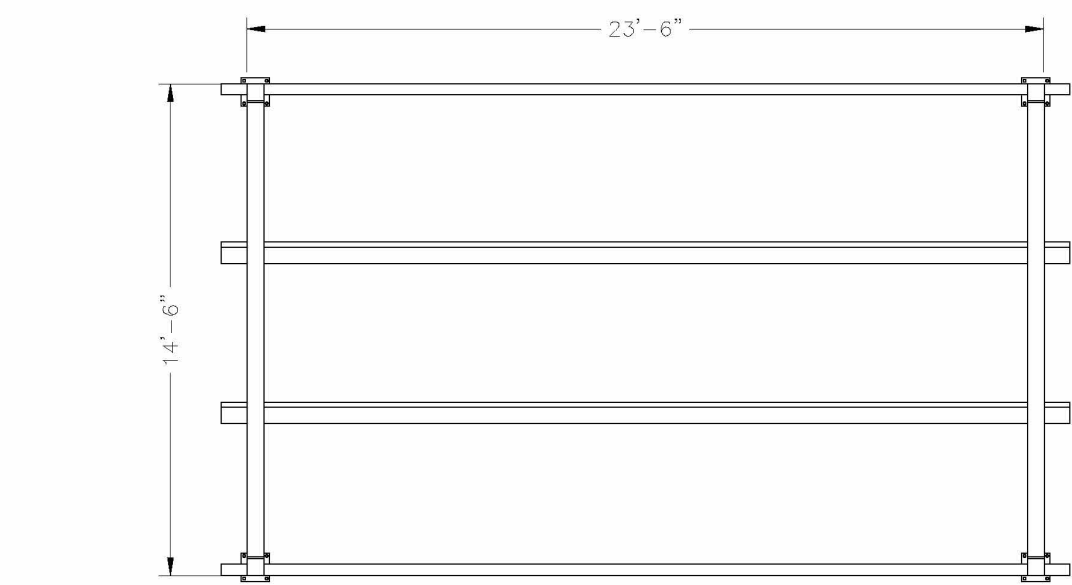
BUILDING TYPE:
MP16X25-10G
PROJECT NAME:

SHEET
3.0

ALL STRUCTURAL COMPONENTS WILL BE:
TUBE: ASTM A500 GRADE B
PLATE: ASTM A36
BOLTS: ASTM A325
NUTS: ASTM A563
WELDING: GMAW

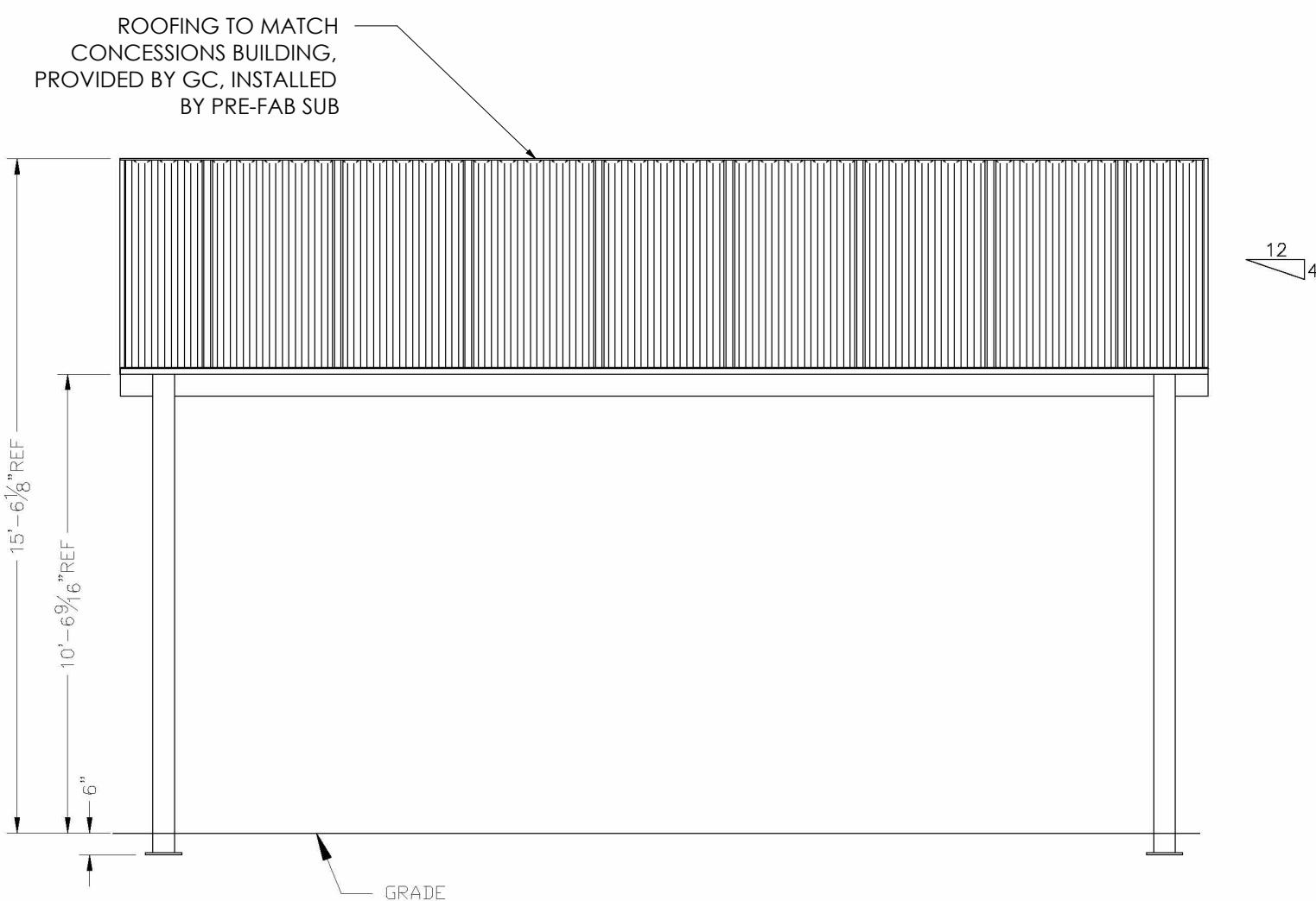
NOTE:
COLUMN SIZE: HSS 6x6x3/16

PRELIMINARY BASIS-OF-DESIGN
PREFABRICATION DRAWINGS -
REFER TO COLUMN GRID ON
TYPICAL FLOOR PLAN FOR
DIMENSIONS



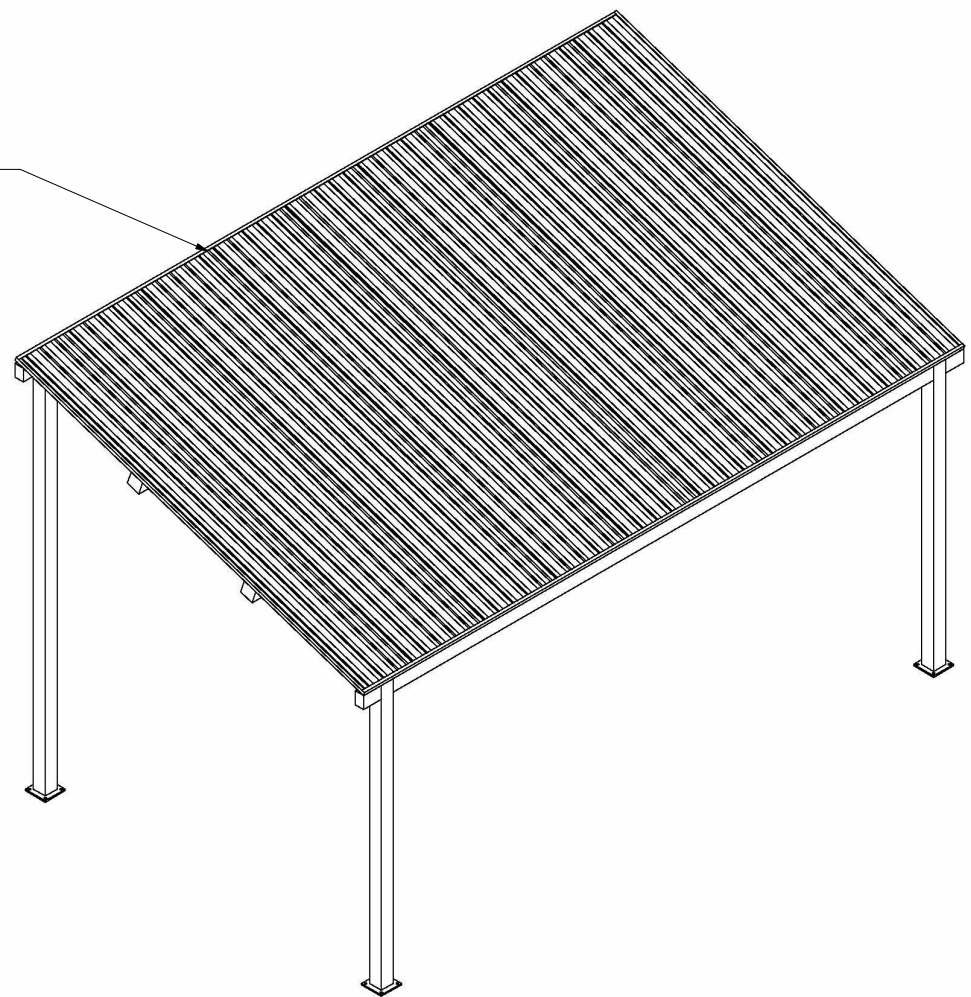
PRELIMINARY BASIS-OF-DESIGN
PREFABRICATION DRAWINGS -
REFER TO COLUMN GRID ON
TYPICAL FLOOR PLAN FOR
DIMENSIONS

PRELIMINARY: NOT FOR
CONSTRUCTION



PRELIMINARY BASIS-OF-DESIGN
PREFABRICATION DRAWINGS -
REFER TO COLUMN GRID ON
TYPICAL FLOOR PLAN FOR
DIMENSIONS

ROOFING TO MATCH
CONCESSIONS BUILDING,
PROVIDED BY GC, INSTALLED
BY PRE-FAB SUB



SHEET
1.0

DRAWN BY:
MB
DATE:
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JOB NO.:
STANDARD
REVISION:

BUILDING TYPE:
MP16X25-10G
PROJECT NAME:

SHEET
1.0

Elevation

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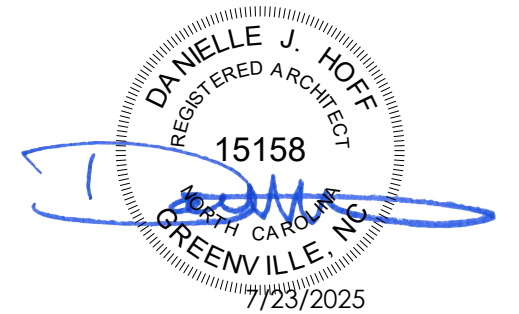
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CONCESSIONS / RESTROOM BUILDING

SHORTCUT ROAD

BARCO, CURRITUCK COUNTY, NC 27971



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SHEET NAME & NUMBER

TYP BLEACHER SHELTER

TYPICAL BLEACHER SHELTER FLOOR PLAN 1
1/8" = 1'-0"

AS.02

DEFINITIONS:

DL = SERVICE LEVEL DEAD LOAD REACTION WITH THE GREATEST AXIAL LOAD

SL = SERVICE LEVEL SNOW LOAD REACTION WITH THE GREATEST AXIAL LOAD

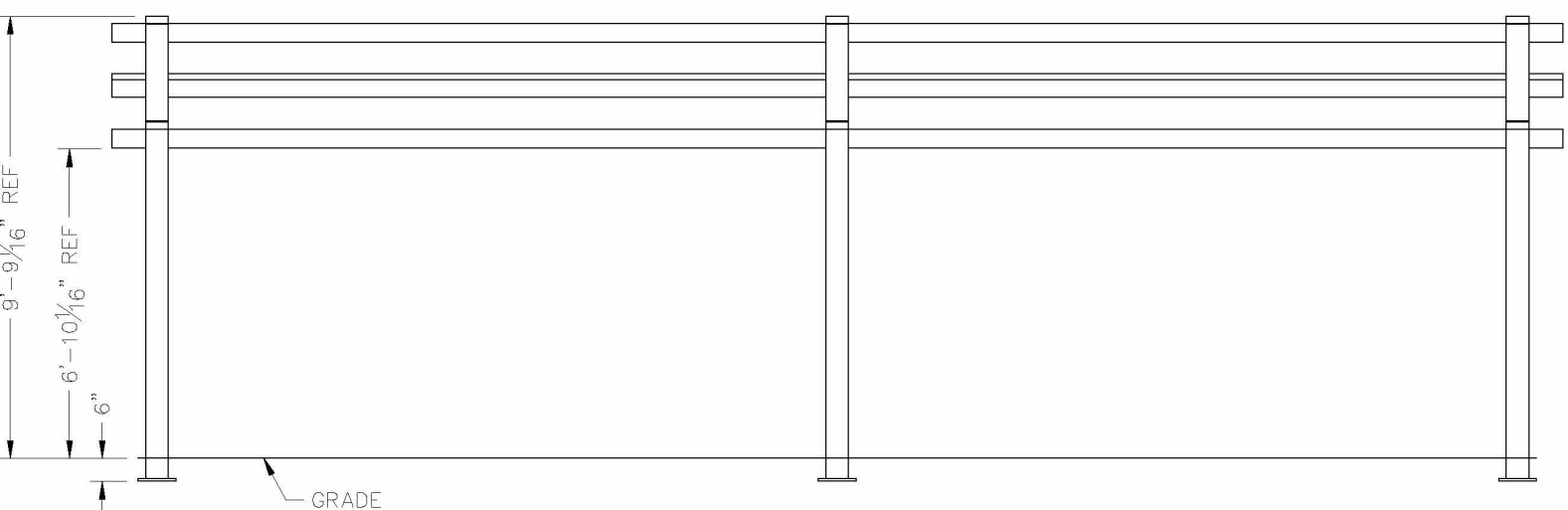
W-UL = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST UPLIFT LOAD

W-Y = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Y DIRECTION

W-Z = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Z DIRECTION

E-Y = SERVICE LEVEL SEISMIC LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Y DIRECTION

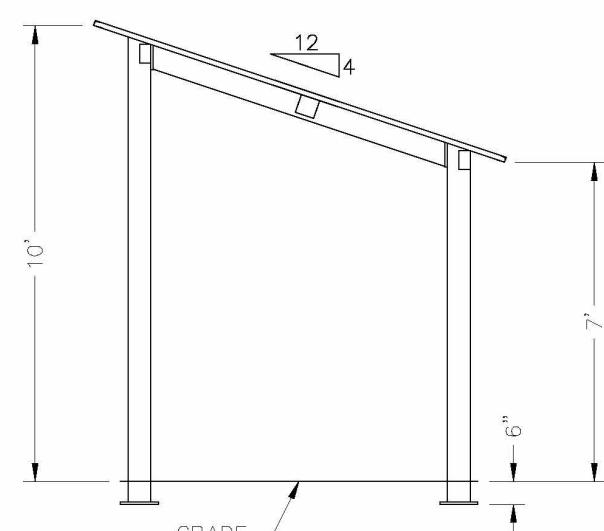
E-Z = SERVICE LEVEL SEISMIC LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Z DIRECTION



OPTIONAL BASE CONNECTION
COLUMN TYPE: B (SURFACE MOUNT W/ COVERS)

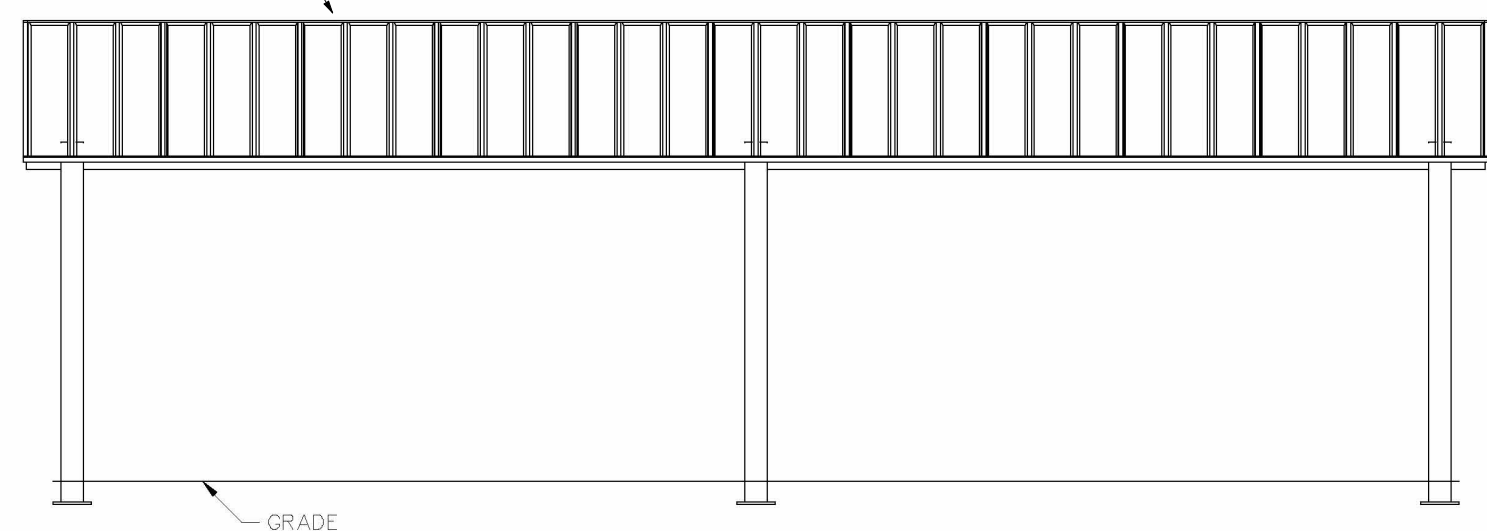
SHEET
2.0

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ROOFING TO MATCH
CONCESSIONS BUILDING,
PROVIDED BY GC, INSTALLED
BY PRE-FAB SUB

PREFABRICATION DRAWINGS -
REFER TO COLUMN GRID ON
TYPICAL FLOOR PLAN FOR
DIMENSIONS



SHEET
1.0

DWG: \\con01\Company\Engineering\Standards\Shelters\MP\9X32\M-P4-45-90-150\Drawings\Preliminary\MP9x32-7M-P4-45-90-150~15840.DWK



SHEET
3.0

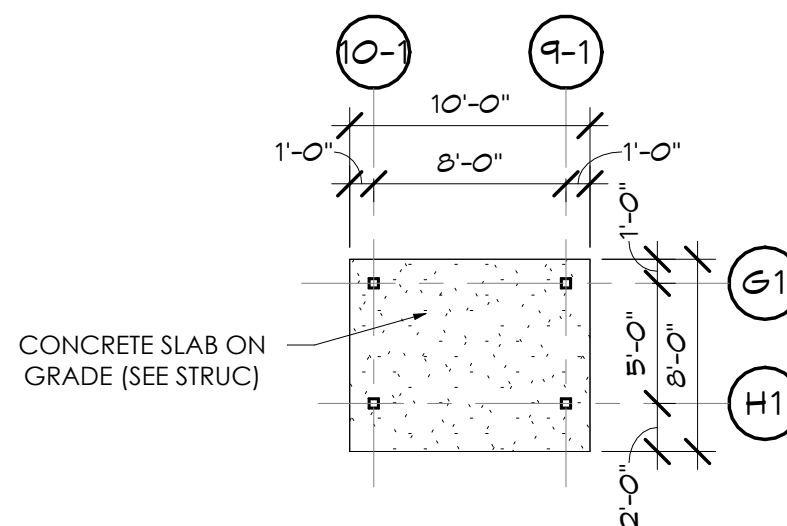
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**PRELIMINARY BASIS-OF-DESIGN
PREFABRICATION DRAWINGS -
REFER TO COLUMN GRID ON
TYPICAL FLOOR PLAN FOR
DIMENSIONS**

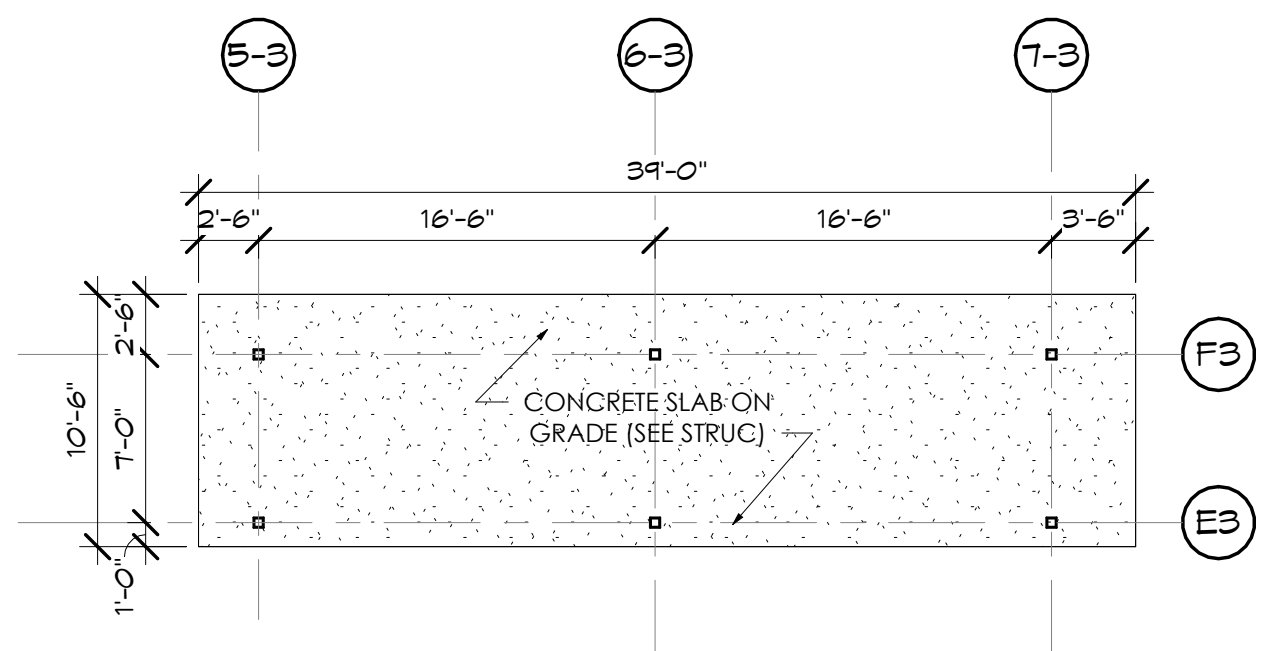
ALL STRUCTURAL COMPONENTS WILL BE:
TUBE: ASTM A500 GRADE B
PLATE: ASTM A36
BOLTS: ASTM A325
NUTS: ASTM A563
WELDING: GMAW

NOTE:
COLUMN SIZE: HSS 6x6x3/16

**SCOREKEEPER
SHELTER SHALL
FOLLOW THE SAME
ELEVATIONS AND
CONCEPT AS DUGOUT
SHELTER SHOWN ON
THIS PAGE, BUT ALIGN
TO THE DIMENSIONS
SHOWN IN THIS PLAN



TYPICAL SCOREKEEPER SHELTER FLOOR PLAN 2



TYPICAL DUGOUT SHELTER FLOOR PLAN 1

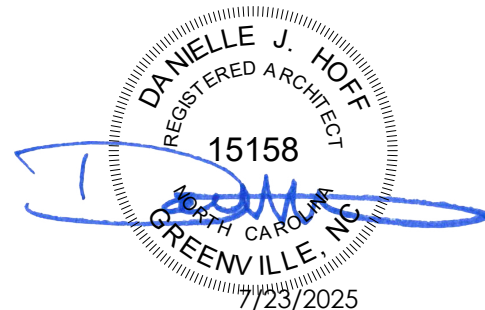


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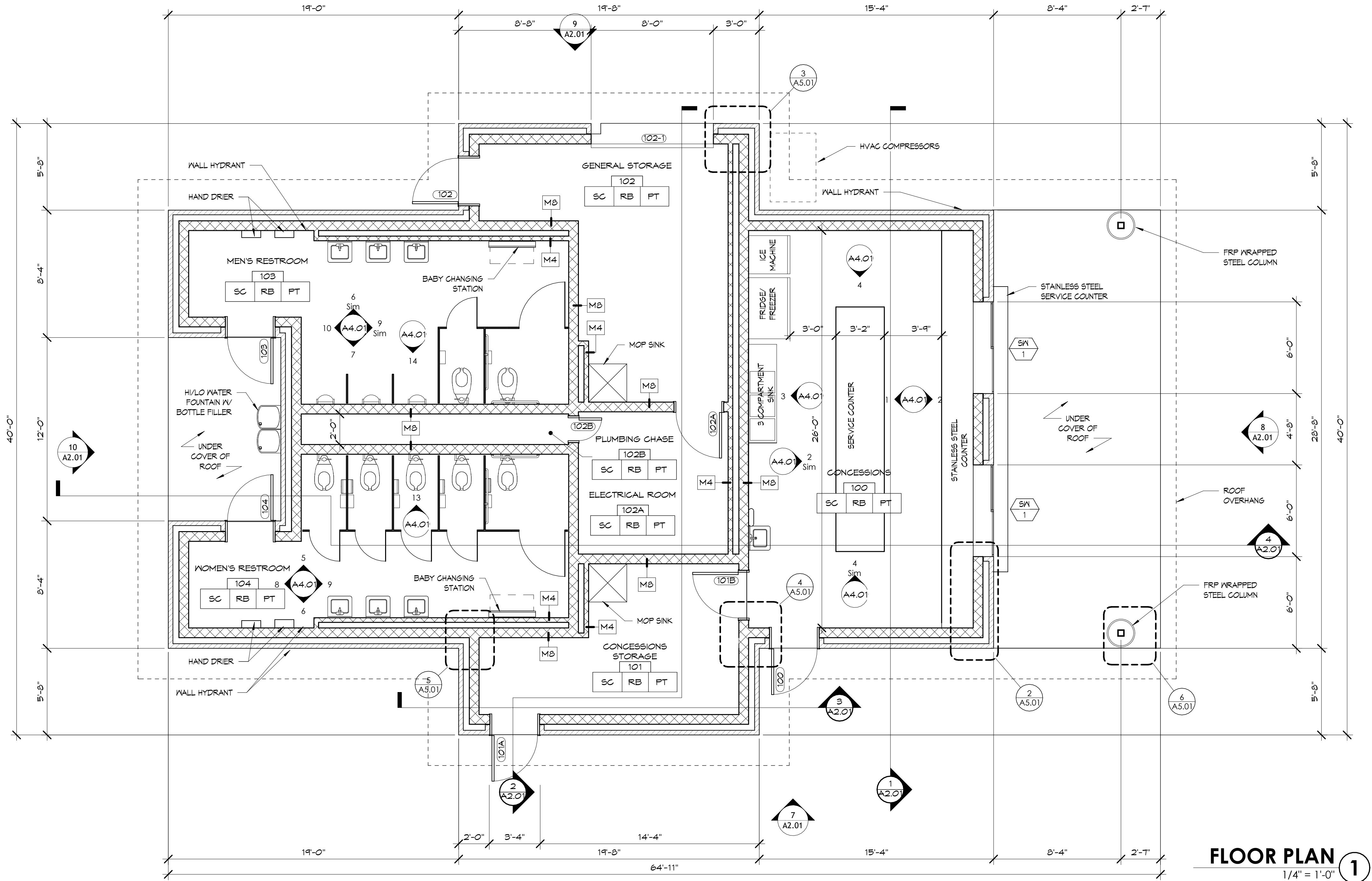
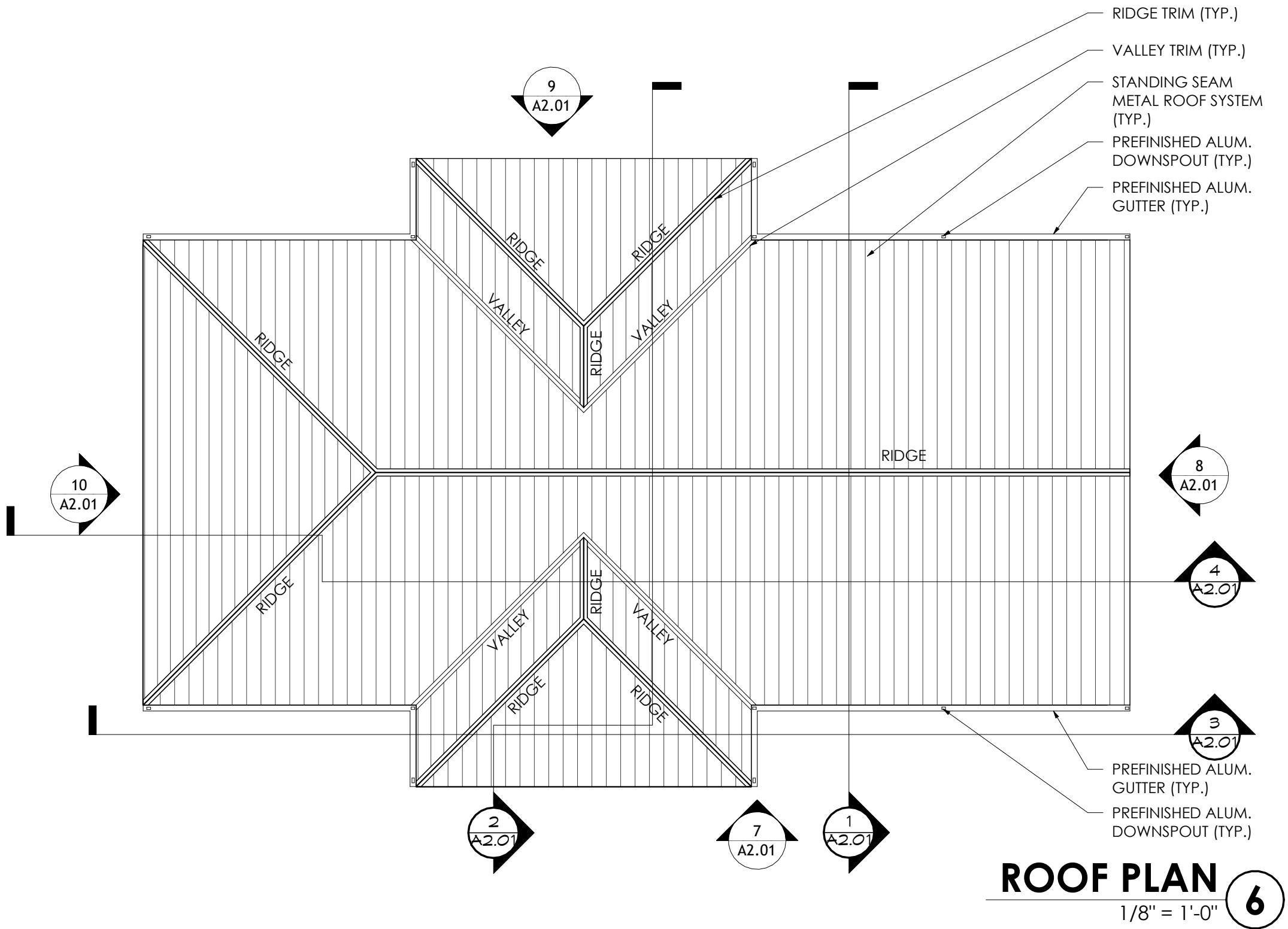
PHASE:
CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER

TYP DUGOUT & SCORE KEEPER SHELTERS

AS.03

FINISH SHCHEDULE						
	TAG	FINISH TYPE	MANUFACTURER	STYLE/COLOR	ALTERNATE MANUFACTURER	REMARKS
FLOOR	EP	EPOXY1	TRI SOLUTIONS	MANUF. FULL RANGE	STONHARD, LATICRETE OR EQUIVILANT	
WALL	PT	PAINT	SHERWIN WILLIAMS	MANUF. FULL RANGE	BENJAMINE MOORE, VALSPAR OR EQUIVILANT	
BASE	RB	RUBBER BASE	JOHNSONITE	MANUF. FULL RANGE	ROPPE, MOHAWK OR EQUIVILANT	INSTALLED THROUGH SCOPE AREA, UNO
CASEWORK	PLAM	PLASTIC LAMINATE	FORMICA	MANUF. FULL RANGE	WILSONT ART, PANOLAM OR EQUIVILANT	
	SST	STAINLESS STEEL SURFACE	CUSTOM FABRICATION	304 BRUSHED		
CEILING	ACT	ACOUSTICAL CEILING TILE	USG	WHITE, SQUARE EDGE, WIPEABLE SURFACE	ARMSTRONG, CERTAINTEED OR EQUIVILANT	
OTHER	TS	TRANSITION STRIP	HANSTONE	MANUF. FULL RANGE	OR EQUAL	ADA COMPLIANT



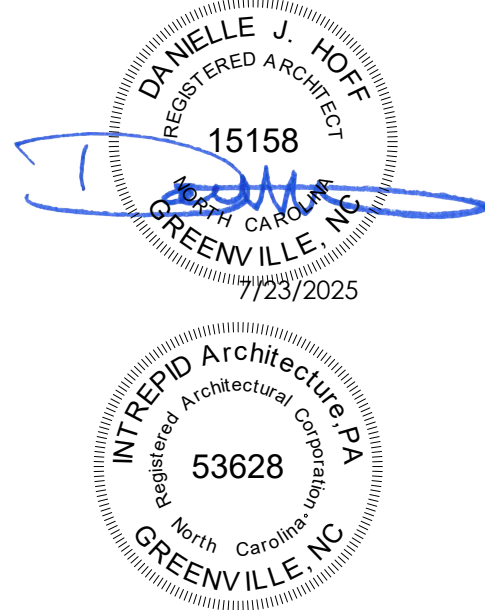
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FIRST FLOOR PLAN & ROOF PLAN

A1.01



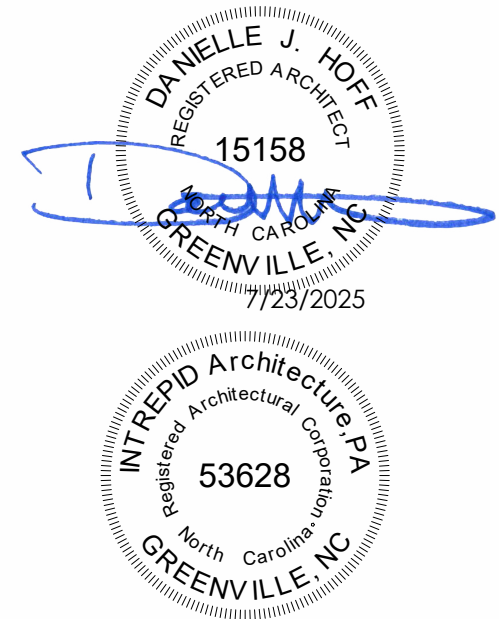
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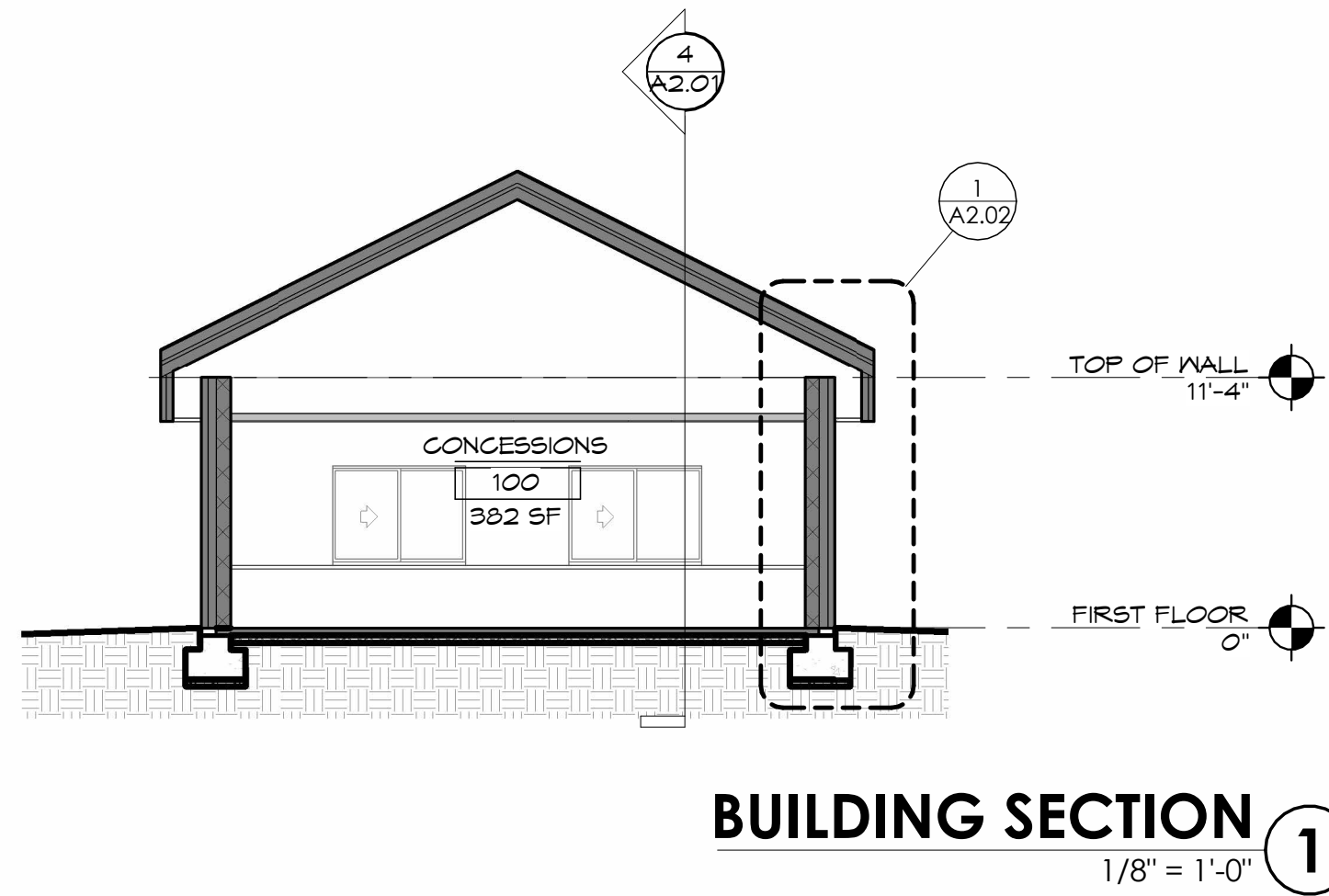
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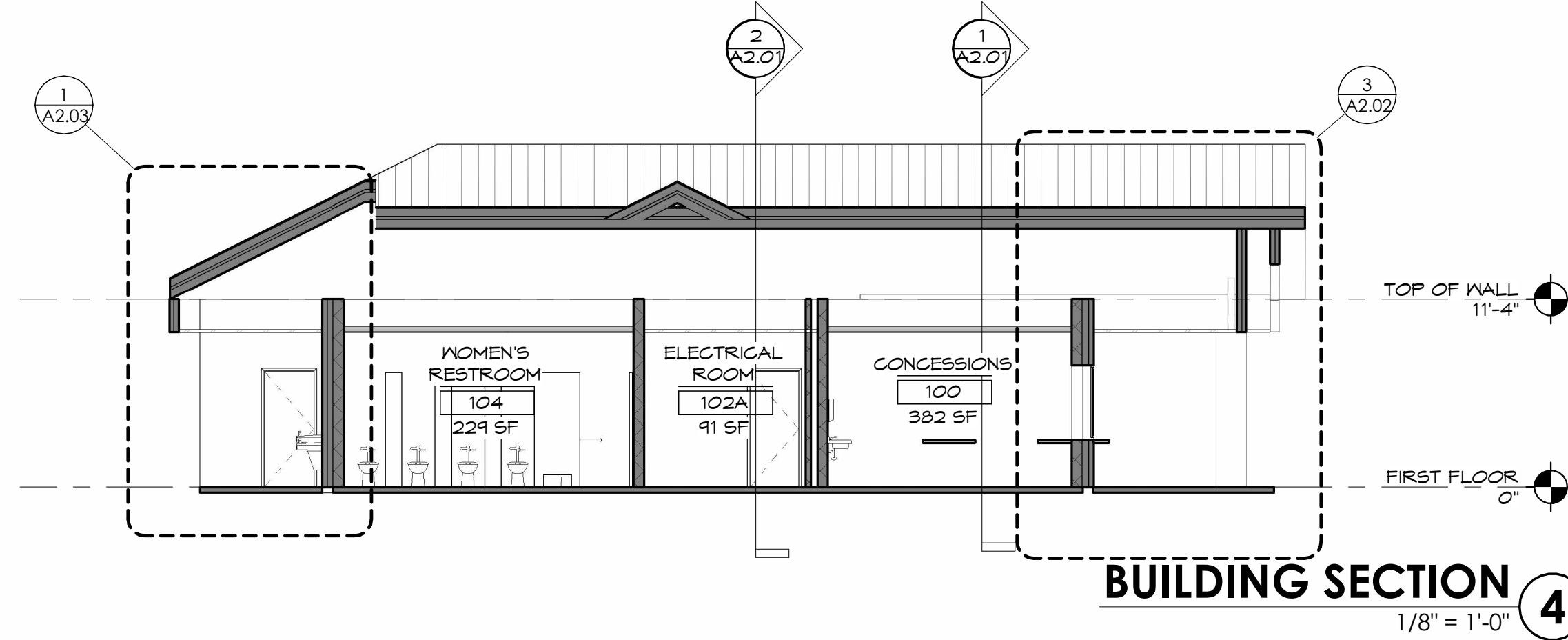
SHEET NAME & NUMBER

EXTERIOR ELEVATIONS & BUILDING SECTIONS

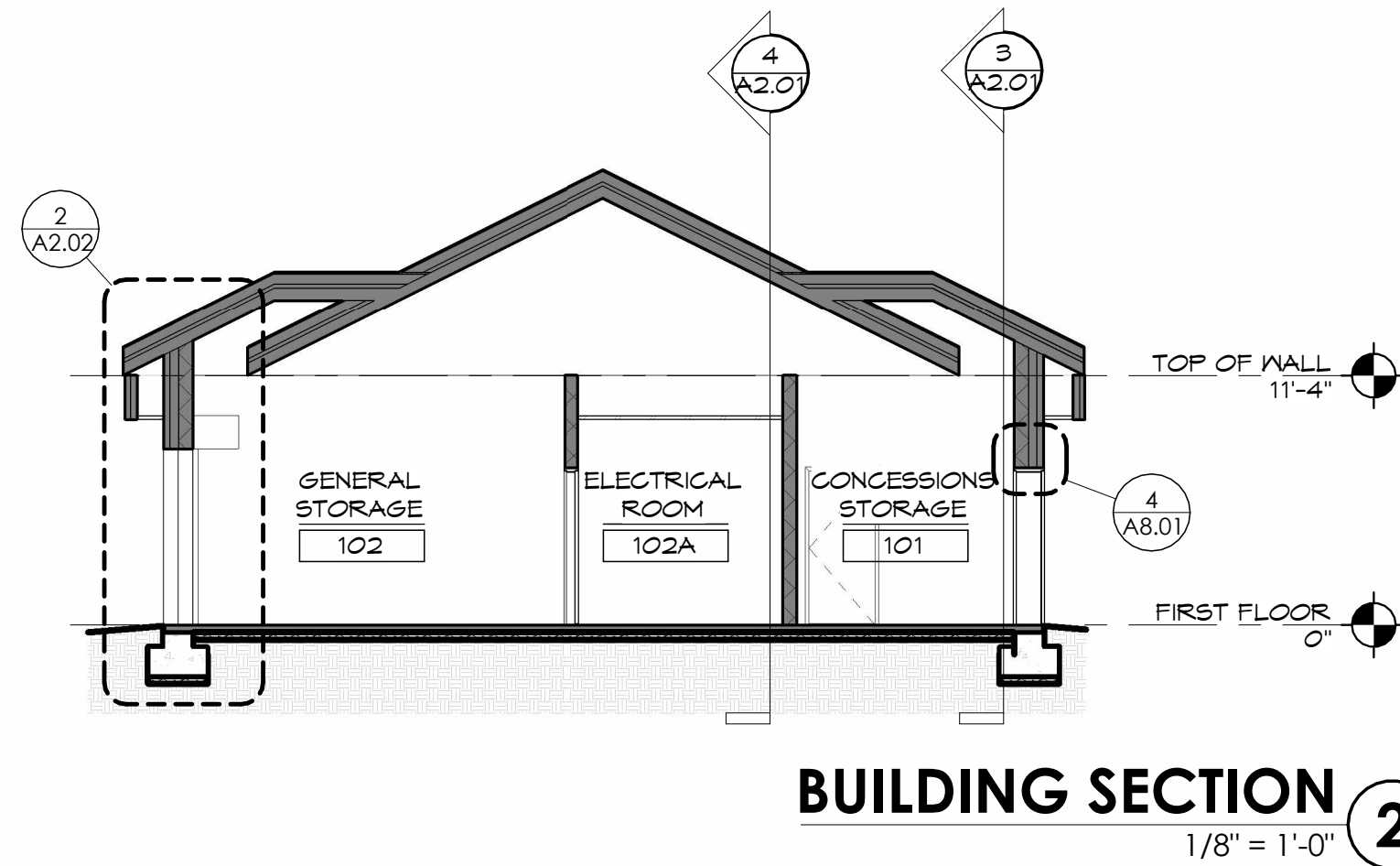
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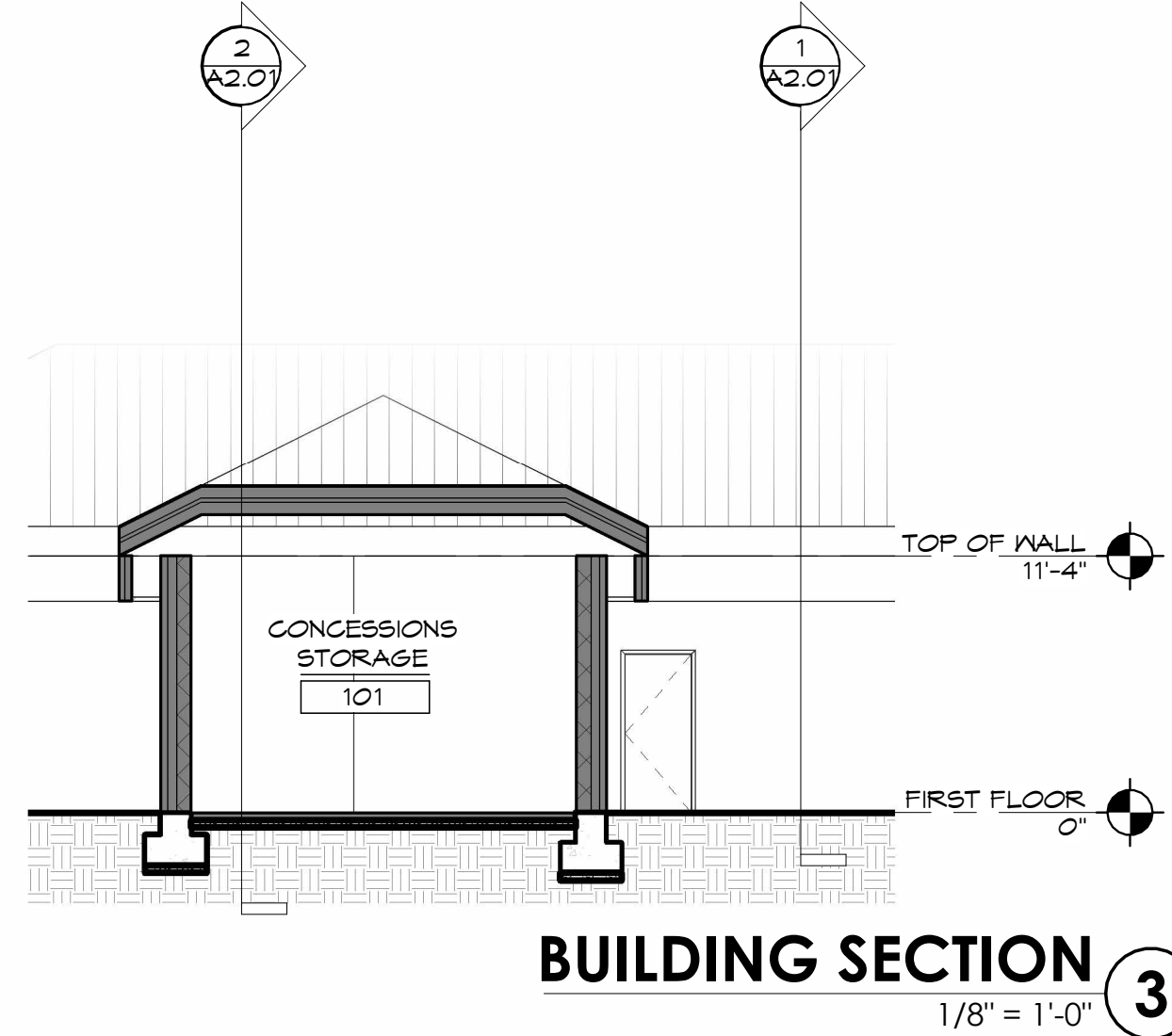
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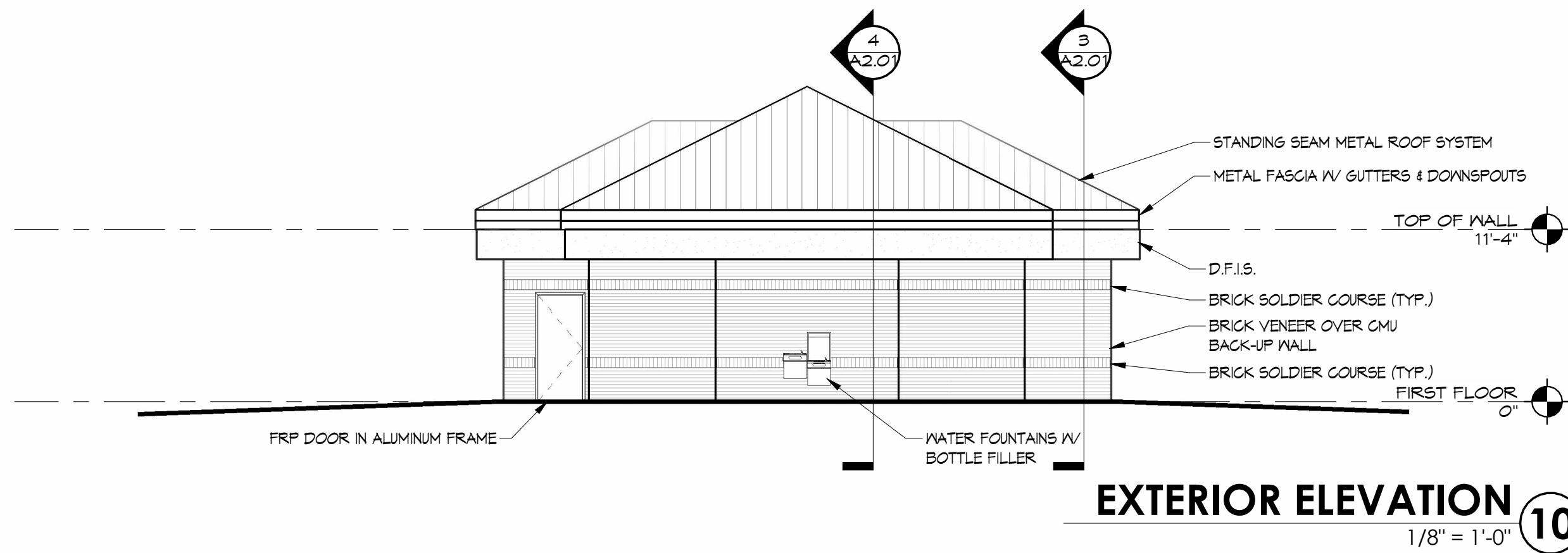
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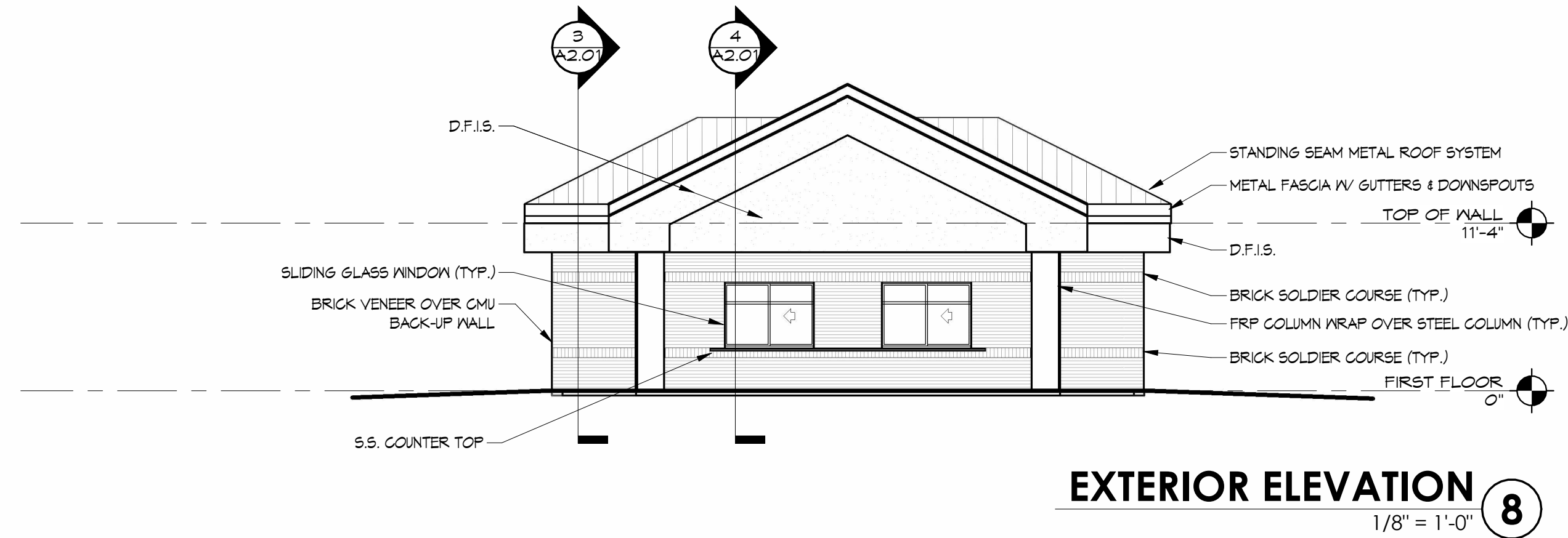
BUILDING SECTION 2
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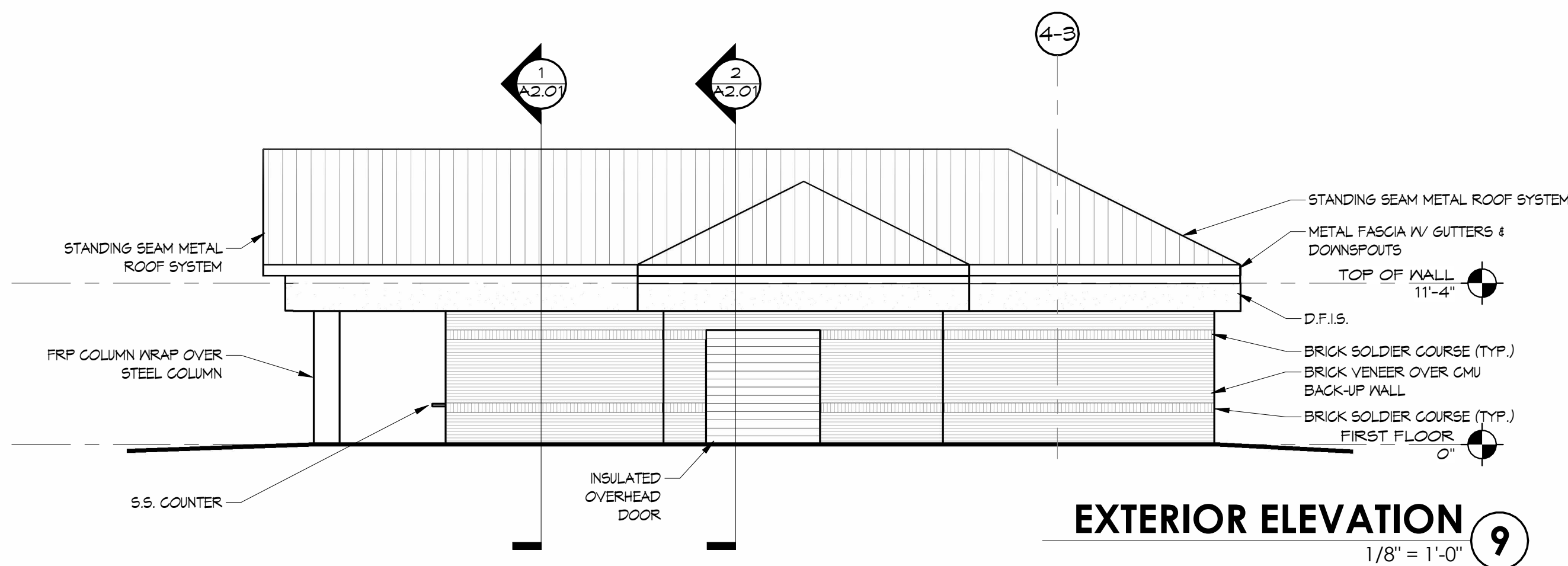
BUILDING SECTION 3
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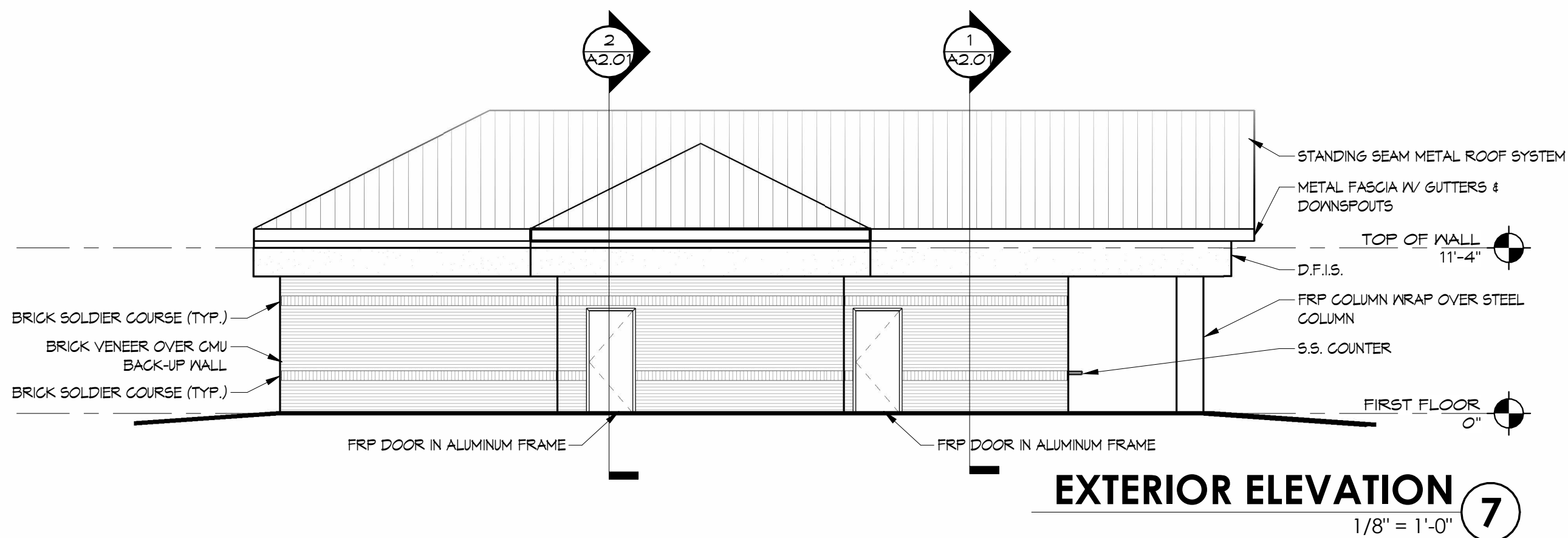
EXTERIOR ELEVATION 10
1/8" = 1'-0"



EXTERIOR ELEVATION 8
1/8" = 1'-0"



EXTERIOR ELEVATION 9
1/8" = 1'-0"



EXTERIOR ELEVATION 7
1/8" = 1'-0"



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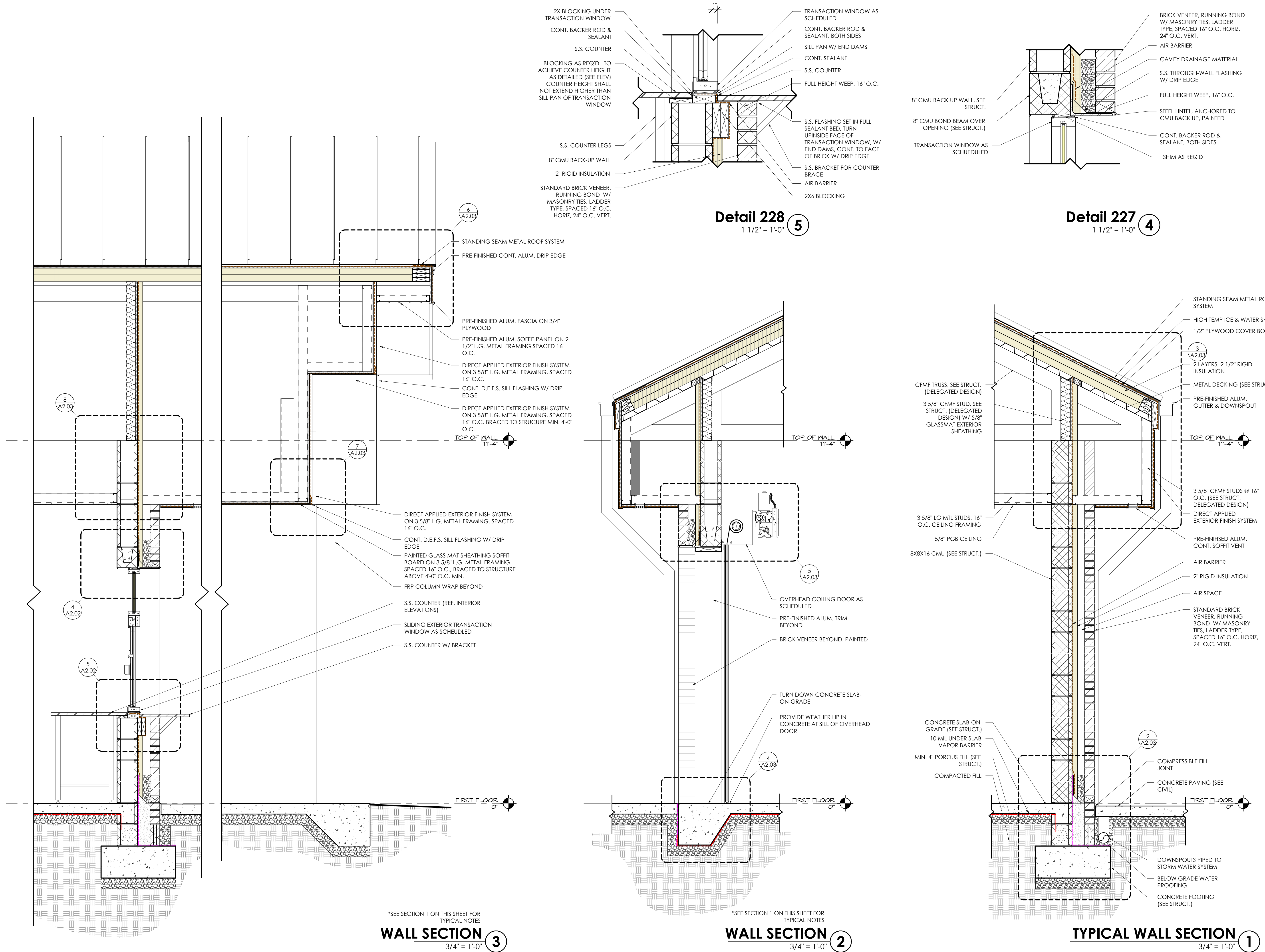
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WALL SECTIONS

A2.02





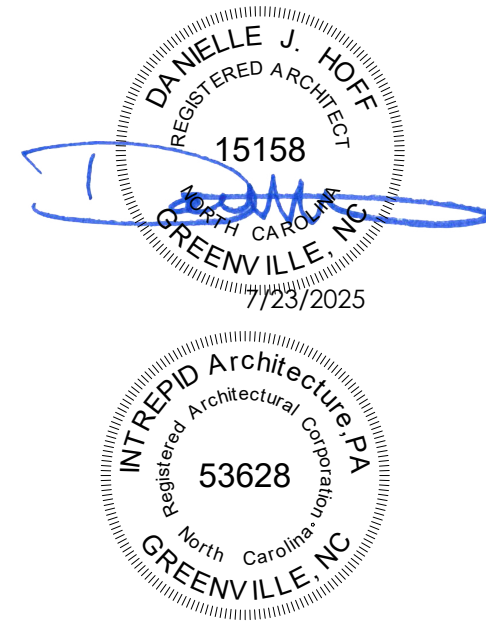
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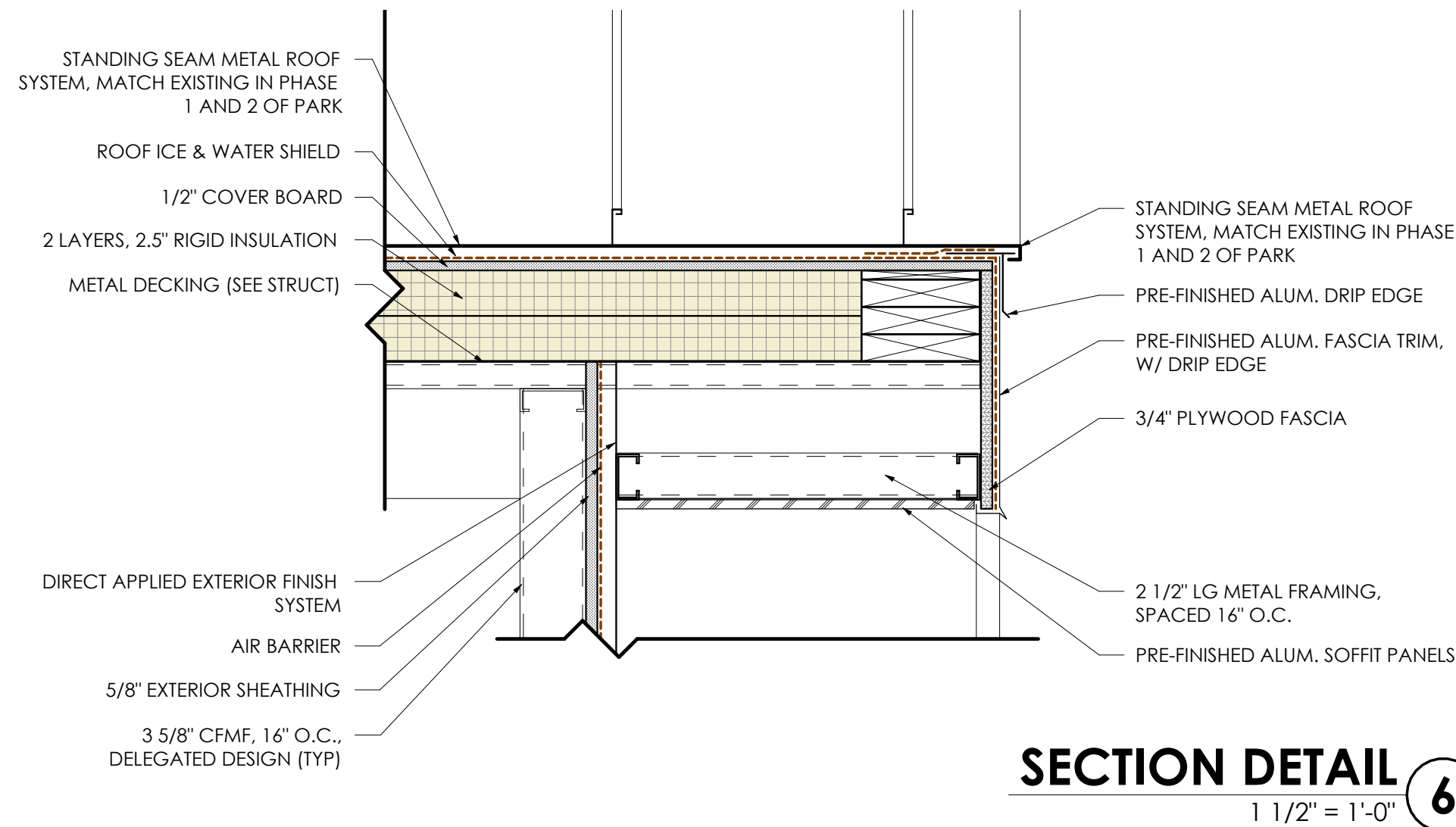
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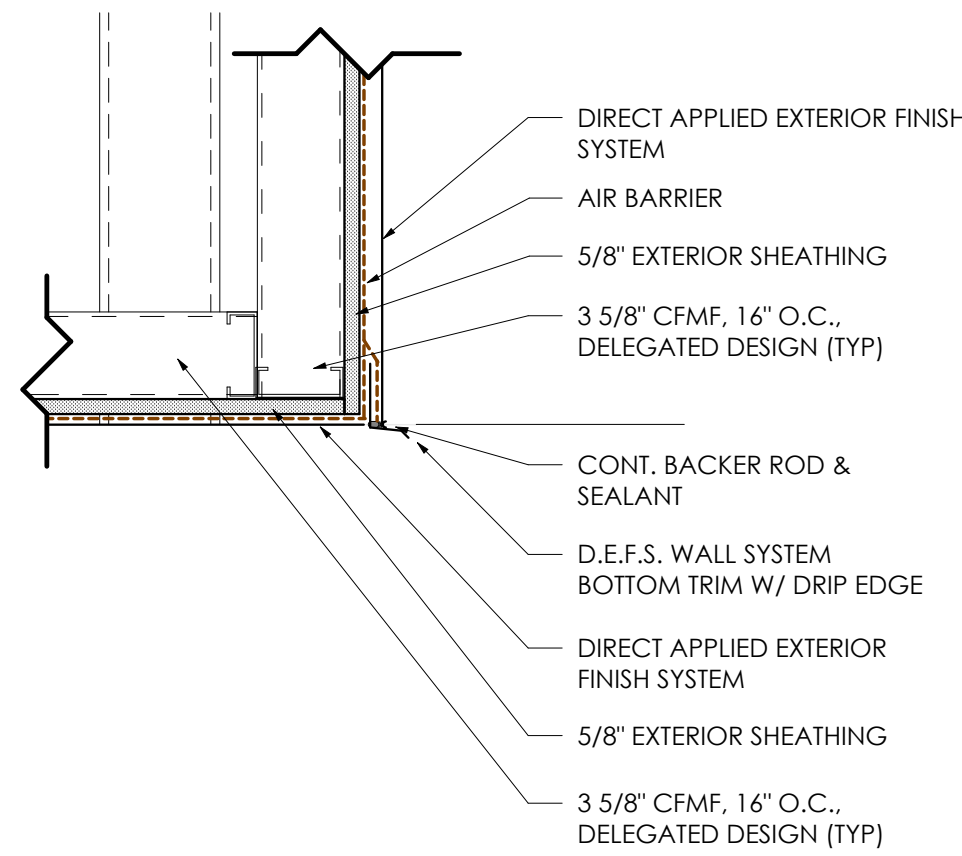
SHEET NAME & NUMBER

WALL SECTIONS & SECTION DETAILS

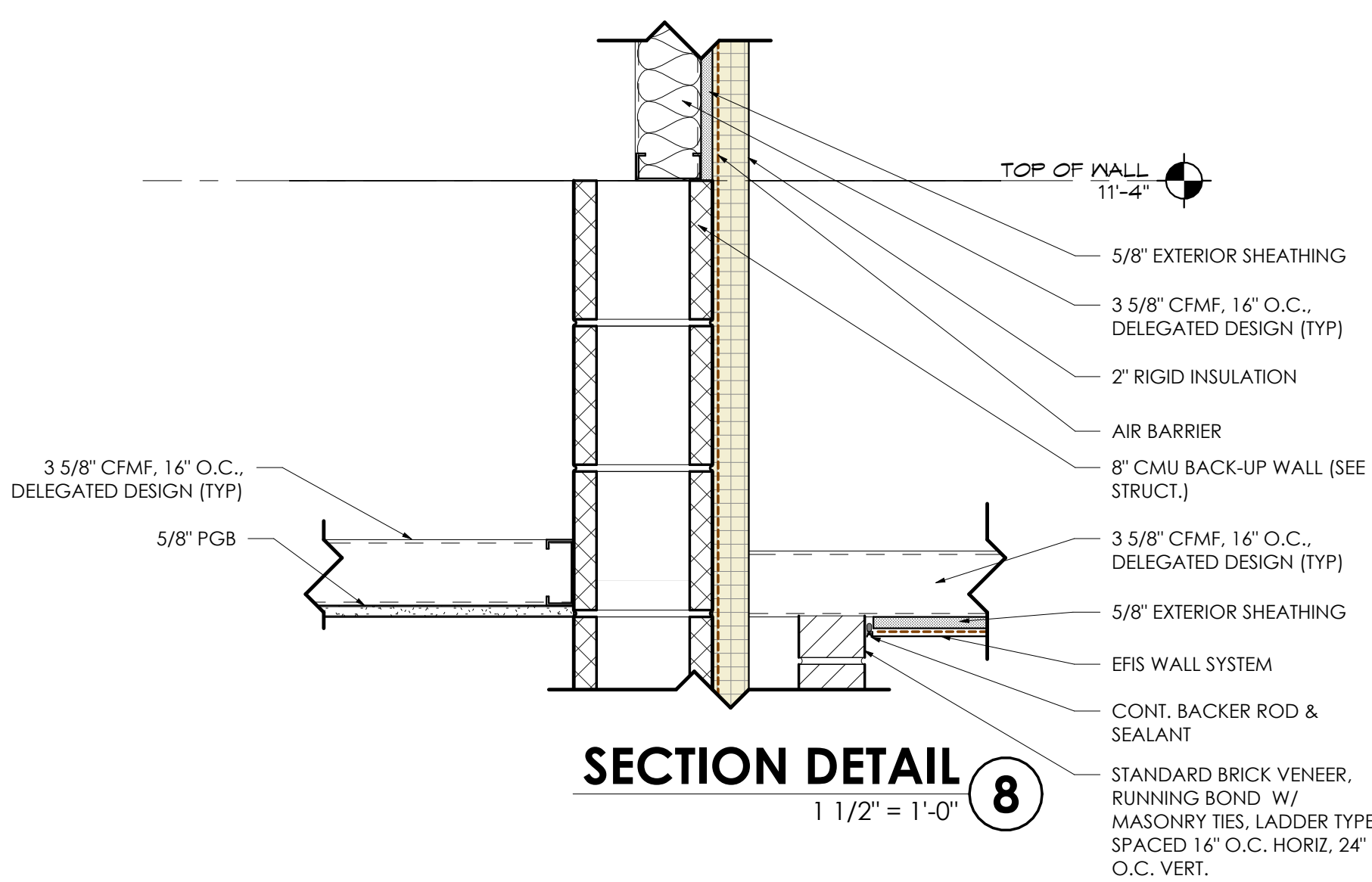
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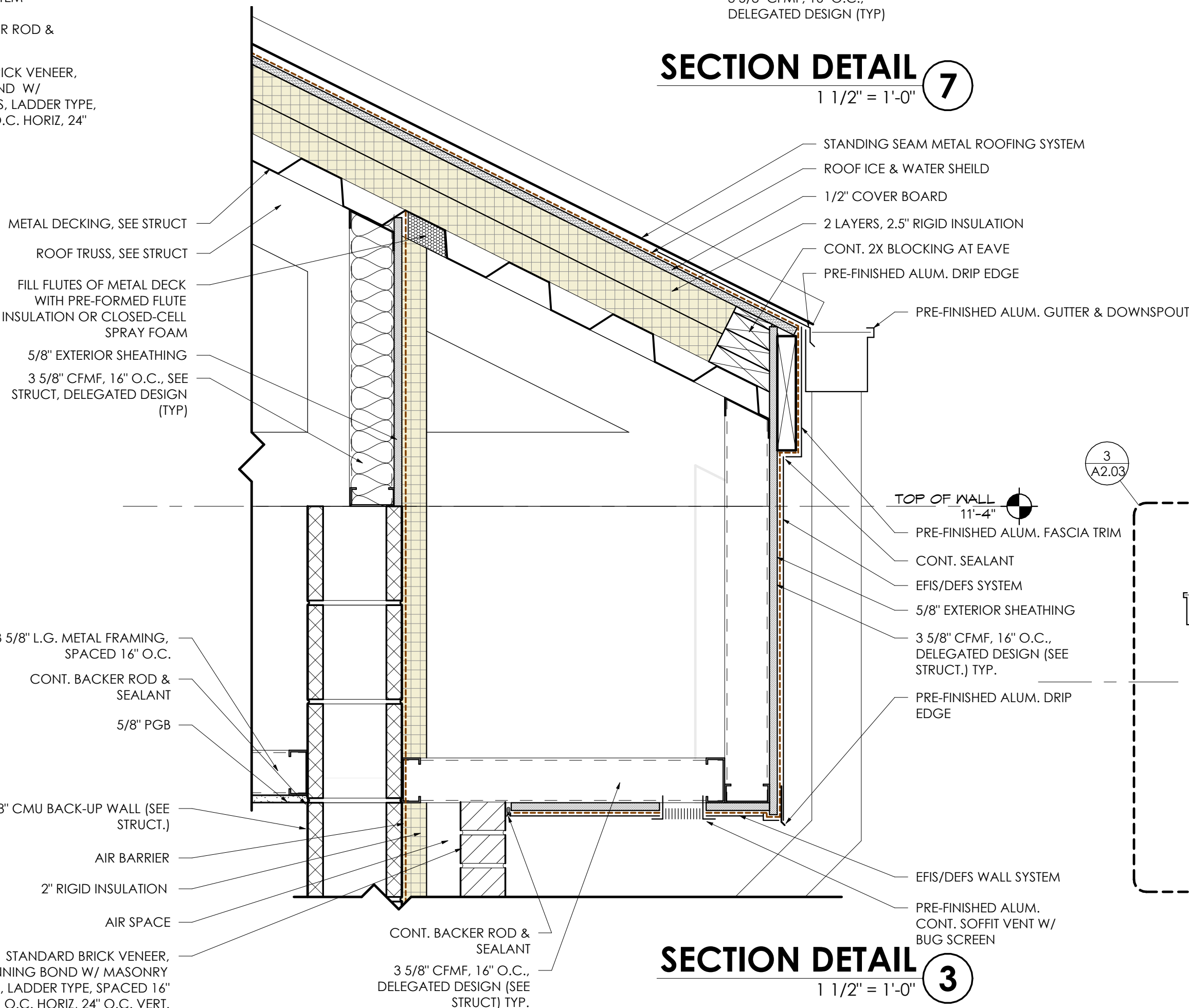
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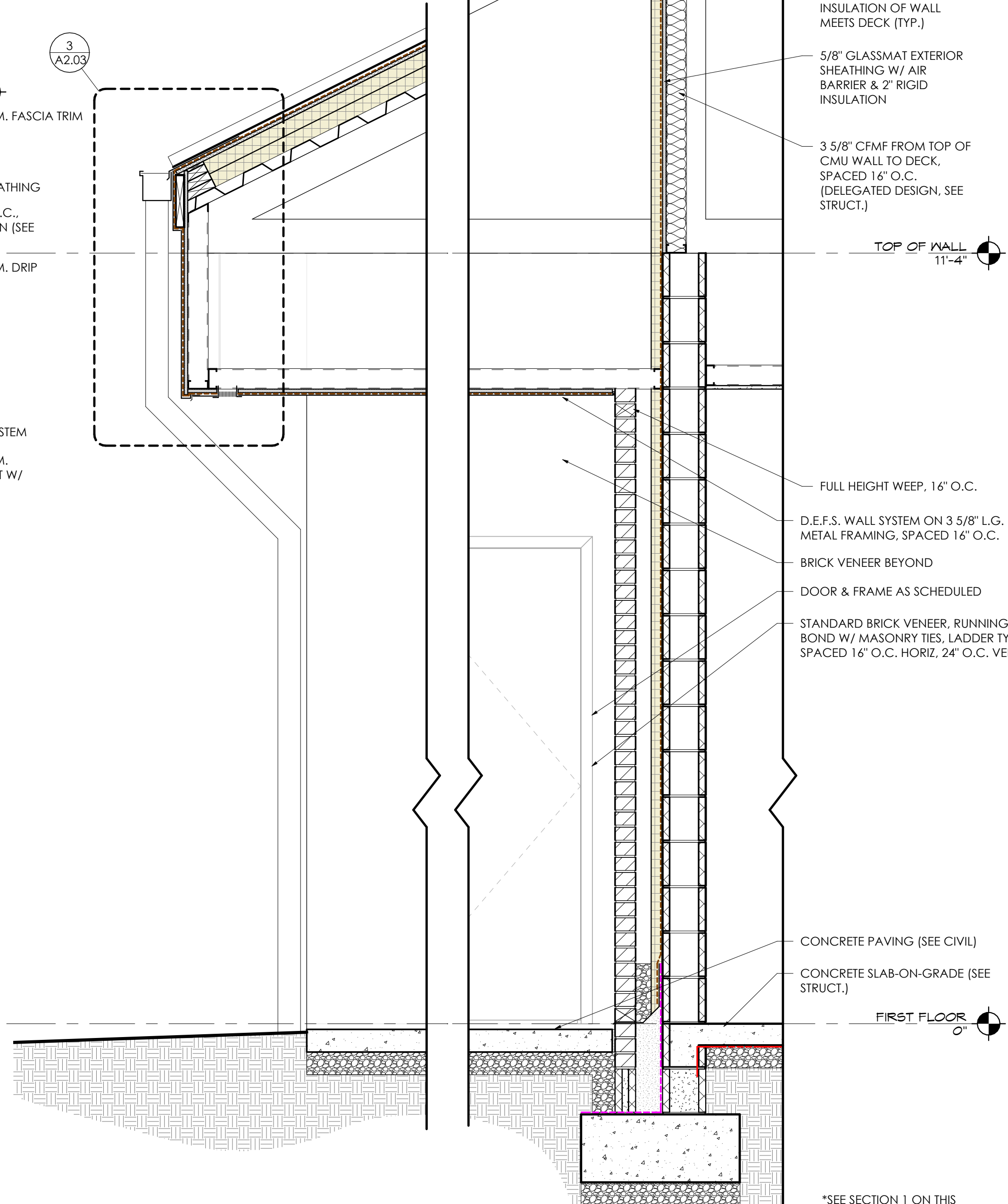
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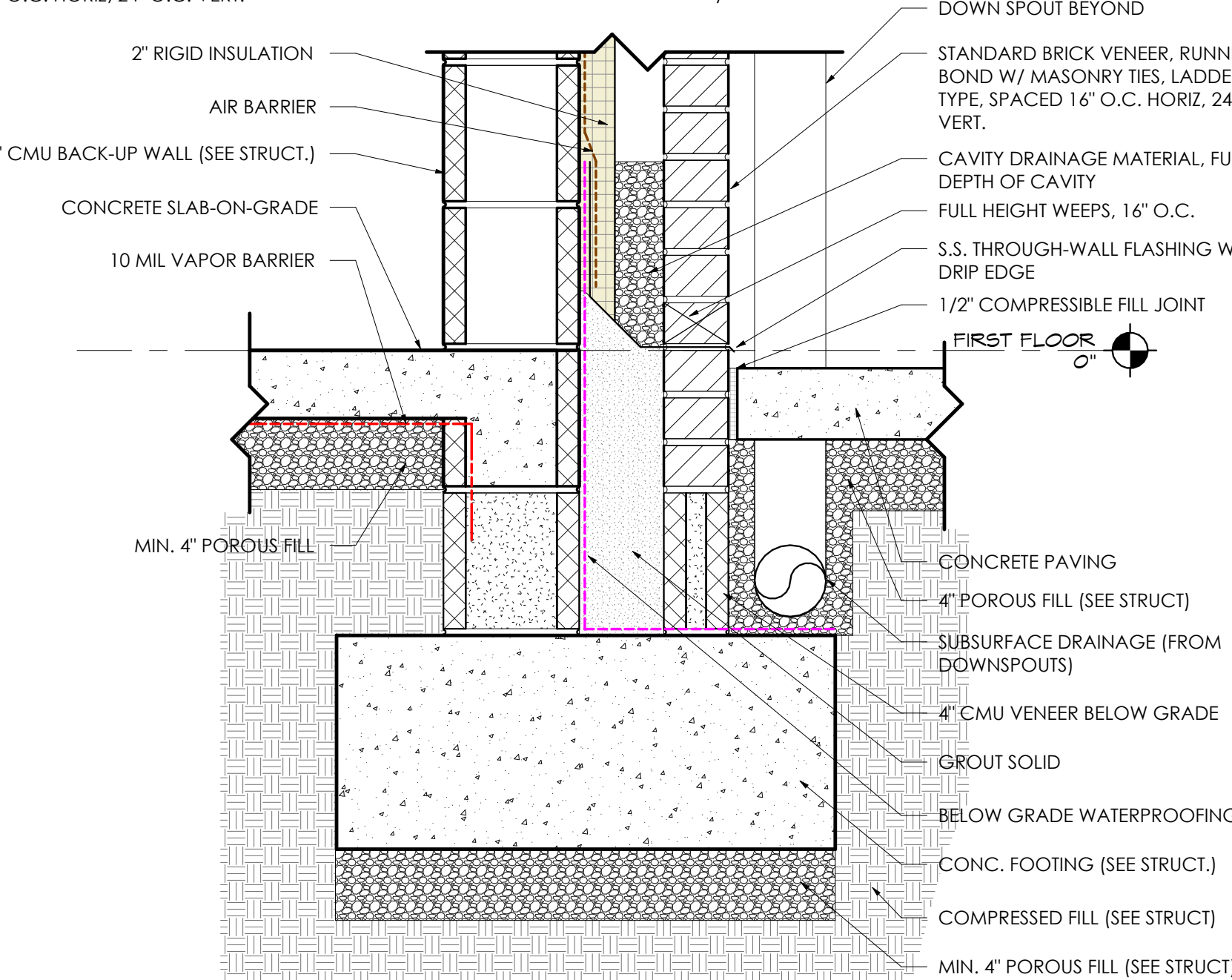
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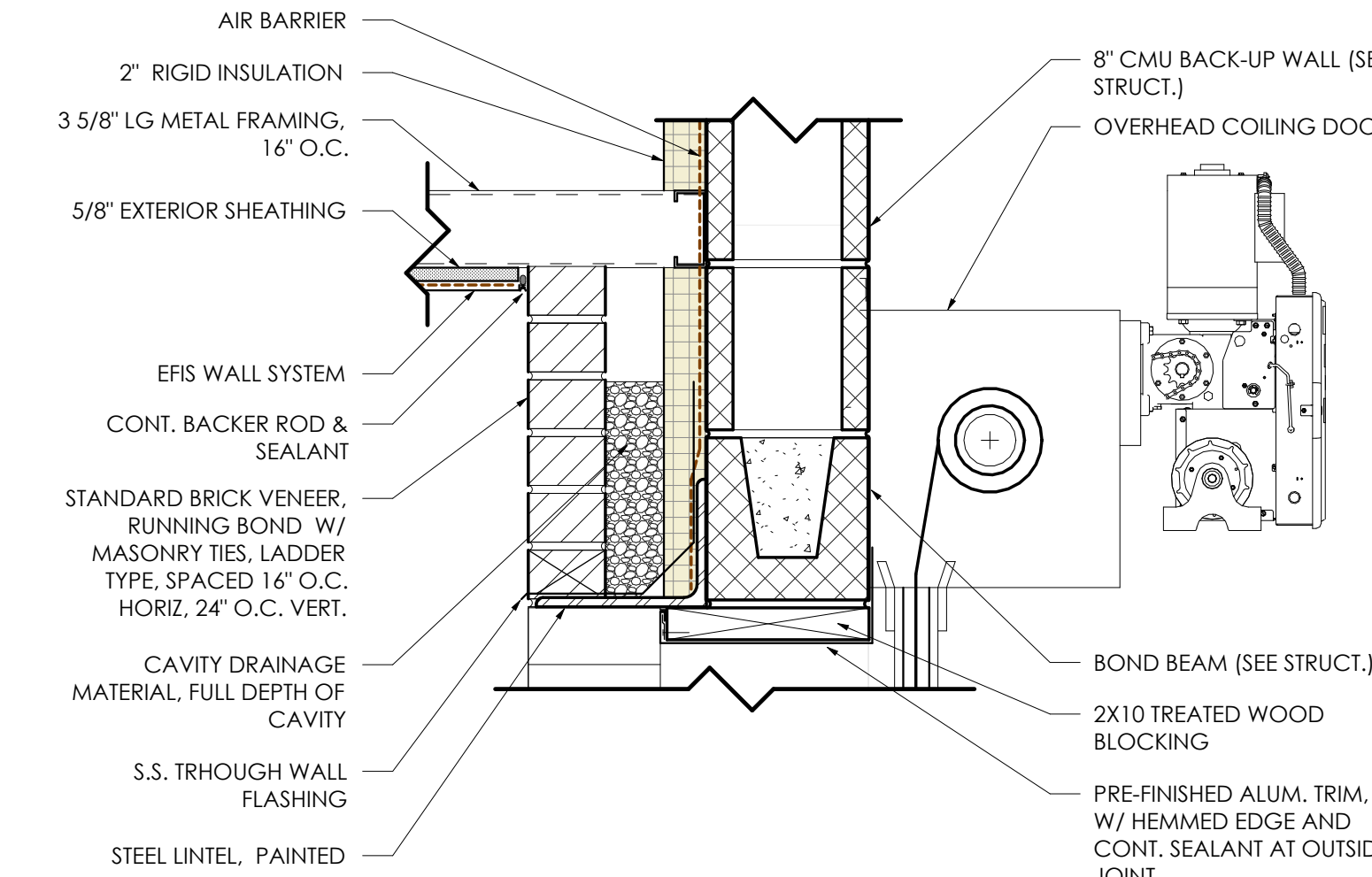
SECTION DETAIL 3
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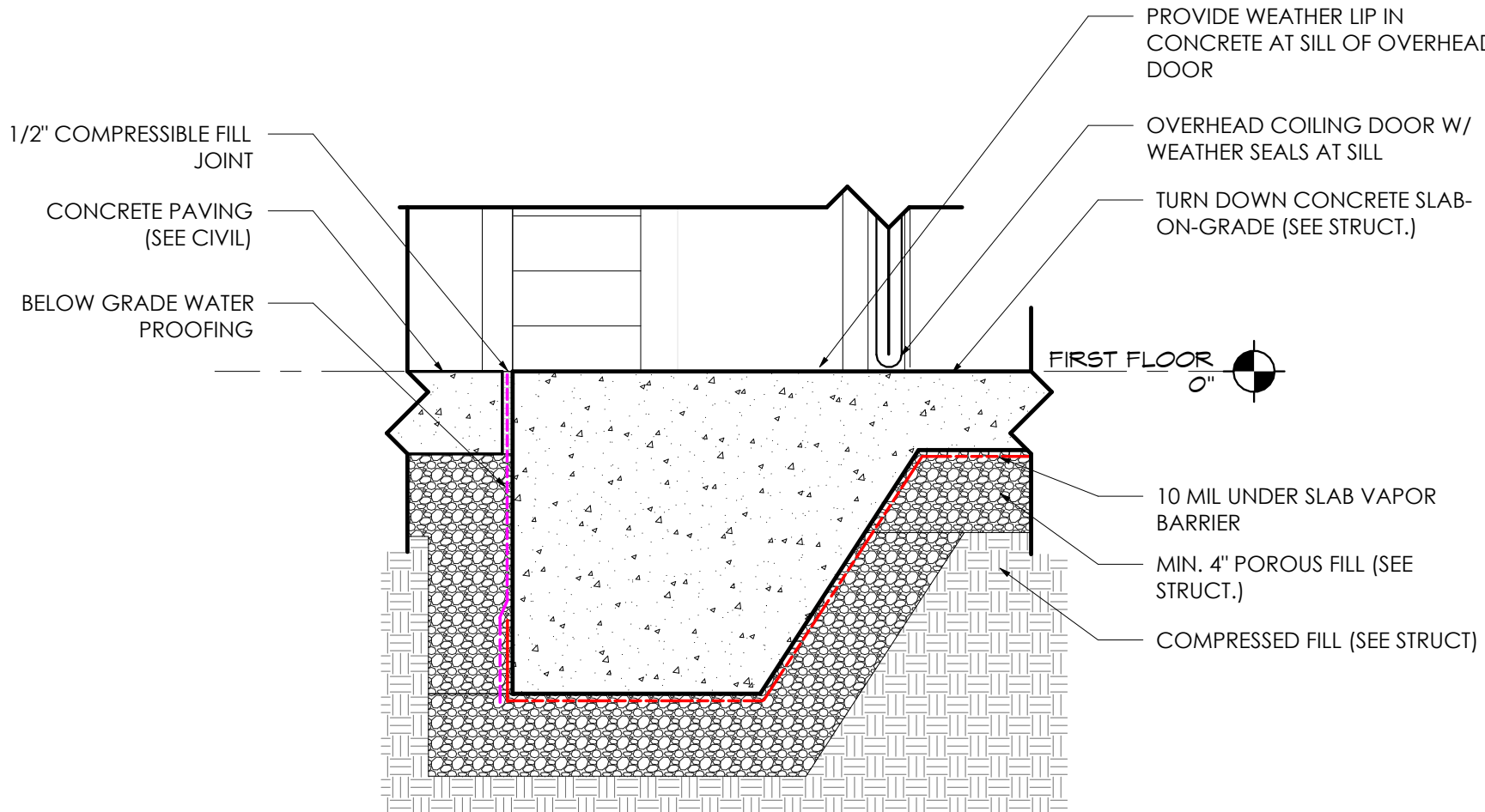
WALL SECTION 1
3/4" = 1'-0"



SECTION DETAIL 2
1 1/2" = 1'-0"



SECTION DETAIL 5
1 1/2" = 1'-0"



SECTION DETAIL 4
1 1/2" = 1'-0"



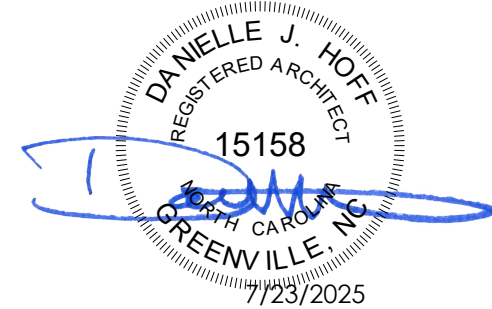
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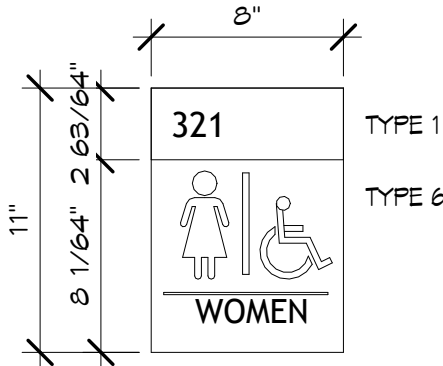
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CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER

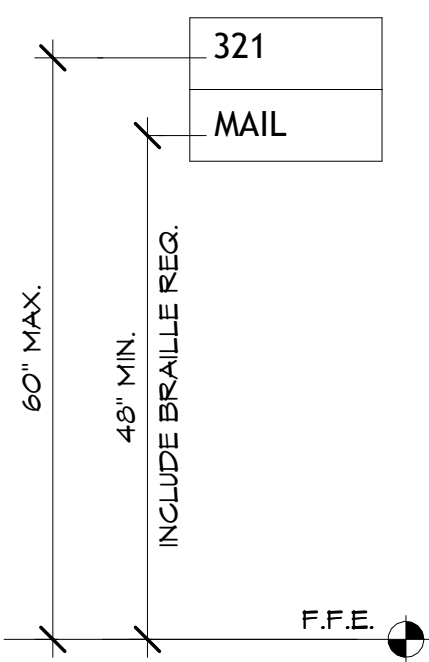
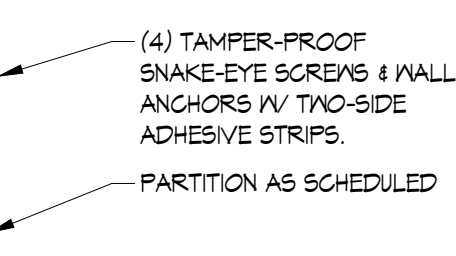
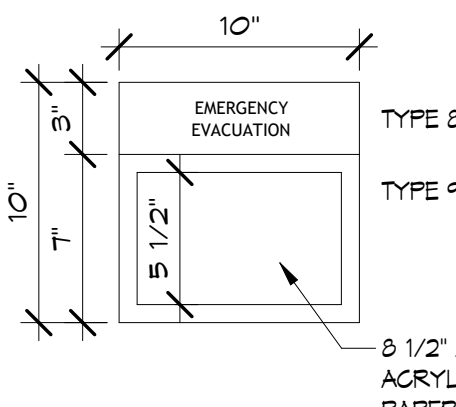
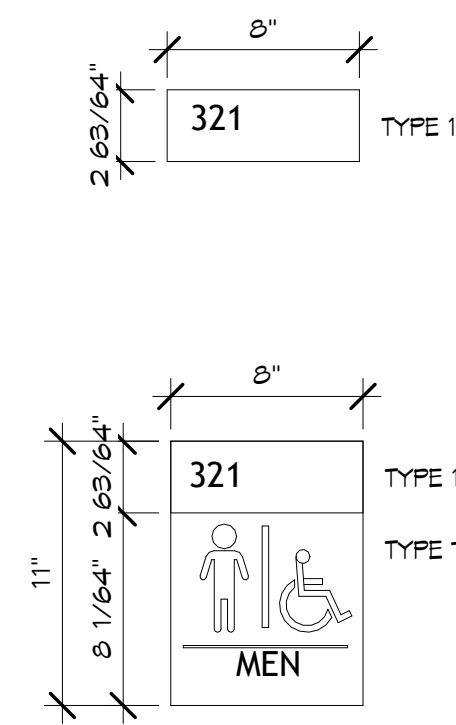
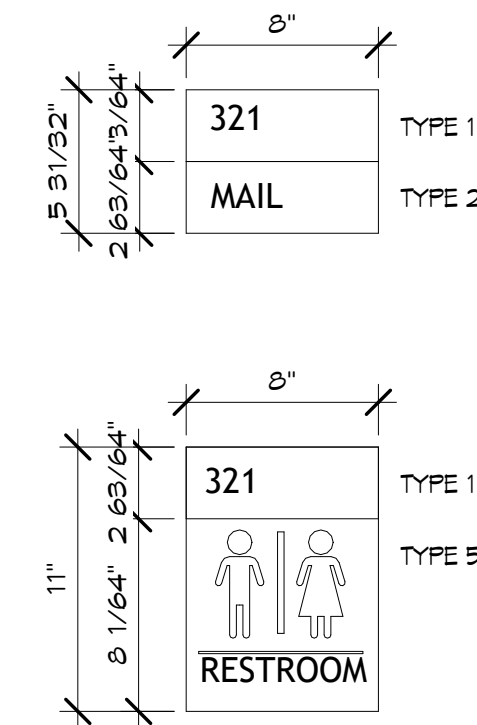
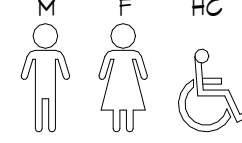
ADA MOUNTING HEIGHTS,
BATHROOM ELEVATIONS, &
SIGNAGE

A4.00

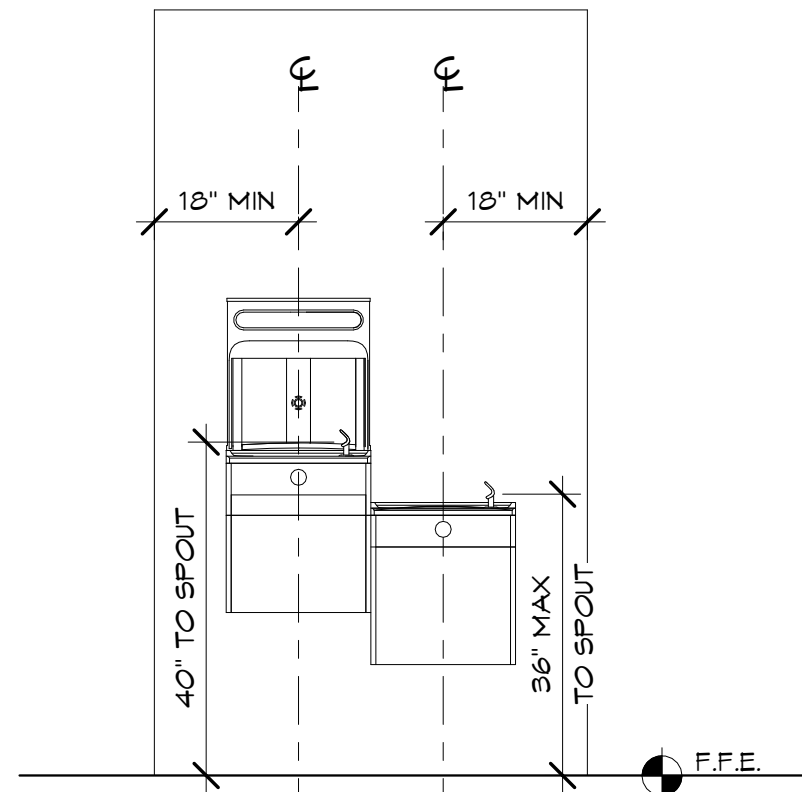
- GENERAL SIGN NOTES:
1. PROVIDE 2 SIGNS PER OPENING THROUGHOUT THE BUILDING. IF SIGN LOCATION IS ON GLASS, PROVIDE BLACK PANEL ON OPPOSITE SIDE OF GLASS TO CONCEAL ATTACHMENTS.
 2. ALL SIGNS TYPES SHALL HAVE ADA COMPLIANT BRAIL TO ACCOMPANY SYMBOLS AND LETTERINGS.
 3. ALL SIGN COPY SHALL MATCH ROOM NAME AS SHOWN ON THE FLOOR PLANS. G.C. RESPONSIBLE FOR SIGN SCHEDULE SUBMITTAL. ALL SIGN COPY SHALL BE REVIEWED AND APPROVED BY THE OWNER AND ARCHITECT PRIOR TO FABRICATION.
 4. ALL RESTROOMS SHALL USE SIGN TYPES 5, 6, OR 7 AS APPROPRIATE IN ADDITION TO TYPE 1 AS INDICATED IN THE ILLUSTRATION ABOVE.
 5. ALL SIGNS TO HAVE ADA COMPLIANT BRAIL MATCHING THE CONTENT OF THE SIGN.



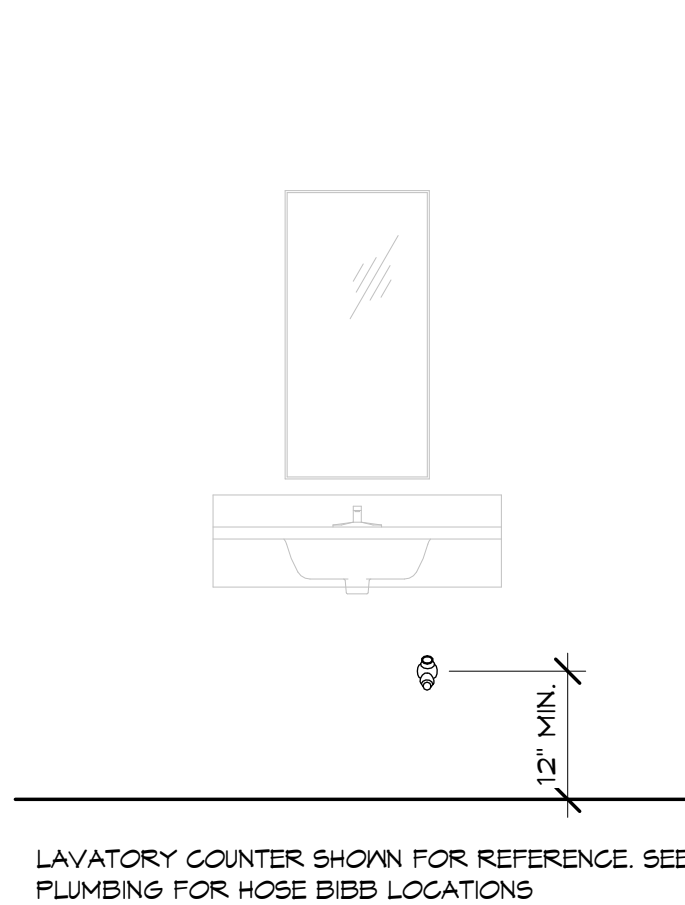
SYMBOLS:



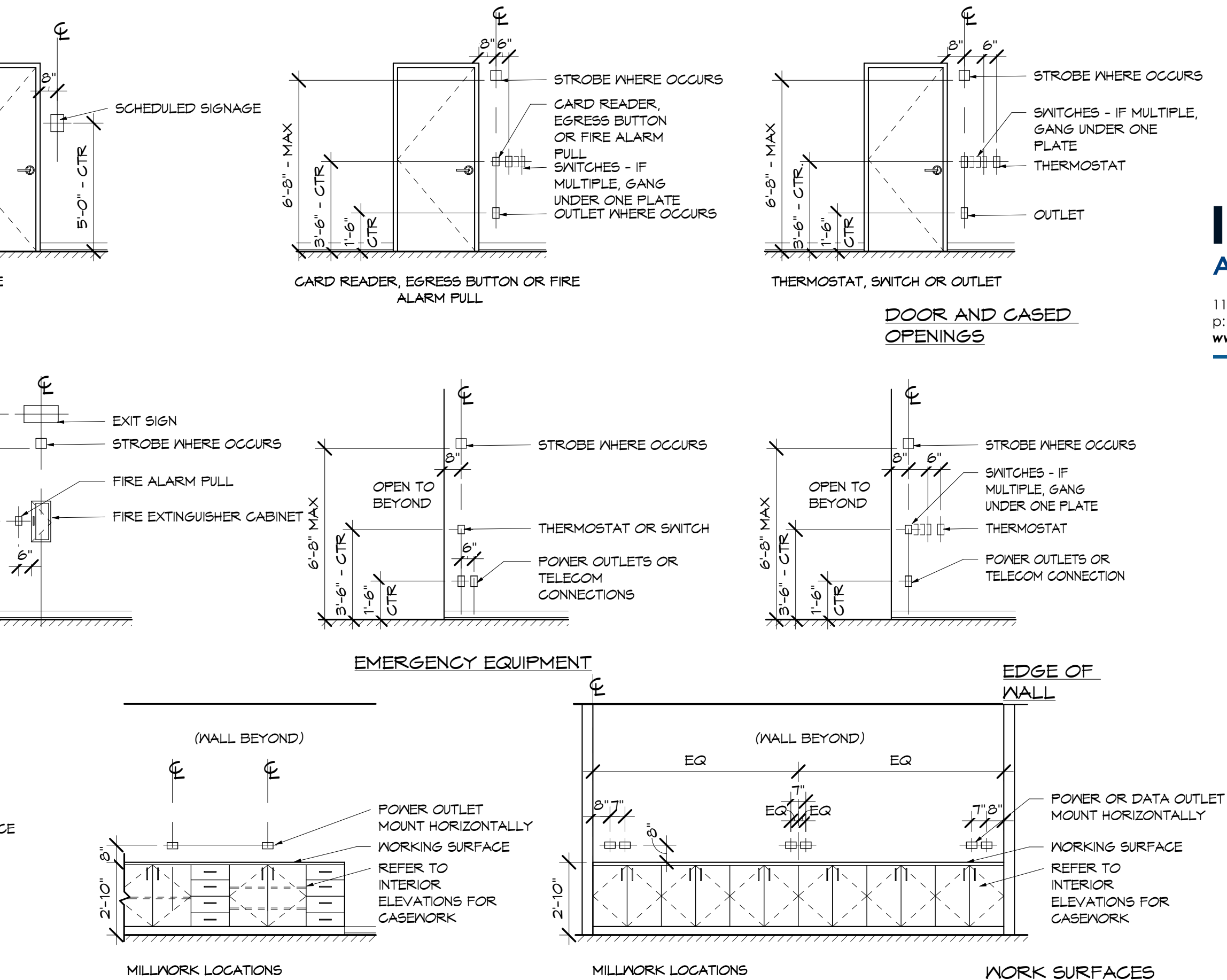
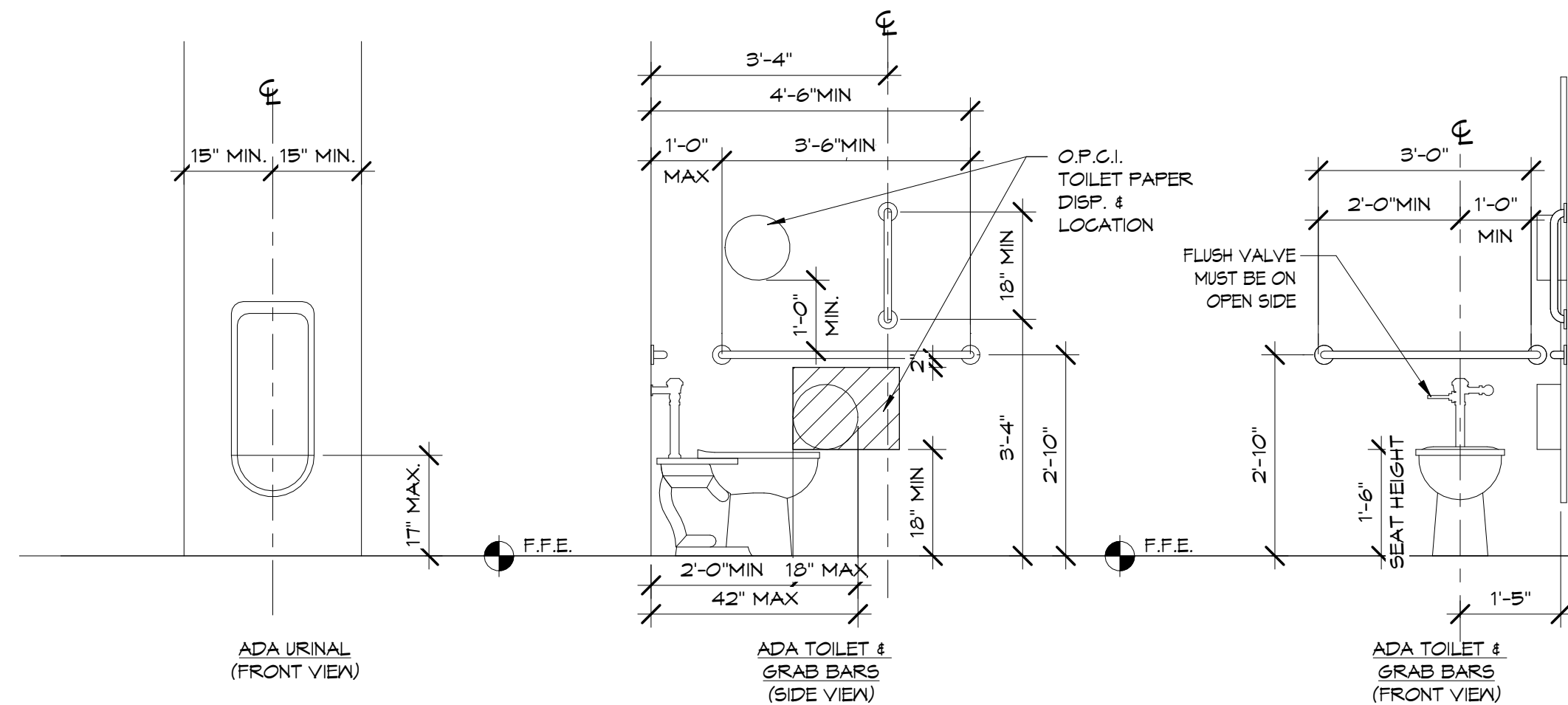
SIGN TYPES ⑥
1 1/2" = 1'-0"



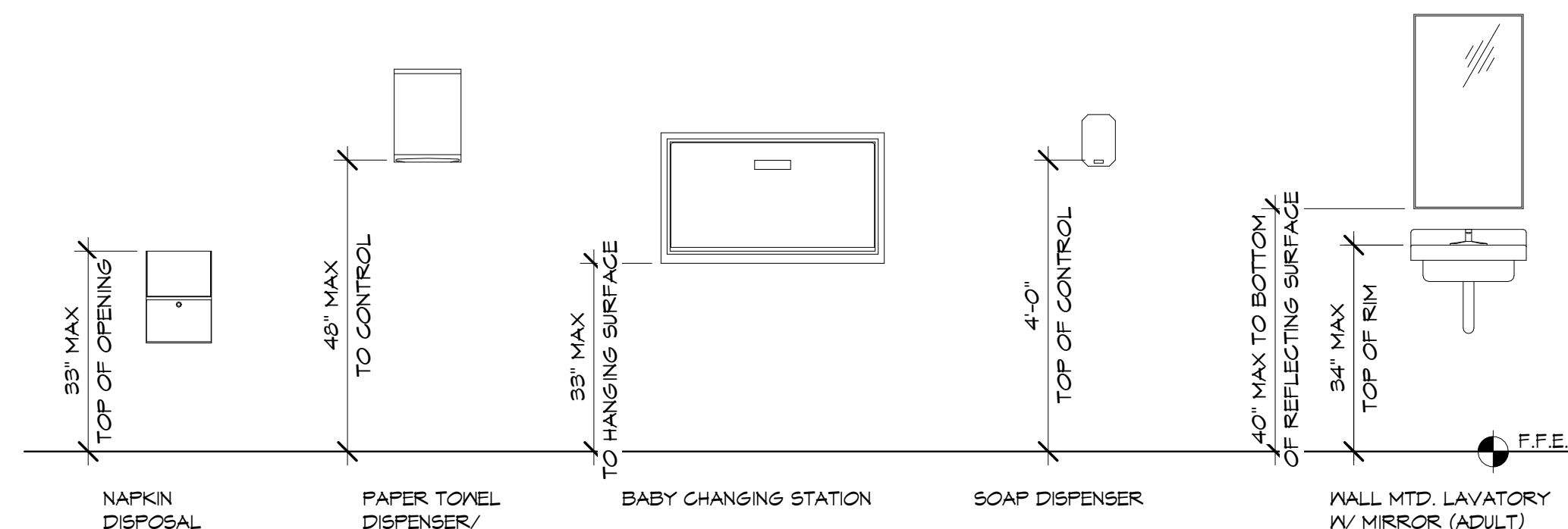
TYP. DRINKING FOUNTAIN MOUNTING HEIGHTS & CLEARANCES ②
1/2" = 1'-0"



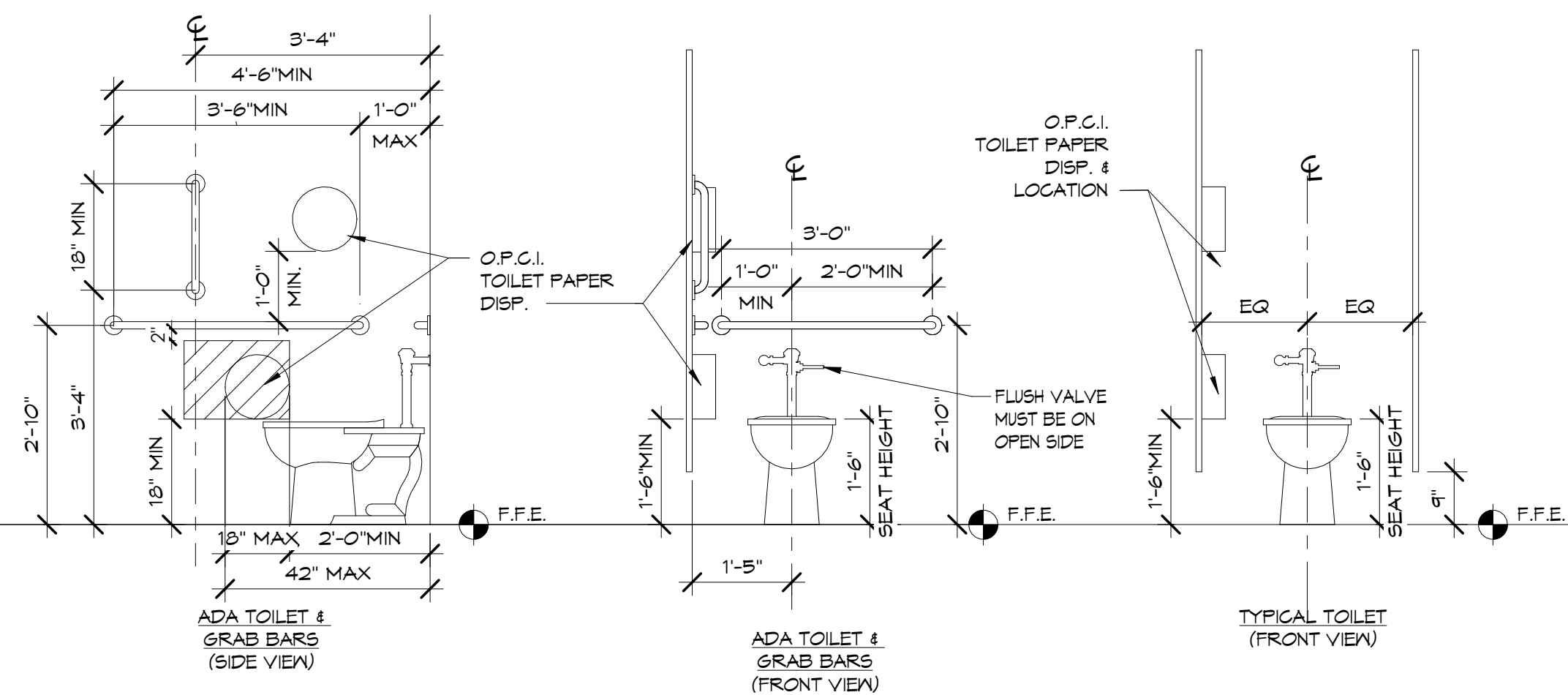
TYP. HOSE BIBB MOUNTING HEIGHT ③
1/2" = 1'-0"



TYP. MOUNTING HEIGHTS & CLEARANCES ⑦
1/4" = 1'-0"



TYP. MOUNTING FIXTURE & ACCESSORY MOUNTING HEIGHTS & CLEARANCES ④
1/2" = 1'-0"



TYP. RESTROOM FIXTURE & ACCESSORY MOUNTING HEIGHTS AND CLEARANCES ①
1/2" = 1'-0"



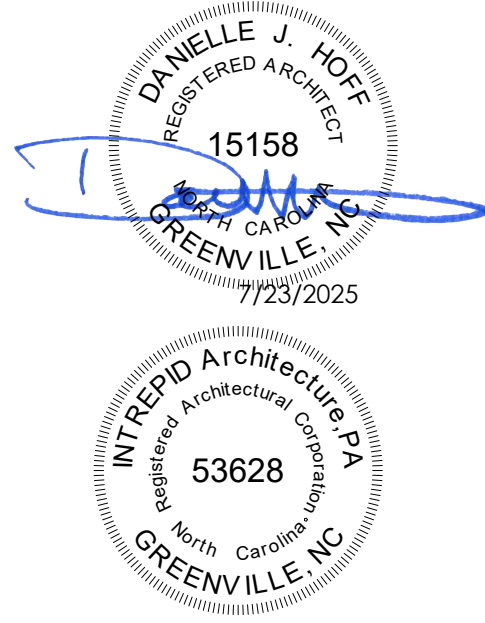
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CONCESSIONS / RESTROOM BUILDING

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BARCO, CURRITUCK COUNTY, NC 27971

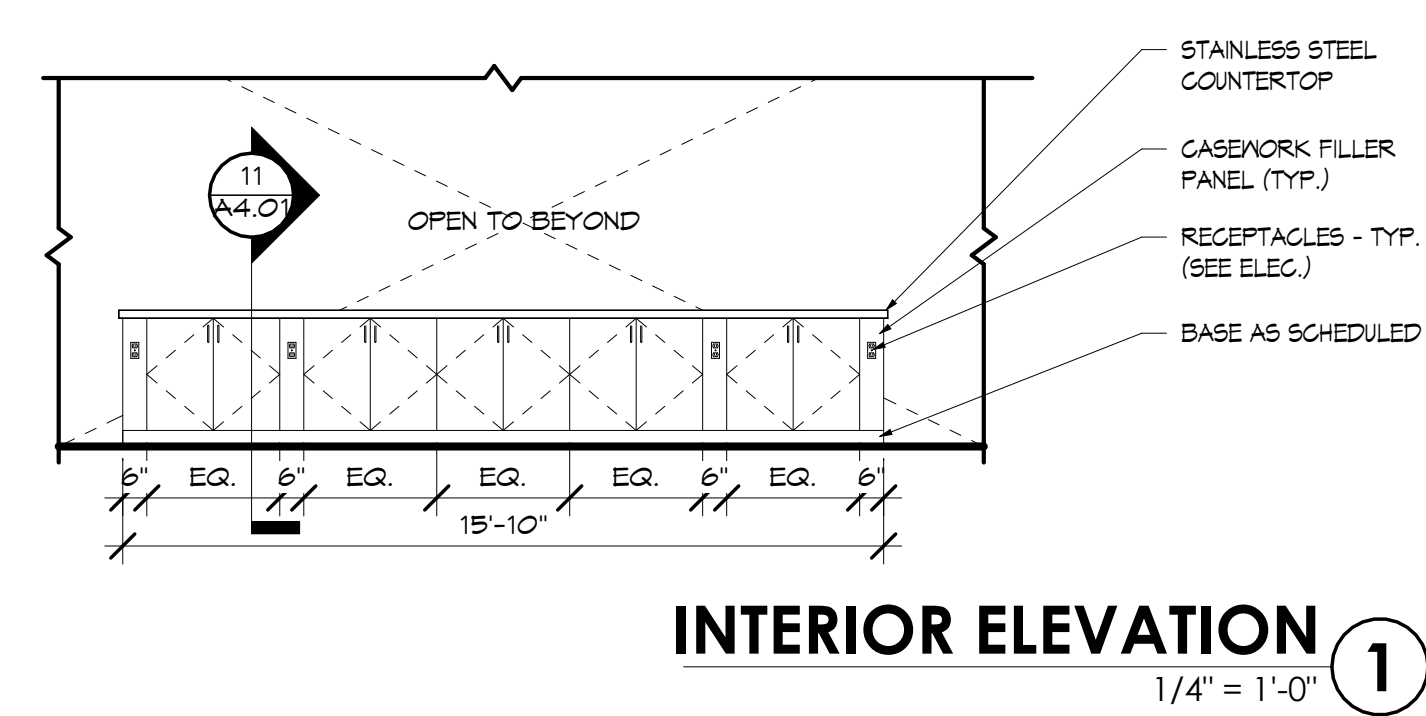
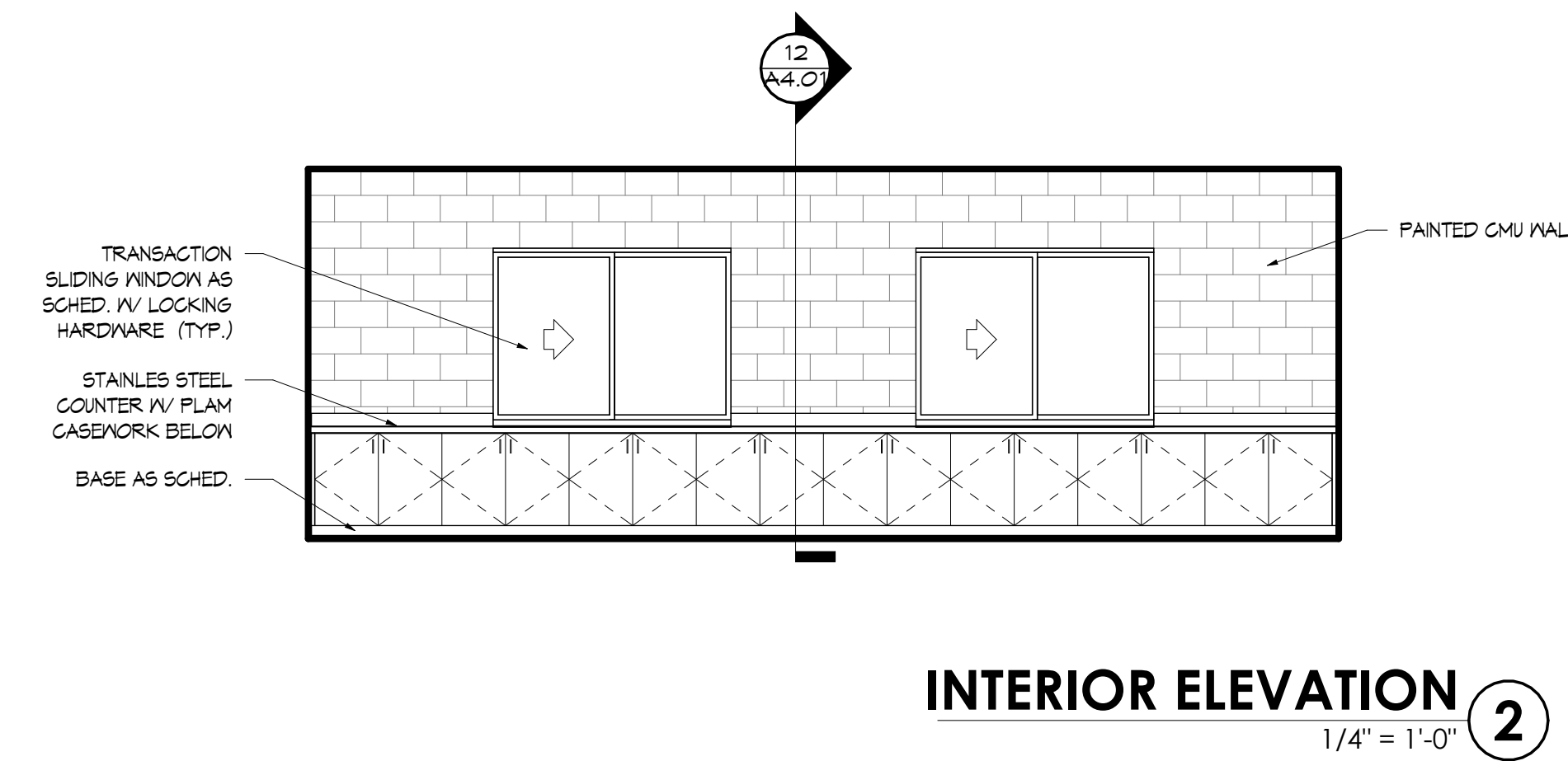
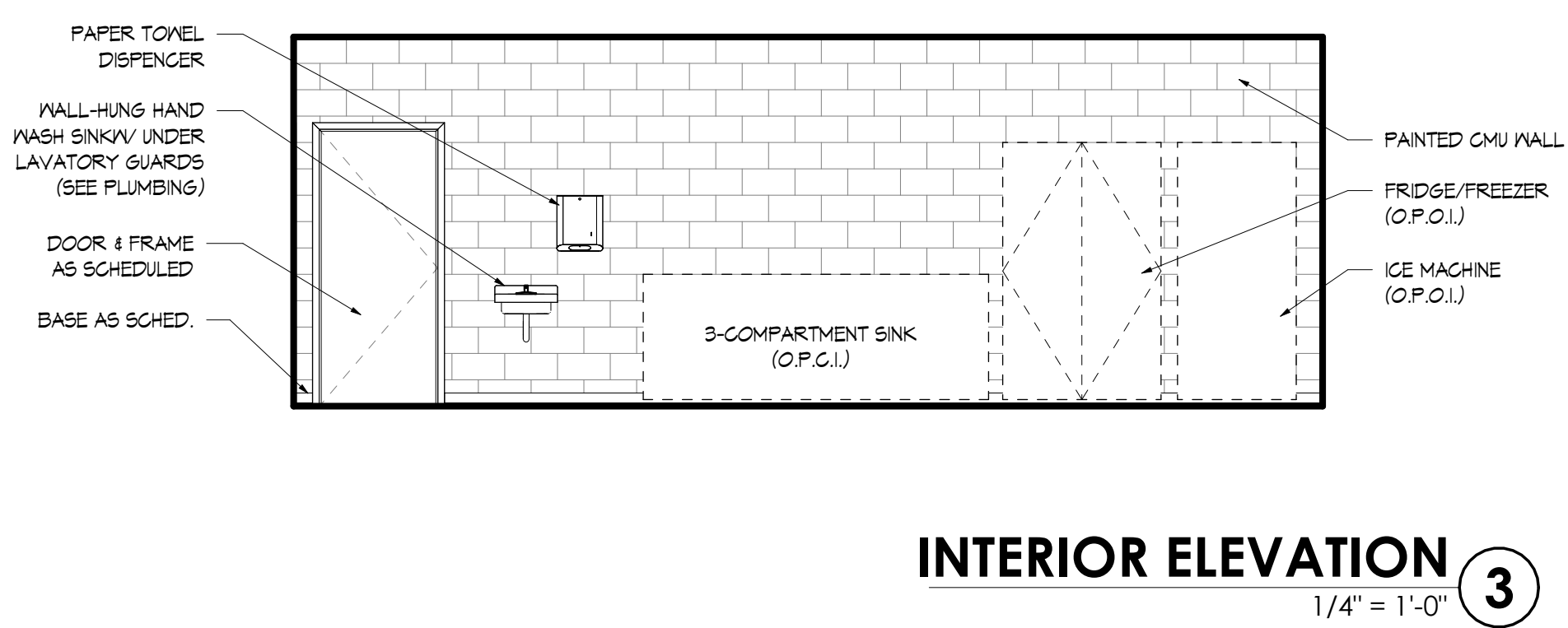
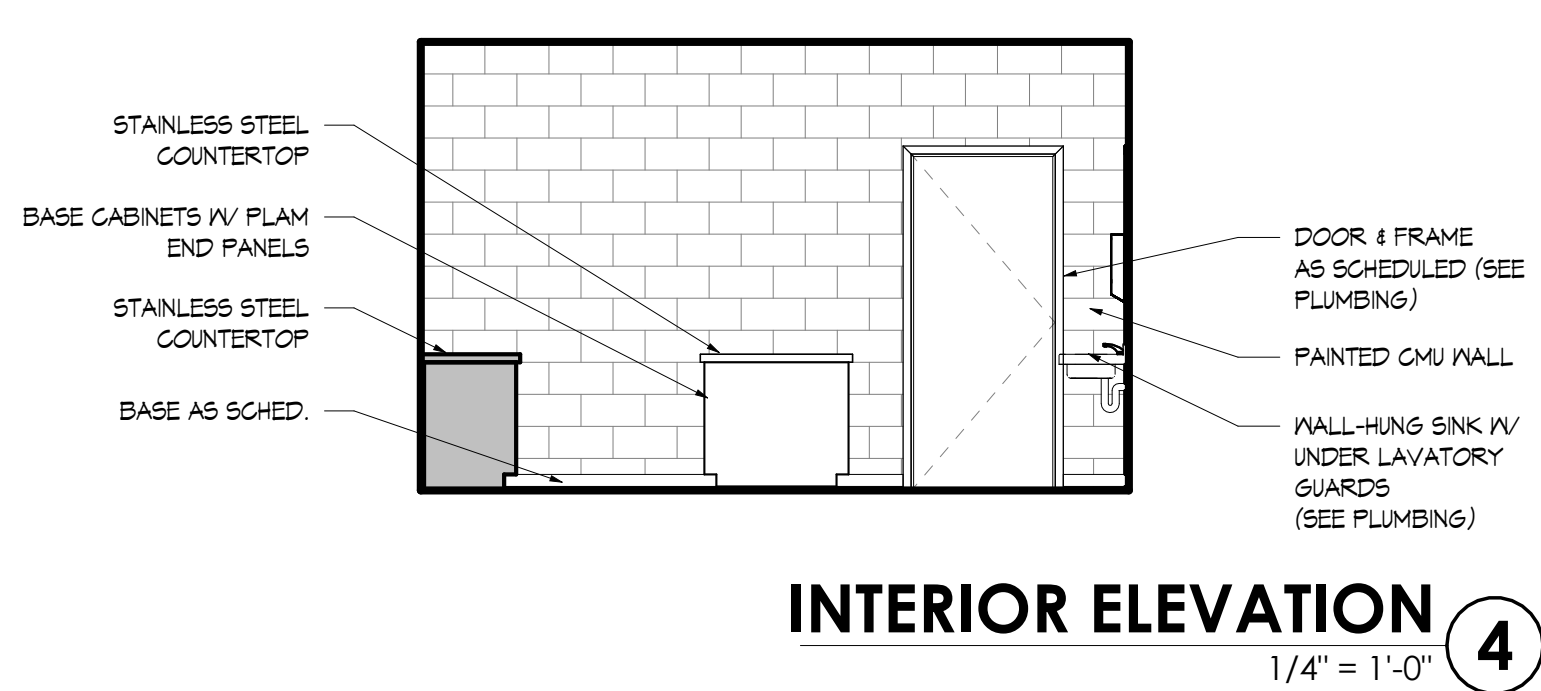
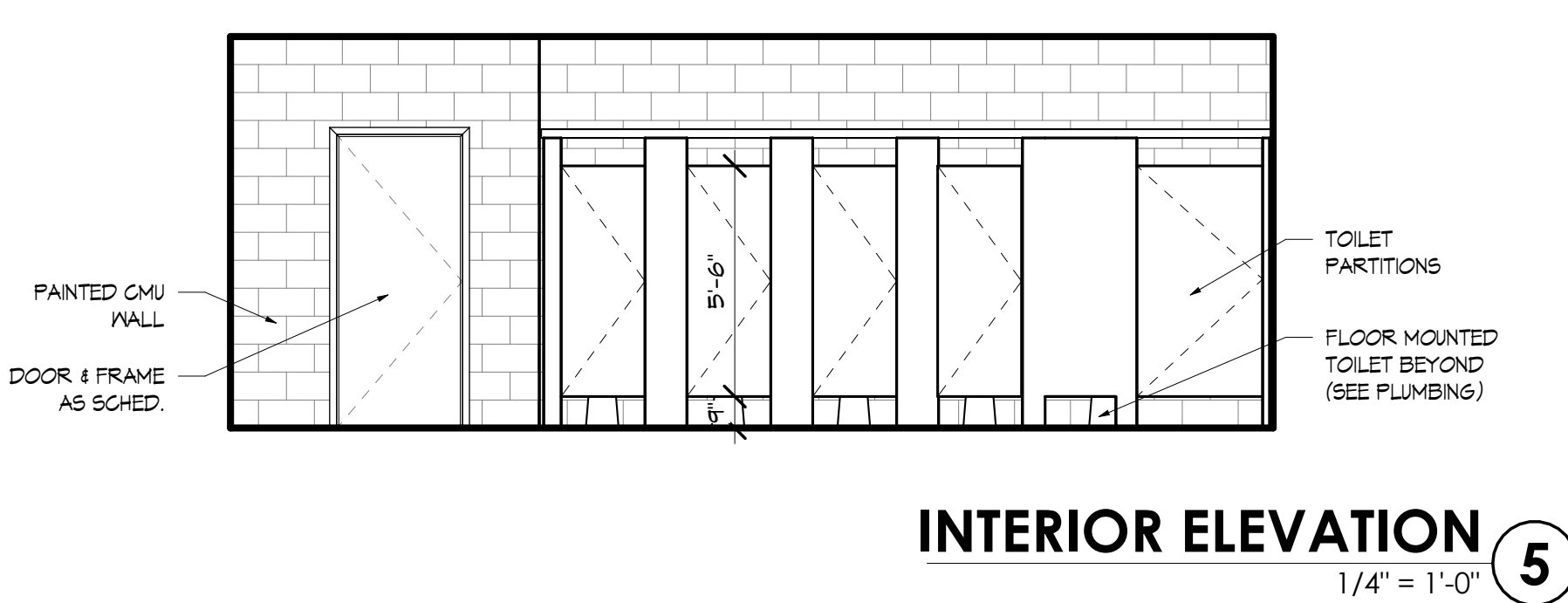
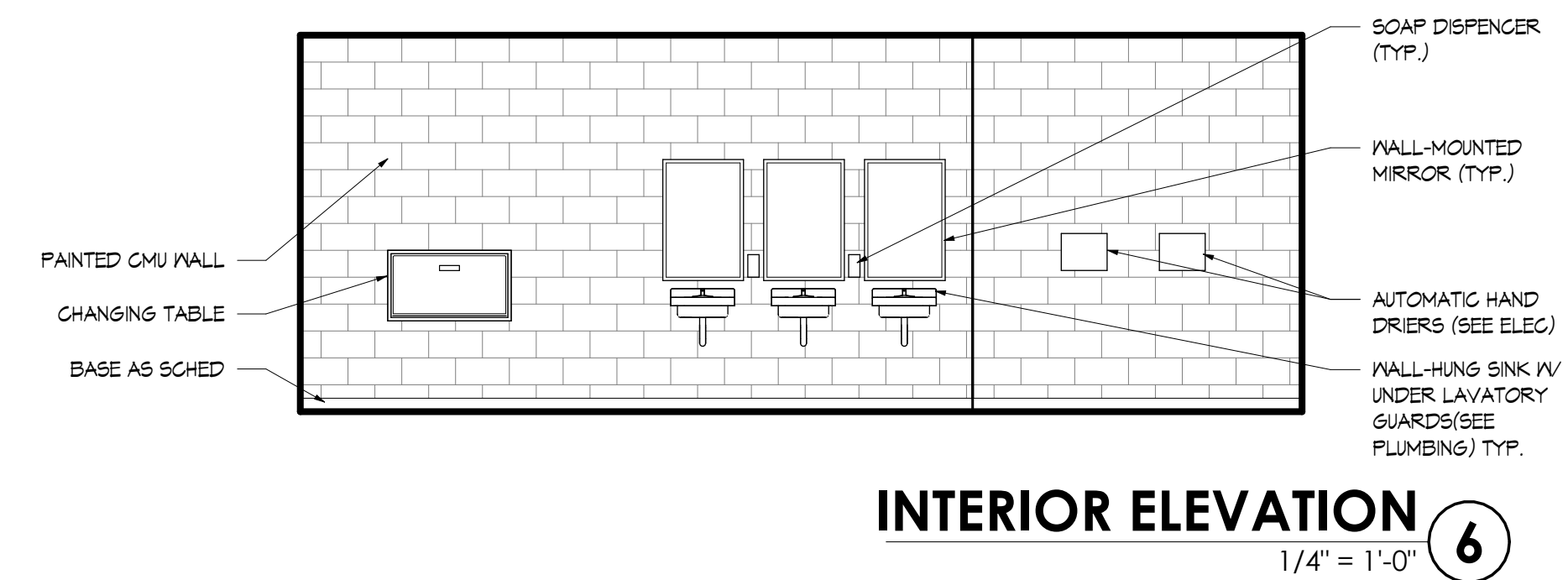
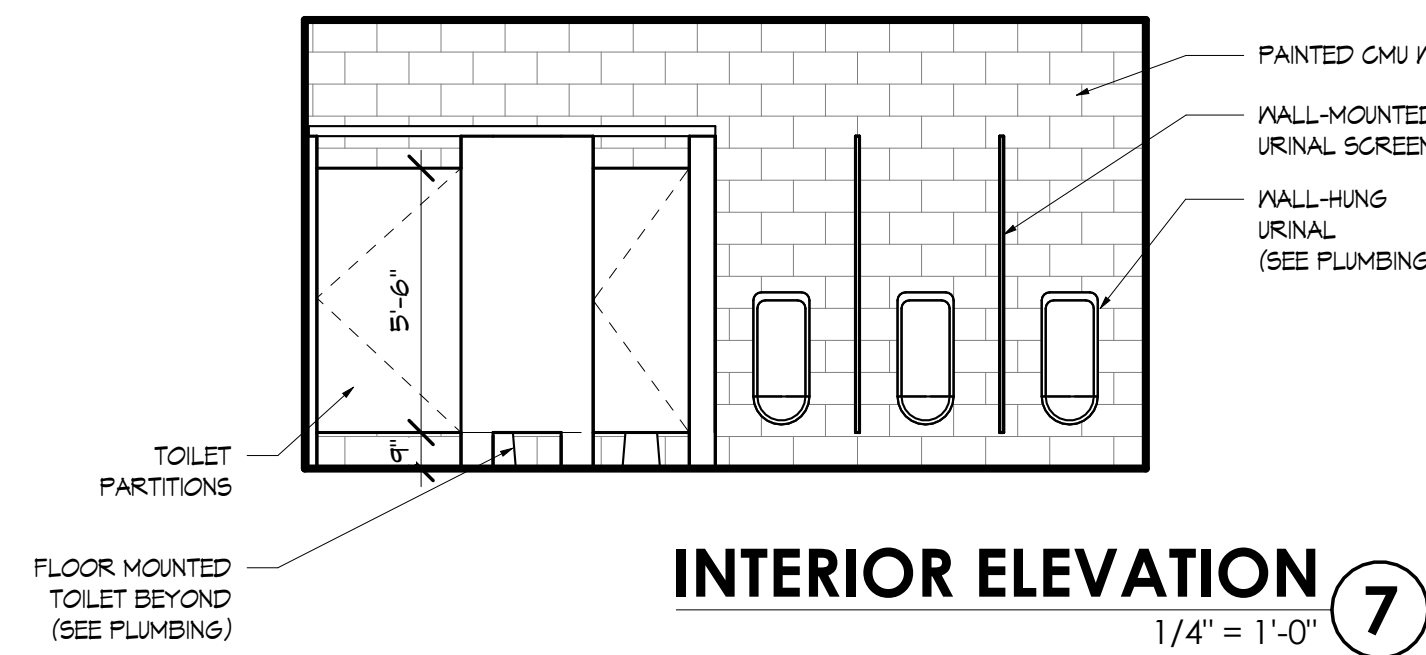
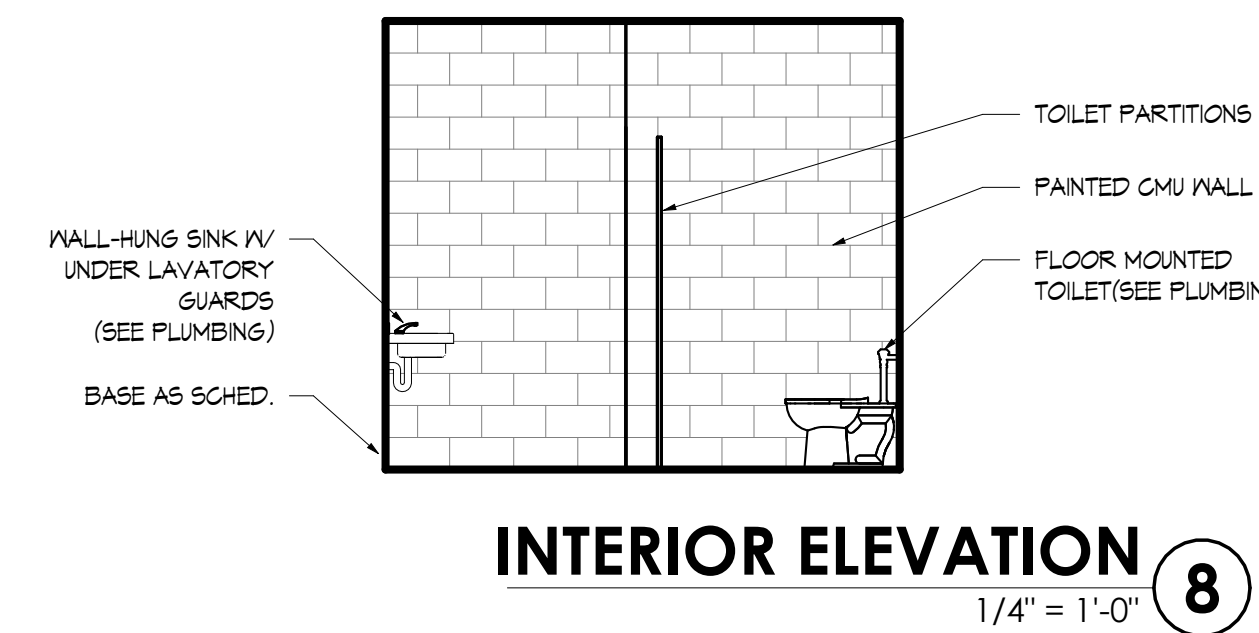
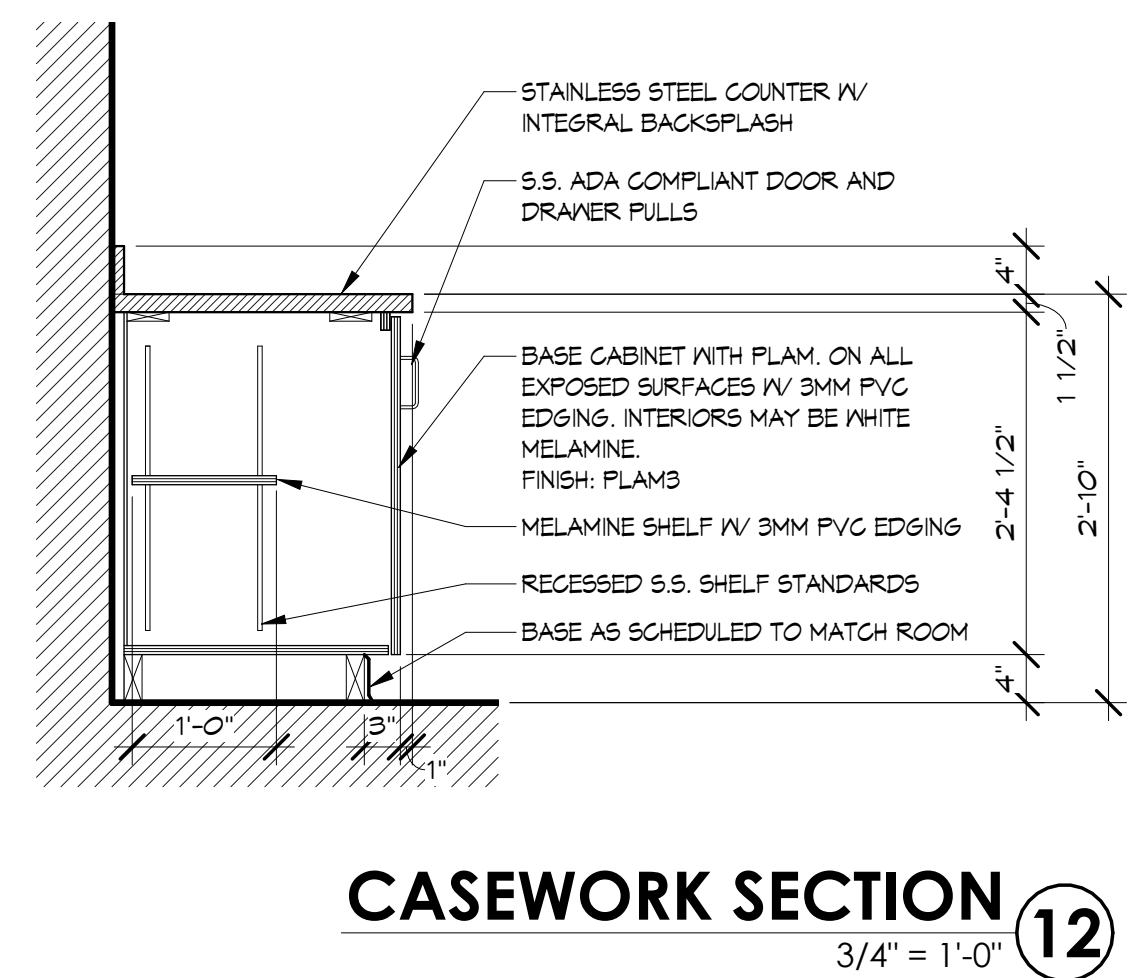
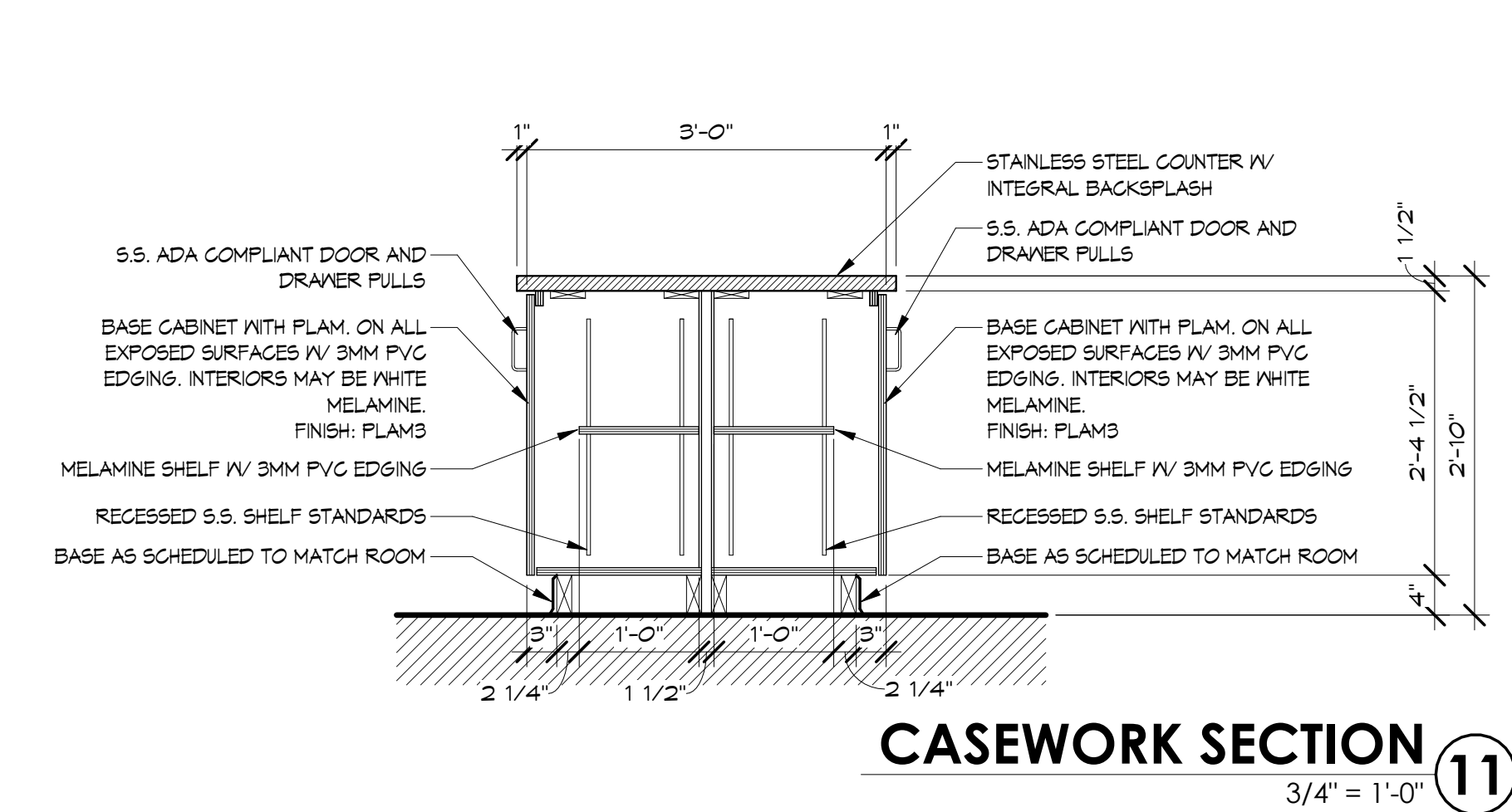
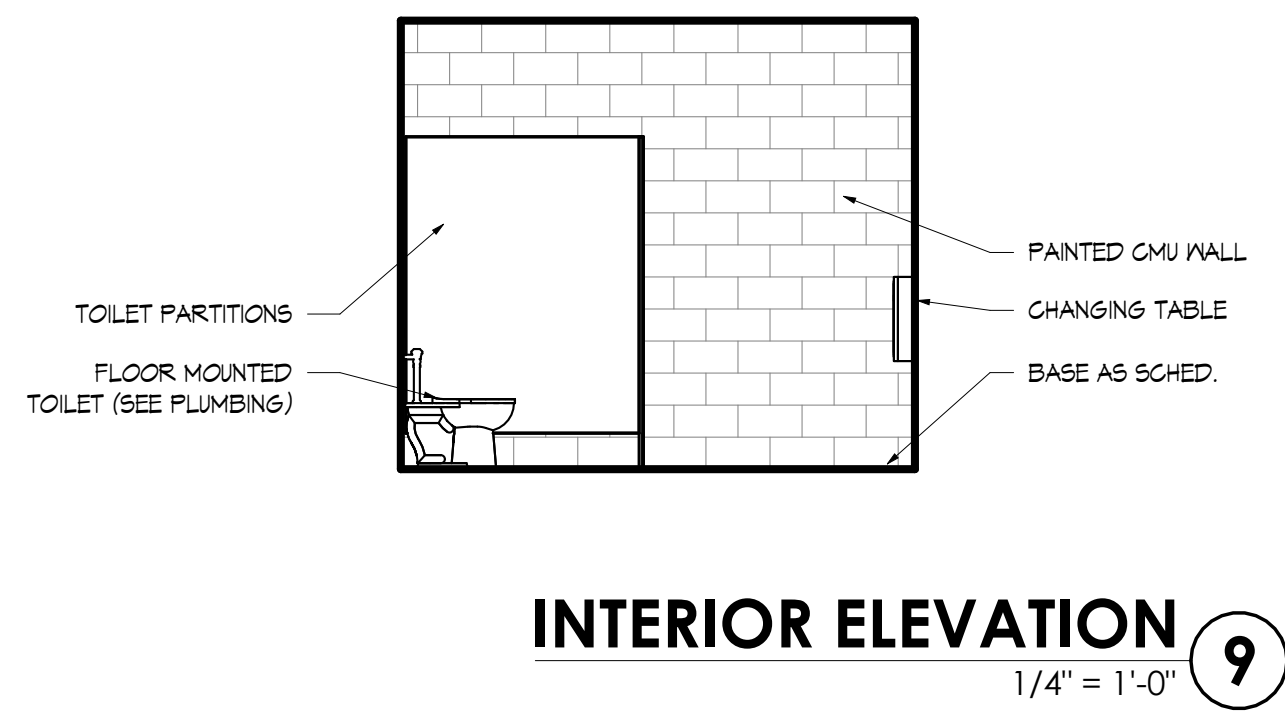
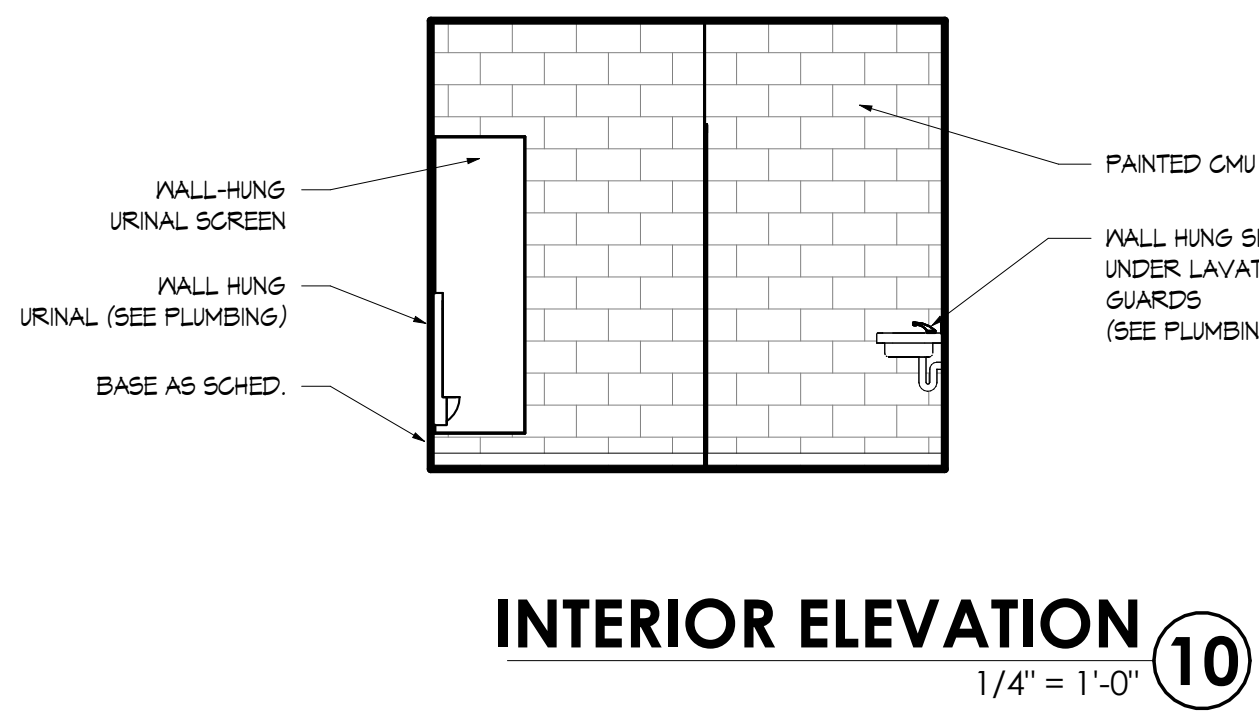
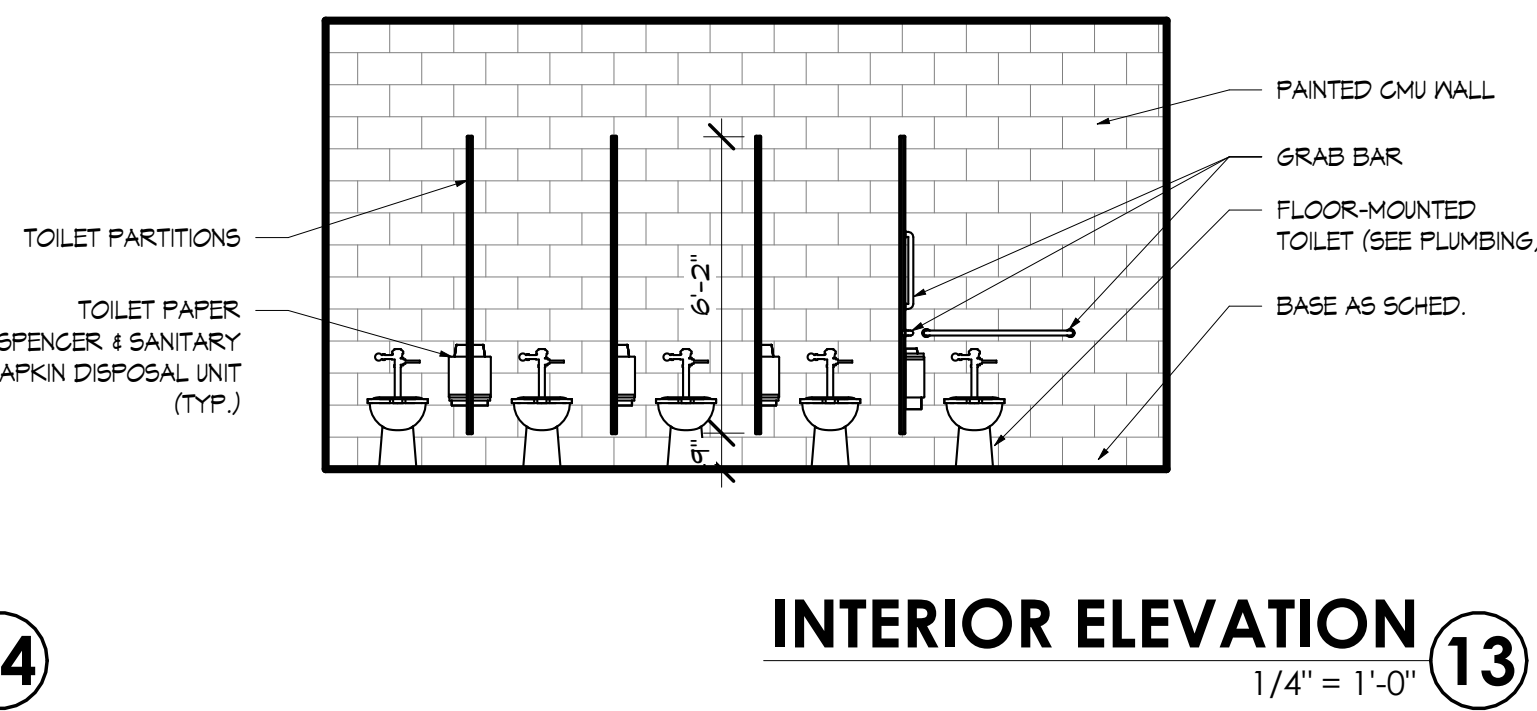
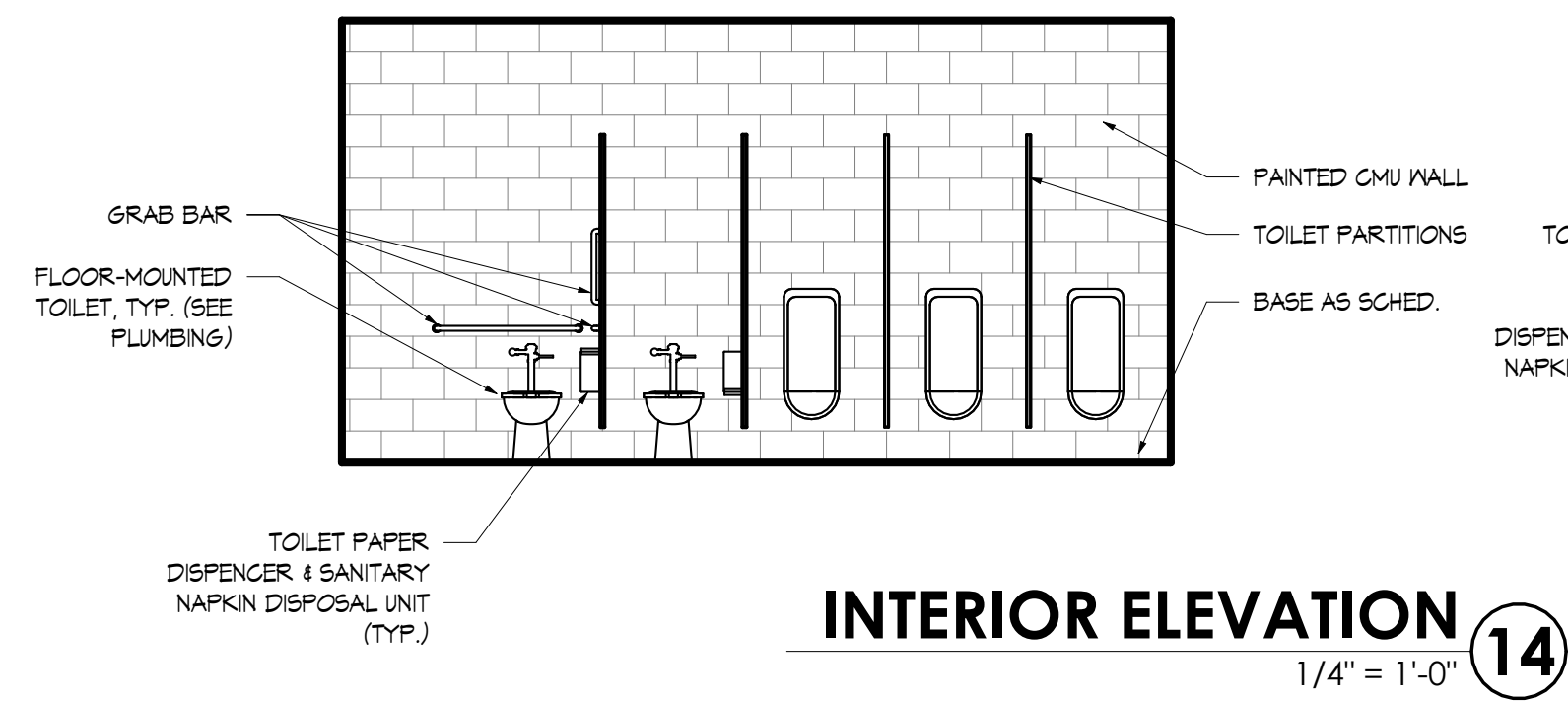


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REVISIONS:		
#	DESC:	DATE

DRAWN BY: DJH
PROJECT #: 22008
ISSUE DATE: 07/23/2025
PHASE:
CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
**INTERIOR ELEVATIONS &
CASEWORK SECTIONS**

A4.01





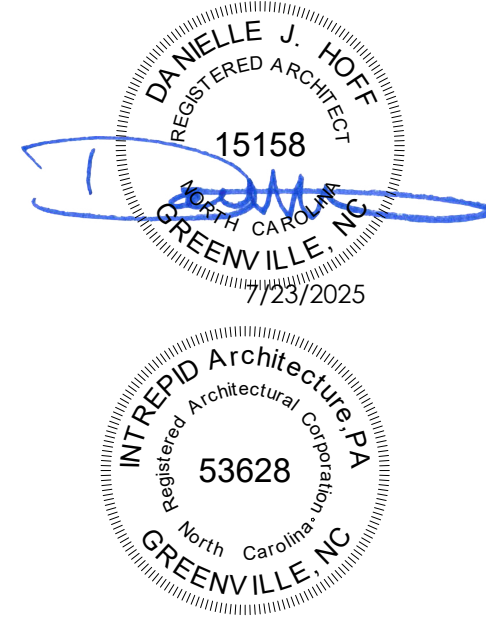
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CONCESSIONS / RESTROOM BUILDING

SHORTCUT ROAD
BARCO, CURRITUCK COUNTY, NC 27971



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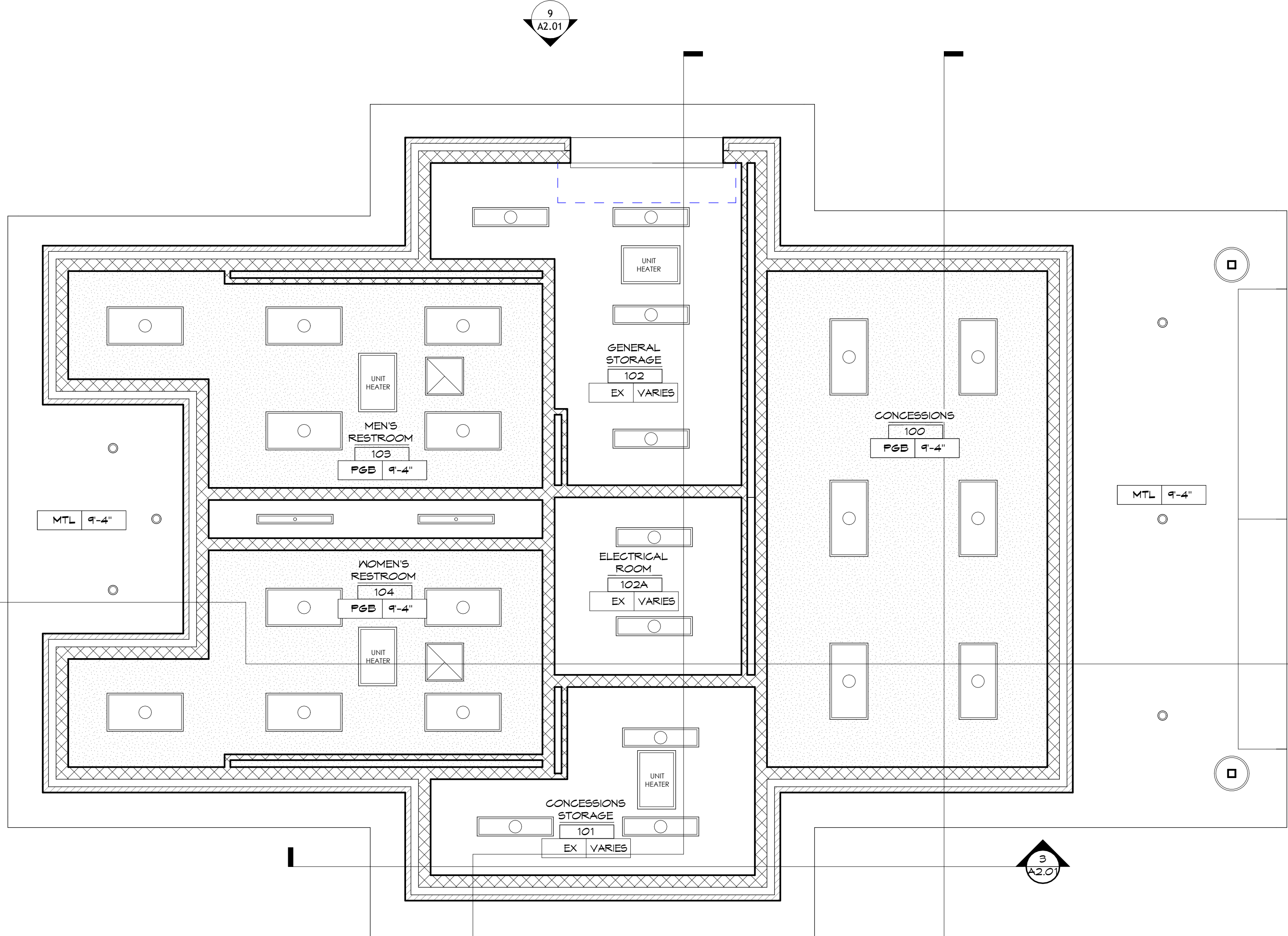
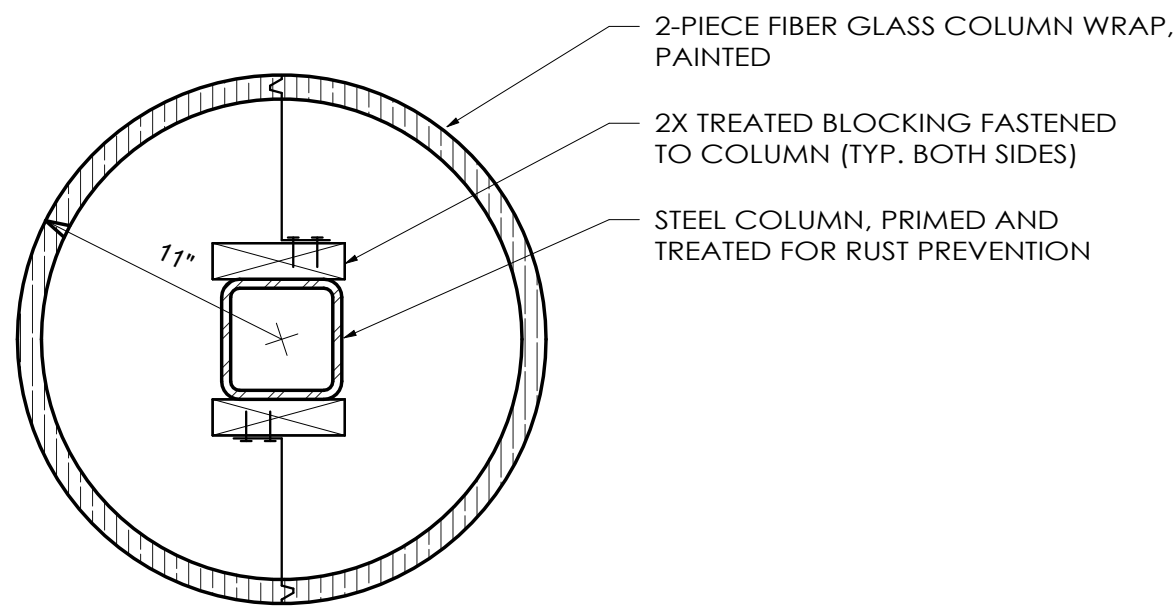
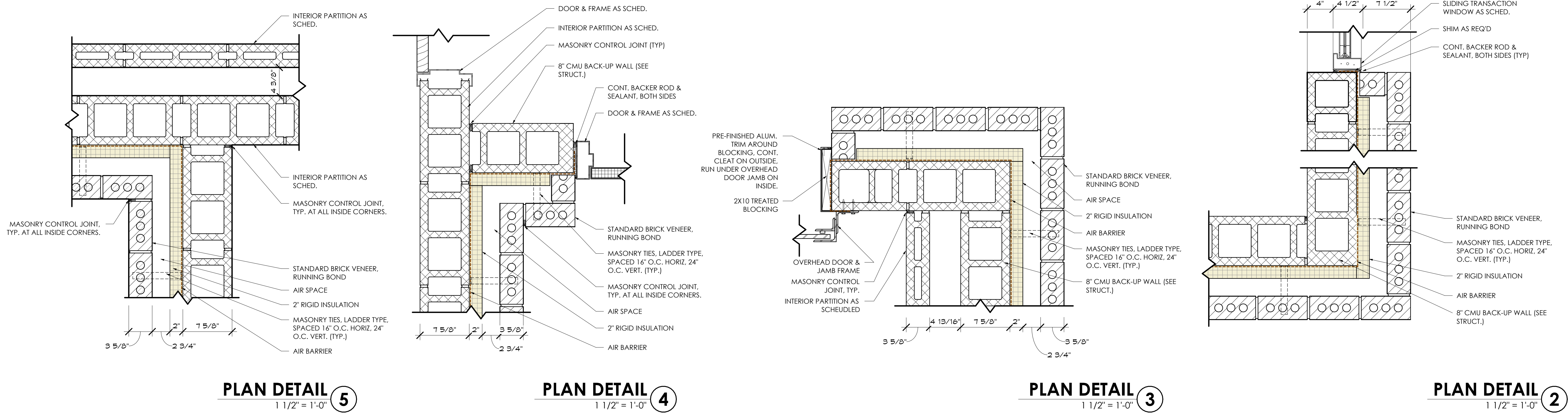
DRAWN BY: DJH
PROJECT #: 22008
ISSUE DATE: 07/23/2025

PHASE:
CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER

REFLECTED CEILING PLAN &
PLAN DETAILS

A5.01



FIRST FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"

1



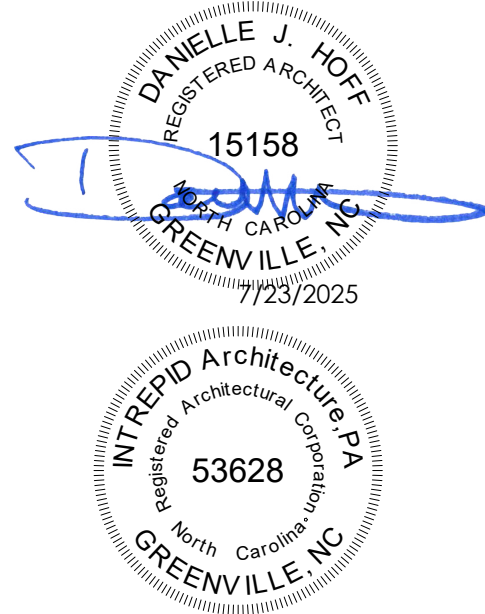
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REVISIONS:

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DRAWN BY: DJH
PROJECT #: 22008
ISSUE DATE: 07/23/2025

PHASE:
CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER

DOOR, WINDOW, GLAZING, &
HARDWARE SCHEDULES, &
DETAILS

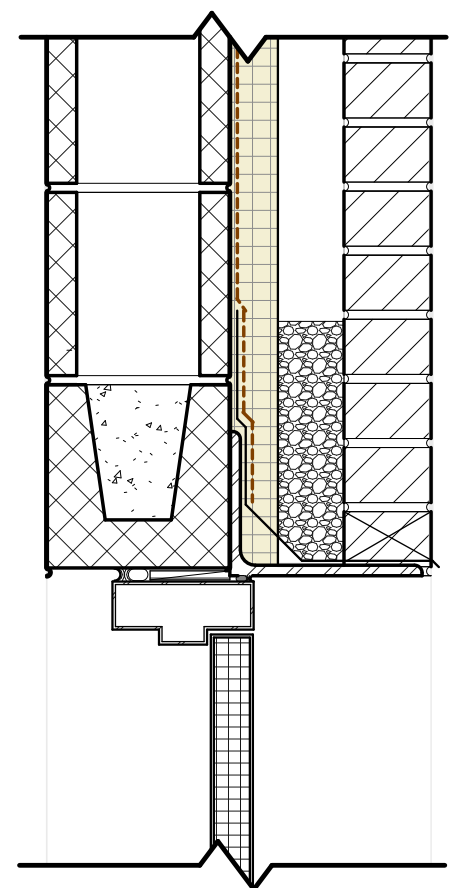
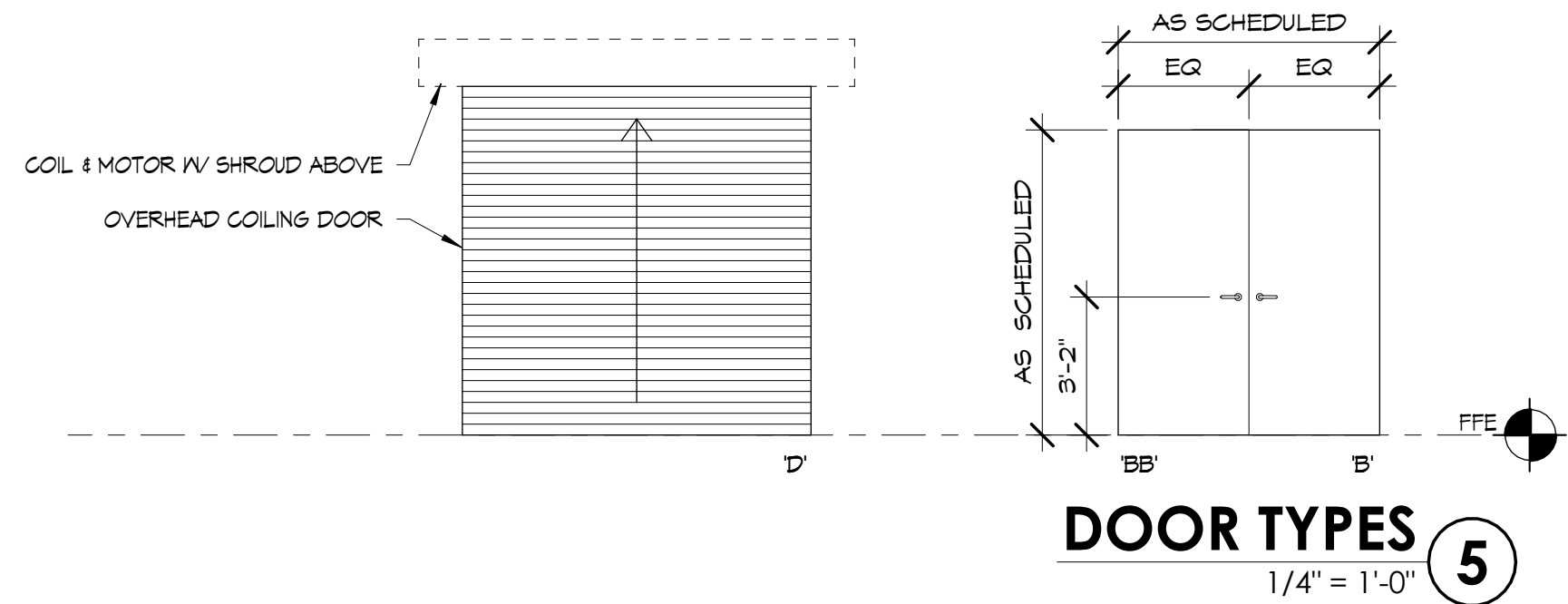
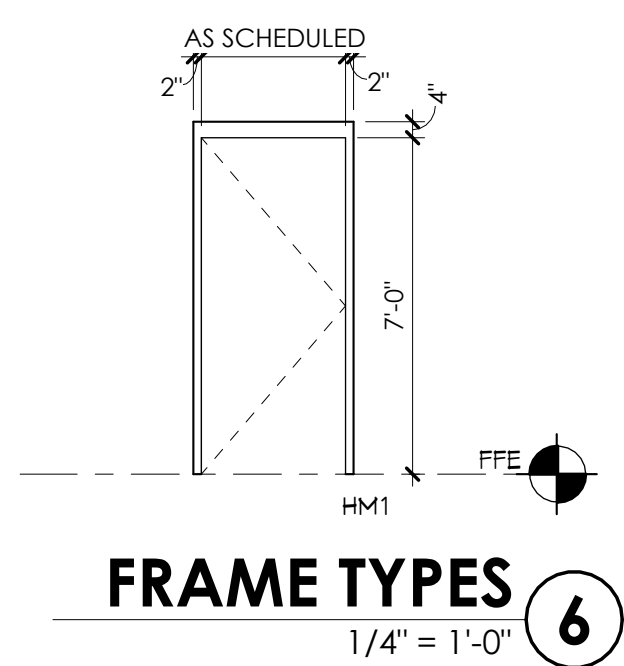
A8.01

DOOR SCHEDULE															
DOOR NO.	SIZE			DOOR			FRAME ELEVATION	FRAME MATERIAL	FRAME FINISH	FRAME			FIRE RATING	HARDWARE SET	REMARKS
	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	MATERIAL	FINISH				HEAD	DETAILS				
											JAMB	SILL			
100	3'-0"	7'-0"	1 3/4"	B	HM	PT	HM1	HM	PT	4/A8.01	3/A6.01	2/A8.01	N/A	1	
101A	3'-0"	7'-0"	1 3/4"	B	HM	PT	HM1	HM	PT	4/A8.01	3/A6.01	2/A8.01	N/A	3	
101B	3'-0"	7'-0"	1 3/4"	B	HM	PT	HM1	HM	PT	3/A8.01	3/A8.01	1/A8.01	N/A	3	
102	3'-0"	7'-0"	1 3/4"	B	HM	PT	HM1	HM	PT	4/A8.01	3/A6.01	2/A8.01	N/A	3	
102-1	8'-0"	8'-0"	3"	D	AL	PT	-	-	-	5/A2.03	2/A6.01	4/A2.03	N/A		OVERHEAD COILING DOOR W/ MOTOR
102A	3'-0"	7'-0"	1 3/4"	B	HM	PT	HM1	HM	PT	3/A8.01	3/A8.01	1/A8.01	N/A	3	
102B	1'-6"	7'-0"	1 3/4"	B	HM	PT	HM1	HM	PT	3/A8.01	3/A8.01	1/A8.01	N/A	3	
103	3'-0"	7'-0"	1 3/4"	B	HM	PT	HM1	HM	PT	4/A8.01	3/A6.01	2/A8.01	N/A	2	
104	3'-0"	7'-0"	1 3/4"	B	HM	PT	HM1	HM	PT	4/A8.01	3/A6.01	2/A8.01	N/A	2	

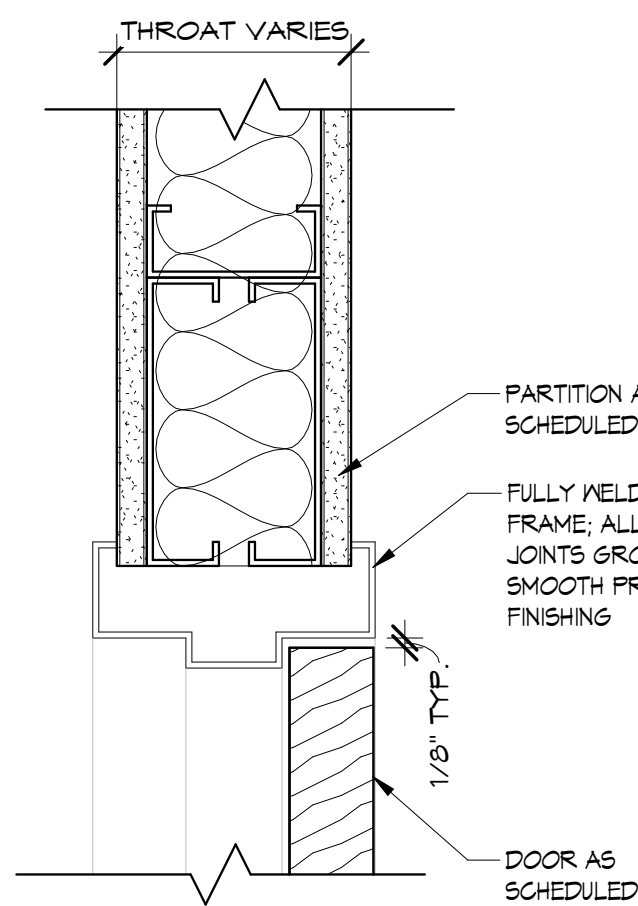
GLAZING SCHEDULE	
G1	CLEAR 1" TEMPERED INSULATED LOW-E GLASS
DOOR/OPENINGS GENERAL NOTES: 1. GC TO FIELD VERIFY ALL OPENINGS PRIOR TO FRAME ORDERING AND FABRICATION. 2. HOLLOW METAL FRAME MULLIONS ARE 2" SIGHTLINES ON SIDES, AND 4" AT HEAD WHERE COURSING WITH MASONRY, U.N.O. 3. "SW" TAGS INDICATES EXTERIOR SLIDING WINDOW - REFER TO PLANS FOR LOCATIONS, FRAME ELEVATIONS FOR DIMENSIONS, GLAZING TAGS, ETC.	
ABBREVIATIONS: D.O. DOOR OPENING R.O. ROUGH OPENING	

WINDOW SCHEDULE									
WINDOW TYPE	NUMBER	ASSEMBLY TYPE	WIDTH	HEIGHT	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	GLAZING TYPE	REMARKS
SW	1	SLIDING WINDOW	6'-0"	4'-4"	2/A2.02	1/A6.01	3/A2.02	G1	EXTERIOR, THERMALLY BROKEN, LOCKING BAR, ONE SIDE SLIDING, OTHER SIDE FIXED.

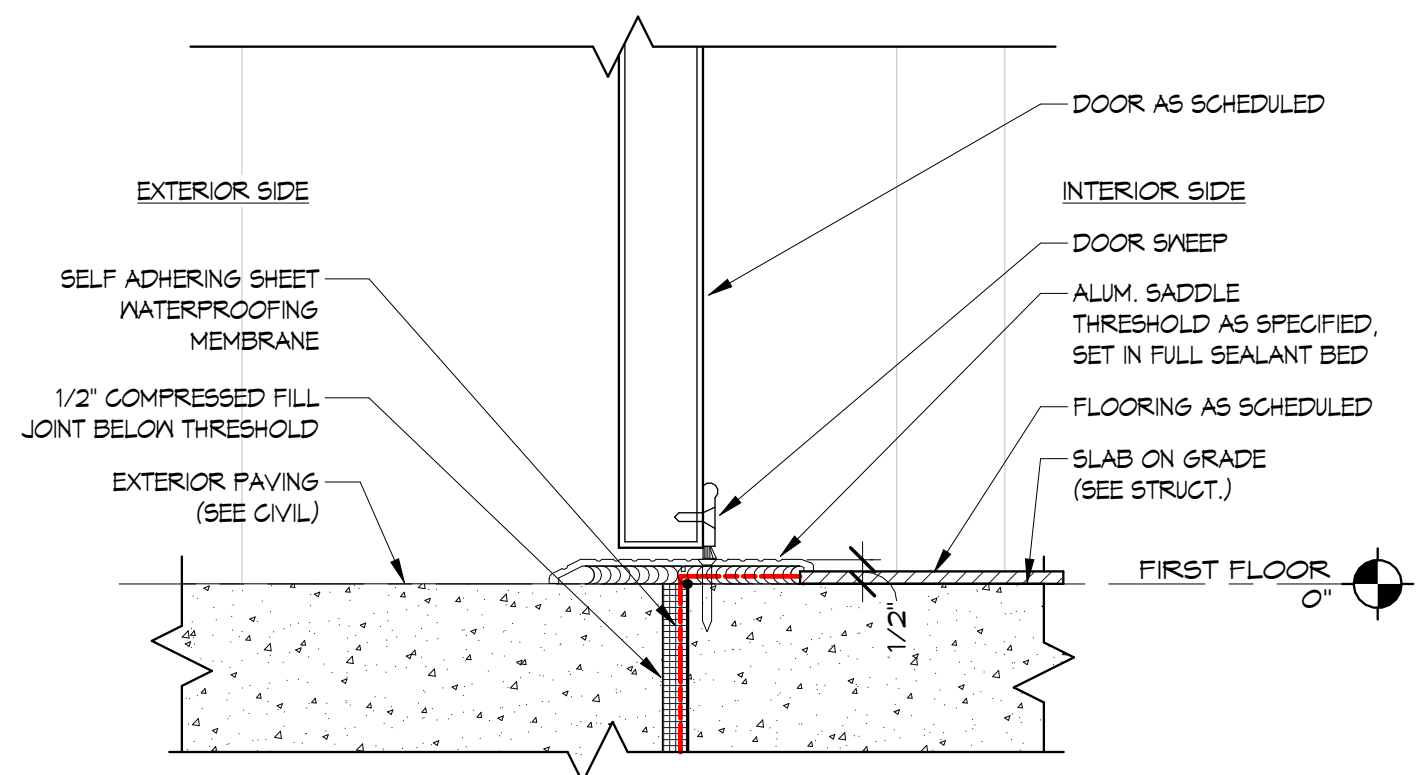
HARDWARE SCHEDULE					
SET #1: SINGLE DOOR ENTRY - CONCESSIONS			SET #3: SINGLE DOOR - STORAGE		
QUANTITY & DESCRIPTION	MODEL NUMBER	MANUF.	QUANTITY & DESCRIPTION	MODEL NUMBER	MANUF.
1 CONT. HINGE	661HD-AL	STANLEY	1 CONT. HINGE	661HD-AL	STANLEY
1 MORTISE LOCKSET	40H SERIES	BEST LOCK	1 DEADBOLT - KEYED FROM BOTH SIDES	40H SERIES	BEST LOCK
1 CLOSER	4111-HSCUSH	LCA	1 DUMMY LEVER SET	40H SERIES	BEST LOCK
1 THRESHOLD	41355	NGP	2 S.S. PROTECTION PLATE FOR DEADBOLT & LEVER		HAGER
1 SWEEP		NGP	1 CLOSER		LCA
1 GASKETING		NGP	1 THRESHOLD	4111-HSCUSH	NGP
			1 SWEEP	41355	NGP
			1 GASKETING		NGP
SET #2: SINGLE DOOR - BATHROOMS			HARDWARE GENERAL NOTES:		
QUANTITY & DESCRIPTION	MODEL NUMBER	MANUF.	1. HARDWARE SHALL COMPLY WITH ALL ACCESSIBILITY REQUIREMENTS PER ANSI A117.1 AND THE CURRENT NBC.		
1 CONT. HINGE	661HD-AL	STANLEY	2. ALL EXTERIOR DOORS SHALL HAVE ADA COMPLIANT THRESHOLDS AND WEATHER-STRIPPING.		
1 DEADBOLT - KEYED FROM BOTH SIDES	40H SERIES	BEST LOCK	3. ALL HARDWARE SHALL BE COORDINATED WITH COUNTY STANDARDS.		
1 PUSH/PULL HARDWARE		HAGER	4. OWNER TO APPROVE ALL HARDWARE AND KEYING & FUNCTION PRIOR TO ORDERING. GC TO COORDINATE KEYING MEETING.		
2 S.S. PROTECTION PLATE FOR DEADBOLT & PUSH/PULL	4111-HSCUSH	LCA	5. ITEMS LISTED ABOVE ARE THE BASIS OF DESIGN, EQUIVALENT BY ALTERNATE MANUFACTURERS LISTED IN SPEC WILL BE CONSIDERED.		
1 CLOSER	41355	NGP			
1 THRESHOLD		NGP			
1 SWEEP		NGP			
1 GASKETING		NGP			



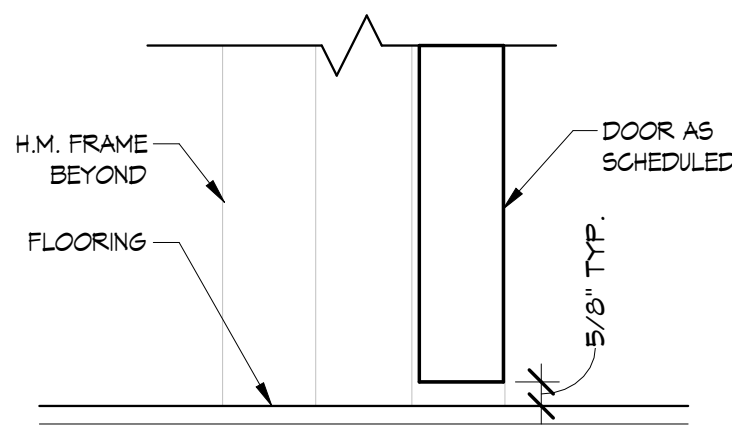
TYP. EXTERIOR DOOR HEAD DETAIL ④
1 1/2" = 1'-0"



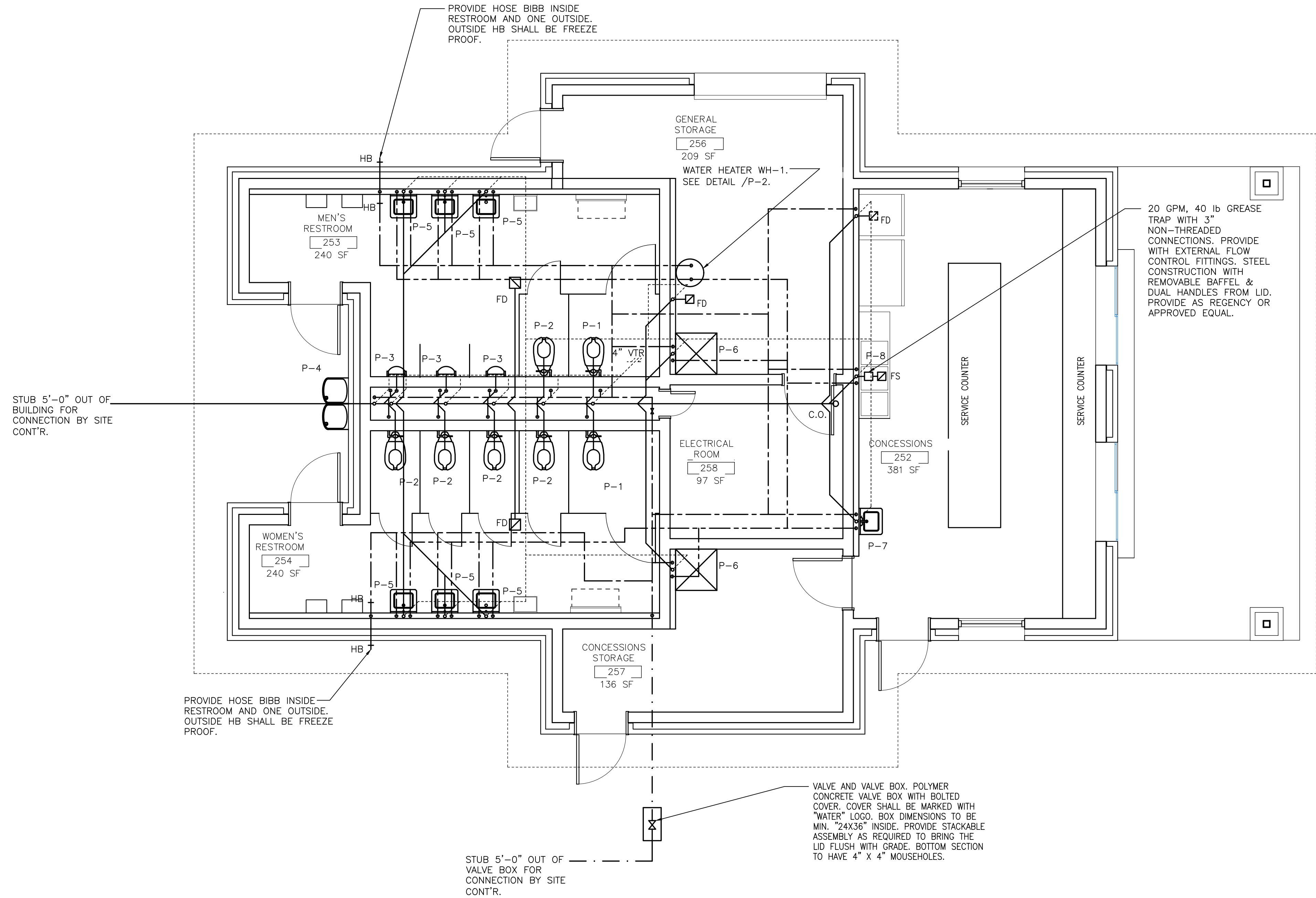
TYP. HM FRAME HEAD/JAMB ③
3" = 1'-0"



TYPICAL EXTERIOR THRESHOLD DETAIL ②
3" = 1'-0"



TYP. INT. THRESHOLD ①
3" = 1'-0"



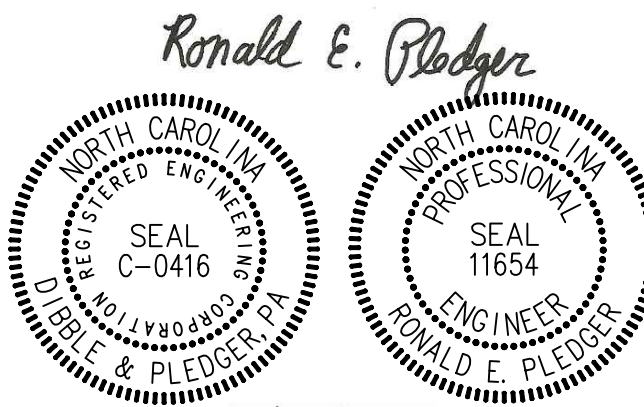
1 PLUMBING FLOOR PLAN
P1.01 1/4"=1'-0"

PLUMBING NOTES

1. INSULATE ALL WATER PIPING ABOVE GRADE. SEE SPECIFICATIONS.
2. ROUTE ALL NEW WATER PIPING ABOVE CEILING AND CONCEALED WITHIN WALLS TO FIXTURES.
3. ROUTE ALL SANITARY SEWER BELOW FLOOR AND CONCEALED WITHIN WALLS UNLESS OTHERWISE NOTED.
4. WATER PIPING SHALL BE COPPER. SEE SPECIFICATIONS.
5. SANITARY SEWER SHALL BE SCH 40 PVC.
6. VENT PIPING SHALL BE SCH 40 PVC.
7. PROVIDE PIPE SLEEVES AT ALL PIPE PENETRATIONS.
8. PROVIDE ESCUTCHEONS AT ALL PIPE PENETRATIONS.
9. ALL PIPE SIZES INDICATED ON RISER DIAGRAMS. SUPPORT PIPE FROM ROOF STRUCTURE. COORDINATE WITH OTHER TRADES PRIOR TO INSTALLATION.
10. TEST WATER PIPING TO 100 PSI.
11. TEST DRAIN PIPING TO 10 FT. HEAD.
12. REFER TO ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN PLUMBING FIXTURES. COORDINATE ROUGH-IN LOCATIONS WITH G.C.
13. COORDINATE LOCATION OF ALL EQUIPMENT, FIXTURES, AND PIPING WITH OTHER TRADES.
14. COORDINATE ALL PIPING BELOW SLAB WITH FOUNDATION CONSTRUCTION.
15. VENTS THRU ROOF SHALL HAVE MIN. 15'-0" CLEARANCE FROM ALL OUTSIDE AIR INTAKES. COORDINATE WITH MECHANICAL CONTRACTOR.
16. DRAWINGS AND RISER DIAGRAMS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY ELL, TEE, ETC. PROPER CONNECTION SHALL BE MADE AT ALL FIXTURES AND EQUIPMENT.
17. PROVIDE ALL FLOOR DRAINS WITH TRAP GUARDS.
18. ALL WIRING, CONDUIT, AND SWITCHES FOR PLUMBING EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR.
19. SEE ARCHITECTURAL DRAWINGS FOR CRITICAL DIMENSIONS AND FINAL LOCATIONS.

PLUMBING SYMBOL SCHEDULE

	NEW FIXTURE	P-1	PLUMBING FIXTURE IDENTIFICATION
	NEW SANITARY SEWER	G.C.	GENERAL CONTRACTOR
	NEW COLD WATER PIPING BELOW GRADE	M.C.	MECHANICAL CONTRACTOR
	NEW COLD WATER PIPING ABOVE GRADE	P.C.	PLUMBING CONTRACTOR
	NEW HOT WATER PIPING	E.C.	ELECTRICAL CONTRACTOR
	GATE VALVE	HB	HOSE BIBB
	CLEANOUT	WH	WATER HEATER
		C.I.	CAST IRON PIPE
		CU.	COPPER PIPE



8/20/2025

ELECTRICAL DESIGN BY:
DIBBLE & PLEDGER, P.A.
222 WEST MAIN STREET, WASHINGTON N.C. 27889
PHONE : (252) 946-3320 FAX: (252) 946-5160
E-MAIL: rpledger@dibbleandpledger.com

ISSUE/REVISIONS:

NO.	DATE	DESCRIPTION	BY
	9/30/25	ISSUE FOR 100% CDS	
	1/14/25	60% DD SET	

DESIGNED BY:	REP
DRAWN BY:	TG
CHECKED BY:	REP
PROJECT No.	2022109
DRAWING No.	W-4080
SCALE:	AS SHOWN
SHEET No.	

SCHEDULE OF ELECTRICAL CONNECTIONS FOR MECHANICAL EQUIPMENT				
EQUIPMENT DESIGNATION	DESCRIPTION	LOCATION	MOTOR HP OR KW	VOLTAGE & PHASE
AC-1	DUCT FREE SPLIT SYSTEM	OUTDOORS	1580 WATTS	230/1
EF-1	CENTRIFUGAL ROOF EXHAUST	ROOF	1/4 HP	230/1
EF-2	CENTRIFUGAL ROOF EXHAUST	ROOF	1/4 HP	230/1
EF-3	CENTRIFUGAL ROOF EXHAUST	ROOF	1/4 HP	230/1
EF-4	CENTRIFUGAL ROOF EXHAUST	ROOF	1/4 HP	230/1

DIFFUSER AND GRILLE SCHEDULE				
SYMBOL	TYPE	NECK SIZE	PATTERN	REMARKS
A	CEILING EXHAUST	14X14	—	ALUMINUM TITUS MODEL 51
B	CEILING EXHAUST	12X12	—	ALUMINUM TITUS MODEL 51

REMARKS
1. EQUALS BY CARNES, NAILOR INDUSTRIES, OR METAL-AIRE.

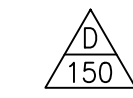
DUCTLESS SPLIT SYSTEM AIR CONDITIONING SCHEDULE										
SYMBOL	AIR QUANTITY	COOLING CAPACITY	CONDENSER ENT.	MIN.	HEATING CAPACITY	ELECTRICAL CHARACTERISTICS			REMARKS	
	TOTAL	TOTAL	AIR DB	SEER		WATTS	COOLING	WATTS HEATING		VOLTAGE/PHASE
HP-1	237 CFM HI SPEED	12,000 BH	95	16.2	12,000 BH	1580		1560	230/1	CARRIER

REMARKS
1. EQUALS BY MITSUBISHI, SANYO, OR DIKIN.

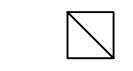
POWER VENTILATOR SCHEDULE							
SYMBOL	TYPE	CFM	E.S.P. wg	ELECTRICAL			REMARKS
				MAX RPM	POWER	VOLTAGE	
EF-1	CEILING EXHAUST	491	0.125	1093	1/4 HP	120	1
EF-2	CEILING EXHAUST	491	0.125	1093	1/4 HP	120	1
EF-3	CEILING EXHAUST	404	0.125	939	1/4 HP	120	1
EF-4	CEILING EXHAUST	246	0.125	1247	1/4 HP	120	1

REMARKS
1. BACKDRAFT DAMPER
2. ROOF CURB

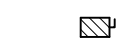
MECHANICAL SYMBOL SCHEDULE



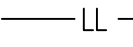
DIFFUSER AND GRILLE IDENTIFICATION



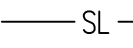
RETURN/EXHAUST GRILLE



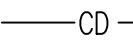
SAFETY SWITCH



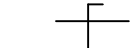
REFRIGERANT LIQUID LINE



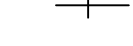
REFRIGERANT SUCTION LINE



CONDENSATE PIPING



VOLUME DAMPER



THERMOSTAT



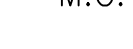
GENERAL CONTRACTOR



MECHANICAL CONTRACTOR



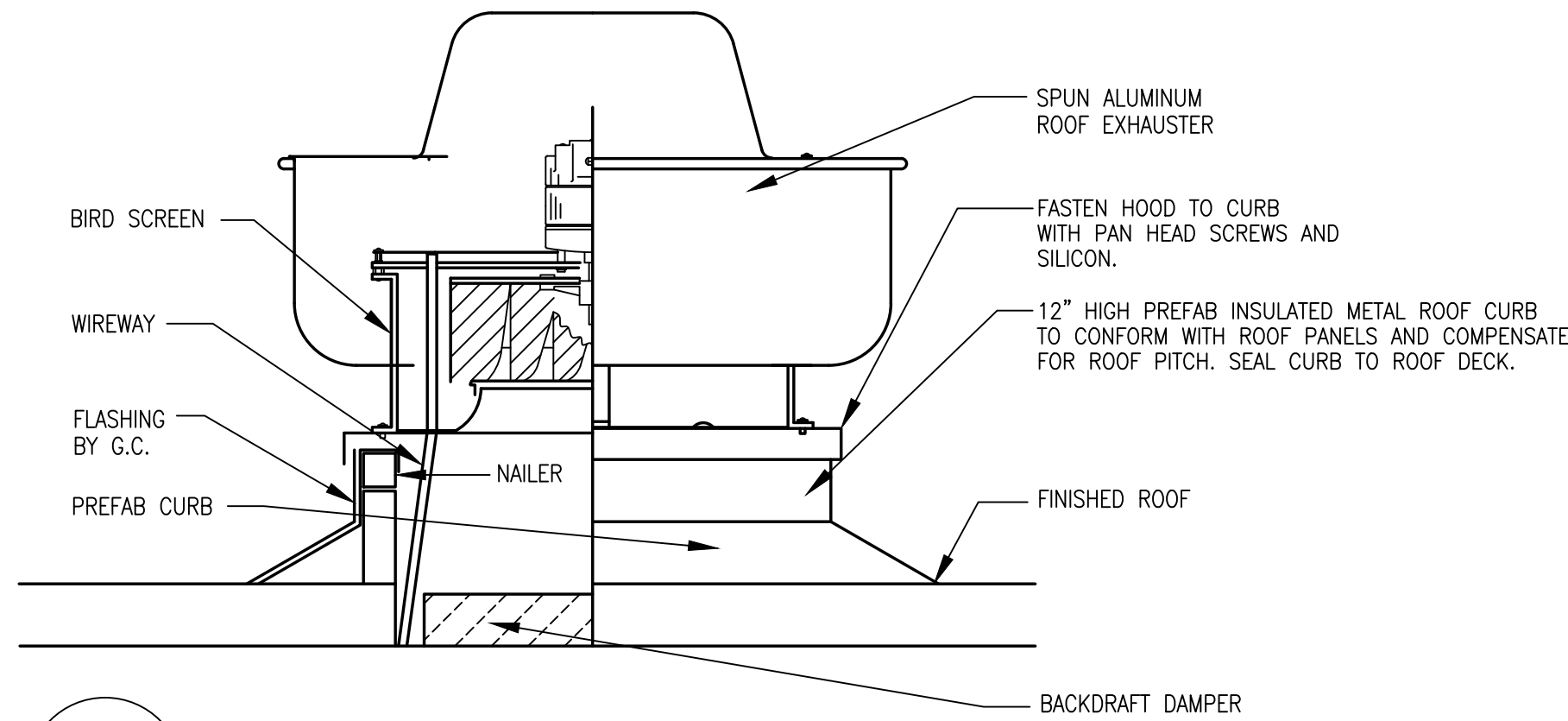
PLUMBING CONTRACTOR



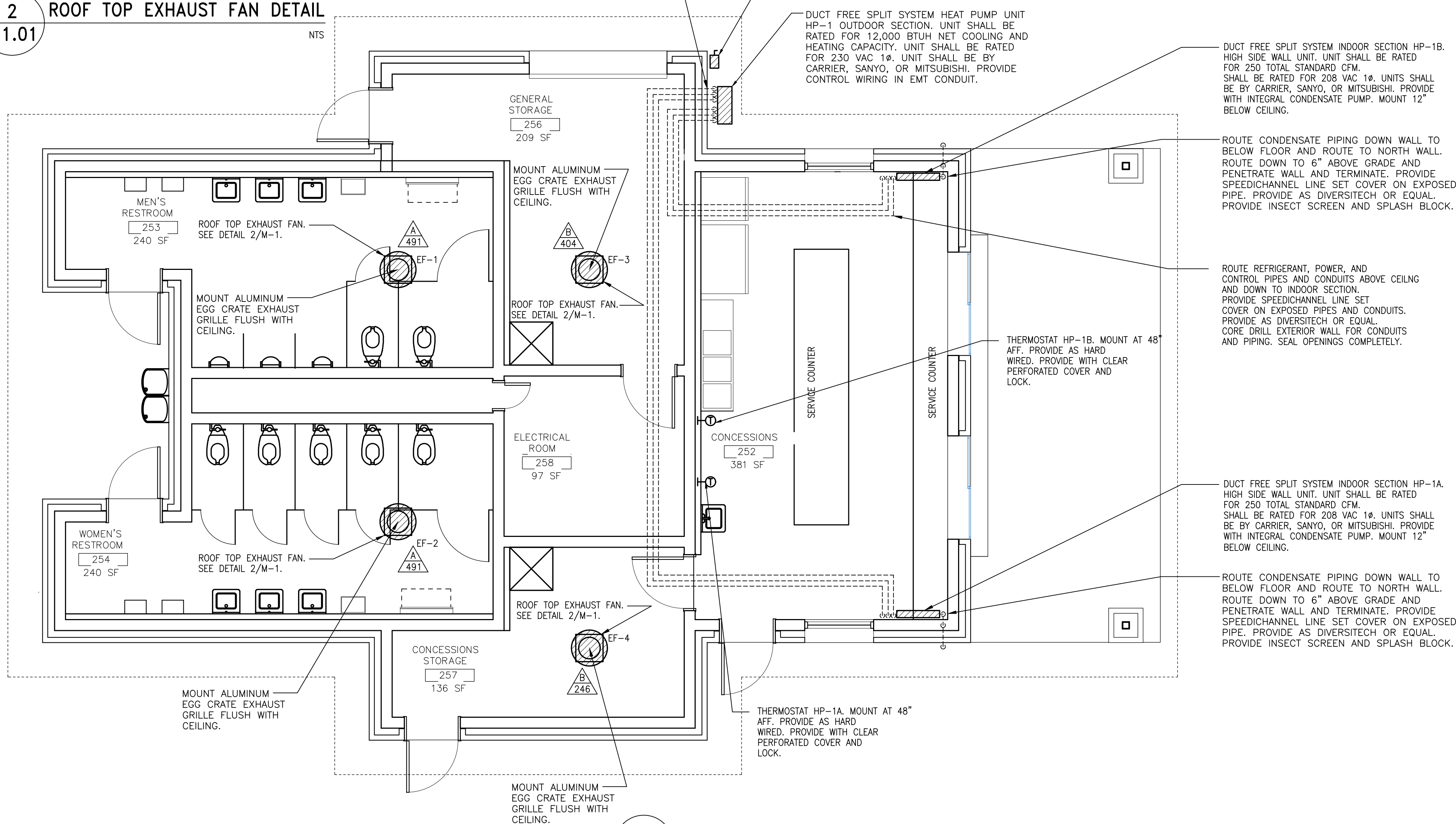
ELECTRICAL CONTRACTOR

MECHANICAL NOTES

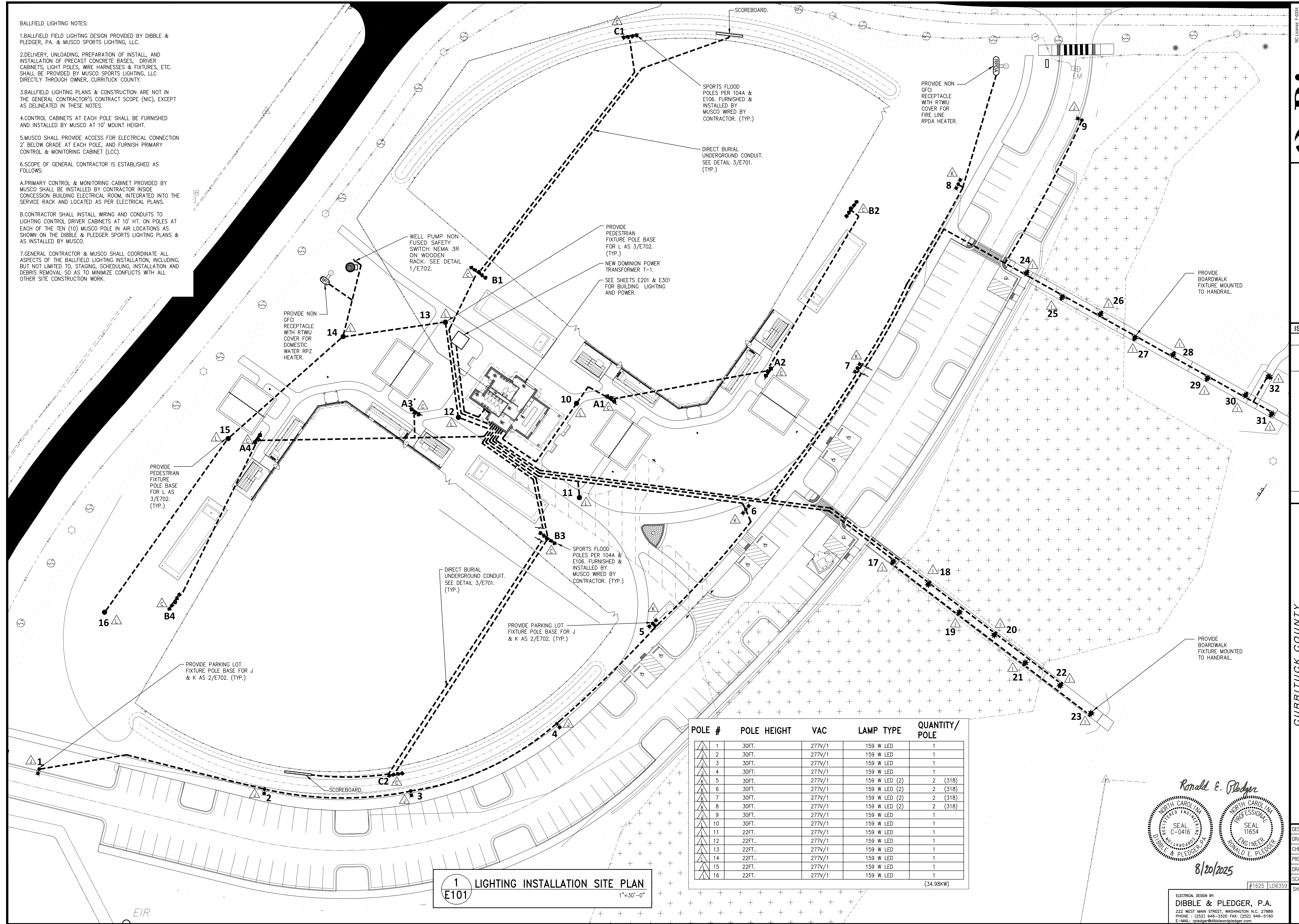
- ALL WORK SHALL CONFORM TO APPLICABLE CODES AND THE REQUIREMENTS OF LOCAL CODES.
- COORDINATE ALL NEW WORK WITH THE WORK OF OTHER TRADES. COORDINATE MECHANICAL ITEMS WITH THE GENERAL CONTRACTOR.
- ALL DUCT SIZES ARE INSIDE NET DIMENSIONS.
- ALL RECTANGULAR DUCTWORK OR CONCEALED SHALL BE INSULATED WITH 2" DUCTWRAP.
- ALL BRANCH CONNECTIONS SHALL BE PROVIDED WITH VOLUME DAMPERS.
- ALL ROUND BRANCH CONNECTIONS SHALL BE SPIN-IN.
- EXPOSED DUCTWORK SHALL BE DOUBLE WALL INSULATED ROUND SHEET METAL DUCT SUITABLE FOR PAINTING. ALL CONCEALED DUCT WORK SHALL BE GALVANIZED SHEET METAL INCLUDING RUNOUTS TO SUPPLY AND RETURN GRILLES. FLEXIBLE DUCT MAY BE USED ABOVE CEILINGS FOR TERMINATION TO GRILLES FOR LAST 5'-0" OF RUNOUTS. PROVIDE FLEXIBLE CONNECTIONS AT RETURN AND SUPPLY CONNECTIONS AT AIR HANDLING UNITS.
- MOUNT WALL MOUNTED THERMOSTATS AT 4'-0" AFF. REFERENCE SPECIFICATIONS SECTION 230952.
- MECHANICAL CONTRACTOR SHALL PROVIDE ALL SWITCHES AND FUSES FOR MECHANICAL EQUIPMENT. SEE SCHEDULE OF CONNECTIONS. EQUIPMENT SHALL BE PROTECTED BY FUSES OR CIRCUIT BREAKERS PER EQUIPMENT LABEL RECOMMENDATIONS.
- INSULATE ALL REFRIGERANT PIPING. EXPOSED REFRIGERANT PIPING INSULATION INSIDE SHALL BE FINISHED WITH PVC JACKET. EXPOSED EXTERIOR REFRIGERANT PIPING SHALL BE FINISHED WITH ALUMINUM JACKET.
- CONDENSATE PIPING SHALL BE TYPE L HARD COPPER. PROVIDE P-TRAP. ROUTE CONDENSATE PIPING PER DRAWINGS. PROVIDE INSULATION.
- DIFFUSER AND GRILLES FOR LAY-IN TYPE CEILINGS SHALL BE PROVIDED WITH A BORDER FOR FULL 24X24 GRID.
- COORDINATE EXACT LOCATION FOR ALL CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- PROVIDE MIN. 15'-0" CLEARANCE BETWEEN PLUMBING VENTS AND OUTSIDE AIR INTAKES.



2 ROOF TOP EXHAUST FAN DETAIL
M1.01



7. GENERAL CONTRACTOR & MUSCO SHALL COORDINATE ALL ASPECTS OF THE BALLFIELD LIGHTING INSTALLATION, INCLUDING, BUT NOT LIMITED TO, STAGING, SCHEDULING, INSTALLATION AND DEBRIS REMOVAL SO AS TO MINIMIZE CONFLICTS WITH ALL OTHER SITE CONSTRUCTION WORK.



POLE #	POLE HEIGHT	VAC	LAMP TYPE	QUANTITY/ POLE
1	30FT.	277V/1	159 W LED	1
2	30FT.	277V/1	159 W LED	1
3	30FT.	277V/1	159 W LED	1
4	30FT.	277V/1	159 W LED	1
5	30FT.	277V/1	159 W LED (2)	2 (318)
6	30FT.	277V/1	159 W LED (2)	2 (318)
7	30FT.	277V/1	159 W LED (2)	2 (318)
8	30FT.	277V/1	159 W LED (2)	2 (318)
9	30FT.	277V/1	159 W LED	1
10	30FT.	277V/1	159 W LED	1
11	22FT.	277V/1	159 W LED	1
12	22FT.	277V/1	159 W LED	1
13	22FT.	277V/1	159 W LED	1
14	22FT.	277V/1	159 W LED	1
15	22FT.	277V/1	159 W LED	1
16	22FT.	277V/1	159 W LED	1

(34.98KW)

Ronald E. Pledger

NORTH CAROLINA
REGISTERED ENGINEER
SEAL C-0416
D.B.E. & PLEDGER, P.A.

NORTH CAROLINA
PROFESSIONAL
SEAL 11654
ENGINEER
RONALD E. PLEDGER

8/20/2025

ELECTRICAL DESIGN BY:
DIBBLE & PLEDGER, P.A.
222 WEST MAIN STREET, WASHINGTON N.C. 27889
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Raleigh, NC 27609
919.594.1626

ISSUE/REVISIONS:			
NO.	DESCRIPTION	DATE	BY
	ISSUE FOR 100% CDS	9/30/25	
	80% DD SET	1/14/25	

CURRITUCK COMMUNITY PARK, PHASE III
LIGHTING & POWER SITE PLANS
BALL FIELDS & PARKING LOT

SHORTCUT RD., BARCO ~ CURRITUCK COUNTY ~ NORTH CAROLINA

SIGNED BY:	REP
DRAWN BY:	WAW
CHECKED BY:	REP
SUBJECT No.	2022109
DRAWING No.	W-4080
SCALE:	AS SHOWN
SHEET No.	

E101



POLE/FIXTURE SUMMARY						
POLE ID	POLE HEIGHT	MTG HEIGHT	Fixture Qty	LUMINAIRE TYPE	LOAD	CIRCUIT
A1-A2	60'	60'	3	TLC-LED-1200	3.51 kW	A
A3-A4	60'	60'	3	TLC-LED-1200	3.51 kW	B
B1-B2	60'	60'	5	TLC-LED-1200	5.85 kW	A
		16'	1	TLC-BT-575	0.57 kW	A
B3-B4	60'	60'	5	TLC-LED-1200	5.85 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
C1	60'	60'	4	TLC-LED-1200	4.68 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
C2	60'	60'	4	TLC-LED-1200	4.68 kW	B
		16'	2	TLC-BT-575	1.15 kW	B
10			48		51.40 kW	

CIRCUIT SUMMARY			
CIRCUIT	DESCRIPTION	LOAD	FIXTURE QTY
A	SOFTBALL 4	25.70 kW	24
B	SOFTBALL 5	25.70 kW	24

FIXTURE TYPE SUMMARY							
TYPE	SOURCE	WATTAGE	LUMENS	L90	L80	L70	QUANTITY
TLC-BF-575	LED 5700K ~ 75 CRI	575W	52,000	>120,000	>120,000	>120,000	8
TLC-LED-1200	LED 5700K ~ 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	40

SINGLE LUMINAIRE AMPERAGE DRAW CHART							
DRIVER SPECIFICATIONS (.90 MIN POWER FACTOR)	LINE AMPERAGE PER LUMINAIRE (MAX DRAW)						
SINGLE PHASE VOLTAGE	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-1200	6.9	6.6	6.0	5.2	4.2	3.8	3.0
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5

CALCULATION GRID SUMMARY								
GRID NAME	CALCULATION METRIC	ILLUMINATION AVE					CIRCUITS	FIXTURE QTY
		AVE	MIN	MAX	MAX/MIN	AVE/MIN		
SOFTBALL 4 (INFIELD)	HORIZONTAL ILLUMINANCE	52.92	38.66	63.89	1.65	1.37	A	24
SOFTBALL 4 (OUTFIELD)	HORIZONTAL ILLUMINANCE	34.22	22.17	45.08	2.03	1.54	A	24
SOFTBALL 5 (INFIELD)	HORIZONTAL ILLUMINANCE	52.92	38.66	63.89	1.65	1.37	B	24
SOFTBALL 5 (OUTFIELD)	HORIZONTAL ILLUMINANCE	34.22	22.17	45.08	2.03	1.54	B	24

NOTE:
SPORTS FIELD LIGHTING NOT IN CONTRACT. CONTRACTOR SHALL COORDINATE WITH MUSCO LIGHTING TO PROVIDE ELECTRICAL SERVICE TO MUSCO INSTALLED POLES. REFER TO 'BALLFIELD LIGHTING NOTES' ON SHEET E101

8/20/2025

#16

ELECTRICAL DESIGN BY:
DIBBLE & PLEDGER, P.A.
222 WEST MAIN STREET, WASHINGTON N.C. 27888
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E-MAIL: rpledger@dibbleandpledger.com

NC License F-3334
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 230 Six Forks Place III Ste.
 353 E. Six Forks Road
 Raleigh, NC 27609
 919.594.1626

ISSUE/REVISIONS:

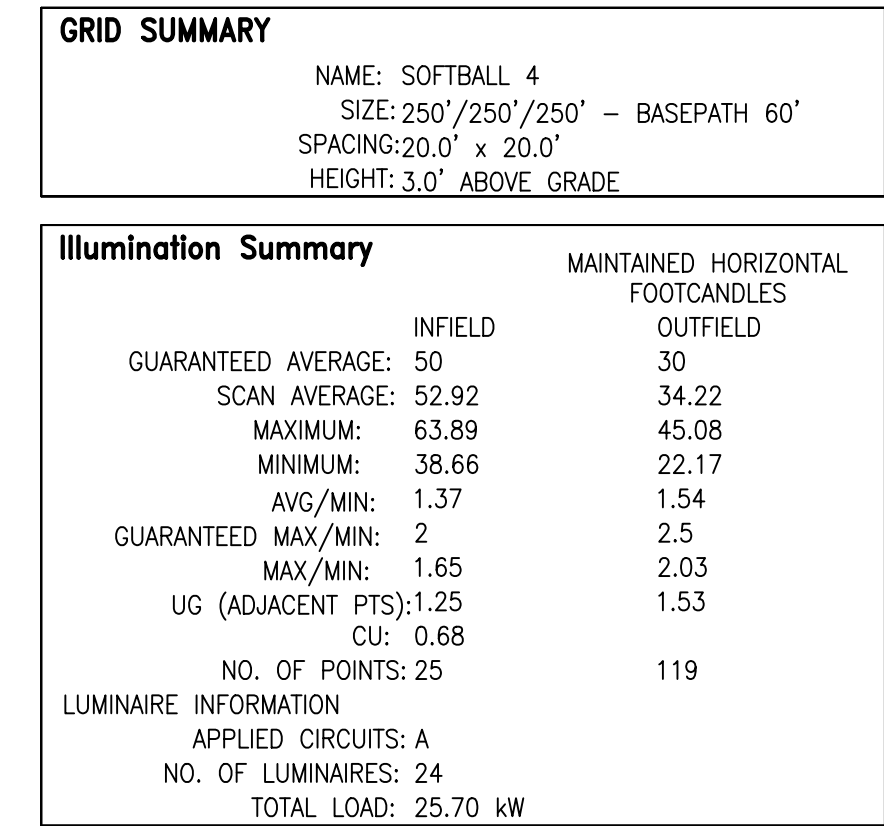
NO	DESCRIPTION	DATE	BY
	ISSUE FOR 100% CDS	9/30/25	
	60% DO SET	1/1/25	

CURRITUCK COUNTY
CURRITUCK COMMUNITY PARK, PHASE III
SHORTCUT RD., BARCO ~ CURRITUCK COUNTY ~ NORTH CAROLINA

**MUSCO SPORTS LIGHTING FIELD 4 &
FIELD 5 POINT BY POINT (NIC)**

DESIGNED BY:	REF
DRAWN BY:	WAW
CHECKED BY:	REF
PROJECT No.	2022109
DRAWING No.	W-4080
SCALE:	AS SHOWN
SHEET No.	

E1 02



EQUIPMENT LIST FOR AREAS SHOWN									
POLE				LUMINAIRES					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE ELEV.	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS	
2	A1-A2	60'	—	60'	TLC-LED-1200	3	3	0	
2	B1-B2	60'	—	60'	TLC-LED-1200	5	5	0	
1	C1	60'	—	15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-1200	4	4	0	
				15.5'	TLC-BT-575	2	2	0	
5				Totals		24	24	0	

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[illegible]

CURRITUCK COUNTY
CURRITUCK COMMUNITY PARK, PHASE III
SHORTCUT RD., BARCO – CURRITUCK COUNTY – NORTH CAROLINA
MUSCO SPORTS LIGHTING FIELD 4
POINT BY POINT (NIC)

DESIGNED BY:	REP
DRAWN BY:	WAW
CHECKED BY:	REP
PROJECT No.	2022109
DRAWING No.	W-4080
SCALE:	AS SHOWN
SHEET No.	

E1 03

NOTE:
SPORTS FIELD LIGHTING NOT IN CONTRACT. CONTRACTOR SHALL COORDINATE WITH MUSCO LIGHTING TO PROVIDE ELECTRICAL SERVICE TO MUSCO INSTALLED POLES. REFER TO 'BALLFIELD LIGHTING NOTES' ON SHEET E101

Ronald E. Pledger

NORTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
SEAL
C-0416
DIBBLE & PLEDGER, P.A.

NORTH CAROLINA
PROFESSIONAL ENGINEER
SEAL
11654
RONALD E. PLEDGER

8/20/2025

#1625	LD6359
-------	--------

ELECTRICAL DESIGN BY:
DIBBLE & PLEDGER, P.A.
222 WEST MAIN STREET, WASHINGTON N.C. 27888
PHONE : (252) 946-3320 FAX: (252) 946-5166
E-MAIL: rpledger@dibbleandpledger.com

NAME: SOFTBALL 5
SIZE: 250' / 250' / 250' - BASEPATH 60'
SPACING: 20.0' x 20.0'
HEIGHT: 3.0' ABOVE GRADE

MAINTAINED HORIZONTAL
FOOTCANDLES

	INFIELD	OUTFIELD
GUARANTEED AVERAGE:	50	30
SCAN AVERAGE:	52.92	34.22
MAXIMUM:	63.89	45.08
MINIMUM:	38.66	22.17
AVG/MIN:	1.37	1.54
GUARANTEED MAX/MIN:	2	2.5
MAX/MIN:	1.65	2.03
UG (ADJACENT PTS):	1.25	1.53
CUT:	0.68	
NO. OF POINTS:	25	119
LUMINAIRE INFORMATION		
APPLIED CIRCUITS:	B	
NO. OF LUMINAIRES:	24	
TOTAL LOAD:	25.70 kW	

GUARANTEED PERFORMANCE: THE ILLUMINATION DESCRIBED ABOVE IS GUARANTEED PER YOUR MUSCO WARRANTY DOCUMENT AND INCLUDES A 0.95 DIRT DEPRECIATION FACTOR.

FIELD MEASUREMENTS: INDIVIDUAL FIELD MEASUREMENTS MAY VARY FROM COMPUTER-CALCULATED PREDICTIONS AND SHOULD BE TAKEN IN ACCORDANCE WITH IESNA RP-6-15.

ELECTRICAL SYSTEM REQUIREMENTS: REFER TO AMPERAGE DRAW CHART AND/OR THE "MUSCO CONTROL SYSTEM SUMMARY" FOR ELECTRICAL SIZING.

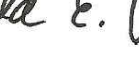
INSTALLATION REQUIREMENTS: RESULTS ASSUME $\pm 3\%$ NOMINAL VOLTAGE AT LINE SIDE OF THE DRIVER AND STRUCTURES LOCATED WITHIN 3 FEET (1M) OF DESIGN LOCATIONS.

POLE				LUMINAIRES					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE LEVEL	GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	60'	—	60'		TLC-LED-1200	3	3	0
2	B3-B4	60'	—	60'		TLC-LED-1200	5	5	0
1				15.5'		TLC-BT-575	1	1	0
2	C2	60'	—	60'		TLC-LED-1200	4	4	0
				15.5'		TLC-BT-575	2	2	0
5				Totals			24	24	0

$$1'' = 30' - 0''$$

SPORTS FIELD LIGHTING NOT IN CONTRACT. CONTRACTOR SHALL COORDINATE WITH MUSCO LIGHTING TO PROVIDE ELECTRICAL SERVICE TO MUSCO INSTALLED POLES. REFER TO 'BALLFIELD LIGHTING NOTES' ON SHEET E101

Ronald E. Pledger



8/20/2025

ELECTRICAL DESIGN BY:
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NO.	DESCRIPTION	DATE	BY
	ISSUE FOR 100% CDS	9/30/25	
	60% DD SET	1/14/25	

CURRITUCK COUNTY
CURRITUCK COMMUNITY PARK, PHASE III
SHORTCUT RD., BARCO ~ CURRITUCK COUNTY ~ NORTH CAROLINA
MUSCO SPORTS LIGHTING
FIELD 5 POINT BY POINT (NIC)

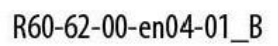
DESIGNED BY:	REP
DRAWN BY:	WAW
CHECKED BY:	REP
PROJECT No.	2022109
DRAWING No.	W-4080
SCALE:	AS SHOWN
SHEET No.	

E104

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POLE ID	POLE HEIGHT ft (m)	# OF LUMINAIRES	ASSEMBLED POLE WEIGHT 3 lb (kg)
A1	60 (18.3)	3	962 (436)
A2	60 (18.3)	3	962 (436)
A3	60 (18.3)	3	962 (436)
A4	60 (18.3)	3	962 (436)
B1	60 (18.3)	6	1386 (629)
B2	60 (18.3)	6	1386 (629)
B3	60 (18.3)	6	1386 (629)
B4	60 (18.3)	6	1386 (629)
C1	60 (18.3)	6	1231 (558)
C2	60 (18.3)	6	1231 (558)

1. Steel pole should overlap concrete base and be seated tight with 1 1/2 ton come-alongs (contractor provided).
2. Align weldmarks on steel sections before assembling.
3. Assembled pole weight includes steel sections, crossarms, luminaires, and electrical components enclosures. If pole has stamped structural design then use pole weight (listed as vertical force) on stamped structural design document.
4. Section overlap must be pulled together until tight. Overlap measurement should be +/- 6 in (150 mm).
5. This document is not intended for use as an assembly instruction. See Installation Instructions: Light-Structure System™ Lighting System for complete assembly procedure.

POLE ID	CONCRETE BASE WEIGHT lb(kg)	BURIAL INFORMATION 3.4			CUT BASE	LIGHTNING GROUND 5	
		G in (mm)	H ft (m)	CONCRETE BACKFILL 1.2 yd3 (m3)		TYPE	SUPPLEMENTAL INSTRUCTION
A1	1870 (848)	30 (762)	10 (3.0)	1.2 (0.9)	NO	INTEGRATED 6	N/A
A2	1870 (848)	30 (762)	10 (3.0)	1.2 (0.9)	NO	INTEGRATED 6	N/A
A3	1870 (848)	30 (762)	10 (3.0)	1.2 (0.9)	NO	INTEGRATED 6	N/A
A4	1870 (848)	30 (762)	10 (3.0)	1.2 (0.9)	NO	INTEGRATED 6	N/A
B1	1870 (848)	30 (762)	10 (3.0)	1.2 (0.9)	NO	INTEGRATED 6	N/A
B2	1870 (848)	30 (762)	10 (3.0)	1.2 (0.9)	NO	INTEGRATED 6	N/A
B3	1870 (848)	30 (762)	10 (3.0)	1.2 (0.9)	NO	INTEGRATED 6	N/A
B4	1870 (848)	30 (762)	10 (3.0)	1.2 (0.9)	NO	INTEGRATED 6	N/A
C1	1870 (848)	30 (762)	10 (3.0)	1.2 (0.9)	NO	INTEGRATED 6	N/A
C2	1870 (848)	30 (762)	10 (3.0)	1.2 (0.9)	NO	INTEGRATED 6	N/A

1. Concrete backfill is calculated to 2 ft (0.6m) below grade (no overage included). Top 2 ft (0.6m) to be class 5 soil compacted to 95% density of surrounding undisturbed soil unless otherwise specified in stamped structural design.
2. Concrete backfill required 3000 lb/in² (20 MPa) minimum.
3. Foundation design per 2015 IBC, 130 mph, exposure category C, variation STD (Risk Category II).
4. Assumes IBC class 5 soils.
5. Standard bases include integrated lightning protection. If bases are cut, supplemental lightning protection is required. Contact Musco for materials and instruction.
6. Lightning protection is a manufacturer installed concrete encased electrode and connector. Ground connection is made when concrete base is installed and footing is poured. No additional steps required.

SPORTS FIELD LIGHTING NOT IN CONTRACT. CONTRACTOR SHALL COORDINATE WITH MUSCO LIGHTING TO PROVIDE ELECTRICAL SERVICE TO MUSCO INSTALLED POLES. REFER TO 'BALLFIELD LIGHTING NOTES' ON SHEET E101

The image shows two circular professional seals for North Carolina. The left seal is for a Registered Professional Engineer, Seal C-0416, for D. Bille & Pledger, P.A. The right seal is for a Professional Engineer, Seal 11654, for Ronald E. Pledger.

#1625	LD6359
-------	--------

DESIGNED BY:	REP
DRAWN BY:	WAW
CHECKED BY:	REP
PROJECT No.	2022109
DRAWING No.	W-4080
SCALE:	AS SHOWN

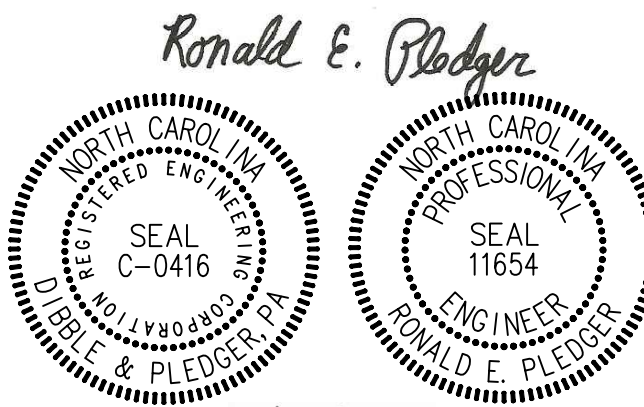
E104A

LUMINAIRE LOCATION SUMMARY						
LUMNO	LUMNO	LABEL	INSERTION POINT			
			X	Y	Z	ORIENT
1	▲	CC21x2-72L-700-5K7-3_1_tway	507.241	272.944	33	257.299
2	▲	CC21x2-72L-700-5K7-4W	674.913	248.22	33	265.417
3	▲	CC21x2-72L-700-5K7-4W	785.848	250.052	33	287.234
4	▲	CC21x2-72L-700-5K7-4W	897.022	301.865	33	309.471
5	▲	CC21x2-72L-700-5K7-4W_1	974.299	386.431	33	45.49
6	▲	CC21x2-72L-700-5K7-4W_1	1036.25	466	33	50.382
7	▲	CC21x2-72L-700-5K7-4W_1	1119.476	571.351	33	56.931
8	▲	CC21x2-72L-700-5K7-4W_1	1195	709.25	33	63.1
9	▲	CC21x2-72L-700-5K7-3_1_tway	1288.75	756.5	33	159.677
10	▲	CC17x2-36L-730-4K7-3	909.25	545	24	53.323
11	▲	CC17x2-36L-730-4K7-3	909.25	475.75	24	234.104
12	▲	CC17x2-36L-730-4K7-3	820.949	534.569	24	234.663
13	▲	CC17x2-36L-730-4K7-3	811.396	605.763	24	54.711
14	▲	CC17x2-36L-730-4K7-3	734.771	595.098	24	234.083
15	▲	CC17x2-36L-730-4K7-3	648.466	518.699	24	320.764
16	▲	CC17x2-36L-730-4K7-3	556	388.75	24	332.945
17	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1144.311	424.639	3.5	54.664
18	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1173.818	411.424	3.5	234.75
19	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1194.483	386.949	3.5	51.791
20	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1223.168	373.206	3.5	227.562
21	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1243.748	350.293	3.5	52.055
22	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1273.589	334.134	3.5	231.876
23	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1273.39	311.814	3.5	51.815
24	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1271.376	623.477	3.5	60.327
25	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1306	613.25	3.5	242.021
26	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1326.969	592.411	3.5	66.743
27	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1357.452	583.137	3.5	241.212
28	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1381.005	561.77	3.5	62.259
29	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1411.275	551.353	3.5	243.284
30	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1435.149	532.659	3.5	61.188
31	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1425.542	576.207	3.5	316.831
32	▲	WTA-27-VS-CP-BR-PC (11W, 4000	1448.467	592.156	3.5	134.697

NOTE:
THE PROPOSED PROJECT WILL MEET THE REQUIRED CONSERVATION MEASURES NOTED ABOVE. FURTHERMORE, AT THE REQUEST OF THE US FISH AND WILDLIFE SERVICE, THE APPLICANT AGREES TO AVOID CUTTING TREES DURING THE COLDEST WINTER MONTHS (DECEMBER 15 - FEBRUARY 14) AND THE EARLY PART OF THE BREEDING SEASON (APRIL 15 - JULY31). ADDITIONALLY, LIGHT-EMITTING DIODE FIXTURES WILL BE USED, AND CUTOFFS UTILIZED ON PARKING LOT FIXTURES TO MINIMIZE OFF-SITE INTRUSION AS MUCH AS POSSIBLE.

LUMINAIRE SCHEDULE								
SYMBOL	QTY	LABEL	ARRANGEMENT	DESCRIPTION	TAG	LLF	LUMINAIRE LUMENS	TOTAL WATTS
▲	7	CC17x2-36L-730-4K7-3	SINGLE	CC17x2-36L-730-4K7-3		1.000	9297	84.52
▲	16	WTA-27-VS-CP-BR-PC (11W, 4000	SINGLE	WTA-27-VS-CP-BR-PC (11W, 4000K)		1.000	1700	10.57
▲	2	CC21x2-72L-700-5K7-3_1_tway	SINGLE	1way		1.000	17871	158.56
▲	4	CC21x2-72L-700-5K7-4W_1	BACK-BACK	2way		1.000	18663	158.6
▲	3	CC21x2-72L-700-5K7-4W	SINGLE	CC21x2-72L-700-5K7-4W		1.000	18663	158.6

1 LIGHTING POINT BY POINT SITE PLAN
E105 (PEDESTRIAN & PARKING LOT) 1"=30'-0"



ELECTRICAL DESIGN BY:
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1/1/25	60% DD SET		

CURRITUCK COUNTY

CURRITUCK COMMUNITY PARK, PHASE III
SHORTCUT RD., BARCO ~ CURRITUCK COUNTY ~ NORTH CAROLINA

PEDESTRIAN & PARKING LOT
LIGHTING POINT BY POINT

DESIGNED BY: REP

DRAWN BY: WAW

CHECKED BY: REP

PROJECT No. 2022109

DRAWING No. W-4080

SCALE: AS SHOWN

#1625 | LD6359

SHEET No.

E105

ELECTRICAL CONTRACTOR RESPONSIBILITIES

GENERAL:

1. COMPLETE ACCESS TO THE SITE FOR CONSTRUCTION UTILIZING 2-WHEEL DRIVE RUBBER TIRE EQUIPMENT.
2. LOCATE EXISTING UNDERGROUND UTILITIES NOT COVERED BY YOUR LOCAL UTILITIES, (I.E., WATER LINES, ELECTRICAL LINES, IRRIGATION SYSTEMS, AND SPRINKLER HEADS). MUSCO OR SUBCONTRACTOR WILL NOT BE RESPONSIBLE FOR REPAIRS TO UNMARKED UTILITIES.
3. LOCATE AND MARK FIELD BOUNDARY LINES PER MUSCO SUPPLIED LAYOUT. (I.E. HOME PLATE, CENTER OF FB FIELD)
4. PAY FOR EXTRA COSTS ASSOCIATED WITH FOUNDATION EXCAVATION IN NON-STANDARD SOILS (ROCK, CALICHE, HIGH WATER TABLE, COLLAPSING HOLES, ETC.) OR SOILS NOT DEFINED IN GEO-TECHNICAL REPORT. STANDARD SOILS ARE DEFINED AS SOILS THAT CAN BE EXCAVATED USING STANDARD EARTH AUGURING EQUIPMENT
5. ALL ELECTRICAL NEEDS FOR THE LIGHTING SYSTEM PER MUSCO CONTROL SUMMARY
6. PROVIDE AREA ON SITE FOR DISPOSAL OF SPOILS FROM FOUNDATION EXCAVATION
7. PAY ALL PERMITTING FEES AND OBTAIN THE REQUIRED ELECTRICAL PERMITTING.

ELECTRICAL:

1. PROVIDE MATERIALS AND EQUIPMENT TO UPGRADE ELECTRICAL SERVICE PANELS AS REQUIRED. 480V THREE PHASE.
2. PROVIDE MATERIALS AND EQUIPMENT TO INSTALL ALL UNDERGROUND CONDUIT, WIRING, PULL BOXES, ETC. AND TERMINATE WIRING AS REQUIRED.

MUSCO RESPONSIBILITIES:

1. PROVIDE REQUIRED FOUNDATIONS, POLES, ELECTRICAL ENCLOSURES, WIRE HARNESSSES, FIXTURES, AND CONTROL CABINETS.
2. PROVIDE LAYOUT OF POLE LOCATIONS AND AIMING DIAGRAM.
3. PROVIDE PROJECT MANAGEMENT AS REQUIRED.
4. PROVIDE F PAD FOUNDATION DESIGN INFORMATION SHEET
5. ASSIST OUR INSTALLING SUBCONTRACTOR AND ENSURE OUR RESPONSIBILITIES ARE SATISFIED.

MUSCO SUBCONTRACTOR RESPONSIBILITIES

GENERAL:

1. CONTACT B11> FOR LOCATING UNDERGROUND UTILITIES AND THEN CONFIRM THEY HAVE BEEN CLEARLY MARKED.
 2. CONTACT THE FACILITY OWNER/MANAGER TO CONFIRM THE EXISTING PRIVATE UNDERGROUND UTILITIES AND IRRIGATION SYSTEMS HAVE BEEN LOCATED AND ARE CLEARLY MARKED TO AVOID DAMAGE FROM CONSTRUCTION EQUIPMENT. ADVISE OWNER ANY SUCH DAMAGE DURING CONSTRUCTION.
 3. PROVIDE LABOR, EQUIPMENT, AND MATERIALS TO OFF LOAD EQUIPMENT AT JOBSITE PER SCHEDULED DELIVERY. CONTROL AND MONITORING CABINETS WILL NEED TO BE GIVEN TO ON-SITE CUSTOMER REPRESENTATIVE.
 4. PROVIDE STORAGE CONTAINERS FOR MATERIALS (INCLUDING ELECTRICAL COMPONENTS ENCLOSURES) AS NEEDED.
 5. PROVIDE NECESSARY WASTE DISPOSAL AND DAILY CLEANUP.
 6. PROVIDE ADEQUATE SECURITY TO PROTECT MUSCO DELIVERED PRODUCTS FROM THEFT, VANDALISM, OR DAMAGE DURING THE INSTALLATION.
 7. KEEP ALL HEAVY EQUIPMENT OFF PLAYING FIELDS WHEN POSSIBLE. REPAIR DAMAGE TO GROUNDS WHICH EXCEEDS THAT WHICH WOULD BE EXPECTED. INDENTATIONS CAUSED BY HEAVY EQUIPMENT TRAVELING OVER DRY GROUND WOULD BE AN EXAMPLE OF EXPECTED DAMAGE. RUTS AND SOD DAMAGE CAUSED BY EQUIPMENT TRAVELING OVER WET GROUNDS WOULD BE AN EXAMPLE OF DAMAGE REQUIRING REPAIR.
 8. COMMENCE INSTALLATION UPON DELIVERY AND PROCEED WITHOUT INTERRUPTION UNTIL COMPLETE. NOTIFY MUSCO IMMEDIATELY OF ANY BREAKS IN SCHEDULE OR DELAYS.
- FOUNDATIONS, POLES, AND LUMINAIRES:
1. MARK AND CONFIRM POLE LOCATIONS PER THE AIMING DRAWING PROVIDED. IF THERE ARE ANY ISSUES, IMMEDIATELY NOTIFY YOUR MUSCO PROJECT MANAGER.
 2. PROVIDE LABOR, MATERIALS, AND EQUIPMENT TO INSTALL 10 LSS FOUNDATIONS AS SPECIFIED ON LAYOUT AND PER THE STAMPED FOUNDATION DRAWINGS, IF APPLICABLE.
 3. REMOVE SPOILS TO OWNER DESIGNATED LOCATION AT JOBSITE.
 4. PROVIDE LABOR, MATERIALS, AND EQUIPMENT TO ASSEMBLE MUSCO TLC-LED FIXTURES, ELECTRICAL ENCLOSURES, POLES, AND POLE HARNESSSES.
 5. PROVIDE LABOR, EQUIPMENT, AND MATERIALS TO ERECT DRESSED 10 LSS POLES AND AIM UTILIZING THE POLE ALIGNMENT BEAM.

CODE OF CONDUCT

IN ORDER TO MAINTAIN A HIGH-QUALITY JOBSITE AND INSTALLATION, SUBCONTRACTOR REPRESENTS MUSCO THAT IT HAS THE SUPERVISION NECESSARY TO, AND SHALL TRAIN, MANAGE, SUPERVISE, MONITOR, AND INSPECT THE ACTIVITIES OF ITS EMPLOYEES FOR THE PURPOSE OF ENFORCING COMPLIANCE WITH THESE SAFETY REQUIREMENTS. SUBCONTRACTOR ACKNOWLEDGES THAT MUSCO DOES NOT UNDERTAKE ANY DUTY TOWARD SUBCONTRACTOR'S EMPLOYEES TO TRAIN, MANAGE, SUPERVISE, MONITOR, AND INSPECT THEIR WORK ACTIVITIES FOR THE PURPOSE OF ENFORCING COMPLIANCE WITH THESE SAFETY REQUIREMENTS, BUT SUBCONTRACTOR AGREES TO ABIDE BY ANY REASONABLE RECOMMENDATIONS MADE BY MUSCO OR MUSCO REPRESENTATIVES WITH RESPECT TO SAFETY.

SUBCONTRACTOR AGREES THAT IT IS OR WILL BE FAMILIAR WITH AND SHALL ABIDE BY THE SAFETY RULES AND REGULATIONS OF MUSCO AND THE OWNER, INCLUDING, BUT NOT LIMITED TO THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA), ALL RULES AND REGULATIONS ESTABLISHED PURSUANT THERETO, AND ALL AMENDMENTS AND SUPPLEMENTS THERETO.

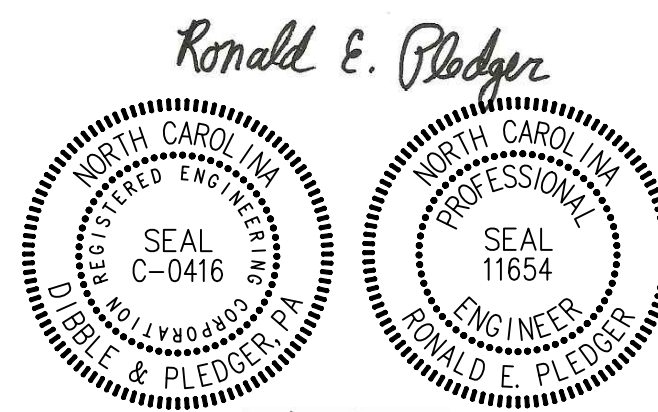
SUBCONTRACTOR FURTHER AGREES TO REQUIRE ALL ITS EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS TO COMPLY WITH THESE REQUIREMENTS. SUBCONTRACTOR SHALL ALSO OBSERVE AND COMPLY WITH ALL LAWS WITH RESPECT TO ENVIRONMENTAL PROTECTION APPLICABLE TO THE PROJECT.

SUBCONTRACTOR SHALL REQUIRE ALL ITS SUBCONTRACTORS, EMPLOYEES, VISITORS, SUPPLIERS, AND AGENTS UNDER ITS DIRECTION TO COMPLY WITH THE FOLLOWING:

- GENERAL JOBSITE SAFETY AND CLEANLINESS.
- a. SUBCONTRACTOR'S EMPLOYEES AND AGENTS SHALL BE REQUIRED TO WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT INCLUDING, BUT NOT LIMITED TO, SAFETY GLASSES WITH SIDE SHIELDS, WORK SHOES, FALL PROTECTION DEVICES, AND HARD HATS.
 - b. WHERE A WALKING OR WORKING SURFACE HAS AN UNPROTECTED SIDE OR EDGE WHICH IS SIX FEET OR MORE ABOVE A LOWER LEVEL, SUBCONTRACTOR SHALL USE GUARDRAIL SYSTEMS, SAFETY NET SYSTEMS, OR PERSONAL FALL ARREST SYSTEMS.
 - c. JOBSITE SHALL BE KEPT FREE OF DEBRIS INCLUDING, BUT NOT LIMITED TO, CARDBOARD AND PACKING MATERIALS WHICH CAN BECOME WINDBORNE.
 - d. CONSTRUCTION EQUIPMENT SHALL BE PARKED DURING NON-USE IN AN ORDERLY FASHION SO AS NOT TO CREATE INCONVENIENCE TO OTHERS USING THE JOBSITE.
 - e. SUBCONTRACTOR SHALL PROVIDE FOR AND ENSURE THE USE OF SAFETY EQUIPMENT FOR THE PROJECT IN ACCORDANCE WITH MUSCO'S AND OWNER'S SAFETY REQUIREMENTS, TO THE EXTENT THESE MAY BE STRICTER THAN FEDERAL, STATE, OR LOCAL STANDARDS, OR GENERALLY RECOGNIZED INDUSTRY APPLICABLE STANDARDS.
 - f. SUBCONTRACTOR SHALL PROVIDE THE MUSCO PROJECT MANAGER WITH AN "EMERGENCY LIST" SHOWING SUBCONTRACTOR'S DESIGNATED MEDICAL DOCTOR, HOSPITAL, INSURANCE COMPANY, AND ANY OTHER HEALTH SERVICE PROVIDERS, SUCH LIST TO BE UPDATED WITHIN 24 HOURS OF ANY CHANGE IN THE INFORMATION PROVIDED.
 - g. WITHIN EIGHT (8) HOURS FROM THE TIME OF AN ACCIDENT (OR SUCH SHORTER PERIOD AS LAWS MAY REQUIRE), SUBCONTRACTOR SHALL ADVISE MUSCO OF ANY ACCIDENT RESULTING IN INJURY TO ANY PERSON OR DAMAGE TO ANY EQUIPMENT OR FACILITY. UPON REQUEST, SUBCONTRACTOR SHALL PROMPTLY FURNISH MUSCO WITH A WRITTEN REPORT OF ANY SUCH ACCIDENT AS WELL AS A COPY OF ALL INSURANCE AND WORKER'S COMPENSATION CLAIMS INVOLVING THE PROJECT.
 - h. SUBCONTRACTOR SHALL MAINTAIN AND INSPECT ALL CONSTRUCTION EQUIPMENT, INCLUDING CRANES AND OTHER LIFTING EQUIPMENT, PRIOR TO EACH USE. SUBCONTRACTOR WARRANTS THAT ALL EQUIPMENT OPERATORS SHALL BE QUALIFIED FOR EACH PIECE OF CONSTRUCTION EQUIPMENT THEY INTEND TO OPERATE. DOCUMENTATION OF SPECIFIC TRAINING IS THE RESPONSIBILITY OF THE SUBCONTRACTOR.
 - i. JOBSITE SHALL BE POLICED DAILY FOR COMPLIANCE TO THE ABOVE CONDITIONS.
 - j. SUBCONTRACTOR'S EMPLOYEES AND AGENTS ARE PROHIBITED FROM USING DRUGS AND ALCOHOL ON THE PROJECT PROPERTY OR BEING UNDER THE INFLUENCE OF ALCOHOL OR DRUGS WHILE PERFORMING WORK ON THE PROJECT. ANYONE OBSERVED PARTICIPATING IN OR OBSERVED UNDER THE INFLUENCE WILL BE REMOVED FROM THE PROJECT IMMEDIATELY AND PROHIBITED FROM RETURNING, WITH NO EXCEPTIONS.
2. CONFORMANCE TO STANDARD MUSCO INSTALLATION GUIDELINES.
- a. REVIEW AND UNDERSTAND INSTALLATION INSTRUCTIONS ARE PROVIDED WITH EVERY PRODUCT INSTALLATION.
 - b. EDUCATION OF INSTALLATION PERSONNEL TO ALLOW FOR HIGHEST EFFICIENCY AND LOWEST POSSIBILITY OF FAILURE.
 - c. VERIFY THAT COMPONENTS HAVE BEEN ASSEMBLED PER MUSCO INSTALLATION INSTRUCTIONS.
 - d. VERIFY PLUMB OF CONCRETE FOUNDATIONS PRIOR TO STANDING OF POLES.
3. PROVIDING A QUALITY INSTALLATION TEAM.
- a. SUBCONTRACTOR'S WORK DIRECTLY REFLECTS THE QUALITY OF THE INSTALLATION AND MAY INDIRECTLY RELATE TO THE QUALITY OF THE PRODUCT UPON WHICH MUSCO'S REPUTATION IS BUILT.
 - b. PROVIDE AND MAINTAIN QUALITY INSTALLATION EQUIPMENT. RECORDS OF MAINTENANCE AND/OR CALIBRATION SHALL BE PROVIDED UPON REQUEST.
 - c. PERSONNEL SHALL BE KNOWLEDGEABLE IN OPERATION OF EQUIPMENT AS WELL AS INSTALLATION OF MUSCO PRODUCT.
 - d. ALL PERSONNEL PROVIDED BY SUBCONTRACTOR SHALL UNDERSTAND THE RELATIONSHIP DEVELOPED BY AND BETWEEN SUBCONTRACTOR AND MUSCO, ALSO BY AND BETWEEN MUSCO AND THE CUSTOMER, AND ACT ACCORDINGLY.

1 SCOPE OF WORK: LIGHT - STRUCTURE SYSTEM - POLE IN THE AIR
E106 ELECTRICAL CONTRACTOR NOTES N.T.S.

N.T.S.



8/20/2025

#1625	LD6359
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ELECTRICAL DESIGN BY:
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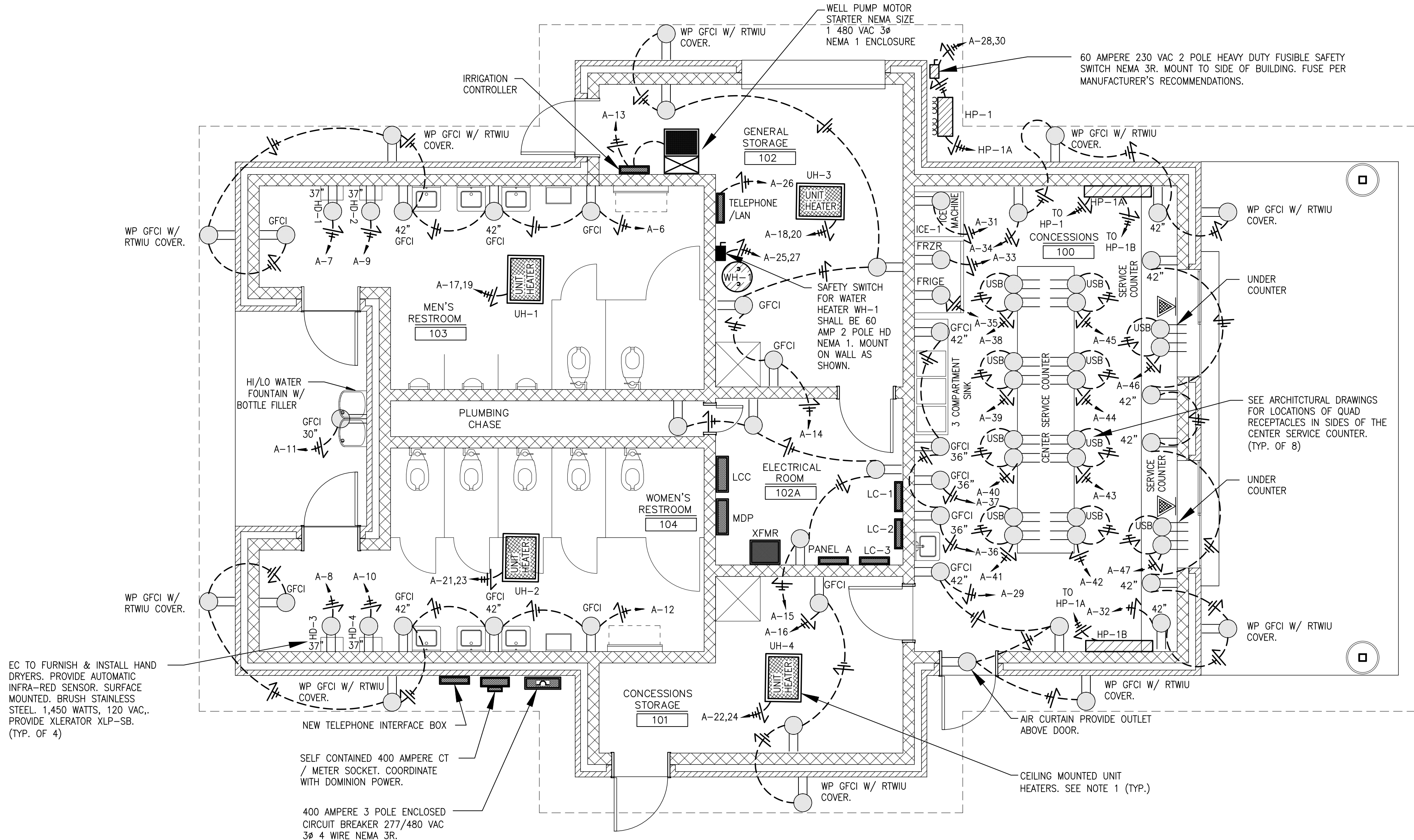
CURRITUCK COUNTY
CURRITUCK COMMUNITY PARK, PHASE III
SHORTCUT RD., BARCO – CURRITUCK COUNTY – NORTH CAROLINA
PEDESTRIAN & PARKING LOT
FIGHTING POINT BY POINT

DESIGNED BY:	REF
DRAWN BY:	WAW
CHECKED BY:	REF
PROJECT No.	2022109
DRAWING No.	W-4080
SCALE:	AS SHOWN
SHEET No.	

E1 06



E201



NOTE 1

CEILING MOUNTED UNIT HEATERS SHALL BE ELECTRIC AUTOMATIC FAN FORCED HEATERS. HEATERS SHALL BE RECESSED MOUNTED WITH BACK BOX AND FIVE BLADE ALUMINUM FAN. PROVIDE DOUBLE POLE SINGLE THROW DISCONNECT ON BACK BOX. INCLUDE FAN DELAY AND SWITCH LOW VOLTAGE TRANSFORMER. HEATING ELEMENTS SHALL BE OF 80/20 NICH RESISTANCE WIRE IN A STEEL SHEATH. INCLUDE INTEGRAL THERMOSTAT. PROVIDE AS INDEECO 93F-F4007-N, 3,000 WATTS 240 VAC, 10,239 BTUH OR APPROVED EQUAL.

NOTE 2

MUSCO SHALL FURNISH PRIMARY CONTROL & MONITORING CABINET (LCC).
PRIMARY CONTROL & MONITORING CABINET PROVIDED BY MUSCO SHALL BE INSTALLED BY CONTRACTOR INSIDE CONCESSION BUILDING ELECTRICAL ROOM, INTEGRATED INTO THE SERVICE RACK AND LOCATED AS PER ELECTRICAL PLANS.

SEE "BALLFIELD LIGHTING NOTES" ON SHEET E101.

1 POWER INSTALLATION PLAN
E301 CONCESSION BUILDING 1/4" = 1'-0"

GENERAL ELECTRICAL NOTES:

- ALL WORK SHALL CONFORM TO THE 2023 EDITION OF THE NATIONAL ELECTRIC CODE, OSHA, NATIONAL ELECTRIC SAFETY CODE, AND ALL APPLICABLE STATE CODES.
- ELECTRICAL WORK WILL BEGIN AT THE NEW SERVICE ENTRANCE FOR THIS FACILITY. SEE NOTE 23.
- UTILIZE EMT CONDUIT IN CONCEALED SPACES ABOVE GRADE AND ABOVE CEILINGS. CONDUIT LARGER THAN 2-1/2" SHALL BE RIGID GALVANIZED STEEL. CONDUIT 2-1/2" & BELOW MAY BE EMT. USE RIGID GALVANIZED CONDUIT EXTERIOR ABOVE GRADE. USE SCH 40 PVC CONDUIT BELOW GRADE. CONCEAL ALL CONDUIT WITHIN BUILDING STRUCTURE.
- WIRING DEVICES SHALL BE MOUNTED AS FOLLOWS UNLESS SPECIFIED OTHERWISE:
A. RECEPTACLES, OUTLETS, ETC. - 18" TO BOTTOM OF BOX UNLESS NOTED OTHERWISE.
B. SWITCHES - 48" TO TOP OF BOX
- ALL WIRING DEVICES SHALL BE IVORY WITH STAINLESS STEEL COVERS. ALL WIRING DEVICES SHALL BE 20 AMPERE RATED INDUSTRIAL SPECIFICATION GRADE.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
- CIRCUIT BREAKER INTERRUPTING RATINGS SHALL BE AS FOLLOWS:
230 VAC
LESS THAN 400 - 10,000 AIC
400 - 800 - 25,000 AIC
480 VAC
LESS THAN 400 - 18,000 AIC
400 - 800 - 25,000 AIC
- ALL WIRE TO BE COPPER. ALL INSULATION TO BE THHN/THWN.
- VOLTAGE: SYSTEM VOLTAGE IS 277/480 VAC THREE PHASE 4 WIRE WYE.
- MAINTAIN SEPARATION AND ISOLATE NEUTRAL AND EQUIPMENT GROUNDING BEYOND SERVICE ENTRANCE.
- MECHANICAL CONTRACTOR TO PROVIDE DISCONNECTS, FUSES, AND LOAD SIDE WIRING FOR THE MECHANICAL EQUIPMENT. ELECTRICAL CONTRACTOR TO PROVIDE LINE SIDE WIRING UNLESS NOTED OTHERWISE. (WATER HEATERS HAVE ALL WIRING & SWITCHES BY ELECTRICAL CONTRACTOR.)
- ELECTRICAL CONTRACTOR SHALL COORDINATE LUG SIZES FOR PANELS AND SERVICE ENTRANCE EQUIPMENT TO MATCH WIRE SIZES SPECIFIED.
- PROVIDE DATA/COMMUNICATION RACEWAY & CABLE TO TELEPHONE INTERFACE BOX. COORDINATE FOR DEVICE CONNECTIONS.
- COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT MECHANICAL EQUIPMENT LOCATIONS.
- USE FLEXIBLE METALLIC CONDUIT FOR LAY-IN LIGHTING FIXTURE TERMINATIONS. SECURE FLEX TO NEAREST POINT.
- PROVIDE HANDLE LOCK ON DEVICE FOR ALL EXIT LIGHTING CIRCUIT BREAKERS IN THEIR ASSOCIATED PANELBOARDS.
- MOUNT EXTERIOR FIXTURES ABOVE FINISHED GRADE AS DESIGNATED.
- PANELBOARDS SHALL BE SQUARE D, CUTLER HAMMER, OR GENERAL ELECTRIC. LOADCENTERS ARE NOT ACCEPTABLE.
- PROVIDE TAMPER RESISTANT RECEPTACLES FOR ALL NEW RECEPTACLES.
- ALL OUTLET LOCATIONS MAY BE MOVED UP TO ±10 FT. CONFIRM WITH ARCHITECT.
- ROUTE TELEPHONE CABLE AS CATEGORY 6 ENHANCED TO TELEPHONE INTERFACE BOX AND ROUTE TO 24"x24"x8 TELEPHONE LAN BOX IN EQUIPMENT ROOM.
- ELECTRICAL WORK SHALL BEGIN AT THE NEW SERVICE ENTRANCE. COORDINATE WITH LOCAL ELECTRIC UTILITY. CONTRACTOR SHALL COORDINATE & PAY ALL ELECTRIC DEPARTMENT CHARGES FOR ANY NEW SERVICE ENTRANCE. PROVIDE NEW UNDERGROUND SERVICE WHERE INDICATED.

SPORTS FLOODS	51.4 KW
PARKING LOT / PRESTRIANS	3.5 KW
CONCESSIONS BUILDING	
LIGHTING	1.5 KW
HVAC	1.6 KW
MISCELLANEOUS / RECPT. LOADS	6.0 KW
WATER HEATER	4.5 KW
TOTAL	77.6 KW

2 ELECTRICAL LOAD SUMMARY
E301 N.T.S.

ELECTRICAL LEGEND

- NEW LIGHTS
- EXISTING LIGHTS TO REMAIN
- EXISTING LIGHTS TO BE REMOVED
- DIRECT BURIAL UNDERGROUND CONDUIT
- NEW WIRE & CONDUIT
- WORK AREA
- EXISTING WIRE AND CONDUIT
- EXISTING WIRE AND CONDUIT TO BE REMOVED. REMOVE WIRE COMPLETELY. REMOVE CONDUIT ABOVE GRADE. ABANDON CONDUIT BELOW GRADE.
- EXISTING EQUIPMENT TO REMAIN
- EXISTING EQUIPMENT TO BE RELOCATED
- NEW EQUIPMENT
- EXISTING EQUIPMENT TO BE REMOVED
- CONDUIT AND CABLE IDENTIFICATION
- CIRCUIT HOME RUN W/ ONE UNGROUNDED ONE NEUTRAL & ONE GROUNDING CONDUCTOR
- LINE SIDE OF LOCAL SWITCH
- NEW CABLE TV OUTLET
- FLOOR MOUNTED BOX WITH DUPLEX RECEPTACLES & FLUSH COVER.
- ELECTRONIC KEY FOB (110V)
- 1 HOUR RATED WALL
- 2 HOUR RATED WALL
- NEW FLOOR BOX RECEPTACLE.
- NEW TELEPHONE / DATA OUTLET
- CONDUIT AND CABLE IDENTIFICATION
- LIGHTING FIXTURE IDENTIFICATION
- GROUND FAULT CURRENT INTERRUPTING
- SINGLE POLE LIGHTING SWITCH
- THREE WAY LIGHTING SWITCH
- HD SAFETY SWITCH
- JUNCTION BOX
- FLOW SWITCH
- TAMPER SWITCH
- CIRCUIT BREAKER AND AMPERAGE
- REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E-2
- QUAD RECEPTACLES - 2 DUPLEX OUTLETS 2 GANG BOX
- 230 VOLT OUTLET
- CEILING MOUNTED OCCUPANCY SENSOR
- NEW RECEPTACLE WITH USB PORTS
- FLOOR MOUNTED WALKER BOX WITH 2 DUPLEX RECEPTACLES & FLUSH COVER.
- NEW RECEPTACLE
- RECEPTACLE - WEATHERPROOF GROUND FAULT INTERRUPTING RAIN TIGHT WHILE IN USE COVER
- WALL MOUNTED OCCUPANCY SENSOR ON/OFF SWITCH
- NIGHT LIGHT
- AIR CURTAIN
- NOT IN CONTRACT

Ronald E. Pledger
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
SEAL C-0416
11654
8/20/2025
#1625 LD6359

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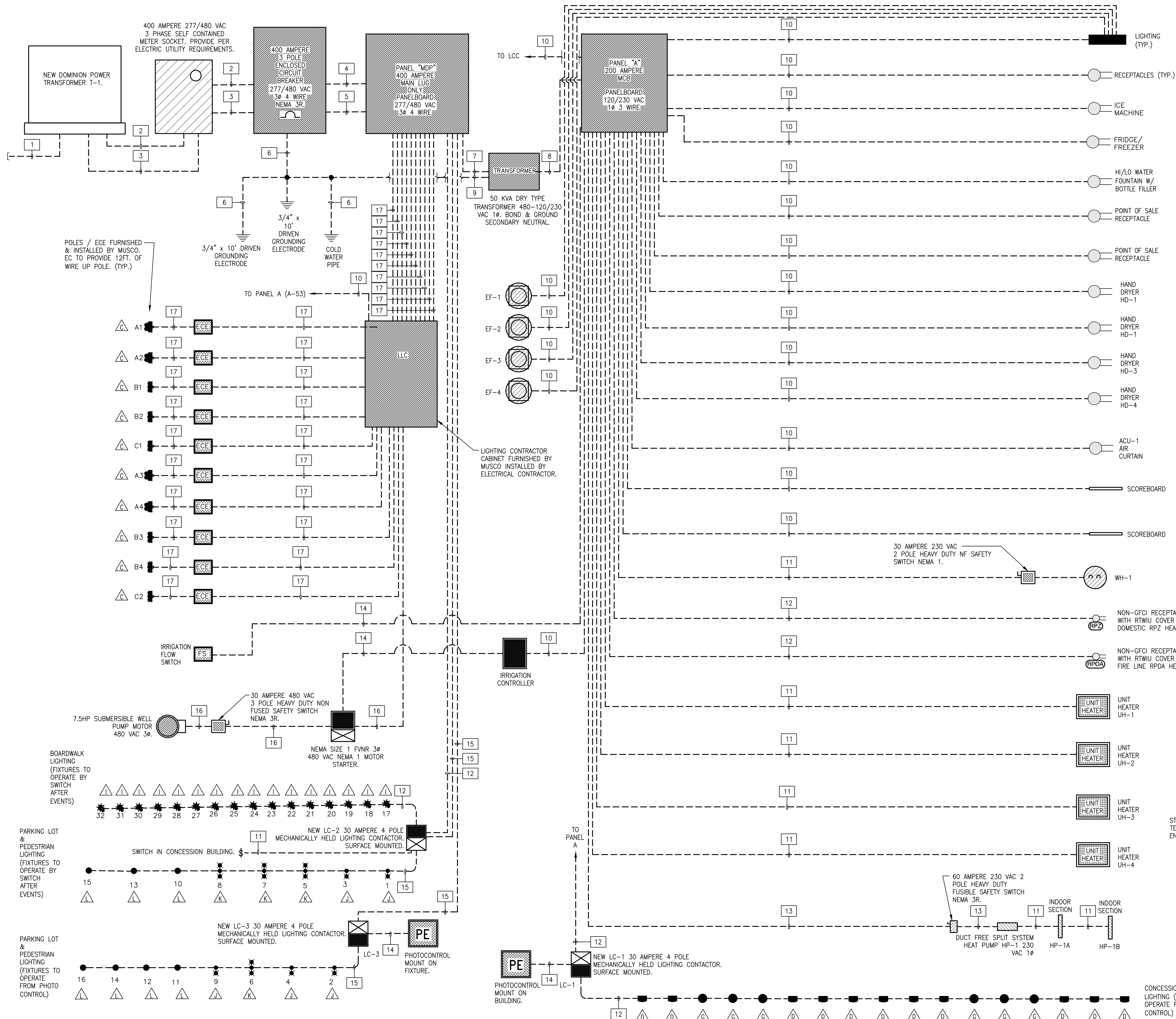
ISSUE/REVISIONS:			
		DATE	BY
		9/30/25	
		1/14/25	

CURRITUCK COUNTY
CURRITUCK COMMUNITY PARK, PHASE III
SHORTCUT RD., BARCO ~ CURRITUCK COUNTY ~ NORTH CAROLINA
CONCESSION BUILDING FLOOR PLAN
POWER INSTALLATION PLAN

DESIGNED BY:	REP
DRAWN BY:	WAW
CHECKED BY:	REP
PROJECT No.	2022109
DRAWING No.	W-4080
SCALE:	AS SHOWN

SHEET No.

E301

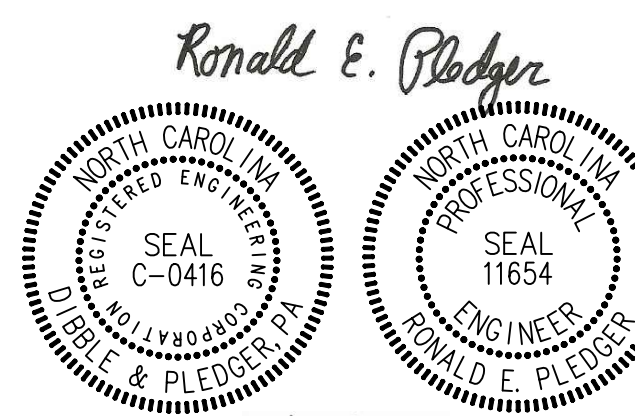
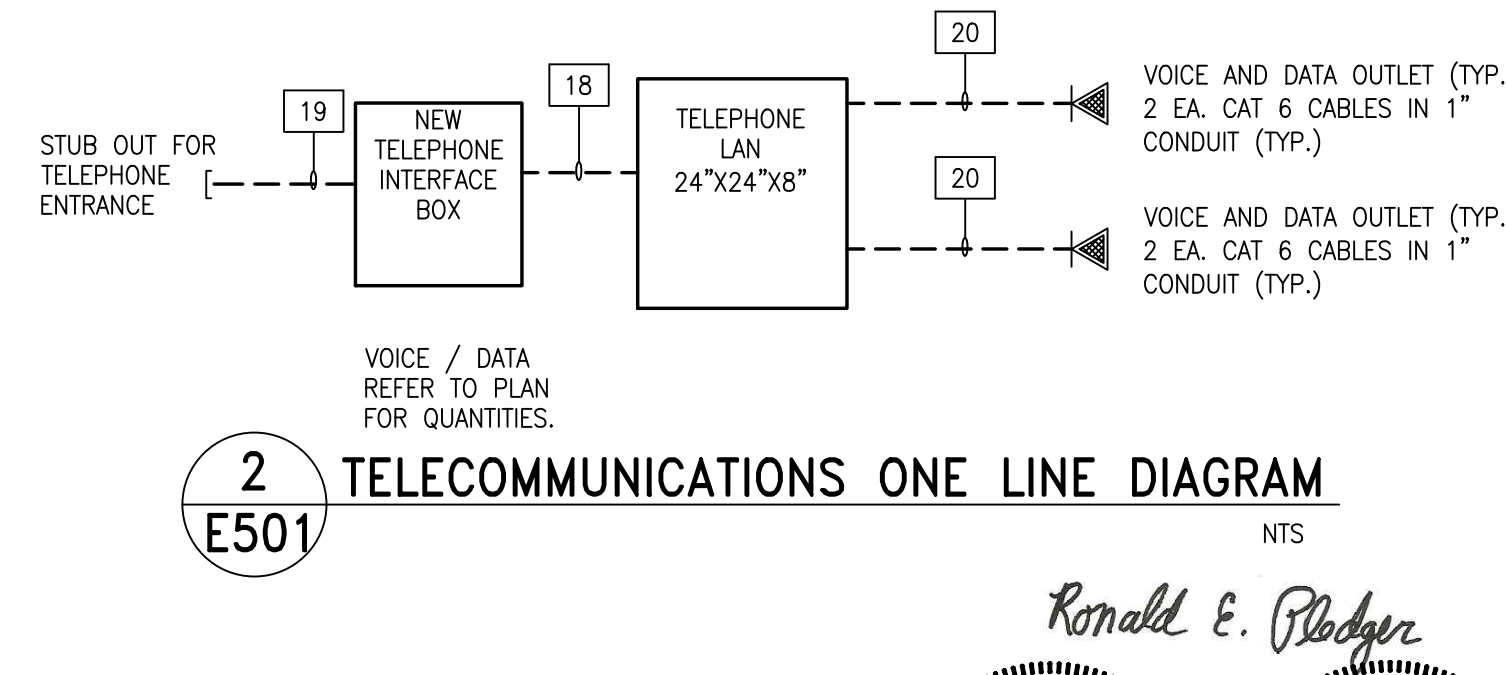


1 ONE LINE DIAGRAM - ELECTRICAL
E501 N.T.S.

CONDUIT & CABLE SCHEDULE

- ALL CONDUCTORS TO BE COPPER
- 4" SPARE CONDUIT FOR ELECTRICAL UTILITY
 - 3 - 3/0 AWG CU THHN/THWN UNGROUNDED CONDUCTORS
1 - 3/0 AWG CU THHN/THWN NEUTRAL CONDUCTOR
2-1/2" CONDUIT IN PARALLEL WITH CONDUIT 3
 - 3 - 3/0 AWG CU THHN/THWN UNGROUNDED CONDUCTORS
1 - 3/0 AWG CU THHN/THWN NEUTRAL CONDUCTOR
2-1/2" CONDUIT IN PARALLEL WITH CONDUIT 2
 - 3 - 3/0 AWG CU THHN/THWN UNGROUNDED CONDUCTORS
1 - 3/0 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 - #3 AWG CU THHN/THWN GROUNDING CONDUCTOR
2-1/2" CONDUIT IN PARALLEL WITH CONDUIT 5
 - 3 - 3/0 AWG CU THHN/THWN UNGROUNDED CONDUCTORS
1 - 3/0 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 - #3 AWG CU THHN/THWN GROUNDING CONDUCTOR
2-1/2" CONDUIT IN PARALLEL WITH CONDUIT 4
 - 1 - 3/0 AWG CU THHN/THWN GROUNDING CONDUCTOR
3/4" CONDUIT
 - 2 1/0 AWG CU THHN/THWN UNGROUNDED CONDUCTOR
1 1/0 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 #6 AWG CU THHN/THWN GROUNDING CONDUCTOR
2" CONDUIT
 - 2 3/0 AWG CU THHN/THWN UNGROUNDED CONDUCTOR
1 3/0 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 #2 AWG CU THHN/THWN GROUNDING CONDUCTOR
2" CONDUIT
 - 1 - #2 AWG CU THHN/THWN GROUNDING CONDUCTOR
3/4" CONDUIT
 - 1 #12 AWG CU THHN/THWN UNGROUNDED CONDUCTOR
1 #12 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 #12 AWG CU THHN/THWN GROUNDING CONDUCTOR
3/4" CONDUIT
 - 2 #10 AWG CU THHN/THWN UNGROUNDED CONDUCTOR
1 #10 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 #10 AWG CU THHN/THWN GROUNDING CONDUCTOR
3/4" CONDUIT
 - 1 #10 AWG CU THHN/THWN UNGROUNDED CONDUCTOR
1 #10 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 #10 AWG CU THHN/THWN GROUNDING CONDUCTOR
3/4" CONDUIT
 - 2 #8 AWG CU THHN/THWN UNGROUNDED CONDUCTOR
1 #8 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 #10 AWG CU THHN/THWN GROUNDING CONDUCTOR
1" CONDUIT
 - 4 - #14 AWG CU THHN/THWN UNGROUNDED CONDUCTORS
1 - #14 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 - #14 AWG CU THHN/THWN GROUNDING CONDUCTOR
3/4" CONDUIT
 - 1 #8 AWG CU THHN/THWN UNGROUNDED CONDUCTOR
1 #8 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 #10 AWG CU THHN/THWN GROUNDING CONDUCTOR
1" CONDUIT
 - 3 #10 AWG CU THHN/THWN UNGROUNDED CONDUCTOR
1 #10 AWG CU THHN/THWN NEUTRAL CONDUCTOR
1 #10 AWG CU THHN/THWN GROUNDING CONDUCTOR
3/4" CONDUIT
 - 3 #8 AWG CU THHN/THWN UNGROUNDED CONDUCTOR
1 #10 AWG CU THHN/THWN GROUNDING CONDUCTOR
1-1/2" CONDUIT
 - 8 CAT 6 CABLES
2" CONDUIT
 - 2" SPARE CONDUIT FOR UTILITY
 - CATEGORY 6 VOICE / DATA CABLE 3/4" CONDUIT

2 TELECOMMUNICATIONS ONE LINE DIAGRAM
E501 N.T.S.



8/20/2025

ELECTRICAL DESIGN BY:
DIBBLE & PLEDGER, P.A.
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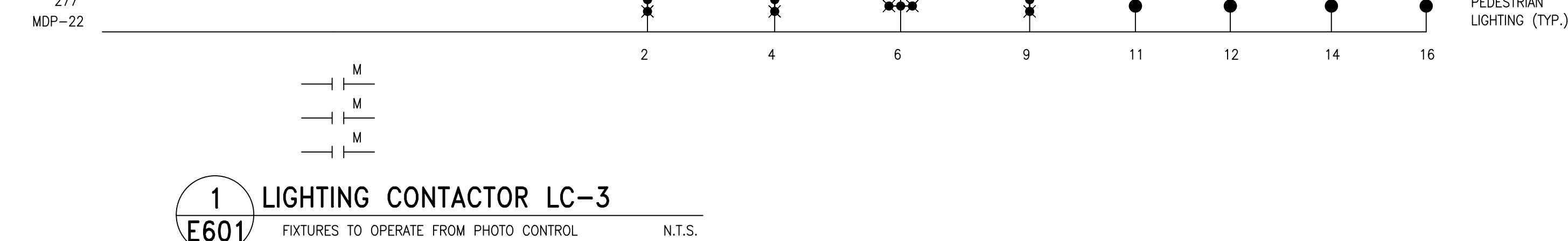
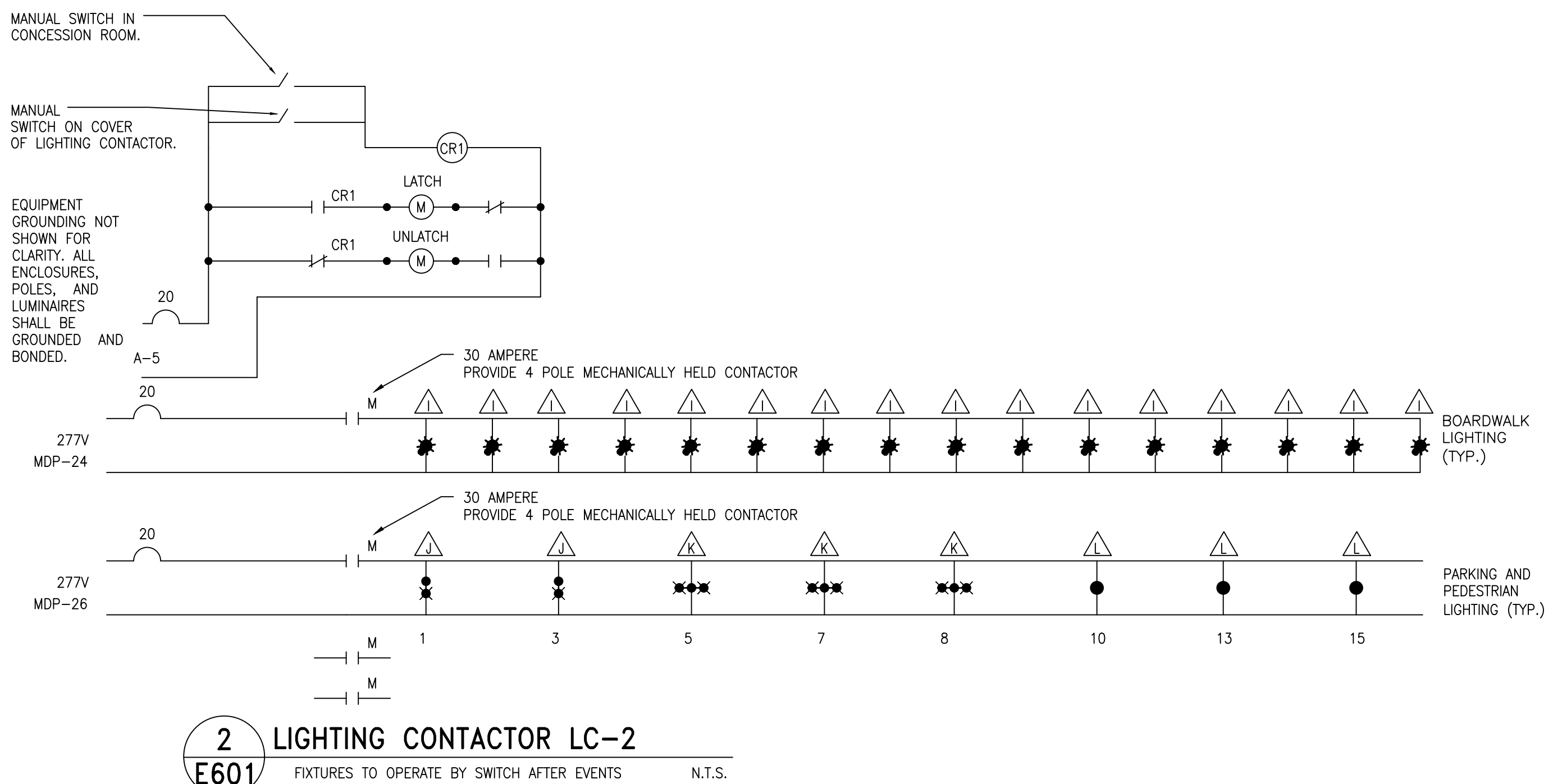


ISSUE/REVISIONS:				DATE	BY
NO.	DESCRIPTION	DATE	BY		
1	ISSUE FOR 100% CDS	9/30/25			
2	60% DD SET	1/1/25			

CURRITUCK COUNTY
CURRITUCK COMMUNITY PARK, PHASE III
SHORTCUT RD., BARCO - CURRITUCK COUNTY - NORTH CAROLINA
ELECTRICAL ONE LINE DIAGRAM

DESIGNED BY: REP
DRAWN BY: WAW
CHECKED BY: REP
PROJECT No. 2022109
DRAWING No. W-4080
SCALE: AS SHOWN
SHEET No.

E501



PANEL "MDP"
(10,000 MIN. AIC INTERRUPTING)


 A B C

BRANCH CIRCUITS OVER 75 FT. LENGTH.)

PROVIDE ARC FAULT HAZARD WARNING SIGNAGE. PROVIDE PHENOLIC LABELS WITH NAME, VOLTAGE, & PHASE.

200 AMPERE MAIN CIRCUIT BREAKER
120/230 VAC 1 PHASE 3 WIRE 60HZ
FACTORY ASSEMBLED, BOLT-ON BREAKERS, 100%
COPPER NEUTRAL & GROUNDING BUSES, SURFACE
MOUNTED NEMA 1 ENCLOSURE

PANEL "A"

(10,000 MIN. AIC INTERRUPTING)

PROVIDE HANDLE LOCK-ON DEVICE.

200/2

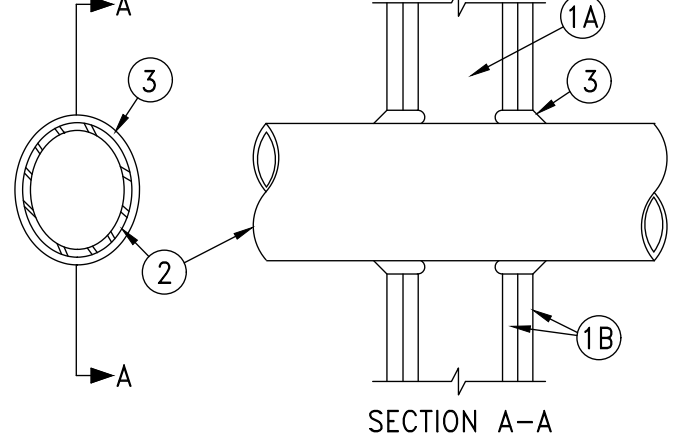
A B

(UTILIZE #10 AWG WIRE ON
ALL 20 AMPERE 1 POLE
BRANCH CIRCUITS OVER 75
FT. LENGTH.)

XHEZ.W-L-1001
THROUGH-PENETRATION FIRESTOP SYSTEMS
SYSTEM NO. W-L-1001

JUNE 15, 2005
(FORMERLY SYSTEM NO. 147)
F RATINGS — 1, 2, 3, & 4 HR. (SEE ITEMS 2 & 3)
T RATINGS — 0, 1, 2, 3, & 4 HR. (SEE ITEM 3)
L RATING AT AMBIENT — LESS THAN 1 CFM/SQ FT.
L RATING AT 400 F — LESS THAN 1 CFM/SQ FT.

1
E701
THROUGH-PENETRATION FIRESTOP SYSTEMS
N.T.S.



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 following construction features:

A. Studs — 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. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 mm).

2. Through-Penetrant — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (0 mm). (point contact) to max 2 in. (51 mm) Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe — Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe — Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.

C. Conduit — Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in (102 mm) diam (or smaller) steel electrical metallic tubing

D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing

E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

F. Through Penetrating Product* — Flexible Metal Piping The following types of steel flexible metal gas piping may be used:

1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

OMEGA FLEX INC

2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

GASTITE, DIV OF TITEXLEX

3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

WARD MFG L L C

3. Fill, Void or Cavity Material* — Caulk or Sealant — Min 5/8. , 1-1/4, 1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall. 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:

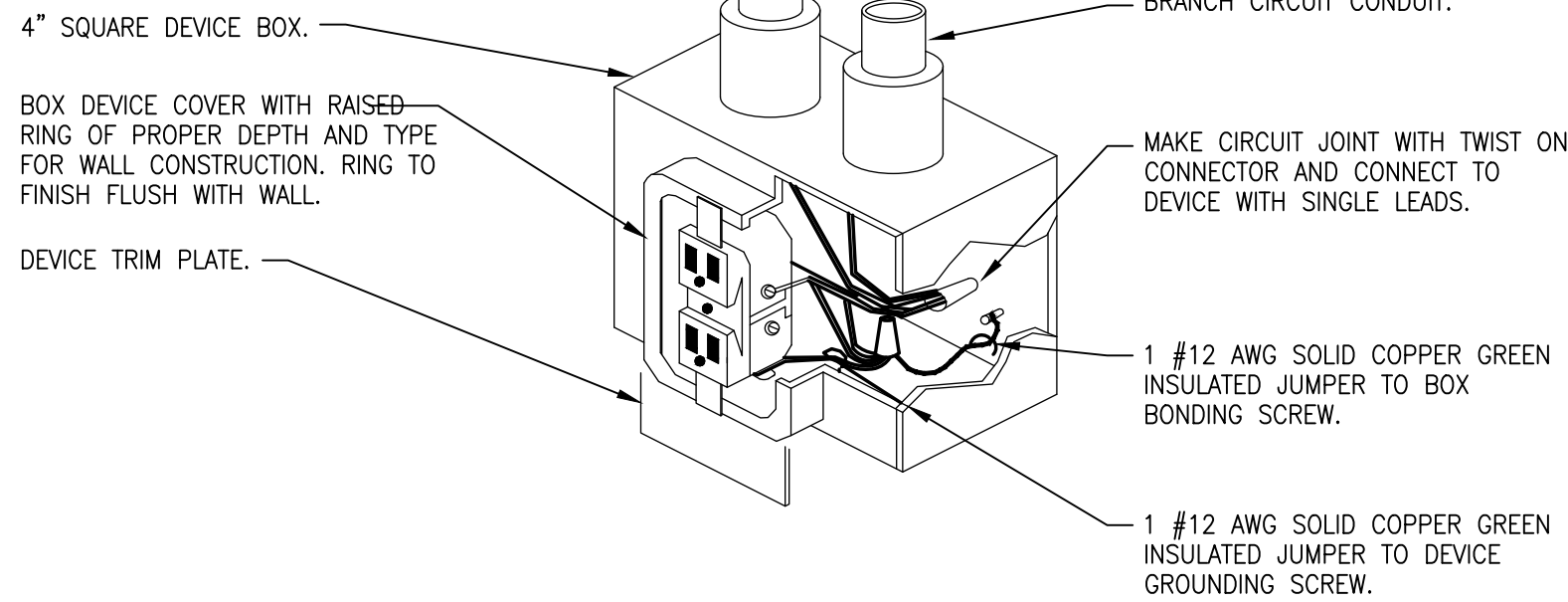
MAX PIPE OR CONDUIT DIAM IN. (MM)	F RATING HR	T RATING HR
1 (25)	1 OR 2	0+, 1 OR 2
1 (25)	3 OR 4	3 OR 4
4 (102)	1 OR 2	0
6 (152)	3 OR 4	0
12 (305)	1 OR 2	0

*When copper pipe is used, T Rating is 0 h.
3M COMPANY — CP 25WB+ or FB-3000 WT.

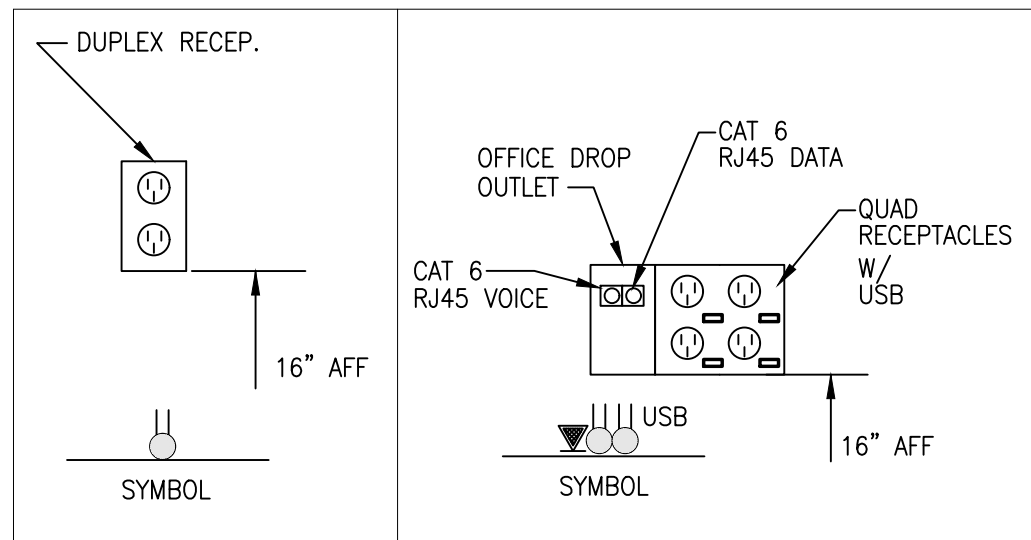
*Bearing the UL Classification Mark

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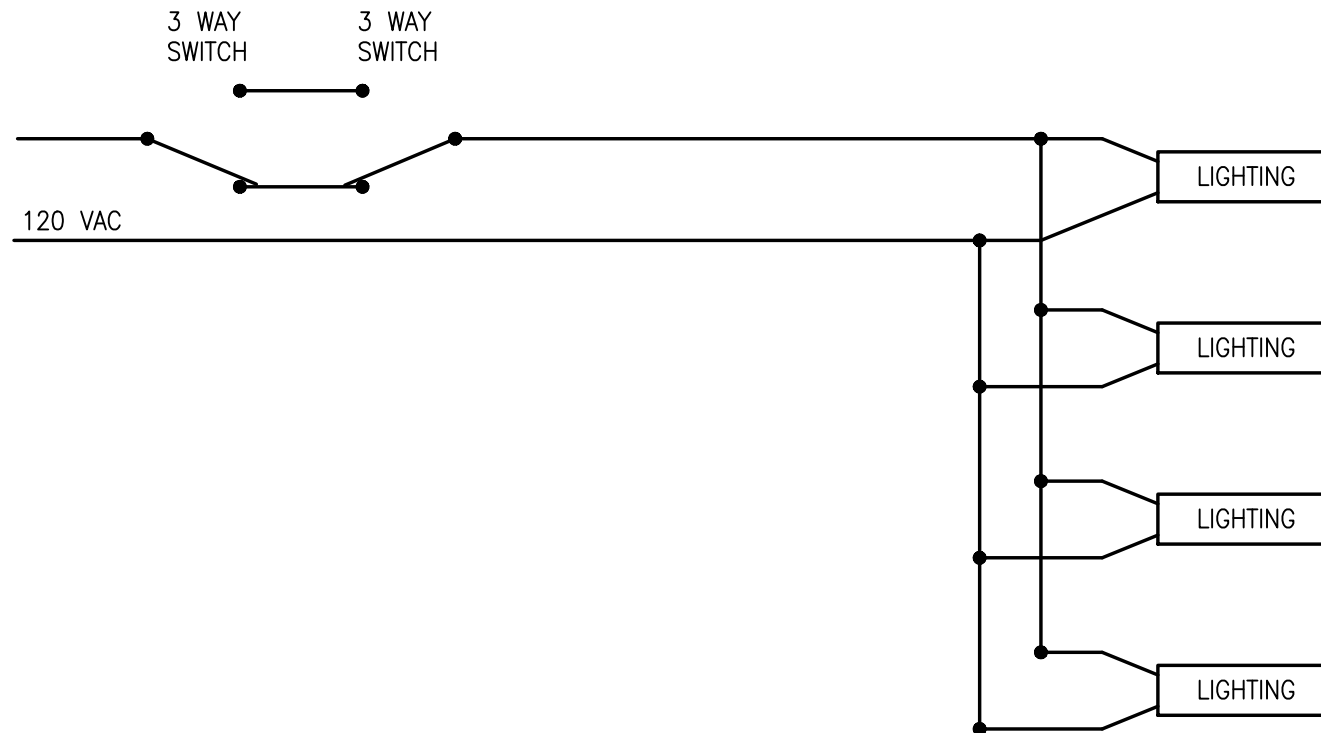
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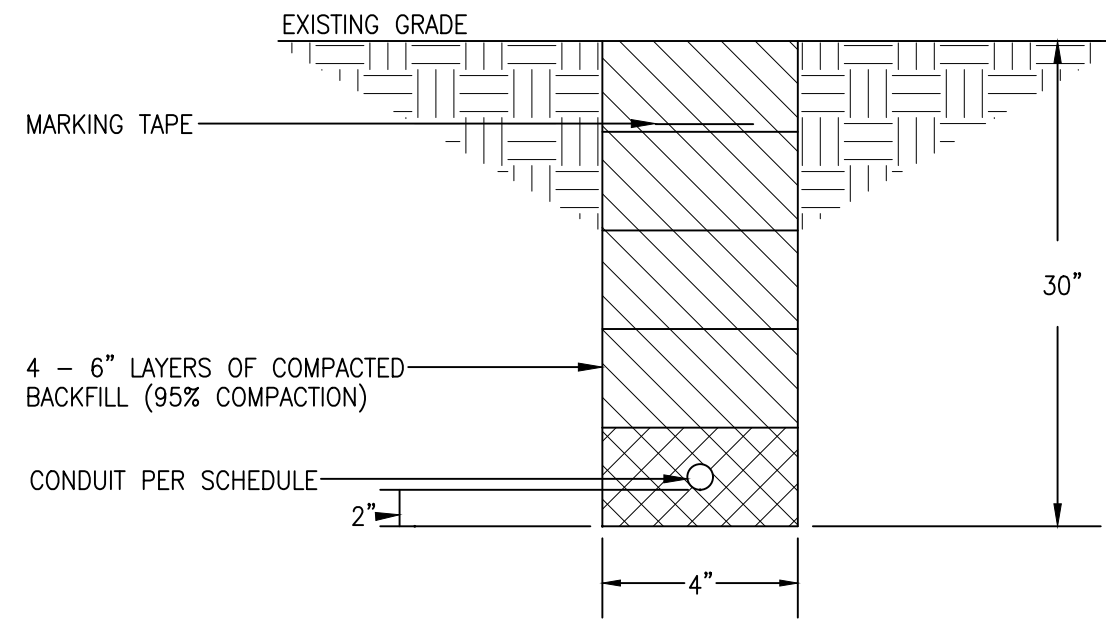
2
E701
RECEPTACLE GROUNDING DETAIL
N.T.S.



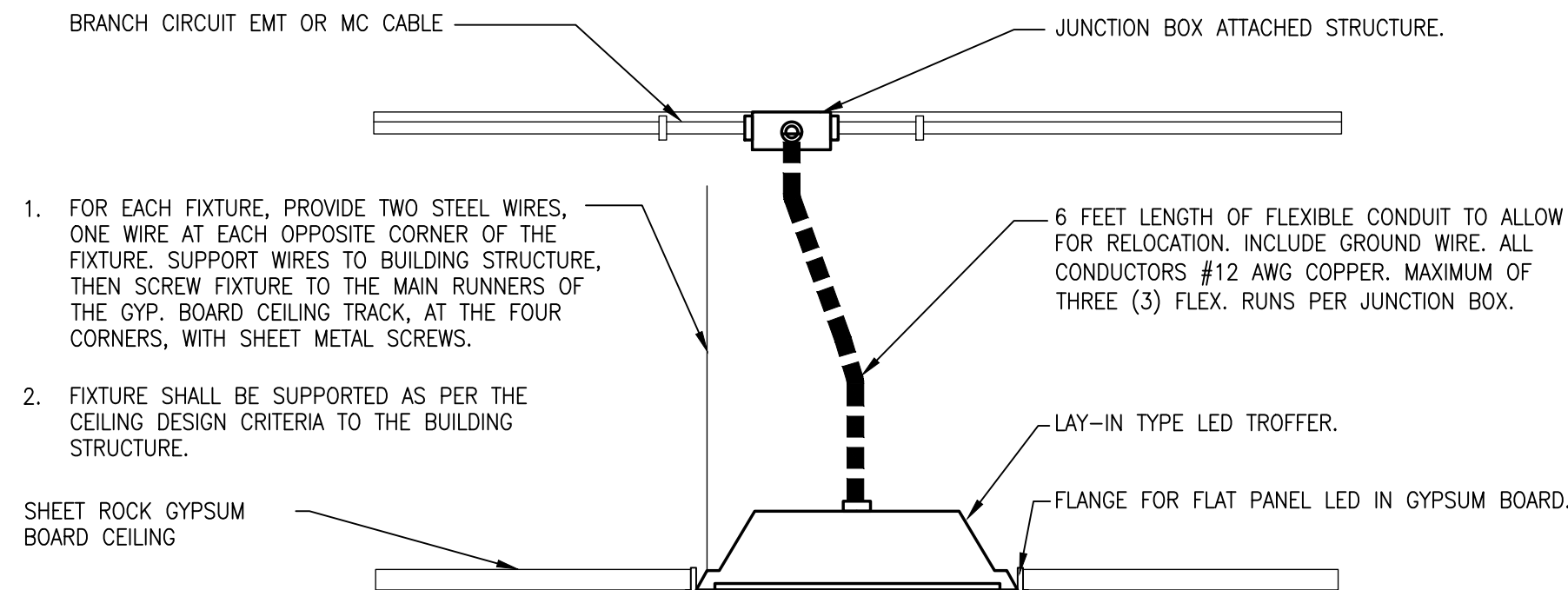
4
E701
TELECOMMUNICATIONS OUTLET DETAILS
OUTLETS AS SPECIFIED
VERIFY HEIGHTS & COORD. W/ WINDOW SILLS.
SCALE: N.T.S.



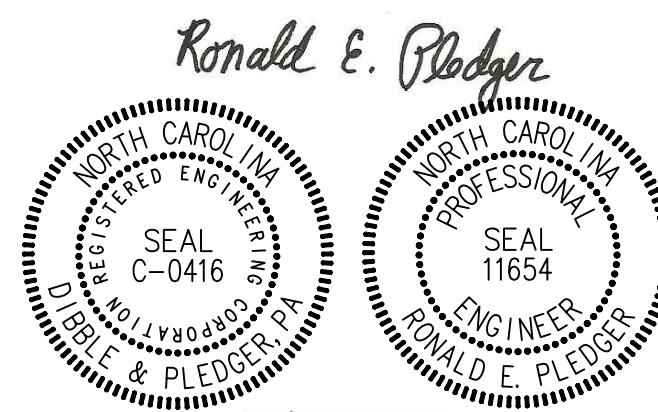
6
E701
3-WAY SWITCH WIRING DIAGRAM
N.T.S.



3
E701
TRENCH DETAIL
N.T.S.



5
E701
LIGHTING FIXTURE MOUNTING DETAIL
N.T.S.



8/20/2025

ELECTRICAL DESIGN BY:
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ISSUE/REVISIONS:

NO.	DATE	BY	DESCRIPTION
	9/30/25		ISSUE FOR 100% CDS
	1/1/25		60% DD SET

CURRITUCK COUNTY
CURRITUCK COMMUNITY PARK, PHASE III
SHORTCUT RD., BARCO ~ CURRITUCK COUNTY ~ NORTH CAROLINA
ELECTRICAL DETAILS

DESIGNED BY:	REP
DRAWN BY:	WAW
CHECKED BY:	REP
PROJECT No.	2022109
DRAWING No.	W-4080
SCALE:	AS SHOWN

#1625 | LD6359

SHEET No.
E701

GENERAL NOTES:

GENERAL:

1. ALL WORK MUST COMPLY WITH THE CODES LISTED BELOW AND IN THE SPECIFICATIONS.
2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, 2015 EDITION, AS ADOPTED BY THE NORTH CAROLINA STATE BUILDING CODE, 2018 EDITION, EFFECTIVE JANUARY 1, 2019.
3. VERIFY ALL DRAWINGS FOR COORDINATION BETWEEN TRADES, LOCATE SLOTS, SLEEVES AND TRENCHES AS REQUIRED FOR MECHANICAL TRADES. PROVIDE AND INSTALL ANCHORS, INSERTS, HANGERS, ETC. AS REQUIRED FOR VARIOUS TRADES.
4. SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR MUST CHECK ALL DIMENSIONS AND ACCEPT FULL RESPONSIBILITY FOR DIMENSIONAL CORRECTNESS.
5. UNDER NO CIRCUMSTANCES CAN THE REPRODUCTION OF CONTRACT DRAWINGS BE USED AS SHOP DRAWINGS.
6. PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED.
7. LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION MUST NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADINGS USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE "DESIGN CRITERIA NOTES". DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL ALL STRUCTURAL FRAMING IS PROPERLY CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.
8. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITION OF JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK.
9. THE DUTY OF THE ARCHITECT IN CONDUCTING CONSTRUCTION REVIEW OF CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.
10. TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE SPECIFICALLY DETAILED OR NOTED OTHERWISE.
11. STRUCTURAL DRAWINGS SHOW ONLY THE BASIC STRUCTURAL FRAMING. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR NON-STRUCTURAL ITEMS WHICH REQUIRE SPECIAL PROVISIONS DURING THE CONSTRUCTION OF THE STRUCTURAL FRAME.
12. INFORM THE PROFESSIONAL OF RECORD IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL OF RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
13. THE CONTRACTOR AND DELEGATED DESIGN ENGINEER MUST REFER TO MECHANICAL DRAWINGS FOR MECHANICAL UNIT WEIGHTS AND LOCATIONS.

FOUNDATION:

1. FOUNDATIONS FOR THIS STRUCTURE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL EXPLORATION REPORT, PREPARED BY TERRACON AND DATED JANUARY 31, 2025.
2. PERFORM ALL EARTHWORK IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE SPECIFICATIONS.
3. THE ENTIRE STRUCTURE MUST BE FOUNDED ON VERY WELL COMPACTED STRUCTURAL FILL OR UNDISTURBED SOIL WITH A DESIGN BEARING PRESSURE OF 2000 P.S.F.
4. PRIOR TO PLACING FOUNDATION CONCRETE, ALL FOUNDATION EXCAVATIONS MUST BE INSPECTED BY THE GEOTECHNICAL ENGINEER TO VERIFY THE EXTENT OF ANY LOOSE, SOFT, OR UNSATISFACTORY SOIL AND TO VERIFY THE DESIGN BEARING PRESSURE. THE GEOTECHNICAL ENGINEER WILL PROVIDE DIRECTION FOR CORRECTIVE ACTION WHERE REQUIRED.
5. DO NOT INSTALL FOUNDATION WORK UNTIL IT HAS BEEN COORDINATED WITH ADJACENT UNDERGROUND UTILITIES. FOOTINGS MUST BE SLEEVED OR LOWERED WHERE REQUIRED. DO NOT INSTALL UTILITIES UNDER ISOLATED COLUMN FOOTINGS. INSTALL UTILITIES PERPENDICULAR TO WALL FOOTINGS.
6. DO NOT PUT IN UNBALANCED BACKFILL AGAINST FOUNDATION WALLS UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING.
7. FROST LINE DEPTH IS 12" BELOW GRADE. BOTTOM OF EXTERIOR FOUNDATIONS MUST BEAR A MINIMUM OF 18" BELOW FINAL GRADE. LOWER FOOTINGS AS REQUIRED TO MAINTAIN COVERAGE.

TIMBER PILING:

1. TIMBER PILES MUST BE PRESSURE TREATED DOUGLAS FIR OR SOUTHERN PINE CLEAN-PEELED PILES CONFORMING TO ASTM D25. REFER TO CONTRACT SPECIFICATIONS FOR PRESERVATIVE TREATMENT REQUIREMENTS.
2. THE TIMBER PILES MUST HAVE A MINIMUM BUTT DIAMETER OF 8 INCHES.
3. INSTALLATION OF TIMBER PILES MUST BE IN ACCORDANCE WITH THE SPECIFICATIONS.
4. TIMBER PILE FOUNDATIONS FOR THIS STRUCTURE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL EXPLORATION REPORT PREPARED BY TERRACON, DATED JANUARY 31, 2025.
5. TIMBER PILE CAPACITIES ARE AS FOLLOWS:

A. COMPRESSION

11 TONS

B. ULTIMATE CAPACITY IN COMPRESSION

28 TONS

C. TENSION

2 TONS
6. ESTIMATED BASE BID PILE EMBEDMENT DEPTH MUST BE 20 FEET FOR ALL PILES OTHER THAN TEST PILES. TEST PILES MUST BE 5 FEET LONGER THAN BASE BID LENGTH.
7. PRE-AUGER THE PILE LOCATIONS TO DEPTHS OF 4 FEET BELOW GRADE PRIOR TO DRIVING TO HELP REDUCE THE POTENTIAL FOR PILE BREAKAGE.
8. DRIVE 25 FOOT LONG TEST PILES IN LOCATIONS SHOWN ON THE BOARDWALK PLANS.
9. BASED ON THE DRIVING RESULTS OF THE TEST PILES THE GEOTECHNICAL ENGINEER WILL SELECT FOUR TEST PILES TO BE SUBJECTED TO A LOAD TEST. ALL PILING MUST BE DRIVEN TO A RESISTANCE EQUAL TO OR GREATER THAN THE SUCCESSFULLY LOADED TEST PILES.
10. PROVIDE AN AS-INSTALLED PILE LAYOUT WITH ANY PILE LOCATION DISCREPANCIES NOTED ON THE DRAWING.

CAST IN PLACE CONCRETE NOTES:

1. CAST IN PLACE CONCRETE MUST COMPLY WITH THE AMERICAN CONCRETE INSTITUTE (ACI- 318-14), COMMENTARY, (ACI-318R-14), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301).
2. DETAILING OF ALL CONCRETE STEEL REINFORCEMENT MUST BE IN ACCORDANCE WITH ACI 315R-18 GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS.
3. ALL CONCRETE MUST BE NORMAL WEIGHT, UNLESS OTHERWISE NOTED, CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:

A. SLAB ON GRADE (INTERIOR)

3,500 PSI

B. SLAB ON GRADE (EXTERIOR)

4,000 PSI

C. WALLS

4,000 PSI

D. CONCRETE NOT OTHERWISE NOTED

3,000 PSI

CONCRETE EXPOSED TO WEATHER MUST BE AIR ENTRAINED
4. ALL REINFORCING MUST BE AS FOLLOWS:

A. REINFORCING BARS - ASTM A-615, GRADE 60

B. WELDED WIRE REINFORCEMENT - ASTM A-1084 FLAT SHEET TYPE, ROLL TYPE NOT ACCEPTABLE.
5. WELDED WIRE REINFORCEMENT MUST BE PROPERLY SUPPORTED PRIOR TO PLACING CONCRETE. HOOKING OF FABRIC IS NOT PERMITTED.
6. UNLESS OTHERWISE NOTED, REINFORCING STEEL MARKED CONTINUOUS (CONT.) MUST BE LAPPED PER THE REINFORCING LAP SCHEDULE.
7. HOLD ALL REINFORCING STEEL SECURELY IN PLACE TO PREVENT DISLOCATION DURING THE POURING OPERATION. SUPPORT SLAB REINFORCING BARS ON HIGH CHAIRS AND BAR SPACERS OF SUITABLE DESIGN. OR CONCRETE BLOCKS HAVING THE SAME MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SLAB.
8. DO NOT PLACE CONCRETE UNTIL ALL EMBEDDED WORK HAS BEEN INSTALLED, TESTED AND INSPECTED.
9. EXCEPT AS OTHERWISE SHOWN MINIMUM PROTECTION (CONCRETE COVER) FOR REINFORCING STEEL MUST BE AS FOLLOWS:

CONCRETE SURFACES CAST AGAINST SOIL: 3"

CONCRETE SURFACES EXPOSED TO EARTH OR WEATHER: 2"

INTERIOR CONCRETE SURFACES: 3/4" FOR SLABS

CONCRETE MASONRY NOTES:

1. MASONRY CONSTRUCTION MUST COMPLY WITH THE MASONRY SOCIETY "BUILDING CODE FOR MASONRY STRUCTURES" (TMS 402-2016) AND "SPECIFICATION FOR MASONRY STRUCTURES" (TMS 602-2016).
2. CONCRETE MASONRY UNITS MUST CONFORM TO ASTM C90 AND BE MADE WITH LIGHTWEIGHT AGGREGATE. THE COMPRESSIVE STRENGTH OF MASONRY, F'm, EXPRESSED AS FORCE PER UNIT OF NET CROSS-SECTIONAL AREA, MUST BE 2,000 PSI AT 28 DAYS.
3. MORTAR MUST CONFORM TO ASTM C270, TYPE S. AGGREGATE FOR MORTAR MUST COMPLY WITH ASTM C144.
4. GROUT MUST CONFORM TO ASTM C476 AND MUST HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI. SLUMP AT POINT OF PLACEMENT MUST BE BETWEEN 8 AND 11 INCHES.
5. ALL REINFORCING BARS MUST CONFORM TO ASTM A615, GRADE 60. SHOP FABRICATED BARS SHOWN TO BE BENT OR HOOKED. BARS MUST BE LAPPED AS FOLLOWS: #4-20", #5-30", #6-54", #7-63", #8-72", #9-81".
6. REBAR DOWELS MUST BE THE SAME SIZE AND SPACING AS VERTICAL REINFORCING FROM FOUNDATION. DOWELS MUST HAVE STANDARD ACI HOOKS.
7. PROVIDE BAR POSITIONERS FOR VERTICAL REINFORCING AT A MAXIMUM SPACING OF 200 BAR DIAMETERS, AT GROUT LIFT HEIGHTS, OR BAR SPLICE LOCATIONS, WHICHEVER IS LESS.
8. GROUTING MUST BE STOPPED 1-1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY AT THE POUR JOINT.
9. ALL BOLTS, ANCHORS, ETC. PLACED IN THE WALL, MUST BE GROUTED SOLID INTO POSITION.
10. GROUT ALL CELLS SOLID BELOW FINISHED FIRST FLOOR.
11. HORIZONTAL JOINT REINFORCING MUST BE STANDARD 9 GAGE LADDER TYPE IN CMU WALLS AT 16" ON-CENTER. JOINT REINFORCING MUST COMPLY WITH ASTM A951.
12. DISCONTINUE ALL HORIZONTAL REINFORCING AT CONTROL JOINTS EXCEPT FOR BOND BEAMS AT JOIST BEARING ELEVATIONS. HORIZONTAL BOND BEAMS MUST HAVE CONTINUOUS REINFORCING AS SHOWN IN THE SECTIONS AND DETAILS.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL MUST COMPLY WITH THE FOURTEENTH EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-16) "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. STRUCTURAL STEEL MUST BE NEW, CLEAN, AND STRAIGHT, AND CONFORM TO THE FOLLOWING:

STEEL W- AND WT SHAPES - ASTM A992, GRADE 50

RECTANGULAR AND SQUARE HSS SHAPES - ASTM A500, GRADE B

ANCHOR RODS - ASTM F1554, GRADE 36

HIGH STRENGTH BOLTS -- ASTM A325

ALL OTHER STEEL SHAPES - ASTM A36, UNLESS OTHERWISE NOTED
3. UNLESS OTHERWISE NOTED, ALL CONNECTIONS MUST BE STANDARD SHEAR BEAM CONNECTIONS. THE FABRICATOR IS RESPONSIBLE FOR DESIGNING ALL CONNECTIONS. WHERE REACTIONS ARE NOT INDICATED ON PLAN, CONNECTIONS MUST BE DESIGNED FOR ½ OF THE TOTAL ALLOWABLE UNIFORM LOAD FOR LATERALLY SUPPORTED BEAMS GIVEN IN PART 3 OF THE "STEEL CONSTRUCTION MANUAL". CONNECTION DETAILS MUST BE IN ACCORDANCE WITH AISC STANDARDS.
4. UNLESS OTHERWISE NOTED WELD ALL SHOP CONNECTIONS AND BOLT ALL FIELD CONNECTIONS. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS. REFER TO SPECIFICATIONS.
5. WELDING MUST COMPLY WITH THE "STRUCTURAL WELDING CODE - STEEL" (AWS D1.1). WELD ELECTRODES MUST BE E70XX-UNLESS OTHERWISE NOTED, MINIMUM WELD SIZE MUST BE 3/16" CONTINUOUS FILLET WELDS
6. REFER TO THE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL STEEL (IF ANY) NOT SHOWN ON THE STRUCTURAL DRAWINGS.
7. UNLESS OTHERWISE NOTED, THE TOP OF ALL STEEL COLUMNS MUST HAVE A STEEL CAP PLATE. UNLESS OTHERWISE NOTED, MINIMUM CAP PLATE DIMENSIONS MUST MATCH COLUMN WIDTH AND DEPTH, AND MINIMUM THICKNESS MUST EQUAL COLUMN WEB THICKNESS, OR ½" MINIMUM.
8. ALL SHELF ANGLES, LINTEL ANGLES, AND OTHER ITEMS MARKED "GALVANIZED" MUST BE GALVANIZED IN ACCORDANCE TO ASTM A123 OR ASTM A153. GALVANIZE AFTER FABRICATION WHERE PRACTICAL. REPAIR DAMAGED GALVANIZED COATING USING ASTM A780 ZINC-RICH PAINT.

STEEL DECK NOTES:

1. STEEL DECK MUST CONFORM TO THE LATEST EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL STEEL MEMBERS" AND THE STEEL DECK INSTITUTE (SDI) "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS".
2. ATTACH ROOF DECK TO SUPPORTS WITH 5/8" DIAMETER ARC SPOT WELDS IN ALL RIBS WHERE SIDELAPS OCCUR AND AT 12 INCHES ON CENTER ALONG SUPPORTS. FASTEN ADJACENT DECK UNITS ALONG SIDELAPS WITH #10 SELF TAPPING HEX HEAD SCREWS AT 1/3 POINTS BETWEEN SUPPORTS. FASTEN EDMOST DECK PANEL TO SUPPORTS WITH 5/8" DIAMETER ARC SPOT WELDS AT SAME SPACING AS SIDELAP FASTENERS.
3. AS AN ALTERNATIVE TO ARC SPOT WELDS, MECHANICAL FASTENERS MAY BE USED. INSTALL POWDER-ACTUATED FASTENERS OR SCREW FASTENERS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE EQUIVALENT LOAD VALUES SHOWING THE MECHANICAL FASTENERS MEET OR EXCEED THE PROVIDED LOAD CRITERIA. FASTENERS MUST BE SDI LISTED FOR DIAPHRAGM DESIGN AND WIND UPLIFT, AND FM LISTED FOR FIRE RESISTANCE AND WIND UPLIFT. FASTENERS MUST BE RECOGNIZED BY ICC-ES FOR DIAPHRAGM SHEAR STRENGTH IN ACCORDANCE WITH THE LATEST VERSION OF ICC-ES AC43.
4. SPAN DECK PERPENDICULAR TO SUPPORTS, CONTINUOUS OVER A MINIMUM OF THREE SPANS. PROVIDE FULL SHEETS ON EDGES OF DIAPHRAGMS.
5. WELDING MUST BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". FIELD WELDS MUST BE WIRE BRUSHED AND PAINTED WITH RICH ZINC PAINT.
6. PROVIDE SUPPORTS ON ALL SIDES OF DECK OPENINGS MEASURING GREATER THAN 12" ON ANY SIDE OF OPENING. SPAN SUPPORTS BETWEEN ADJACENT BEAMS OR JOISTS ON TWO SIDES. UNLESS OTHERWISE NOTED USE L4X4X1/4. COORDINATE OPENING SIZES, LOCATIONS, AND DETAILS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
7. DO NOT HANG OR SUPPORT ANY PERMANENT LOADS FROM METAL ROOF DECK.
8. DURING STEEL DECK ERECTION DISTRIBUTE CONSTRUCTION LOADS TO PREVENT DAMAGE TO DECK. CONCENTRATED CONSTRUCTION LOADS OF 150 POUNDS OR LESS DISTRIBUTED OVER A 1'-0" WIDE SECTION OF DECK MUST NOT REQUIRE ANY FURTHER DISTRIBUTION. USE WORKING PLATFORMS FOR CONCENTRATED LOADS OF OVER 150 POUNDS, SUCH THAT THE RESULTING UNIFORM CONSTRUCTION LOAD ON THE DECK DOES NOT EXCEED 50 PSF.

STRUCTURAL ABBREVIATIONS LIST

AB.	ANCHOR BOLT
ALT.	ALTERNATE
ARCH.	ARCHITECT, ARCHITECTURAL
BLDG.	BUILDING
BOTT.	BOTTOM
BRDG.	BRIDGING
BRG.	BEARING
CMU.	CONCRETE MASONRY UNIT
CJ.	CONTROL JOINT
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
COND.	CONDITION
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
DIA.	DIAMETER
DIAG.	DIAGONAL
DWG.	DRAWING
DWGS.	DRAWINGS
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EXIST.	EXISTING
EXP.	EXPANSION
FOUND.	FOUNDATION
FIND.	FOUNDATION
FOB.	FACE OF BRICK
FTG.	FOOTING
GALV.	GALVANIZED
GC.	GENERAL CONTRACTOR
HORIZ.	HORIZONTAL
HS.	HIGH STRENGTH
HT.	HEIGHT
INSUL.	INSULATION
ISO.	ISOLATION
L.	ANGLE
LLH.	LONG LEG HORIZONTAL
LLV.	LONG LEG VERTICAL
MANUF.	MANUFACTURED/MANUFACTURER
MAS.	MASONRY
MAX.	MAXIMUM
MECH.	MECHANICAL
MIN.	MINIMUM
OPG.	OPENING
OPP.	OPPOSITE
P/JF.	PREMOLDED JOINT FILLER
PL.	PLATE
PL.	POUNDS PER SQUARE INCH
PSF.	POUNDS PER SQUARE FOOT
REF.	REFERENCE
REINF.	REINFORCE,REINFORCING
REQ'D.	REQUIRED
SCHED.	SCHEDULE
SECT.	SECTION
SJ.	SAWED JOINT
SPECS.	SPECIFICATIONS
STD.	STANDARD
TYP.	TYPICAL
UON.	UNLESS OTHERWISE NOTED
VERT.	VERTICAL
WWF.	WELDED WIRE FABRIC
W/.	WITH
W/O.	WITHOUT
CL.	CENTERLINE
OC.	ON CENTER
Ø.	DIAMETER
°.	DEGREES
±.	PLUS OR MINUS



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PROJECT #: 25.004

ISSUE DATE: 06/25/2025

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SHEET NAME & NUMBER

GENERAL NOTES &
ABBREVIATIONS

S0.01

GENERAL NOTES (CONT.):

COLD-FORMED STEEL FRAMING NOTES:

1. ALL COLD-FORMED STEEL (CFS) FRAMING MUST CONFORM TO THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" LATEST EDITION.
2. DESIGN COLD-FORMED FRAMING IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "COLD-FORMED STEEL DESIGN MANUAL". DESIGN FOR THE LOADS INDICATED IN THE DESIGN CRITERIA NOTES AND APPLY ALL APPLICABLE FACTORS.
3. DESIGN COLD-FORMED FRAMING MEMBERS INCLUDING NON-LOAD BEARING WALLS, CLADDING, SOFFITS, AND CONNECTIONS.
4. DESIGN MEMBERS FOR ALL FRAMING CONDITIONS, INCLUDING WALLS, CORNERS, HEADERS, AND JAMBS. SOME CONDITIONS MAY REQUIRE MODIFICATION TO THE MEMBERS (SUCH AS NOTCHING OR REVISING SIZES, OR MULTIPLE STUDS TO SUPPORT INCREASED LOADS. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL DETAILS AND CONDITIONS.
5. SUBMIT SHOP DRAWINGS PREPARED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA FOR THE DESIGN, INCLUDING DESIGN LOADINGS AND REACTIONS APPLIED TO THE SUPPORTING STRUCTURE.
6. UNLESS OTHERWISE NOTED, GALVANIZE ALL COLD-FORMED METAL FRAMING AND CONNECTIONS IN ACCORDANCE WITH ASTM A653.
7. ALL COLD-FORMED STEEL 16 GAGE AND HEAVIER MUST BE FORMED FROM STEEL WITH A MINIMUM YIELD STRENGTH OF 50 KSI. ALL COLD-FORMED STEEL 18 GAGE AND LIGHTER, TRACK, BRIDGING, AND ACCESSORIES MUST BE FORMED FROM STEEL WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
8. WELDING MUST BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE – SHEET STEEL".
9. PROVIDE MECHANICAL BRIDGING OR FULL DEPTH BLOCKING AT 8'-0" ON CENTER OR AT 1/3 POINTS OF THE MEMBER SPAN, WHICHEVER IS LESS.
10. PROVIDE TEMPORARY BRACING AND GUYING OF COLD FORMED STEEL FRAMING FOR THE SAFETY OF THE STRUCTURE AND WORK PERSONNEL. BRACING MUST REMAIN UNTIL NO LONGER REQUIRED FOR SAFE SUPPORT OF FRAMING.

PREFABRICATED COLD FORMED METAL TRUSS NOTES

1. PREFABRICATED COLD FORMED METAL ROOF TRUSS DIAGRAMS SHOWN ON SXXX ARE SCHEMATIC ONLY. ACTUAL RIDGE, VALLEY, AND HIPS SHALL BE LOCATED AS REQUIRED TO CONFORM TO THE REQUIREMENTS OF THE ARCHITECTURAL ROOF PLAN. TRUSS TYPES SHOWN ARE FOR TYPICAL CONDITIONS. ACTUAL BEARING CONDITIONS AND TRUSS TYPES WILL VARY. TRUSSES SHALL BE SPACED TO AVOID CROSSING DUCT PENETRATION OPENINGS IN THE ATTIC FLOOR. MAXIMUM TRUSS SPACING = 4'-0" OC.
2. PREFABRICATED LIGHT GAGE TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING APPLIED LOADS IN ADDITION TO THE DEAD LOAD OF THE TRUSS SYSTEM.

ROOF DEAD LOAD (TOP CHORD) 8 PSF

(BOTT. CHORD) 12 PSF

ROOF LIVE LOAD (TOP CHORD) 20 PSF

WIND LOAD: REFER TO DESIGN CRITERIA ON THIS SHEET.

FOR ADDITIONAL MECHANICAL UNIT LOADS REFER TO MECHANICAL DRAWINGS.
3. TRUSSES SHALL BE TEMPORARILY BRACED UNTIL ALL PERMANENT BRIDGING AND ROOF DECK IS INSTALLED.
4. TRUSSES SHALL BE DESIGNED TO WITHSTAND THE DEAD, LIVE AND WIND LOADS INDICATED. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE THE TRUSSES DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA. ALL DESIGN CALCULATIONS AND DESIGNED DATA SHALL BE SUBMITTED TO THE CONTRACTING OFFICER FOR APPROVAL.
5. PROVIDE CONTINUOUS TRUSS BLOCKING PERPENDICULAR TO MAIN TRUSS SPAN AT BEARING LOCATIONS. PROVIDE ADDITIONAL BRIDGING AND BRACING AS REQUIRED BY TRUSS DESIGNER. FOR TRUSS DIMENSIONS, ELEVATIONS, WORKING POINTS, ETC., REFER TO RELEVANT STRUCTURAL AND ARCHITECTURAL DETAILS.
6. WEB CONFIGURATIONS SHOWN ON DIAGRAMS AND SECTIONS ARE SCHEMATIC CONFIGURATIONS. WEB CONFIGURATIONS SHALL BE DESIGNED BY THE TRUSS MANUFACTURER AND COORDINATED WITH MECHANICAL AND ARCHITECTURAL REQUIREMENTS PRIOR TO FABRICATION.
7. THE TRUSS MANUFACTURER SHALL PROVIDE TRUSS OVERFRAMING AS INDICATED ON THE ROOF PLAN. CONNECTION TO THE ROOF DECK OR SUPPORTING TRUSSES IS THE RESPONSIBILITY OF THE TRUSS DESIGNER.
8. METAL CONNECTORS, WHERE USED, SHALL BE OF SIZE TO FIT MEMBERS AND OF SUFFICIENT STRENGTH TO DEVELOP THE FULL STRENGTH OF THE SUPPORTED MEMBER, COMPLETE WITH SPECIAL FASTENERS AS REQUIRED.
9. PROVIDE ADDITIONAL FRAMING AT ROOF OPENINGS AS REQUIRED TO SUPPORT DECK. SEE MECH AND ARCH DRAWINGS FOR LOCATIONS AND SIZES.
10. TRUSS TOP AND BOTTOM CHORDS SHALL BE 14 GAUGE (68 MILS) OR THICKER FOR ATTACHMENT OF ROOF DECK AND FOR ATTACHMENT AT BEARING CONNECTIONS. COORDINATE ACTUAL TRUSS TOP CHORD THICKNESS WITH ROOF DECK FASTENING REQUIREMENTS. PROVIDE LIGHT GAGE DECK SUPPORT AT ALL VALLEYS, HIPS, RIDGES, AND EAVES. SUPPORTS SHALL BE DESIGNED & FURNISHED BY TRUSS MFGR.
11. HIP CONDITIONS SHALL BE CONFIGURED AND DESIGNED BY TRUSS MFGR. HIP TRUSSES, STEPDOWN TRUSSES, END JACKS, AND SIDE JACKS MAY BE RECONFIGURED AS REQUIRED BY TRUSS MFGR.
12. DECK SUPPORT AT EAVE CORNERS SHALL BE DESIGNED AND FURNISHED BY TRUSS MFGR. TRUSS MANUFACTURER SHALL PROVIDE CONTINUOUS BOTTOM CHORD TRUSS BRIDGING/BRACING AT A MAXIMUM OF 10'- 0" OC.
13. PROVIDE ADDITIONAL COLD FORMED METAL FRAMING MEMBERS SPANNING BETWEEN ADJACENT TRUSS BOTTOM CHORDS AS REQUIRED TO SUPPORT HANGERS FOR PIPING, MECH EQUIPMENT, DUCTWORK, ETC. COORDINATE INSTALLATION AND LOCATIONS WITH MECHANICAL, PLUMBING AND ARCHITECTURAL DRAWINGS.
14. TRUSS CONNECTIONS TO SUPPORTS BY TRUSS MANUFACTURER. HOLD DOWNS, HOLD DOWN ATTACHMENT TO TRUSS AND ANCHORAGE TO SUPPORT CONNECTIONS SHALL RESIST UPLIFT PRESSURE NOTED IN COMPONENTS AND CLADDING WIND PRESSURES TABLE ON THIS SHEET. A DEAD LOAD OF 10 PSF MAY BE USED TO DETERMINE NET UPLIFT PRESSURES.

STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS NOTES:

1. STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ELEMENTS, PARTS, OR PORTIONS OF THE OVERALL STRUCTURAL SYSTEM THAT ARE INDICATED OR REFERRED TO ON THESE DRAWINGS AND THAT ARE CRITICAL TO THE PERFORMANCE OF THE OVERALL STRUCTURAL SYSTEMS. DESIGN CRITERIA HAS BEEN PROVIDED FOR THESES ITEMS IN THE STRUCTURAL NOTES, PLANS, AND DETAILS.
2. STRUCTURAL DEFERRED SUBMITTALS ARE COMPLETE PACKAGES TO BE SUBMITTED FOR REVIEW THAT INCLUDE DRAWINGS AND CALCULATIONS FOR ALL DELEGATED DESIGN ITEMS AND THEIR CONNECTIONS. DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN.
3. THE STRUCTURAL ENGINEER OF RECORD WILL REVIEW STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTIONS DOCUMENTS.
4. DESIGN RESPONSIBILITY FOR THE FOLLOWING ENGINEERED SYSTEMS AND COMPONENT PARTS IS DELEGATED TO A QUALIFIED DELEGATED REGISTERED PROFESSIONAL ENGINEER SELECTED BY THE CONTRACTOR. STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO:

A. STRUCTURAL STEEL CONNECTIONS EXCEPT FOR PRIMARY LATERAL FORCE RESISTING SYSTEM CONNECTIONS. CONNECTIONS SHOWN ARE SCHEMATIC REPRESENTATIONS AND REQUIRE DESIGN BY THE CONTRACTOR.

B. COLD-FORMED STEEL FRAMING AND CONNECTIONS, BRIDGING, BRACING, AND RELATED COMPONENTS

C. CAST-IN-PLACE CONCRETE CAISSONS (MUST INCLUDE CAISSON LAYOUT, QUANTITIES, SHAFT SIZES, TEST REQUIREMENTS, DETAILS SHOWING ATTACHMENT OF SPORTS LIGHT POLES TO CAISSONS.

D. COLD-FORMED STEEL TRUSS FRAMING AND CONNECTIONS

E. REFER TO S0.01 AND S0.02 FOR APPLICABLE DESIGN STANDARDS AND CRITERIA, DESIGN LOADS AND SERVICEABILITY LIMITS.
5. INCLUDE SIGNED SEALS FOR WORK DESIGNED BY THE DELEGATED ENGINEER. DO NOT START FABRICATION OF THE DELEGATED SYSTEM OR COMPONENT PART OR FIELD CONSTRUCTION THAT MAY BE AFFECTED BY THE SYSTEM OR COMPONENT PART WITHOUT SUBMITTAL REVIEW BY THE STRUCTURAL ENGINEER OF RECORD.

ROUGH CARPENTRY NOTES:

1. ROUGH CARPENTRY MUST COMPLY WITH THE NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA) "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION".
2. UNLESS OTHERWISE NOTED, ALL NAILING MUST BE IN ACCORDANCE WITH THE "FASTENING SCHEDULE" SHOWN IN TABLE 2304.10.1 OF THE INTERNATIONAL BUILDING CODE.
3. ALL WOOD FRAMING MUST MEET THE REQUIREMENTS OF PS 20 "AMERICAN SOFTWOOD LUMBER STANDARD" AND THE FOLLOWING MINIMUM REQUIREMENTS:

A. MOISTURE CONTENT - SEASONED, WITH 19% MAXIMUM MOISTURE CONTENT

B. GRADE – NO.1

C. SPECIES – SOUTHERN PINE GRADED UNDER SPIB RULES
4. STORE LUMBER ON LEVEL RACKS AND KEEP FREE OF GROUND TO AVOID WARPING. STACK TO INSURE PROPER VENTILATION AND DRAINAGE.
5. PRESSURE TREAT ALL WOOD MEMBERS PERMANENTLY EXPOSED TO WEATHER. SILL PLATES AROUND THE BUILDING PERIMETER, OR ANY WOOD IN CONTACT WITH CONCRETE OR MASONRY IN ACCORDANCE WITH THE SPECIFICATIONS.
6. ERECT DECK JOISTS WITH CROWN SIDE UP AT 16 INCHES ON CENTER UNLESS INDICATED OTHERWISE.
7. PROVIDE JOIST BRIDGING, BRACING, ETC. AS REQUIRED BY THE SPECIFICATIONS. MAXIMUM BRIDGING/BLOCKING SPACING MUST BE AT 8'-0" O.C. OR AT 1/3 POINTS OF MEMBER SPAN WHICHEVER IS LESS.
8. COORDINATE JOIST LOCATIONS WITH PLUMBING, MECHANICAL AND ARCHITECTURAL REQUIREMENTS PRIOR TO INSTALLATION.
9. PROVIDE METAL FRAMING CONNECTORS OF SIZE TO FIT MEMBERS AND OF SUFFICIENT STRENGTH TO DEVELOP THE FULL STRENGTH OF THE SUPPORTED MEMBER, COMPLETE WITH SPECIAL NAILS AS REQUIRED.
10. AT A MINIMUM, PROVIDE GALVANIZED METAL FRAMING CONNECTORS IN ACCORDANCE WITH ASTM A653, GRADE A (STRUCTURAL QUALITY). GALVANIZE METAL FRAMING CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD IN ACCORDANCE WITH ASTM A 653 WITH A G185 COATING.
11. STEEL PLATE CONNECTORS MUST COMPLY WITH ASTM A36 SPECIFICATIONS. BOLTS CONNECTING TO WOOD MEMBERS MUST COMPLY WITH ASTM A307 AND MUST BE ¾" DIAMETER UNLESS OTHERWISE NOTED.
12. METAL FASTENERS (NAILS, BOLTS, SCREWS, ETC.) IN CONTACT WITH PRESSURE TREATED WOOD MUST BE GALVANIZED PER ASTM A-153 WITH G185 COATING.
13. WHERE MULTIPLE FRAMING MEMBERS ARE INDICATED, SCAB CONTINGENT MEMBERS TOGETHER WITH 16d NAILS AT 12" ON CENTER, ALTERNATING AT 2 INCHES FROM EACH EDGE, UNLESS OTHERWISE NOTED.
14. CENTER DOUBLE JOISTS UNDER ALL PARTITIONS WHICH RUN PARALLEL TO JOISTS, AND ALL CONCENTRATED LOADS FROM FLOORS ABOVE. INSTALL MULTIPLE STUDS WHERE INDICATED ON PLANS.
15. UNLESS OTHERWISE NOTED, ATTACH BLOCKING TO STEEL FRAMING WITH 3/16" DIAMETER POWDER ACTUATED FASTENERS AT 24" O.C. OR ½" Ø BOLTS AT 48" O.C. STAGGER FASTENERS TO ALTERNATE SIDES OF BEAM WEB.

DESIGN CRITERIA NOTES:

LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:

1. UNIFORM LIVE LOADS:

A. SLAB ON GRADE 100 PSF

B. ROOF 20 PSF
2. ROOF SNOW LOADS:

GROUND SNOW LOAD Pg = 10 PSF

SNOW EXPOSURE FACTOR Ce = 1.0

SNOW LOAD IMPORTANCE FACTOR I =1.0

THERMAL FACTOR Ct=1.0

FLAT ROOF SNOW LOAD: Pf = 14 PSF

RAIN ON SNOW SURCHARGE LOAD= 5 PS
3. WIND LOADS:

RISK CATEGORY = II

ULTIMATE WIND SPEED = 126 MPH

NOMINAL WIND SPEED (ASD) = 97.6 MPH

EXPOSURE CATEGORY (MAIN WIND/FORCE-RESISTING SYSTEM): C

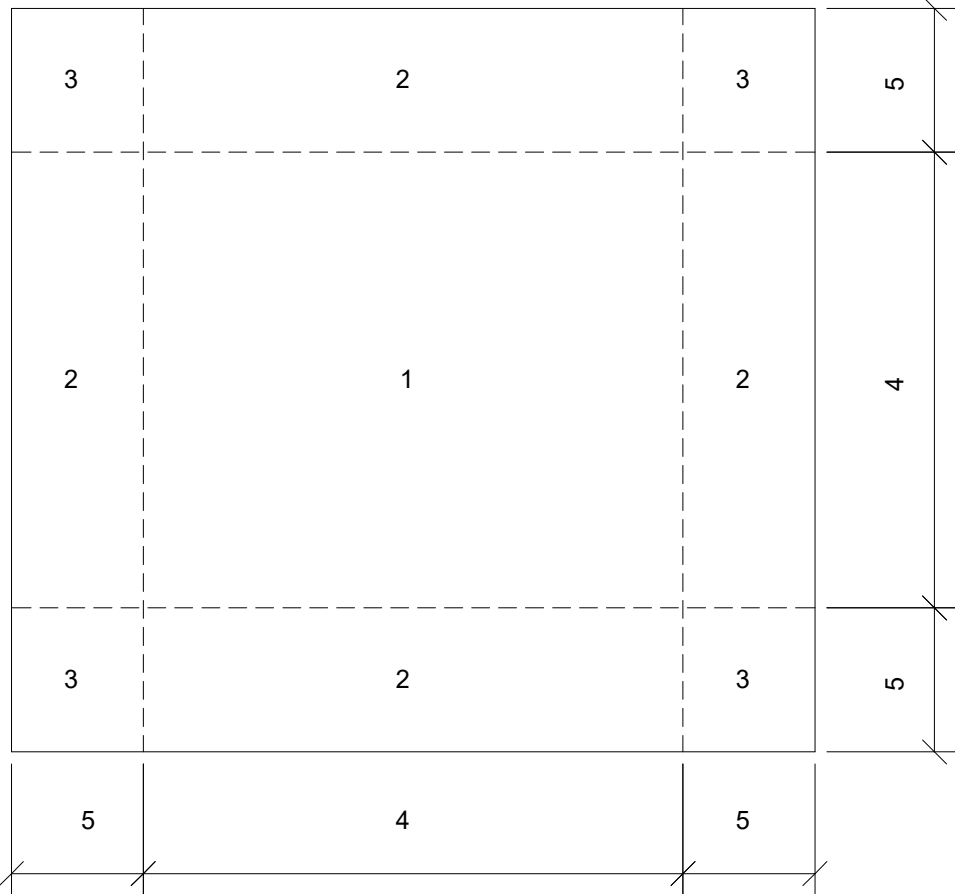
EXPOSURE CATEGORY (COMPONENTS AND CLADDING): C

INTERNAL PRESSURE COEFFICIENT: +/- 0.18 (ENCLOSED)

COMPONENTS AND CLADDING: WIND PRESSURE TO BE USED FOR DESIGN OF EXTERIOR COMPONENTS AND CLADDING MATERIALS NOT SPECIFICALLY DESIGNED ON THESE DRAWINGS MUST BE PER TABLE BELOW:

COMPONENTS AND CLADDING WIND PRESSURES									
AREA (SF)	ROOF ZONES						WALL ZONES		
	1	2	3	4	5		4	5	
A<10	+20.3	-32.2	+20.3	-56.1	+20.3	-83.0	+35.2	-38.2	+35.2 -47.2
A≥100	+16.0	-29.3	+16.0	-41.2	+16.0	-65.1	+29.9	-32.9	+29.9 -36.6

COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES
INTERPOLATE BETWEEN AREAS INDICATED.
CORNER ZONES EQUAL 3.0 FEET.
REFER TO SKETCH BELOW FOR ZONE DEFINITIONS.



ZONES

4. SEISMIC LOADS:

RISK CATEGORY II

IMPORTANCE FACTOR I = 1.0

Se = .10g

S1 = .04g

SOIL SITE CLASS D

Sds = 0.107

Sd1 = 0.062

SEISMIC DESIGN CATEGORY A

BASIC SEISMIC FORCE RESISTING SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALLS

RESPONSE MODIFICATION FACTOR, R= 2

SEISMIC RESPONSE COEFFICIENT, Cs = 0.053

DESIGN BASE SHEAR: 0.053W

ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE



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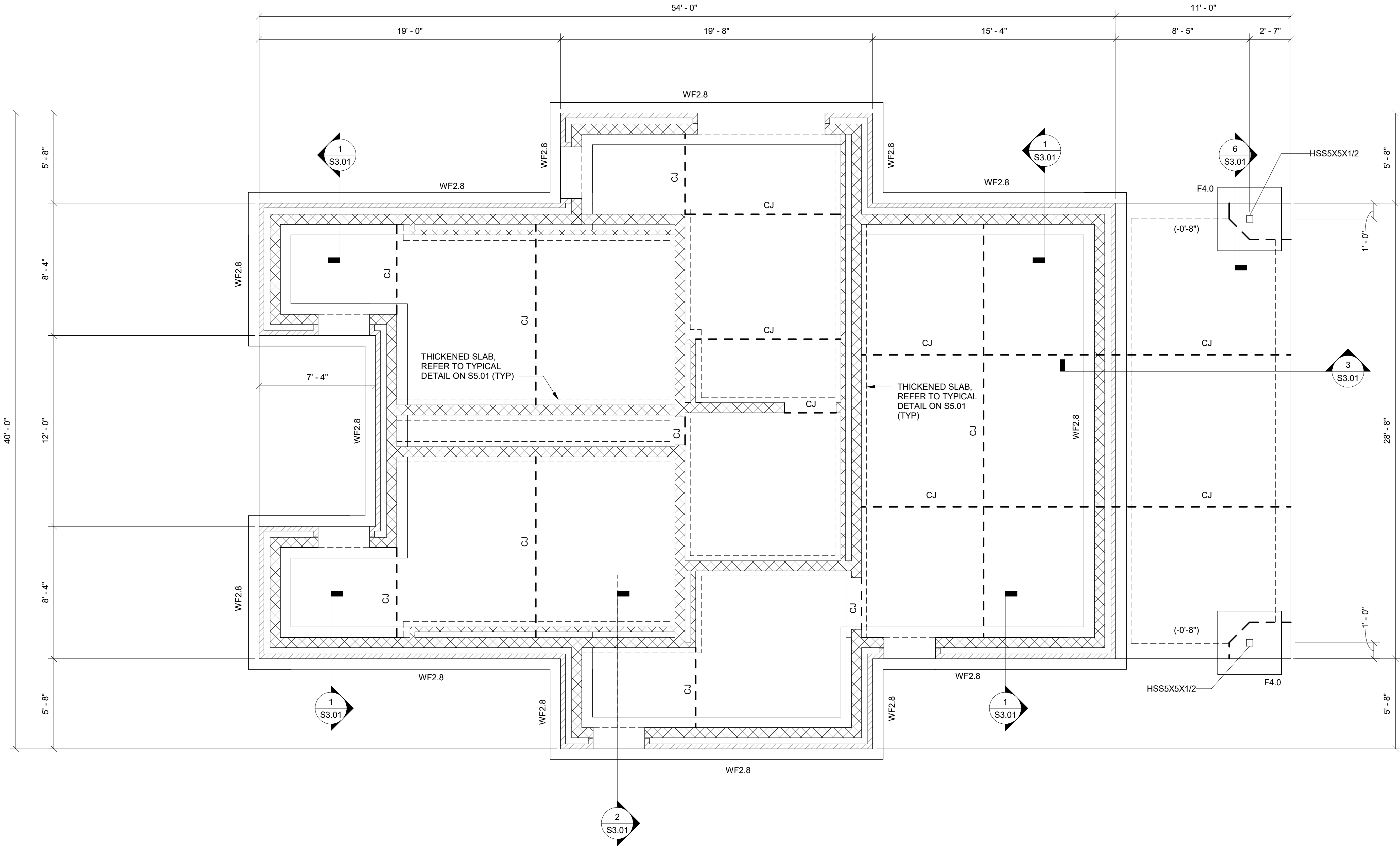
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SHEET NAME & NUMBER
GENERAL NOTES CONT.

S0.02

FOUNDATION NOTES:

- DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR = 0'-0". REFER TO ARCHITECTURAL SITE PLAN FOR ACTUAL ELEVATION.
- TOP OF CONCRETE SLAB IS AT +0'-0" UNLESS OTHERWISE INDICATED THUS [± ____] ON PLAN.
- UNLESS OTHERWISE NOTED PROVIDE 4" CONCRETE SLAB ON GRADE ON 10 MIL VAPOR BARRIER ON 4" POROUS FILL. REINFORCE SLAB WITH 6 x 6 - W2.9 x W2.9 WWF PLACED 1-1/2" CLEAR FROM TOP OF SLAB. TOP OF SLAB ELEVATION IS AT 0'-0" UNLESS OTHERWISE NOTED THUS [±/- 0'] ON PLAN.
- REFER TO WALL FOOTING SCHEDULE AND COLUMN FOOTING SCHEDULE, THIS SHEET, FOR FOOTING SIZES AND REINFORCING.
- UNLESS NOTED THUS (____) ON PLAN, TOP OF ALL WALL AND COLUMN FOOTINGS SHALL BE AT -1'-4" BELOW DATUM.
- STEP FOOTING AS NECESSARY AT PLUMBING AND BELOW GRADE UTILITY LINES. REFER TO TYPICAL STEPPED FOOTING DETAIL ON SHEET S5.01. REFER TO MECHANICAL/ PLUMBING DRAWINGS FOR EXACT LOCATIONS.
- THE SYMBOL "CJ" INDICATES A SLAB CONTROL JOINT, AND MAY BE A CONSTRUCTION JOINT OR SAWED JOINT. REFER TO TYPICAL SLAB CONTROL JOINT DETAILS ON SHEET S5.01.
- NO FOUNDATION WORK SHALL BE INSTALLED UNTIL ALL UNDERGROUND UTILITIES, ETC. HAVE BEEN COORDINATED WITH FOUNDATION LOCATIONS AND ELEVATIONS.
- FOR TYPICAL DETAILS AND GENERAL NOTES, REFER TO SHEET S0.01, S0.02, S5.01, S5.02.



WALL FOOTING SCHEDULE							
MARK	DIMENSIONS		REINFORCING				NOTES
	WIDTH	DEPTH	LONGITUDINAL		TRANSVERSE		
			QUANTITY	SIZE	SIZE	SPACING	
WF2.0	2' - 0"	1' - 0"	3	4	4	4' - 0"	
WF2.8	2' - 8"	1' - 0"	3	5	5	1' - 0"	

COLUMN FOOTING SCHEDULE						
MARK	DIMENSIONS			REINFORCING		REMARKS
	WIDTH	LENGTH	DEPTH	EACH WAY		
				QUANTITY	SIZE	
F3.0	3' - 0"	3' - 0"	1' - 0"	4	5	BOTTOM ONLY
F3.5	3' - 6"	3' - 6"	1' - 4"	4	5	BOTTOM ONLY
F4.0	4' - 0"	4' - 0"	1' - 4"	5	5	TOP AND BOTTOM
F5.0	5' - 0"	5' - 0"	1' - 4"	6	5	BOTTOM ONLY

FOUNDATION PLAN - CONCESSIONS BUILDING 1/4" = 1'-0" 1



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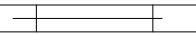
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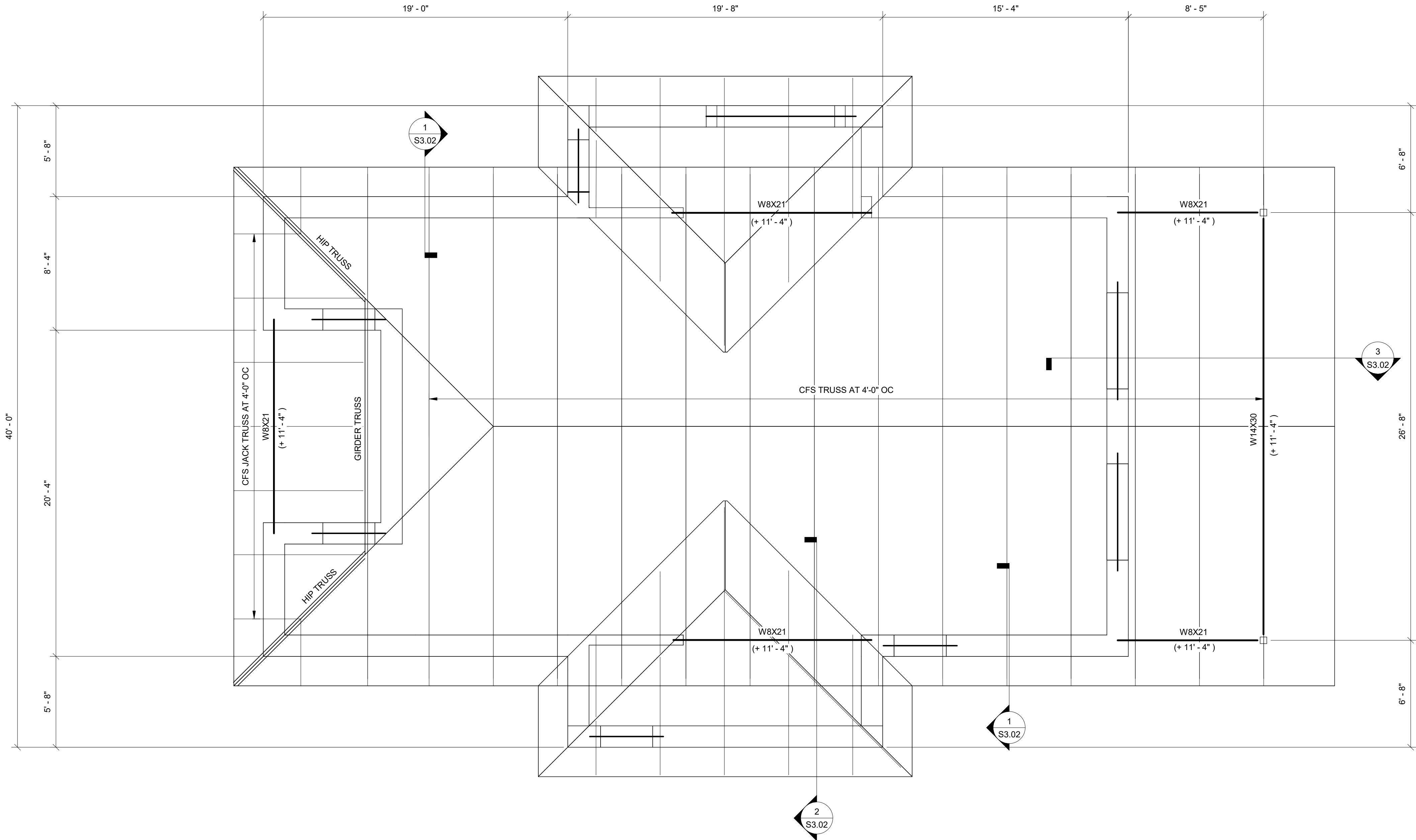
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FOUNDATION PLAN -
CONCESSIONS BUILDING

S1.01

FRAMING NOTES:

- DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO ARCHITECTURAL SITE PLAN FOR ACTUAL ELEVATION.
- THE TERM TRUSS BEARING ELEVATION INDICATES TOP OF CONCRETE IN BOND BEAM SUPPORTING TRUSS BEARING PLATES. TRUSS BEARING ELEVATIONS ARE INDICATED THUS (+ ____) ON PLAN.
- TOP OF STEEL BEAM ELEVATIONS INDICATED THUS (+ ____) ON PLAN.
- ROOF CONSTRUCTION IS 1-1/2" DEEP, 20 GA. TYPE 'B' STEEL ROOF DECK SUPPORTED ON LIGHT GAGE METAL TRUSSES ON MASONRY BEARING WALLS AND STEEL BEAMS.
- FOR LOCATION AND DIMENSIONS OF ROOF OPENINGS SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
- UNLESS OTHERWISE SHOWN PROVIDE ANGLE 4" x 4" x 3/8" FRAMING AROUND ALL MECHANICAL AND ARCHITECTURAL ROOF OPENINGS.
- FOR COLUMN SIZE SEE FOUNDATION PLAN.
- FOR LINTEL SCHEDULE SEE TYPICAL DETAIL SHEET. LINTELS ARE NOTED ON PLAN THUS:  FOR EXACT LOCATION SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
- FOR TYPICAL DETAILS AND GENERAL NOTES REFER TO SHEET S0.01, S0.02, AND S5.01



ROOF FRAMING PLAN - CONCESSIONS BUILDING 1
1/4" = 1'-0"



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NRW ENGINEERING

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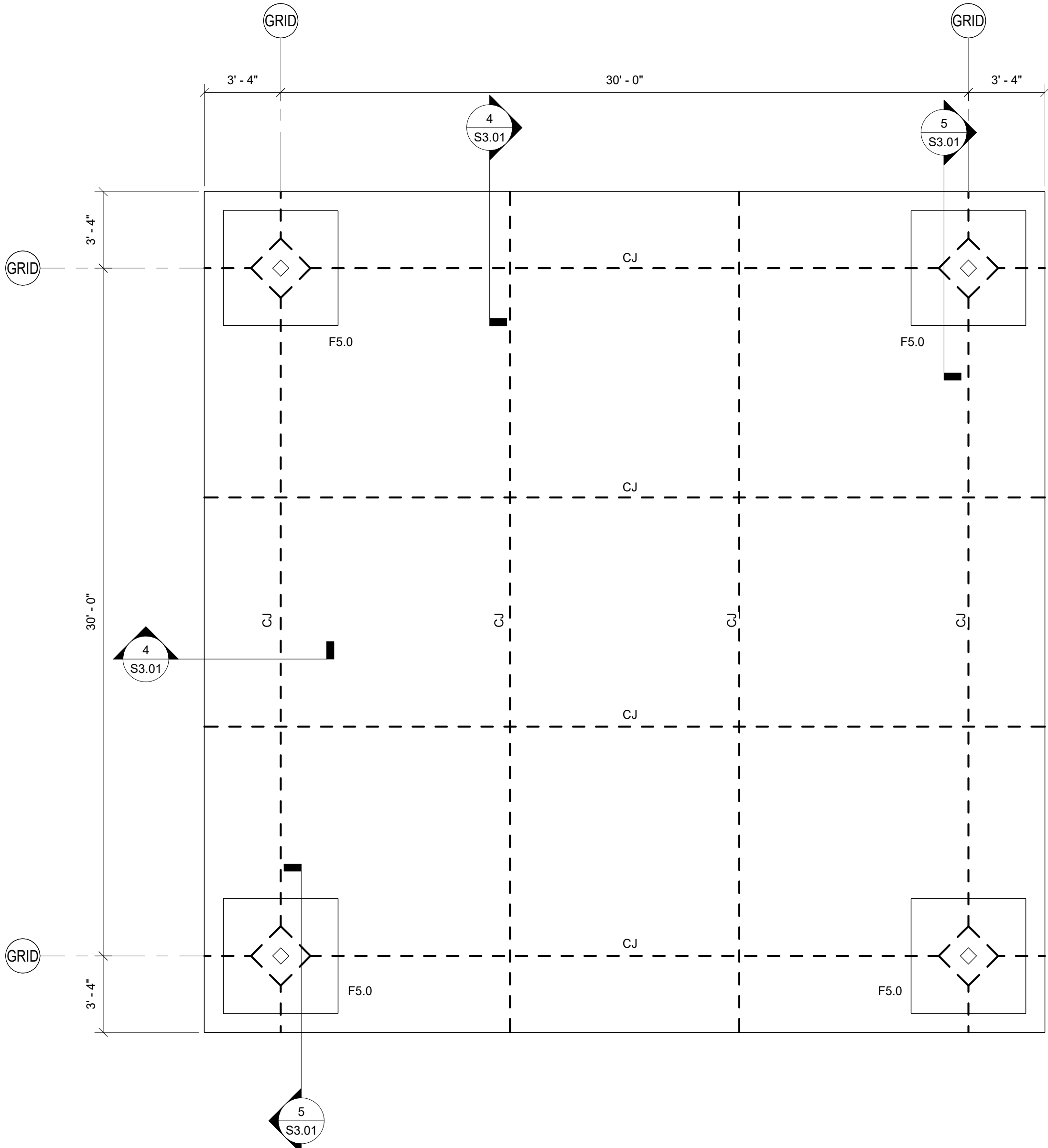
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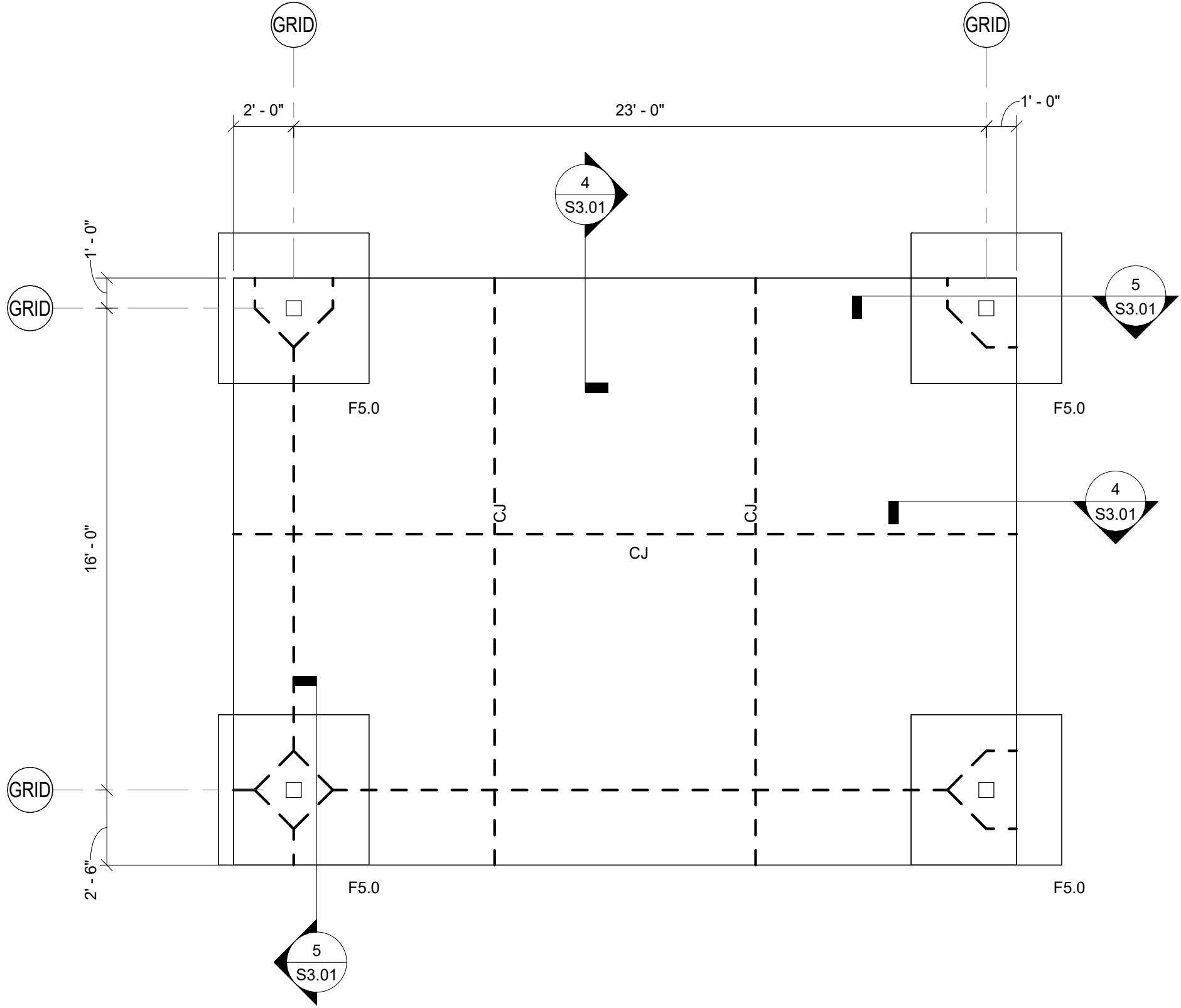
SHEET NAME & NUMBER

**ROOF FRAMING PLAN -
CONCESSIONS BUILDING**

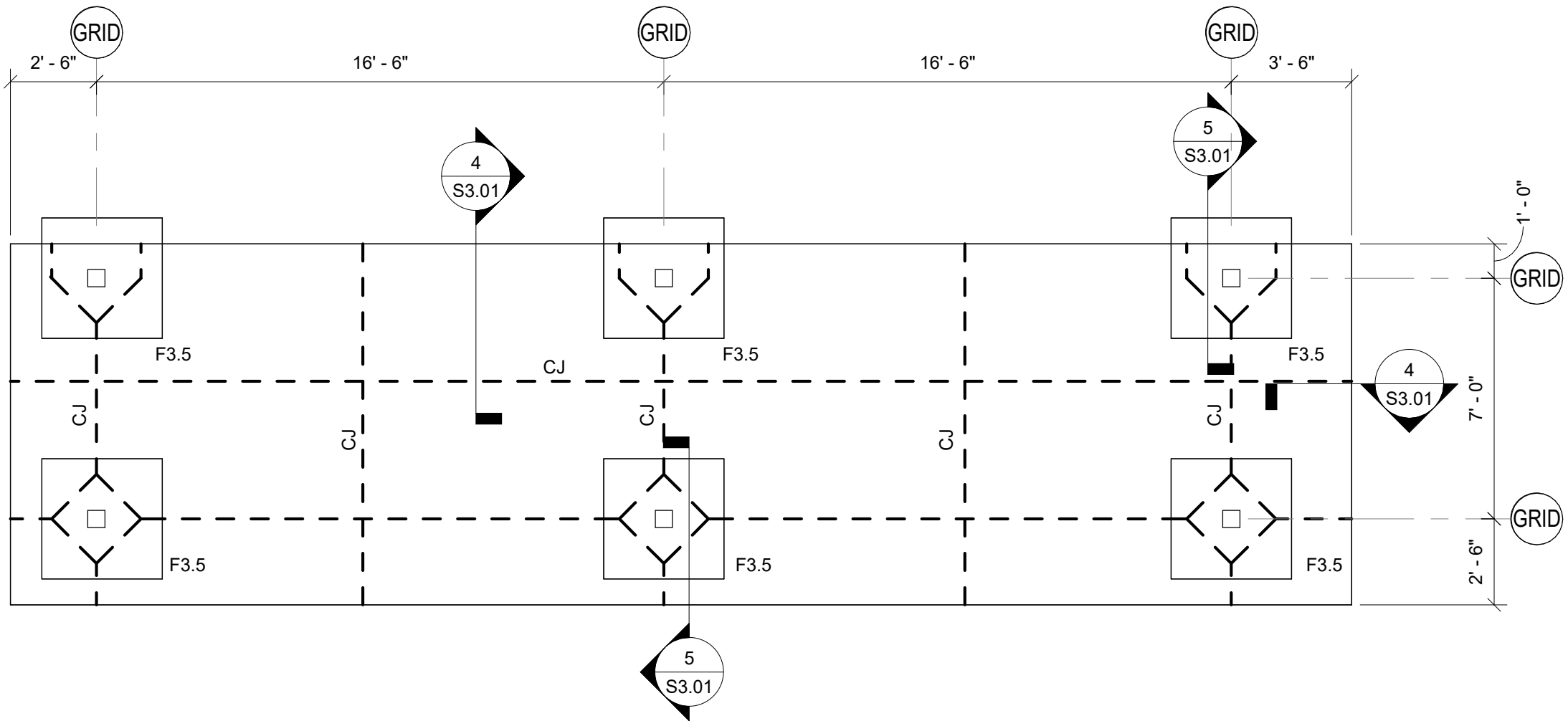
S1.02



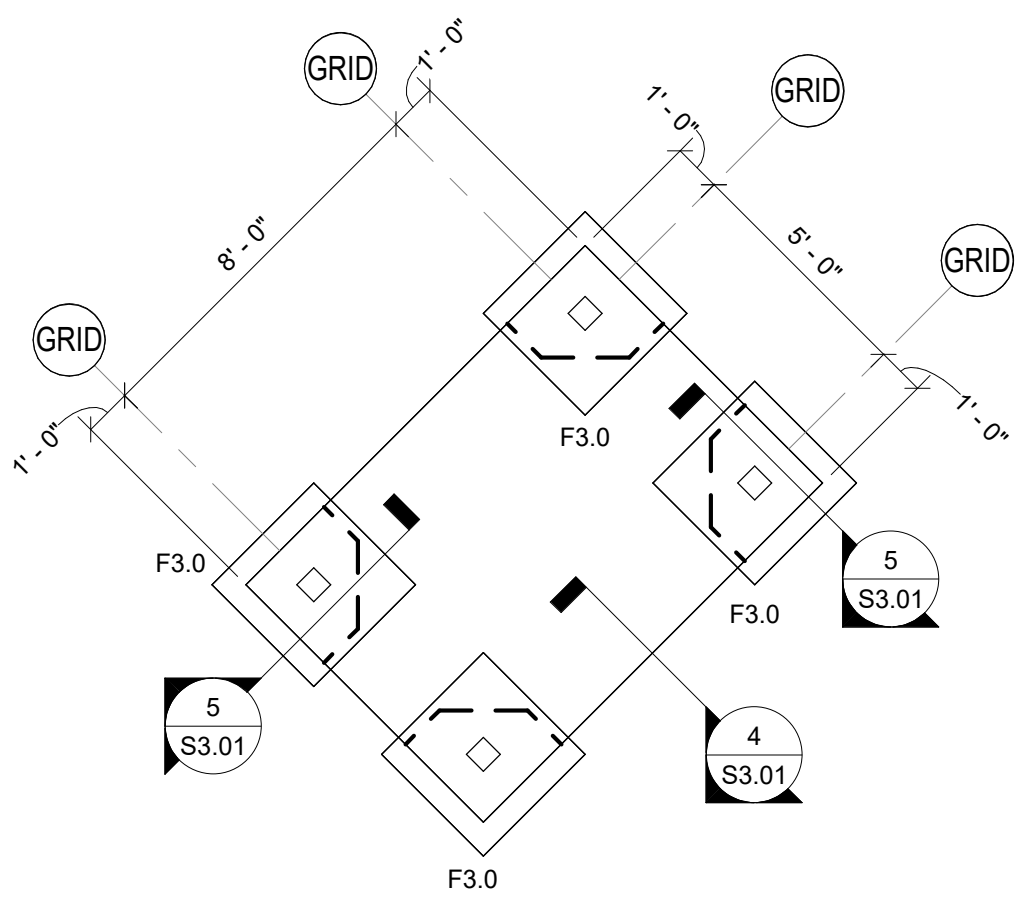
FOUNDATION PLAN - PICNIC SHELTER 1
1/4" = 1'-0"



FOUNDATION PLAN - BLEACHER SHELTER 2
1/4" = 1'-0"



FOUNDATION PLAN - DUGOUT SHELTER 3
1/4" = 1'-0"



FOUNDATION PLAN - SCORER'S TABLE SHELTER 4
1/4" = 1'-0"

- FOUNDATION NOTES:
- DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR = 0'-0". REFER TO CIVIL SITE PLAN FOR ACTUAL ELEVATION.
 - TOP OF CONCRETE SLAB IS AT +0'-0" UNLESS OTHERWISE INDICATED THUS (+___) ON PLAN.
 - UNLESS OTHERWISE NOTED PROVIDE 4" AIR ENTRAINED CONCRETE SLAB ON GRADE ON 6" MIN WELL COMPACTED LAYER OF NCDOT #57 STONE FILL. REINFORCE SLAB WITH 6 x 6 - W2.9 x W2.9 WWF PLACED 1" CLEAR FROM TOP OF SLAB. TOP OF SLAB ELEVATION IS AT 0'-0" UNLESS OTHERWISE NOTED THUS (+/- 0") ON PLAN.
 - REFER TO COLUMN FOOTING SCHEDULE, ON SHEET S1.01, FOR FOOTING SIZES AND REINFORCING.
 - UNLESS NOTED THUS (-___) ON PLAN, TOP OF ALL COLUMN FOOTINGS SHALL BE AT -0'-6" BELOW DATUM.
 - THE SYMBOL "CJ" INDICATES A SLAB CONTROL JOINT, AND MAY BE A CONSTRUCTION JOINT OR SAWED JOINT. REFER TO TYPICAL SLAB CONTROL JOINT DETAILS ON SHEET S5.01.
 - NO FOUNDATION WORK SHALL BE INSTALLED UNTIL ALL UNDERGROUND UTILITIES, ETC. HAVE BEEN COORDINATED WITH FOUNDATION LOCATIONS AND ELEVATIONS.
 - FOR TYPICAL DETAILS AND GENERAL NOTES, REFER TO SHEET S0.01, S0.02, AND S5.01.
 - COLUMNS SHOWN ARE A GRAPHIC REPRESENTATION OF THE PRE-ENGINEERED SHELTER SYSTEM COLUMNS AND PROVIDED BY THE PRE-ENGINEERED SHELTER SYSTEM MANUFACTURER. THE GENERAL CONTRACTOR MUST COORDINATE THE EXACT COLUMN LOCATIONS WITH THE SHELTER SYSTEM MANUFACTURER.

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SHEET NAME & NUMBER
FOUNDATION PLANS - PICNIC,
BEACHERS, DUGOUTS AND
SCORER'S TABLE SHELTERS



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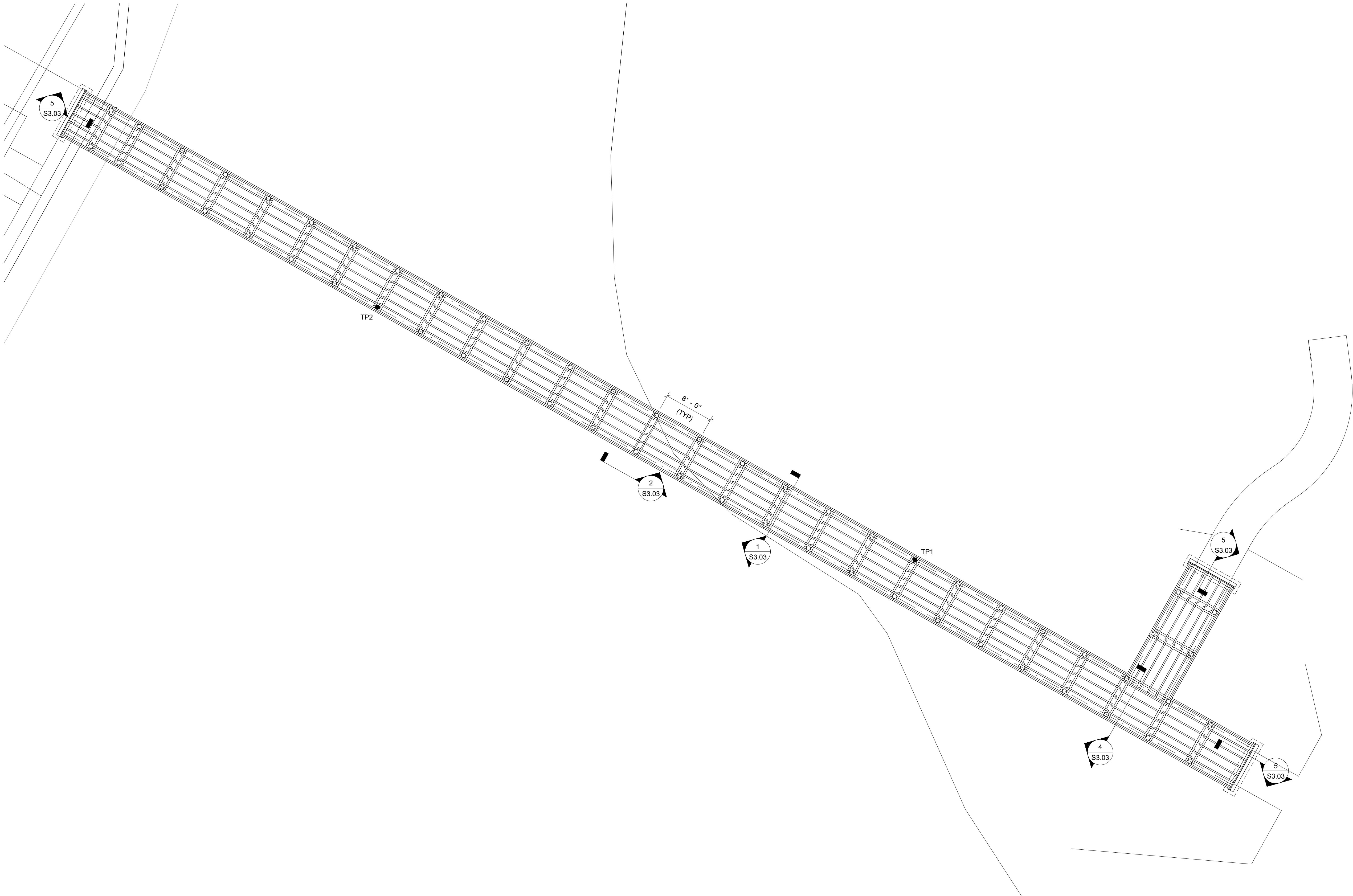
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NORTH BOARDWALK FRAMING
PLAN

S1.04



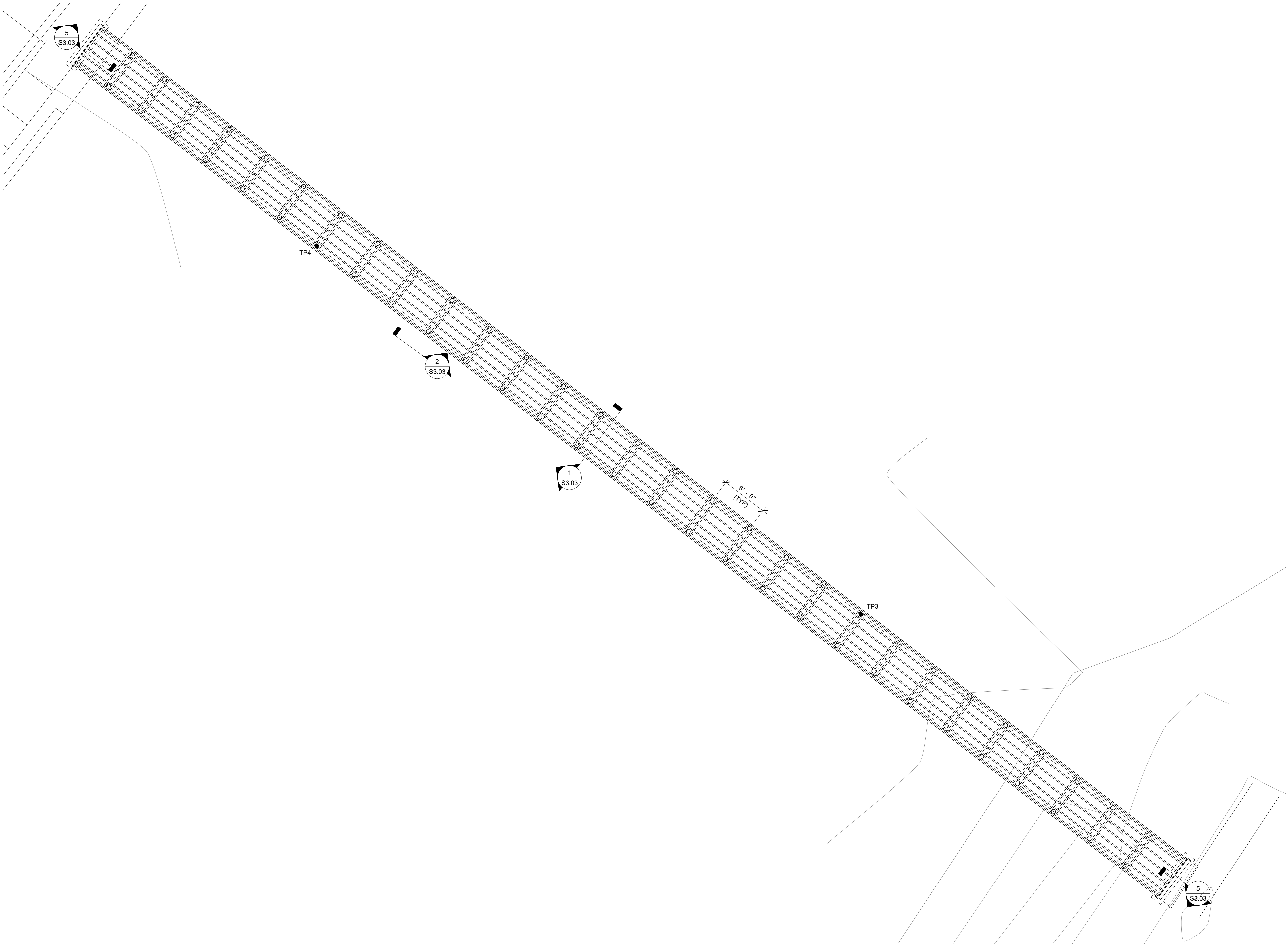
BOARDWALK PLAN NOTES:

- FOR ALL TOP OF BOARDWALK AND RAMP ELEVATIONS REFER TO CIVIL SITE PLANS.
- UNLESS OTHERWISE NOTED ON THE CIVIL SITE PLANS, THE UNDERSIDE OF THE TIMBER BEAMS MUST BE A MINIMUM OF 3'-0" ABOVE FINAL GRADES.
- FOR SITE CONSTRUCTION REFER TO CIVIL DRAWINGS.
- BOARDWALK CONSTRUCTION IS 5/4 TREATED DECK BOARDS SUPPORTED ON 3x10 PRESSURE TREATED WOOD JOISTS SPANNING TO 4x10 PRESSURE TREATED WOOD BEAMS SUPPORTED ON 8" DIAMETER PRESSURE TREATED WOOD PILES SPACED AT 8'-0" ON CENTERS MAX.
- RECOMMENDED TEST PILE LOCATIONS ARE DENOTED THUS 'TPX' ON PLAN. REFER TO PROJECT MANUAL FOR GEOTECHNICAL REPORT AND TIMBER PILE SPECIFICATIONS FOR TEST PILE REQUIREMENTS. THE CONTRACTOR MUST CONSULT WITH THE PROJECT GEOTECHNICAL ENGINEER TO CONFIRM LOCATIONS OF TEST PILES PRIOR TO DRIVING TEST PILES.
- FOR TYPICAL DETAILS AND GENERAL NOTES, REFER TO SHEET S0.01, S0.02, S5.01, AND S5.02.

NORTH BOARDWALK FRAMING PLAN

1/8" = 1'-0"

1



BOARDWALK PLAN NOTES:

- FOR ALL TOP OF BOARDWALK AND RAMP ELEVATIONS REFER TO CIVIL SITE PLANS.
- UNLESS OTHERWISE NOTED ON THE CIVIL SITE PLANS, THE UNDERSIDE OF THE TIMBER BEAMS MUST BE A MINIMUM OF 3'-0" ABOVE FINAL GRADES.
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- RECOMMENDED TEST PILE LOCATIONS ARE DENOTED THUS 'TPX' ON PLAN. REFER TO PROJECT MANUAL FOR GEOTECHNICAL REPORT AND TIMBER PILE SPECIFICATIONS FOR TEST PILE REQUIREMENTS. THE CONTRACTOR MUST CONSULT WITH THE PROJECT GEOTECHNICAL ENGINEER TO CONFIRM LOCATIONS OF TEST PILES PRIOR TO DRIVING TEST PILES.
- FOR TYPICAL DETAILS AND GENERAL NOTES, REFER TO SHEET S0.01, S0.02, S5.01, AND S5.02.

SOUTH BOARDWALK FRAMING PLAN

1/8" = 1'-0"

1



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SOUTH BOARDWALK FRAMING
PLAN

S1.05



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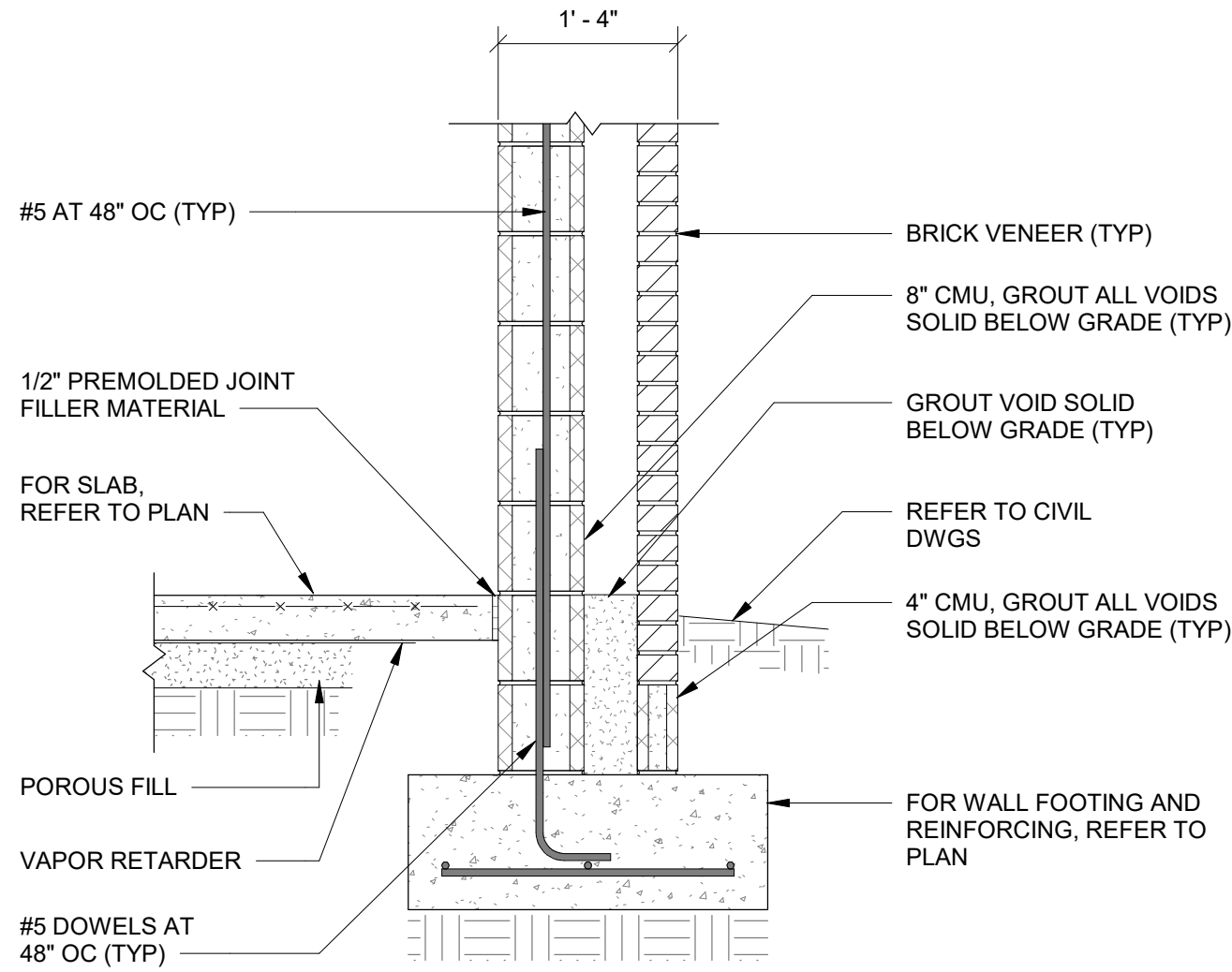
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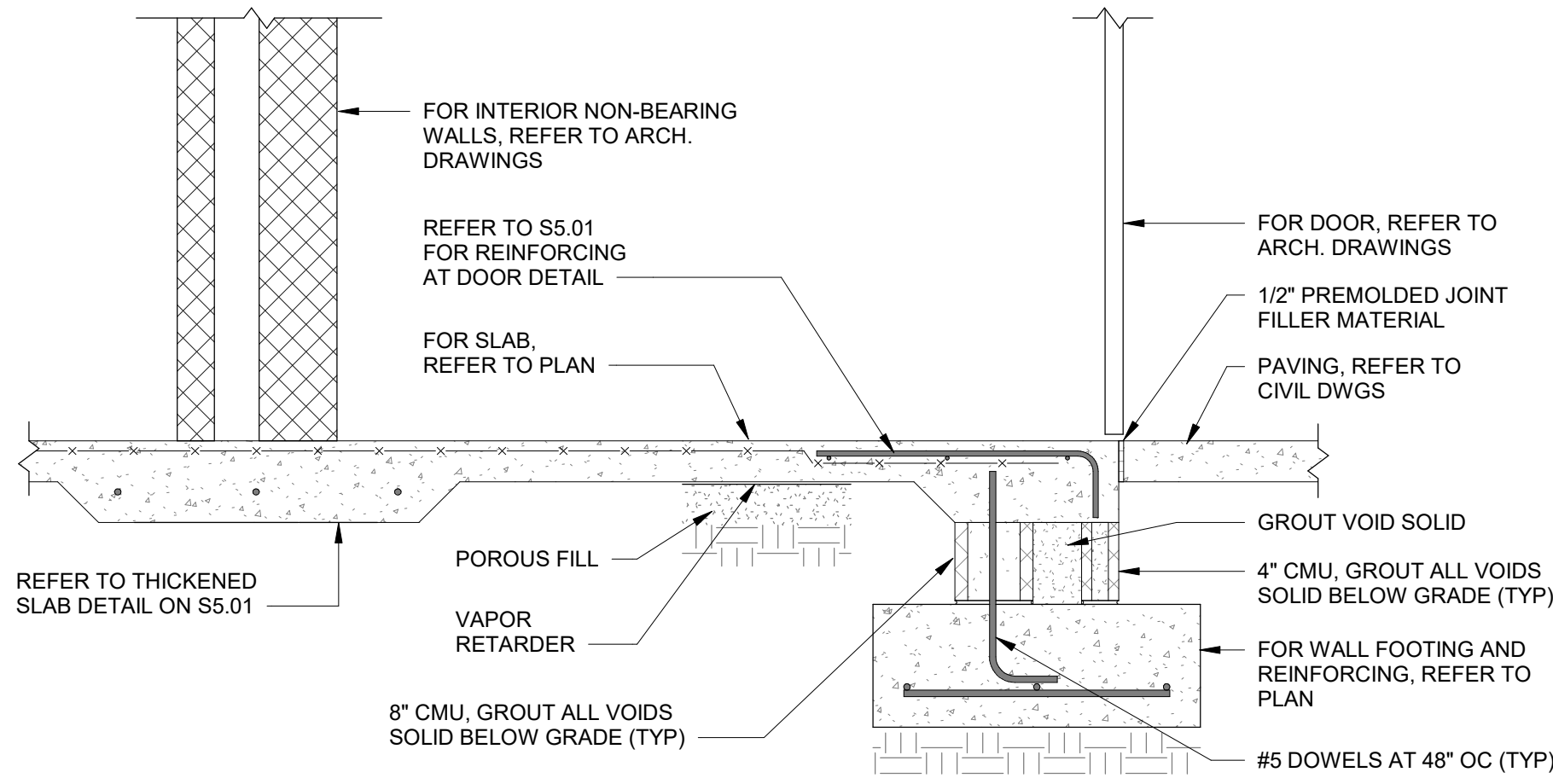
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SHEET NAME & NUMBER
FOUNDATION SECTIONS

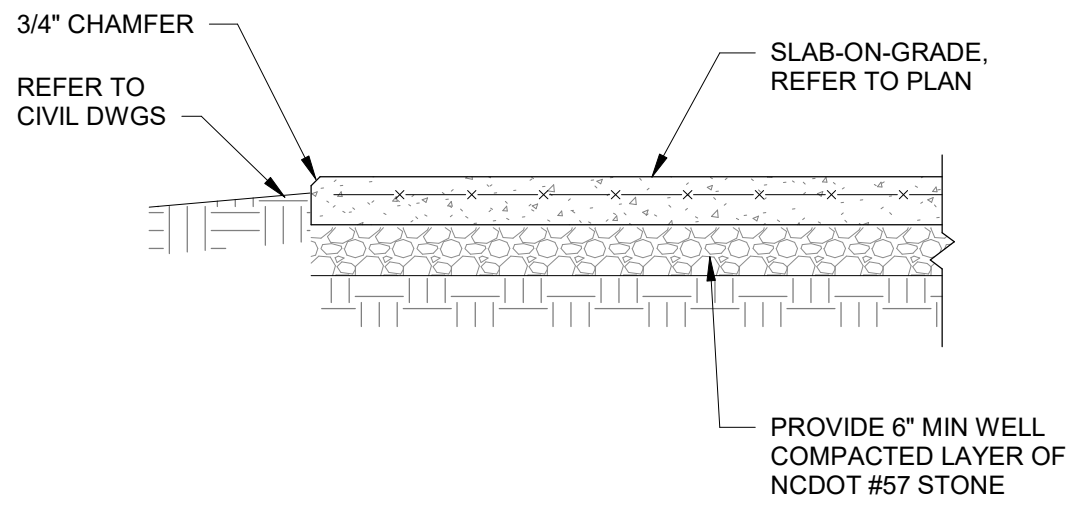
S3.01



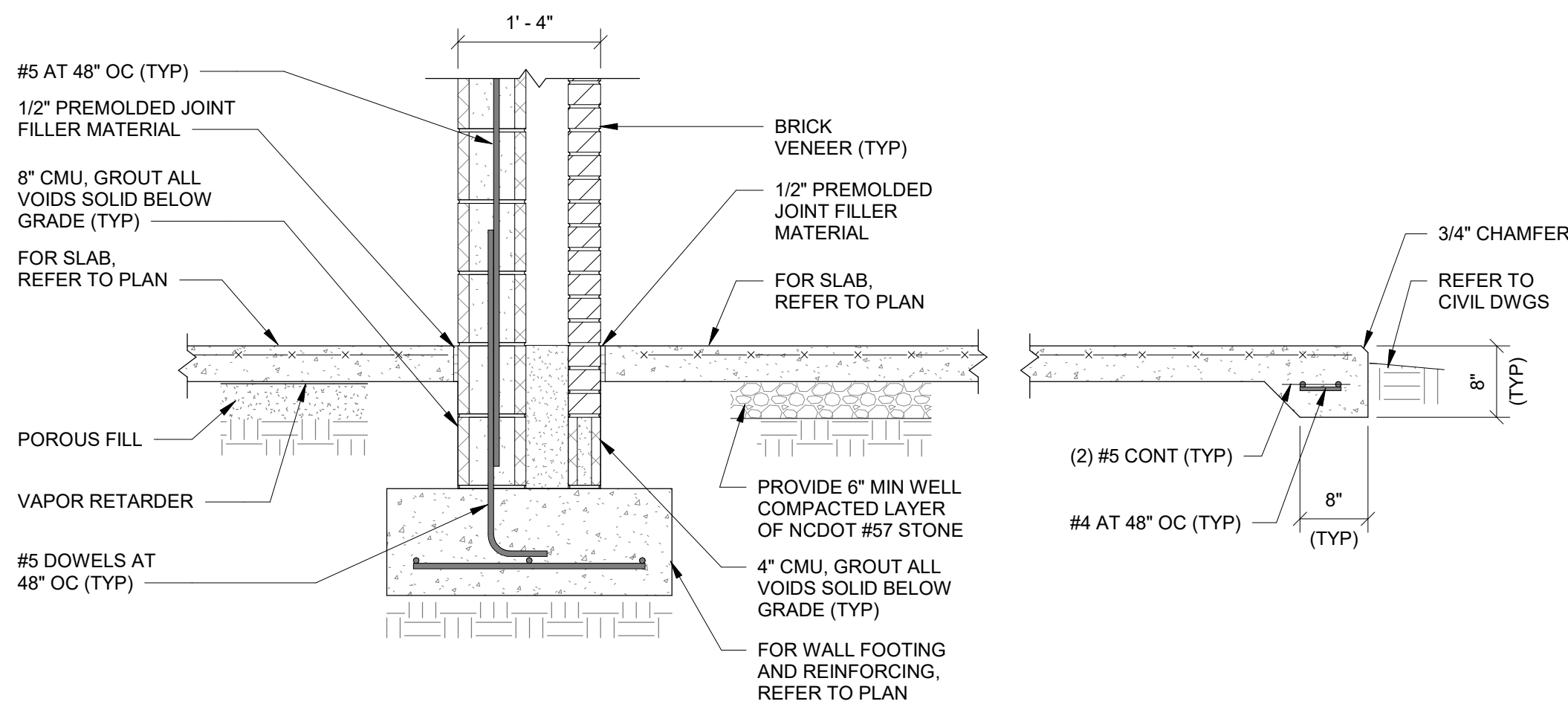
SECTION 1
3/4" = 1'-0"



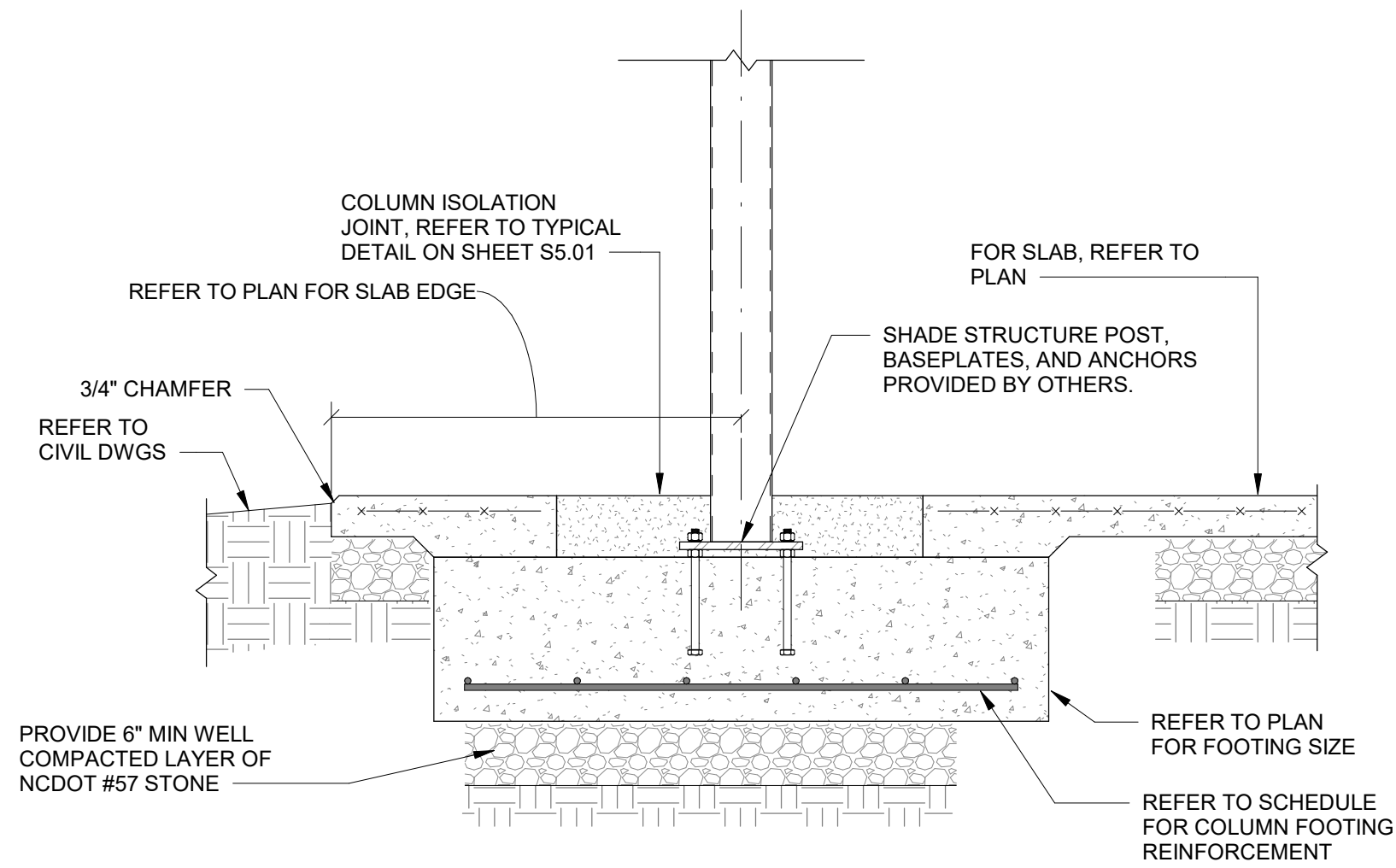
SECTION 2
3/4" = 1'-0"



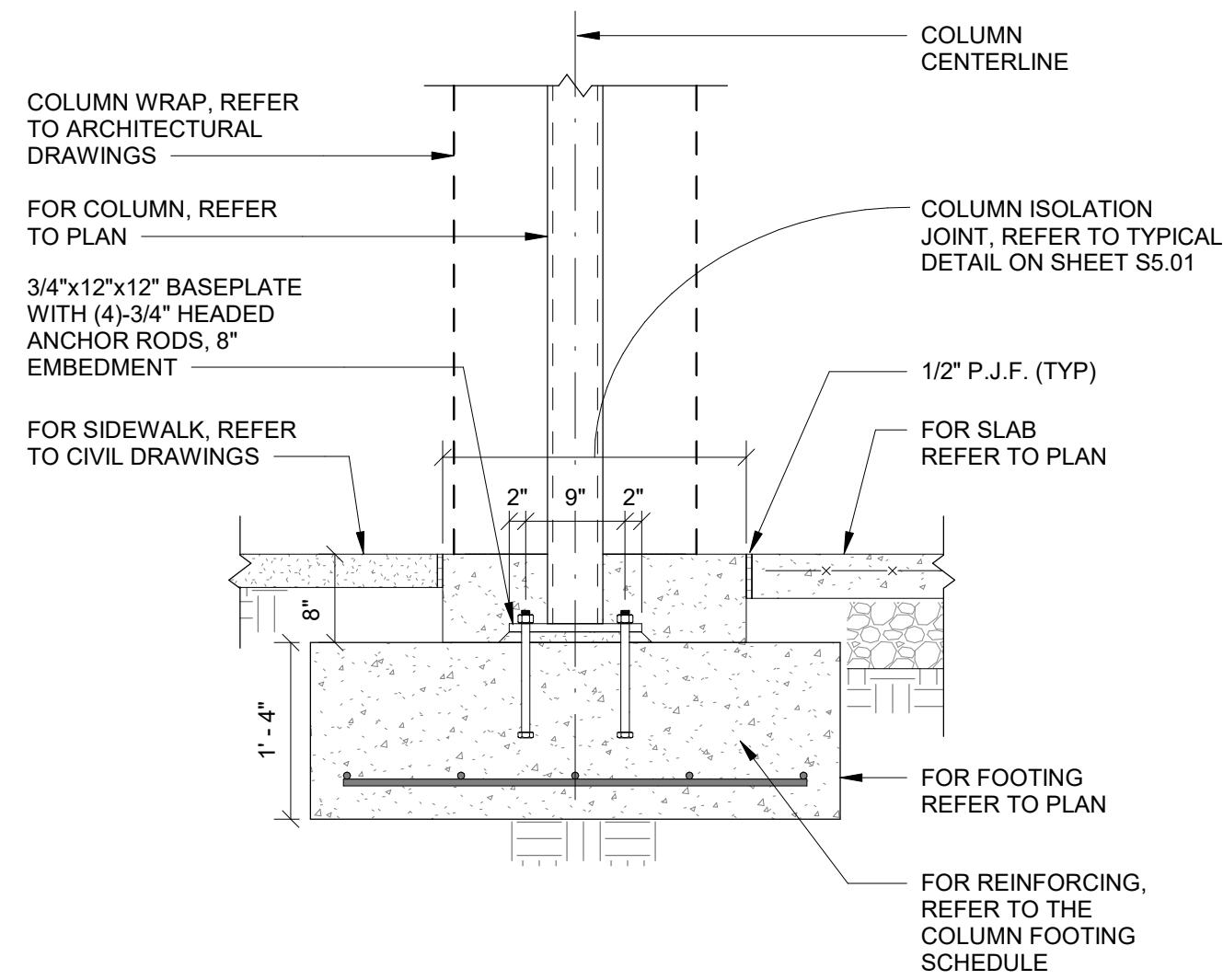
SECTION 4
3/4" = 1'-0"



SECTION 3
3/4" = 1'-0"



SECTION 5
3/4" = 1'-0"



SECTION 6
3/4" = 1'-0"



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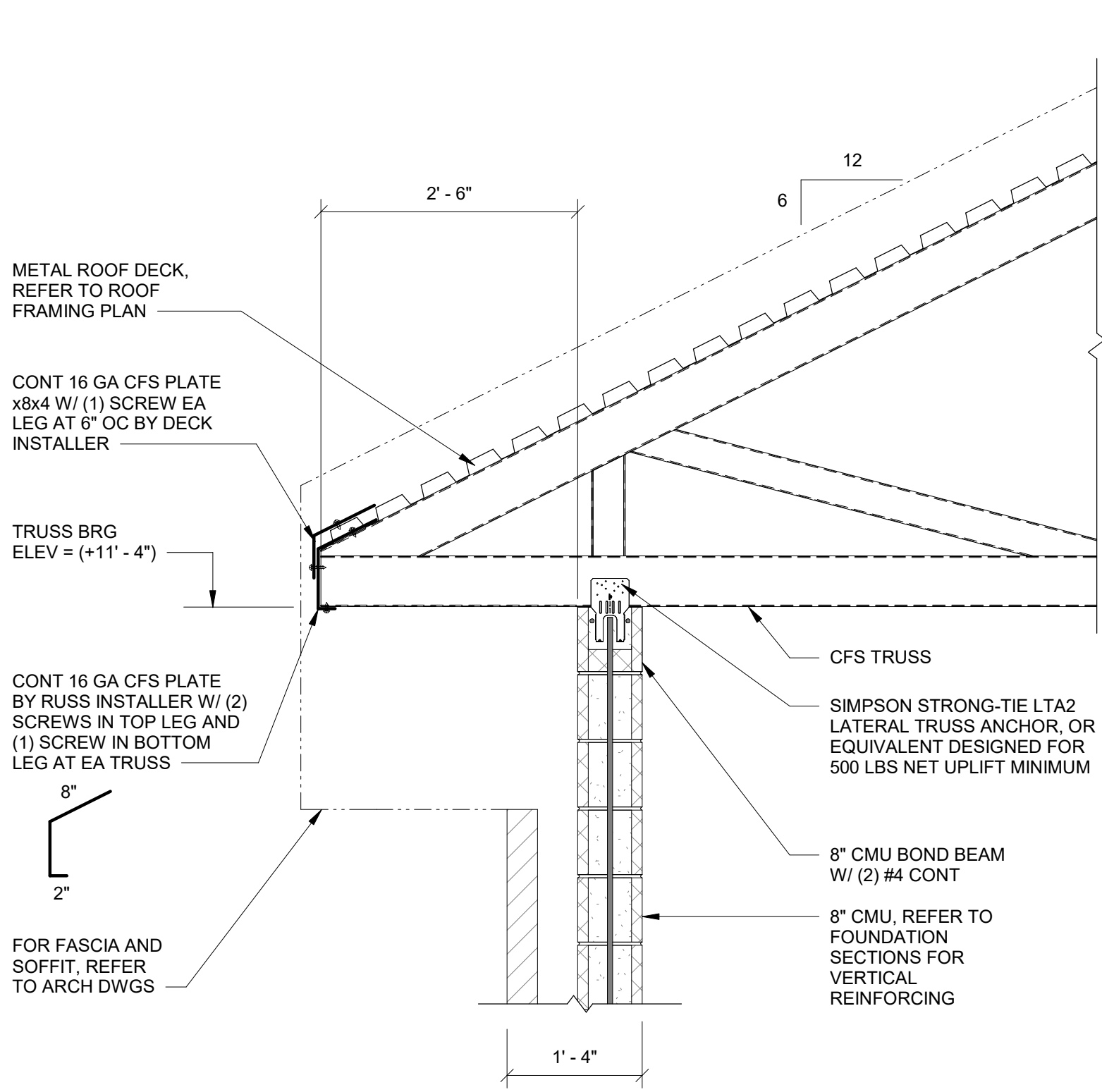
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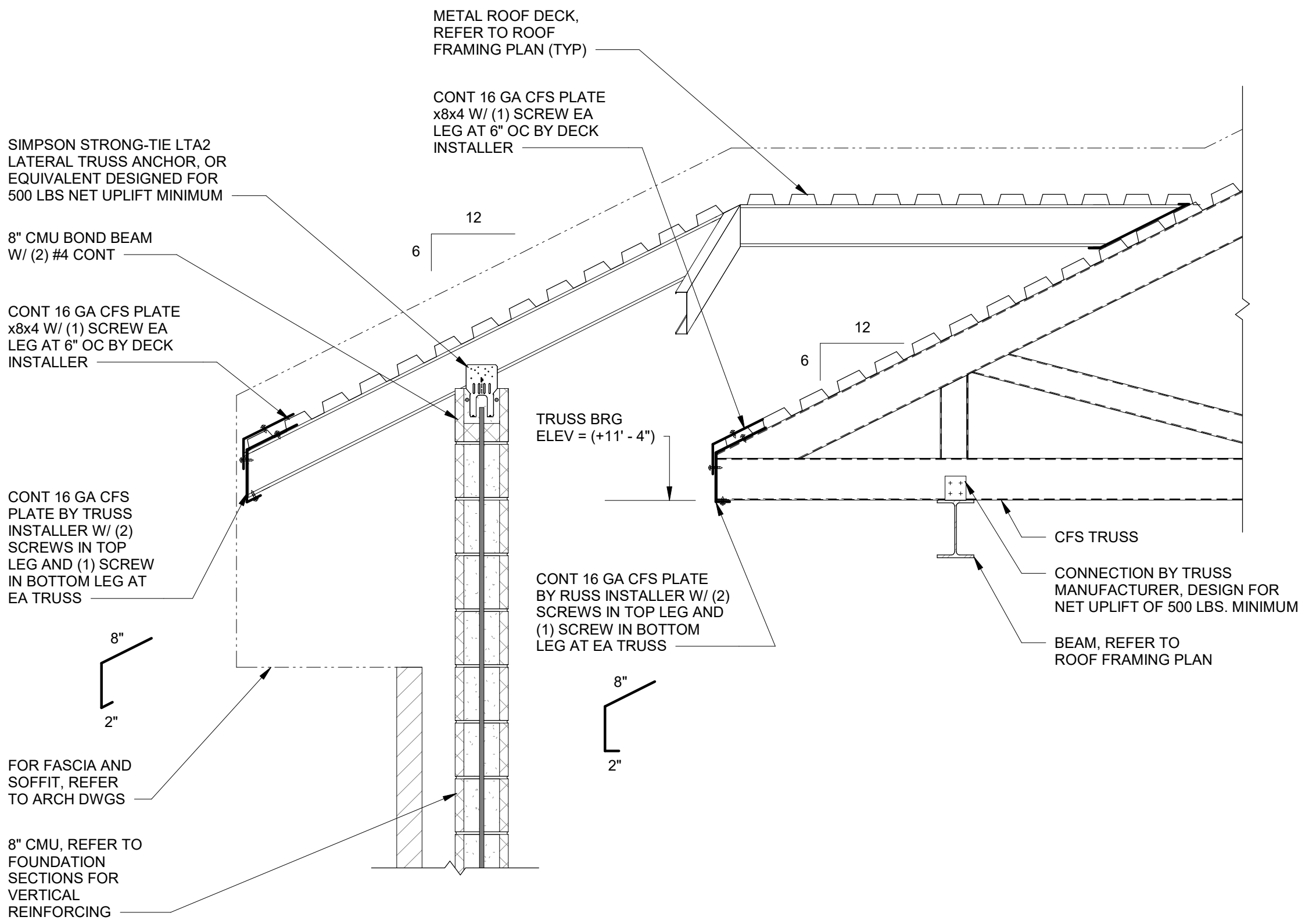
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SHEET NAME & NUMBER
ROOF FRAMING SECTIONS

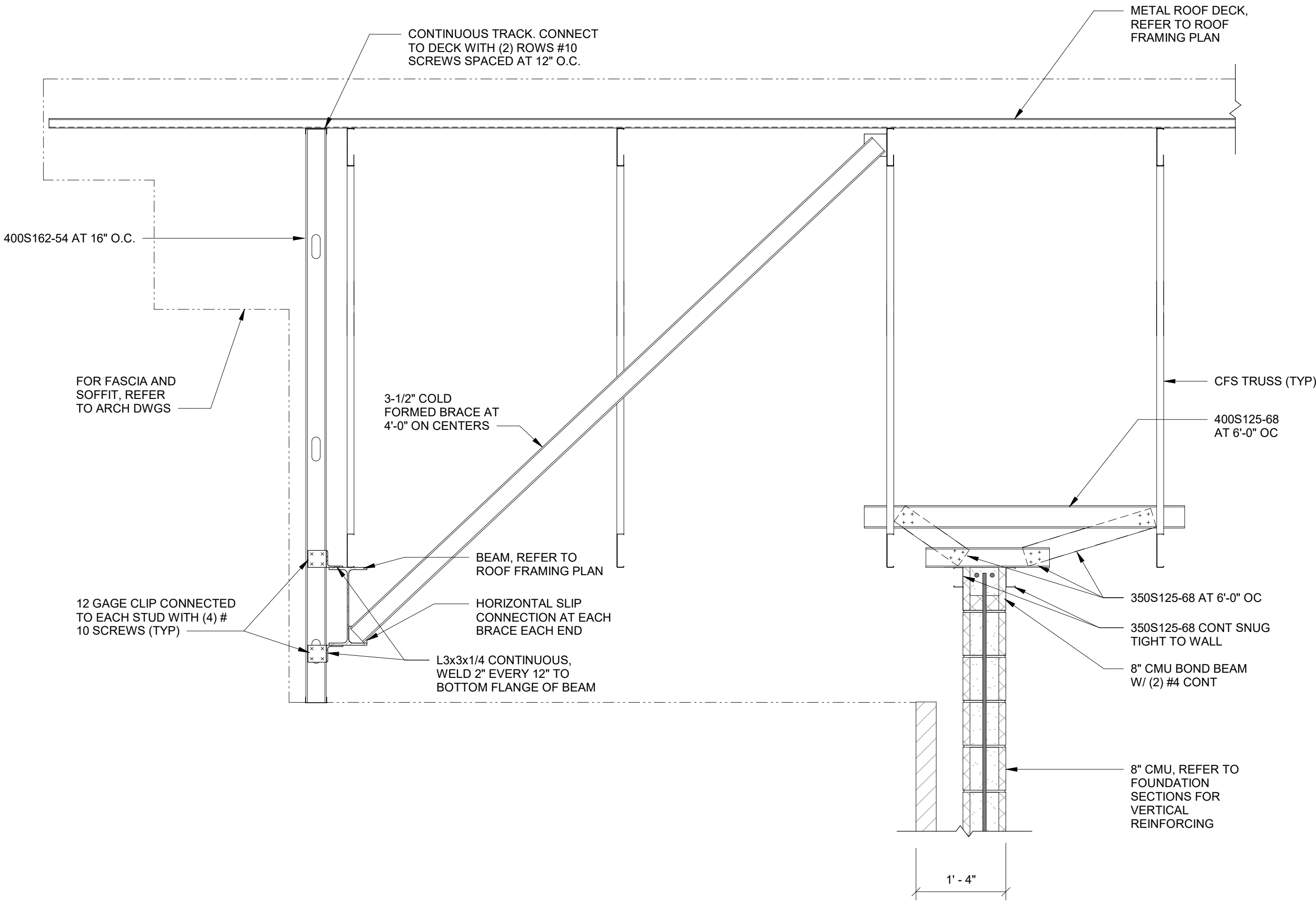
S3.02



SECTION 1
3/4" = 1'-0"



SECTION 2
3/4" = 1'-0"



SECTION 3
3/4" = 1'-0"



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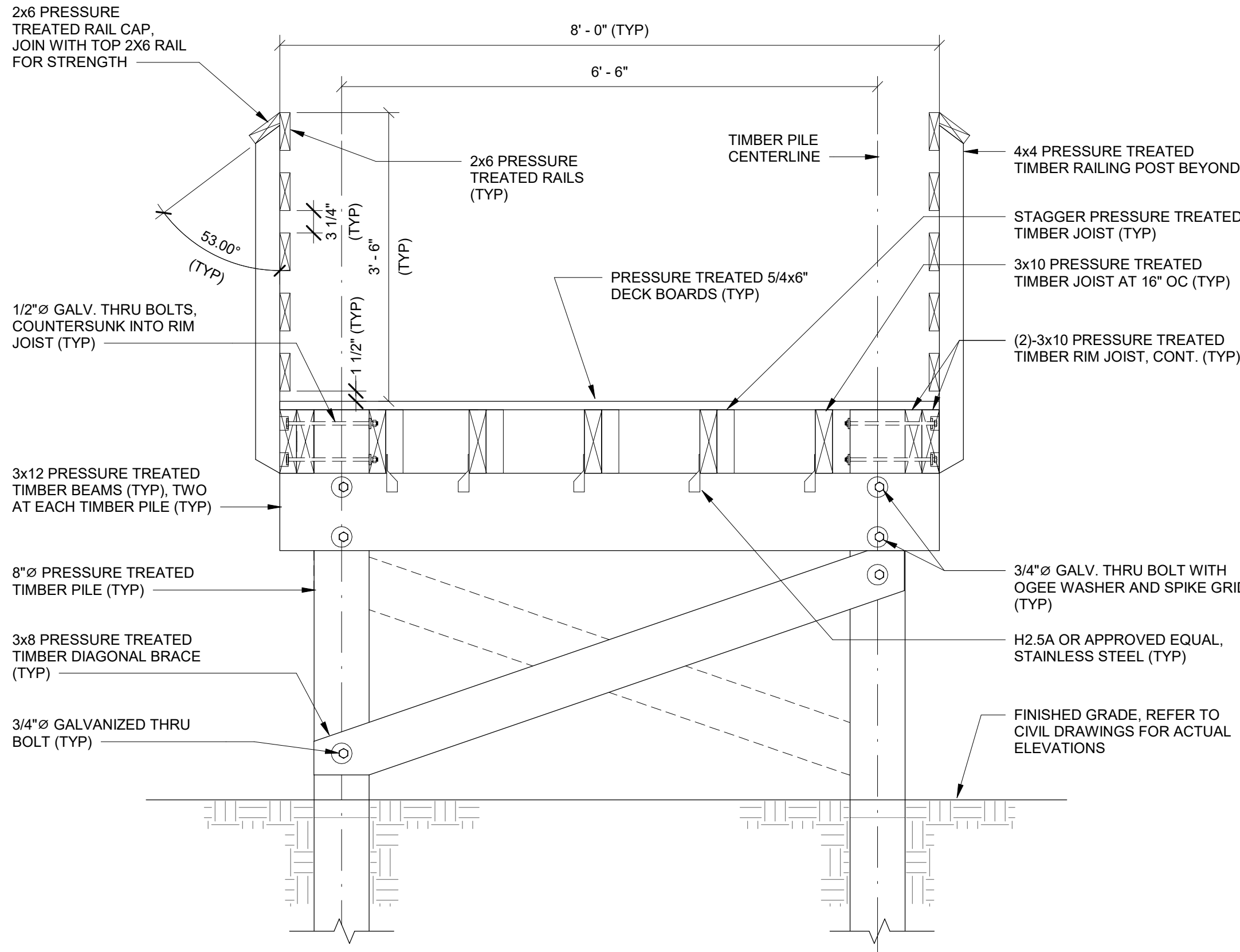
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**BOARDWALK FRAMING
SECTIONS**

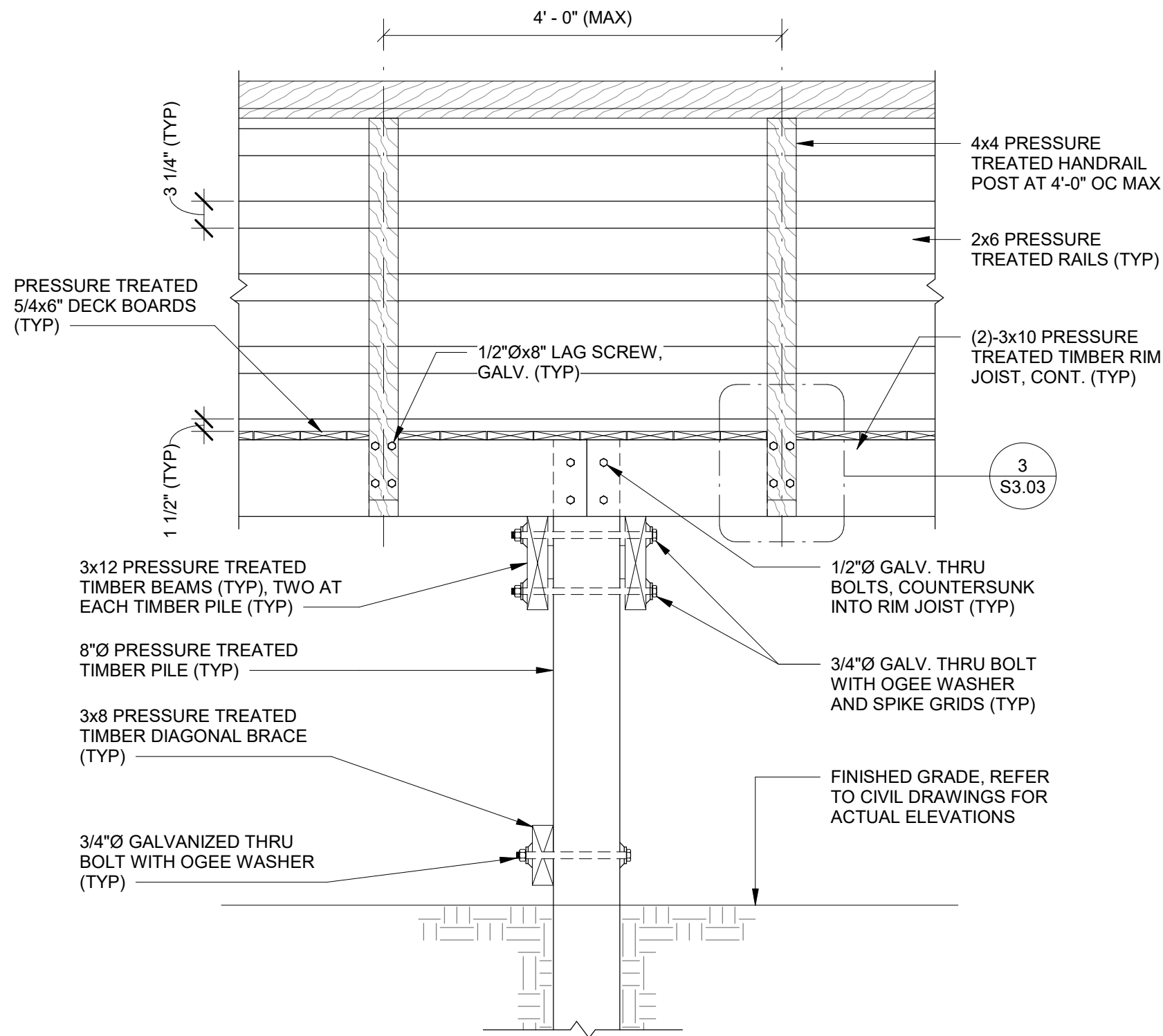
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SECTION 1

3/4" = 1'-0"

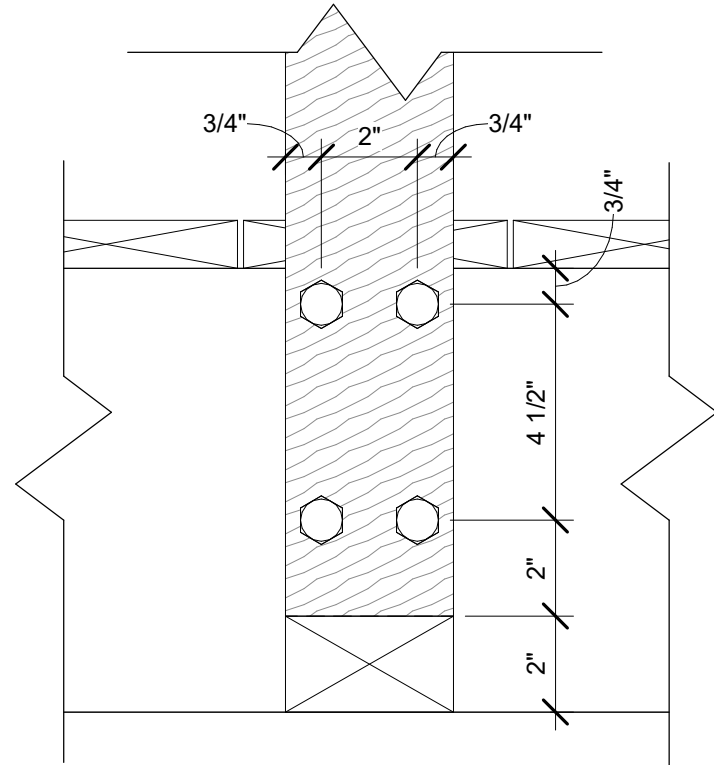
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SECTION 2

3/4" = 1'-0"

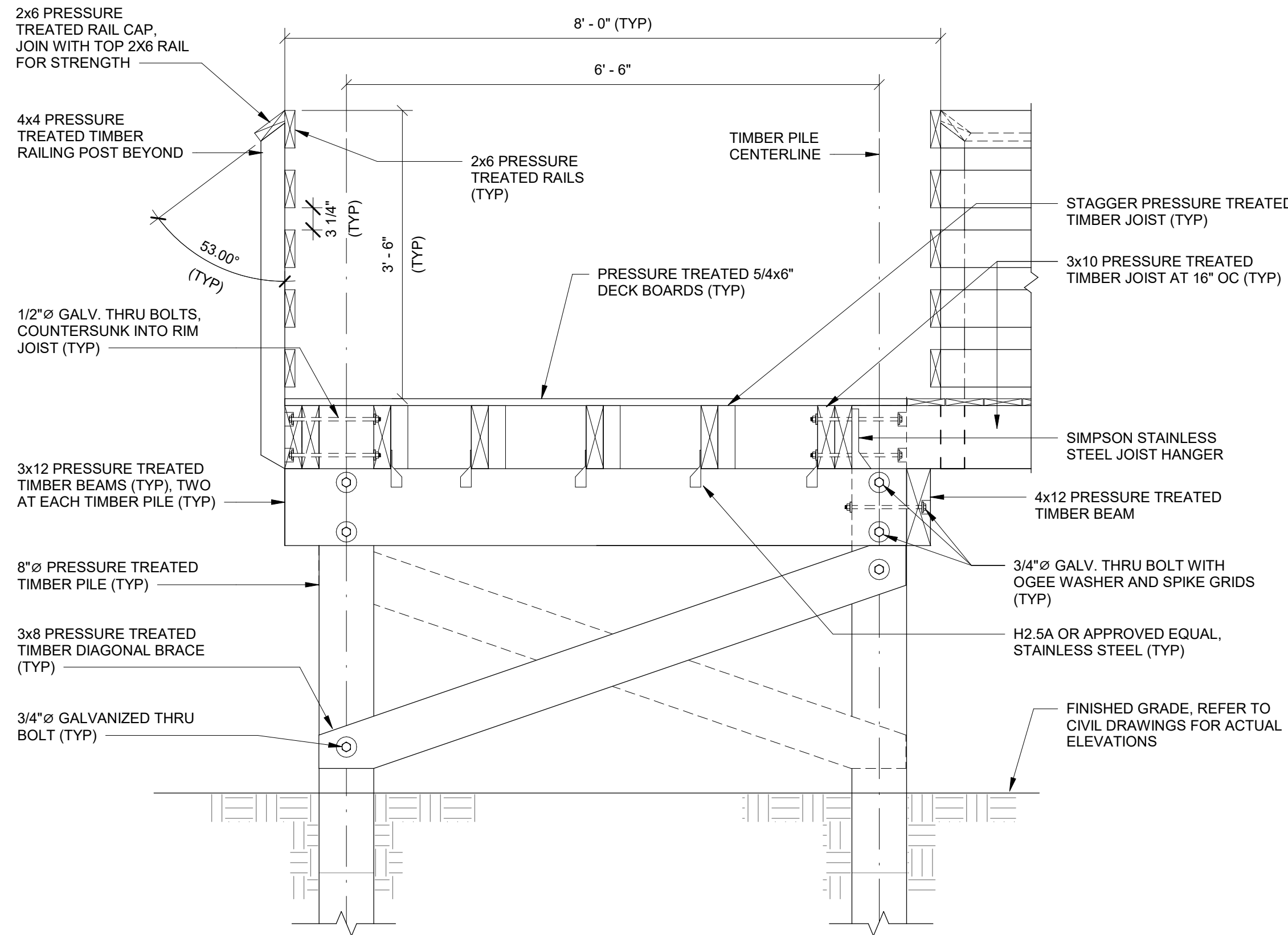
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SECTION 3

3" = 1'-0"

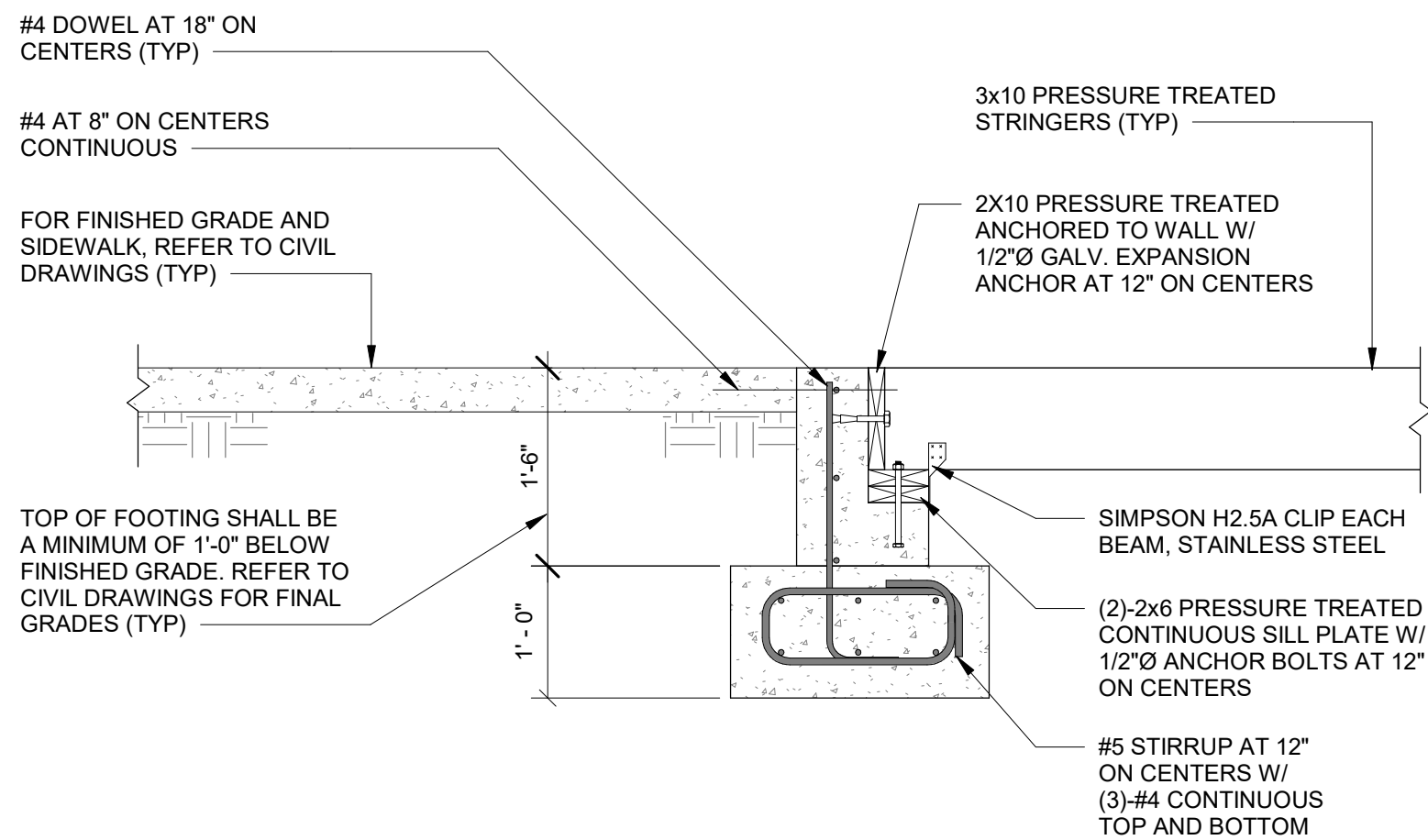
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SECTION 4

3/4" = 1'-0"

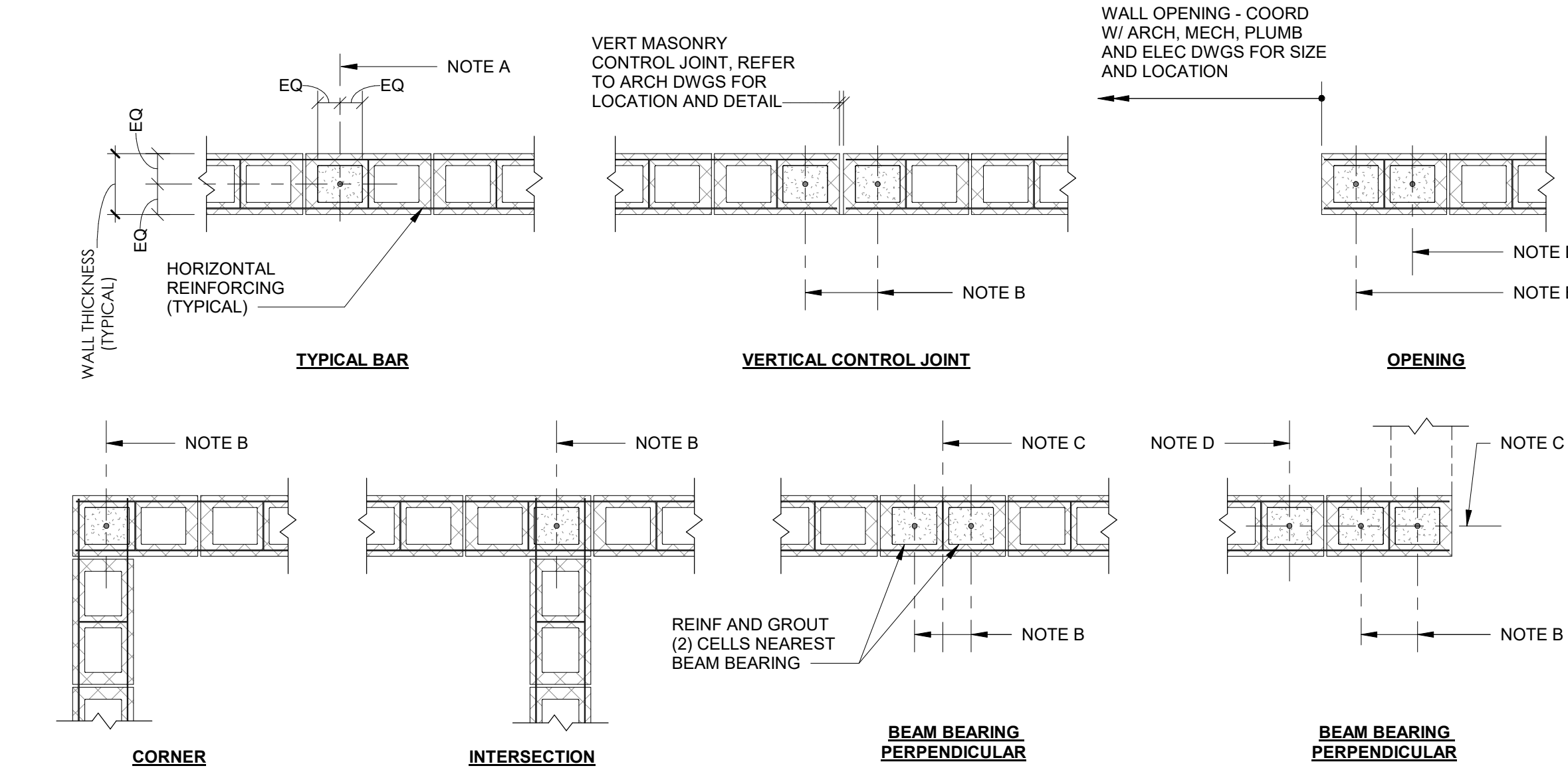
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SECTION 5

3/4" = 1'-0"

5

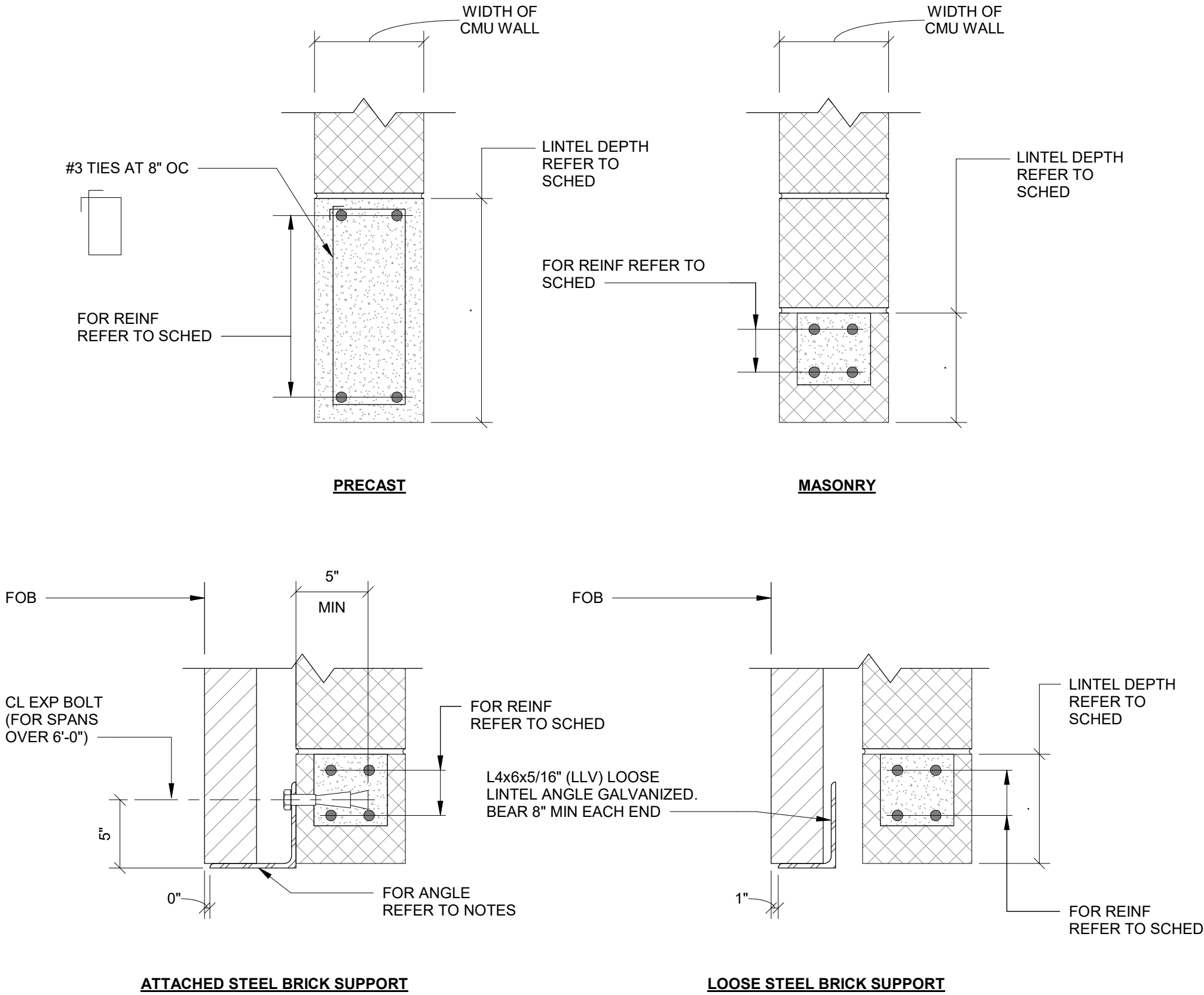


NOT TO SCALE

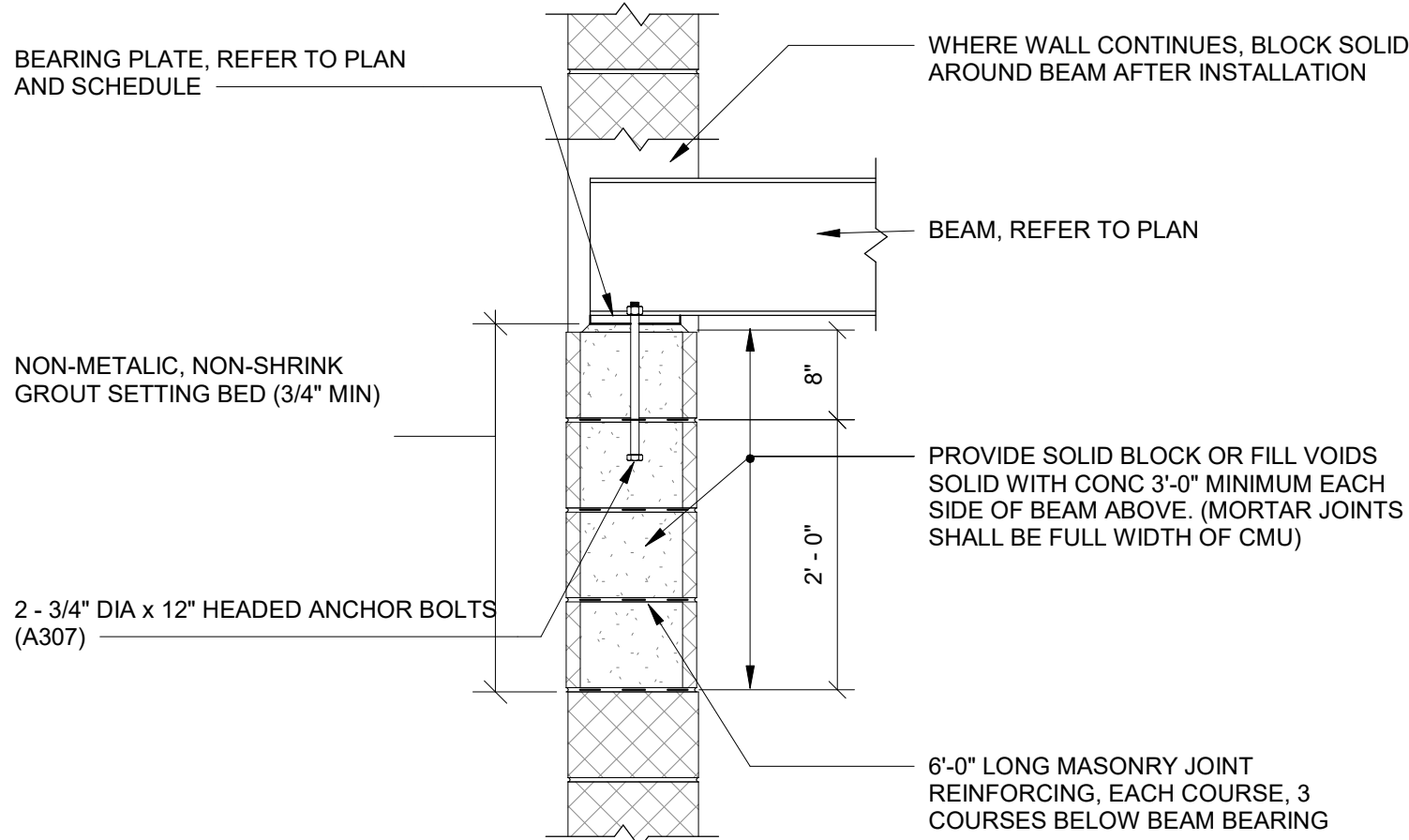
MASONRY AND PRECAST CONCRETE LINTEL SCHED FOR CMU PARTITIONS			
WALL WIDTH	TOP AND BOTTOM REINFORCING		
	4' SPAN & LESS CLEAR SPAN	OVER 4' TO 6' CLEAR SPAN	OVER 6' TO 8' CLEAR SPAN
6"	1 - # 5	1 - # 5	1 - # 6
8"	2 - # 4	2 - # 4	2 - # 5
10"	2 - # 4	2 - # 5	2 - # 6
12"	2 - # 5	2 - # 6	2 - # 7

NOTES:

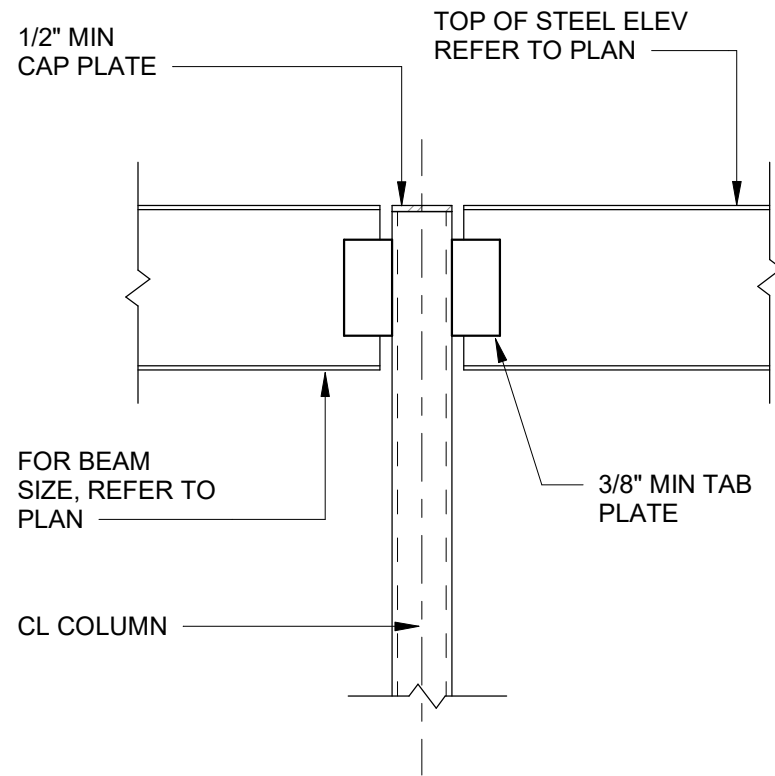
- FOR SIZE AND LOCATION OF OPENINGS REFER TO ARCH DRAWINGS.
- BEARING SHALL BE 8" MINIMUM EACH END.
- LINTELS UP TO 6'-4" SPAN SHALL BE 7 5/8" DEEP. LINTELS OVER 6'-0" SPAN SHALL BE 15 5/8" DEEP.
- FOR HEAD DETAILS REFER TO ARCHITECTURAL DRAWINGS.
- IN ADDITION TO MASONRY LINTELS AND AS REQUIRED BY ARCHITECTURAL DETAILS PROVIDE 4" x 6" x 5/16" LOOSE LINTELS AND 6" x 6" x 5/16" ATTACHED LINTELS FOR BRICK SUPPORT.
- FOR SPANS OVER 6'-4" LINTEL ANGLE SHALL BE ATTACHED TO MASONRY OR PRECAST LINTEL WITH 3/4" ROUND EXPANSION BOLTS AT 3'-0" OC (MIN 3 PER ANGLE).
- STEEL LINTEL ANGLES SHALL BE GALVANIZED, REFER TO SPECS
- REINFORCING STEEL SHALL BE A.S.T.M. GRADE 60.
- CONTRACTOR SHALL SUBMIT FOR APPROVAL SHOP DRAWINGS AND SCHEDULES SHOWING SIZE, DETAILS, LOCATION, ETC. FOR ALL LINTELS IN CMU WALLS.



NOT TO SCALE



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SHEET NAME & NUMBER
TYPICAL DETAILS

\$5.02