

C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELTCOM

ARCHITECT'S PROJECT # 21112

**Project :**  
FAMILY DOLLAR  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01-RURAL-VB PROTOTYPE

**Sheet Description :**  
COVER SHEET /  
SHEET INDEX /  
PROJECT INFO.

Seal  
05/03/22

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C.L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON, ARCHITECT

Drawn By :  
J. ZINK

Checked By :  
D. MYERS

Revisions table with columns for revision number, description, and date.

Date :  
05/03/22

Sheet No.

# PROPOSED FAMILY DOLLAR STORE

## 2021-01-PROTOTYPE-VANILLA BOX - 6A

# NORTH WY CURRITUCK, NC

**ARCHITECT:**  
  
C. L. HELT ARCHITECT, INC.  
6405 W. WILKINSON BLVD.  
SUITE 100  
BELMONT, NC 28012  
  
ATTN: JAMES ZINK  
PHONE: 704-342-1686  
FAX: 704-343-0054  
EMAIL: JAMESZ@CLHELTCOM

**TENANT:**  
  
DOLLAR TREE / FAMILY DOLLAR STORES, INC.  
500 VOLVO PARKWAY  
CHESAPEAKE, VA 23320  
  
APM: CHRISTINA FENNEMA  
PHONE: 757-991-5496 X14496  
EM: CFENNEMA@DOLLARTREE.COM

**PME CONSULTANT :**  
  
CORBETT ENGINEERING  
2120 DILWORTH RD. EAST  
CHARLOTTE, NC 28203  
  
ATTN: CORBETT THOMASON P.E.  
PHONE: 704-877-5752  
FAX: 704-333-1008  
CORBETT@CORBETTENGINEERING.COM

**STRUCTURAL ENGINEER:**  
  
TODD M. BORN, P.E.  
1522 MYRTLE OAKS TRAIL  
OVIEDO, FL 32765  
  
ATTN: TODD BORN  
PHONE: 704.578.7213  
EMAIL: todd@born-engineers.com

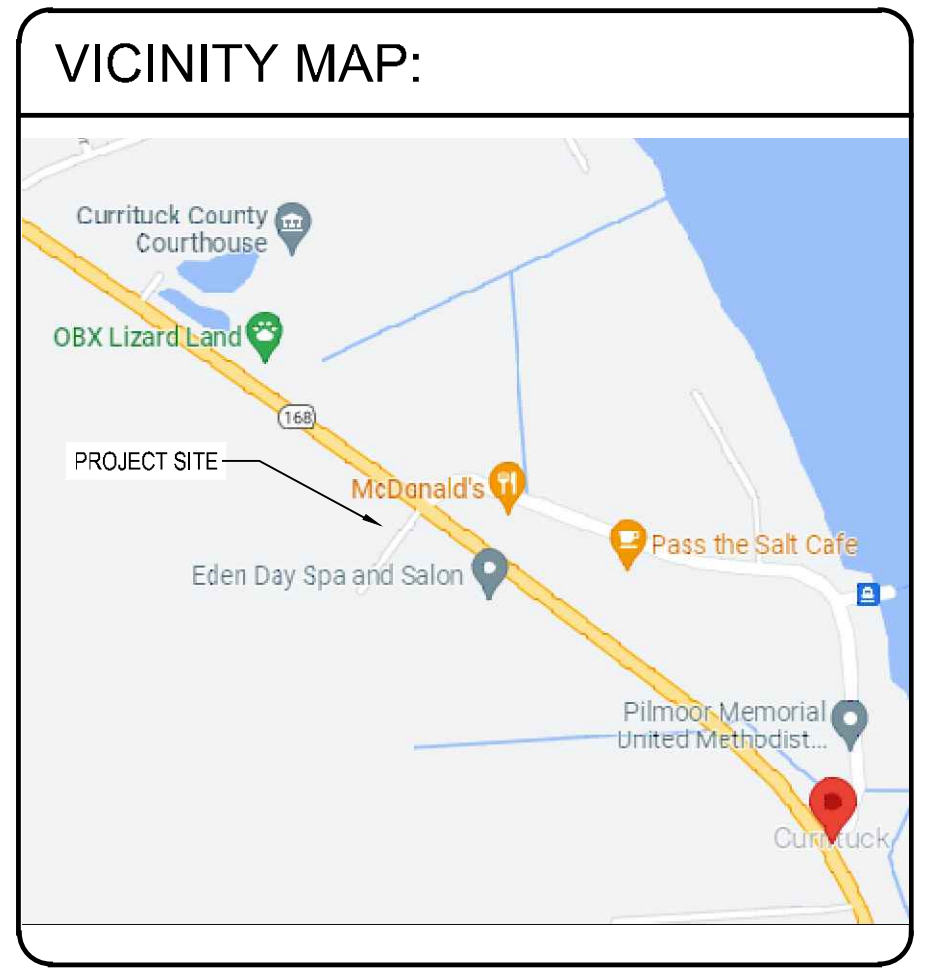
ULTIMATE WIND SPEED - 130 MPH Risk category II  
WIND EXPOSURE CATEGORY - C  
INFORMATION ABOVE ACQUIRED FROM 2018 NORTH CAROLINA STATE BUILDING CODE - BASED ON ADDRESS PROVIDED ON THIS SHEET.  
  
ALL TRADES INCLUDING BUT NOT LIMITED TO METAL BUILDING MANUFACTURERS AND STOREFRONT MANUFACTURERS, ARE TO VERIFY WIND SPEED PRIOR TO INDIVIDUAL DESIGN ASPECTS AND NOTIFY ARCHITECT PRIOR TO DESIGN IF CONFLICTING INFORMATION IS RECEIVED.

**ABBREVIATIONS:**

ACT	ACOUSTICAL CEILING TILE	MAX	MAXIMUM
ADA	AMERICAN DISABILITIES ACT	MFG. MANUF	MANUFACTURE, MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MIN	MINIMUM, MINUTE
ARCH	ARCHITECT, ARCHITECTURAL	MTD	MOUNTED
APPROX	APPROXIMATE	MTL	METAL
BD	BOARD	NIC	NOT IN CONTRACT
BLDG	BUILDING	OC	ON CENTER
CEM	CEMENT PLASTER FINISH	OPP	OPPOSITE
CLG	CEILING	PEJ	PREFORMED EXPANSION JOINT
CLR	CLEAR	PLAM	PLASTIC LAMINATE
CMU	CONCRETE MASONRY UNIT	PLYWD	PLYWOOD
COL	COLUMN	PR	PAIR
DF	DRINKING FOUNTAIN	PSI	POUNDS PER SQUARE INCH
DTL	DETAIL	PTD	PAINTED
DWG	DRAWING	RELO	RELOCATE
EA	EACH	REQD	REQUIRED
EIFS	EXTERIOR INSULATION FINISH SYSTEM	SC	SOLID CORE
ELEV	ELEVATION	SF	SQUARE FEET
EQ	EQUAL	SHT	SHEET
EXIST	EXISTING	SIM	SIMILAR
EXTING	EXTINGUISHER	STRUCT	STRUCTURAL
	FIRE EXTINGUISHER	T	THICK, THICKNESS
	FIRE RATING	TG	TEMPERED GLASS
	FIBERGLAS REINFORCED PANEL	THRESH	THRESHOLD
	FINISH, FINISHED	TYP	TYPICAL
	FOOT, FEET	UL	UNDERWRITERS LABORATORIES
	FOOTING	UON	UNLESS OTHERWISE NOTED
	FIELD VERIFY	VCT	VINYL COMPOSITION TILE
	GAGE	VTR	VENT THROUGH ROOF
GWB	GIPSUM WALL BOARD	W	WIDE, WIDTH
HIGH	HIGH	WD	WOOD
HDW	HARDWARE	WITH	WITH
	HOLLOW METAL	W/WF	WELDED WIRE FABRIC
HGT	HEIGHT	&	AND
HOL	HOLLOW	∠	ANGLE
HORIZ	HORIZONTALLY	@	AT
HOUR	HOUR	CL	CENTER LINE
HVAC	HEATING, VENTILATION AND AIR CONDITIONING	DEG	DEGREES
	JOINT	Ø, DIA	DIAMETER
L	LENGTH, LONG	#	NUMBER
LAM	LAMINATE	±	PLUS OR MINUS
LVT	LUXURY VINYL TILE		

**SHEET INDEX**

PROJECT INFO	
T1.0	COVER SHEET / SHEET INDEX / PROJECT INFO.
T2.0	APPENDIX 'B' CODE SUMMARY
T3.0	COMCHECK ENERGY COMPLIANCE CERTIFICATE
T4.0	LIFE SAFETY PLAN
ARCHITECTURAL	
A1.0	FLOOR PLAN, NOTES & SCHEDULES
A1.1	ROOF PLAN, LIGHT POLE BASE DETAIL
A1.2	REFLECTED CEILING PLAN
A1.3	ENLARGED PLANS
A1.4	INTERIOR ELEVATIONS
A1.5	OFFICE DETAILS
A2.0	ELEVATIONS
A2.1	EIFS DETAILS
A3.0	STOREFRONT ELEVATIONS & DETAILS
A3.1	BUILDING SECTION & DETAILS
A4.0	WALL SECTIONS
A4.1	WALL SECTIONS
A5.0	SECTION DETAILS
A6.0	CANOPY DETAILS
A7.0	HVAC ENCLOSURE DETAILS
STRUCTURAL	
S-1	FOUNDATION PLAN
S-2	GENERAL NOTES & DETAILS
PLUMBING	
P-1V	PLUMBING COVER SHEET
P-2V	PLUMBING PLANS & DETAILS
MECHANICAL	
M-1V	MECHANICAL COVER SHEET
M-2V	MECHANICAL PLAN
ELECTRICAL	
E-1V	ELECTRICAL COVER SHEET
E-2V	ELECTRICAL POWER PLAN & DETAILS
E-3V	ELECTRICAL LIGHTING PLAN & DETAILS
ES-1	ELECTRICAL SITE LIGHTING PLAN



VANILLA BOX SCOPE OF WORK:  
SCOPE OF WORK FOR THIS VANILLA BOX PROJECT IS TO PROVIDE A WARM VANILLA BOX SHELL READY FOR TENANT FINISHES, STORE FIXTURES, SIGNAGE, CANOPY, FIRE EXTINGUISHERS, ETC.

**CONSTRUCTION CAMERAS**  
ALL PROJECTS: (BTS & FEE DEVELOPMENT) ARE REQUIRED TO HAVE A JOBSITE MONITORING SYSTEM WITH NECESSARY POWER FOR THE DURATION OF THE CONSTRUCTION, INCLUDING ANY SITE WORK.  
  
CONTACT:  
OXBLUE CORPORATION  
ATTN: JP SCHAAF  
1777 ELLSWORTH INDUSTRIAL BLVD NW  
ATLANTA, GA 30318  
888-849-2582-TOLL FREE  
404-917-0200  
familydollar@oxblue.com  
ALLOW 4 WEEKS FOR ORDERING & DELIVERY OF CAMERAS

**NATIONAL VENDORS**

<b>HVAC UNITS:</b>	CARRIER	315-432-7942	DEBBIE JOBIN	EMAIL: DEBBIE.JOBIN@CARRIER.COM
	YORK	405-419-6498	WILLIAM PRATER	EMAIL: WILLIAM.ALBERT.PRATER@JCI.COM
<b>DOORS AND HARDWARE:</b>	COOK & BOARDMAN	757-532-9872	JILL FLORIO	EMAIL: JFLORIO@COOKANDBOARDMAN.COM
<b>LIGHTS / ELECTRICAL EQUIPMENT</b> INTERIOR / EXTERIOR LIGHTS, EXIT SIGNS, EM LIGHTS, SWITCHGEAR, ELECTRICAL PANELS	NATIONAL ENERGY & LIGHT, INC.	603-718-1639	ALYSSA LANIGAN	EMAIL: ALANIGAN@NELCOMPANY.COM
<b>PLUMBING FIXTURES</b> TOILETS, LAVATORIES, MOP SINK, WATER FOUNTAIN, WATER HEATER, STOPS, DRAINS, ACCESSORIES	HAINES, JONES & CADBURY	800-459-7099	BARRY BRYANT	EMAIL: BARRY.BRYANT@HJCIN.COM
<b>FIRE MONITORING</b>	ADT	509-310-3643	TED BROOKS	EMAIL: TBROOKS@ADT.COM
<b>METAL BUILDING</b>	WHIRLWIND STEEL	443-309-4068	MIKE BETZ	EMAIL: MIKE.BETZ@WHIRLWINDSTEEL.COM
<b>CONSTRUCTION CAMERAS</b>	OXBLUE CORPORATION	404-554-1461	JP SCHAAF	EMAIL: JPSCHAAF@OXBLUE.COM
<b>SITE LIGHTING CALCULATIONS</b>	NATIONAL ENERGY & LIGHT, INC.	603-718-1639	ALYSSA LANIGAN	EMAIL: ALANIGAN@NELCOMPANY.COM

**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 plans sheet 1 or 2.)**

Name of Project: Family Dollar - Vanilla Bites  
 Address: HWY 168, Currituck, NC Zip Code: 27929  
 Owner/Authorized Agent: Salden Taylor Phone # ( 252 ) 975-5855 E-Mail: staylor@stockcityfor.com  
 Owned By:  City/County  Private  State  
 Code Enforcement Jurisdiction:  City  County  State

**CONTACT:** James Zink, C.L. Helt, Architect Inc.  
 DESIGNER: FIRM NAME LICENSE # TELEPHONE # E-MAIL  
 Architectural: C.L. Helt, Architect, Inc. Tim Johnston 11091 (208)42-1686 jimj@clhelt.com  
 Civil: \_\_\_\_\_  
 Electrical: Corbett Engineering Corbett, Thomson 27607 (704)877-5752 corbett@corbetteengineering.com  
 Fire Alarm: \_\_\_\_\_  
 Plumbing: Corbett Engineering Corbett, Thomson 27607 (704)877-5752 corbett@corbetteengineering.com  
 Mechanical: Corbett Engineering Corbett, Thomson 27607 (704)877-5752 corbett@corbetteengineering.com  
 Sprinkler/Standpipe: \_\_\_\_\_  
 Structural: Todd Bion Todd Bion 303009 (204)578-7213 tbion@bion-engineers.com  
 Retaining Walls >5' High: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 (\*Other\* should include firms and individuals such as, transit, present, pre-engineered, interior designers, etc.)

**2018 NC BUILDING CODE:**  New Building  Addition  Renovation  
 1<sup>st</sup> Time Interior Completion  
 Shell/Con: Contact the local inspection jurisdiction for possible additional procedures and requirements  
 Phased Construction - Shell/Con: Contact the local inspection jurisdiction for possible additional procedures and requirements

**2018 NC EXISTING BUILDING CODE:**  Prescriptive  Repair  Chapter 14 Alteration:  Level I  Level II  Level III  
 Historic Property  Change of Use

**CONSTRUCTED:** (date) N/A **CURRENT OCCUPANCY(S)** (Ch. 3): N/A  
**RENOVATED:** (date) N/A **PROPOSED OCCUPANCY(S)** (Ch. 3): Merchandise  
**RISK CATEGORY** (Table 1604.5): **Current:**  I  II  III  IV **Proposed:**  I  II  III  IV

**BASIC BUILDING DATA**  
 Construction Type:  I-A  II-A  III-A  IV  V-A  
 I-B  II-B  III-B  V-B  
 Sprinklers:  No  Partial  Yes  NFPA 13  NFPA 13R  NFPA 13D  
 Standpipes:  No  Yes Class  I  II  III  Wet  Dry  
 Fire District:  No  Yes **Flood Hazard Area:**  No  Yes  
**Special Inspections Required:**  No  Yes (Contact the local inspection jurisdiction for additional procedures and requirements)

2018 NC Administrative Code and Policies Revised 6/15/2020

**PERCENTAGE OF WALL OPENING CALCULATIONS**

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENING PROTECTION (Table 506.3)	ALLOWABLE AREA (%)	ACTUAL SHOW-ON-PLANS (%)
N, S, E walls > 30'	Unprotected, Nonspitkilled	No Limit	14.2%
West Wall 15'	Unprotected, Nonspitkilled	25%	1%

**LIFE SAFETY SYSTEM REQUIREMENTS**  
 Emergency Lighting:  No  Yes  
 Exit Signs:  No  Yes  
 Fire Alarm:  No  Yes  
 Smoke Detection Systems:  No  Yes  Partial  Duct detector  
 Carbon Monoxide Detection:  No  Yes

**LIFE SAFETY PLAN REQUIREMENTS**  
 Life Safety Plan Sheet #: T3.0  
 Fire and/or smoke rated wall locations (Chapter 7)  
 Assumed and real property line locations (if not on the site plan)  
 Exterior wall opening area with respect to distance to assumed property lines (706.8)  
 Occupancy Use for each area as it relates to occupant load calculation (1004.1.2)  
 Occupant loads for each area  
 Exit sign locations (1013)  
 Exit access travel distances (1017)  
 Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))  
 Dead end lengths (1020.4)  
 Clear exit widths for each exit door  
 Maximum calculated occupant load capacity each exit door 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  
 Location of doors with panic hardware (1010.1.10)  
 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)  
 Location of doors equipped with hold-open devices  
 Location of emergency escape windows (1030)  
 The square footage of each fire area (202)  
 The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)  
 Note any code exceptions or table notes that may have been utilized regarding the items above

2018 NC Administrative Code and Policies Revised 6/15/2020

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
STRUCTURAL DESIGN  
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)**

**DESIGN LOADS:**  
**Importance Factors:** Snow (Is) 1.0 Seismic (Is) 1.0  
**Live Loads:** Roof 20 psf Mezzanine N/A psf Floor 100 psf  
**Ground Snow Load:** 10 psf  
**Wind Load:** Ultimate Wind Speed 130 mph (ASCE-7) Exposure Category C

**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:**  $S_s$  0.088  $S_1$  0.047 %  
**Site Classification** (ASCE 7)  A  B  C  D  E  F  
**Data Source:**  Field Test  Presumptive  Historical Data  
**Basic structural system:**  Bearing Wall  Dual w/Special Moment Frame  Building Frame  Dual w/Intermediate RC or Special Steel  Moment Frame  Inverted Pendulum  
**Analysis Procedure:**  Simplified  Equivalent Lateral Force  Dynamic  
**Architectural, Mechanical, Components anchored?**  Yes  No

**LATERAL DESIGN CONTROLS:** Earthquake  Wind   
**SOIL BEARING CAPACITIES:** Field Test (provide copy of test report) \_\_\_\_\_ psf  
 Presumptive Bearing capacity 1500 psf  
 Pile size, type, and capacity \_\_\_\_\_

2018 NC Administrative Code and Policies Revised 6/15/2020

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
MECHANICAL DESIGN  
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)**

**MECHANICAL SUMMARY**

**MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT**

**Thermal Zone**  
 winter dry bulb: \_\_\_\_\_  
 summer dry bulb: \_\_\_\_\_  
 winter design conditions:  
 winter dry bulb: \_\_\_\_\_  
 summer dry bulb: \_\_\_\_\_  
 relative humidity: \_\_\_\_\_  
 building heating load: \_\_\_\_\_  
 building cooling load: \_\_\_\_\_

**Mechanical Space Conditioning System**  
 Unitary description of unit: \_\_\_\_\_  
 heating efficiency: \_\_\_\_\_  
 cooling efficiency: \_\_\_\_\_  
 size category of unit: \_\_\_\_\_  
 Boiler size category. If oversized, state reason: \_\_\_\_\_  
 Chiller size category. If oversized, state reason: \_\_\_\_\_

**List equipment efficiencies:** \_\_\_\_\_

2018 NC Administrative Code and Policies Revised 6/15/2020

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
ELECTRICAL DESIGN  
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)**

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
ELECTRICAL DESIGN  
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)**

**ELECTRICAL SUMMARY**

**ELECTRICAL SYSTEM AND EQUIPMENT**

**Method of Compliance:** Energy Code  Performance  Prescriptive ASHRAE 90.1  Performance  Prescriptive (If "Other" specify source here).  ASHRAE 90.1 Table A2.3.3

**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 Efficiency Package Options**  
 (When using the 2018 NCCEC, not required for ASHRAE 90.1)  
 C406.2 More Efficient HVAC Equipment Performance  
 C406.3 Reduced Lighting Power Density  
 C406.4 Enhanced Digital Lighting Controls  
 C406.5 On-Site Renewable Energy  
 C406.6 Dedicated Outdoor Air System  
 C406.7 Reduced Energy Use in Service Water Heating

2018 NC Administrative Code and Policies Revised 6/15/2020

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
FIRE PROTECTION REQUIREMENTS**

**FIRE PROTECTION REQUIREMENTS**

BUILDING ELEMENT	FIRE SEPARATION (FEET)	ROOF	RISING PROVIDED (%)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	0	0					
Roofing	0	0					
Exterior Walls	0	0					
North	>30'	0	0				
East	>30'	0	0				
West	15'	0	0				
South	>30'	0	0				
Interior	0	0					
Nonbearing Walls and Partitions	0	0					
Exterior walls	0	0					
North	>30'	0	0				
East	>30'	0	0				
West	15'	0	0				
South	>30'	0	0				
Interior walls and partitions	0	0					
Four Construction	0	0					
Including supporting beams and joists	0	0					
Four Ceiling Assembly	0	0					
Columns Supporting Floors	0	0					
Roof Construction, including supporting beams and joists	0	0					
Roof Ceiling Assembly	0	0					
Columns Supporting Roof	0	0					
Shed Enclosures - Exit	0	0					
Shed Enclosures - Other	0	0					
Corridor Separation	0	0					
Emergency Exit Enclosure Separation	0	0					
Perimeter Wall Separation	0	0					
Smoke Barrier Separation	0	0					
Smoke Partition	0	0					
Tenant Dwellling Unit/ Sleeping Unit Separation	0	0					
Incidental Use Separation	0	0					

**ALLOWABLE HEIGHT**

BUILDING HEIGHT IN FEET (Table 504.3) <sup>1</sup>	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE <sup>2</sup>
0	0	0	25'-0"
Building Height in Stories (Table 504.4) <sup>3</sup>	2	1	

<sup>1</sup> Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.  
<sup>2</sup> The maximum height of air traffic control towers must comply with Table 412.3.1.  
<sup>3</sup> The maximum height of open parking garages must comply with Table 406.5.4.

**ALLOWABLE AREA**

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3 <sup>rd</sup> Floor			
2 <sup>nd</sup> Floor			
Mezzanine			
1 <sup>st</sup> Floor		10532	10532
Basement			
TOTAL		10532	10532

**ALLOWABLE AREA**  
 Assembly  A-1  A-2  A-3  A-4  A-5  
 Business   
 Educational   
 Factory  F-1 Moderate  F-2 Low  
 Hazardous  H-1 Moderate  H-2 High/Low  H-3 Combust  H-4 Health  H-5 HPM  
 Institutional  I-1 Condition  I-2  I-3  I-4  I-5  
 I-2 Condition  I-1  I-2  I-3  I-4  I-5  
 I-4 Condition  I-1  I-2  I-3  I-4  I-5  
 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 and Miscellaneous

**Accessory Occupancy Classification(s):** \_\_\_\_\_  
**Incidental Use** (Table 509): \_\_\_\_\_  
**Special Uses** (Chapter 4 - List Code Section): \_\_\_\_\_  
**Special Provisions** (Chapter 5 - List Code Section): \_\_\_\_\_  
**Mixed Occupancy:**  No  Yes Separation: 0 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, as 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.  

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$+ \dots = \dots \leq 1.00$$

**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 and annual energy cost for the proposed design.  
**Existing building envelope complies with code:**  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).  ASHRAE 90.1 Table A2.3.3  
**THERMAL ENVELOPE** (Prescriptive method only)  
**Roof/Ceiling Assembly** (each assembly)  
 Description of assembly: Metal Building Roof with Linear System  
 U-Value of total assembly: 0.032 per 2016 ASHRAE 90.1 Table A2.3.3  
 R-Value of insulation: R-19.2 R-11 Linear System  
 Skylights in each assembly: N/A  
 U-Value of skylight: N/A  
 total square footage of skylights in each assembly: N/A  
**Exterior Walls** (each assembly)  
 Description of assembly: Metal Building Wall  
 U-Value of total assembly: 0.052 per 2016 ASHRAE 90.1 Table A3.2.3  
 R-Value of insulation: R-25 Single layer in Cavity  
 Openings (windows or doors with glazing)  
 U-Value of assembly: 0.5  
 Solar heat gain coefficient: 0.7  
 projection factor: 0.3  
 Door R-Values: 0.5  
**Walls below grade** (each assembly)  
 Description of assembly: \_\_\_\_\_  
 U-Value of total assembly: N/A  
 R-Value of insulation: \_\_\_\_\_  
**Floors over unconditioned space** (each assembly)  
 Description of assembly: \_\_\_\_\_  
 U-Value of total assembly: N/A  
 R-Value of insulation: \_\_\_\_\_  
**Floors slab on grade**  
 Description of assembly: Concrete Slab on Grade  
 U-Value of total assembly: 0.170  
 R-Value of insulation: 25  
 Horizontal-vertical requirement: N/A  
 slab head: No

2018 NC Administrative Code and Policies Revised 6/15/2020

2018 NC Administrative Code and Policies Revised 6/15/2020

**ENERGY SUMMARY**  
 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 and annual energy cost for the proposed design.  
**Existing building envelope complies with code:**  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).  ASHRAE 90.1 Table A2.3.3  
**THERMAL ENVELOPE** (Prescriptive method only)  
**Roof/Ceiling Assembly** (each assembly)  
 Description of assembly: Metal Building Roof with Linear System  
 U-Value of total assembly: 0.032 per 2016 ASHRAE 90.1 Table A2.3.3  
 R-Value of insulation: R-19.2 R-11 Linear System  
 Skylights in each assembly: N/A  
 U-Value of skylight: N/A  
 total square footage of skylights in each assembly: N/A  
**Exterior Walls** (each assembly)  
 Description of assembly: Metal Building Wall  
 U-Value of total assembly: 0.052 per 2016 ASHRAE 90.1 Table A3.2.3  
 R-Value of insulation: R-25 Single layer in Cavity  
 Openings (windows or doors with glazing)  
 U-Value of assembly: 0.5  
 Solar heat gain coefficient: 0.7  
 projection factor: 0.3  
 Door R-Values: 0.5  
**Walls below grade** (each assembly)  
 Description of assembly: \_\_\_\_\_  
 U-Value of total assembly: N/A  
 R-Value of insulation: \_\_\_\_\_  
**Floors over unconditioned space** (each assembly)  
 Description of assembly: \_\_\_\_\_  
 U-Value of total assembly: N/A  
 R-Value of insulation: \_\_\_\_\_  
**Floors slab on grade**  
 Description of assembly: Concrete Slab on Grade  
 U-Value of total assembly: 0.170  
 R-Value of insulation: 25  
 Horizontal-vertical requirement: N/A  
 slab head: No

2018 NC Administrative Code and Policies Revised 6/15/2020

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
ELECTRICAL DESIGN  
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)**

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
ELECTRICAL DESIGN  
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)**

**ELECTRICAL SUMMARY**

**ELECTRICAL SYSTEM AND EQUIPMENT**

**Method of Compliance:** Energy Code  Performance  Prescriptive ASHRAE 90.1  Performance  Prescriptive (If "Other" specify source here).  ASHRAE 90.1 Table A2.3.3

**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 Efficiency Package Options**  
 (When using the 2018 NCCEC, not required for ASHRAE 90.1)  
 C406.2 More Efficient HVAC Equipment Performance  
 C406.3 Reduced Lighting Power Density  
 C406.4 Enhanced Digital Lighting Controls  
 C406.5 On-Site Renewable Energy  
 C406.6 Dedicated Outdoor Air System  
 C406.7 Reduced Energy Use in Service Water Heating

2018 NC Administrative Code and Policies Revised 6/15/2020

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
ELECTRICAL DESIGN  
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)**

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  
ELECTRICAL DESIGN  
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)**

**ELECTRICAL SUMMARY**

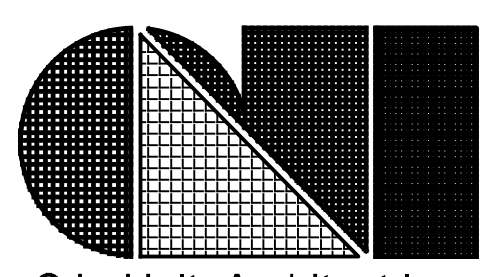
**ELECTRICAL SYSTEM AND EQUIPMENT**

**Method of Compliance:** Energy Code  Performance  Prescriptive ASHRAE 90.1  Performance  Prescriptive (If "Other" specify source here).  ASHRAE 90.1 Table A2.3.3

**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 Efficiency Package Options**  
 (When using the 2018 NCCEC, not required for ASHRAE 90.1)  
 C406.2 More Efficient HVAC Equipment Performance  
 C406.3 Reduced Lighting Power Density  
 C406.4 Enhanced Digital Lighting Controls  
 C406.5 On-Site Renewable Energy  
 C406.6 Dedicated Outdoor Air System  
 C406.7 Reduced Energy Use in Service Water Heating

2018 NC Administrative Code and Policies Revised 6/15/2020



**C.L. Helt, Architect Inc.**  
 6405 WILKINSON BLVD  
 SUITE 100  
 BELMONT, NC 28012  
 Ph. 704-342-1686  
 Fx. 704-343-0054  
 EMAIL: INFO@CLHELTT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
 FOR  
**STOCKS & TAYLOR CONSTRUCTION INC.**  
 HWY 168  
**CURRITUCK, NC**  
 2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**APPENDIX 'B'**  
**CODE SUMMARY**

Seal  
 05/03/22

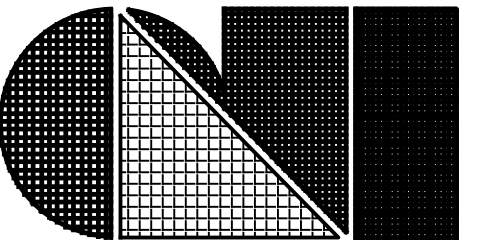
THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON, ARCHITECT

Drawn By :  
**J. ZINK**  
 Checked By :  
**D. MYERS**

Revisions :  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Date :  
 05/03/22

Sheet No.

**T2.0**



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

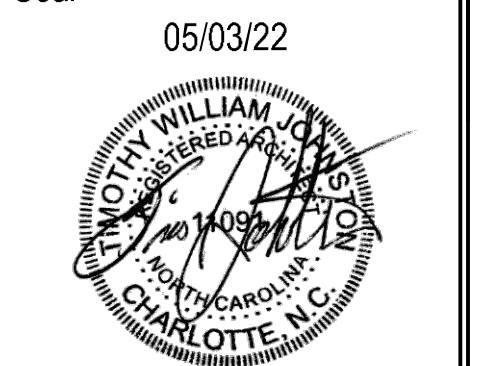
Ph. 704-342-1686  
Fx. 704-343-0554  
EMAIL: INFO@CLHELTCOM

ARCHITECT'S PROJECT # 21112

Project : **FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 RURAL-VB PROTOTYPE

Sheet Description : **COMCHECK ENERGY COMPLIANCE CERTIFICATE**

Seal



THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

Drawn By :  
**J. ZINK**

Checked By :  
**D. MYERS**

Revisions :

Date :  
**05/03/22**

Sheet No.

**T3.0**

### COMcheck Software Version 4.1.5.4 Envelope Compliance Certificate

**Project Information**  
Energy Code: 2015 IECC  
Project Title: Family Dollar  
Location: Elizabeth City, North Carolina  
Climate Zone: 3a  
Project Type: New Construction  
Version: Ceiling / Wall Area: 4%

Construction Site: 5th 168  
Curtis, NC 27929  
Owner/Agent: Washington, NC  
Designer/Contractor: C.L. Helt, Architect Inc.  
6405 Wilkinson Blvd.  
Suite 100  
Belmont, NC 28012  
704.342.1686  
jamesc@clhelt.com

**Additional Efficiency Package(s)**

Credits: 1.0 Required 1.0 Proposed  
Reduced Lighting Power: 1.0 credit

Building Area	Floor Area
1-Retail: Nonresidential	10532

Envelope Assemblies	Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Floor 1: Slab-On-Grade Unheated (Bldg. Use 1 - Retail) (f)		411	—	—	0.730	0.730
Roof 1: Metal Building, Standing Seam, High Above-Roof Required, Linear System with Thermal Break (h), 3-Year-Aged Solar Reflectance Index >= 75.00 (f) (Bldg. Use 1 - Retail)		1952	30.0	0.0	0.037	0.035
NORTH						
Exterior Wall 1: Other Metal Building Wall (Bldg. Use 1 - Retail) (b)		1677	—	—	0.059	0.079
Window 1: Metal Frame with Thermal Break Fixed Pwf Spec. Product ID pending, SHGC 0.37, PF 0.30 (Bldg. Use 1 - Retail) (c)		281	—	—	0.500	0.480
Door 1: Glass in 50% paaned Metal Frame, Entrance Door, Door, Spec. Product ID pending, SHGC 0.37, PF 0.30 (Bldg. Use 1 - Retail) (e)		42	—	—	0.500	0.770
EAST						
Exterior Wall 4: Other Metal Building Wall (Bldg. Use 1 - Retail) (b)		1954	—	—	0.059	0.079
Door 4: Uninsulated Double-Layer Metal, Swing, (Bldg. Use 1 - Retail)		42	—	—	1.200	0.810
SOUTH						
Exterior Wall 3: Other Metal Building Wall (Bldg. Use 1 - Retail) (b)		1480	—	—	0.059	0.079
WEST						
Exterior Wall 2: Other Metal Building Wall (Bldg. Use 1 - Retail) (b)		1954	—	—	0.059	0.079
Door 4: Uninsulated Double-Layer Metal, Swing, (Bldg. Use 1 - Retail)		21	—	—	1.200	0.810

Project Title: Family Dollar  
Data filename: C:\1-A-projects general, FAMILY DOLLAR\FD-NC-Curtis\NC Hwy 168) Stocks & Taylor 21112\Comcheck\Comcheck - curtis.cck  
Report date: 02/07/22  
Page: 1 of 10

Section # & Req. ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 (FR12)	Fenestration products rated in accordance with IRC.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C303.1.3 (FR13)	Fenestration products are certified as to performance labels or certificates provided.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.4.3 (FR10)	Vertical fenestration SHGC value.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.4.3 (FR8)	Vertical fenestration U-Factor.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.4.4 (FR14)	U-factor of opaque doors associated with the building thermal envelope meets requirements.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.5.1 (FR10)	The building envelope contains a continuous air barrier that is sealed in an approved manner and either conditioned or tested in an approved manner. Air barrier penetrations are sealed in an approved manner.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.5.2 (FR16)	Factory-built fenestration and doors are labeled as meeting air leakage requirements.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.5.7 (FR17)	Vestibules are installed on all building entrances. Doors have self-closing devices.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Doors with air curtain.

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Family Dollar  
Data filename: C:\1-A-projects general, FAMILY DOLLAR\FD-NC-Curtis\NC Hwy 168) Stocks & Taylor 21112\Comcheck\Comcheck - curtis.cck  
Report date: 02/07/22  
Page: 3 of 10

Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C402.5.3 (FR2)	Where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening are located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms are sealed and insulated.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C402.5.4 (FR37)	Weatherstrials installed on all loading dock cargo doors.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C402.5.8 (FR2)	Recessed luminaires in thermal envelope to limit infiltration and be rated and labeled. Seal between interior finish and luminaire housing.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Family Dollar  
Data filename: C:\1-A-projects general, FAMILY DOLLAR\FD-NC-Curtis\NC Hwy 168) Stocks & Taylor 21112\Comcheck\Comcheck - curtis.cck  
Report date: 02/07/22  
Page: 8 of 10

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.  
(c) Other components require supporting documentation for proposed U-factors.  
(d) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.  
(e) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.  
(f) Thermal spacer blocks with minimum R-3.5 must be installed above the putlins, and the roof deck sealed to the putlins.  
(g) High albedo roof requirement options: 1) 3-year aged solar reflectance >= 0.75, 2) 3-year aged solar reflectance index >= 64.0, 3) 10-year aged solar reflectance >= 0.75, 4) 10-year aged solar reflectance index >= 62.0.

### Envelope PASSES: Design 0% better than code

**Envelope Compliance Statement**  
Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2015 IECC requirements in COMcheck version 4.1.5.4 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.  
Timothy Johnston - Principal  
Name: Title: Signature: Date: 02/07/22

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (FR1)	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.1.1 (FR10)	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.1.1 (FR11)	The skylight area <= 3 percent of the gross roof area.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.4.2 (FR14)	In enclosed spaces > 2,500 ft <sup>2</sup> directly under a roof with ceiling heights > 15 ft, and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/aerobics center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution area, transportation, or workshop, the following requirements apply: (a) the skylight area under skylights <= half the floor area; (b) the skylight area to skylight ratio <= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 3 percent.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C406 (FR2)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Family Dollar  
Data filename: C:\1-A-projects general, FAMILY DOLLAR\FD-NC-Curtis\NC Hwy 168) Stocks & Taylor 21112\Comcheck\Comcheck - curtis.cck  
Report date: 02/07/22  
Page: 2 of 10

Section # & Req. ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.5.3 (FR2)	Stair and elevator shaft vents have motorized dampers that automatically close.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Family Dollar  
Data filename: C:\1-A-projects general, FAMILY DOLLAR\FD-NC-Curtis\NC Hwy 168) Stocks & Taylor 21112\Comcheck\Comcheck - curtis.cck  
Report date: 02/07/22  
Page: 6 of 10

Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C402.5.3 (FR2)	Where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening are located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms are sealed and insulated.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C402.5.4 (FR37)	Weatherstrials installed on all loading dock cargo doors.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C402.5.8 (FR2)	Recessed luminaires in thermal envelope to limit infiltration and be rated and labeled. Seal between interior finish and luminaire housing.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Family Dollar  
Data filename: C:\1-A-projects general, FAMILY DOLLAR\FD-NC-Curtis\NC Hwy 168) Stocks & Taylor 21112\Comcheck\Comcheck - curtis.cck  
Report date: 02/07/22  
Page: 9 of 10

### COMcheck Software Version 4.1.5.4 Inspection Checklist

Requirements: 64.0% were addressed directly in the COMcheck software  
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (FR1)	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.1.1 (FR10)	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.1.1 (FR11)	The skylight area <= 3 percent of the gross roof area.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.4.2 (FR14)	In enclosed spaces > 2,500 ft <sup>2</sup> directly under a roof with ceiling heights > 15 ft, and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/aerobics center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution area, transportation, or workshop, the following requirements apply: (a) the skylight area under skylights <= half the floor area; (b) the skylight area to skylight ratio <= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 3 percent.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C406 (FR2)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Family Dollar  
Data filename: C:\1-A-projects general, FAMILY DOLLAR\FD-NC-Curtis\NC Hwy 168) Stocks & Taylor 21112\Comcheck\Comcheck - curtis.cck  
Report date: 02/07/22  
Page: 3 of 10

Section # & Req. ID	Insulation Inspection	Complies?	Comments/Assumptions
C303.1.3 (FR12)	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <= 12.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C303.1.3 (FR13)	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C303.2 (FR17)	Above-grade wall insulation installed per manufacturer's instructions.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C303.2.1 (FR14)	Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.2.1 (FR17)	Insulation intended to meet the roof insulation requirements cannot be located on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C104 (FR6)	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C104 (FR8)	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.2.6 (FR18)	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C402.3 (FR3)	High-albedo roofs satisfy one of the following: 3-year aged solar reflectance >= 0.75 or 3-year aged solar reflectance index >= 64.0.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C104 (FR2)	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.5.1 (FR1)	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Family Dollar  
Data filename: C:\1-A-projects general, FAMILY DOLLAR\FD-NC-Curtis\NC Hwy 168) Stocks & Taylor 21112\Comcheck\Comcheck - curtis.cck  
Report date: 02/07/22  
Page: 7 of 10

Section # & Req. ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2 (FR4)	Slab edge insulation installed per manufacturer's instructions.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C303.2.1 (FR6)	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment, maintenance activities.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C104 (FR1)	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.2.6 (FR12)	Radiant heating systems panels insulated to >= R-3.5 on face opposite space being heated.	<input type="checkbox"/> Complies <input checked="" type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. See the Envelope Assemblies table for values.

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Family Dollar  
Data filename: C:\1-A-projects general, FAMILY DOLLAR\FD-NC-Curtis\NC Hwy 168) Stocks & Taylor 21112\Comcheck\Comcheck - curtis.cck  
Report date: 02/07/22  
Page: 4 of 10

ASHRAE 90.1-2016 (I-P)  
Normative Appendix A  
Table A3.2.3 Assembly U-Factors for Metal Building Walls

Insulation System	Rated R-Value of Insulation	Overall U-Factor for Base Wall Assembly	Overall U-Factor for Assembly of Base Wall Plus Continuous Insulation (Uninterrupted by Framing)									
			R-5.0	R-5.9	R-12	R-15.0	R-19	R-22.0	R-25	R-30	R-36	
Continuous insulation only	R-0	1.980	0.136	0.084	0.072	0.060	0.050	0.044	0.039	0.030	0.026	
Single compressed layer	R-10	0.186	0.064	0.066	0.054	0.047	0.041	0.036	0.033	0.027	0.023	
	R-11	0.185	0.064	0.066	0.054	0.047	0.041	0.036	0.033	0.027	0.023	
	R-13	0.182	0.079	0.063	0.052	0.048	0.040	0.035	0.032	0.026	0.023	
	R-16	0.155	0.077	0.062	0.051	0.045	0.039	0.035	0.032	0.026	0.022	
	R-19	0.142	0.075	0.060	0.050	0.044	0.039	0.035	0.031	0.026	0.022	
Single layer in cavity	R-5 <sup>a</sup>	0.059	0.044	0.039	0.035	0.032	0.029	0.027	0.025	0.021	0.019	
	R-5 <sup>b</sup>	0.062	0.042	0.037	0.033	0.031	0.028	0.026	0.024	0.021	0.019	
Double layer	R-25 = R-10 + 0.47	0.047										
	R-25 = R-16 + 0.42	0.042										
	R-25 = R-10 <sup>c</sup> + 0.039	0.039										
	R-30 = R-16 + 0.039	0.039										

<sup>a</sup> A minimum R-20 thermal spacer block or thermal break strip is required when installed without continuous insulation.  
<sup>b</sup> A minimum R-25 thermal spacer block or thermal break strip is required when installed without continuous insulation.  
<sup>c</sup> A minimum R-3 thermal spacer block is required.



208 ANSHASHRAE/IES Standard 90.1-2016 (I-P)

### INSULATION SYSTEM NOTE

ALL CUTS MADE IN THE INSULATION SYSTEM IN ORDER TO MAKE ATTACHMENTS TO THE BUILDING STRUCTURE OR FOR ANY OTHER REASON, SHALL BE OF THE MINIMUM SIZE REQUIRED TO PERFORM THE WORK NEEDED AND SHALL BE SEALED IN ACCORDANCE WITH THE MANUFACTURER REQUIREMENTS TO MAINTAIN A SEALED AIR BARRIER AND VAPOR BARRIER SYSTEM.

ALL SOURCES OF AIR LEAKAGE IN THE BUILDING THERMAL ENVELOPE (VERTICAL AND HORIZONTAL) SHALL BE SEALED IN COMPLIANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS IN ORDER TO COMPLY WITH ENERGY CODE SEALED AIR BARRIER REQUIREMENTS.

### INSULATION NOTES:

CLIMATE ZONE: 3A

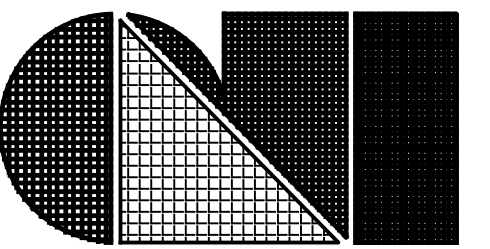
THE FOLLOWING ARE MINIMUM STANDARDS FOR INSULATION:  
ALL EXPOSED INSULATION SHALL HAVE A MAX. 25 FLAME SPREAD. PAPER FACED IS NOT PERMITTED.

### PEMB ROOF INSULATION

GC TO PROVIDE A PEMB LNER INSULATION SYSTEM (R-30 MIN). SYSTEM REQUIREMENTS ARE TO BE R-19 CAVITY INSULATION + R-11 INSTALLED PERPENDICULAR TO PURLINS WITH R-5 THERMAL BLOCKS PROVIDED AT EACH PURLIN. GC TO FOLLOW ALL MANUFACTURERS INSTALLATION INSTRUCTIONS. ALL SEAMS SHALL BE SEALED PER MANUFACTURERS REQUIREMENTS TO MAINTAIN VAPOR AND AIR BARRIER OF THE COMPLETE INSULATION SYSTEM.

### PEMB WALL INSULATION

WALL ASSEMBLY HAVING A MIN U FACTOR OF .059 IS REQUIRED. U FACTOR IS ESTABLISHED USING ASHRAE VALUES PROVIDED IN TABLE A3.2.3 USING R-25 SINGLE LAYER CAVITY FILL SYSTEM WITH NON COMPRESSED INSULATION.  
GC TO PROVIDE PEMB SINGLE LAYER IN CAVITY NON COMPRESSED R-25 INSULATION SYSTEM AND INSTALL PER MANUFACTURERS REQUIREMENTS. PROVIDE TABS ON INTERIOR SURFACE OF METAL PANEL TO PREVENT INSULATION SAGGING. PROVIDE THERMAL BREAK 5/8" MIN. R-0.375 AT EACH GIRT, BETWEEN GIRT AND PANEL. PROVIDE INTERIOR VAPOR BARRIER WITH MIN. 6" OVERLAP TO MAINTAIN VAPOR AND AIR BARRIER OF THE COMPLETE INSULATION SYSTEM.



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

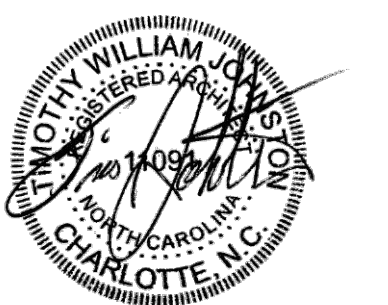
ARCHITECT'S PROJECT # 21112

**Project :**  
FAMILY DOLLAR  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
LIFE SAFETY  
PLAN

Seal

05/03/22



THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND OR TIMOTHY JOHNSTON ARCHITECT

Drawn By :

J. ZINK

Checked By :

D. MYERS

Revisions :

Date :

05/03/22

Sheet No.

**T4.0**

**KNOX BOX NOTE:**  
IF A KNOX BOX ENTRY SYSTEM IS REQUIRED BY THE CODES GOVERNING THE CONSTRUCTION OF THE PROJECT, PROVIDE A RECESSED KNOX BOX BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE PROJECT. LOCATE PER LOCAL CODE REQUIREMENTS. KNOX BOX CONTACT - 866-625-4563

**STORE FIXTURING NOTE:**  
STORE FIXTURES (SHELVING, GONDOLA, RACKS, ETC) ARE NOT IN THE SCOPE OF WORK FOR THIS VANILLA BOX / SHELL PERMIT. STORE FIXTURES TO BE PROVIDED BY TENANT UNDER A SEPARATE PERMIT WITH A COORDINATING LIFE SAFETY PLAN.

**FIRE EXTINGUISHER NOTE:**  
MINIMUM OF (4) 2A-10BC FIRE EXTINGUISHERS TO BE PROVIDED BY TENANT PER THE LOCAL FIRE MARSHAL'S DIRECTION.

SALES SUPPORT DOOR #402  
EXIT WIDTH = 34" (ACTIVE LEAF)  
ACTUAL TRAVEL DISTANCE = 72'-6"  
(MAX. TRAVEL DISTANCE SINGLE EXIT = 75'-0")  
MAX. OCCUPANT LOAD CAPACITY = 170  
ACTUAL OCCUPANT LOAD = 4  
PANIC HARDWARE  
(SEE HARDWARE NOTES SHEET A1.0)

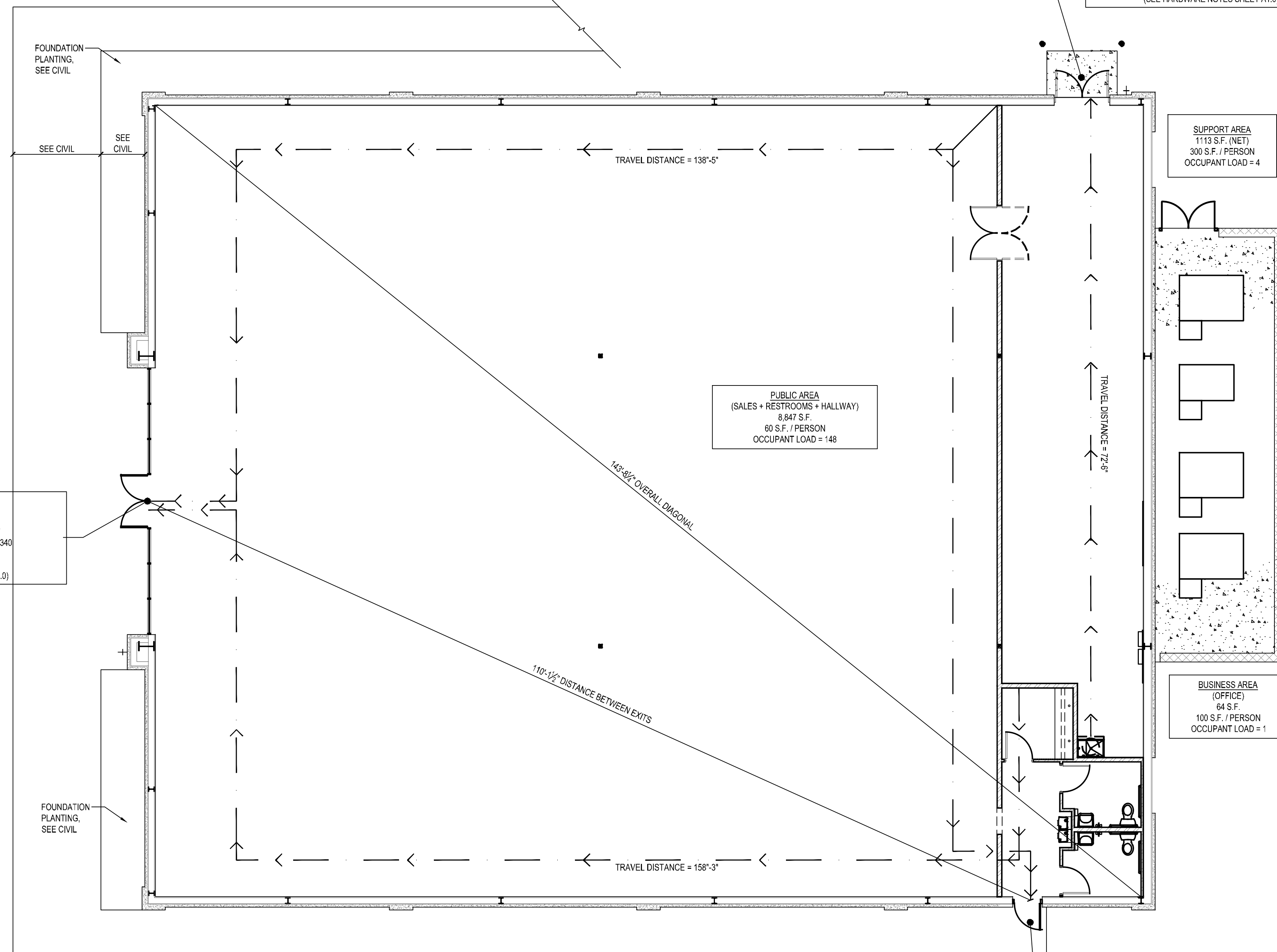
SUPPORT AREA  
1113 S.F. (NET)  
300 S.F. / PERSON  
OCCUPANT LOAD = 4

PUBLIC AREA  
(SALES + RESTROOMS + HALLWAY)  
8,847 S.F.  
60 S.F. / PERSON  
OCCUPANT LOAD = 148

BUSINESS AREA  
(OFFICE)  
64 S.F.  
100 S.F. / PERSON  
OCCUPANT LOAD = 1

EMERGENCY EXIT DOOR #401  
EXIT WIDTH = 34"  
MAX TRAVEL DISTANCE = 158'-3"  
MAX. OCCUPANT LOAD CAPACITY = 170  
ACTUAL OCCUPANT LOAD = 75  
PANIC HARDWARE  
(SEE HARDWARE NOTES SHEET A1.0)

MAIN ENTRANCE  
EXIT DOOR #500  
EXIT WIDTH = 68"  
MAX. TRAVEL DISTANCE = 158'-3"  
MAX. OCCUPANT LOAD CAPACITY = 340  
ACTUAL OCCUPANT LOAD = 75  
THUMB TURN LOCK  
(SEE HARDWARE NOTES SHEET A1.0)



1 LIFE SAFETY PLAN  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES:**

SIGN FOR GROUND UP STORES



**SMOKE FREE NOTE:** PROVIDE SIGNAGE SHOWN ABOVE AT EVERY ENTRY POINT ON EXTERIOR WALL INTO THE BUILDING PER THE GROUND UP OR IN-LINE STORE TYPE ABOVE. SIGNS MUST BE 10"x7" IN SIZE. THE MATERIAL IS REFERRED TO BE ALUMINUM. SIGNS MAY BE FOUND AT WWW.compliancesigns.com

**CERTIFICATE OF OCCUPANCY**

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE "CERTIFICATE OF OCCUPANCY" FOR THE BUILDING.

**KNOX BOX NOTE:** IF A KNOX BOX ENTRY SYSTEM IS REQUIRED BY THE CODES GOVERNING THE CONSTRUCTION OF THE PROJECT, PROVIDE A RECESSED KNOX BOX BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE PROJECT. LOCATE PER LOCAL CODE REQUIREMENTS. KNOX BOX CONTACT - 866-625-4563

**COLUMN LAYOUT NOTE:**

COLUMNS LOCATION SHALL BE VERIFIED BY THE METAL BUILDING MANUFACTURER. CONTRACTOR SHALL COORDINATE DOOR LOCATIONS WITH THE METAL BUILDING MANUFACTURER'S COLUMN LAYOUT. COLUMN LAYOUTS THAT VARY FROM THAT SHOWN IN THESE PROTOTYPE PLANS MUST BE SUBMITTED TO FAMILY DOLLAR FD APM FOR APPROVAL. CONVENTIONAL C.M.U., BRICK OR WOOD CONSTRUCTION DESIGNS MUST BE SUBMITTED TO FD APM FOR APPROVAL.

**DIMENSIONAL SUBMITTAL TO FAMILY DOLLAR:**

DEVELOPER/CONTRACTOR/LANDLORD MUST USE THE FDS SUPPLIED FINAL "FLP" PLAN SHEET FOR THE PURPOSES OF DIMENSIONAL AS-BUILT SUBMITTAL TO FAMILY DOLLAR. CONTACT FAMILY DOLLAR PROJECT MANAGER FOR A COPY OF FLP PLAN SHEET.

**PEMB DESIGNER NOTE:**

PEMB ENGINEER TO DESIGN METAL BLDG. STRUCTURE PER LOCAL AND STATE CODES. INTERIOR CLEAR DIMENSIONS ARE DESIGNED USING 8" PEMB GIRT FRAME WALL THICKNESS AT THE SIDES AND FRONT AND 10" GIRT FRAME AT THE REAR WALL. IF WIND OR SEISMIC LOADS REQUIRE GREATER THAN 8" THICKNESS, EXPAND OVERALL BUILDING DIMENSIONS AS REQUIRED TO MAINTAIN REQUIRED INTERIOR SALES AND BACK OF HOUSE DIMENSIONS. INTERIOR COLUMNS DESIGNED USING 5" SQUARE TUBE STEEL COLUMNS PER PROTOTYPE.

NO PLUMBING LINES SHALL PASS UNDER THE SALES FLOOR SLAB. PLUMBING LINES CAN PASS UNDER THE TOILET, OFFICE & SUPPORT AREAS.

**NOTE:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION IS IN COMPLIANCE WITH ALL LOCAL, STATE AND NATIONAL CODES GOVERNING THE CONSTRUCTION AND WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL COORDINATE THE VARIOUS CONSTRUCTION DOCUMENTS FOR THE PROJECT. IF CONFLICTS ARE FOUND, THE CONTRACTOR SHALL RESOLVE THE CONFLICTS PRIOR TO PROCEEDING.

**FUTURE CANOPY:**

FUTURE CANOPY OVER FRONT ENTRY IS BY TENANT AND TENANT SIGN VENDOR. LANDLORD GC IS RESPONSIBLE FOR PROVIDING REQUIRED BOLTS FOR CANOPY ATTACHMENT TO STRUCTURE. PRIOR TO INSTALLATION OF EXTERIOR FINISHES, LANDLORD OR GC TO CONTACT TENANT SIGN VENDOR FOR CANOPY ATTACHMENT REQUIREMENTS.

**WALL CONSTRUCTION TYPES:**

1	NOT USED
2	PRE-ENGINEERED METAL BUILDING (PEMB) STRUCTURE WITH 4" / 8" SPLIT PLAN SHEET FOR THE PURPOSES OF DIMENSIONAL AS-BUILT SUBMITTAL TO FAMILY DOLLAR. CONTACT FAMILY DOLLAR PROJECT MANAGER FOR A COPY OF FLP PLAN SHEET.
3	PARTITION WALL: 6"-20 GA. METAL STUDS 16" O.C. WITH ONE LAYER 5/8" GWB EACH SIDE FROM SLAB TO UNDERSIDE OF STRUCTURE ABOVE. BRACE WALL TO STRUCTURE 4'-0" O.C. ABOVE CEILING. FINISHED PER SCHEDULE SHEET A1.4V.
4	PARTITION WALL: 6" (20 GAGE) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB TO UNDERSIDE OF STRUCTURE ABOVE ON STOCKROOM SIDE AND TO FINISH CEILING ON TOILET / HALLWAY / OFFICE ROOM SIDE. WALLS ON INTERIOR OF TOILET ROOMS SHALL HAVE WATER RESISTANT GWB. FINISHED PER SCHEDULE SHEET A-1.4V.
4a	PARTITION WALL: 3 5/8" (20 GAGE) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB TO UNDERSIDE OF STRUCTURE ABOVE ON STOCKROOM SIDE AND TO FINISH CEILING ON TOILET / HALLWAY / OFFICE ROOM SIDE. WALLS ON INTERIOR OF TOILET ROOMS SHALL HAVE WATER RESISTANT GWB. FINISHED PER SCHEDULE SHEET A-1.4V.
5	PLUMBING PARTITION: 6" (20 GAGE) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB EACH EXPOSED SIDE TO FINISHED CEILING. PLUMBING WALLS ON INTERIOR OF TOILETS SHALL HAVE WATER RESISTANT GWB. FINISHED PER SCHEDULE SHEET A-1.4V.
6	PARTITION WALL: 6" (18 GAGE) METAL STUDS @ 12" OC @ 4'-0" WIDE ON LONG SIDE AND 3'-0" WIDE ON SHORT SIDE OF MOP SINK WITH ONE LAYER 5/8" GWB TO UNDERSIDE OF STRUCTURE ABOVE ON STOCKROOM SIDE AND TO FINISH CEILING ON TOILET / OFFICE ROOM SIDE. PROVIDE WATER RESISTANT GWB ON PLUMBING SIDE ONLY. FINISHED PER SCHEDULE SHEET A-1.4V.
7	PARTITION WALL: 2 1/2" (20 GAGE) METAL STUDS @ 24" OC WITH ONE LAYER 5/8" GWB TO FINISH CEILING. WALLS ON INTERIOR OF TOILET ROOMS SHALL HAVE WATER RESISTANT GWB. FINISHED PER SCHEDULE SHEET A-1.4V.

**DOOR SCHEDULE**

#	W	H	T	MATERIAL	HEAD	JAMB	SILL	ELEV	HDW NOTES	DOOR NOTES
100	3'-0"	6'-8"	1 3/4"	SOLID CORE WOOD	-	-	-	E	100A	2
200	PR 3'-0"	7'-0"	1 3/4"	ALUMINUM/ACRYLIC	-	-	-	D	200A	2
300	3'-0"	6'-8"	1 3/4"	SOLID CORE WOOD	-	-	-	E	300A	2
400	PR 3'-0"	7'-0"	1 3/4"	18 GA. HOLLOW METAL	-	-	-	C	400A	2
401	3'-0"	7'-0"	1 3/4"	18 GA. HOLLOW METAL	-	-	-	B	400B	2
500	PR 3'-0"	7'-0"	1 3/4"	ALUM. STOREFRONT	-	-	-	A	500A	1,2,3

**DOOR NOTES:**

- PROVIDE A SIGN POSTED ON THE EGRESS SIDE, ON OR ADJACENT TO THE DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED," THE SIGN SHALL BE IN LETTERS 1" HIGH ON A CONTRASTING BACKGROUND.
- REFER TO FINISH NOTES 2 & 4 FOR PAINTING OF DOOR AND FRAMES. REFER TO FINISH NOTES 3 FOR ELIASON DOOR.
- PROVIDE CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM WITH 4 1/2" x 2" CENTER SET PROFILE AND THERMALLY BROKEN FRAMES. DESIGNER OF RECORD SHALL DETERMINE IF LOCAL CODES REQUIRE HIGH IMPACT GLAZING AND FRAMES PER LOCAL CODES.

**HARDWARE NOTES**

**HDW # 100A**  
 -1 1/2" PAIR HINGES: STANDARD WEIGHT  
 -1 MECHANICAL PUSH BUTTON LOCKSET WITH LEVER HANDLE  
 -1 CLOSER  
 -1 FLOOR STOP

**HDW # 200A**  
 LWF-3 ALUMINUM TRAFFIC DOOR  
 EASY SWING HINGE SYSTEM  
 9" X 30" CLEAR ACRYLIC WINDOW  
 FLUSH HOLLOW METAL FRAME - DRYWALL

**HDW # 300A**  
 -1 1/2" PAIR HINGES: STANDARD WEIGHT  
 -1 PRIVACY SET WITH LEVER HANDLE  
 -1 CLOSER  
 -FLOORWALL STOP

**HDW # 400A**  
 -3 PAIR HINGES: 4 1/2" HEAVY WEIGHT, NON-REMOVABLE PINS  
 -1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE  
 -2 OVER-HEAD HOLDERS/STOPS  
 -2 FLUSH BOLTS (ON INACTIVE LEAF)  
 -1 DUST PROOF STRIKE  
 -1 PEEP HOLE TO VIEW OUT. MOUNT AT 4'-3" A.F.F.  
 -1 ALUM THRESHOLD (1/2" MAX HEIGHT)  
 -2 SWEEPS  
 -1 WEATHER STRIP  
 -1 RAIN DRIP  
 -1 ASTRAGAL

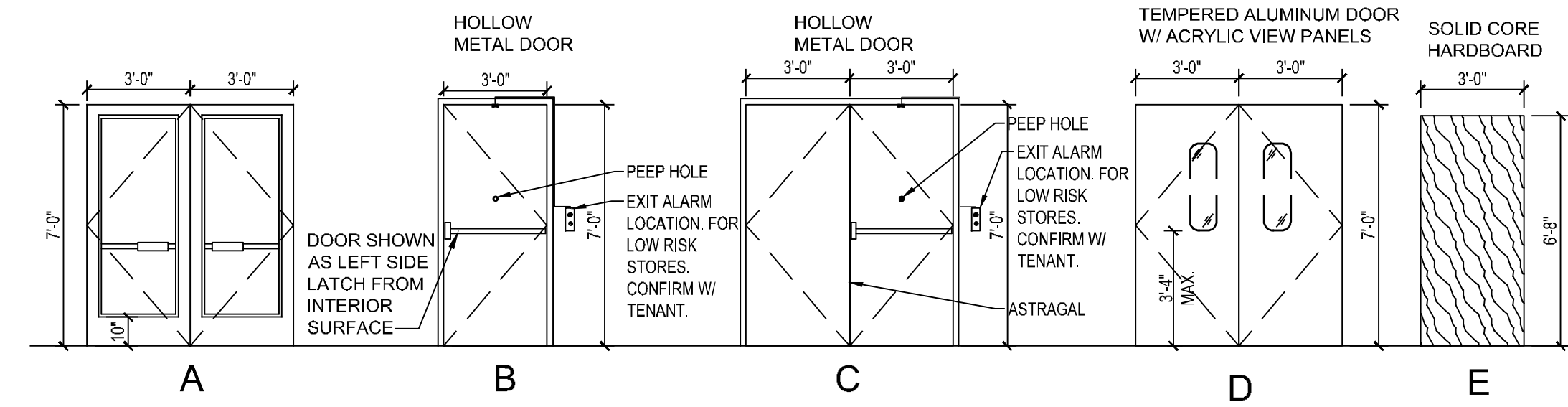
**HDW # 400B**  
 -1 1/2" PAIR HINGES: 4 1/2" HEAVY WEIGHT, NON-REMOVABLE PINS  
 -1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE WITH STAND ALONE ALARM REFER TO DOOR ALARM MOUNTING DETAIL  
 -1 CLOSER  
 -1 PEEP HOLE TO VIEW OUT. MOUNT AT 4'-3" AFF  
 -1 ALUM THRESHOLD (1/2" MAX HEIGHT)  
 -1 SWEEP  
 -1 WEATHER STRIP  
 -1 RAIN DRIP

**HDW # 500A**  
 -CONTINUOUS HINGES PER STOREFRONT MANUFACTURER (BY GENERAL CONTRACTOR)  
 -1 ALUM THRESHOLD (1/2" MAX HEIGHT)  
 -2 CLOSERS WITH STOP ARM AND DROP PLATE  
 -2 PUSH PLATES  
 -2 PULL HANDLES  
 -1 KABA CYLINDER  
 -1 SWEEP  
 -1 WEATHER STRIP  
 -1 COMMERCIAL GRADE DEADLOCK W/ THUMB TURN ON SALES SIDE

NOTE: CLOSER SHALL NOT HAVE A HOLD-OPEN FEATURE.

**GENERAL HARDWARE NOTES:**

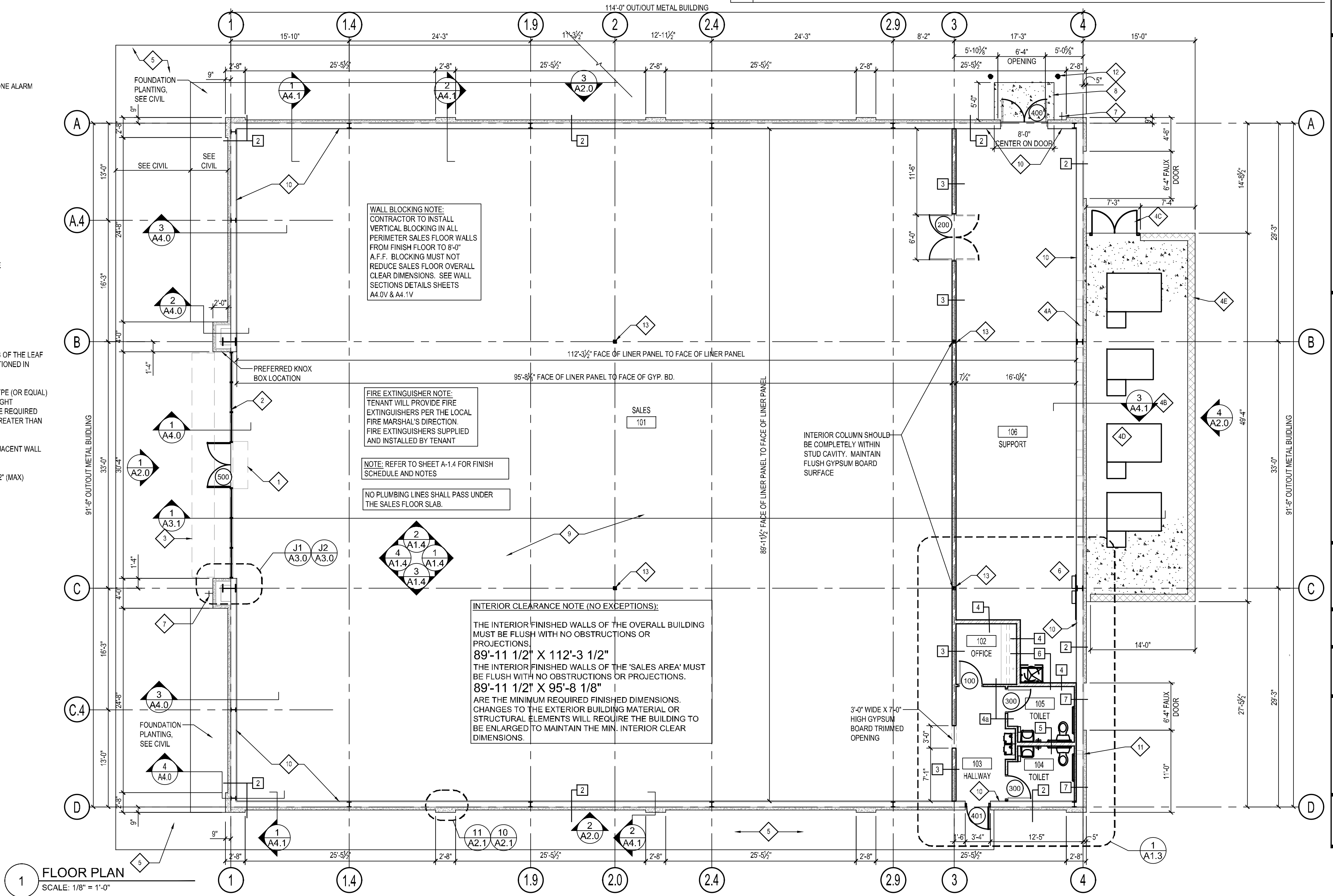
- REINFORCE JAMBS WITH WOOD BLOCKING.
- WHERE EGRESS DOORS ARE USED IN PAIRS, THE UNLATCHING OF THE LEAF SHALL NOT REQUIRE MORE THAN ONE (1) OPERATION AS MENTIONED IN GENERAL HARDWARE NOTE #2 ABOVE.
- CONTROLS AND OPERATING MECHANISMS SHALL BE LEVER-TYPE (OR EQUAL) PROVIDING OPERATION WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS OF INTERIOR DOORS SHALL BE NO GREATER THAN 5 POUNDS (22.2 N).
- INSTALL TENANT SUPPLIED ACCESSIBLE SIGN ON OUTSIDE ADJACENT WALL SURFACE.
- THRESHOLDS AT EGRESS DOORS SHALL BE NO MORE THAN 1/2" (MAX) HEIGHT AFF.



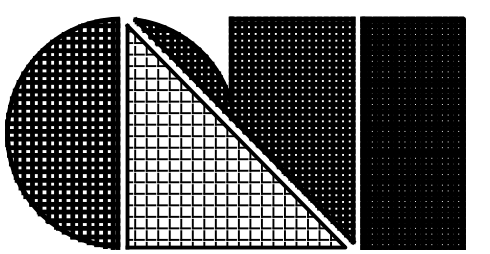
**2 DOOR ELEVATIONS**  
 SCALE: 1/4" = 1'-0"

**KEYED NOTES:**

- AIR CURTAIN W/ TRANSOM MOUNT ABOVE ENTRY DOOR. SEE MECHANICAL. MOUNTING REQUIREMENTS AND DETAILS TO BE PROVIDED BY MANUFACTURER
- REFER TO STOREFRONT ELEVATIONS AND DETAILS ON SHEET A-3.0V.
- FUTURE CANOPY FURNISHED AND INSTALLED BY TENANT. SEE "FUTURE CANOPY" BOX NOTE THIS SHEET FOR BOLT INSTALLATION REQUIREMENTS.
- HVAC DUCT PENETRATION. REFER TO MECHANICAL DRWGS.
- 5" THICK HVAC CONCRETE PAD.
- DOUBLE 3'-0" HVAC ENCLOSURE GATE WITH CAN BOLT AND LOCKABLE LATCH ON ACTIVE LEAF.
- HVAC MECHANICAL UNIT. SEE MECH. DRWGS.
- 12" SPLIT FACE CMU HVAC ENCLOSURE SCREEN, SEE SHEET A7.0
- CONCRETE SIDEWALK SEE SITE PLAN FOR LIMITS - (SEE CIVIL.)
- PROVIDE ELECTRICAL SERVICE AND ELECTRICAL ITEMS PER THE ELECTRICAL DRWGS.
- PROVIDE LOCKABLE RECESSED FREEZER PROOF HOSE BIB PER PLUMBING DRWGS.
- PROVIDE 4" (MIN) THICK CONCRETE PAD OR AS REQUIRED BY GEOTECH REPORT.
- FLOOR SHALL MEET A MIN. OF 100 LBS/SQ.FT. ALL REQUIRED EXPANSION AND CONTROL JOINTS SHALL BE PROPERLY INSTALLED. FLOOR SHALL HAVE FUNCTIONING VAPOR BARRIER INSTALLED BENEATH THE SLAB.
- PRE-ENGINEERED METAL BUILDING (PEMB) STRUCTURE WITH REVERSE ROLL SUPER SPAN X 26GA LINER PANELS TO 12'-6" SECURED TO INSIDE FACE OF GIRTS
- PROVIDE TOILET EXHAUST WITH METAL DUCT THROUGH THE WALL LOCATED OVER THE TOILET AREA. SEE MECHANICAL DRAWINGS.
- PROVIDE (2) 6" DIAM. PIPE BOLLARDS AT FREIGHT DOORS AND EGRESS DOOR IF THEY LEAD OUT INTO TRAFFIC / DRIVE AISLE - FILL WITH CONCRETE & PAINT SAFETY RED. SEE 8/A.1
- SQUARE TUBE STEEL COLUMN BY PEMB MANUFACTURER. (PROTOTYPE ASSUMES 5" SQUARE TUBE STEEL)



**1 FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
 SUITE 100  
 BELMONT, NC 28012

Ph. 704-342-1686  
 Fx. 704-343-0054  
 EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :** FAMILY DOLLAR FOR STOCKS & TAYLOR CONSTRUCTION INC.  
 HWY 168 CURRITUCK, NC  
 2021-01 RURAL VB PROTOTYPE

**Sheet Description :** FLOOR PLAN, NOTES & SCHEDULES

Seal 05/03/22



THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

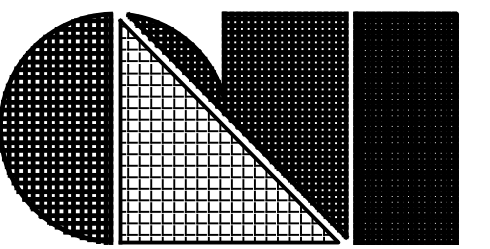
Drawn By: J. ZINK  
 Checked By: D. MYERS

Revisions:

Date: 05/03/22

Sheet No.

**A1.0**



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
FAMILY DOLLAR  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 RURAL-VB PROTOTYPE

**Sheet Description :**  
ROOF PLAN &  
LIGHT POLE  
BASE DETAIL

Seal

05/03/22

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND OR TIMOTHY JOHNSTON ARCHITECT

Drawn By :  
J. ZINK

Checked By :  
D. MYERS

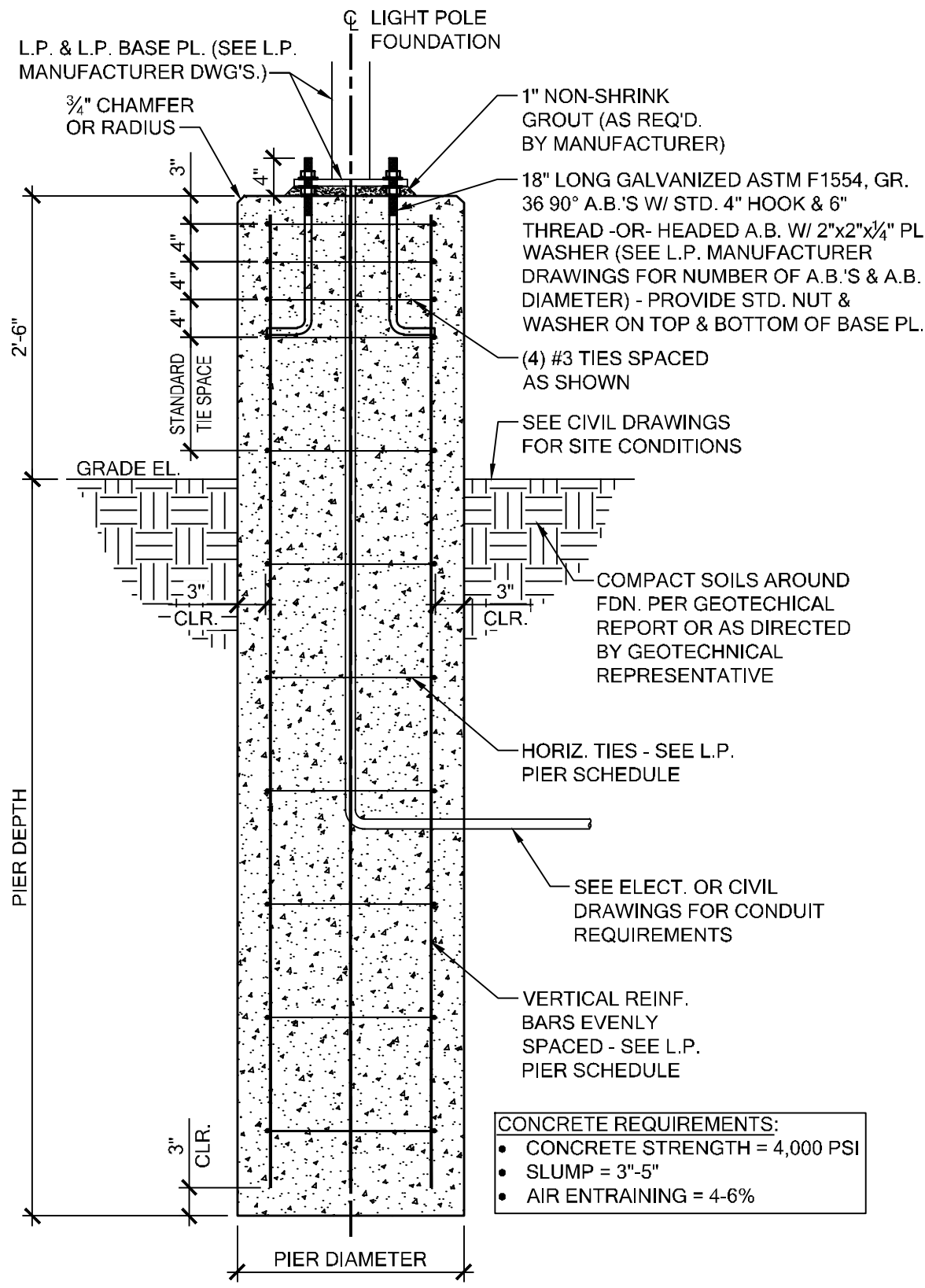
Revisions :


Date :  
05/03/22

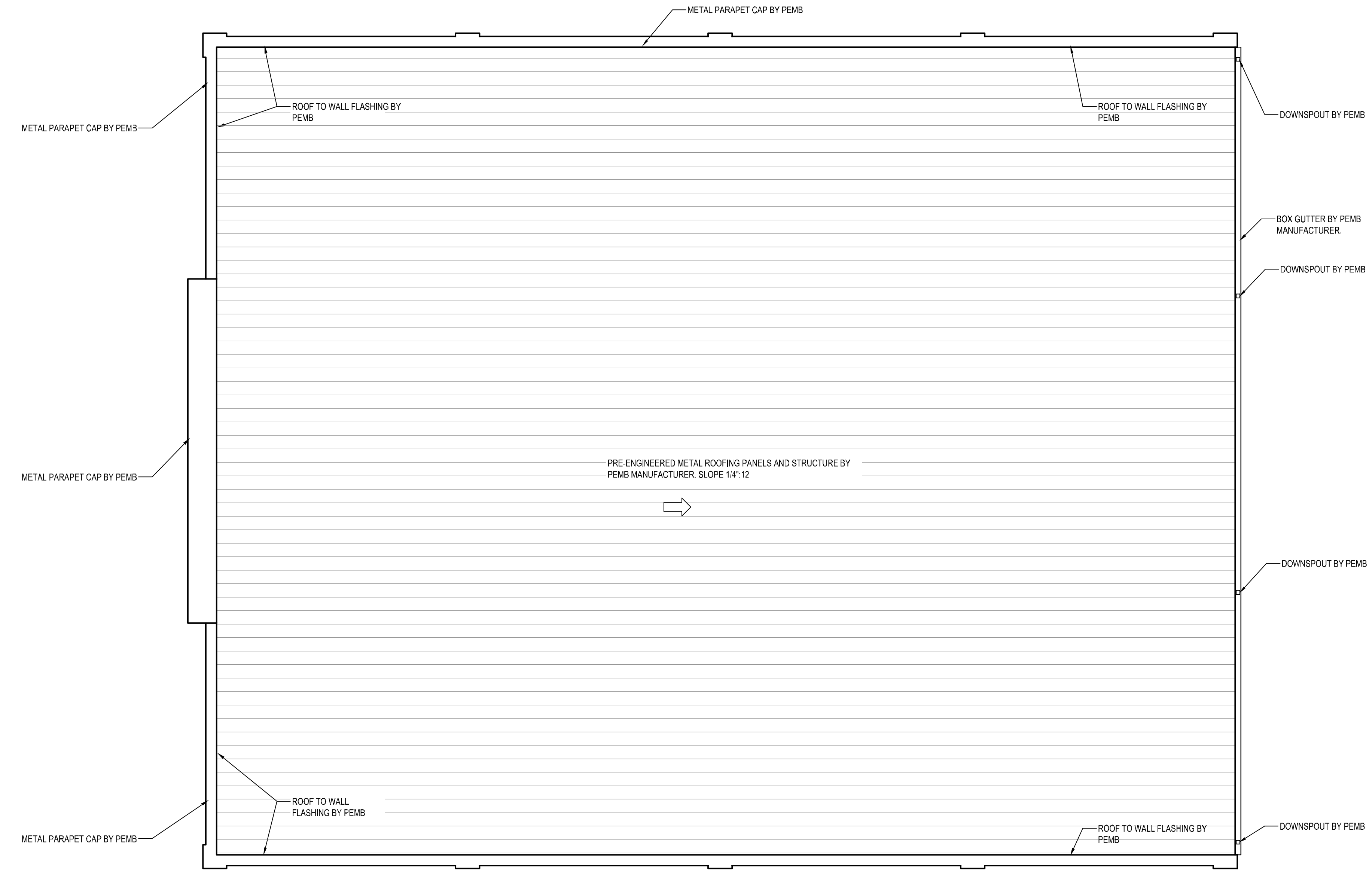
Sheet No.

LIGHT POLE BASE FOUNDATION PIER SCHEDULE				
ULTIMATE WIND SPEED (MPH)	PIER DIAMETER (IN.)	PIER DEPTH (FT.)	VERTICAL REINFORCING BARS	HORIZONTAL TIES
115	2'-0"	6'-0"	(6) #5	#3 @ 12" O.C.
120	2'-0"	6'-0"	(6) #5	#3 @ 12" O.C.
130	2'-0"	6'-0"	(6) #5	#3 @ 12" O.C.
140	2'-0"	7'-0"	(6) #5	#3 @ 12" O.C.
150	2'-0"	7'-0"	(6) #5	#3 @ 12" O.C.
160	2'-0"	7'-0"	(6) #5	#3 @ 12" O.C.

← THIS PROJECT

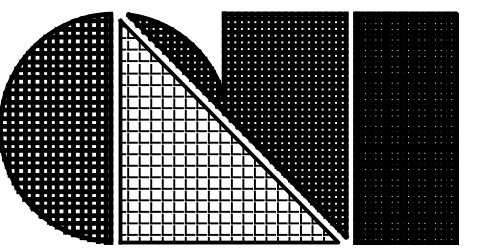


2 LIGHT POLE BASE DETAIL  
SCALE: 3/4" = 1'-0"



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

**A1.1**



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**REFLECTED CEILING PLAN**

Seal  
05/03/22

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C.L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

Drawn By:  
J. ZINK

Checked By:  
D. MYERS

Revisions:

Date:  
05/03/22

Sheet No.

**A1.2**

**KEYED NOTES:**

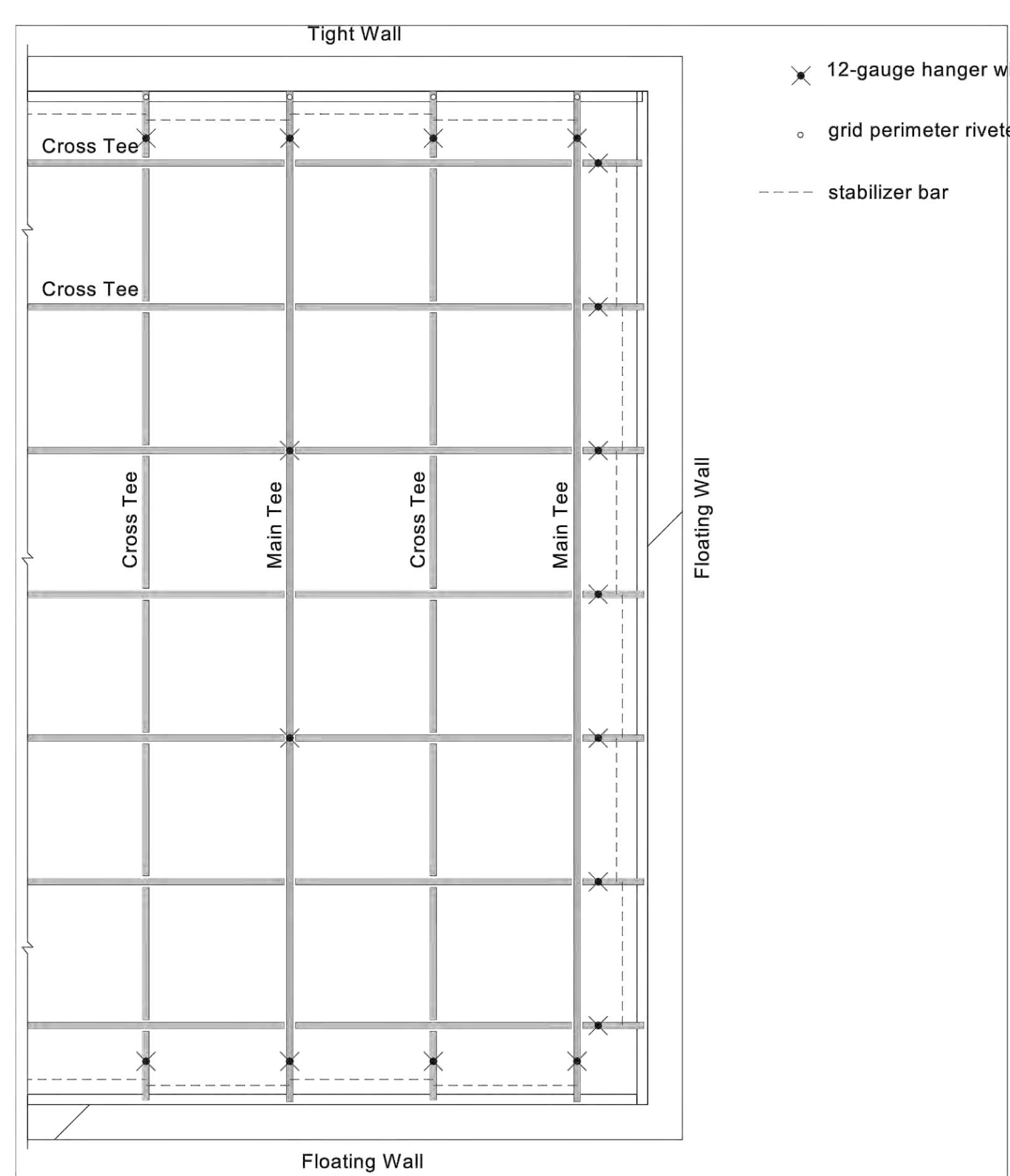
1	CENTER GRID ON SALES FLOOR
2	CENTER GRID IN ROOM.
3	CENTER LIGHTS IN ROOM.
4	REFER TO ELECTRICAL VANILLA BOX LIGHTING PLAN FOR LIGHT LOCATIONS.

**REFLECTED CEILING LEGEND:**

- 1x4 OR 1x8 LIGHT FIXTURE SURFACE MOUNTED TO CEILING
- 2x4 LAY IN CEILING TILE AND TEE GRID SYSTEM. REFER TO FIN. SCH.
- GWB - 1/2" M.R. GWB ON 3/8" METAL STUDS 16" O.C. REFER TO FIN. SCH.
- EXIT SIGN. CENTER OVER DOOR
- WALL MOUNTED GOOSENECK FIXTURE. REFER TO ELEC. DRWGS. FOR TYPE AND EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS

**LAY IN CEILING SYSTEM SEISMIC DETAILS**

- \* DETAIL TO BE USED ONLY FOR BUILDINGS IN IBC SEISMIC DESIGN CATEGORIES D, E, OR F.
- \* REFER TO METAL BUILDING DRAWINGS AND GEOTECHNICAL REPORT FOR SEISMIC DESIGN CATEGORY AND SITE CLASS.



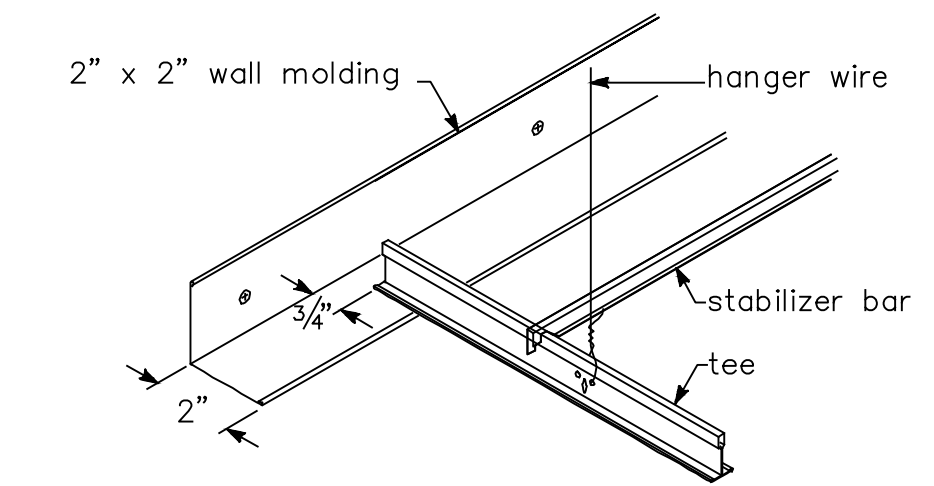
**Standard Seismic Applications**

For lay-in acoustical panels and direct-hung acoustical tiles visit the USG Seismic Ceilings Resource Center at www.seismicceilings.com

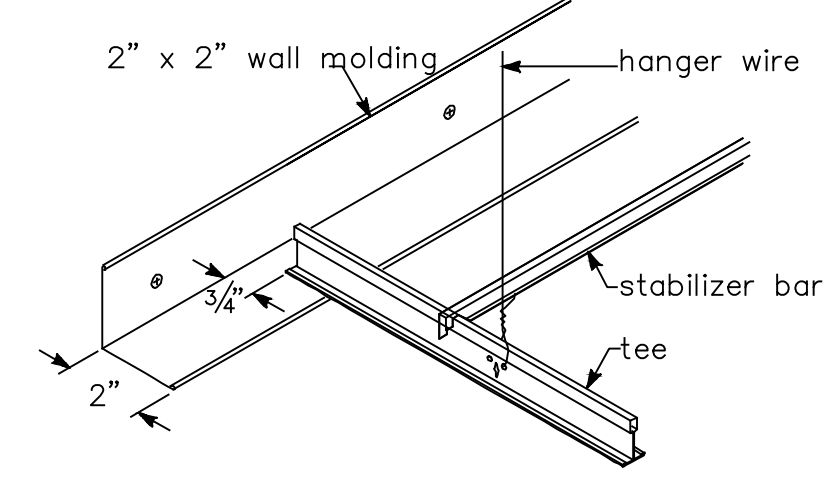
	IBC Category C	IBC Category D, E, F	IBC 25-2
<b>Basic Connections, Perimeter, and Lateral Splay Bracing</b>			
Minimum intersection strength limits @ MF / CT*	500 lbs	1000 lbs	1000 lbs
Vertical hanger wire 12-gauge @ 4' s.c.	Required	Required	Required
Connection device from vertical wire to the structure above must sustain min 100 lbs	Not required	Required	Required
Main tee classification	Immediate- or heavy-duty	Heavy-duty	Immediate- or heavy-duty
1 in 8 max climb of vertical hanger wires	Required	Required	Required
Perimeter vertical hanger wires not more than 8" from wall	Not required unless molding < 7/8"	Required	Required
Grid end/wall clearance	Min 3/8"	Min 3/4"	Some clearance on two non-anchored walls, if applicable
Perimeter closure (prodding) with grid connection to perimeter attached on two adjacent walls	Min 7/8" (or use perimeter ties)	Min 2"	Min 2"
Perimeter tee ends tied together at perimeters	Required	Required	Required
Horizontal restraint (splay wires or rigid bracing) within 2" of intersection and splayed 90° apart at 45° angles	Not required	Required	Required
Compression posts (strut)	Not required	Required	Required
12" s.c. in both directions starting 6" from walls	Not required	Required	Required
Splay bracing connection strength 200 lbs or the design load, whichever is greater	Not required	Required	Required
Partition attachment	Allowed only if framing is able to receive bracing	Bracing independent of ceiling splay bracing	Allowed with bracing
Seismic separation joint	Not required	Required for areas > 2,500 sq. ft. or full height partition	Not required
Rigid bracing for ceiling plane elevation changes	Not required	Required	Not required
<b>Light Fixture Attachment</b>			
Light fixture (all types) mechanically attached to grid or NEC 410-16 two per fixture unless independently supported	Required	Required	Required
Surface-mounted fixtures attached to grid	Not required	Not required	Required (including splay wires to vertical wire or structure)
Pendant hung fixtures directly supported from structure with 9-gauge wire (or approved alternative)	Required	Required	Required
Rigid lay-in or cast light fixtures	Not required	Required	Required
< 10 lbs, one wire to structure (may be slack)	Required	Required	Lower limit is 20 lbs.
11 - 56 lbs, two wires from housing to structure (may be slack)	Required	Required	Required - lower limit is 20 lbs.
> 57 lbs, supported directly to structure by approved hangers	Required	Required	Required
<b>Service Applications</b>			
Air terminals			
< 20 lbs, positively attached to grid	Required	Required	Required
21 - 56 lbs, positively attached to grid and two 12-gauge wires to structure (may be slack)	Required	Required	Required
> 57 lbs, directly supported to structure	Required	Required	Required
Sprinkler heads and other penetration clearance	Min 3/8" on all sides	Min 2" dia, opening or a swing joint	Not required
Cable trays and electrical conduit independently supported and braced	Not required	Required	Not required

**Notes**  
1. Refer to USG Seismic Ceilings Resource Center for more information.  
2. Refer to USG Seismic Ceilings Resource Center for more information.  
3. All USG Seismic Ceilings Resource Center products meet these requirements.  
4. For AC708 GWS.  
5. Required for ceilings larger than 1,000 square feet.  
6. Where substantial design calculations are not provided, use ASCE 7. Allow ceiling weight 2.5 psf.  
7. Where substantial design calculations are not provided, use ASCE 7. Allow ceiling weight 2.5 psf.  
8. Where intermediate clip systems are used, the 12-gauge hanger wires shall be attached to the suspension members within the vertical clearance of each beam.  
9. Please refer to ACCESS for more information.

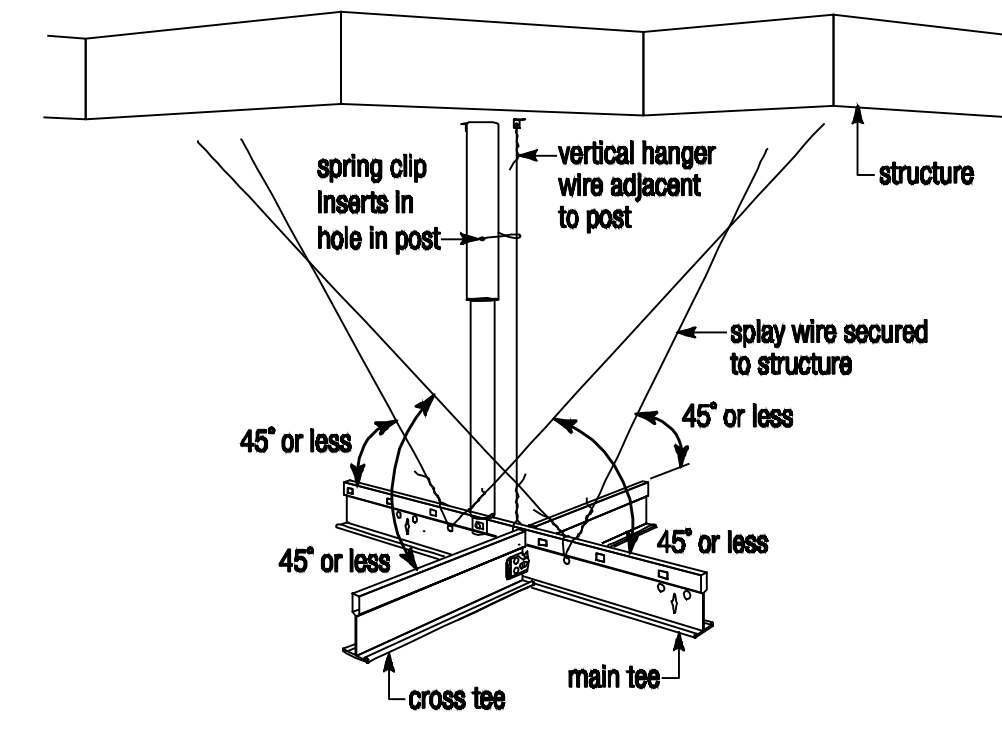
2 STANDARD CEILING LAYOUT - SEISMIC CATEGORY D, E, F  
NOT TO SCALE



3 PERIMETER TREATMENT FLOATING WALL DETAIL  
NOT TO SCALE



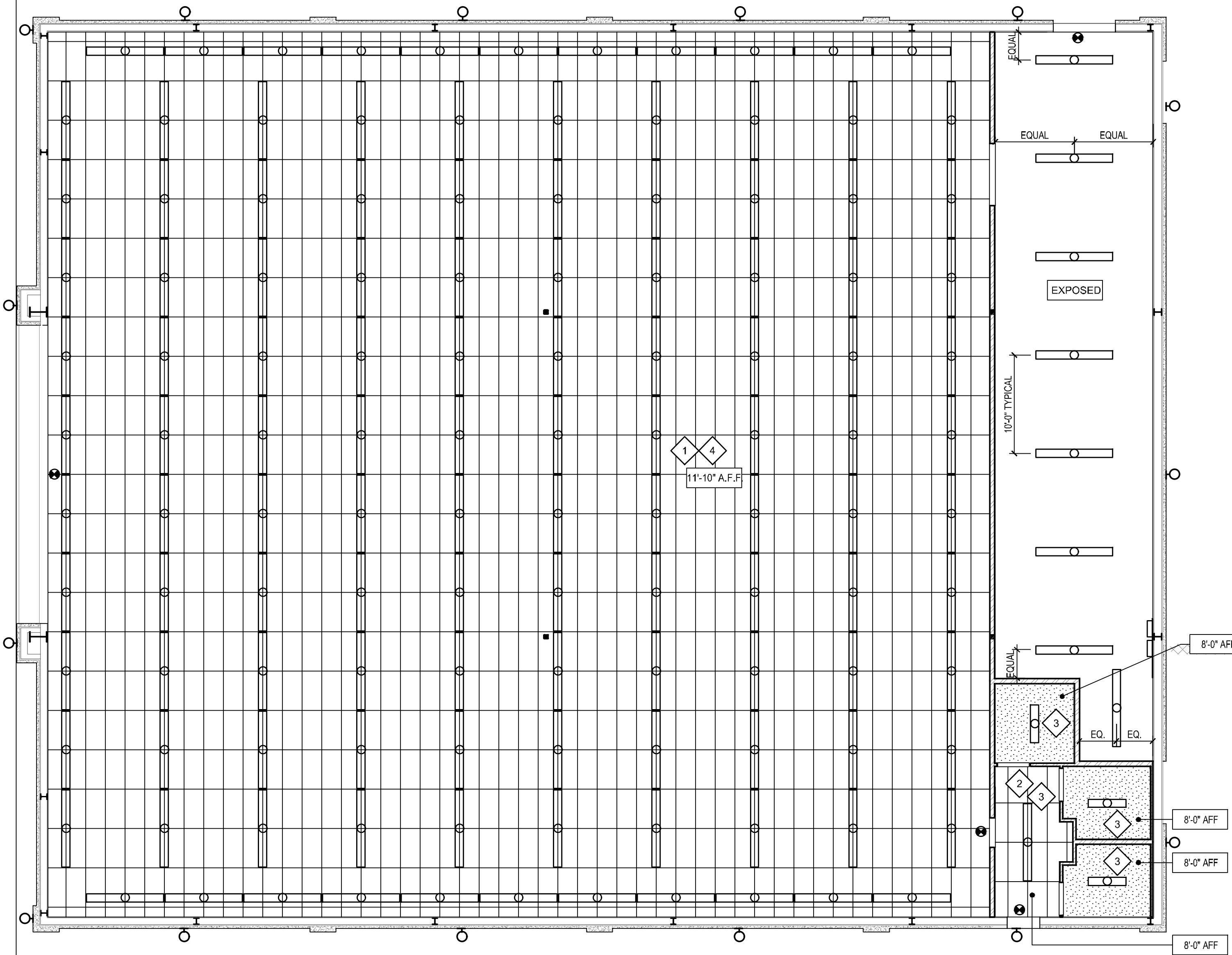
4 PERIMETER TREATMENT FIXED WALL DETAIL  
NOT TO SCALE



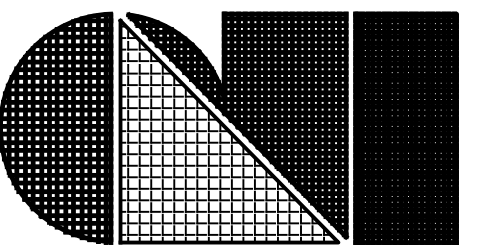
5 COMPRESSION POST DETAIL  
NOT TO SCALE

**LAY IN CEILING SYSTEM SEISMIC NOTES:**

1. DETAILS SHOWN ARE FROM USG SEISMIC DETAILS FOR LAY IN CEILING SYSTEM. ALTERNATE MANUFACTURERS / CEILING SYSTEMS MAY BE USED. REFER TO MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR SEISMIC BRACING AND LAYOUT DETAILS FOR SEISMIC CATEGORY D, E, F.
2. ADDITIONAL DETAILS MAY BE REQUIRED, REFER TO MANUFACTURER'S PRODUCT SPECIFIC INFORMATION FOR ADDITIONAL REQUIREMENTS NOT SHOWN.
3. SEISMIC SEPARATION JOINT MAY BE REQUIRED, SEE MANUFACTURER'S SPECIFIC PRODUCT INFORMATION AND DETAILS.
4. VERTICAL COMPRESSION POSTS MAY NOT BE REQUIRED IN ALL JURISDICTIONS AND ENFORCED IN ALL SEISMIC ZONES. VERIFY WITH LOCAL CODE OFFICIAL AND SYSTEM MANUFACTURER.



1 REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

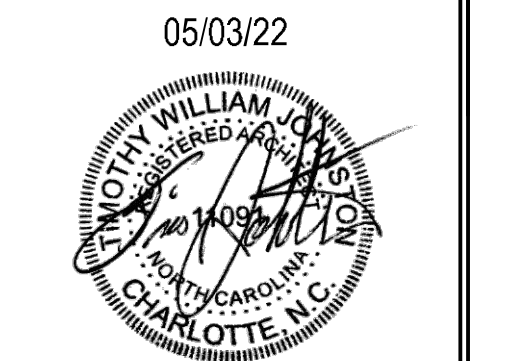
Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELTT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
FOR  
**STOCKS & TAYLOR CONSTRUCTION INC.**  
HWY 168  
**CURRITUCK, NC**  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**ENLARGED**  
**PLANS**

Seal



THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

Drawn By:  
**J. ZINK**

Checked By:  
**D. MYERS**

Revisions:

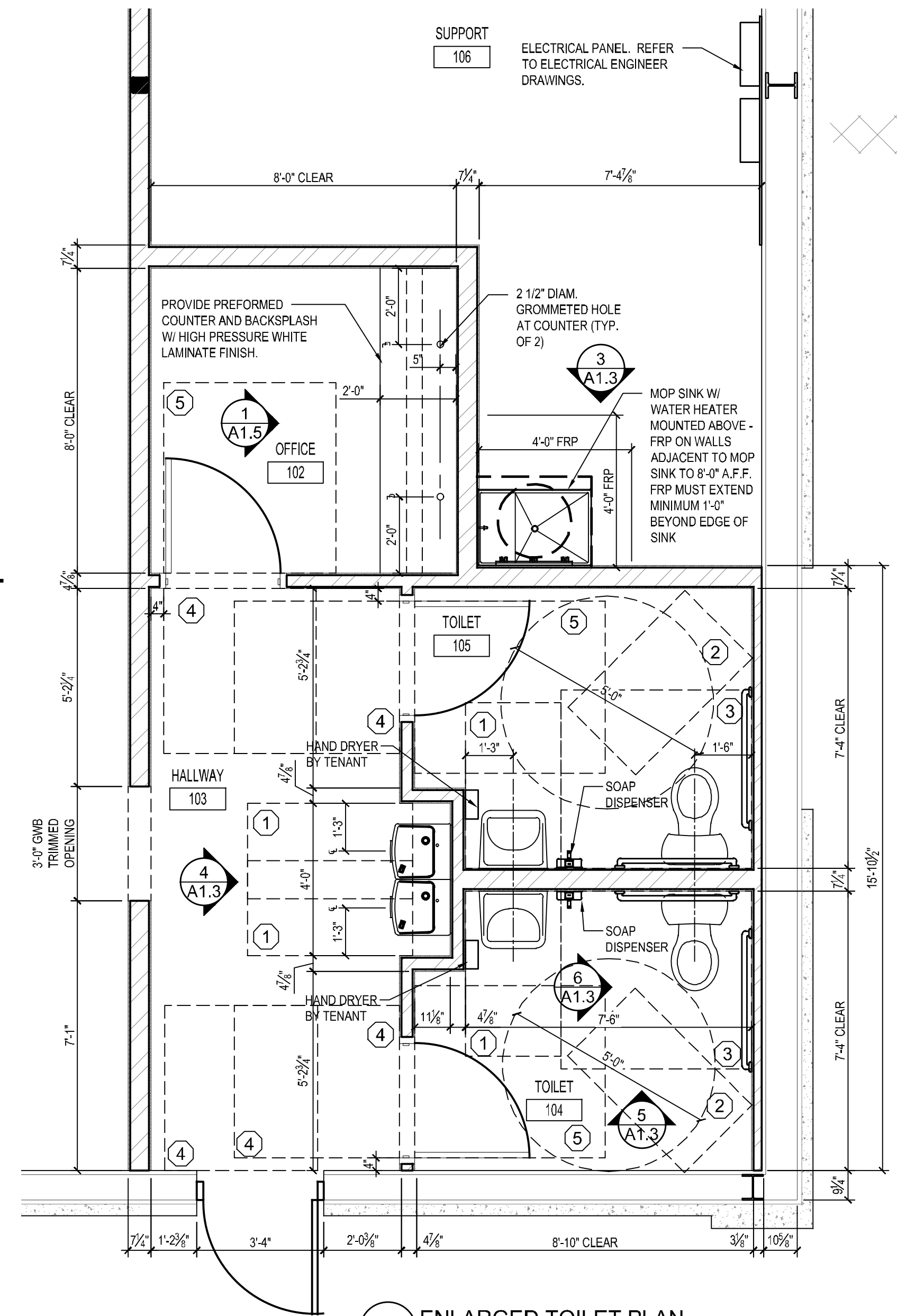
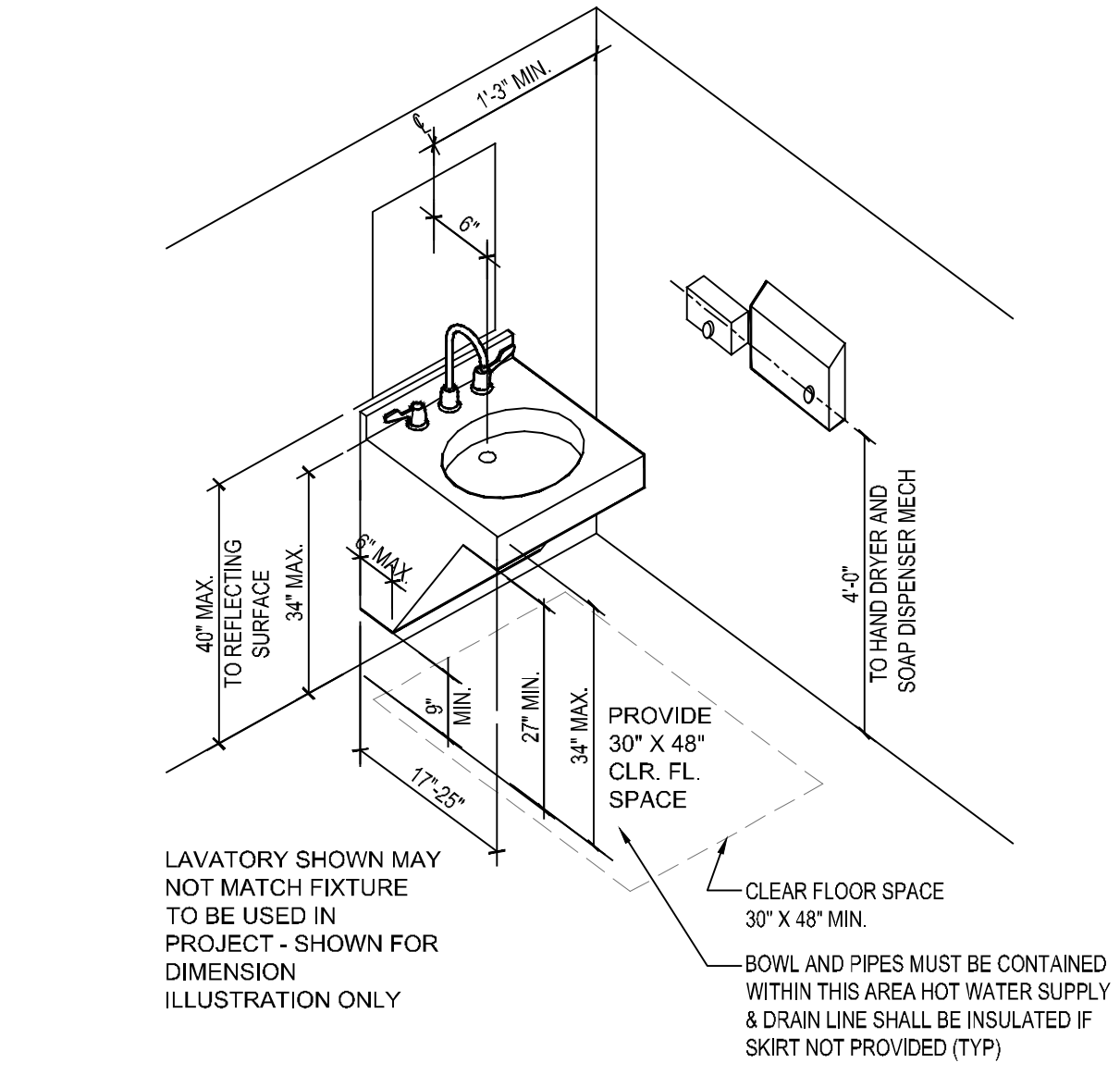
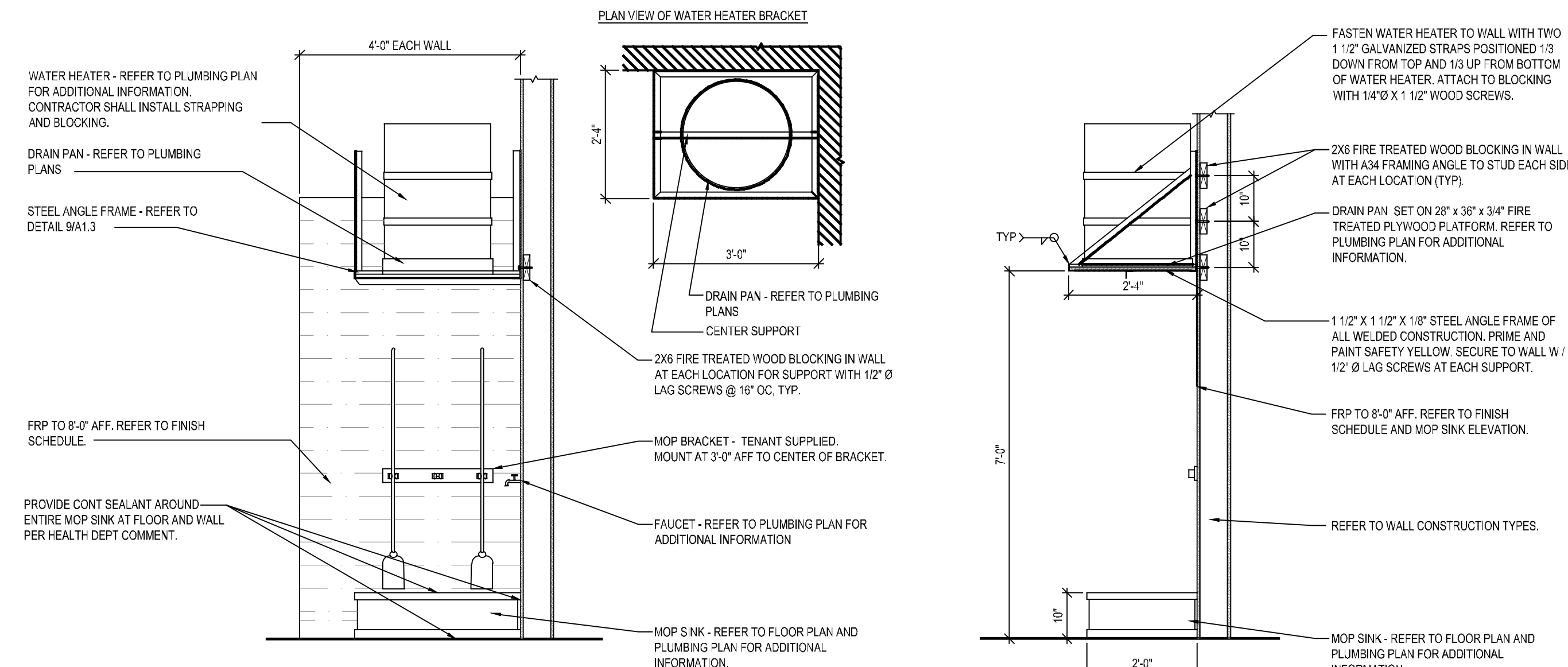
Date:  
05/03/22

Sheet No.

**A1.3**

**GENERAL REST ROOM NOTES:**

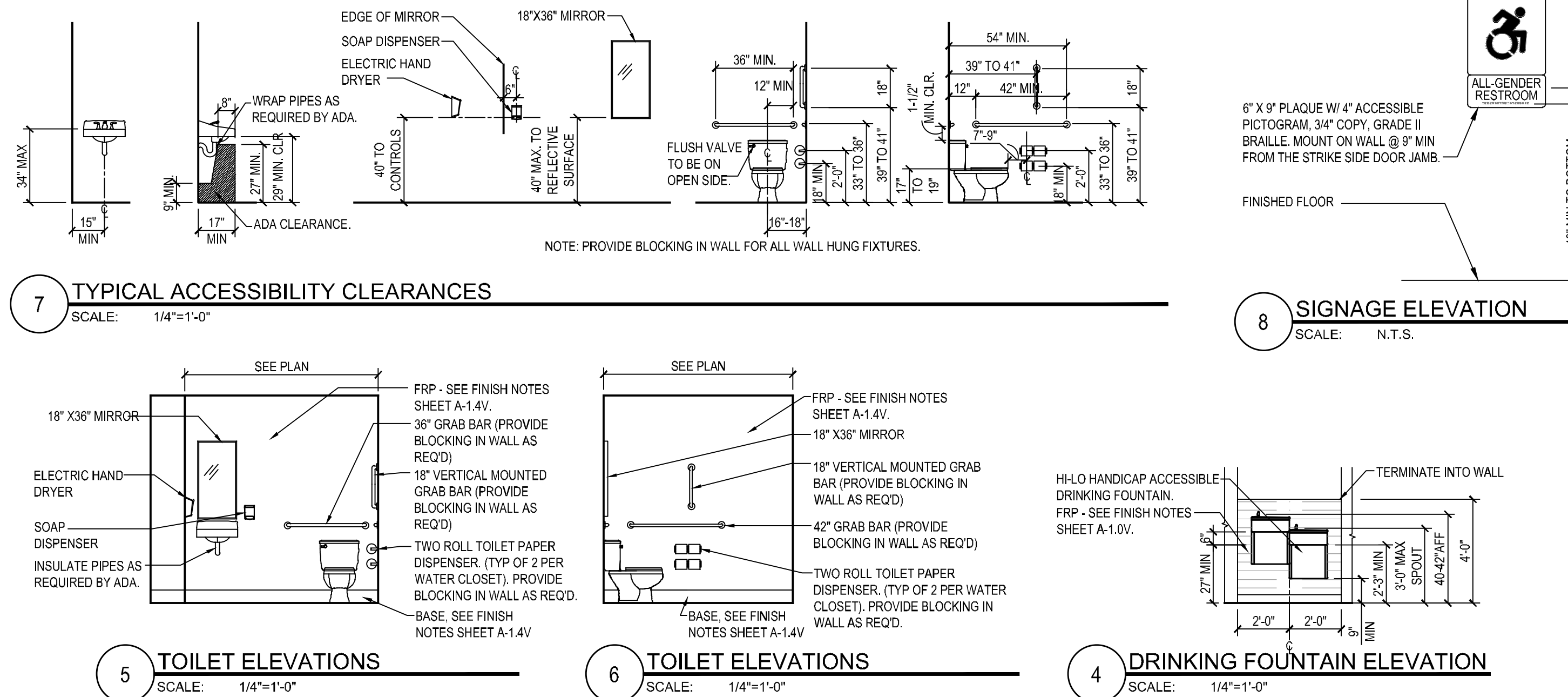
- LAYOUT OF TOILET ROOM FACILITIES SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES, INCLUDING ALL ADA REQUIREMENTS. SUBMIT ANY MODIFIED LAYOUTS TO FAMILY DOLLAR FOR THEIR REVIEW AND APPROVAL.
- TOILET ROOMS SHALL INCLUDE THE FOLLOWING ACCESSORIES:
  - 18"X36" WALL MIRROR WITH CONCEALED MOUNTING CENTERED OVER EACH LAVATORY. INSTALL W/ BASE OF REFLECTIVE SURFACE @ 40" A.F.F. PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
  - DUAL ROLL TOILET TISSUE DISPENSER, 18 GA. CHROME PLATED STEEL OR APPROVED EQUAL. INSTALL PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
  - STN. STL. COAT HOOK MOUNTED TO DOOR FACE OR APPROVED EQUAL. INSTALL HOOK @ 4'-0" A.F.F. MAX.
  - 1 1/4" x 3/8" & 42" & 16" STN. STL. CODE APPROVED GRAB BARS MOUNTED TO WALL. INSTALL GRAB BARS PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
  - PROVIDE JUNCTION BOX PER ELECTRICAL DRWGS. FOR TENANT SUPPLIED AND INSTALLED HAND DRYER.
  - SOAP DISPENSER MOUNTED PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
  - CODE APPROVED ROOM IDENTIFICATION SIGN INSTALLED ADJACENT TO STRIKE JAMB/LATCH SIDE OF DOOR W/ HORIZONTAL CENTERLINE @ 60" A.F.F.
- INSTALL CONTINUOUS FIRE RETARDANT TREATED 2x6 BLOCKING BETWEEN STUDS FOR ALL HANDRAILS, GRAB BARS, FIXTURES, BRACKETS, ACCESSORIES, CABINETRY, AND MISC. SPECIALTIES AS REQUIRED, UNLESS NOTED OTHERWISE.
- USE 5/8" MOISTURE RESISTANT G.W.B. (GREENBOARD) FOR TOILET ROOM WALLS.
- DOOR HARDWARE MUST BE MOUNTED BETWEEN 34" (MIN.) & 48" (MAX.)
- FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.



- CLEAR FLOOR PLAN NOTES:**
- 30" x 48" CLEAR FLOOR AT LAVATORY AND WATER FOUNTAIN
  - 30" x 48" CLEAR FLOOR SPACE
  - 60" x 58" CLEAR FLOOR SPACE AT TOILET
  - 52" x 48" PUSH SIDE OF DOOR
  - 54" x 60" AT PULL SIDE OF DOOR

**FRP NOTE:**

INSTALL FRP (GLASBORO # 85 WHITE W/ PEBBLED EMBOSSED FINISH, BY CRANE COMPOSITES OR EQUAL) TO 8'-0" A.F.F. ON ALL WALL SURFACES IN THE RESTROOMS. INSTALL FRP TO 8'-0" A.F.F. BEHIND THE MOP SINK AND 4'-0" A.F.F. WATER COOLER. TERMINATE INTO ADJACENT DOOR FRAMES. COMPLETE FRP W/ TRIP CAP ON TOP. SIDES, CORNERS AND JOINTS, INCLUDING CAULKING AS REQ. BY MFG. VERIFY LOCAL CODE FOR ADDITIONAL APPLICATION IF REQ.



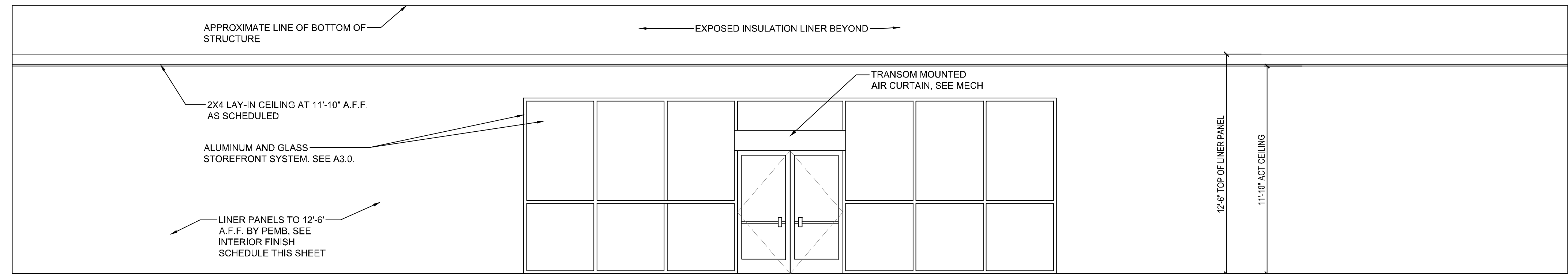


FINISH SCHEDULE						
ROOM #	SPACES	FLOOR	BASE	WALL	CEILING	NOTES
101	SALES	CONCRETE READY FOR TENANTS FLOOR FINISH	---	LINER PANELS & GWB W/ LEVEL 4 FINISH READY FOR TENANTS PAINT	ACT-1 AT 11'-10" AFF	
102	OFFICE	CONCRETE READY FOR TENANTS FLOOR FINISH	---	GWB W/ LEVEL 4 FINISH READY FOR TENANTS PAINT	GWB AT 8'-0" AFF. PAINT-1	
103	HALLWAY	CONCRETE READY FOR TENANTS FLOOR FINISH	---	LINER PANELS & GWB W/ LEVEL 4 FINISH READY FOR TENANTS PAINT	ACT-1 AT 8'-0" AFF	
104	TOILET	SHEET VINYL	SV-1	FRP-1 TO 8'-0" AFF	GWB AT 8'-0" AFF. PAINT 1	4
105	TOILET	SHEET VINYL	SV-1	FRP-1 TO 8'-0" AFF	GWB AT 8'-0" AFF. PAINT 1	4
106	STOCKROOM	CONCRETE READY FOR TENANTS FLOOR FINISH	---	LINER PANELS & GWB W/ LEVEL 4 FINISH READY FOR TENANTS PAINT	EXPOSED NO PAINT	1,2,3

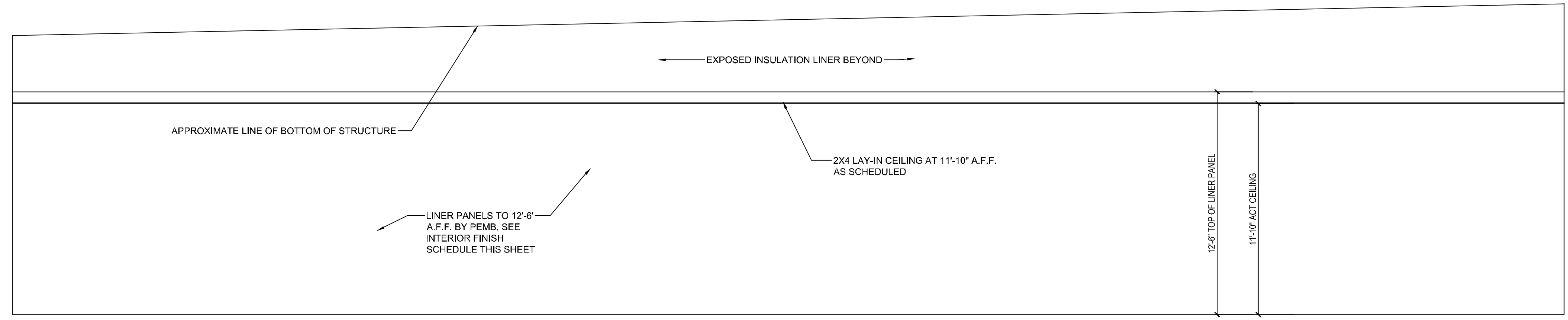
**FINISH NOTES**

- DO NOT PROVIDE SEAL CHEMS SPEC HARDENER (OR EQUIVALENT) ONTO CONCRETE FLOORS IN STOCKROOM THAT WILL RECEIVE CLEAR ACRYLIC SEALER.
- EXTERIOR SIDE OF HOLLOW METAL DOORS AND FRAMES TO BE PRIMED & PAINTED IN FIELD WITH 1 COAT PRIMER AND 2 COATS SEMI-GLOSS, COLOR PER EXTERIOR FINISH SCHEDULE.
- ELIASON DOORS TO BE FACTORY FINISHED PER DOOR SCHEDULE.
- HOLLOW METAL FRAMES AND WOOD RESTROOM DOORS TO BE PRIMED & PAINTED IN FIELD WITH 1 COAT PRIMER AND 2 COATS SEMI-GLOSS, COLOR WHITE.

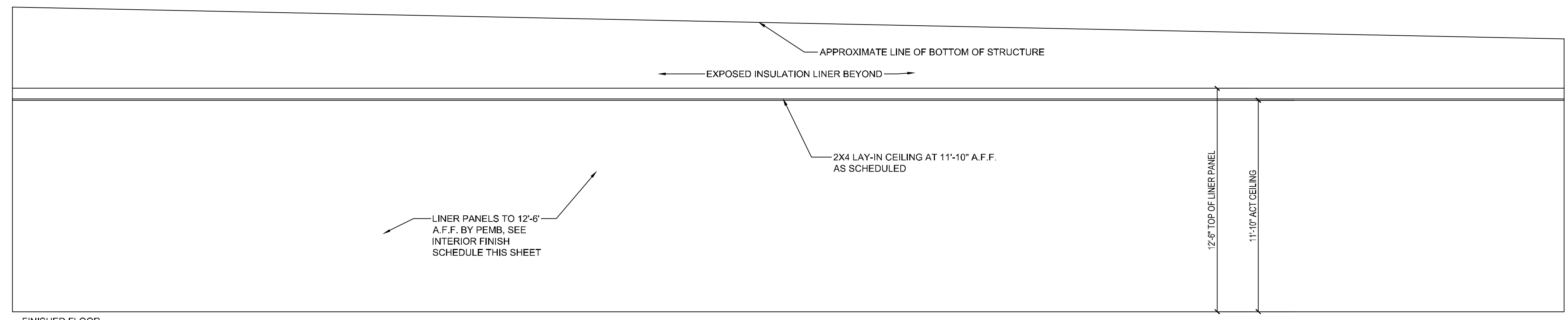
FINISHES		
<b>FLOOR</b>	SHEET VINYL	SHEET VINYL: CLASSIC CORLON SERIES MANUFACTURED BY ARMSTRONG - CONNECTION CORLON "PORCELAIN" #88724 OR EQUAL.
<b>BASE</b>	SV-1	SHEET VINYL BASE: INTEGRAL, 3/8" RADIUS, 6" HIGH COVED BASE W/ COVE STICK AND EXTRUDED ALUMINUM CAP TRIM.
<b>WALLS</b>	FRP-1	INSTALL FRP (GLASBORD # 85 - WHITE W/ PEBBLED EMBOSSED FINISH, BY CRANE COMPOSITES OR EQUAL) (FORMALLY KEMITE) TO 8'-0" A.F.F. ON ALL WALL SURFACES IN THE RESTROOMS. INSTALL FRP TO 8'-0" A.F.F. BEHIND THE MOP SINK AND 4'-0" A.F.F. BEHIND THE WATER COOLER A MINIMUM OF 1 FT TO EACH SIDE. COMPLETE FRP W/ TRIP CAP ON TOP SIDES, CORNERS AND JOINTS, INCLUDING CAULKING AS REQD. BY MFG. VERIFY LOCAL CODE FOR ADDITIONAL APPLICATION IF REQD.
	LINER	REVERSE ROLL SUPER SPAN X 26GA LINER PANELS TO 12'-6"
<b>CEILING</b>	ACT-1	2'-0" X 4'-0" SUSPENDED LAY-IN CEILING TILE BY ARMSTRONG "CORTEGA" SQUARE EDGE #789-COLOR WHITE IN WHITE METAL TEE GRID.
	PAINT-1	(2 COATS) SUPER HIDE ZERO VOC LATEX INTERIOR SEMI-GLOSS #358 COLOR-WHITE



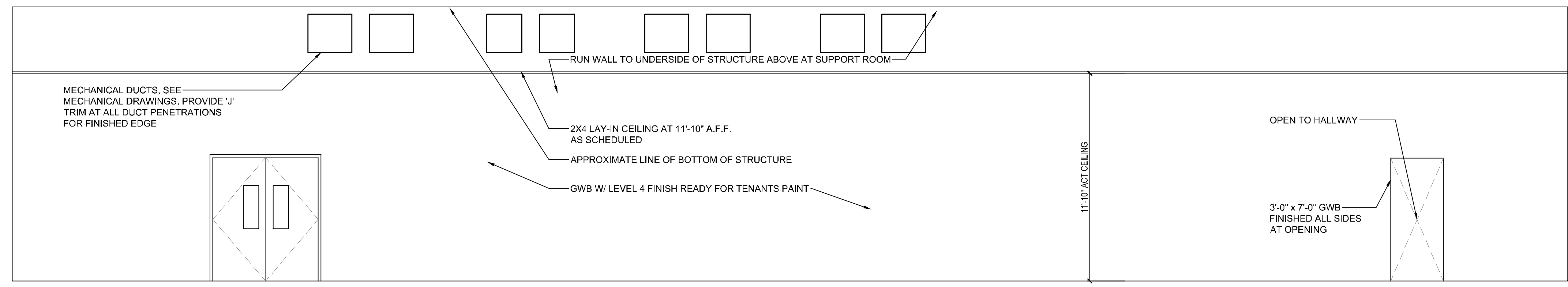
**4 SALES ELEVATION**  
SCALE: 1/4" = 1'-0" ENTRY WALL



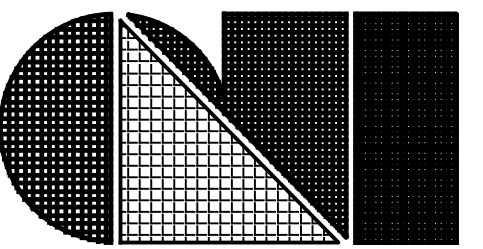
**3 SALES ELEVATION**  
SCALE: 1/4" = 1'-0" SIDE WALL



**2 SALES ELEVATION**  
SCALE: 1/4" = 1'-0" SIDE WALL



**1 SALES ELEVATION**  
SCALE: 1/4" = 1'-0" OFFICE/SUPPORT WALL



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
FAMILY DOLLAR  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
INTERIOR  
ELEVATIONS

Seal

05/03/22

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

Drawn By :  
J. ZINK

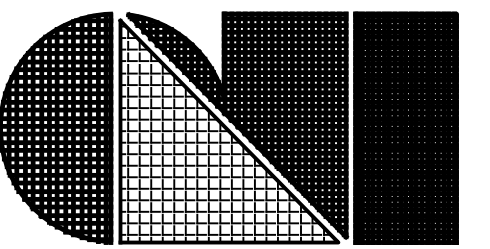
Checked By :  
D. MYERS

Revisions :


Date :  
05/03/22

Sheet No.

**A1.4**



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**OFFICE**  
**DETAILS**

Seal  
05/03/22

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

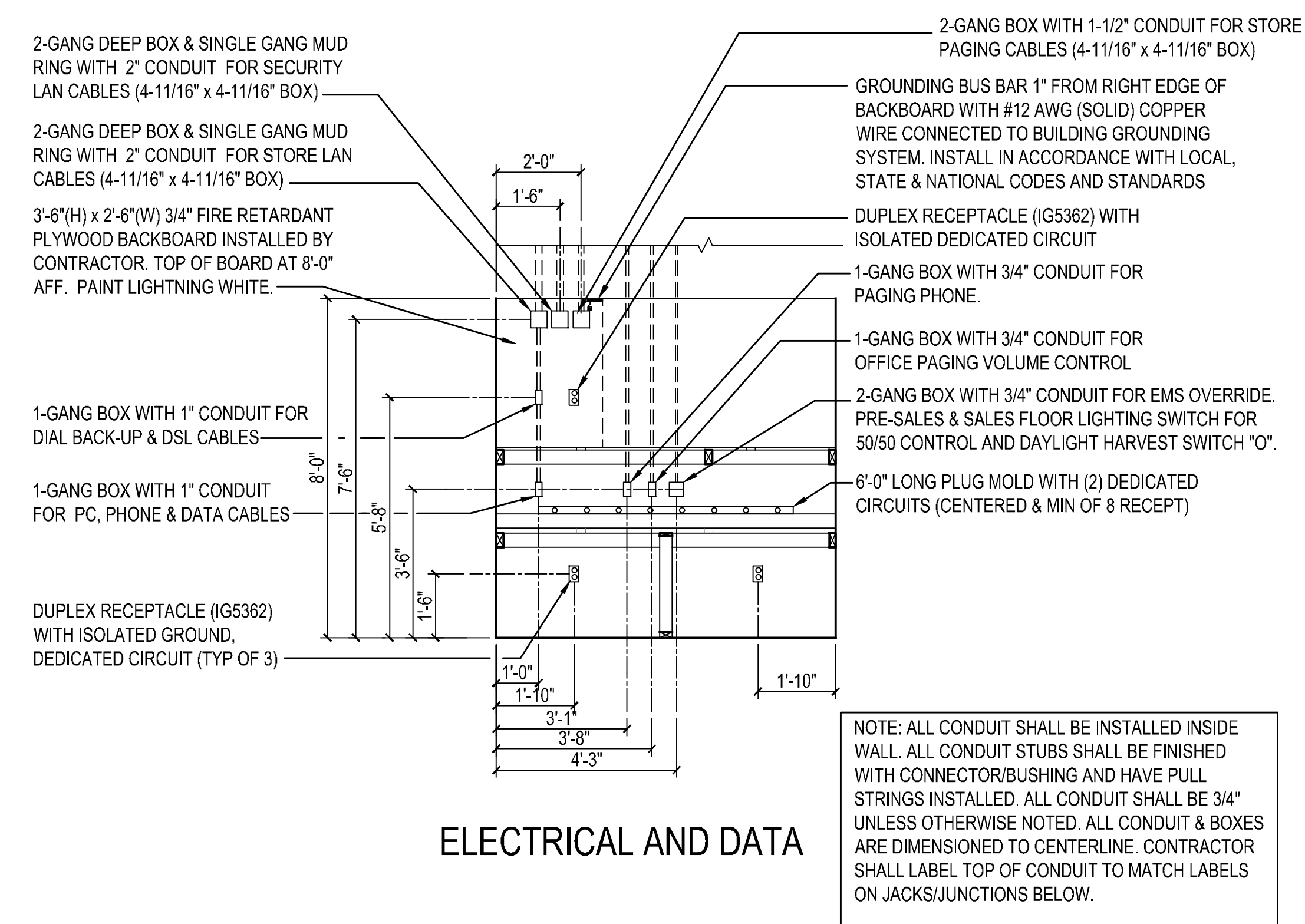
Drawn By :  
J. ZINK

Checked By :  
D. MYERS

Revisions :  

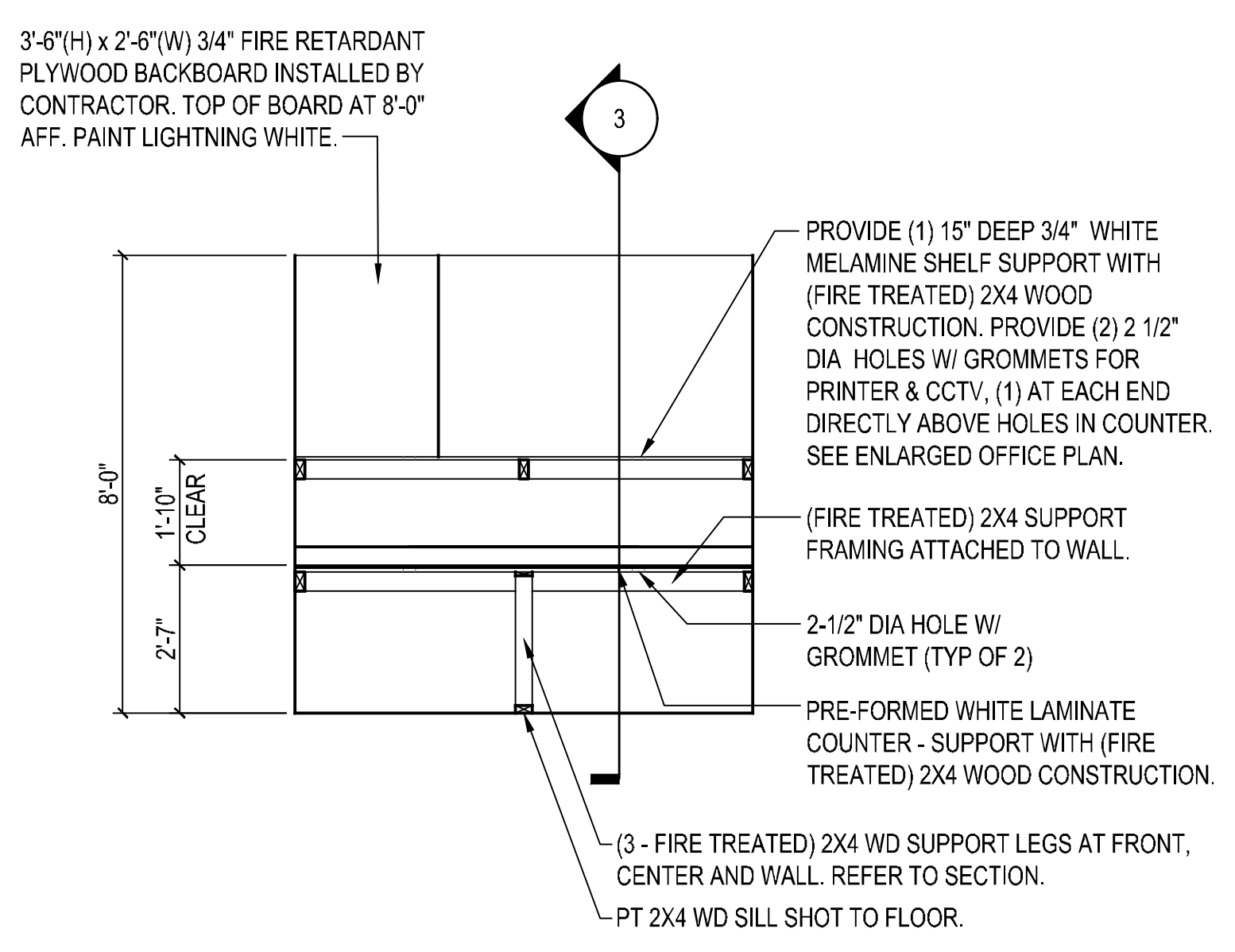

Date :  
05/03/22

Sheet No.

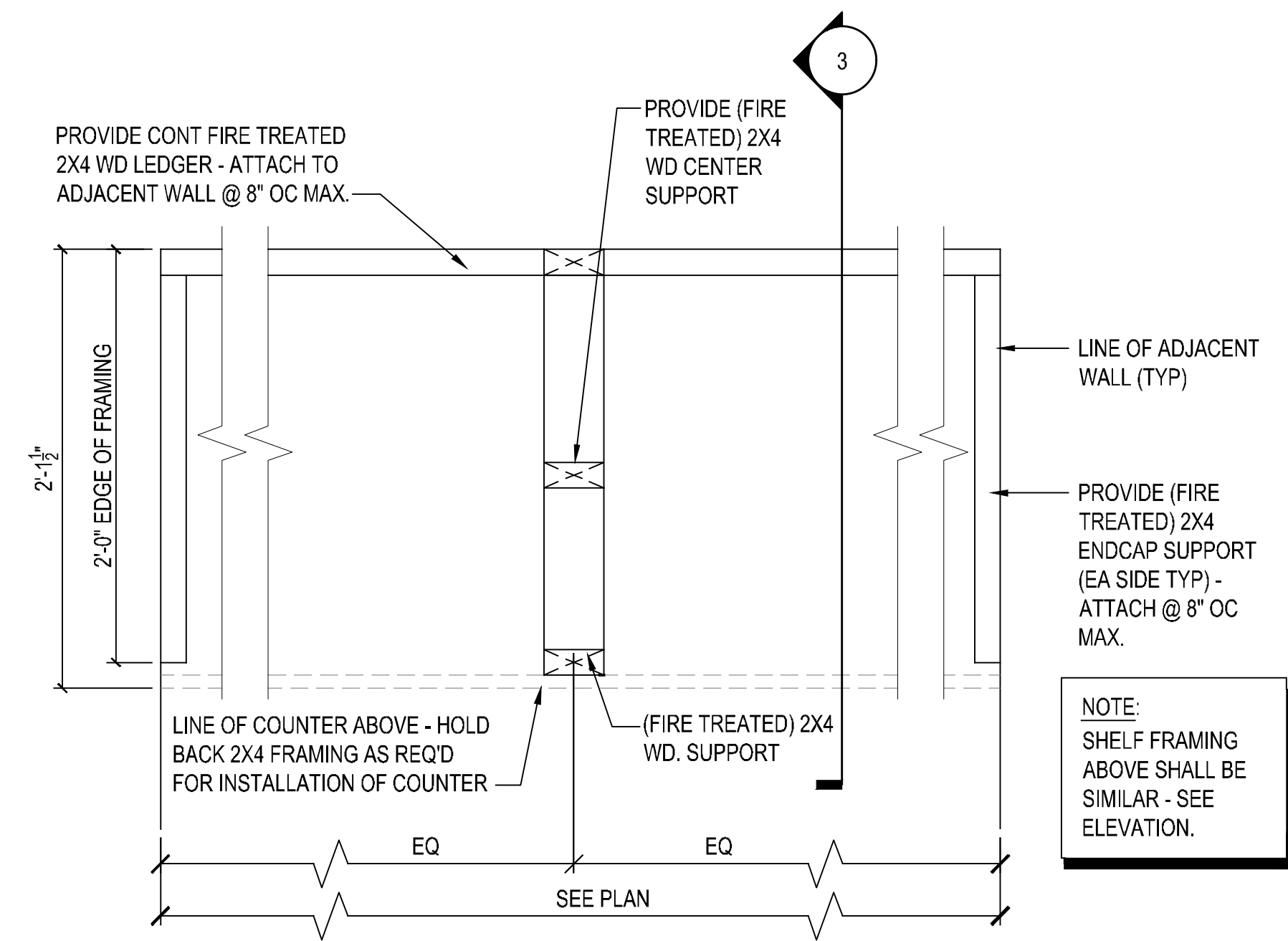


**ELECTRICAL AND DATA**

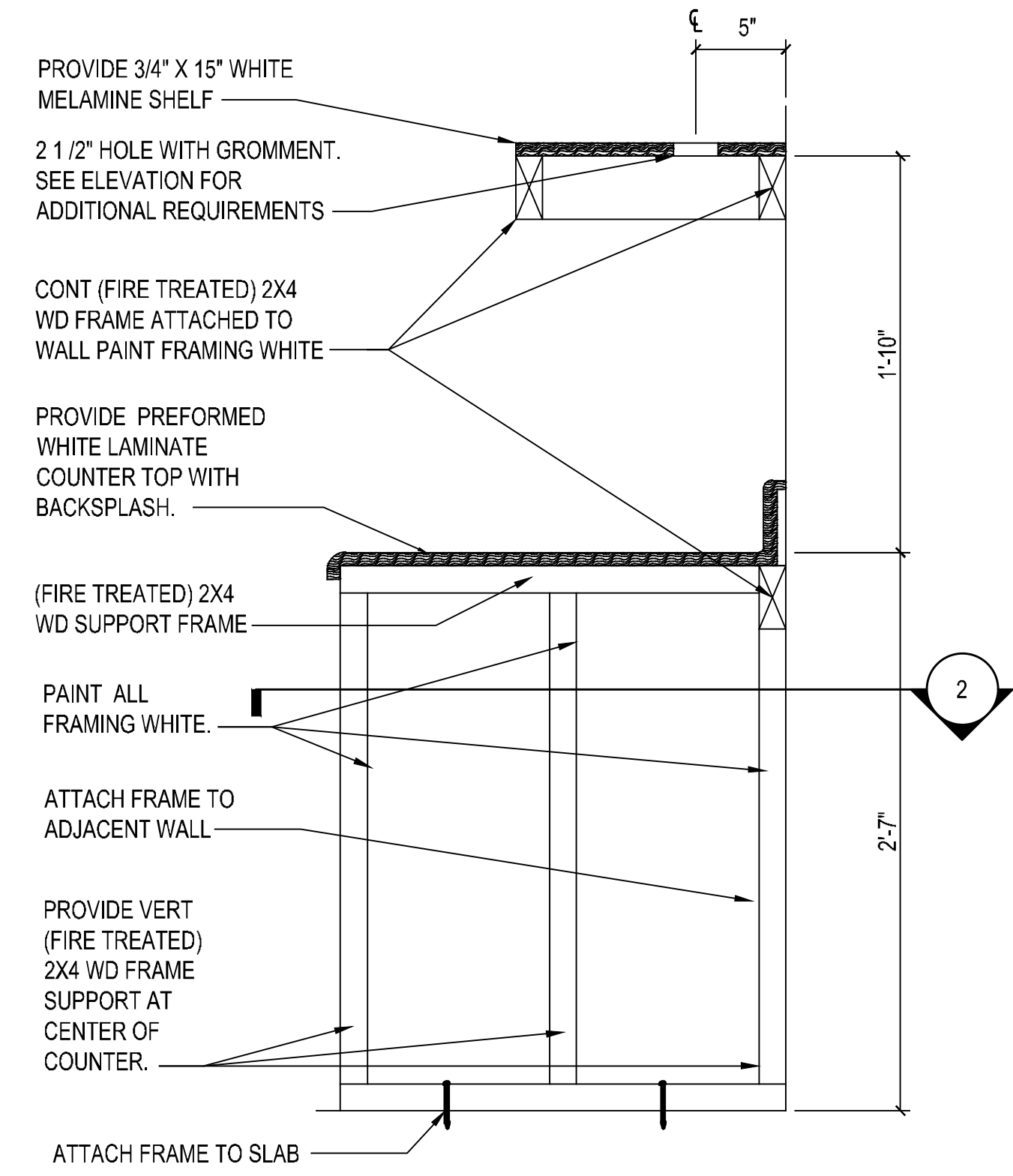
**1 OFFICE ELEVATION**  
SCALE: 3/8"=1'-0"



**FINISHES, SHELVING AND CONSTRUCTION**



**2 OFFICE DETAIL**  
SCALE: 1 1/2"=1'-0"

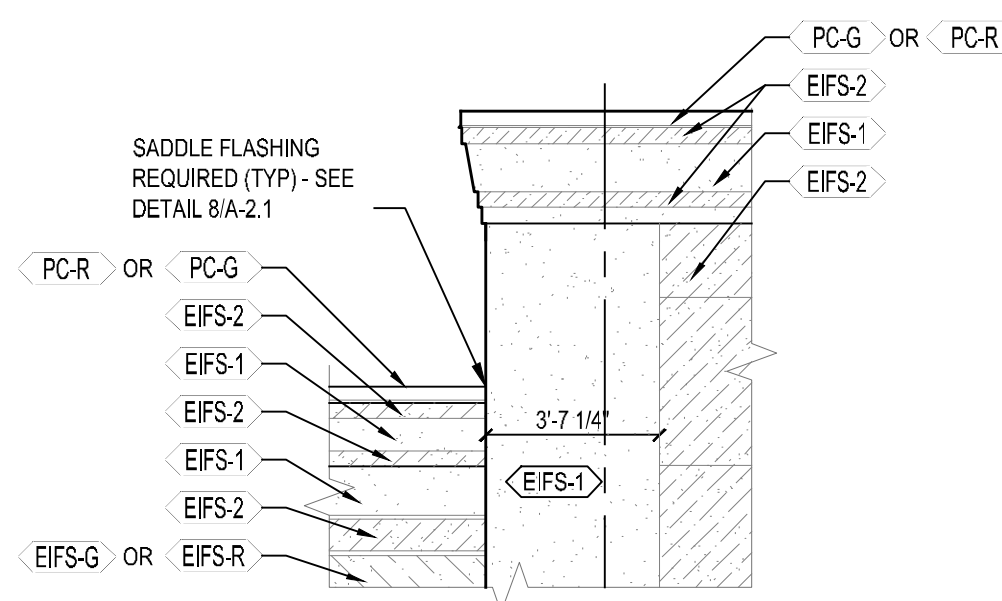


**3 OFFICE DETAIL**  
SCALE: 1 1/2"=1'-0"

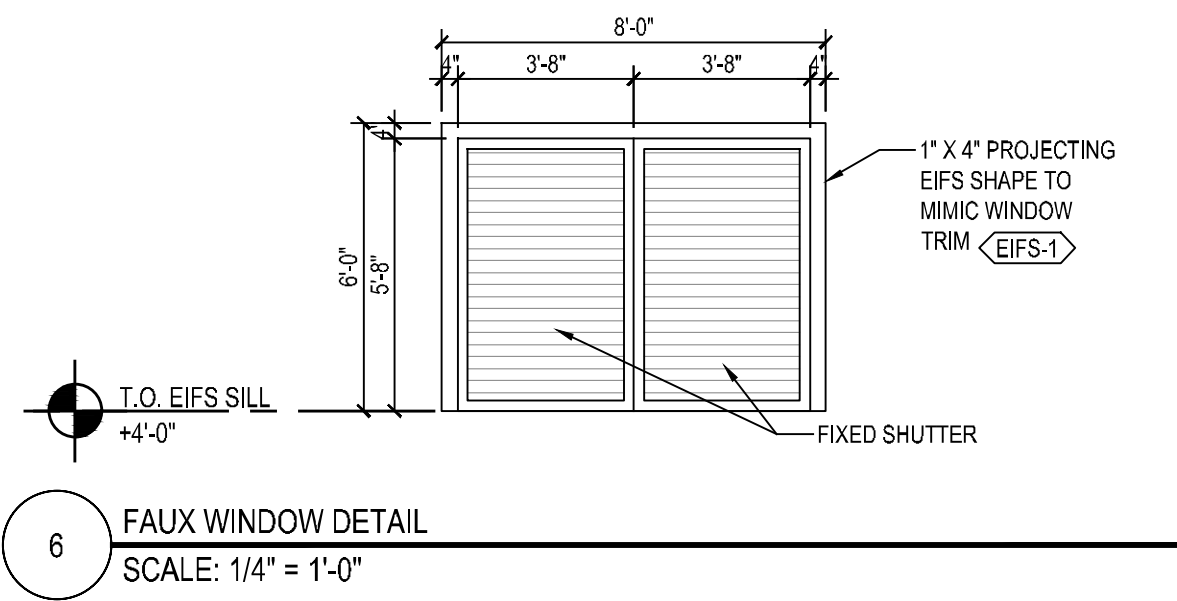
# ELEVATION LEGEND

KEYNOTE	HATCH	DESCRIPTION	COLOR
SP-RB	[Hatch]	SPLIT FACED CMU VENEER - RUNNING BOND	SHERWIN WILLIAMS - 'VIRTUAL TAUPE' - SW7039
EIFS-1	[Hatch]	EIFS - COLOR 1 (FINISH - PRODUCT STO 310)	STO 'SANDSTONE' 93860 (NA10-0052)
EIFS-2	[Hatch]	EIFS - COLOR 2 (FINISH - PRODUCT STO 310)	STO 'SMOKED PUTTY' 93240 (NA10-0053)
EIFS-R	[Hatch]	EIFS - ACCENT COLOR (FINISH - PRODUCT STOLTIT 1300)	BENJAMIN MOORE 'FD SAFETY RED'
EIFS-G	[Hatch]	EIFS - ACCENT COLOR (FINISH - PRODUCT STOLTIT 1300)	SHERWIN WILLIAMS - 'ENVY' - SW6925
PNL-1	[Hatch]	1 1/4" 26 GAUGE MBCI PBR METAL WALL PANEL (PROVIDED BY METAL BUILDING MANF.)	MBCI SIGNATURE 200 - 'LIGHT STONE'
RF-1	[Hatch]	3"-24 GAUGE DOUBLE LOK METAL ROOF SYSTEM	MBCI SIGNATURE 200 - 'SOLAR WHITE'
SILL	[Hatch]	3 3/8" x 3 5/8" EIFS SILL W/ BEVEL - SEE DETAIL 7/A-2.1	STO 'SMOKED PUTTY' 93240 (NA10-0053)
PC-R	[Hatch]	24 GAUGE KYNAR COATED METAL COPING (PROVIDED BY METAL BUILDING MANF.)	BENJAMIN MOORE 'FD SAFETY RED'
PC-G	[Hatch]	24 GAUGE KYNAR COATED METAL COPING (PROVIDED BY METAL BUILDING MANF.)	SHERWIN WILLIAMS - 'ENVY' - SW6925
DNS	[Hatch]	PRE-FINISHED METAL DOWNSPOUT (SIZED & PROVIDED BY METAL BUILDING MANF.)	MBCI SIGNATURE 200 - 'LIGHT STONE'
GTR	[Hatch]	PRE-FINISHED METAL GUTTER (SIZED & PROVIDED BY METAL BUILDING MANF.)	MBCI SIGNATURE 200 - 'LIGHT STONE'
DECK	[Hatch]	3'-0" METAL DECK CANOPY - HANGER ROD SUPPORTED W/ 8" FASCIA - SUPPLIED & INSTALLED BY SIGN VENDOR - GC TO PROVIDE & INSTALL WALL BOLTS (SEE A-4.0)	BENJAMIN MOORE 'FD SAFETY RED' / SHERWIN WILLIAMS - 'ENVY' - SW6925
SCNC	[Hatch]	WALL SCANCE @ 8'-8" A.F.F. (SEE ELECTRICAL)	BRZ - 'DARK BRONZE'
D&F	[Hatch]	STEEL DOOR & HOLLOW METAL FRAME	SHERWIN WILLIAMS 'BALANCED BEIGE' SW7037
A		STOREFRONT TYPE (REFER TO SHEET A3.0)	
300		DOOR NUMBER (REFER TO SHEET A1.0)	

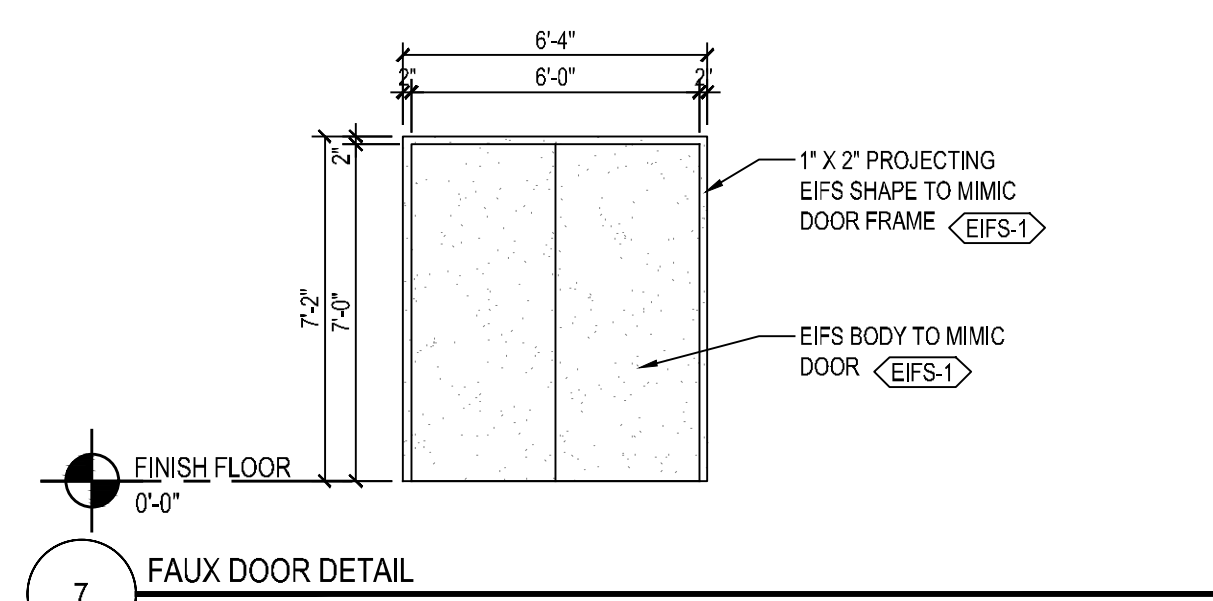
**PAINTING NOTE:**  
 PRIOR TO PAINTING EIFS, GC SHALL OBTAIN A COPY OF THE DOLLAR TREE / FAMILY DOLLAR APPROVED PROJECT RENDERING TO CONFIRM COLORS AND LOCATION OF COLORS. CONTACT LANDLORD OR FAMILY DOLLAR PROJECT MANAGER LISTED ON SHEET T1.0 TO OBTAIN A COPY OF RENDERING.



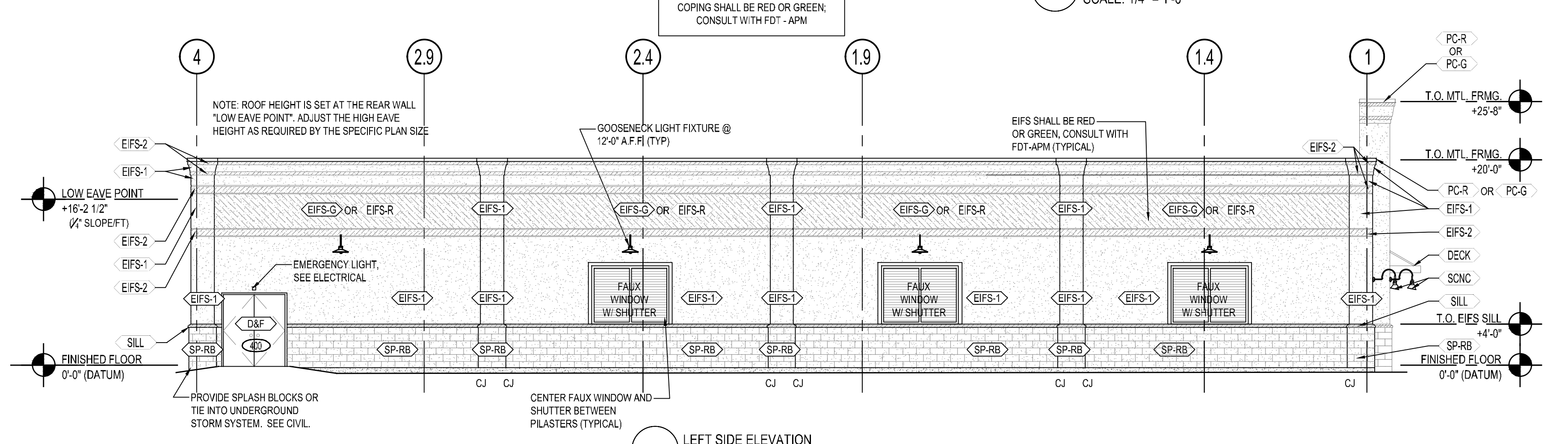
5 ENLARGED ELEVATION  
 SCALE: 1/4" = 1'-0"



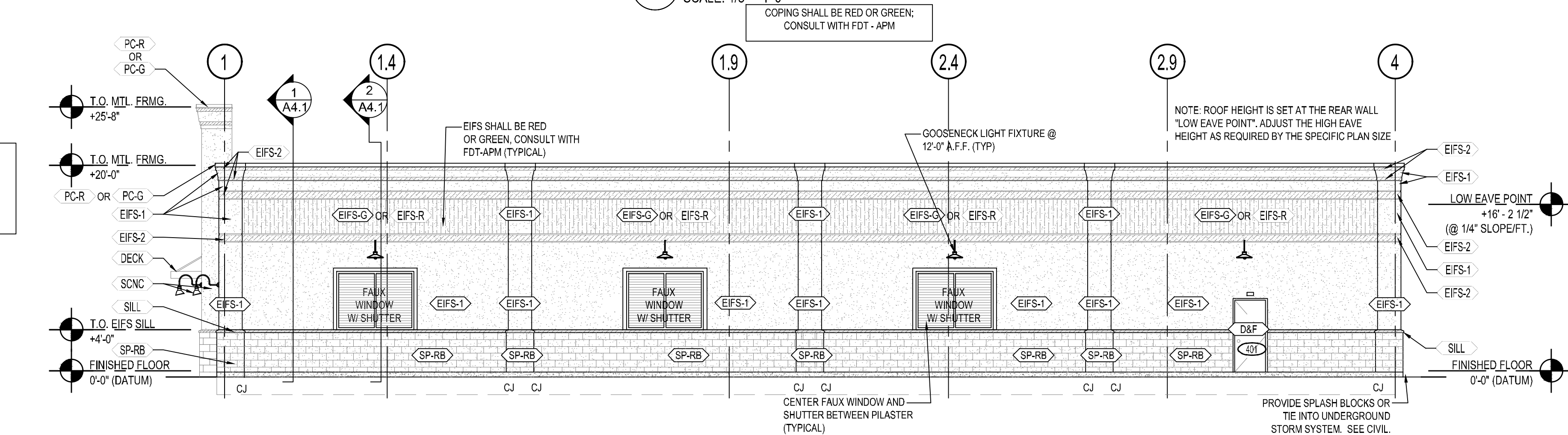
6 FAUX WINDOW DETAIL  
 SCALE: 1/4" = 1'-0"



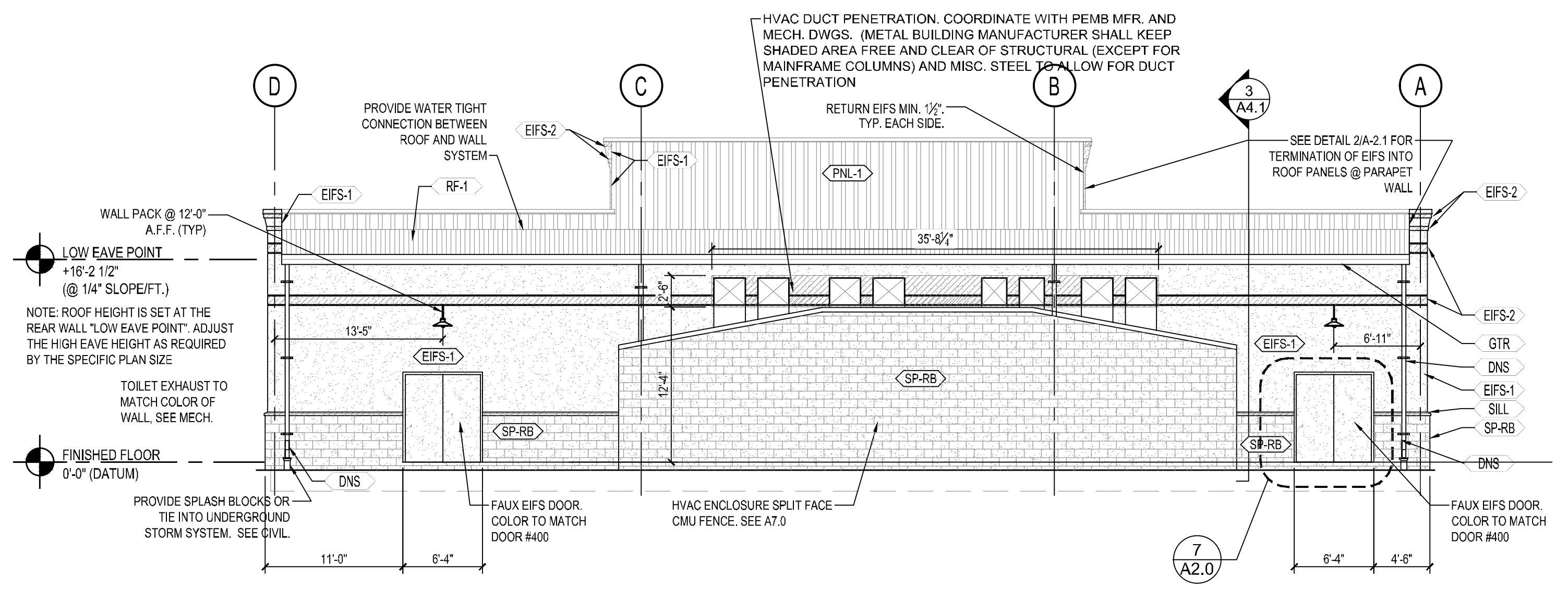
7 FAUX DOOR DETAIL  
 SCALE: 1/4" = 1'-0"



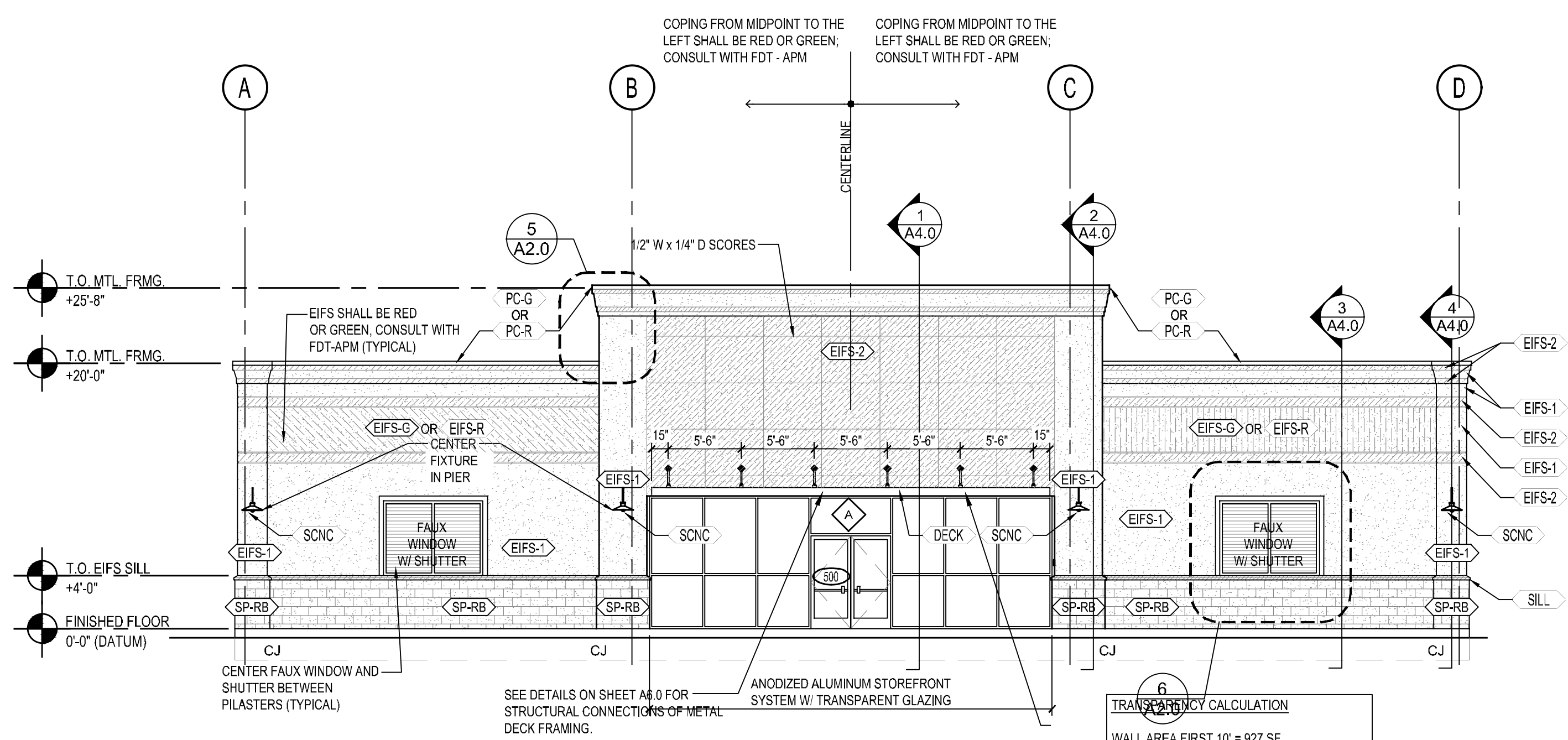
3 LEFT SIDE ELEVATION  
 SCALE: 1/8" = 1'-0"



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



4 REAR ELEVATION  
 SCALE: 1/8" = 1'-0"



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

TRANSPARENCY CALCULATION  
 WALL AREA FIRST 10' = 927 SF  
 30% TRANSPARENCY REQ'D = 278 SF  
 32.8% TRANSPARENCY PROVIDED = 303 SF

**C.L. Helt, Architect Inc.**  
 6405 WILKINSON BLVD  
 SUITE 100  
 BELMONT, NC 28012  
 Ph. 704-342-1686  
 Fx. 704-343-0054  
 EMAIL: INFO@CLHELTT.COM

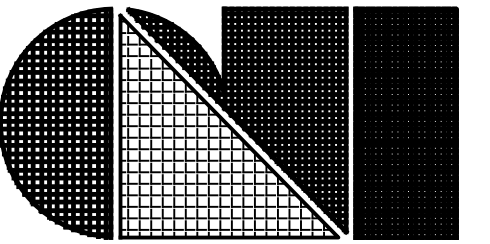
ARCHITECT'S PROJECT # 21112  
**Project :** FAMILY DOLLAR FOR STOCKS & TAYLOR CONSTRUCTION INC.  
 HWY 168  
 CURRITUCK, NC  
 2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**ELEVATIONS**

Seal  
 05/03/22  
  
 C. HELT ARCHITECT INC.  
 50047  
 NORTH CAROLINA  
 CHARLOTTE, NC

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT  
 Drawn By : J. ZINK  
 Checked By : D. MYERS  
 Revisions :  
 Date : 05/03/22

Sheet No. **A2.0**



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph: 704-342-1686  
Fx: 704-343-0054  
EMAIL: INFO@CLHELT.COM

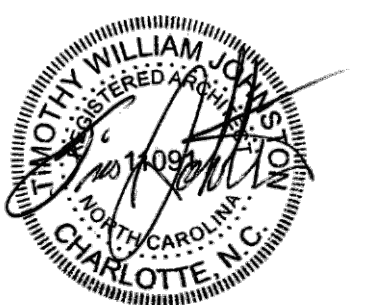
ARCHITECT'S PROJECT # 21112

**Project :** FAMILY DOLLAR  
FOR STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 RURAL V8 PROTOTYPE

**Sheet Description :**  
EIFS DETAILS

Seal

05/03/22



THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C.L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

Drawn By:  
J. ZINK

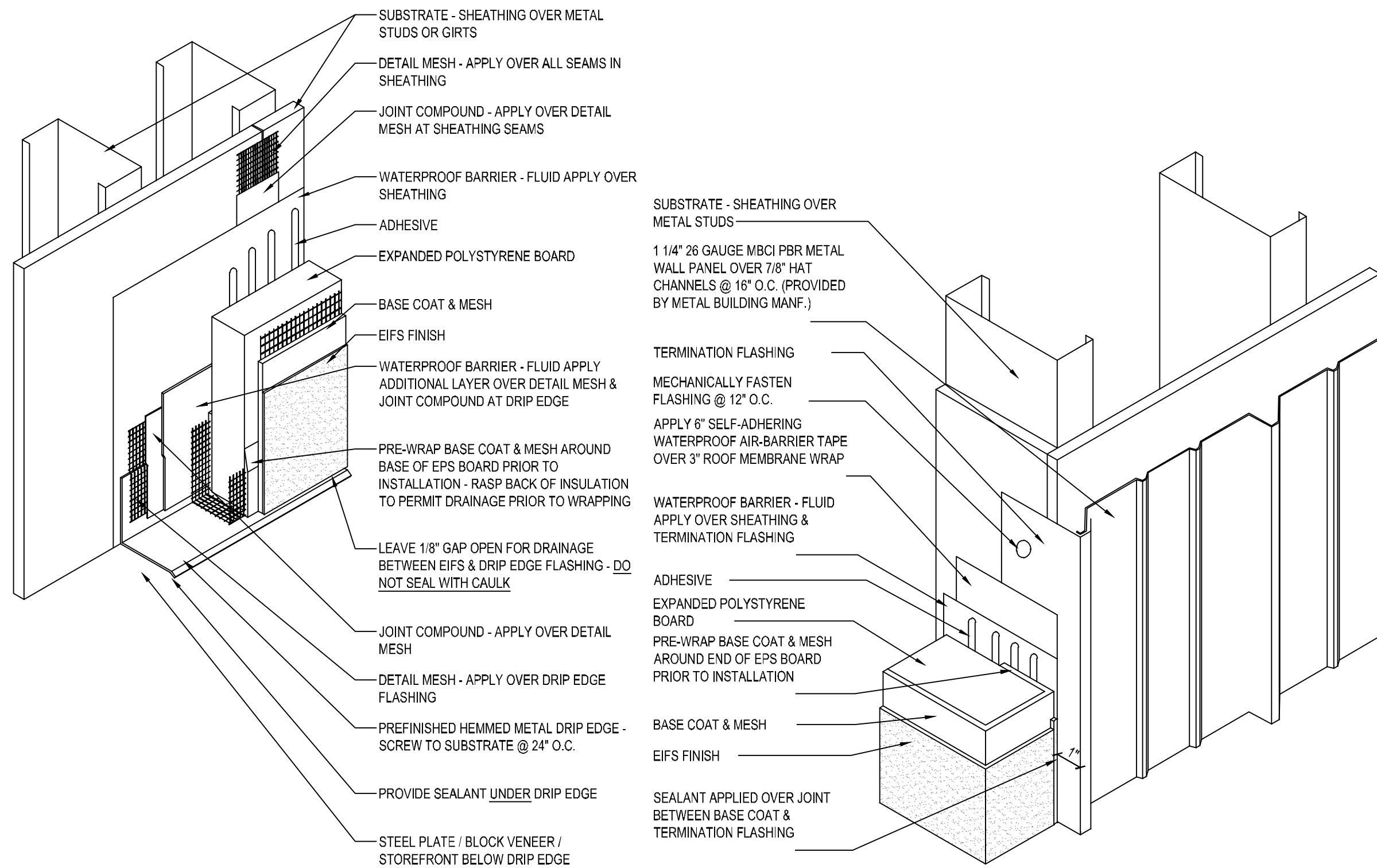
Checked By:  
D. MYERS

Revisions:

Date:  
05/03/22

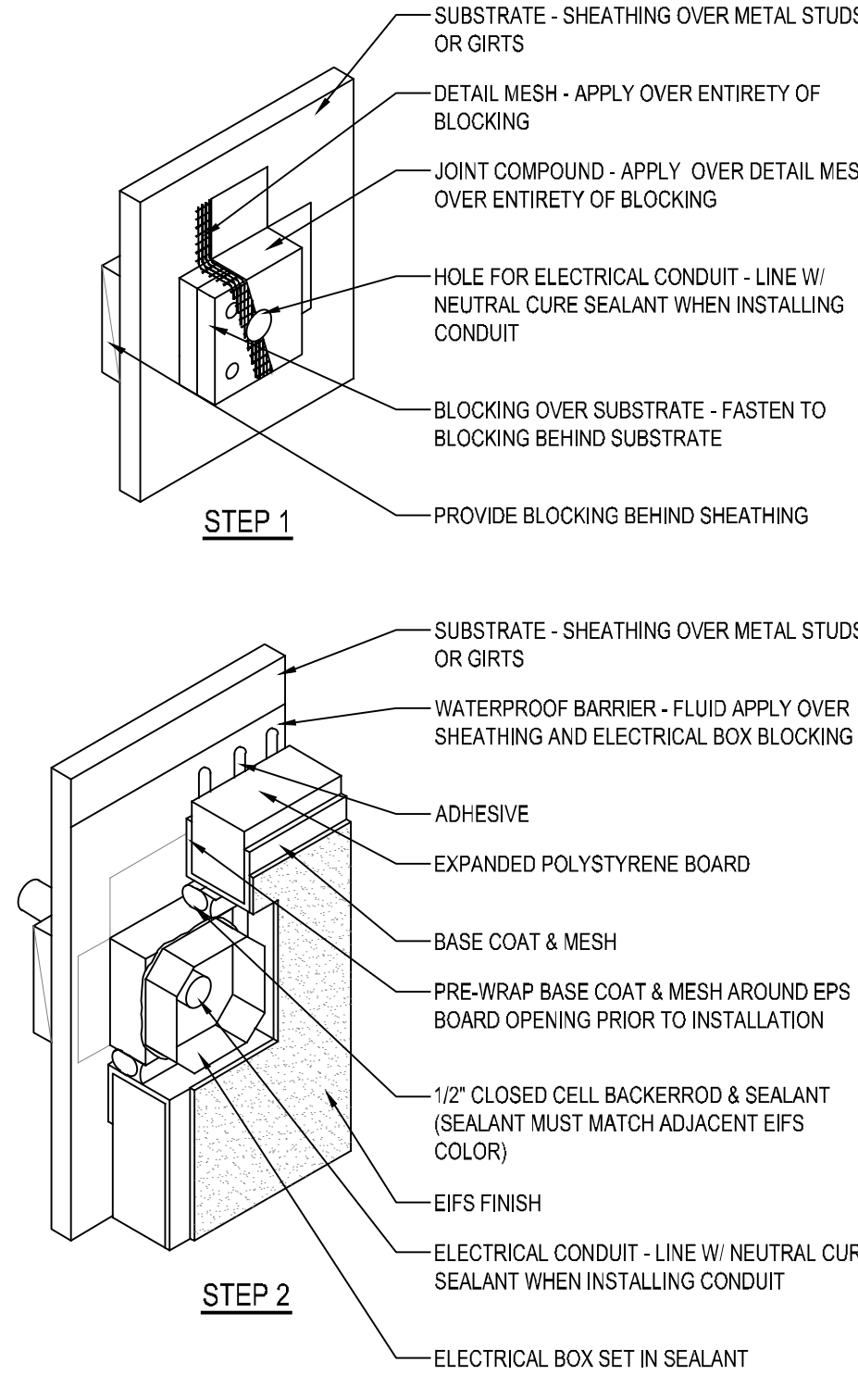
Sheet No.

A2.1

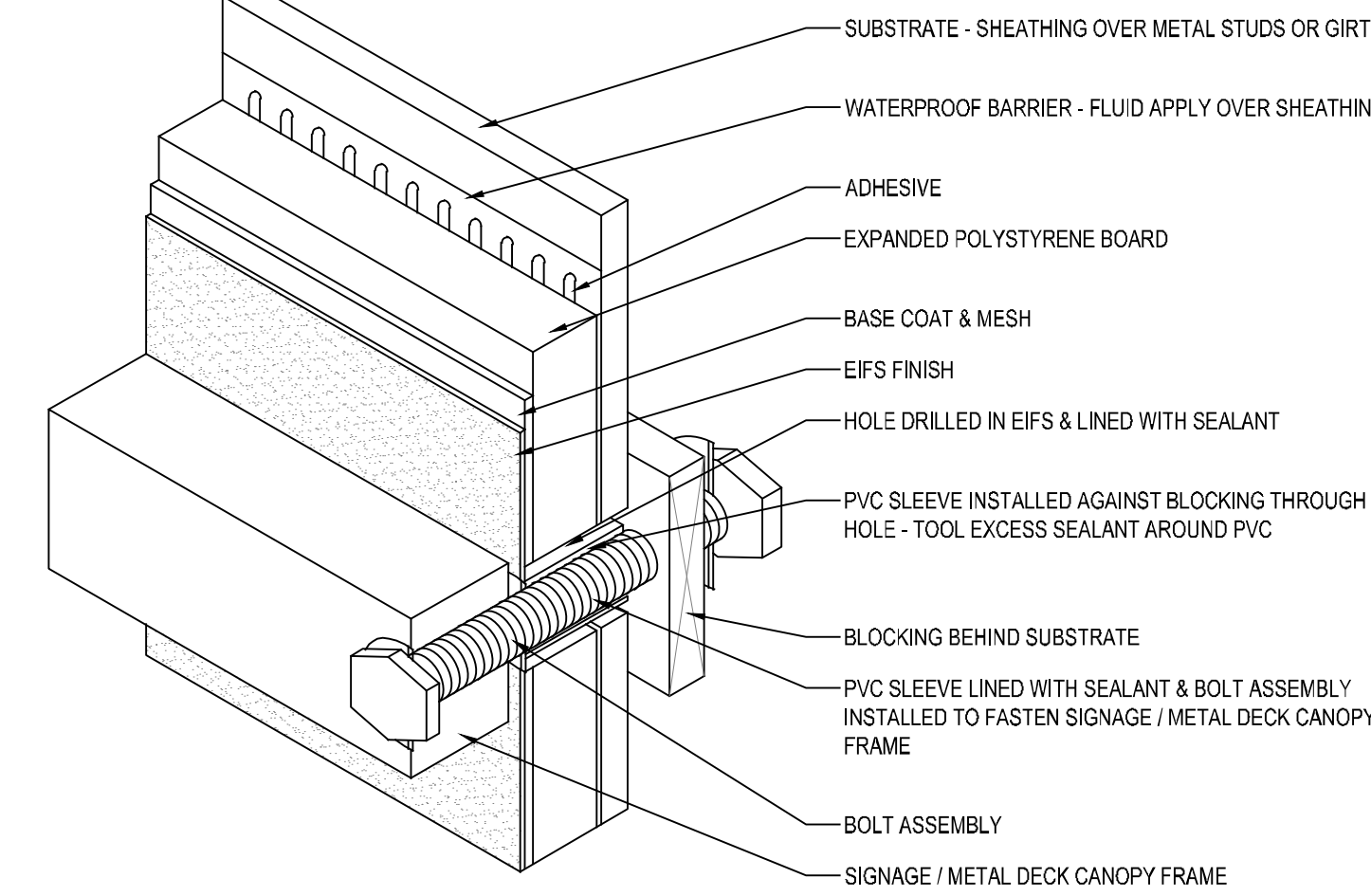


1 EIFS DRIP EDGE / ATTACHMENT  
SCALE: NOT TO SCALE

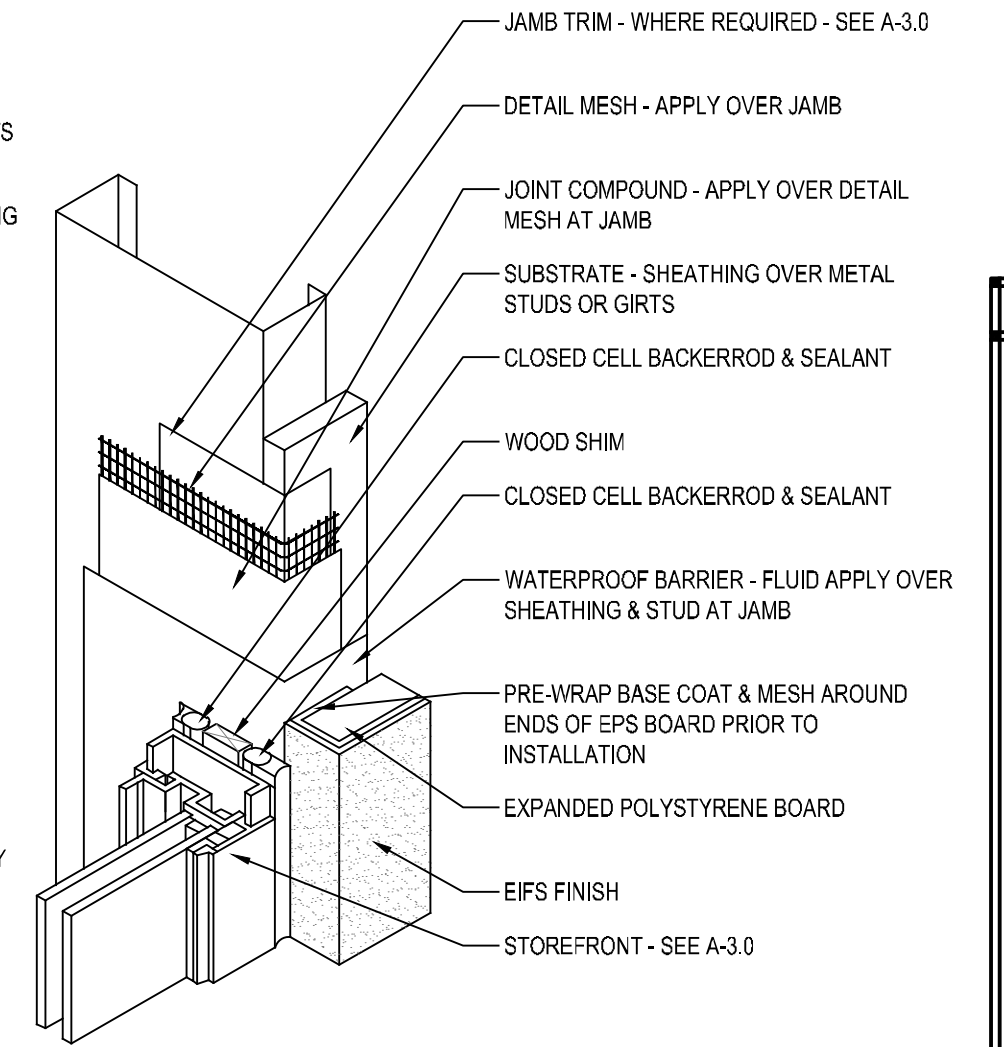
2 EIFS TERMINATION DETAIL  
SCALE: NOT TO SCALE



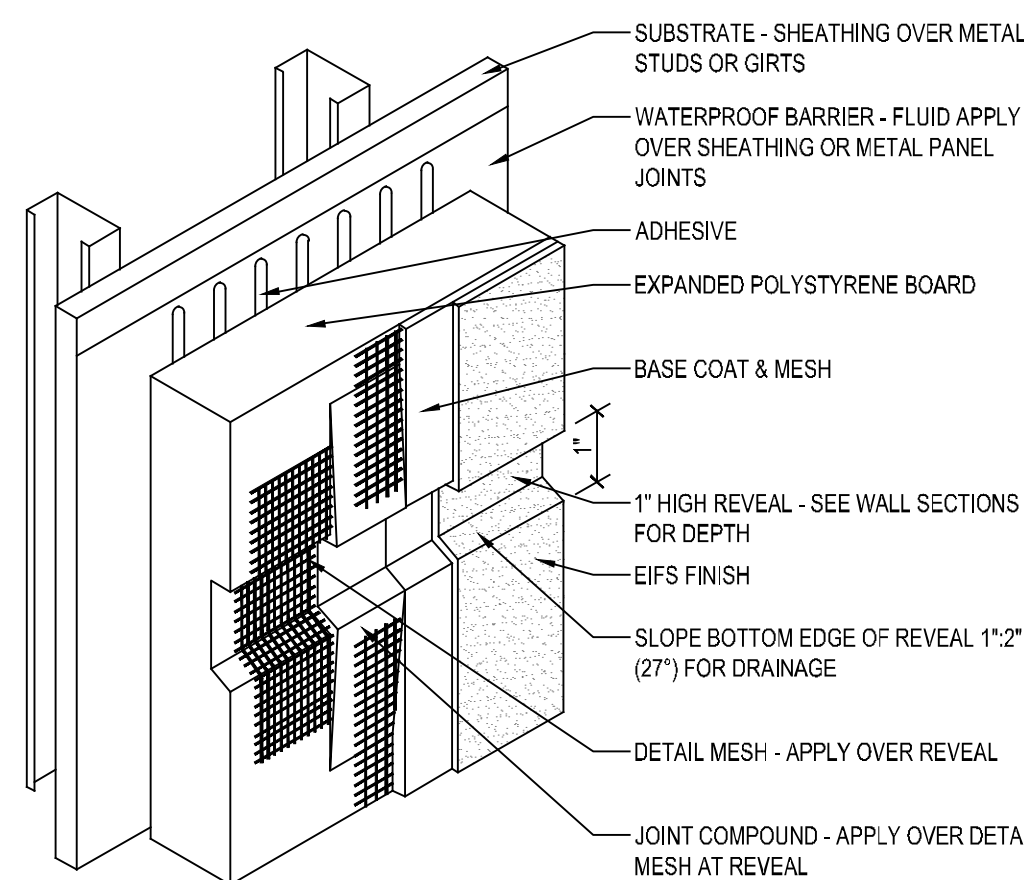
3 EIFS ELECTRICAL BOX DETAIL  
SCALE: NOT TO SCALE



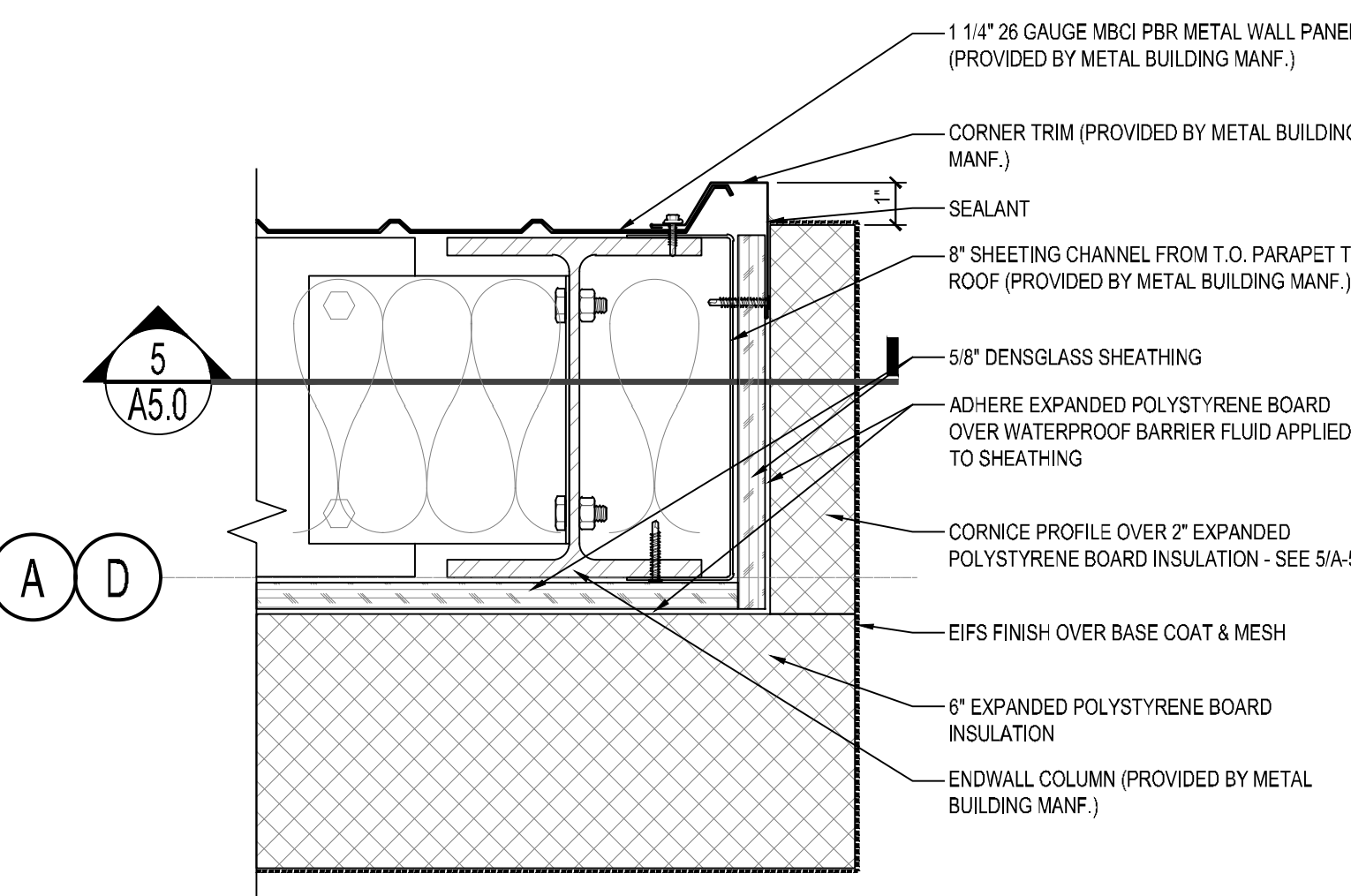
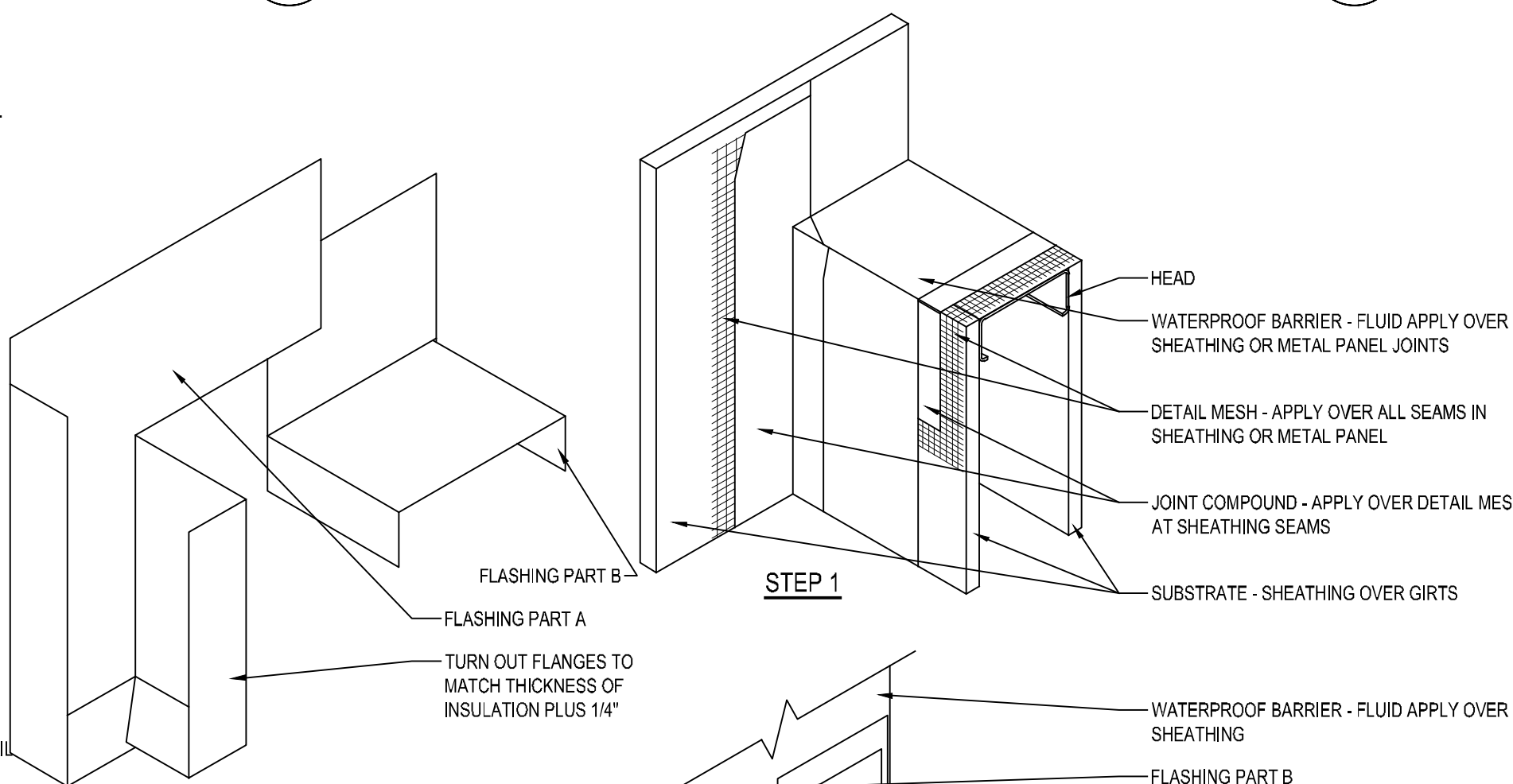
4 EIFS SIGN/METAL DECK CANOPY ANCHORAGE DETAIL  
SCALE: NOT TO SCALE



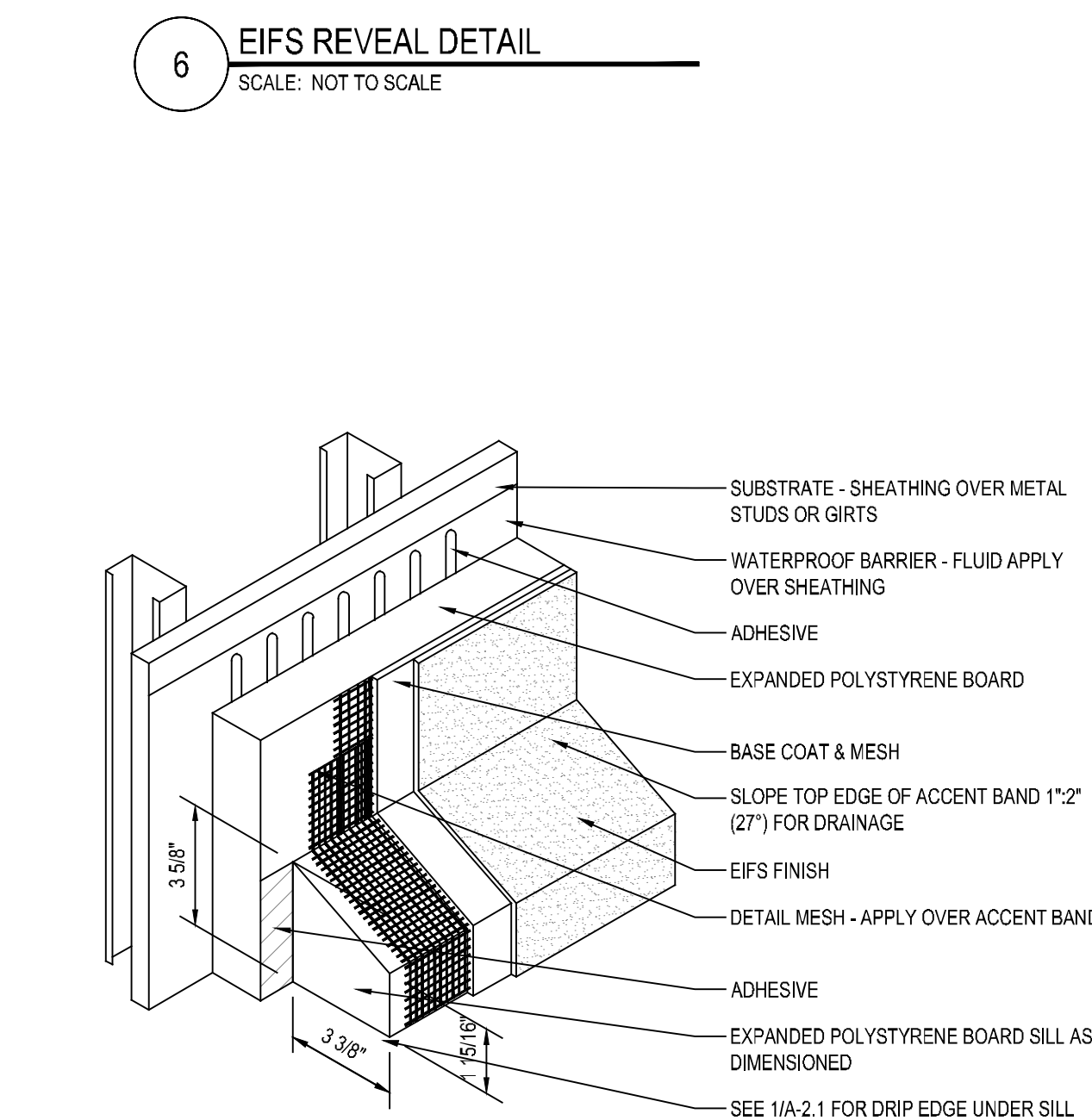
5 EIFS JAMB DETAIL  
SCALE: NOT TO SCALE



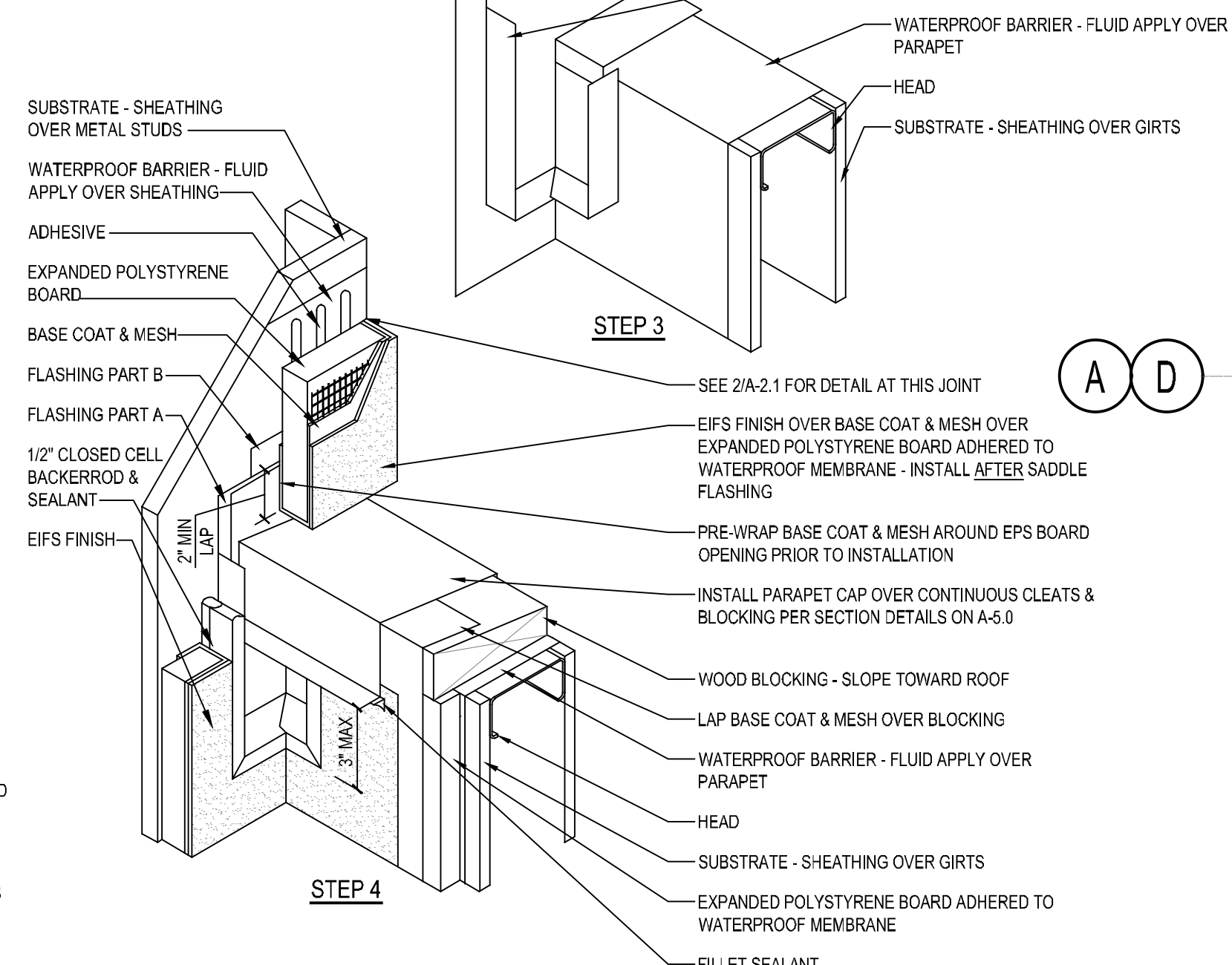
6 EIFS REVEAL DETAIL  
SCALE: NOT TO SCALE



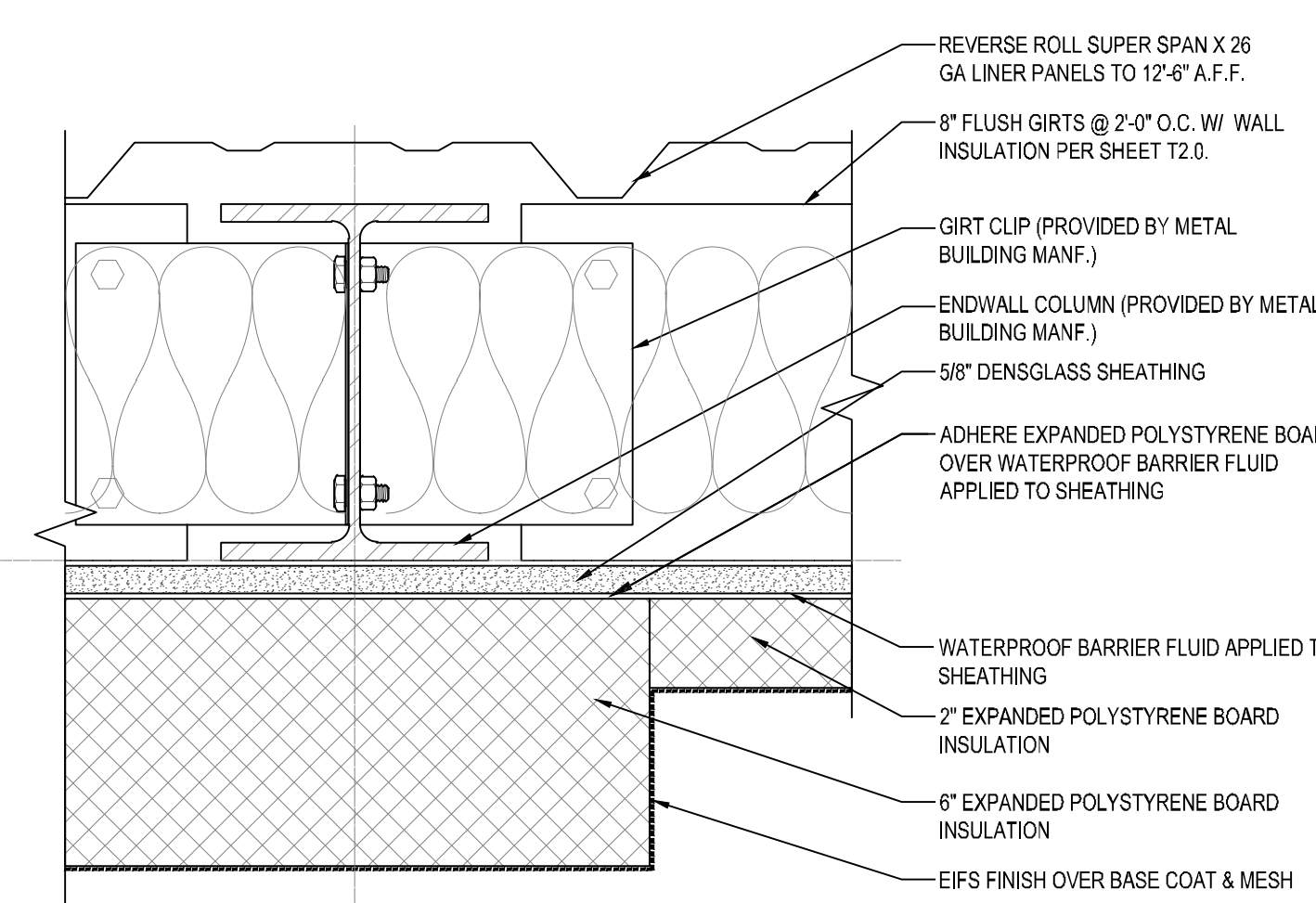
9 EIFS TERMINATION DETAIL  
SCALE: 3" = 1'-0"



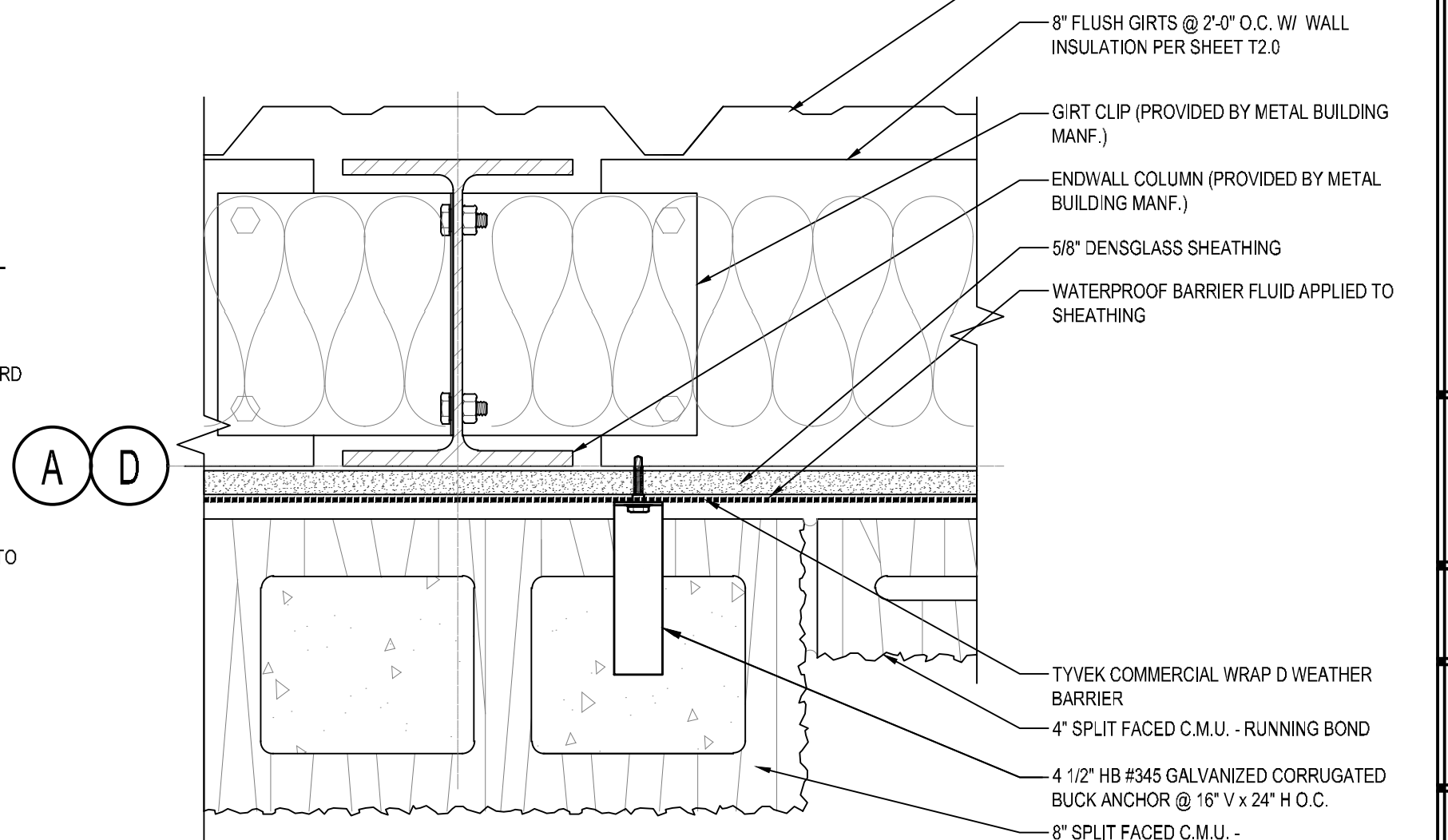
7 EIFS SILL DETAIL  
SCALE: NOT TO SCALE



8 EIFS SADDLE FLASHING & PARAPET CAP DETAIL  
SCALE: NOT TO SCALE



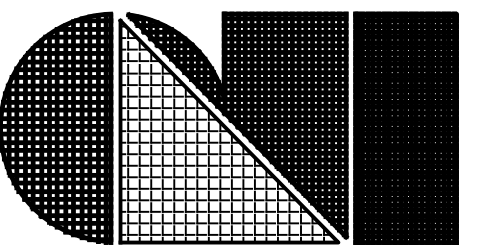
10 EIFS TERMINATION DETAIL  
SCALE: NOT TO SCALE



11 BLOCK TERMINATION DETAIL  
SCALE: NOT TO SCALE

EIFS NOTE:

FOR EPS INSULATION THICKNESS GREATER THAN 4" CONTACT EIFS SYSTEM MANUFACTURER FOR ADDITIONAL REQUIREMENTS AND SPECIFICATIONS.



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
FAMILY DOLLAR  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 RURAL VB PROTOTYPE

**Sheet Description :**  
STOREFRONT  
ELEVATIONS  
& DETAILS

Seal

05/03/22



THIS DRAWING AND ITS COPIES ARE THE  
COPYRIGHT OF THE ARCHITECT. THEY MAY NOT  
BE USED FOR PROJECTS OTHER THAN THE  
DESIGNATED PROJECT WITHOUT THE SPECIFIC  
WRITTEN APPROVAL OF C.L. HELT ARCHITECT  
INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

Drawn By :

J. ZINK

Checked By :

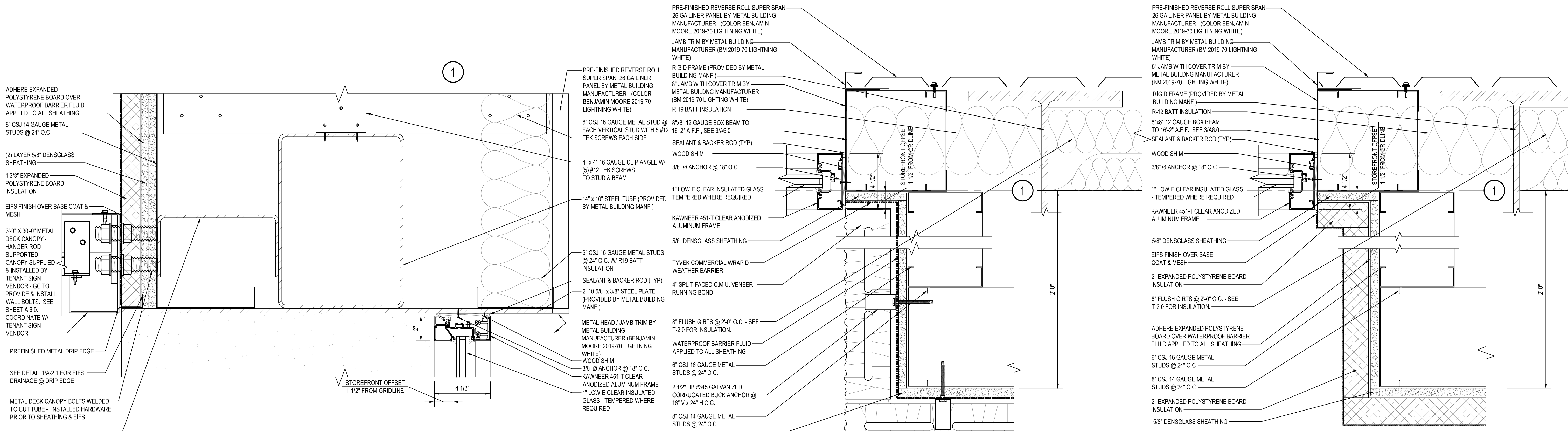
D. MYERS

Revisions :

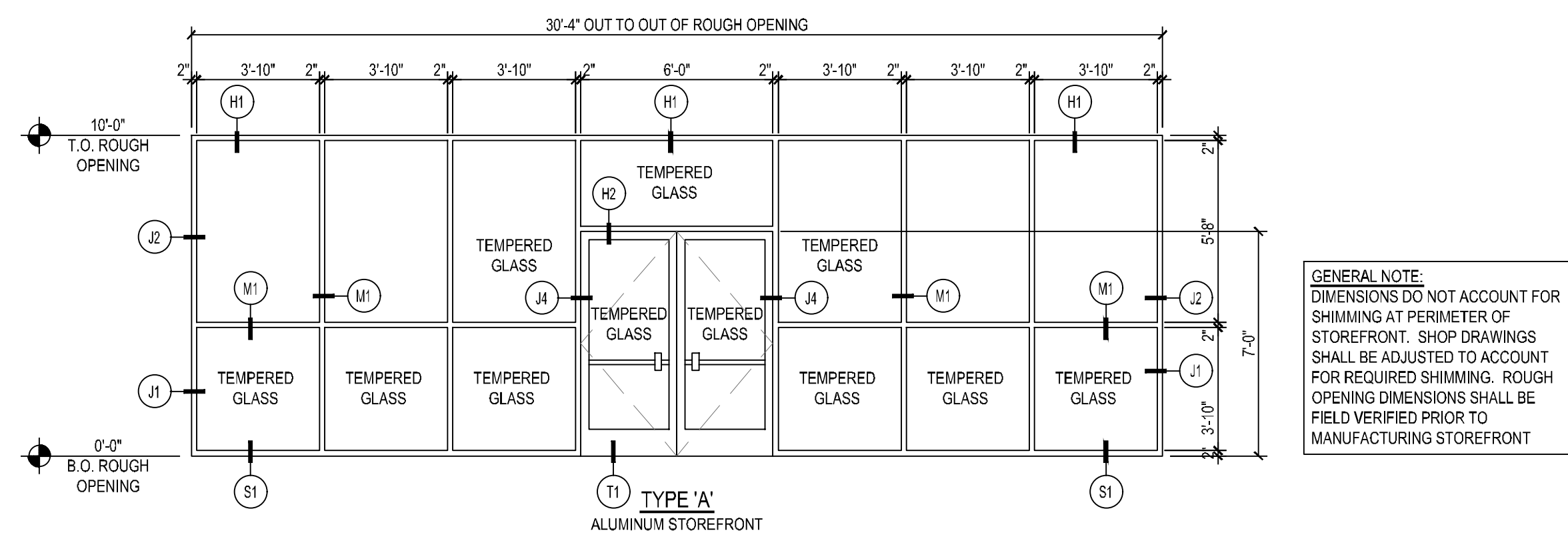
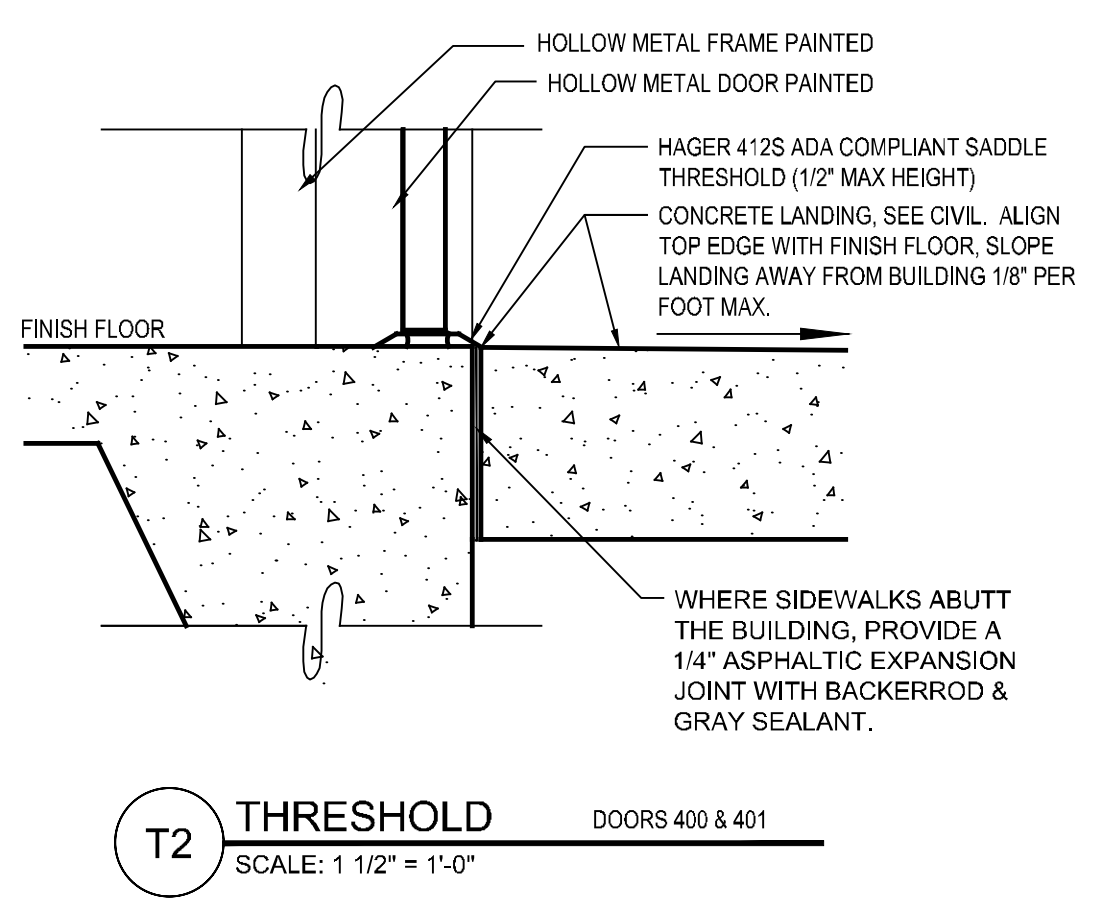
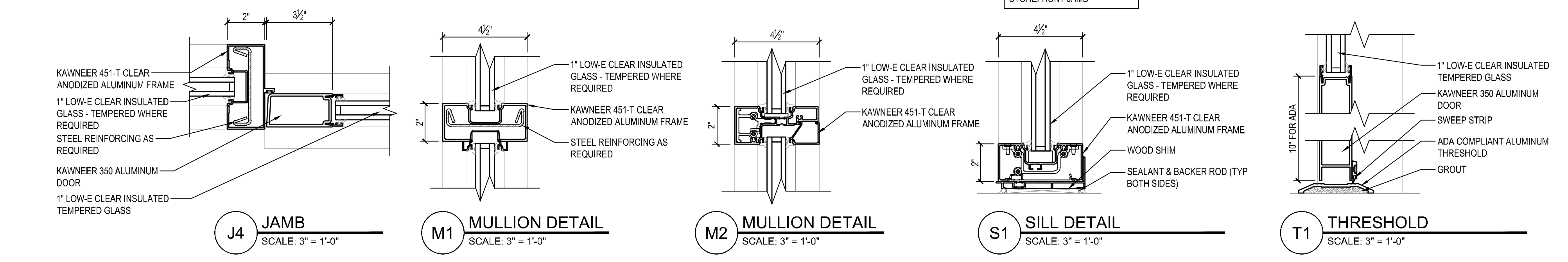
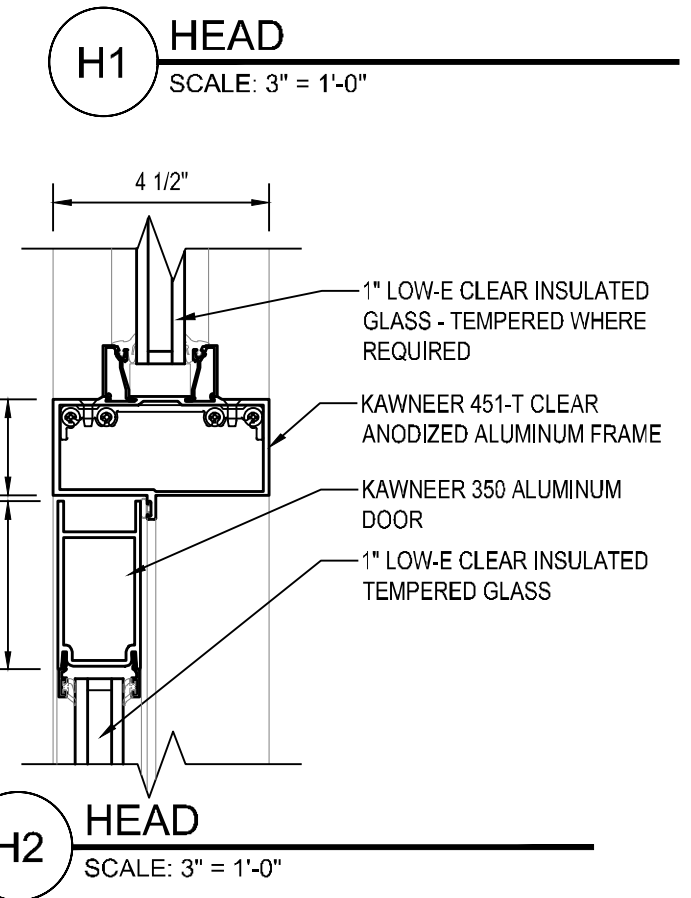
Date :

05/03/22

Sheet No.



- NOTES:**
1. PRIOR TO METAL BUILDING FABRICATION, GC SHALL OBTAIN A COPY OF CANOPY SHOP DRAWINGS FROM TENANT (FAMILY DOLLAR) SIGN VENDOR AND PROVIDE TO METAL BUILDING MANUFACTURER. COORDINATE BOLT REQUIREMENTS WITH TENANT SIGN VENDOR.
  2. SEE SHEET A6.0 FOR STRUCTURAL CONNECTIONS OF METAL DECK CANOPY & BACKUP FRAMING
  3. LANDLORD GC IS RESPONSIBLE FOR PROVIDING ANCHOR BOLTS FOR FUTURE CANOPY ATTACHMENT.
  4. ALL HARDWARE FOR THE CANOPY MUST BE SET PRIOR TO INSTALLATION OF EXTERIOR SHEATHING

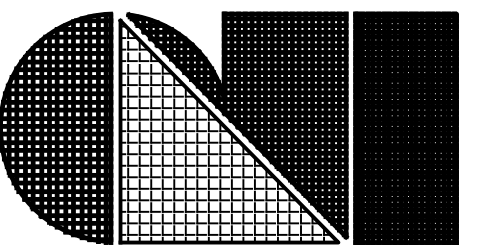


**GENERAL NOTE:**  
DIMENSIONS DO NOT ACCOUNT FOR SHIMMING AT PERIMETER OF STOREFRONT. SHOP DRAWINGS SHALL BE ADJUSTED TO ACCOUNT FOR REQUIRED SHIMMING. ROUGH OPENING DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO MANUFACTURING STOREFRONT

**1 STOREFRONT ELEVATIONS**  
SCALE: 1/4" = 1'-0"

STOREFRONT SCHEDULE						
MARK	QTY.	MANUFACTURER	FINISH	GLASS		
				TYPE	INTERIOR PANE	EXTERIOR PANE
A	1	KAWNEER 451T (OR EQUAL)	CLEAR ANODIZED	1" INSULATED	1/2" CLEAR FLOAT	1/2" CLEAR FLOAT W/ LOW-E COATING

GLAZING PERFORMANCE VALUES  
U-FACTOR = 0.5  
SHGC = 0.37



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
FAMILY DOLLAR  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
BUILDING SECTION &  
DETAILS

Seal

05/03/22

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

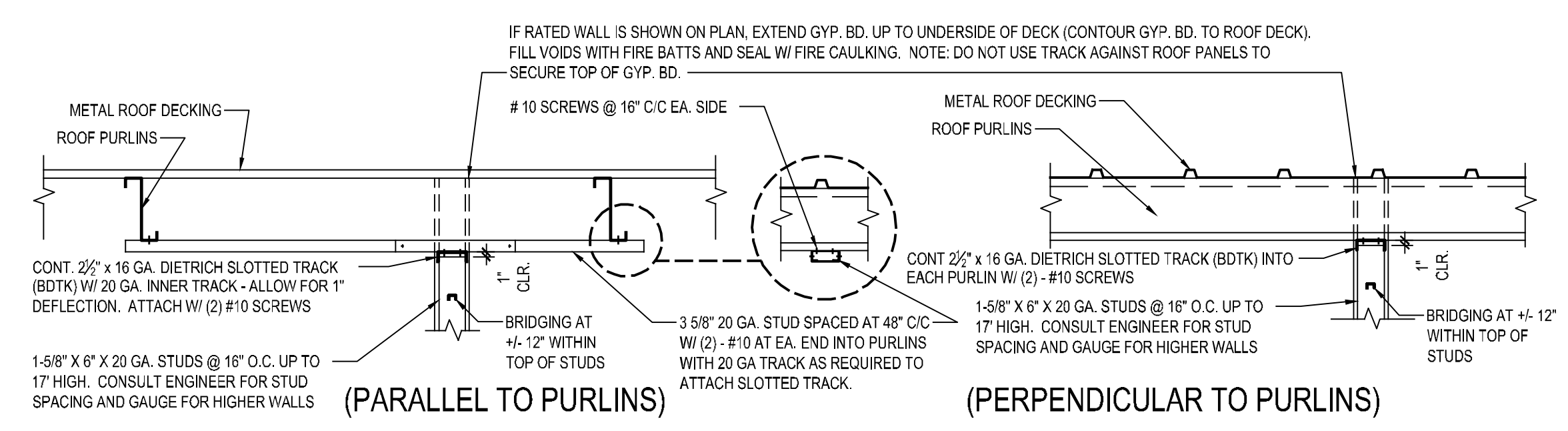
Drawn By:  
J. ZINK

Checked By:  
D. MYERS

Revisions:


Date: 05/03/22

Sheet No.

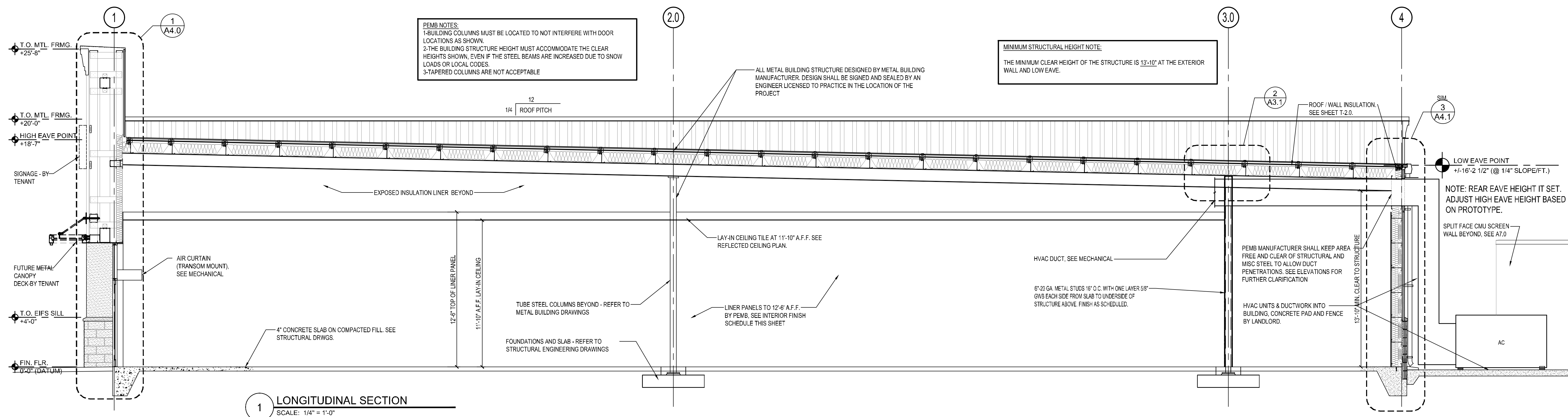


**2 WALL BRACING DETAILS**  
SCALE: 3/4" = 1'-0"

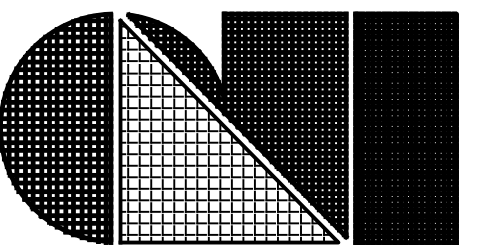
- NOTES:
1. PRIOR TO METAL BUILDING FABRICATION, GC SHALL OBTAIN A COPY OF CANOPY SHOP DRAWINGS FROM TENANT (FAMILY DOLLAR) SIGN VENDOR AND PROVIDE TO METAL BUILDING MANUFACTURER. COORDINATE BOLT REQUIREMENTS WITH TENANT SIGN VENDOR.
  2. LANDLORD GC IS RESPONSIBLE FOR PROVIDING ANCHOR BOLTS FOR FUTURE CANOPY ATTACHMENT.
  3. ALL HARDWARE FOR THE CANOPY MUST BE SET PRIOR TO INSTALLATION OF EXTERIOR SHEATHING

PEMB NOTES:  
1-BUILDING COLUMNS MUST BE LOCATED TO NOT INTERFERE WITH DOOR LOCATIONS AS SHOWN.  
2-THE BUILDING STRUCTURE HEIGHT MUST ACCOMMODATE THE CLEAR HEIGHTS SHOWN, EVEN IF THE STEEL BEAMS ARE INCREASED DUE TO SNOW LOADS OR LOCAL CODES.  
3-TAPERED COLUMNS ARE NOT ACCEPTABLE

MINIMUM STRUCTURAL HEIGHT NOTE:  
THE MINIMUM CLEAR HEIGHT OF THE STRUCTURE IS 13'-10" AT THE EXTERIOR WALL AND LOW EAVE.



**A3.1**



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELTT.COM

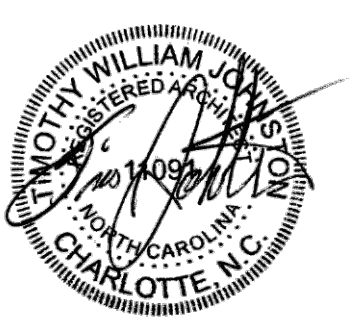
ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**WALL SECTIONS**

Seal

05/03/22



THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C.L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

Drawn By :

J. ZINK

Checked By :

D. MYERS

Revisions :

Date :

05/03/22

Sheet No.

**A4.0**

**NOTES:**

1. PRIOR TO METAL BUILDING FABRICATION, GC SHALL OBTAIN A COPY OF CANOPY SHOP DRAWINGS FROM TENANT (FAMILY DOLLAR). SIGN VENDOR AND PROVIDE TO METAL BUILDING MANUFACTURER. COORDINATE BOLT REQUIREMENTS WITH TENANT SIGN VENDOR.
2. LANDLORD GC IS RESPONSIBLE FOR PROVIDING ANCHOR BOLTS FOR FUTURE CANOPY ATTACHMENT.
3. ALL HARDWARE FOR THE CANOPY MUST BE SET PRIOR TO INSTALLATION OF EXTERIOR SHEATHING.

**MASONRY VENEER FLASHING & WEEPS**

LOCATE NEOPRENE THRU-WALL FLASHING AT FIRST BED JOINT BELOW FINISH FLOOR. PROVIDE HALF HEAD JOINT WEEPS @ 32" O.C. IN HEAD JOINTS AT THRU WALL FLASHING.

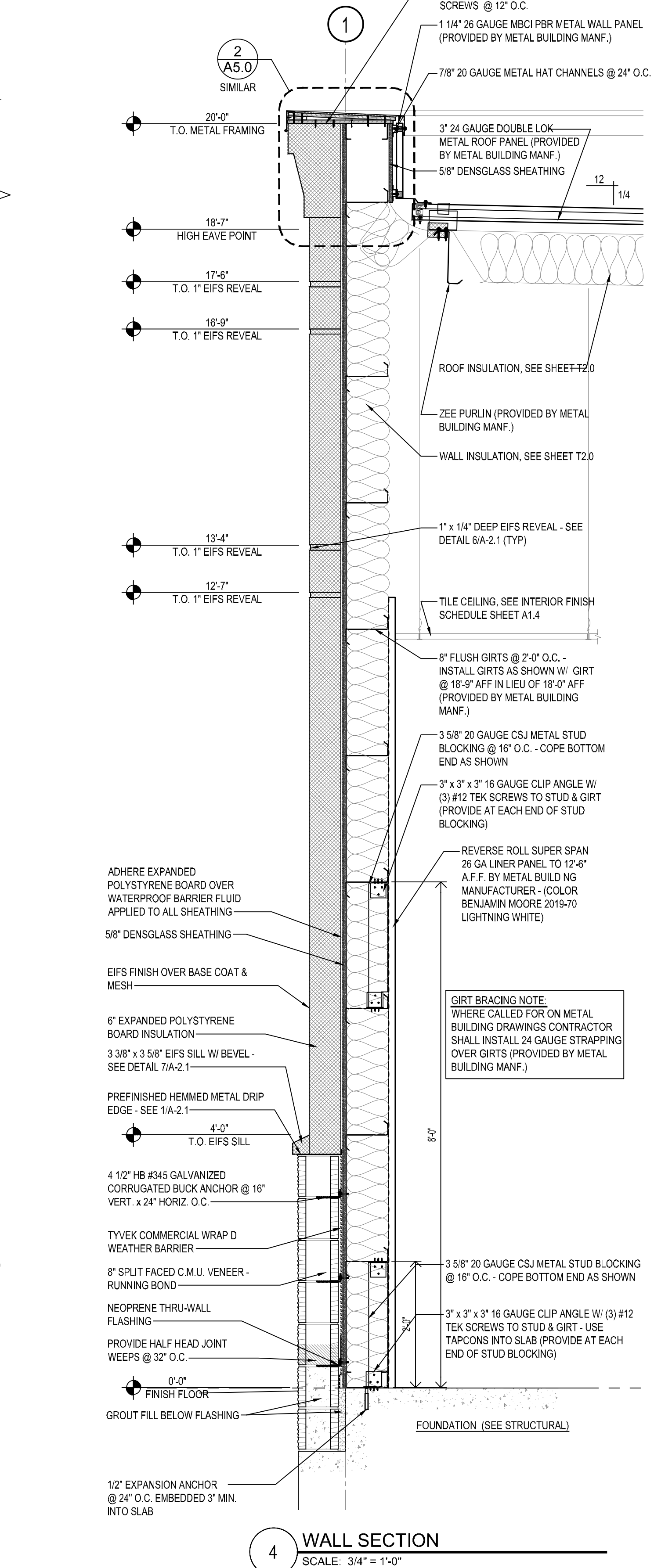
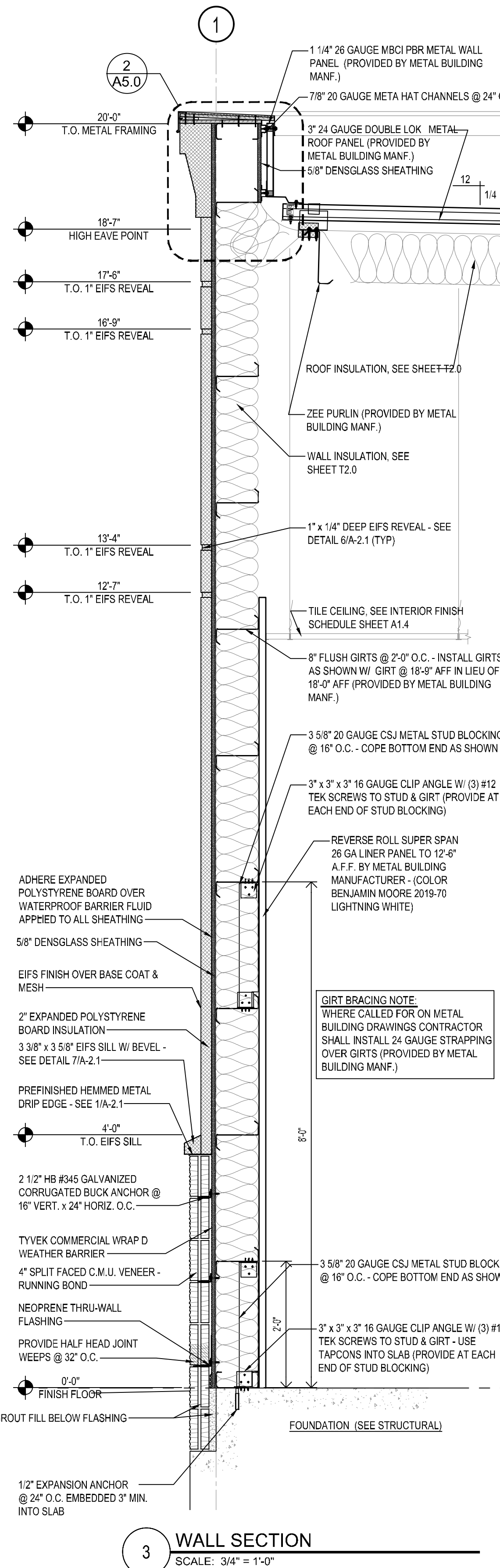
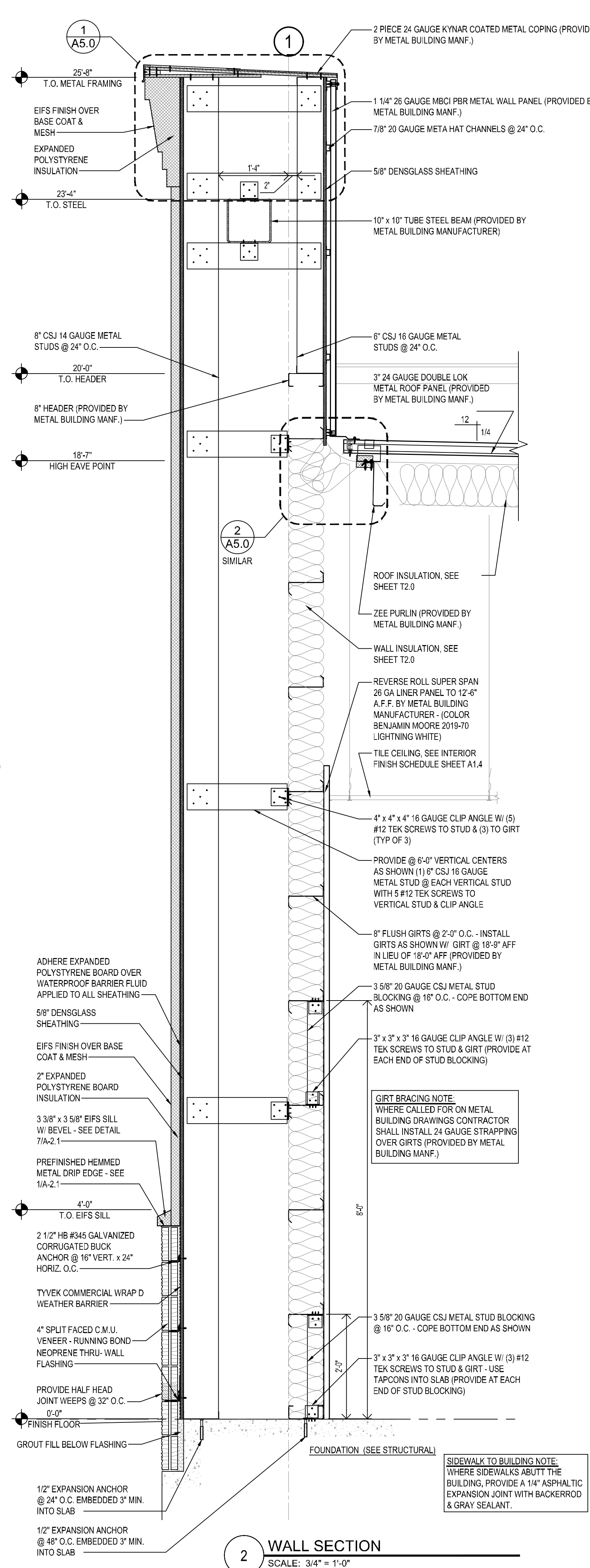
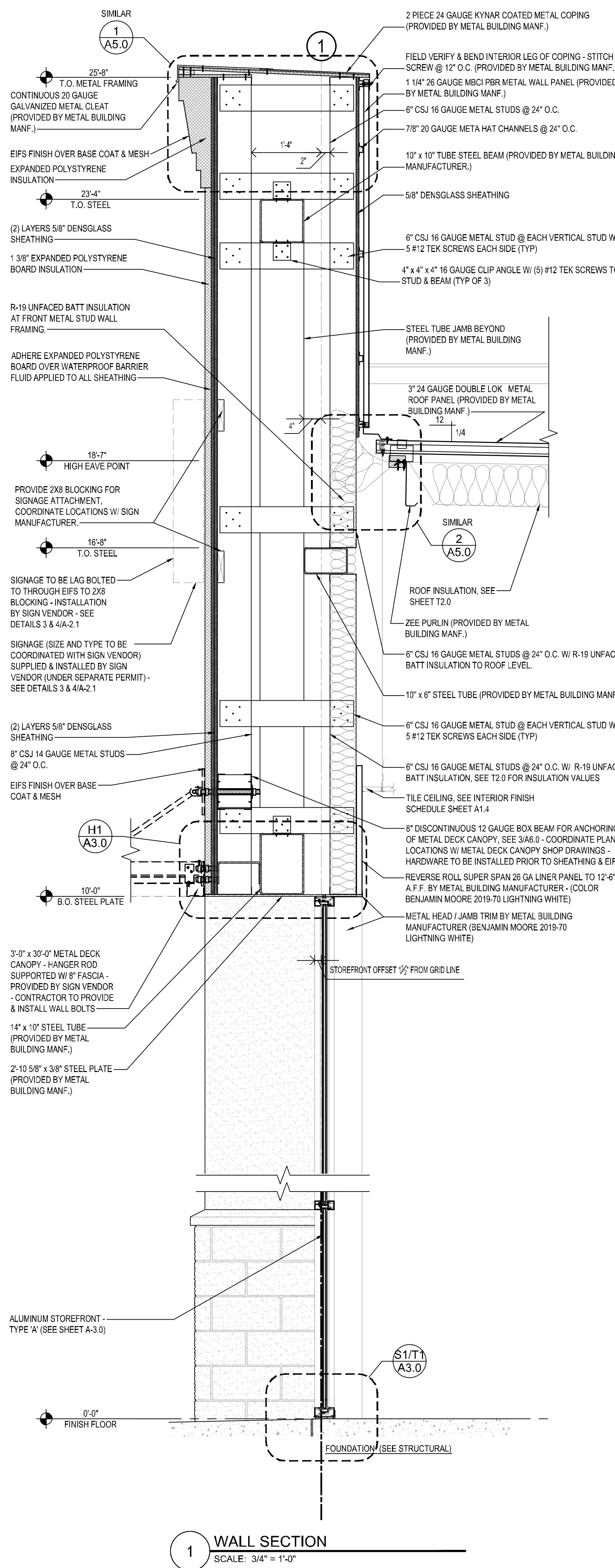
WHEN TOP OF SIDEWALK COVERS BED JOINTS BELOW FINISH FLOOR THEN THRU WALL FLASHING IS TO BE LOCATED AT FIRST BED JOINT ABOVE SIDEWALK. PROVIDE HALF HEAD JOINT WEEPS @ 32" O.C. IN HEAD JOINTS AT THRU WALL FLASHING. GROUT FILL VOIDS, AIR SPACE AND CMU BELOW FLASHING

**EIFS NOTE:**

FOR EPS INSULATION THICKNESS GREATER THAN 4" CONTACT EIFS SYSTEM MANUFACTURER FOR ADDITIONAL REQUIREMENTS AND SPECIFICATIONS.

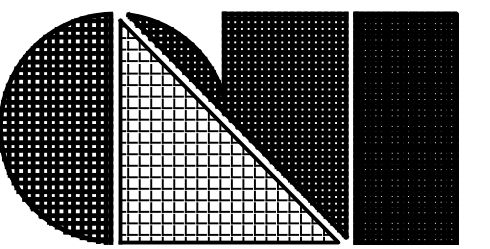
**PEMB INSULATION NOTE:**

GC IS RESPONSIBLE FOR COORDINATING, PROVIDING AND INSTALLING PEMB WALL AND ROOF INSULATION UNLESS PREVIOUS COORDINATION HAS BEEN MADE WITH METAL BUILDING MANUFACTURER TO PROVIDE AND INSTALL. SEE INSULATION NOTE SHEET T2.0 FOR INSULATION SPECIFICATIONS.



Sheet No.

**A4.0**



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fk. 704-343-0054  
EMAIL: INFO@CLHELT.COM

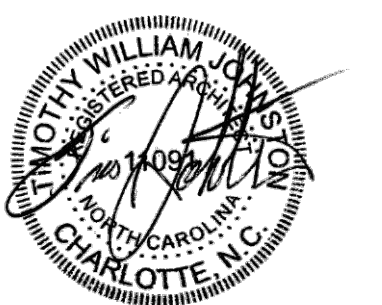
ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**WALL SECTIONS**

Seal

05/03/22



THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C.L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

Drawn By :

J. ZINK

Checked By :

D. MYERS

Revisions :

Date :

05/03/22

Sheet No.

**A4.1**

**MASONRY VENEER FLASHING & WEEPS**

LOCATE NEOPRENE THRU-WALL FLASHING AT FIRST BED JOINT BELOW FINISH FLOOR. PROVIDE HALF HEAD JOINT WEEPS @ 32" O.C. IN HEAD JOINTS AT THRU WALL FLASHING.

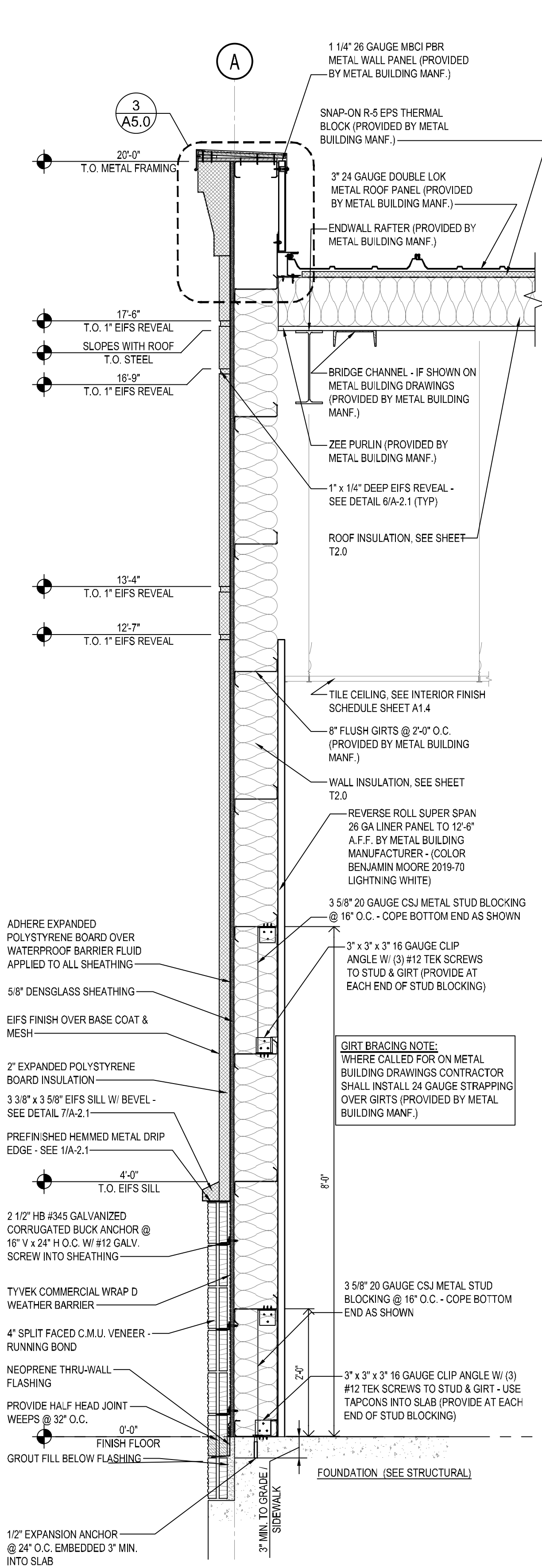
WHEN TOP OF SIDEWALK COVERS BED JOINTS BELOW FINISH FLOOR THEN THRU WALL FLASHING IS TO BE LOCATED AT FIRST BED JOINT ABOVE SIDEWALK. PROVIDE HALF HEAD JOINT WEEPS @ 32" O.C. IN HEAD JOINTS AT THRU WALL FLASHING. GROUT FILL VOIDS, AIR SPACE AND CMU BELOW FLASHING

**EIFS NOTE:**

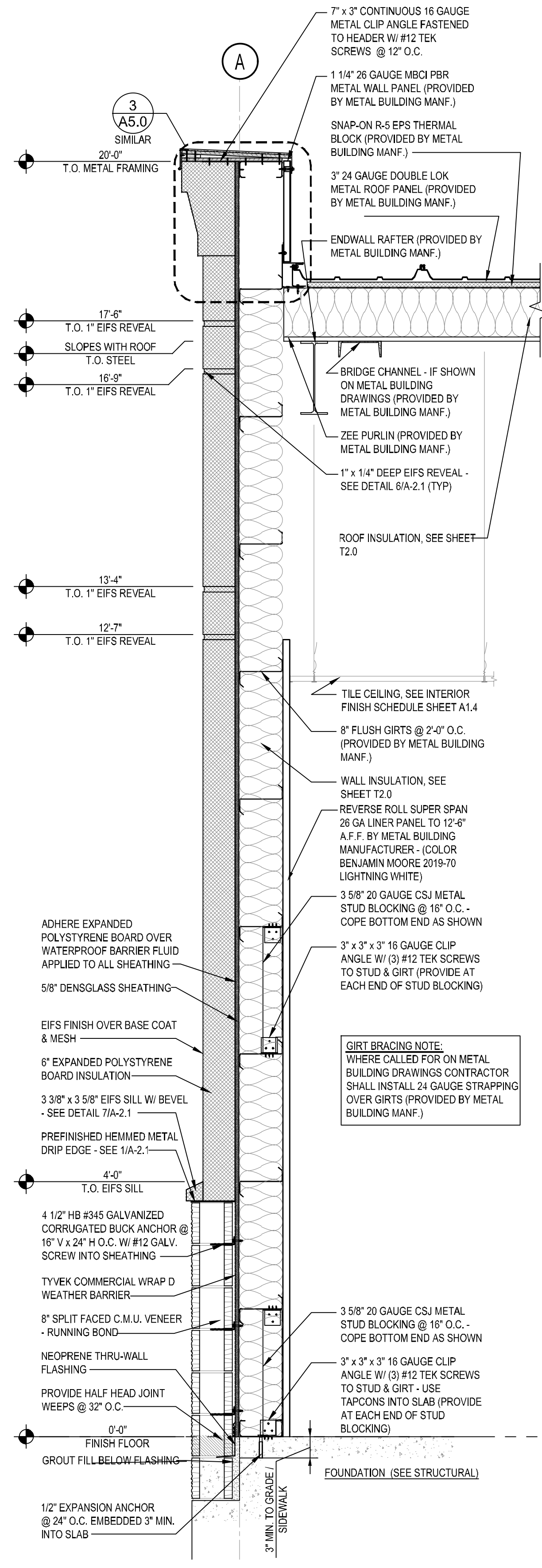
FOR EPS INSULATION THICKNESS GREATER THAN 4" CONTACT EIFS SYSTEM MANUFACTURER FOR ADDITIONAL REQUIREMENTS AND SPECIFICATIONS.

**PEMB INSULATION NOTE:**

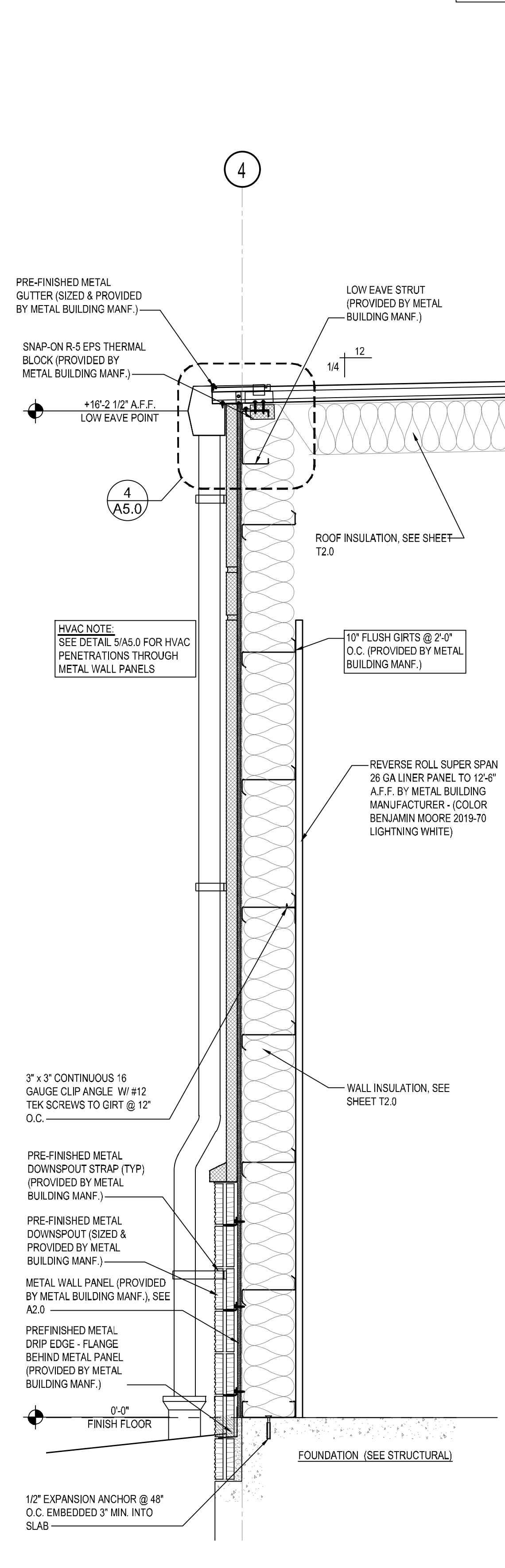
GC IS RESPONSIBLE FOR COORDINATING, PROVIDING AND INSTALLING PEMB WALL AND ROOF INSULATION UNLESS PREVIOUS COORDINATION HAS BEEN MADE WITH METAL BUILDING MANUFACTURER TO PROVIDE AND INSTALL. SEE INSULATION NOTE SHEET T2.0 FOR INSULATION SPECIFICATIONS.



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



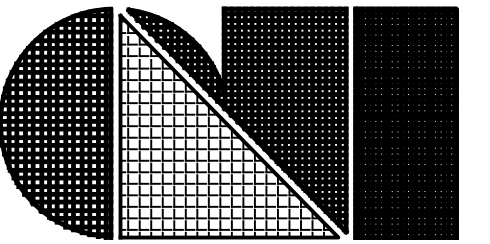
**2 WALL SECTION**  
SCALE: 3/4" = 1'-0"



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

**SIDEWALK TO BUILDING NOTE:**  
WHERE SIDEWALKS ABUTT THE BUILDING, PROVIDE A 1/4" ASPHALTIC EXPANSION JOINT WITH BACKERROD & GRAY SEALANT.





C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph: 704-342-1686  
Fx: 704-343-0054  
EMAIL: INFO@CLHELT.COM

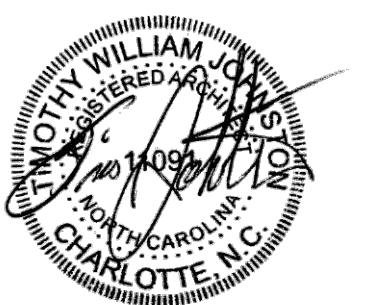
ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**SECTION DETAILS**

Seal

05/03/22



THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

Drawn By :

J. ZINK

Checked By :

D. MYERS

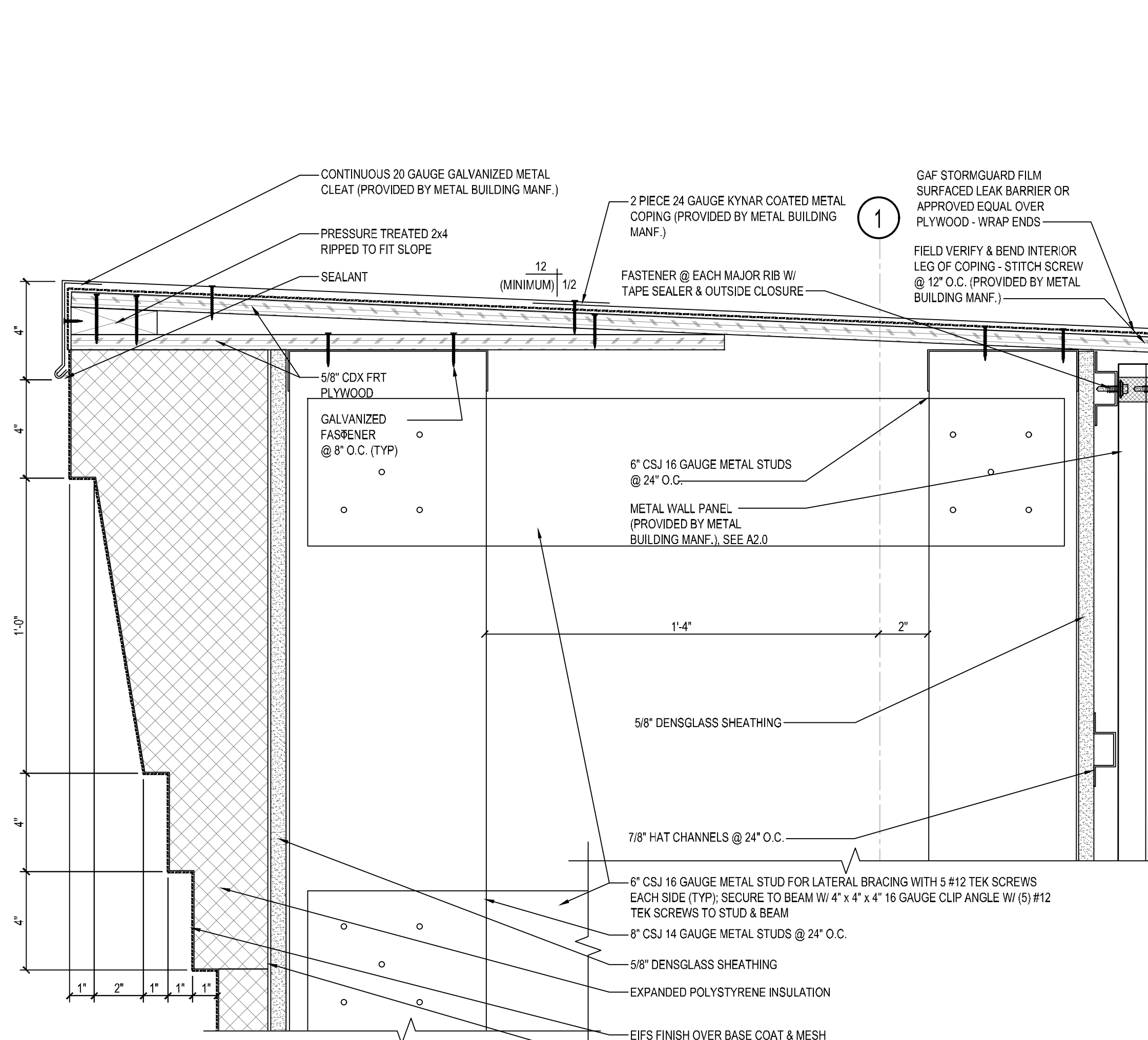
Revisions :

Date :

05/03/22

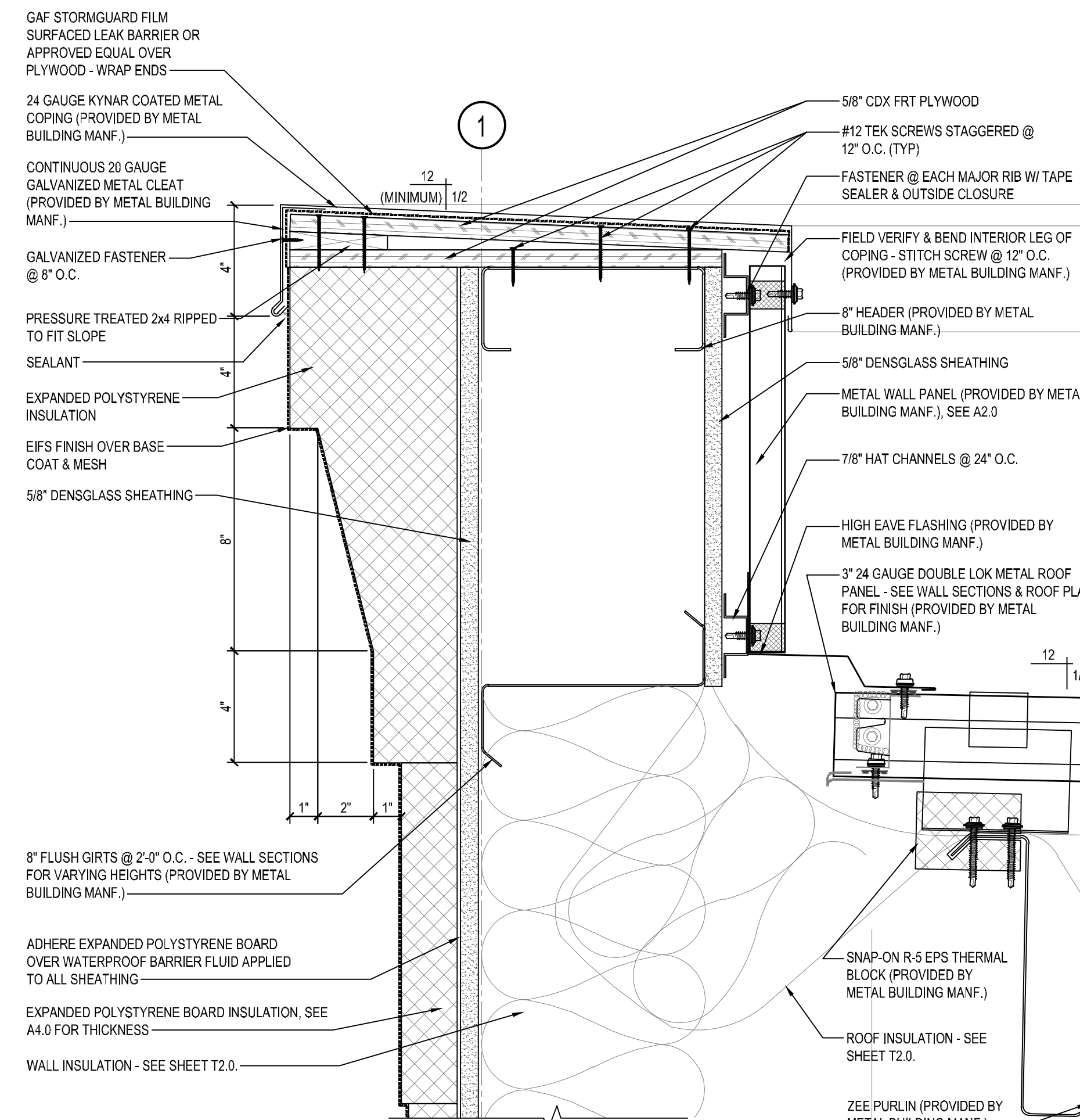
Sheet No.

**A5.0**



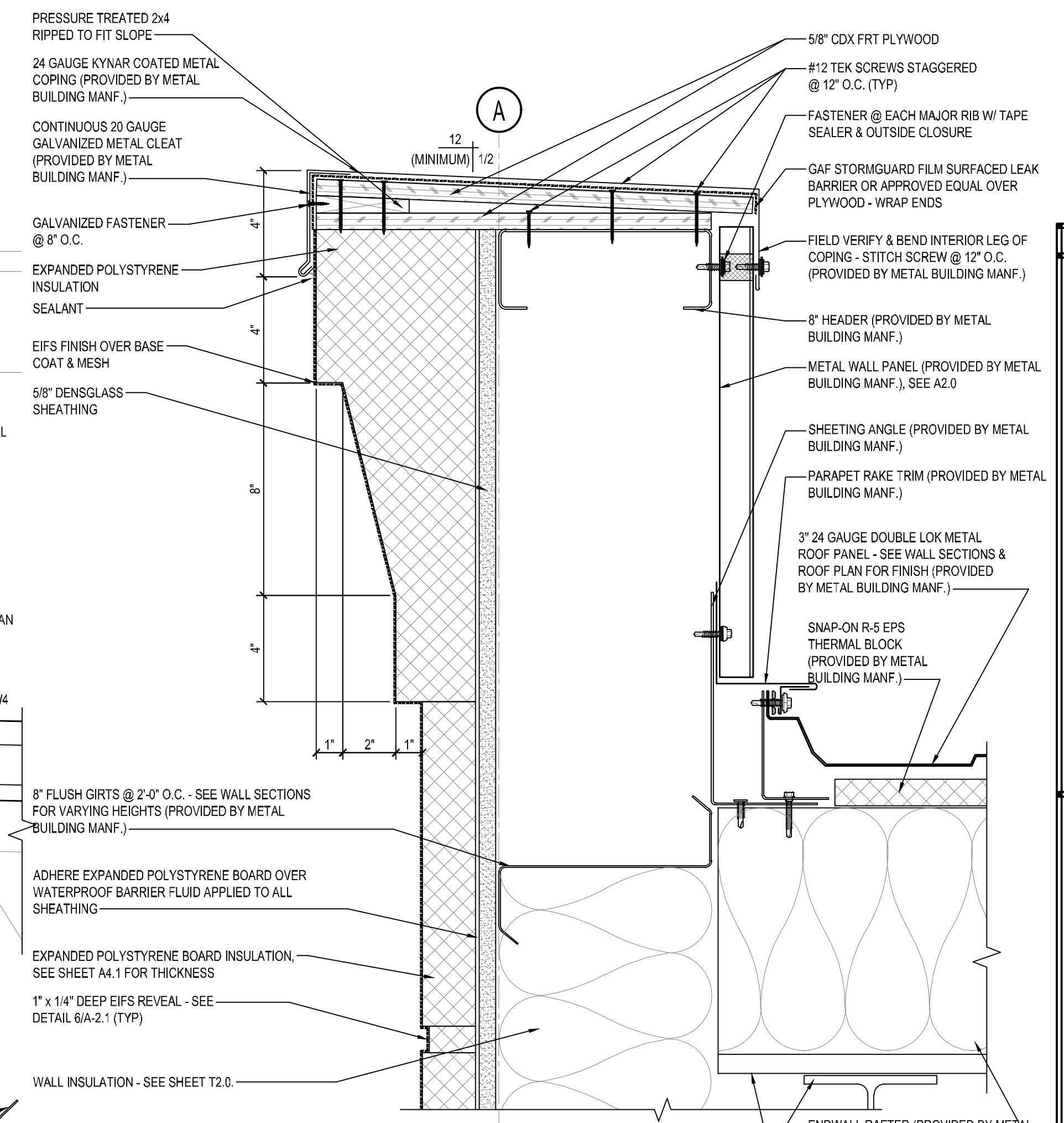
NOTE:  
REFERENCE DETAIL 8/A-2.1 FOR  
APPLICATION OF EIFS @  
PARAPET

**1 SECTION DETAIL**  
SCALE: 3" = 1'-0"



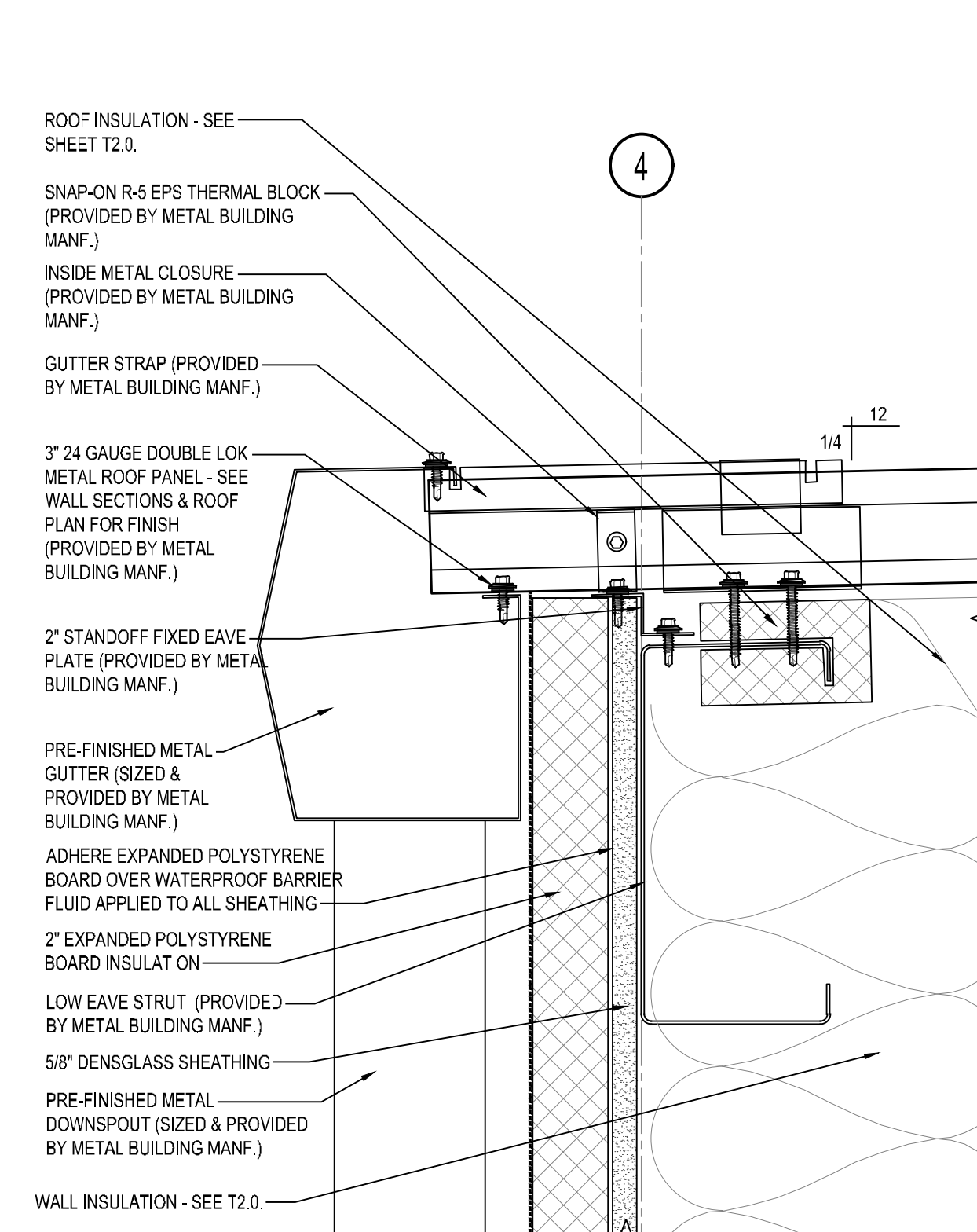
NOTE:  
REFERENCE DETAIL 8/A-2.1 FOR  
APPLICATION OF EIFS @  
PARAPET

**2 SECTION DETAIL**  
SCALE: 3" = 1'-0"

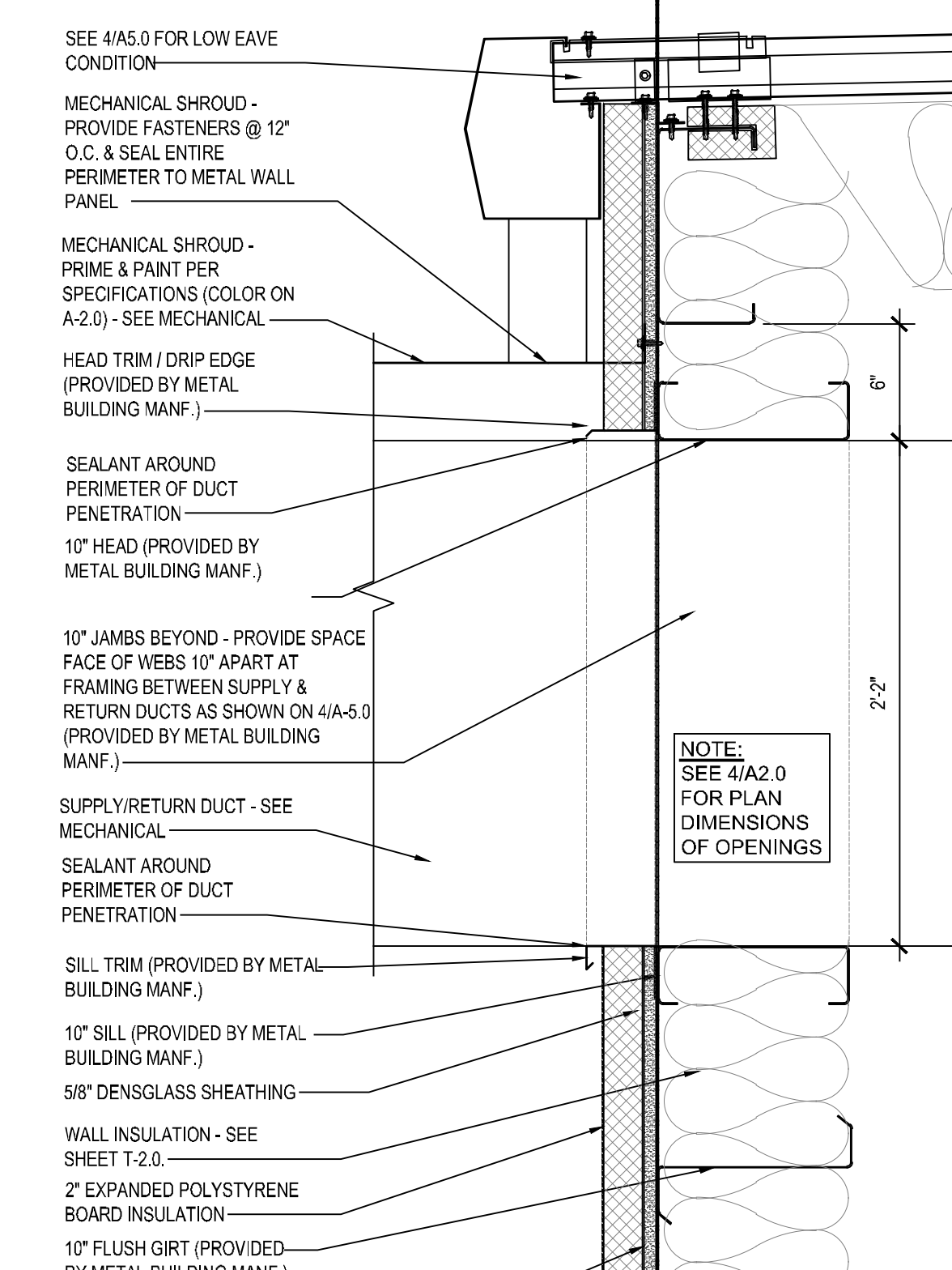


NOTE:  
REFERENCE DETAIL 8/A-2.1 FOR  
APPLICATION OF EIFS @  
PARAPET

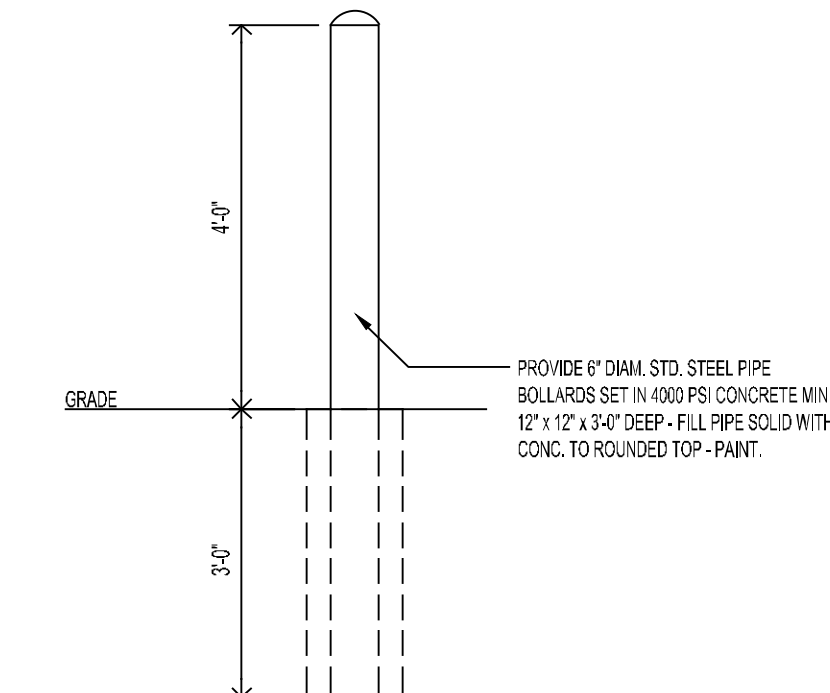
**3 SECTION DETAIL**  
SCALE: 3" = 1'-0"



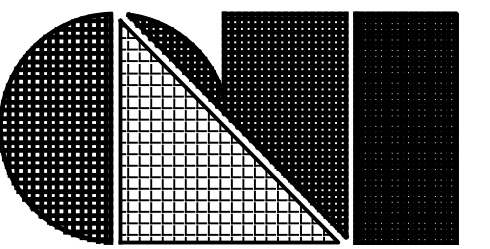
**4 SECTION DETAIL**  
SCALE: 3" = 1'-0"



**5 SECTION DETAIL**  
SCALE: 1 1/2" = 1'-0"



**6 BOLLARD DETAIL**  
SCALE: 1/2" = 1'-0"



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
FAMILY DOLLAR  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 RURAL VB PROTOTYPE

**Sheet Description :**  
CANOPY DETAILS

Seal

05/03/22

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

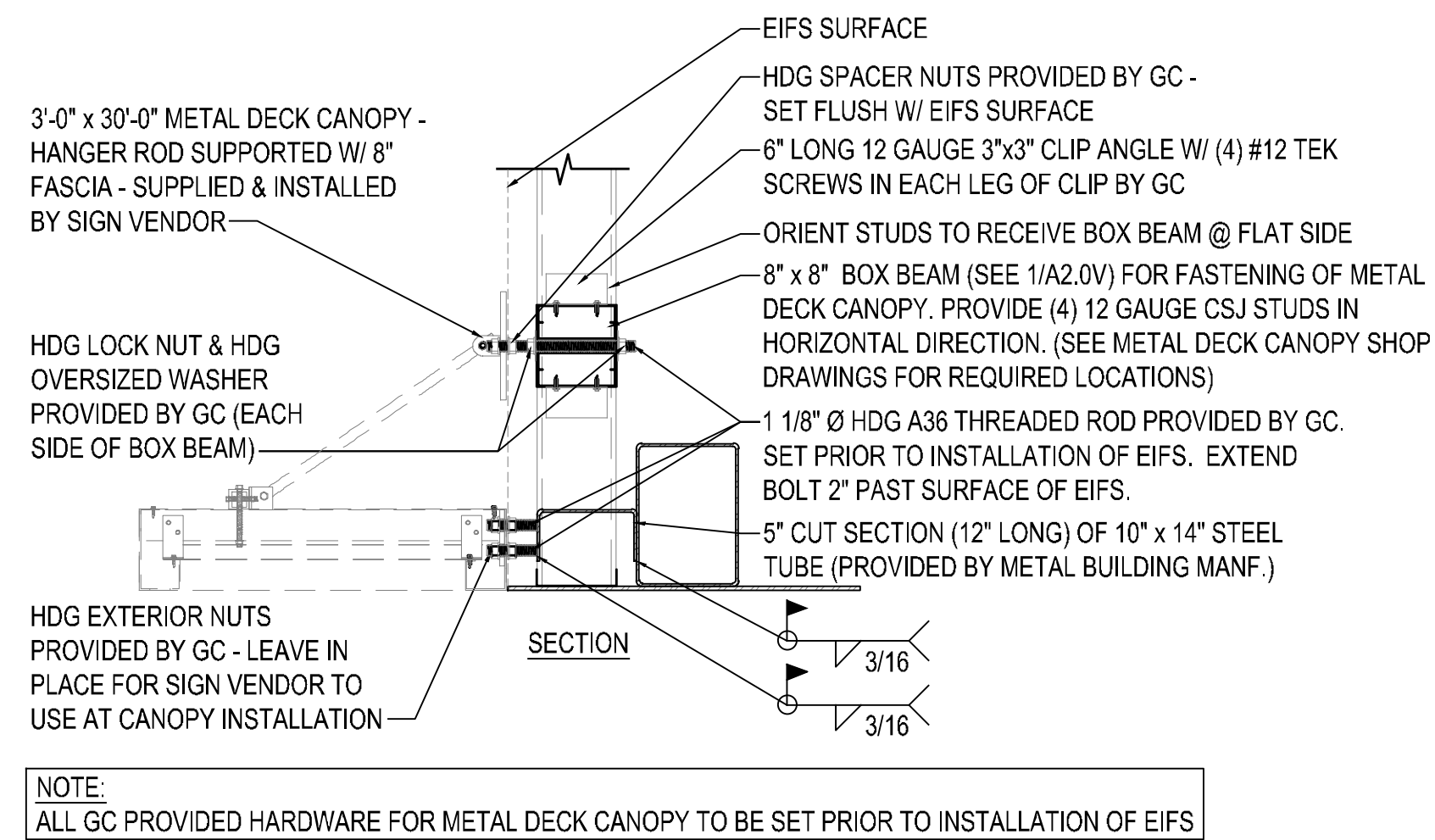
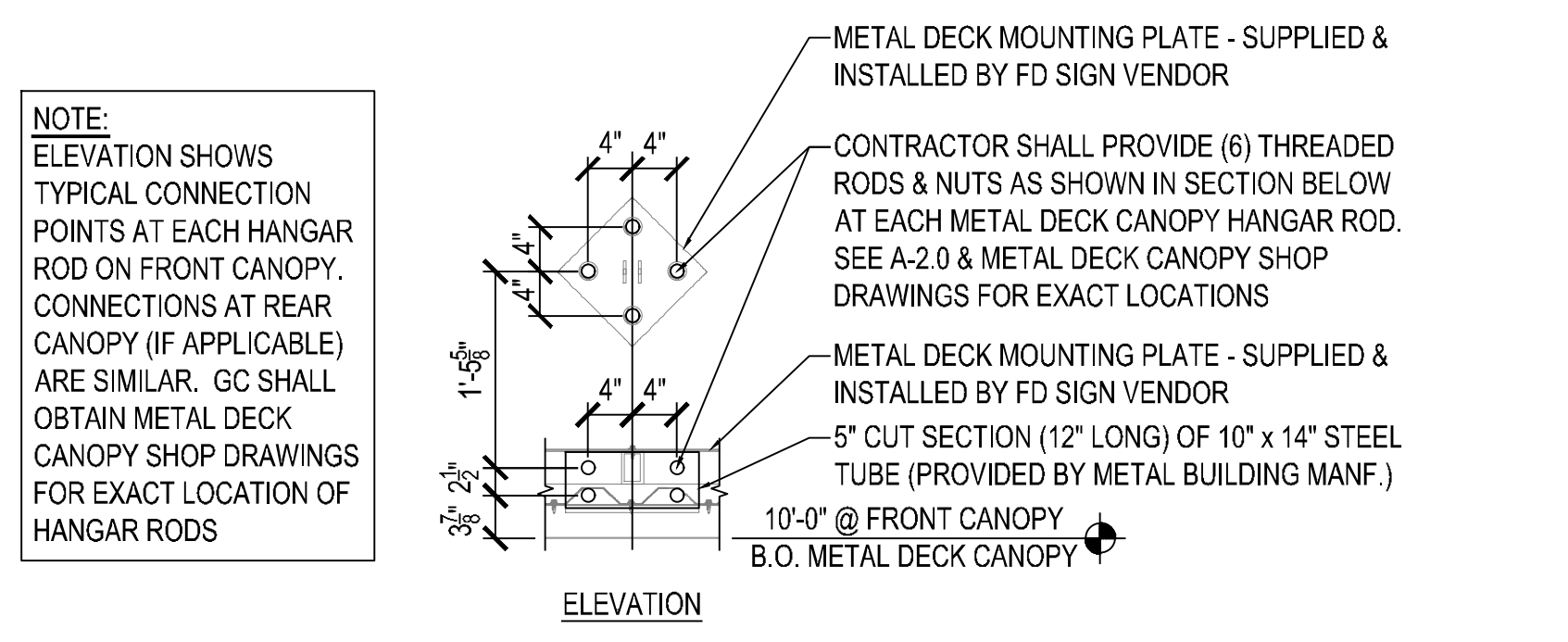
Drawn By :  
J. ZINK

Checked By :  
D. MYERS

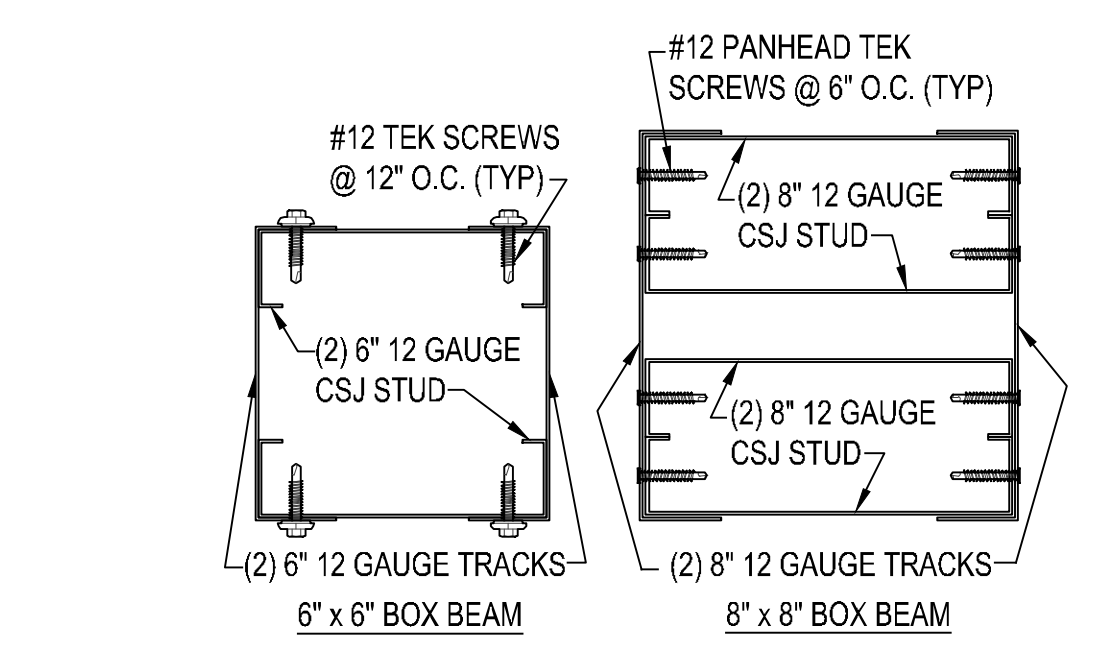
Revisions :


Date :  
05/03/22

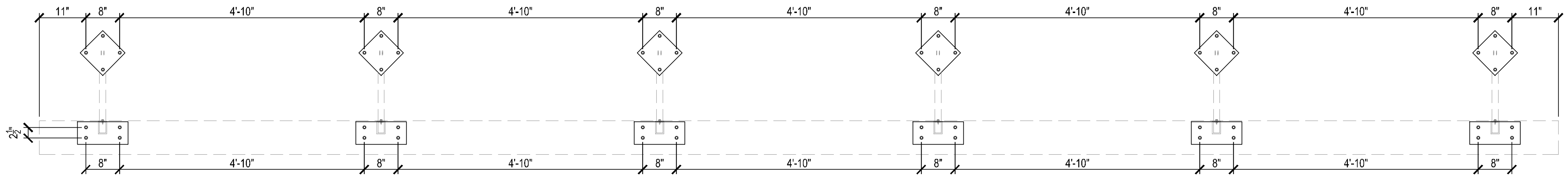
Sheet No.



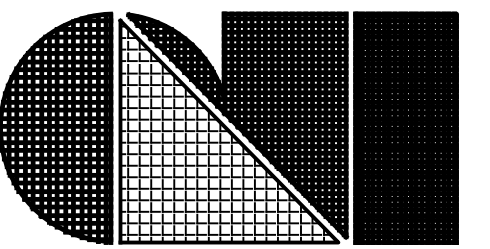
**2 CANOPY DETAIL**  
SCALE: 3/4"=1'-0"



**3 BOX BEAM DETAIL**  
SCALE: 3"=1'-0"



**1 CANOPY ANCHOR DETAIL**  
SCALE: 3/4"=1'-0"



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
FAMILY DOLLAR  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
Hwy 168  
CURRITUCK, NC  
2021-01 RURAL-VB PROTOTYPE

**Sheet Description :**  
HVAC  
ENCLOSURE DETAILS

Seal  
05/03/22

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON ARCHITECT

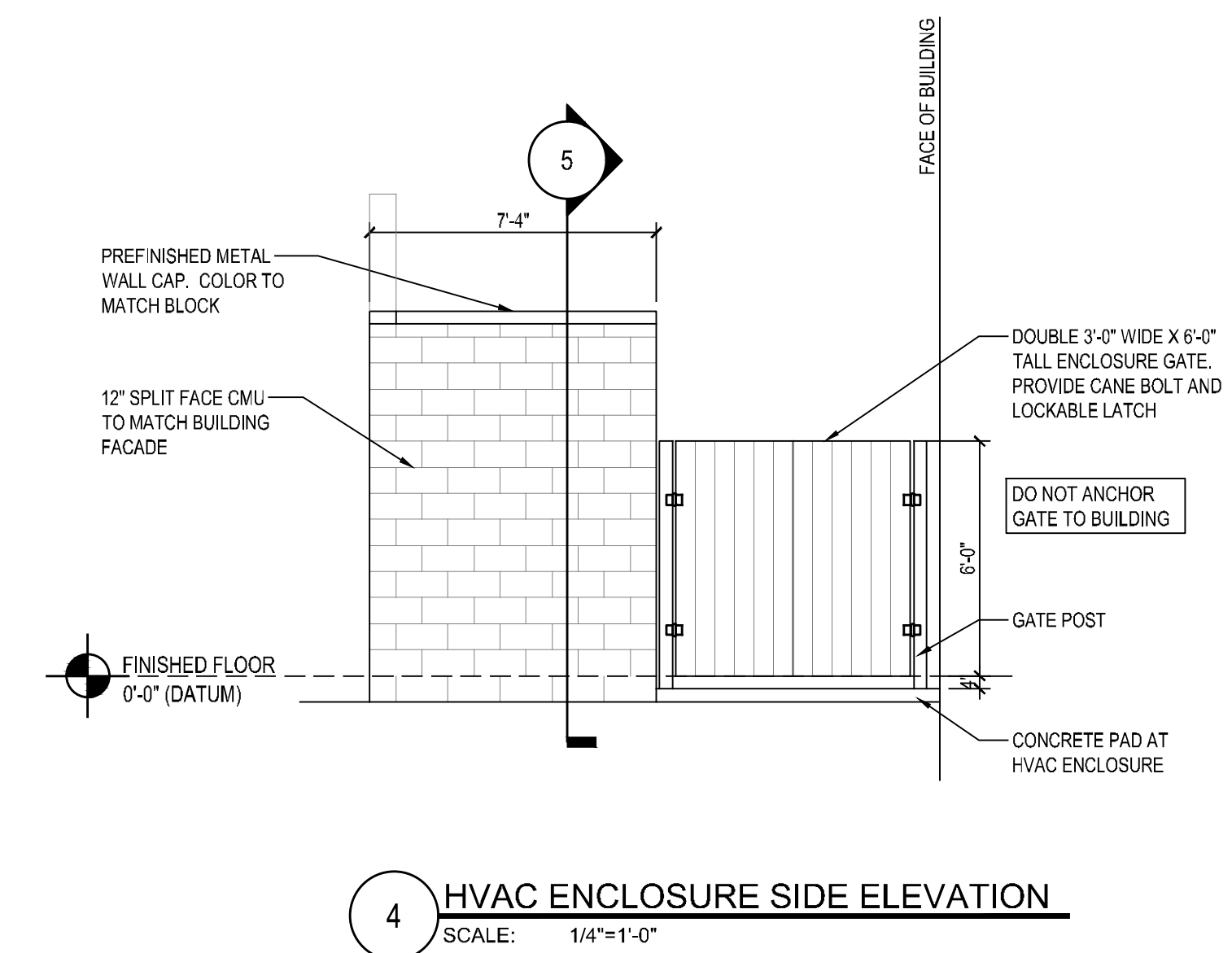
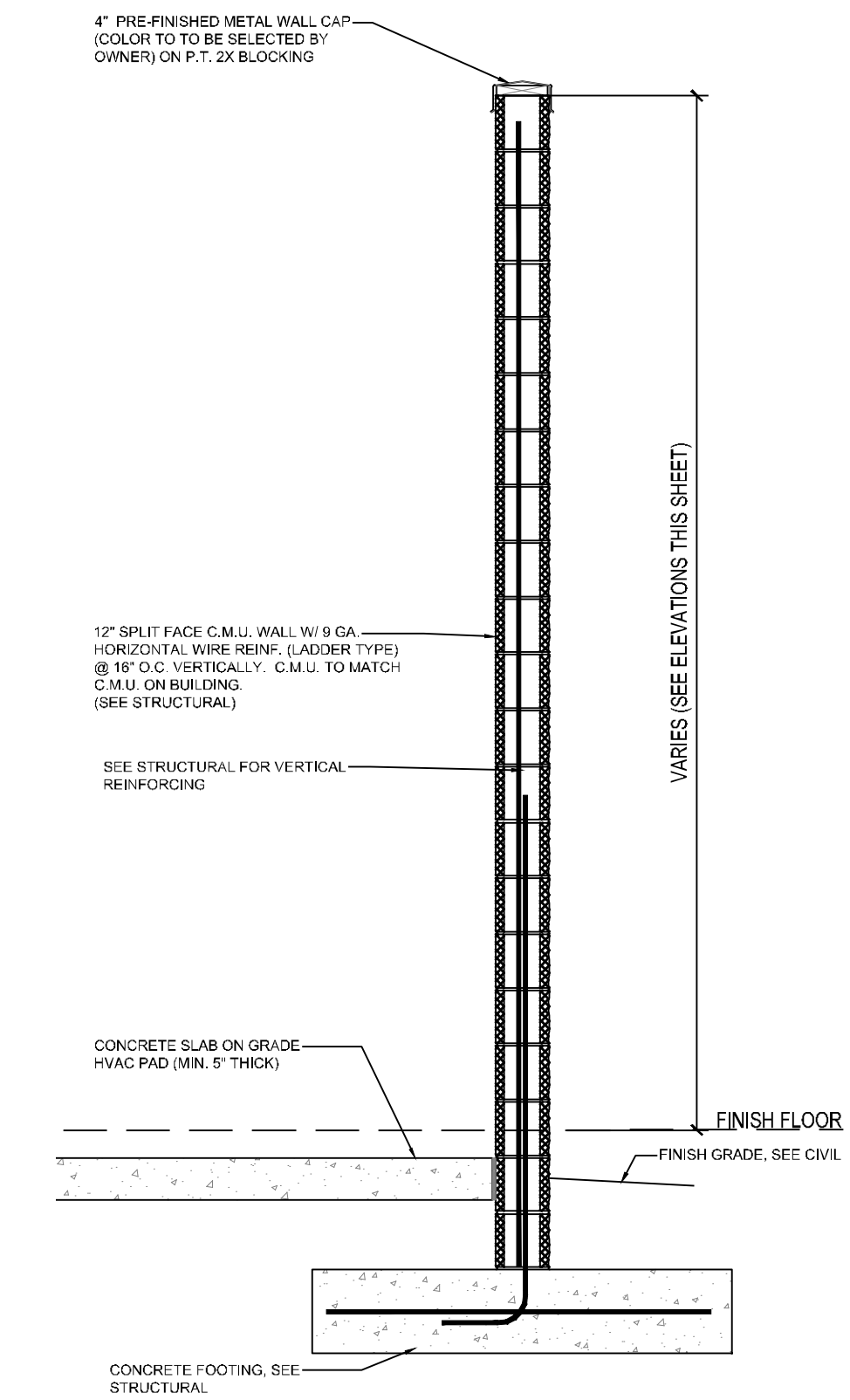
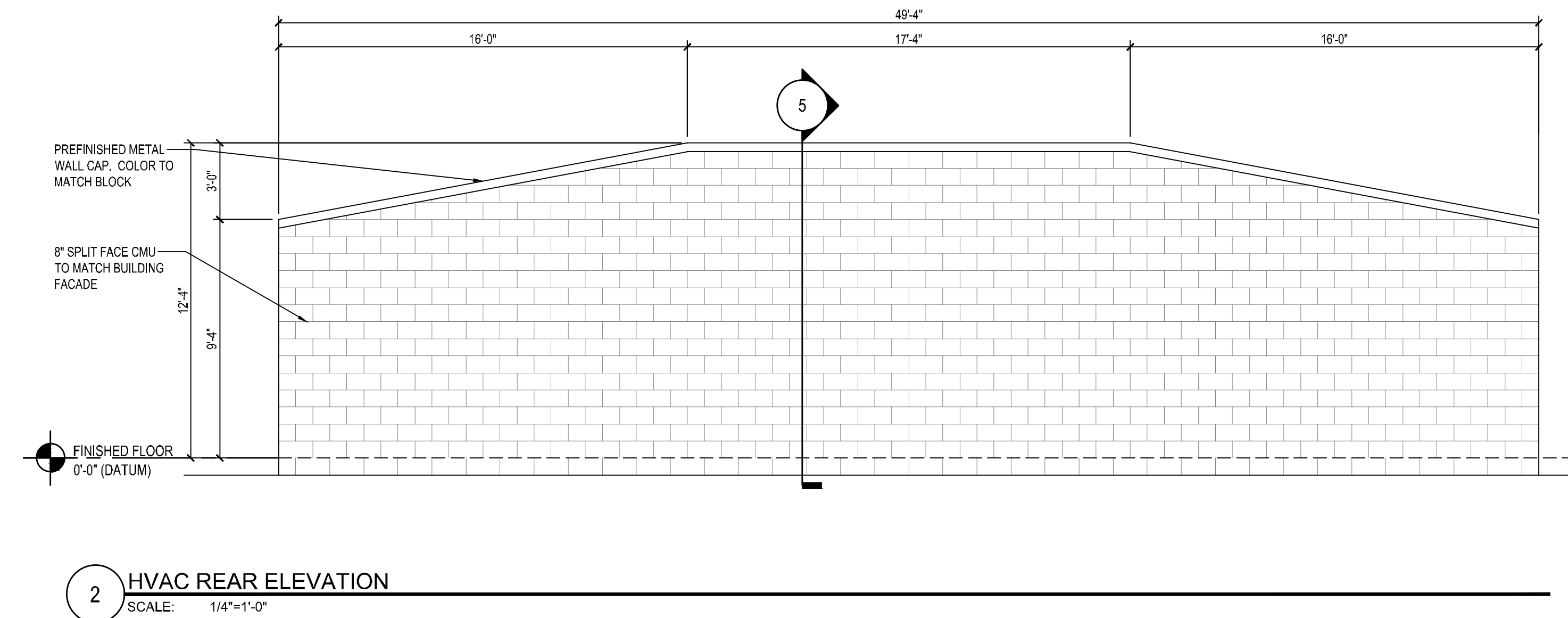
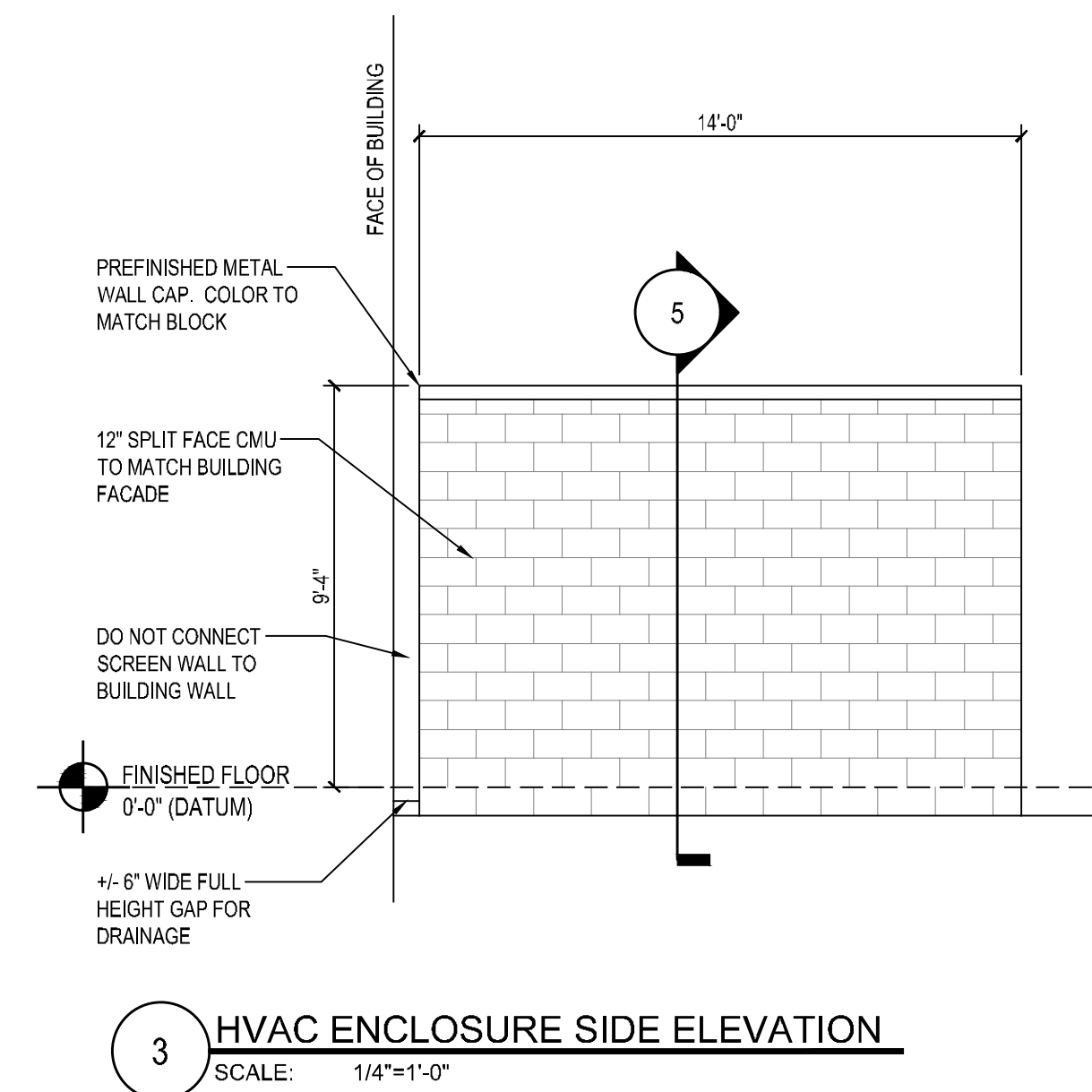
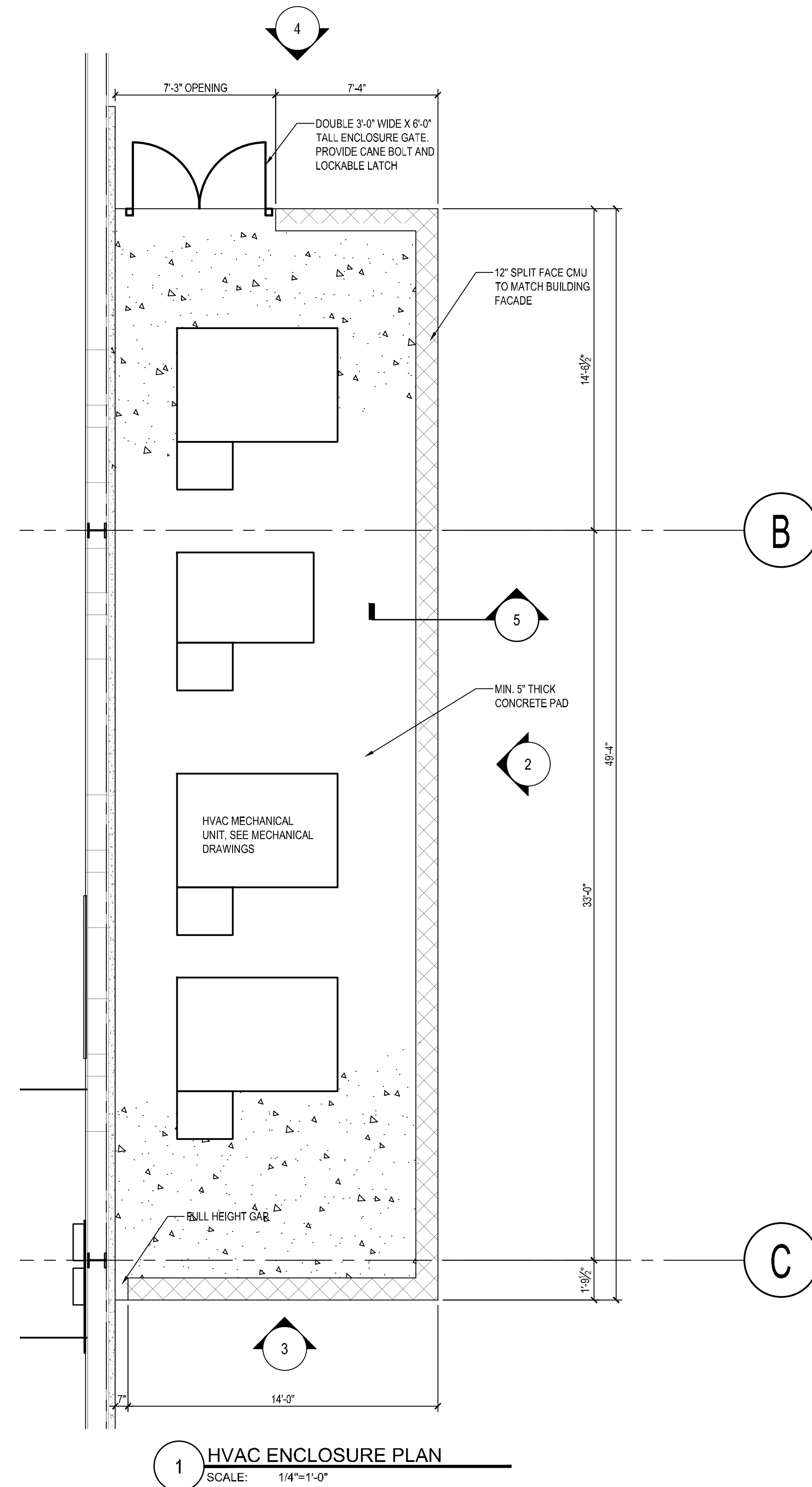
Drawn By :  
J. ZINK

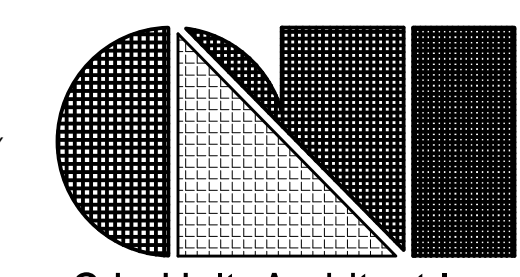
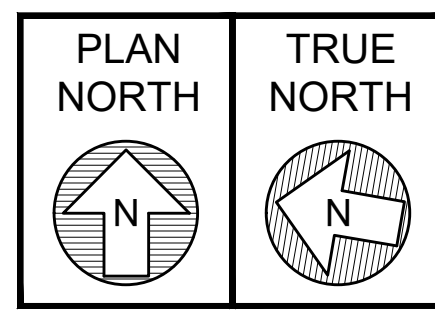
Checked By :  
D. MYERS

Revisions :

Date :  
05/03/22

Sheet No.





C.L. Helt, Architect Inc.  
 6405 WILKINSON BLVD  
 SUITE 100  
 BELMONT, NC 28012  
 Ph. 704-342-1686  
 Fx. 704-343-0054  
 EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

Project : **FAMILY DOLLAR**  
 FOR STOCKS & TAYLOR CONSTRUCTION INC.  
 HWY 168  
 CURRITUCK, NC  
 2021-01 'RURAL' VB PROTOTYPE

Sheet Description : **FOUNDATION PLAN, SCHEDULE & NOTES**

Seal  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 035009  
 ENGINEER  
 TODD M. BORN  
 May 4, 2022

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND OR TIMOTHY JOHNSTON, ARCHITECT

Drawn By : J. OCASIO  
 Checked By : T. BORN

Revisions :  
 Date : 02/15/22

Sheet No. **S1**

**GENERAL STRUCTURAL NOTES:**

- THE GENERAL STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICTS EXIST BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE GENERAL STRUCTURAL NOTES, THE STRICTEST PROVISION SHALL GOVERN.
- GOVERNING CODE: 2018 NORTH CAROLINA BUILDING CODE
- DESIGN WIND SPEED: 130 MPH (ASCE 7-16)  
 EXPOSURE CLASSIFICATION: C  
 RISK CATEGORY: II  
 ROOF LIVE LOAD: 20 PSF  
 FLOOR LIVE LOAD: 100 PSF  
 ASSUMED MECHANICAL LOAD: 5 PSF  
 LOCAL GROUND SNOW LOAD: 10 PSF
- SEISMIC DESIGN VALUES:  
 (SEE METAL BUILDING DRAWINGS)
- MECHANICAL FRAMING LOADS, OPENINGS, AND STRUCTURE IN ANY WAY RELATED TO MECHANICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF MECHANICAL AND OTHER TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS TO BE BORNE BY MECHANICAL CONTRACTOR.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE, AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS, OR TIE-DOWNS WHICH MAY BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT.
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS RELATING TO EXISTING CONSTRUCTION AND EXISTING SERVICE ON THE SITE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF COLUMNS, WALLS, OPENINGS, ETC. WITH THE ARCHITECTURAL DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
- ALL SITE PREPARATION FOR BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH THE DETAILS INDICATED ON THE CONTRACT DRAWINGS AND WITH THE RECOMMENDATIONS OF THE PROJECT REPORT OF GEOTECHNICAL INVESTIGATION.
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR ALL STRUCTURAL COMPONENTS PRIOR TO FABRICATION. STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED FOR SHOP DRAWINGS OR ERECTION PLANS. SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE CONTRACTOR FOR ALL DIMENSIONS, ELEVATIONS, AND ERECTION PROCEDURE PRIOR TO SUBMITTING TO ARCHITECT. PROVIDE AMPLIFIED TIME FOR SHOP DRAWING REVIEW TO TAKE PLACE. REFER TO THE PROJECT SPECIFICATIONS FOR OTHER SUBMITTAL REQUIREMENTS.
- THE ENGINEER'S APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR DEVIATIONS, ERRORS, OR OMISSIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- NO CONSTRUCTION LOADS THAT EXCEED THE SAFE LOAD CARRYING CAPACITY OF THE STRUCTURAL MEMBERS SHALL BE APPLIED TO THE STRUCTURE. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY UNUSUAL OR EXCESSIVE LOADS OCCURRING DURING CONSTRUCTION. DO NOT APPLY CONSTRUCTION LOADS UNTIL STRUCTURAL COMPONENTS ARE PROPERLY CONNECTED AND ALL NECESSARY TEMPORARY BRACING IS IN PLACE.
- WORK NOT INDICATED ON THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT AT SIMILAR LOCATIONS SHALL BE REPEATED. UNLESS OTHERWISE NOTED, ALL SECTIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE TYPICAL AT SIMILAR LOCATIONS AND CONDITIONS.

**FOUNDATION & GEOTECHNICAL NOTES:**

- A GEOTECHNICAL ENGINEERING REPORT HAS NOT BEEN PROVIDED FOR THIS PROJECT. WE STRONGLY RECOMMEND A GEOTECHNICAL EXPLORATION BE PERFORMED BY A GEOTECHNICAL ENGINEER LICENSED WITH THE STATE OF NORTH CAROLINA TO VERIFY THE EXISTING SUBGRADE PROFILE, RECOMMEND SUBGRADE PREPARATION, AND RECOMMEND AN ALLOWABLE SOIL BEARING PRESSURE.
- PREPARE FOUNDATION SUBSTRATE IN ACCORDANCE WITH WRITTEN RECOMMENDATIONS OF "GEOTECHNICAL ENGINEERING REPORT".
- SPREAD FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUSTAINING A NET ALLOWABLE BEARING PRESSURE OF 1.5 KSF FOR INDIVIDUAL COLUMN FOOTING AND 1.5 KSF FOR CONTINUOUS WALL FOOTING UNDER FULL SERVICE LIVE AND DEAD LOAD.
- FOOTINGS SHALL BE POURED INTO AN EARTH-FORMED TRENCH IF SOIL CONDITIONS PERMIT.
- BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 18" BELOW FINAL GRADE OR TO A DEPTH BELOW THE LOCAL FROST DEPTH. CONTRACTOR SHALL VERIFY THE LOCAL FROST DEPTH AND NOTIFY THE E.O.R. OF ANY DISCREPANCIES.
- FOUNDATION WALLS THAT RETAIN EARTH SHALL BE BRACED AGAINST BACKFILLING PRESSURES UNTIL FLOOR SLABS AT TOP AND BOTTOM ARE IN PLACE.
- WHERE FOUNDATION WALLS ARE TO HAVE EARTH PLACED ON EACH SIDE, PLACE FILL SIMULTANEOUSLY SO AS TO MAINTAIN A COMMON ELEVATION ON EACH SIDE OF THE WALL.
- COMPACT BACKFILL IN ACCORDANCE WITH "GEOTECHNICAL ENGINEERING REPORT".
- PERFORM DENSITY AND MOISTURE CONTENT TESTS OF COMPACTED FILL MATERIAL IN ACCORDANCE WITH ASTM D992 AND ASTM D3017, AS REQUIRED BY GEOTECHNICAL ENGINEER.
- FOOTINGS SHALL EXTEND DOWN TO A LOWER ELEVATION THAN INDICATED ON THE DRAWINGS IF NECESSARY TO REACH ADEQUATE BEARING MATERIAL.
- SLOPE SIDES OF EXCAVATIONS, OR SHORE, SHEET, AND BRACE SIDE SLOPES TO ENSURE SLOPE STABILITY AND SAFETY. ADEQUATELY PROTECT ALL EXCAVATION SLOPES.
- REMOVE ALL MATERIAL CONTAINING ROOTS, DEBRIS OR OTHER DELETERIOUS MATERIAL FROM THE SITE.
- PROVIDE ADEQUATE DRAINAGE OR DEWATERING TO ALLOW PROPER FINISHING OF EXCAVATIONS AND TO KEEP WATER FROM COLLECTING IN THE BOTTOM OF EXCAVATIONS. FOUNDATIONS SHALL BE PLACED IN THE DRY. DO NOT PLACE FOOTINGS IN WATER.
- PROVIDE NOTICE AND ADEQUATE SUFFICIENT TIME FOR FOOTING EXCAVATIONS TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO POURING CONCRETE.

**CONCRETE NOTES:**

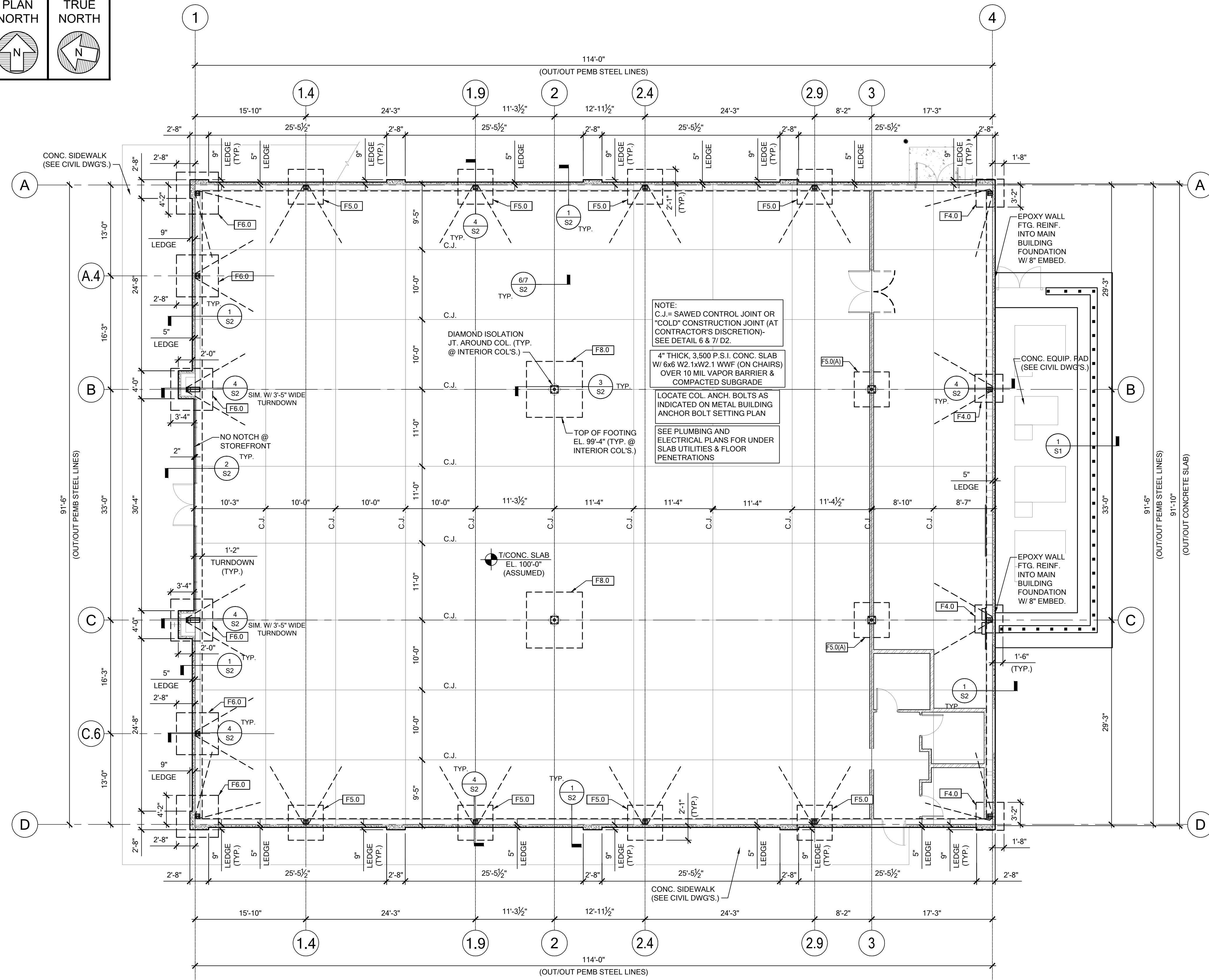
- SPECIFICATIONS AND STANDARDS: UNLESS SPECIFICALLY SHOWN OTHERWISE ALL CONCRETE WORK, DETAILS, FABRICATION, AND PLACEMENT OF BARS AND CONCRETE SHALL BE GOVERNED BY THE LATEST REVISIONS OF:  
 A. ACI 301, ACI 315, AND ACI 318  
 B. CRSI RECOMMENDED PRACTICE FOR PLACING REINFORCEMENT BARS  
 C. ACI 308 AND ACI 305 FOR WINTER AND HOT WEATHER CONCRETE RESPECTIVELY.  
 THE CONTRACTOR SHALL AT ALL TIMES HAVE A COPY OF THE RELEVANT SPECIFICATIONS QUOTED ABOVE ON THE SITE AND THE SUPERVISORY PERSONNEL SHALL BE THOROUGHLY FAMILIAR WITH THE CONTENTS THEREOF.
- CONCRETE REQUIREMENTS AND LOCATION IN JOB:  
 CLASS LOCATION F.C. REQUIREMENTS  
 3000 PSI 3" TO 5" SLUMP  
 II INTERIOR SLAB 3500 PSI 3" TO 5" SLUMP  
 III EXTERIOR CONCRETE 3500 PSI 5% +/- 1% ENT. AIR  
 IV MASONRY GROUT 3500 PSI 8" TO 10" SLUMP  
 PEA GRAVEL MIX
- REINFORCING STEEL SHALL BE ASTM-A615, GRADE 60, WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
- UNLESS OTHERWISE DETAILED, SPLICES SHALL BE IN ACCORDANCE WITH ACI 318 LATEST EDITION.
- WHERE CONCRETE IS CAST AGAINST EARTH, REINFORCING STEEL SHALL HAVE A MINIMUM CONCRETE COVER OF 3" WHEN FORMED BUT EXPOSED TO EARTH OR WEATHER. REINFORCING STEEL SHALL HAVE A MINIMUM CONCRETE COVER OF 1/2" FOR #5 BARS OR SMALLER AND 2" FOR BARS LARGER THAN #5. IN ALL OTHER CONDITIONS PROVIDE 1" COVER UNLESS NOTED OTHERWISE ON DRAWINGS.
- EMBEDS SHALL BE IN PLACE BEFORE PLACING CONCRETE.
- ALL EXTERIOR CORNERS ON EXPOSED CONCRETE, EXCEPT COLUMNS, SHALL HAVE 3/4" 45 DEG CHAMFERS. CORNERS ON COLUMNS SHALL HAVE 1" 45" CHAMFERS, UNLESS NOTED.
- UNDER NO CIRCUMSTANCES SHALL FORMS BE LEFT IN PLACE PERMANENTLY.
- ALL EMBEDDED ITEMS (EXCEPT REINFORCING STEEL & ANCHOR BOLTS) SHALL BE GALVANIZED.
- JOINT SEALANT SHALL BE A ONE PART URETHANE SEALANT, SUCH AS "EUCOLASTIC" AS MFD. BY EUCLID CHEMICAL CO. OR EQUAL.
- EPOXY FOR SETTING DOWELS AND ANCHOR RODS INTO EXISTING CONCRETE SHALL BE A TWO COMPONENT STRUCTURAL EPOXY INJECTION GEL SUCH AS "POWER-FAST" AS MANUFACTURED BY POWERS RAVIL. INSTALLATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL MANUFACTURER'S SPECIFICATIONS.
- ROUGHEN CONCRETE AT FOOTINGS BEFORE POURING PIERS, PADS, OR WALLS, IN ACCORDANCE WITH ACI-318, CHAPTER 11.
- PROVIDE (2) #4 BARS x 4'-0" LONG IN CONCRETE SLABS AND MATS AT ALL REINTRANT CORNERS.
- REINFORCEMENT SHALL BE ADEQUATELY SUPPORTED AND TIED IN PLACE PRIOR TO CONCRETE PLACEMENT. PROVIDE ANY STANDEES, BOLSTERS, CARRYING BARS, OR ADDITIONAL BARS AS MAY BE NECESSARY TO ADEQUATELY SUPPORT THE REINFORCEMENT IN ITS PROPER POSITION.
- UNLESS NOTED OTHERWISE ON THE DRAWINGS, DOWELS SHALL MATCH CORRESPONDING VERTICAL REINFORCEMENT.
- FILL ALL PLUMBING SLOTS WITH CONCRETE TO THE SAME DEPTH AS THE FLOOR SLAB AFTER PIPING IS INSTALLED.
- SAW CUT CONTROL JOINTS IN SLAB AS SOON AS PRACTICAL AFTER PLACING SLAB, BUT NOT MORE THAN 8 HOURS AFTER SLAB PLACEMENT.
- LAP WELDED WIRE FABRIC A MINIMUM OF 12".
- REFER TO ARCHITECTURAL AND FAMILY DOLLAR SPECIFICATIONS FOR FINISHING OF CONCRETE SLAB.
- CONFIRM THERE IS NO SLAG OR FLY ASH IN THE MIX - THESE MATERIALS WILL AFFECT THE POLISHING PROCESS.
- WET CURES ARE MOST SUITABLE, BUT IF THIS CANNOT BE ACHIEVED, USE A DISPERSING CURE AND SEAL. NOTE: IF MATERIAL HAS NOT DISPASSED BEFORE GRINDING HAS BEGUN EXTRA COST MAY BE INCURRED FOR ITS REMOVAL.
- USE ONE SOURCE FOR CEMENT, AGGREGATES, AND POZZOLANS THROUGHOUT THE PROJECT TO MAINTAIN CONSISTENCY. DO NOT USE CALCIUM CHLORIDE-BASED ADMIXTURES. NON-CHLORIDE ADMIXTURES MAY BE USED.
- WASH OUT ALL DRUMS BEFORE LOADING. KEEP SLUMPS CONSISTENT WITH A MAXIMUM OF 5. MINIMIZE DRYER ABOVE WATER MAINTAINING A 0.45 WATER CONTENT RATIO.
- PLACE CONCRETE TO ADHERE AS TRUE AND SMOOTH A TOP SURFACE AS POSSIBLE. MOUNDS OR DIPS ARE NOT ACCEPTABLE. GO SHALL CONTROL OVERALL FLATNESS AND LEVELNESS, INCLUDING ON SLOPING AREAS TO WITHIN TOLERANCES PERMITTED BY SPECIFICATION - ASTM E1155.

**FLATNESS / LEVELNESS REQUIREMENTS**

FLOOR FLATNESS (F) - 40 ± 5  
 FLOOR LEVELNESS (L) - 35 ± 5

**PRE-ENGINEERED METAL BUILDING**

- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, COORDINATION, FABRICATION, AND ERECTION OF THE PRE-ENGINEERED METAL BUILDING SUPERSTRUCTURE INCLUDING COLUMN BASE PLATES AND ANCHORAGE. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DETAILING ASPECTS OF THE METAL BUILDING CONSTRUCTION AND DESIGN CALCULATIONS FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS AND CALCULATIONS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.
- SHOP DRAWING REVIEW IS FOR CONFORMANCE TO DESIGN INTENT ONLY. THE ARCHITECT AND STRUCTURAL ENGINEER ASSUME NO RESPONSIBILITY FOR THE DESIGN OF THE METAL BUILDING SUPERSTRUCTURE AS A RESULT OF SHOP DRAWING REVIEW.
- G.C. TO COORDINATE THE INTEGRATION OF THE METAL BUILDING COMPONENTS WITH THE ARCHITECTURAL FOUNDATION REQUIREMENTS. DEVIATIONS TO BE COORDINATED BEFORE ERECTION COMMENCES.
- MECHANICAL DUCTS, PIPES AND EQUIPMENT ARE SUPPORTED BY THE ROOF GIRDERS AND PURLINS. THE ROOF GIRDERS, PURLINS, AND ANY AUXILIARY COMPONENTS SHALL BE DESIGNED TO SUPPORT SUCH LOADS. ALL INFORMATION (WEIGHTS AND LOCATIONS) PERTAINING TO MECHANICAL EQUIPMENT SUSPENDED FROM THE BUILDING ROOF SHALL BE SUBMITTED TO THE PRE-ENGINEERED METAL BUILDING ENGINEER FOR APPROVAL.
- DESIGN LOADS FOR PRE-ENGINEERED METAL BUILDING SHALL BE IN ACCORDANCE WITH LOCAL CODES AND DESIGN CONDITIONS. G.C. TO VERIFY LOADS WITH LOCAL BUILDING OFFICIALS AND GEOTECHNICAL REPORTS.



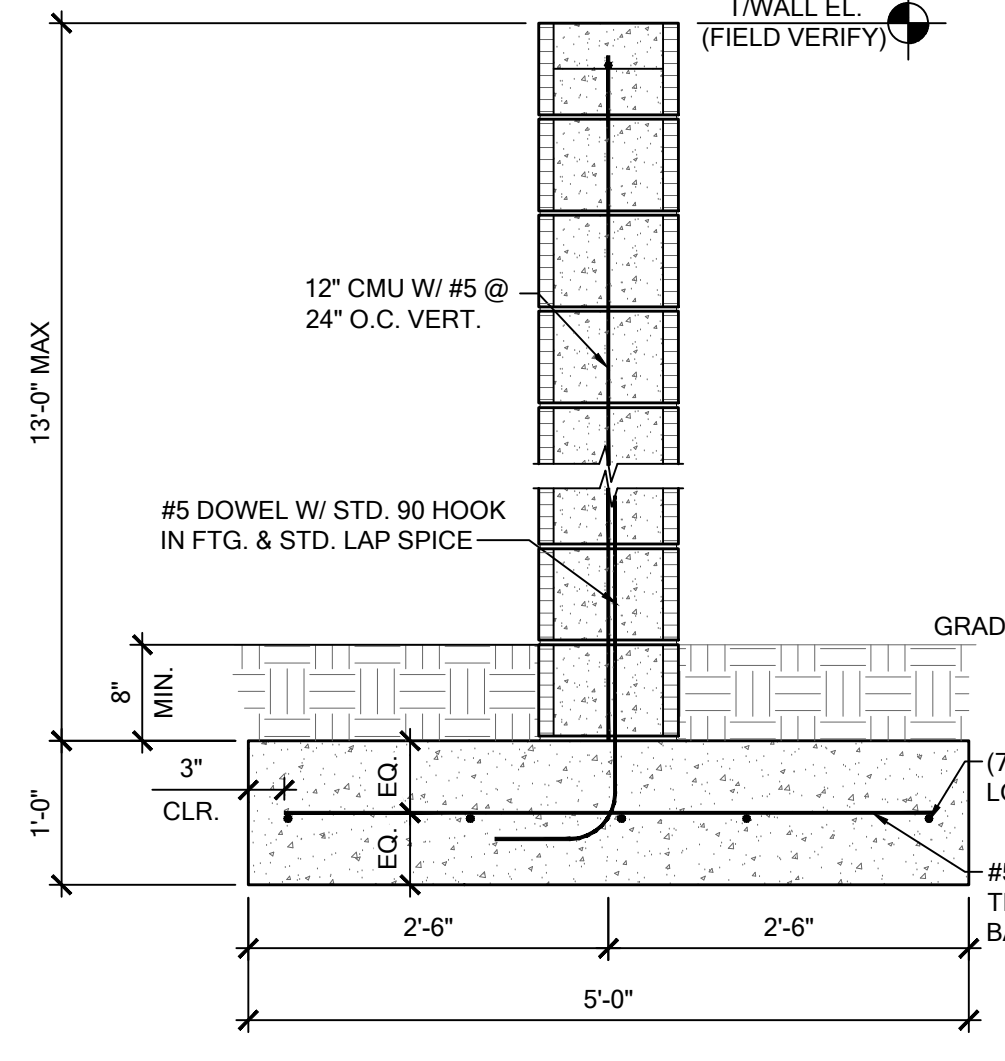
**FOUNDATION PLAN**  
 SCALE: 1/8" = 1'-0"

FOUNDATION SCHEDULE				
MARK	SIZE (L x W x D)	REINFORCING	T/FTG EL	REMARKS
F4.0	4'-0" x 4'-0" x 1'-0"	(5) #5 EA. WAY (BOTTOM ONLY)	98'-0"	PAD FOOTING
F5.0	5'-0" x 5'-0" x 1'-0"	(6) #5 EA. WAY (BOTTOM ONLY)	98'-0"	PAD FOOTING
F5.0(A)	5'-0" x 5'-0" x 2'-4"	(6) #5 EA. WAY (TOP & BOTTOM)	99'-4"	PAD FOOTING
F6.0	6'-0" x 6'-0" x 1'-0"	(7) #5 EA. WAY (BOTTOM ONLY)	98'-0"	PAD FOOTING
F8.0	8'-0" x 8'-0" x 2'-4"	(9) #5 EA. WAY (TOP & BOTTOM)	99'-4"	PAD FOOTING

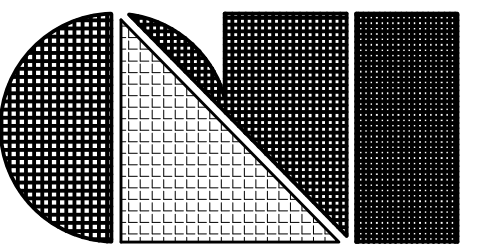
NOTE:  
 G.C. RESPONSIBLE FOR BORINGS @ FINAL BLDG. LOCATION CHOSEN. VERIFY GRADING PER CIVIL DRAWINGS. G.C. TO CONTACT ARCHITECT/STRUCTURAL ENGINEER TO DETERMINE IF STEPPED FOOTINGS ARE TO BE PROVIDED FOR GRADE CHANGES AT PERIMETER OF BLDG.  
 GEOTECHNICAL INVESTIGATION RECOMMENDATIONS OF THE SOIL BELOW THE BUILDING AND PARKING LOT ARE TO BE FOLLOWED, AS WELL AS ANY ACCORDANCE WITH DOT STANDARDS FOR SITE WORK, AS REQUIRED.  
 PROVIDE A FOUNDATION DRAIN AT THE BUILDING PERIMETER THAT COMPLIES WITH IBC SECTION 1807.4.2 WHEN GRADE EXCEEDS THE FINISHED FLOOR. PERFORATED PLASTIC PIPE IS ACCEPTABLE.

**FOUNDATION DESIGN INFORMATION**

ALL FOUNDATION DESIGN IS BASED ON ALLOWABLE SOIL BEARING PRESSURE OF 1,500 PSF. ALL RECOMMENDATIONS FOR FILL, SITE PREPARATION, SUBGRADE COMPACTION, ETC. AS SPECIFIED IN THE GEOTECHNICAL REPORT SHALL BE FOLLOWED.



**1 UNRESTRAINED FDN. WALL DETAIL**  
 SCALE: 3/4" = 1'-0"



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

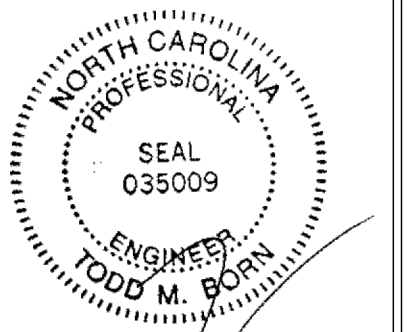
Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELTT.COM

ARCHITECT'S PROJECT # 21112

Project :  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 RURAL-VB PROTOTYPE

Sheet Description :  
**FOUNDATION DETAILS**

Seal



May 4, 2022

TO THE BEST OF HIS KNOWLEDGE AND UNDERSTANDING, THE STRUCTURAL PLANS AND SPECIFICATIONS COMPLY WITH THE CURRENT NORTH CAROLINA BUILDING CODES, ORDINANCES AND RULES FOR THE STRUCTURAL DESIGN OF THIS PROJECT.

[JOB #: 22.137]

THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C. L. HELT ARCHITECT INC. AND/OR TIMOTHY JOHNSTON, ARCHITECT

Drawn By :

J. OCASIO

Checked By :

T. BORN

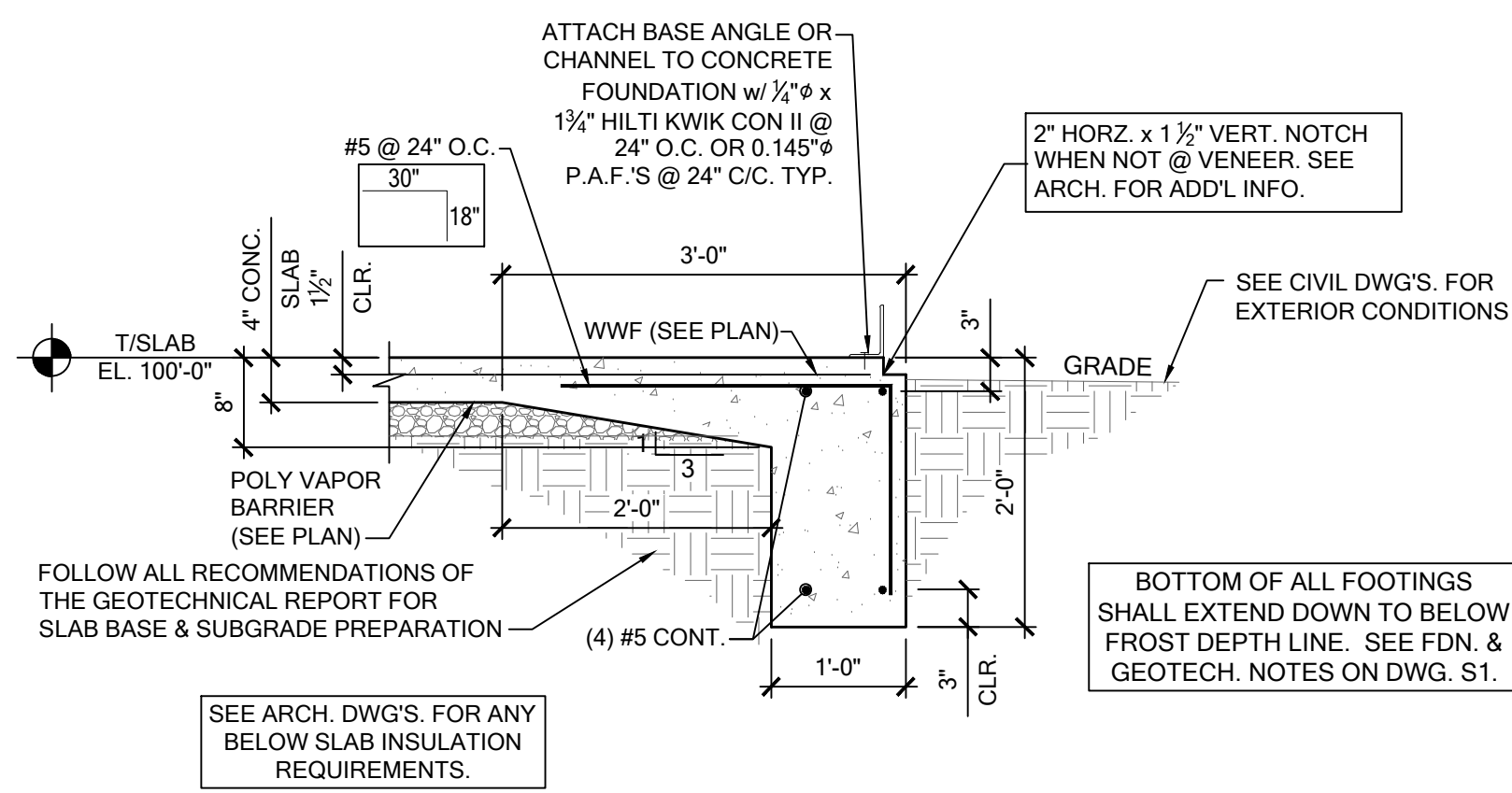
Revisions :

Date :

02/15/22

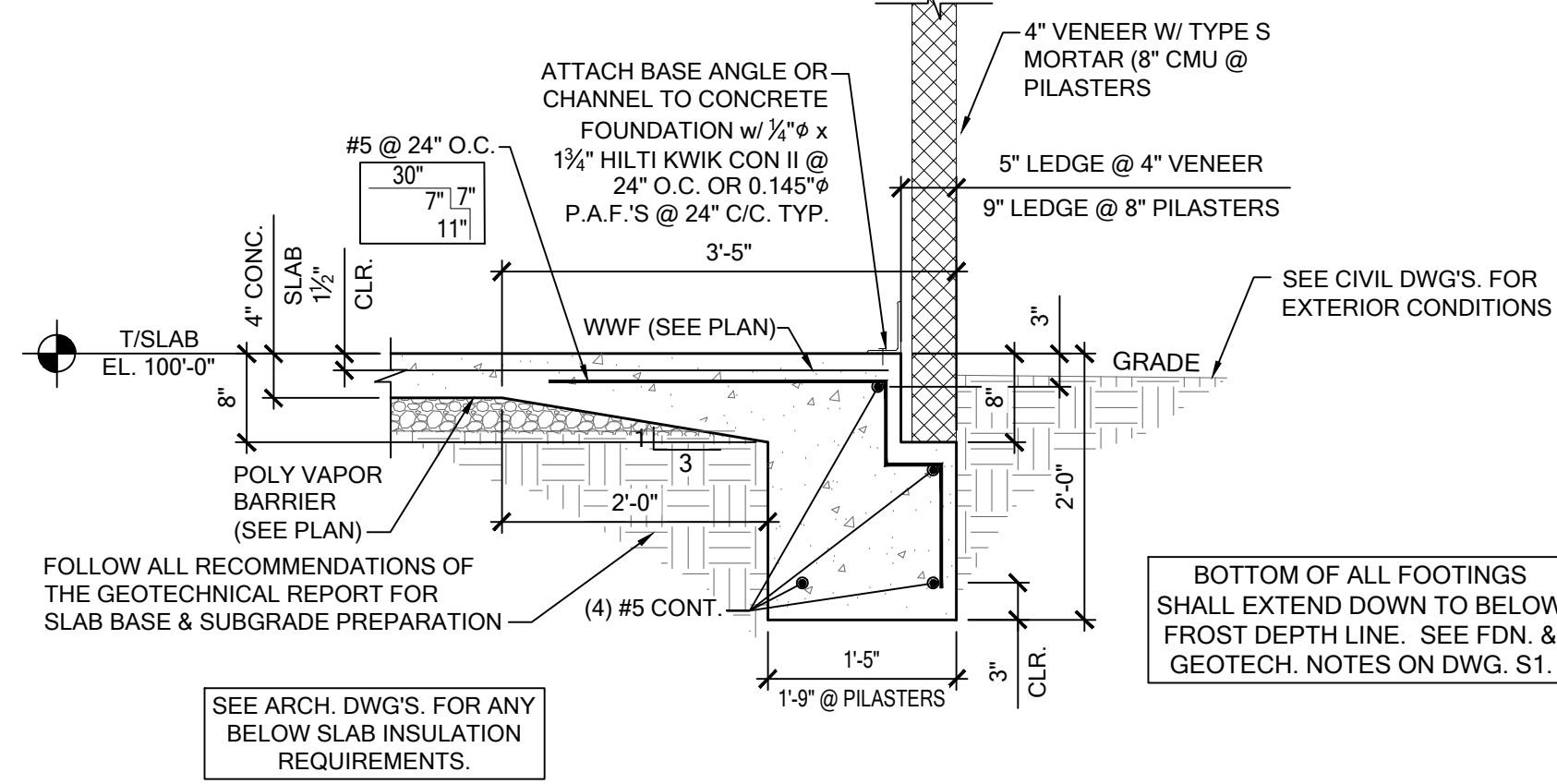
Sheet No.

S2



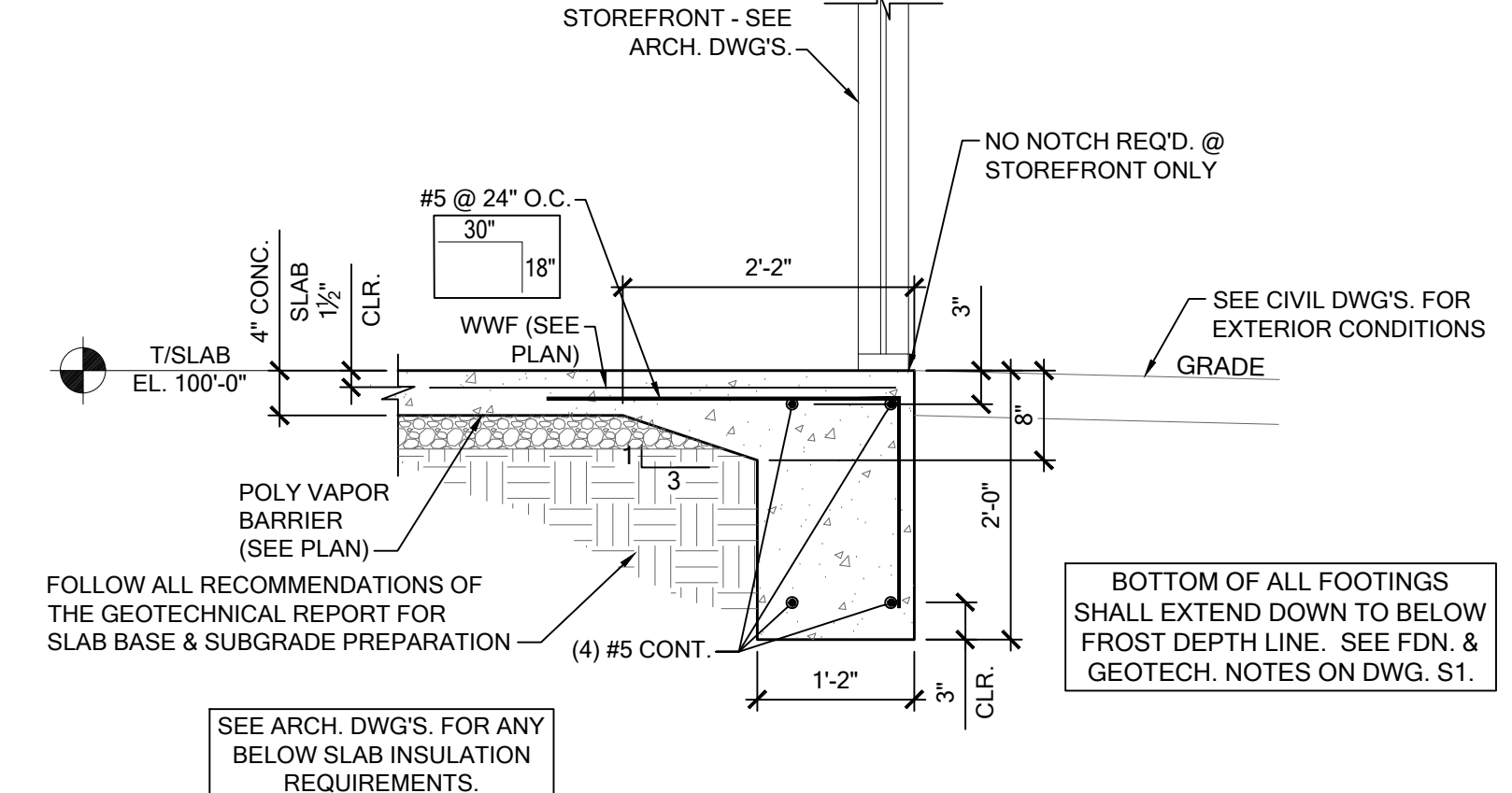
1 SECTION @ SLAB TURN-DOWN

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



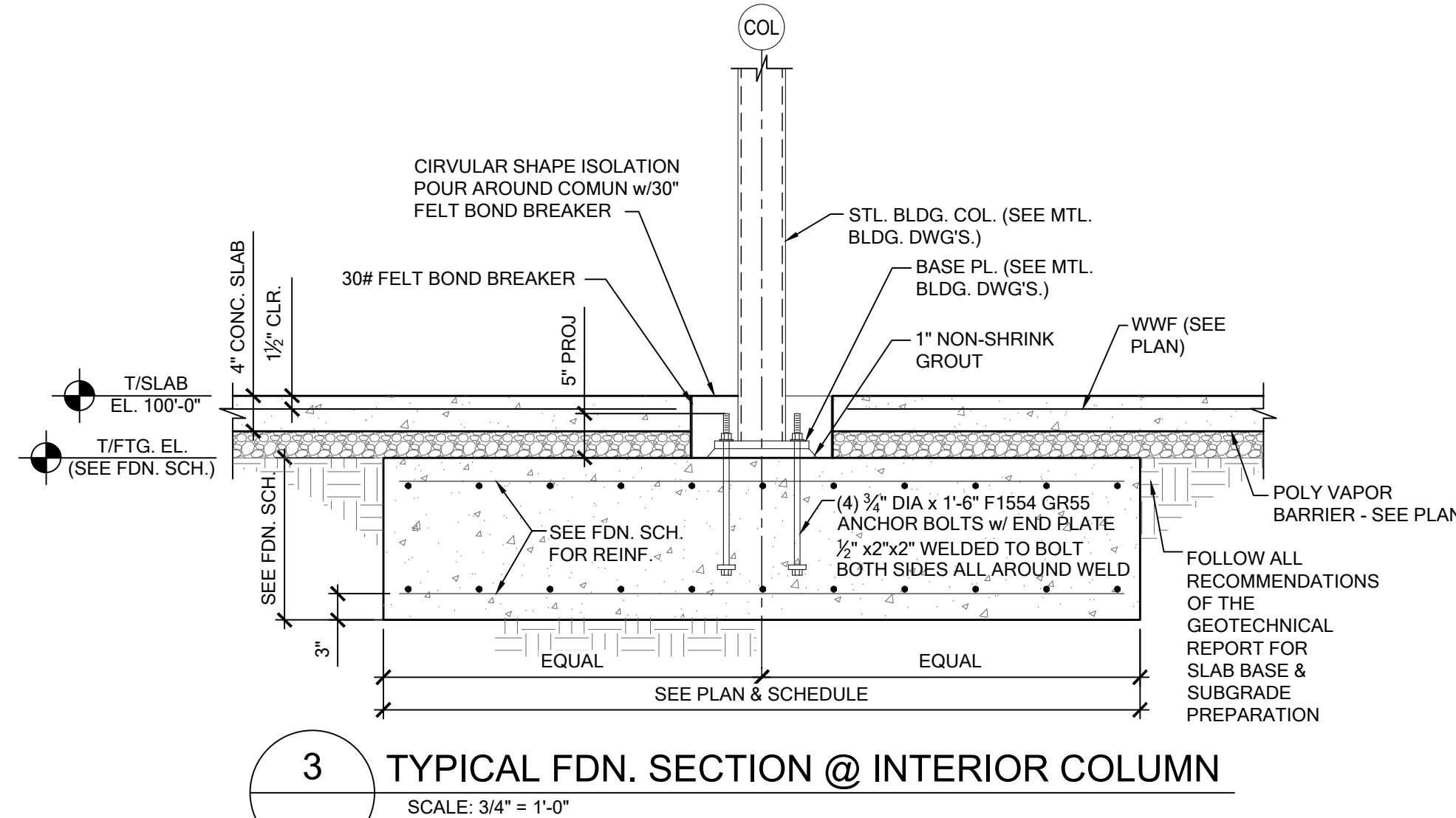
1A SECTION @ SLAB TURN-DOWN W/ VENEER

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



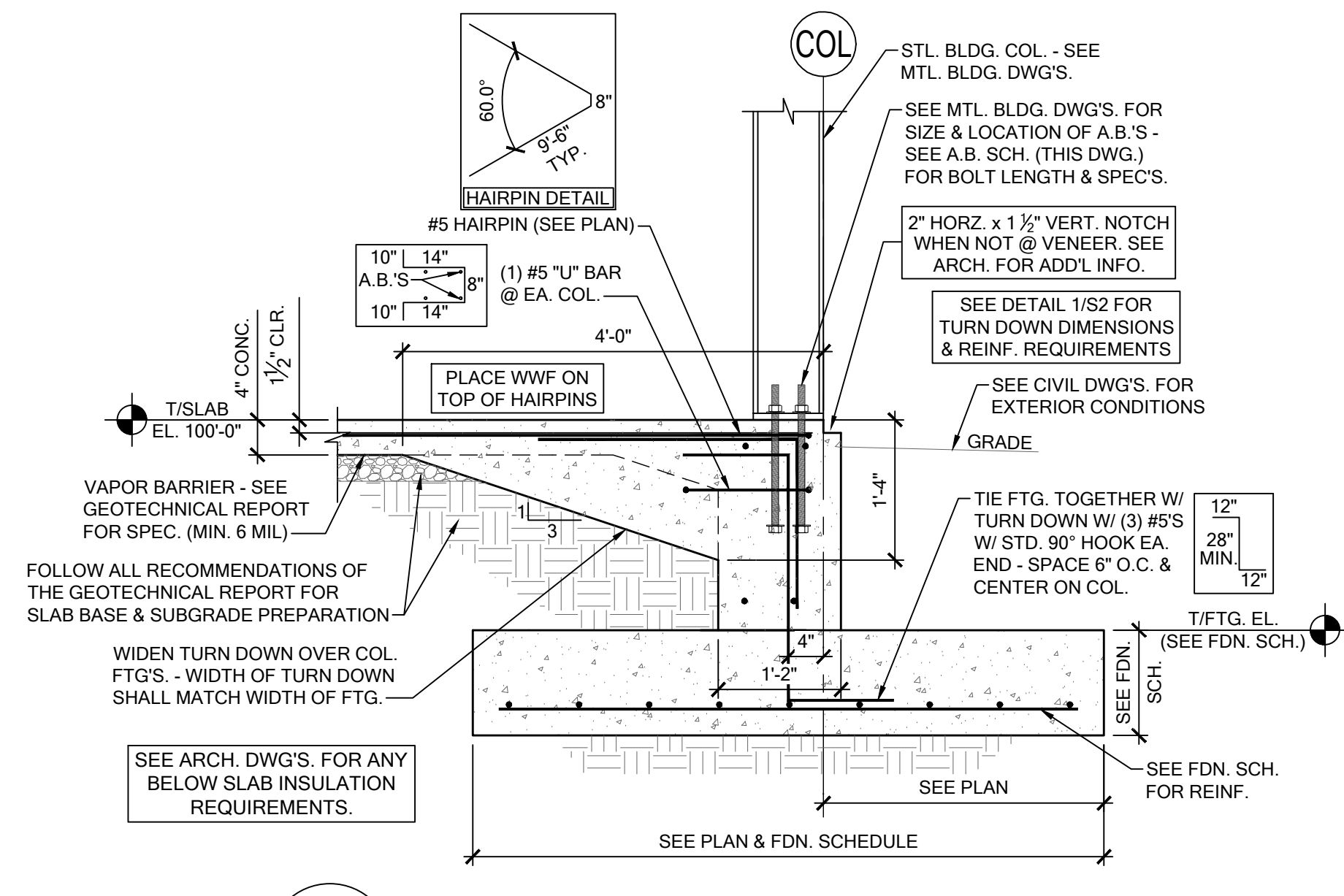
2 TYPICAL SECTION @ STOREFRONT

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



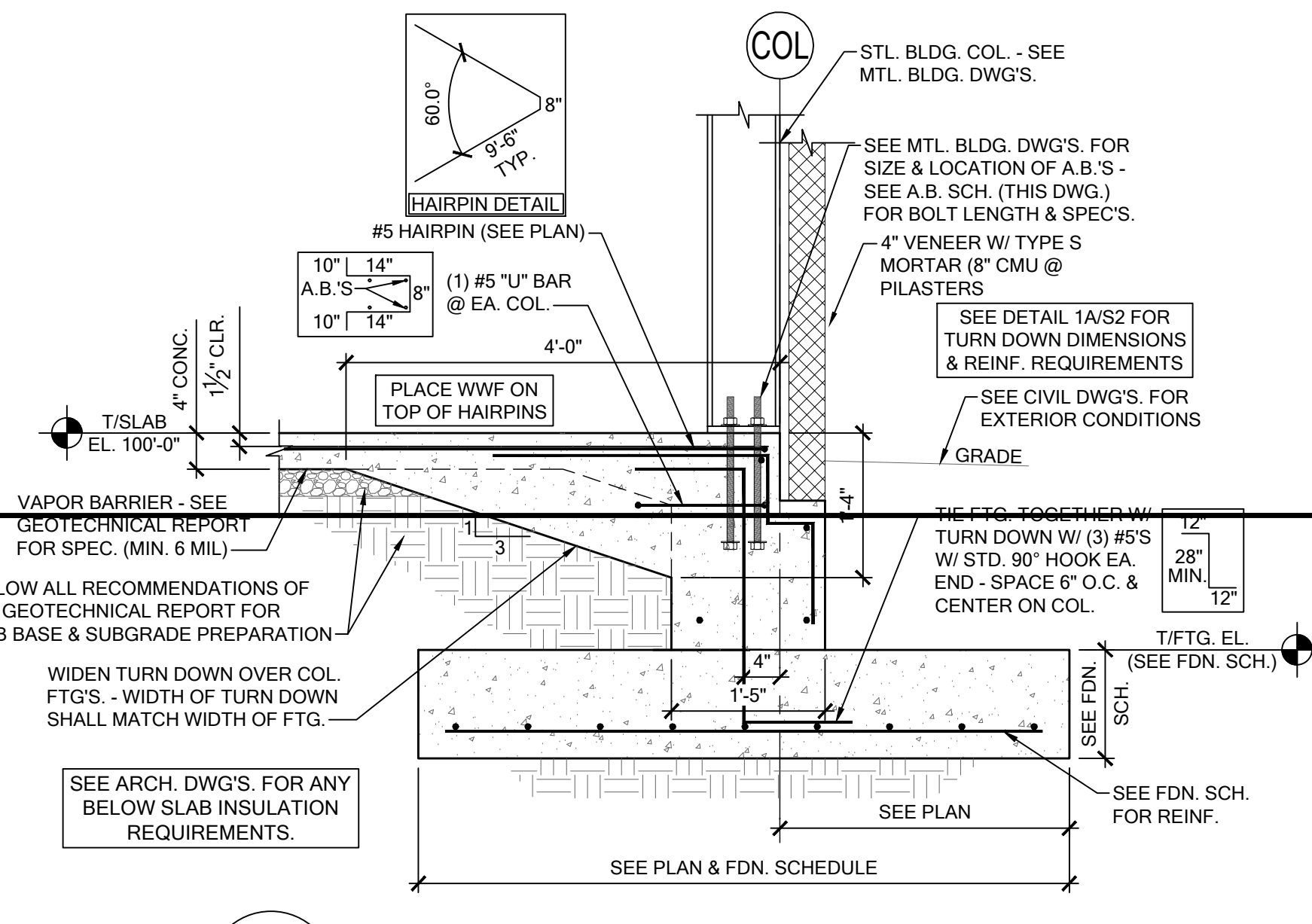
3 TYPICAL FDN. SECTION @ INTERIOR COLUMN

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



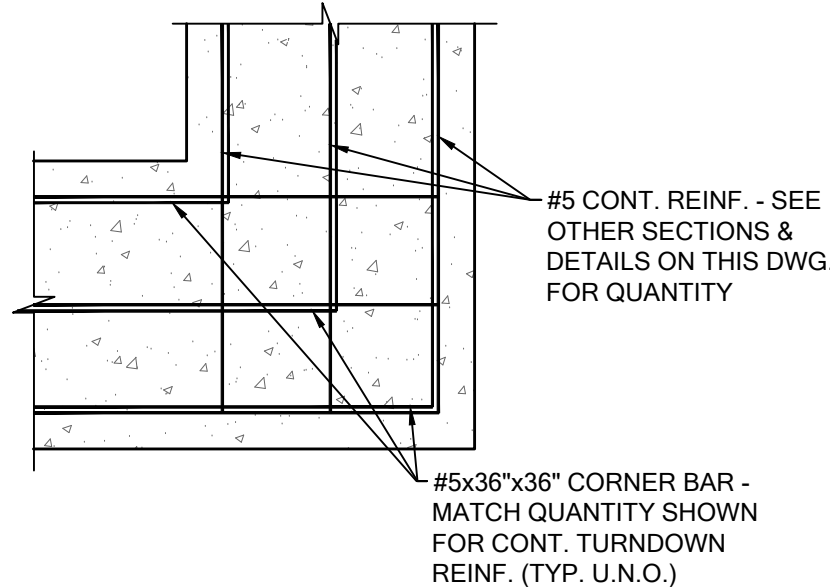
4 TYPICAL FDN. SECTION @ PERIMETER COLUMN

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



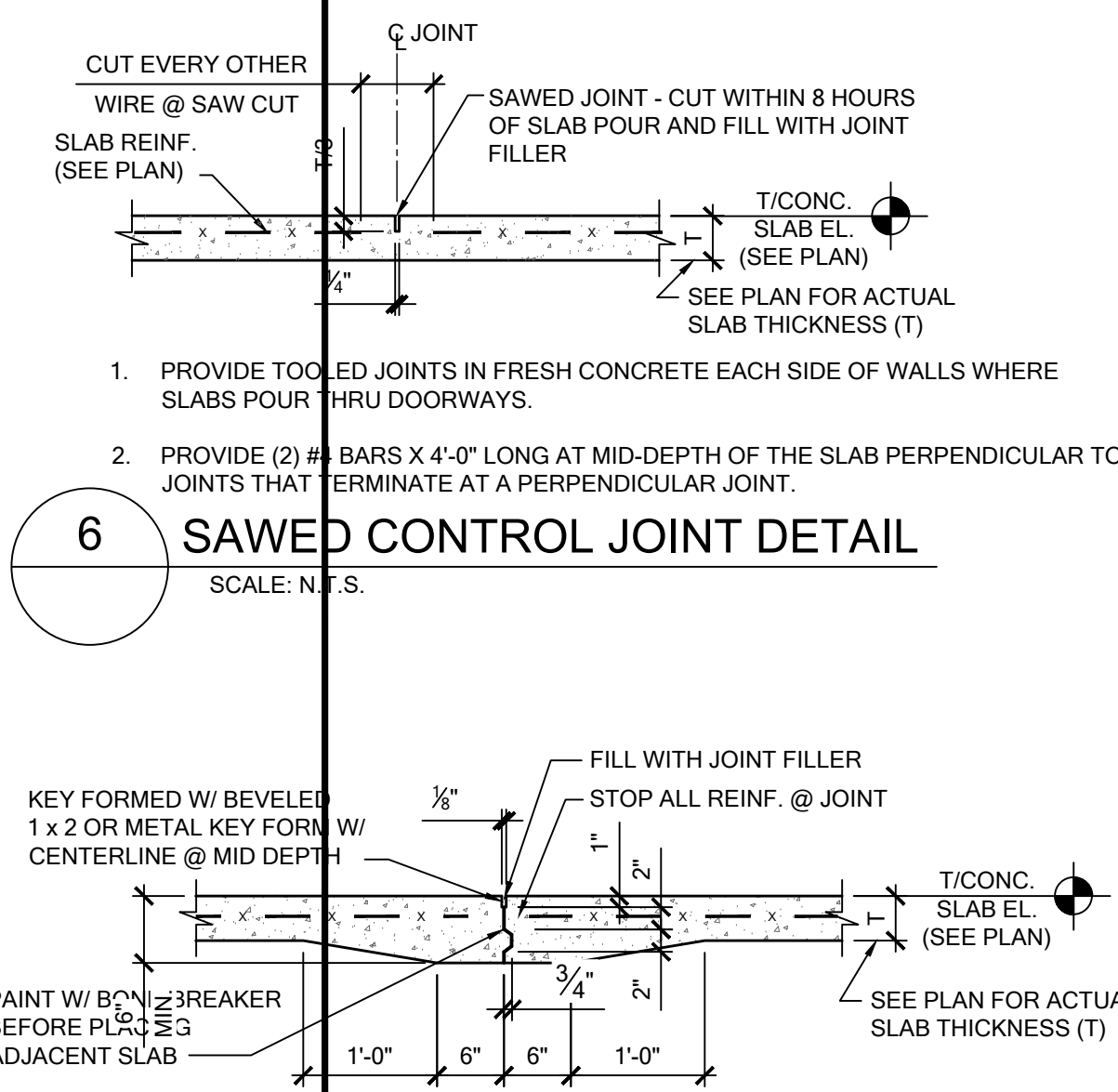
4A TYPICAL FDN. SECTION @ PERIMETER COLUMN

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



5 TYP. TURNDOWN CORNER DETAIL

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



6 SAWED CONTROL JOINT DETAIL

SCALE: N.T.S.

7 CONSTRUCTION JOINT (COLD JOINT) DETAIL

SCALE: N.T.S.

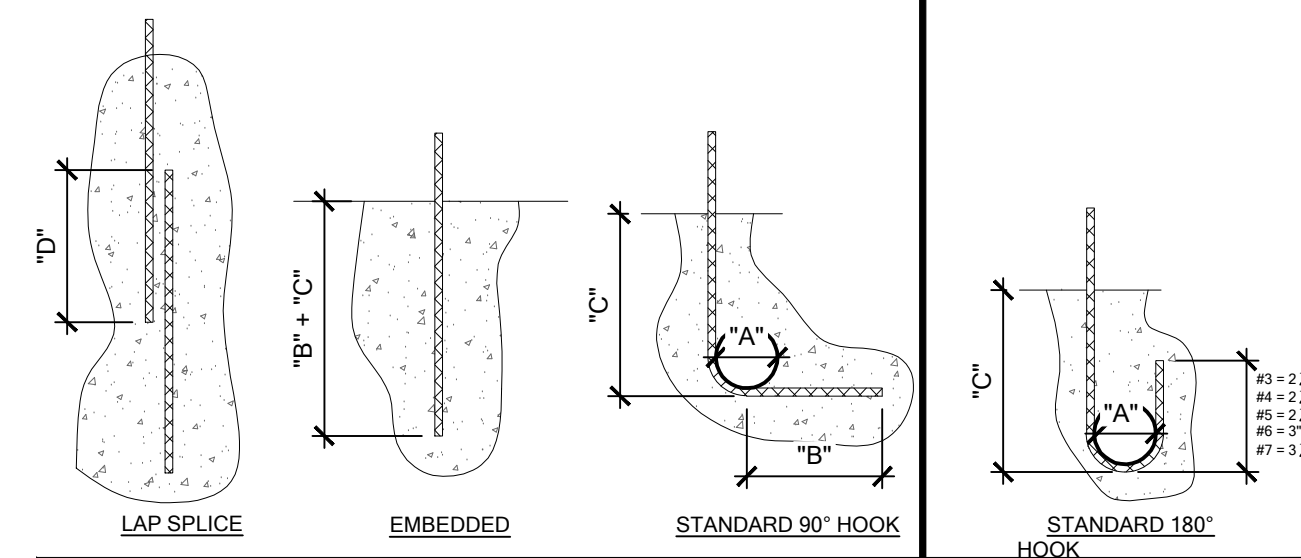
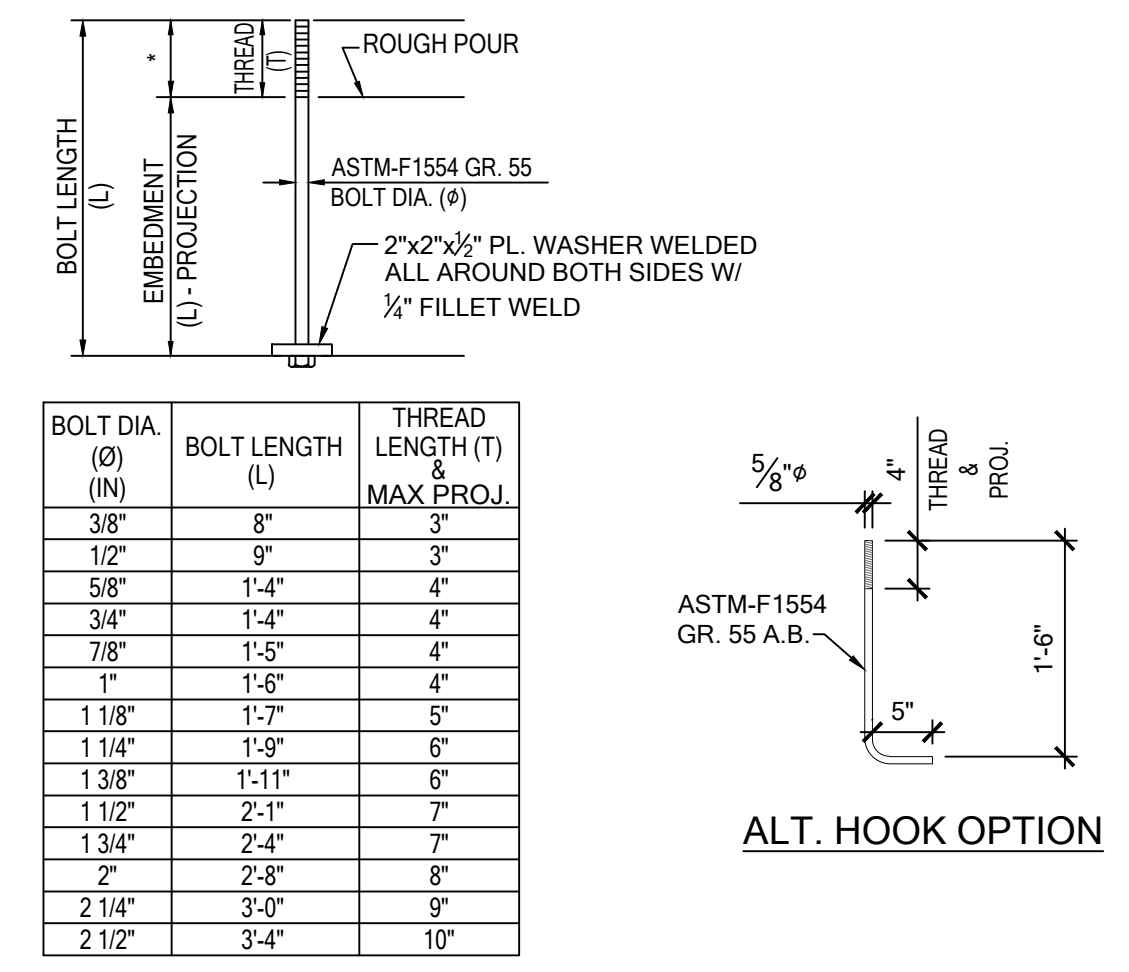


Table with 7 columns: BAR SIZE, BEND, LENGTH, ALL LOC., TENSION SPLICE, COMPRESSION SPLICE. Rows for bar sizes #3 through #7.

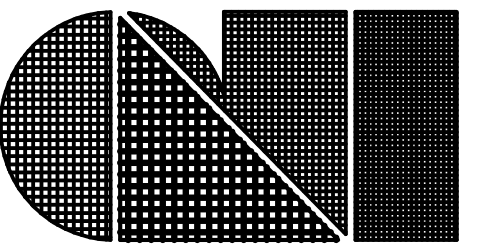
8 REBAR BEND & SPLICE DETAIL

SCALE: N.T.S.



9 ANCHOR BOLT SCHEDULE

SCALE: N.T.S.



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

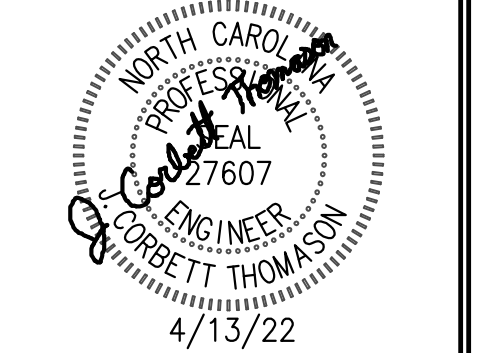
Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**PLUMBING**  
**COVER SHEET**  
FAMILY DOLLAR RISK CLASS 0

**Seal**  
**ENGINEER OF RECORD:**  
J. CORBETT THOMASON, P.E.  
Corbett Engineering PC  
Firm # C-4109  
2120 DILWORTH RD EAST  
CHARLOTTE, NC 28203  
PH (704) 333-1020  
Corbett@CorbettEngineering.com



THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C.L. HELT ARCHITECT INC., AND OR TIMOTHY JOHNSTON, ARCHITECT

**Drawn By :**  
C. THOMASON

**Checked By :**  
C. THOMASON

**Revisions :**

**Date :**  
02/15/22

Sheet No.

### PLUMBING GENERAL NOTES

#### GENERAL REQUIREMENTS:

- SCOPE: PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES.
- PERMITS: APPLY FOR AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION.
- WARRANTY: PROVIDE ALL MATERIALS AND EQUIPMENT UNDER THIS SECTION OF THE SPECIFICATIONS WITH A ONE YEAR WARRANTY FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER.
- COORDINATION: VERIFY ALL ROUGH-IN LOCATIONS AND COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID CONFLICTS. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR ALL STRUCTURES, PIPING, CONDUIT, DUCTWORK, LIGHTING, ETC. TO PROPERLY BE INSTALLED. ANY CONFLICTS SHALL BE RESOLVED AT NO CHARGE TO THE OWNER. COORDINATE INSTALLATION OF ALL PLUMBING LINES AT CMU WALLS SO THAT PLUMBING LINES ARE PLACED IN WALL DURING CMU WALL CONSTRUCTION. CUTTING AND PATCHING OF CMU WALLS IN PLACE WILL NOT BE PERMITTED.
- FIELD VERIFICATION: FIELD VERIFY EXISTING CONDITIONS BEFORE STARTING CONSTRUCTION AND NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS AND/OR ANY POTENTIAL PROBLEMS OBSERVED BEFORE CONTINUING WORK IN THE EFFECTED AREAS.
- PLUMBING SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO:
  - PLUMBING FIXTURES AND EQUIPMENT
  - FIRE STOPPING
  - DOMESTIC WATER SYSTEM
  - SANITARY WASTE AND VENT SYSTEM

#### FIXTURES & EQUIPMENT:

- ALL PLUMBING FIXTURES AND PLUMBING SYSTEM EQUIPMENT SHALL BE PROVIDED COMPLETE WITH ALL ACCESSORIES, HANGERS, VALVES, STOPS, TAILPIECES, TRAPS, FAUCETS, STRAINERS, ETC. PROVIDE ISOLATION VALVES AT ALL PLUMBING FIXTURES AND EQUIPMENT. SEE FIXTURE SCHEDULE.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND LOCATIONS OF ALL PLUMBING FIXTURES AND EQUIPMENT.

#### FIRE STOPPING:

- PROVIDE A U.L. LISTED ASSEMBLY FOR ALL PIPING PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.

#### DOMESTIC WATER PIPING:

- PROVIDE A COMPLETE SYSTEM OF HOT AND COLD WATER PIPING FROM ALL PLUMBING FIXTURES AND/OR OTHER EQUIPMENT. HOT AND COLD WATER LINES SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION WHERE POSSIBLE.
- DOMESTIC WATER PIPING BELOW SLAB: SOFT ANNEALED SEAMLESS COPPER TUBING, TYPE 'K' WITH NO JOINTS BELOW SLAB (ASTM B 88). IF ALLOWED BY LOCAL JURISDICTION, PEX PIPING MAY BE RUN BELOW SLAB. PROVIDE SLEEVING WHERE PEX PIPING PENETRATES CONCRETE SLAB OR IS SUBJECT TO ABRASION AND AS RECOMMENDED BY MANUFACTURER.
- DOMESTIC WATER PIPING AND JOINTS ABOVE SLAB: PEX PIPING (ASTM F 876) UNLESS LOCAL JURISDICTION REQUIRES OTHER MATERIAL.
- STERILIZE DOMESTIC WATER PIPING IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION'S SPECIFICATIONS AND LOCAL HEALTH DEPARTMENT REGULATIONS.
- INSULATION IS REQUIRED ON ALL WATER SUPPLY PIPING ABOVE FINISHED FLOOR IN ACCORDANCE WITH THE STATE PLUMBING CODE OR PER LOCAL JURISDICTION. ALL PIPE INSULATION SHALL RUN CONTINUOUSLY THROUGH FLOORS, WALLS, AND PARTITIONS.
- DOMESTIC WATER PIPING INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES SHALL MEET A FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ASTM E84 (NFPA 255) METHOD.
- DO NOT INSTALL DOMESTIC WATER PIPING IN AREAS SUBJECT TO FREEZING TEMPERATURES. INSTALL WATER PIPING IN EXTERIOR WALLS ON THE CONDITIONED SIDE OF THE WALL INSULATION.
- PROVIDE FULL PORT VALVES IN ALL BRANCH LINES OF THE HOT AND COLD WATER DISTRIBUTION SYSTEM ON 1/2" AND LARGER CW & HW AND AS SHOWN ON PLANS, RISERS, AND SCHEMATIC DETAILS.
- PROVIDE ACCESS DOORS FOR ALL VALVES AND DEVICES REQUIRING ACCESS WHEN LOCATED IN WALLS OR ABOVE INACCESSIBLE CEILING CONSTRUCTION.
- COPPER PIPING SHALL BE PROTECTED AGAINST CONTACT WITH MASONRY OR DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER PLATED. WHERE COPPER PIPING IS CARRIED ON IRON TRAPEZE HANGERS WITH OTHER PIPING, SATISFACTORY AND PERMANENT ELECTROLYTIC ISOLATION MATERIAL SHALL PROTECT THE COPPER AGAINST CONTACT WITH OTHER METALS.
- WHERE COPPER PIPING IS SLEEVED THROUGH MASONRY, SLEEVES SHALL BE COPPER OR RED BRASS. WHERE COPPER MUST BE CONCEALED IN A MASONRY PARTITION OR AGAINST MASONRY, CONTACT SHALL BE PREVENTED BY COATING THE COPPER HEAVILY WITH ASPHALTIC ENAMEL AND PROVIDING 15# ASPHALT SATURATED FELT BETWEEN THE PIPE AND MASONRY.
- PROVIDE CHROME ESCUTCHEON RINGS AT ALL EXPOSED CEILING AND WALL PENETRATIONS.

#### SANITARY WASTE AND VENT PIPING:

- PROVIDE A COMPLETE SYSTEMS OF SOIL, WASTE, AND VENT PIPING FROM ALL PLUMBING FIXTURES AND/OR OTHER EQUIPMENT. ALL SOIL, WASTE AND VENT LINES SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION WHERE POSSIBLE.
- INVERT ELEVATIONS SHALL BE ESTABLISHED AND VERIFIED BEFORE WASTE PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED.
- SANITARY WASTE AND VENT PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC (ASTM D 2665) WITH SCHEDULE 40 SOCKET-TYPE PIPE FITTINGS (ASTM D 3311).
- SLOPE SANITARY WASTE PIPING 2 1/8" AND SMALLER AT 1/4" PER FOOT MIN. SLOPE SANITARY WASTE PIPING 3" AND LARGER AT 1/8" PER FOOT MINIMUM.
- WHERE WASTE PIPING IS EXPOSED IN REST ROOM AREAS, PROVIDE CHROME PLATED BRASS PIPING, WITH MATCHING STOPS AND ESCUTCHEONS. PROVIDE REMOVABLE TRAPS WITH INTEGRAL CLEANOUT PLUG FOR ALL LAVATORIES.
- CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS. PROVIDE CLEANOUTS AT THE BASE OF ALL WASTE STACKS, AT EVERY FOUR 45 DEGREE TURNS, AND AT EVERY 100 FEET. CLEANOUTS SHALL BE PLACED IN READILY ACCESSIBLE LOCATIONS.
- PROVIDE CHROME ESCUTCHEON RINGS AT ALL EXPOSED CEILING AND WALL PENETRATIONS.
- COMPLETELY ROD AND FLUSH OUT ALL SANITARY WASTE LINES AFTER BUILDING IS COMPLETED.

#### PIPING AND EQUIPMENT SUPPORT:

- ALL SUSPENDED MATERIALS AND EQUIPMENT SHALL BE INDIVIDUALLY SUPPORTED FROM THE BUILDING STRUCTURE PER CODE. DO NOT SUSPEND ITEMS FROM THE CEILING OR ITS SUPPORT SYSTEM.

#### SEISMIC REQUIREMENTS:

- PROPERLY SUPPORT AND BRACE VERTICALLY AND HORIZONTALLY ALL PIPING, APPARATUS, EQUIPMENT, ETC. IN ACCORDANCE WITH APPLICABLE CODES TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.

**NOTE TO CONTRACTORS**

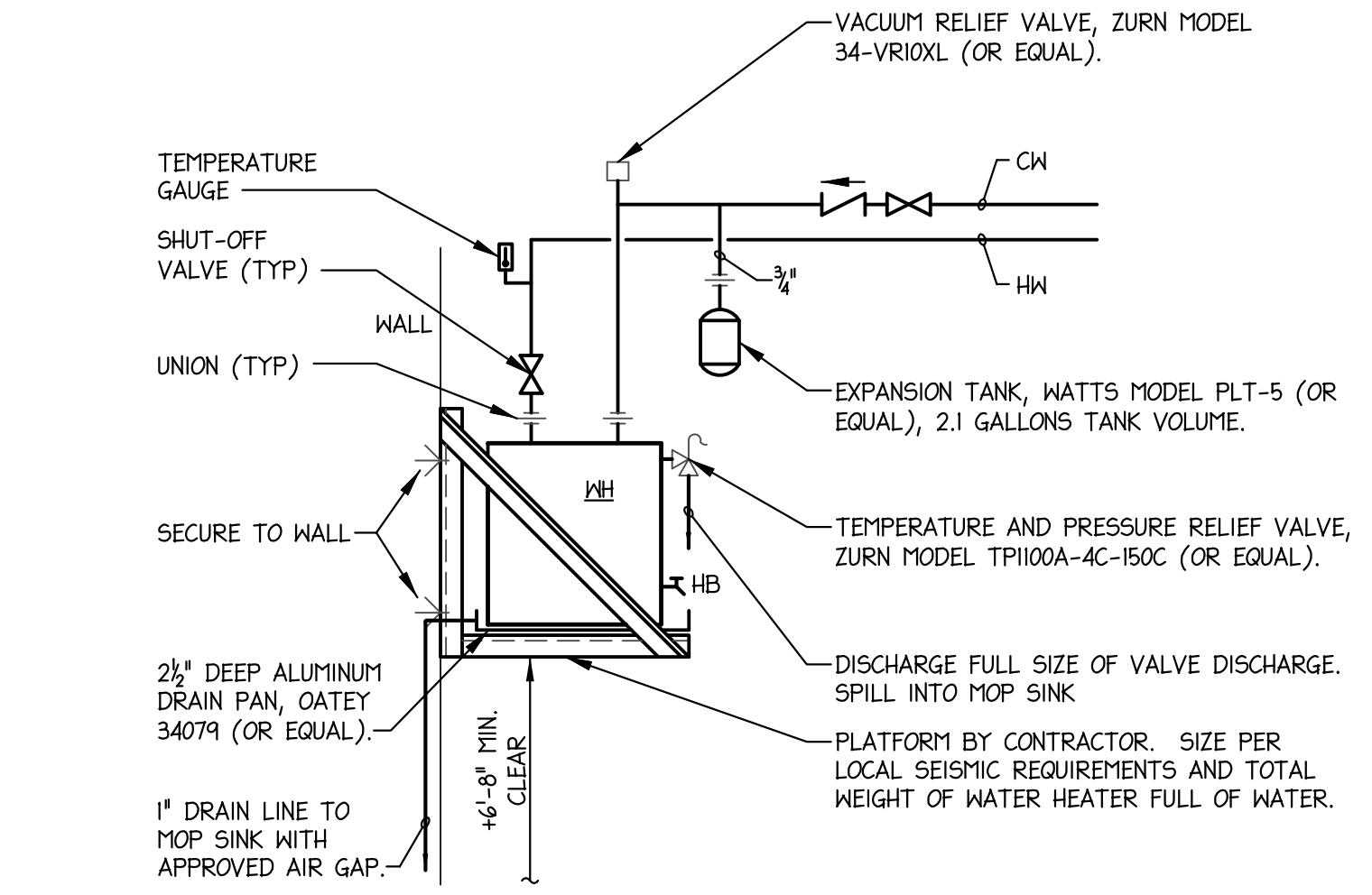
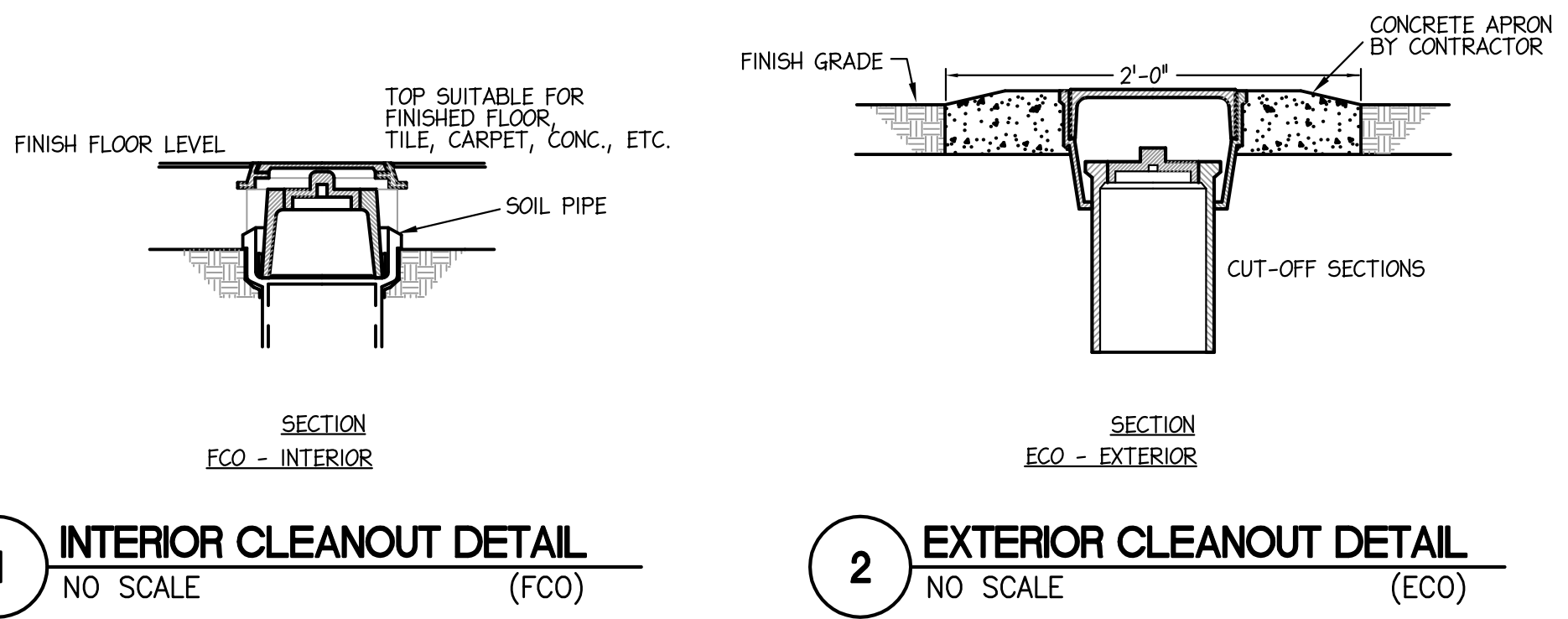
- RUN ALL ELECTRICAL CONDUITS, PLUMBING PIPING SO AS NOT TO INTERFERE WITH STORE FIXTURE EQUIPMENT LAYOUTS, OR ANY OTHER FAMILY DOLLAR EQUIPMENT.
- CONTRACTORS TO ROUTE ALL CONDUITS, PLUMBING PIPING TIGHT TO STRUCTURE AND PERPENDICULAR TO WALL IN AN ORDERLY MANNER.

### PLUMBING FIXTURE SCHEDULE

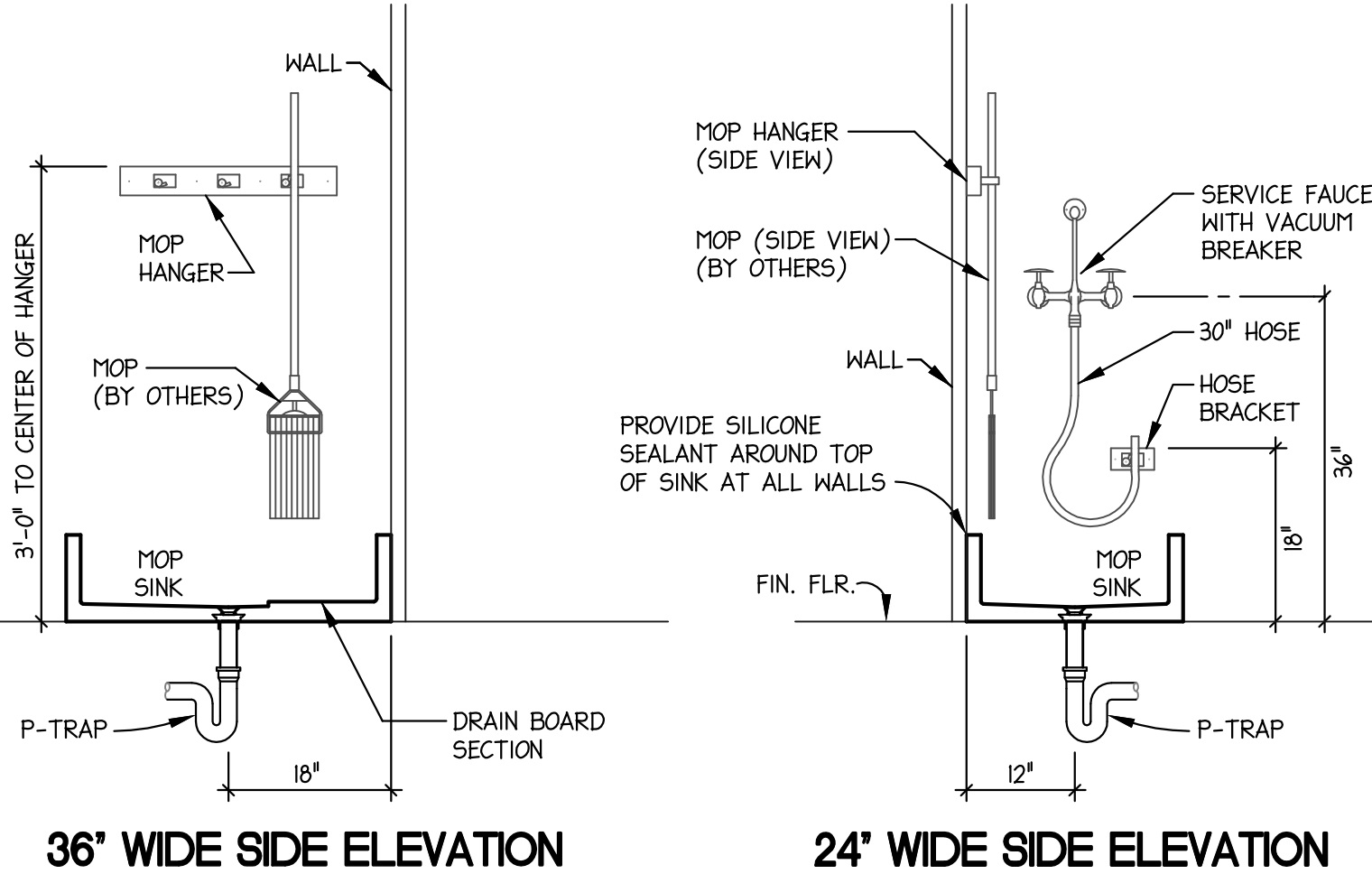
MARK	FIXTURE TYPE	MANUFACTURER & MODEL NUMBER (OR EQUAL ACCEPTED)	FIXTURE CONNECTIONS				REMARKS
			CW	HW	H	V	
DF	BI-LEVEL HANDICAP DRINKING FOUNTAIN	ELKAY MODEL NO. EMABFT_DDLG NON-REFRIGERATED	1/2"	---	1 1/2"	1 1/2"	FURNISH STANDARD CABINET FINISH FOUNTAIN SUPPLY STOP & TUBE DRAIN KIT, WALL HANGER KIT AND CANE APRON KIT.
EQO	EXTERIOR CLEANOUT	ZURN MODEL #1454-HD	---	---	LINE SIZE	---	SIZE PER PIPING LATERAL, 4" MAX. PROVIDE WITH 10 X 10 X 4 INCH THICK CONCRETE PAD SET FLUSH TO GRADE.
EQO	FLOOR CLEANOUT	ZURN MODEL #1454	---	---	LINE SIZE	---	SIZE PER PIPING LATERAL, 4" MAX.
EPHB	HOSE BIBB	ZURN MODEL #1321XL-MC	---	---	3/4"	---	3/4" NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING WITH INTEGRAL BACKFLOW PREVENTER. SIZE PER WALL THICKNESS.
MS	FLOOR MTD. MOP SINK	ZURN MODEL Z1946-36	1/2"	1/2"	3"	2"	FURNISH SINK, ZURN MODEL NO. Z843MI SERVICE SINK FAUCET WITH BUILT-IN VACUUM BREAKER, HOSE AND BRACKET, MOP HANGER, AND DRAIN KIT.
LAV	HANDICAP WALL HUNG LAVATORY	ZURN MODEL NO. Z5344 WITH 1/2 GPM FLOW RESTRICTOR, GRID DRAIN. FAUCET HOLES ON 4" CENTERS	1/2"	1/2"	1 1/2"	1 1/2"	FURNISH LAVATORY, ZURN Z86500-XL LEAD FREE METERING FAUCET, WALL HANGER KIT, SUPPLY STOPS & TUBES, DRAIN, AND ADA PIPING PROTECTION.
TMV	MIXING VALVE	ZURN ZN8010-XLT	3/8"	3/8"	---	---	3/8" TEMPERED OUTLET, MAX OUTLET TEMP. 105F IN ACCORDANCE WITH NSF/ANSI 61-1 AND AND 1070, AND NSF/ANSI 61.4.
WC	HANDICAP WATER CLOSET	ZURN MODEL Z5560 17" H ELONGATED PRESSURE ASSIST 1.6 G.P.F.	1/2"	---	3"	2"	FURNISH ADA CLOSET & TANK, ADA OPEN FRONT SEAT, SELF SUSTAINING HINGE, FLOOR FLANGE, CLOSET BOLTS & GAPS, MAX. RING, SUPPLY STOP & TUBE. FLUSH CONTROL MUST BE LOCATED ON THE WIDE/ACCESS SIDE OF THE WC (SIDE OPPOSITE THE WALL).
WH	ELECTRIC WATER HEATER	RHEEM MODEL NO. EG6P10 WITH OATEY 34079 DRAIN PAN AND ZURN 34-VRI0XL VACUUM RELIEF VALVE	3/4"	3/4"	---	---	FURNISH 10 GALLON SHORT WATER HEATER, 120V/1PH, 1500 W ELEMENT WITH T & P RELIEF VALVE AND INTEGRAL HEAT TRAPS.

**NOTE:** INSTALL ALL PLUMBING FIXTURES TO BE FULLY ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES IN ACCORDANCE WITH LATEST ISSUE OF THE AMERICANS WITH DISABILITIES ACT AND ALL CURRENT STATE AND LOCAL CODES. - PROVIDING ACCESSIBILITY AND USABILITY FOR PHYSICALLY HANDICAPPED PEOPLE AND/OR GOVERNING CODES. - ALL PLUMBING FIXTURES EQUIPMENT, TRIM, & FITTINGS SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES, INCLUDING, BUT NOT LIMITED TO, WATER AND ENERGY CONSERVATION CODES. THE SCHEDULED AND/OR SPECIFIED PLUMBING FIXTURES AND EQUIPMENT REPRESENT THE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR THE CONTRACTOR'S BASE BID. IF THE SCHEDULED OR SPECIFIED FIXTURES OR EQUIPMENT DO NOT COMPLY WITH GOVERNING CODES OR REGULATIONS IN ALL RESPECTS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR COMPLYING FIXTURES, EQUIPMENT, TRIM, OR FITTINGS. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTOR'S BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS & CODES.

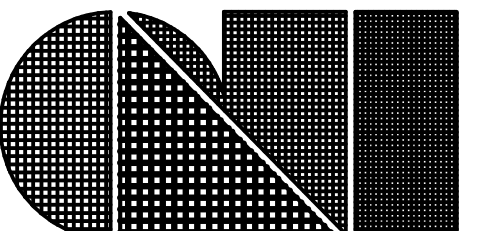
ALL PIPING AND VALVES BELOW LAVATORY SHALL BE INSULATED WITH PVC LAV GUARDS AND CONFIGURED TO PROTECT AGAINST CONTACT PROVIDED WITH LAV KIT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORY.



- NOTES:**
- INSTALL WATER HEATER PER MANUFACTURER REQUIREMENTS.
  - PROVIDE HEAT TRAP ON CW AND HW LINES PER ENERGY CODE.
  - LOCATE WATER HEATER ABOVE MOP SINK WITH 6'-0" CLEAR TO THE BOTTOM OF THE WATER HEATER SUPPORT PLATFORM.



Sheet No.



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

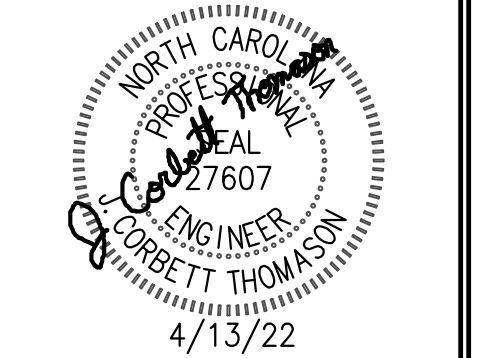
Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**PLUMBING**  
**PLANS & DETAILS**  
FAMILY DOLLAR RISK CLASS 0

Seal  
**ENGINEER OF RECORD:**  
J. CORBETT THOMASON, P.E.  
Corbett Engineering PC  
Firm # C-4109  
2120 DILWORTH RD EAST  
CHARLOTTE, NC 28203  
PH (704) 333-1020  
Corbett@CorbettEngineering.com



THIS DRAWING AND ITS COPIES ARE THE  
COPYRIGHT OF THE ARCHITECT. THEY MAY NOT  
BE USED FOR PROJECTS OTHER THAN THE  
DESIGNATED PROJECT WITHOUT THE SPECIFIC  
WRITTEN APPROVAL OF C. L. HELT ARCHITECT  
INC. AND OR TIMOTHY JOHNSTON, ARCHITECT

Drawn By:

C. THOMASON

Checked By:

C. THOMASON

Revisions:

Date:  
02/15/22

Sheet No.

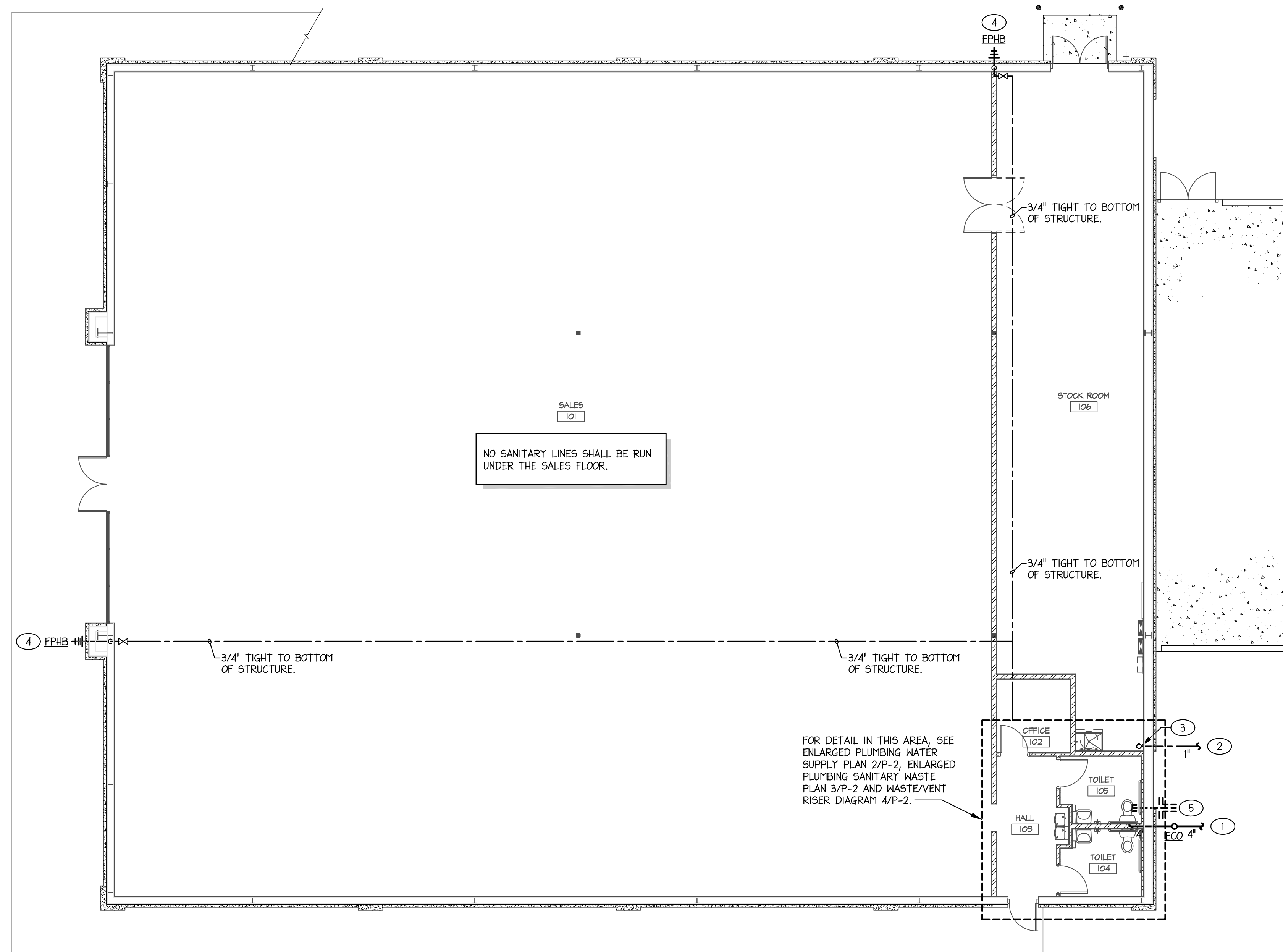
P-2V

### PLUMBING PLAN KEYED NOTES

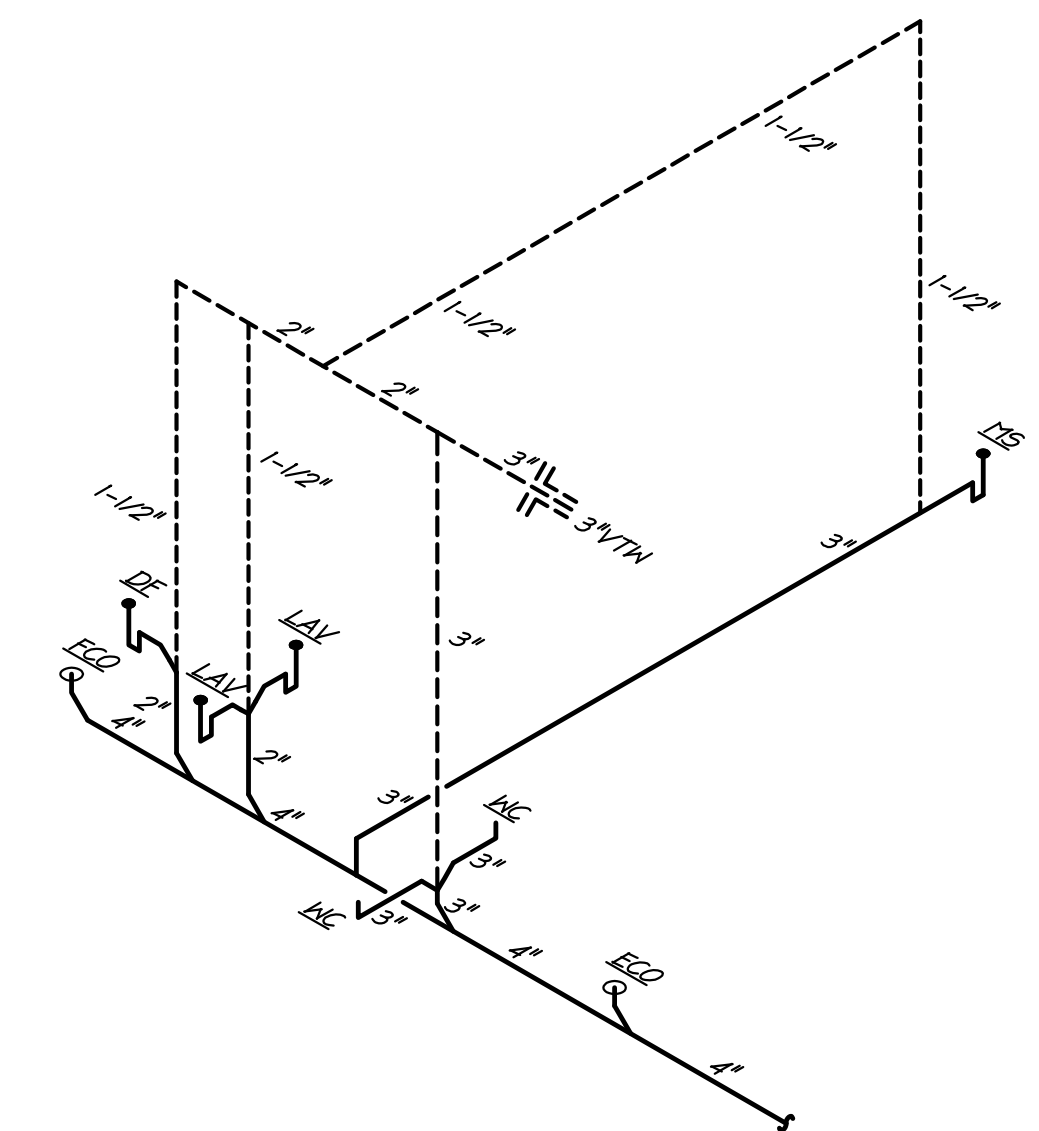
- 4" SANITARY SEWER. CONNECT TO GRAVITY FED SEPTIC TANK SYSTEM. FIELD COORDINATE ROUTING, CONNECTION POINT AND INVERT ELEVATION WITH LOCAL UTILITY AND AUTHORITIES HAVING JURISDICTION, CONTRACTORS AND UTILITY PLANS PRIOR TO BEGINNING CONSTRUCTION.
- 1" DOMESTIC WATER SERVICE LINE. PROVIDE 3/4" WATER TAP AND METER WITH 1" WATER LINE RUN FROM METER TO BUILDING. FIELD COORDINATE ROUTING, CONNECTION POINT AND WATER METER AND BACKFLOW PREVENTER REQUIREMENTS AND LOCATION WITH LOCAL UTILITY AND AUTHORITIES HAVING JURISDICTION, CONTRACTORS AND UTILITY PLANS PRIOR TO BEGINNING CONSTRUCTION.
- 1" DOMESTIC WATER UP THRU SLAB WITH SHUT-OFF VALVE IN VERTICAL RISE 18"-24" AFF PER LOCAL WATER UTILITY COMPANY REQUIREMENTS. PROVIDE PRESSURE REDUCING VALVE AFTER MAIN SHUT-OFF IF WATER PRESSURE EXCEEDS 80 PSI.
- PROVIDE EXTERIOR HOSE BIBB. ROUTE INSULATED 3/4" COLD WATER LINE CONCEALED UP IN WALL TO 12'-6" AFF AND STUB OUT, PROVIDE SHUT-OFF VALVE AND CONNECT TO COLD WATER.
- 3" VENT THRU WALL. DO NOT PENETRATE ROOF. TERMINATE VENT THRU WALL 6" FROM EXTERIOR FACE OF WALL AND MINIMUM 10'-0" ABOVE AVERAGE GRADE LEVEL. VENT THRU WALL SHALL BE LOCATED MINIMUM 10'-0" FROM HVAC FRESH AIR INTAKES. COVER VENT OPENING WITH WIRE MESH SCREEN. SEAL AND CAULK OPENINGS AROUND VENT. PAINT TO MATCH EXTERIOR. PROVIDE VENT THRU ROOF ONLY IN JURISDICTIONS OR STATES WHERE A PLUMBING VENT THRU WALL IS NOT ALLOWED BY CODE OR WHERE MINIMUM DISTANCE FROM PLUMBING VENT THRU WALL TO PROPERTY LINE DOES NOT MEET CODE.
- LOCATE ELECTRIC WATER HEATER ABOVE MOP SINK WITH 6'-8" CLEAR TO BOTTOM OF WATER HEATER SUPPORT PLATFORM.

### PLUMBING LEGEND

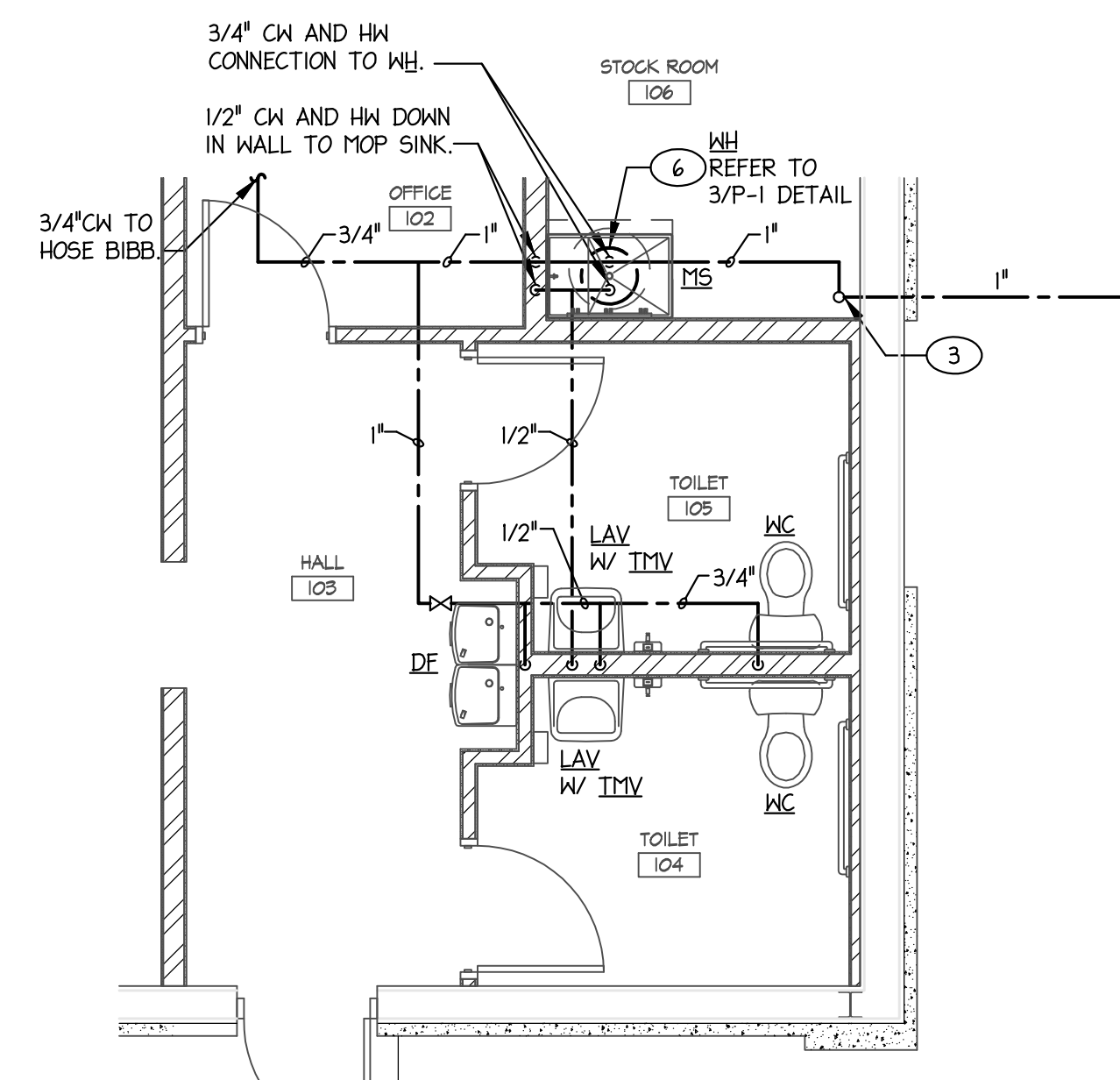
- DOMESTIC COLD WATER PIPING
- DOMESTIC HOT WATER PIPING
- - - VENT PIPING
- WASTE (SANITARY SEWER)
- PW — PUMP WASTE (PW)
- FULL PORT SHUT-OFF VALVE
- CHECK VALVE
- PIPE UP
- PIPE DOWN



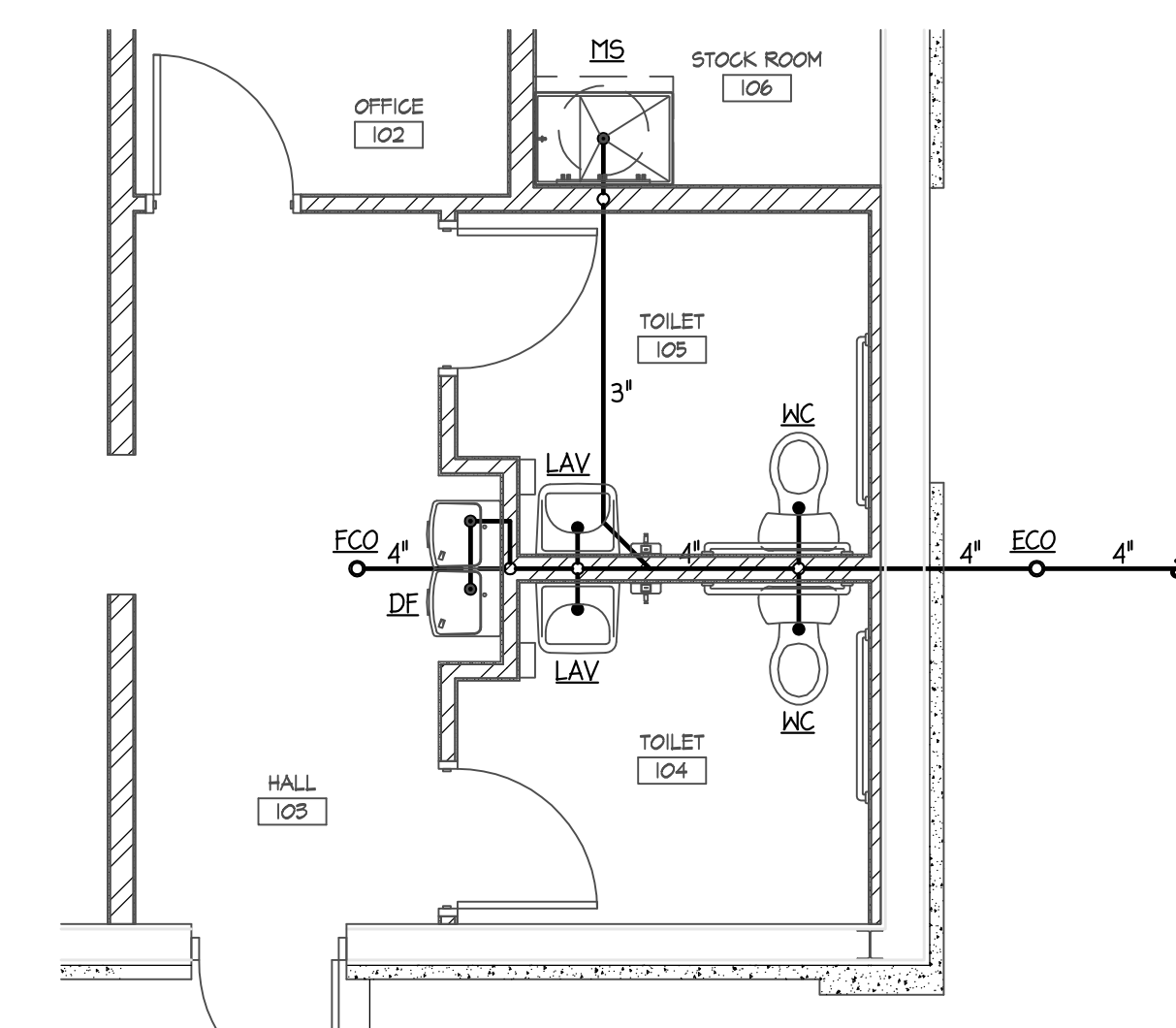
**1 PLUMBING FLOOR PLAN**  
1/8" = 1'-0"



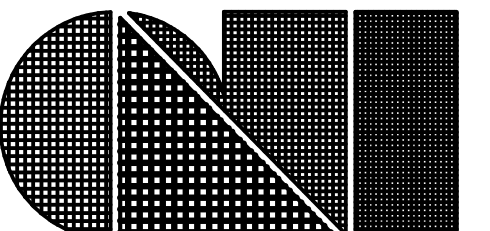
**4 WASTE/VENT RISER**  
NO SCALE



**2 ENLARGED WATER SUPPLY PLAN**  
1/4" = 1'-0"



**3 ENLARGED SANITARY WASTE PLAN**  
1/4" = 1'-0"



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

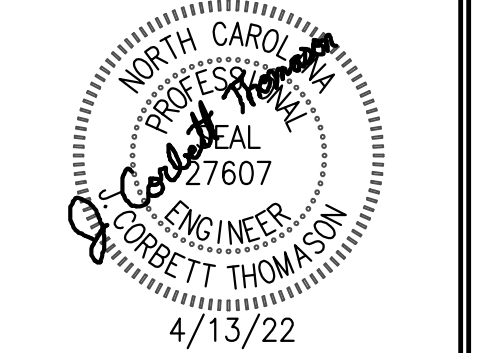
Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

Project :  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
Hwy 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

Sheet Description :  
**MECHANICAL  
COVER SHEET**  
FAMILY DOLLAR RISK CLASS 0

Seal  
ENGINEER OF RECORD:  
J. CORBETT THOMASON, P.E.  
Corbett Engineering PC  
Firm # C-4109  
2120 DILWORTH RD EAST  
CHARLOTTE, NC 28203  
PH (704) 333-1020  
Corbett@CorbettEngineering.com



THIS DRAWING AND ITS COPIES ARE THE  
COPYRIGHT OF THE ARCHITECT. THEY MAY NOT  
BE USED FOR PROJECTS OTHER THAN THE  
DESIGNATED PROJECT WITHOUT THE SPECIFIC  
WRITTEN APPROVAL OF C.L. HELT ARCHITECT  
INC., AND OR TIMOTHY JOHNSTON, ARCHITECT

Drawn By:  
C. THOMASON

Checked By:  
C. THOMASON

Revisions:

Date:  
02/15/22

Sheet No.

M-1V

### HVAC GENERAL NOTES

- THE CONTRACTOR SHALL PROVIDE ALL MATERIAL AND EQUIPMENT IN STRICT ACCORDANCE WITH APPLICABLE CODES AND STANDARDS, AND PER MANUFACTURER'S DIRECTIONS.
- THE CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS, LICENSE, INSPECTIONS, APPROVALS, AND FEES.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES BEFORE INSTALLATION OF ANY MATERIALS OR EQUIPMENT.
- THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL LOCATION AND ARRANGEMENT OF ALL MATERIALS AND EQUIPMENT. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS BUILDING CONSTRUCTION AND ALL OTHER WORK WILL PERMIT.
- DO NOT SCALE DRAWINGS FOR MEASUREMENTS.
- ALL DUCT DIMENSIONS SHOWN ARE INTERIOR DUCT DIMENSIONS.
- ALL PENETRATIONS THROUGH EXTERIOR WALLS SHALL BE FLASHED AND COUNTERFLASHED IN A WATERPROOF MANNER. (COLOR TO MATCH EXTERIOR).
- SEAL ALL PENETRATIONS OF RATED WALLS WITH FIRE DAMPER, SEALANT MATERIAL APPROVED BY LOCAL CODE.
- ALL SUSPENDED MATERIALS AND EQUIPMENT SHALL BE INDIVIDUALLY SUPPORTED FROM THE BUILDING STRUCTURE. DO NOT SUSPEND ITEMS FROM THE CEILING OR ITS SUPPORT SYSTEM.
- INSTALL ALL CONTROL DEVICES, INCLUDING THERMOSTATS AND SWITCHES, 4'-0" ABOVE FINISHED FLOOR. PROVIDE THE REQUIRED DEVICE(S) FOR ALL SYSTEMS WHETHER LOCATED ON THE PLANS OR NOT.
- LOCATE CEILING DIFFUSERS IN ACCORDANCE WITH ARCHITECTURAL REFLECTED CEILING PLANS (IF PROVIDED).
- PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES AROUND MECHANICAL UNITS FOR MAINTENANCE AND FILTER REMOVAL.
- ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, TO AVOID INTERFERENCE.
- REFER TO MECHANICAL DUCTWORK AND INSULATION NOTES ON MECHANICAL FLOOR PLAN FOR DUCTWORK INSULATION REQUIREMENTS.
- CERTIFIED TEST AND BALANCE CONTRACTOR SHALL BALANCE SYSTEM TO AIR QUANTITIES INDICATED ON PLANS AND PROVIDE OWNER'S REPRESENTATIVE AND FD PROJECT MANAGER WITH COMPLETE BALANCE REPORT. IF BALANCING DAMPERS ARE NOT PROVIDED IN RETURN DUCTWORK, CONTRACTOR SHALL BALANCE SUPPLY SIDE TO AIR QUANTITIES INDICATED ON PLANS AND SHALL BALANCE OUTSIDE AIR AND RETURN AIR FLOWS AT THE AIR HANDLER TO AIR QUANTITIES INDICATED IN THE SCHEDULE. PROVIDE NEW AIR FILTERS FOR EACH UNIT.
- AS REQUIRED BY LOCAL CODES, CONTRACTOR SHALL PROVIDE U.L. LISTED FIRE DAMPERS WHERE REQUIRED FOR FIRE PROTECTION REQUIREMENTS OF THE HVAC SYSTEM & THE UL ASSEMBLY.
- PROVIDE 1 YEAR WARRANTY ON ALL EQUIPMENT AND 5 YEAR WARRANTY ON ALL COMPRESSORS.
- ALL ACTUATORS ON MOTORIZED DAMPERS, SMOKE DAMPERS, AND FIRE-SMOKE DAMPERS SHALL BE LOW VOLTAGE UNLESS OTHERWISE NOTED.
- REFER TO APPENDIX B FOR SITE SEISMIC CLASSIFICATION. A COMPLETE SYSTEM OF SEISMIC RESTRAINTS SHALL BE DESIGNED BY MASON INDUSTRIES (OR EQUAL) AND SEALED BY THEIR REGISTERED ENGINEER AND INSTALLED BY THIS CONTRACTOR AS REQUIRED BY APPLICABLE CODES FOR THE LOCALITY OF THIS PROJECT. SEISMIC RESTRAINTS FOR SEISMIC CLASSES D, E, AND F SHALL BE SUBMITTED TO THE DESIGN PROFESSIONAL FOR REVIEW PRIOR TO INSTALLATION.
- ALL MAIN DUCTWORK SHALL BE GALVANIZED SHEET METAL CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS. RUNOUTS (CONCEALED ABOVE CEILINGS) FROM MAIN BRANCH DUCTS MAY BE FLEXIBLE DUCT CONFORMING TO THE REQUIREMENTS OF UL 181 FOR CLASS 1 FLEXIBLE AIR DUCTS. MAXIMUM 10'-0" FLEX PER RUNOUT.
- THE CONTRACTOR SHALL PROVIDE LOW VOLTAGE CONTROL LINES TO THE PACKAGE UNIT. COORDINATE ROUTING AND INSTALLATION.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL PENETRATIONS FOR WALL CAPS WITH ARCHITECT & OWNER PRIOR TO INSTALLATION.
- CONTRACTOR SHALL PAINT ALL VENT CAPS. CONFIRM COLOR WITH ARCHITECT & OWNER PRIOR TO INSTALLATION.
- PENETRATIONS OF RATED WALLS, PARTITIONS AND FLOORS OF NON-COMBUSTIBLE CONSTRUCTION SHALL BE FIRESTOPPED WITH NON-COMBUSTIBLE MATERIALS. PENETRATIONS OF NONRATED WALLS, PARTITIONS AND FLOOR OF COMBUSTIBLE CONSTRUCTION SHALL BE FIRESTOPPED WITH MATERIALS EQUIVALENT TO TWO INCHES OF WOOD. FIRESTOPPING SHALL COMPLY WITH ASTM E-814.
- CONTRACTOR RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS AND FLOORS FOR MECHANICAL EQUIPMENT.

### NOTE TO CONTRACTORS

- RUN ALL ELECTRICAL CONDUITS, PLUMBING PIPING SO AS NOT TO INTERFERE WITH STORE FIXTURE EQUIPMENT LAYOUTS, OR ANY OTHER FAMILY DOLLAR EQUIPMENT.
- CONTRACTORS TO ROUTE ALL CONDUITS, PLUMBING PIPING TIGHT TO STRUCTURE AND PERPENDICULAR TO WALL IN AN ORDERLY MANNER.

### PACKAGED DX COOLING / GAS HEATING GROUND MOUNTED UNIT SCHEDULE

UNIT NO.	SUPPLY - FAN DATA				HEATING CAPACITY			COOLING CAPACITY			ELECTRICAL DATA			CONTROL SCHEME	MANUFACTURER # MODEL (OR EQUAL)	NOTES		
	TOTAL CFM	O/A CFM	MIN. EXT. S.P. (IN.W.G.)	FAN RPM	MOTOR H.P.	INPUT MBH	OUTPUT MBH	EFF. %	TOTAL MBH	SENSIBLE MBH	SEER EER IEEER	VOLT/PH	MCA				MAX FUSE	FLA/ LRA
AC-1 (7.5 TONS) (MED HEAT)	3000	400	0.8	776	2.0 (BELT)	180/125	144/100	80.0	98.4	72.2	12.0 EER 14.0 IEEER	208/3Ø	42.2	50	45/246	THERMOSTAT	YORK ZYG08E	1 2 3 4 5 6 7 8 9 10 11 12 15 16 18
AC-2 (5 TONS) (MED HEAT)	2000	200	0.8	1144	2.0 (BELT)	112/82	90/66	80.0	63.6	47.1	15.2 SEER 12.0 EER	208/3Ø	29.2	45	29/175	THERMOSTAT	YORK ZYG06E	1 2 3 4 5 6 7 8 9 10 11 12
AC-3 (10 TONS) (MED HEAT)	4000	500	0.8	888	3.0 (BELT)	220/176	176/141	80.0	131.3	94.1	11.5 EER 14.0 IEEER	208/3Ø	51.7	60	55/315	THERMOSTAT	YORK ZYG12E	1 2 3 4 5 6 7 8 9 10 11 12 15 16 18
AC-4 (7.5 TONS) (MED HEAT)	3000	400	0.8	776	2.0 (BELT)	180/125	144/100	80.0	98.4	72.2	12.0 EER 14.0 IEEER	208/3Ø	42.2	50	45/246	THERMOSTAT	YORK ZYG08E	1 2 3 4 5 6 7 8 9 10 11 12 15 16 18

### NOTES:

- COOLING CAPACITIES ARE RATED IN ACCORDANCE WITH AHRI STANDARDS 210/240 (3-5 TON UNITS) AND 340/360 (6-12.5 TON UNITS) AT 95°F AMBIENT OUTDOOR AIR TEMP., 80°F DRY BULB, 67° WET BULB ENTRANCE AIR TEMP., AND NOMINAL AIR QUANTITY LISTED.
- PROVIDE NEW FILTERS IN EACH UNIT AT TURNOVER TO TENANT.
- HVAC UNITS SHALL BE PROVIDED BY CONTRACTOR.
- NOT USED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STARTUP AND WARRANTY WORK. VERIFY ELECTRICAL POWER PRIOR TO INSTALLING UNITS. FAILURE TO DO SO SHALL RESULT IN CONTRACTOR FURNISHING CORRECT UNITS OR POWER AT NO ADDITIONAL COST TO TENANT.

### (ACCESSORIES/OPTIONS REQUIRED BY FD)

- PROVIDE FIELD INSTALLED DIFFERENTIAL ENTHALPY ECONOMIZER WITH 100% BAROMETRIC RELIEF CAPABILITY.
- FACTORY INSTALLED DIFFERENTIAL ENTHALPY CONTROLS.
- UNIT SHALL BE SUPPLIED WITH CONTROLS CAPABLE OF CO2 BASED DEMAND CONTROLLED VENTILATION.
- PROVIDE FACTORY INSTALLED CONDENSOR COIL LOUVERED HAIL GUARDS.
- PROVIDE FACTORY INSTALLED DISCONNECT SWITCH.
- PROVIDE FACTORY INSTALLED NON-POWERED CONVENIENCE OUTLET.
- PROVIDE FIELD INSTALLED FLUE DISCHARGE DEFLECTOR WITH EXTENSION TO PROVIDE MINIMUM 3' VERTICAL SEPARATION BETWEEN TOP OF FLUE VENT DISCHARGE AND ADJACENT HVAC UNIT OUTSIDE AIR OPENING.

### (AS NOTED IN SCHEDULE OR AS RECOMMENDED BY MANUFACTURER FOR STORE LOCATION)

- PROVIDE FIELD INSTALLED PROPANE GAS CONVERSION KIT.
- PROVIDE FIELD INSTALLED GAS PRESSURE REGULATOR. (2 PSI TO 11" W.C.)
- PROVIDE FACTORY INSTALLED COATED EVAPORATOR AND CONDENSOR COILS FOR COASTAL/CORROSIVE ENVIRONMENTS.
- PROVIDE FACTORY INSTALLED STAINLESS STEEL GAS HEAT EXCHANGER FOR COASTAL/CORROSIVE ENVIRONMENTS.
- PROVIDE FIELD INSTALLED GAS HEAT HIGH ALTITUDE CONVERSION KIT FOR ALTITUDES 2000 FT TO 6000 FT.
- PROVIDE SUPPLY AIR FAN WITH VARIABLE FREQUENCY DRIVE (INTELLISPEED SUPPLY FAN CONTROL OPTION) AND ALL REQUIRED ACCESSORIES AND CONTROLS TO COMPLY WITH 2018 DEPT. OF ENERGY REGULATIONS.

### FAN SCHEDULE

UNIT NO.	SERVICE	AREA SERVED	CFM	S.P.	RPM	TYPE & ARRANGEMENT	WATTS & VOLTAGE	MANUFACTURER # MODEL NO.	DRIVE	CONTROL SCHEME	NOTES
EF-1	EXHAUST	RESTROOMS	75 MIN.	0.25"	950	CEILING	19 WATTS 120V/1Ø	GREENHECK SP-A10	DIRECT	A	1,2,3,4

NOTES:  
1. INTEGRAL BACKDRAFT DAMPER.  
2. INTEGRAL DISCONNECT SWITCH.  
3. SPEED CONTROLLER LOCATED ABOVE CEILING NEAR FAN.  
4. MODEL RDC - ROUND DUCT CONNECTOR WITH DAMPER.

CONTROL OPTIONS:  
A. CONTROL W/ ROOM LIGHTS

### VENTILATION CALCULATIONS

CALCULATIONS BASED ON THE 2018 NORTH CAROLINA MECHANICAL CODE TABLE 403.3

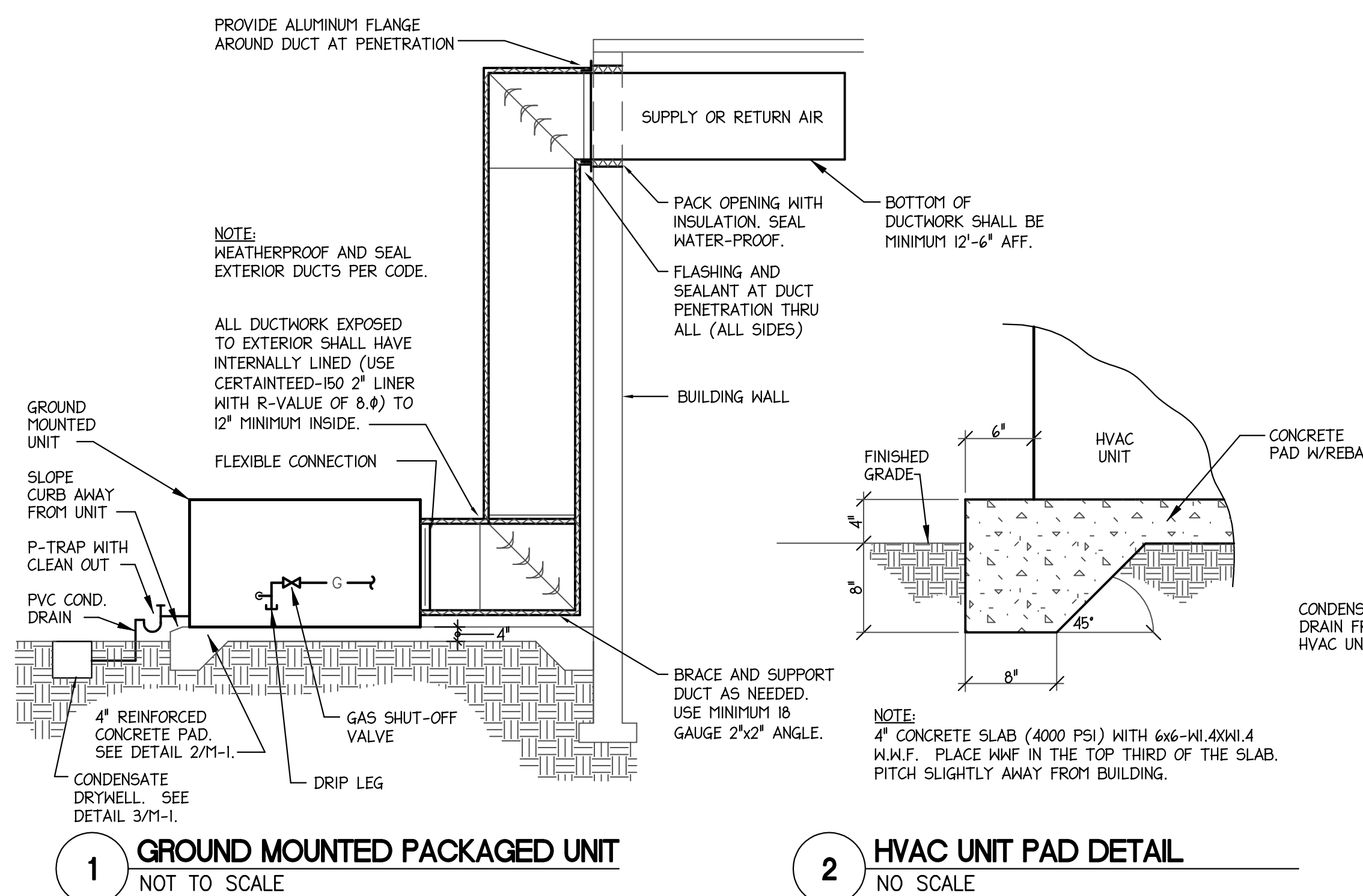
AC UNIT #2 STOCK ROOM, OFFICE AND HALL:  
 STOCK ROOM {RECEIVING}  
 = (1119 SQFT) X (0.12 CFM/SQFT)  
 = 134 CFM  
 OFFICE {OFFICE SPACE}  
 = (64 SQFT X 0.06 CFM/SF) + (64 SQFT X 5 PERSON/1000 SF X 5 CFM/PERSON)  
 = 5 CFM  
 HALL {CORRIDOR}  
 = (100 SQFT) X (0.06 CFM/SQFT)  
 = 6 CFM  
 TOTAL  
 = 145 CFM / 0.8 ZONE EFFECTIVENESS = 181 CFM  
 200 CFM OUTSIDE AIR SHALL BE PROVIDED FOR AC-2.

AC UNIT #1,3,4 SERVING SALES AREA:  
 SALES FLOOR {SUPERMARKET}  
 = (8623 SQFT X 0.06 CFM/SF) + (8623 SQFT X 8 PERSON/1000 SF X 7.5 CFM/PERSON)  
 = 1035 CFM  
 TOTAL  
 = 1035 CFM / 0.8 ZONE EFFECTIVENESS = 1294 CFM  
 1300 CFM OUTSIDE AIR SHALL BE PROVIDED PROPORTIONATELY BETWEEN FOR AC-1,3,4.

### DIFFUSER SCHEDULE

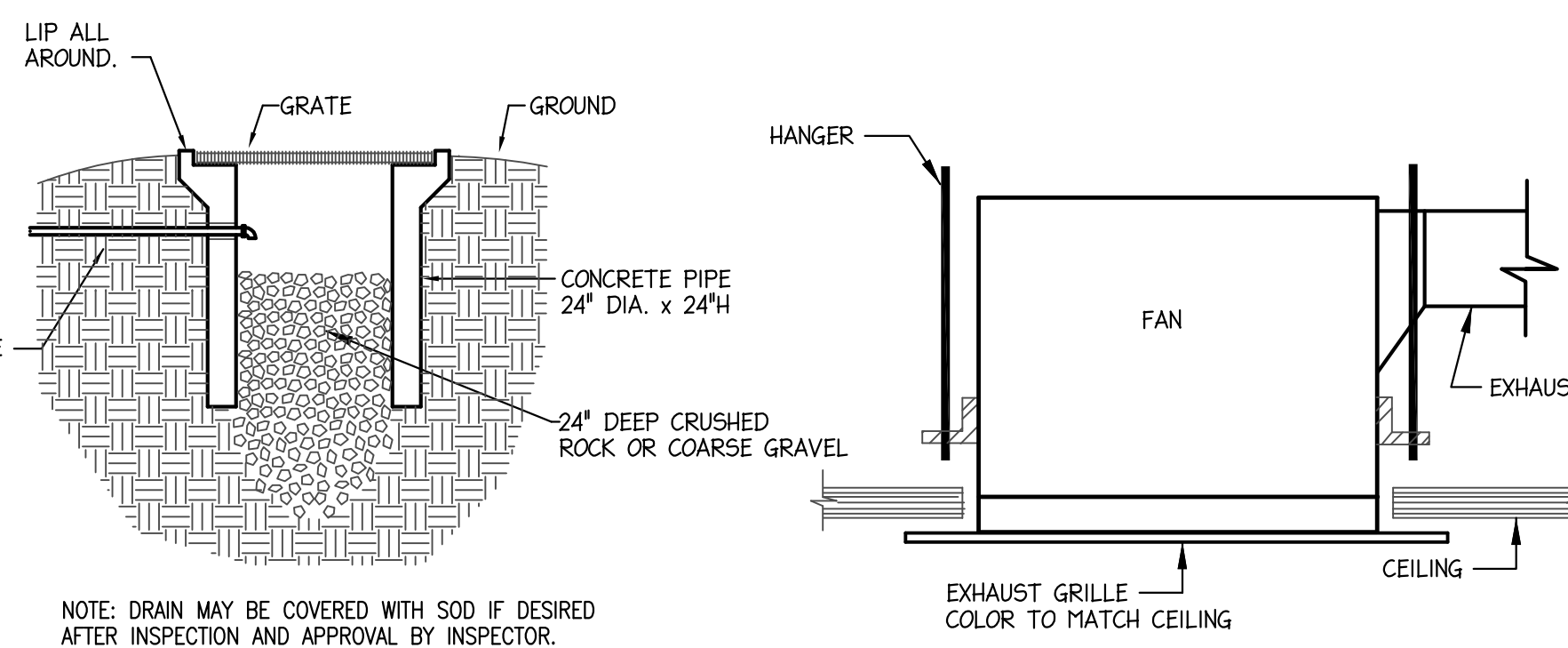
SYMBOL	CFM	NECK SIZE	MODULE SIZE	FRAME TYPE	PATTERN	DAMPER	MATERIAL	SERVICE	FINISH	MANUFACTURER # MODEL NO.	NOTES
A	SEE PLANS	SEE PLANS	12x12	SURFACE	4-WAY	YES	ALUMINUM	SUPPLY	WHITE	METALAIRE 5700	1
B	SEE PLANS	SEE PLANS	24x24	LAY-IN	4-WAY	YES	ALUMINUM	SUPPLY	WHITE	METALAIRE 5700	1
C	SEE PLANS	SEE PLANS	SEE PLANS	SURFACE	DOUBLE DEFLECTION	YES	ALUMINUM	SUPPLY	WHITE	METALAIRE V4004D	1
D	SEE PLANS	SEE PLANS	SEE PLANS	LAY-IN	NA	NO	ALUMINUM	RETURN	WHITE	METALAIRE CCI	1
E	SEE PLANS	SEE PLANS	SEE PLANS	SURFACE	-	NO	ALUMINUM	TRANSFER	WHITE	METALAIRE RH	1
F	SEE PLANS	SEE PLANS	SEE PLANS	DOOR	-	NO	ALUMINUM	TRANSFER	WHITE	METALAIRE DG DF	1

NOTES:  
1. DIFFUSER DESIGNATIONS ON PLANS AS FOLLOWS:  
 DIFFUSER OR NECK SIZE: 8x4 (A)  
 AIR QUANTITY: 75 (A)  
 DIFFUSER TYPE AS NOTED ABOVE



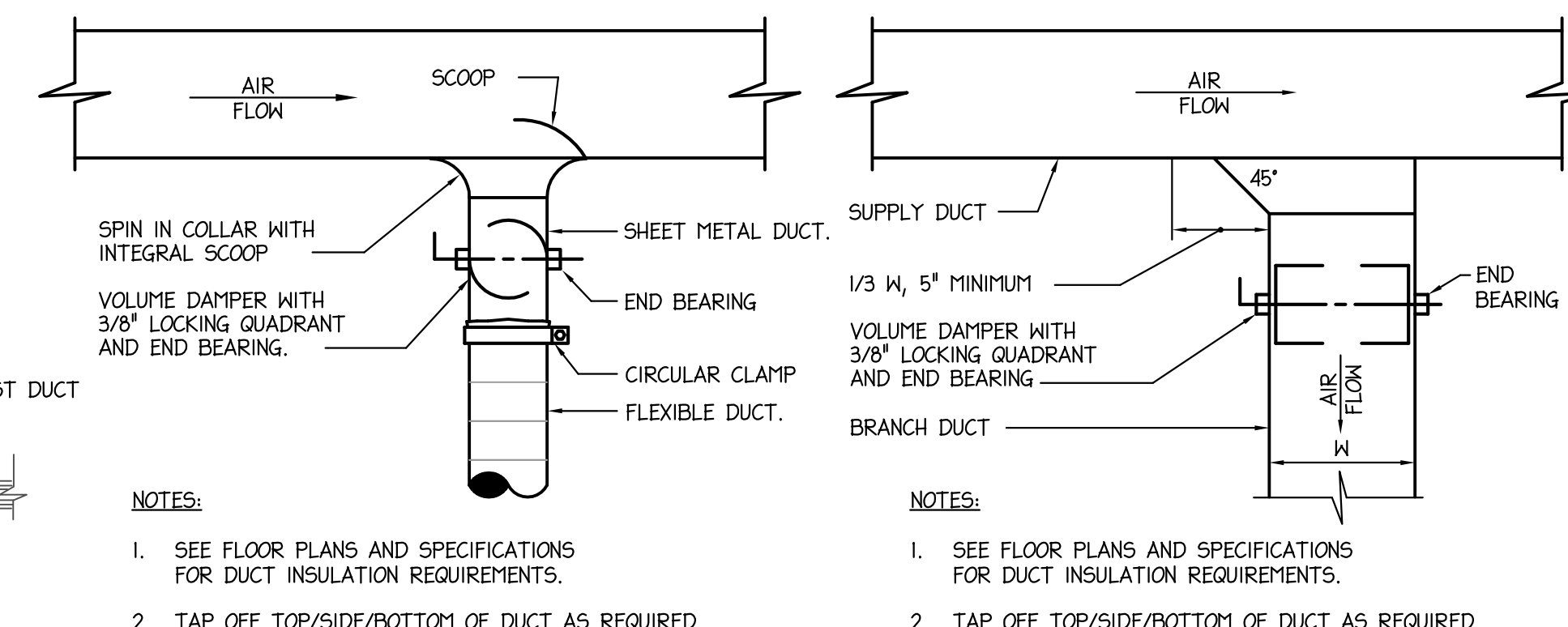
1 GROUND MOUNTED PACKAGED UNIT  
NOT TO SCALE

2 HVAC UNIT PAD DETAIL  
NO SCALE



3 CONDENSATE DRY WELL  
NO SCALE

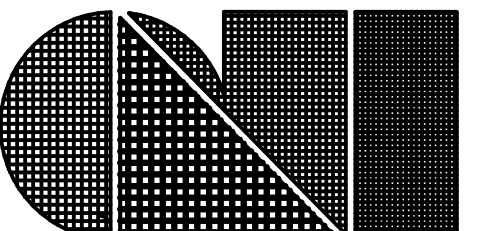
4 EXHAUST FAN DETAIL  
NO SCALE



5 BRANCH TAKEOFF TO SINGLE OUTLET  
NO SCALE

6 BRANCH TAKEOFF  
NO SCALE





C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

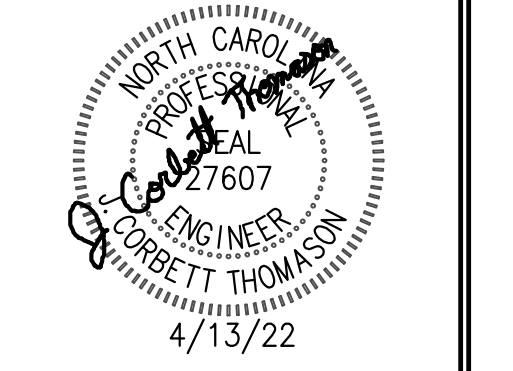
Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

Project :  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

Sheet Description :  
**MECHANICAL PLAN**  
FAMILY DOLLAR RISK CLASS 0

Seal  
ENGINEER OF RECORD:  
J. CORBETT THOMSON, P.E.  
Corbett Engineering PC  
Firm # C-4109  
2120 DILWORTH RD EAST  
CHARLOTTE, NC 28203  
PH (704) 333-1020  
Corbett@CorbettEngineering.com



THIS DRAWING AND ITS COPIES ARE THE  
COPYRIGHT OF THE ARCHITECT. THEY MAY NOT  
BE USED FOR PROJECTS OTHER THAN THE  
DESIGNATED PROJECT WITHOUT THE SPECIFIC  
WRITTEN APPROVAL OF C.L. HELT ARCHITECT  
INC., AND OR TIMOTHY JOHNSTON, ARCHITECT

Drawn By :  
**C. THOMASON**

Checked By :  
**C. THOMASON**

Revisions :

Date :  
02/15/22

Sheet No.

M-2V

### GAS PIPING KEYED NOTES

- (G1) PROVIDE NATURAL GAS SERVICE AND METER. COORDINATE WITH LOCAL GAS UTILITY TO DELIVER MAXIMUM 692,000 TOTAL BTUH @ 7" WC.
- (G2) PROVIDE GAS PIPING AND CONNECTION TO HVAC UNIT. SIZE GAS PIPING ACCORDING TO INTERNATIONAL FUEL GAS CODE.

### MECHANICAL PLAN KEYED NOTES

- CONTRACTOR SHALL PROVIDE HVAC EQUIPMENT, DUCTWORK, CONTROLS AND ACCESSORIES AS INDICATED ON THE PLANS, SCHEDULES AND NOTES. CONTRACTOR SHALL PROVIDE CONCRETE EQUIPMENT PAD TO ACCOMMODATE FOUR (4) HVAC UNITS. COORDINATE PAD LOCATION AND MINIMUM REQUIRED SIZE WITH CIVIL SITE PLAN, PROPERTY LINES, STRUCTURAL CONDITIONS AND ALL CONTRACTORS PRIOR TO BEGINNING CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY ISSUES. CONTRACTOR SHALL PROVIDE FENCING AROUND HVAC EQUIPMENT.
- PROVIDE CONDENSATE DRYWELL. CONTRACTOR SHALL PROVIDE CONDENSATE PIPING FROM HVAC UNIT TO CONDENSATE DRYWELL.
- 24x20 R.A. & S.A. UP WALL AND THRU 30x26 OPENING IN METAL BUILDING WALL. COORDINATE WITH ARCHITECTURAL FOR LOCATION AND FRAMING INFO FOR 30x26 OPENING IN METAL BUILDING WALL. (TYP. AC-1,3,4)
- 18x20 R.A. & S.A. UP WALL AND THRU 24x26 OPENING IN METAL BUILDING WALL. COORDINATE WITH ARCHITECTURAL FOR LOCATION AND FRAMING INFO FOR 24x26 OPENING IN METAL BUILDING WALL. (TYP. AC-2)
- CONTRACTOR TO PROVIDE STANDARD THERMOSTAT FOR INITIAL COMMISSIONING OF HVAC SYSTEM. MOUNT TO CEILING GRID/WALL/COLUMN AS SHOWN ON PLANS. FUTURE EMS CONTRACTOR WILL REPLACE THERMOSTAT WITH PERMANENT SENSORS AT TIME OF FUTURE FD UPFIT.
- NOT USED
- INSTALL TOP OF TRANSFER GRILLE MINIMUM 6" ABOVE SALES FLOOR CEILING.
- FUTURE ENERGY MANAGEMENT SYSTEM (EMS). FUTURE EMS SHALL BE PROVIDED AT TIME OF FUTURE FD UPFIT.
- INSTALL FIELD FABRICATED INSULATED PLENUM BOX ON TOP OF RETURN GRILLE. SIZE AS REQUIRED TO FACILITATE CONNECTION TO RETURN AIR DUCT. EXTEND RETURN AIR DUCT AS REQUIRED AND CONNECT INTO PLENUM BOX. CONTRACTOR SHALL PROVIDED ALL OFFSETS/TRANSITIONS AS NECESSARY.
- PROVIDE 16X8 EXTERIOR WALL EXHAUST LOUVER WITH BACKDRAFT DAMPER. PAINT TO MATCH EXTERIOR. MOUNT MINIMUM 10'-6" AFF.

### MECHANICAL DUCTWORK AND INSULATION NOTES

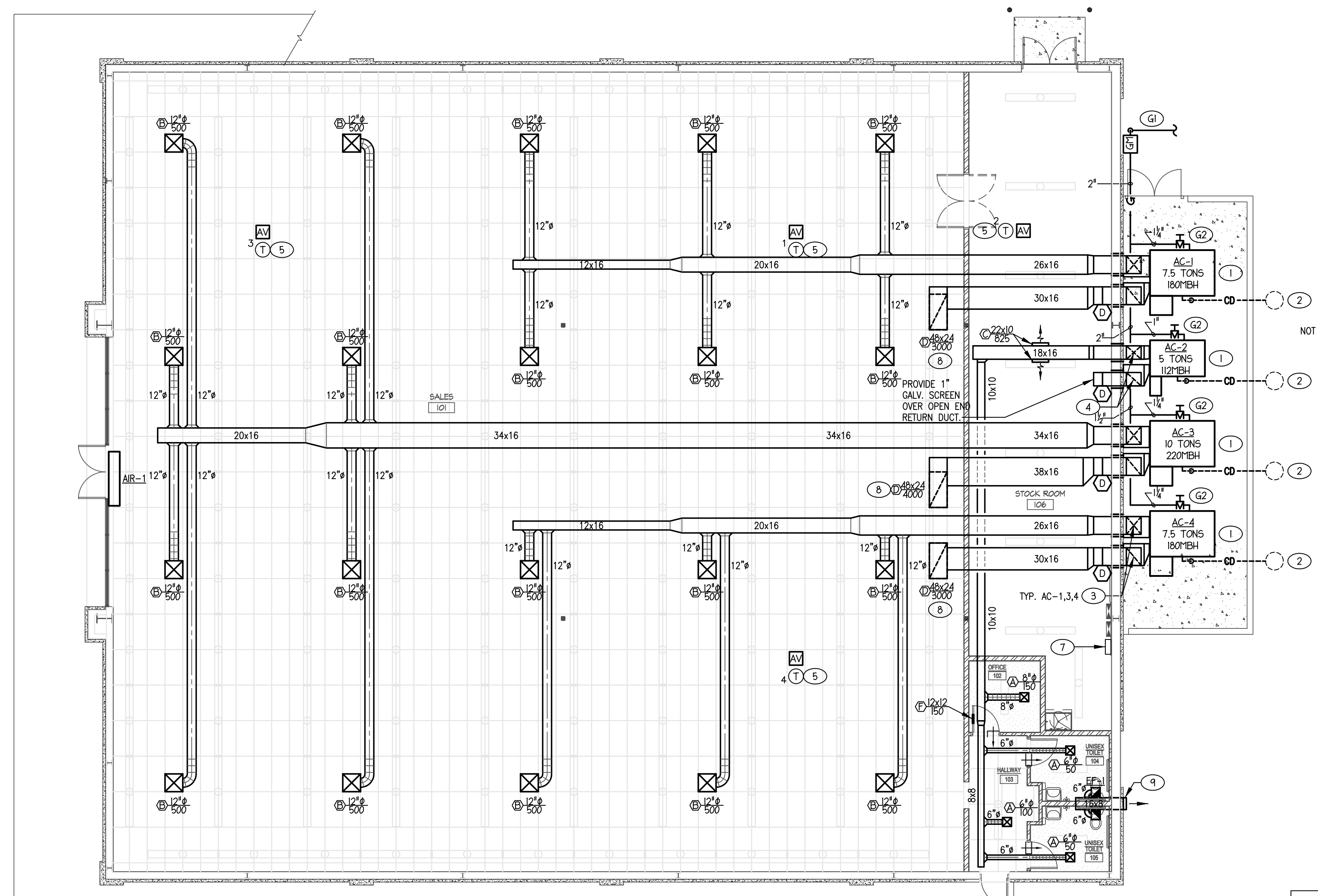
DUCTWORK SHALL BE GALVANIZED SHEET METAL FABRICATED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMACNA RECOMMENDATIONS. FIBERGLASS DUCTBOARD SHALL NOT BE USED AND WILL NOT BE ACCEPTED.

DUCTWORK SHALL BE INSULATED AS FOLLOWS:  
 EXTERIOR RECTANGULAR DUCTWORK  
 ALL EXTERIOR SUPPLY AND RETURN DUCTWORK SHALL BE INTERNALLY LINED (USE CERTAINTED-150 2" LINER WITH R-VALUE OF 8) TO 12" MINIMUM INSIDE.  
 INTERIOR RECTANGULAR DUCTWORK (EXPOSED IN THE SUPPORT AREA)  
 ALL INTERIOR RECTANGULAR SUPPLY AND RETURN DUCTWORK EXPOSED IN THE SUPPORT AREA SHALL PROVIDED WITH 1" LINER.  
 ALL CONCEALED DUCTWORK ABOVE CEILINGS  
 ALL CONCEALED DUCTWORK RUN ABOVE CEILING SHALL BE WRAPPED WITH 2" FIBERGLASS INSULATION.

INTERNAL INSULATION SHALL BE MINIMUM 1" THICK 1-1/2 PCF FIBERGLASS, NEOPRENE COATED, AND ADHERED WITH AN APPROVED ADHESIVE WITH 100% COVERAGE AND STICK CLIPS ON 12" CENTERS. INTERNALLY LINED INSULATION SHALL MEET BACTERIOLOGICAL STANDARD ASTM C 665. SHEET METAL SIZES SHALL BE INCREASED ACCORDINGLY TO ALLOW FOR DUCT LINER.

### MECHANICAL LEGEND

- 18x14 RECTANGULAR DUCT
- 6" ROUND METAL DUCT
- 6" FLEX/RIGID ROUND DUCT
- ELBOW WITH TURNING VANES
- VOLUME DAMPER
- SUPPLY TAP WITH VOLUME DAMPER
- SUPPLY TAP
- SUPPLY DIFFUSER/GRILLE
- RETURN REGISTER/GRILLE
- EXHAUST REGISTER/GRILLE
- VERTICAL SUPPLY DUCT
- VERTICAL RETURN DUCT
- VERTICAL EXHAUST DUCT
- SIDENALL DIFFUSER/GRILLE
- MECHANICAL EQUIPMENT TYPE XX
- CEILING EXHAUST FAN
- THERMOSTAT
- DUCT SMOKE DETECTOR. COORDINATE INSTALLATION RESPONSIBILITIES WITH ALL CONTRACTORS.
- LOUVERED DOOR (SEE ARCHITECTURAL DRAWINGS)
- 1" DOOR UNDER CUT
- U.L. FIRE DAMPER
- AUDIO/VISUAL DEVICE TIED TO DUCT SMOKE DETECTOR. COORDINATE INSTALLATION RESPONSIBILITIES WITH ALL CONTRACTORS. MOUNT IN CENTER OF CEILING GRID TILE IN SALES AREA. MOUNT TO BOTTOM OF NEAREST PURLIN IN STOCK ROOM.



1 MECHANICAL FLOOR PLAN  
1/8"=1'-0"

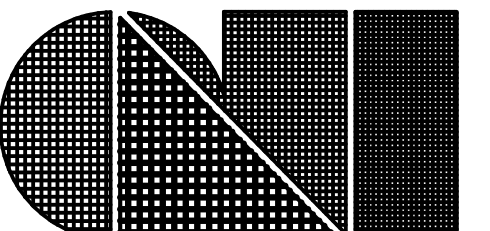
**DUCTWORK COORDINATION NOTE:**  
 FOR THE SALES AREAS, A LAY-IN CEILING IS BEING INSTALLED AT 11'-10" AFF. BOTTOM OF SUPPLY AND RETURN DUCTWORK IN SALES AREA SHALL BE INSTALLED MINIMUM OF 12'-6" AFF. FOR THE STOCK ROOM, ROOM WILL BE OPEN TO THE DECK. BOTTOM OF SUPPLY AND RETURN DUCTWORK IN STOCK ROOM SHALL BE INSTALLED 12'-6" AFF.  
 FOR THE OFFICE, HALL AND RESTROOMS, A CEILING IS BEING INSTALLED AT 8'-0" AFF. BOTTOM OF SUPPLY AND RETURN DUCTWORK SHALL BE RUN ABOVE CEILING TO ALLOW ADEQUATE ACCESS. IT IS THE RESPONSIBILITY OF CONTRACTOR TO COORDINATE DUCTWORK SIZES AND LAYOUT WITH METAL BUILDING MANUFACTURER PRIOR TO FABRICATION OF METAL BUILDING. CONTRACTORS SHALL ALSO FIELD VERIFY ACTUAL METAL BUILDING STRUCTURAL ON-SITE CONDITIONS PRIOR TO FABRICATION AND INSTALLATION OF ANY DUCTWORK AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY CONFLICTS/INTERFERENCES. CONTRACTOR SHALL PROVIDE OFFSETS/TRANSITIONS IF NECESSARY. CONTRACTOR MAY ALTER DUCTWORK SIZES IF NECESSARY AS LONG AS DUCTWORK CROSS-SECTIONAL AREA IS MAINTAINED.

### MECHANICAL SUMMARY

#### MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

<b>Thermal zone</b>	
Winter dry bulb	20 DEG F
Summer dry bulb	93 DEG F
<b>Interior design conditions</b>	
Winter dry bulb	70 DEG F
Summer dry bulb	74 DEG F
Relative humidity	50-60%
Building heating load	420.0 MBH
Building cooling load	336.0 MBH
<b>Mechanical Spacing Conditioning System</b>	
<b>Unitary</b>	
Description of unit	SEE RTU SCHEDULE ON M1
Heating efficiency	SEE RTU SCHEDULE ON M1
Cooling efficiency	SEE RTU SCHEDULE ON M1
Size category of unit	SEE RTU SCHEDULE ON M1
<b>Boiler</b>	
Size category, if oversized, state reason	NA
<b>Chiller</b>	
Size category, if oversized, state reason	NA
List equipment efficiencies	NA





C.L. Helt, Architect Inc.

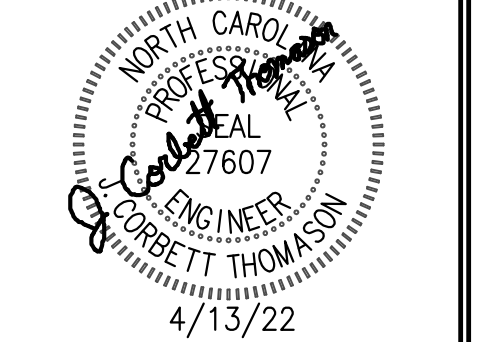
6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012  
Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
CURRITUCK, NC  
HWY 168  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**ELECTRICAL**  
**POWER PLAN**  
**& DETAILS**  
FAMILY DOLLAR RISK CLASS 0

**Seal**  
**ENGINEER OF RECORD:**  
J. CORBETT THOMASON, P.E.  
Corbett Engineering PC  
Firm # C-4109  
2120 DILWORTH RD EAST  
CHARLOTTE, NC 28203  
PH (704) 333-1020  
Corbett@CorbettEngineering.com



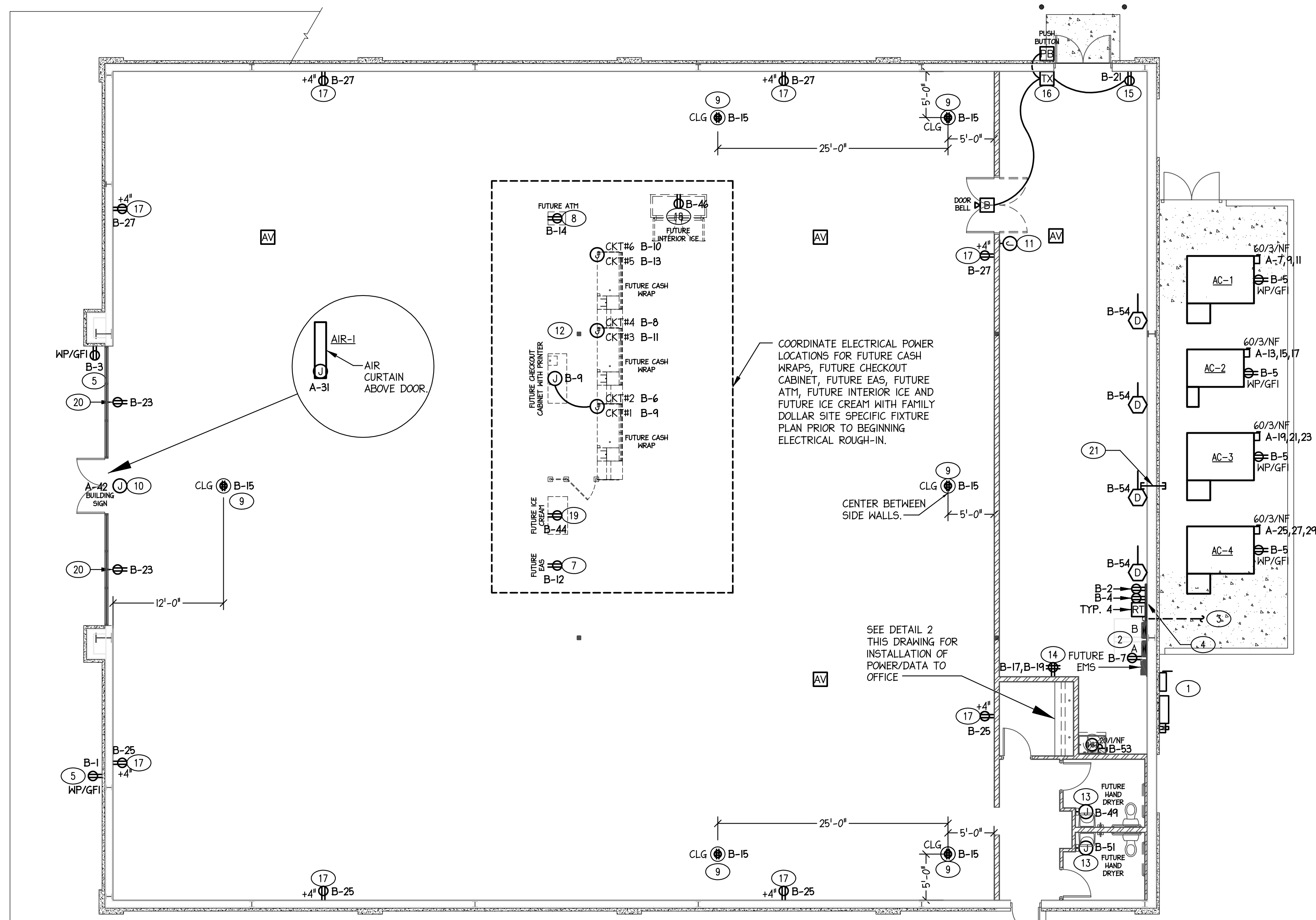
THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE ARCHITECT. THEY MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN APPROVAL OF C.L. HELT ARCHITECT INC., AND OR TIMOTHY JOHNSTON, ARCHITECT

**Drawn By :**  
C. THOMASON  
**Checked By :**  
C. THOMASON

**Revisions :**  
  
**Date :**  
02/15/22

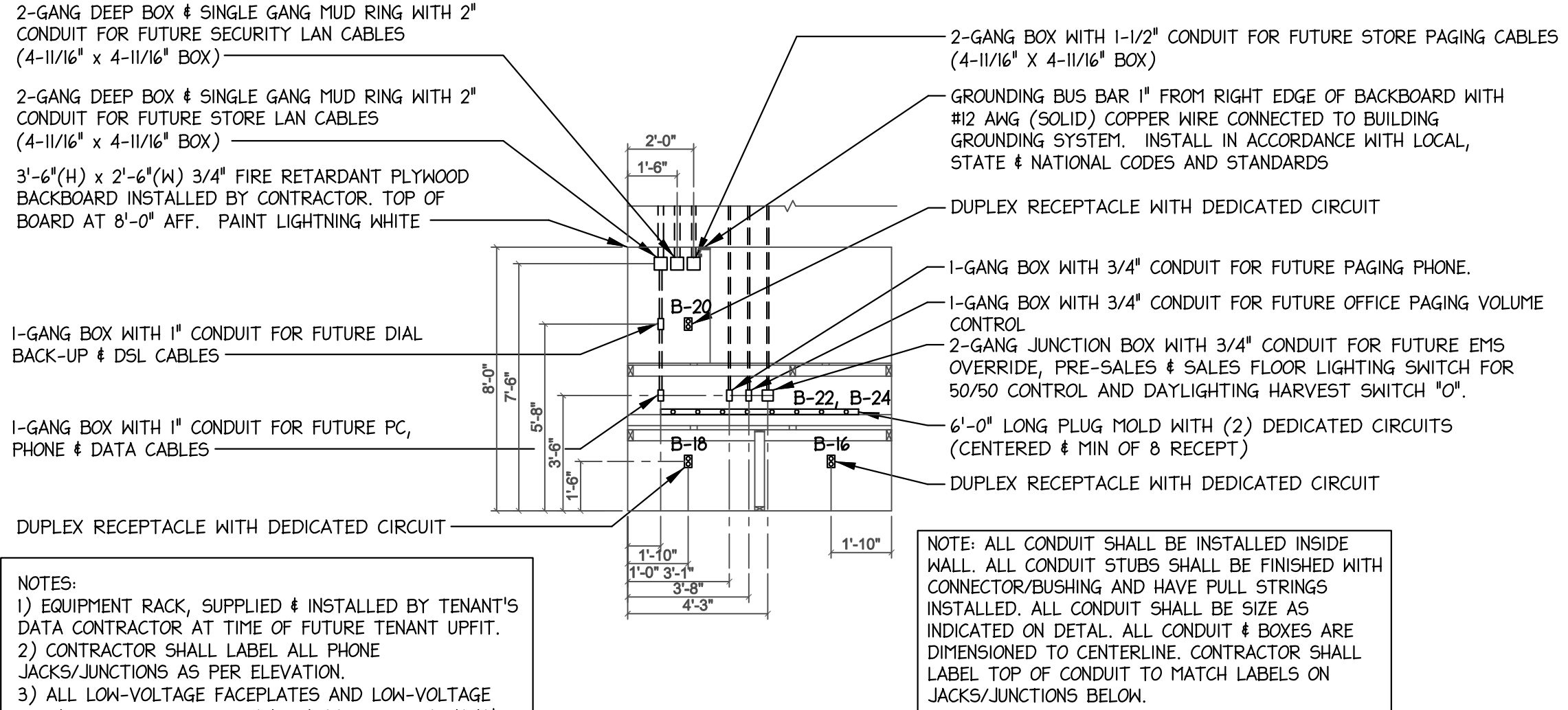
Sheet No.

- TAGGED NOTES (POWER PLAN):**
- PROVIDE MINIMUM 600A, 208Y/120V, 3PH, 4WIRE ELECTRICAL SERVICE TO BUILDING. PROVIDE A SERVICE DISCONNECT SWITCH ON EXTERIOR OF BUILDING. A LARGER SERVICE MAY BE REQUIRED IF HVAC UNITS WITH ELECTRIC HEAT OR HEAT PUMPS WITH SUPPLEMENTAL ELECTRIC HEAT ARE USED. SERVICE LOAD CALCULATIONS AND PANEL LOAD CALCULATIONS SHALL INCLUDE A FUTURE REFRIGERATION LOAD OF 30KW. ALTERNATE SERVICE VOLTAGES AND/OR PHASE REQUIRE PRIOR WRITTEN APPROVAL FROM FAMILY DOLLAR PRIOR TO BEGINNING CONSTRUCTION AND WILL NOT BE ACCEPTED OTHERWISE. SEE POWER RISER DIAGRAM ON THIS SHEET.
  - ELECTRICAL PANEL LOCATION PER FAMILY DOLLAR APPROVED FLOOR PLAN. SEE POWER RISER DIAGRAM ON THIS SHEET. ALTERNATE LOCATIONS REQUIRE PRIOR WRITTEN APPROVAL FROM FAMILY DOLLAR PRIOR TO BEGINNING CONSTRUCTION AND WILL NOT BE ACCEPTED OTHERWISE.
  - CONTRACTOR SHALL PROVIDE 2" EMPTY CONDUIT, SCHEDULE 40 PVC, WITH NYLON PULLWIRE FOR INCOMING TELEPHONE SERVICE. CONTRACTOR SHALL ROUTE TELEPHONE CONDUIT TO PHONE PEDESTAL, PROPERTY LINE, OR POINT AS COORDINATED WITH LOCAL TELEPHONE COMPANY. STUD CONDUIT BELOW COMMUNICATION BOARD LOCATION. TELEPHONE COMPANY DMARC SHALL BE INSTALLED INSIDE ON COMMUNICATION BOARD. DO NOT INSTALL CONDUIT OR DMARC EXPOSED ON FACE OF EXTERIOR WALL. THESE MUST BE LOCATED INSIDE.
  - PROVIDE 4x6" COMMUNICATION BOARD NEXT TO ELECTRICAL PANELS MOUNTED 12" AFF. PROVIDE GROUND BAR AND GROUND TO SERVICE AS REQUIRED BY CODE. PROVIDE (2) TWO DEDICATED 120V CIRCUITS TO (2) TWO DEDICATED RECEPTABLES SURFACE MOUNTED TO COMMUNICATION BOARD. MOUNT RECEPTABLES AT 6'-0" AFF ON RIGHT SIDE OF COMMUNICATION BOARD.
  - PROVIDE DEDICATED 120V, 20A CIRCUIT TO GFI, WEATHERPROOF EXTERIOR RECEPTACLE RECESSED IN WALL 18" A.F.F. WITH FACE FLUSH WITH EXTERIOR WALL. PROVIDE WITH "IN-USE" COVERS. DO NOT LOCATE RECEPTACLE ADJACENT TO HANDICAP ACCESS AREAS/RAMPS.
  - ONLY FAMILY DOLLAR STORES LOCATED IN THE FOLLOWING STATES SHALL BE PROVIDED WITH ELECTRICAL CONNECTIONS FOR FUTURE WATER VENDING MACHINE TO BE INSTALLED BY TENANT: ARIZONA, CALIFORNIA, COLORADO, FLORIDA, NEVADA, NEW MEXICO AND TEXAS. CONTACT FAMILY DOLLAR CONSTRUCTION PROJECT MANAGER TO DETERMINE IF USING THE "WARM WEATHER" OR "COLD WEATHER" WATER VENDING MACHINE INSTALLATION METHOD. LOCATE WATER VENDING MACHINE ELECTRICAL CONNECTIONS ON SAME SIDE OF STORE AS RESTROOMS. REFER TO ARCHITECTURAL AND CIVIL PROTOTYPE DRAWINGS FOR ADDITIONAL VENDING MACHINE OPTIONS AND COORDINATION WITH ACCESSIBLE RAMPS. FIELD VERIFY EXACT LOCATION WITH FAMILY DOLLAR STORE CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION.  
  
FOR WARM WEATHER INSTALLATION PROVIDE: TWO (2) DEDICATED 120V, 20A CIRCUITS TERMINATED TO GFI RECEPTABLES MOUNTED 4'-0" A.F.F. FOR FUTURE WATER VENDING MACHINE AS SHOWN. EXTERIOR RECEPTABLES SHALL BE GFI, WEATHERPROOF AND RECESSED IN WALL WITH FACE FLUSH WITH WALL. PROVIDE WITH "IN-USE" COVERS.  
  
FOR COLD WEATHER INSTALLATION PROVIDE: TWO (2) DEDICATED 120V, 20A CIRCUITS TO J-BOX ON INTERIOR FOR FUTURE 13"x13"x6" INTERIOR MOUNTED UTILITY BOX (PROVIDED BY WATER VENDING MACHINE MANUFACTURER) MOUNTED AT MINIMUM 7'-6" A.F.F. PROVIDE WEATHERPROOF 2 GANG BOX @ 4'-0" AFF RECESSED IN EXTERIOR WALL WITH 1/2" CONDUIT TO INTERIOR MOUNTED UTILITY BOX LOCATION. REFER TO INSTALLATION SPECIFICATIONS FROM WATER VENDING MACHINE MANUFACTURER FOR EXACT PLACEMENT OF ALL UTILITIES. THE FIRST CIRCUIT IS FOR NORMAL WATER VENDING MACHINE POWER AND THE SECOND CIRCUIT IS FOR "COLD WEATHER" MODEL CABINET HEATER.
  - PROVIDE DEDICATED 120V, 20A CIRCUIT TO FLUSH MOUNTED RECEPTACLE IN WALL 6' BELOW FINISHED CEILING HEIGHT FOR FUTURE EAS POWER SUPPLY. RECEPTACLE SHALL BE MOUNTED DIRECTLY ABOVE DOOR MULLION CLOSEST TO FUTURE CHECKOUT STATIONS. CONFIRM SIDE TO MOUNT RECEPTACLE WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION. FUTURE EAS SHALL BE FURNISHED AND INSTALLED BY EAS VENDOR AT TIME OF FUTURE FD UPFIT.
  - PROVIDE DEDICATED 120V, 20A CIRCUIT TO FLUSH MOUNTED RECEPTACLE IN WALL 18" AFF. FOR FUTURE ATM. CONFIRM RECEPTACLE LOCATION WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION. FOR PROJECTS WHERE FUTURE ATM IS NOT LOCATED AGAINST A WALL, PROVIDE DEDICATED 120V, 20A CIRCUIT TERMINATED TO JUNCTION BOX SECURED TO STRUCTURE. CONFIRM LOCATION OF JUNCTION BOX WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION. FUTURE POWER POLE FOR ICE CREAM SHALL BE FURNISHED AND INSTALLED AT TIME OF FUTURE FD UPFIT. JUNCTION BOX SHALL BE LOCATED WITHIN 3' OF FUTURE POWER POLE LOCATION.
  - PROVIDE FLUSH MOUNTED RECEPTACLE IN CEILING FOR FUTURE SECURITY MONITORS. PROVIDE ONE 120V, 20A CIRCUIT FOR ALL RECEPTABLES.
  - FURNISH AND INSTALL 120V, 20A DEDICATED CIRCUIT TO JUNCTION BOX ABOVE CEILING FOR FUTURE EXTERIOR BUILDING SIGNS. BUILDING SIGN CIRCUIT SHALL BE CIRCUITED VIA TIMECLOCK. PROVIDE ADDITIONAL 6'-0" FEET OF SLACK ABOVE ELECTRICAL PANEL. COORDINATE ACTUAL NUMBER OF BUILDING MOUNTED SIGNS WITH ARCHITECTURAL ELEVATIONS AND FDS PROJECT MANAGER PRIOR TO CONSTRUCTION. COORDINATE REQUIRED JUNCTION BOX QUANTITIES AND LOCATION WITH ARCHITECTURAL ELEVATIONS AND SIGN SUPPLIER PRIOR TO ELECTRICAL ROUGH-IN.
  - PROVIDE SINGLE GANG JUNCTION BOX MOUNTED NEXT TO STOCK ROOM DOOR FOR FUTURE PAGING PHONE. EC SHALL MOUNT JUNCTION BOX IN WALL AT 48" AFF WITH 3/4" CONDUIT WITH PULL STRING UP IN WALL TO 6' ABOVE SALES FLOOR CEILING. PAGING SYSTEM SHALL BE PROVIDED BY FD VENDOR AT TIME OF FUTURE TENANT UPFIT.
  - PROVIDE SIX (6) DEDICATED 120V, 20A CIRCUITS FOR FUTURE CASH STATIONS. CIRCUITS SHALL BE TERMINATED TO JUNCTION BOXES SECURED TO STRUCTURE. CONFIRM LOCATION OF JUNCTION BOXES WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION. FUTURE POWER POLES FOR CASH STATIONS SHALL BE FURNISHED AND INSTALLED AT TIME OF FUTURE FD UPFIT. JUNCTION BOXES SHALL BE LOCATED WITHIN 3' OF FUTURE POWER POLE LOCATIONS. LABEL ALL JUNCTION BOXES WITH CIRCUIT NUMBER AND DESCRIPTION AS SHOWN IN PANEL SCHEDULE. ALL CIRCUITS SHALL HAVE DEDICATED NEUTRALS. DO NOT SHARE NEUTRALS. PROVIDE ADDITIONAL JUNCTION BOX ABOVE CEILING FOR FUTURE CHECKOUT CABINET AND CIRCUIT TO NEAREST CASH STATION JUNCTION BOX.
  - PROVIDE DEDICATED 120V, 20A CIRCUIT FOR FUTURE HAND DRYER. CIRCUIT SHALL BE TERMINATED TO JUNCTION BOX IN WALL. CONFIRM MOUNTING HEIGHT AND LOCATION WITH ARCHITECTURAL ENLARGED RESTROOM PLAN.
  - PROVIDE QUAD RECEPTACLE MOUNTED AT 18" AFF. IN EMPLOYEE BREAK AREA. PROVIDE TWO (2) DEDICATED 120V, 20A CIRCUITS. ONE CIRCUIT SHALL FEED THE LEFT DUPLEX RECEPTACLE AND THE SECOND CIRCUIT SHALL FEED THE RIGHT DUPLEX RECEPTACLE. CONFIRM RECEPTACLE LOCATION WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION.
  - PROVIDE DEDICATED 120V, 20A CIRCUIT TO FLUSH MOUNTED RECEPTACLE IN WALL 18" AFF. IN STOCK ROOM NEAR FREIGHT DOOR.
  - PROVIDE DOOR BELL, PUSH BUTTON AND LOW VOLTAGE TRANSFORMER. MOUNT DOOR BELL ABOVE STOCK ROOM DOOR ON SALES SIDE. WIRE TO CIRCUIT FOR STOCK ROOM RECEPTACLE.
  - PROVIDE RECEPTABLES ON SALES FLOOR APPROXIMATELY 50' APART ON EACH WALL MOUNTED 4" AFF. MINIMUM TWO (2) RECEPTABLES PER WALL EXCEPT THAT WALL WITH REFRIGERATION CASES ONLY GETS ONE (1). PROVIDE TWO (2) 120V, 20A CIRCUITS FOR THE RECEPTABLES.
  - PROVIDE DEDICATED 120V, 20A CIRCUIT TO FLUSH MOUNTED RECEPTACLE IN WALL 18" AFF. FOR FUTURE INTERIOR ICE. CONFIRM RECEPTACLE LOCATION WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION.
  - PROVIDE DEDICATED 120V, 20A CIRCUIT TO FLUSH MOUNTED RECEPTACLE IN WALL 18" AFF. FOR FUTURE ICE CREAM. CONFIRM RECEPTACLE LOCATION WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION. FOR PROJECTS WHERE FUTURE ICE CREAM IS NOT LOCATED AGAINST A WALL, PROVIDE DEDICATED 120V, 20A CIRCUIT TERMINATED TO JUNCTION BOX SECURED TO STRUCTURE. CONFIRM LOCATION OF JUNCTION BOX WITH FD SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING CONSTRUCTION. FUTURE POWER POLE FOR ICE CREAM SHALL BE FURNISHED AND INSTALLED AT TIME OF FUTURE FD UPFIT. JUNCTION BOX SHALL BE LOCATED WITHIN 3' OF FUTURE POWER POLE LOCATION.
  - PROVIDE DUPLEX RECEPTACLE FOR "SHOW WINDOW" LIGHTING. MOUNT ABOVE WINDOW IN WALL OR CEILING, BUT WITHIN 18" OF TOP OF WINDOW. PROVIDE ONE 120V, 20A CIRCUIT FOR ALL RECEPTABLES.
  - PROVIDE (1) 2-1/2" CONDUIT FOR FUTURE CELLULAR COMMUNICATIONS CABLING THROUGH METAL BUILDING WALL AT A MINIMUM 12'-6" AFF. CAP OFF BOTH ENDS OF THE CONDUIT. PROVIDE SILICON SEALANT AROUND PENETRATIONS, INSIDE AND OUTSIDE. DO NOT MAKE ANY PENETRATIONS OF THE ROOF. CONDUIT SHOULD BE WITHIN 75' OF THE OFFICE.

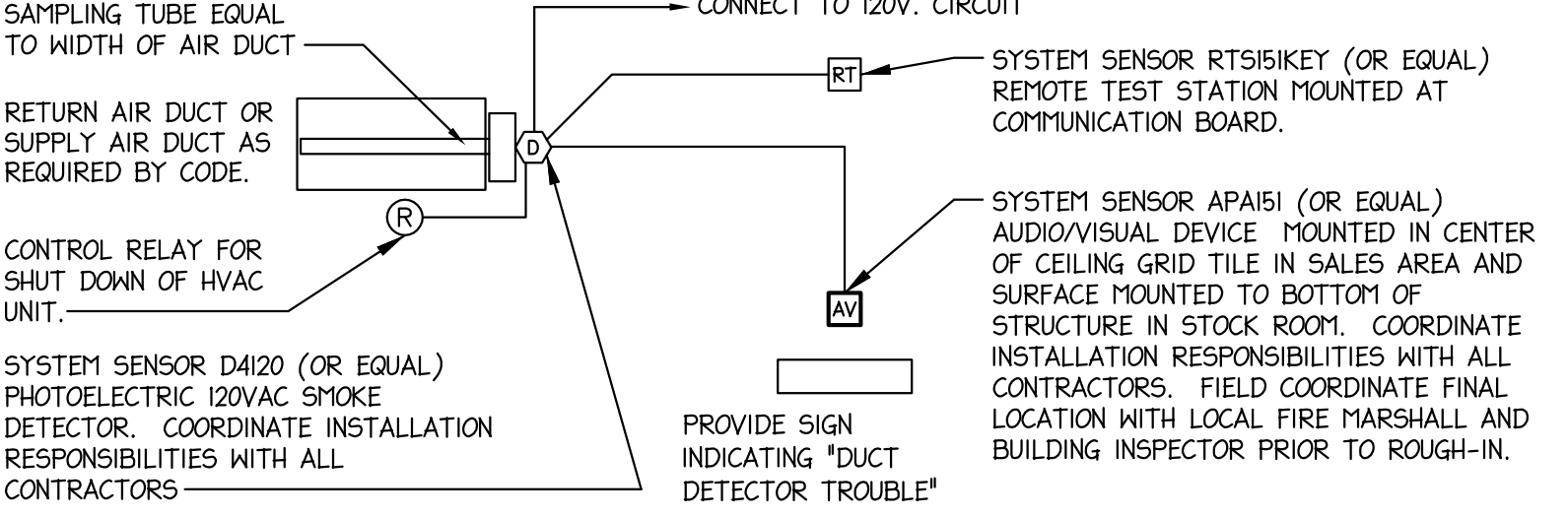


**1 POWER PLAN**  
1/8" = 1'-0"

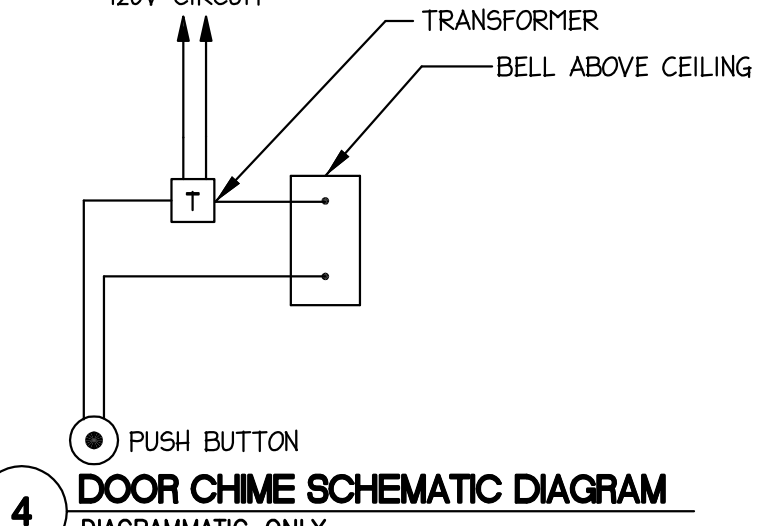
CONTRACTOR SHALL PROVIDE 120V ELECTRICAL CONNECTION TO HOT BOX / HEAT TAPE FOR BACKFLOW PREVENTER(S). FIELD COORDINATE REQUIREMENTS AND LOCATION WITH CIVIL SITE ENGINEER PRIOR TO PROJECT START. CONTRACTOR SHALL RUN 3/8" WIRE IN 1" CONDUIT UNDERGROUND TO HOT BOX LOCATION.



**2 OFFICE ELEVATION - ELECTRICAL + DATA**



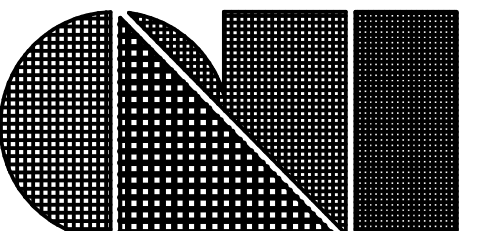
**3 DUCT DETECTOR DETAIL**  
DIAGRAMMATIC ONLY  
ALL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE LATEST LOCAL CODES.  
CONTRACTOR SHALL PROVIDE, WIRE AND TEST OPERATION OF DUCT SMOKE DETECTORS, REMOTE TEST STATIONS AND NOTIFICATION DEVICES.  
INSTALL/WIRE DUCT SMOKE DETECTORS, REMOTE TEST STATIONS AND NOTIFICATION DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.



**4 DOOR CHIME SCHEMATIC DIAGRAM**  
DIAGRAMMATIC ONLY

**NOTES:**  
1) EQUIPMENT RACK, SUPPLIED & INSTALLED BY TENANT'S DATA CONTRACTOR AT TIME OF FUTURE TENANT UPFIT.  
2) CONTRACTOR SHALL LABEL ALL PHONE JACKS/JUNCTIONS AS PER ELEVATION.  
3) ALL LOW-VOLTAGE FACEPLATES AND LOW-VOLTAGE WIRING WILL BE PROVIDED AND INSTALLED BY TENANT'S DATA CONTRACTOR AT TIME OF FUTURE TENANT UPFIT.  
4) OFFICE ELEVATION REQUIRES TOTAL OF FIVE (5) DEDICATED CIRCUITS.

**NOTE:** ALL CONDUIT SHALL BE INSTALLED INSIDE WALL. ALL CONDUIT STUBS SHALL BE FINISHED WITH CONNECTOR/BUSHING AND HAVE PULL STRINGS INSTALLED. ALL CONDUIT SHALL BE SIZE AS INDICATED ON DETAIL. ALL CONDUIT & BOXES ARE DIMENSIONED TO CENTERLINE. CONTRACTOR SHALL LABEL TOP OF CONDUIT TO MATCH LABELS ON JACKS/JUNCTIONS BELOW.



C.L. Helt, Architect Inc.

6405 WILKINSON BLVD  
SUITE 100  
BELMONT, NC 28012

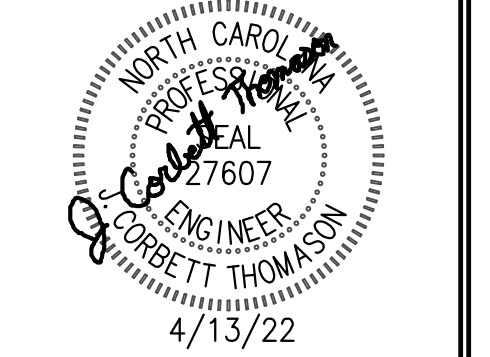
Ph. 704-342-1686  
Fx. 704-343-0054  
EMAIL: INFO@CLHELT.COM

ARCHITECT'S PROJECT # 21112

**Project :**  
**FAMILY DOLLAR**  
FOR  
STOCKS & TAYLOR CONSTRUCTION INC.  
HWY 168  
CURRITUCK, NC  
2021-01 'RURAL' VB PROTOTYPE

**Sheet Description :**  
**ELECTRICAL**  
**LIGHTING PLAN**  
FAMILY DOLLAR RISK CLASS 0

**Seal**  
**ENGINEER OF RECORD:**  
J. CORBETT THOMASON, P.E.  
Corbett Engineering PC  
Firm # C-4109  
2120 DILWORTH RD EAST  
CHARLOTTE, NC 28203  
PH (704) 333-1020  
Corbett@CorbettEngineering.com



THIS DRAWING AND ITS COPIES ARE THE  
COPYRIGHT OF THE ARCHITECT. THEY MAY NOT  
BE USED FOR PROJECTS OTHER THAN THE  
DESIGNATED PROJECT WITHOUT THE SPECIFIC  
WRITTEN APPROVAL OF C. L. HELT ARCHITECT  
INC., AND OR TIMOTHY JOHNSTON, ARCHITECT

**Drawn By :**  
C. THOMASON  
**Checked By :**  
C. THOMASON

**Revisions :**

**Date :**  
02/15/22

Sheet No.

### ELECTRICAL LIGHTING SYMBOL LEGEND

	ARROWHEAD INDICATES HOMERUN TO PANEL NOTED.
S	SINGLE POLE SWITCH, 20A, 120/277 VOLT, 46" A.F.F. TO CENTER. *M INDICATES 120V, 20A MOTOR RATED TOGGLE SWITCH.
S <sup>OC</sup>	OCCUPANCY SENSOR SWITCH WITH OVERRIDE SWITCH, MOUNTED 46" A.F.F. TO CENTER. PROVIDE SENSOR SWITCH MODEL #MSD-WH.
	CEILING EXHAUST FAN. PROVIDE DISCONNECTING MEANS AS REQUIRED BY CODE.

ELECTRICAL SUMMARY	
<b>ELECTRICAL SYSTEM AND EQUIPMENT</b>	
Method of Compliance:	
Energy Code	<input checked="" type="checkbox"/> Prescriptive <input type="checkbox"/> Performance
ASHRAE 90.1	<input type="checkbox"/> Prescriptive <input type="checkbox"/> Performance
<b>Lighting Schedule (each fixture type)</b>	
Lamp type required in fixture	SEE LUMINAIRE SCHEDULE ON E3
Number of lamps in fixture	SEE LUMINAIRE SCHEDULE ON E3
Ballast type used in the fixture	SEE LUMINAIRE SCHEDULE ON E3
Number of ballasts in fixture	SEE LUMINAIRE SCHEDULE ON E3
Total wattage per fixture	SEE LUMINAIRE SCHEDULE ON E3
Total interior wattage specified vs. allowed (whole building) or space by space	4824 W VS. 11865 W
Total exterior wattage specified vs. allowed	1190 W ** VS. 1228
<b>Additional Efficiency Package Options</b>	
<input type="checkbox"/> C406.2 More efficient hvac equipment performance	
<input checked="" type="checkbox"/> C406.3 Reduced lighting power density	
<input type="checkbox"/> C406.4 Enhanced digital lighting controls	
<input type="checkbox"/> C406.5 On-site renewable energy	
<input type="checkbox"/> C406.6 Dedicated outdoor air system	
<input type="checkbox"/> C406.7 Reduced energy use in service water heating	

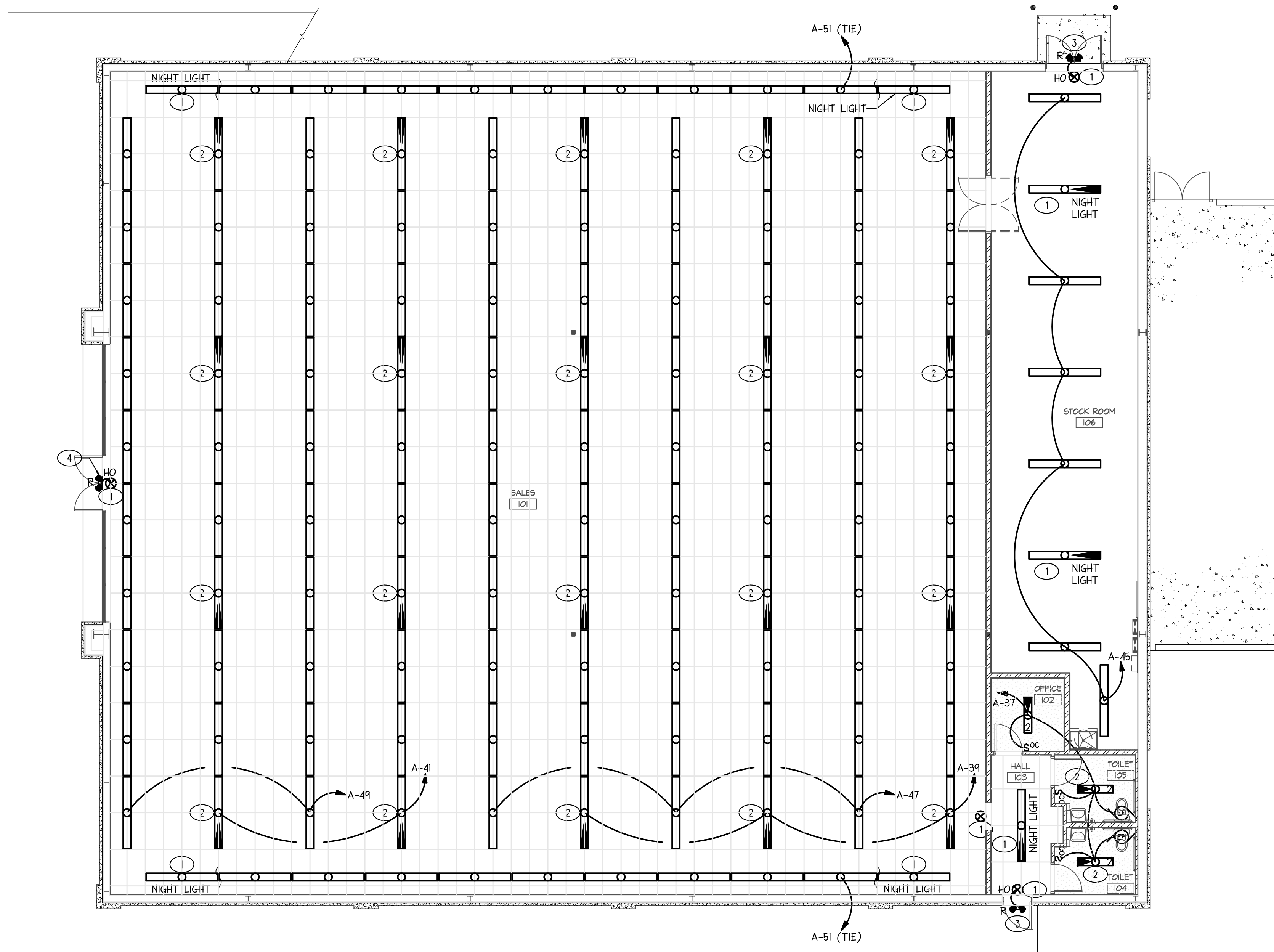
\*\* GOOSENECK WATTAGE NOT INCLUDED IN THIS NUMBER. GOOSENECK WATTAGE IS BEING APPLIED TO "ILLUMINATED AREA OF FACADE WALL" AND IS NON-TRADEABLE WATTAGE.

NOTE:  
LIGHT FIXTURES SHOWN IN LIGHT FIXTURE SCHEDULE SHALL BE ORDERED AND PURCHASED FROM NATIONAL ENERGY AND LIGHT (NEL).  
CONTACT BRIDGETTE FOURIER AT 603-718-1634 OR LAURIE ROPER AT 603-804-4643 FOR ORDERING AND PRICING INFORMATION.

### LIGHTING FIXTURE SCHEDULE

FIXTURE	DESCRIPTION	NUMBER AND TYPE OF LAMPS	WATTS	VOLTS	MOUNTING	NOTES:
	8' STRIP LIGHT	(2) 18W LED LINEAR T8 TUBES 4000K	36	120	NOTE 6	1,2,3,4,5,6
	8' STRIP EMERGENCY LIGHT WITH INTEGRAL 90 MINUTE BATTERY BACKUP	(2) 18W LED LINEAR T8 TUBES 4000K	36	120	NOTE 6	1,2,3,4,5,6
	4' STRIP LIGHT	(1) 18W LED LINEAR T8 TUBE 4000K	18	120	NOTE 6	1,2,3,4,5,6
	4' STRIP EMERGENCY LIGHT WITH INTEGRAL 90 MINUTE BATTERY BACKUP	(2) 18W LED LINEAR T8 TUBE 4000K	36	120	NOTE 6	1,2,3,4,5,6
	INTERIOR EMERGENCY LIGHT (2 HEADS) WITH INTEGRAL 90 MINUTE BATTERY BACKUP	(2) 1W LED	2	120	SURFACE	1,2,4
	EXIT SIGN WITH SINGLE FACE WITH INTEGRAL 90 MINUTE BATTERY BACKUP	LED	5	120	CEILING	1,2,4
	EXIT SIGN WITH SINGLE FACE WITH INTEGRAL 90 MINUTE BATTERY BACKUP. CONNECT TO EXTERIOR REMOTE HEADS.	LED	5	120	CEILING	1,2,4
	EXTERIOR EMERGENCY LIGHT REMOTE HEADS CONNECT TO EXIT SIGN HI-OUTPUT BATTERY BACKUP.	(2) 1W LED	2	120	SURFACE	1,2,4

NOTES:  
1. ALL LIGHT FIXTURES SHALL BE PROVIDED WITH LAMPS.  
2. CONTRACTOR SHALL COORDINATE VOLTAGE OF LIGHT FIXTURE WITH CIRCUIT VOLTAGE.  
3. LIGHT FIXTURES DENOTED BY "NIGHT LIGHT" OR "NL" SHALL REMAIN ON 24/7.  
4. CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPPORT HARDWARE AND ADAPTERS FOR EACH LIGHT FIXTURE UNLESS NOTED OTHERWISE.  
5. COORDINATE LIGHT FIXTURE MOUNTING WITH CEILING TYPE. REFER TO ARCHITECTURAL PLANS.  
6. LIGHT FIXTURES IN SALES AREA SHALL BE SURFACE MOUNTED TO BOTTOM OF LAY-IN CEILING AT 11"-10". LIGHT FIXTURES IN THE STOCK ROOM SHALL BE SUSPENDED FROM STRUCTURE USING CADDY SPEED LINK. PENTAIR CADDY SPEED LINK UNIVERSAL SUPPORT SYSTEM INCLUDES LOCKING DEVICE, WIRE ROPE AND SPECIALTY END FITTING. CADDY SPEED LINK SUPPORT SYSTEM SHALL BE FURNISHED WITH LIGHT FIXTURES. FOR STOCK ROOM, SUSPEND BOTTOM OF LIGHT FIXTURE TO 10'-0" AFF. FOR RESTROOMS, OFFICE AND HALL, LIGHT FIXTURES SHALL BE SURFACE MOUNTED TO BOTTOM OF CEILING. FOR LIGHT FIXTURES SURFACE MOUNTED TO LAY-IN CEILING, ATTACH LIGHT FIXTURE TO T-BAR PER NEC 410-36.



### 1 ELECTRICAL LIGHTING PLAN 1/8"=1'-0"

#### TAGGED NOTES (LIGHTING PLAN):

- ALL EXIT SIGNS, NIGHT LIGHTS AND NIGHT LIGHTS WITH EMERGENCY BATTERY BACKUP SHALL BE CIRCUITED TO DEDICATED CIRCUIT WITH BREAKER LOCK, A-53.
- WIRE EMERGENCY BATTERY BALLAST TO HOT LEG, AHEAD OF ANY LOCAL SWITCHING, INCLUDING FUTURE ENERGY MANAGEMENT SYSTEM CONTACTORS.
- EXTERIOR EMERGENCY LIGHT (2 HEADS) MOUNTED CENTERED ABOVE DOOR AT 7'-6". EXTERIOR EMERGENCY LIGHT SHALL BE CONNECTED TO EMERGENCY EXIT LIGHT HI-OUTPUT BATTERY BACKUP.
- EXTERIOR EMERGENCY LIGHT (2 HEADS) MOUNTED CENTERED ABOVE DOOR, TIGHT TO BOTTOM OF ENTRANCE CANOPY. EXTERIOR EMERGENCY LIGHT SHALL BE CONNECTED TO EMERGENCY EXIT LIGHT HI-OUTPUT BATTERY BACKUP.

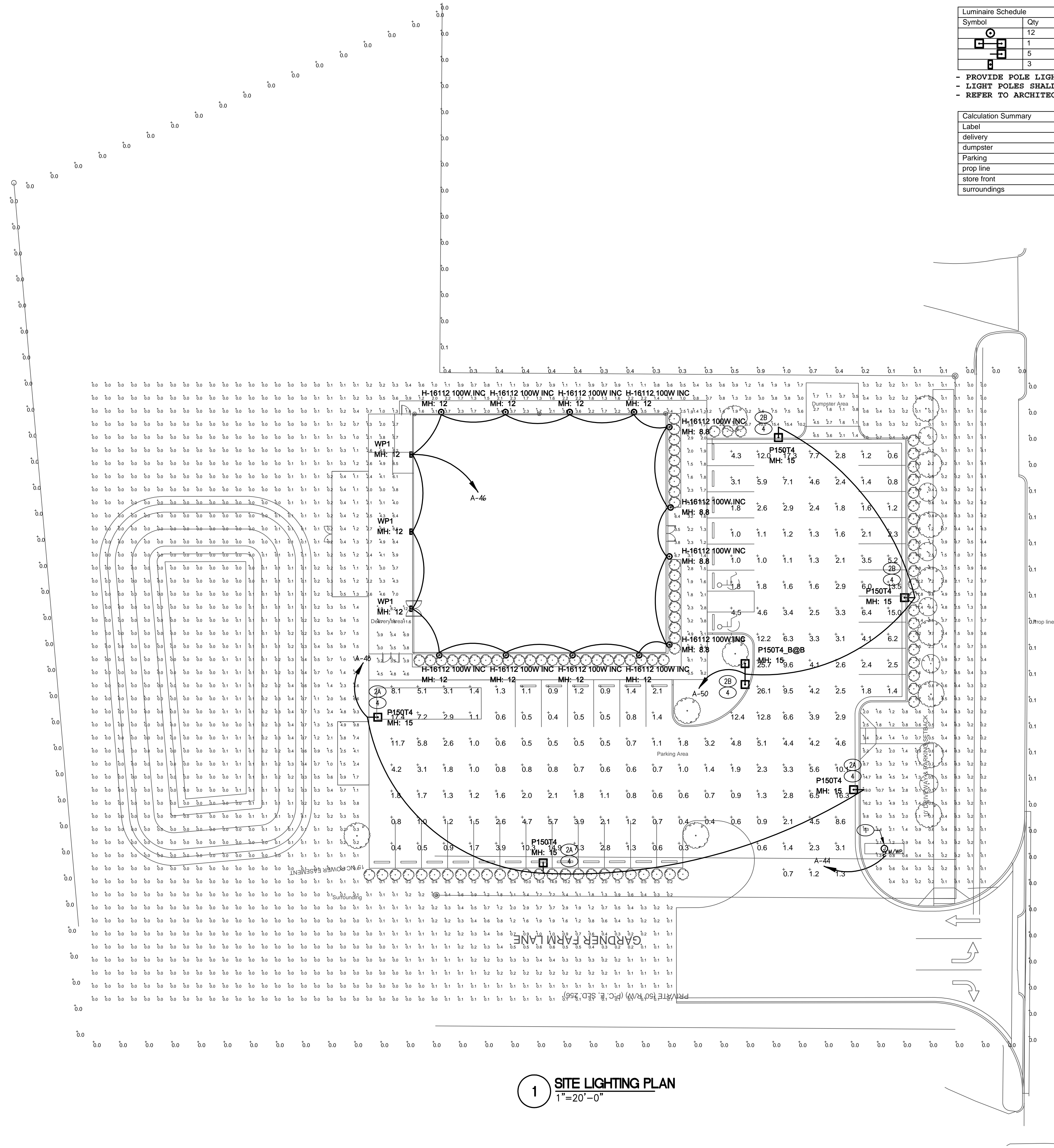
#### GENERAL NOTES:

- CONTRACTOR SHALL INSTALL ADDITIONAL WIRE TIE SUPPORTS FROM THE CEILING GRID TO THE STRUCTURE ABOVE FOR SUPPORT OF THE LIGHT FIXTURES CLIPPED ON THE GRID.
- LIGHTING CIRCUITS IN SALES AREA AND STOCK ROOM SHALL BE WIRED SUCH THE CIRCUIT(S) CAN BE RE-WIRED THRU FUTURE ENERGY MANAGEMENT SYSTEM AT TIME OF FUTURE TENANT UPFIT.

Symbol	Qty	Label	Description	Lum. Lumens	Lum. Watts	LLF	Filename
	12	H-16112 100W INC	H-1611-12	1284	0	1.000	H-16112 100W INC.IES
	1	P150T4_B@B	NEL-AL150 T4 22' POLE + 2' BASE	18876	152.4	0.900	NEL-AL150 T4.ies
	5	P150T4	NEL-AL150 T4 22' POLE + 2' BASE	18876	152.4	0.900	NEL-AL150 T4.ies
	3	WP1	NEL MWP1040W27V40KD 12' MOUNTING HEIGHT	5198	40.88	0.900	MWP1040W27V40KD.ies

- PROVIDE POLE LIGHTS WITH LIGHT POLES SUITABLE FOR MOUNTING ON CONCRETE POLE BASE.  
 - LIGHT POLES SHALL BE MOUNTED ON 24" DIA., 36" CONCRETE POLE BASE. SEE ARCHITECTURAL OR CIVIL PLANS FOR POLE BASE DETAILS.  
 - REFER TO ARCHITECTURAL PLANS FOR CONTACT INFORMATION FOR LIGHTING SUPPLIER FOR PRICING AND ORDERING OF LIGHTS.

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
delivery	Illuminance	Fc	5.61	12.7	3.0	1.87	4.23
dumpster	Illuminance	Fc	2.11	6.5	0.5	4.22	13.00
Parking	Illuminance	Fc	3.53	26.1	0.3	11.77	87.00
prop line	Illuminance	Fc	0.06	1.0	0.0	N.A.	N.A.
store front	Illuminance	Fc	3.09	8.2	1.2	2.58	6.83
surroundings	Illuminance	Fc	0.72	19.0	0.0	N.A.	N.A.

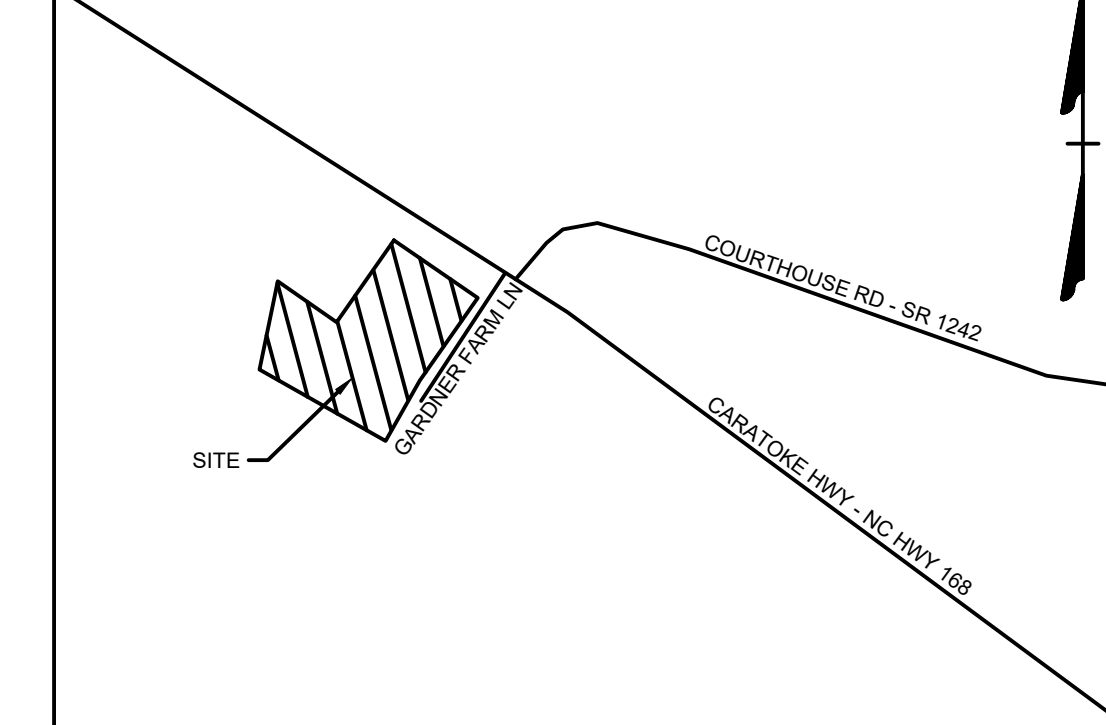
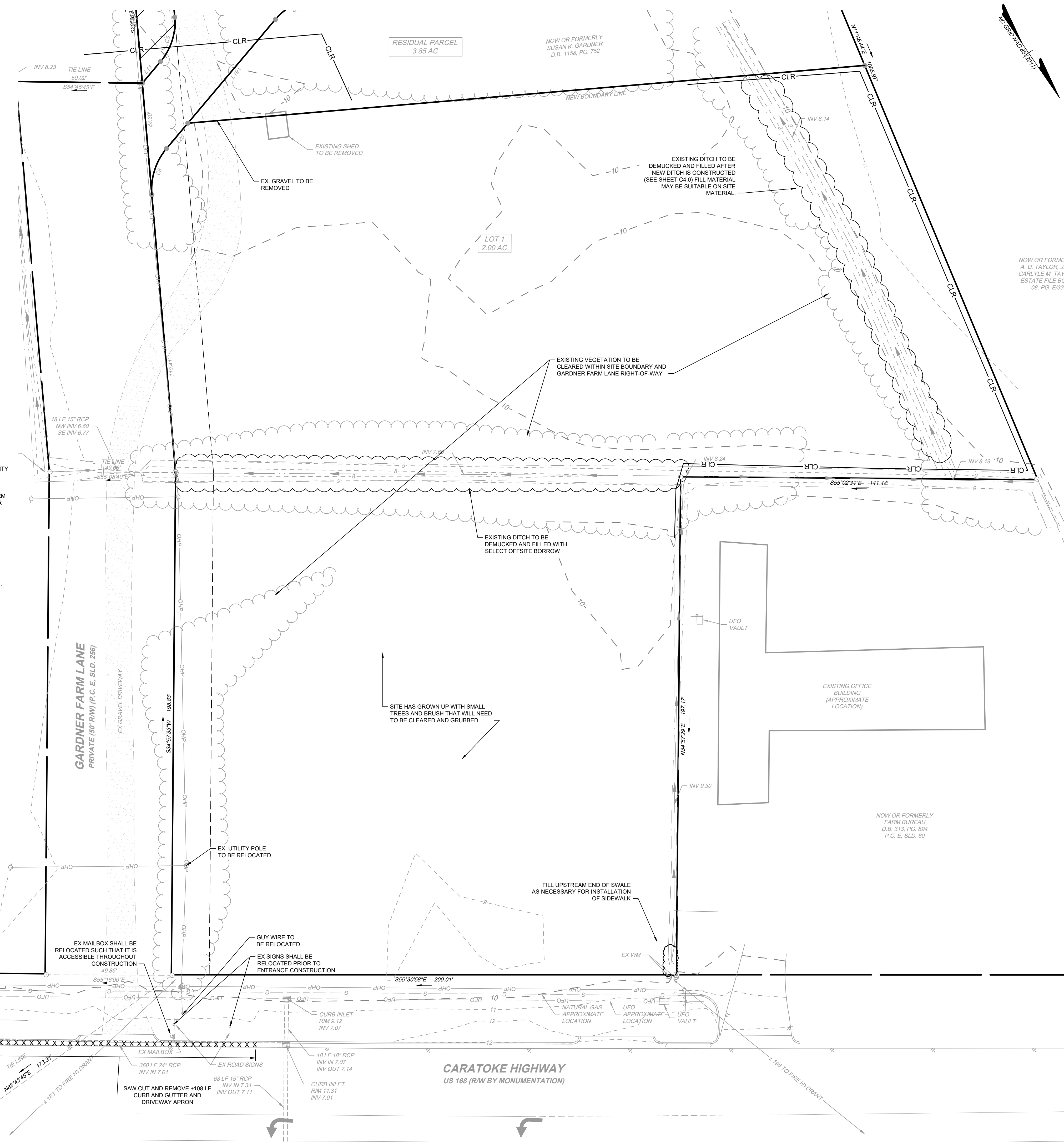


**1 SITE LIGHTING PLAN**  
 1"=20'-0"

- GENERAL LIGHTING NOTES:**
- ALL EXTERIOR LIGHTING SHALL BE CONTROLLED BY TIMELOCK AS NOTED BELOW.
  - REFER TO ARCHITECTURAL PLANS FOR FINAL MOUNTING HEIGHT AND LOCATION OF ALL EXTERIOR WALL MOUNTED LIGHT FIXTURES.
- SITE LIGHTING TAGGED NOTES:**
- 1 CONTRACTOR SHALL PROVIDE A WEATHERPROOF JUNCTION BOX FOR FUTURE Pylon SIGN. MOUNT TO SIGN PEDESTAL OR POLE. CONTRACTOR SHALL RUN 3#8 WIRE IN 1" CONDUIT UNDERGROUND TO Pylon SIGN LOCATION. Pylon SIGN CIRCUIT SHALL BE CIRCUITED VIA TERMINAL STRIP ENCLOSURE AND TIMELOCK.
  - 2A CONTRACTOR SHALL PROVIDE 120V ELECTRICAL CONNECTION TO SITE LIGHT POLES. CONTRACTOR SHALL RUN 3#8 WIRE IN 1" CONDUIT UNDERGROUND TO SITE POLE LIGHT LOCATIONS. SITE LIGHTING CIRCUIT SHALL BE CIRCUITED VIA TERMINAL STRIP ENCLOSURE AND TIMELOCK.
  - 2B CONTRACTOR SHALL PROVIDE 120V ELECTRICAL CONNECTION TO SITE LIGHT POLES. CONTRACTOR SHALL RUN 3#8 WIRE IN 1" CONDUIT UNDERGROUND TO SITE POLE LIGHT LOCATIONS. SITE LIGHTING CIRCUIT SHALL BE CIRCUITED VIA TERMINAL STRIP ENCLOSURE AND TIMELOCK.
  - 3 CONTRACTOR SHALL WIRE EMERGENCY BATTERY OF LIGHT FIXTURE TO UNSWITCHED HOT LEG.
  - 4 LIGHT POLES SHALL BE MOUNTED ON 24" DIA., 36" HIGH CONCRETE BASE.

- SITE DATA:**
- OWNER:  
SUSAN K GARDNER  
2844 CARATOKE HWY  
CURRITUCK, NC 27929  
(252) 207-6063
  - DEVELOPER:  
CEDAR RUN CAPITAL, LLC  
2405-F NASH ST. NW  
WILSON, NC 27896  
CHARLES THOMAS, MANAGER  
(252) 339-1964  
CTHOMAS280@YAHOO.COM
  - SITE INFORMATION:  
PIN: 0050000620000  
GPN: 8979-05-0538  
D.B. 1158, PG. 752  
ZONING: GB (GENERAL BUSINESS)  
PARCEL AREA: 5.85 AC  
SITE AREA: 2.00 AC  
SITE ADDRESS: 100 GARDNER FARM LANE  
CURRITUCK, NC 27929
  - BUILDING SETBACKS:  
MAJOR ARTERIAL: 30'  
SIDE: 15'  
CORNER: 20'  
PARKING/DRIVEWAY: 10'
  - PARKING REQUIREMENTS:  
10,515 SF @ 1,000 SF = 35 SPACES  
SPACES PROVIDED = 35 (INCLUDING 2 ADA SPACES)
  - SITE COVERAGE CALCULATIONS:  
PROPOSED:  
BUILDING (ROOF): 10,515 SF (12.07%)  
PARKING DRIVE: 20,647 SF (23.70%)  
SIDEWALKS (CONCRETE): 5,126 SF (5.88%)  
OPEN SPACE: 50,832 SF (58.35%)  
TOTAL: 87,120 SF (100.00%)  
OFFSITE: 15,060 SF
  - LANDSCAPE REQUIREMENTS:  
SITE LANDSCAPING:  
2 ACI OF CANOPY TREE PER ACRE  
1 TREE WITHIN 60' OF EACH PARKING SPACE  
1 SHRUB PER 5' OF BUILDING FACADE  
PROVIDED: 7 TREES @ 2 ACI EACH = 10 ACI  
41 SHRUBS  
PARKING PERIMETER:  
SHRUBS AT 5' O. C. ALONG PARKING PERIMETER  
PROVIDED: 69 SHRUBS  
STREETSCAPE:  
8 ACI CANOPY TREES + 4.5 ACI UNDERSTORY TREES + 10 SHRUBS  
PER 100 LF OF STREET FRONTAGE  
PROVIDED: 8 CANOPY TREES @ 2 ACI EACH = 16 ACI  
6 UNDERSTORY TREES @ 1.5 ACI = 9 ACI  
20 SHRUBS

- ALL UTILITY CONNECTIONS SHALL CONFORM TO CURRITUCK COUNTY STANDARDS AND SHALL BE COORDINATED WITH THE CURRITUCK COUNTY PUBLIC WORKS DEPARTMENT.
- CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. FAILURE TO KEEP EROSION DEVICES IN GOOD WORKING ORDER MAY RESULT IN THE ISSUANCE OF STOP WORK ORDER.
- ANY FILL BROUGHT ON SITE SHALL BE FROM AN APPROVED SITEMINE. ANY MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A SINGLE APPROVED LOCATION.
- DISTURBED AREA SHALL NOT EXCEED 2.69 ACRES.
- ALL STORAGE BINS, TRASH RECEPTACLES AND RECYCLE CONTAINERS SHALL BE SCREENED.
- TOPOGRAPHIC SURVEY PERFORMED BY TIMMONS GROUP IN JUNE 2021.



**LEGEND**

- BENCHMARK
- IRON ROD FOUND (IRF)
- CALCULATED POINT
- EX. SIGNMARKER
- EX. UTILITY POLE
- EX. GUY ANCHOR
- EX. DROP INLET
- EX. WATER METER
- EX. MAIL BOX
- PROPERTY BOUNDARY
- RIGHT OF WAY
- ADJACENT PROPERTY BOUNDARY
- PROPERTY TIES
- POWER EASEMENT
- EX. EDGE OF PAVEMENT
- EX. EDGE OF GRAVEL
- EX. OVERHEAD POWER
- EX. NATURAL GAS
- EX. UNDERGROUND FIBER-OPTIC
- EX. WATER LINE
- EX. CENTER OF DITCH
- EX. TOP OF BANK
- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- EX. STORM PIPE
- EX. TREELINE
- CLR - CLEARING LIMITS
- EX GRAVEL ROAD TO BE REMOVED

**REVISION DESCRIPTION**

DATE	REVISION DESCRIPTION
04/04/2022	MODIFIED SUBDIVISION, REDIRECTED STORM DRAIN DISCHARGE
05/16/2022	ISSUED FOR CONSTRUCTION

DATE: 01/20/2022  
DRAWN BY: JHS  
DESIGNED BY: KDH  
CHECKED BY: KDH  
SCALE: 1" = 20'

**811** Know what's below. Call before you dig.

SCALE 1"=20'  
0 20' 40'



THIS DRAWING PREPARED AT THE  
**ELIZABETH CITY OFFICE**  
1805 West City Drive, Unit E | Elizabeth City, NC 27909  
TEL 532.621.3000 FAX 532.502.0974 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

**TIMMONS GROUP**

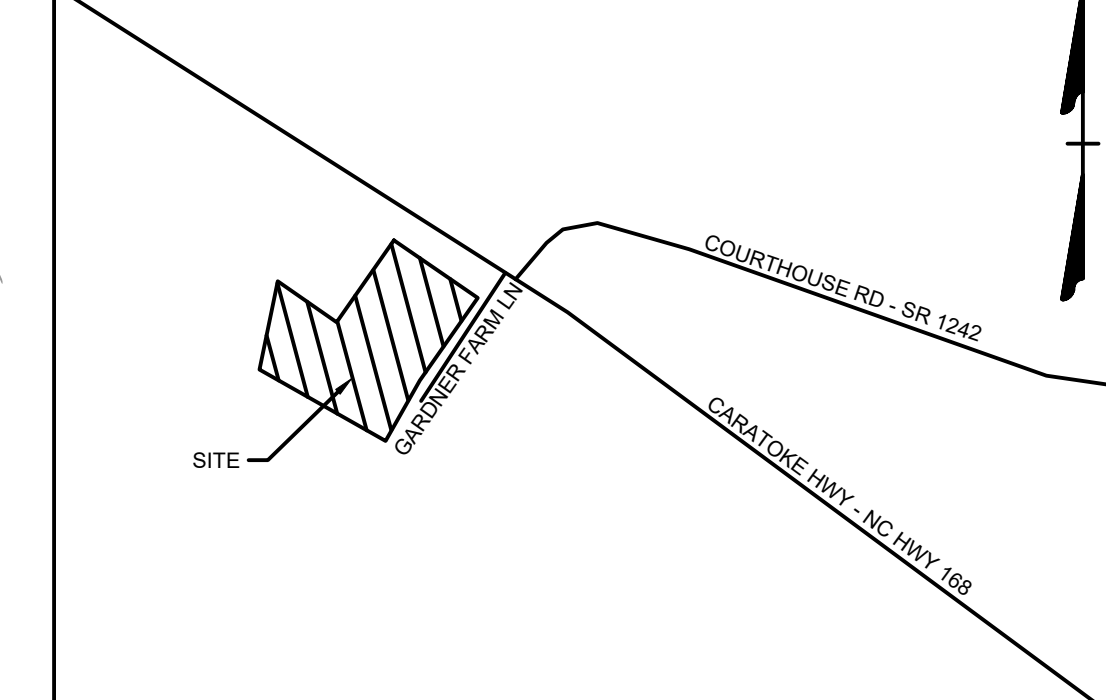
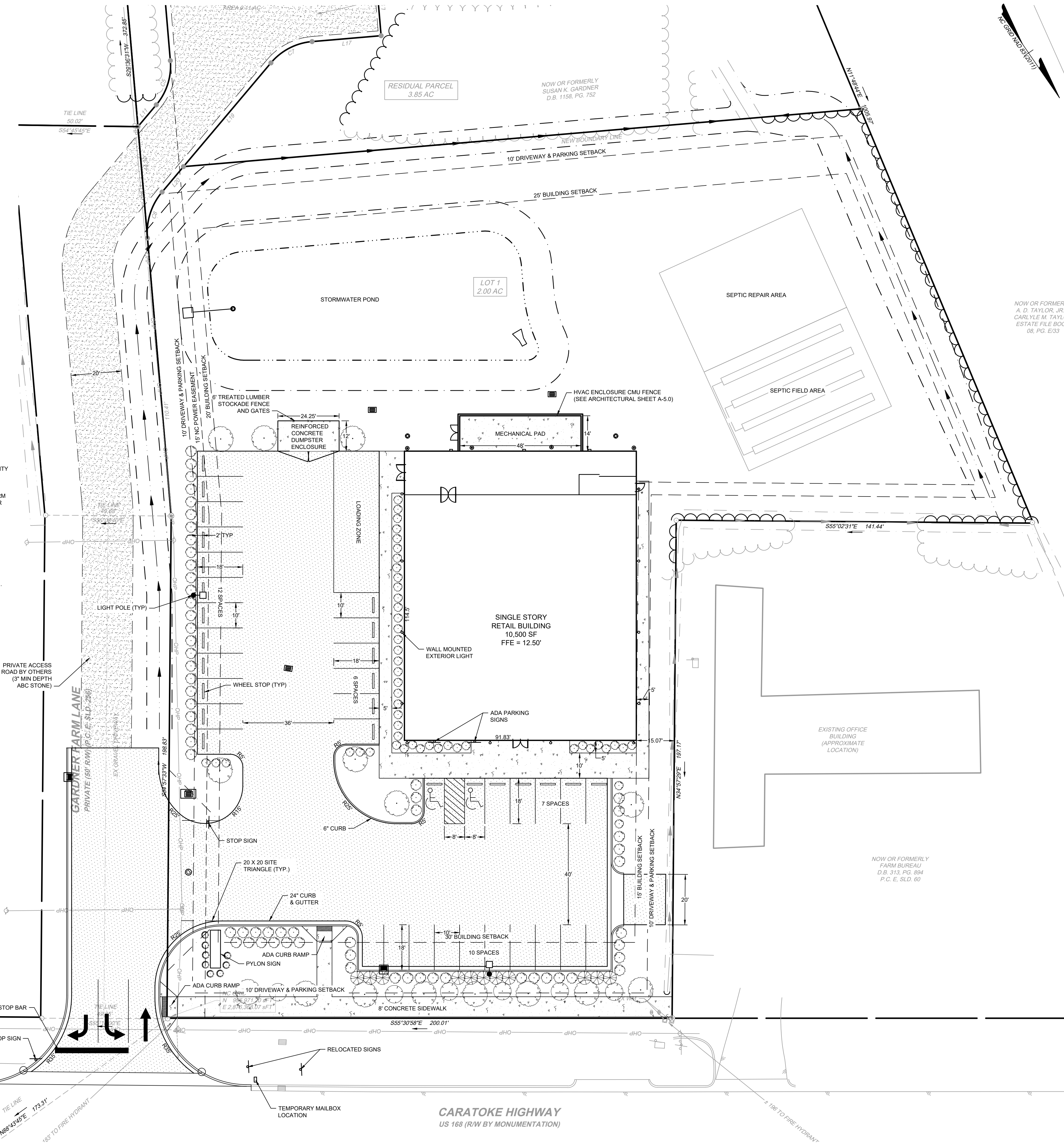
NORTH CAROLINA LICENSE NO. C-1652  
FAMILY DOLLAR CURRITUCK  
CRAWFORD TNSP - CURRITUCK COUNTY - NORTH CAROLINA  
EXISTING CONDITIONS AND DEMOLITION PLAN

JOB NO. 48267  
SHEET NO. C1.0

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.

- SITE DATA:**
- OWNER:**  
SUSAN K GARDNER  
2844 CARATOKE HWY  
CURRITUCK, NC 27929  
(252) 207-6063
  - DEVELOPER:**  
CEDAR RUN CAPITAL, LLC  
2405-F NASH ST, NW  
WILSON, NC 27896  
CHARLES THOMAS, MANAGER  
(252) 339-1964  
CTHOMAS280@YAHOO.COM
  - SITE INFORMATION:**  
PIN: 0050000620000  
GPN: 8979-65-0538  
D.B. 1158, PG. 752  
ZONING: GB (GENERAL BUSINESS)  
PARCEL AREA: 5.85 AC  
SITE AREA: 2.00 AC  
SITE ADDRESS: 100 GARDNER FARM LANE  
CURRITUCK, NC 27929
  - BUILDING SETBACKS:**  
MAJOR ARTERIAL: 30'  
SIDE: 15'  
CORNER: 20'  
PARKING/DRIVEWAY: 10'
  - PARKING REQUIREMENTS:**  
10,515 SF @ 1,000 SF = 35 SPACES  
SPACES PROVIDED = 35 (INCLUDING 2 ADA SPACES)
  - SITE COVERAGE CALCULATIONS:**  
**PROPOSED:**  
BUILDING (ROOF): 10,515 SF (12.07%)  
PARKING/DRIVEWAY: 20,647 SF (23.70%)  
SIDEWALKS (CONCRETE): 5,126 SF (5.88%)  
OPEN SPACE: 50,832 SF (58.35%)  
TOTAL: 87,120 SF (100.00%)  
**OFFSITE:** 15,060 SF
  - LANDSCAPE REQUIREMENTS:**  
**SITE LANDSCAPING:**  
2 ACI OF CANOPY TREE PER ACRE  
1 TREE WITHIN 60' OF EACH PARKING SPACE  
1 SHRUB PER 5' OF BUILDING FACADE  
PROVIDED: 7 TREES @ 2 ACI EACH = 10 ACI  
41 SHRUBS  
**PARKING PERIMETER:**  
SHRUBS AT 5' O. C. ALONG PARKING PERIMETER  
PROVIDED: 69 SHRUBS  
**STREETSCAPE:**  
8 ACI CANOPY TREES + 4.5 ACI UNDERSTORY TREES + 10 SHRUBS  
PER 100 LF OF STREET FRONTAGE  
PROVIDED: 8 CANOPY TREES @ 2 ACI EACH = 16 ACI  
8 UNDERSTORY TREES @ 1.5 ACI = 9 ACI  
20 SHRUBS

- ALL UTILITY CONNECTIONS SHALL CONFORM TO CURRITUCK COUNTY STANDARDS AND SHALL BE COORDINATED WITH THE CURRITUCK COUNTY PUBLIC WORKS DEPARTMENT.
- CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. FAILURE TO KEEP EROSION DEVICES IN GOOD WORKING ORDER MAY RESULT IN THE ISSUANCE OF STOP WORK ORDER.
- ANY FILL BROUGHT ON SITE SHALL BE FROM AN APPROVED SITE/MINE. ANY MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A SINGLE APPROVED LOCATION.
- DISTURBED AREA SHALL NOT EXCEED 2.69 ACRES.
- ALL STORAGE BINS, TRASH RECEPTACLES AND RECYCLE CONTAINERS SHALL BE SCREENED.
- TOPOGRAPHIC SURVEY PERFORMED BY TIMMONS GROUP IN JUNE 2021.

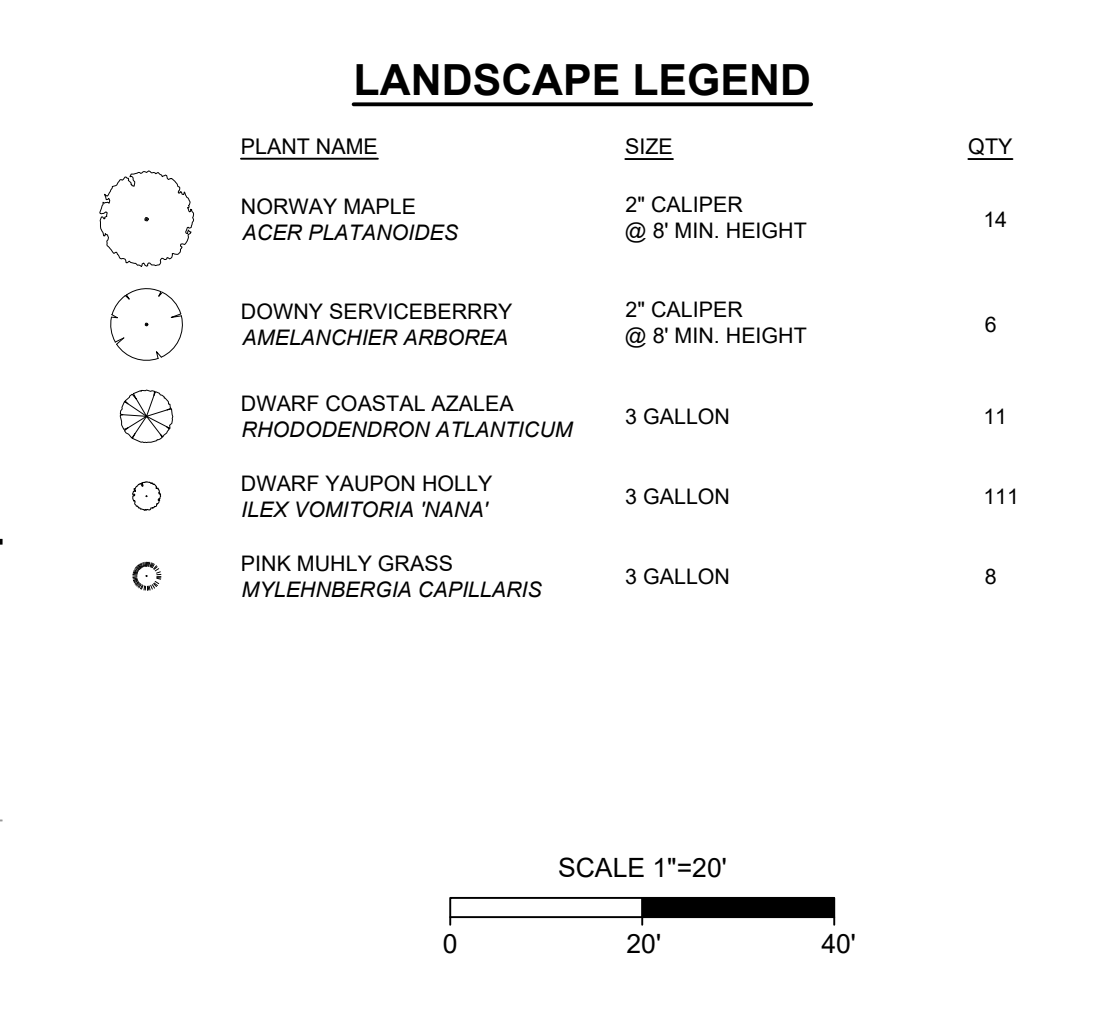


**LEGEND**

	BENCHMARK
	IRON ROD FOUND (IRF)
	CALCULATED POINT
	EX. SIGNMARKER
	EX. UTILITY POLE
	EX. GUY ANCHOR
	EX. DROP INLET
	EX. MAIL BOX
	EX. WATER METER
	PROP. WATER METER
	PROP. WATER VALVE
	PROP. SEWER TANK LID
	PROP. SEWER CLEANOUT
	PROP. CURB INLET
	PROP. DROP INLET
	PROP. WALL MOUNTED EXTERIOR LIGHT
	PROP. LIGHT POLE
	PROPERTY BOUNDARY
	RIGHT OF WAY
	ADJACENT PROPERTY BOUNDARY
	PROPERTY TIES
	BUILDING SETBACK
	POWER EASEMENT
	EX. EDGE OF PAVEMENT
	EX. EDGE OF GRAVEL
	EX. OVERHEAD POWER
	EX. CENTER OF DITCH
	EX. TOP OF BANK
	EX. TREELINE
	PROP. EDGE OF PAVEMENT
	PROP. CENTER OF DITCH
	PROP. TOP OF BANK
	PROP. TREELINE
	PROP. ASPHALT
	PROP. CONCRETE

**LANDSCAPE LEGEND**

PLANT NAME	SIZE	QTY
NORWAY MAPLE	2" CALIPER	14
ACER PLATANOIDES	@ 8' MIN. HEIGHT	
DWARF SERVICEBERRY	2" CALIPER	6
AMELANCHIER ARBOREA	@ 8' MIN. HEIGHT	
DWARF COASTAL AZALEA	3 GALLON	11
RHODODENDRON ATLANTICUM		
DWARF YALPON HOLLY	3 GALLON	111
ILEX VOMITORIA 'NANA'		
PINK MUHLY GRASS	3 GALLON	8
MYLEHNERGIA CAPILLARIS		



THIS DRAWING PREPARED AT THE  
**ELIZABETH CITY OFFICE**  
1805 West City Drive, Unit E | Elizabeth City, NC 27909  
TEL 252.621.3000 FAX 252.502.0974 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

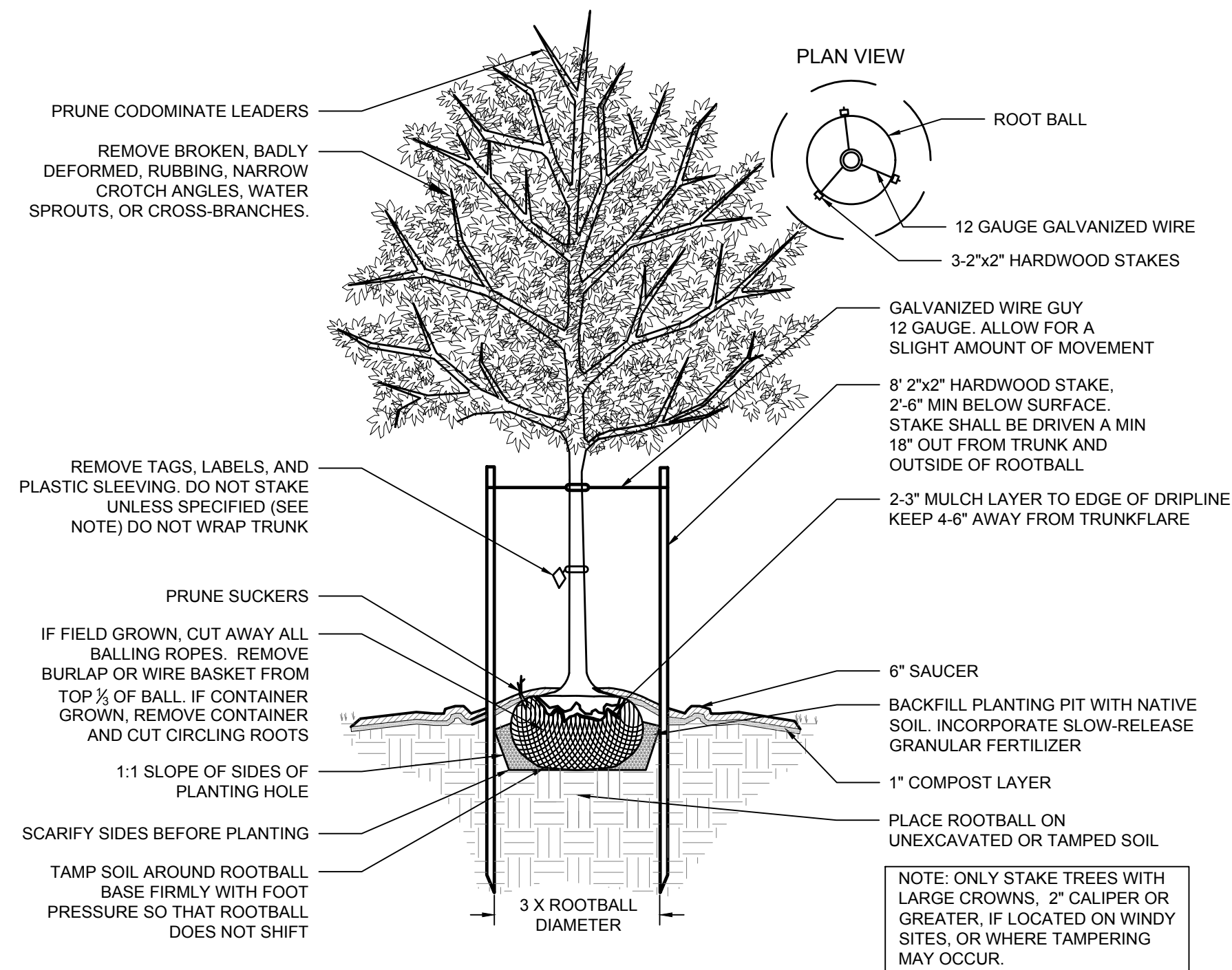
DATE	REVISION DESCRIPTION
04/04/2022	MODIFIED SUBDIVISION, REDIRECTED STORM DRAIN DISCHARGE
05/16/2022	ADJUSTED FRONT WALK, ISSUED FOR CONSTRUCTION

DATE	01/20/2022
DRAWN BY	BCD
DESIGNED BY	KDH
CHECKED BY	KDH
SCALE	1" = 20'

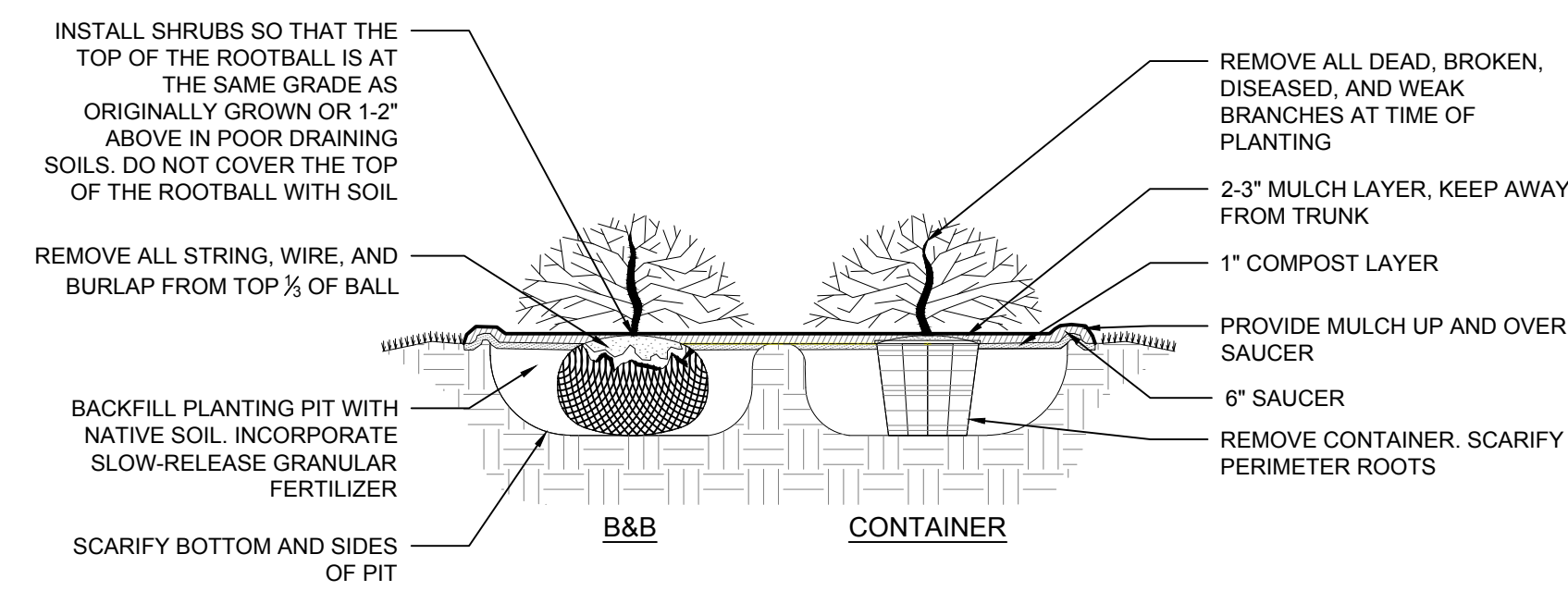
**TIMMONS GROUP**  
NORTH CAROLINA LICENSE NO. C-1652  
**FAMILY DOLLAR CURRITUCK**  
CRAWFORD TNSP - CURRITUCK COUNTY - NORTH CAROLINA  
**SITE PLAN**

JOB NO. 48267  
SHEET NO. C2.0



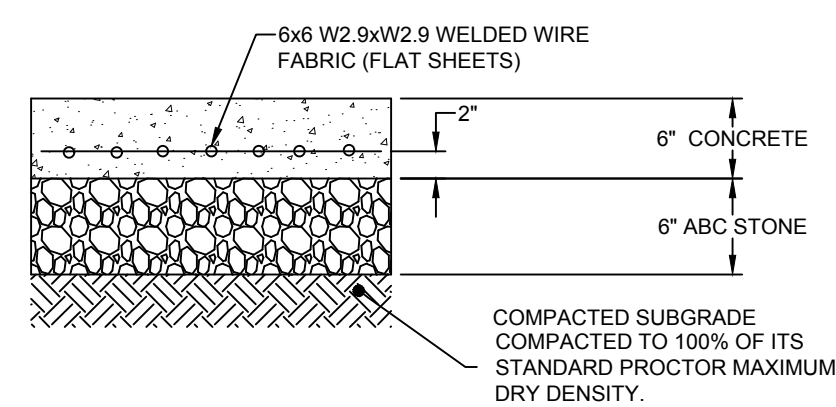


**CANOPY TREE DETAIL**  
NO SCALE



**SHRUB DETAIL**  
NO SCALE

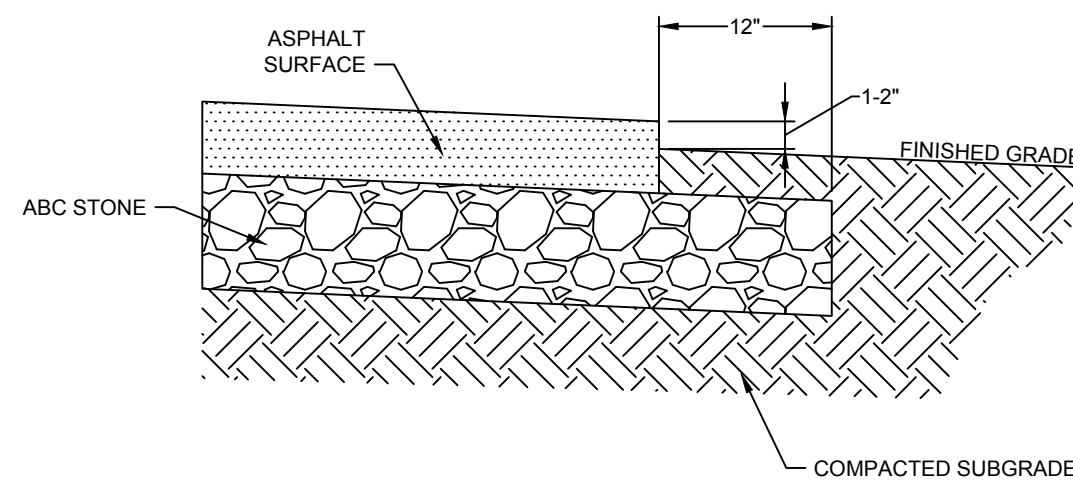
- NOTES:
1. ABC STONE BASE COURSE TO BE COMPACTED TO 100% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY.
  2. CONCRETE TO HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28-DAYS AND CONTAIN 4% - 6% ENTRAINED AIR.



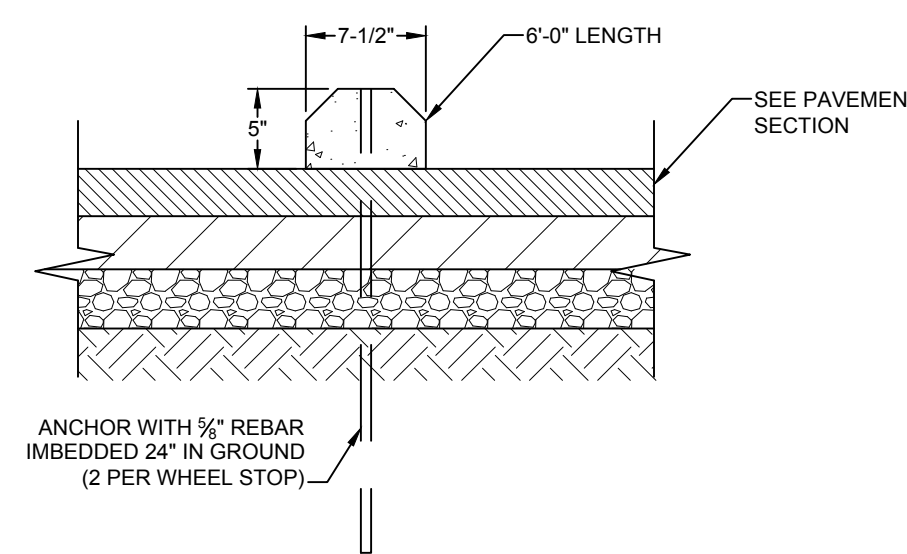
**REINFORCED CONCRETE PAVEMENT**  
NO SCALE



DENOTES REINFORCED CONCRETE PAVEMENT ON PLANS

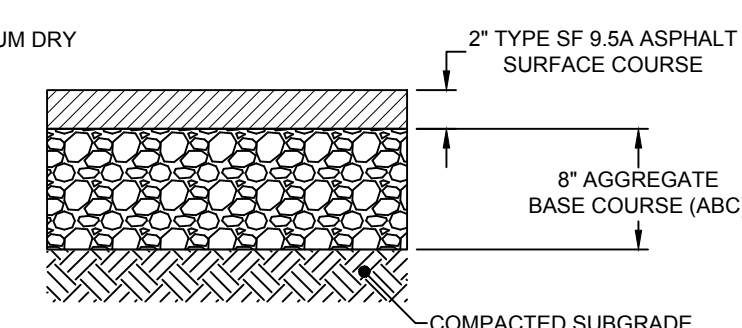


**EDGE OF PAVEMENT**  
NO SCALE



**PRECAST BUMPER BLOCK (WHEEL STOP)**  
NO SCALE

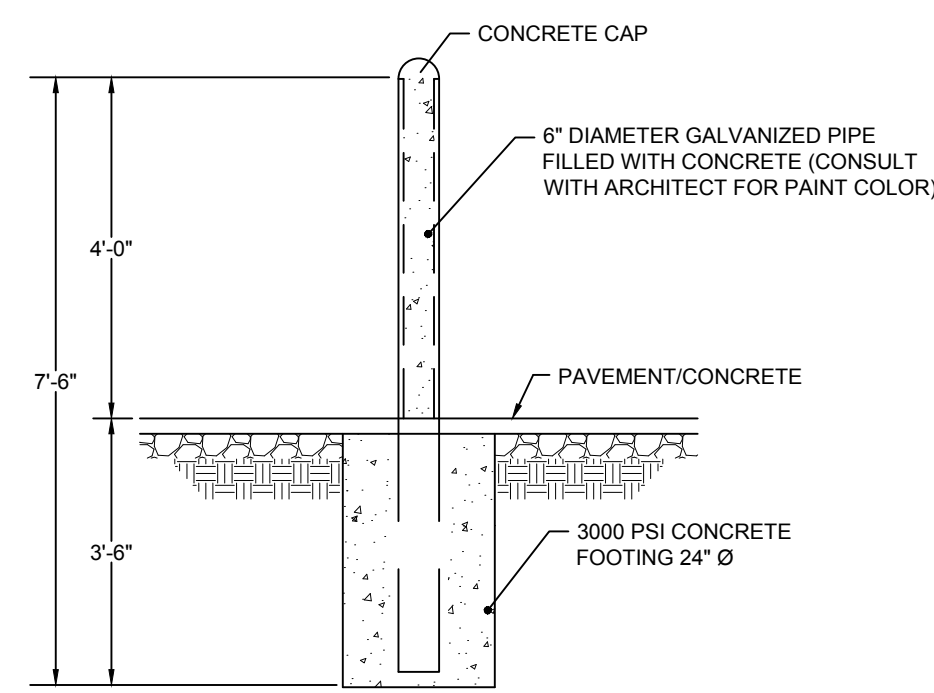
- NOTE:
1. ABC STONE BASE COURSE TO BE COMPACTED TO 100% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY.



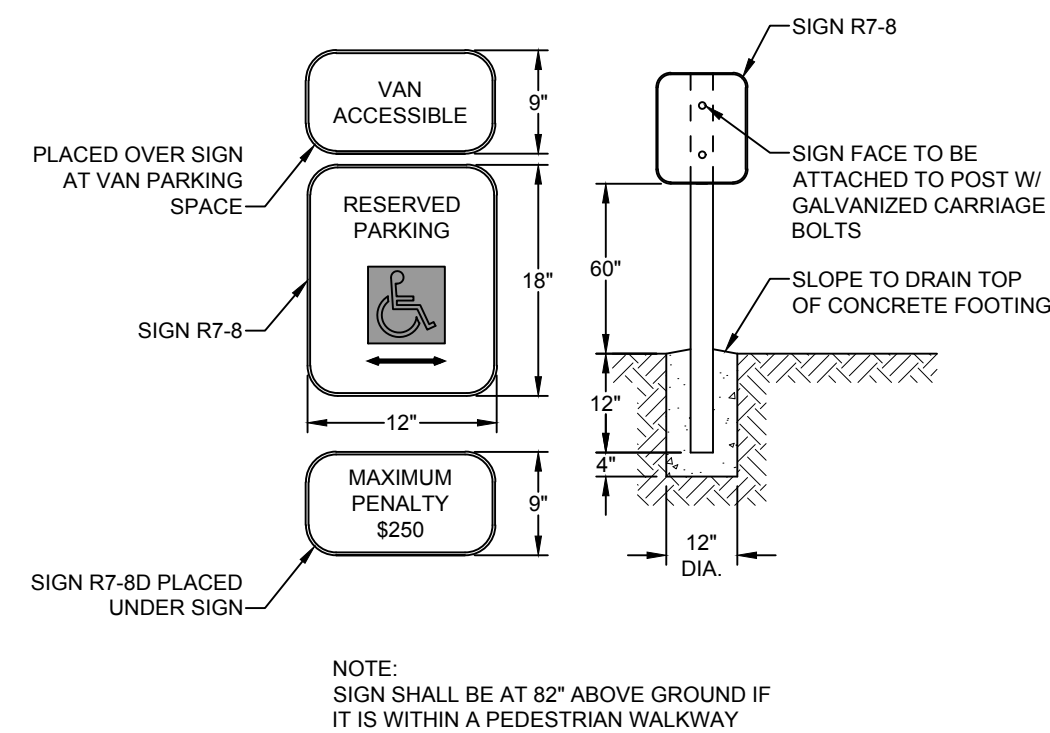
**LIGHT DUTY PAVEMENT**  
NO SCALE



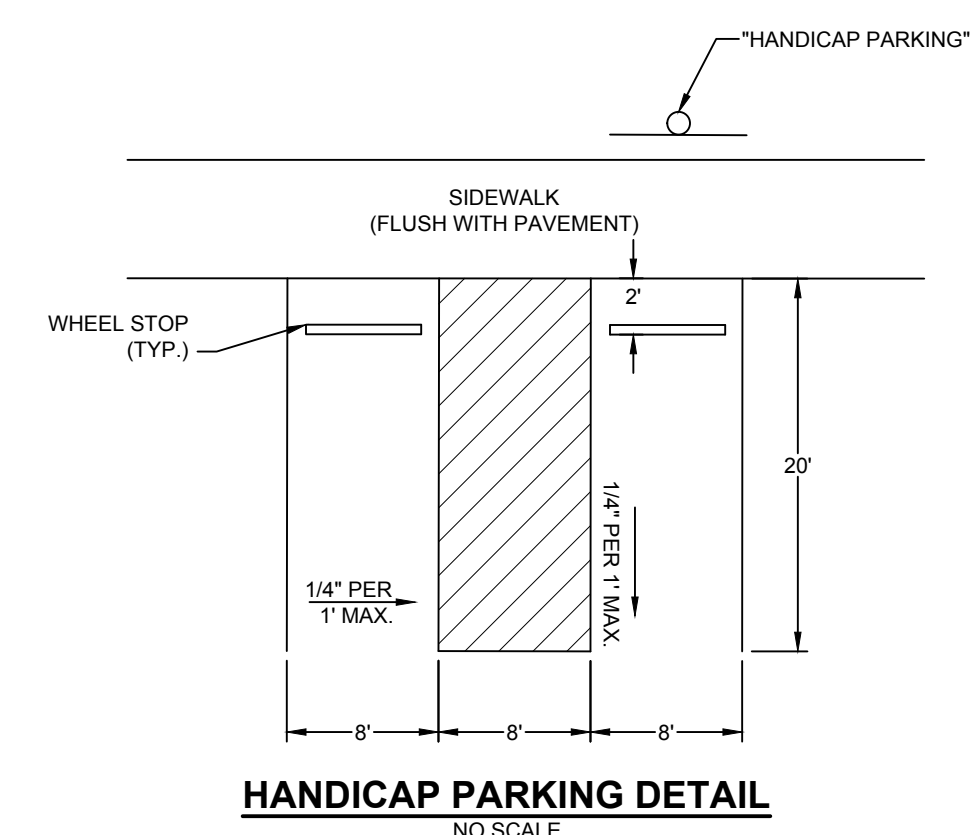
DENOTES LIGHT DUTY ASPHALT PAVEMENT ON PLANS



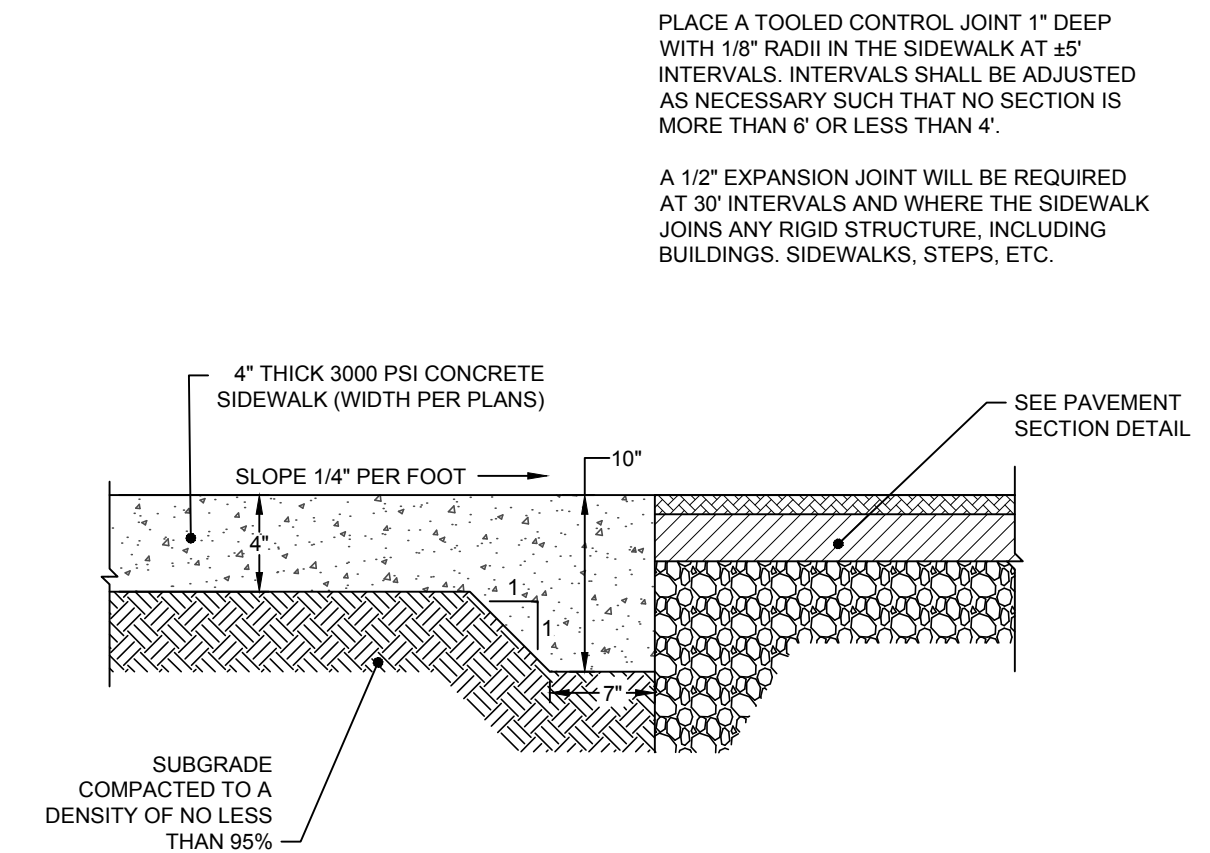
**BOLLARD**  
NO SCALE



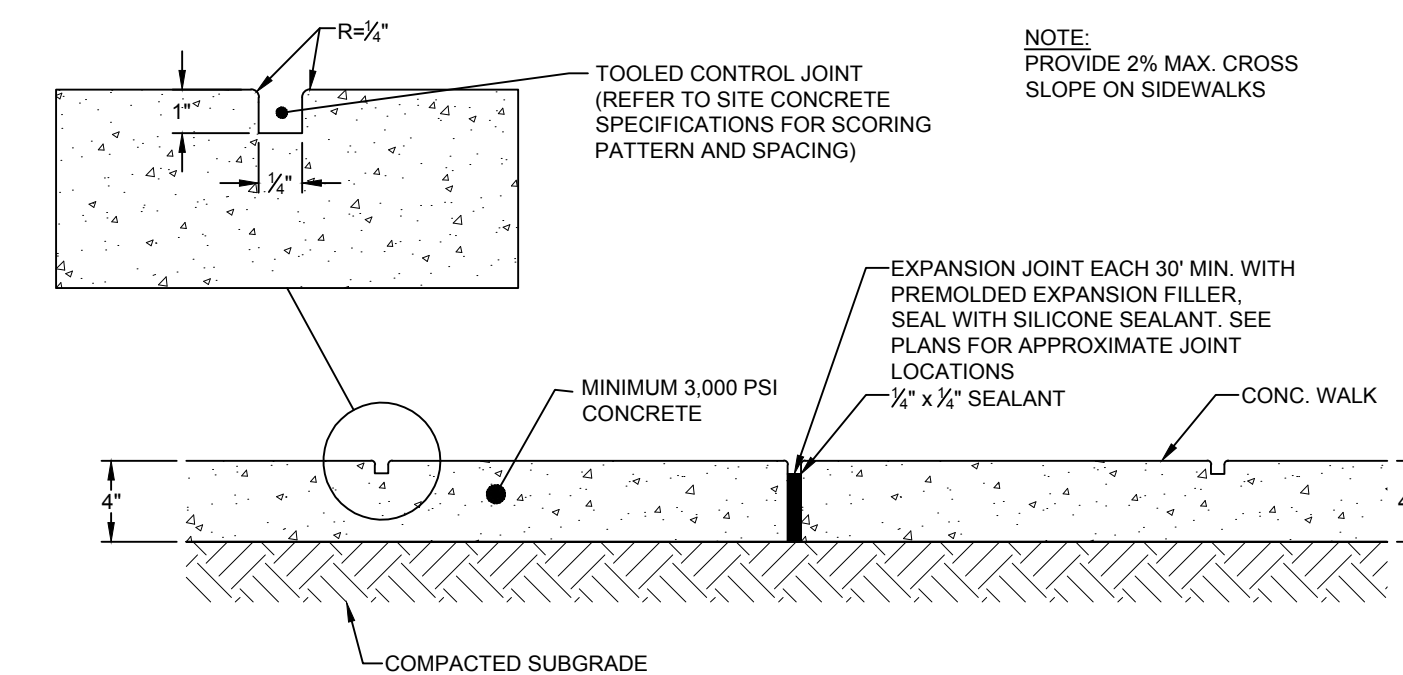
**HANDICAP PARKING SIGN**  
NO SCALE



**HANDICAP PARKING DETAIL**  
NO SCALE



**FLUSH SIDEWALK**  
NO SCALE



**CONCRETE SIDEWALKS**  
NO SCALE



DENOTES CONCRETE SIDEWALK ON PLANS



THIS DRAWING PREPARED AT THE  
**ELIZABETH CITY OFFICE**  
1805 West City Drive, Unit E | Elizabeth City, NC 27909  
TEL 252.621.3030 FAX 252.362.6974 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
04/04/2022	MODIFIED SUBDIVISION, REDIRECTED STORM DRAIN DISCHARGE
05/16/2022	ISSUED FOR CONSTRUCTION
DATE	
01/20/2022	
DRAWN BY	BCD
DESIGNED BY	KDH
CHECKED BY	KDH
SCALE	NO SCALE

**TIMMONS GROUP**  
NORTH CAROLINA LICENSE NO. C-1652  
**FAMILY DOLLAR CURRITUCK**  
CRAWFORD TNSP - CURRITUCK COUNTY - NORTH CAROLINA  
**SITE DETAILS**

JOB NO.	48267
SHEET NO.	C2.1

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.





THIS DRAWING PREPARED AT THE  
**ELIZABETH CITY OFFICE**  
 1805 West City Drive, Unit E | Elizabeth City, NC 27909  
 TEL 252.621.3030 FAX 252.662.6974 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE: 04/04/2022  
 DATE: 05/16/2022  
 01/20/2022

DESIGNED BY: BCD  
 CHECKED BY: KDH  
 SCALE: NO SCALE

# TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

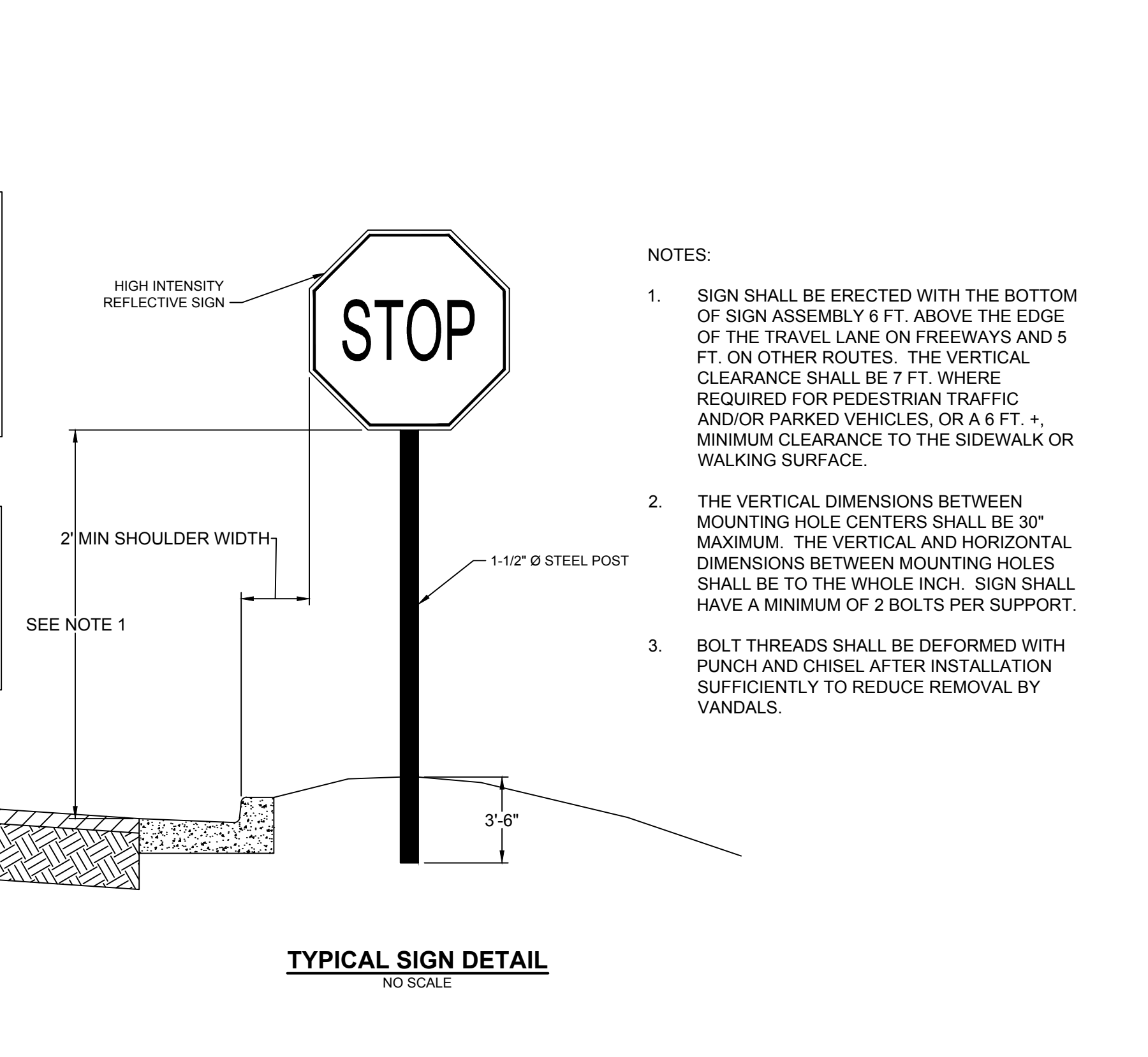
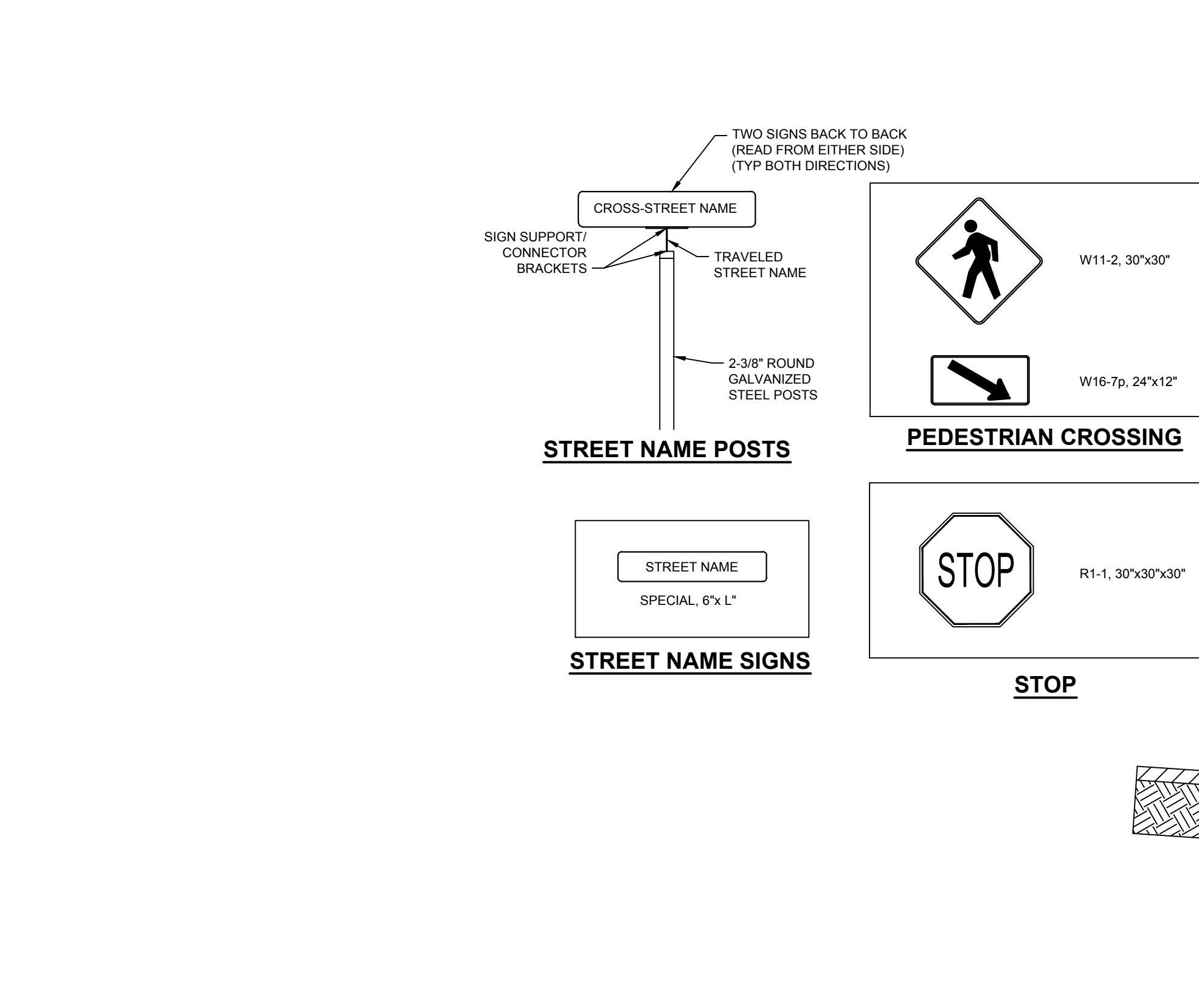
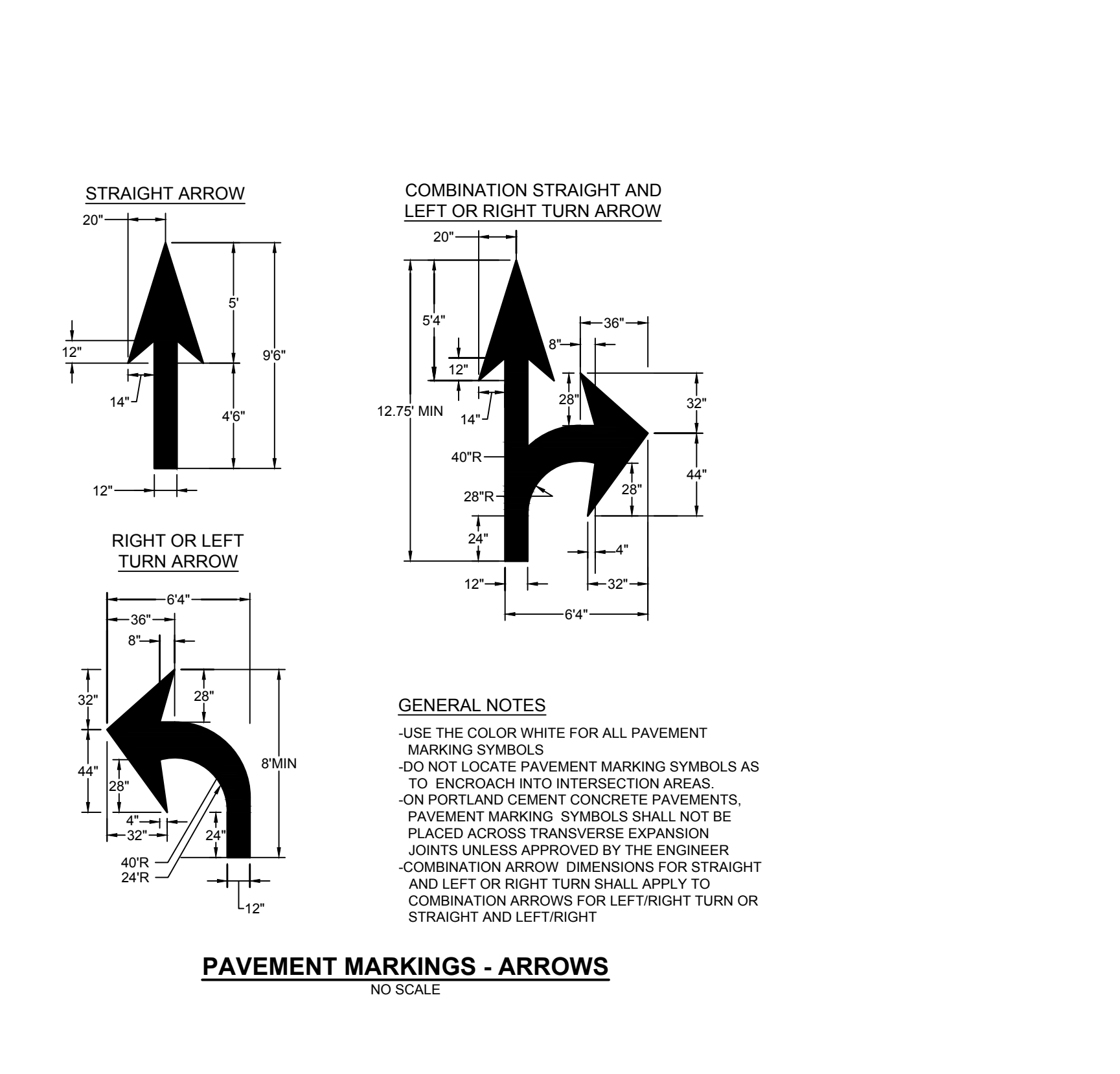
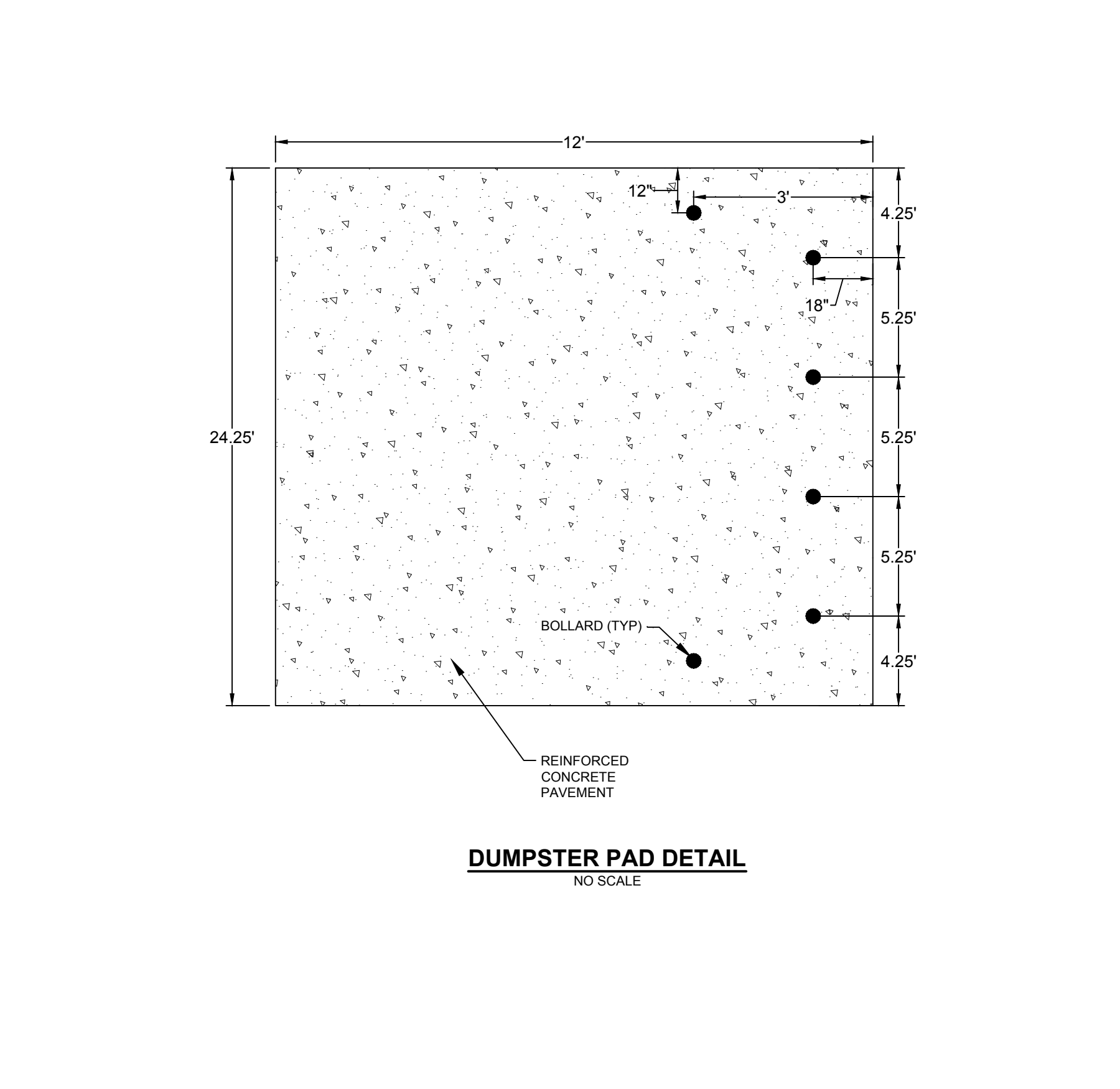
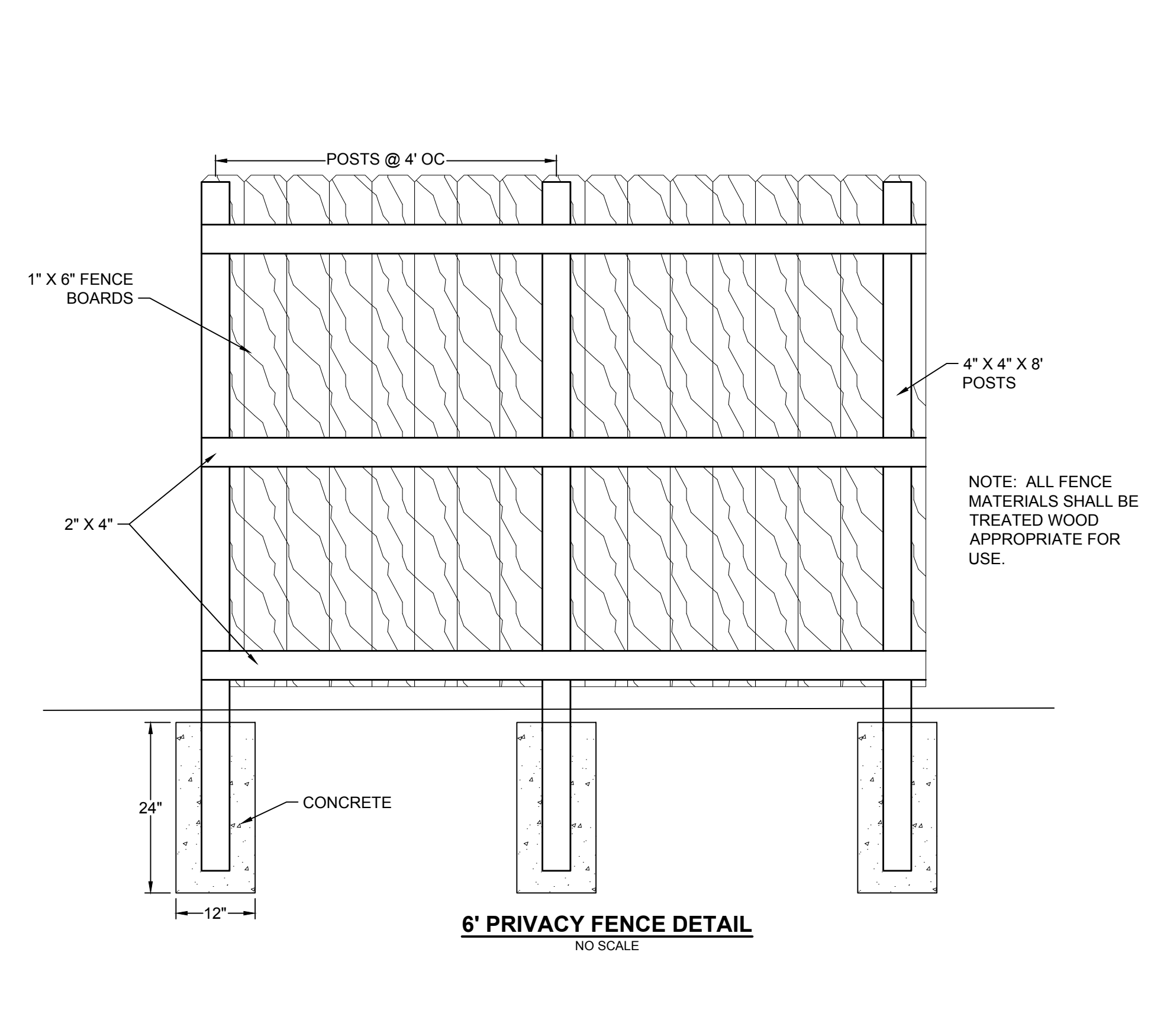
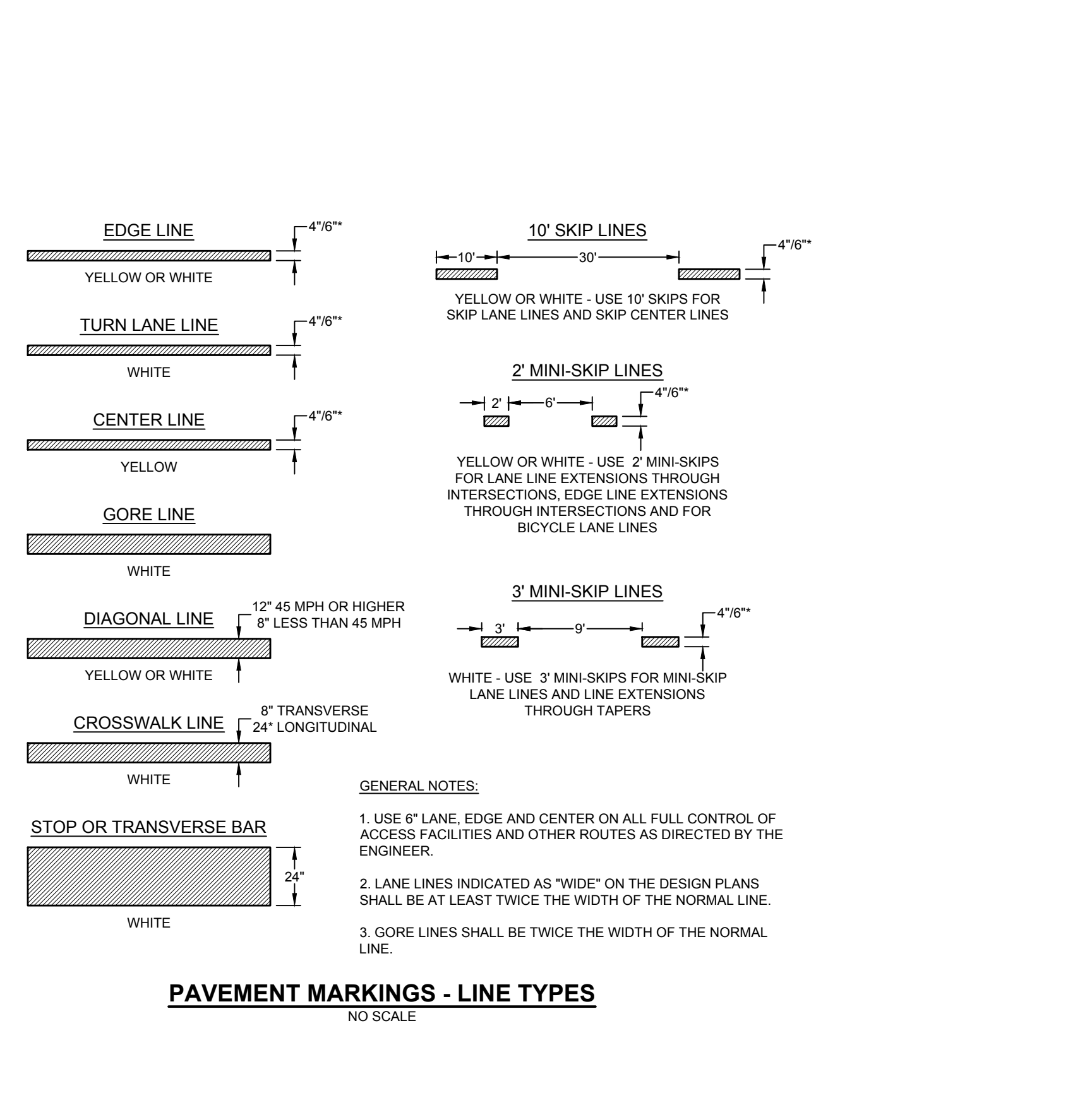
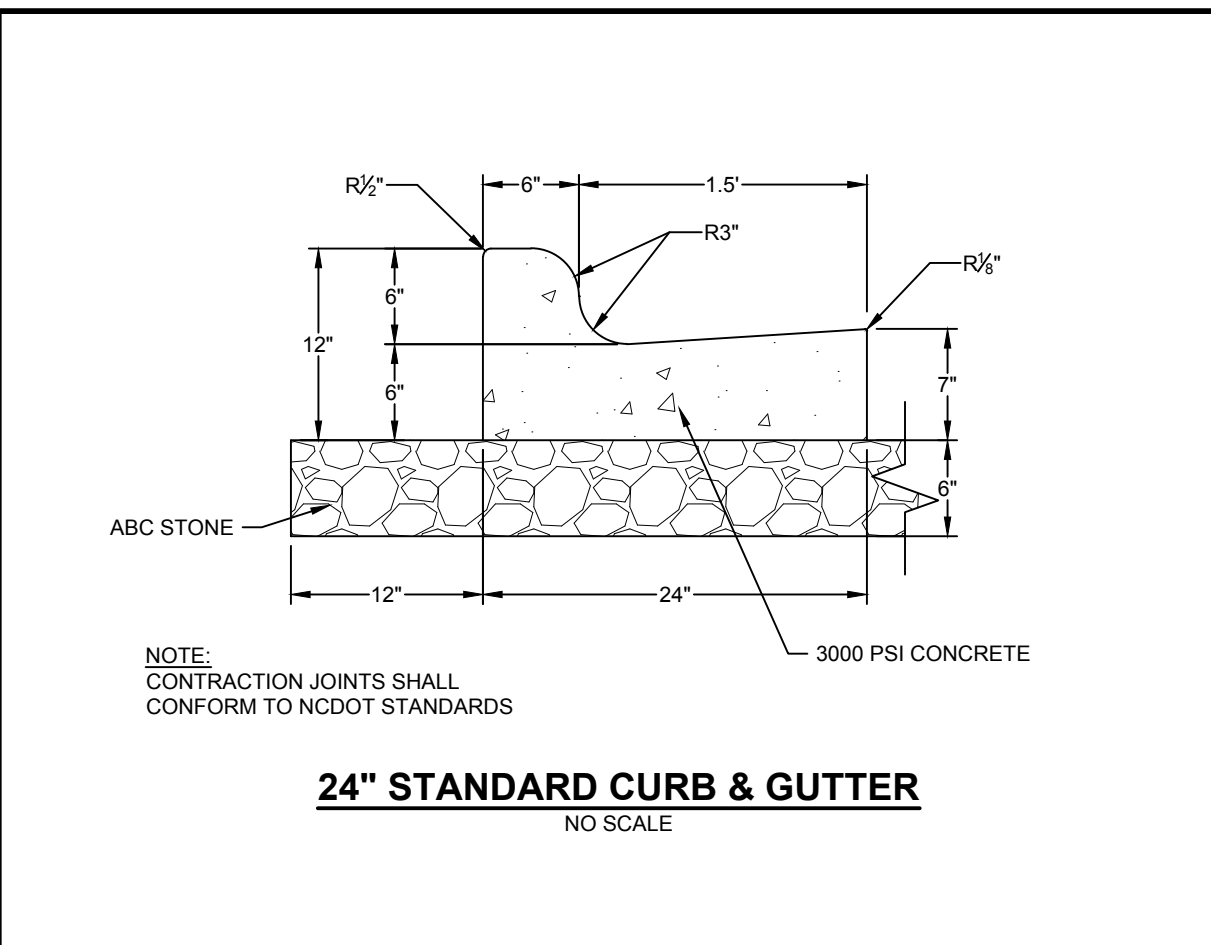
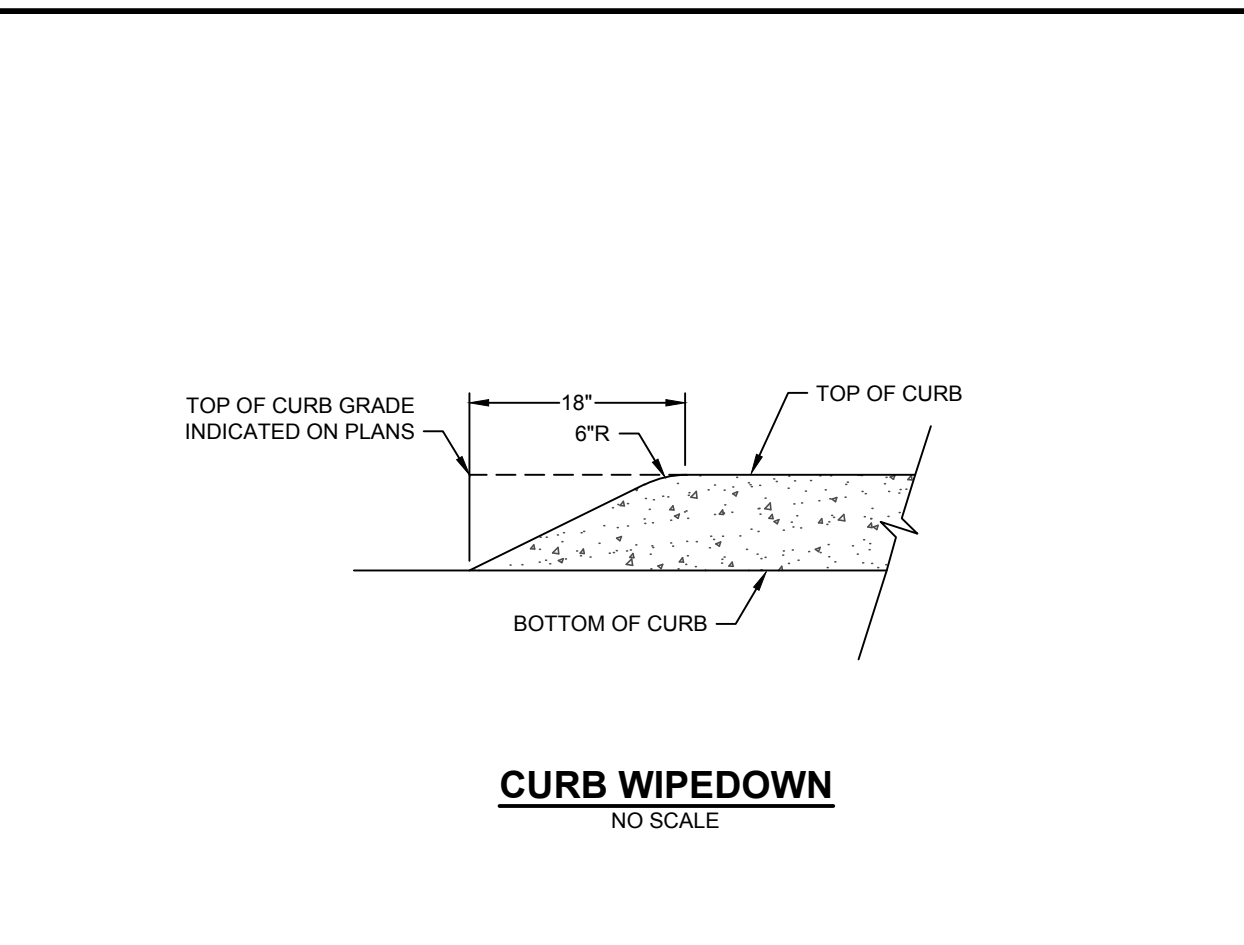
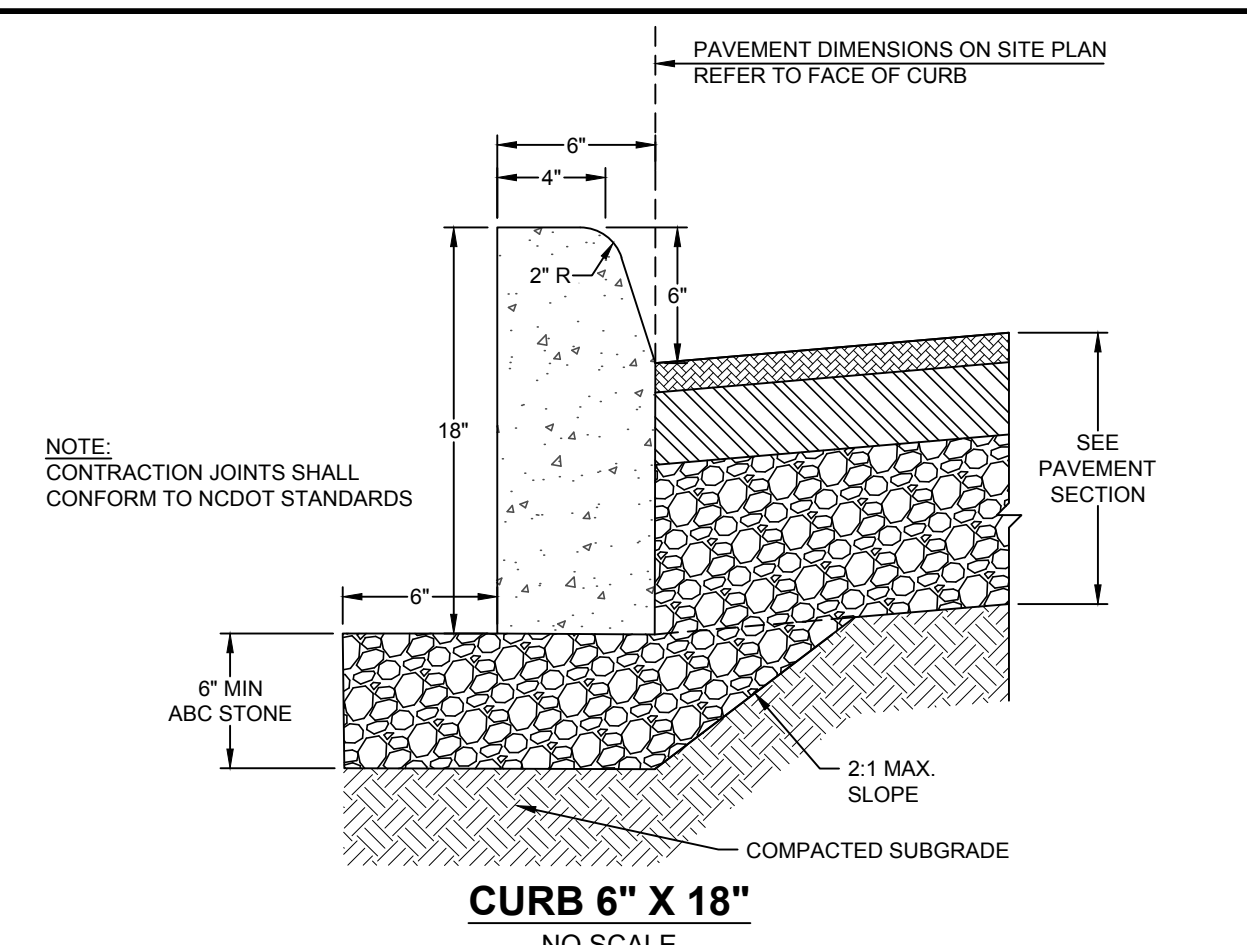
## FAMILY DOLLAR CURRITUCK

CRAWFORD TNSP - CURRITUCK COUNTY - NORTH CAROLINA

### SITE DETAILS

JOB NO. 48267  
 SHEET NO. C2.2

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.



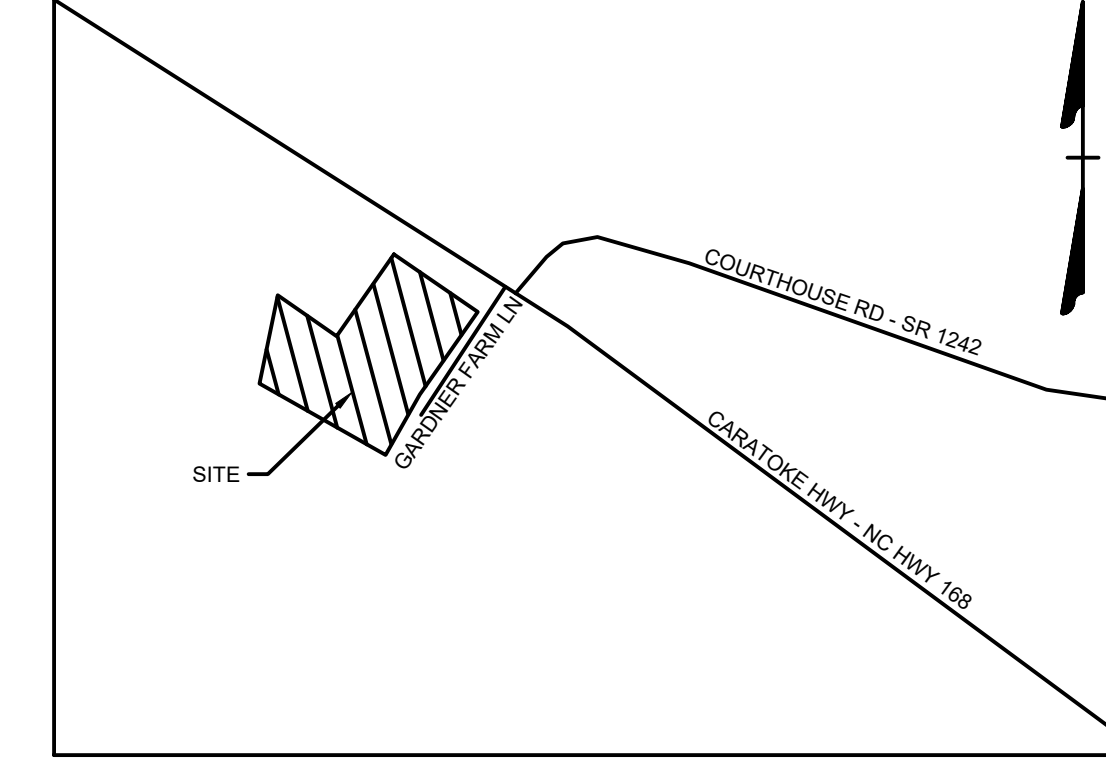
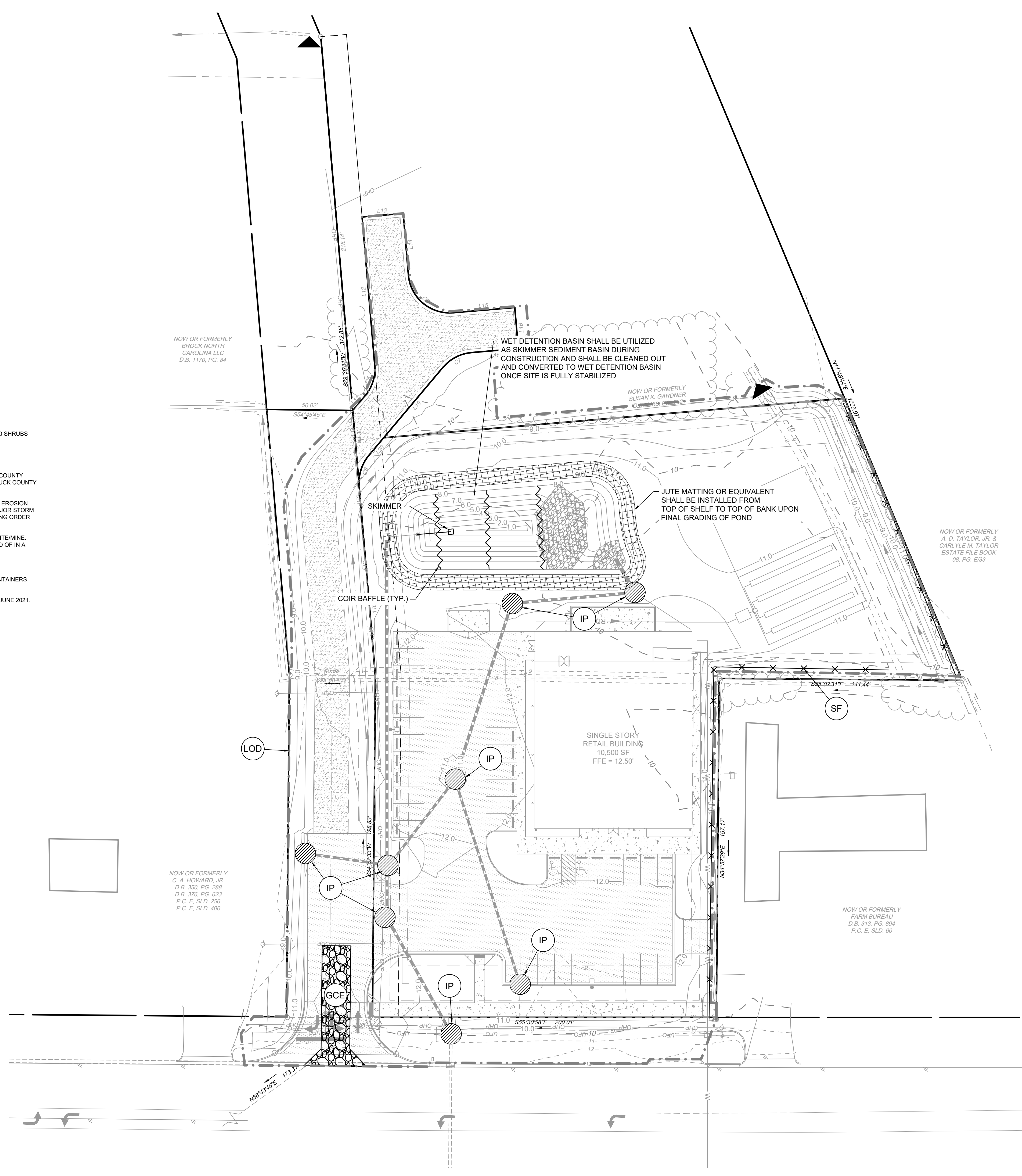
S:\10948887 - Family Dollar Currituck - Currituck, NCDWG\Sheet\CD48267C2-1-DT\SITE.dwg | Plotted on 5/16/2022 12:10 PM | by Kim Hamby

- SITE DATA:
- OWNER:  
SUSAN K GARDNER  
2844 CARATOKE HWY  
CURRITUCK, NC 27929  
(252) 207-6063
  - DEVELOPER:  
CEDAR RUN CAPITAL, LLC  
2405-F NASH ST, NW  
WILSON, NC 27896  
CHARLES THOMAS, MANAGER  
(252) 339-1964  
CTHOMAS7280@YAHOO.COM
  - SITE INFORMATION:  
PIN: 0050000620000  
GPIN: 8979-65-0538  
D.B. 1158, PG. 752  
ZONING: GB (GENERAL BUSINESS)  
PARCEL AREA: 5.85 AC  
SITE AREA: 2.00 AC  
SITE ADDRESS: 100 GARDNER FARM LANE  
CURRITUCK, NC 27929
  - BUILDING SETBACKS:  
MAJOR ARTERIAL: 30'  
SIDE: 15'  
CORNER: 20'  
PARKING/DRIVEWAY: 10'
  - PARKING REQUIREMENTS:  
10,515 SF @ 1300 SF = 35 SPACES  
SPACES PROVIDED = 35 (INCLUDING 2 ADA SPACES)
  - SITE COVERAGE CALCULATIONS:  
PROPOSED:  
BUILDING (ROOF): 10,515 SF (12.07%)  
PARKING/DRIVE: 20,647 SF (23.78%)  
SIDEWALKS (CONCRETE): 5,126 SF (5.88%)  
OPEN SPACE: 50,832 SF (58.35%)  
TOTAL: 87,120 SF (100.00%)  
OFFSITE: 15,060 SF
  - LANDSCAPE REQUIREMENTS:  
SITE LANDSCAPING:  
2 ACI OF CANOPY TREE PER ACRE  
1 TREE WITHIN 60' OF EACH PARKING SPACE  
1 SHRUB PER 5' OF BUILDING FACADE  
PROVIDED: 7 TREES @ 2 ACI EACH = 10 ACI  
41 SHRUBS  
PARKING PERIMETER:  
SHRUBS AT 5' O. C. ALONG PARKING PERIMETER  
PROVIDED: 69 SHRUBS  
STREETSCAPE:  
8 ACI CANOPY TREES + 4.5 ACI UNDERSTORY TREES + 10 SHRUBS  
PER 100 LF OF STREET FRONTAGE  
PROVIDED: 8 CANOPY TREES @ 2 ACI EACH = 16 ACI  
6 UNDERSTORY TREES @ 1.5 ACI = 9 ACI  
20 SHRUBS

- ALL UTILITY CONNECTIONS SHALL CONFORM TO CURRITUCK COUNTY STANDARDS AND SHALL BE COORDINATED WITH THE CURRITUCK COUNTY PUBLIC WORKS DEPARTMENT.
- CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. FAILURE TO KEEP EROSION DEVICES IN GOOD WORKING ORDER MAY RESULT IN THE ISSUANCE OF STOP WORK ORDER.
- ANY FILL BROUGHT ON SITE SHALL BE FROM AN APPROVED SITE/MINE. ANY MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A SINGLE APPROVED LOCATION.
- DISTURBED AREA SHALL NOT EXCEED 2.69 ACRES.
- ALL STORAGE BINS, TRASH RECEPTACLES AND RECYCLE CONTAINERS SHALL BE SCREENED.
- TOPOGRAPHIC SURVEY PERFORMED BY TIMMONS GROUP IN JUNE 2021.

NOW OR FORMERLY  
BROCK NORTH  
CAROLINA LLC  
D.B. 1170, PG. 84

NOW OR FORMERLY  
C. A. HOWARD, JR.  
D.B. 353, PG. 288  
D.B. 376, PG. 623  
P.C. E. SLD. 256  
P.C. E. SLD. 400



THIS DRAWING PREPARED AT THE  
**ELIZABETH CITY OFFICE**  
1805 West City Drive, Unit E | Elizabeth City, NC 27909  
TEL 252.621.3000 FAX 252.592.0974 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
04/04/2022	MODIFIED SUBDIVISION, REDIRECTED STORM DRAIN DISCHARGE
05/16/2022	ISSUED FOR CONSTRUCTION

DATE	01/20/2022
DRAWN BY	BCD
DESIGNED BY	KDH
CHECKED BY	KDH
SCALE	1" = 30'

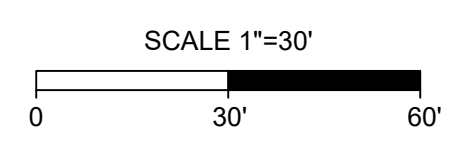
**TIMMONS GROUP**  
NORTH CAROLINA LICENSE NO. C-1652

**FAMILY DOLLAR CURRITUCK**  
CRAWFORD TNSP - CURRITUCK COUNTY - NORTH CAROLINA  
EROSION CONTROL PLAN

JOB NO. 48267  
SHEET NO. C3.0

LEGEND

(LOD)	--- · · · · ·	LIMIT OF DISTURBANCE
(GCE)	[Pattern]	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
(SF)	× × × × ×	SILT FENCE
(CB)	~ ~ ~ ~ ~	COIR BAFFLES
(IP)	[Circle with dot]	INLET PROTECTION
(CIP)	[Circle with diagonal lines]	CULVERT INLET PROTECTION
	[Triangle]	CHECK DAM
	[Cross-hatch]	JUTE MAT



These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.



THIS DRAWING PREPARED AT THE  
**ELIZABETH CITY OFFICE**  
 1805 West City Drive, Unit E | Elizabeth City, NC 27909  
 TEL 252.621.3030 FAX 252.362.6974 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

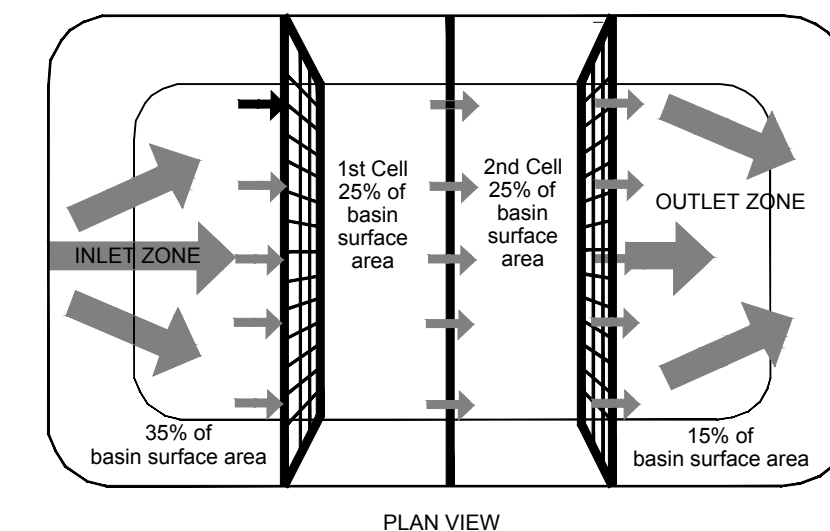
DATE: 04/04/2022  
 05/16/2022  
 01/20/2022

DESIGNED BY: BCD  
 CHECKED BY: KDH  
 SCALE: NO SCALE

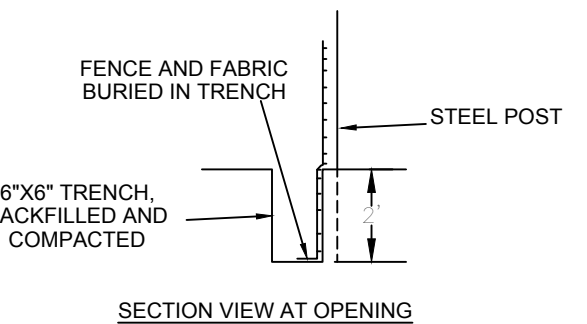
**TIMMONS GROUP**  
 NORTH CAROLINA LICENSE NO. C-1652  
 FAMILY DOLLAR CURRITUCK  
 CRAWFORD TNSP - CURRITUCK COUNTY - NORTH CAROLINA  
 EROSION CONTROL DETAILS

JOB NO. 48267  
 SHEET NO. C3.1

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.

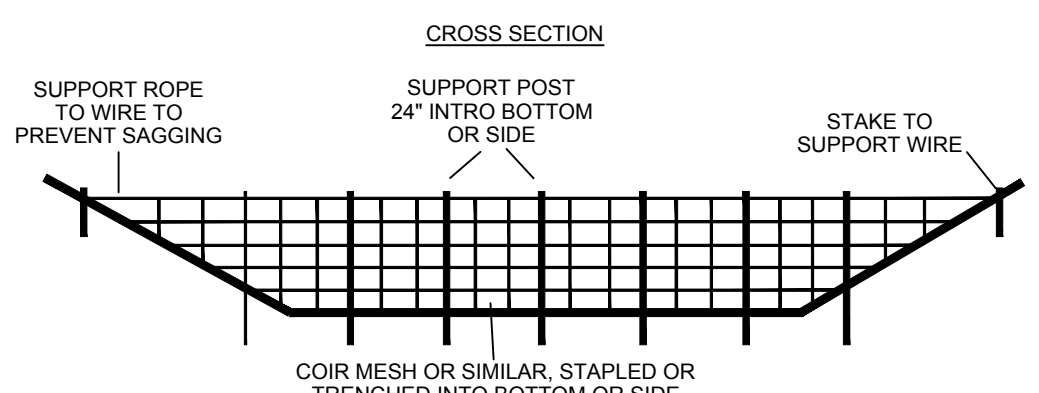


PLAN VIEW



SECTION VIEW AT OPENING

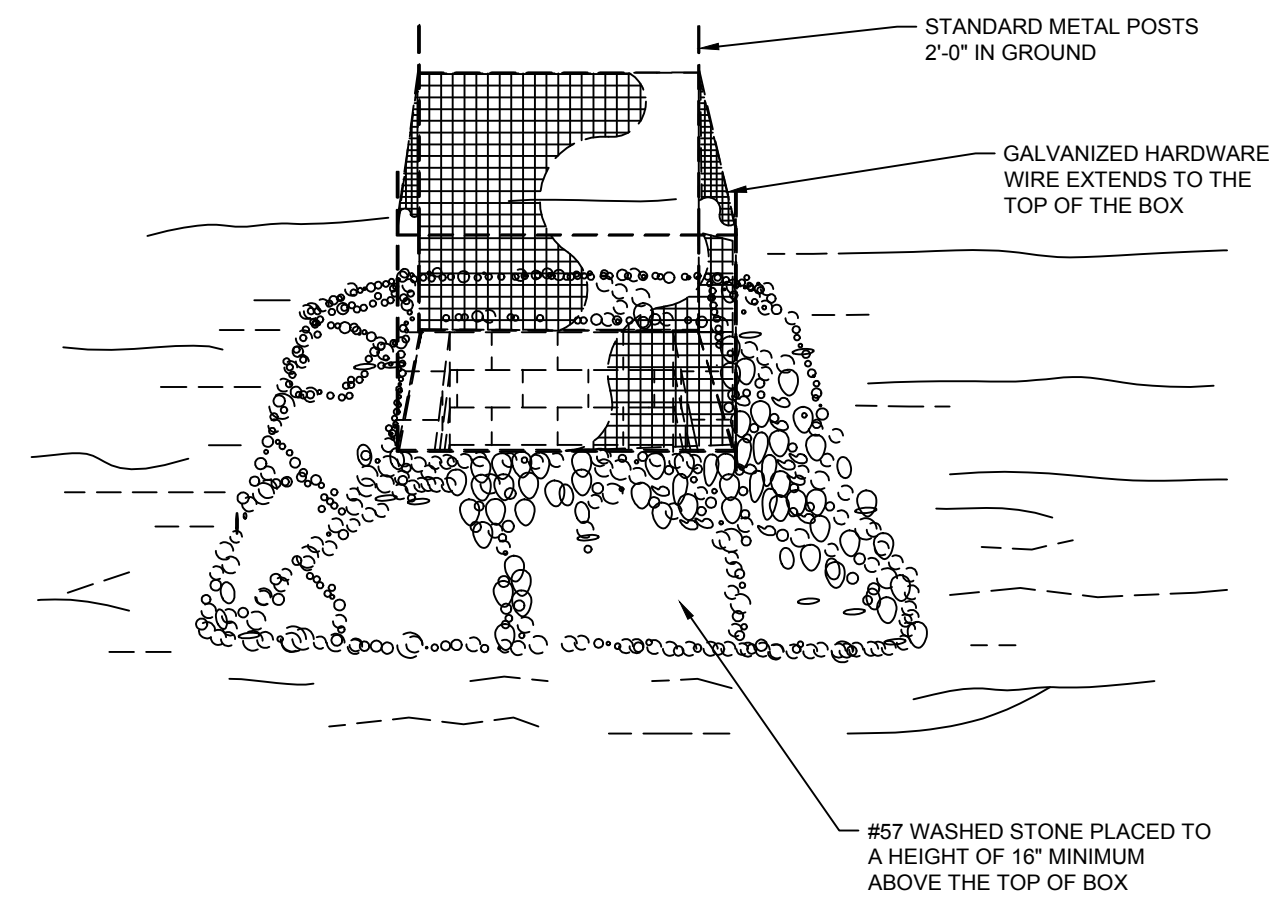
- NOTES:
1. BAFFLE MATERIAL SHOULD BE SECURED AT THE BOTTOM AND SIDES USING STAPLES OR BY TRENCHING AS FOR SILT FENCE.
  2. MOST OF THE SEDIMENT WILL ACCUMULATE IN THE 1ST BAY, WHICH SHOULD BE READILY ACCESSIBLE FOR MAINTENANCE.
  3. PROVIDE 3 BAFFLES (USE TWO IF LESS THAN 20 FEET IN LENGTH), PROVIDE 5 BAFFLES FOR DRAINAGE AREAS GREATER THAN 10 ACRES.
  4. BAFFLE SHALL BE 700 G/M2 COIR EROSION BLANKET.
  5. TOPS OF BAFFLES SHOULD BE 2 INCHES LOWER THAN THE TOP OF THE BERMS.
  6. INSPECT BAFFLES FOR REPAIR ONCE A WEEK AND AFTER EACH RAINFALL.



CROSS SECTION

**MAINTENANCE**  
 INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.  
 BE SURE TO MAINTAIN ACCESS TO THE BAFFLES. SHOULD THE FABRIC OF A BAFFLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.  
 REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE BAFFLES. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. SEDIMENT DEPTH SHOULD NEVER EXCEED HALF THE DESIGNED STORAGE DEPTH.  
 REMOVE ALL BAFFLE MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

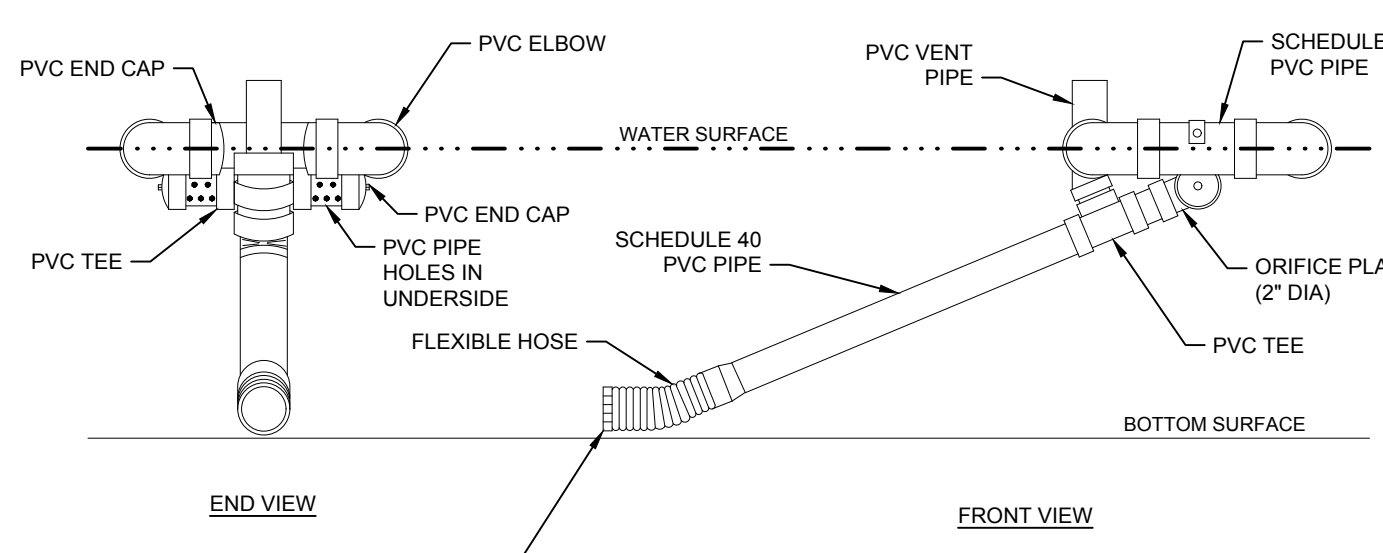
**COIR BAFFLES**  
 NO SCALE



MAINTENANCE

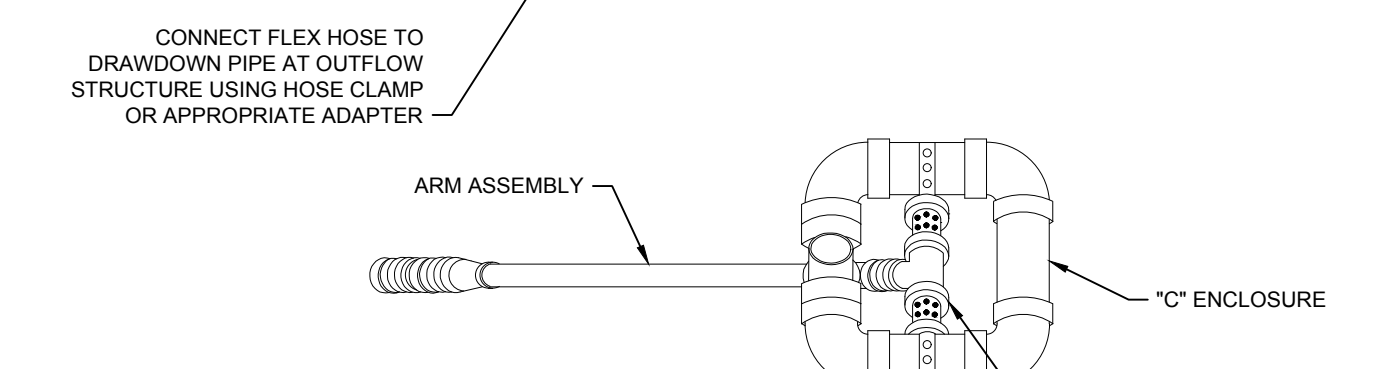
INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

**INLET PROTECTION**  
 NO SCALE



END VIEW

FRONT VIEW



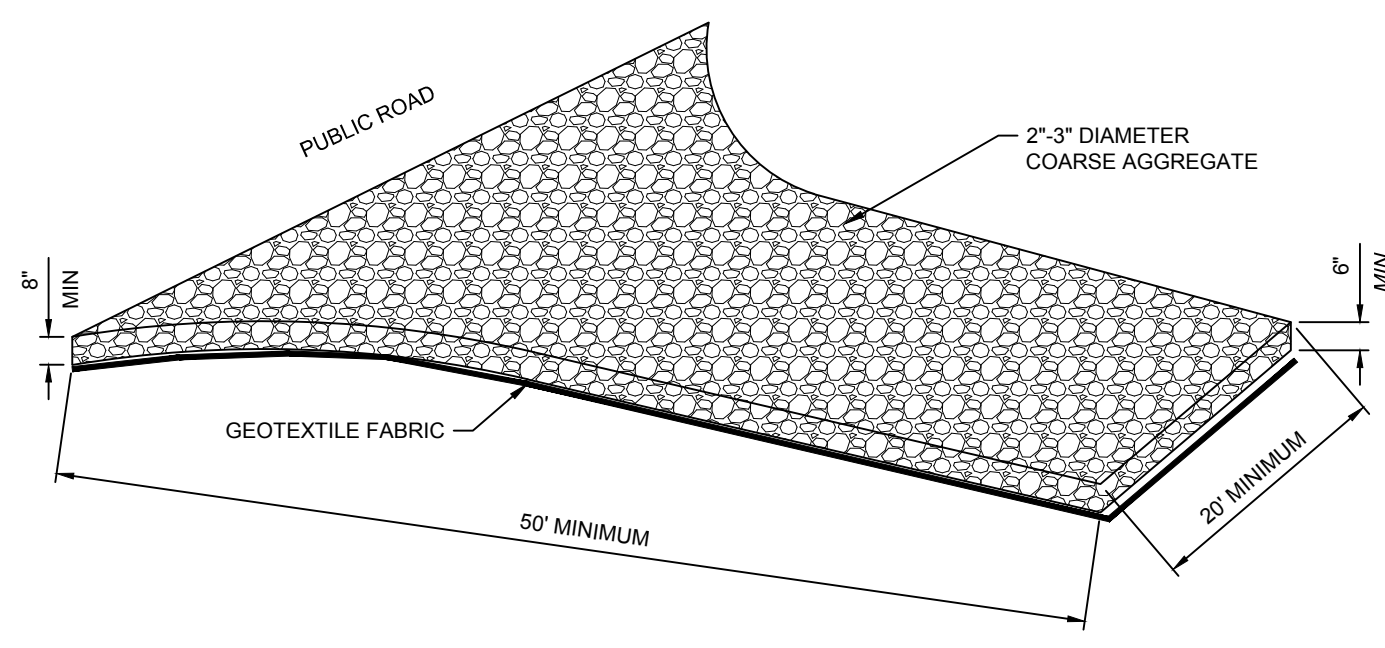
PERSPECTIVE VIEW

NOTES:  
 PROVIDE A SMALL PILE OF RIP RAP OR CONCRETE MASONRY BLOCK DIRECTLY BELOW SKIMMER TO PREVENT SKIMMER FROM RESTING ON SOIL.  
 ALL SCHEDULE 40 PVC PIPE & FITTINGS SHALL BE 3" MIN. DIA.  
 SKIMMER TO BE TETHERED

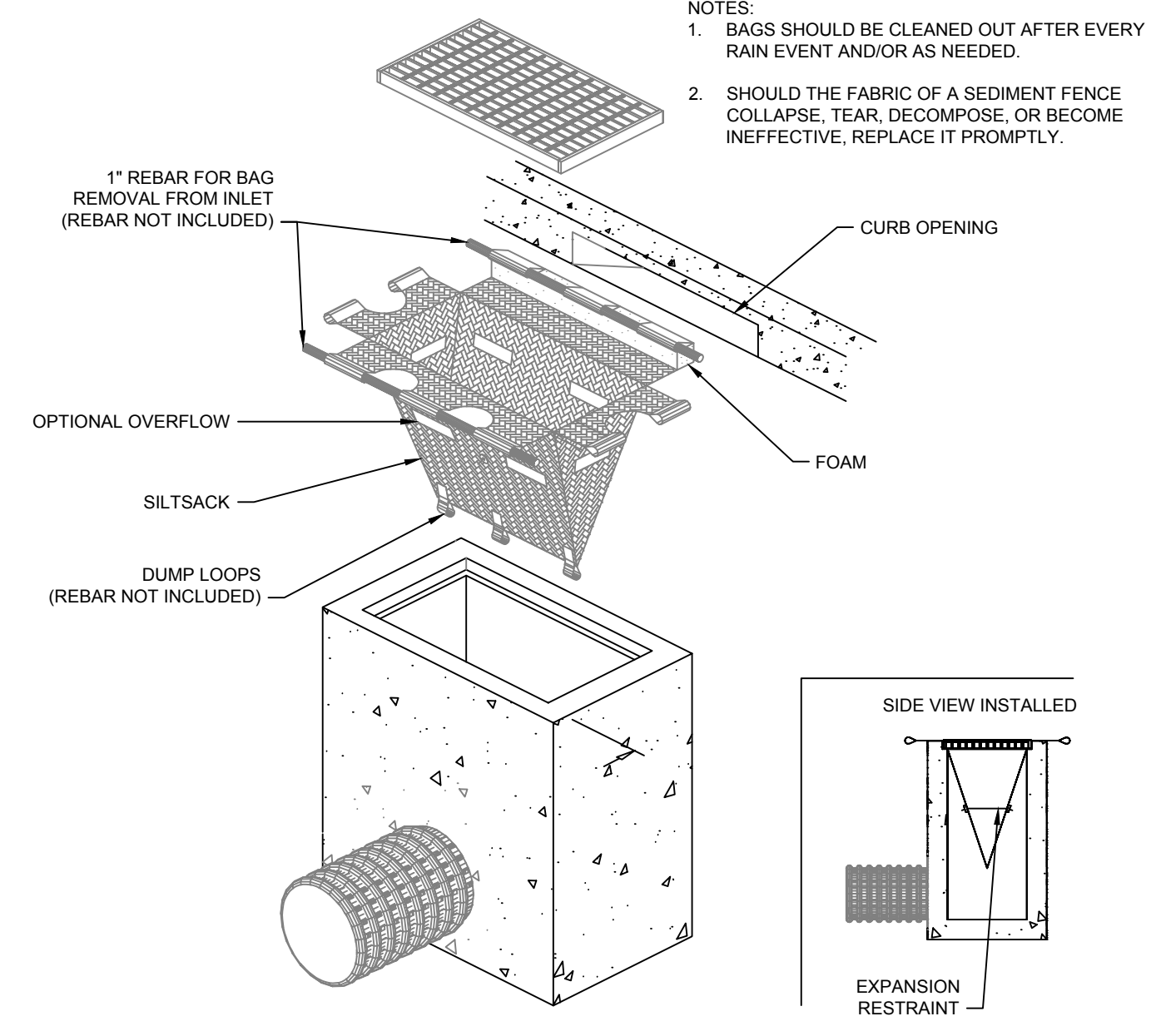
SEE N.C. DENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL FOR CONDITIONS WHERE PRACTICE APPLIES; PLANNING CONSIDERATION & DESIGN CRITERIA.

**3" SKIMMER**  
 NO SCALE

- CONSTRUCTION SPECIFICATIONS:**
1. CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL, AND PROPERLY GRADE IT.
  2. PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLAN.
  3. PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.
  4. USE GEOTEXTILE FABRICS BECAUSE THEY IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.
- MAINTENANCE**  
 MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH TWO-INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

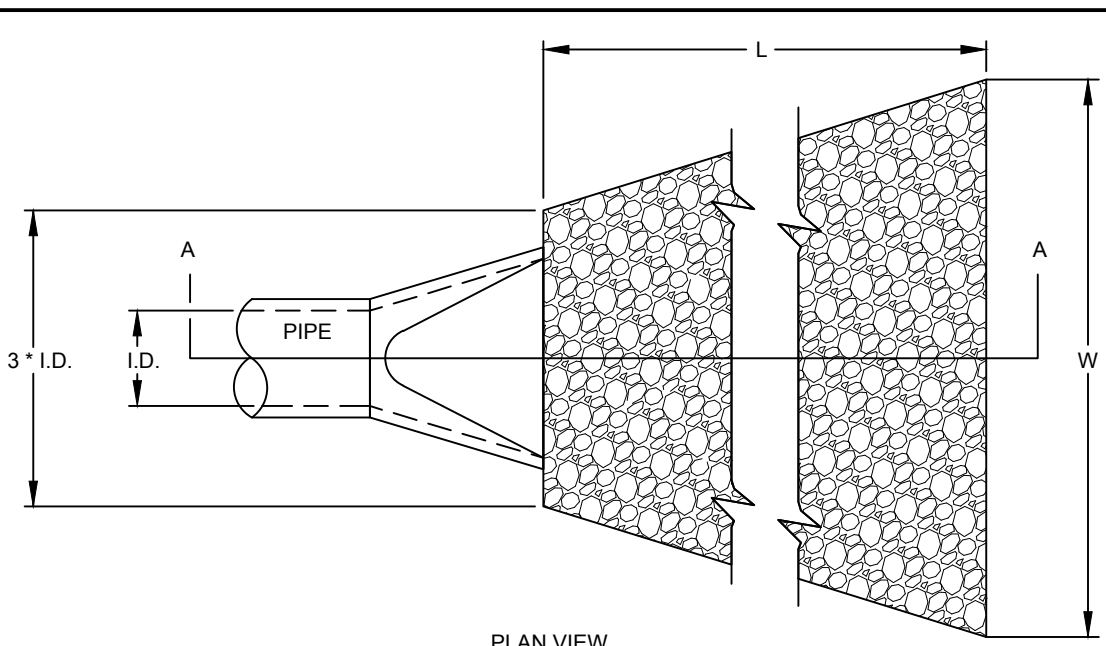


**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT**  
 NO SCALE



- NOTES:
1. BAGS SHOULD BE CLEANED OUT AFTER EVERY RAIN EVENT AND/OR AS NEEDED.
  2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

INLET PROTECTION INSERT  
 NO SCALE



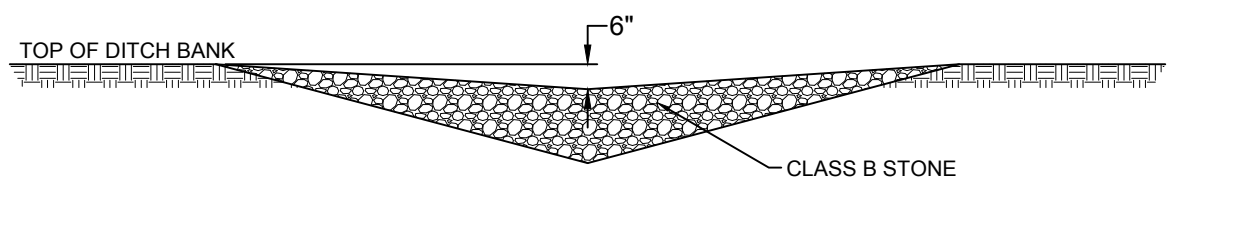
PLAN VIEW

SECTION A-A

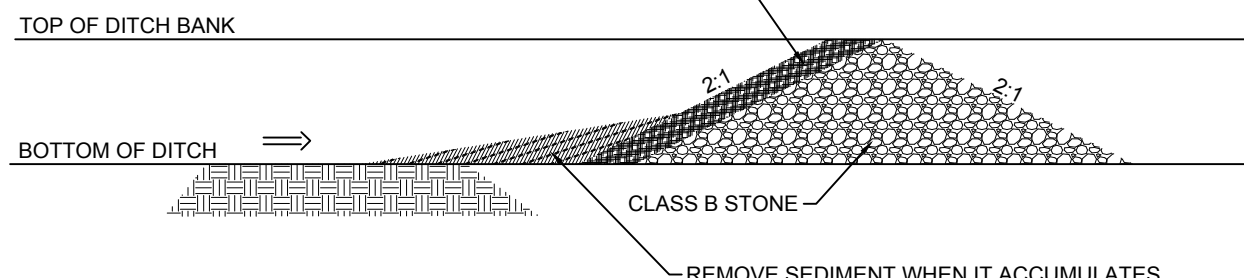
- NOTES:
1. L = THE LENGTH OF THE RIPRAP APRON.
  2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6" (INCHES).
  3. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

**MAINTENANCE**  
 INSPECT RIPRAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE. CONTROL OF WEED AND BRUSH GROWTH MAY BE NEEDED IN SOME LOCATIONS.

**OUTLET PROTECTION**  
 NO SCALE



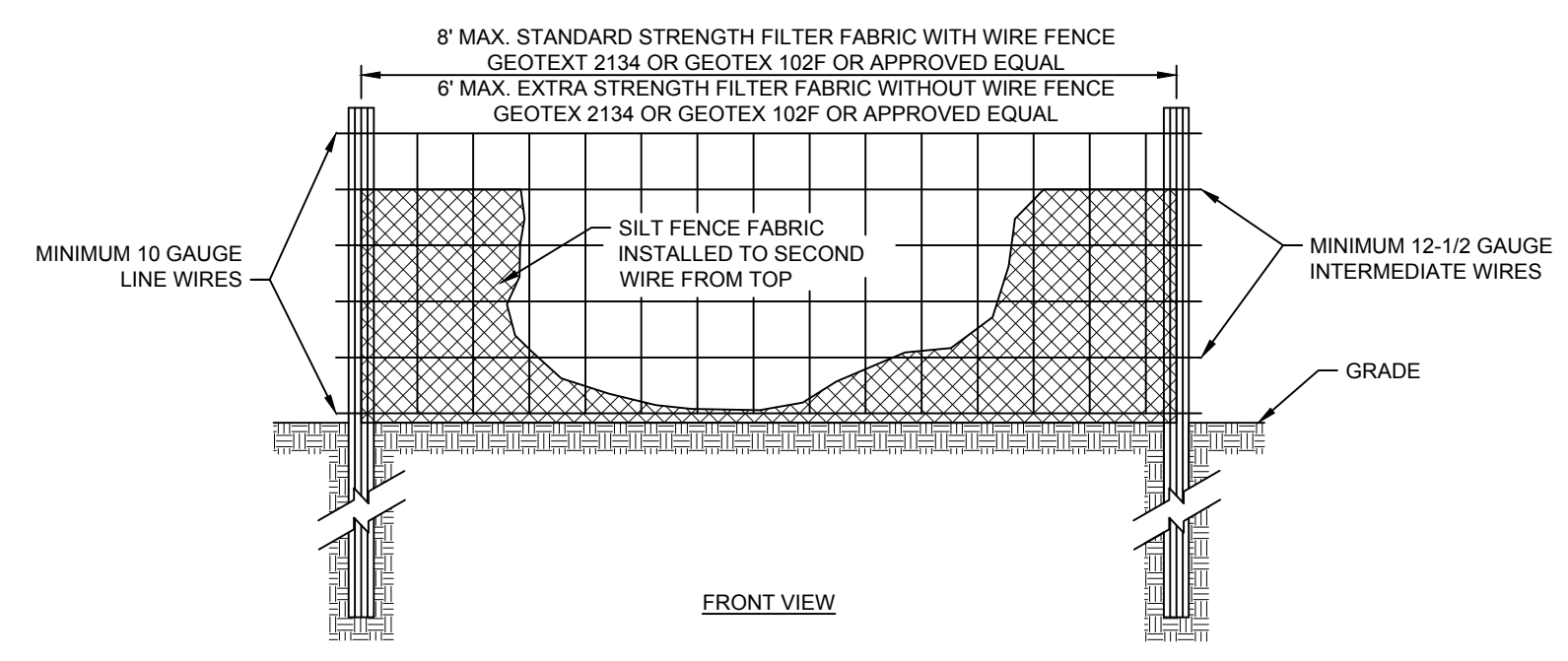
SECTION



PROFILE

REMOVE SEDIMENT WHEN IT ACCUMULATES TO 1/3 THE HEIGHT OF THE DAM  
 FILTER DAM IS TO BE IN PLACE UNTIL GRASS IS ESTABLISHED IN BOTTOM OF DITCH SUFFICIENT TO PREVENT EROSION

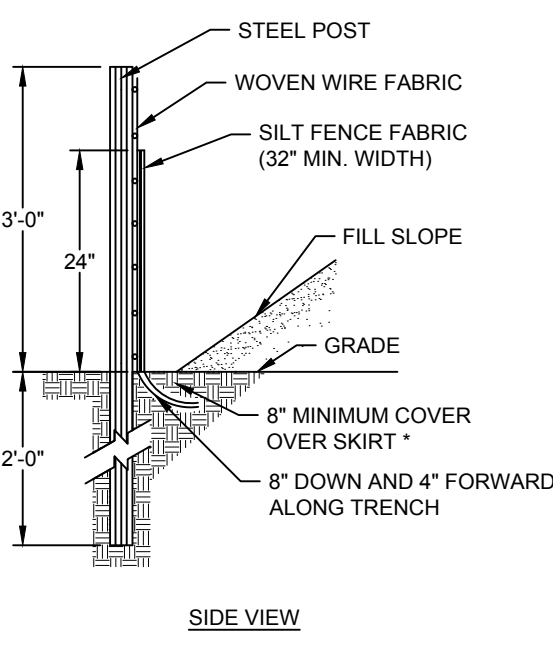
**CHECK DAM**  
 NO SCALE



FRONT VIEW

- CONSTRUCTION SPECIFICATIONS**
1. USE SYNTHETIC FILTER FABRIC OF AT LEAST 95% BY WEIGHT OF POLYOLEFINS OR POLYESTER, WHICH IS CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE REQUIREMENTS IN ASTM D 6461.
  2. SYNTHETIC FILTER FABRIC SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0-120 DEGREES F.
  3. ENSURE THAT POSTS FOR SEDIMENT FENCES ARE 1.33 LBLF STEEL WITH A MINIMUM LENGTH OF 5'. MAKE SURE THAT STEEL POSTS HAVE PROJECTIONS TO FACILITATE FASTENING THE FABRIC.
  4. FOR REINFORCEMENT OF STANDARD STRENGTH FILTER FABRIC, USE WIRE FENCE WITH A MINIMUM 14 GAUGE AND A MAXIMUM MESH SPACING OF 6 INCHES.

**SILT FENCE**  
 NO SCALE



SIDE VIEW

- MAINTENANCE**
1. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
  2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
  3. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
  4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

**GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT**

Implementing the details and specifications on this plan sheet will result in the construction activity being consistent with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

**SECTION E: GROUND STABILIZATION**

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed -7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(d) Slopes 3:1 to 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

**GROUND STABILIZATION SPECIFICATION**

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> <li>Temporary grass seed covered with straw or other mulches and tackifiers</li> <li>Hydroseeding</li> <li>Roller erosion control products with or without temporary grass seed</li> <li>Appropriately applied straw or other mulch</li> <li>Plastic sheeting</li> </ul>	<ul style="list-style-type: none"> <li>Permanent grass seed covered with straw or other mulches and tackifiers</li> <li>Geotextile fabrics such as permanent soil reinforcement matting</li> <li>Hydroseeding</li> <li>Shrubs or other permanent plantings covered with mulch</li> <li>Uniform and evenly distributed ground cover sufficient to restrain erosion</li> <li>Structural methods such as concrete, asphalt or retaining walls</li> <li>Roller erosion control products with grass seed</li> </ul>

- POLYACRYLAMIDES (PAMS) AND FLOCCULANTS**
- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
  - Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
  - Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
  - Provide ponding area for containment of treated stormwater before discharging offsite.
  - Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

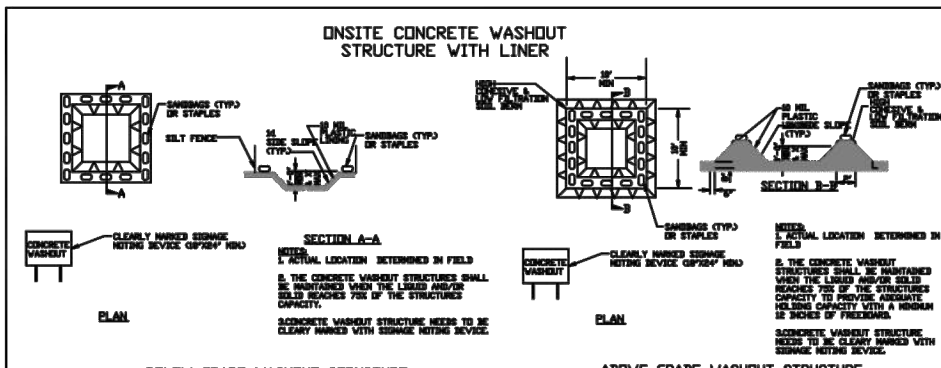
- EQUIPMENT AND VEHICLE MAINTENANCE**
- Maintain vehicles and equipment to prevent discharge of fluids.
  - Provide drip pans under any stored equipment.
  - Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
  - Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle where possible).
  - Remove leaking vehicles and construction equipment from service until the problem has been corrected.
  - Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

- LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE**
- Never bury or burn waste. Place litter and debris in approved waste containers.
  - Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
  - Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
  - Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
  - Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
  - Anchor all lightweight items in waste containers during times of high winds.
  - Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
  - Dispose waste off-site at an approved disposal facility.
  - On business days, clean up and dispose of waste in designated waste containers.

- PAINT AND OTHER LIQUID WASTE**
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
  - Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
  - Contain liquid wastes in a controlled area.
  - Containment must be labeled, sized and placed appropriately for the needs of site.
  - Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

- PORTABLE TOILETS**
- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
  - Provide staking or anchoring of portable toilets during periods of high winds or in high traffic areas.
  - Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

- EARTHEN STOCKPILE MANAGEMENT**
- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
  - Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
  - Provide stable stone access point when feasible.
  - Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



- CONCRETE WASHOUTS**
- Do not discharge concrete or cement slurry from the site.
  - Dispose of, or recycle/strengthen, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
  - Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
  - Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
  - Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
  - Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
  - Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
  - Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
  - Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
  - At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

- HERBICIDES, PESTICIDES AND RODENTICIDES**
- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
  - Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
  - Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
  - Do not stockpile these materials onsite.

- HAZARDOUS AND TOXIC WASTE**
- Create designated hazardous waste collection areas on-site.
  - Place hazardous waste containers under cover or in secondary containment.
  - Do not store hazardous chemicals, drums or bagged materials directly on the ground.

**PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION A: SELF-INSPECTION**

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual day rain measurement is available, record the cumulative rain measurement for those unattended days (are the wet depression if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-measuring device approved by the Division.
(2) E&S Measures	At least once per 7 calendar days and within 24 hours of a rain event > 2.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Identification of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event > 2.0 inch in 24 hours	1. Identification of the discharge outfall inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the outfall, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event > 2.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future sedimentation.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event > 2.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream that visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.
(6) Ground stabilization measures	After each phase of grading	The plans of grading (including installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover).

**NOTE:** The rain inspection resets the required 7 calendar day inspection requirement.

**PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION B: RECORDKEEPING**

**1. E&S Plan Documentation**

The approved E&S plan as well as any approved deviation shall be kept on the site. The approved E&S plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&S measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&S plan.	Initial and date each E&S measure on a copy of the approved E&S plan or complete, date and sign an inspection report that lists each E&S measure shown on the approved E&S plan. This documentation is required upon the initial installation of the E&S measures or if the E&S measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&S plan.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&S measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&S measures.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

**2. Additional Documentation to be Kept on Site**

In addition to the E&S plan documentation above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- This General Permit as well as the Certificate of Coverage, after it is received.
- Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

**3. Documentation to be Retained for Three Years**

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. (40 CFR 122.41)

**PART II, SECTION 6, ITEM (4) DRAIN DOWN OF SEDIMENT BASIN FOR MAINTENANCE OR CLOSE OUT**

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- The E&S plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&S plan authority has approved these items.
- The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit.
- Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems.
- Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in item (c) above.
- Velocity dispersion devices such as silt dams, sediment traps, and sump are provided at the discharge points of all dewatering devices, and
- Sediment removed from the dewatering treatment devices described in item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.



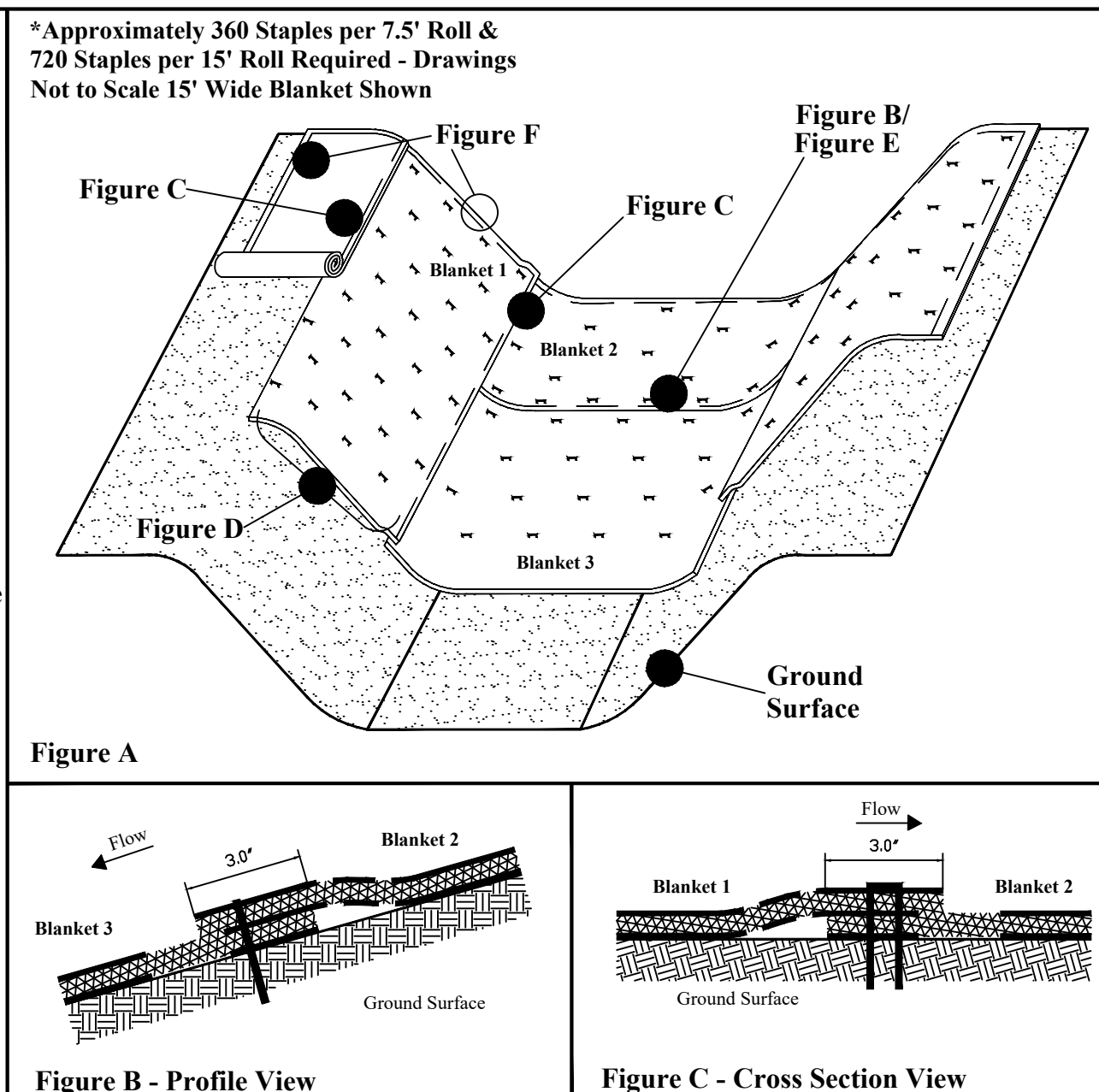
**NCG01 GROUND STABILIZATION AND MATERIALS HANDLING**

EFFECTIVE: 04/01/19

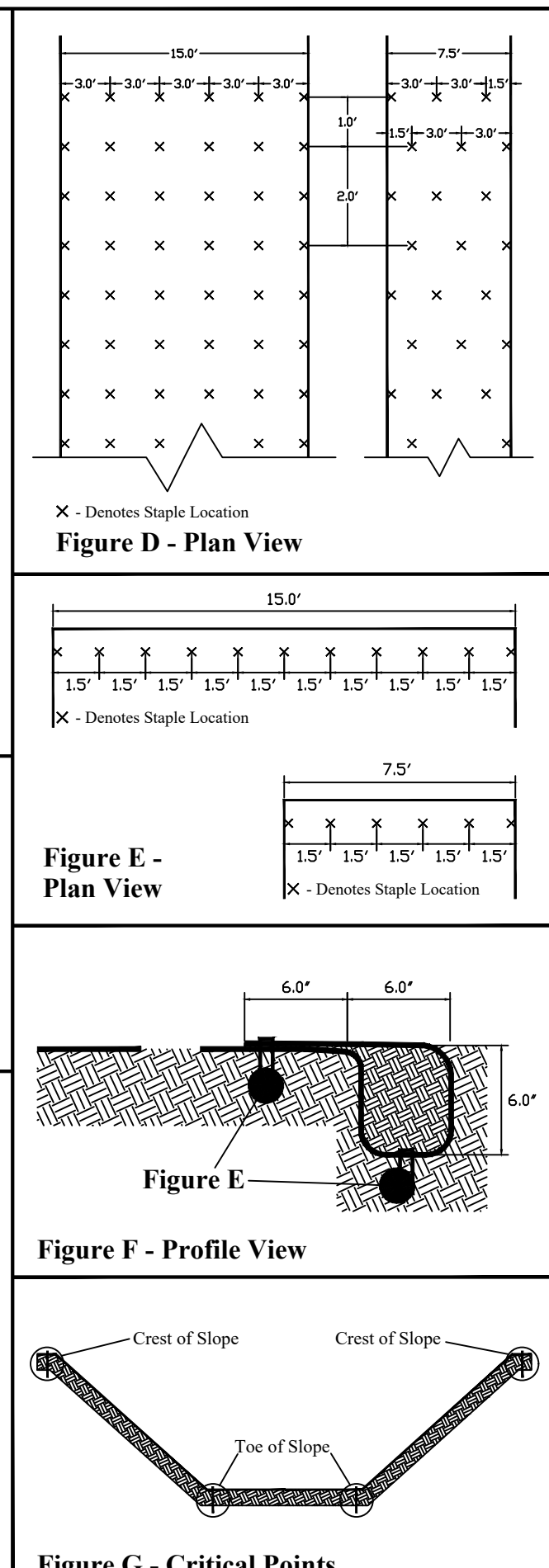
**NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING**

EFFECTIVE: 04/01/19

- Channel Installation Instructions EXCEL CS-3™**
- Step 1 - Site Preparation**
- Prepare site to prepare profile and grade. Remove debris, rocks, clods, etc. Ground surface should be smooth prior to installation to ensure blanket remains in contact with slope.
- Step 2 - Seeding**
- Seeding of site should be conducted to design requirements or to follow local or state seeding requirements as necessary.
- Step 3 - Staple Selection**
- At a minimum, 6" long by 1" crown, 11 gauge staples are to be used to secure the blanket to the ground surface. Installation in rocky, sandy or other loose soil may require longer staples.
- Step 4 - Excavate Anchor Trench and Secure Blanket**
- Excavate a trench along the top of the channel side slopes and the upstream terminal end of the channel to secure the edges of the blanket. The trench should run along the length and width of the installation, be 6" wide and 6" deep. Staple blanket along bottom of trench, fill with compacted soil, overlap blanket towards toe of slope and secure with row of staples (shown in Figures A, E and F).
- Step 5 - Secure Body of Blanket**
- Roll blanket down slope from anchor trench. Staple body of blanket following the pattern shown in Figure D. Leave end of blanket unstapled to allow for overlap shown in Figure B. Place downstream blanket underneath upstream blanket to form shingle pattern. Staple seam as shown in Figure E. Secure downstream blanket with stapling pattern shown in Figure D. Stapling pattern shown in Figure D reflects minimum staples to be used. More staples may be required to ensure blanket is sufficiently secured to resist mowers and foot traffic and to ensure blanket is in contact with soil surface over the entire area of blanket. Further, critical points require additional staples. Critical points are identified in Figure G.
- Step 6 - Continue Along Slope - Complete Installation**
- Overlap adjacent blankets as shown in Figure C and repeat Step 5. Secure toe of slope using stapling pattern shown in Figure E. Secure edges of installation by stapling at 1.5' intervals along the terminal edge.
- Document # WE\_EXCEL\_CS3\_CII



- Product Application/Equivalency Specifications**
- Excel CS-3 is produced by Western Excelsior and consists of an extended term Rolled Erosion Control Product (RECP) comprised of a coconut/straw blend matrix mechanically (stitch) bound between two, UV stabilized, photodegradable synthetic nets (top and bottom). The expected longevity of Excel CS-3 is approximately 24 months (actual longevity dependent on field and climatic conditions). Excel CS-3 is manufactured to include physical properties sufficient to provide the intended longevity and performance. Product specifications may be found on document WE\_EXCEL\_CS3\_SPEC and performance information may be found on document WE\_EXCEL\_CS3\_PERF. All documents are available from Western Excelsior Technical Support or www.westernexcelsior.com. Additional to above, equivalent products to Excel CS-3 must meet identical criteria as Excel CS-3 as follows:
- Consist of a coconut/straw blend matrix mechanically (stitch) bound between two, synthetic, UV stabilized photodegradable nets.
  - Sufficient tensile strength, thickness and coverage to maintain integrity during installation and ensure material performance.
  - Listing within AASHTO NTPEP database.



**SEEDBED PREPARATION**

**CONSTRUCTION SPECIFICATIONS**

- PREPARE SOIL AS NECESSARY TO ESTABLISH AN ADEQUATE SEEDBED FOR RECEIVING SEED USING TILLAGE AND/OR REMOVAL OF DEBRIS (ROCKS, ROOTS, OBSTRUCTIONS), CHISEL, COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
- SOIL SHALL RECEIVE LIME, FERTILIZER AND/OR SUPERPHOSPHATE UNIFORMLY AS NEEDED PER RECOMMENDATIONS FROM NORTH CAROLINA DEPARTMENT OF AGRICULTURE OR OTHER COMMERCIAL LABORATORY.
- SEED ON A FRESHLY PREPARED SEEDBED AND ENSURE SEED IS LIGHTLY COVERED FOLLOWING INSTALLATION.
- MULCH IMMEDIATELY AFTER SEEDING.
- CONTRACTOR SHALL SEED ALL AREAS THAT ARE DISTURBED WITHIN TWO DAYS. INSPECT ALL SEEDBED AREAS AND MAKE SURE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. AFTER ALL CONSTRUCTION ACTIVITIES ARE COMPLETE, AN INSPECTION WILL BE COMPLETED TO DETERMINE IF ADDITIONAL SEEDING WILL BE REQUIRED.

\*APPLY: FERTILIZER, LIME, AND MULCH SHALL BE APPLIED AT RATES RECOMMENDED BY NCDA (OR OTHERS), OTHERWISE, APPLY AS DESCRIBED BELOW.

AGRICULTURAL LIMESTONE - 1-1.5 TONS/ACRE ON COURSE TEXTURED SOILS AND 2-3 TONS/ACRE IN FINE-TEXTURED SOILS  
SOILS WITH PH 6 OR HIGHER NEED NOT BE LIMED.  
FERTILIZER - 700-1000 LBS/ACRE (10-10-10)  
MULCH - 2 TONS/ACRE (SMALL GRAIN STRAW)  
ANCHOR - ASPHALT EMULSION AT 450 GAL/ACRE

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE EROSION AND SEDIMENT CONTROL STANDARDS AND SPECIFICATIONS OF THE DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PROVIDED ON ALL AREAS OF THE SITE WHICH ALL DISTURBED OR GRADED.

PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY FOR SLOPES 3:1 OR FLATTER AND LESS THAN 50' IN LENGTH, FOR SLOPES 4:1 OR FLATTER OF ANY LENGTH (EXCEPT FOR PERIMETERS AND HQW ZONES), AND SLOPES NO STEEPER THAN 2:1 AND LESS THAN 10' IN LENGTH.

PROVIDE GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES WITHIN 7 CALENDAR DAYS FOR SLOPES STEEPER THAN 3:1 OR FLATTER GREATER THAN 50' IN LENGTH, FOR HIGH QUALITY WATER (HQW) ZONES, AND PERIMETER DIKES, SWALES, DITCHES AND SLOPES.

PROVIDE GROUND COVER (TEMPORARY OR PERMANENT) ON ALL EXPOSED SLOPES WITHIN 21 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING, AND A PERMANENT GROUND COVER FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.

THE CONTROL MEASURES SHALL BEGIN PRIOR TO ANY LAND DISTURBING ACTIVITY INCLUDING CLEARING; SHALL CONTINUE DURING CONSTRUCTION AND SHALL CONTINUE WITH THE NECESSARY MAINTENANCE UNTIL THE DISTURBED LAND IS STABILIZED. COMPLIANCE WITH LOCAL AND/OR STATE SOIL EROSION AND SEDIMENTATION CONTROL LAWS SHALL BE THE ENTIRE RESPONSIBILITY OF THE CONTRACTOR. THIS PARAGRAPH IS INTENDED TO SERVE ONLY AS A GUIDE TO THE CONTRACTOR FOR COMPLIANCE WITH SUCH LAWS, ORDERS, RULES AND REGULATIONS CONCERNING EROSION AND SEDIMENTATION CONTROL PROTECTION OF EXISTING STRUCTURES AND FACILITIES FROM SEDIMENTATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ITEMS TO BE PROTECTED SHALL INCLUDE, BUT ARE NOT LIMITED TO, CATCH BASINS, NATURAL WATERWAYS, DRAINAGE DITCHES, WALKS, DRIVES, ROADS, LAWNS, AND STREAMS.

**PERMANENT SEEDING SCHEDULE FOR COASTAL PLAIN**

DATE	TYPE	BROADCAST SEEDING RATES
OCT 1 - APR 1	SERICA LESPEDEZA	15 LBS/ACRE
AUG 30 - MAR 15	KY 31 TALL FESCUE	200-250 LBS/ACRE
AUG 15 - APR 15	RYE GRAIN	40 LBS/ACRE
APR 15 - AUG 15	GERMAN MILLET	10 LBS/ACRE

**TEMPORARY SEEDING SCHEDULE**

DATE	TYPE	PLANTING RATES
DEC 1 - APR 15	ANNUAL LESPEDEZA (KOBÉ IN PIEDMONT AND COASTAL PLAIN)	50 LBS/ACRE
APR 15 - AUG 15 (COASTAL PLAIN)	GERMAN MILLET	40 LBS/ACRE
AUG 15 - DEC 30 (COASTAL PLAIN)	RYE	120 LBS/ACRE

**CONSTRUCTION SEQUENCE**

- INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE PAD. (SEE DETAIL)
- INSTALL EROSION CONTROL DEVICES AT SITE DISCHARGE POINTS AND ALL SILT FENCE TO PREVENT OFF SITE SEDIMENTATION.
- PERFORM CLEARING AND DEMOLITION WORK.
- CONSTRUCT TEMPORARY SEDIMENT BASIN, INSTALLING SKIMMER AND POROUS BAFFLES UNTIL SITE IS STABILIZED.
- PERFORM GRADE WORK AND INSTALL THE REMAINING SEDIMENT AND EROSION CONTROL PROTECTION.
- CONSTRUCT BUILDINGS, CONSTRUCT STONE BASE AND ASPHALT FOR THE PROPOSED PARKING/DRIVE.
- PROVIDE GROUND COVER IN ACCORDANCE WITH DETAIL MARKED 'EROSION CONTROL MEASURES', THIS SHEET.
- MONITOR AND MAINTAIN THE INSTALLED EROSION CONTROL MEASURES AND REPAIR AS NECESSARY.
- ONCE VEGETATION IS ESTABLISHED, REMOVE POROUS BAFFLES & SKIMMER FROM BASIN, RE-GRADE BASIN AS NEEDED TO DESIGNED ELEVATIONS, AND INSTALL WETLAND PLANTS.
- REMOVE ANY REMAINING CONTROL DEVICES.

**EROSION CONTROL MEASURES**

NO SCALE



THIS DRAWING PREPARED AT THE  
**ELIZABETH CITY OFFICE**  
1805 West City Drive, Unit E 1 Elizabeth City, NC 27909  
TEL 252.661.3030 FAX 252.662.0574 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
04/01/2022	MODIFIED SUBDIVISION, REDIRECTED STORM DRAIN DISCHARGE
05/10/2022	ISSUED FOR CONSTRUCTION

DATE: 01/20/2022

DRAWN BY: BCD

DESIGNED BY: KDH

CHECKED BY: KDH

SCALE: NO SCALE

EROSION CONTROL DETAILS

**TIMMONS GROUP**

NORTH CAROLINA LICENSE NO. C-1652

**FAMILY DOLLAR CURRITUCK**

CRAWFORD TNSP - CURRITUCK COUNTY - NORTH CAROLINA

EROSION CONTROL DETAILS

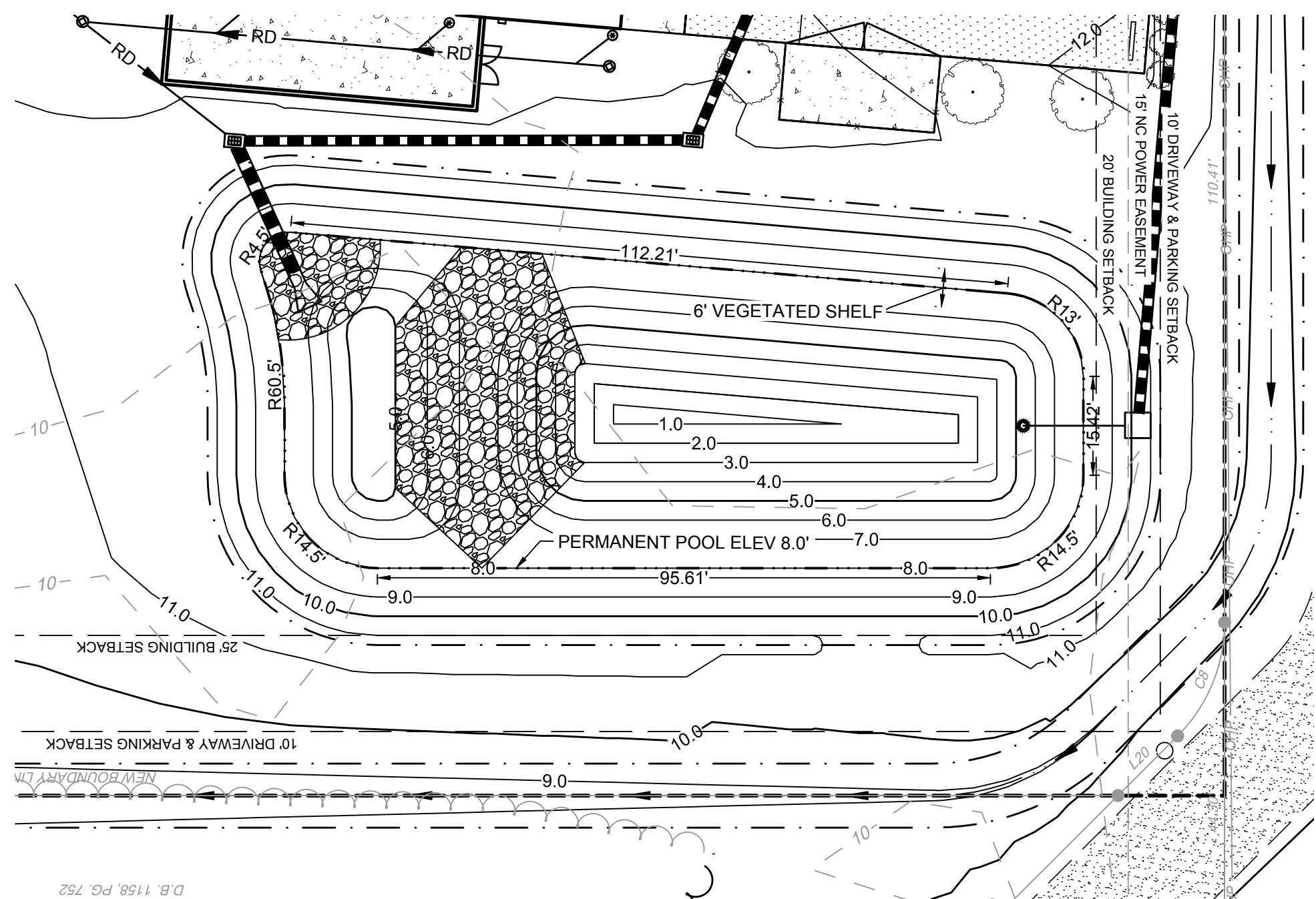
JOB NO. 48267

SHEET NO. C3.2

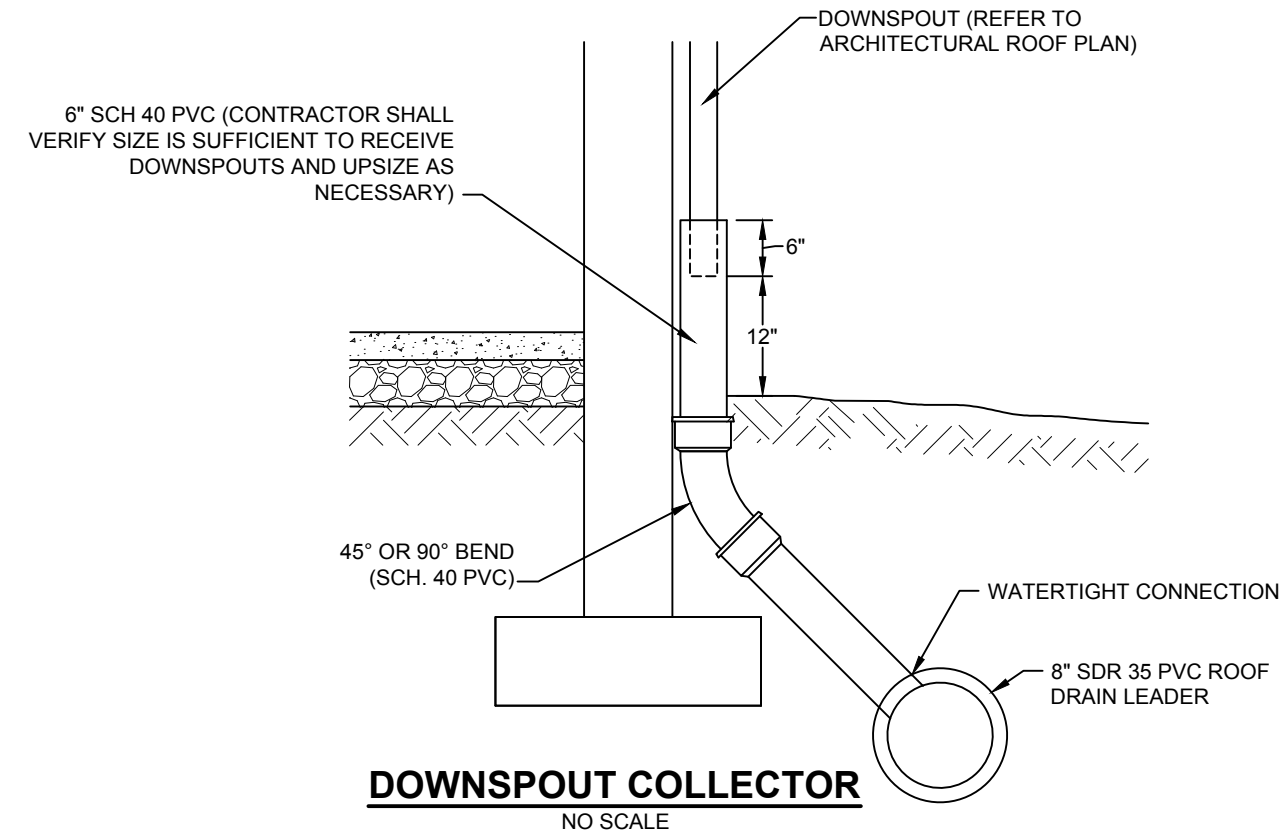
These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.



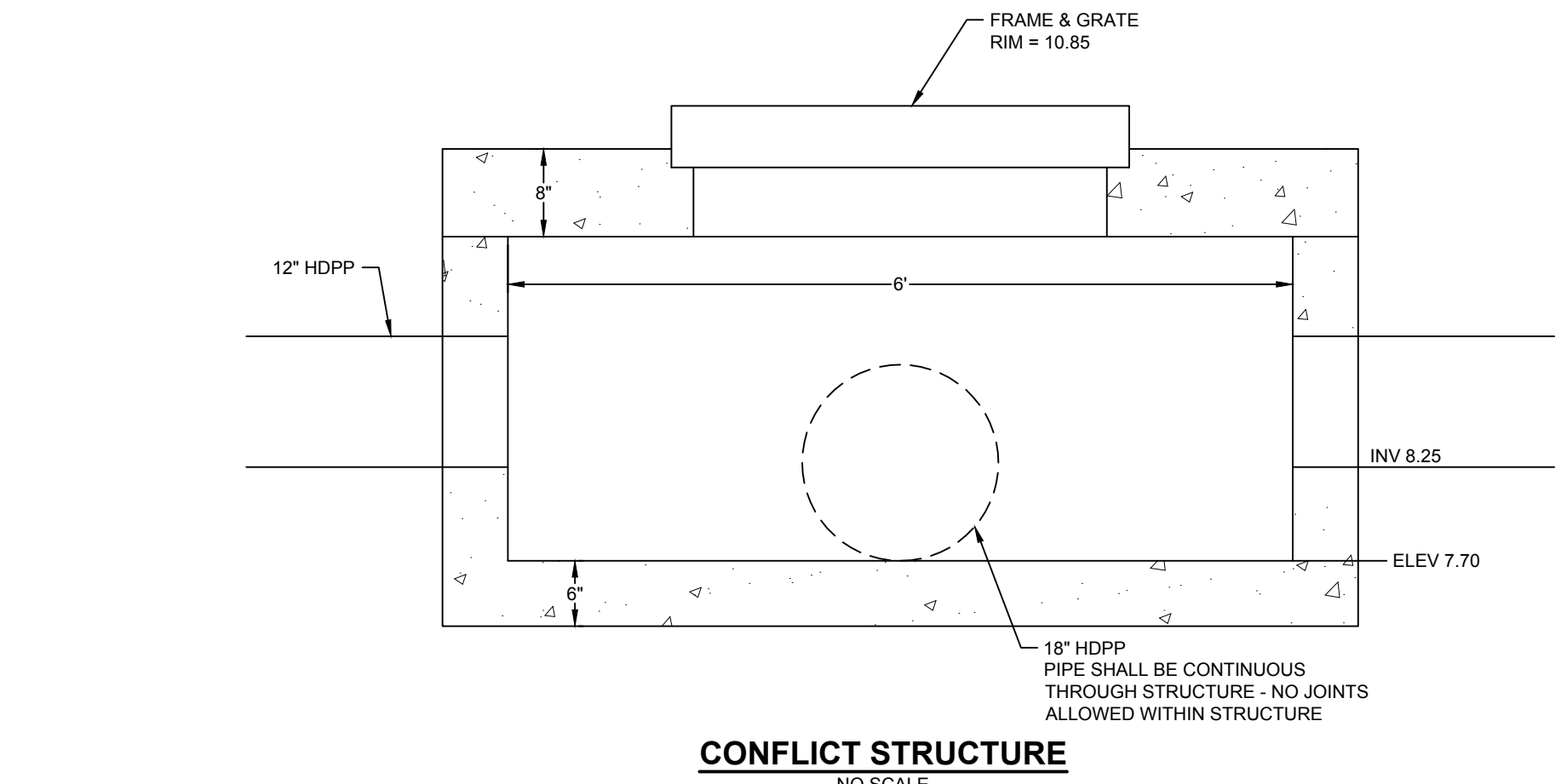




**WET DETENTION POND**  
1" = 20'

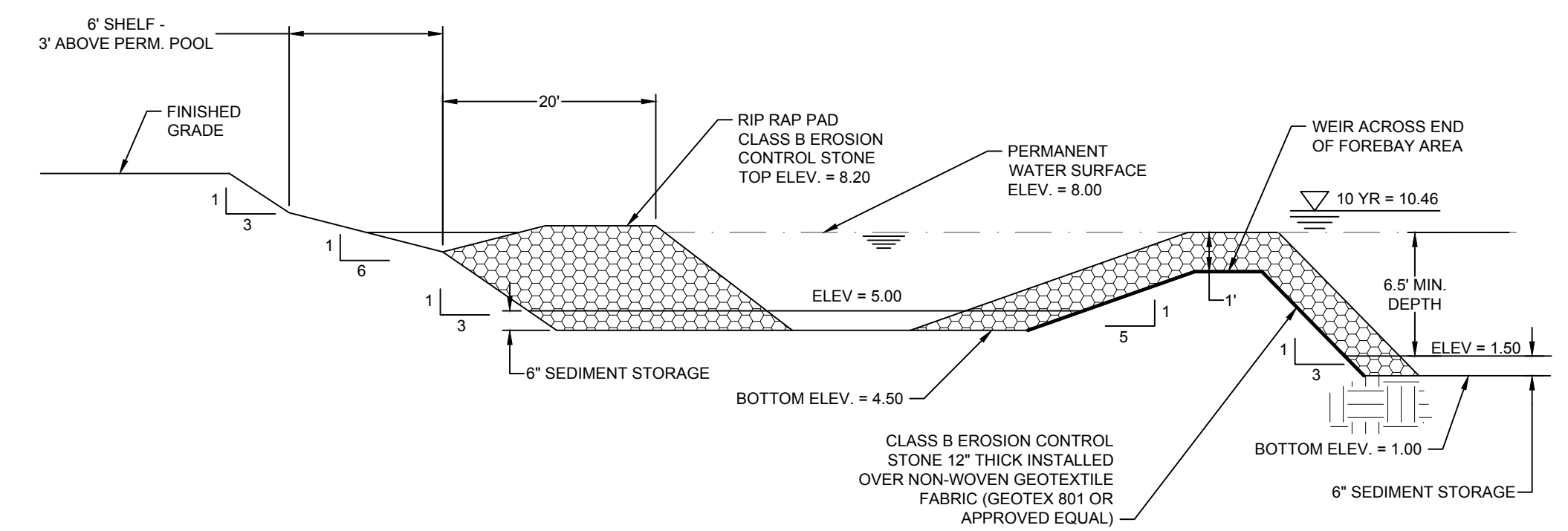


**DOWNSPOUT COLLECTOR**  
NO SCALE

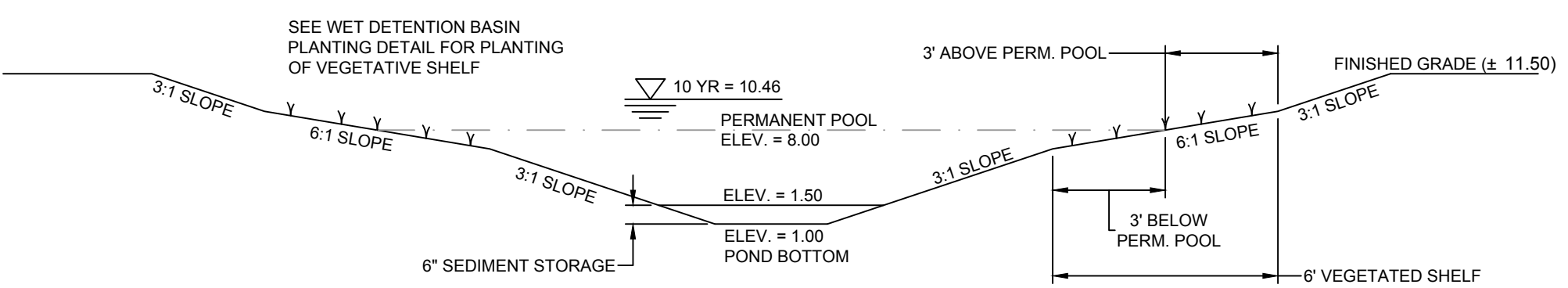


**CONFLICT STRUCTURE**  
NO SCALE

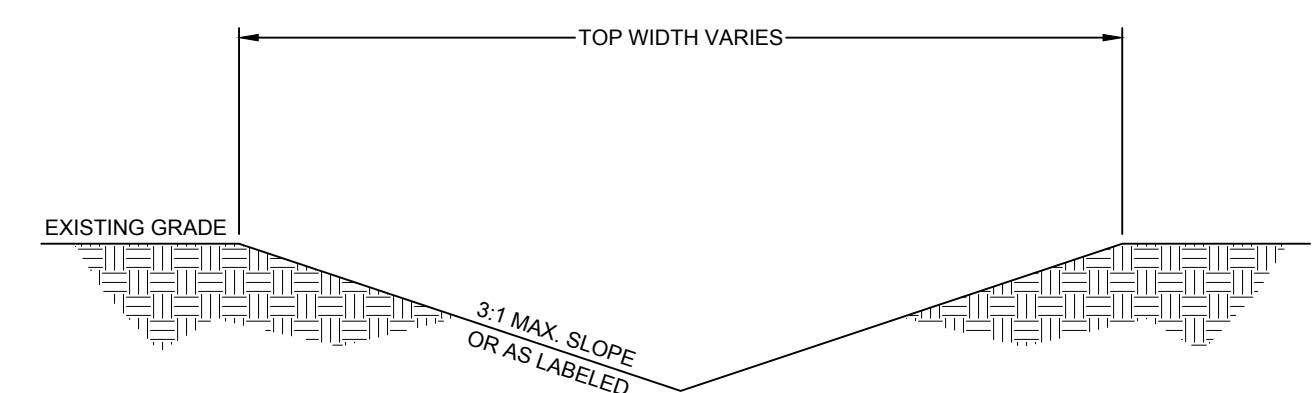
NOTE: STRUCTURE DESIGN BASED ON NCDOT STANDARD DRAWING 840.16, "TRAFFIC BEARING PRECAST DRAINAGE STRUCTURE."



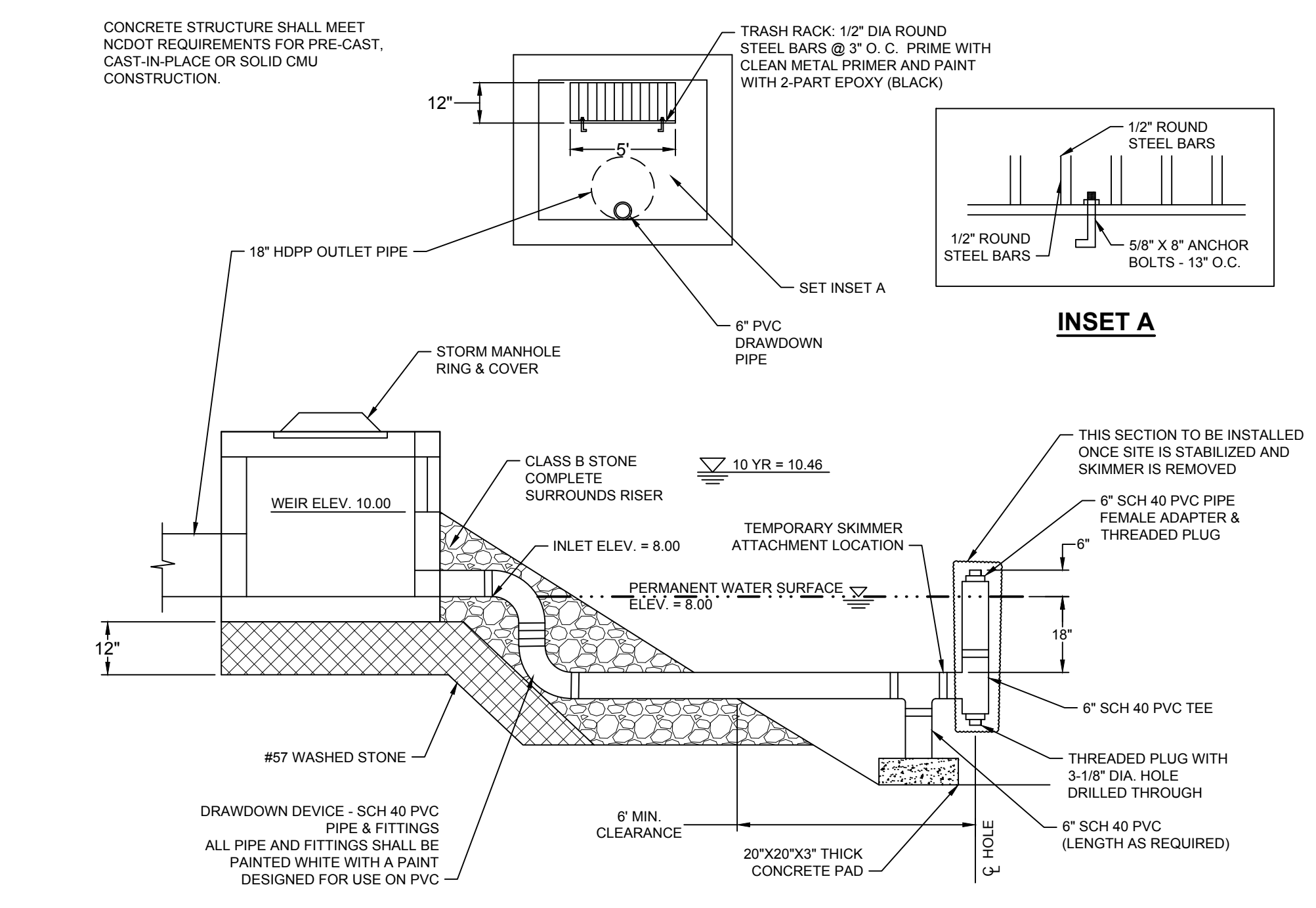
**FOREBAY AREA CROSS SECTION**  
NO SCALE



**WET BASIN CROSS SECTION**  
NO SCALE



**TYPICAL DITCH/SWALE**  
NO SCALE



**OUTLET CONTROL**  
NO SCALE

**PRE-CONSTRUCTION**

- VERIFY ALL PLANT QUANTITIES ON THE PLAN PRIOR TO BIDDING. PLANT LIST TOTALS ARE FOR CONVENIENCE ONLY AND SHALL BE VERIFIED PRIOR TO BIDDING.
- PROVIDE PLANT MATERIALS OF QUANTITY, SIZE, GENUS, SPECIES, AND VARIETY INDICATED ON PLANS. ALL PLANT MATERIALS AND INSTALLATION SHALL COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1 (AMERICAN STANDARD FOR NURSERY STOCK), IF SPECIFIED PLANT MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON AVAILABILITY TO THE ENGINEER, TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL.
- PROVIDE AND INSTALL ALL PLANTS AS IN ACCORDANCE WITH DETAILS AND CONTRACT SPECIFICATIONS.
- SOIL TESTS SHALL BE PERFORMED TO DETERMINE SOIL CHARACTER AND QUALITY. NECESSARY SOIL AMENDMENTS SHALL BE PERFORMED PER TEST RESULTS TO ENSURE PLANT HEALTH.
- THE CONTRACTOR SHALL OVER-EXCAVATE THE VEGETATED SHELF BY 12".
- THE VEGETATED SHELF SHALL BE BROUGHT TO GRADE BY PLACEMENT OF 12" AMENDED SOIL. SOIL SHALL BE AMENDED AND TESTED TO VERIFY THAT SOIL PH IS BETWEEN 5.5 AND 6.5 WITH A MINIMUM OF 5-10% ORGANIC MATTER. SOIL PH CAN BE INCREASED BY ADDING LIME OR DECREASED BY ADDING IRON SULFITE. COMPOST CAN BE ADDED TO INCREASE ORGANIC MATTER. USE OF PEAT MOSS IS NOT RECOMMENDED. TESTING CAN USUALLY BE PERFORMED THROUGH THE LOCAL COOPERATIVE EXTENSION OFFICE.
- IMMEDIATELY UPON COMPLETION OF GRADING ACTIVITIES, INSTALL EXCELISIOR EROSION CONTROL MATTING AND PLANTINGS. IF SITE IS NOT COMPLETELY STABILIZED, INSTALL SILT FENCE AROUND UPLAND PERIMETER AS NECESSARY TO PROTECT THE POND FROM RUNOFF FROM UNSTABILIZED AREAS.
- CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL FINAL INSPECTION AND ACCEPTANCE BY OWNER. CONTRACTOR SHALL NOTIFY OWNER OF CONDITIONS WHICH AFFECT THE GUARANTEE.

**PLANT INSTALLATION**

- PLANTS SHALL BE INSTALLED WITHIN 14 DAYS OF COMPLETION OF GRADING ACTIVITIES WHEN PLANTING DATES CORRESPOND. FOR BEST RESULTS, SHALLOW WATER PLANTINGS SHOULD BE INSTALLED BETWEEN APRIL 1ST AND JULY 15TH. AT NO TIME SHOULD SHALLOW WATER PLANTS BE INSTALLED BETWEEN OCTOBER 1ST AND MARCH 1ST. A PARTIAL CERTIFICATION CAN BE FILED WITH NCDEQ WITHOUT INSTALLATION OF THE SHALLOW WATER PLANTS TO INSURE THAT THEY ARE PLANTED AT THE PROPER TIMES.
- PLANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANT SCHEDULE AND PLANT LAYOUT PROVIDED. IF THE SPECIES SPECIFICALLY CALLED FOR IN THE PLANT SCHEDULE ARE NOT AVAILABLE, THE FOLLOWING ARE ACCEPTABLE RECOMMEND SPECIES:
  - CLADLIUM JAMACENSE (SAWGRASS)
  - ECHINODORUS SUBCORDATIUM (CREEPING BURHEAD)
  - PELTANDRA VIRGINICA (ARROW ARUM)
  - SAGITTARIA LANCIIFOLIA (BULL TONGUE)
  - SAGITTARIA LATIFOLIA (DUCK POTATO)
  - SCHONOPLECTUS TABERNAE-MONTANI (SOFTSTEM BULRUSH)
  - SCIRPUS AMERICANUS AND ALLIES (THREE-SQUARE)
  - ZZANOPSIS MILJACEA (WATER MILLET)
  - PONTERERIA CORDATA (PICKEREL WEED)
- APPLY A SLOW RELEASE FERTILIZER TO EACH PLANT AS IT IS INSTALLED. DO NOT BROADCAST FERTILIZERS OR FERTILIZE AFTER INSTALLATION IN THE AREA OF THE VEGETATED SHELF. SLOW RELEASE FERTILIZERS SHOULD FEED PLANTINGS FOR A MINIMUM OF 8-9 MONTHS. 12-14 MONTHS IS PREFERRED. A 17-5-11 FORMULA IS RECOMMENDED, BUT CAN VARY. PHOSPHORUS CONTENT SHALL BE LESS THAN 10%.

**INSPECTION**

- UPON COMPLETION OF LANDSCAPE INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR WHO WILL VERIFY COMPLETENESS, INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A FINAL INSPECTION BY THE ENGINEER.
- ALL EXTERIOR PLANT MATERIALS SHALL BE GUARANTEED FOR ONE FULL YEAR AFTER DATE OF FINAL INSPECTION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. DEFECTS RESULTING FROM NEGLIGENCE BY THE OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE CONTRACTORS CONTROL, ARE NOT THE RESPONSIBILITY OF THE CONTRACTOR.
- PLANT MATERIAL QUANTITIES AND SIZES WILL BE INSPECTED FOR COMPLIANCE WITH APPROVED PLANS BY A SITE PLAN REVIEW AGENT OF THE PLANNING DEPARTMENT PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY.
- THE PROPERTY OWNER SHALL INSURE THAT THE WET DETENTION BASIN IS MAINTAINED ACCORDING TO THE OPERATION AND MAINTENANCE AGREEMENT FILED WITH NCDEQ, TO INSURE THE SURVIVABILITY OF THE WETLAND VEGETATION. SPECIAL ATTENTION SHOULD BE PAID TO THE OUTFLOW STRUCTURE AND DRAWDOWN ORIFICE. CLOGGING OF THESE DEVICES WILL CAUSE WATER SURFACE ELEVATIONS TO BE ELEVATED FOR EXTENDED PERIODS OF TIME CAUSING INUNDATION LEVELS THAT ARE UNACCEPTABLE FOR THE SPECIFIED PLANTS.
- WEEDING SHALL TAKE PLACE WITHIN THE FIRST TWO YEARS TO ASSURE THE BASIN IS NOT OVERTAKEN BY SUCH UNDESIRABLE VEGETATION AS CATTAILS.
- FOR TWO YEARS AFTER PLANTING, DURING THE OPTIMAL PLANTING SEASON OF APRIL 1ST AND JULY 15TH, ANY PLANT THAT DID NOT SURVIVE THE PREVIOUS WINTER SHALL BE REPLACED.



THIS DRAWING PREPARED AT THE  
**ELIZABETH CITY OFFICE**  
1805 West City Drive, Unit E | Elizabeth City, NC 27909  
TEL 252.621.3030 FAX 252.362.6974 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
04/04/2022	MODIFIED SUBDIVISION, REDIRECTED STORM DRAIN DISCHARGE
05/16/2022	ISSUED FOR CONSTRUCTION
01/20/2022	DATE
BCD	DRAWN BY
KDH	DESIGNED BY
KDH	CHECKED BY
AS NOTED	SCALE

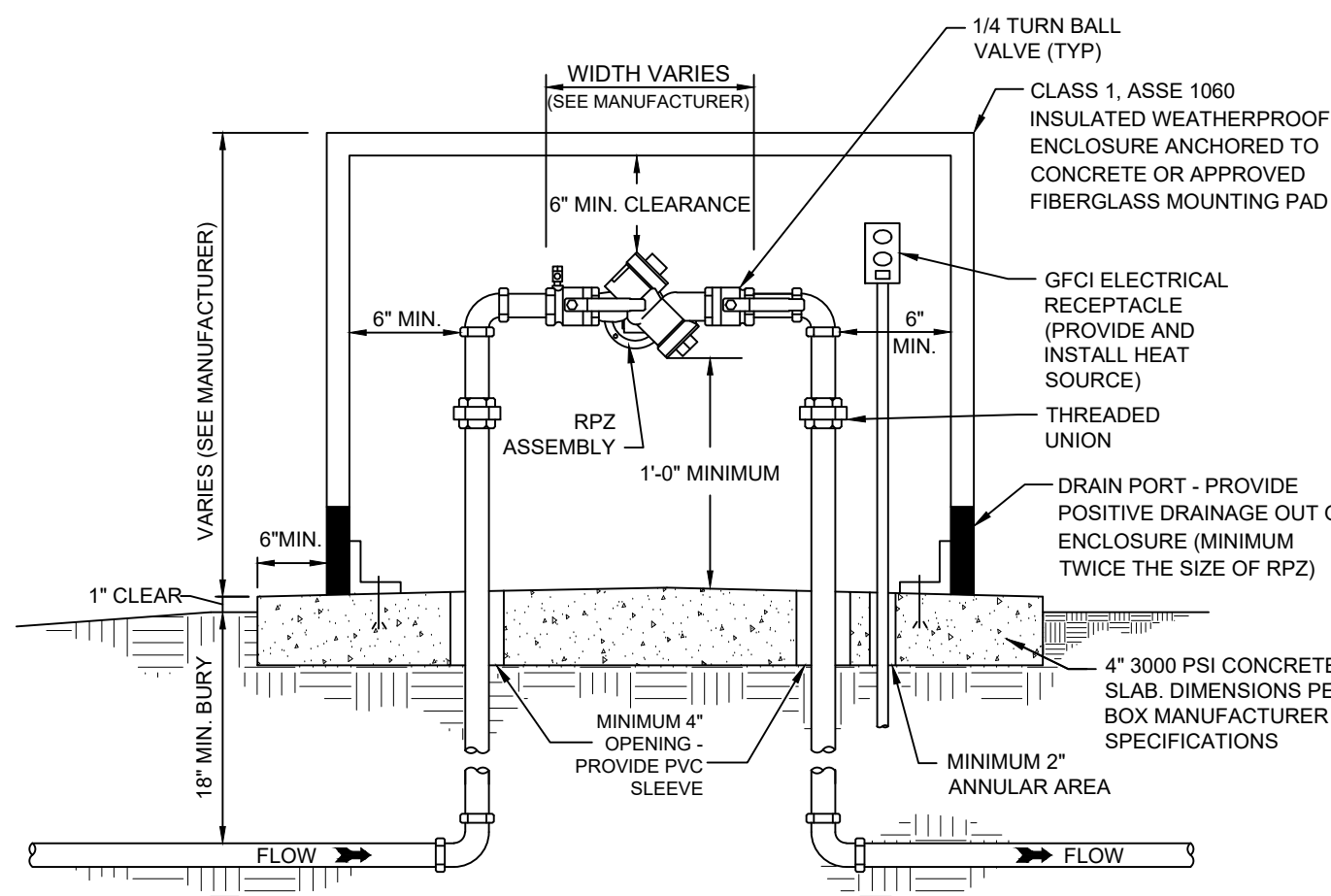
**TIMMONS GROUP**  
NORTH CAROLINA LICENSE NO. C-1652

**FAMILY DOLLAR CURRITUCK**  
CRAWFORD TNSP - CURRITUCK COUNTY - NORTH CAROLINA

**GRADING & DRAINAGE DETAILS**

JOB NO. 48267  
SHEET NO. C4.2

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.

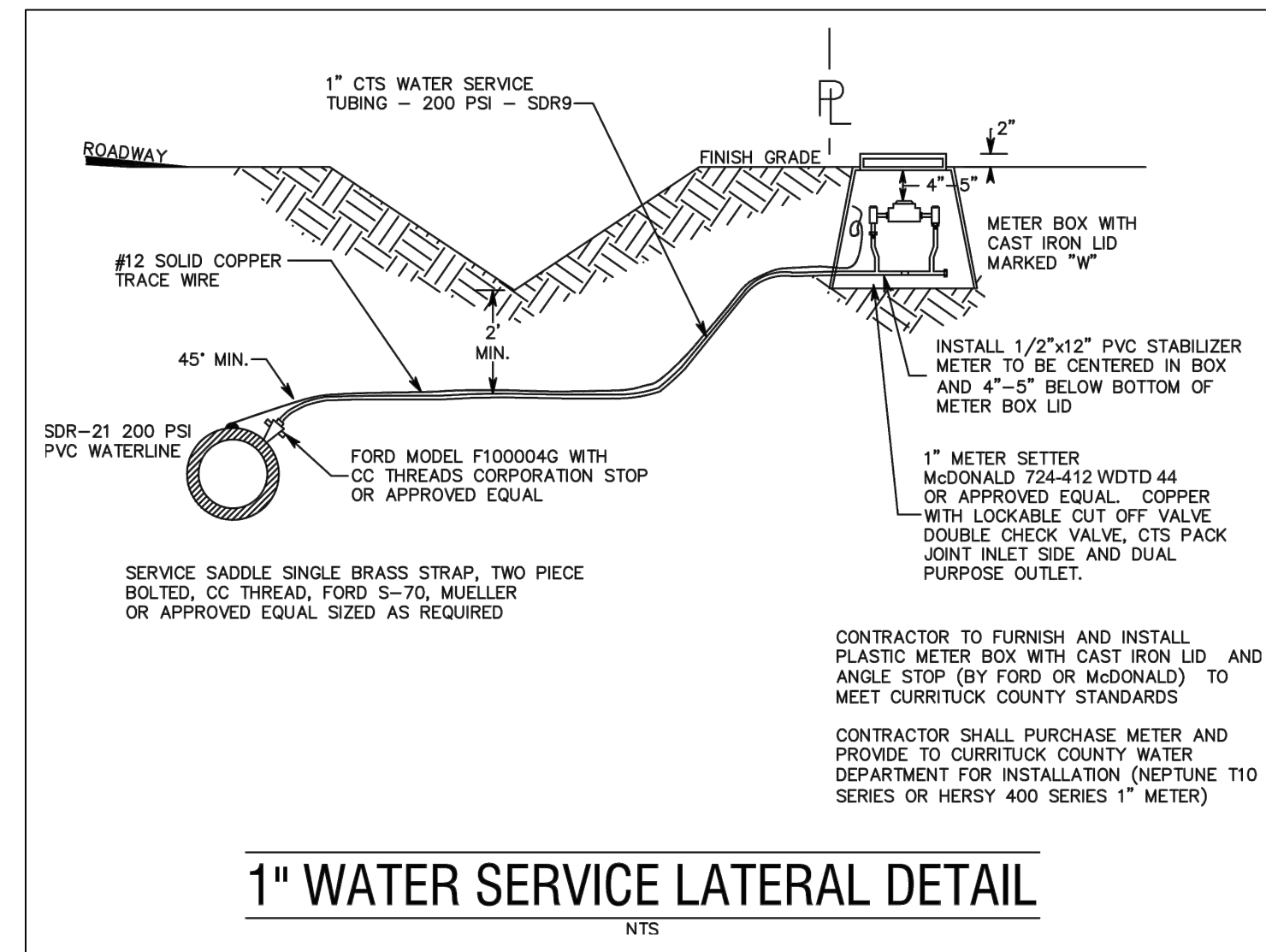


**NOTES**

- 1) REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1013 & AWWA C511.
- 2) RPZ SHALL BE EQUIPPED WITH TWO QUARTER TURN BALL VALVES.
- 3) BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED WITHIN 5-FT OF THE METER BOX.
- 4) BACKFLOW PREVENTION ASSEMBLY SHALL BE CENTERED ON CONCRETE PAD AND CENTERED WITHIN ENCLOSURE.
- 5) MINIMUM INSULATED CLASS I, ASSE 1060 WEATHERPROOF HEATED ENCLOSURE REQUIRED.
- 6) 120V GFCI ELECTRICAL RECEPTACLE TO BE INSTALLED IN ACCORDANCE WITH THE N.C. ELECTRICAL CODE FOR OUTDOOR OPERATION.
- 7) PIPE MATERIAL WITHIN ENCLOSURE SHALL BE BRASS (ASTM B43).
- 8) INSTALLATION SHALL BE IN COMPLIANCE WITH THE N.C. PLUMBING CODE.

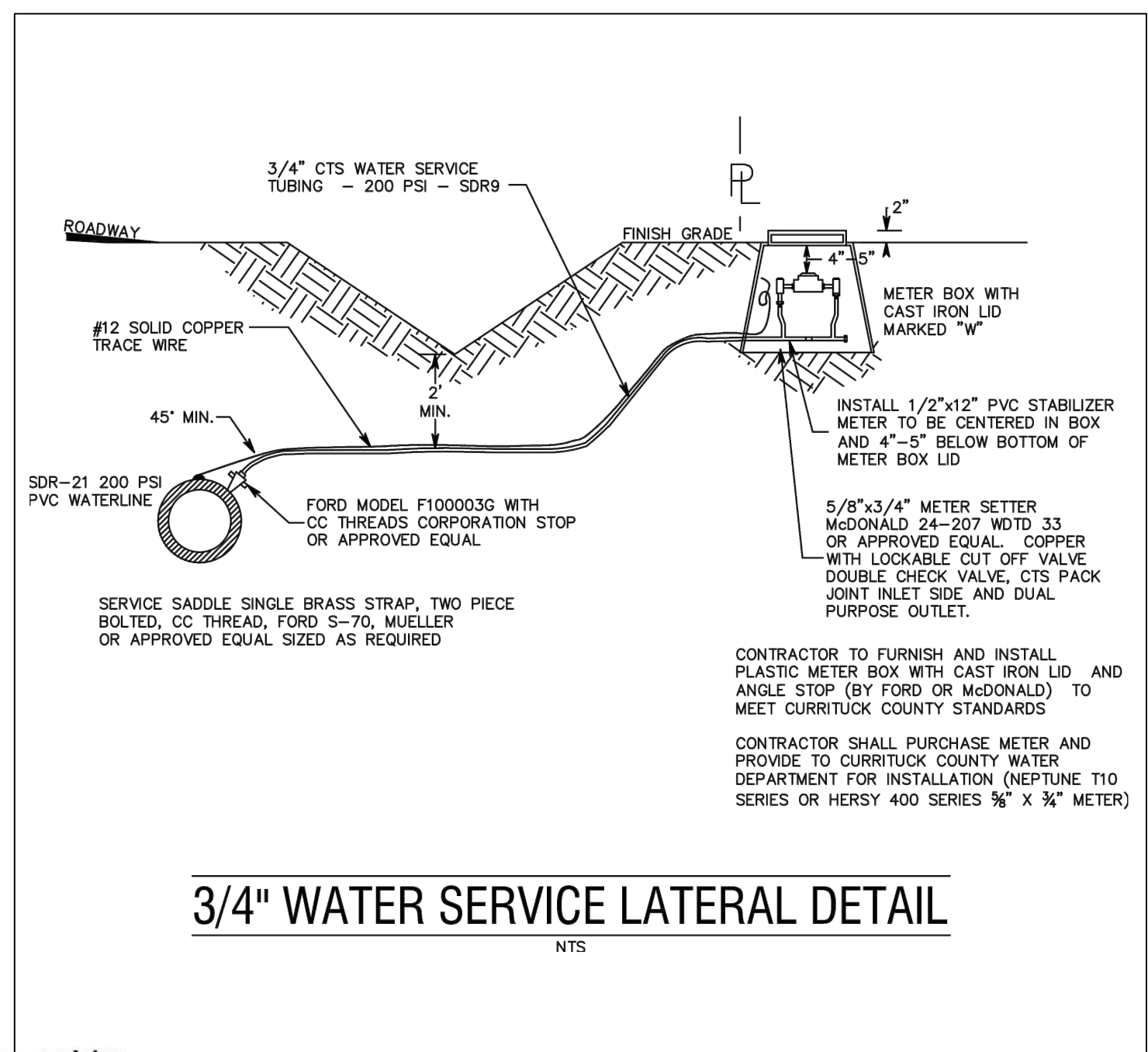
**1\"/>**

NO SCALE



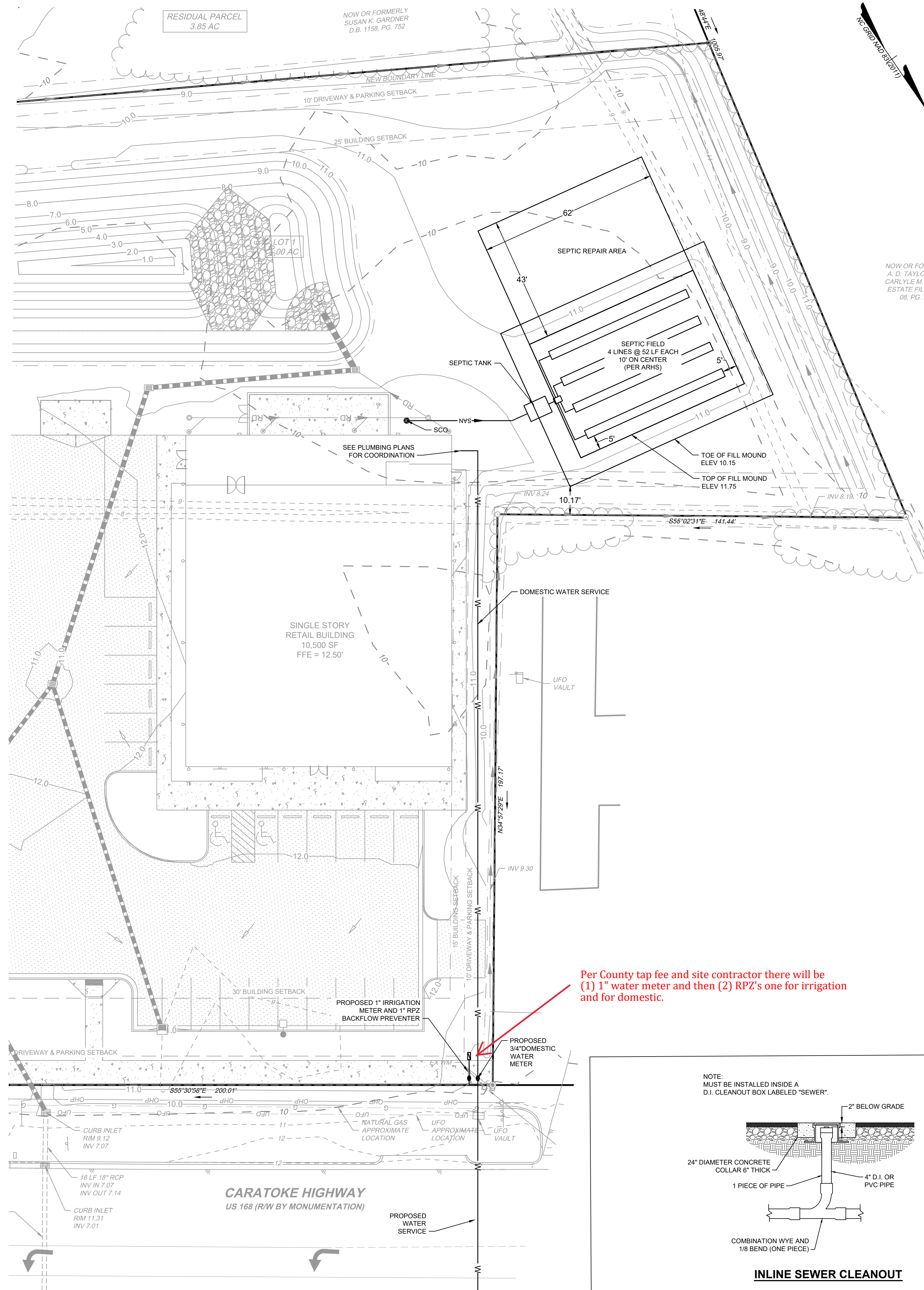
**1\"/>**

NTS

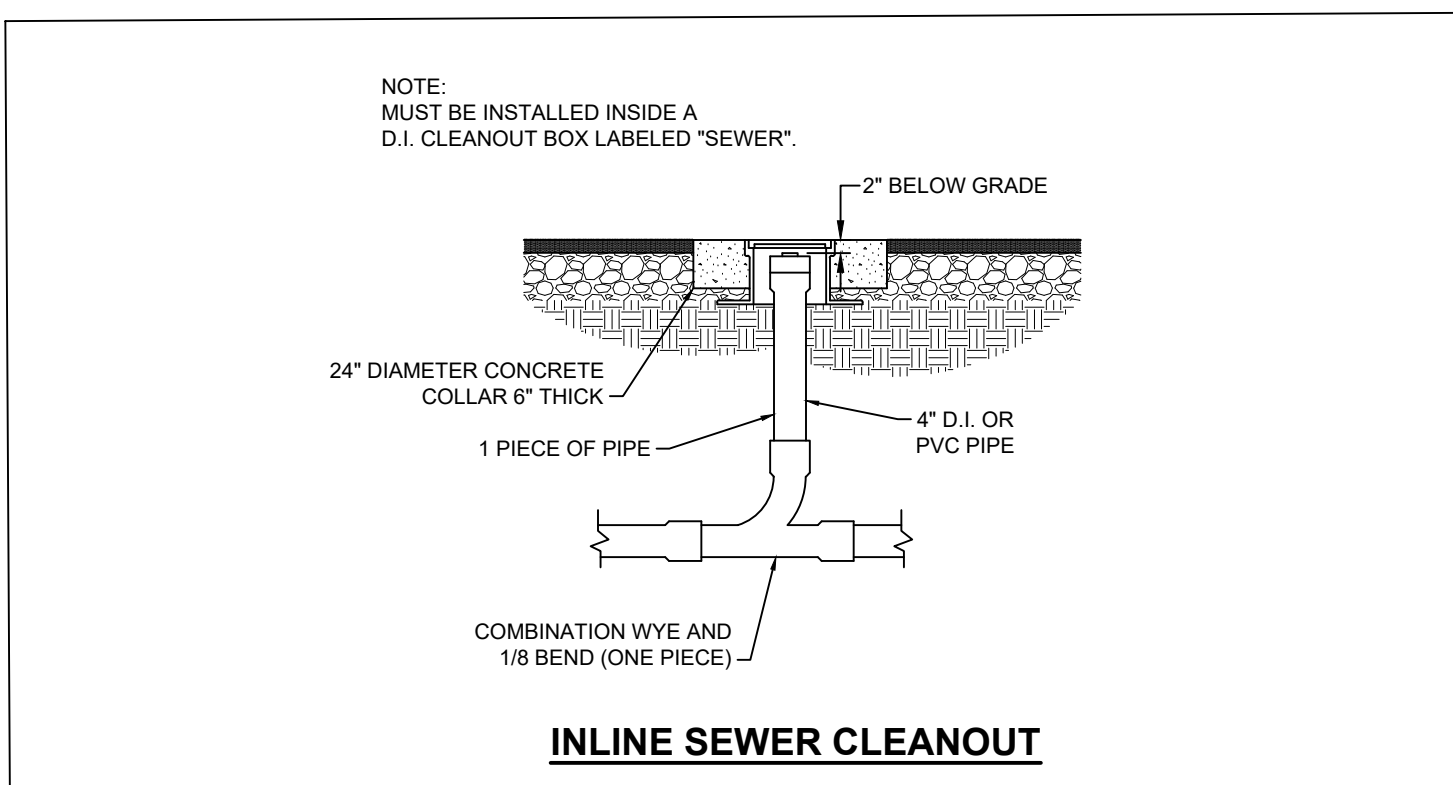


**3/4\"/>**

NTS



Per County tap fee and site contractor there will be (1) 1" water meter and then (2) RPZ's one for irrigation and for domestic.



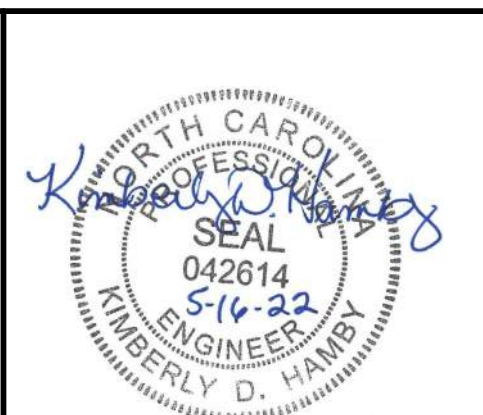
**INLINE SEWER CLEANOUT**

**VICINITY MAP**  
NO SCALE

**LEGEND**

	BENCHMARK
	IRON ROD FOUND (IRF)
	CALCULATED POINT
	EX. SIGNMARKER
	EX. UTILITY POLE
	EX. GUY ANCHOR
	EX. MAIL BOX
	PROP. WATER METER
	PROP. WATER VALVE
	PROP. SEWER TANK LID
	PROP. SEWER CLEANOUT
	PROP. CURB INLET
	PROP. DROP INLET
	PROPERTY BOUNDARY
	RIGHT OF WAY
	ADJACENT PROPERTY BOUNDARY
	PROPERTY TIES
	BUILDING SETBACK
	POWER EASEMENT
	EX. EDGE OF PAVEMENT
	EX. EDGE OF GRAVEL
	EX. OVERHEAD POWER
	EX. NATURAL GAS
	EX. UNDERGROUND FIBER-OPTIC
	EX. WATER LINE
	EX. CENTER OF DITCH
	EX. TOP OF BANK
	EX. MAJOR CONTOUR
	EX. MINOR CONTOUR
	EX. STORM PIPE
	EX. TREE LINE
	PROP. EDGE OF PAVEMENT
	PROP. WATER LINE
	PROP. SEWER LINE
	PROP. SEWER FORCE MAIN
	PROP. STORM PIPE
	PROP. CENTER OF DITCH
	PROP. TOP OF BANK
	PROP. MAJOR CONTOUR
	PROP. MINOR CONTOUR
	PROP. TREE LINE
	PROP. ASPHALT
	PROP. CONCRETE
	PROP. RIP RAP

SCALE 1"=20'



THIS DRAWING PREPARED AT THE  
**ELIZABETH CITY OFFICE**  
1805 West City Drive, Unit E | Elizabeth City, NC 27909  
TEL 252.621.3030 FAX 252.621.3974 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
04/04/2022	MODIFIED SUBDIVISION, REDIRECTED STORM DRAIN DISCHARGE
05/16/2022	ADDED IRRIGATION SERVICE AND DETAILS, ISSUED FOR CONSTRUCTION

DATE: 01/20/2022  
DRAWN BY: BCD  
DESIGNED BY: KDH  
CHECKED BY: KDH  
SCALE: 1" = 20'

**TIMMONS GROUP**  
NORTH CAROLINA LICENSE NO. C-1652  
**FAMILY DOLLAR CURRITUCK**  
CRAWFORD TNSP - CURRITUCK COUNTY - NORTH CAROLINA  
**UTILITY PLAN**

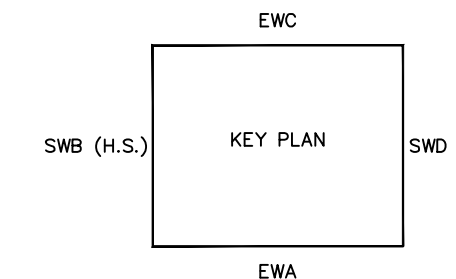
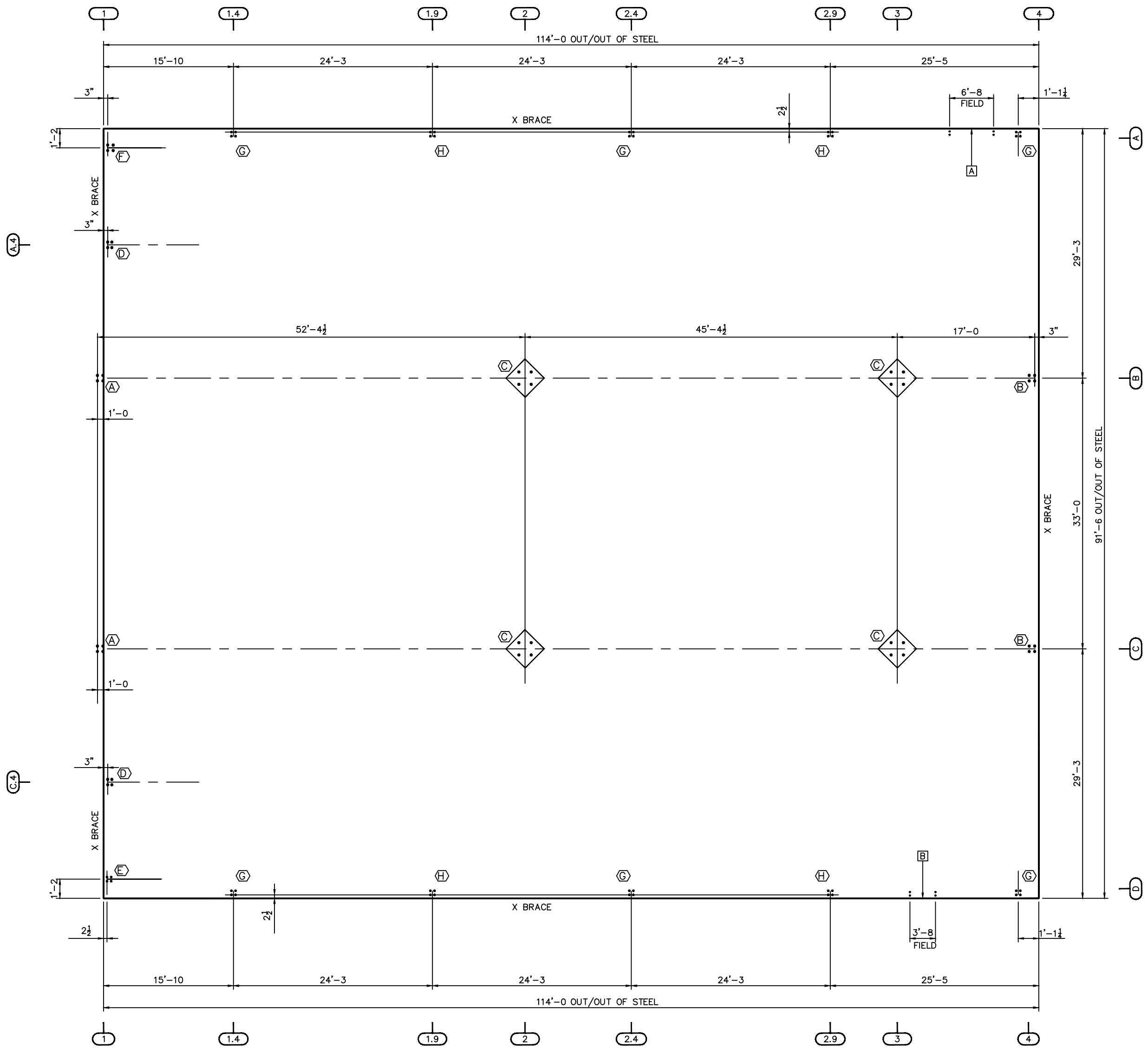
JOB NO. 48267  
SHEET NO. C5.0



**Anchor Rod Drawings**

- 1) This drawing is for anchor rod placement only and is not foundation design.
- 2) Foundation must be square and level with all anchor rods true in size, location, and projection.
- 3) Projection shown must be held to keep threads clear of finished concrete.
- 4) This structural design data includes magnitude and location of design loads and support conditions, material properties, and type and size of major structural members necessary to show compliance with the Order Documents at the time of this issue. Any change to building loads or dimensions may change structural member sizes and locations shown. This structural design data will be superseded and voided by any future mailing.
- 5) Anchor rod size is determined by shear and tension at the bottom of the base plate. The length of the anchor rod and method of load transfer to the foundation are to be determined by the foundation engineer, and are not provided by the manufacturer.
- 6) Anchor rods are ASTM F1554 Gr. 36 material unless noted otherwise.
- 7) 3000 psi concrete compressive strength ( $f'_c$ ) is assumed for the purpose of column base plate design unless otherwise noted.

FINISH FLOOR AT ELEVATION 100'-0"



ACCESSORY SCHEDULE			
MARK	DESCRIPTION	DETAIL	QUAN.
A	6'-4 1/2" X 7'-2 1/4" FRAMED OPENINGS	(I)	1
B	3'-4 1/2" X 7'-2 1/4" FRAMED OPENINGS	(I)	1

ANCHOR BOLTS TO BE DESIGNED BY FOUNDATION ENGINEER USING DIAMETERS SHOWN IN THIS TABLE.

ANCHOR ROD DESCRIPTION	QUANTITY
5/8" DIAMETER X	52
3/4" DIAMETER X	44

ANCHOR ROD SETTING PLAN

Revision	Date	Description	By	Ck'd
0	04/07/22	FOR ERECTOR INSTALLATION	AYM	NXS

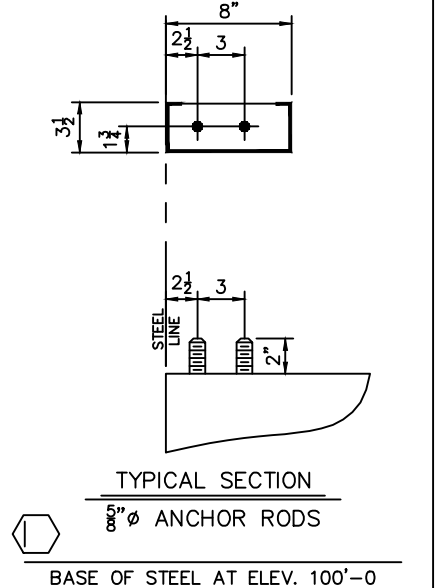
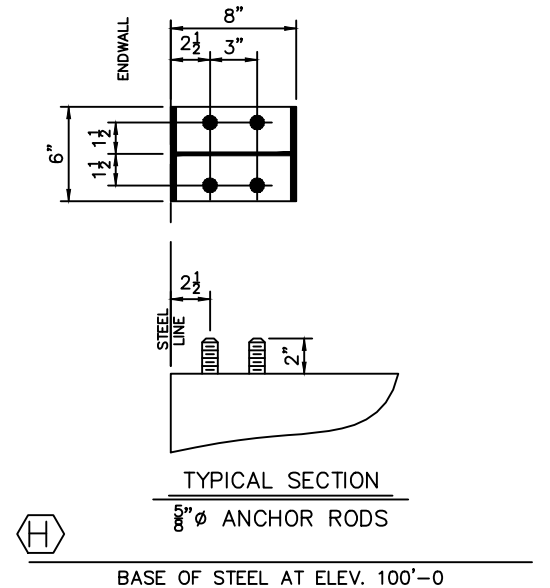
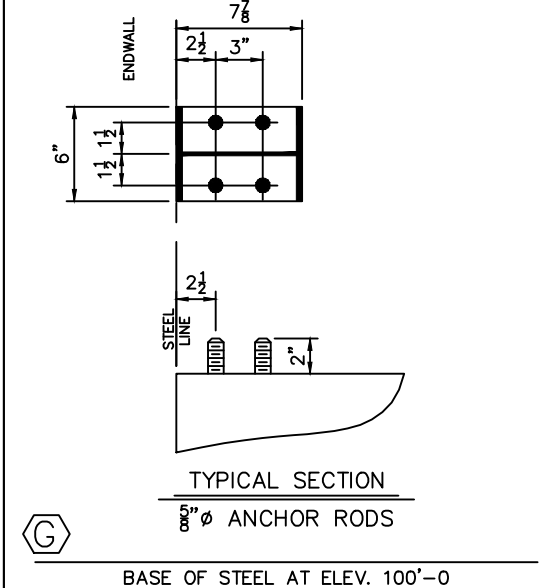
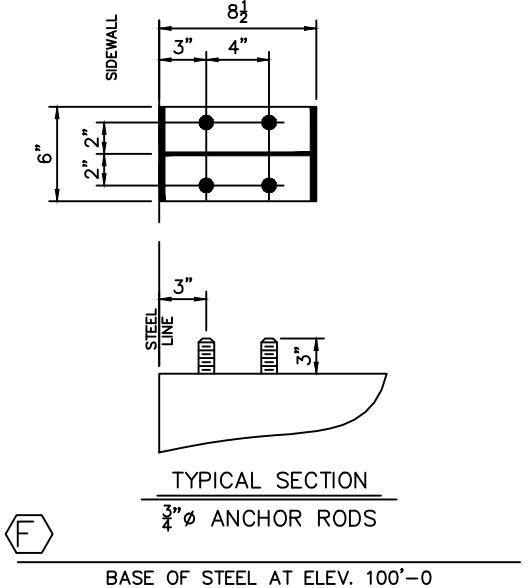
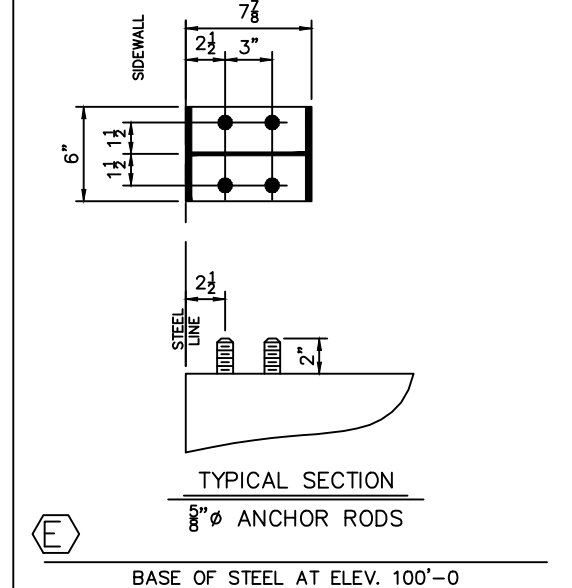
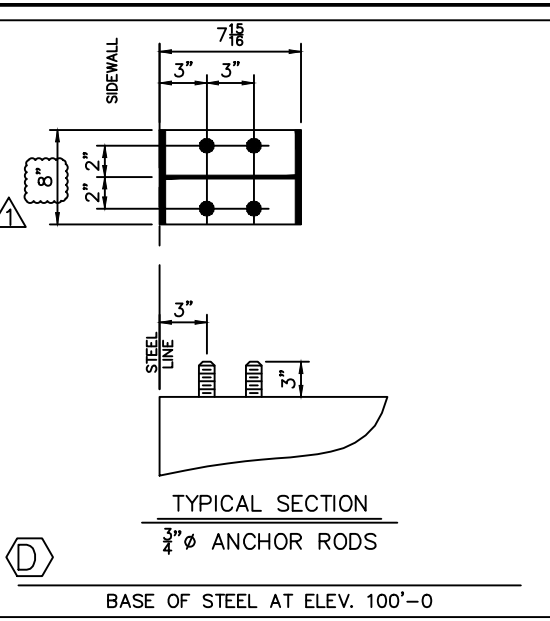
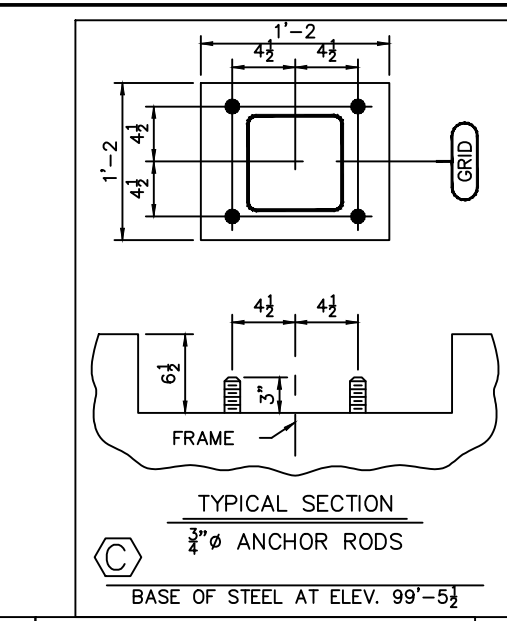
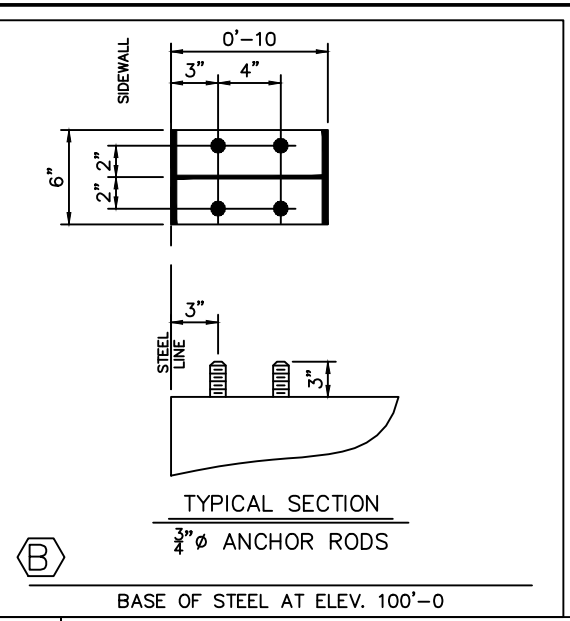
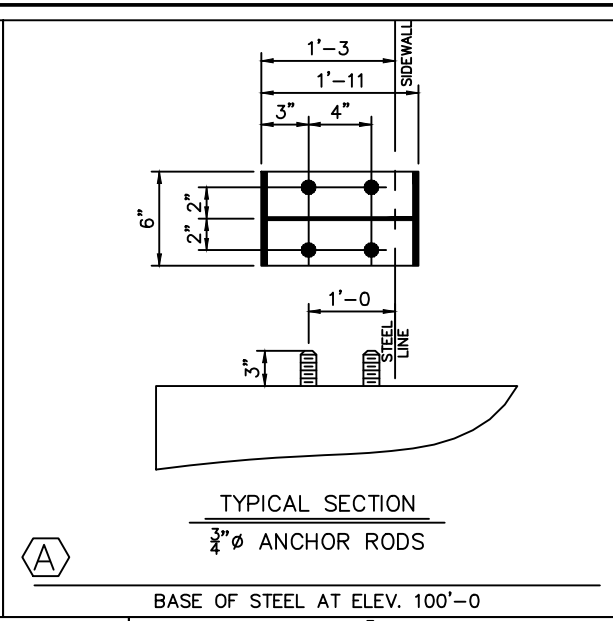
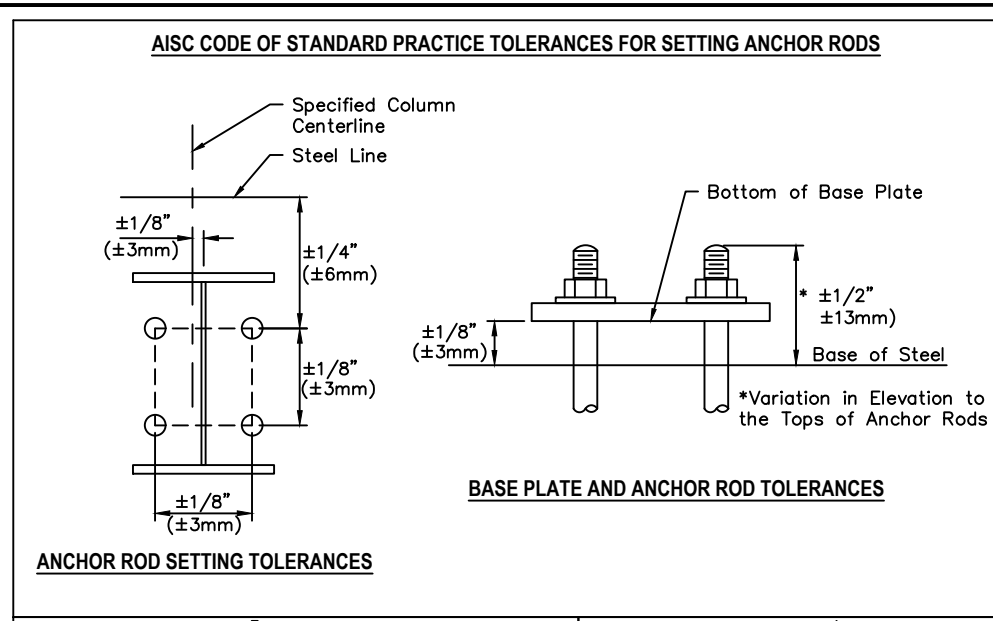
Manufactured By: METALLIC BUILDING SYSTEMS <b>MICHAEL W. CUSTER, P.E.</b> CORPELL, TX 75908 PHONE 972-511-7002	Project Name & Location: STOCKS & TAYLOR CONSTRUCTION INC. STOCKS & TAYLOR CONSTRUCTION, INC. NC HWY 168 CURRITUCK, NC 27929 US Customer: STOCKS & TAYLOR CONSTRUCTION INC 825 CAROLINA AVE WASHINGTON, NC 27889-3369 US SELDEN TAYLOR Drawing Status: <input type="checkbox"/> (Not For Construction) <input type="checkbox"/> (For Approval) <input checked="" type="checkbox"/> (For Construction) <input type="checkbox"/> (For Erector Installation)
---	---

Scale: NOT TO SCALE
Drawn by: AYM 4/7/22
Checked by: NXS 4/7/22
Project Engineer: PNG64
Job Number: 18-B-48052-1
Sheet Number: F1 of 4

This document was produced by and/or under my direct supervision.



Revision	Date	Description	By	Ch'd
0	04/07/22	FOR ERECTOR INSTALLATION	AYM	INX
1	05/13/22	REV FOR ERECTOR INSTALLATION	AYM	KSB

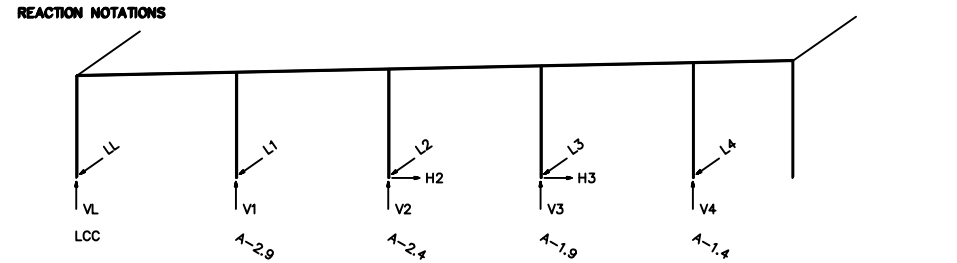
Manufactured By:	METALLIC BUILDING SYSTEMS
	<b>MICHAEL W. CUSTER, P.E.</b>
	642 OAKBEND DRIVE CORPELL, NY 17908 PHONE 872-511-9382
Customer:	STOCKS & TAYLOR CONSTRUCTION INC 1825 CAROLINA AVE WILMINGTON, NC 27803 SELDEN TAYLOR
Drawing Status:	<input type="checkbox"/> Preliminary Construction <input type="checkbox"/> For Approval <input checked="" type="checkbox"/> For Construction Permit <input checked="" type="checkbox"/> For Erector Installation

Scale:	NOT TO SCALE
Drawn by:	AYM 5/13/22
Checked by:	KSB 5/13/22
Project Engineer:	PNG64
Job Number:	18-B-48052-1
Sheet Number:	F2 of 4

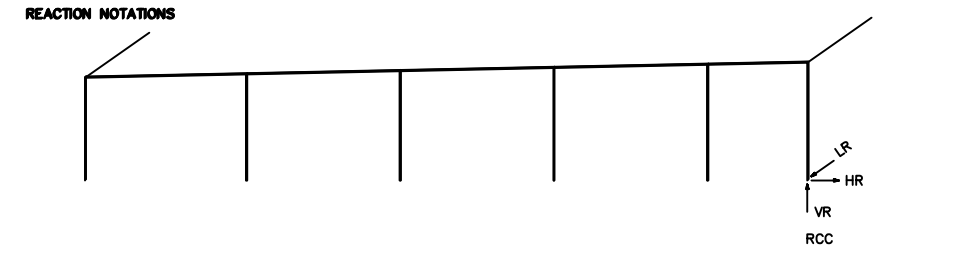
  

This document was produced by and/or under my direct supervision.



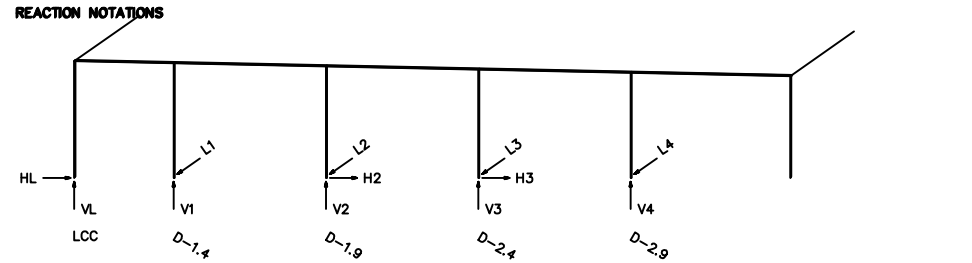
COLUMN	LCC	A-2.9		A-2.4		A-1.9		A-1.4							
LOAD GROUP	HL	VL	LL	H1	V1	L1	H2	V2	L2	H3	V3	L3	H4	V4	L4
D	0.0	0.0	0.0	1.5	-0.1	0.0	1.3	-0.1	0.0	1.4	-0.1	0.0	1.2	-0.1	0.0
C	0.0	0.8	-0.1	0.0	2.1	-0.2	0.0	1.8	-0.1	0.0	1.9	-0.1	0.0	1.7	-0.1
L	0.0	2.7	-0.2	0.0	6.8	-0.5	0.0	5.8	-0.4	0.0	6.2	-0.4	0.0	5.4	-0.4
S	0.0	2.0	-0.1	0.0	5.0	-0.4	0.0	4.2	-0.3	0.0	4.6	-0.3	0.0	4.0	-0.3
SBAL	0.0	1.1	-0.1	0.0	2.9	-0.2	0.0	2.5	-0.2	0.0	2.7	-0.2	0.0	2.3	-0.2
DR	0.0	1.2	-0.1	0.0	2.9	-0.2	0.0	2.5	-0.2	0.0	2.6	-0.2	0.0	2.4	-0.2
W+	0.0	-6.5	-0.1	0.0	-15.7	5.6	0.0	-13.3	5.7	0.0	-14.3	6.0	0.0	-12.6	5.3
W-	0.0	-6.5	1.0	0.0	-15.7	-4.1	0.0	-13.3	-4.5	0.0	-14.3	-4.8	0.0	-12.6	-4.2
WR	0.0	-6.5	0.5	0.0	-15.7	1.1	0.0	-8.6	0.9	-6.6	-19.0	1.0	0.0	-12.6	0.8
WL	0.0	-6.5	0.5	0.0	-15.7	1.1	4.5	-16.6	0.9	0.0	-11.0	1.0	0.0	-12.6	0.8
E+	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0
E-	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	-0.2	0.0	0.0	-0.2	0.0	0.0	-0.2	0.0
ER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	-0.5	-0.4	0.0	0.0	0.0	0.0
EL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	-0.4	0.0	0.4	0.0	0.0	0.0	0.0

LOAD GROUP DESCRIPTION:  
 D : Dead load  
 C : Collateral load  
 L : Live load  
 S : Design snow load  
 SBAL : Balanced roof snow  
 DR : Drift snow  
 W+ : Wind load as an inward acting pressure  
 W- : Wind load as an outward acting suction  
 WR : Wind force from the right  
 WL : Wind force from the left  
 E+ : Seismic force acting inward  
 E- : Seismic force acting outward  
 ER : Seismic force from right  
 EL : Seismic force from left



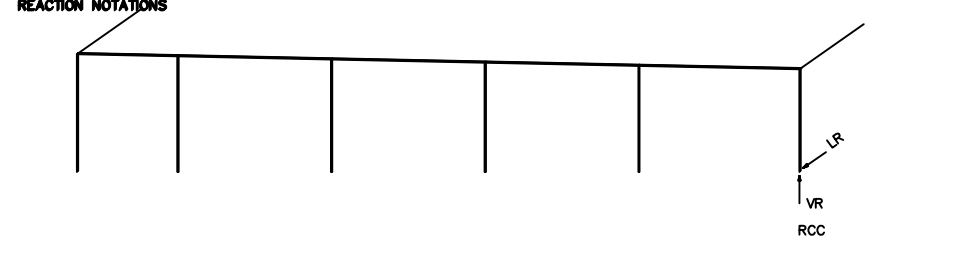
COLUMN	LCC	RCC	
LOAD GROUP	HR	VR	LR
D	0.0	0.6	0.0
C	0.0	0.4	0.0
L	0.0	1.4	0.0
S	0.0	1.0	0.0
SBAL	0.0	0.6	0.0
DR	0.0	1.0	0.0
W+	0.1	-19.8	25.7
W-	0.1	12.9	0.0
WR	0.1	-3.5	0.0
WL	0.1	-3.5	0.0
E+	0.0	-1.2	2.0
E-	0.0	1.2	0.0
ER	0.0	0.0	0.0
EL	0.0	0.0	0.0

LOAD GROUP DESCRIPTION:  
 D : Dead load  
 C : Collateral load  
 L : Live load  
 S : Design snow load  
 SBAL : Balanced roof snow  
 DR : Drift snow  
 W+ : Wind load as an inward acting pressure  
 W- : Wind load as an outward acting suction  
 WR : Wind force from the right  
 WL : Wind force from the left  
 E+ : Seismic force acting inward  
 E- : Seismic force acting outward  
 ER : Seismic force from right  
 EL : Seismic force from left



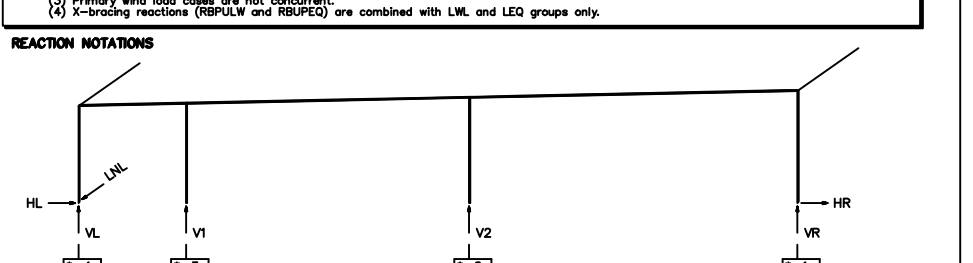
COLUMN	LCC	D-1.4		D-1.9		D-2.4		D-2.9							
LOAD GROUP	HL	VL	LL	H1	V1	L1	H2	V2	L2	H3	V3	L3	H4	V4	L4
D	0.0	0.5	0.0	0.0	1.2	-0.1	0.0	1.4	-0.1	0.0	1.3	-0.1	0.0	1.5	-0.1
C	0.0	0.4	0.0	0.0	1.7	-0.1	0.0	1.9	-0.1	0.0	1.8	-0.1	0.0	2.1	-0.1
L	0.0	1.4	0.0	0.0	5.4	-0.4	0.0	6.2	-0.4	0.0	5.8	-0.4	0.0	6.8	-0.5
S	0.0	1.0	0.0	0.0	4.0	-0.3	0.0	4.6	-0.3	0.0	4.2	-0.3	0.0	5.0	-0.4
SBAL	0.0	0.6	0.0	0.0	2.3	-0.2	0.0	2.7	-0.2	0.0	2.5	-0.2	0.0	2.9	-0.2
DR	0.0	1.0	0.0	0.0	2.4	-0.2	0.0	2.6	-0.2	0.0	2.5	-0.2	0.0	2.9	-0.2
W+	-0.1	-3.5	0.0	0.0	-12.6	5.3	0.0	-14.3	6.0	0.0	-13.3	5.7	0.0	-15.7	5.6
W-	-0.1	-3.5	0.0	0.0	-12.6	-4.2	0.0	-14.3	-4.8	0.0	-13.3	-4.5	0.0	-15.7	-4.1
WR	-0.1	-3.5	0.0	0.0	-12.6	0.8	0.0	-11.0	1.0	-4.5	-16.6	0.9	0.0	-15.7	1.1
WL	-0.1	-3.5	0.0	0.0	-12.6	0.8	6.6	-19.0	1.0	0.0	-8.6	0.9	0.0	-15.7	1.1
E+	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0
E-	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	-0.2	0.0	0.0	-0.2	0.0	0.0	-0.2	0.0
ER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	-0.5	-0.4	0.0	0.0	0.0	0.0
EL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	-0.4	0.0	0.4	0.0	0.0	0.0	0.0

LOAD GROUP DESCRIPTION:  
 D : Dead load  
 C : Collateral load  
 L : Live load  
 S : Design snow load  
 SBAL : Balanced roof snow  
 DR : Drift snow  
 W+ : Wind load as an inward acting pressure  
 W- : Wind load as an outward acting suction  
 WR : Wind force from the right  
 WL : Wind force from the left  
 E+ : Seismic force acting inward  
 E- : Seismic force acting outward  
 ER : Seismic force from right  
 EL : Seismic force from left



COLUMN	LCC	RCC	
LOAD GROUP	HR	VR	LR
D	0.0	0.6	0.0
C	0.0	0.6	-0.1
L	0.0	2.7	-0.2
S	0.0	2.0	-0.1
SBAL	0.0	1.1	-0.1
DR	0.0	1.2	-0.1
W+	0.0	-6.5	-0.1
W-	0.0	-6.5	1.0
WR	0.0	-6.5	0.5
WL	0.0	-6.5	0.5
E+	0.0	0.0	0.0
E-	0.0	0.0	0.0
ER	0.0	0.0	0.0
EL	0.0	0.0	0.0

LOAD GROUP DESCRIPTION:  
 D : Dead load  
 C : Collateral load  
 L : Live load  
 S : Design snow load  
 SBAL : Balanced roof snow  
 DR : Drift snow  
 W+ : Wind load as an inward acting pressure  
 W- : Wind load as an outward acting suction  
 WR : Wind force from the right  
 WL : Wind force from the left  
 E+ : Seismic force acting inward  
 E- : Seismic force acting outward  
 ER : Seismic force from right  
 EL : Seismic force from left



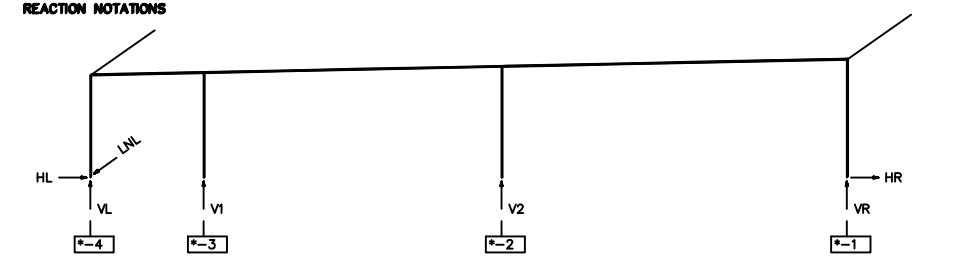
COLUMN	*-4		*-1		*-3		*-2					
LOAD GROUP	HL	VL	LNL	HR	VR	LNR	H1	V1	LH1	H2	V2	LH2
DL	0.1	0.8	0.0	-0.1	12.6	0.0	0.0	4.2	0.0	0.0	6.8	0.0
COLL	0.5	1.1	0.0	-0.3	3.4	0.0	0.0	4.4	0.0	0.0	8.7	0.0
PSL1	0.1	1.9	0.0	-0.1	0.1	0.0	-0.0	1.9	0.0	-0.0	-0.1	0.0
PSL2	-0.5	-2.1	0.0	0.5	-0.7	0.0	-0.0	6.9	0.0	-0.0	5.6	0.0
PSL3	1.1	1.7	0.0	-1.1	5.5	0.0	0.0	-2.8	0.0	0.0	6.7	0.0
PSLR1	-0.1	-0.1	0.0	0.1	0.7	0.0	-0.0	0.1	0.0	-0.0	-0.1	0.0
PLL1	0.2	3.6	0.0	-0.2	0.1	0.0	-0.0	3.7	0.0	-0.0	-0.3	0.0
PLL2	-1.0	-4.0	0.0	1.0	-1.4	0.0	-0.0	13.3	0.0	-0.0	10.9	0.0
PLL3	2.2	3.3	0.0	-2.2	10.5	0.0	0.0	-5.1	0.0	0.0	13.0	0.0
PLLR1	-0.1	-0.1	0.0	0.1	1.1	0.0	-0.0	0.1	0.0	-0.0	-0.1	0.0
LL	1.3	2.8	0.0	-1.3	10.3	0.0	0.0	11.9	0.0	0.0	23.5	0.0
SNOW	1.2	2.5	0.0	-1.2	8.9	0.0	0.0	10.6	0.0	0.0	20.9	0.0
RBDWEQ	-0.0	1.0	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0
EQ	-0.5	-0.6	0.0	-1.0	0.4	0.0	-0.0	0.8	0.0	-0.0	-0.5	0.0
RBUPEQ	0.0	-1.0	-1.9	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
WL1	-5.6	-7.3	0.0	-6.1	-10.2	0.0	-0.0	-22.0	0.0	-0.0	-36.1	0.0
WL2	-6.8	-4.7	0.0	-5.5	-2.2	0.0	-0.0	-12.0	0.0	-0.0	-15.4	0.0
WL3	3.8	-1.5	0.0	11.8	-24.9	0.0	0.0	-17.6	0.0	0.0	-32.2	0.0
WL4	2.6	1.1	0.0	12.4	-18.9	0.0	0.0	-7.8	0.0	0.0	-12.6	0.0
LWL1	2.1	-5.4	0.0	-2.4	-12.0	0.0	-0.0	-24.6	0.0	-0.0	-32.5	0.0

LOAD GROUP DESCRIPTION:  
 DL : Roof Dead Load  
 COLL : Roof Collateral Load  
 PSL1 : Pattern Snow Load [PSLx]  
 PSL2 : Pattern Snow Load [PSLx]  
 PSL3 : Pattern Snow Load [PSLx]  
 PSLR1 : Pattern Snow Load Right Leanto/Canopy [PSLRx]  
 PLL1 : Pattern Live Load [PLLx]  
 PLL2 : Pattern Live Load [PLLx]  
 PLL3 : Pattern Live Load [PLLx]  
 PLLR1 : Pattern Live Load Right Leanto/Canopy [PLLRx]  
 LL : Roof Live Load  
 SNOW : Roof Snow Load  
 RBDWEQ : Downward Acting Rod Brace Load from Long. Seismic  
 EQ : Lateral Seismic Load [parallel to plane of frame]  
 RBUPEQ : Upward Acting Rod Brace Load from Long. Seismic  
 WL1 : Wind from Left to Right with +Gcpi  
 WL2 : Wind from Left to Right with -Gcpi  
 WL3 : Wind from Right to Left with +Gcpi  
 WL4 : Wind from Right to Left with -Gcpi  
 LWL1 : Windward Corner Left with +Gcpi

NOTES  
 1) THE REACTIONS PROVIDED ARE BASED ON THE ORDER DOCUMENTS AT THE TIME OF MAILING. ANY CHANGES TO BUILDING LOADS OR DIMENSIONS MAY CHANGE THE REACTIONS. THE REACTIONS WILL BE SUPERSEDED AND VOIDED BY ANY FUTURE MAILING.  
 2) THE REACTIONS PROVIDED HAVE BEEN CREATED WITH THE FOLLOWING LAYOUT (UNLESS NOTED OTHERWISE).  
 a) A REACTION TABLE IS PROVIDED WITH THE REACTIONS FOR EACH LOAD GROUP.  
 b) RIGID FRAME:  
 (1) GABLED BUILDINGS  
 (a) LEFT AND RIGHT COLUMNS ARE DETERMINED AS IF VIEWING THE LEFT SIDE OF THE BUILDING, AS SHOWN ON THE ANCHOR ROD DRAWING, FROM THE OUTSIDE OF THE BUILDING.  
 (b) INTERIOR COLUMNS ARE SPACED FROM LEFT SIDE TO RIGHT SIDE.  
 (2) SINGLE SLOPE BUILDINGS  
 (a) LEFT COLUMN IS THE LOW SIDE COLUMN.  
 (b) RIGHT COLUMN IS THE HIGH SIDE COLUMN.  
 (c) INTERIOR COLUMNS ARE SPACED FROM LOW SIDE TO HIGH SIDE.  
 c) ENDWALLS  
 (1) LEFT AND RIGHT COLUMNS ARE DETERMINED AS IF VIEWING THE WALL FROM THE OUTSIDE.  
 (2) INTERIOR COLUMNS ARE SPACED FROM LEFT TO RIGHT.  
 d) ANCHOR ROD SIZE IS DETERMINED BY SHEAR AND TENSION AT THE BOTTOM OF THE BASE PLATE. THE LENGTH OF THE ANCHOR ROD AND METHOD OF LOAD TRANSFER TO THE FOUNDATION ARE TO BE DETERMINED BY THE FOUNDATION ENGINEER.  
 e) ANCHOR RODS ARE ASTM F1554 Gr. 36 MATERIAL UNLESS NOTED OTHERWISE ON THE ANCHOR ROD LAYOUT DRAWING.  
 f) X-BRACING  
 (1) ROD BRACING REACTIONS HAVE BEEN INCLUDED IN VALUES SHOWN IN THE REACTION TABLES.  
 (2) FOR IBC AND UBC BASED BUILDING CODES, WHEN X-BRACING IS PRESENT IN THE SIDEWALL, INDIVIDUAL LONGITUDINAL SEISMIC LOADS (RBUPEQ & RBDWEQ) DO NOT INCLUDE THE AMPLIFICATION FACTOR, I<sub>ps</sub>.  
 (3) FOR CANADA BUILDING CODE (NBC), WHEN X-BRACING IS PRESENT IN THE SIDEWALL OR ENDWALL, INDIVIDUAL LONGITUDINAL SEISMIC LOADS (RBUPEQ & RBDWEQ) ARE MULTIPLIED BY FORCE REDUCTION FACTOR, R<sub>d</sub>, WHEN SPECIFIED SHORT-PERIOD SPECTRAL ACCELERATION RATIO I<sub>f</sub> ≤ 0.2 IS GREATER THAN 0.45.  
 3) REACTIONS ARE PROVIDED AS UN-FACTORED FOR EACH LOAD GROUP APPLIED TO THE COLUMN. THE FOUNDATION ENGINEER WILL APPLY THE APPROPRIATE LOAD FACTORS AND COMBINE THE REACTIONS IN ACCORDANCE WITH THE BUILDING CODE AND DESIGN SPECIFICATIONS TO DETERMINE BEARING PRESSURES AND CONCRETE DESIGN. THE FACTORS APPLIED TO LOAD GROUPS FOR THE STEEL COLUMN DESIGN MAY BE DIFFERENT THAN THE FACTORS USED IN THE FOUNDATION DESIGN.  
 a) FOR PROJECTS USING ULTIMATE DESIGN WIND SPEEDS SUCH AS 2012 IBC, 2015 IBC, OR FLORIDA BUILDING CODE, THE WIND LOAD REACTIONS ARE AT A STRENGTH VALUE WITH A LOAD FACTOR OF 1.0.  
 b) FOR IBC CODES, THE SEISMIC REACTIONS PROVIDED ARE AT A STRENGTH LEVEL AND DO NOT CONTAIN THE RHO FACTOR.  
 c) FOR NBCC CODES, THE SEISMIC REACTIONS PROVIDED DO NOT CONTAIN THE R<sub>e</sub>R<sub>o</sub> FACTOR.  
 THE MANUFACTURER DOES NOT PROVIDE "MAXIMUM" LOAD COMBINATION REACTIONS. HOWEVER, THE INDIVIDUAL LOAD REACTIONS PROVIDED MAY BE USED BY THE FOUNDATION ENGINEER TO DETERMINE THE APPLICABLE LOAD COMBINATIONS FOR HIS/HER DESIGN PROCEDURES AND ALLOW FOR AN ECONOMICAL FOUNDATION DESIGN.

By	AYM	NXS
Date	04/07/22	FOR ERECTOR INSTALLATION
Revision	0	
Manufacturer By:	METALLIC BUILDING SYSTEMS <b>MICHAEL W. CUSTER, P.E.</b> 447 OAKBEND DRIVE CORPELL, NY 17508 PHONE 972-371-7582	
Customer:	STOCKS & TAYLOR CONSTRUCTION INC 1825 CAROLINA AVE WILKINSON, NC 27899-3369 US SELDEN TAYLOR	
Project Name & Location:	STOCKS & TAYLOR CONSTRUCTION, INC. CURRITUCK, NC 27929 US	
Scale:	NOT TO SCALE	
Drawn by:	AYM 4/7/22	
Checked by:	NXS 4/7/22	
Project Engineer:	PNG64	
Job Number:	18-B-48052-1	
Sheet Number:	F3 of 4	
Drawing Status: <input type="checkbox"/> Preliminary Construction <input type="checkbox"/> For Approval <input checked="" type="checkbox"/> For Erector Installation		
This document was produced by and/or under my direct supervision.		

**SUPPORT REACTIONS FOR EACH LOAD GROUP**  
 \*LOCATION: Gridlines B C  
 NOTES: (1) All reactions are in kips and kip-ft.  
 (2) The seismic overstrength factor (Omega) is not included in the "RBDWEQ" and "RBUPEQ" Load Group reactions.  
 (3) Seismic "BASE-DRAW" combination reactions include an overstrength factor of: 2.500  
 (4) Primary wind load cases are not concurrent.  
 (5) X-bracing reactions (RBPULW and RBUPEQ) are combined with LWL and LEQ load groups only.



**LOAD GROUP REACTION TABLE GRIDLINES \* = B C**

LOAD GROUP	HL	VL	LNL	HR	VR	LNR	H1	V1	LH1	H2	V2	LH2
RBUPLW	0.1	-11.1	-22.8	-0.1	0.0	0.0	-0.0	0.0	0.0	-0.0	-0.1	0.0
LWL2	0.5	-6.7	0.0	-0.8	-20.8	0.0	-0.0	-11.2	0.0	-0.0	-36.6	0.0
LWL3	0.9	-2.9	0.0	-1.8	-3.4	0.0	-0.0	-14.6	0.0	-0.0	-12.9	0.0
LWL4	-0.8	-4.2	0.0	-0.1	-12.0	0.0	-0.0	-1.2	0.0	-0.0	-17.0	0.0
SBAL	0.7	1.4	0.0	-0.7	5.3	0.0	0.0	6.2	0.0	0.0	12.2	0.0
DSNW	0.0	0.1	0.0	-0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.6	0.0
DSNR	-0.2	-0.2	0.0	0.2	4.0	0.0	-0.0	0.3	0.0	-0.0	-0.2	0.0
RBDWLW	-0.0	9.3	0.0	0.0	-0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

**LOAD GROUP DESCRIPTION**  
 RBUPLW : Upward Acting Rod Brace Load from Long. Wind  
 LWL2 : Windward Corner Right with +GCpl  
 LWL3 : Windward Corner Left with -GCpl  
 LWL4 : Windward Corner Right with -GCpl  
 SBAL : Code Calculated Balanced Roof Snow Load  
 DSNW : Drifting Snow  
 DSNR : Drifting Snow Right  
 RBDWLW : Downward Acting Rod Brace Load from Long. Wind

**ADDITIONAL NOTES**  
 ( 1 ) Pattern live or snow load cases are not concurrent with any other live or snow load cases.

**SUPPORT REACTIONS FOR EACH LOAD GROUP**  
 NOTE: All reactions are in kips and kip-ft.



**LOAD GROUP REACTION TABLE**

LOAD GROUP	H1	V1	L1	H1	V1	L1
D	0.0	0.323	0.0	0.0	0.323	0.0
W+	-3.468	0.0	0.0	-3.468	0.0	0.0
W-	3.834	0.0	0.0	3.834	0.0	0.0
WL	0.0	-14.50	0.00	0.0	-14.50	0.00
WR	0.0	12.47	8.72	0.0	12.47	8.72
E1	0.0	1.41	0.00	0.0	1.41	0.00
ER	0.0	-1.41	0.98	0.0	-1.41	0.98

**LOAD GROUP DESCRIPTION**  
 D : DEAD LOAD  
 W+ : WIND LOAD AS AN INWARD ACTING PRESSURE  
 W- : WIND LOAD AS AN OUTWARD ACTING SUCTION  
 E+ : EARTHQUAKE FORCE ACTING INWARD  
 E- : EARTHQUAKE FORCE ACTING OUTWARD  
 WR : Wind force from the right  
 WL : Wind force from the left  
 ER : Seismic force from right  
 EL : Seismic force from left

**NOTES**

- THE REACTIONS PROVIDED ARE BASED ON THE ORDER DOCUMENTS AT THE TIME OF MAILING. ANY CHANGES TO BUILDING LOADS OR DIMENSIONS MAY CHANGE THE REACTIONS. THE REACTIONS WILL BE SUPERSEDED AND VOIDED BY ANY FUTURE MAILING.
- THE REACTIONS PROVIDED HAVE BEEN CREATED WITH THE FOLLOWING LAYOUT (UNLESS NOTED OTHERWISE).
  - A REACTION TABLE IS PROVIDED WITH THE REACTIONS FOR EACH LOAD GROUP.
  - RIGID FRAMES
    - GABLED BUILDINGS
      - LEFT AND RIGHT COLUMNS ARE DETERMINED AS IF VIEWING THE LEFT SIDE OF THE BUILDING, AS SHOWN ON THE ANCHOR ROD DRAWING, FROM THE OUTSIDE OF THE BUILDING.
      - INTERIOR COLUMNS ARE SPACED FROM LEFT SIDE TO RIGHT SIDE.
    - SINGLE SLOPE BUILDINGS
      - LEFT COLUMN IS THE LOW SIDE COLUMN.
      - RIGHT COLUMN IS THE HIGH SIDE COLUMN.
      - INTERIOR COLUMNS ARE SPACED FROM LOW SIDE TO HIGH SIDE.
  - ENDWALLS
    - LEFT AND RIGHT COLUMNS ARE DETERMINED AS IF VIEWING THE WALL FROM THE OUTSIDE.
    - INTERIOR COLUMNS ARE SPACED FROM LEFT TO RIGHT.
  - ANCHOR ROD SIZE IS DETERMINED BY SHEAR AND TENSION AT THE BOTTOM OF THE BASE PLATE. THE LENGTH OF THE ANCHOR ROD AND METHOD OF LOAD TRANSFER TO THE FOUNDATION ARE TO BE DETERMINED BY THE FOUNDATION ENGINEER.
  - ANCHOR RODS ARE ASTM F1554 Gr. 36 MATERIAL UNLESS NOTED OTHERWISE ON THE ANCHOR ROD LAYOUT DRAWING.
- X-BRACING
  - ROD BRACING REACTIONS HAVE BEEN INCLUDED IN VALUES SHOWN IN THE REACTION TABLES.
  - FOR IBC AND UBC BASED BUILDING CODES, WHEN X-BRACING IS PRESENT IN THE SIDEWALL, INDIVIDUAL LONGITUDINAL SEISMIC LOADS (RBUPEQ AND RBDWEQ) DO NOT INCLUDE THE AMPLIFICATION FACTOR,  $r_b$ .
  - FOR CANADA BUILDING CODE (NBC), WHEN X-BRACING IS PRESENT IN THE SIDEWALL OR ENDWALL, INDIVIDUAL LONGITUDINAL SEISMIC LOADS (RBUPEQ & RBDWEQ) ARE MULTIPLIED BY FORCE REDUCTION FACTOR,  $R_d$ , WHEN SPECIFIED SHORT-PERIOD SPECTRAL ACCELERATION RATIO ( $r_s \leq 0.2$ ) IS GREATER THAN 0.45.
- REACTIONS ARE PROVIDED AS UN-FACTORED FOR EACH LOAD GROUP APPLIED TO THE COLUMN. THE FOUNDATION ENGINEER WILL APPLY THE APPROPRIATE LOAD FACTORS AND COMBINE THE REACTIONS IN ACCORDANCE WITH THE BUILDING CODE AND DESIGN SPECIFICATIONS TO DETERMINE BEARING PRESSURES AND CONCRETE DESIGN. THE FACTORS APPLIED TO LOAD GROUPS FOR THE STEEL COLUMN DESIGN MAY BE DIFFERENT THAN THE FACTORS USED IN THE FOUNDATION DESIGN.
  - FOR PROJECTS USING ULTIMATE DESIGN WIND SPEEDS SUCH AS 2012 IBC, 2015 IBC, OR FLORIDA BUILDING CODE, THE WIND LOAD REACTIONS ARE AT A STRENGTH VALUE WITH A LOAD FACTOR OF 1.0.
  - FOR IBC CODES, THE SEISMIC REACTIONS PROVIDED ARE AT A STRENGTH LEVEL AND DO NOT CONTAIN THE RHO FACTOR.
  - FOR NBCC CODES, THE SEISMIC REACTIONS PROVIDED DO NOT CONTAIN THE  $R_d R_o$  FACTOR.

THE MANUFACTURER DOES NOT PROVIDE "MAXIMUM" LOAD COMBINATION REACTIONS. HOWEVER, THE INDIVIDUAL LOAD REACTIONS PROVIDED MAY BE USED BY THE FOUNDATION ENGINEER TO DETERMINE THE APPLICABLE LOAD COMBINATIONS FOR HIS/HER DESIGN PROCEDURES AND ALLOW FOR AN ECONOMICAL FOUNDATION DESIGN.

By	Ch'd	AYM	NXS

Date	Revision	Description
04/07/22	0	FOR ERECTOR INSTALLATION

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
 842 OAKBEND DRIVE  
 CORPELL, TX 75908  
 PHONE 972-571-7582

Customer: STOCKS & TAYLOR CONSTRUCTION INC  
 1825 CAROLINA AVE  
 WASHINGTON, NC 27889-3369 US  
 SELDEN TAYLOR

Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC.  
 NC HWY 168  
 CURRITUCK, NC 27929 US

Drawing Status:  Preliminary Construction  For Approval  For Erection/Installation

Scale: NOT TO SCALE  
 Drawn by: AYM 4/7/22  
 Checked by: NXS 4/7/22  
 Project Engineer: PNG64  
 Job Number: 18-B-48052-1  
 Sheet Number: F4 of 4

This document was produced by and/or under my direct supervision.

**Builder/Contractor Responsibilities**

**Drawing Validity** – These drawings, supporting structural calculations and design certification are based on the order documents as of the date of these drawings. These documents describe the material supplied by the manufacturer as of the date of these drawings. Any changes to the order documents after the date on these drawings may void these drawings, supporting structural calculations and design certification. The Builder/Contractor is responsible for notifying the building authority of all changes to the order documents which result in changes to the drawings, supporting structural calculations and design certification.

**Builder Acceptance of Drawings** – Approval of the manufacturer's drawings and design data affirms that the manufacturer has correctly interpreted and applied the requirements of the order documents and constitutes Builder/Contractor acceptance of the manufacturer's interpretations of the order documents and standard product specifications, including its design, fabrication and quality criteria standards and tolerances. (AISC COSP April 2010 Section 4.4.1)

**Code Official Approval** – It is the responsibility of the Builder/Contractor to ensure that all project plans and specifications comply with the applicable requirements of any governing building authority. The Builder/Contractor is responsible for securing all required approvals and permits from the appropriate agency as required.

**Building Erection** – The Builder/Contractor is responsible for all erection of the steel and associated work in compliance with the Metal Building Manufacturers drawings. Temporary supports, such as temporary guys, braces, false work or other elements required for erection will be determined, furnished and installed by the erector (AISC COSP April 2010 Section 7.10.3).

**Discrepancies** – Where discrepancies exist between the Metal Building plans and plans for other trades, the Metal Building plans will govern. (AISC COSP April 2010 Section 3.3)

**Materials by Others** – All interface and compatibility of any materials not furnished by the manufacturer are the responsibility of and to be coordinated by the Builder/Contractor or A/E firm. Unless specific design criteria concerning any interface between materials if furnished as a part of the order documents, the manufacturers assumptions will govern.

**Modification of the Metal Building from Plans** – The Metal Building supplied by the manufacturer has been designed according to the Building Code and specifications and the loads shown on this drawing. Modification of the building configuration, such as removing wall panels or braces, from that shown on these plans could affect the structural integrity of the building. The Metal Building Manufacturer or a Licensed Structural Engineer should be consulted prior to making any changes to the building configuration shown on these drawings. The Metal Building Manufacturer will assume no responsibility for any loads applied to the building not indicated on these drawings.

**Foundation Design**  
The Metal Building Manufacturer is not responsible for the design, materials and workmanship of the foundation. Anchor rod plans prepared by the manufacturer are intended to show only location, diameter and projection of the anchor rods required to attach the Metal Building System to the foundation. It is the responsibility of the end customer to ensure that adequate provisions are made for specifying rod embedment, bearing values, tie rods and or other associated items embedded in the concrete foundation, as well as foundation design for the loads imposed by the Metal Building System, other imposed loads, and the bearing capacity of the soil and other conditions of the building site. (MBMA 06 Sections 3.2.2 and A3)

**Shimming** – "In accordance with Section 6.10 of Chapter 4 Common Industry Practices in the Metal Building Systems Manual, shimming is a normal part of erection and is not subject to claim."

Manufactured By: METALLIC BUILDING SYSTEMS

**MICHAEL W. CUSTER, P.E.**

642 OAKBEND DRIVE  
COPPELL, TX 75019  
PHONE 972-571-7082

**ENGINEERING DESIGN CRITERIA**

Building Code	2018 North Carolina State Building Code
Building Risk Category	Normal (Risk Category II)
Roof Dead Load	3.01 psf
Superimposed	5.00 psf
Collateral	(0.00 psf Ceiling 5.00 psf Other)
Roof Live Load	20.00 psf reduction allowed
Snow	
Ground Snow Load (Pg)	10.00 psf
Snow Load Importance Factor (I)	1.00
Flat Roof Snow Load (PF)	12.00 psf
Snow Exposure Factor (Ce)	1.00
Thermal Factor (Ct)	1.00
Wind	
Ultimate Wind Speed (Vult)	130.00 mph
Nominal Wind Speed (Vasd)	100 mph (IBC section 1609.3.1)
Serviceability Wind Speed	76 mph
Wind Exposure Category	C
Internal Pressure Coef (GCp1)	0.18/-0.18
Wall Loads for components not provided by building manufacturer	
Corner Areas (within 6.96' of corner)	34.78 psf pressure -46.37 psf suction
Other Areas	34.78 psf pressure -37.68 psf suction
These values are the maximum values required based on a 10 sq ft area. Components with larger areas may have lower wind loads.	
Seismic	
Seismic Importance Factor (Ie)	1.00
Seismic Design Category	B
Soil Site Class	D Stiff Soil
Ss	0.088 g
S1	0.047 g
Analysis Procedure	Equivalent Lateral Force
Column Line	All
Basic Force Resisting System	H
Response Modification Coefficient (R)	3.00
Seismic Response Coefficient (Cs)	0.03
Design Base Shear in kips (V)	3.93
Basic Structural System (from ASCE 7-10 Table 12.2-1)	H - Steel System not Specifically Detailed for Seismic Resistance

**PROJECT NOTES**

Material properties of steel bar, plate, and sheet used in the fabrication of built-up structural framing members conform to ASTM A529, ASTM A572, or ASTM A1011 with 55 ksi min. yield, except flanges wider than 12" and thicker than 3/8", all flanges thicker than 1", and all webs thicker than 3/8" are 50 ksi min. yield. Rod X-bracing conforms to ASTM A529 or ASTM A572 with 50 ksi min. yield. Cable X-bracing conforms to ASTM A475 7 Strand Extra High-Strength grade. Hot rolled structural shapes conform to ASTM A992, ASTM A529, or ASTM A572 with 50 ksi min. yield. Hot rolled angles, other than flange braces, conform to ASTM A36 minimum. Round and rectangular HSS conforms to ASTM A500 Grade B. Cold-formed steel secondary framing members conform to ASTM A1011 or ASTM A653 Grade 55 with 55 ksi min. yield. For Canada, material properties conform to CAN/CSA G40.20/G40.21 or equivalent.

All bolted joints with A325 Type 1 bolts are specified as snug-tightened joints in accordance with the most recent edition of the RCSC Specification for Structural Joints Using ASTM A325 or A490 Bolts. Pre-tensioning methods, including turn-of-nut, calibrated wrench, twist-off-type tension-control bolts or direct-tension-indicator are NDT required. Installation inspection requirements for Snug Tight Bolts (Specification for Structural Joints Section 9.1) is suggested.

Design criteria as noted is as given within order documents and is applied in general accordance with the applicable provisions of the model code and/or specification indicated. Neither the metal building manufacturer nor the certifying engineer declares or attests that the loads as designated are proper for local provisions that may apply or for site specific parameters. The design criteria is supplied by the builder, project owner, or an Architect and/or Engineer of Record for the overall construction project.

This metal building system is designed as an Enclosed Building. Exterior and/or operable components including, but not limited to, doors, windows, vents, etc. ("Components") must be designed to withstand the required component and cladding wind pressures specified by the building code. In order to maintain the metal building system's Enclosed Building condition, all Components shall be closed when wind velocities reach half the designed wind load for the metal building system as shown on the drawings and design criteria documentation. Failure to maintain the metal building system's Enclosed Building condition will violate and void all warranties and certifications applicable to the material supplied by the metal building manufacturer.

Framed openings, walk doors, and open areas shall be located in the bay and elevation as shown in the erection drawings. The cutting or removal of girts shown on the erection drawings due to the addition of framed openings, walk doors, or open areas not shown may void the design certifications supplied by the metal building manufacturer.

X-Bracing is to be installed to a taut condition with all slack removed. Do not tighten beyond this state.

Bldg-A Using 7x7 eave gutter with 4 x 5 downspouts, the roof drainage system has been designed using the method outlined in the MBMA Metal Building Systems Manual. Downspout locations have not been located on these drawings. The downspouts are to be placed on the building SVD at a spacing not to exceed 30 feet with the first downspout from both ends of the gutter run within 15 feet of the end. Downspout spacing that does not exceed the maximum spacing will be in compliance with the building code. The gutter and downspout system as provided by the manufacturer is designed to accommodate 6.95 in/hr rainfall intensity. The wall construction by others at building A along lines 1, between B & C grids has a self weight of 15 psf. This weight has been utilized in the design considerations for the building's seismic design.

The support members provided by the metal building manufacturer on building A at 10' ft level along grid line 1 between grids B-C have been designed as Lintel beam and to deflect less than L/600 under dead load of 15 psf.

The design collateral load has been uniformly applied to the design of the building. Hanging loads are to be attached to the purlin web. This may not be appropriate for heavily concentrated loads. Any attached load in excess of 150 pounds shall be accounted for by special design performed by a licensed engineer using concentrated loads and may require separate support members within the roof system.

In accordance with the specified building code, snow drift surcharge loads (Pd) have been applied as follows:  
33.38 psf drift surcharge with a width of 8.75ft at bldg A along grid line 1  
29.81 psf drift surcharge with a width of 7.75 ft at bldg A along grid line A&D  
22.36 psf drift surcharge with a width of 10.41 ft at bldg A, along grid line A&D  
16.77 psf drift surcharge with a width of 8.75 ft at bldg A, along grid line A&D  
14.67 psf drift surcharge with a width of 7.67 ft at bldg A, along grid line 1.

Drawing Index		Ck'd	By	Date	Description	Permit	Installation	Revision
Page	Description							
F1	Anchor Rod							
F2	Anchor Rod Details							
F3-F4	Reaction Drawings							
E1	Cover Sheet							
E2	Primary Steel BLDGA							
E3	Roof Framing BLDGA							
E4	Roof Sheeting							
E5-E6	Sidewall BLDGA WALLSWBs							
E7	Sidewall BLDGA WALLSWD							
E8	Endwall BLDGA WALLEWA							
E9	Endwall BLDGA WALLEWC							
E10	Liner Sheeting BLDGA WALLEWA1							
E11	Liner Sheeting BLDGA WALLSWB1							
E11-E12	Parapet Details							
E12	Parapet Sheeting BLDGA WALLEWA							
E13-E14	Main Frame Cross Sections							
E15	Connection Detail							
R1-R3	Erection Guides							
R4-R12	Construction Drawings							
R13	Trim Profiles							

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
642 OAKBEND DRIVE  
COPPELL, TX 75019  
PHONE 972-571-7082

Project Name & Location:  
STOCKS & TAYLOR CONSTRUCTION INC.  
STOCKS & TAYLOR CONSTRUCTION INC  
1825 CAROLINA AVENUE  
MCKENNA, NC 27889-3369 US  
SELDEN TAYLOR

Customer:  
STOCKS & TAYLOR CONSTRUCTION INC  
1825 CAROLINA AVENUE  
MCKENNA, NC 27889-3369 US  
SELDEN TAYLOR

Drawing Status:  
 (For Primary Construction)  
 (For Approval)  
 (For Construction Permit)  
 (For Erector Installation)

Scale:	NOT TO SCALE
Drawn by:	AYM 4/7/22
Checked by:	JSK 4/7/22
Project Engineer:	PNG64
Job Number:	18-B-48052-1
Sheet Number:	E1 of 17

This document was produced by and/or under my direct supervision.

**DEFLECTION CRITERIA**

The material supplied by the manufacturer has been designed with the following minimum deflection criteria. The actual deflection may be less depending on actual load and actual member length.

BUILDING DEFLECTION LIMITS..... BLDG-A			
	Roof Limits	Rafters	Purlins
	Live:	L/240	240
	Snow:	L/240	240
	Serviceability Wind:	L/240	240
	Total Gravity:	L/180	180
	Total Uplift:	L/180	180
	Frame Limits	Sideway	
	Live:	H/100	
	Snow:	H/100	
	Serviceability Wind:	H/100	
	Seismic Drift:	H/40	
	Total Gravity:	H/100	
	Service Seismic:	H/100	
	Wall Limits	Limit	
	Total Wind Panels:	L/60	
	Total Wind Girts:	L/240	
	Total Wind EW Columns:	L/240	
Lintel Tubes@10	Vertical	L/600	
	Horizontal	L/400	
Lintel Tubes@16.333	Vertical	L/360	
	Horizontal	L/400	

The Service Seismic limit as shown here is at service level loads.



Download panel installation manuals from:  
[www.CBBmanuals.com](http://www.CBBmanuals.com)

Descargue los manuales de instalación del panel desde:  
[www.CBBmanuals.com](http://www.CBBmanuals.com)

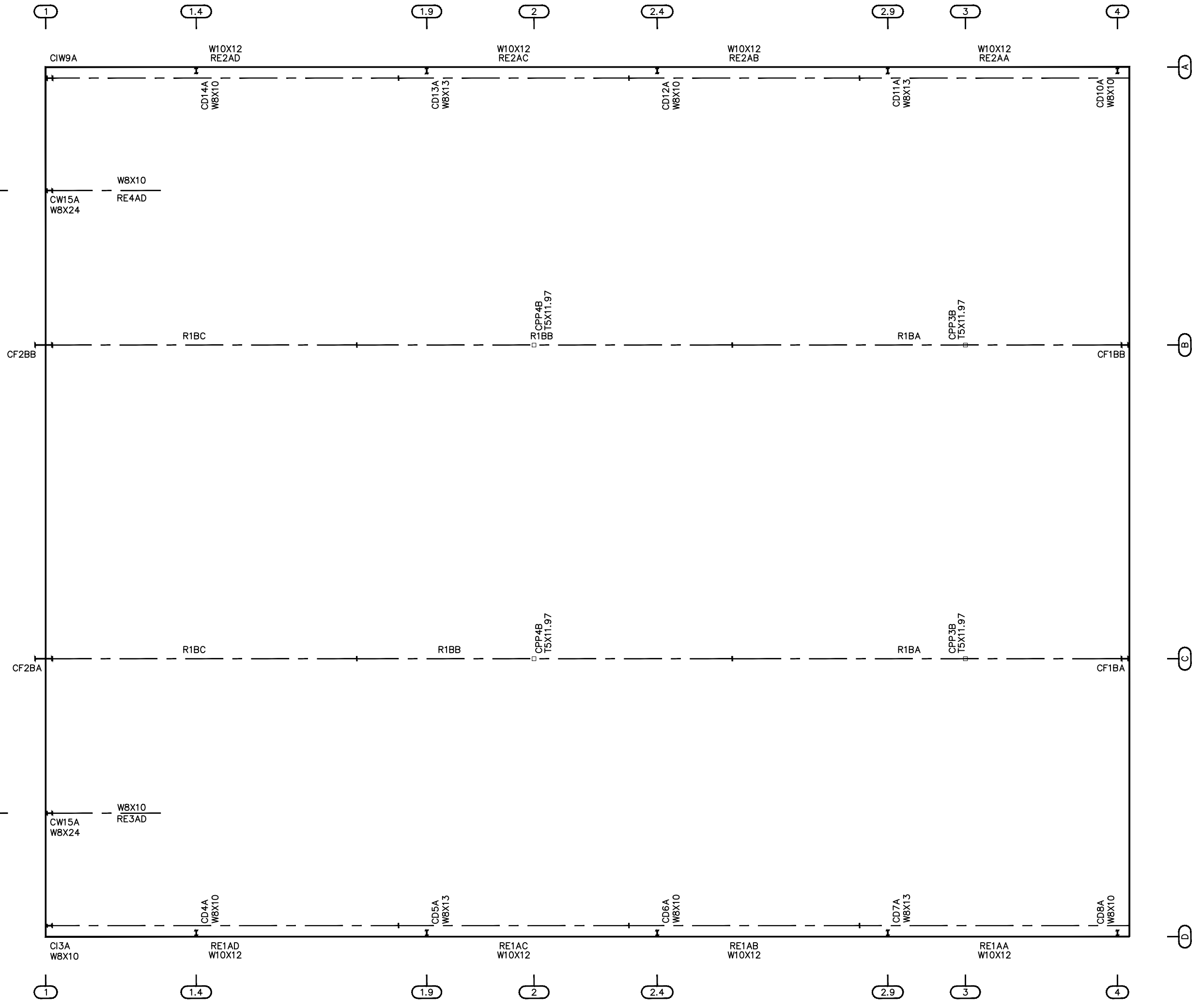
**BUILDING DESCRIPTIONS**

Building ID	Width	Length	Height	Slope
Building A	114'-0"	91'-6"	16'-2 1/2"	±12"

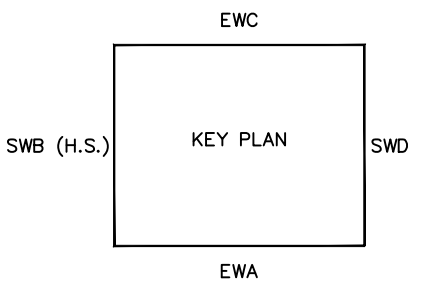
GRIP	LENGTH	BOLT LENGTH
0 TO 9/16"	1 1/4" F.T.	
Over 9/16" TO 1 1/16"	1 3/4" F.T.	
Over 1 1/16" TO 1 5/16"	2"	
Over 1 5/16" TO 1 9/16"	2 1/4"	
Over 1 9/16" TO 1 13/16"	2 1/2"	
Over 1 13/16" TO 2 1/16"	2 3/4"	

NOTE: FULL THREAD ENGAGEMENT IS DEEMED TO HAVE BEEN MET WHEN THE END OF THE BOLT IS FLUSH WITH THE FACE OF THE NUT.

WASHER REQUIRED ONLY WHEN SPECIFIED. WASHER MAY BE LOCATED UNDER HEAD OF BOLT, UNDER NUT, OR AT BOTH AT LOCATIONS NOTED ON ERECTION DRAWINGS. ADD 5/32" FOR EACH WASHER TO MATERIAL THICKNESS TO DETERMINE GRIP.



PRIMARY STEEL LOCATION PLAN



Revision	Date	Description	By	Ck'd
A	04/07/22	FOR CONSTRUCTION PERMIT	AYM	NXS
0	05/09/22	FOR ERECTOR INSTALLATION	AYM	JSK

Manufactured By: METALLIC BUILDING SYSTEMS <b>MICHAEL W. CUSTER, P.E.</b> 642 OAKBEND DRIVE CORPELL, TX 75908 PHONE 972-571-9982	Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC. STOCKS & TAYLOR CONSTRUCTION, INC. NC HWY 168 CURRITUCK, NC 27929 US
Customer: STOCKS & TAYLOR CONSTRUCTION INC 1825 CAROLINA AVENUE WASHINGTON, NC 27889-3369 US SELDEN TAYLOR	Drawing Status: <input type="checkbox"/> For Approval <input type="checkbox"/> For Construction <input type="checkbox"/> For Construction Permit <input checked="" type="checkbox"/> For Erector Installation

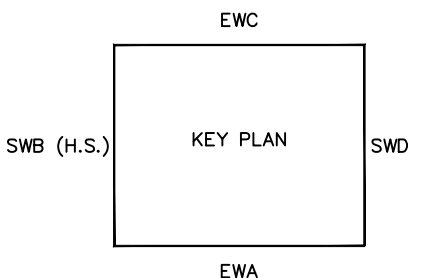
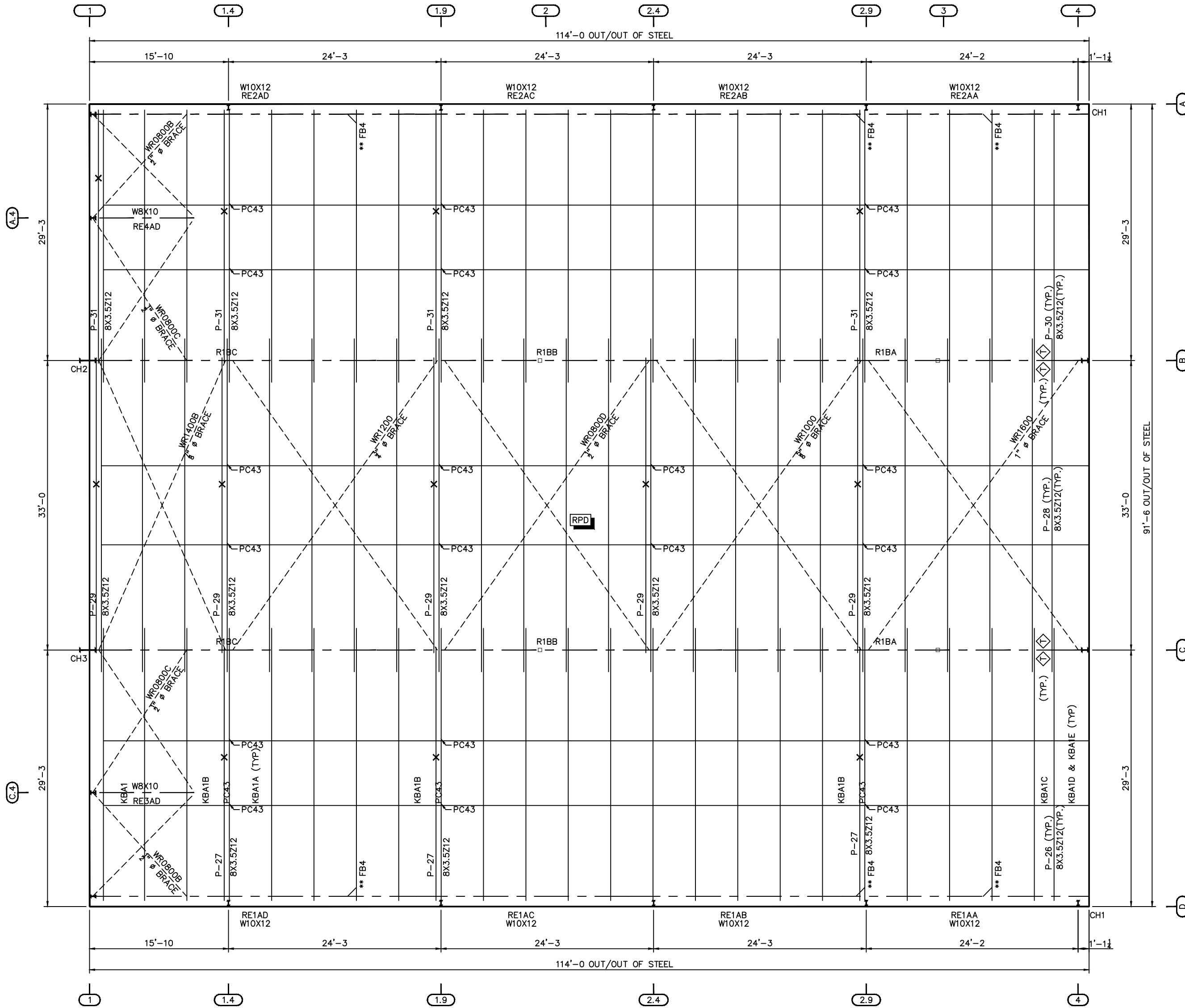
Scale:	NOT TO SCALE
Drawn by:	AYM 4/7/22
Checked by:	JSK 4/7/22
Project Engineer:	PNG64
Job Number:	18-B-48052-1
Sheet Number:	E2 of 17

This document was produced by and/or under my direct supervision.

—X— DENOTES: DOUBLE PURLIN OR GIRT STRUT.  
REFER TO PFO4022 FOR CONNECTION AND  
PANEL ATTACHMENT NOTES 1 & 2.

\*\* DENOTES: CLIPS AT FLANGE BRACE  
CL196 & CL199 AT 8" PURLINS/GIRTS  
CL197 & CL199 AT 10" PURLINS/GIRTS  
CL198 & CL199 AT 12" PURLINS/GIRTS



ZEE SECTION LAP TABLE			
SYMBOL	LAP LENGTH	SYMBOL	LAP LENGTH
◊	0'-0 1/4"	◊	2'-5 3/4"
◊	0'-3 3/4"	◊	3'-1 1/4"
◊	1'-5 3/4"	◊	REFER TO CF01122

ROOF FRAMING PLAN

Revision	Date	Description
A	04/07/22	FOR CONSTRUCTION PERMIT
0	05/09/22	FOR ERECTOR INSTALLATION

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
 442 OAKBROOK DRIVE  
 CORPELL, TX 75908  
 PHONE 972-371-7082

Customer: STOCKS & TAYLOR CONSTRUCTION INC  
 1825 CAROLINA AVENUE  
 WASHINGTON, NC 27889-3369 US  
 SELDEN TAYLOR

Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC.  
 NC HWY 168  
 CURRITUCK, NC 27929 US

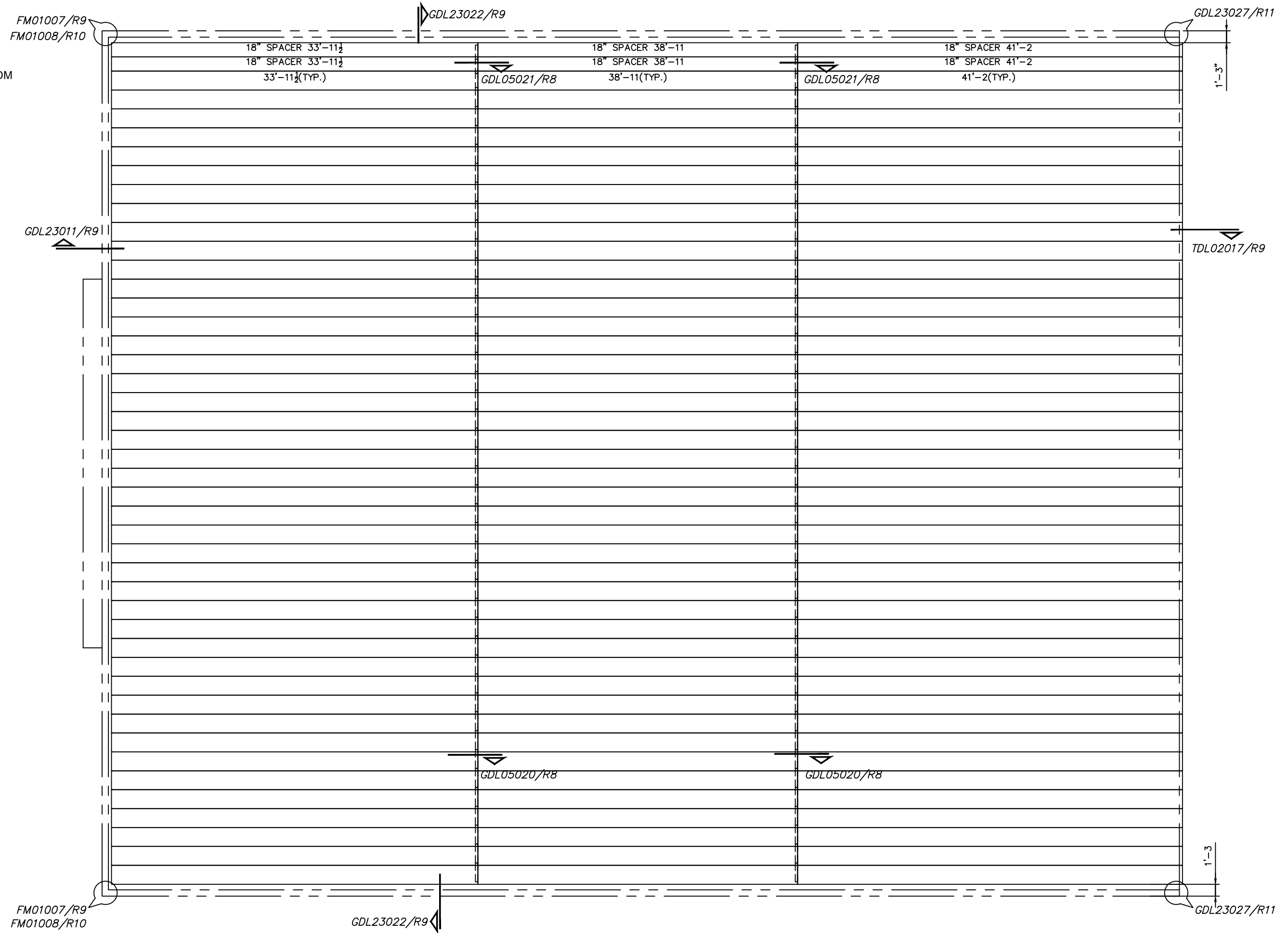
Drawing Status:  For Approval  For Construction  For Erector Installation

Scale: NOT TO SCALE  
 Drawn by: AYM 4/7/22  
 Checked by: JSK 4/7/22  
 Project Engineer: PNG64  
 Job Number: 18-B-48052-1  
 Sheet Number: E3 of 17

This document was produced by and/or under my direct supervision.

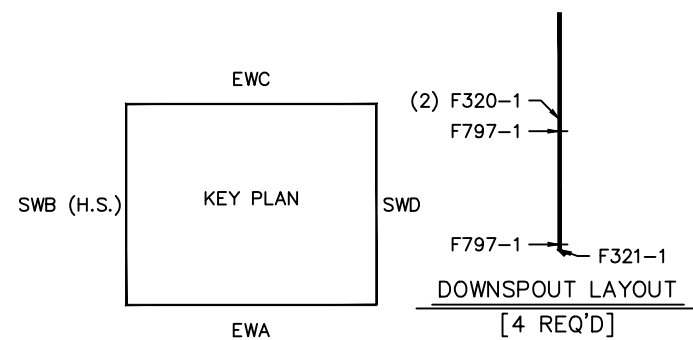
Weathertightness Warranty Qualifications

1. All roof penetrations (Pipes, Lighting Rods, Etc.) are excluded from the Weathertightness Warranty without prior approval by Weathertightness Department. Pipe penetrations must be flashed with EPDM rubber boot jacks and approved by Bldg. Mfr. to be included in the WTW.
2. Parapet cap, backer panels and counter flashing are excluded from the Weathertightness Warranty.
3. Roof curbs must be fully welded 5052-H32 aluminum 0.080 minimum or stainless steel and be pre-approved by Bldg. Mfr. to be included in the Weathertightness Warranty.
4. **Non-compliance with warranty requirements can result in Bldg. Mfr.'s inability to issue a Weathertightness Warranty.**



ROOF SHEETING PLAN

ROOF SHEETING PLANE 1  
 PANEL TYPE = DLK (SOLAR WHITE)  
 PANEL OVERHANG = 6  
 FROM OUTER STEEL



NOTE: -  
 Downspout locations have not been located on these drawings. The downspouts are to be placed on the building SWD at a spacing not to exceed 30 feet with the first downspout from both ends of the gutter run within 15 feet of the end.

Revision	Date	Description	By	Ck'd
A	04/07/22	FOR CONSTRUCTION PERMIT	AYM	NXS
0	05/09/22	FOR ERECTOR INSTALLATION	AYM	JSK

Manufactured By: METALLIC BUILDING SYSTEMS <b>MICHAEL W. CUSTER, P.E.</b> 642 OAKBEND DRIVE CORPELL, TX 75908 PHONE 972-511-9082	Project Name & Location: STOCKS & TAYLOR CONSTRUCTION INC. STOCKS & TAYLOR CONSTRUCTION, INC. 1825 CAROLINA AVENUE WASHINGTON, NC 27889-3369 US SELDEN TAYLOR
Customer: STOCKS & TAYLOR CONSTRUCTION INC 1825 CAROLINA AVENUE WASHINGTON, NC 27889-3369 US SELDEN TAYLOR	Drawing Status: <input type="checkbox"/> For Approval <input type="checkbox"/> For Construction <input type="checkbox"/> For Erection <input checked="" type="checkbox"/> For Erector Installation

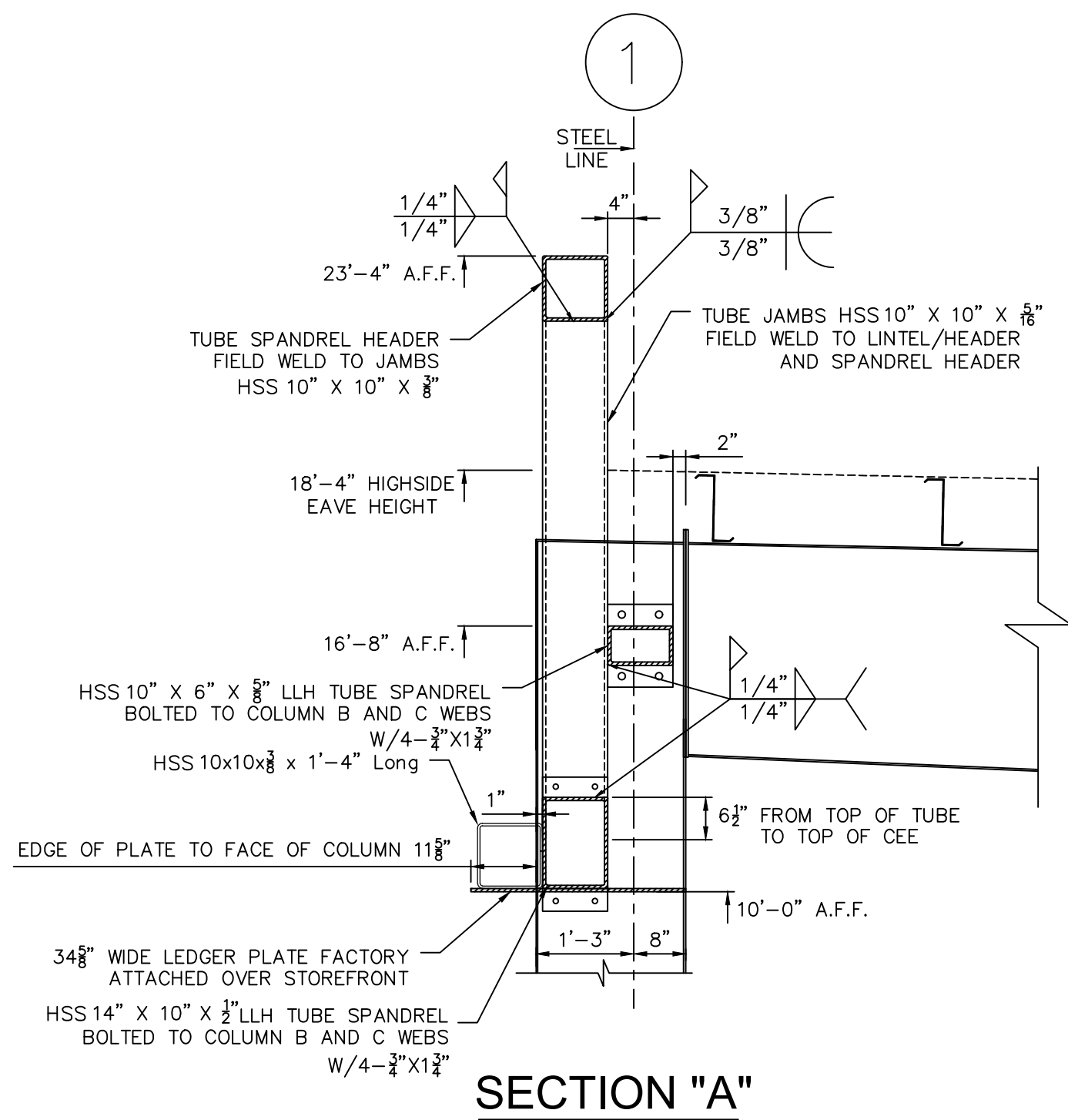
Scale:	NOT TO SCALE
Drawn by:	AYM 4/7/22
Checked by:	JSK 4/7/22
Project Engineer:	PNG64
Job Number:	18-B-48052-1
Sheet Number:	E4 of 17

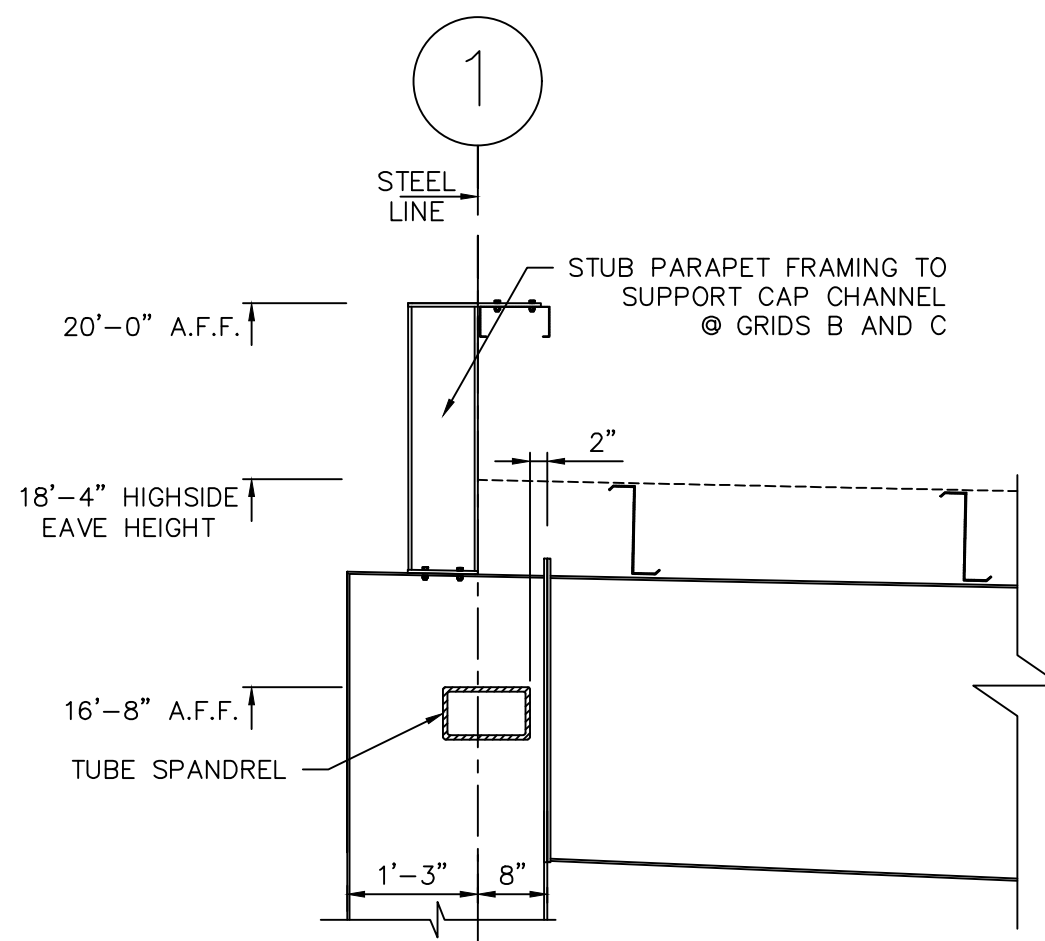
This document was produced by and/or under my direct supervision.



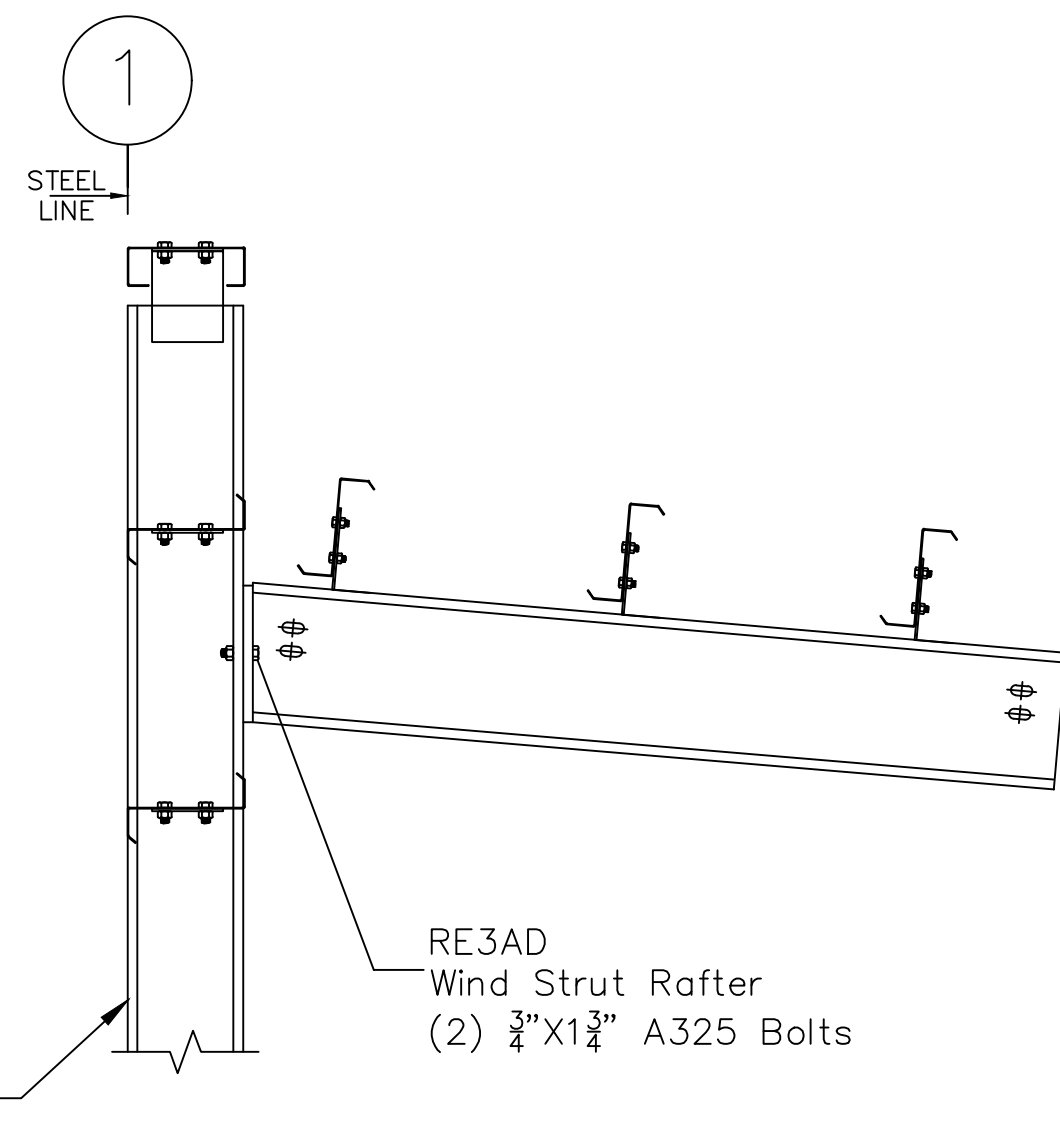




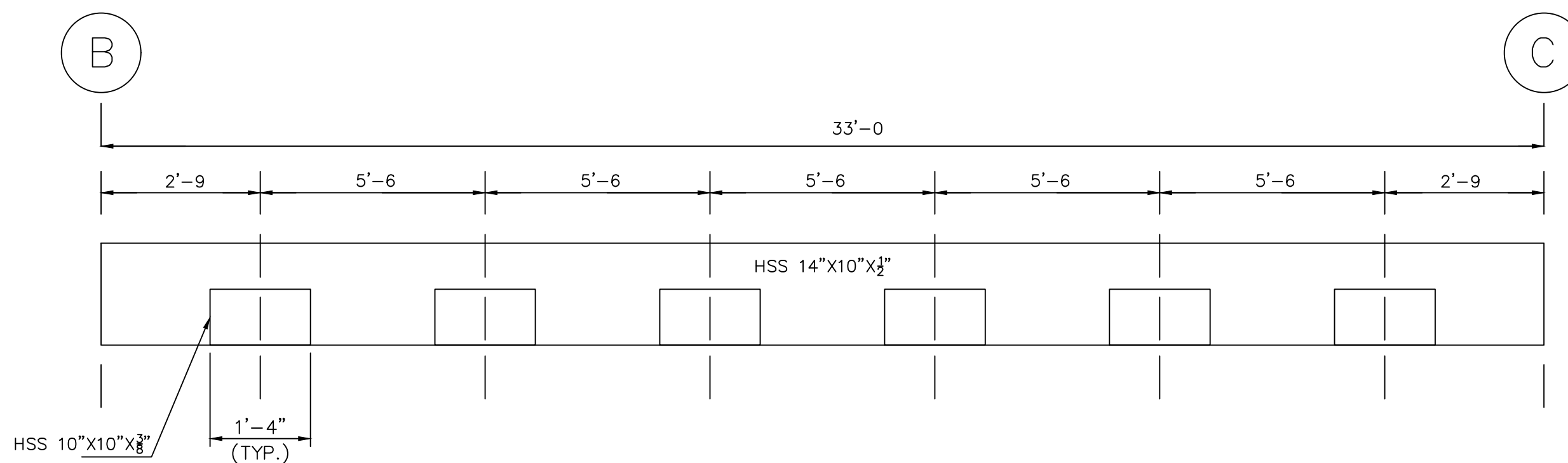
**SECTION "A"**



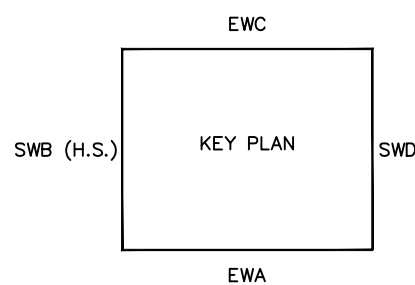
**SECTION "B"**



**SECTION "C"**



**CANOPY SUPPORT TUBE LOCATIONS**



Revision	Date	Description	By	Ch'd
A	04/07/22	FOR CONSTRUCTION PERMIT	AYM	NXS
0	05/09/22	FOR ERECTOR INSTALLATION	AYM	JSK

Manufactured By: METALLIC BUILDING SYSTEMS <b>MICHAEL W. CUSTER, P.E.</b> <small>CORPELL, TX 75918          842 OAKBEND DRIVE          PHONE 972-511-9082</small>	Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC. NC HWY 168 CURRITUCK, NC 27929 US
Customer: STOCKS & TAYLOR CONSTRUCTION INC 1825 CAROLINA AVENUE WASHINGTON, NC 27889-3369 US SELDEN TAYLOR	<input type="checkbox"/> For Approval <input type="checkbox"/> For Construction <input type="checkbox"/> For Erector Installation

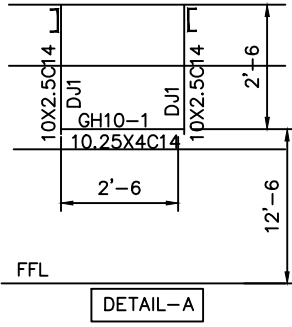
Scale:	NOT TO SCALE
Drawn by:	AYM 4/7/22
Checked by:	JSK 4/7/22
Project Engineer:	PNG64
Job Number:	18-B-48052-1
Sheet Number:	E6 of 17

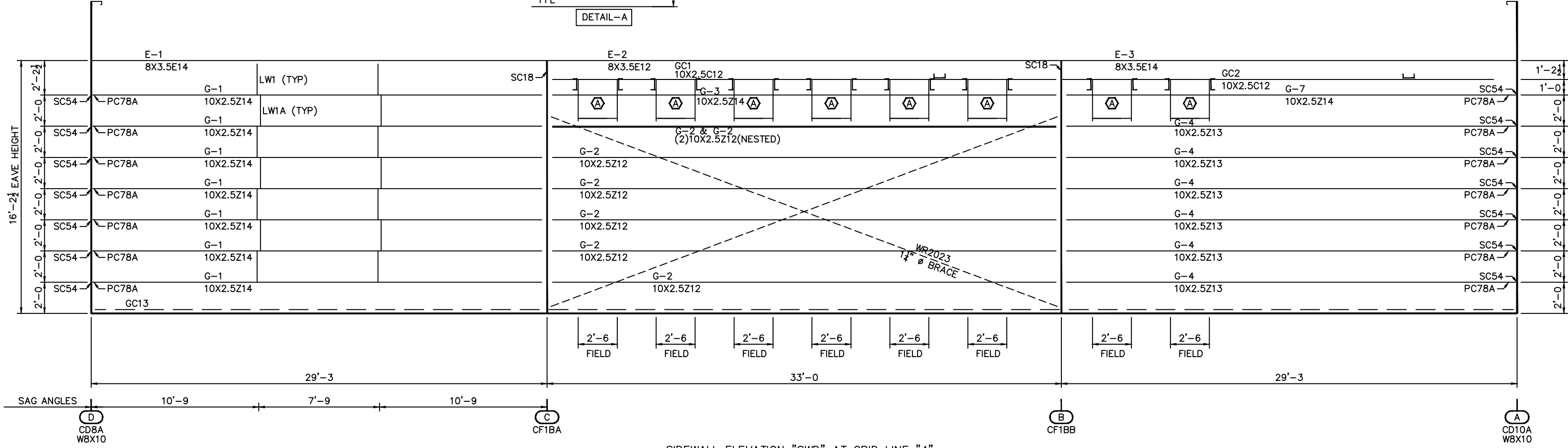
This document was produced by and/or under my direct supervision.

FRAMED OPENING CLIP TABLE

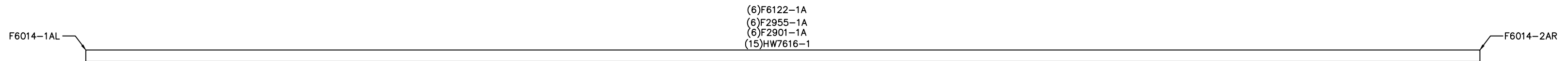
MARK	QTY	DESCRIPTION	HEADER	TOP L JAMB	TOP R JAMB	GIRT TO L JAMB	GIRT TO R JAMB	BOTTOM L JAMB	BOTTOM R JAMB	SILL	VERT LIFT JAMBS
A	8	2'-6 X 2'-6	N/A	CL750	CL750	CL751	CL751	CL751	CL751		N/A



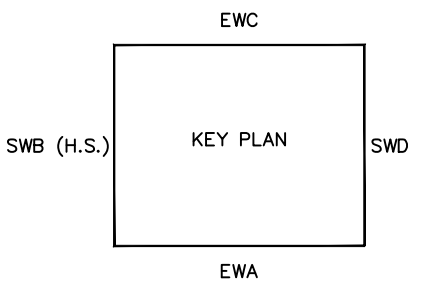
CL292- FASTENS BETWEEN THE GIRTS ON EACH SIDE OF THE SIDEWALL COLUMNS, AT ALL GIRT ELEVATIONS. REFER TO DETAILS.



SIDEWALL ELEVATION "SWD" AT GRID LINE "4"



WALL SHEETING ELEVATION "SWD" BLDG "A"



Revision	Date	Description	By		Ck'd	
			AYM	INXS	AYM	JSK
A	04/07/22	FOR CONSTRUCTION PERMIT				
0	05/09/22	FOR ERECTOR INSTALLATION				

Manufactured By:	METALLIC BUILDING SYSTEMS <b>MICHAEL W. CUSTER, P.E.</b> 642 OAKBEND DRIVE CORPELL, NY 17918 PHONE 872-511-9982
Customer:	STOCKS & TAYLOR CONSTRUCTION INC 1825 CAROLINA AVENUE WILMINGTON, NC 27889-3369 US SELDEN TAYLOR
Project Name & Location:	STOCKS & TAYLOR CONSTRUCTION, INC. NC HWY 168 CURRITUCK, NC 27929 US
Drawing Status:	<input type="checkbox"/> Preliminary Construction <input type="checkbox"/> For Approval <input checked="" type="checkbox"/> For Construction Permit <input checked="" type="checkbox"/> For Erector Installation

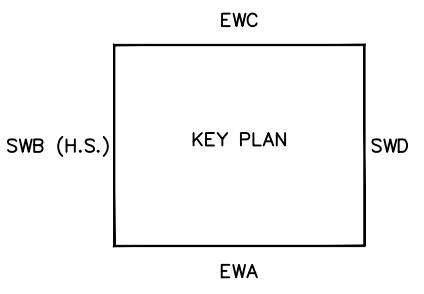
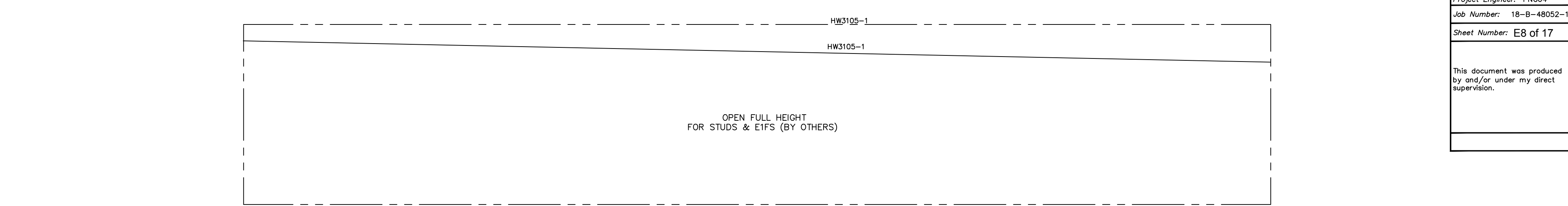
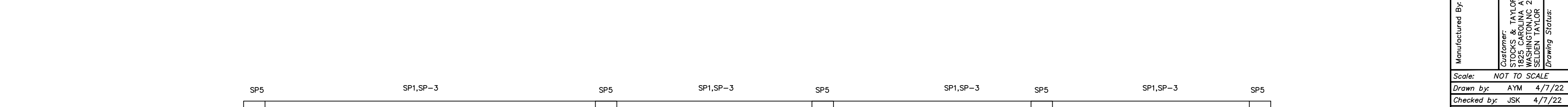
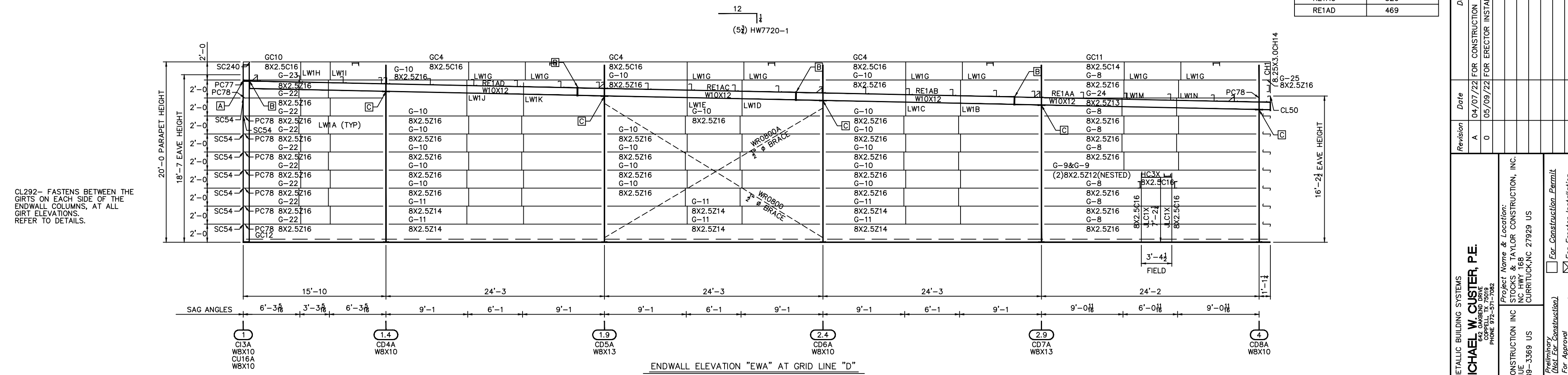
Scale:	NOT TO SCALE
Drawn by:	AYM 4/7/22
Checked by:	JSK 4/7/22
Project Engineer:	PNG64
Job Number:	18-B-48052-1
Sheet Number:	E7 of 17

This document was produced by and/or under my direct supervision.

SPLICE BOLT TABLE					
CONN.	QTY.	SIZE	TYPE	HARDENED WASHERS	BEVELED WASHERS
A	(4)	1/2 X 1 1/2	A325 B&N	0	0
B	(4)	1/2 X 1 1/2	A325 B&N	0	0
C	(4)	1/2 X 1 1/2	A325 B&N	4	0

APPROXIMATE MEMBER WEIGHTS	
PART MARK	WEIGHT
CI3A	210
CU16A	25
CD4A	261
CD5A	317
CD6A	258
CD7A	319
CD8A	246
RE1AA	371
RE1AB	317
RE1AC	320
RE1AD	469



By	Description	Date	Revision
AYM	FOR CONSTRUCTION PERMIT	04/07/22	A
AYM	FOR ERECTOR INSTALLATION	05/09/22	0

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
 842 OAKBROOK DRIVE  
 CORPELL, TX 75908  
 PHONE 972-571-9382

Customer: STOCKS & TAYLOR CONSTRUCTION INC  
 1825 CAROLINA AVENUE  
 WASHINGTON, NC 27889-3369 US  
 SELDEN TAYLOR

Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC.  
 NC HWY 168  
 CURRITUCK, NC 27929 US

Drawing Status:  Preliminary Construction  For Approval  For Erector Installation

Scale: NOT TO SCALE  
 Drawn by: AYM 4/7/22  
 Checked by: JSK 4/7/22  
 Project Engineer: PNG64  
 Job Number: 18-B-48052-1  
 Sheet Number: E8 of 17

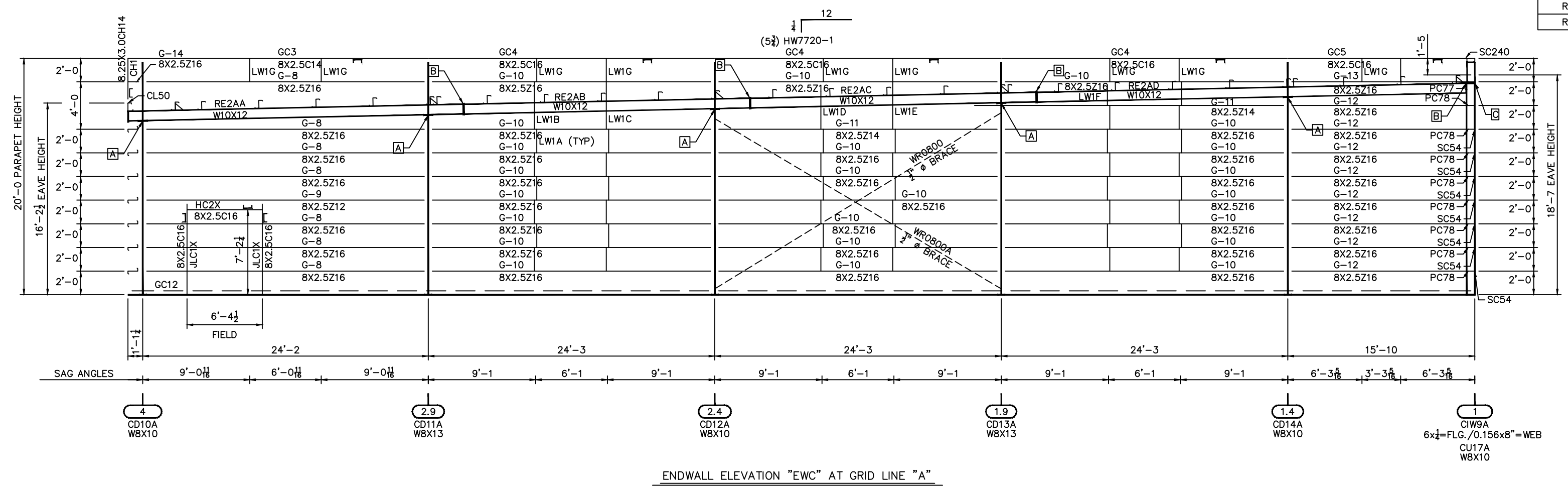
This document was produced by and/or under my direct supervision.

SPLICE BOLT TABLE					
CONN.	QTY.	SIZE	TYPE	HARDENED WASHERS	BEVELED WASHERS
A	(4)	1/2 X 1 1/2	A325 B&N	4	0
B	(4)	1/2 X 1 1/2	A325 B&N	0	0
C	(4)	1/2 X 1 1/2	A325 B&N	0	0

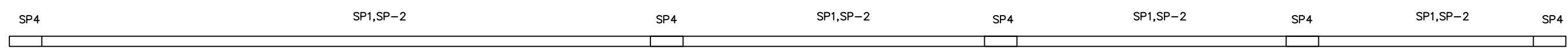
APPROXIMATE MEMBER WEIGHTS	
PART MARK	WEIGHT
CIW9A	291
CU17A	25
CD10A	244
CD11A	317
CD12A	258
CD13A	319
CD14A	263
RE2AA	371
RE2AB	317
RE2AC	320
RE2AD	469

By	Description	Date	Revision
AYM	FOR CONSTRUCTION PERMIT	04/07/22	A
AYM	FOR ERECTOR INSTALLATION	05/09/22	0

CL292-- FASTENS BETWEEN THE GIRTS ON EACH SIDE OF THE ENDWALL COLUMNS. AT ALL GIRT ELEVATIONS. REFER TO DETAILS.

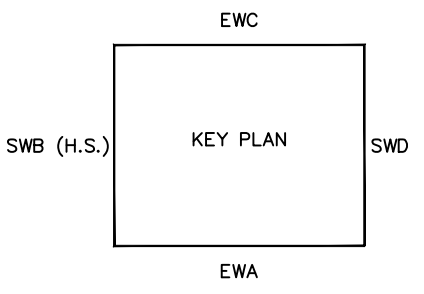


ENDWALL ELEVATION "EWC" AT GRID LINE "A"



OPEN FULL HEIGHT FOR STUDS & EIFS (BY OTHERS)

WALL SHEETING ELEVATION "EWC" BLDG "A"



Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
 442 OAKBEND DRIVE  
 CORPELL, NY 17908  
 PHONE 872-517-0882

Project Name & Location:  
 STOCKS & TAYLOR CONSTRUCTION INC.  
 STOCKS & TAYLOR CONSTRUCTION, INC.  
 1825 CAROLINA AVENUE  
 WASHINGTON, NC 27889-3369 US  
 SELDEN TAYLOR

Customer:  
 STOCKS & TAYLOR CONSTRUCTION INC  
 1825 CAROLINA AVENUE  
 WASHINGTON, NC 27889-3369 US  
 SELDEN TAYLOR

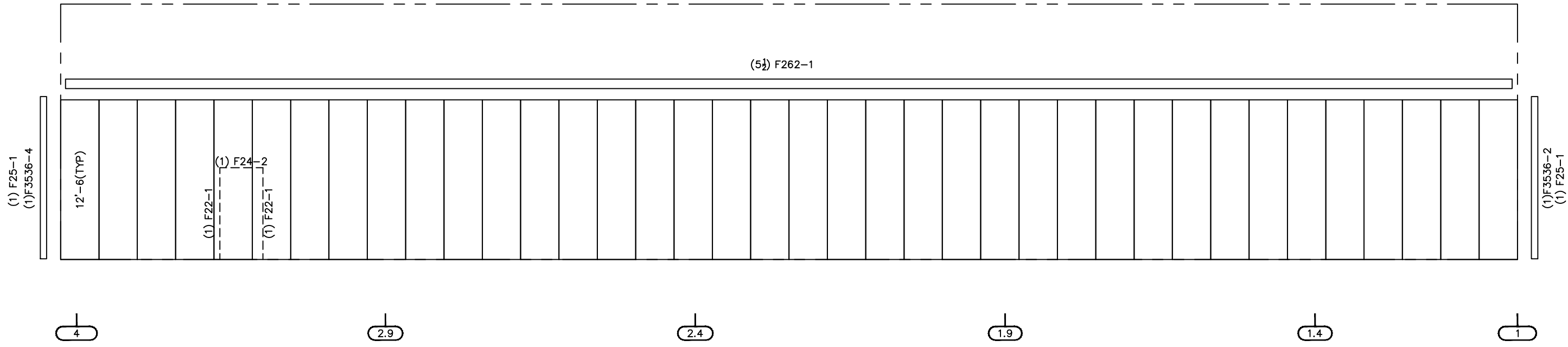
Drawing Status:  
 Preliminary Construction  
 For Approval  
 For Construction Permit  
 For Erector Installation

Scale: NOT TO SCALE  
 Drawn by: AYM 4/7/22  
 Checked by: JSK 4/7/22  
 Project Engineer: PNG64  
 Job Number: 18-B-48052-1  
 Sheet Number: E9 of 17

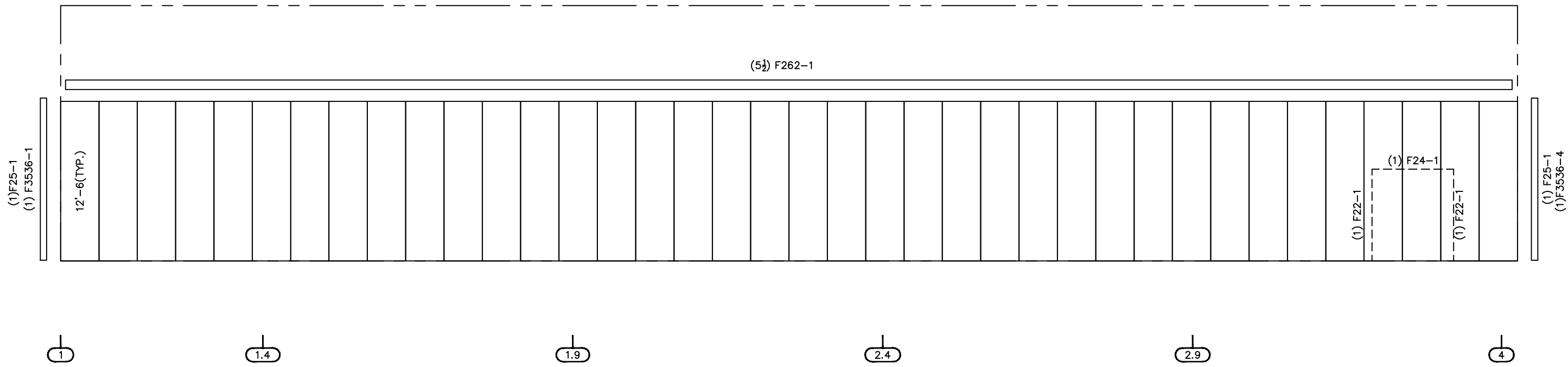
This document was produced by and/or under my direct supervision.

RBR WALL PANELS  
 PANEL COVERAGE = 3'-0"  
 COLOR = LIGHTNING WHITE  
 PANEL PKG. REQ'D. = PBS-2  
 Field Cut Panel and Trim as  
 required per Construction Details

RBR WALL PANELS  
 PANEL COVERAGE = 3'-0"  
 COLOR = LIGHTNING WHITE  
 PANEL PKG. REQ'D. = PBS-3  
 Field Cut Panel and Trim as  
 required per Construction Details



LINER SHEETING ELEVATION "EWA"  
 BLDG "A"



LINER SHEETING ELEVATION "EWC"  
 BLDG "A"

Revision	Date	Description	By	Ckd
A	04/07/22	FOR CONSTRUCTION PERMIT	AYM	NXS
0	05/09/22	FOR ERECTOR INSTALLATION	AYM	JSK

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
 642 OAKBROOK DRIVE  
 CORPELL, TX 75908  
 PHONE 972-511-9982

Customer: STOCKS & TAYLOR CONSTRUCTION INC  
 1825 CAROLINA AVENUE  
 WASHINGTON, NC 27889-3369 US  
 SELDEN TAYLOR

Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC.  
 NC HWY 168  
 CURRITUCK, NC 27929 US

Drawing Status:  Preliminary Construction  For Approval  For Erector Installation

Scale: NOT TO SCALE  
 Drawn by: AYM 4/7/22  
 Checked by: JSK 4/7/22  
 Project Engineer: PNG64  
 Job Number: 18-B-48052-1  
 Sheet Number: E10 of 17

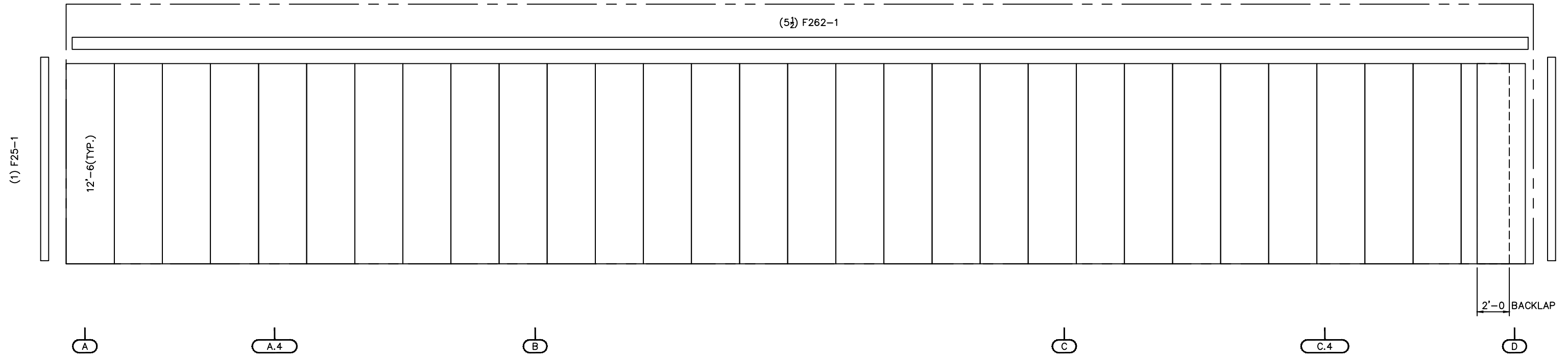
This document was produced  
 by and/or under my direct  
 supervision.

RBR WALL PANELS  
 PANEL COVERAGE = 3'-0"  
 COLOR = LIGHTNING WHITE  
 PANEL PKG. REQ'D. = PBS-1  
 Field Cut Panel and Trim as  
 required per Construction Details



LINER SHEETING ELEVATION "SWB"  
 BLDG "A"

RBR WALL PANELS  
 PANEL COVERAGE = 3'-0"  
 COLOR = LIGHTNING WHITE  
 PANEL PKG. REQ'D. = PBS-4  
 Field Cut Panel and Trim as  
 required per Construction Details



LINER SHEETING ELEVATION "SWD"  
 BLDG "A"

Revision	Date	Description	By	Ck'd
A	04/07/22	FOR CONSTRUCTION PERMIT	AYM	NXS
0	05/09/22	FOR ERECTOR INSTALLATION	AYM	JSK

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
 642 OAKBEND DRIVE  
 CORPELL, TX 75908  
 PHONE 972-571-9982

Customer: STOCKS & TAYLOR CONSTRUCTION INC  
 1825 CAROLINA AVENUE  
 WASHINGTON, NC 27889-3369 US  
 SELDEN TAYLOR

Drawing Status:  (Not For Construction)  (For Approval)  (For Construction)  (For Erector Installation)

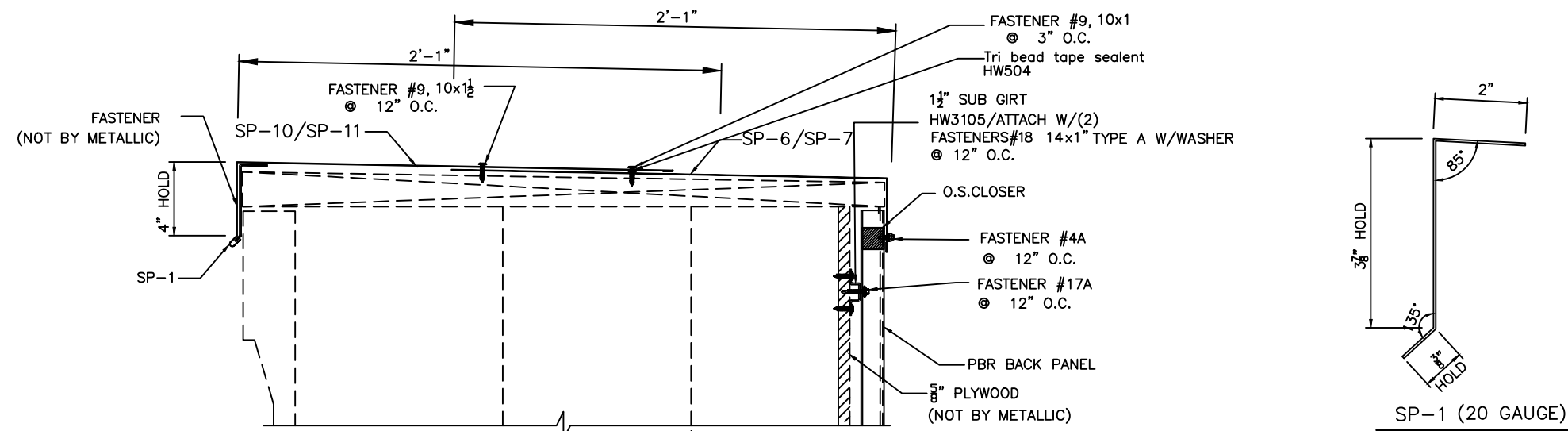
Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC.  
 NC HWY 168  
 CURRITUCK, NC 27929 US

Scale: NOT TO SCALE  
 Drawn by: AYM 4/7/22  
 Checked by: JSK 4/7/22  
 Project Engineer: PNG64  
 Job Number: 18-B-48052-1  
 Sheet Number: E11 of 17

This document was produced  
 by and/or under my direct  
 supervision.

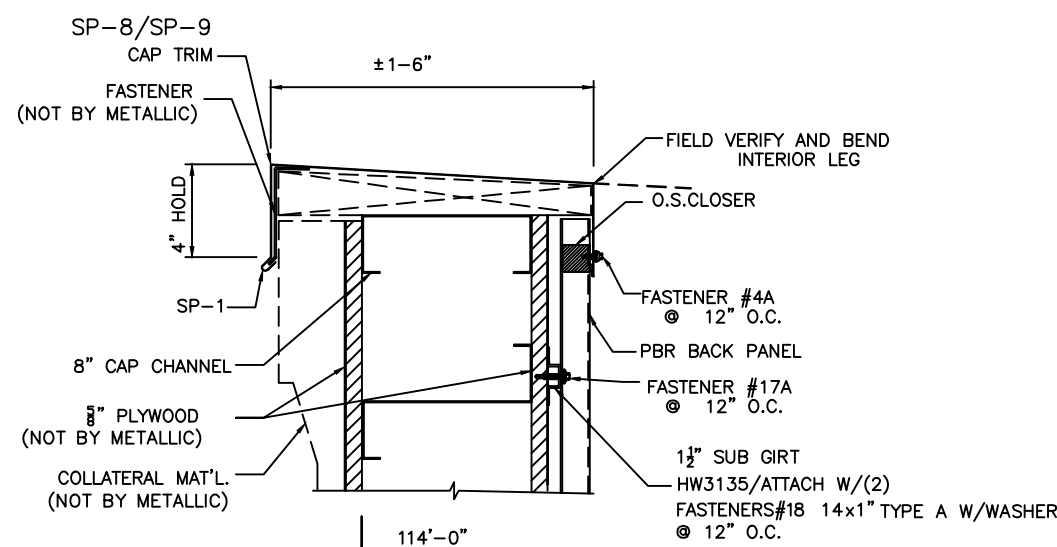




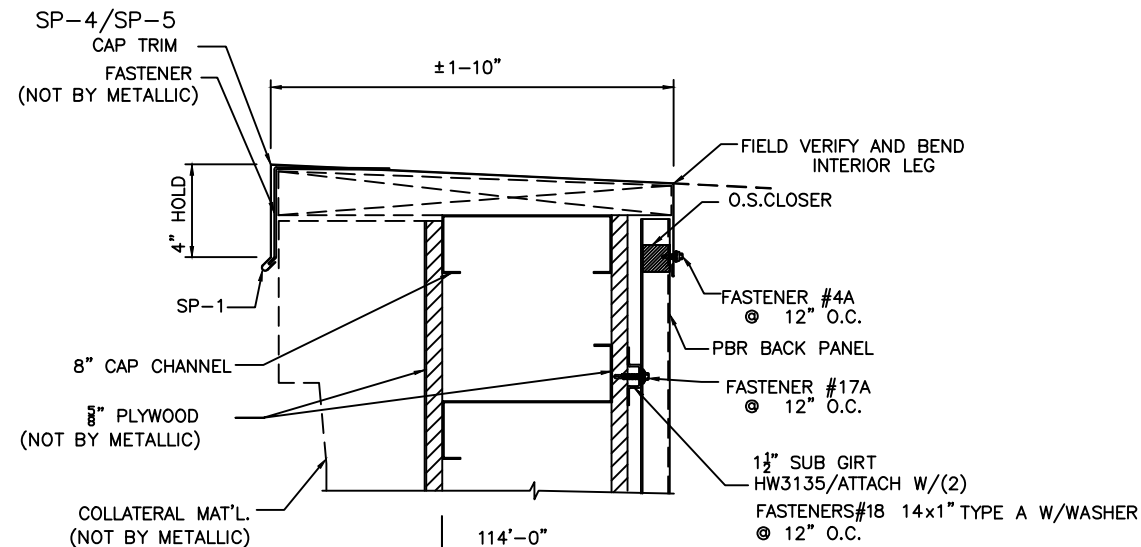


"ATTACH CLEAT TO PARAPET PER REQUIREMENT LISTED IN THE ARCHITECTURAL DRAWINGS. FASTENERS NOT BY METALLIC".

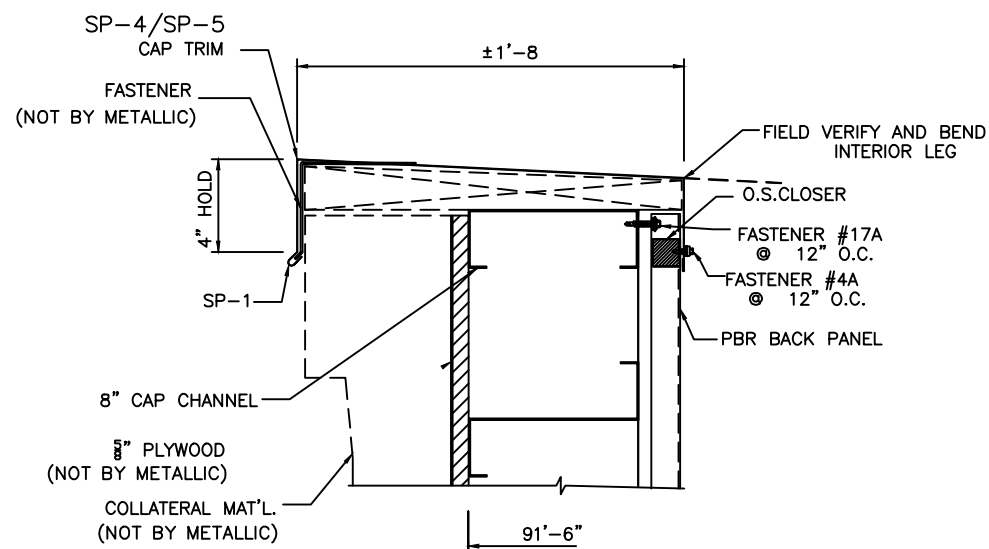
SECTION-A



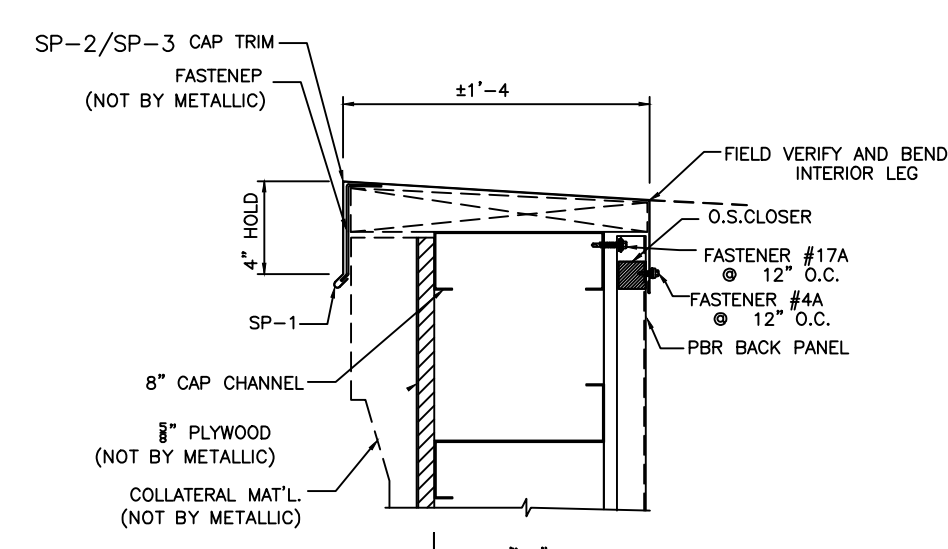
SECTION-B



SECTION-C



SECTION-D



SECTION-E

Revision	Date	Description	By	Ckd
A	05/21/21	FOR CONSTRUCTION PERMIT	GDK	GAK
0	05/25/21	FOR ERECTOR INSTALLATION	GDK	GKS

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
 442 OAKBEND DRIVE  
 CORPELL, TX 75908  
 PHONE 972-571-7082

Customer: STOCKS & TAYLOR CONSTRUCTION INC  
 825 CAROLINA AVENUE  
 WASHINGTON, NC 27889-3369 US  
 SELDEN TAYLOR

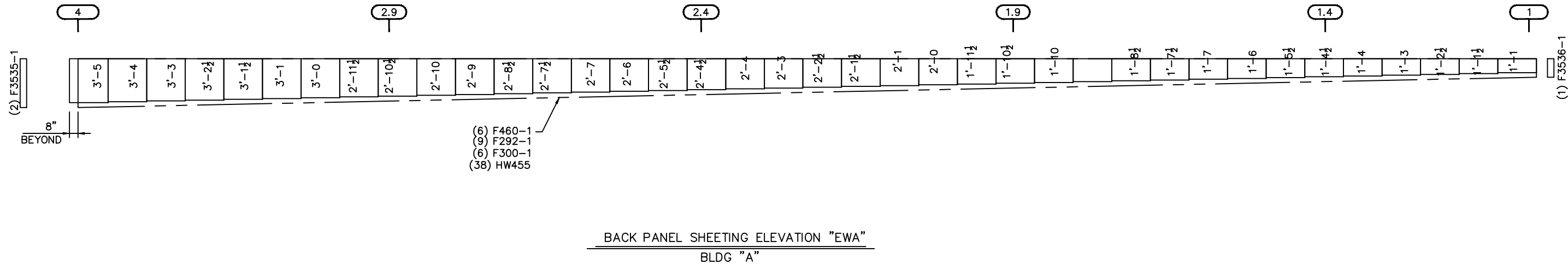
Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC.  
 NC HWY 168  
 CURRITUCK, NC 27929 US

Drawing Status:  For Approval  For Construction  For Erector Installation

Scale: NOT TO SCALE  
 Drawn by: GDK 8/25/21  
 Checked by: GKS 8/25/21  
 Project Engineer: PNG64  
 Job Number: 18-B-48052-1  
 Sheet Number: E13 of 17

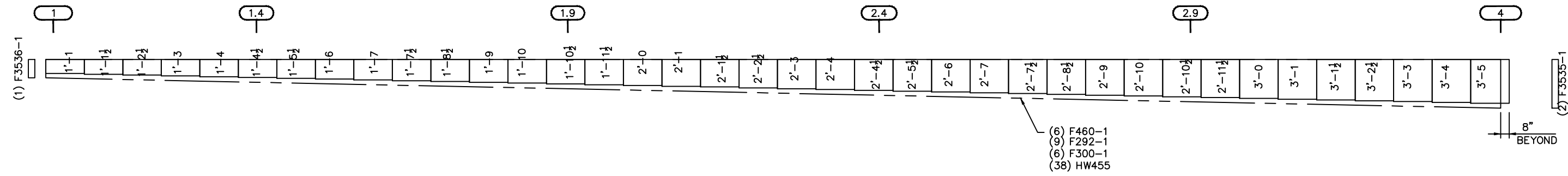
This document was produced by and/or under my direct supervision.

PBR WALL PANELS  
 PANEL COVERAGE = 3'-0"  
 COLOR = LIGHT STONE  
 PANEL PKG. REQ'D. = PBS-5  
 Field Cut Panel and Trim as  
 required per Construction Details



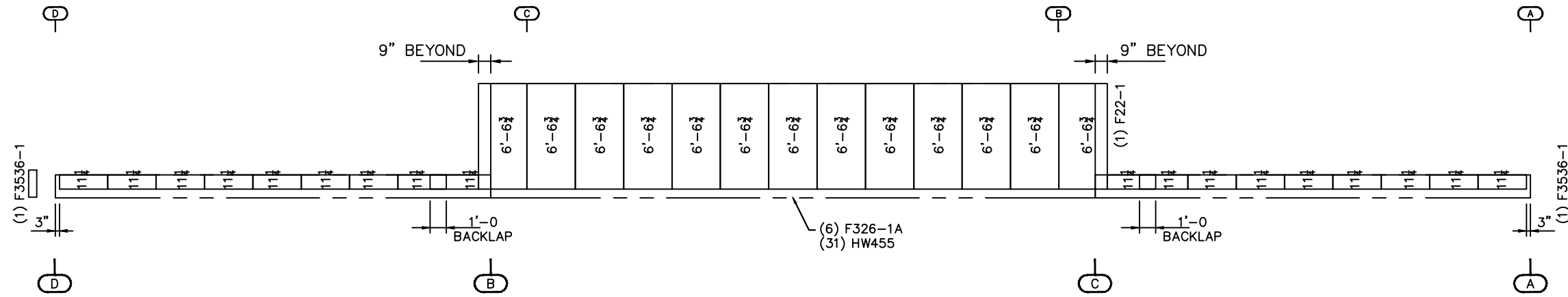
BACK PANEL SHEETING ELEVATION "EWA"  
 BLDG "A"

PBR WALL PANELS  
 PANEL COVERAGE = 3'-0"  
 COLOR = LIGHT STONE  
 PANEL PKG. REQ'D. = PBS-5  
 Field Cut Panel and Trim as  
 required per Construction Details



BACK PANEL SHEETING ELEVATION "EWC"  
 BLDG "A"

PBR WALL PANELS  
 PANEL COVERAGE = 3'-0"  
 COLOR = LIGHT STONE  
 PANEL PKG. REQ'D. = PBR-1, PBR-2  
 Field Cut Panel and Trim as  
 required per Construction Details



BACK PANEL SHEETING ELEVATION "SWB"  
 BLDG "A"

Revision	Date	Description	By	Ch'd
A	04/07/22	FOR CONSTRUCTION PERMIT	AYM	NXS

Manufactured By:	METALLIC BUILDING SYSTEMS <b>MICHAEL W. CUSTER, P.E.</b> CORPELL, TX 75018 PHONE 972-371-7082
Customer:	STOCKS & TAYLOR CONSTRUCTION INC 1825 CAROLINA AVENUE WASHINGTON, NC 27889-3369 US SELDEN TAYLOR
Project Name & Location:	STOCKS & TAYLOR CONSTRUCTION, INC. NC HWY 168 CURRITUCK, NC 27929 US
Drawing Status:	<input type="checkbox"/> Preliminary Construction <input type="checkbox"/> For Approval <input checked="" type="checkbox"/> For Construction Permit <input checked="" type="checkbox"/> For Erector Installation

Scale: NOT TO SCALE

Drawn by: AYM 4/7/22

Checked by: NXS 4/7/22

Project Engineer: PNG64

Job Number: 18-B-48052-1

Sheet Number: E14 of 17

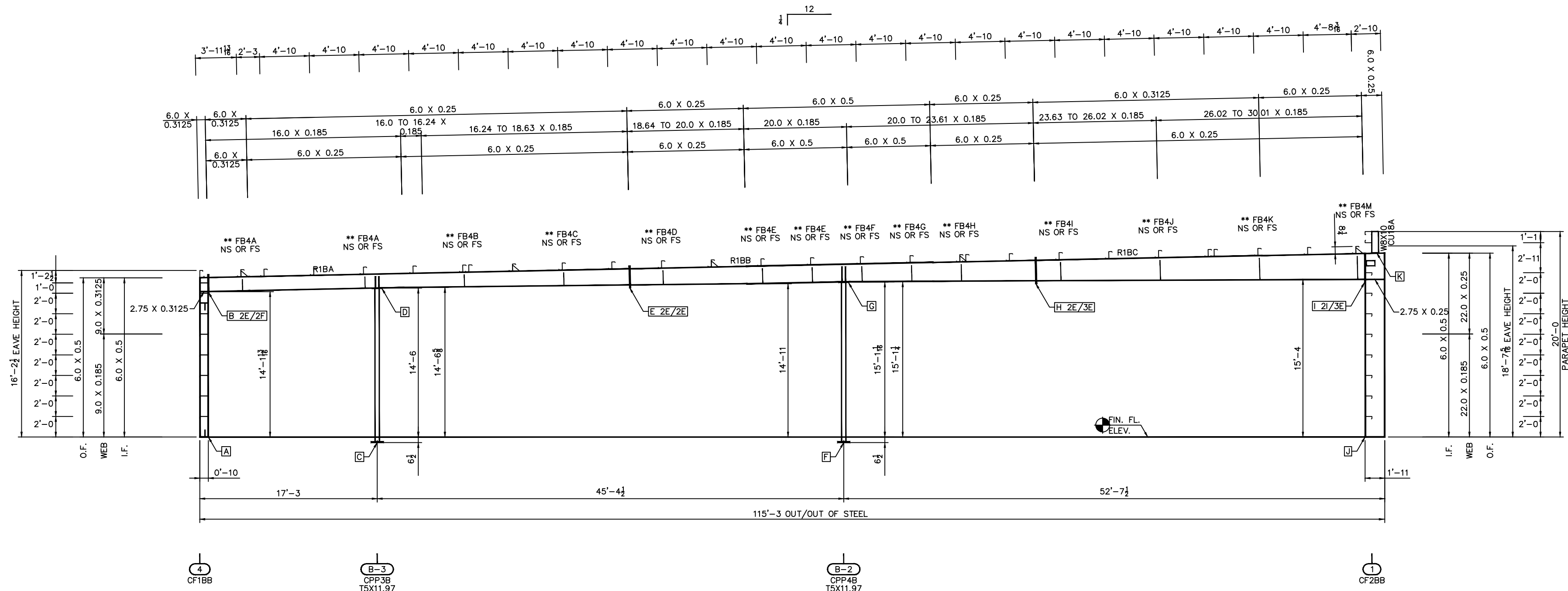
This document was produced by and/or under my direct supervision.

OY/PROJECTS/XDS-V8-18-01 FRAME = 18-B-48052/ver01-pxsivasubramanian/BLDG-A/Drftg/x01L 3/29/22 23:52:23  
 OY/PROJECTS/XDS-V8-18-01 FB SET = Eng/18-B-48052/ver01-pxsivasubramanian/BLDG-A/DRFTG/x01L

GENERAL NOTES  
 FRAME CLEARANCES SHOWN ARE APPROXIMATE AND MAY VARY DUE TO CONDITIONS (DEFLECTION).  
 VERTICAL CLEARANCE DIMENSIONS ARE FROM FINISHED FLOOR REFERENCE ELEVATION.

\*\* DENOTES: CLIPS AT FLANGE BRACE  
 CL196 & CL199 AT 8" PURLINS/GIRTS  
 CL197 & CL199 AT 10" PURLINS/GIRTS  
 CL198 & CL199 AT 12" PURLINS/GIRTS

APPROXIMATE MEMBER WEIGHTS	
PART MARK	WEIGHT
R1BA	942
R1BB	1190
R1BC	967
CPP4B	265
CF2BB	699
CF1BB	496



CROSS SECTION AT FRAME LINE "B"

Revision	Date	Description
A	04/07/22	FOR CONSTRUCTION PERMIT
0	05/09/22	FOR ERECTOR INSTALLATION

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
 Project Name & Location:  
 STOCKS & TAYLOR CONSTRUCTION INC.  
 1825 CAROLINA AVENUE  
 WELLSVILLE, NC 27986  
 SELDEN TAYLOR  
 Drawing Status:  Preliminary Construction  For Construction Permit  For Erector Installation

Scale: NOT TO SCALE  
 Drawn by: AYM 4/7/22  
 Checked by: JSK 4/7/22  
 Project Engineer: PNG64  
 Job Number: 18-B-48052-1  
 Sheet Number: E15 of 17

This document was produced by and/or under my direct supervision.

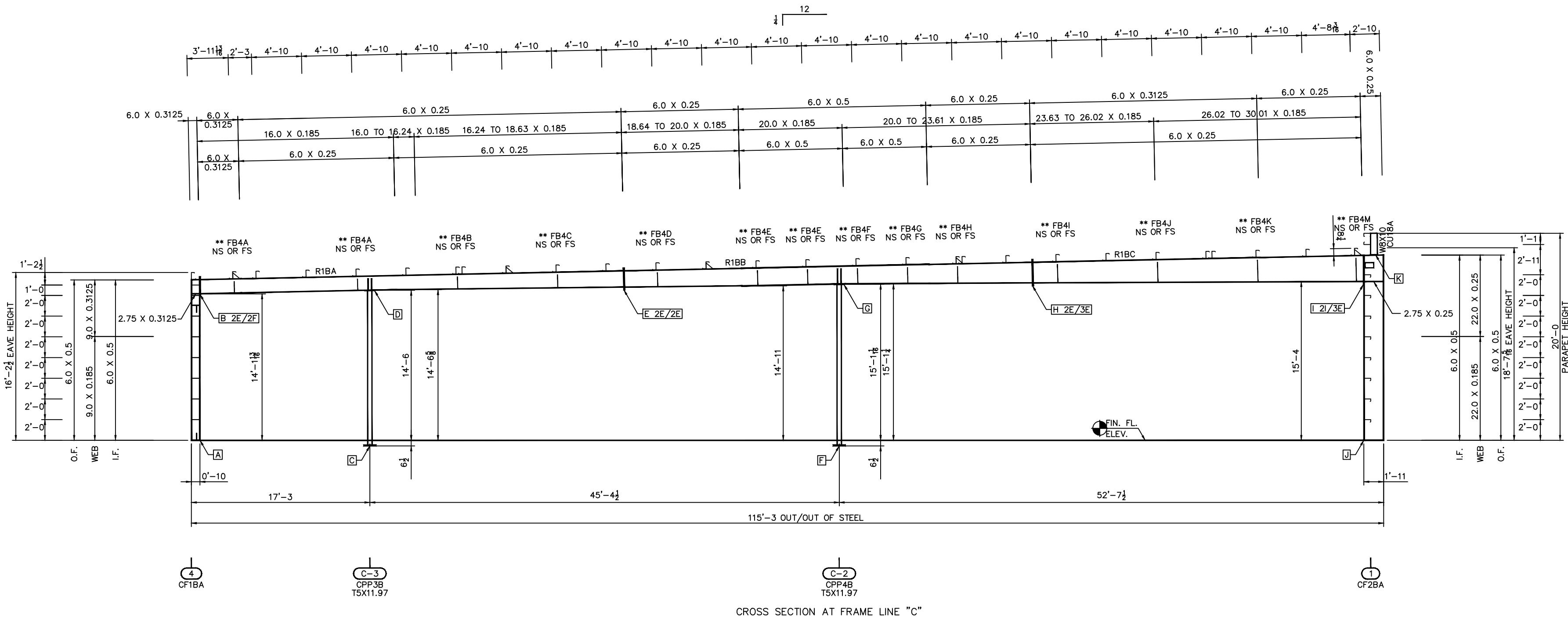
CONN.	PLATE SIZE TABLE		SPlice BOLT TABLE				
	LOW SIDE	HIGH SIDE	QTY.	SIZE	TYPE	HARDENED WASHERS	BEVELED WASHERS
A	6 X 0.375 X 0'-10						
B	6 X 0.5 X 15'-9 1/2	6 X 0.5 X 1'-8 3/8	(8)	3/4 X 2"	A325 B&N	0	0
C	14 X 1.0 X 1'-2						
D	6 X 0.375 X 0'-11		(4)	1/2 X 1 1/2	A325 B&N	4	0
E	6 X 0.5 X 2'-1 3/8	6 X 0.5 X 2'-1 3/8	(8)	3/4 X 2"	A325 B&N	0	0
F	14 X 1.25 X 1'-2						
G	6 X 0.5 X 0'-11		(4)	1/2 X 2"	A325 B&N	4	0
H	6 X 0.5 X 2'-6 1/2	6 X 0.5 X 2'-6 1/2	(10)	3/4 X 2"	A325 B&N	0	0
I	6 X 0.5 X 2'-9 3/8	6 X 0.5 X 17'-10	(10)	3/4 X 2"	A325 B&N	0	0
J	6 X 0.375 X 1'-11						
K			(4)	1/2 X 1 1/2	A325 B&N	0	0

OY/PROJECTS/XDS-V8-18-01 FRAME = 18-B-48052/ver01-pxsivasubramanian/BLDG-A/Drftg/x01L 3/29/22 23:52:23  
 OY/PROJECTS/XDS-V8-18-01 FB SET = Eng/18-B-48052/ver01-pxsivasubramanian/BLDG-A/DRFTG/x01L

GENERAL NOTES  
 FRAME CLEARANCES SHOWN ARE APPROXIMATE AND  
 MAY VARY DUE TO CONDITIONS (DEFLECTION).  
 VERTICAL CLEARANCE DIMENSIONS ARE FROM  
 FINISHED FLOOR REFERENCE ELEVATION.

\*\* DENOTES: CLIPS AT FLANGE BRACE  
 CL196 & CL199 AT 8" PURLINS/GIRTS  
 CL197 & CL199 AT 10" PURLINS/GIRTS  
 CL198 & CL199 AT 12" PURLINS/GIRTS

APPROXIMATE MEMBER WEIGHTS	
PART MARK	WEIGHT
R1BA	942
R1BB	1190
R1BC	967
CPP4B	265
CPP3B	242
CF2BA	699
CF1BA	496



CROSS SECTION AT FRAME LINE "C"

CONN.	PLATE SIZE TABLE		SPlice BOLT TABLE				
	LOW SIDE	HIGH SIDE	QTY.	SIZE	TYPE	HARDENED WASHERS	BEVELED WASHERS
A	6 X 0.375 X 0'-10						
B	6 X 0.5 X 15'-9 1/2	6 X 0.5 X 1'-8 1/8	(8)	3/4 X 2"	A325 B&N	0	0
C	14 X 1.0 X 1'-2						
D	6 X 0.375 X 0'-11		(4)	1/2 X 1 1/2	A325 B&N	4	0
E	6 X 0.5 X 2'-1 1/8	6 X 0.5 X 2'-1 1/8	(8)	3/4 X 2"	A325 B&N	0	0
F	14 X 1.25 X 1'-2						
G	6 X 0.5 X 0'-11		(4)	1/2 X 2"	A325 B&N	4	0
H	6 X 0.5 X 2'-6 1/2	6 X 0.5 X 2'-6 1/2	(10)	3/4 X 2"	A325 B&N	0	0
I	6 X 0.5 X 2'-9 1/8	6 X 0.5 X 17'-10	(10)	3/4 X 2"	A325 B&N	0	0
J	6 X 0.375 X 1'-11						
K			(4)	1/2 X 1 1/2	A325 B&N	0	0

Revision	Date	Description	By	Ch'd
A	04/07/22	FOR CONSTRUCTION PERMIT	AYM	NXS
0	05/09/22	FOR ERECTOR INSTALLATION	AYM	JSK

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
 442 OAKBEND DRIVE  
 CORPELL, TX 75908  
 PHONE 972-571-9382

Customer: STOCKS & TAYLOR CONSTRUCTION INC  
 1825 CAROLINA AVENUE  
 WILSONVILLE, NC 27158  
 SELDEN TAYLOR

Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC.  
 NC HWY 168  
 CURRITUCK, NC 27929 US

Drawing Status:  Preliminary Construction  For Approval  For Erector Installation

Scale: NOT TO SCALE  
 Drawn by: AYM 4/7/22  
 Checked by: JSK 4/7/22  
 Project Engineer: PNG64  
 Job Number: 18-B-48052-1  
 Sheet Number: E16 of 17

This document was produced by and/or under my direct supervision.



**Field Service Procedures**

In Order To Give You Prompt Service And Keep Problems To A Minimum, Please Handle Any Shortages Or Back Charges In The Following Manner:

- Carefully Check Your Packing List While Unloading.
- Mark Any Items Which Appear To Be Missing And Notify The Field Service Department At The Number Shown In The Title Block As Soon As Possible. Calling Someone Else Could Delay The Proper Response.

**INITIAL CLAIM:**  
In The Event Of An Error, The Customer Must Promptly Make A Written Or Verbal "Initial Claim" To The Manufacturer For The Correction Of Design, Drafting, Bill Of Materials Or Fabrication Error.  
The "Initial Claim" Includes:

- Description Of The Nature And Extent Of The Errors, Including Quantities.
- Description Of The Nature And Extent Of Proposed Corrective Work, Including Estimated Man-Hours.
- Materials To Be Purchased From Other Than The Manufacturer, Including Estimated Quantities and Cost.
- Maximum Total Cost Of Proposed Corrective Work And Materials To Be Purchased From Other Than The Manufacturer.

**SHORT MATERIALS:**  
Immediately Upon Delivery Of Materials, Quantities Are To Be Verified By The Customer Against Quantities That Are Billed On The Shipping Documents. Neither The Manufacturer Nor The Carrier Is Responsible For Material Shortages Against The Quantities Billed On The Shipping Documents If Such Shortages Are Not Noted On The Shipping Documents When The Material Is Delivered And Acknowledged By The Carrier's Agent. If The Carrier Is The Manufacturer, Claims For Shortages Are To Be Made By The Customer To The Common Carrier. If The Material Quantities Received Are Correct According To The Quantities Billed On The Shipping Documents, But Are Less Than The Quantities Ordered Or The Quantities That Are Necessary To Complete The Metal Building According To The Order Documents, Claim Is To Be Made To The Manufacturer.

**DAMAGED OR DEFECTIVE MATERIAL:**  
Damaged Or Defective Material, Regardless Of The Degree Of Damage, Must Be Noted On The Shipping Documents By The Customer And Acknowledged By The Carrier's Agent. The Manufacturer Is Not Responsible For Material Damaged In Unloading Of Packages Or Nested Materials, Including, But Not Limited To: Fasteners, Sheet Metal, "C" And "Z" Sections And Covering Panels That Become Wet And/Or Damaged By Water While In The Possession Of Others. Packaged Or Nested Material That Become Wet In Transit Must Be Unpacked, Unstacked And Dried By The Customer. If The Carrier Is The Manufacturer, The Customer Must Make Claim For Damaged Directly To The Manufacturer. If The Carrier Is A Common Carrier, The Customer Must Make The Claim For Damage To The Common Carrier. The Manufacturer Is Not Liable For Any Claim whatsoever including, but not limited to labor charges of consequential damages resulting from customer's use of damaged or defective materials that can be detected by visual inspection.

**EXCESSIVE MATERIAL:**  
The Manufacturer Reserves The Right To Recover Any Material Delivered In Excess Of Those Required By The Order Documents.

**OIL CANNING IS NOT A CAUSE FOR REJECTION**

**Types Of Finishes**

**SHOP PRIMED STEEL:**  
All Structural Members Of The Metal Building System Not Fabricated Of Corrosion Resistant Material Or Protected By A Corrosion Resistant Coating Are Painted With One Coat Of Shop Primer Meeting The Performance Requirements Of SSPC Paint Specification No.15. The Coat Of Shop Primer Is Intended To Protect The Steel Framing For Only A Short Period Of Exposure To Ordinary Atmospheric Conditions. Shop Primed Steel Which Is Stored In The Field Pending Erection Should Be Kept Free Of The Ground And So Positioned As To Minimize Water Holding Pockets, Dust, Mud And Other Contamination Of The Primer Film. Repairs Of Damaged To Primed Surfaces And/Or Removal Of Foreign Material Due To Improper Field Storage Or Site Conditions Are Not The Responsibility Of The Manufacturer. The Manufacturer Is Not Responsible For Deterioration Of The Shop Coat Of Primer Or Corrosion That May Result From Exposure To Atmospheric And Environmental Conditions, Nor The Compatibility Of The Primer To Any Field Applied Coating. Minor Abrasions To The Shop Coat (Including Galvanizing) Caused By Handling, Loading, Shipping, Unloading And Erection After Painting Or Galvanizing Are Unavoidable. (MBMA 2012, Chapter IV 4.2.4).

**GALVALUME:**  
Galvalume Is The Trade Name For A Patented Steel Sheet And Coil Product Having A Coating Of Corrosion Resistant Aluminum-Zinc Alloy. The Mixture Is Balanced To Obtain The Coating That Retains The Corrosion Resistance And Heat Reflectivity Of Aluminum And Galvanic Protection Of Zinc. The Best Properties Of Both Aluminum And Zinc Are Combined In This Coating And Offer Added Service Life For The Building.

**Pre-Pointed:**  
Using Galvalume Steel As A Substrate, Pre-Pointed Steel Is Given An Additional Rust Inhibitor Primer Coat. This Primer Coat Further Increases The Corrosion Resistance. These Coatings Are Applied To The Exterior Surface Of The Panels And A Wash Coat Designed Only For Interior Use, Is Applied On The Opposite Side. Galvalume And Pre-Pointed Steel Can Give Excellent Service For Many Years If A Few Rules Concerning Their Care And Maintenance Are Observed. All Of These Finishes Are Equally Subject To Damage And Corrosion When Care Is Not Provided.

**PAINT AND COATING MAINTENANCE:**  
Remove Smudge Marks From Bare Galvalume:  
Formula 409 Has Proven To Be Somewhat Effective. Lightly Rub With A Clean Cloth And Rinse With Water. Do Not Rub More Than Required To Remove Smudge Marks. No Product Will Remove All Smudge Marks.  
Remove Rust Stains:  
Soft Scrub Without Bleach Has Proven To Be Somewhat Effective. Rub With A Soft Cloth And Rinse With Water. Do Not Rub More Than Required To Remove Stain. No Product Will Completely Remove Rust Stains.  
To Touch-Up Scratches In Paint (Not Bare Metal):  
Clean Area To Be Painted With Mild Detergent. Rinse Thoroughly And Dry. Touch-Up To Be Painted With Mild Detergent. Rinse Thoroughly And Dry. Using A Small Artist's Brush, Lightly Apply A Minimal Amount Of Color Matched Touch-Up Paint Required To Fill/Cover The Scratch. Contact The Building Manufacturer For Assistance With Ordering/Purchasing Touch-Up Paint As Needed.

**Authorization For Corrective Work**

Normal Erection Operations Include The Correction Of Minor Misfits By Amounts Of Reaming, Chipping, Welding Or Cutting And The Drawing Of Elements Into Line Through The Use Of Drift Pins. Errors That Cannot Be Corrected By The Foregoing Means Or Which Require Major Changes In The Member Configuration Should Be Reported Immediately To The Owner And The Fabricator By The Erector, To Enable Whoever Is Responsible Either To Correct The Error Or Approve The Most Efficient And Economical Method Of Correction To Be Used By Others. (AISC 303-10, Section 7.14). If The Error Is The Fault Of The Manufacturer An "Authorization For Corrective Work" Must Be Issued In Writing By The Manufacturer To Authorize The Corrective Work At A Cost Not To Exceed The Maximum Total Cost Set Forth. Alternative Corrective Work Other Than That Proposed In The "Initial Claim" May Be Directed By The Manufacturer In The "Authorization Of Corrective Work". Only The Field Service Department May Authorize Corrective Work.

**FINAL CLAIM:**  
The "Final Claim" In Writing Must Be Forwarded By The Customer To The Manufacturer Within (10) Days Of The Completion Of The Corrective Work Authorized By The Manufacturer.

**THE "FINAL CLAIM" MUST INCLUDE:**

- Actual Number Of Man-Hours By Dated Of Direct Labor Use On Corrective Work And Actual Hourly Rate Of Pay.
- Taxes And Insurance On Total Actual Direct Labor.
- Other Direct Costs On Actual Direct Labor.
- Cost Of Materials (Not Minor Supplies) Authorized By The Manufacturer To Be Purchased From Other Than The Manufacturer, including Copies Of Paid Invoices.
- Total Actual Direct Cost Of Corrective Work (Sum Of 1, 2, 3, And 4). The "Final Claims Are Credited To The Customer By The Manufacturer In The Amount Not To Exceed The Lesser Of The Maximum Total Cost Set Forth In The "Authorization For Corrective Work" Or The Total Direct Cost Of Corrective Work.

**\*\* IMPORTANT NOTE \*\***  
Cost Of Equipment (Rental Or Depreciation), Small Tools, Supervision, Overhead And Profit Are Not Subjected To Claims.

**SHIPMENT ARRIVAL TIME:**  
Every Effort Will Be Made To See That The Carrier Arrives At The Jobsite On The Requested Hour. Manufacturer Makes No Warranty And Accepts No Responsibility For Costs Associated With A Shipment Not Arriving At The Requested Time Unless A Separate Agreement Has Been Made In Writing For A Guaranteed Arrival Time.

**Unloading, Handling And Storage**

**STRUCTURAL:**  
A Great Amount Of Time And Trouble Can Be Saved If The Building Parts Are Unloaded At The Building Site According To A Pre-Arranged Plan. Proper Location And Handling Of Components Will Eliminate Unnecessary Handling.

**NOTE:**  
Piece Marks Are Stenciled On The Primary Structural Members At The Lower End, 1'-0" From The End. Inspect All Shipments Prior To Releasing The Tie-downs For Loads That May Have Shifted During Transit.

**REMEMBER SAFETY FIRST:**  
Blocking Under Columns And Rafters Protect The Splice Plates And The Slab From Damage During The Unloading Process. It Also Facilitates The Placing Of Slings And Cables Around Members For Later Lifting And Allows Members To Be Bolted Together Into Sub-assemblies While On The Ground. Extra Care Should Always Be Exercised In The Unloading Operation To Prevent Injuries From Handling Steel And To Prevent Damage To Materials And The Concrete Slab. If Water Is Allowed To Remain For Extended Periods In Bundles Of Primed Parts Such As Girts, Purlins, Etc., The Pigment Will Fade And The Paint Will Gradually Soften Reducing Its Bond To The Steel. Therefore, Upon Receipt Of A Job, All Bundles Of Primed Parts Should Be Stored At An Angle To Allow Any Trapped Water To Drain Away And Permit Air Circulation For Drying. Puddles Of Water Should Not Be Allowed To Collect And Remain On Columns Or Rafters For Some Reason.

The Coat Of Shop Primer Is Intended To Protect The Steel Framing Only For A Short Period Of Exposure To Ordinary Atmospheric Conditions. The Coat Of Shop Primer Does Not Provide The Uniformity Of Appearance, Or The Durability And Corrosion Resistance Of A Field Applied Finish Coat Of Paint Over Shop Primer.

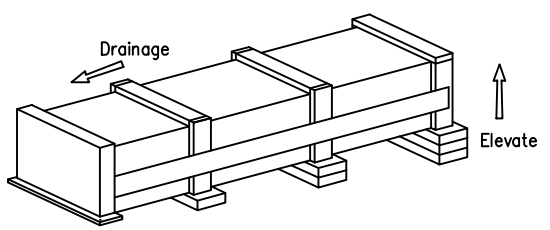
**Roof And Wall Panels**

Manufacturer's Roof And Wall Panels Include Color Coated, Galvalume, And Galvanized, Provide Excellent Service Under Widely Varied Conditions. All Unloading And Erection Personnel Should Fully Understand That These Panels Are Quality Merchandise, Which Merits Cautious Care And Handling.

**UNDER NO CIRCUMSTANCES SHOULD PANELS BE HANDLED ROUGHLY**  
Packages Of Sheets Should Be Lifted Off The Truck With Extreme Care Taken To Ensure That No Damage Occurs To Ends Of The Sheets Or To Side Ribs. The Packages Should Be Stored Off The Ground Sufficiently High To Allow Air Circulation Underneath The Packages. This Avoids Ground Moisture And Deters People From Walking On The Packages. One End Of The Package Should Be Elevated To Encourage Drainage In Case Of Rain. The Manufacturer Exercises Caution During Fabrication An Shipping Operations To Ensure That All Panel Stock Is Kept Dry. However Due To Climatic Conditions, Water Formed By Condensation Of Humid Air Become Trapped Between Sheets. Water Can Also Be Trapped Between The Stacked Sheets When Exposed To Rain. This May Discoloration Caused By Trapped Moisture. The Stain Is Usually Superficial And Has Little Effect On The Appearance Or Service Life Of The Panels As Long As It Not Permitted To Remain On The Panel. However, Moisture In Contact With The Surface Of The panel Over An Extended Period Can Severely Attack The Finish And Reduce The Effective Service Life. See R1-07 Titled "Damage From Condensation Or Trapped Water".

**CAUTION:**  
Care Should Always Be Taken When Walking On Panels. Use Safety Lines And Net When Necessary. Panels Are Slippery, Wipe Dry Any Moisture Or Surface Material That Has Puddle From Bundles Stored On A Slope. Dew, Frost, Or Other Forms Of Moisture Greatly Increase The Slipperiness Of The Panels. Always Assume Panel Surface Is Slippery And Act Accordingly. Never Walk Of Step On Skylights Or Translucent Panels.

Use Wood Blocking To Elevate And Slope The Panels In A Manner That Allows Moisture To Drain. Wood Blocking Placed Between Bundles Will Provide Additional Air Circulation. When Handling Or Uncrating The Panels, Lift Rather Than Slide Them Apart. Buried Edges May Scratch The Coated Surfaces When Sheets Are Slid Over One Another. Never Allow Panels To Be Walked On While On The Ground.



**Safety Commitment**

The Builder/Contractor Is Responsible For Applying And Observing All Pertinent Safety Rules And OSHA Standards As Applicable.

The Building Manufacturer Has A Commitment To Manufacture Quality Building Components That Can Be Safely Erected. However The Safety Commitment And Job Site Practices Of The Erector Are Beyond The Control Of The Building Manufacturer.

It Is Strongly Recommended That Safe Working Conditions And Accident Prevention Practices Be The Top Priority Of Any Job Site.

Local, State And Federal Safety And health Standards, Whether Standard Statutory Or Customary, Should Always Be Followed To Help Ensure Worker Safety.

Make Sure All Employees Know The Safest And Most Productive Way Of Erecting A Building. Emergency Procedures Should Be Known To All Employees. Daily Meetings Highlighting Safety Procedures Are Also Recommended. The Use Of Hard Hats, Rubber Sole Shoes For Roof Work, Proper Equipment For Handling Material And Safety Nets Where Applicable Are Recommended

For The Purposes Of Determining Lift Requirements, No Bundle Supplied By The Manufacturer Will Exceed 4,000 Pounds. For Further Information Also reference The Bill Of Materials For Individual Member Weights Of Structural Members. If Additional Information Is Required Contact The Field Service Department.

**ICE AND SNOW REMOVAL:**  
Excessive Ice And Snow Removal Should Be Removed From The Roof Immediately To Prevent Damage To Roof And Possible Collapse. Do Not Use Metal Tools To remove The Ice Or Snow As This Can Damage The Paint And/Or Galvalume Coatings. Also Be Careful Around Pipes And Flashings. Be Extremely Careful If Your Roof Has Light Transmitting Panels. These Panels Will Not Support A Person's Weight And Will Be Difficult Or Impossible To See If They Are Covered With Ice Or Snow. See MEMA Low-Rise Building Systems Manual, Appendix AB For Details On Snow Removal Procedures. These Procedures Should Commence When Half Of The Design Roof Snow Load Is Realized.

**DEBRIS REMOVAL:**  
Any Foreign Debris Such As Sawdust, Dirt, Leaves, Animal Droppings, Etc. Will Cause Corrosion Of The Roof, Gutters, Trim, Etc. If Left On The Building Surface For A Long Enough Time. The Roof Should Be Periodically Inspected For Such Conditions And If Found, They Should Be Rectified In A Manner Consistent With These Roof Maintenance Guidelines. Never Allow Treated Lumber Or Concrete/Mortar/Grout To Come In Contact With Roof Panels, Especially Galvalume For Extended Periods Of Time.

**PERIODIC INSPECTION:**  
All High-Strength Shall Be Periodically Be Inspected For Tightness. Particularly In Crane Buildings And After Seismic Or Wind Activity. The Crane Manufacturer Will Specify A Minimum Period But It Should Not Exceed Two Years.

**DRAINAGE:**

- Keep Roof Free Of Debris And Keep Debris Out Of Gutter To Allow Water Quickly Drain From The Roof.
- Do Not Use Wood Blocking To Hold Equipment Off The Panel Seams. This Blocks The Flow Of Water And Hold Moisture.
- Do Not Allow Rooftop AC Units Or Evaporative Coolers To Drain Onto The Roof.
- Anything That Traps Or Holds Moisture On A Roof Will Cause Premature Corrosion.

**Roof And Wall Panel Damage During Construction**

The Quality Of Workmanship In Steel Construction Practices And Handling Methods Used During The Construction Of The Metal Building Can Significantly Affect The Appearance And Performance Of The Building Panels. Panel Damage During Construction Can Be The Result Of Faulty Installation Methods And/or Carelessness.

Overdriven Fasteners Cause Indentations Or Shallow Pockets In The Panel Around The Fastener Head. Rain Water Or Condensation Moisture Combined With Atmospheric Pollutants (principally Sulfur Dioxides) And Dirt Particles Collect In These Pockets. The Combination Of Pollutants And Water Creates Acid Solutions That Will Cause Corrosion Damage To The Panel And Fastener. Rain May Wash Some Pollutants Away, But Moisture In Form Of High Humidity Can Keep These Areas Wet And Continue The Problem. Overdriving The Fastener Also Forces The Sealing Washer From Under The Head Creating A Leak At This Point. Proper Torque Adjustment Of The Screw Gun Or Preferably The Use Of A Depth Gauge Will Eliminate The Problem Of Overdriven Fasteners.

It Is Extremely Important That All Drill Shavings From The Installation Of Panel Fasteners And Fillings From The Saw Cutting Of Panels Be Removed From The Panel Surface. Corrosion Can Occur In A Matter Of Hours When These Shavings Or Fillings Are Not Removed And Are In Contact With Water Or Condensed Moisture. When Panels Are Pre-Drilled Or Cut In The Stock Prior To Erection All Shavings Must Be Cleaned From Both Sides Of The Panel To Prevent Corrosion Of The Panel By These Particles. It Is Imperative That The Roof Be Swept Clean At Least Daily And Certainly At Job Completion. The Final Cleaning Of The Roof Should Be Done Prior To Installing The Gutter So That The Shavings Are Not Deposited Into The Gutter And Left To Corrode. Any Other Foreign Objects Or Debris Left By Construction Personnel Should Also Be Removed From The Roof During The Erection Of The Roof And The Installation Of Such Equipment As Air Condition Units, Etc..

Personnel Walking On The Panel Can Cause Damage. Workmen Should Step Or Walk In The Broad Flat Areas Of The Panel And Avoid Stepping On The Panel Ends And Edges which Can Be Bent By Careless Handling. If This Damage Is Severe, The Edges Must Be Straightened Prior To Erection Since The Appearance And/or Weather Tightness. Of The Panel Could Be Affected. Dragging One Panel Across Another Can Cut Or Abrade The Coating Causing Unsightly Marks On The Panel Surface.

Attempts To Erect Panels During Windy Conditions Should Be Avoided To Prevent Damage And Of Safety Considerations.

Leaving Dirt Piled Against The Exterior Wall Panels At The Foundation Will Cause Panel Damage. This Dirt May Be Wet Or At Least Contain Some Moisture. Mud May Have Splashed Onto The Wall During Construction. Corrosion Damage May Occur Where This Dirt Or Mud Contacts The Panel. In Areas Where Lime Stabilization Of The Soil Is Required, Corrosion Damage From The Soil's Content Will Be Accelerated And Most Likely Be Severe. All Dirt Must Be Removed From The Panel Walls At The Time Of Completion Of Work. Pre-Painted Panels May Require Touch-up If The Coating Has Been Damaged During Handling Or Erection.

The Appearance Of The Building May Be Affected If Damaged Spots Or Scratches Are Located In Highly Visible Places Such As Around Doors, Windows, Etc.. If Damage Is Extensive Then Replacement Of The Entire Panel Should Be Considered.

**Never Step On Light Transmitting Panels (LTP's) Or Unattended Roof Panels**



Roof Panels Must Be Completely Attached To The Purlins And To Panels On Either Side Before They Can Be A Safe Walking Surface. Light Transmitting Panels LTP's) Translucent Panels Can Never Be Considered As A Walking Surface.

Partially Attached Or Unattached Panels Should Never Be Walked On!

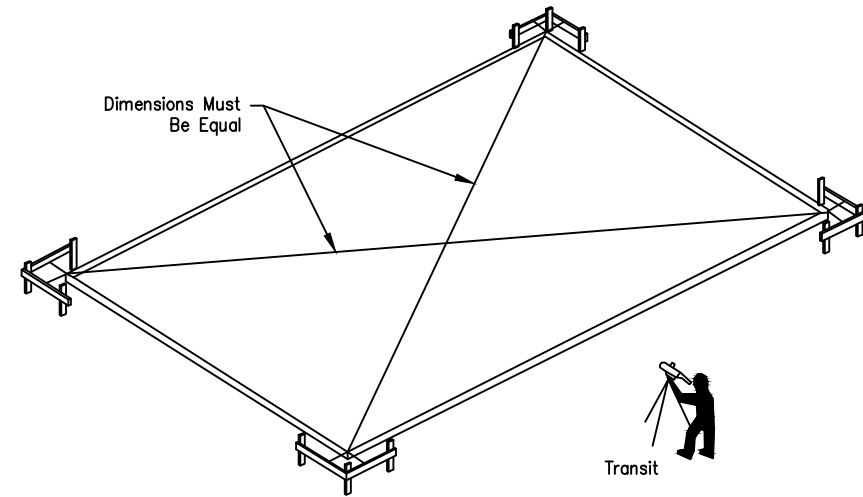
Do Not:

- Step On Rib At Edge Of Panel.
  - Step Near Crease In Rib At Edge Of Panel.
  - Step Within 5 Feet Of Edge On Unsecured Panel.
- A Single Roof Panel Must Never Be Used As A Work Platform. An OSHA Approved Runway Should Be Used For Work Platforms. (Consult OSHA Safety And Health Regulations For The Construction Industry). Safety First!

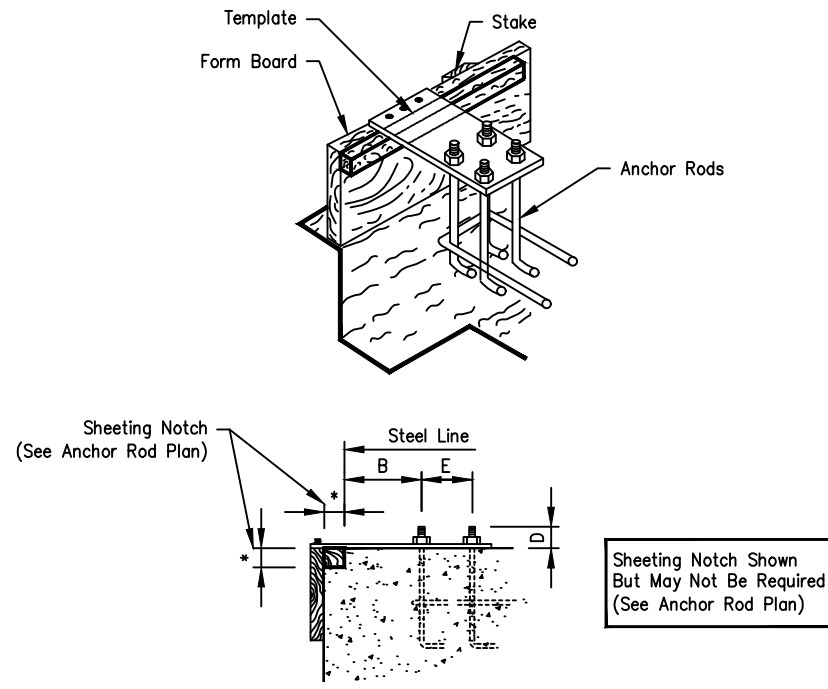
Description	CK'd								
	By	ATM							
Date	04/07/22	FOR CONSTRUCTION PERMIT							
	Revision	A							
Manufactured By:	METALLIC BUILDING SYSTEMS		MICHAEL W. CUSTER, P.E.		STOCKS & TAYLOR CONSTRUCTION INC.		STOCKS & TAYLOR CONSTRUCTION INC.		
	442 OAKRIDGE DRIVE CORPELL, NY 17918 PHONE 972-571-7082		1825 CAROLINA AVENUE NC HWY 168 SELDEN TAYLOR		CURRIPOCK, NC 27929 US		Customer: STOCKS & TAYLOR CONSTRUCTION INC.		
Drawing Status:		<input type="checkbox"/> (Revised Construction)		<input type="checkbox"/> For Approval		<input type="checkbox"/> For Construction Permit		<input checked="" type="checkbox"/> For Erector Installation	
Scale:		NOT TO SCALE							
Drawn by:		AYM 4/7/22							
Checked by:		NXS							
Project Engineer:									
Job Number:		18-B-48052-1							
Sheet Number:		R1 of 13							
This document was produced by and/or under my direct supervision.									

**Building Anchorage**

- To Determine That The Foundation Is Square, Measure Diagonal Dimensions To Be Sure They Are Of Equal Length.
- To Determine That The Foundation Is Level, Set Up A Transit Or Level And Use A Level Rod To Obtain The Elevation At All Columns.
- Carefully Check The Location Of All Anchor Rods Against The Anchor Rod Setting Plan Furnished By The Manufacturer. All Dimensions Must Be Identical To Assure A Proper Start-up.



It Is Extremely Important That Anchor Rods Are Placed Accurately And In Accordance With The Anchor Rod Setting Plan. All Anchor Rods Should Be Held In Place With A Template Or Similar Means, So That They Will Remain Plumb And In Correct Location During The Placement Of The Concrete. A Final Check Should Be Made After Completion Of The Concrete Work And Prior To The Steel Installation. This Will Allow Necessary Corrections To Be Made Before Costly Installation Labor And Equipment Arrives.

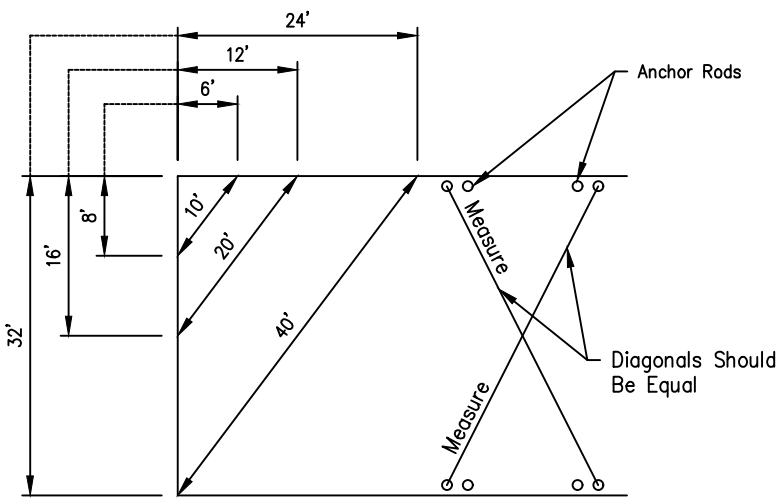


**Pre-Erection Notes:**

The Following Notes, Procedures And Suggested Recommendations Are Important Parts Of The Pre-Erection Process.

- Prior To The Time The Erection Crew Arrives, A Responsible Person Should Check The Job Site For Foundation Readiness, Square, And Accuracy And Anchor Rod Size And Location.

The Drawing Shown Below Indicates A Method Which May Be Used To Check The Foundation And Bolts For Square.

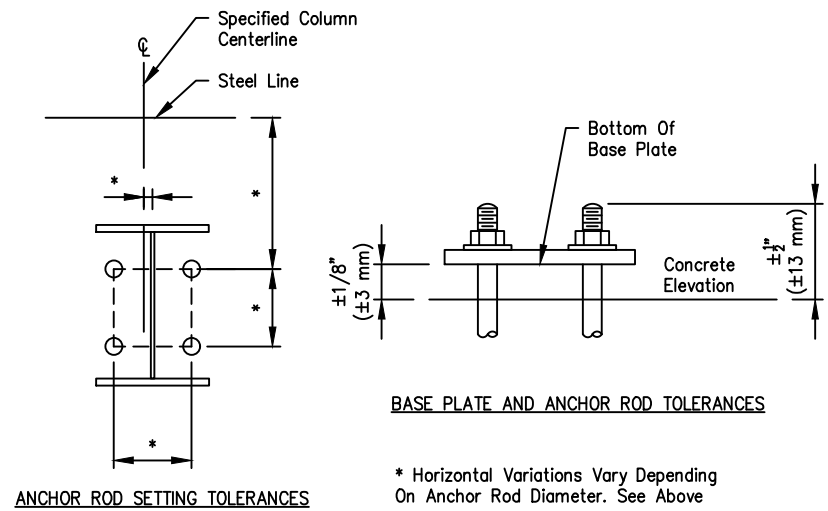


**AISC Code Of Standard Practice For Steel Building And Bridges Tolerances For Setting Anchor Rods**

Anchor Rod Diameter, Inches (mm) \*Horizontal Variation, Inches (mm)

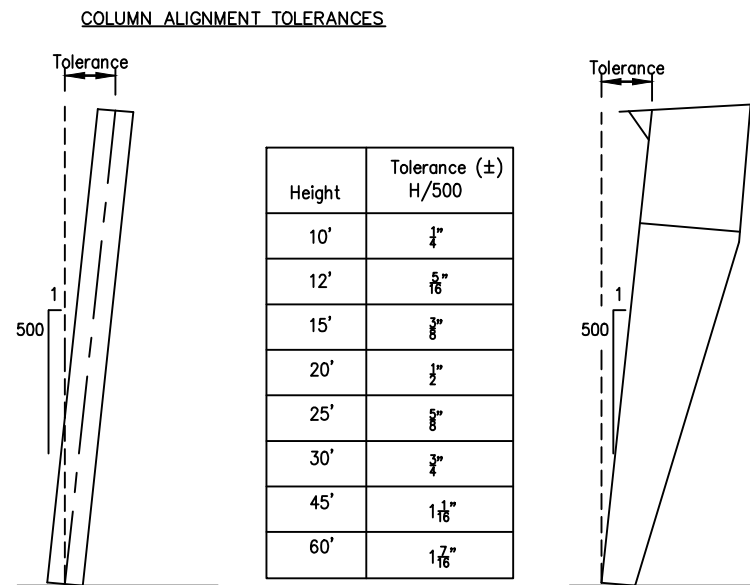
3/4" and 1" (19 And 22 mm)	1/4" (6 mm)
1", 1 1/4", 1 1/2" (25, 31, 38 mm)	3/8" (10 mm)
1 3/4", 2", 2 1/2" (44, 50, 63 mm)	1/2" (13 mm)

Measure Along Adjacent Sides Of Foundation Using A Pair Of Dimensions Shown. If The Diagonal Distance Between These Points Is As Noted, The Corner Is Square. Diagonal Measurements Between Opposite Anchor Rods Will Indicate If These Bolts Are Set Square.

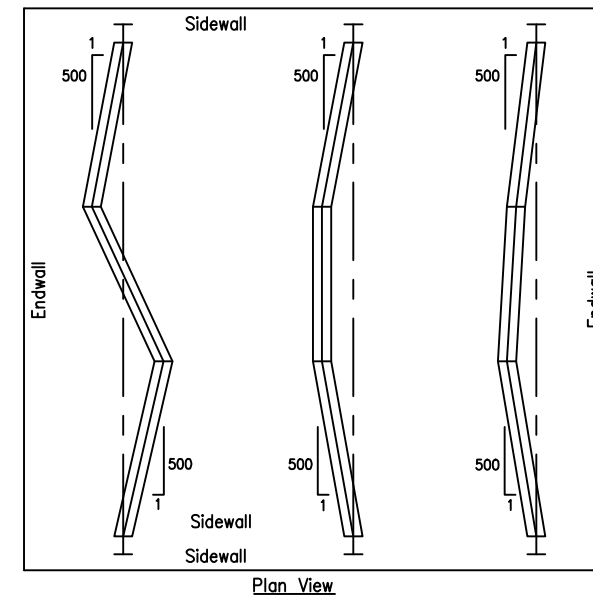


**Erection Tolerances**

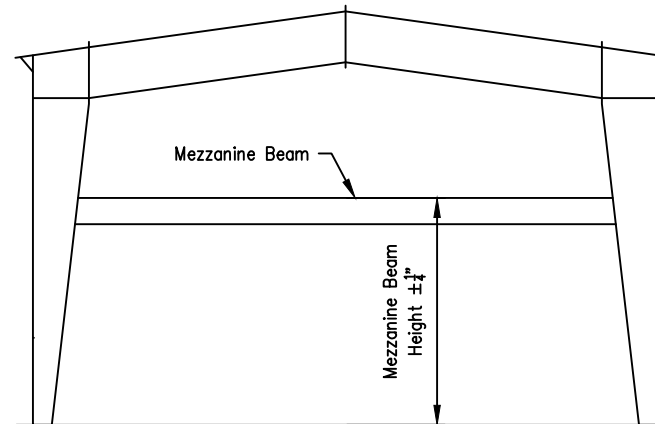
**ERECTION BRACING:**  
It Is The Responsibility Of The Erector To Determine, Furnish And Install All Temporary Supports Such As Temporary Guys, Beams, Falsework, Cribbing, Or Other Elements Required For The Erection Operation (In Accordance With Section 7.10.3 OF ANSI/AISC 303, Code Of Standard Practice For Steel Building And Bridges).



**ALIGNMENT TOLERANCE FOR MEMBERS WITH FIELD SPLICES**



**MEZZANINE BEAM HEIGHT TOLERANCE**



**General Erection Notes**

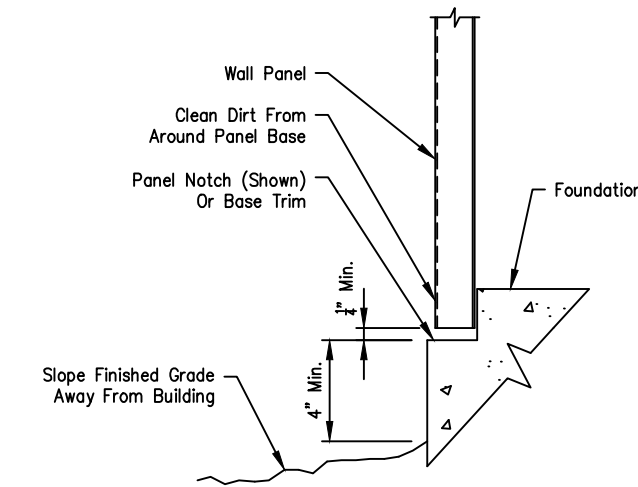
1.) All Structural Framing Members, Purlins, Girts, Clips, Flange Braces, Bolts, Bracing Systems, Roof And Wall Panels, Etc. Must Be Installed As Shown On Erection Drawings.

2.) It Is Extremely Important, Especially During Construction, That Panels At The Eaves, Rakes And Ridges Be Kept Secure.

**Panel Cautions And Notes**

To Minimize Potential Of Corrosive Action At The Bottom Edge Of Wall Panels, The Contractor Must Assure That The Following Procedures Are Followed:

- The Concrete Foundation Should Be Cured For A Minimum Of Seven (7) Days Before Wall Panels Are Installed. (Uncured Concrete Is Highly Alkaline And Metal Panels Can Undergo Varying Degrees Of Corrosive Attack When In Direct Contact With The Concrete.) After The First Week Of The Curing Cycle, The Reaction Between Metallic Coatings On Steel And The Concrete Is Essentially Halted.
- Top Of Finish Grade At Building To Be A Minimum Of Four (4) Inches Below Bottom Of Panel.
- Finish Grade Is To Slope Away From Building To Ensure Proper Drainage.
- Upon Completion Of Finish Grading, All Dirt Is To Be Cleaned From Around Base Of Wall Panel Where It May Have Collected In Panel Notch Or On Base Trim.



**Fastener Installation**

Correct Fastener Installation Is One Of The Most Critical Steps When Installing Roof/Wall Panels. Drive The Fastener In Until It Is Tight And The Washer Is Firmly Seated. Do Not Overdrive Fasteners. A Slight Extrusion Of Neoprene Around The Washer Is A Good Visual Tightness Check. Always Use The Proper Tool To Install Fasteners. A Fastener Driver (Screw Gun) With A RPM Of 1700-2000 Should Be Used For Self-Drilling Screws. A 500-600 RPM Fastener Driver Should Be Used For Self-Tapping Screws. Discard Worn Sockets, These Can Cause The Fastener To Wobble During Installation.

Note: Always Remove Metal Filings From Surface Of Panels At The End Of Each Work Period. Rusting Filings Can Destroy The Paint Finish And Void Any Warranty.



**Tape And Tube Sealant**

Proper Tape And Tube Sealant Application Is Critical To The Weather Tightness Of A Building. Tape Sealant Should Not Be Stretched When Installed. Apply Only To Clean, Dry Surfaces. Keep Only Enough Sealants On The Roof That Can Be Installed In A Day. During Warm Weather, Store Sealants In A Cool Dry Place. During Cold Weather (below 60°) Sealants Must Be Kept Warm (60°-90°) Until Application. After Tape Sealant Has Been Applied, Keep Protective Paper In Place Until Panel Is Ready To Be Installed.

**Important Note**

All Details, Recommendations And Suggestions Contained In This Erection Guide Of This Drawings Set Are For General Guidelines Only, And Not Meant To Be All-inclusive. Industry Accepted Installation Practices With Regard To All Areas Not Specifically Discussed In This Section Should Be Followed. Only Experienced, Knowledgeable Installers Familiar With Accepted Practices Should Be Used To Assure A Quality Project.

It Is Emphasized That The Manufacturer Is Only A Manufacturer Of Metal Building Components And Is Not Engaged In The Installation Of Its Products. Opinions Expressed By The Manufacturer About Installation Practices Noted In The Erection Guide Are Intended To Represent Only A Guide. Both The Quality And Safety Of Installation And The Ultimate Customer Satisfaction With The Completed Building Are Determined By The Experience, Expertise, And Skills Of The Installation Crews, As Well As The Equipment Available For Handling The Materials. Actual Installation Operations, Techniques And Site Conditions Are Beyond The Manufacturers Control.

Revision	Date	Description
A	04/07/22	FOR CONSTRUCTION PERMIT

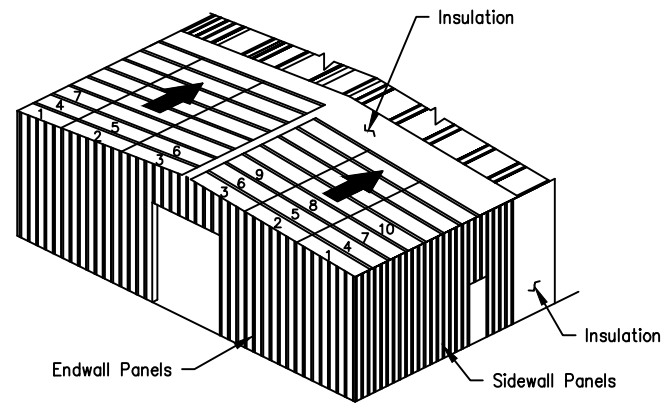
  

Manufactured By:	METALLIC BUILDING SYSTEMS <b>MICHAEL W. CUSTER, P.E.</b> CORP., 642 OAKLAND DRIVE CORPELL, NY 75018 PHONE 972-511-7082
Customer:	STOCKS & TAYLOR CONSTRUCTION INC. 1825 CAROLINA AVENUE WILSON, NC 27804 SELDEN TAYLOR PHONE 278-891-3669
Project Name & Location:	STOCKS & TAYLOR CONSTRUCTION INC. NC HWY 168 CURRITUCK, NC 27929 US
Drawing Status:	<input type="checkbox"/> Preliminary Construction <input type="checkbox"/> For Approval <input checked="" type="checkbox"/> For Construction Permit <input type="checkbox"/> For Erector Installation
Scale:	NOT TO SCALE
Drawn by:	AYM 4/7/22
Checked by:	NXS
Project Engineer:	
Job Number:	18-B-48052-1
Sheet Number:	R2 of 13

This document was produced by and/or under my direct supervision.

**PBR Roof Panels**

For PBR Roofs With Ridge Panels, It Is Recommended That Both Sides Of The Ridge Be Sheeted Simultaneously. This Will Keep The Insulation Covered For The Maximum Amount Of Time And The Panel Ribs Can Be Kept In Proper Alignment For The Ridge Panel. This Is Critical On The PBR Panels So That The Ridge Caps Can Be Properly Installed. Check For Proper Coverage As The Sheeting Progresses.



Install The First Run Of Roof Panels Across The Building From Eave To Eave Or Eave To Ridge. To Allow Proper Installation Of The Rake Trim, The Starting Location For The First Panel Must Be As Shown In The Rake Details Included With The Erection Drawings. When The First Run Is Properly Located And Aligned With The Correct Endlaps And Eave Overhangs, Fasten To Purlins. Roof Panels Should Be Installed So That The Sidelap Is In A Direction Away From Prevailing Wind. Refer To Appropriate Lap Details Included With The Erection Drawings.

Install Remaining Roof Insulation And Panels. To Avoid Accumulative Error Due To Panel Coverage Gain Or Loss, Properly Align Each Panel Before It Is Fastened. Occasional Checks Should Be Made To Ensure That Correct Panel Coverage Is Maintained. Special Attention Should Be Given To Fastener, Sealant and Closure Requirements. Refer To Details Included With The Erection Drawings.

At Finishing End Of Roof, The Last panels May Require Field Modification For Installation Of Rake Trim. Refer To Rake Details Included With The Erection Drawings. DO NOT BACK LAP THROUGH FASTENED ROOF PANELS.

**NOTE:** Roof Types And Installation Requirements Will Vary. Refer To The Appropriate Details For Specific Panel Used.

**IMPORTANT:** Loose Fasteners, Blind Rivets, Drill shavings, Etc., Must Be Removed From The Roof To Guard Against Corrosion.

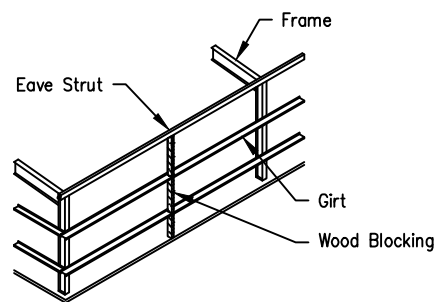
**Wall Panels**

Proper Horizontal And Vertical Alignment Of Supporting Structure (Girts Or Other Framing) Is The Responsibility Of The Installer. Failure To Align The Secondary members Properly Prior To Wall Installation Can Have A Direct Impact On The Final Appearance And Performance Of The Installed Wall System For Which The Metal Building Manufacturer Is Not Responsible.

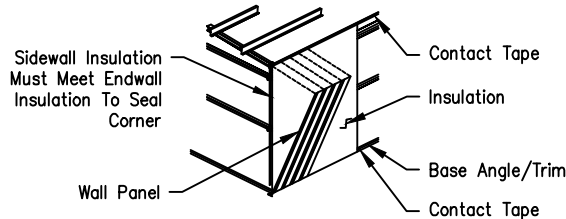
Before Installing Wall Panels, The Girts Must Be Aligned To A Level Position So That There Is No Visible Sag. This Should Be Done Directly Ahead Of Panel Installation.

Girt Leveling May Be Accomplished By Standing A Section Of Gable Angle Vertically Against The Outside Girt Flanges At Approximate Mid-bay Location. When Girts Are Level, Attach The Girt Flanges To The Angle With Vise Grip Pliers Or Temporary Screws. Wood Blocking Cut To Fit The Spaces May Also Be Used For Alignment.

**Note:** Temporary Girt Blocking Is Not Recommended On Concealed Fastener Panels. The Removal Of The Blocks After Panel Installation Can Cause Oil Canning.

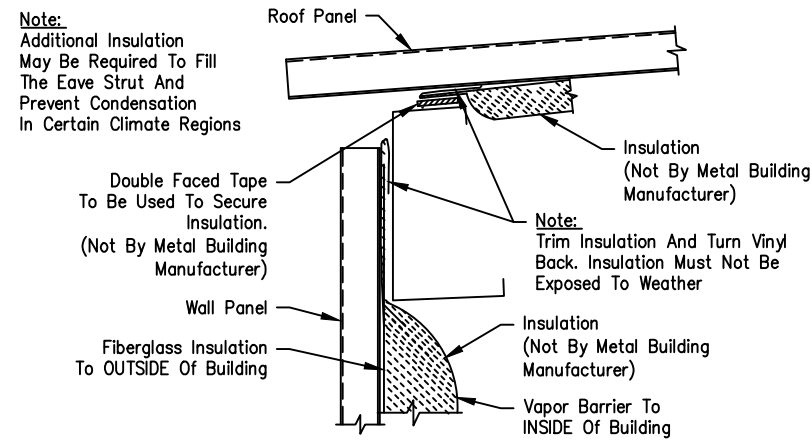


**Note:** Wall Panel Type And Installation Details Will Vary. Refer To The Erection Drawings And Details For The Specific Panel Used For Your Building.

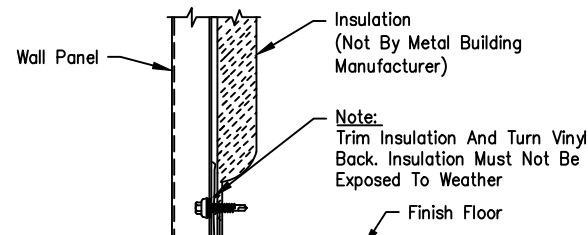


If Walls Are To Be Insulated With Blanket Insulation Over Girt Flanges, Base And Eave, Place A Continuous Run Of Contact Tape Along The Eave Strut And Base Member.

**Note:** At The Base, Cut Off The Insulation A Minimum Of 1/2" Above The Bottom Of The Wall Panel. This Will Prevent The Insulation From Hanging Below The Wall Panel And Wicking Moisture.



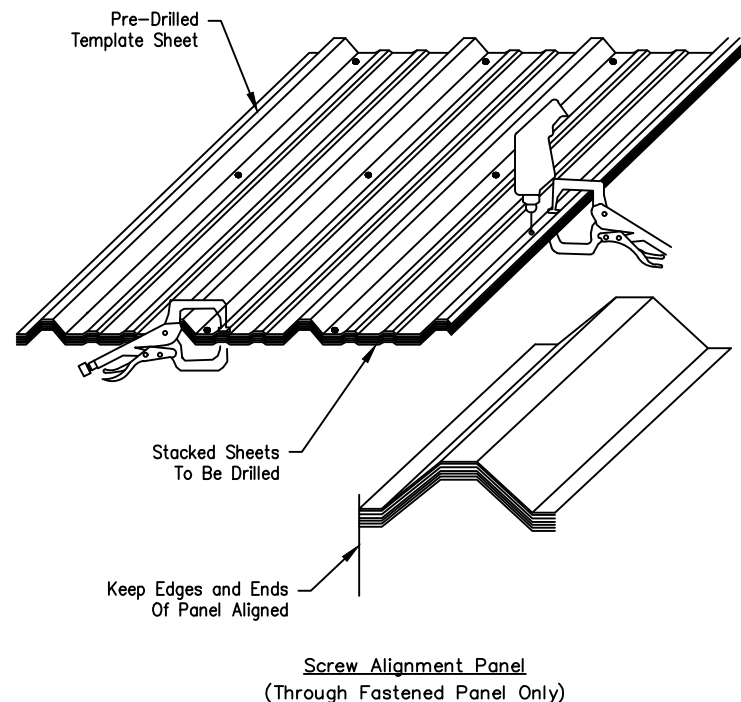
**Eave Detail**  
(See Erection Drawings)



**Base Detail**  
(See Erection Drawings)

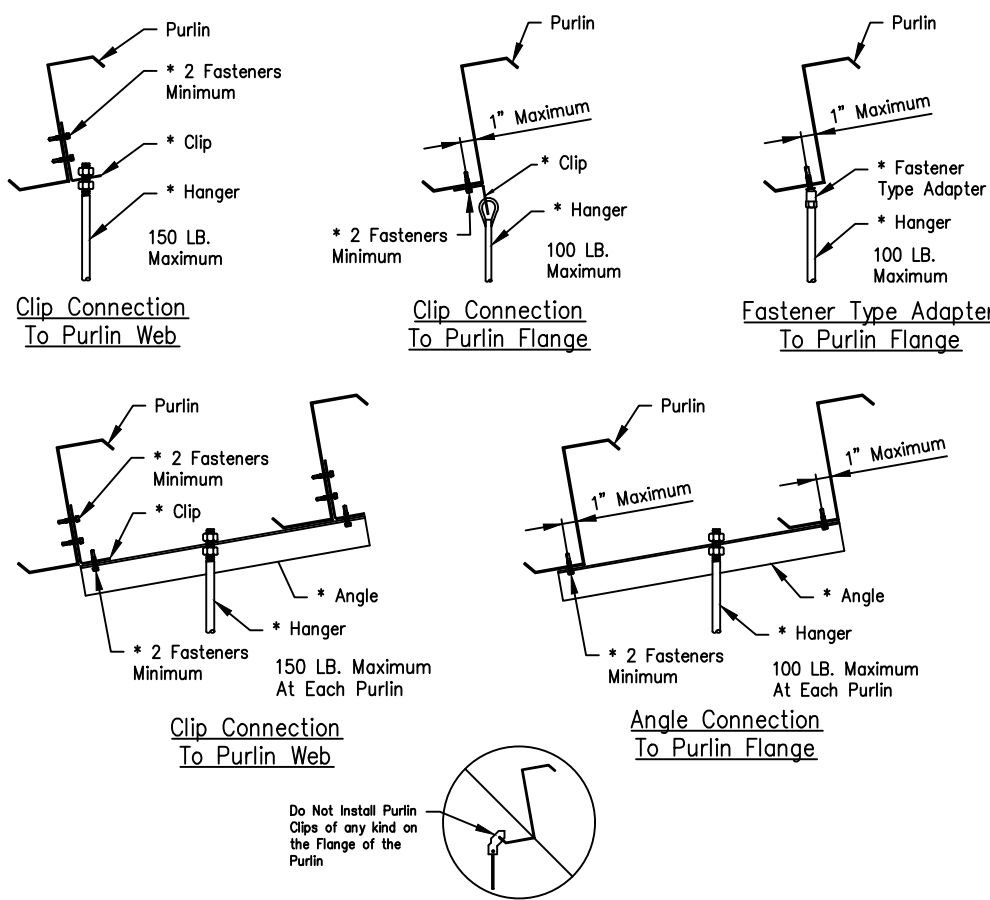
Sidewall Panels Should Be Installed So That The Panel Sidelap Is In A Direction Away From The Prevailing Wind. Refer To Appropriate Lap Detail Included With Erection Drawings.)

**Note:** Check Periodically To Ensure That All Panels Are Aligned And Plumb.



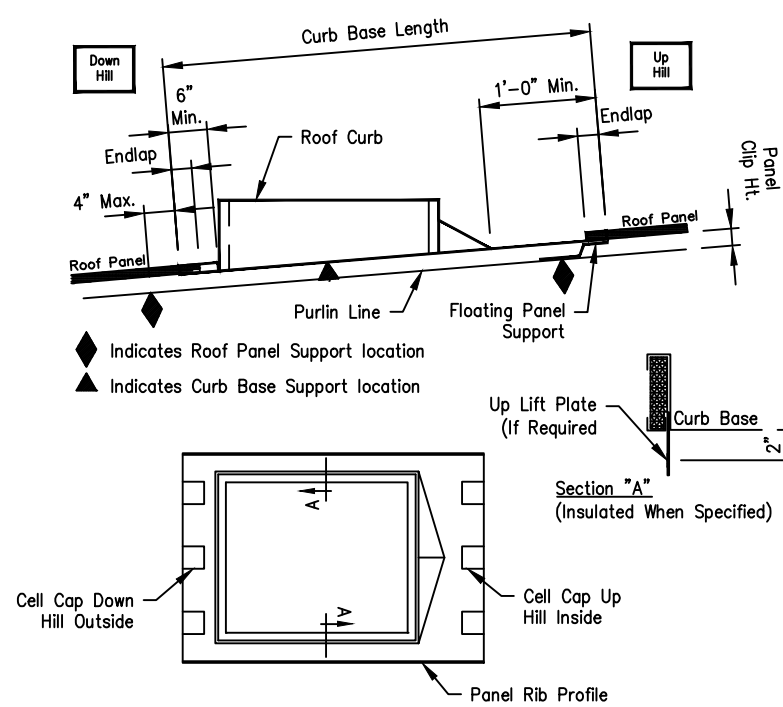
**Note:** After Drilling Panels, It Is Important To Clean Metal Filings Off All Panel Surfaces, Including Between Panels That Are Not Installed That Day, To Avoid Rust Stains.

**Suggested Method Of Purlin Attachment For Building Accessories**



\* Denotes Material Not Provided By Metal Building Manufacturer.  
The Total Hanger Load Shall Not Exceed The Design Collateral Load For The Building. Example: 5'-0" (Purlin Spacing) X 5'-0" (Hanger Spacing) X 6 PSF (collateral Load) = 150 Lbs.  
See Cover Sheet For Design Collateral Load For This Building.  
**Note:** If The Building Is Designed For 0 PSF Collateral Load, Then Adding Any Suspended System (i.e. Duct Work, Piping, Lights, Ceilings, Etc.) Will Correspondingly Reduce The Design Live Load.

**Roof Curbs When Not Supplied By Building Manufacturer**



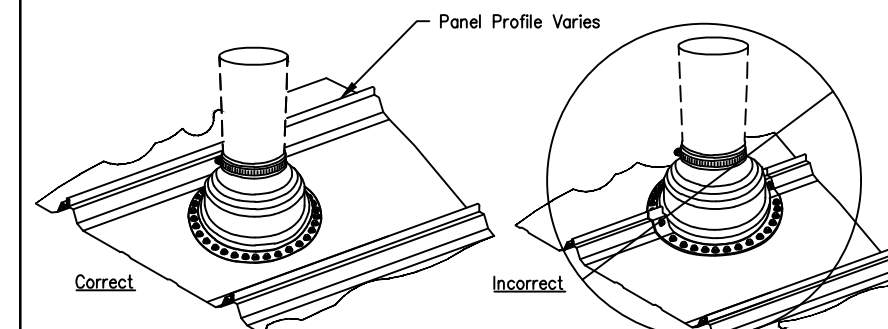
The Curb Details Shown Illustrate The Building Manufacturers Recommended Curb Style And Installation Method. It Is The Erector/Installer's Responsibility To Provide The Proper Curb Style And Install Them In Accordance With The Procedures Established By These Details. Failure By The Erector/Installer To Follow These Recommendations May Result In The Curbs Damaging The Roof System Or Excluded From Warranties.

- All Roof Curbs To Be:
1. .080 Aluminum Or 18 Ga. Stainless Steel (No Galvalume® Or Galvanized).
  2. Panel Rib To Panel Rib (No Flat Skirt Or Lay-Over Curbs).
  3. Installed With Down Hill End Over Panel And Up Hill End Under Panel Application For Water Flow At Panel Splice.
  4. Up Lift Prevention For Clip Applied Roof Systems Are Required If:
    - a. Wind Loads Exceed 110 MPH.
    - b. Curb Base Crosses A Purlin.
  5. Supported on (4) Sides By Primary Or Secondary Framing.
  6. Maximum Single Curb Weight Recommended Is 1500 Lbs.

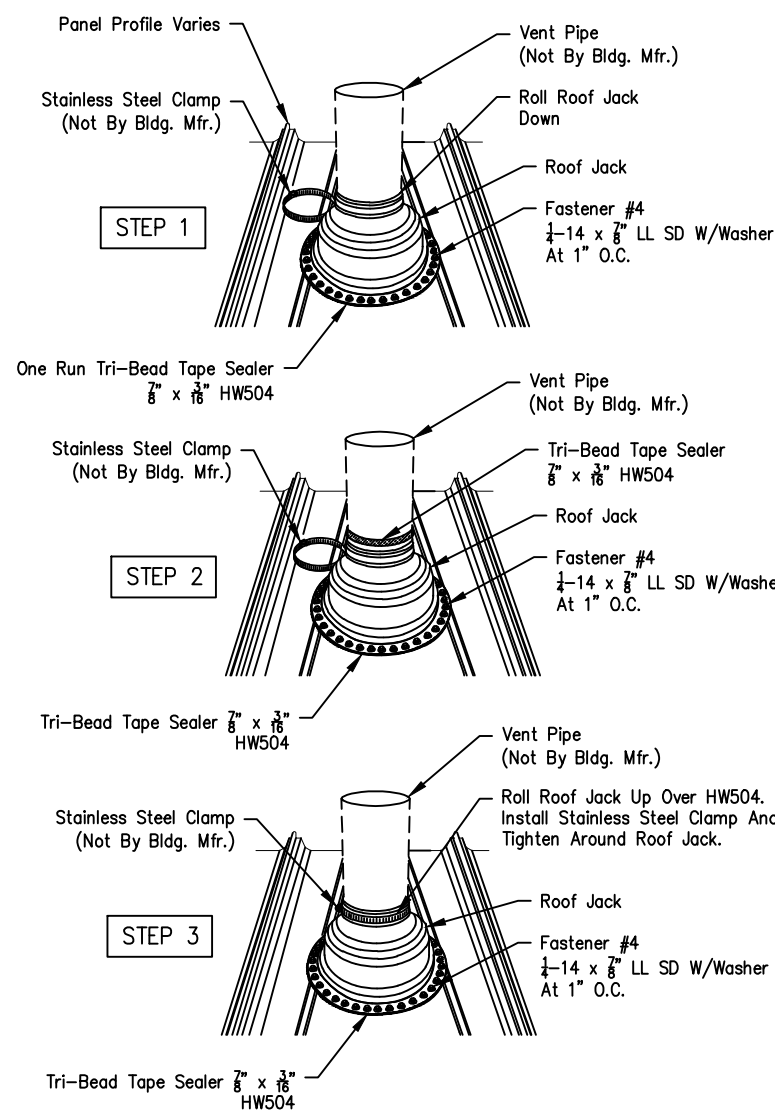
**Roof Jack Installation when Not Supplied By Building Manufacturer**

**General Installation Notes**

- Do Not Use Galvanized Roof Jacks, Lead Hats, Or Other Residential Grade Roof Jacks. These Roof Jacks Do Not Have 20 Year Service Life And In Case Of Lead Hats Will Cause Galvanic Corrosion Of The Roof Panel.
- Use EPDM Rubber Roof Jacks With An Integral Aluminum Band Bonded Into The Perimeter Of The Base. EPDM Roof Jacks Have A Temperature Range From -65°F To 212°F. Use Silicone Roof Jacks For High Temperatures. Silicone Roof Jacks Have A Temperature Range Of -100°F To 437°F.
- Retrofit Roof Jacks Are Available For Applications In Which The Top Of The Pipe Is Inaccessible, Eliminating The Possibility Of Sliding The Roof Jack Over The Top Of The Pipe.
- Do Not Use Tube Sealant To Seal The Roof Jack To The Roof Panels. Use Roll Tape Sealer Between The Roof Jack And The Roof Panel And Attach The Roof Jack To The Roof Panel With Fastener #4 1/4 x 1/8" LL SD W/washer At 1" O.C. Around The Base Of The Roof Jack. See Table Below For Quantities.
- Trim The Top Of The Roof Jack To Fit Over The Pipe, Roll Down The Roof Jack Over The Pipe And Apply Tape Sealer For The Perimeter Of The Roof Jack Base Between The Roof Jack And The Roof Panel. Apply Tape Sealer Around The Pipe And Install A Stainless Steel Clamp (Not By Bldg. Mfr.) Over The Top Of The Roof Jack And Firmly Tighten To Form A Secure Compression Seal.
- If The Pipe Diameter Is So Large To Block The Flow Of Water Down The Roof Panel, A Flat Base Roof Curb Must Be Installed Into The Roof And The Roof Jack Will Be Sealed To The Curb. A Two Piece Curb May Be Required When The Top Of The Pipe Is Inaccessible.
- In Northern Climates, The Pipe Penetration Should Be Protected From Moving Ice Or Snow With A Snow Retention System Immediately Up Slope From The Pipe.



Install Pipe In Center To Allow Base Of Roof Jack To Lay Flat on Panel. Cannot Encompass More Than 75% Of Panel.



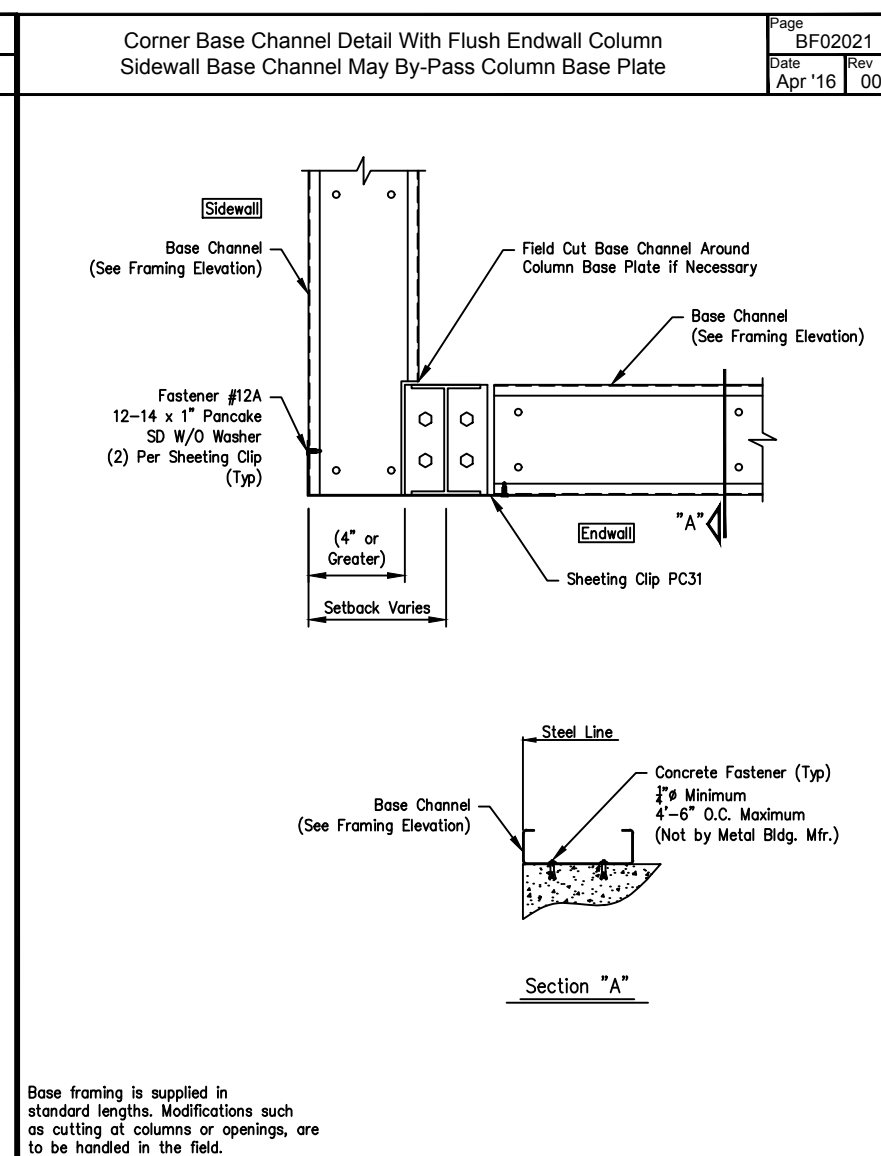
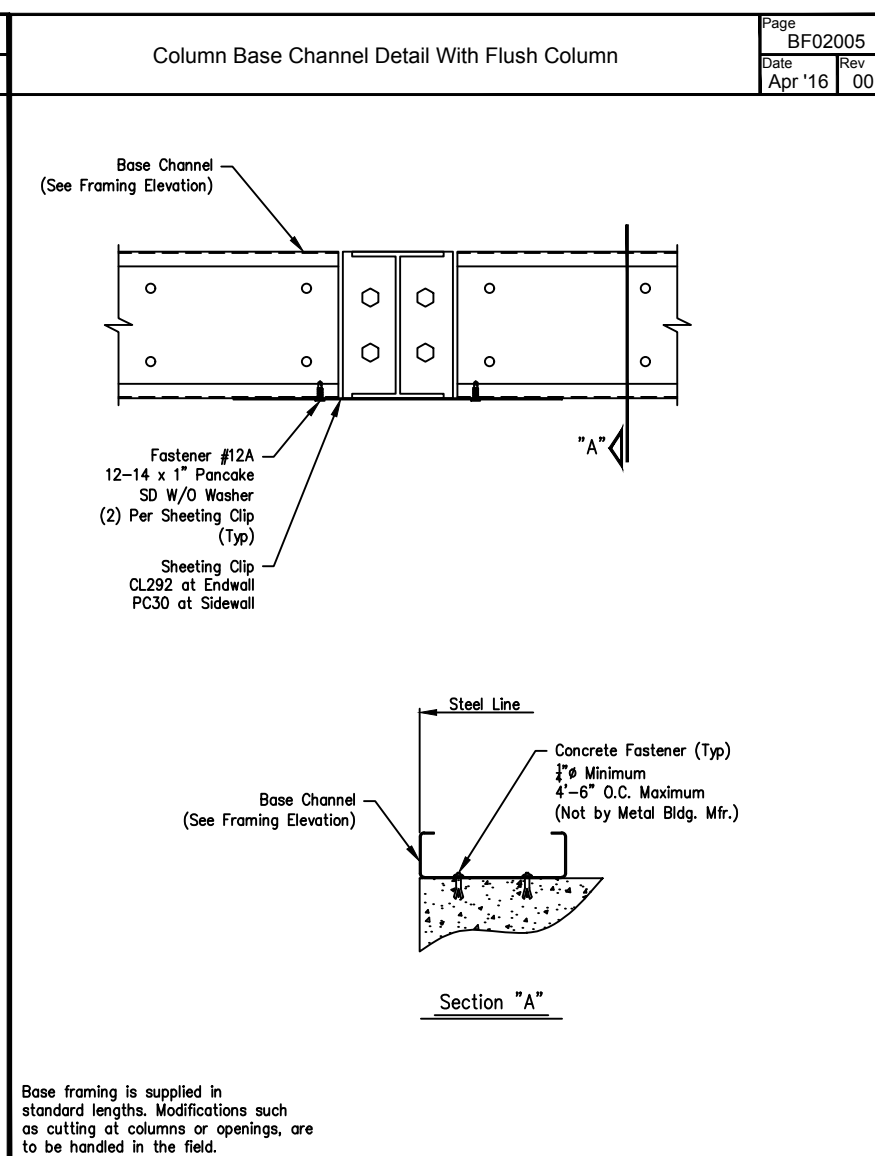
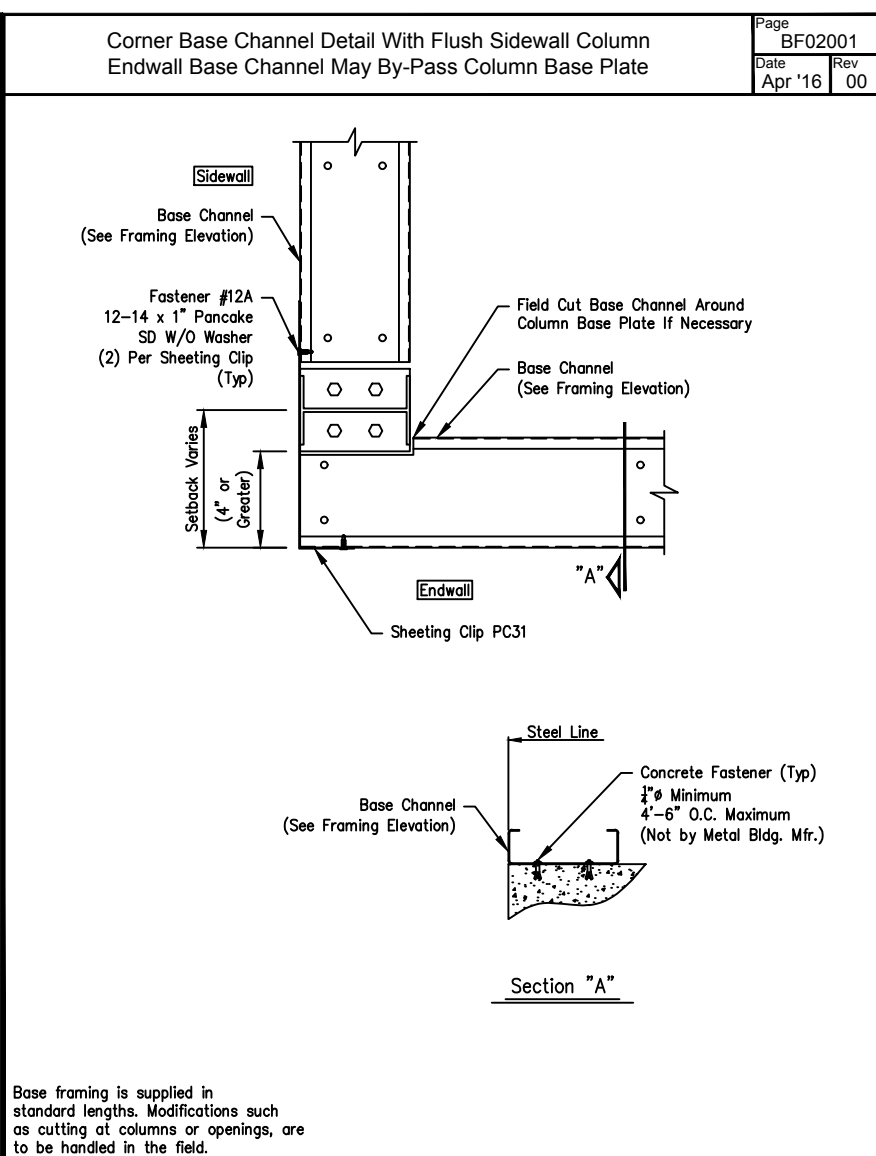
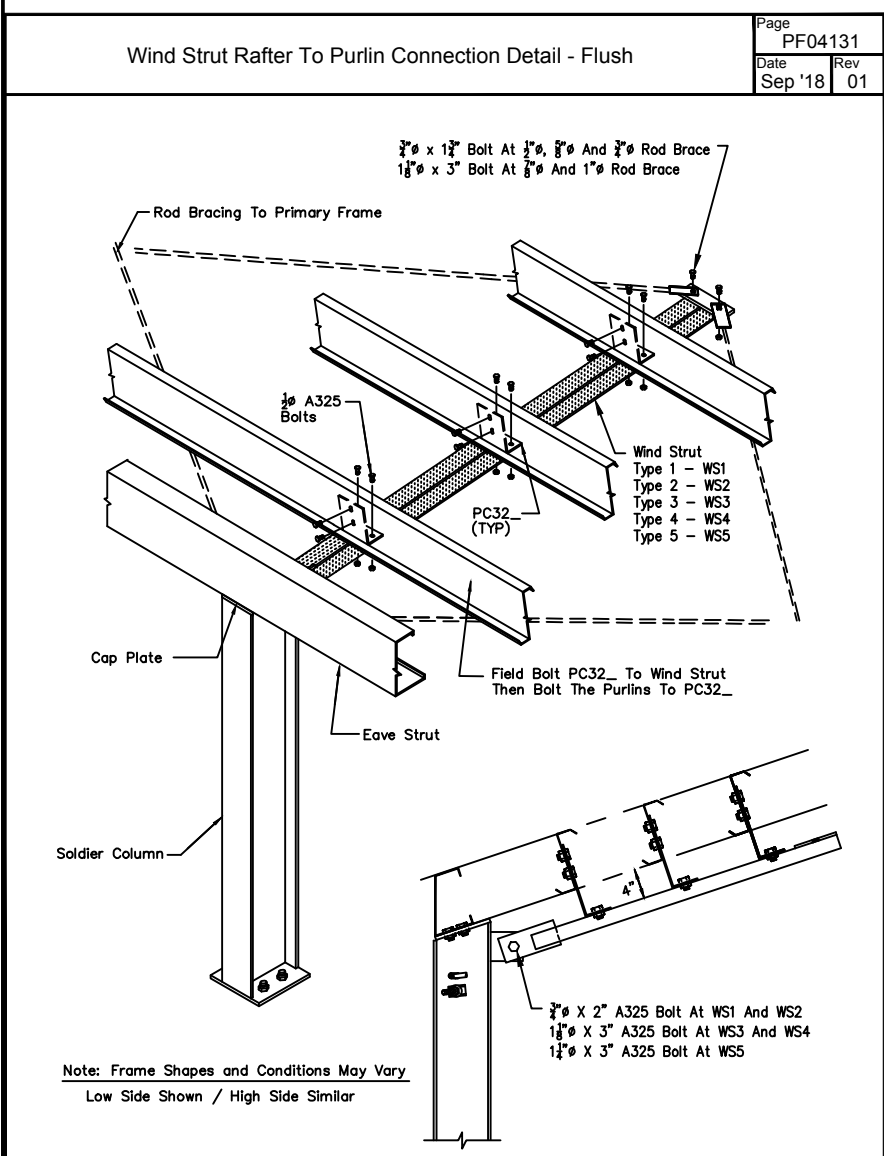
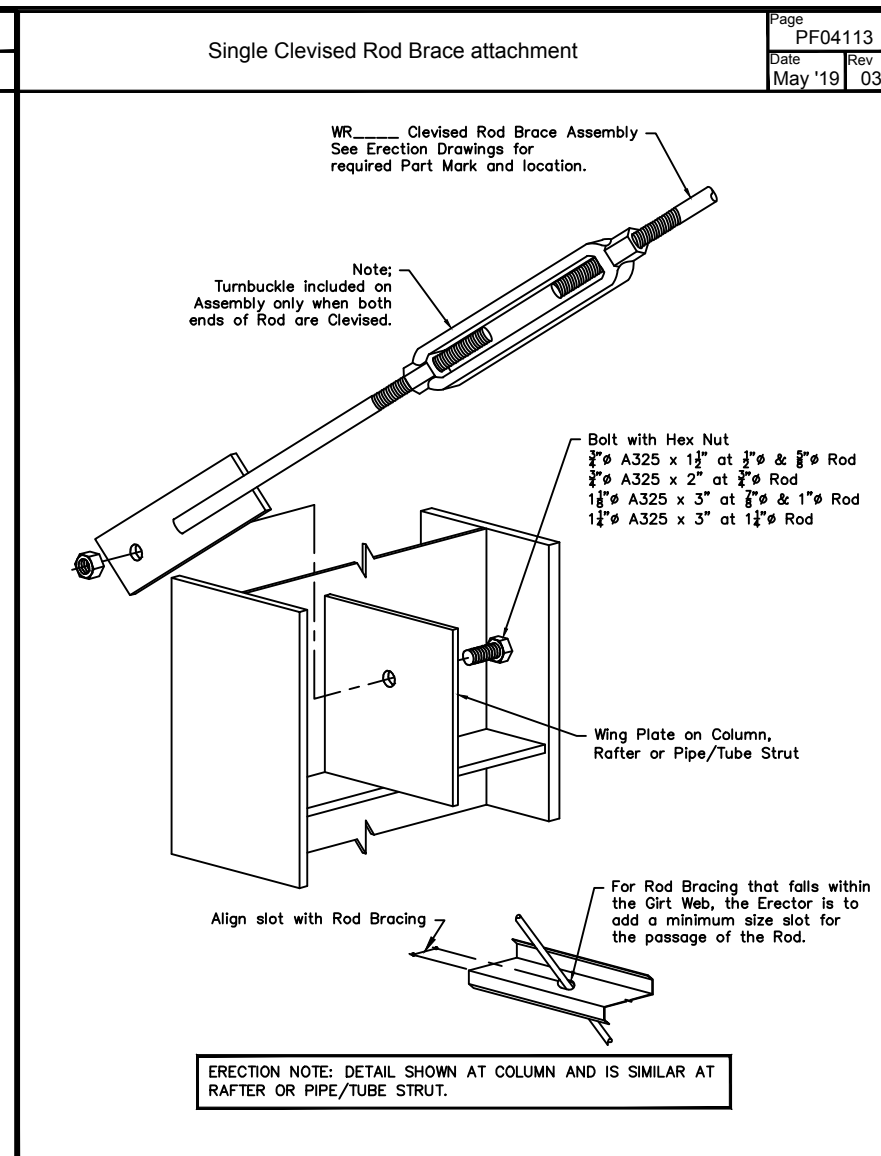
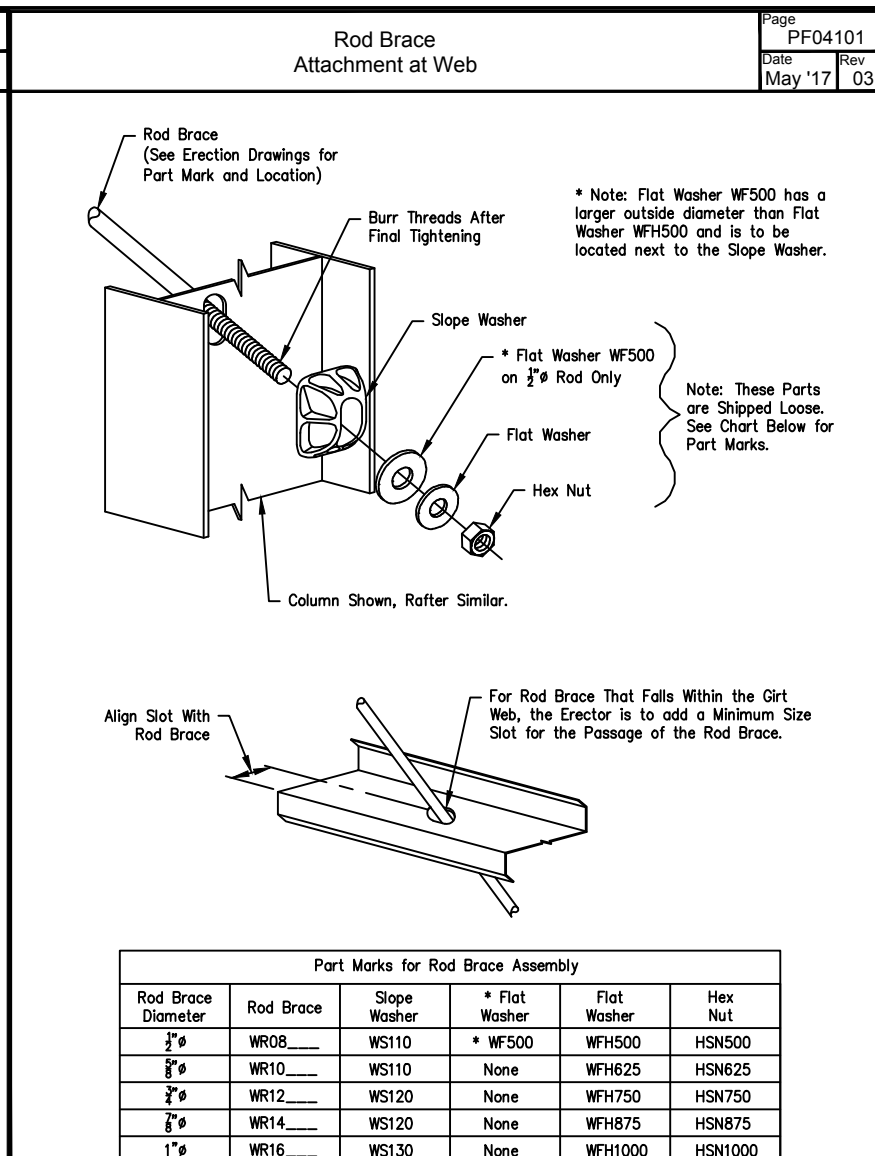
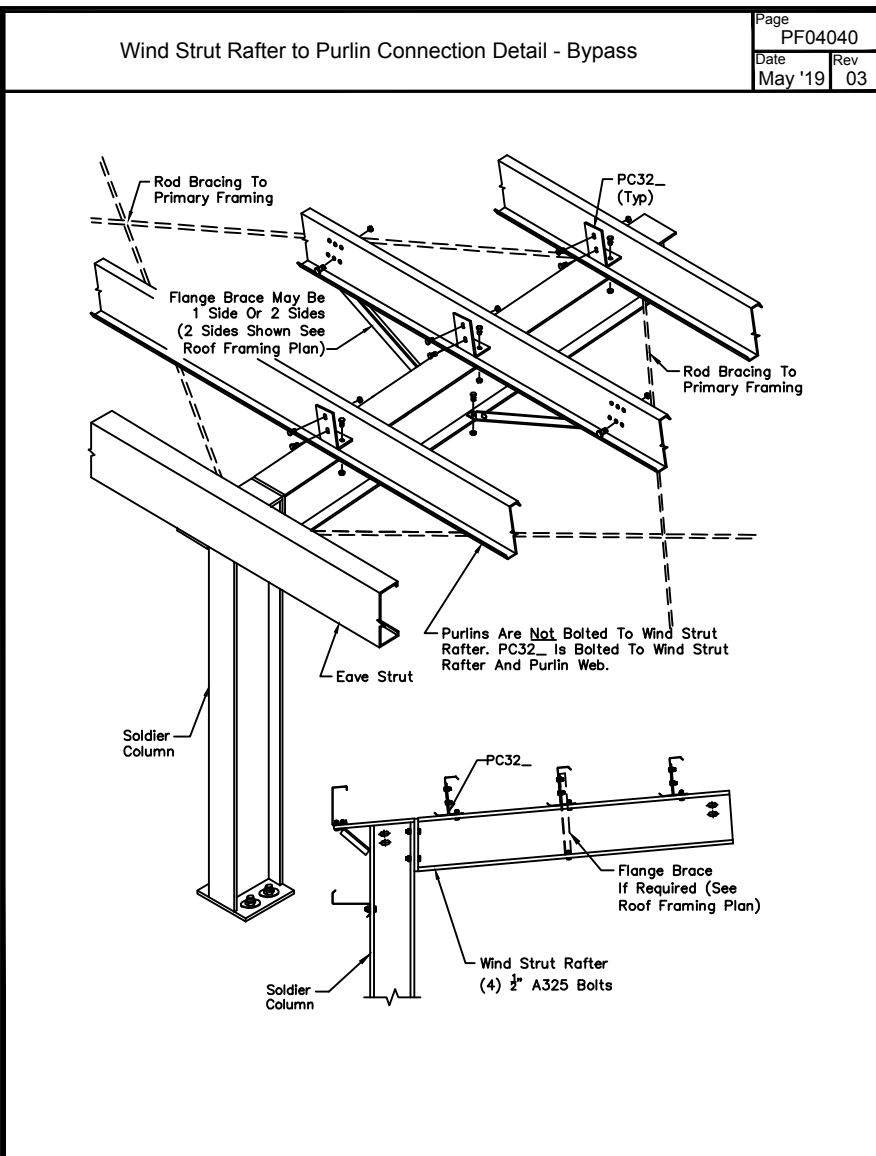
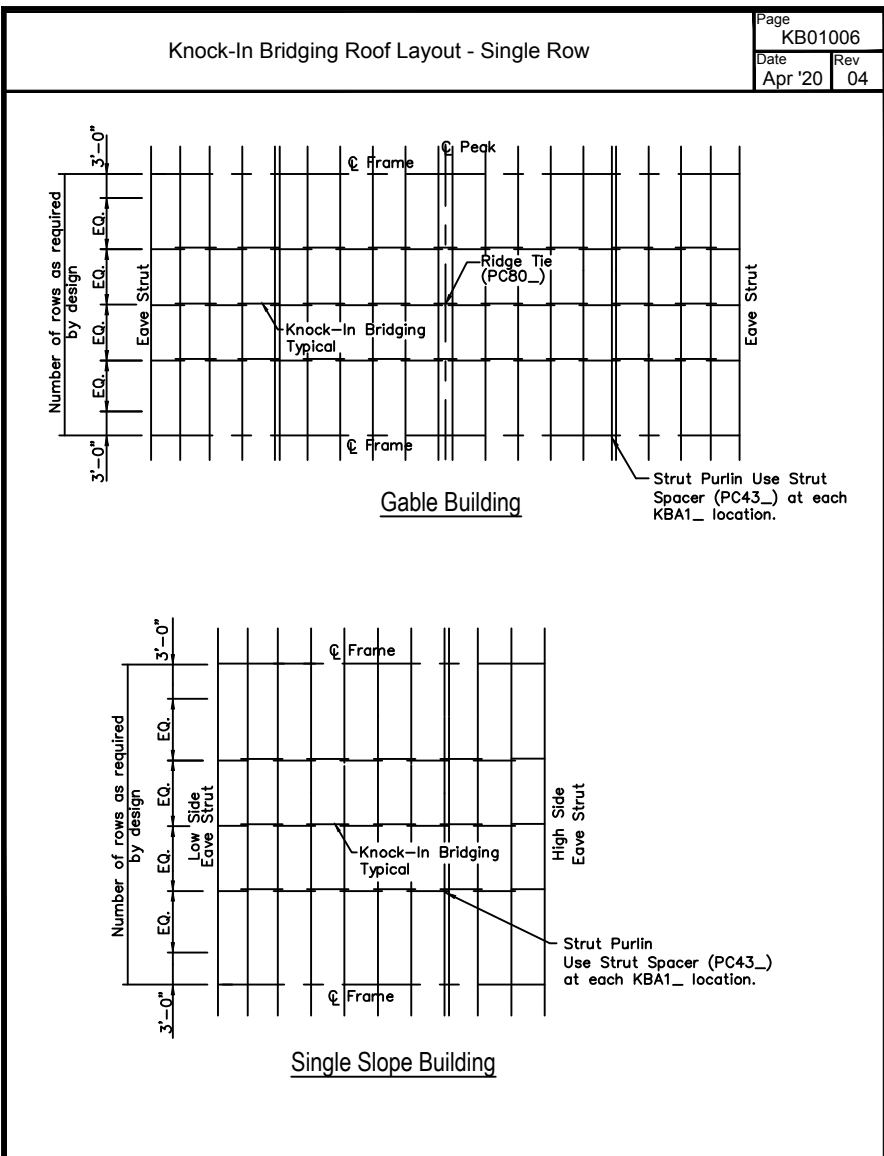
Revision	Date	Description
A	04/07/22	FOR CONSTRUCTION PERMIT

Manufactured By: METALLIC BUILDING SYSTEMS <b>MICHAEL W. CUSTER, P.E.</b> 642 OAKBROOK DRIVE CORPELL, TX 75918 PHONE 972-511-7082	Project Name & Location: STOCKS & TAYLOR CONSTRUCTION INC. STOCKS & TAYLOR CONSTRUCTION, INC. NC HWY 168 CURRITUCK, NC 27929 US
Customer: STOCKS & TAYLOR CONSTRUCTION INC 1825 CAROLINA AVENUE WASHINGTON, NC 27889-3369 US SELDEN TAYLOR	Drawing Status: <input type="checkbox"/> Preliminary Construction <input type="checkbox"/> For Approval <input checked="" type="checkbox"/> For Construction Permit <input type="checkbox"/> For Erector Installation
Scale: NOT TO SCALE Drawn by: AYM 4/7/22 Checked by: NXS Project Engineer: Job Number: 18-B-48052-1 Sheet Number: R3 of 13	This document was produced by and/or under my direct supervision.







By	CK'd	Description	Date	Revision
AYM	NXS	CONSTRUCTION PERMIT	04/07/22	A

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
CORPELL, T.Y. 75018  
642 OAKBEND DRIVE  
CURRITUCK, NC 27929

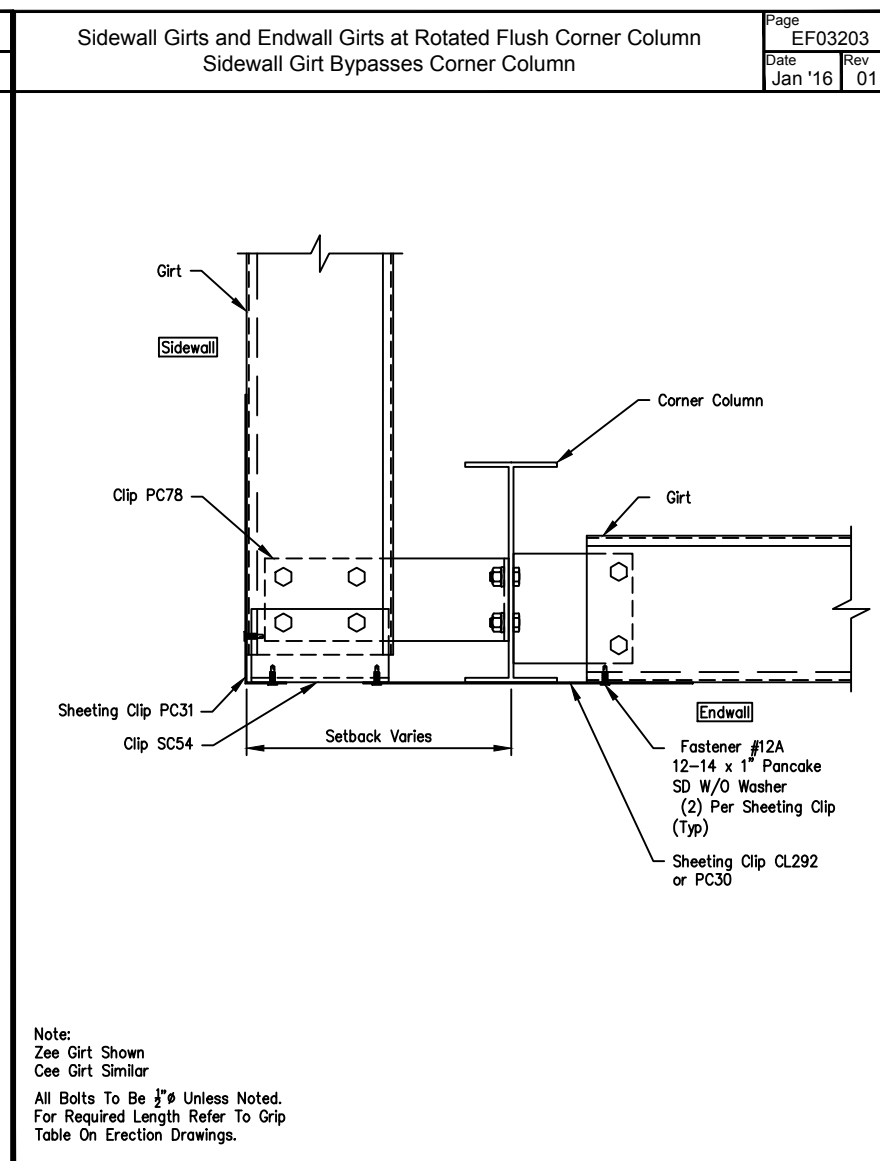
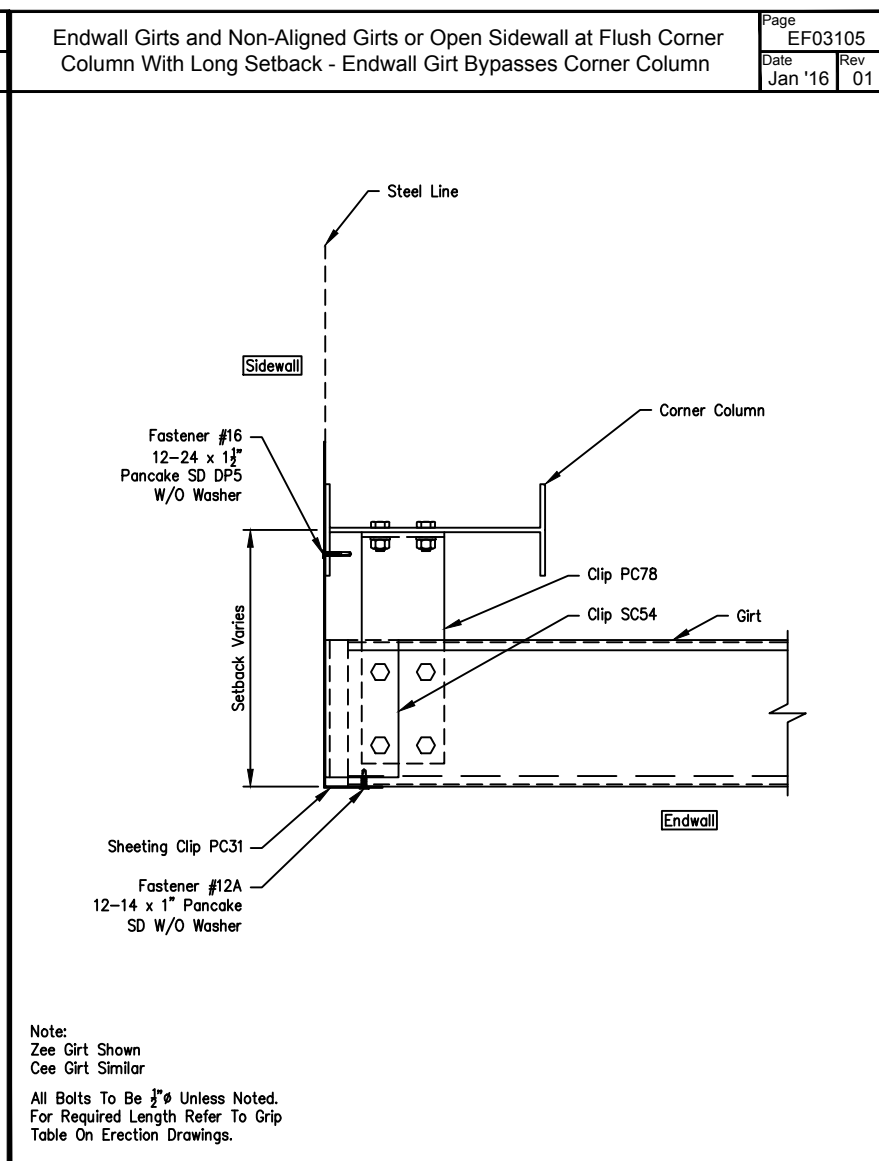
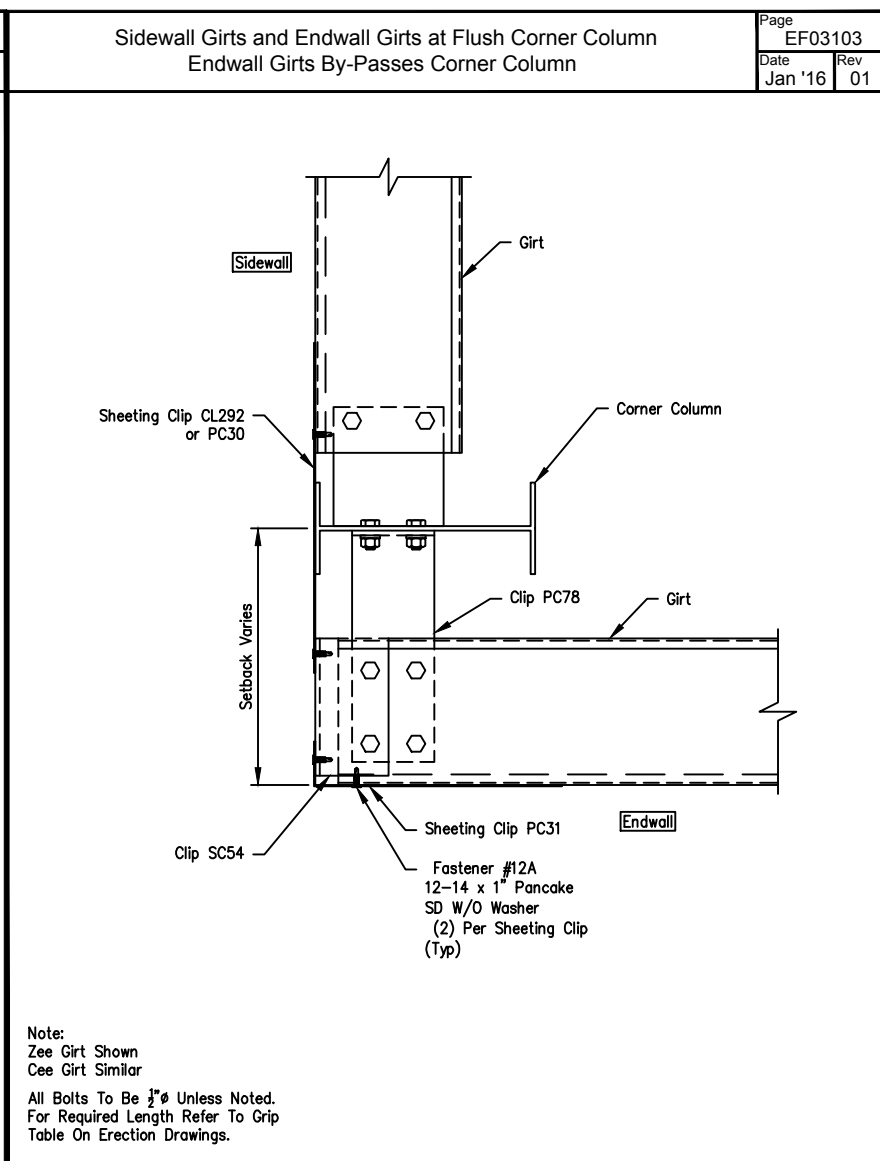
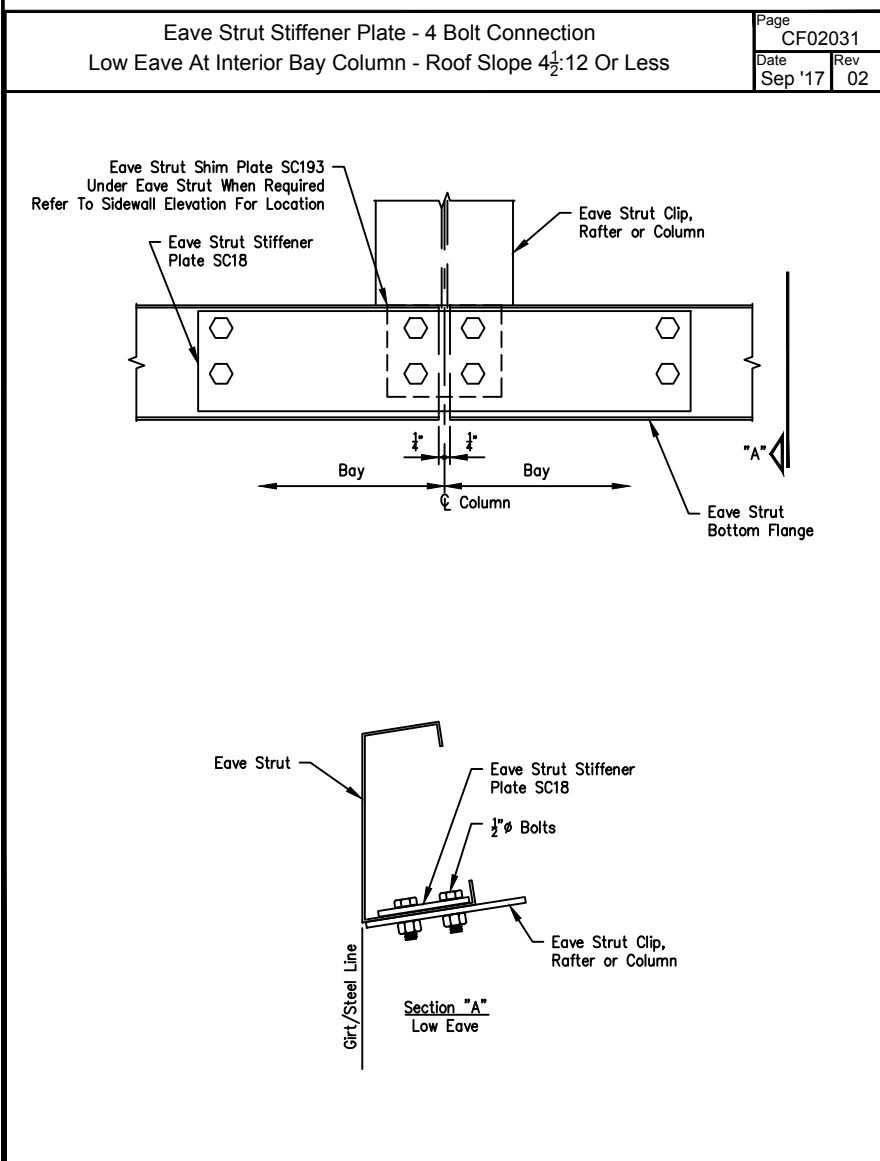
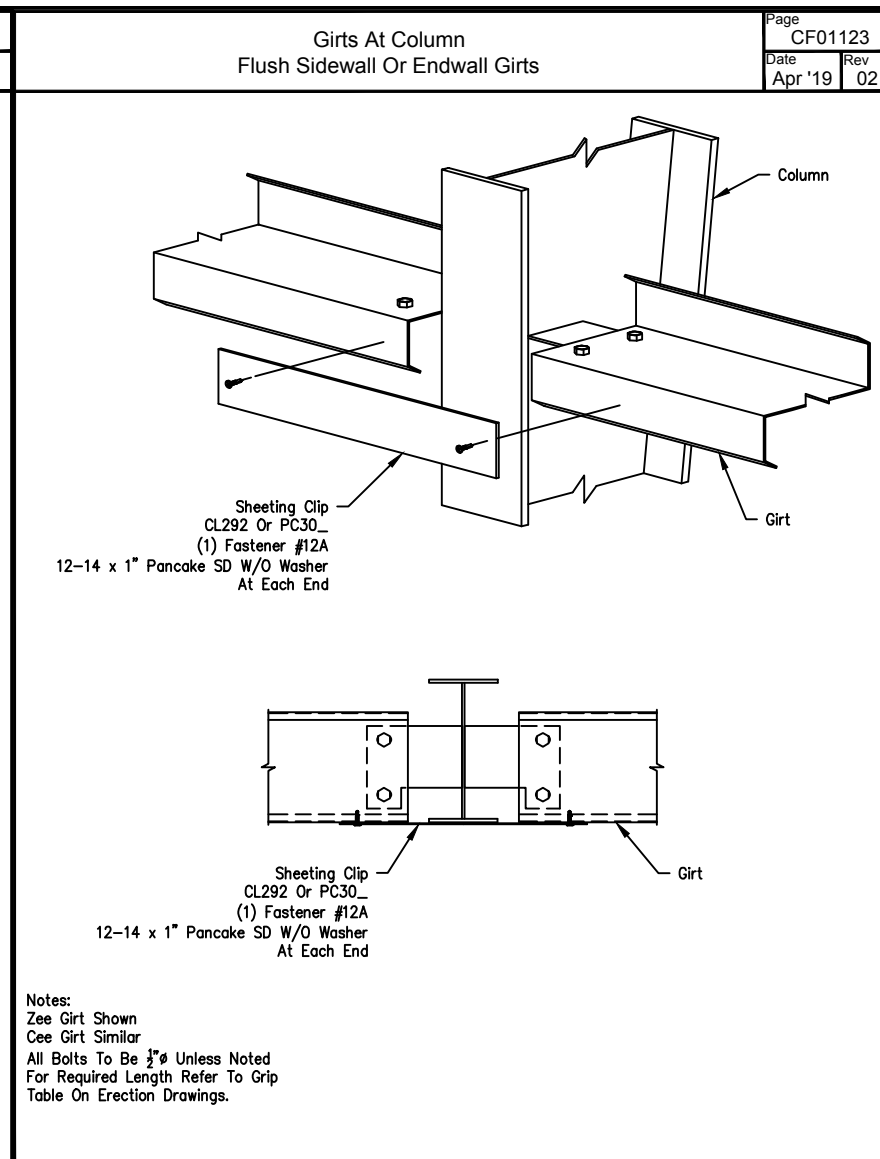
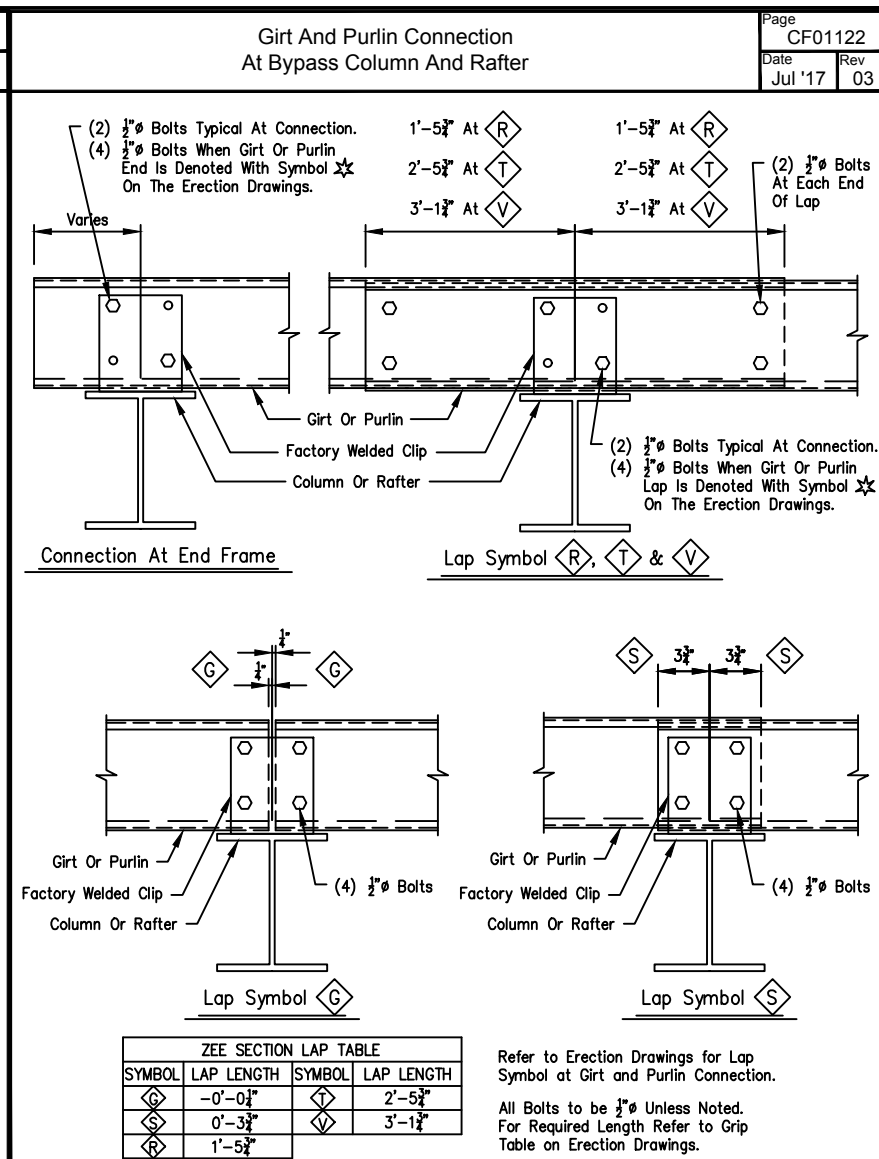
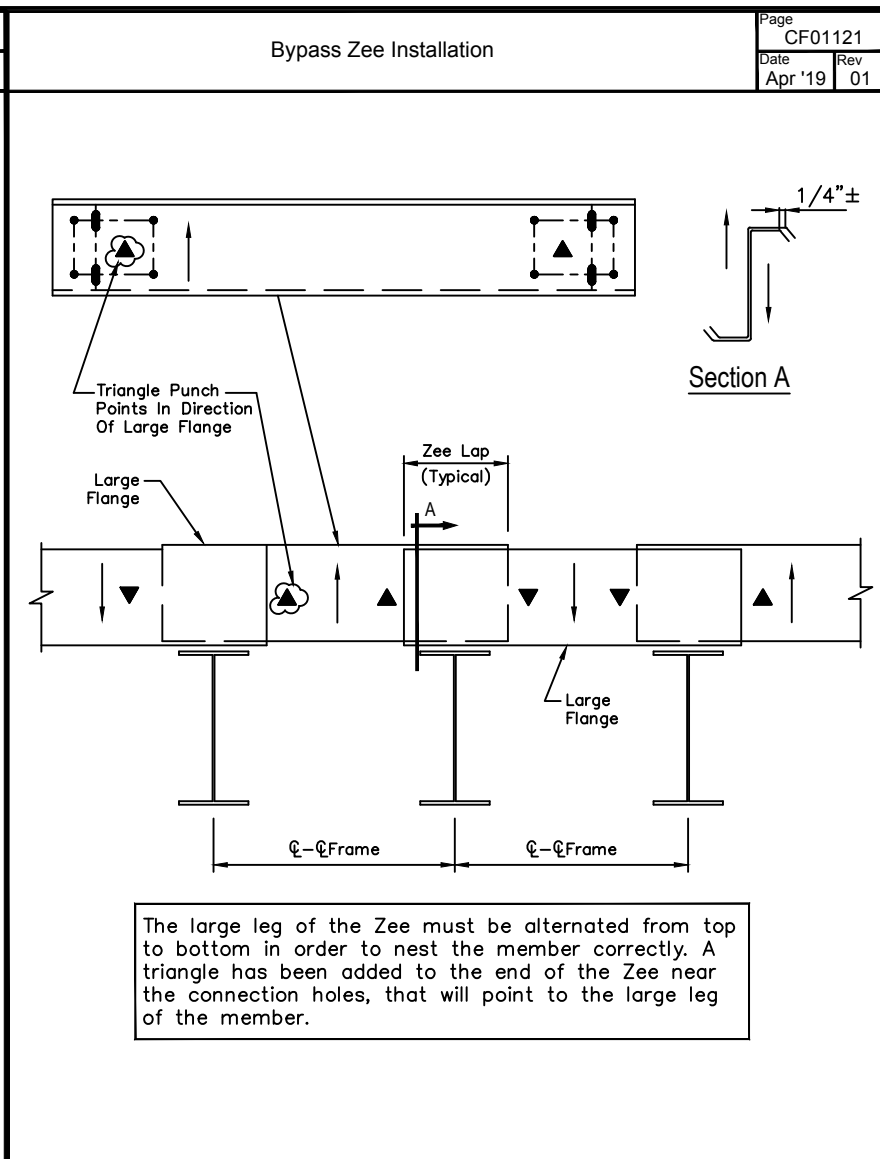
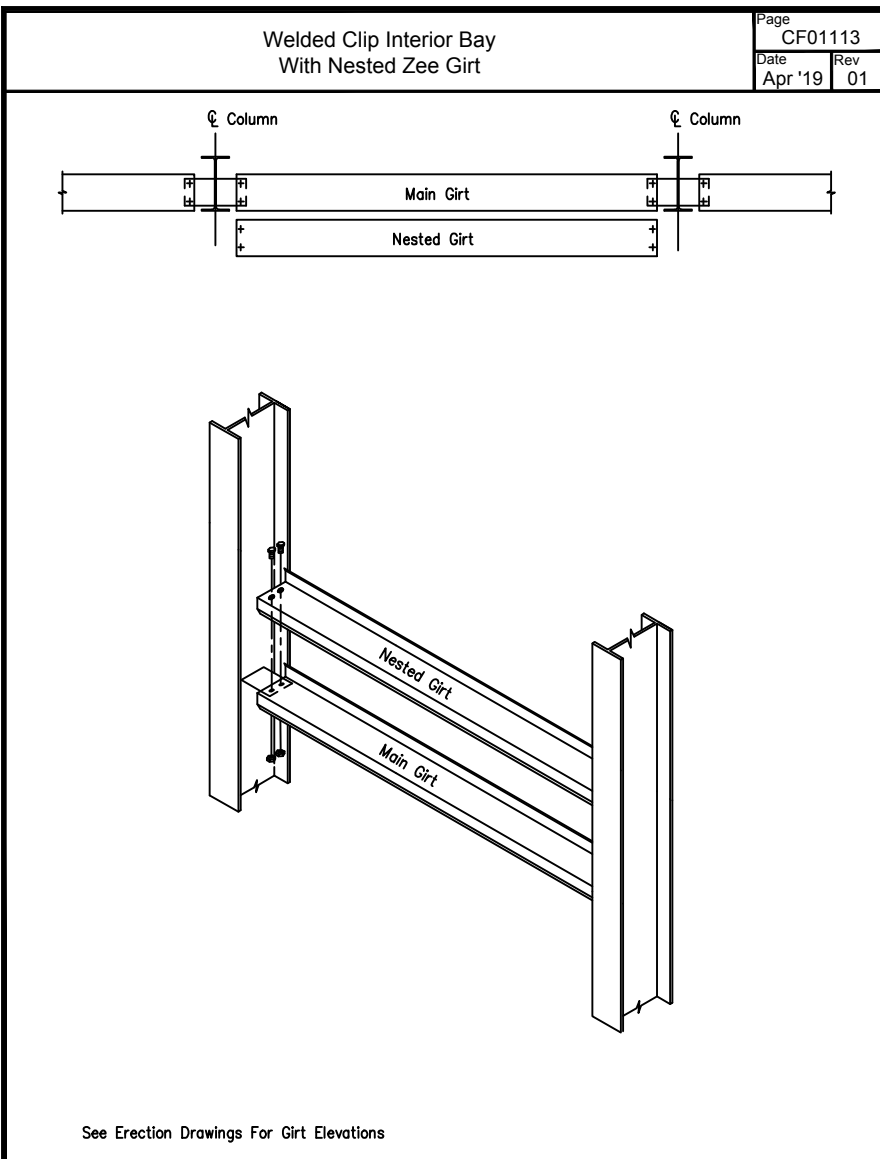
Customer: STOCKS & TAYLOR CONSTRUCTION INC  
1825 CAROLINA AVENUE  
WILSON, NC 27894  
SELDEN TAYLOR

Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC.  
NC HWY 168  
CURRITUCK, NC 27929 US

Drawing Status:  Preliminary Construction  For Approval  For Construction Permit  For Erector Installation

Scale: NOT TO SCALE  
Drawn by: AYM 4/7/22  
Checked by: NXS  
Project Engineer:  
Job Number: 18-B-48052-1  
Sheet Number: R5 of 13

This document was produced by and/or under my direct supervision.



By	CK'd	Description	Date	Revision
AYM	NXS	FOR CONSTRUCTION PERMIT	04/07/22	A

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
CORPELL, N.Y. 75918  
PHONE 972-571-7082

Project Name & Location:  
STOCKS & TAYLOR CONSTRUCTION INC.  
STOCKS & TAYLOR CONSTRUCTION, INC.  
NC HWY 168  
CURRITUCK, NC 27929 US

Customer:  
STOCKS & TAYLOR CONSTRUCTION INC  
825 CAROLINA AVENUE  
WILMINGTON, NC 27889-3369 US  
SELDEN TAYLOR

Drawing Status:  
 Preliminary Construction  
 For Approval  
 For Construction Permit  
 For Erector Installation

Scale: NOT TO SCALE  
 Drawn by: AYM 4/7/22  
 Checked by: NXS  
 Project Engineer:  
 Job Number: 18-B-48052-1  
 Sheet Number: R6 of 13

This document was produced by and/or under my direct supervision.





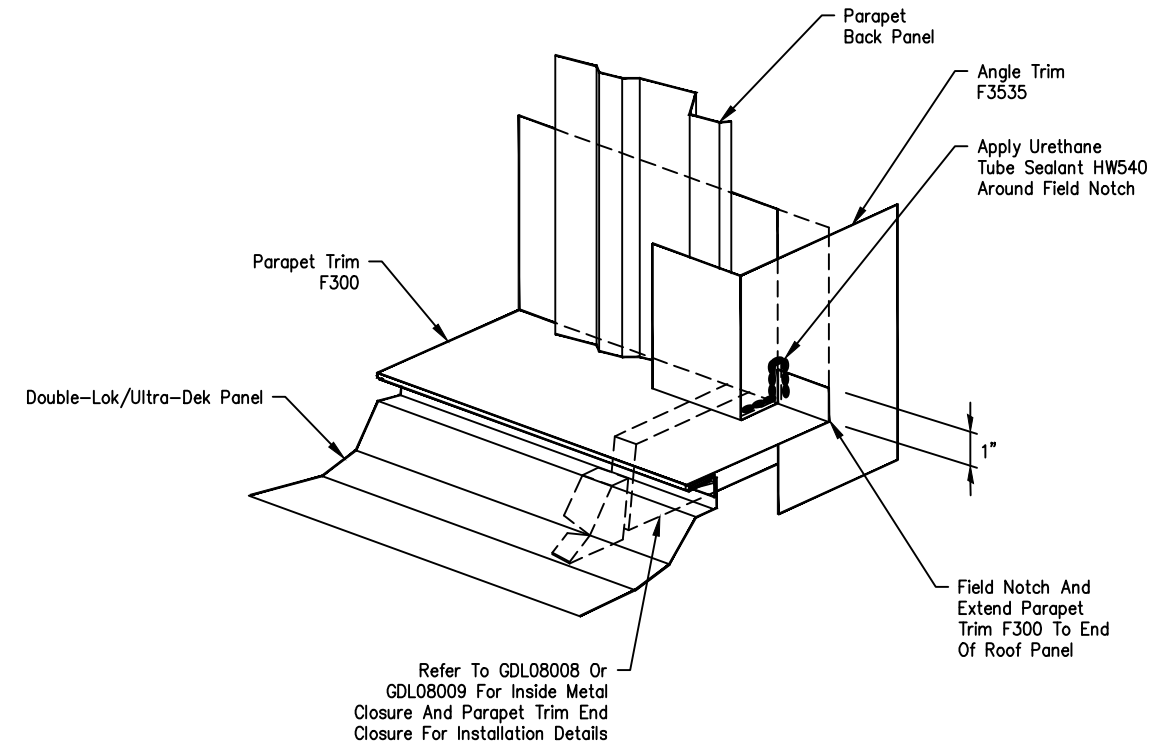
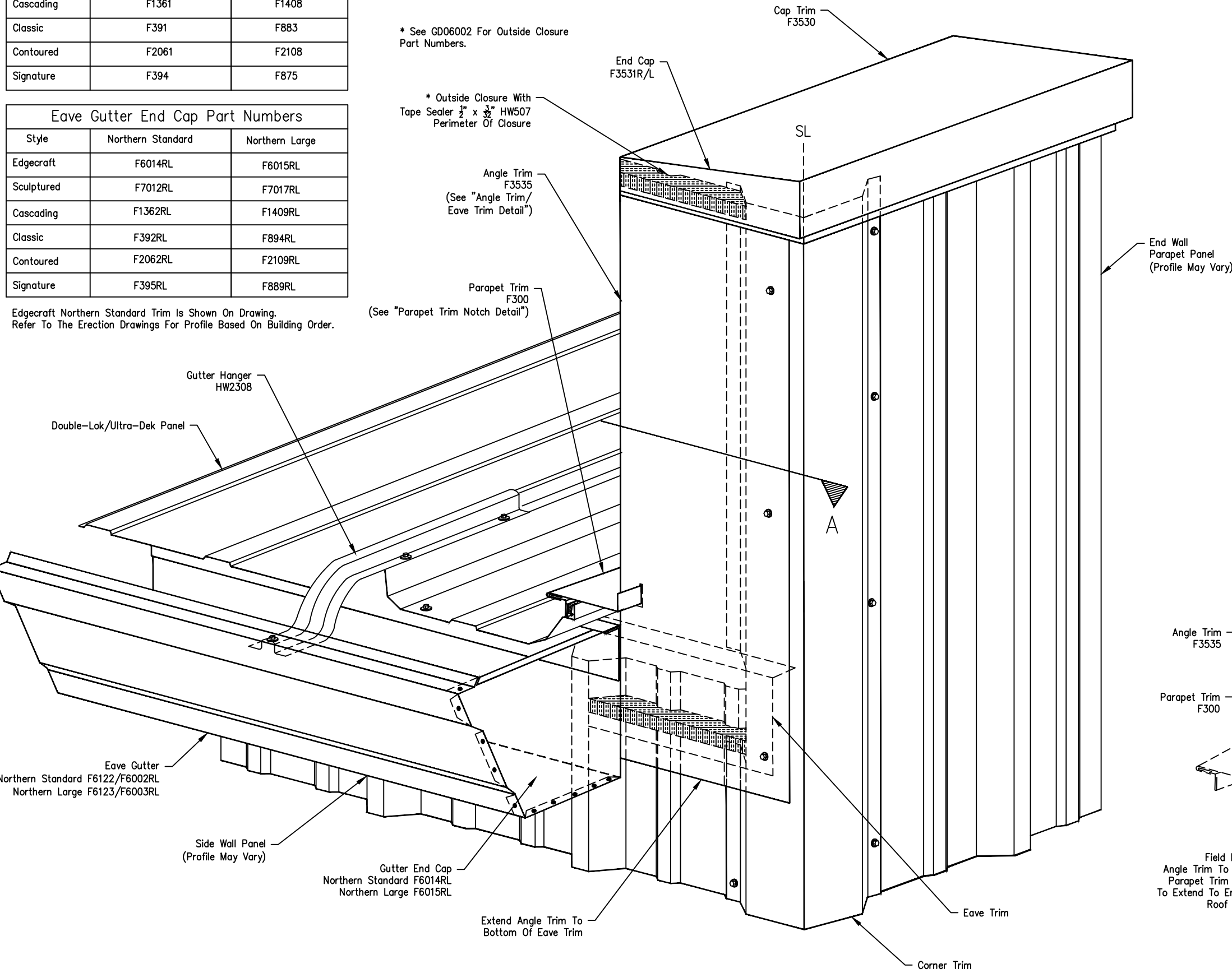




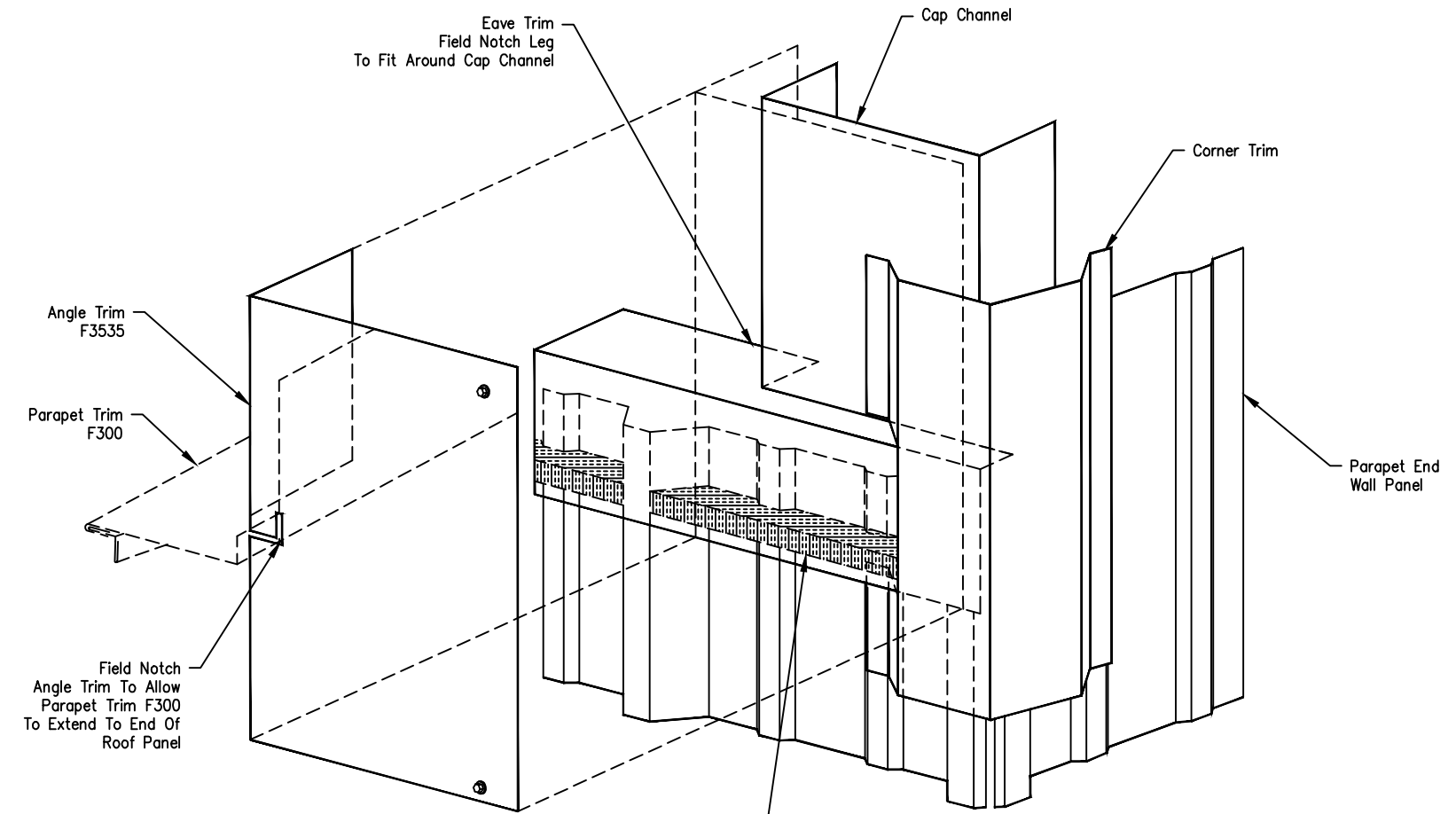
Eave Gutter Part Numbers		
Style	Northern Standard	Northern Large
Edgecraft	F6122/F6002RL	F6123/F6003RL
Sculptured	F7010/F7011RL	F7015/F7016RL
Cascading	F1361	F1408
Classic	F391	F883
Contoured	F2061	F2108
Signature	F394	F875

Eave Gutter End Cap Part Numbers		
Style	Northern Standard	Northern Large
Edgecraft	F6014RL	F6015RL
Sculptured	F7012RL	F7017RL
Cascading	F1362RL	F1409RL
Classic	F392RL	F894RL
Contoured	F2062RL	F2109RL
Signature	F395RL	F889RL

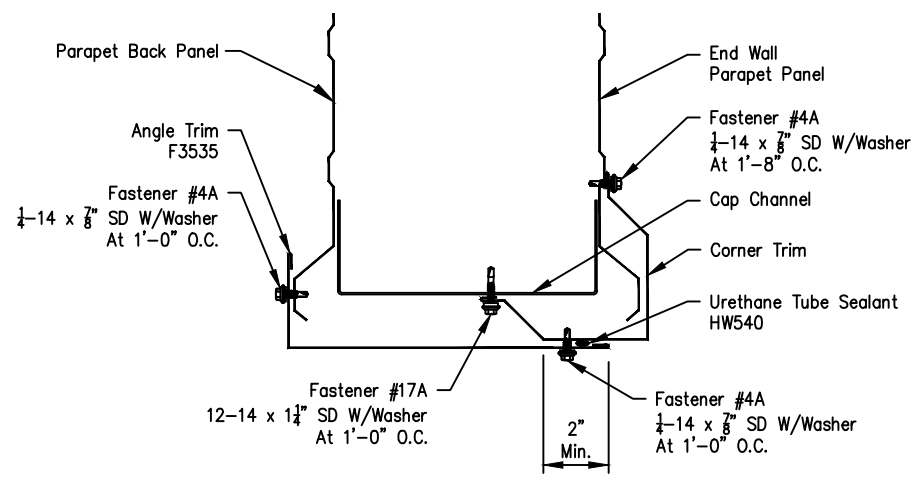
Edgecraft Northern Standard Trim Is Shown On Drawing.  
Refer To The Erection Drawings For Profile Based On Building Order.



Parapet Trim Notch Detail



Angle Trim/Eave Trim Detail



Section A

Revision	Date	Description
A	04/07/22	FOR CONSTRUCTION PERMIT

Manufactured By: METALLIC BUILDING SYSTEMS  
**MICHAEL W. CUSTER, P.E.**  
CORP., 1175018  
442 OAKBROOK DRIVE  
CORP., 1175018  
PHONE 972-511-9082

Customer: STOCKS & TAYLOR CONSTRUCTION INC  
1825 CAROLINA AVENUE  
WILSONVILLE, NC 27157  
SELDEN TAYLOR  
27889-3369 US

Project Name & Location: STOCKS & TAYLOR CONSTRUCTION, INC.  
NC HWY 168  
CURRITUCK, NC 27929 US

Drawing Status:  Preliminary Construction  For Approval  For Construction Permit  For Erector Installation

Scale: NOT TO SCALE

Drawn by: AYM 4/7/22

Checked by: NXS

Project Engineer:

Job Number: 18-B-48052-1

Sheet Number: R11 of 13

This document was produced by and/or under my direct supervision.





