

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: P's Truck Bodies & Equipment - Expansion
Address: 4298 Hodges Chapel Rd Dunn, NC Zip Code 28334
Owner/Authorized Agent: Junior Faircloth Phone # (910) 892 - 5286 E-Mail jonas@pjstruckbodies.com
Owned By: ☐ City/County ☒ Private ☐ State
Code Enforcement Jurisdiction: ☐ City ☒ County Harnett ☐ State

CONTACT: Jones Parrish
DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL
Architectural N/A --- () ---
Civil Smith Engineering + Design Joe Smith 024918 (919) 738-2141 smithengineeringnc@hotmail.com
Electrical Chris Sinclair Electric Chris Sinclair 27818-L (919) 620-6229 chris Sinclair Electric@gmail.com
Fire Alarm N/A --- () ---
Plumbing N/A --- () ---
Mechanical N/A --- () ---
Sprinkler-Standpipe N/A --- () ---
Structural Renegade Steel Buildings Wayne B. Baker 33446 (706) 654-3100
Retaining Walls >5' High NA --- () ---
Other NA --- () ---
(*"Others" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC CODE FOR: ☒ New Construction ☐ Addition ☐ Renovation
☐ 1st Time Interior Completion
☐ Shell/Core
☐ Phased Construction - Shell/Core
☐ Renovation
2018 NC EXISTING BUILDING CODE: ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alteration: ☐ Level I ☐ Level II ☐ Level III
☐ Historic Property ☐ Change of Use
CONSTRUCTED: (date) ORIGINAL OCCUPANCY(S) (Ch. 3):
RENOVATED: (date) CURRENT OCCUPANCY(S) (Ch. 3): F-1
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
(check all that apply) ☐ 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 (Primary) Flood Hazard Area: ☒ No ☐ Yes
Special Inspections Required: ☒ No ☐ Yes

Gross Building Area:			
FLOOR	EXISTING (SQ FT)	NEW (SQFT)	RENO/ALTER (SQ FT)
6 th Floor			
5 th Floor			
4 th Floor			
3 rd Floor			
2 nd Floor			
Mezzanine			
1 st Floor		2,400	
Basement			
TOTAL			2,400

ALLOWABLE AREA
Primary Occupancy Classification: **SELECT ONE**
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☐
Educational ☐
Factory ☒ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition ☐ 1 ☐ 2
☐ 1-2 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ 1-3 Condition ☐ 1
☐ 1-4
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): B
Incidental Uses (Table 509): N/A
Special Uses (Chapter 4 - List Code Sections)
Special Provisions: (Chapter 5 - List Code Sections):
Mixed Occupancy: ☒ No ☐ Yes Separation: _____ Hr. Exemption: _____
☐ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
☐ Separated Use (508.4) -
See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$
$$----- + ----- + \dots = ----- \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ¹ AREA	(C) AREA FOR FRONTAGE INCREASE ^{1,2}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{1,3}
1	Body Installation	2,400	15,500	3,875	19,375
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- ¹ Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 100 (F)
b. Total Building Perimeter = 200 (P)
c. Ratio (F/P) = 0.5 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase 1p = 100 [(F/P - 0.25) x W/30] = 25 (%)
² Unlimited area applicable under conditions of Section 507
³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
⁴ The maximum area of open parking garages must comply with Table 406.5.4
⁵ Frontage increase is based on the unsprinklered area value in Table 506.2

ALLOWABLE HEIGHT			
	ALLOWABLE (TABLE 503)	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	55	19'-4"	---
Building Height in Stories (Table 504.4)	2	1	---

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

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☒ No ☐ Yes
Smoke Detection Systems: ☒ No ☐ Yes ☐ Partial _____
Carbon Monoxide Detection: ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: LS _____

- ☐ 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 (705.8)
☒ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.2)
☒ Occupant loads for each area
☒ Exit access travel distances (1017)
☐ Common path of travel distances (1006.2.1 & 2006.3.2(1))
☐ Dead end lengths (1020.4)
☐ Clear exit widths for each exit door
☐ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
☐ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.
☐ 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

Section/Table/Note	Title

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ACCESSIBLE PARKING

(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	PROVIDED	# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE UNITS PROVIDED
			REGULAR WITH 5' ACCESS AISLE	132" ACCESS AISLE	5' ACCESS AISLE	
Parking	6	8			1	1
					1	1
TOTAL					1	1

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE	WATER CLOSETS		URINALS	LAVATORIES			SHOWERS / TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
SPACE	EXIST'G								
	NEW	1	1	N/A	1	1	N/A	N/A	N/A
	REQ'D			1			1		

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, SCO, DPI, DHHS, ICC, etc., describe below)

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

Reviewed for Code Compliance

09/30/2025



ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the North Carolina Energy Conservation Code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: ☐ No ☐ Yes (The remainder of this section is not applicable)

Exempt Building: ☐ No ☐ Yes (Provide Code or Statutory reference): _____

Climate Zone: ☐ 3A ☐ 4A ☐ 5A

Method of Compliance: Energy Code ☐ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
S Skylights in each assembly: _____
U-Value of skylight: _____
Total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing)
U-Value of assembly: _____
Solar heat gain coefficient: _____
Projection factor: _____
Door R-Values: _____

Walls below grade (each assembly)

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors over unconditioned space (each assembly)

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors slab on grade

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/Vertical requirement: _____
Slab Heated: _____

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

DESIGN LOADS:

Importance Factors:

Snow (I_s) 1.00
Seismic (I_s) 1.00

Live Loads:

Roof 20.0 psf
Mezzanine --- psf
Floor --- psf

Ground Snow Load: 15 psf

Wind Load: Ultimate Wind Speed 120 mph (ASCE-7)
Exposure Category B

SEISMIC DESIGN CATEGORY:

Provide the following Seismic Design Parameters:

Risk Category (Table 1604.5) ☐ I ☒ II ☐ III ☐ IV

Spectral Response Acceleration S_s 0.1810 %g S₁ 0.0950 %g

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 R/C or Special Steel

☐ Moment Frame ☐ Inverted Pendulum

☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic

Architectural, Mechanical, Components anchored? ☐ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☒

SOIL BEARING CAPACITIES:

Field Test (provide copy of test report) --- psf

Presumptive Bearing capacity 2,000 psf

Pile size, type, and capacity ---

SHEET INDEX

SHEET	TITLE
AB	APPENDIX B
C1.0	SITE, GRADING, DRAINAGE, & EROSION CONTROL PLAN
C2.0	DETAILS
C2.1	DETAILS
C2.2	DETAILS & HRW UTILITY NOTES
F-1	FOUNDATION PLAN
F-2	FOUNDATION DETAILS
A100	FLOOR PLAN & ELEVATIONS
LS	LIFE SAFETY & PLUMBING SUPPLY/WASTE PLANS
E100	ELECTRICAL LIGHTING & POWER PLANS

JPF PROPERTIES
HODGES CHAPEL
RD. BUILDING

ADDRESS PENDING
Dunn, NC 28334

Permit Set
11.10.2023

1560 George Perry Lee Rd.
Dunn, NC 28334

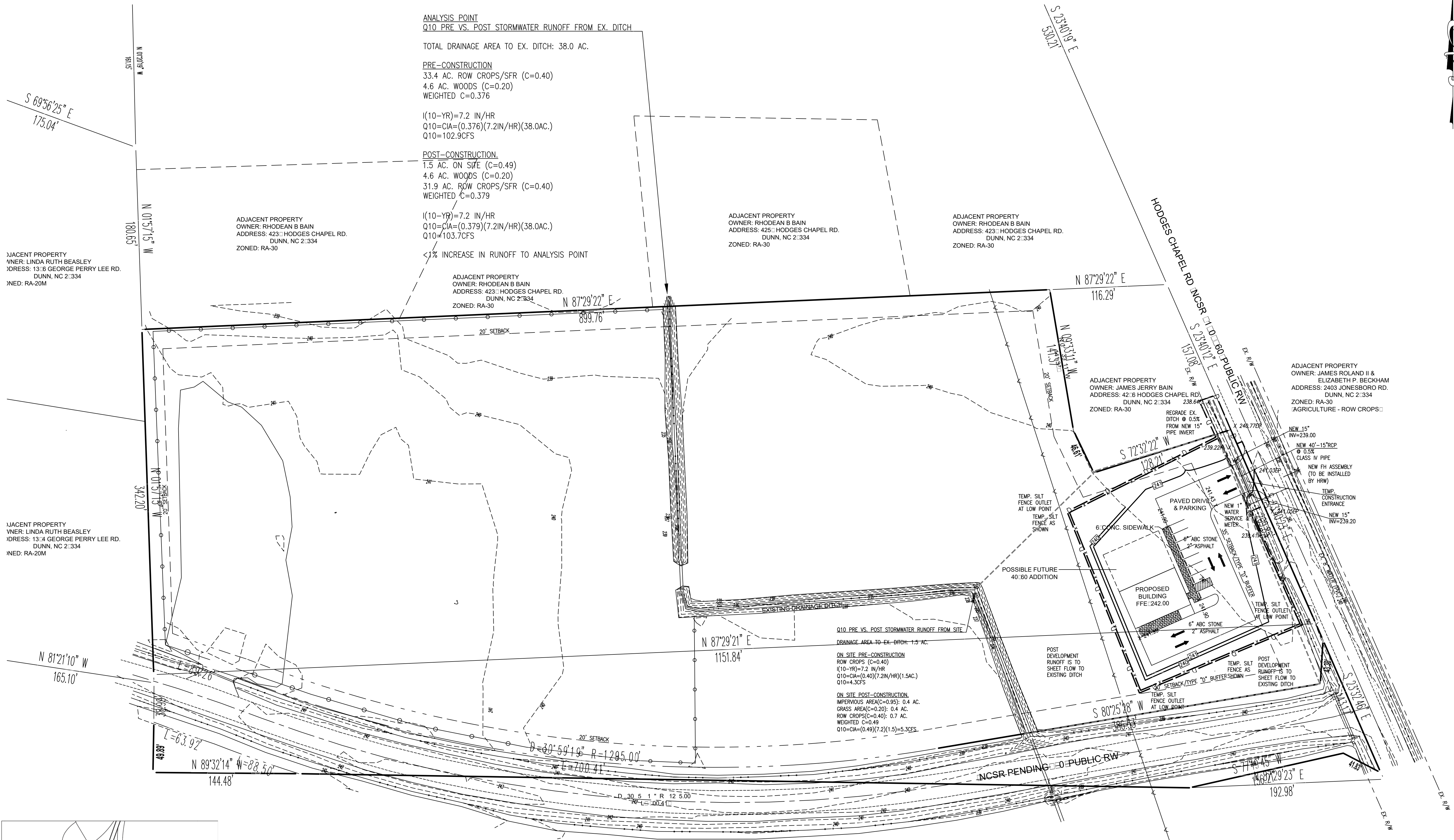
Telephone: 910.892.5286
Fax: 910.891.4396

Email: jonas@pjstruckbodies.com

Website: www.pjstruckbodies.com

APPENDIX B

AB



ADJACENT PROPERTY
OWNER: TREVY LEE BAREFOOT
ADDRESS: 4316 HODGES CHAPEL RD
DUNN, NC 28334
ZONED: RA-30

BUFFER REQUIREMENTS FOR GROUP 3 (ZONED COMMERCIAL) AND GROUP 4 (RESIDENTIAL), TYPE A, D BUFFER REQUIRED

1) A STAGGERED ROW OF LARGE MATURING TREES <30' APART

2) MULCH OR EVERGREEN GROUND COVER TO COVER THE REMAINDER OF THE BUFFER.

3) TYPE A: 15' MIN. (APPLIES TO SIDE AND REAR PROPERTY LINES).
W/ A 6' TALL OPAQUE FENCE (PG. 189)

4) TYPE D: 15' MIN. (APPLIES TO PROPERTY LINES ADJACENT TO PUBLIC RIGHT-OF-WAY, INCLUDING A 6' TALL OPAQUE FENCE (PG. 189-190)

GENERAL NOTES:

- 1) BUSINESS HOURS OF OPERATION WILL BE MONDAY THROUGH FRIDAY 8:00 AM - 5:00 PM
- 2) NO HAZARDOUS MATERIALS ARE EXPECTED ON SITE
- 3) P/S TRUCK AND/OR EQUIPMENT IS RESPONSIBLE FOR MAINTENANCE OF THE PARKING AREA AND ALL LANDSCAPE BUFFERING.
- 4) TRASH CONTAINER WILL REMAIN INSIDE UNTIL IT IS REMOVED FROM SITE DAILY OR AS REQUIRED
- 5) LAND USE CLASSIFICATION = EMPLOYMENT MIXED USE
- 6) THIS DEVELOPMENT IS WITHIN ONE MILE OF A VOLUNTARY AGRICULTURAL DISTRICT
- 7) SITE LIGHTING WILL BE PROVIDED BY WALL SCONCES LOCATED AT LEAST 10 FEET FROM THE BUILDING TO PREVENT DIRECT GLARE OR LIGHTING TO ADJACENT PROPERTIES.

SITE DATA:
OWNER: JPF PROPERTIES, LLC
1560 GEORGE PERRY LEE RD
DUNN, NC 28334

NCPIN: 1537-27-3212.000
DB: 4178, PG: 755
PC: #F, PG: 286C
TOWNSHIP: AVERASBORO
JURISDICTION: HARNETT COUNTY, NC
ZONED: COMMERCIAL

TOTAL AREA: 10.91 ACRES (475208.14 SQ.FT.)
IMPERVIOUS SURFACE: 2.8%
MINIMUM BUILDING SETBACKS:
FRONT YARD: 35'
REAR YARD: 25'
SIDE YARD: 0' (20' w/ ADJACENT RESIDENTIAL)
MAXIMUM HT: 35'

MINIMUM BUILDING SETBACKS:
FRONT YARD: 35'
REAR YARD: 25'
SIDE YARD: 0' (20' w/ ADJACENT RESIDENTIAL)
MAXIMUM HT: 35'

CERTIFICATION OF OWNERSHIP AND DEDICATION

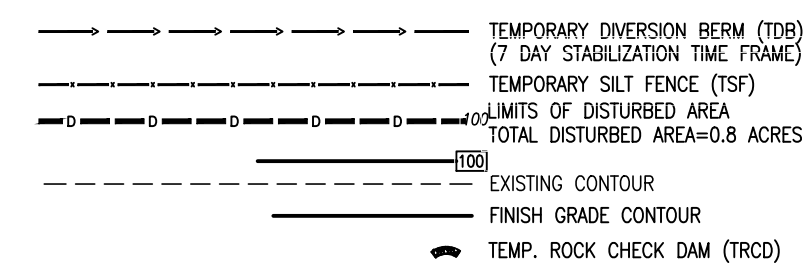
I HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS LOCATED IN THE SUBDIVISION JURISDICTION OF HARNETT COUNTY, NORTH CAROLINA AND THAT I HERE ADOPT THIS PLAN OF SUBDIVISION WITH MY FREE CONSENT, ESTABLISH MINIMUM BUILDING SETBACK LINES, AND DEDICATE ALL STREETS, ALLEYS, WALKS, PARKS, AND OTHER SITES AND EASEMENTS TO PUBLIC OR PRIVATE USE AS NOTED. FURTHERMORE, I HEREBY DEDICATE ALL SANITARY SEWER AND WATER LINES TO THE COUNTY OF HARNETT.


 01/2025
 OWNER, JPF PROPERTIES → DATE

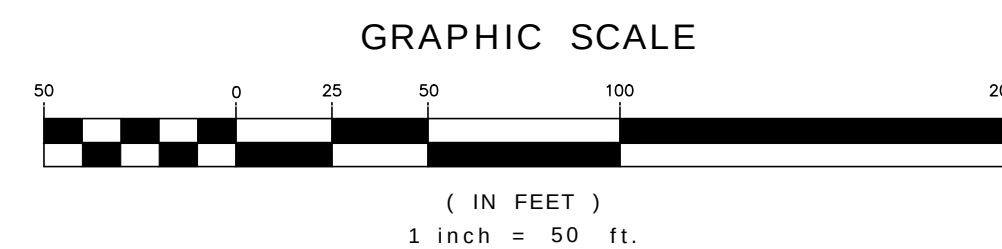
I HEREBY CERTIFY THAT THE DEVELOPMENT HEREON HAS BEEN GRANTED PRELIMINARY APPROVAL BY THE HARNETT COUNTY DEVELOPMENT REVIEW BOARD PURSUANT TO THE REGULATIONS SET FORTH BY § 11 ADDRESSING, ENVIRONMENTAL HEALTH, FIRE MARSHAL, PLANNING, AND PUBLIC UTILITIES OF HARNETT COUNTY, NC, SUBJECT TO RECORDED IN THE HARNETT COUNTY OFFICE OF REGISTER OF DEEDS WITHIN THIRTY DAYS OF THE DATE BELOW.

DEVELOPMENT REVIEW BOARD CHAIRMAN	DATE
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The Harnett County Development Review Board has approved this Site Plan. This project is subject to all federal, state, and local government regulations and 09/18/2025 applicable expiration periods.



BOUNDARY & TOPOGRAPHIC SURVEY PROVIDED BY:
ON THE LEVEL SURVEYING
JAMES LONNIE PEACOCK, PLS
FIRM # P-2158
NC REG. LAND SURVEYOR NO. L-5141
1646 DENNING RD. BENSON, N.C 27504
TELEPHONE: 919-422-3580



E, GRADING, DRAINAGE, AND EROSION CONTROL PLAN

FOR
PJ'S TRUCK BODIES

HORIZONTAL SCALE: 1" = 50'	DATE: 06.26.2024 FTE JOB# 0069	C1.0
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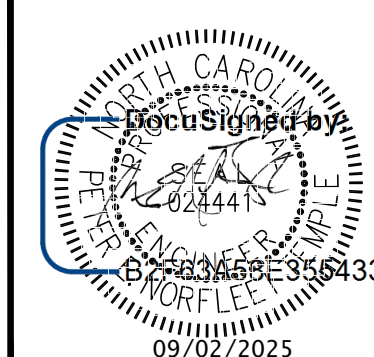
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FLEETTEMPLE
ENGINEERING PLLC
3245 Red Hill Church Road • Coats, NC 27521

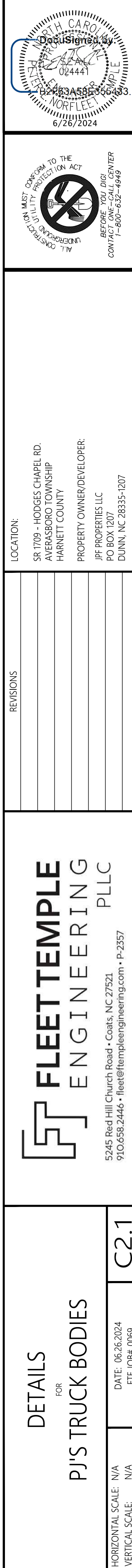
REVISIONS
07.09.2025: HRW SUBMITTAL
09.02.2025: HRW COMMENTS

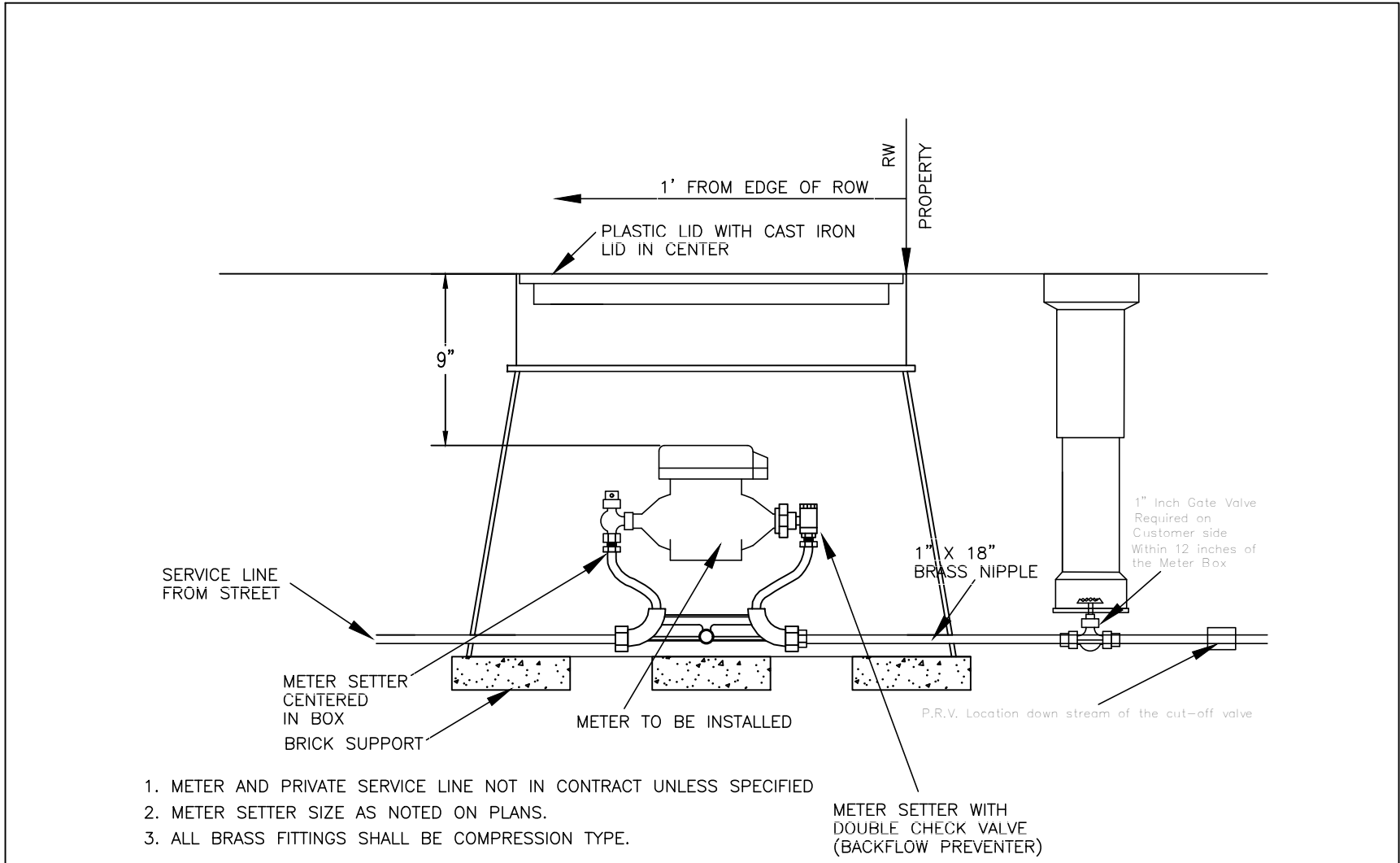
LOCATION:
SR 1709 - HODGES CHAPEL RD.
AVERASBORO TOWNSHIP
HARNETT COUNTY

PROPERTY OWNER/DEVELOPER:
JPF PROPERTIES LLC
PO BOX 1207
DUNN, NC 28335-1207



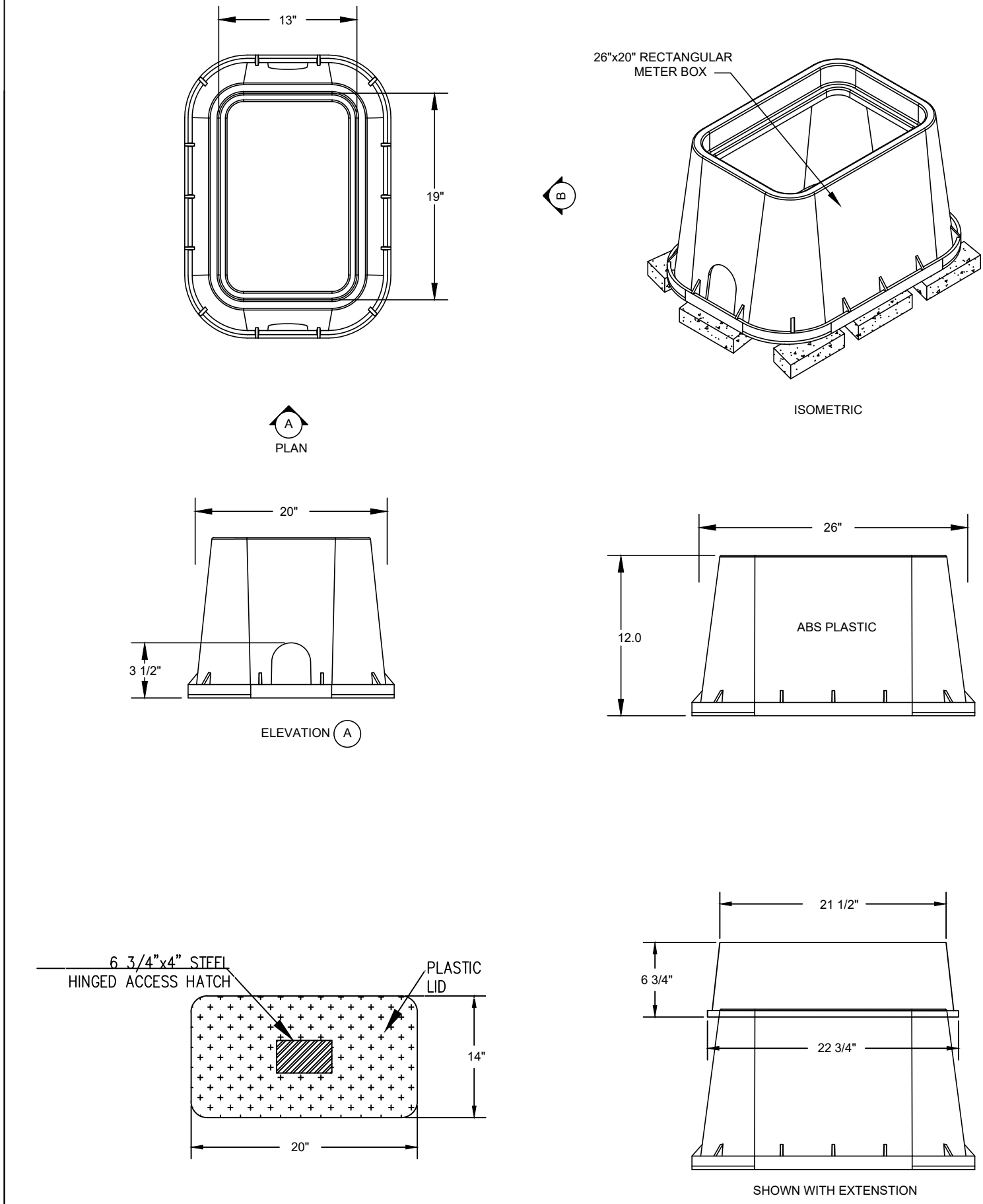
EFFECTIVE: 04/01/19





TYPICAL 1" METER SETTER INSTALLATION DETAIL

W
16



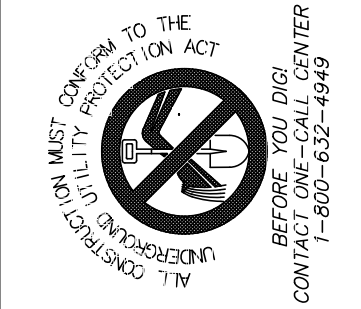
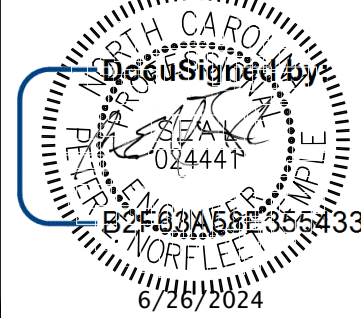
TYPICAL METER BOX DETAIL FOR 1" SERVICE

W
17

2022 HRW REQUIRED UTILITY NOTES (Revision 10- April 19, 2022)

WATER

- A. The Fire Marshal's Office shall approve all hydrant types and locations in new subdivisions. However, Harnett Regional Water (HRW) prefers the contractors to install one of the following fire hydrants:
1. Mueller – Super Centurion 250 A-423 model with a 5/4" main valve opening three way (two hose nozzles and one pumper nozzle);
 2. American Darling – Mark B-84-B model with a 5/4" main valve opening three way (two hose nozzles and one pumper nozzle);
 3. Watrous – Pacer B-67-250 model with a 5/4" main valve opening three way (two hose nozzles and one pumper nozzle) or approved equal for standardization. *All fire hydrants listed above must have American National Fire Hose Connection Screw Threads NST/NH hose threads.
- B. Fire hydrants are installed at certain elevations. Any grade change near any fire hydrant, which impedes its operation, shall become the responsibility of the Utility Contractor for correction. Corrections will be monitored by the HRW Utility Construction Inspector and the Harnett County Fire Marshal.
- C. The Professional Engineer (PE) shall obtain and provide the NCDEQ "Authorization to Construct" permit to the Utility Contractor before the construction of the water line shall begin. The Utility Contractor must post a copy of the NCDEQ "Authorization to Construct" permit issued by the North Carolina Department of Environmental Quality (NCDEQ) on site prior to the start of construction. The permit must be maintained on site throughout the entire construction process of the proposed water lines that will serve this project.
- D. The Utility Contractor shall notify Harnett Regional Water (HRW) and the Professional Engineer (PE) at least two days prior to construction commencing. The Utility Contractor must schedule a pre-construction conference with Mr. Chad Everett, HRW Utility Construction Inspector at least two (2) days before construction will begin and the Utility Contractor must coordinate with HRW for regular inspection visitations and acceptance of the water system(s). Construction work shall be performed only during the normal working hours of HRW which is 8:00 am – 5:00 pm Monday through Friday. Holiday and weekend work is not permitted by HRW.
- E. The Professional Engineer (PE) shall provide HRW and the Utility Contractor with a set of NCDEQ approved plans marked "Released for Construction" at least two days prior to construction commencing. The Registered Land Surveyor (RLS) should stake out all lot corners and the grade stakes for the proposed finish grade for each street before the Utility Contractor begins construction of the water line(s). The grade stakes should be set with a consistent offset from the street centerline so as not to interfere with the street grading and utility construction.
- F. The Utility Contractor shall provide the HRW Utility Construction Inspector with material submittals and shop drawings for all project materials prior to the construction of any water line extension(s), and associated water services in Harnett County. The materials to be used on the project must meet the established specifications of HRW and be approved by the Engineer of Record prior to construction. All substandard materials or materials not approved for use in Harnett County found on the project site must be removed immediately when notified by the HRW Utility Construction Inspector.
- G. The water main(s), fire hydrants, service lines, meter setters and all associated appurtenances shall be constructed in strict in accordance with the standard specifications of the Harnett Regional Water (HRW). The Utility Contractor shall be responsible to locate the newly installed water main(s), water service lines and all associated meter setters and meter boxes for other utility companies and their contractors until the new water main(s) have been approved by the North Carolina Department of Environmental Quality, Division of Environmental Health, Public Water Supply Section (NCDEQ, DEH, PWS) and accepted by HRW.
- H. Prior to acceptance, all services will be inspected to ensure that they are installed at the proper depth. All meter boxes must be flush with the ground level at final grade and the meter setters must be a minimum of 8" below the meter box lid. Meter setters shall be centered in the meter box and supported by brick, block or stone.
- I. The Utility Contractor shall provide the Professional Engineer (PE) and HRW Utility Construction Inspector with a set of red line drawings identifying the complete water system installed for each project. The red line drawings should identify the materials, pipe sizes and approximate depths of the water lines as well as the gate valves, fire hydrants, meter setters, blow off assemblies and all associated appurtenances for all water line(s) constructed in Harnett County. The red line drawings should clearly identify any deviations from the NCDEQ approved plans. All change orders must be approved by HRW and the Professional Engineer (PE) in writing and properly documented in the red line field drawings.
- J. Potable water mains crossing other utilities and non-potable water lines (sanitary sewer, storm sewer, RCP, etc.) shall be laid to provide a minimum vertical distance of twentyfour (24") inches between the potable water main and all other utilities. NCDOT requires the new water mains to be installed under the storm water lines. The potable water main shall be installed with twentyfour (24") inches of vertical separation and with ductile iron pipe when designed to be placed under a nonpotable watery line such as sanitary sewer or storm sewer lines. If these separations cannot be maintained then the water main shall be installed with ductile iron pipe. Both the po table water main and the nonpotable water line must be cast iron or ductile iron pipe (DIP) if the stote minimum separations cannot be maintained. The ductile iron pipe must be laid so the mechanical joints are at least (10) feet from the point where the water main crosses the nonpotable water line.
- K. Potable water mains installed parallel to none potable water lines (sanitary sewer, storm sewer, RCP, etc.) shall be laid to provide a minimum horizontal distance of ten (10) feet between the potable water main and sanitary sewer mains, sewer laterals and services. The horizontal separation between the potable water main and any other utility or storm sewer shall not be less than five (5) feet. The potable water main must be ductile iron pipe i f this horizontal separation of ten (10) feet cannot be maintained. The ductile iron pipe shall extend at least ten (10) feet beyond the point where the minimum required horizontal separation of ten (10) feet can be re
- L. Meter setters shoestablished. It be installed in pairs on every other lot line where possible to leave adequate space for other utilities to be installed at a later time. The meter setters shall be installed at least one (1) foot inside the right fwyfway and at least three (3) to e (5) feet from the property line between the lots.
- M. HRW requires that meter boxes for 1/2 services shall be 12" wide x 17" long ABS plastic boxes at least 18" in height with cast iron lids/covers. Meter boxes for 1" services shall be 17" wide x 21" long ABS plastic boxes at least 18" in height with plastic lids and cast iron flip covers in the center of the lids. Meter boxes for 2" services shall be 20" wide x 32" long ABS plastic boxes at least 20" in height with plastic lids and cast iron flip covers in the center of the lids.
- N. Master meters must be installed in concrete vaults sized for the meter assembly and associated appurtenances so as to provide at least eighteen (18") inches of clearance between the bottom of the concrete vault and the bottom of the meter setter. The master meter must be provided test ports if the meter is not equipped with test ports from the manufacturer in accordance with the HRW established standard specifications and details. Ductile iron pipe must be used for the master meter vault and valve piping. The Utility Contractor must provide shop drawings for the meter vaults to HRW prior to ordering the concrete vaults.
- O. The Utility Contractor will install polyethylene SDR-9 water service lines that cross under the pavement inside a schedule 40 PVC conduit to allow removal and replacement in the future. Two (2) independent 3/4" water service lines may be installed inside one (1) – two (2") inch schedule 40 PVC conduit or two (2) independent 1" water service lines may be installed inside one (1) – three (3") inch schedule 40 PVC conduit, but each water service shall be tapped directly to the water main. Split services are not allowed by HRW. If sidewalks are proposed, the conduit must extend past the sidewalk.
- P. The water main(s), fire hydrants, gate valves, service lines, meter setters and associated appurtenances must be rated for 200 psi and hydrostatically pressure tested to 200 psi. The hydrostatic pressure test(s) must be witnessed by the HRW Utility Construction Inspector. The Utility Contractor must notify HRW when they are ready to begin filling in lines and coordinate with Harnett Regional Water to witness all pressure testing.
- Q. The Utility Contractor shall conduct a pneumatic pressure test using compressed air or other inert gas on the stainless steel tapping sleeve(s) prior to making the tap on the existing water main. This pneumatic pressure test must be witnessed by the HRW Utility Construction Inspector. The Utility Contractor shall use Romax brand stainless steel tapping sleeve(s) or approved equal for all taps made in Harnett County. All new water line extensions must begin with a resilient wedge type gate valve sized equal to the diameter of the new water line extension in order to provide a means of isolation between Harnett Regional Water's existing water mains and the new water line extensions under construction.
- R. All water mains will be constructed with SDR-21 PVC Pipe or Class 50 Ductile Iron Pipe rated for at least 200 psi or greater. All pipes must be protected during loading, transport, unloading, staging, and installation. PVC pipe must be protected from extended exposure to sunlight prior to installation.
- S. All water mains will be flushed and disinfected in strict accordance with the standard specifications of the Harnett Regional Water. All water samples collected for bacteria testing HRW Utility Construct ion Inspector and will be collected by the tested in the HRW Laboratory.
- T. All fittings larger than two (2") inches diameter shall be ductile iron. HRW requires that mechanical joints be assembled with grip rings as Megadug fittings are not approved by Harnett Regional Water for pipe sizes smaller than twelve inches (12") diameter. PVC pipe used for water mains shall be connected by slip joint or mechanical joint with grip rings. Gasket pipe joints are not allowed for PVC pipe used for water mains in Harnett County.
- U. HRW requires that the Utility Contractor install tracer wire in the trench with all water lines. The tracer wire shall be 12 ga. insulated, solid copper conductor and it shall be terminated at the top of the valve boxes or manholes. No spliced wire connection s shall be made underground on tracer wire installed in Harnett County. The tracer wire may be secured with duct tape to the top of the pipe before backfilling.
- V. The Utility Contractor will provide Professional Engineer (PE) and the Utility Construction Inspector with a set of red line field drawings to identify the installed locations of the water line(s) and all associated services. All change orders must be pre approved by HRW and the Professional Engineer (PE) in writing and properly documente d in the red line field drawings.
- W. The Utility Contractor shall spot dig to expose each utility pipe or line which may conflict with construction of proposed water line extensions well in advance to verify locations of the existing utilities. The Utility Contractor shall provide both horizontal and vertical clearances to the Professional Engineer (PE) to allow the PE to adjust the water line design in order to avoid conflicts with existing underground utilities. The Utility Contractor shall coordi nate with the utility owner and be responsible for temporary relocation and/or securing existing utility poles, pipes, wires, cables, signs and/or utilities including services in accordance with the utility owner requirements during water line installation , grading and street construction.
- X. Prior to the commencement of any work within established utility easements or NCDOT rightofways the Utility Contractor is required to have a signed NCDOT encroachment agreement posted on site and notify all concerned utility companies in accordance with G.S. 87102. The Utility Contractor must call the NC One Call Center at 811 or (800) 6324949 to verify the location of existing utilities prior to the beginning of construction. Existing utilities shown in these pla ns are taken from maps furnished by various utility companies and have not been physically located or verified by the P.E. (i.e. TELEPHONE, CABLE, WATER, SEWER, ELECTRICAL POWER, FIBER OPTIC, NATURAL GAS, ETC.). The Utility Contractor will be responsible to repair any and all damages to the satisfaction of the related utility company.
- Y. The Utility Contractor shall provide HRW with at least one (1) fire hydrant wrench and one (1) break-away flange kit for every subdivision with fire hydrants developed in Harnett County. These items must be provided to HRW before the final inspection will be scheduled by the HRW Utility Construction Inspector. In addition, the Utility Contractor shall install a 4" x 4" concrete valve marker at the edge of the right-of-way to identify the location of each gate valve installed in the new water system with the exception of the fire hydrant isolation valves. The contractor shall measure the distance from the center of the concrete marker to the center of the valve box. This distance (in linear feet) shall be stamped on the brass plate located on the top of the concrete valve marker. In lieu of installing the concrete valve markers, the Utility Contractor may provide at least two measurements from two independent permanent above ground structures to the Professional Engineer (PE) in the red line drawings to identify the valve locations. The Professional Engineer (PE) must include these measurements in the As-Built Record Drawings submitted to HRW.
- Z. The Utility Contractor will be responsible for any and all repairs due to leakage damage from poor workmanship during the one (1) year warranty period once the water system improvements have been accepted by Harnett Regional Water. Harnett Regional Water will provide maintenance and repairs when requested and bill the Developer and/or Utility Contractor if necessary due to lack of response within 48 hours of notification of warranty work. The Utility Contractor will be responsible for any and all repairs due to damages resulting from failure to locate the new water lines and associated appurtenances for other contractors until the water lines have been approved by NCDEQ and accepted by HRW. The final inspection of water system improvements cannot be scheduled with HRW until the streets have been paved, the rights-of-way and utility easements have been seeded and stabilized with an adequate stand of grass in place to prevent erosion issues on site.
- AA. The Engineer of Record is responsible to ensure that construction is, at all times, in compliance with accepted sanitary engineering practices and approved plans and specifications. No field changes to the approved plans are allowed without prior written approval by HRW. A copy of each engineer's field report is to be submitted to HRW as each such inspection is made on system improvements or testing is performed by the contractor. Water and sewer infrastructure must pass all inspections required by HRW specifications and those of all applicable regulatory agencies. These tests include, but are not limited to: air test, vacuum test, mandrel test, visual test, pressure test, bacteriological test, etc. A HRW Inspector must be present during testing and all test results shall be submitted to HRW. All tests must be satisfied before the final inspection will be scheduled with the HRW Inspector. The Engineer of Record must request in writing to schedule the final inspection once all construction is complete. The Developer's Engineer of Record and the HRW Utility Construction Inspector shall prepare a written punch list of any defects or deficiencies noted during the final inspection, should any exist. Upon completion of the punch list, the Developer's Engineer of Record will schedule another inspection. In the event the number of inspections performed by the HRW exceeds two, additional fees may be assessed to the Developer.



LOCATION: SR 1709 - HODGES CHAPEL RD. AVERASBORO TOWNSHIP HARNETT COUNTY

PROPERTY OWNER/DEVELOPER: JPF PROPERTIES LLC PO BOX 1207 DUNN, NC 28335-1207

REVISIONS

FLEET TEMPLE ENGINEERING PLLC

5245 Red Hill Church Road • Coats, NC 27521
910.955.2246 • fleet@templeengineering.com • P-2357

DETAILS FOR PJS TRUCK BODIES

HORIZONTAL SCALE: N/A
VERTICAL SCALE: N/A
DATE: 06/26/2024
PJE JOB# 1089

C2.2

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GENERAL

- THESE DRAWINGS ARE TO BE COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND CIVIL DRAWINGS.
- THIS STRUCTURE AND ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE SECTIONS OF THE NC BUILDING CODE AND ANY LOCAL LAWS WHERE THE STRUCTURE IS TO BE CONSTRUCTED.
- THESE STRUCTURAL NOTES ARE AN INTEGRAL PART OF THE STRUCTURAL DRAWINGS AND ARE TO BE USED IN CONJUNCTION WITH THE JOB SPECIFICATIONS. WHEN THERE ARE NO SPECIFICATIONS IN ADDITION TO THESE NOTES SHALL GOVERN. WHEN THERE IS A SPECIFICATION IN ADDITION TO THE NOTES THE MORE STRINGENT OF THE TWO SHALL GOVERN.

MISCELLANEOUS

- THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING, SHORING, AND GUYING OF FRAMING AND WALLS AGAINST WIND, CONSTRUCTION LOADS, AND OTHER TEMPORARY FORCES UNTIL SUCH PROTECTION IS NO LONGER REQUIRED FOR THE SAFE SUPPORT OF THE FRAMING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE DIMENSIONS OF THE STRUCTURAL DRAWINGS AND ADVISING THE ENGINEER OF ANY DIFFERENCES IN DIMENSIONS BETWEEN THE PRE-ENGINEERED METAL BUILDING PLANS AND SECTIONS PRIOR TO COMMENCING CONSTRUCTION.
- CONSTRUCTION SAFETY: THESE STRUCTURAL DRAWINGS DO NOT CONTAIN NECESSARY COMPONENTS FOR SAFETY DURING CONSTRUCTION.

FOUNDATIONS

- THE STRUCTURAL ENGINEER HAS NOT PERFORMED A SUBSURFACE INVESTIGATION. THE FOUNDATION IS BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2000 PSF NET BEARING. VERIFICATION OF THIS ASSUMED VALUE IS THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR. SHOULD ANY ADVERSE SOIL CONDITION BE ENCOUNTERED, THE STRUCTURAL ENGINEER MUST BE CONTACTED BEFORE PROCEEDING.
- ANY FILL SHALL BE PLACED UNDER THE DIRECTION OR RECOMMENDATION OF A LICENSED PROFESSIONAL ENGINEER. THE RESULTING SOIL SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT MAXIMUM DRY DENSITY.
- SITE PREPARATION: REMOVE TOPSOIL, ORGANICS, SOFT CLAY, AND ANY OTHER UNSOUND MATERIAL FROM UNDER ALL FLOOR SLABS, FOOTINGS, AND 5'-0" BEYOND BUILDING WALL. PROOFROLL THE EXPOSED SUBGRADE WITH A FULLY LOADED, TANDEN AXLE DUMP TRUCK OR SIMILAR RUBBER TIERED CONSTRUCTION EQUIPMENT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER IN ORDER TO DENSIFY THE EXPOSED SUBGRADE AND TO LOCATE SOFT UNSUITABLE SOILS. REMOVE AND REPLACE ANY UNSUITABLE SOILS AS DIRECTED BY THE GEOTECHNICAL ENGINEER. BACKFILL AS REQUIRED WITH CLEAN SELECTED FILL, COMPACTED IN 8" TO 10" LOOSE THICKNESS LIFTS AND COMPACT TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. UPPER 18" OF FILL UNDER FLOOR SLABS TO BE COMPACTED IN 6" MAXIMUM LAYERS TO 98% DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D-698).
- WHEN BOTTOM OF FOUNDATIONS ARE AT OR BELOW THE GROUND WATER TABLE, PROPERLY DEWATER THE FOUNDATION EXCAVATION PRIOR TO PLACING CONCRETE.
- AN IMAGINARY 45 DEGREE LINE EXTENDING DOWNWARD AND OUTWARD FROM THE BOTTOM CORNER OF ANY EXISTING FOUNDATION SHALL NOT INTERSECT ANT INTENDED EXCAVATION FOR ADJACENT FOUNDATIONS OR UTILITIES, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

CONCRETE

- REINFORCED CONCRETE WORK SHALL COMPLY WITH BOTH "SPECIFICATIONS FOR STRUCTURAL BUILDINGS" ACI 301 AND "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318
- CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304R.
- DURING HOT WEATHER THE CONTROL OF CONCRETE PLACEMENT, PROTECTION AND CURING SHALL COMPLY WITH ACI 306R.
- WHEN THE MEAN DAILY TEMPERATURE IS BELOW 40 DEGREES F THE CONTROL OF PLACEMENT, PROTECTION AND CURING SHALL COMPLY WITH ACI 306R.
- CONCRETE SHALL HAVE NORMAL WEIGHT AGGREGATE AND A MINIMUM COMPRESSIVE STRENGTH (F_c) AT 28 DAYS AS LISTED BELOW.

5.1 FOOTINGS3000 PSI

5.2 SLABS-ON-GRADE3000 PSI
- ENTRAINED AIR MUST BE USED IN ALL CONCRETE THAT WILL BE EXPOSED TO FREEZING AND THAWING AND DEICING CHEMICALS. AMOUNT OF AIR ENTRAINMENT (PERCENT) SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE WITH A RANGE OF -1 TO +2 PERCENTAGE POINTS OF THE TARGET VALUE:

6.1 FOOTINGS5%

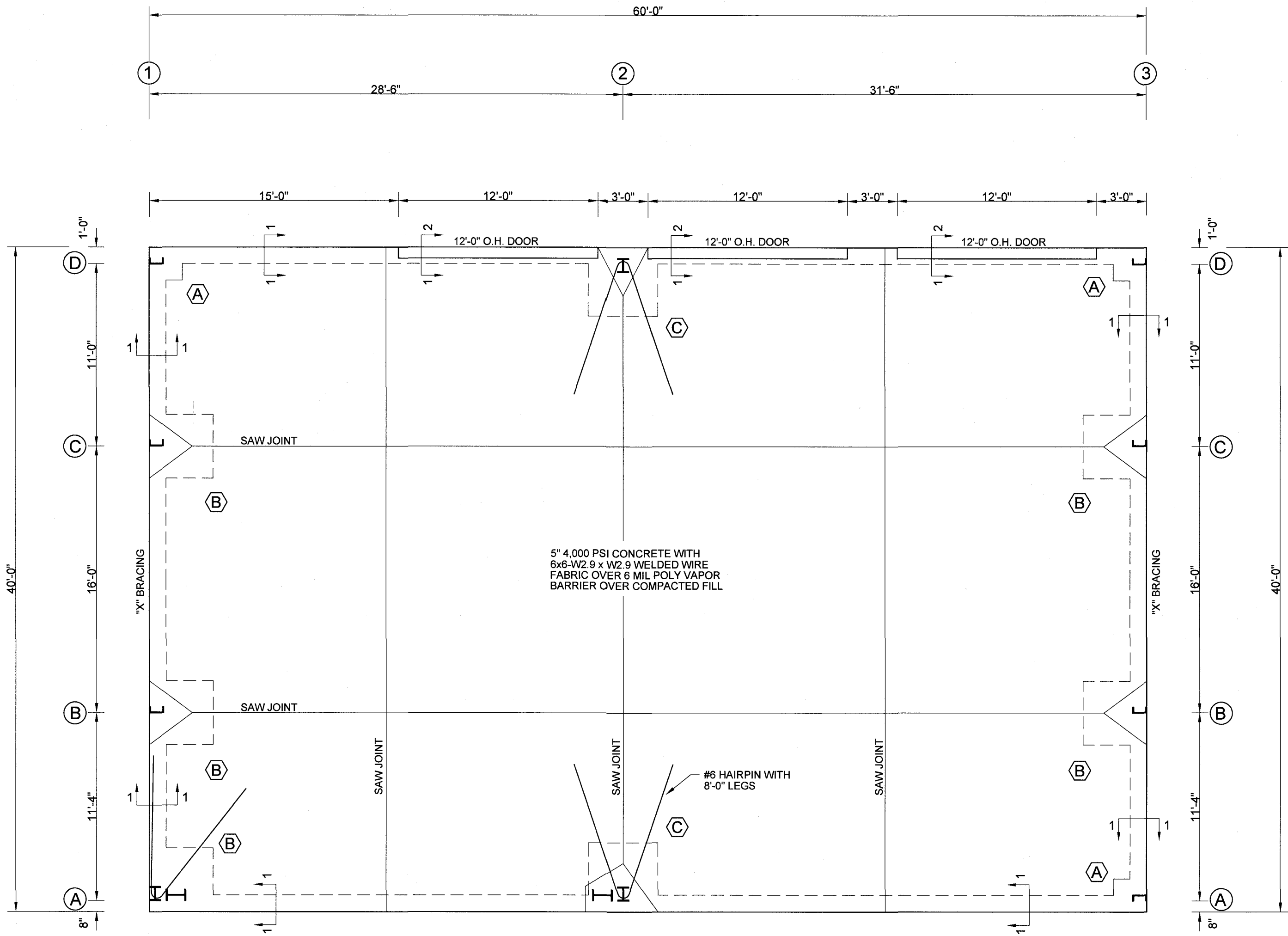
6.2 INTERIOR SLABS0%, SEE NOTE BELOW

6.3 EXTERIOR SLABS5%

NOTE: IT IS RECOMMENDED THAT INTERIOR SLABS TO BE GIVEN A SMOOTH, DENSE, HARD-TROWELED FINISH NOT TO CONTAIN ENTRAINED AIR SINCE BLISTERING OR DELAMINATION MAY OCCUR. IF SLAB WILL BE EXPOSED TO DEICING OR OTHER AGGRESSIVE CHEMICALS, CONTACT STRUCTURAL ENGINEER FOR PROPER AIR ENTRAINMENT REQUIREMENTS.
- CONCRETE SLABS ON GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302.1R-96 "GUIDE FOR CONCRETE SLAB AND SLAB CONSTRUCTION"
- CONTROL JOINTS SHALL BE SPACED IN SLABS ON GRADE AT A MAXIMUM OF 20'-0" O.C. UNLESS OTHERWISE NOTED.

REINFORCING STEEL

- REINFORCING STEEL SHALL COMPLY WITH ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A185. WELDABLE REINFORCING BARS SHALL COMPLY WITH ASTM A706, GRADE 60.
- CLEAR CONCRETE COVER ON REINFORCING STEEL: BOTTOM OF FOOTINGS= 3", SIDE AND TOP SURFACE OF FOOTINGS= 2", BOTTOM OF SLAB ON GRADE = 2 1/2", WALL SURFACE = 2", TOP OR BOTTOM SURFACE OF FLOOR SLABS = 3/4"
- PROVIDE CLASS 3 BAR AND MESH SUPPORTS.
- DETAILING, FABRICATION AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 315 (LATEST EDITION) MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES.
- HORIZONTAL FOOTING AND WALL REINFORCEMENT SHALL BE CONTINUOUS AND AND SHALL HAVE 90° BENDS OR CORNER BARS SHALL BE INSTALLED. THE CORNER BAR SHALL HAVE THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCEMENT WITH A CLASS B TENSION SPLICE.
- LAP REINFORCEMENT AS REQUIRED A MINIMUM OF 40 BAR DIAMETERS FOR TENSION OR COMPRESSION UNLESS NOTED OTHERWISE. SPLICES IN MASONRY SHALL BE A MINIMUM OF 48 BAR DIAMETERS.
- WHERE REINFORCING DOWELS ARE REQUIRED THEY SHALL BE EQUIVALENT SIZE AND SPACING AS THE VERTICAL REINFORCEMENT. THE DOWEL SHALL EXTEND 48 BAR DIAMETERS VERTICALLY AND 20 BAR DIAMETERS INTO FOOTING.



1
F-1 **FOUNDATION PLAN**
SCALE: 3/16"=1'-0"

ANCHOR BOLTS REQUIRED

SIZE	TYPE	NUMBER	LENGTH	LT	NUTS	WASHERS
3/4"	ROD	48	18"	4"	48	48

NOTE: DO NOT "RAM" ANCHOR BOLTS INTO FRESHLY POURED CONCRETE SLAB. ALL ANCHOR BOLTS, WITH NUTS ATTACHED, ARE TO BE PLACED IN PRE DRILLED TEMPLATES AND PROPERLY SUPPORTED, PRIOR TO CONCRETE POUR. BE SURE TO VIBRATE CONCRETE AROUND ANCHOR BOLTS.

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SMITH ENGINEERING AND DESIGN, P.A.

1103 Gracie Place, Suite A

Goldshoro, N.C. 27534

Corporation License No. C-2241

Phone: 919.736.2141

Fax: 919.736.2142

REVISIONS	
REV	DESCRIPTION

PJ's Truck Bodies & Equipment Co.

1560 George Perry Lee Road

Dunn, NC 28334

DATE: 19 May 2023

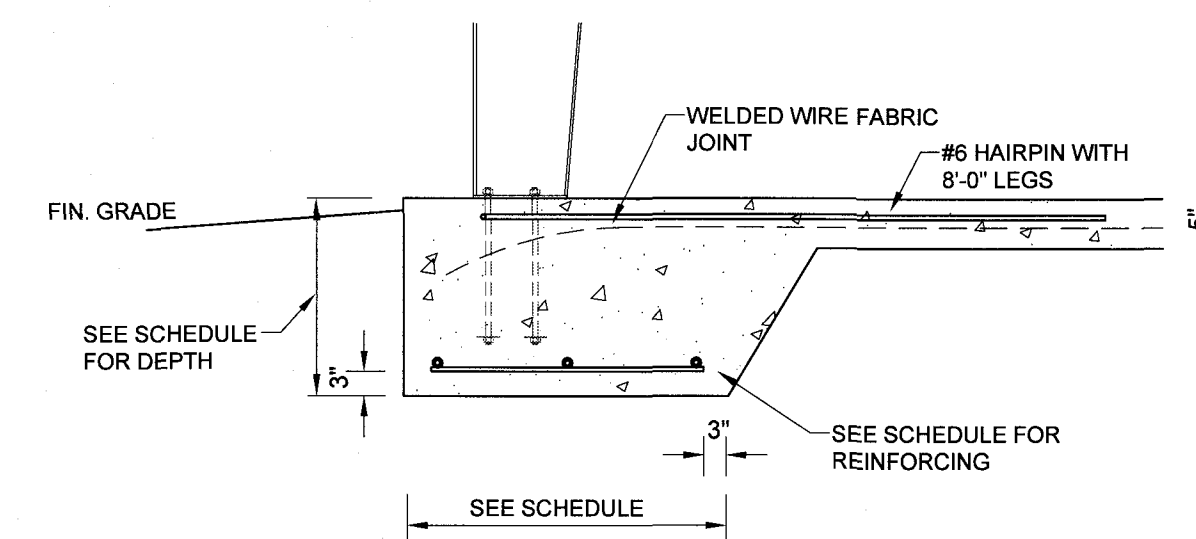
DRAWN BY: J.S.

SCALE: 3/16" = 1'-0"

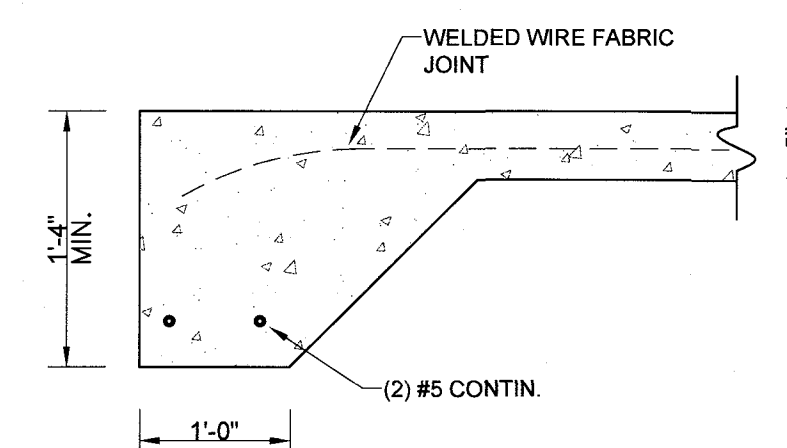
F-1



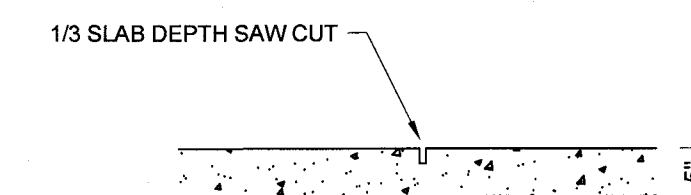
MARK	FOOTING SIZE	REBAR
	2'-0" X 2'-0" X 2'-0"	(3) #4 E.W.
	3'-10" X 3'-10" X 2'-0"	(5) #4 E.W.
	4'-2" X 4'-2" X 2'-0"	(6) #4 E.W.



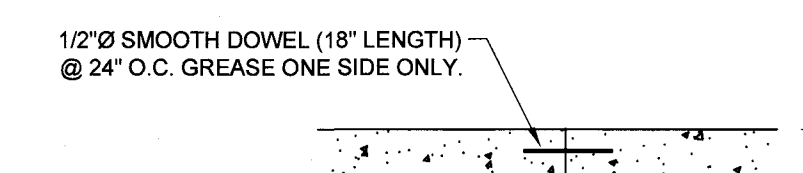
FOOTING DETAIL



SECTION 1-1

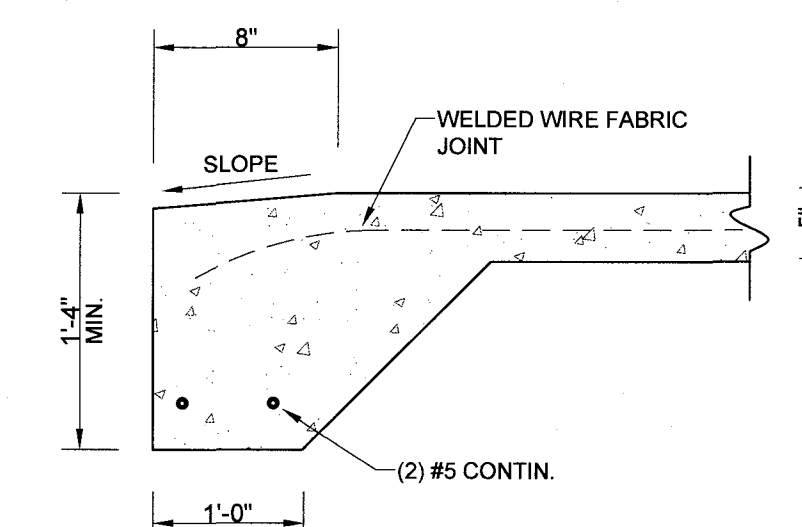


SAW JOINT



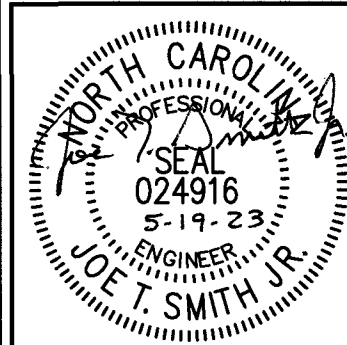
DOWEL CONSTRUCTION JOINT

NOTE: DOWELED CONSTRUCTION JOINTS
MAY BE SUBSTITUTED FOR SAW JOINTS.



SECTION 1-2
AT O.H. DOORS

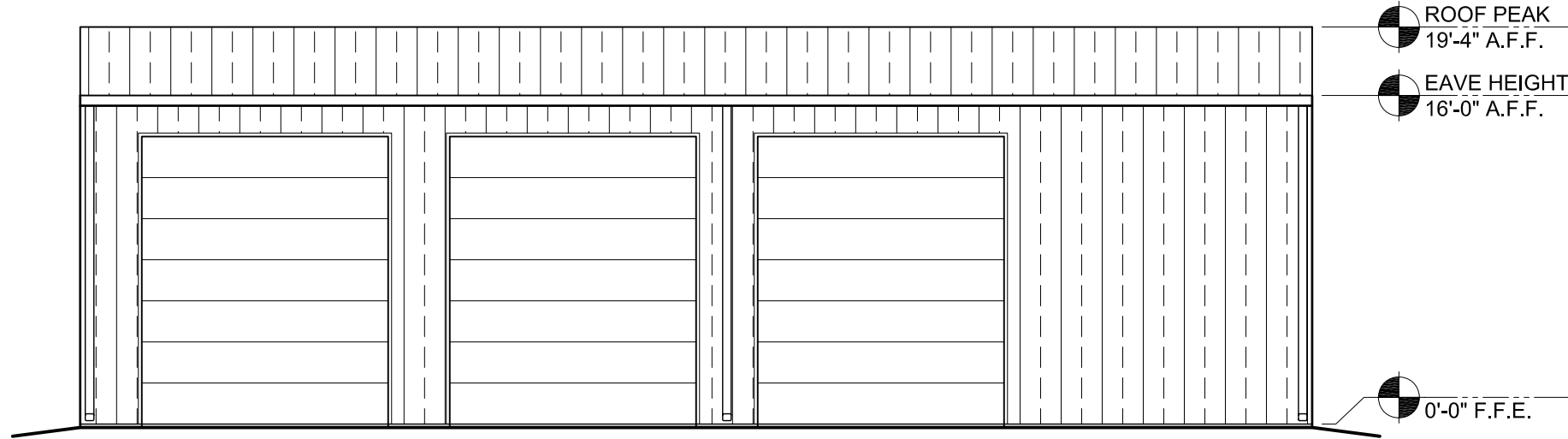
**SMITH ENGINEERING
AND DESIGN, P.A.**
1103 Gracie Place, Suite A
Goldsboro, N.C. 27534
Corporation License No. C-2241
Phone: 919.736.2141 Fax: 919.736.2142

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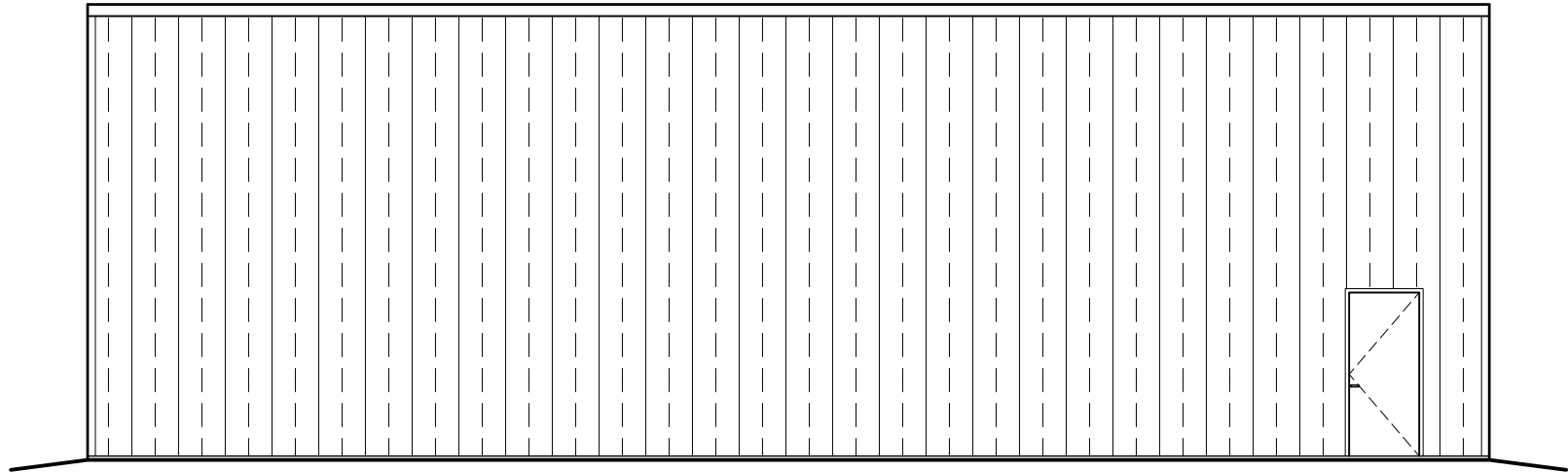
**PJ's Truck Bodies
& Equipment Co.**
1560 George Perry Lee Road
Dunn, NC 28334

DATE:	19 May 2023
DRAWN BY:	J.S.
SCALE:	N.T.S.

F-2



2 SOUTH ELEVATION
Scale : 1/8" = 1'-0"



3 NORTH ELEVATION
Scale : 1/8" = 1'-0"

LEGEND

FIRE EXTINGUISHER

FE

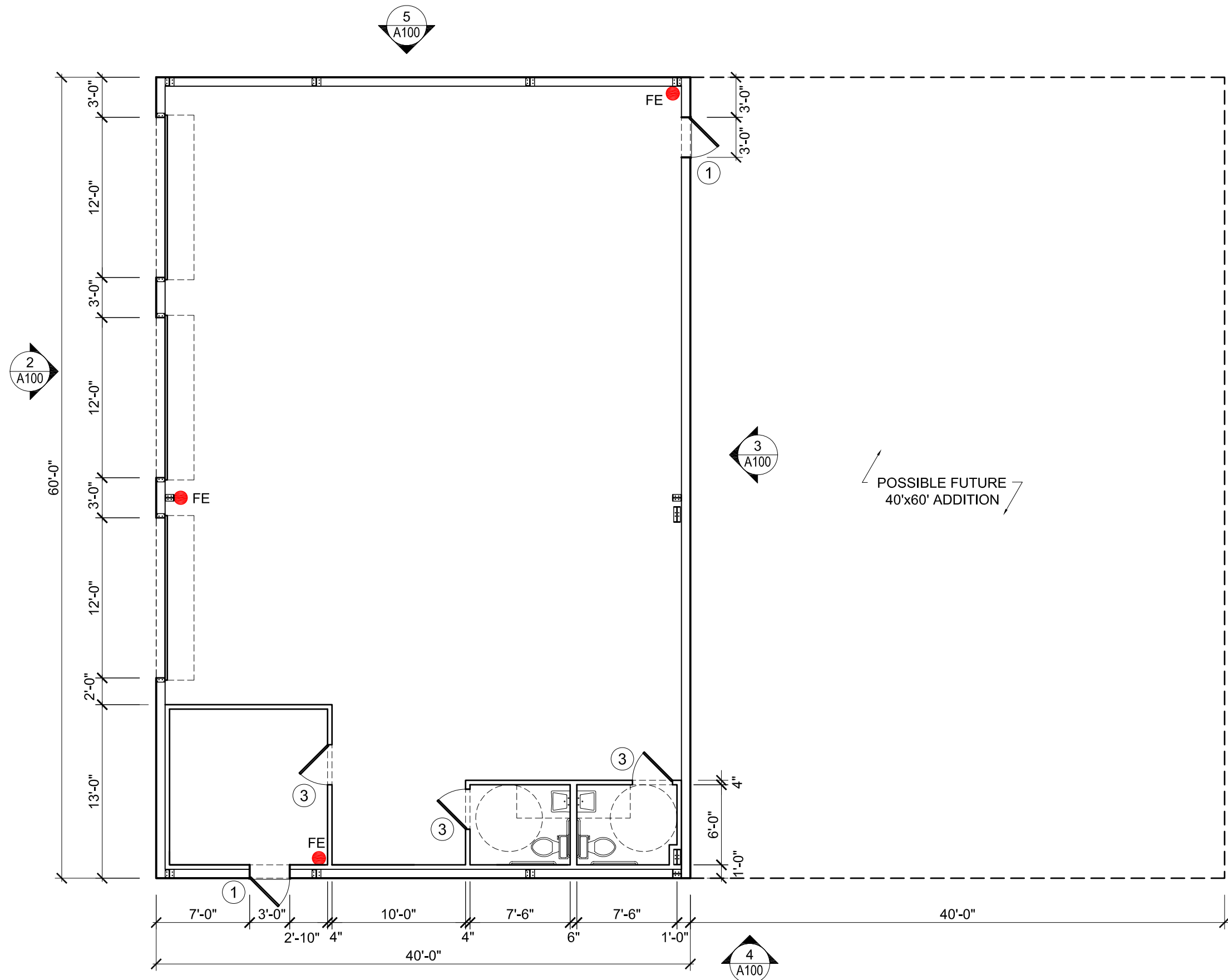
NOTES:

1. Field verify all dimensions and conditions.

2. All work is to be done in accordance with the current version of the NC Building Code.

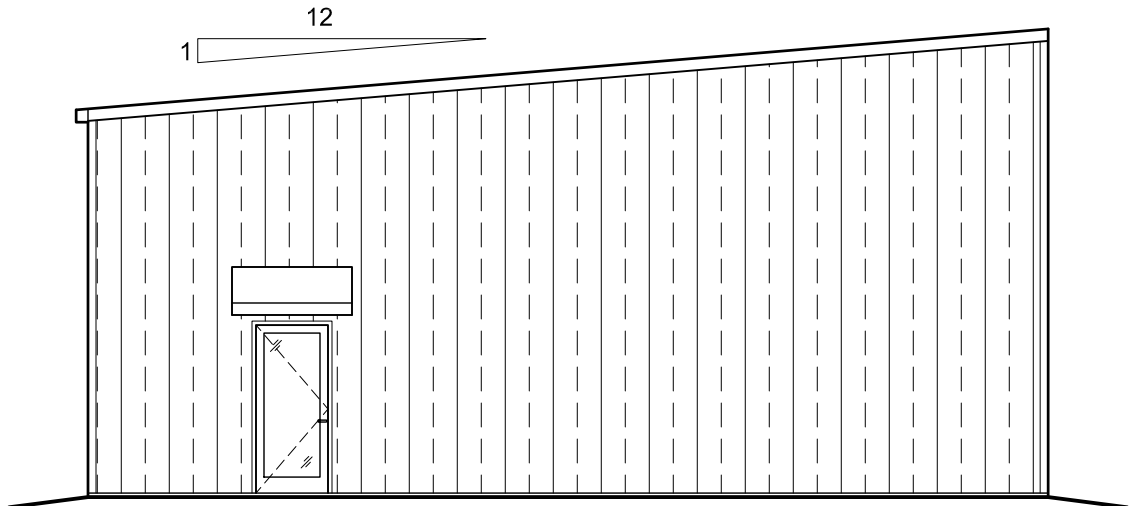
3. For F-1 Occupancy and Type II-B construction with a fire separation distance of greater than 10' the exterior walls require 0 fire-resistance ratings. (NCBC Table 602)

DOOR SCHEDULE			
SYM	SIZE	QTY.	NOTES
①	3'-0"x7'-0"	2	EXTERIOR DOOR
②	12'-0"x14'-0"	3	OVERHEAD GARAGE DOOR
③	3'-0"x7'-0"	3	INTERIOR DOOR

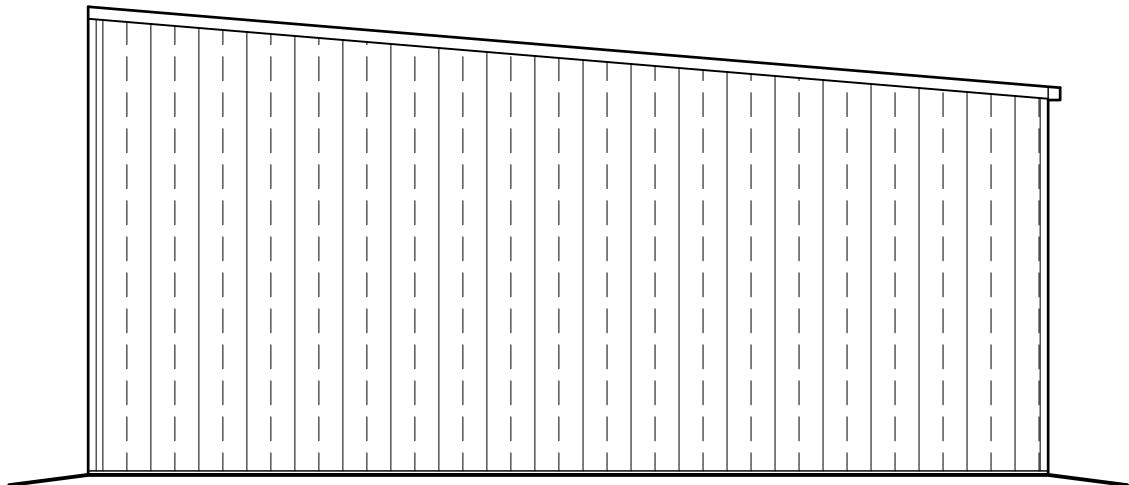


1 FLOOR PLAN
Scale : 1/8" = 1'-0"

0 2 4 8 16



4 EAST ELEVATION
Scale : 1/8" = 1'-0"



5 WEST ELEVATION
Scale : 1/8" = 1'-0"

Permit Set

11.10.2023

1560 George Perry Lee Rd.
Dunn, NC 28334

Telephone: 910.892.5286
Fax: 910.891.4396

Email:
jonas@pjstruckbodies.com

Website:
www.pjstruckbodies.com

FLOOR PLAN
& ELEVATIONS

A100

PLUMBING SCHEDULE		
DESCRIPTION	SYMBOL	
COLD WATER		CW
HOT WATER		HW
HOT WATER RECIRC.		HWRECIRC.
VENT PIPING		V
WASTE PIPING		W
CLEAN OUT @ GRADE		C.O.A.G.
FLOOR CLEAN OUT		F.C.O.
FLOOR CLEAN OUT		F.C.O.
NON FREEZE HOSE BIBB		NFHB
FLOOR DRAIN		F.D.
CHECK VALVE		
BALL VALVE		
GATE VALVE		
SHUT-OFF VALVE		
BACKFLOW PREVENTER		
FIXTURE DESIGNATION	P--	
MOUNTING HEIGHT	MH	
SHOCK ABSORBER W/BALL VALVE SHUT-OFF		SA (SIZE PER MANUF. RECOMMENDATIONS)
HOSE BIBB		HB MH=24"

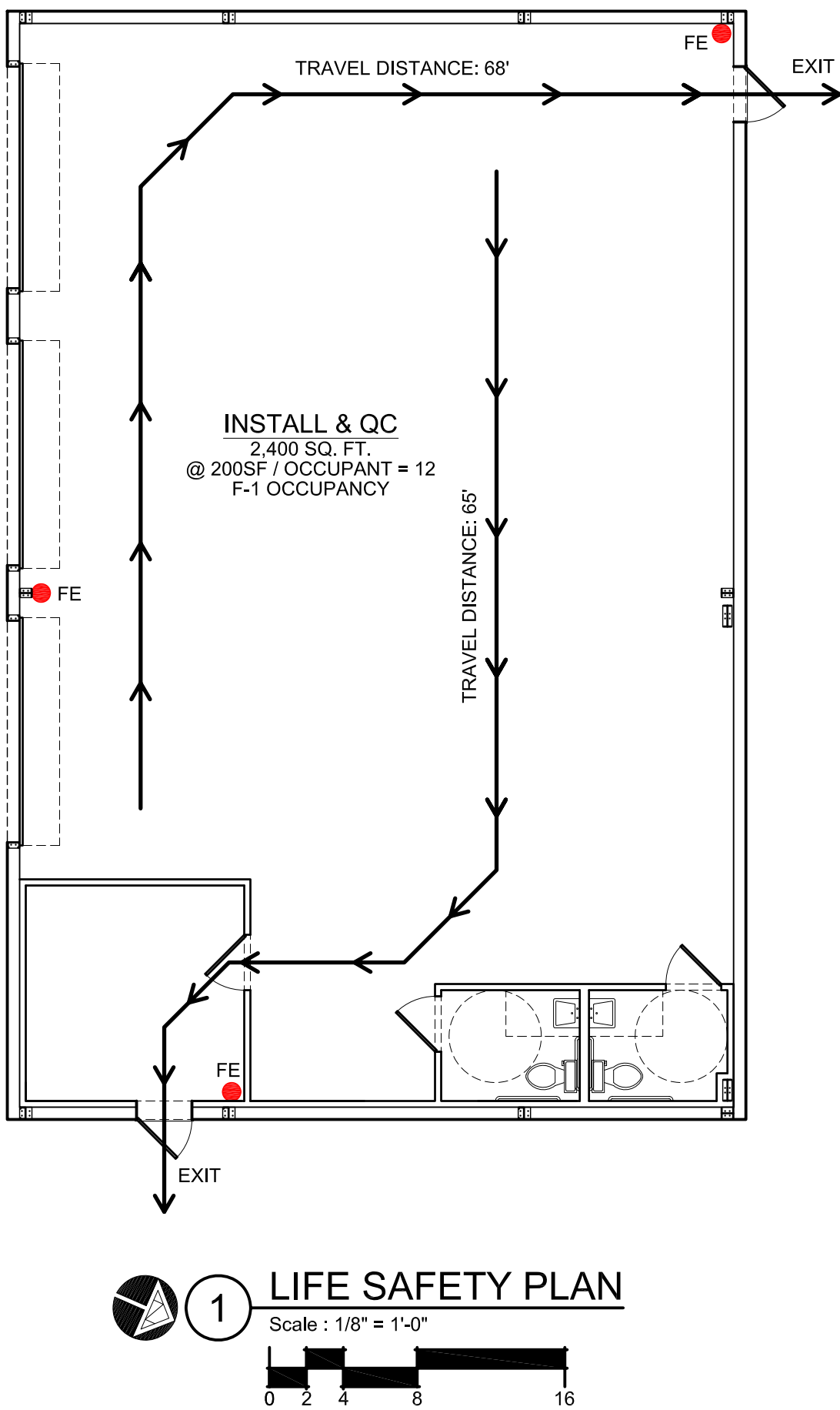
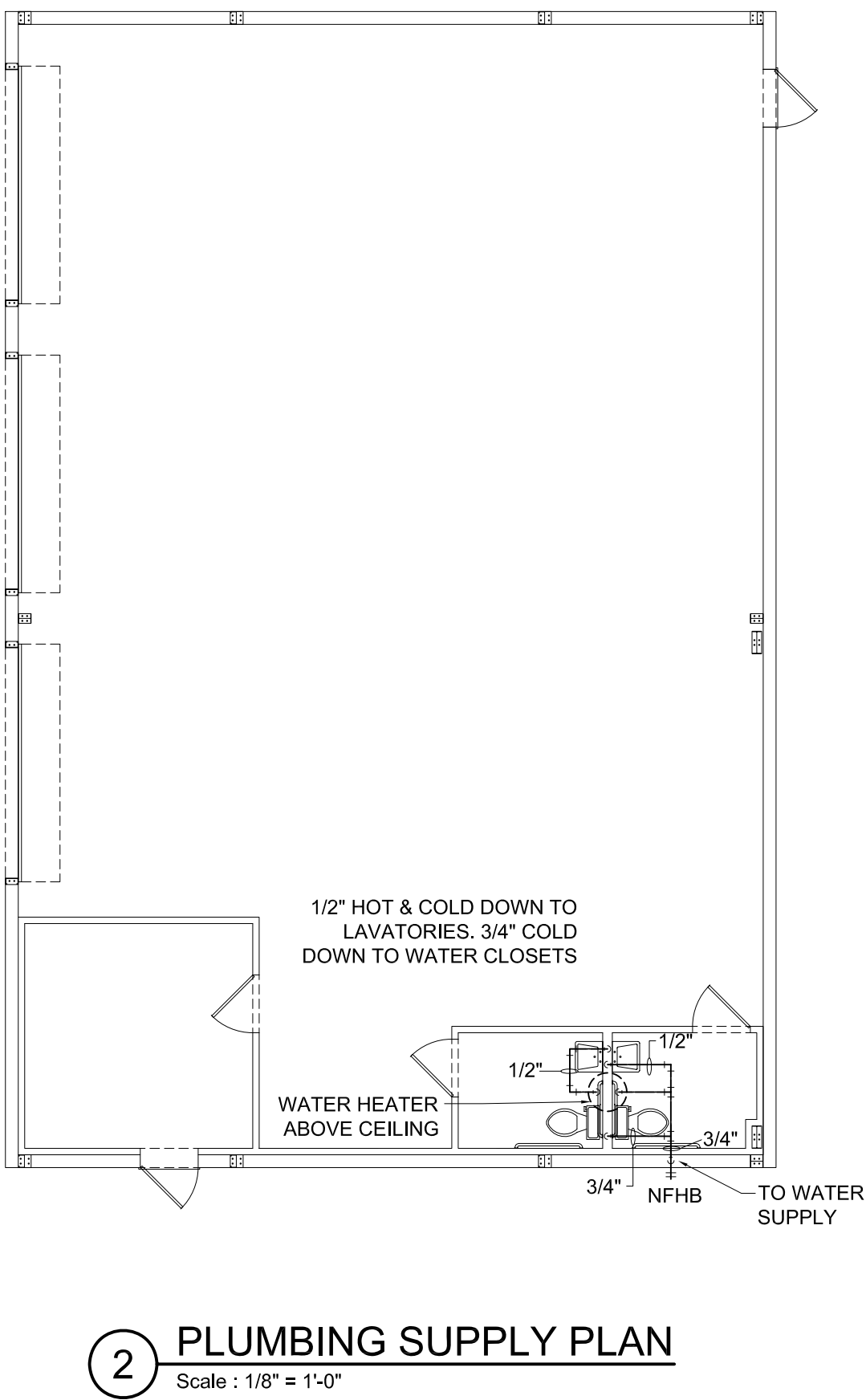
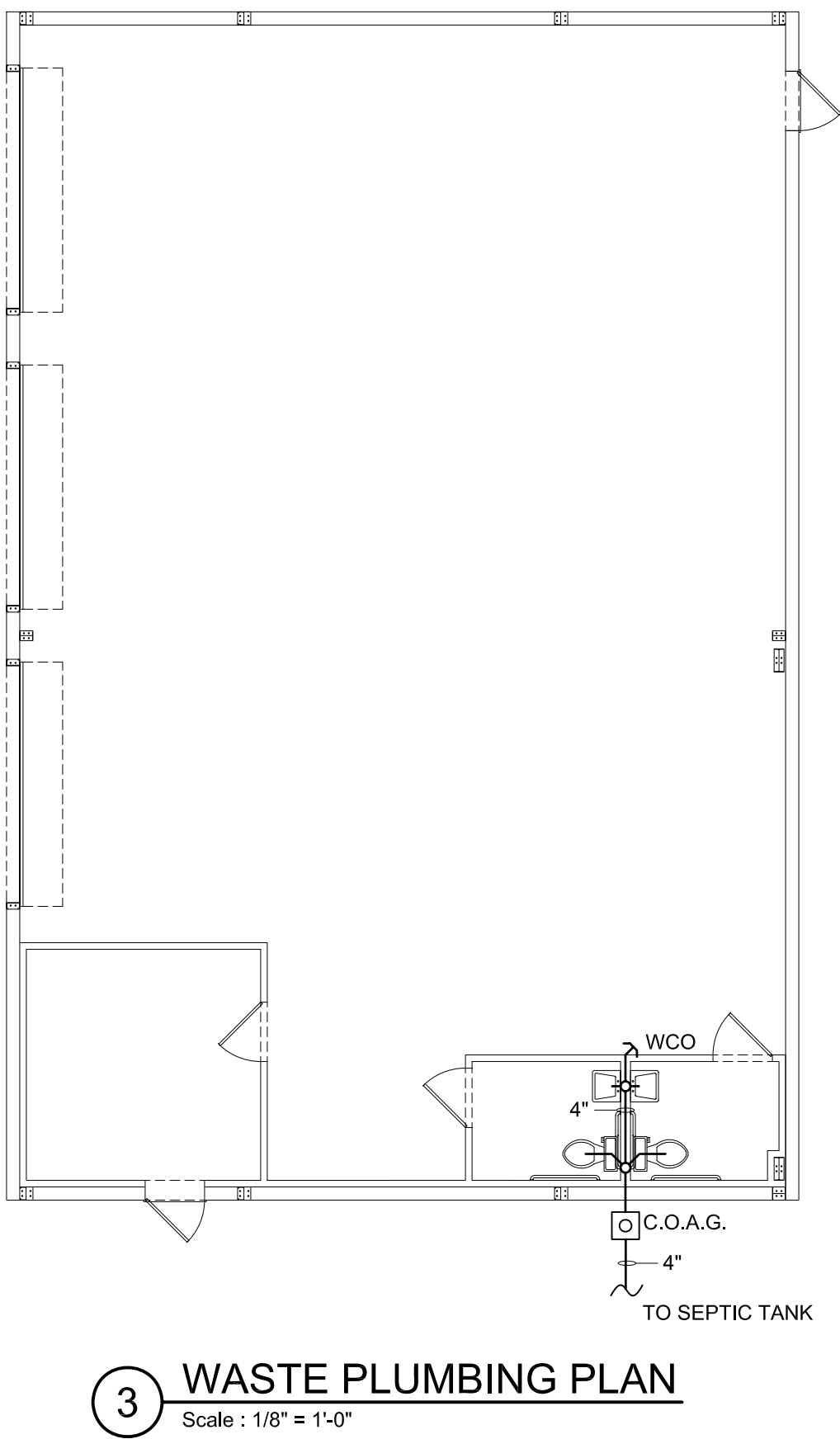
NOTES:

- Field verify all dimensions and conditions.
- All work shall comply with the International Plumbing Code, the NC Building Code, and the requirements of the local inspector.
- All work shall be done by a licensed plumbing contractor.

LEGEND

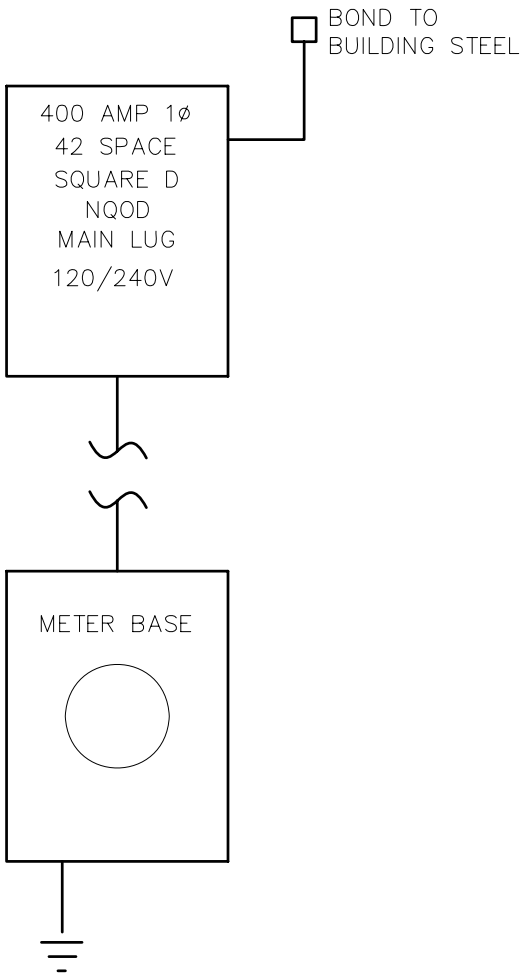
FIRE EXTINGUISHER

FE



PANEL: TBD		SCHEDULE: _____		MANUFACTURER: SQ. D.		NO. OF SPACES: 42						
VOLTS: 120/240		AMPS: 400		TYPE: "N00D"		MOUNTING SURFACE _____						
ENCLOSURE: NEMA 1		# 1		SHORT CIRCUIT RATING: 10K		_____						
MAIN: _____		MLO: _____		TOP FEED: ☐ BOTTOM FEED: ☐		COPPER BUS: ☐ GROUND BAR KIT: ☐ NEUTRAL BAR KIT: ☐						
L1	L2	CIRCUIT	POLES	TRIP	ASSIGNMENT	PHASE	ASSIGNMENT	TRIP	POLES	CIRCUIT	L1	L2
TBD	*	1	1	20	OFFICE LIGHTS	o	OFFICE RECEPTACLES	20	1	2	TBD	*
*	TBD	3	1	20	RESTROOM LIGHTS	o	SHOP RECEPTACLES	20	1	4	*	TBD
TBD	*	5	1	20	SHOP LIGHTS	o	SHOP RECEPTACLES	20	1	6	TBD	*
*	TBD	7	1	20	SHOP LIGHTS	o	ROLLUP DOOR 1	20	1	8	*	TBD
TBD	*	9	1	20	EXTERIOR LIGHTS	o	ROLLUP DOOR 2	20	1	10	TBD	*
*	TBD	11	1			o	ROLLUP DOOR 3	20	1	12	*	TBD
*	*	13	1			o			1	14	*	*
*		15	1			o			1	16	*	*
*	*	17	1			o			1	18	*	*
*		19	1			o			1	20	*	*
*	*	21	1			o			1	22	*	*
*		23	1			o			1	24	*	*
*	*	25	1			o			1	26	*	*
*		27	1			o			1	28	*	*
*	*	29	1			o			1	30	*	*
*		31	1			o			1	32	*	*
*	*	33	1			o			1	34	*	*
*		35	1			o			1	36	*	*
*	*	37	1			o			1	38	*	*
*		39	1			o			1	40	*	*
*	*	41	1			o			1	42	*	*

L1 = TBD A
L2 = TBD A



- NOTES:
- Field verify all dimensions and conditions.
 - All work shall comply with the National Electric Code, the NC Building Code, and the requirements of the local inspector.
 - All work shall be done by a licensed electrical contractor.

LEGEND

BATTERY BACKUP EMERGENCY LIGHTING

EXTERIOR LIGHT OVER EXIT

BACK LIT EXIT SIGN

LED LIGHT FIXTURE

LED LIGHT FIXTURE NIGHT LIGHT (UNSWITCHED)

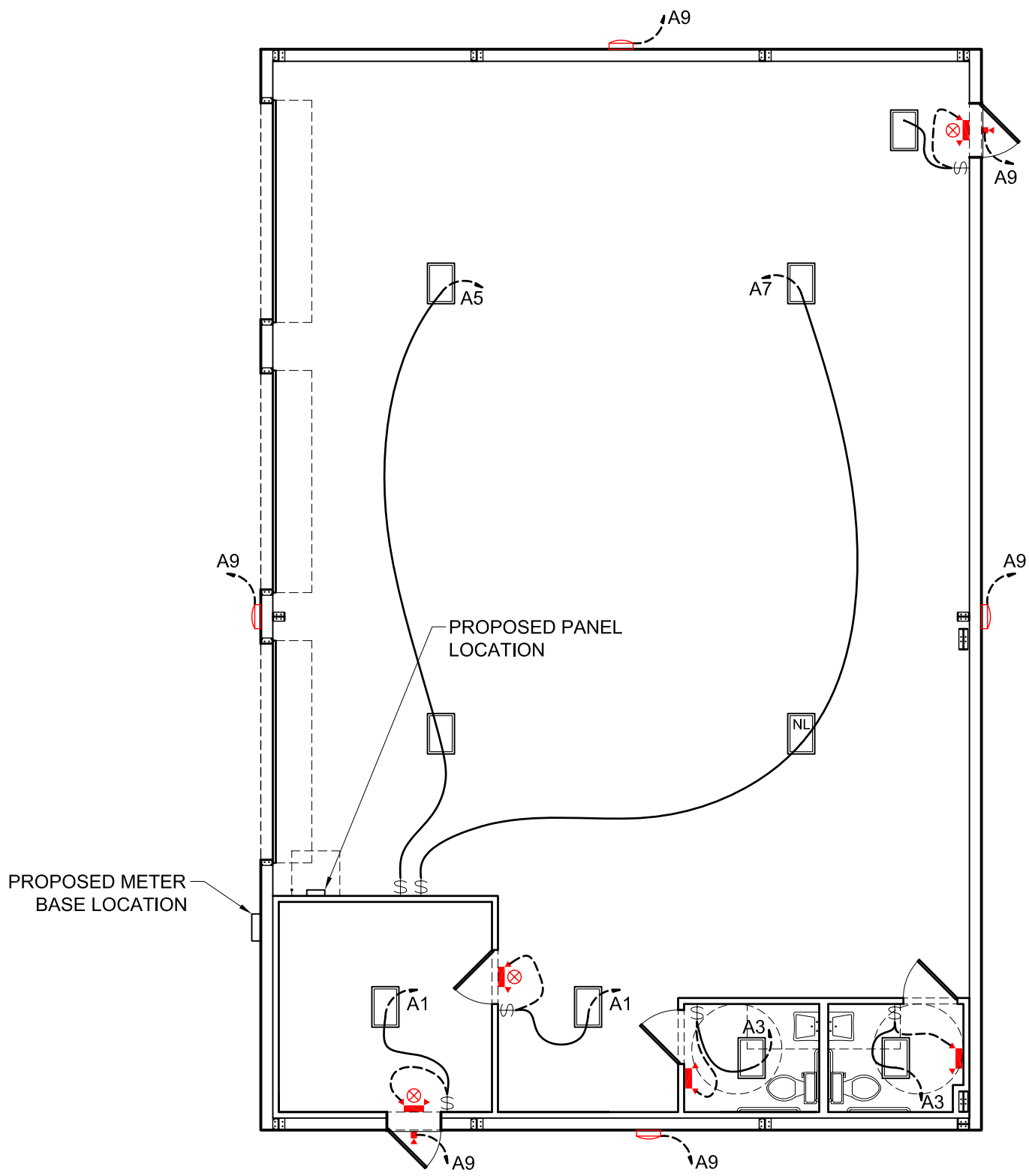
SWITCHED BRANCH CIRCUIT

UNSWITCHED BRANCH CIRCUIT

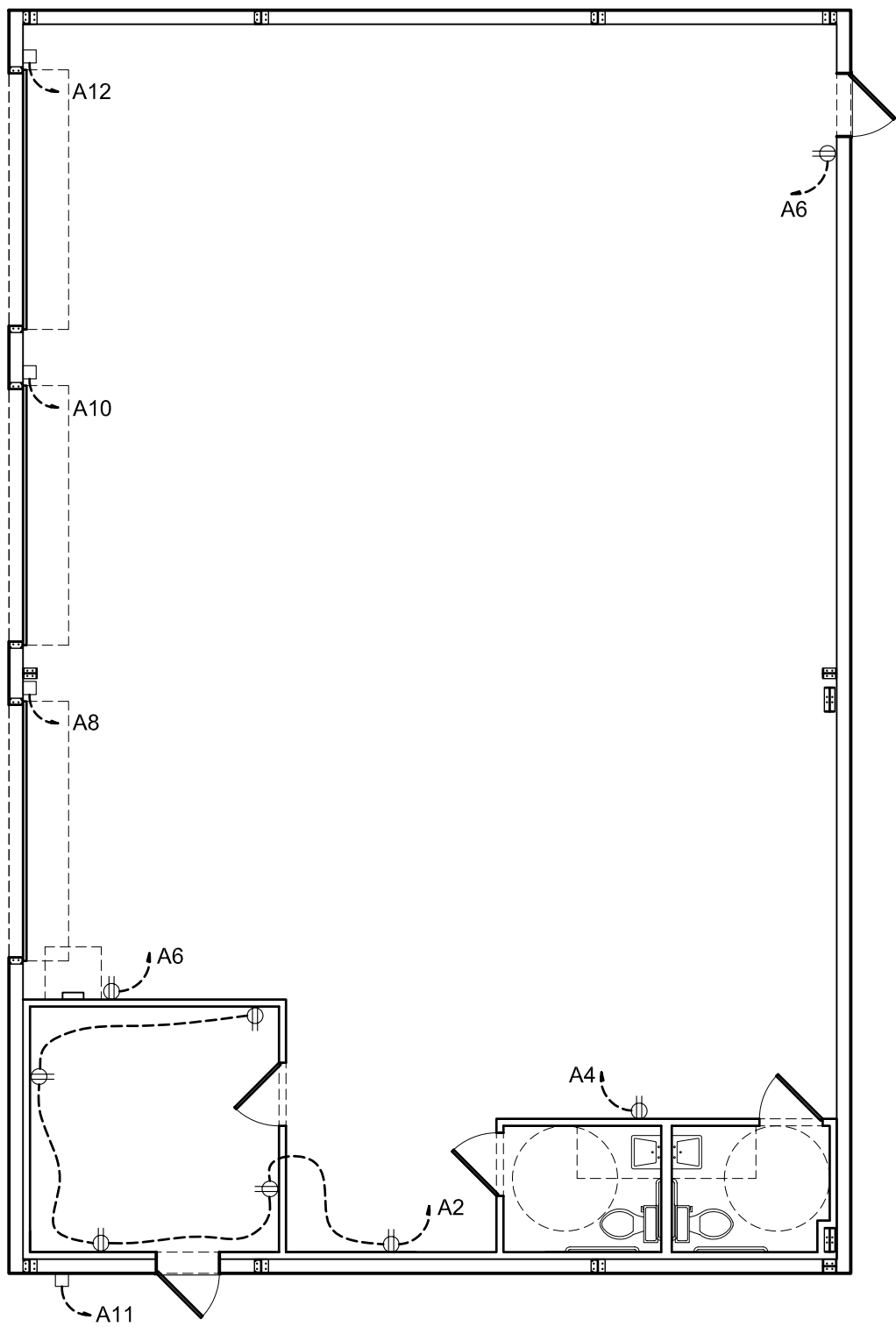
DUPLEX RECEPTACLE

EXTERIOR LIGHT WALL SCNCE

DEDICATED CIRCUIT FOR ROLLUP DOOR



1 LIGHTING PLAN
Scale : 1/8" = 1'-0"



2 POWER PLAN
Scale : 1/8" = 1'-0"

BUILDING PROFILE

Width (ft) = 40 Eave Height (ft) = 19.33 H.S.
Length (ft) = 60 Roof Slope (Rise/12) = 1.0:12

BUILDING LOADS

- A) THIS IS TO CERTIFY THAT THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY NCBC 18 / IBC 15
- B) THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY THE BUILDING MANUFACTURER AND AS SPECIFIED IN THE CONTRACT. ACCESSORY ITEMS SUCH AS DOORS, WINDOWS, LOUVERS, TRANSLUCENT PANELS, VENTILATORS ARE NOT INCLUDED. ALSO EXCLUDED ARE OTHER PARTS OF THE PROJECT NOT PROVIDED BY THE BUILDING MANUFACTURER SUCH AS FOUNDATIONS, MASONRY WALLS, MECHANICAL EQUIPMENT AND THE ERECTION AND INSPECTION OF THE BUILDING. THE BUILDING SHOULD BE ERECTED ON A PROPERLY DESIGNED FOUNDATION IN ACCORDANCE WITH THE BUILDING MANUFACTURER'S DESIGN MANUAL, THE ATTACHED DRAWINGS, AND GOOD ERECTION PRACTICES. THE END USER AND/OR ENGINEER OF RECORD IS TO CONFIRM THAT THESE LOADS COMPLY WITH REQUIREMENTS OF THE LOCAL BUILDING DEPT.

OCCUPANCY/RISK CATEGORY II - Normal Is 1.0000 Ie 1.00

WIND LOAD ULTIMATE 120 MPH NOMINAL 92.95 MPH WIND EXPOSURE B

CLOSURE TYPE Enclosed INTERNAL WIND COEF. -0.18 / 0.18

GROUND SNOW LOAD 10.00 PSF ROOF SNOW LOAD 7 PSF Ce 1.0000 Ct 1.00

SNOW BANKING LOADS PER CODE

COLLATERAL DEAD LOAD 0.5 PSF

ROOF LIVE LOAD 20.00 PSF (REDUCIBLE Yes)

DEAD LOAD 2.000 PSF (FOR ROOF PANELS AND PURLINS)

SEISMIC

SPECTRAL RESPONSE Ss 0.1810 S1 0.0850 Sds 0.1931 Sd1 0.1360

SITE CLASS D DESIGN RISK CATEGORY C Cs 0.0644

RESPONSE MODIFICATION FACTOR, R 3.000* FRAMES 3.000* BRACING

BASIC SEISMIC FORCE RESISTING SYSTEM (LATERAL DIRECTIONS) = ORDINARY STEEL MOMENT FRAMES

BASIC SEISMIC FORCE RESISTING SYSTEM (ENDWALLS) = ORDINARY STEEL CONCENTRICALLY BRACED FRAMES

BASIC SEISMIC FORCE RESISTING SYSTEM (LONGITUDINAL DIRECTIONS) = ORDINARY STEEL MOMENT FRAMES

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

SERVICEABILITY CRITERIA

STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.

MINIMUM DESIGN DEFLECTIONS			
Endwall Column	= 120	Roof Panel (Live)	= 60
Endwall Rafter (Live)	= 180	Roof Panel (Wind)	= 60
Endwall Rafter (Wind)	= 180	Rigid Frame (Horz)	= 60
Wall Girt	= 90	Rigid Frame (Vert)	= 180
Roof Purlin (Live)	= 150	Rigid Frame (Seismic)	= 50
Roof Purlin (Wind)	= 150		
Wall Panel	= 60		

GENERAL NOTES

- A) THE STRUCTURE UNDER THIS CONTRACT HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS STIPULATED IN THE CONTRACT AND SHOWN ON THESE DRAWINGS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS, OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE ADVICE AND DIRECTION OF A REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER. THE BUILDING MANUFACTURER WILL ASSUME NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.
- B) THIS METAL BUILDING IS DESIGNED WITH THE BUILDING MANUFACTURER'S STANDARD PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES.

1. AMERICAN INSTITUTE OF STEEL CONSTRUCTION: "AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN"
2. AMERICAN IRON AND STEEL INSTITUTE: "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
3. AMERICAN WELDING SOCIETY: "STRUCTURAL WELDING CODE" AWS D1.1.
4. METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL"

- C) 1) MATERIAL PROPERTIES OF STEEL PLATE USED IN THE FABRICATION OF PRIMARY RIGID FRAMES, AND OTHER PRIMARY STRUCTURAL EXCLUSIVE OF COLD-FORMED SECTIONS, CONFORM TO ASTM-A529 OR A572 . FLANGES WITH THICKNESS OF ONE INCH OR LESS AND WIDTH OF 12" OR LESS CONFORM TO A529 WITH A MINIMUM YIELD POINT OF 55,000 psi. FLANGES GREATER THAN 1" IN THICKNESS OR 12" IN WIDTH CONFORM TO A572 WITH A MINIMUM YIELD POINT OF 50,000 psi. WEB MATERIAL CONFORMS TO ASTM-A529 WITH A MINIMUM YIELD POINT OF 55,000 psi.
- 2) MATERIAL PROPERTIES OF PIPE SECTIONS CONFORM TO ASTM-A500, GRADE B WITH A MINIMUM YIELD POINT OF 42,000 psi.
- 3) MATERIAL PROPERTIES OF TUBE SECTIONS CONFORM TO ASTM-A500, GRADE B WITH A MINIMUM YIELD POINT OF 46,000 psi.
- 4) MATERIAL PROPERTIES OF HOT ROLLED CHANNEL AND ANGLE MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM-A529 WITH MINIMUM YIELD POINT OF 50,000 PSI. HOT ROLLED W-SHAPED MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM-A992 WITH MINIMUM YIELD POINT OF 50,000 PSI.
- 5) MATERIAL PROPERTIES OF COLD FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO EITHER ASTM A653-06 GR 55 OR A1011-04 HSLAS GRADE 55 WITH YIELD OF 55,000 psi.
- 6) MATERIAL PROPERTIES OF ROOF/WALL SHEETING, BASE METAL CONFORM TO ASTM-A792 GRADES 80 CLASS 1, 2 OR 3 WITH A MINIMUM YIELD STRENGTH OF 80,000 PSI. COATING OF BASE MATERIAL IS 55% ALUMINUM-ZINC ALLOY IN ACCORDANCE WITH A255 SPECIFICATIONS.
- 7) CABLE UTILIZED FOR BRACING CONFORMS TO ASTM A475. CABLE BRACING IS TO BE INSTALLED TO A TAUT CONDITION.
- 8) ROD UTILIZED FOR BRACING MEMBERS CONFORM TO ASTM-A36 WITH MINIMUM YIELD POINT OF 36,000 PSI.
- 9) IT IS THE RESPONSIBILITY OF ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE "RCS" SPECIFICATION FOR STRUCTURAL JOINTS USING A-325 OR A-490 BOLTS". ALL A-325 BOLTS IN PRIMARY FRAMING MUST BE "SNUG-TIGHT", EXCEPT AS FOLLOWS:
- "FULLY-PRETENSION" A-325 BOLTS IF:
- a) BUILDING LOCATED IN A HIGH SEISMIC AREA. FOR IBC-BASED CODE, "HIGH SEISMIC AREA" IS DEFINED AS "SEISMIC DESIGN CATEGORY" OF "D", "E" OR "F".
- b) BUILDING SUPPORTS A CRANE SYSTEM WITH A CAPACITY GREATER THAN 5.00 TONS.
- c) BUILDING SUPPORTS MACHINERY THAT CREATES VIBRATION, IMPACT OR STRESS - REVERSALS ON THE CONNECTIONS.
- d) ANY CONNECTION DESIGNATED IN THESE DRAWINGS AS "A-325 - SC".

10) SECONDARY MEMBERS AND FLANGE BRACE CONNECTIONS SHALL ALWAYS BE SNUG TIGHT, UNO.

11) ANCHOR BOLTS 3/4" IN DIAMETER THRU 1 1/4" IN DIAMETER CONFORM TO A.S.T.M. F1554 GR. 36. ANCHOR BOLTS 1/2" IN DIAMETER CONFORM TO A.S.T.M. A-307.

- D) UNLESS NOTED OTHERWISE ON FRAMING COLOR CHART: ALL STEEL MEMBERS EXCEPT BOLTS, FASTENERS, CABLE AND RODS SHALL RECEIVE ONE COAT OF STANDARD RED OXIDE SHOP PRIMER.
- E) SHOP AND FIELD INSPECTIONS AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS STIPULATED OTHERWISE IN THE CONTRACT.

APPROVAL NOTES

THE FOLLOWING CONDITIONS APPLY IN THE EVENT THAT THESE DRAWINGS ARE USED AS APPROVAL DRAWINGS:

A) IT IS IMPERATIVE THAT ANY CHANGES TO THESE DRAWINGS:

- 1) BE MADE IN CONTRASTING INK.
- 2) HAVE ALL INSTANCES OF CHANGE CLEARLY INDICATED.
- 3) BE LEGIBLE AND UNAMBIGUOUS.

B) DATED SIGNATURE IS REQUIRED ON ALL PAGES.

C) MANUFACTURER RESERVES THE RIGHT TO RESUBMIT DRAWINGS WITH EXTENSIVE OR COMPLEX CHANGES REQUIRED TO AVOID MISFABRICATION. THIS MAY IMPACT THE DELIVERY SCHEDULE.

D) APPROVAL OF THESE DRAWINGS INDICATES CONCLUSIVELY THAT THE MANUFACTURER HAS CORRECTLY INTERPRETED THE CONTRACT REQUIREMENTS, AND FURTHER CONSTITUTES AGREEMENT THAT THE BUILDING AS DRAWN, OR AS DRAWN WITH INDICATED CHANGES REPRESENTS THE TOTAL OF THE MATERIALS TO BE SUPPLIED BY MANUFACTURER.

E) ANY CHANGES NOTED ON THE DRAWINGS NOT IN CONFORMANCE WITH THE TERMS AND REQUIREMENTS OF THE CONTRACT BETWEEN MANUFACTURER AND ITS CUSTOMER ARE NOT BINDING ON MANUFACTURER UNLESS SUBSEQUENTLY SPECIFICALLY ACKNOWLEDGED AND AGREED TO IN WRITING BY CHANGE ORDER OR SEPARATE DOCUMENTATION. MANUFACTURER RECOGNIZES THAT RUBBER STAMPS ARE ROUTINELY USED FOR INDICATING APPROVAL, DISAPPROVAL, REJECTION, OR MERE REVIEW OF THE DRAWINGS SUBMITTED. HOWEVER, MANUFACTURER DOES NOT ACCEPT CHANGES OR ADDITIONS TO CONTRACTUAL TERMS AND CONDITIONS THAT MAY APPEAR WITH USE OF A STAMP OR SIMILAR INDICATION OF APPROVAL, DISAPPROVAL, ETC. SUCH LANGUAGE APPLIED TO MANUFACTURER'S DRAWINGS BY THE CUSTOMER, ARCHITECT, ENGINEER, OR ANY OTHER PARTY WILL BE CONSIDERED AS UNACCEPTABLE ALTERATIONS TO THESE DRAWING NOTES, AND WILL NOT ALTER THE CONTRACTUAL RIGHTS AND OBLIGATIONS EXISTING BETWEEN MANUFACTURER AND ITS CUSTOMER.

SAFETY COMMITMENT

- A) 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.
- B) IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE.
- C) LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKER SAFETY.
- D) MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING. EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES.
- E) 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.

ERECTOR / CONTRACTOR RESPONSIBILITIES

- A) IT IS THE RESPONSIBILITY OF THE ERECTOR/CONTRACTOR TO INSURE THAT ALL PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT.
- B) THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED.
- C) APPROVAL OF THE MANUFACTURER'S DRAWINGS AND CALCULATIONS INDICATE THAT THE BUILDING MANUFACTURER CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS. (SECT. 4.4.1 AISC CODE OF STANDARD PRACTICES, 13TH ED.)
- D) WHERE DISCREPANCIES EXIST BETWEEN THE MANUFACTURER'S STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3 AISC CODE OF STANDARD PRACTICE 13TH ED.)
- E) DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY THE BUILDING MANUFACTURER ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN THE BUILDING MANUFACTURER'S ENGINEERS UNLESS SPECIFICALLY INDICATED.
- F) THE ERECTOR/CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK IN COMPLIANCE WITH THE BUILDING MANUFACTURER'S "FOR CONSTRUCTION" DRAWINGS.
- G) PRODUCTS SHIPPED TO ERECTOR/CONTRACTOR OR HIS CUSTOMER SHALL BE INSPECTED BY ERECTOR/CONTRACTOR IMMEDIATELY UPON ARRIVAL. CLAIMS FOR SHORTAGES OR DEFECTIVE MATERIAL IF NOT PACKAGED MUST BE SENT TO THE MANUFACTURER IN WRITING WITHIN FIVE (5) DAYS AFTER RECEIPT OF THE SHIPMENT. HOWEVER, IF A DEFECT IS OF SUCH A NATURE THAT REASONABLE VISUAL INSPECTION WOULD FAIL TO DISCLOSE IT, THEN THE CLAIM MUST BE MADE WITHIN FIVE (5) DAYS AFTER THE ERECTOR/CONTRACTOR LEARNS OF THE DEFECT. THE MANUFACTURER WILL NOT BE LIABLE FOR ANY DEFECT UNLESS CLAIM IS MADE WITHIN ONE (1) YEAR AFTER DATE OF THE ORIGINAL SHIPMENT BY THE MANUFACTURER TO CONTRACTOR OR HIS CUSTOMER. THE MANUFACTURER WILL BE GIVEN A REASONABLE OPPORTUNITY TO INSPECT DEFECTIVE MATERIALS UPON RECEIPT OF CLAIM BY CONTRACTOR.
- IF A DEFECT IS OF SUCH NATURE THAT IT CAN BE REMEDIED BY A FIELD OPERATION AT THE JOB SITE WITHOUT THE NECESSITY OF RETURNING THE MATERIAL TO THE MANUFACTURER, THEN UPON WRITTEN AUTHORIZATION OF THE MANUFACTURER THE CONTRACTOR MAY REPAIR OR CAUSE THE MATERIAL TO BE REPAIRED AND THE MANUFACTURER WILL REIMBURSE THE CONTRACTOR FOR THE COST OF THE REPAIR IN ACCORDANCE WITH THE WRITTEN AUTHORIZATION.
- THE CORRECTION OF MINOR MISRITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS IN TO LINE, MODERATE AMOUNTS OF REAMING, CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORTAGES OF MATERIAL ARE A NORMAL PART OF ERECTION AND ARE NOT SUBJECT TO CLAIM.

H) ALL BRACING AS SHOWN AND PROVIDED BY THE MANUFACTURER FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE.

I) TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION WILL BE DETERMINED AND FURNISHED AND INSTALLED BY THE ERECTOR. THESE TEMPORARY SUPPORTS WILL SECURE THE STEEL FRAMING, OR ANY PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED, RESULTING FROM WIND, SEISMIC FORCES AND ERECTION OPERATIONS, BUT NOT THE LOADS RESULTING FROM THE PERFORMANCE OF WORK BY OR THE ACTS OF OTHERS, NOR SUCH UNPREDICTABLE LOADS AS THOSE DUE TO TORNADO, EXPLOSION OR COLLISION. (SECT. 7.10.3 AISC CODE OF STANDARD PRACTICE, 13TH ED.)

- J) METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR THE DESIGN, MATERIAL AND WORKMANSHIP OF FOUNDATION. ANCHOR BOLT PLANS PREPARED BY MBM ARE INTENDED TO SHOW ONLY LOCATION, DIAMETER AND PROJECTION OF THE ANCHOR RODS REQUIRED TO ATTACH THE METAL BUILDING SYSTEM TO FOUNDATION. IT IS RESPONSIBILITY OF THE END CUSTOMER TO ENSURE THAT ADEQUATE PROVISIONS ARE MADE FOR SPECIFYING ROD EMBEDMENT, BEARING VALUES, TIE RODS AND OTHER ASSOCIATED ITEMS EMBEDDED IN THE CONCRETE FOUNDATION, AS WELL AS FOUNDATION DESIGN FOR THE LOADS IMPOSED BY MB SYSTEM, OTHER IMPOSED LOAD, AND THE BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE (MBMA 06 SECTIONS 3.2.2 AND A3)
- K) METAL BUILDING MANUFACTURER DOES NOT PROVIDE ANY FIELD SUPERVISION FOR THE ERECTION, NOR DOES MBM PERFORM ANY INSPECTIONS DURING OR AFTER ERECTION.

COMPONENTS & CLADDING (unfactored)

Wall Field Values = 23.689 psf / -25.663 psf
Wall Edge Values = 23.689 psf / -31.526 psf

RENEGADE

STEEL BUILDINGS, INC.

DRAWING INDEX

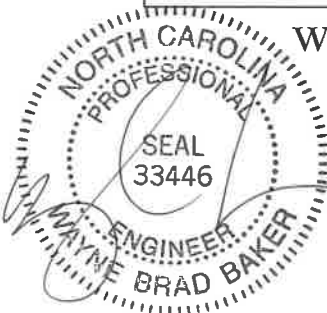
REV.	PAGE	DESCRIPTION
	0	COVER PAGE
	1	ANCHOR BOLT LAYOUT
	1.1	ANCHOR BOLT DETAILS
	1.2	ANCHOR BOLT REACTIONS
	2	ROOF FRAMING LAYOUT
	2.1-2.2	RIGID FRAME CROSS SECTION
	3	SIDEWALL FRAMING LAYOUT
	4	ENDWALL FRAMING LAYOUT
	5-5.4	FRAMING DETAILS
	6	ROOF PANELS & TRIM
	6.1	ROOF PANEL DETAILS
	7	SIDEWALL PANELS & TRIM
	7.1	SIDEWALL PANEL DETAILS
	8	ENDWALL PANELS & TRIM
	8.1	ENDWALL PANEL DETAILS
	9	SPECIAL DETAILS

BUILDING CODE SPECIFICATIONS REQUIRE CONSIDERATION OF SNOW SURCHARGES FOR ANY LOWER ROOF OF A STRUCTURE LOCATED WITHIN 20ft. OF A HIGHER STRUCTURE. INFORMATION SUPPLIED TO THE METAL BUILDING SUPPLIER DOES NOT INDICATE PRESENCE OF A SHADOWING STRUCTURE WITHIN THIS 20ft. ENVELOPE, AND AS SUCH, SNOW SURCHARGES HAVE NOT BEEN CONSIDERED IN THE DESIGN OF THE BUILDING(S) SHOWN ON THESE PLANS.

THIS PROJECT IS DESIGNED AS AN ENCLOSED BUILDING. ACCESSORIES (DOORS, WINDOWS, ETC.) BY OTHERS MUST BE DESIGNED AS "COMPONENTS AND CLADDING" IN ACCORDANCE TO SPECIFIC WIND PROVISIONS OF REFERENCED BUILDING CODE.

FOR OCCUPANCY (RISK) CATEGORY I OR II, IBC PROVISIONS INDICATE THAT SINGLE-STORY BUILDINGS SHALL HAVE "NO DRIFT LIMIT" PROVIDED THAT INTERIOR WALLS, PARTITIONS, CEILINGS AND EXTERIOR WALL SYSTEMS HAVE BEEN DESIGNED TO ACCOMMODATE THE SEISMIC STORY DRIFTS. INTERIOR WALLS, PARTITIONS, CEILINGS OR EXTERIOR SYSTEMS NOT PROVIDED BY MBM SHALL BE DESIGNED AND DETAILED BY OTHERS TO ACCOMMODATE THE SEISMIC STORY DRIFTS.

0.5 PSF COLL ONLY ALLOW LIGHTING TO HANG FROM ROOF SYSTEMS. SUSPENSION OF ANY LOAD INDUCING SYSTEM IS EXPLICITLY PROHIBITED, UNLESS A CORRESPONDING REDUCTION IN CERTIFIED LIVE/SNOW LOADS CAN BE PERMITTED BY CODE.



Wayne Brad Baker, P.E.
235 Sanders Rd.
Hahira, GA 31632

2-3-23

COLORS:

ROOF:	GALVALUME
WALLS:	LIGHT STONE
GABLE:	BURNISHED SLATE
EAVE:	BURNISHED SLATE
CORNER:	LIGHT STONE
FRAMED OPENINGS:	LIGHT STONE
GUTTER:	BURNISHED SLATE
DOWNSPOUTS:	BURNISHED SLATE
BASE:	BURNISHED SLATE

DRAWING STATUS

FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.

FOR PERMIT: THESE DRAWINGS, BEING FOR PERMIT, ARE BY DEFINITION NOT FINAL IN THAT, AS A MINIMUM, PIECE MARKINGS ARE NOT IDENTIFIED. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.

FOR CONSTRUCTION: THESE DRAWINGS ARE FINAL AND ISSUED FOR FIELD USE FOR BUILDING ERECTION

DATE									
CHK									
DET									
ISSUE									

FOR:

JUNIOR FAIRCLOTH
1560 GEORGE PERRY LEE RD.
DUNN, NC 28334

JOBSITE: DUNN, NC 28334

FROM:

RENEGADE STEEL BUILDINGS, INC.
2151 HOMER RD.
COMMERCE, GA 30529

JOB NO : 7871

DATE : 1/31/23

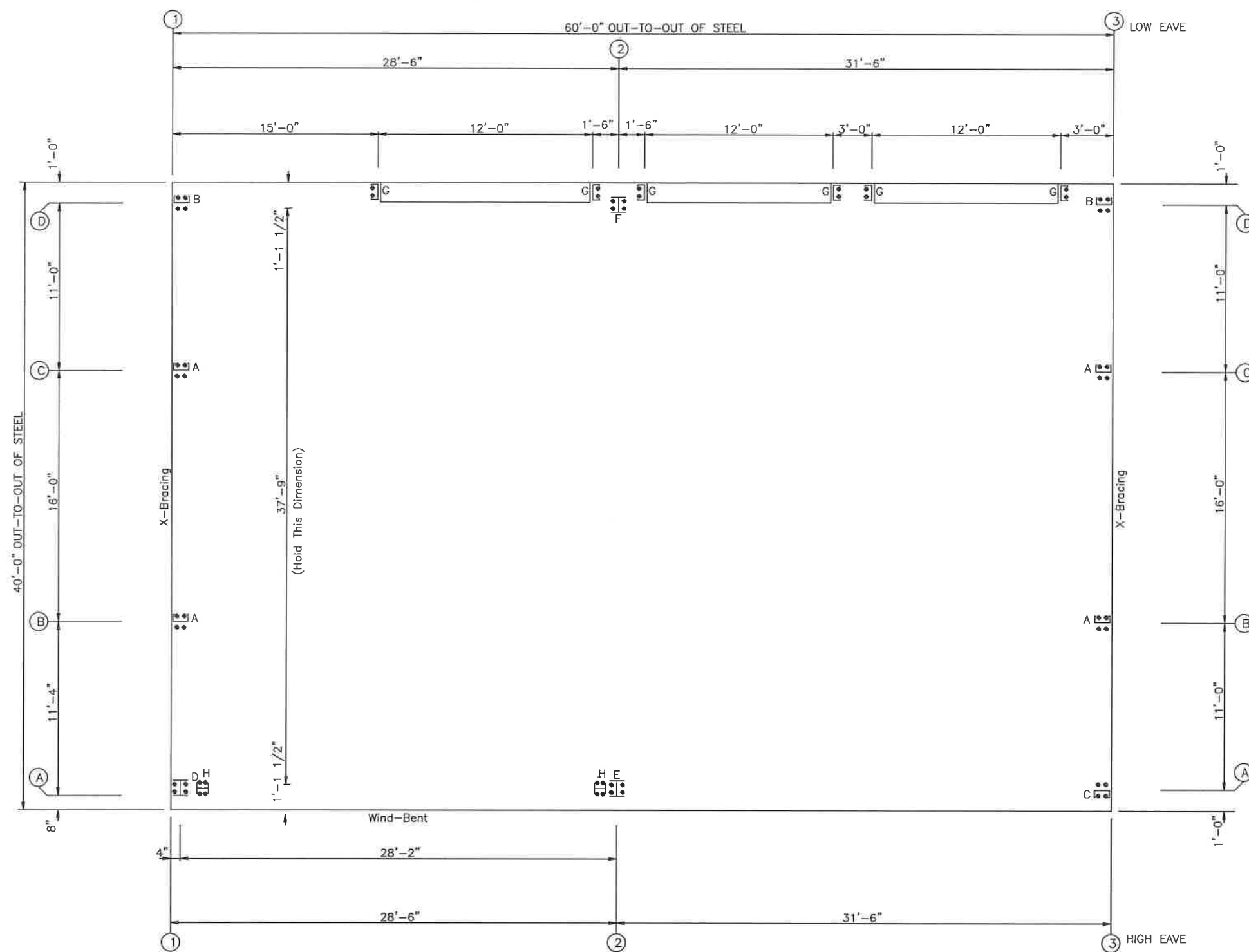
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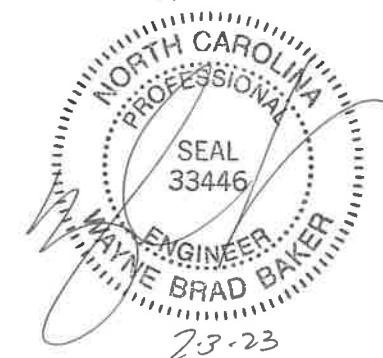
PAGE 0

⊙ Dia= 3/4"



ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (Unless Noted)

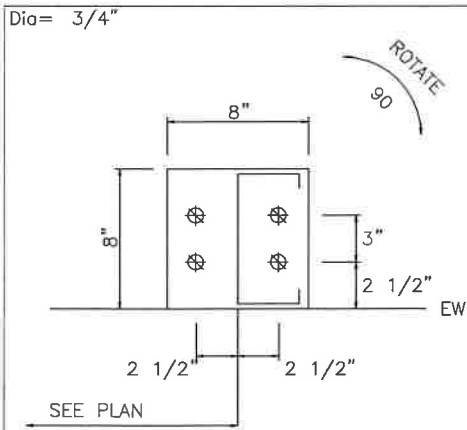
Wayne Brad Baker, P.E.
235 Sanders Rd.
Hahira, GA 31632



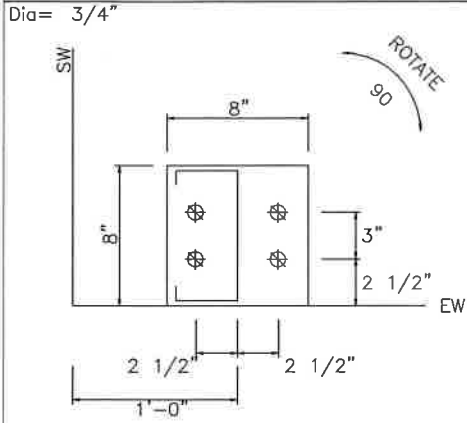
NOTE: ALL FIELD LOCATED FRAMED OPENING LOCATIONS SHALL BE AT THE DISCRETION OF THE ERECTOR/CUSTOMER. IT IS RECOMMENDED THAT THESE ANCHORS BE LOCATED AT TIME OF ERECTION.

FIELD LOCATE:
(2) 3070 WALKDOORS

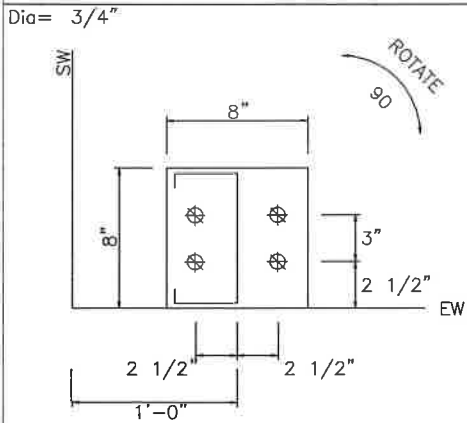
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CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: ANCHOR BOLT LAYOUT				
DRAWING NO: PAGE 1	DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NON	



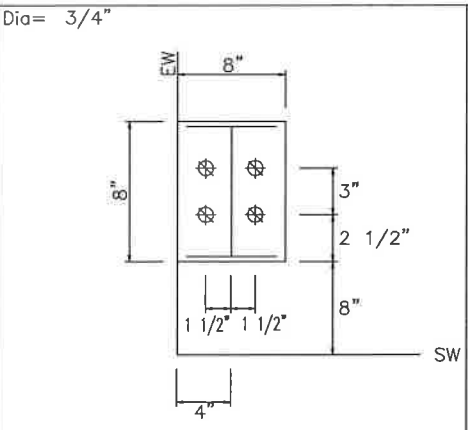
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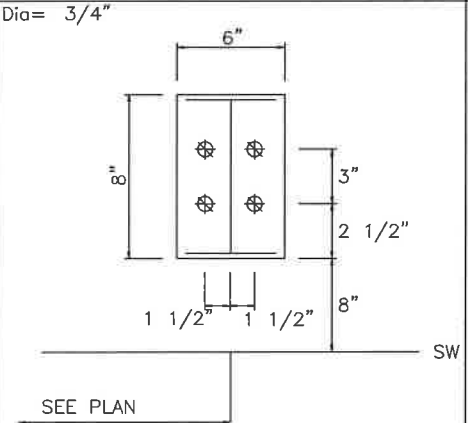
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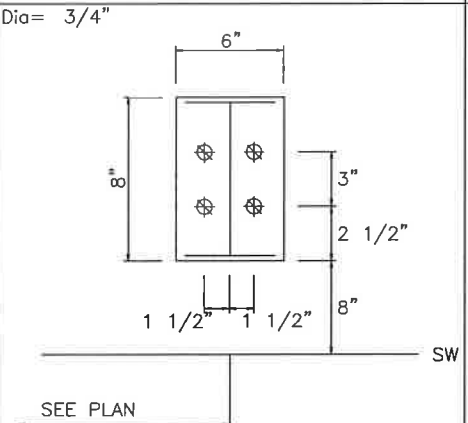
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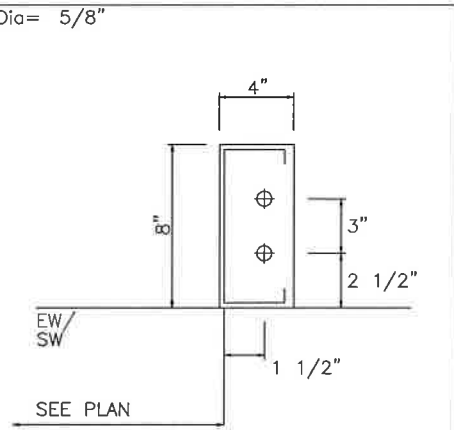
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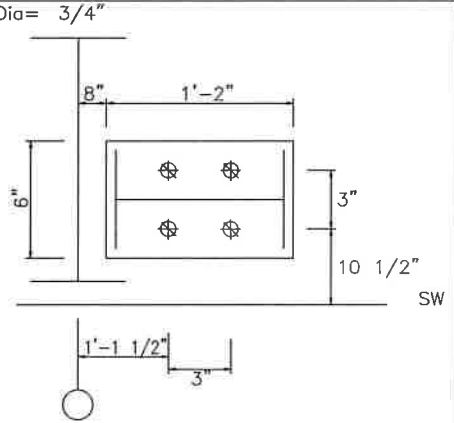
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DETAIL F

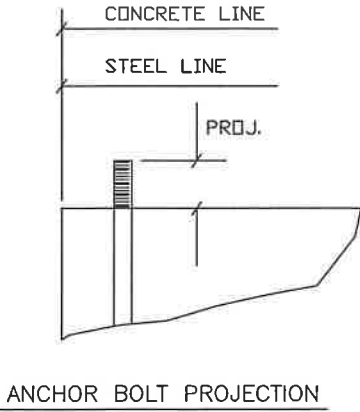
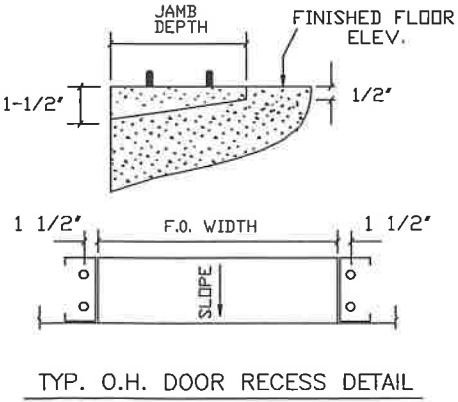
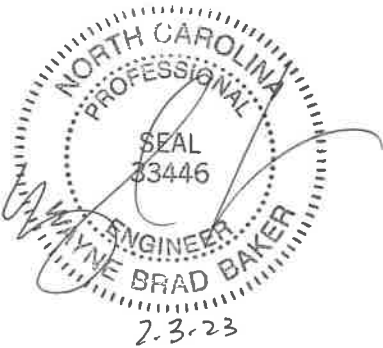


DETAIL G



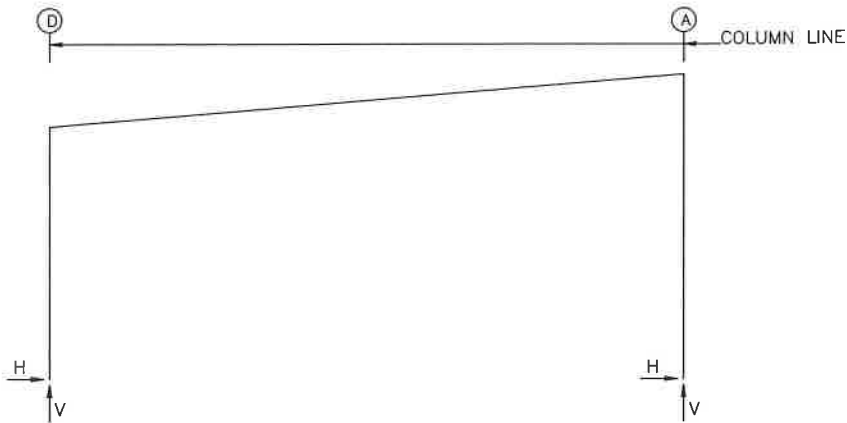
DETAIL H

Wayne Brad Baker, P.E.
235 Sanders Rd.
Hahira, GA 31632



ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER:		JUNIOR FAIRCLOTH		
JOB NO:		7871	DATE:	1/31/23
LOCATION:		DUNN, NC 28334		
DRAWING NAME:		ANCHOR BOLT DETAILS		
DRAWING NO:	PAGE 1.1	DRAWN BY:	CHECKED BY:	SCALE:
		DJH	SPW	NONE

FRAME LINES: 2



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Qty	Bolt Dia	Base_Plate (in)			Grout (in)
				Width	Length	Thick	
2	D	4	0.750	6.000	8.000	0.375	0.0
2	A	4	0.750	6.000	8.000	0.375	0.0

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Qty	Bolt Dia	Base_Plate (in)			Grout (in)
				Width	Length	Thick	
1	D	4	0.750	8.000	8.000	0.250	0.0
1	C	4	0.750	8.000	8.000	0.250	0.0
1	B	4	0.750	8.000	8.000	0.250	0.0
1	A	4	0.750	8.000	8.000	0.375	0.0
3	A	4	0.750	8.000	8.000	0.250	0.0
3	B	4	0.750	8.000	8.000	0.250	0.0
3	C	4	0.750	8.000	8.000	0.250	0.0
3	D	4	0.750	8.000	8.000	0.250	0.0

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	40.0
Length (ft)	=	60.0
Eave Height (ft)	=	16.0/ 19.3
Roof Slope (Rise/12)	=	1.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	0.5
Roof Live Load (psf)	=	20.0
Frame Live Load (psf)	=	12.0
Snow Load (psf)	=	7.0
Wind Speed (mph)	=	120.0
Wind Code	=	NCBC 18 (IBC 15)
Exposure	=	B
Enclosed/Open/Partial	=	ENCLOSED
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	C
Seismic Coeff (Fa*Gs)	=	0.29

BUILDING BRACING REACTIONS

Wall		Col Line	± Reactions(k)				Panel Shear (lb/ft)		Note
Loc	Line		Wind Horz	Seismic Vert	Wind Horz	Seismic Vert	Wind	Seis	
L_EW	1	C,B	5.2	5.6	0.7	0.7			(a)
F_SW	A	1,2							
R_EW	3	B,C	3.2	3.4	0.3	0.3			
B_SW	D	Torsional Bracing Used							

(a)Wind bent in bay

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
2	D	0.6	2.0	0.1	0.4	3.3	9.0	1.9	5.2	-9.6	-16.4	3.2	-6.2
2	A	-0.6	2.0	-0.1	0.4	-3.3	9.1	-1.9	5.3	-1.1	-12.3	8.0	-12.0

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
2	D	-10.3	-10.4	3.1	-0.2	-3.0	-15.7	2.8	-7.5	-0.3	-0.2	0.3	0.2
2	A	-0.3	-6.4	8.1	-6.0	-0.3	-12.9	0.9	-10.7	-0.2	0.2	0.2	-0.2

Frame Line	Column Line	Seismic_Long Horiz	Seismic_Long Vert	MIN_SNOW Horiz	MIN_SNOW Vert
2	D	-0.4	-0.3	2.7	7.5
2	A	-0.3	0.3	-2.7	7.6

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horiz	Wind Suct Horiz	Wind Long1 Vert	Wind Long2 Vert
1	D	0.2	0.0	1.3	0.5	-1.4	-1.0	-0.8	-0.4	-0.9	1.0	-1.7	-1.1
1	C	0.6	0.1	4.4	1.6	-5.1	-2.8	-3.4	-1.1	-2.1	2.3	-5.1	-3.1
1	B	0.6	0.1	4.4	1.6	-5.3	-3.1	-3.6	-1.3	-2.2	2.5	-5.1	-3.1
1	A	0.4	0.0	1.4	0.5	-1.4	-1.0	-1.0	-0.6	-2.5	2.8	-1.4	-0.8

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	Seis Long Vert	MIN_SNOW Horiz	E1PAT_SL_1 Horiz	E1PAT_SL_1 Vert	E1PAT_SL_2 Horiz	E1PAT_SL_2 Vert	E1PAT_SL_3 Horiz	E1PAT_SL_3 Vert	E1PAT_SL_4 Horiz	E1PAT_SL_4 Vert
1	D	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.2	0.0	-0.1
1	C	0.0	0.0	0.0	0.0	2.2	0.0	0.3	0.0	0.0	0.8	0.0	0.4
1	B	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.3	0.0	0.4	0.0	0.8
1	A	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.3	0.0	-0.1	0.0	0.2

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horiz	Wind Suct Horiz	Wind Long1 Vert	Wind Long2 Vert
3	A	0.2	0.0	1.5	0.5	-1.1	-1.5	-0.6	-1.1	-1.1	1.3	-1.5	-0.8
3	B	0.7	0.1	4.9	1.7	-3.3	-5.8	-1.4	-3.9	-2.2	2.5	-5.6	-3.3
3	C	0.7	0.1	4.9	1.7	-3.1	-5.6	-1.2	-3.7	-2.1	2.3	-5.6	-3.3
3	D	0.2	0.0	1.5	0.5	-1.1	-1.6	-0.5	-0.9	-0.9	1.0	-1.8	-1.1

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	MIN_SNOW Horiz	E2PAT_SL_1 Horiz	E2PAT_SL_2 Horiz	E2PAT_SL_2 Vert	E2PAT_SL_3 Horiz	E2PAT_SL_3 Vert	E2PAT_SL_4 Horiz	E2PAT_SL_4 Vert
3	A	0.0	0.0	0.0	0.7	0.0	0.3	0.0	0.3	0.0	-0.1
3	B	0.0	0.0	0.0	2.4	0.0	0.4	0.0	0.9	0.0	0.5
3	C	0.0	0.0	0.0	2.4	0.0	0.0	0.4	0.5	0.0	0.9
3	D	0.0	0.0	0.0	0.7	0.0	0.0	0.3	-0.1	0.0	0.2

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Projection (in)
⊕ 12	Jamb	5/8"	A307	1.50
⊕ 32	Endwall	3/4"	GR36	1.50
⊕ 8	Frame	3/4"	GR36	2.50
⊕ 8	WindCol	3/4"	GR36	2.50

NOTE: THE FRAMING AT BOTH ENDWALLS IS NOT DESIGNED TO ACCOMMODATE FUTURE ADDITIONS. REACTIONS CORRESPONDING TO THESE FRAME LINES REFLECT LOADINGS FOR ACTUAL TRIBUTARY AREA AND ARE NOT INTENDED TO INCLUDE ANY FUTURE MODIFICATIONS UNLESS NOTED OTHERWISE.

1

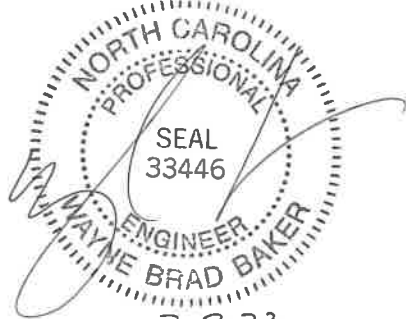
GENERAL NOTES

- FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF METAL BUILDING MANUFACTURER.
- ALL REACTIONS ARE UNFACTORED.
- ULTIMATE WIND LOADS ARE USED TO DERIVE THE WIND REACTION.
- ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION.
- COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED A BEARING PRESSURE OF 1050 POUNDS PER SQUARE INCH.

WIND BENT REACTIONS

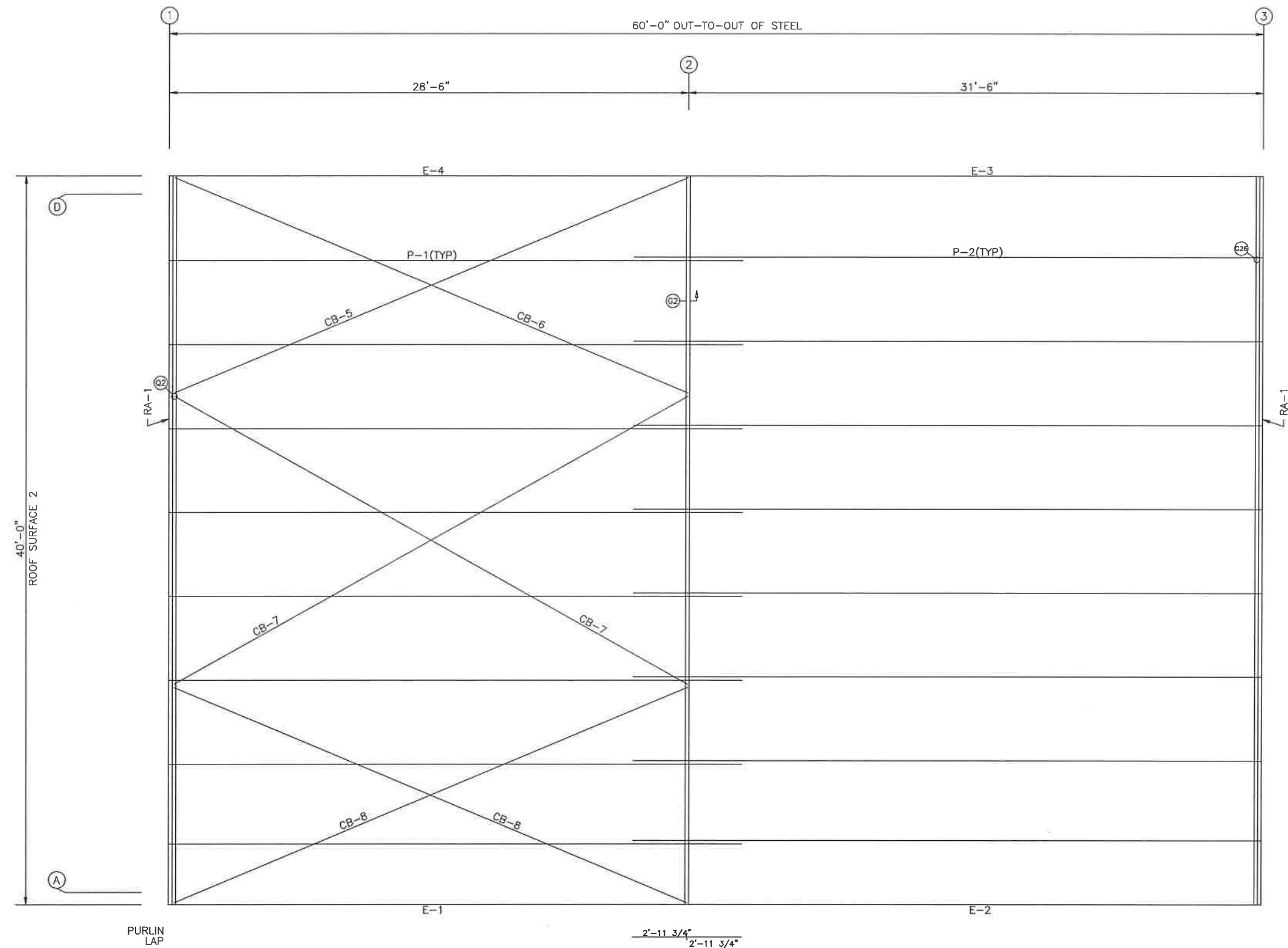
Wall		Col	± Reactions				Bolt(in)		Base_Plate(in)		Thick
Loc	Line	Line	Wind Horiz	Seismic Horiz	Seismic Vert	Seismic Vert	Qty	Dia	Width	Length	
F_SW	A	1	2.9	4.0	0.5	0.6	4	0.750	6.000	14.000	0.375
F_SW	A	2	2.9	4.0	0.5	0.6	4	0.750	6.000	14.000	0.375

Wayne Brad Baker, P.E.
235 Sanders Rd.
Hahira, GA 31632



2.3.23

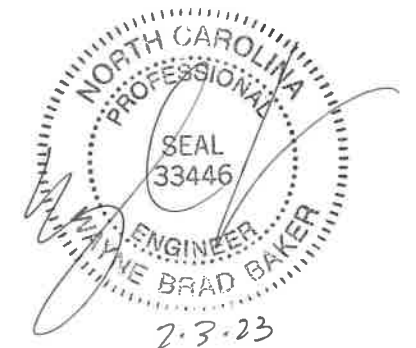
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RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871			DATE: 1/31/23	
LOCATION: DUNN, NC 28334				
DRAWING NAME: ANCHOR BOLT REACTIONS				
DRAWING NO: PAGE 1.2		DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE



ROOF FRAMING PLAN

MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
P-1	8x25Z12	31'-5 1/2"
P-2	8x25Z12	34'-5 1/2"
E-1	8HE14@1	28'-5 1/2"
E-2	8HE14@1	31'-5 1/2"
E-3	8LE12@1	31'-5 1/2"
E-4	8LE14@1	28'-5 1/2"
CB-5	1/4 CBL	30'-3"
CB-6	1/4 CBL	30'-11"
CB-7	1/4 CBL	32'-7"
CB-8	1/4 CBL	30'-6"

Wayne Brad Baker, P.E.
235 Sanders Rd.
Hahira, GA 31632



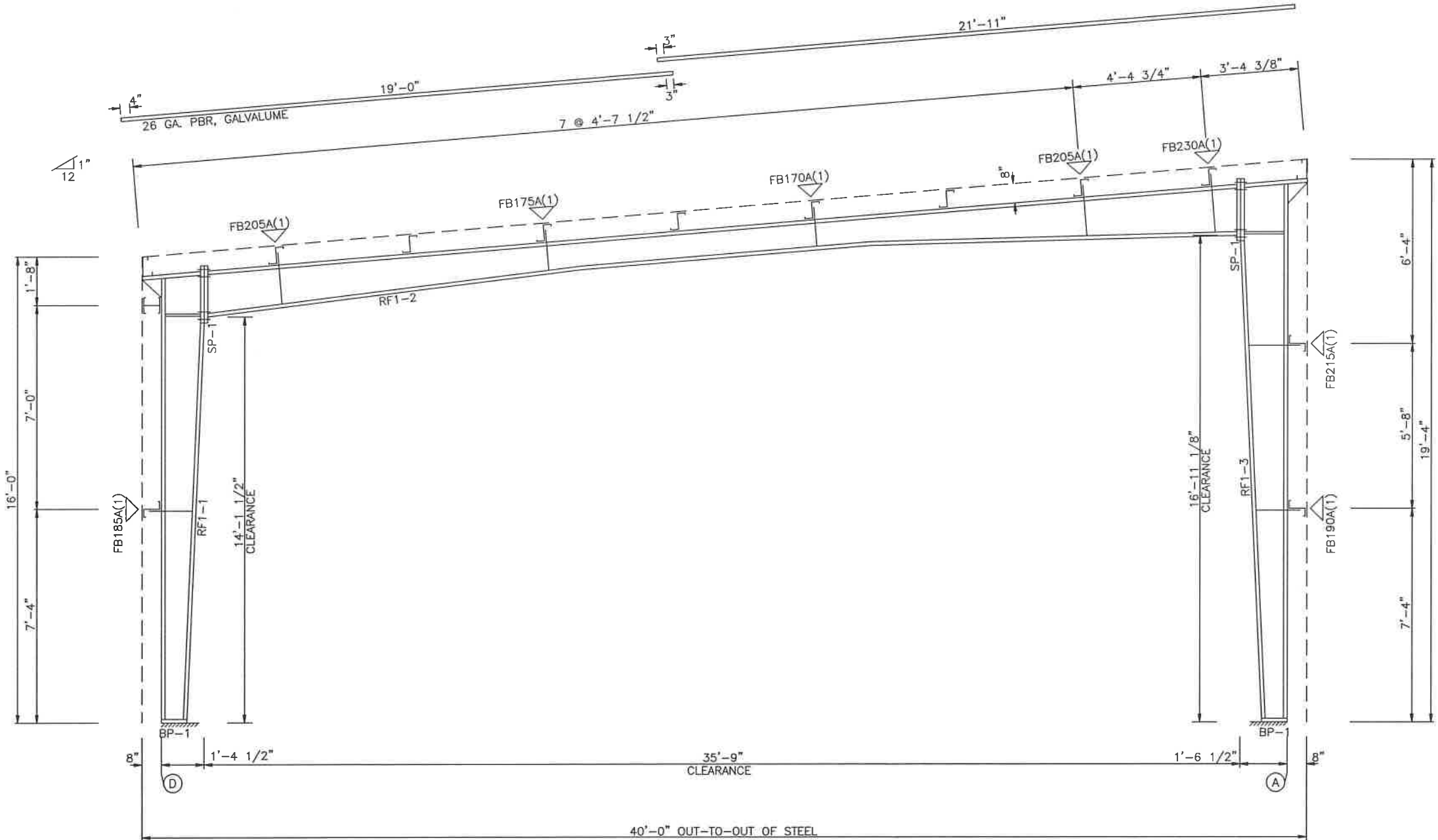
ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871			DATE: 1/31/23	
LOCATION: DUNN, NC 28334				
DRAWING NAME: ROOF FRAMING LAYOUT				
DRAWING NO: PAGE 2		DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE

SPlice Bolt Table						
MARK	Qty	Top	Bot	Int	TYPE	DIA Length
SP-1	4	4	0		A325	5/8" 2"

BASE PLATE TABLE			
COL	PLATE SIZE		
MARK	Width	THICK	Length
BP-1	6"	3/8"	8"

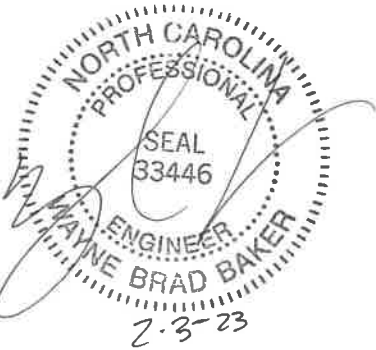
▽ FLANGE BRACES: (1) One Side; (2) Two Sides
FBxxA(1): xx=length(in)
A - L2x2x14

MEMBER TABLE		Web Depth	Web PLATE	Outside Flange	Inside Flange
MARK	Weight	Start/End	THICK Length	W x Thk x Length	W x Thk x Length
RF1-1	258	7.5/16.0	0.135 13'-9 3/8"	5 x 1/4" x 15'-4"	5 x 1/4" x 13'-9 9/16"
RF1-2	563	16.0/16.0	0.188 1'-8"	5 x 1/4" x 2'-0 5/16"	
		16.0/ 9.5	0.135 13'-0 11/16"	5 x 1/4" x 20'-0"	5 x 1/4" x 13'-0 13/16"
		9.5/ 9.5	0.135 10'-0"	5 x 1/4" x 15'-8 15/16"	5 x 1/4" x 10'-0"
RF1-3	316	9.5/18.0	0.135 12'-9 5/8"		5 x 1/4" x 12'-8 3/8"
		18.0/18.0	0.188 1'-11 9/16"	5 x 1/4" x 2'-2 5/16"	5 x 1/4" x 16'-7 5/16"
		18.0/ 8.8	0.135 14'-7 1/16"	5 x 1/4" x 18'-6 11/16"	
		8.8/ 7.5	0.135 2'-0"		



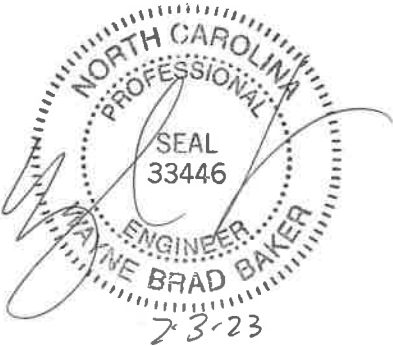
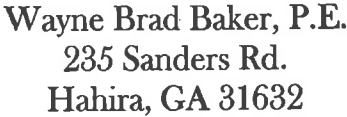
RIGID FRAME ELEVATION: FRAME LINE 2

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235 Sanders Rd.
Hahira, GA 31632



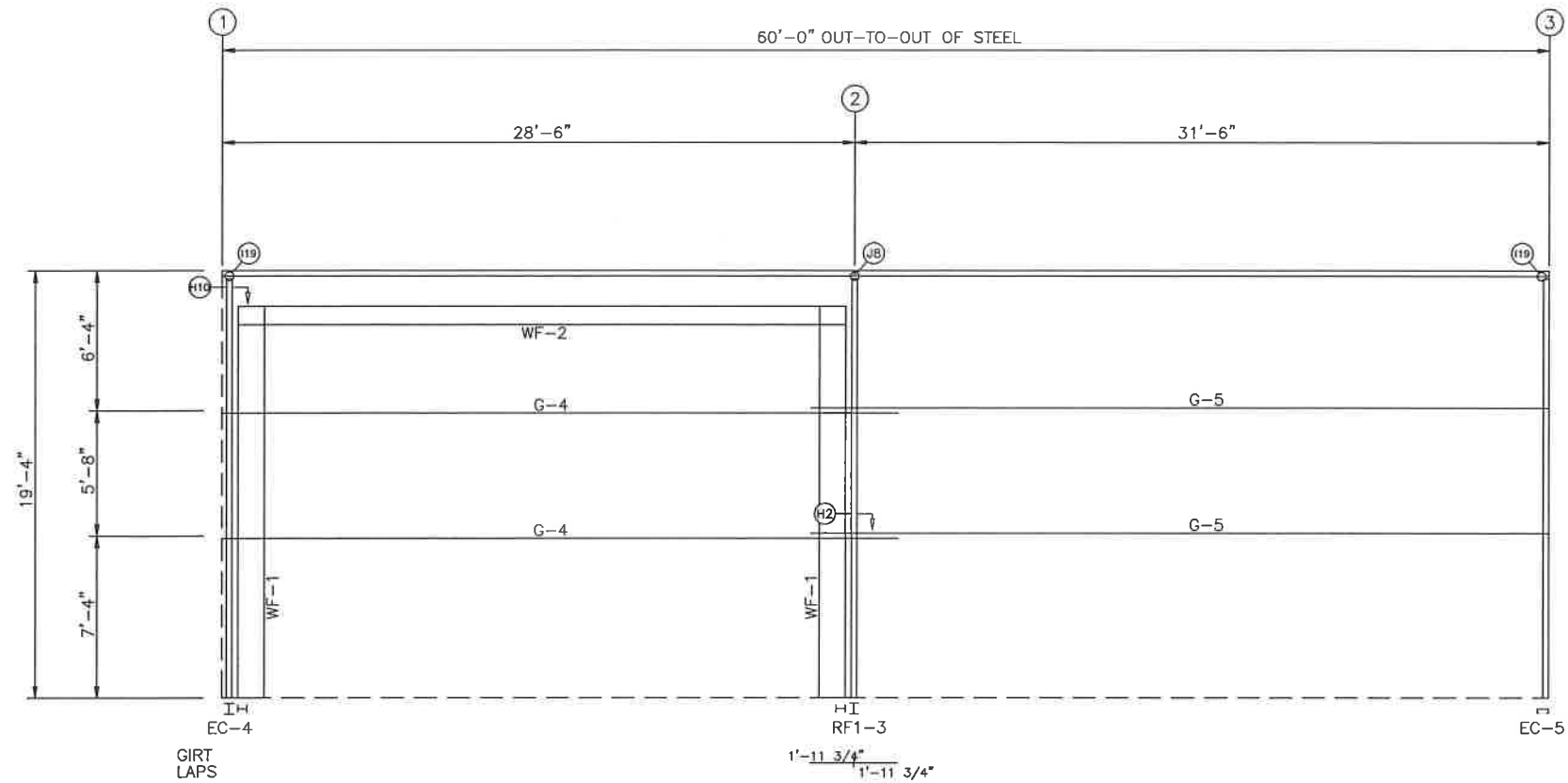
ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: RIGID FRAME CROSS SECTION				
DRAWING NO: PAGE 2.1	DRAWN BY: DJH		CHECKED BY: SPW	SCALE: NONE

MARK	MEMBER	LENGTH
WF-2	B10651	24'-5 1/4"
WF-1	B14641	18'-0"

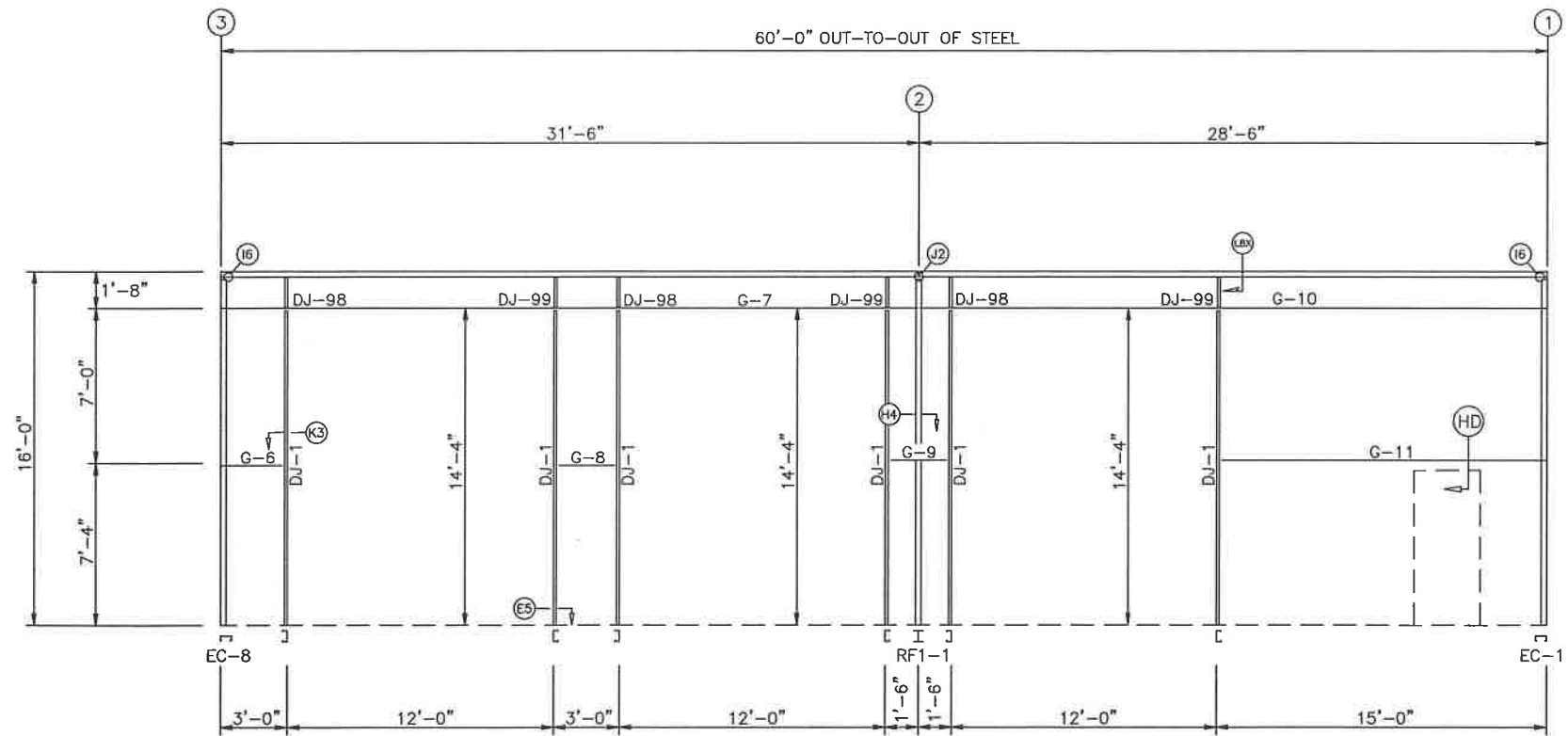


WIND BENT ELEVATION: FRAME LINE A

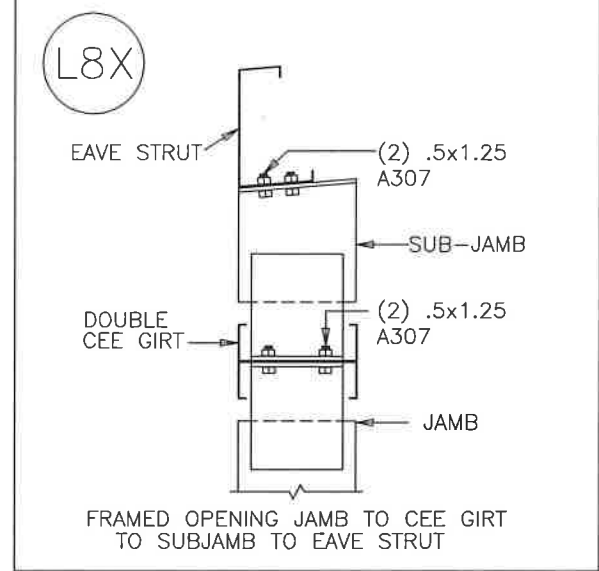
ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871			DATE: 1/31/23	
LOCATION: DUNN, NC 28334				
DRAWING NAME: RIGID FRAME CROSS SECTION				
DRAWING NO: PAGE 2.2		DRAWN BY: DJH		CHECKED BY: SPW
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SIDEWALL FRAMING: FRAME LINE A

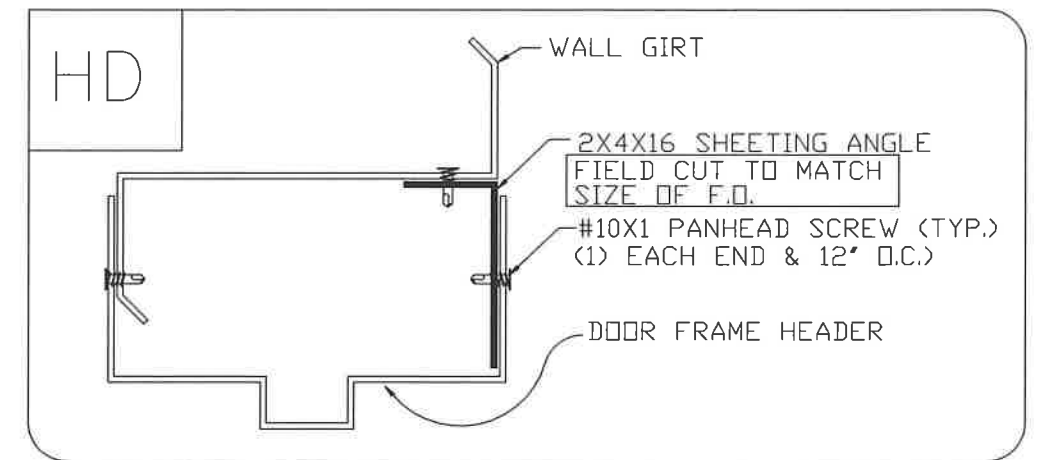


SIDEWALL FRAMING: FRAME LINE D

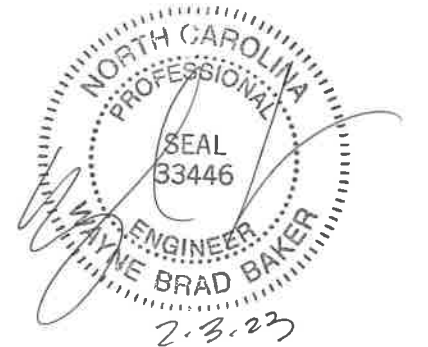


BOLT TABLE FRAME LINE A & D				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	5/8"	2"
WF-1 - EC-4	8	A325	5/8"	2"
WF-1 - RF1-3	8	A325	5/8"	2"

MEMBER TABLE FRAME LINE A & D		
MARK	PART	LENGTH
WF-1	B14641	18'-0"
WF-2	B10651	24'-5 1/4"
DJ-1	8X35C16	14'-4"
DJ-98	8X35C16	1'-0 1/2"
DJ-99	8X35C16	1'-0 1/2"
G-4	8x25Z12	30'-5 1/2"
G-5	8x25Z12	33'-5 1/2"
G-6	8x25Z16	2'-7 1/2"
G-7	8X8DC14	31'-5 1/2"
G-8	8x25Z16	2'-3 1/2"
G-9	8x25Z16	2'-3 1/2"
G-10	8X7DC14	28'-5 1/2"
G-11	8x25Z16	14'-7 1/2"



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235 Sanders Rd.
Hahira, GA 31632

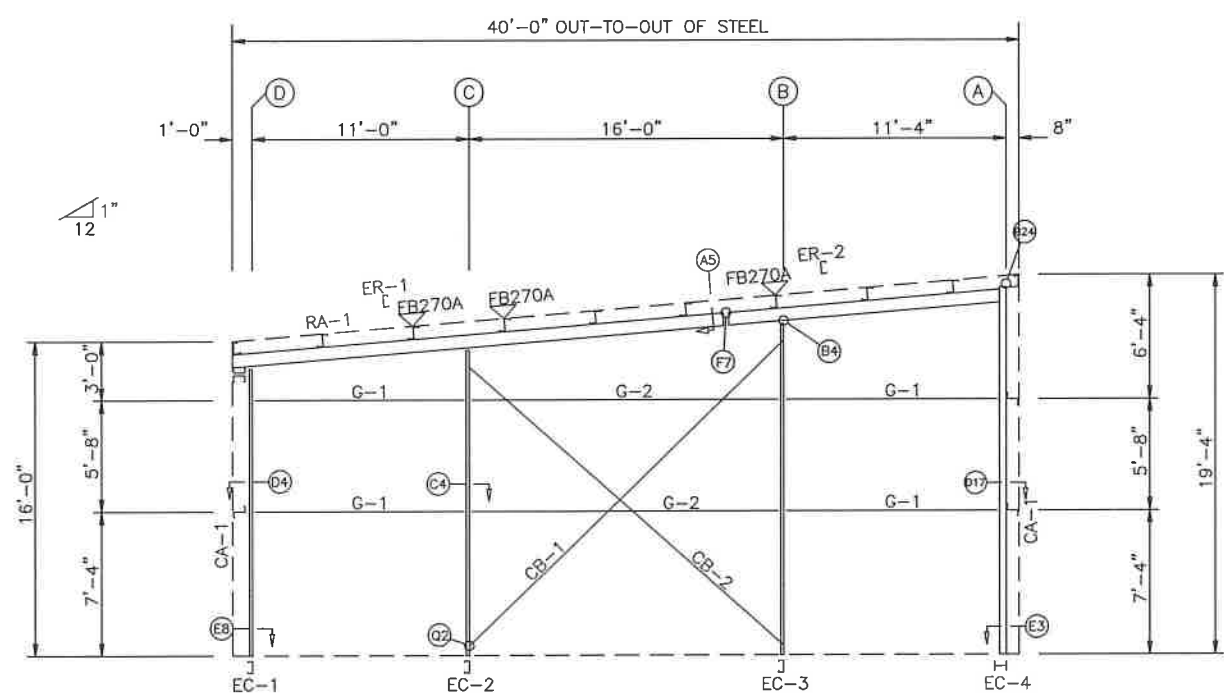


ALL VEHICULAR FRAMED OPENINGS SUPPLIED ON THIS PROJECT HAVE BEEN DESIGNED TO SUPPORT WIND LOADS NORMAL TO A DOOR SYSTEM, BASED ON THE STANDARD BUILDING CODE CRITERIA. THE VEHICULAR FRAMED OPENING HAS NOT BEEN DESIGNED FOR ANY ADDITIONAL MOMENT OR CATENARY FORCE FROM THE DOOR SYSTEM. ANY CHANGES TO THE INFORMATION SHOWN HERE WOULD REQUIRE AN ENGINEERING INVESTIGATION AND POSSIBLE BUILDING REINFORCEMENT.

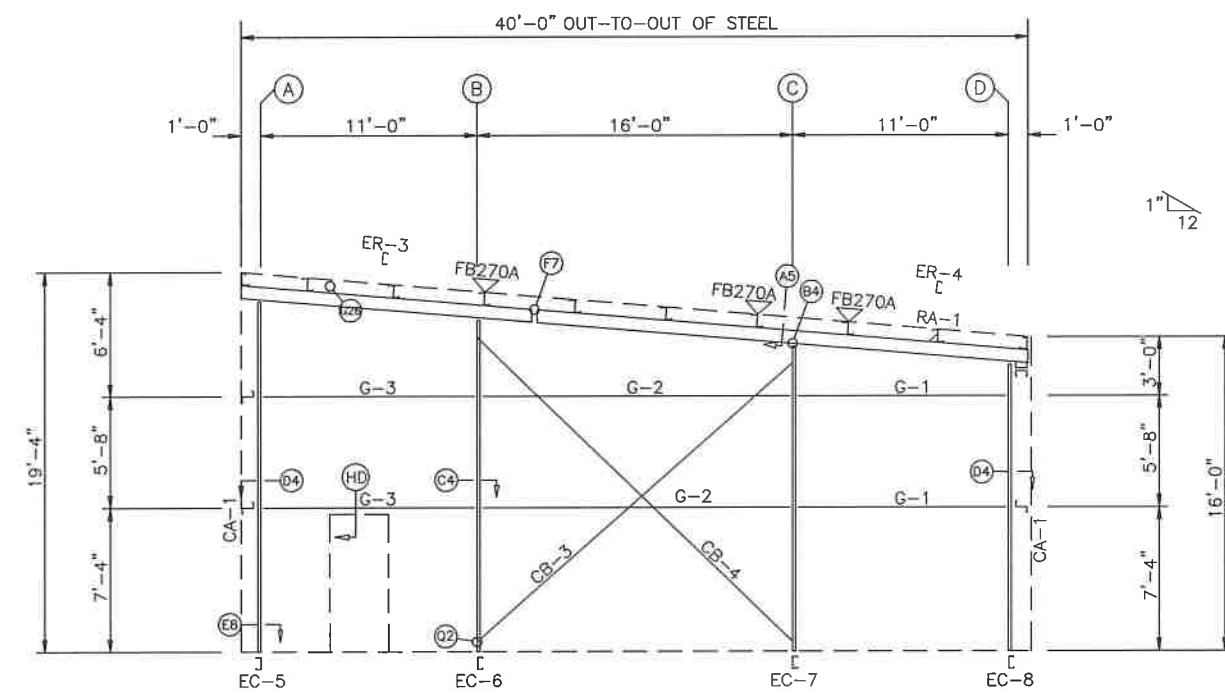
ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: SIDEWALL FRAMING LAYOUT				
DRAWING NO: PAGE 3		DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE

BOLT TABLE				
FRAME LINE 1 & 3				
LOCATION	QUAN	TYPE	DIA	LENGTH
EC-4/ER-2	4	A325	5/8"	2"
ER-1/ER-2	8	A325	5/8"	2"
ER-3/ER-4	8	A325	5/8"	2"
EC-1/ER-1	2	A325	5/8"	2"
Int_Column/Raf	2	A325	5/8"	2"
EC-5/ER-3	2	A325	5/8"	2"
EC-8/ER-4	2	A325	5/8"	2"

MEMBER TABLE		
FRAME LINE 1 & 3		
MARK	PART	LENGTH
EC-1	8X35C16	14'-6 15/16"
EC-2	8X35C12	15'-5 15/16"
EC-3	8X35C12	16'-9 15/16"
EC-4	B08541	18'-7 5/16"
EC-5	8X35C16	17'-8 15/16"
EC-6	8X35C12	16'-9 15/16"
EC-7	8X35C12	15'-5 15/16"
EC-8	8X35C16	14'-6 15/16"
ER-1	8X35C12	25'-1 9/16"
ER-2	8X35C12	13'-7 3/4"
ER-3	8X35C12	14'-11 9/16"
ER-4	8X35C12	25'-1 9/16"
G-1	8x25Z16	10'-7 1/2"
G-2	8x25Z16	15'-7 1/2"
G-3	8x25Z16	10'-11 1/2"
CB-1	5/16 CBL	23'-2"
CB-2	5/16 CBL	22'-3"
CB-3	1/4 CBL	22'-3"
CB-4	1/4 CBL	23'-2"



ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 3

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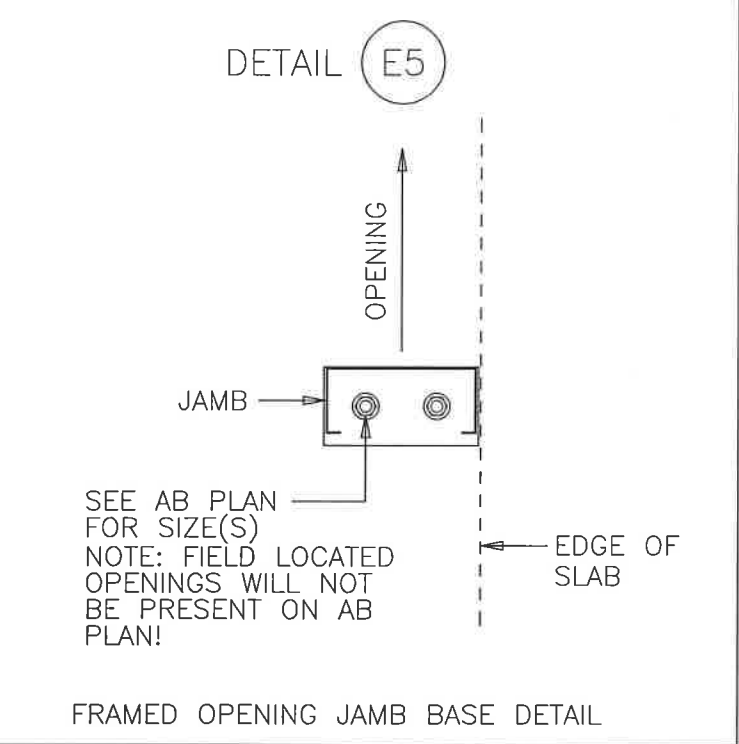
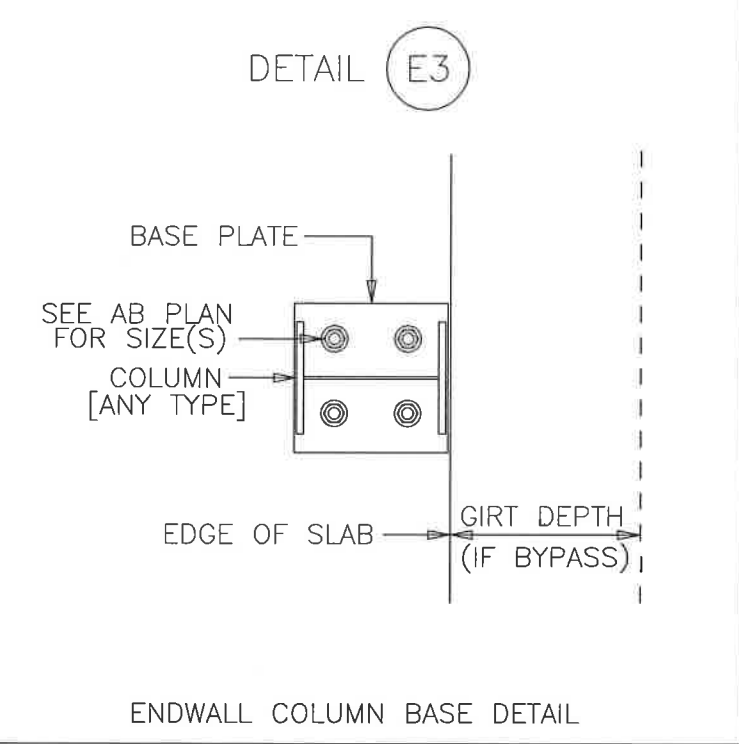
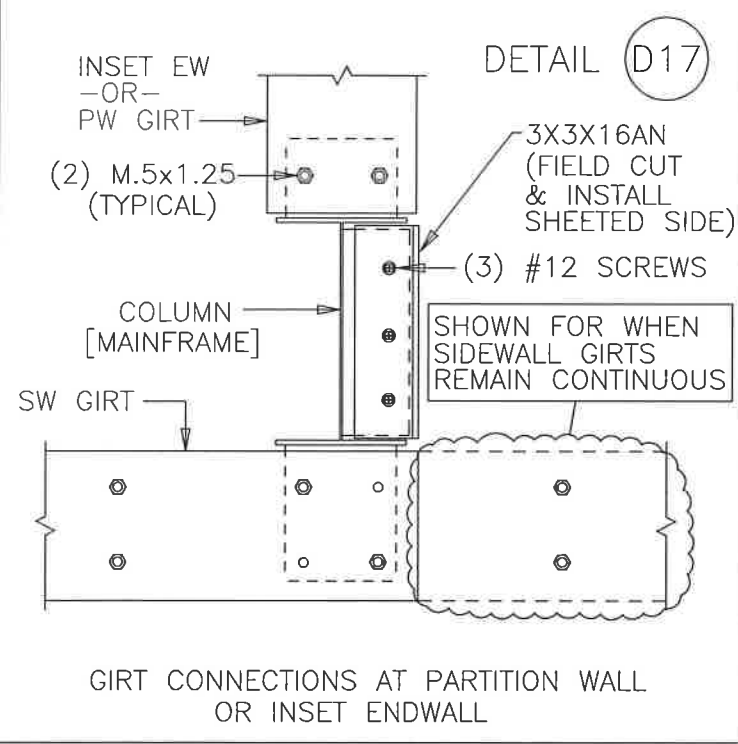
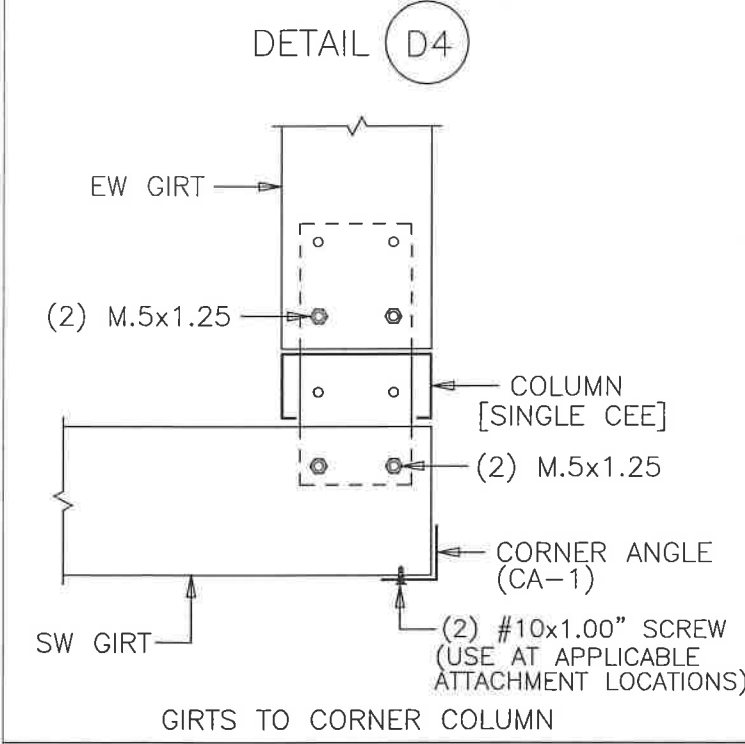
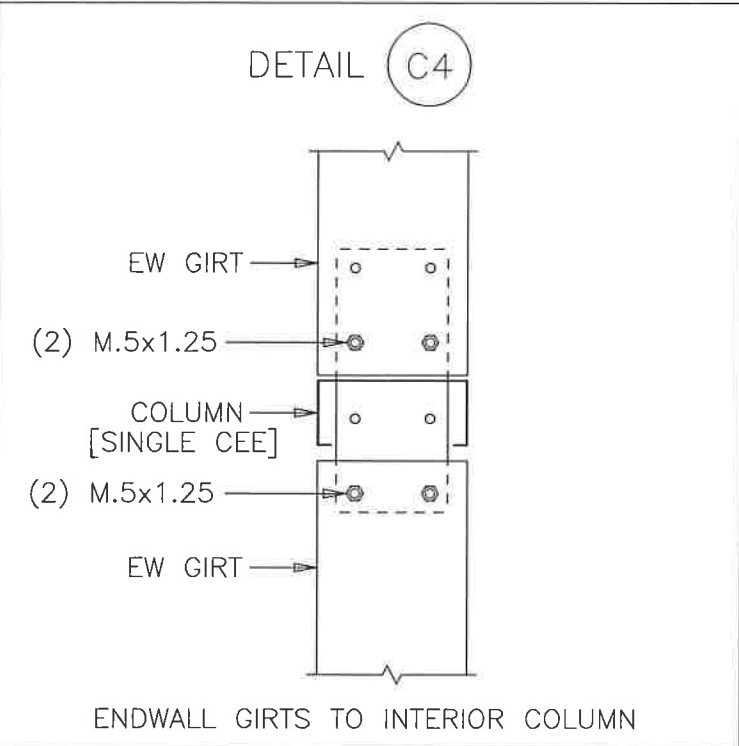
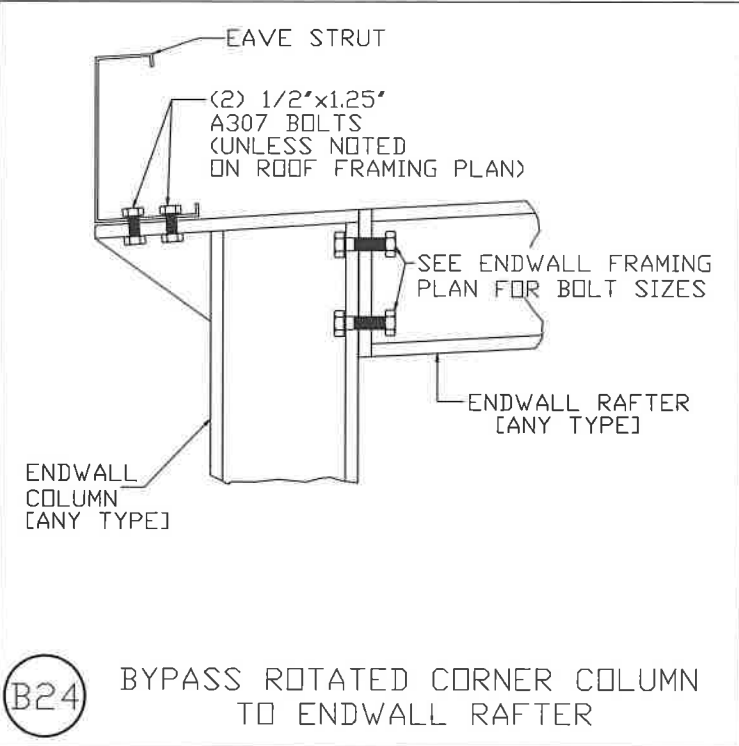
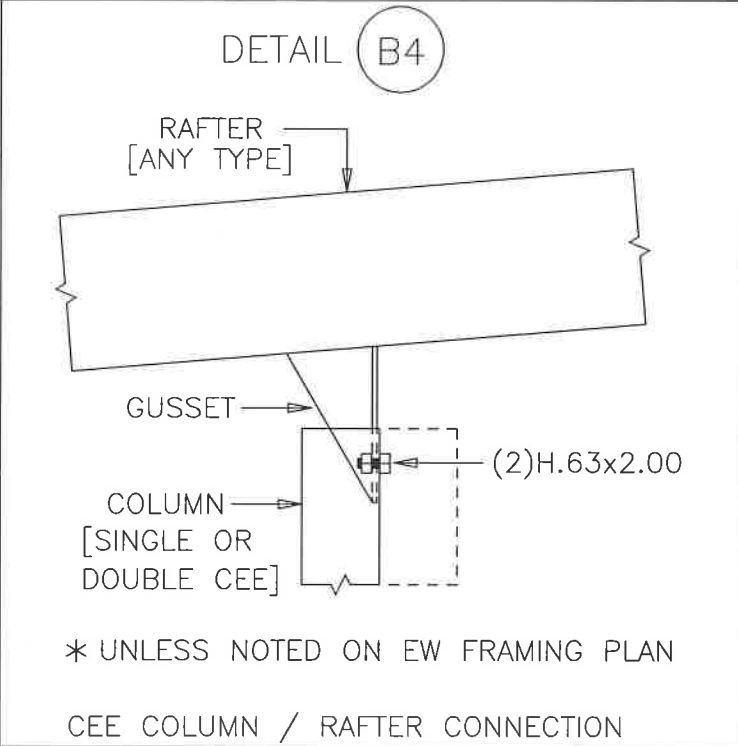
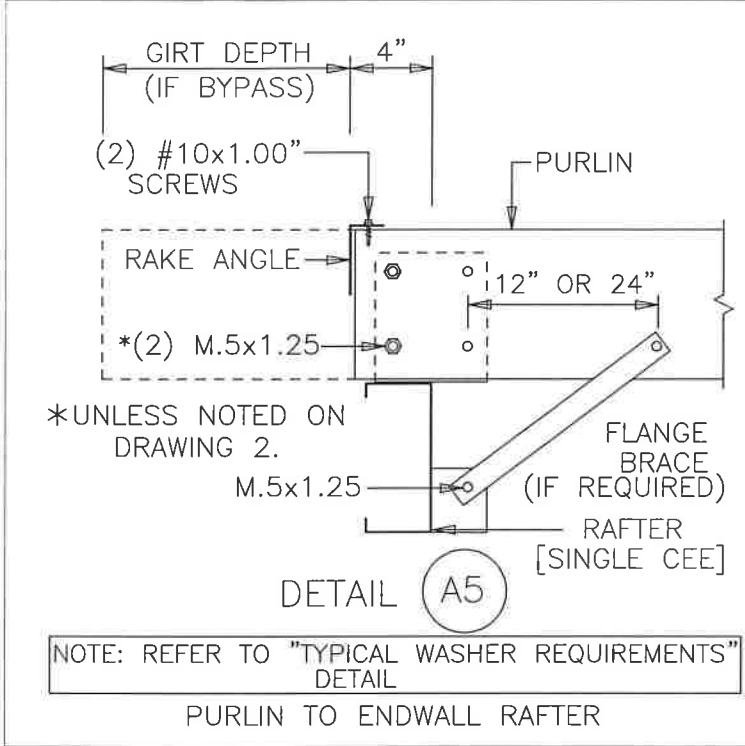


NOTE: FIELD SLOT GIRTS FOR CABLE PASSAGE

NOTE: THE FRAMING AS DEPICTED ABOVE IS NOT DESIGNED TO ACCOMMODATE ANY FUTURE EXPANSION.

ALL VEHICULAR FRAMED OPENINGS SUPPLIED ON THIS PROJECT HAVE BEEN DESIGNED TO SUPPORT WIND LOADS NORMAL TO A DOOR SYSTEM, BASED ON THE STANDARD BUILDING CODE CRITERIA. THE VEHICULAR FRAMED OPENING HAS NOT BEEN DESIGNED FOR ANY ADDITIONAL MOMENT OR CATENARY FORCE FROM THE DOOR SYSTEM. ANY CHANGES TO THE INFORMATION SHOWN HERE WOULD REQUIRE AN ENGINEERING INVESTIGATION AND POSSIBLE BUILDING REINFORCEMENT.

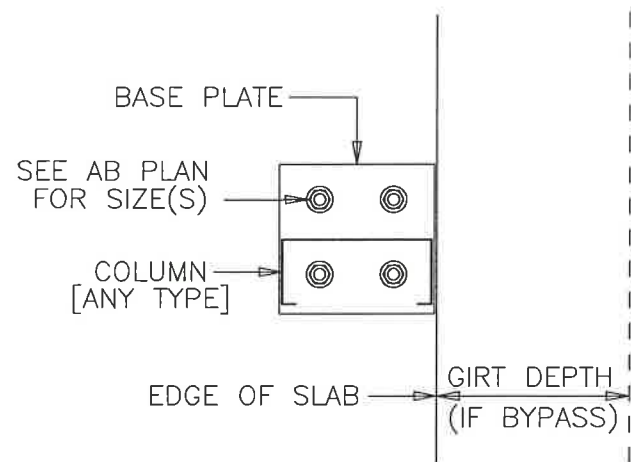
ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: ENDWALL FRAMING LAYOUT				
DRAWING NO: PAGE 4		DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE



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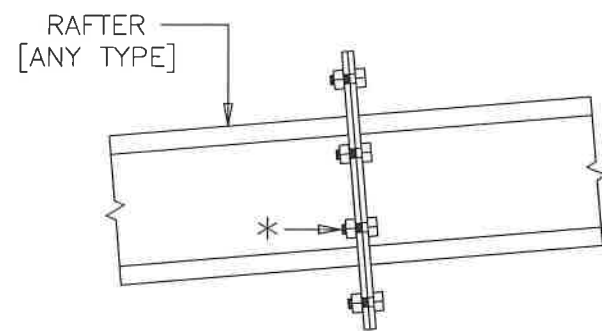
ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: FRAMING DETAILS				
DRAWING NO: PAGE 5	DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE	

DETAIL (E8)



ENDWALL COLUMN BASE DETAIL

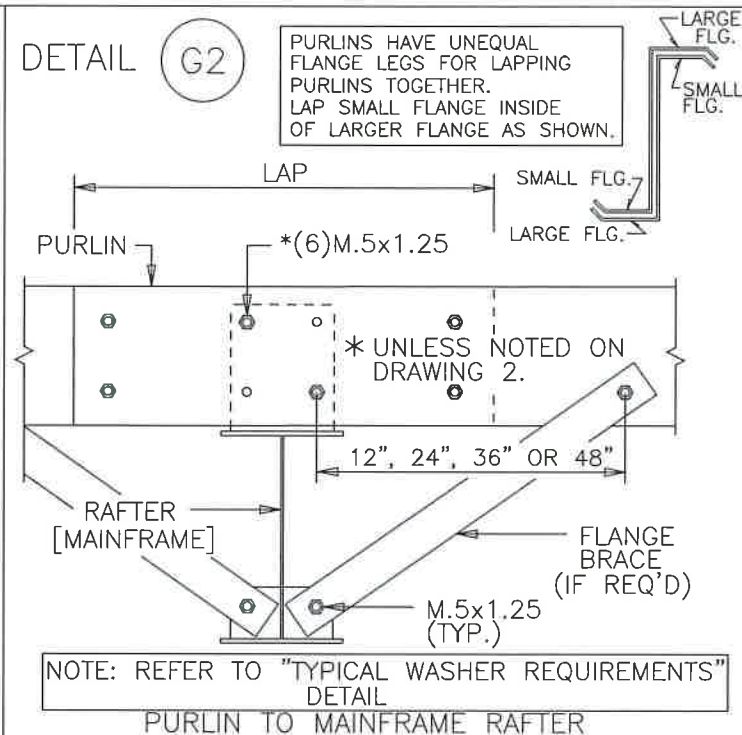
DETAIL (F7)



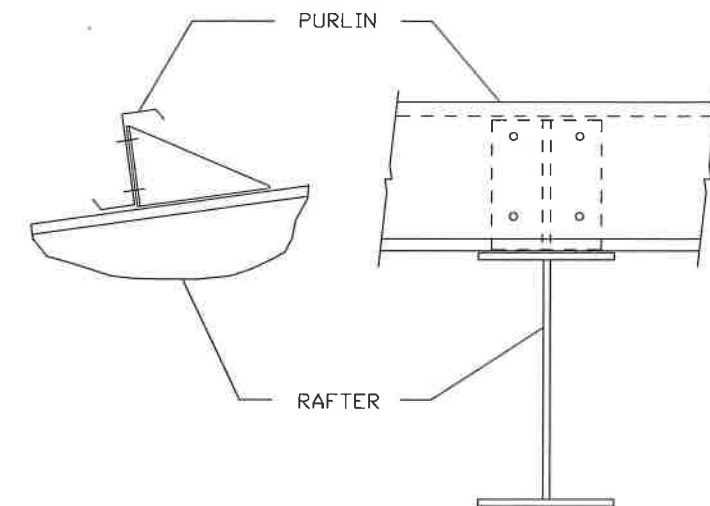
* SEE EW FRAMING PLAN FOR SIZE AND QUANTITY OF BOLTS.

RAFTER DETAIL AT SPLICE

DETAIL (G2)

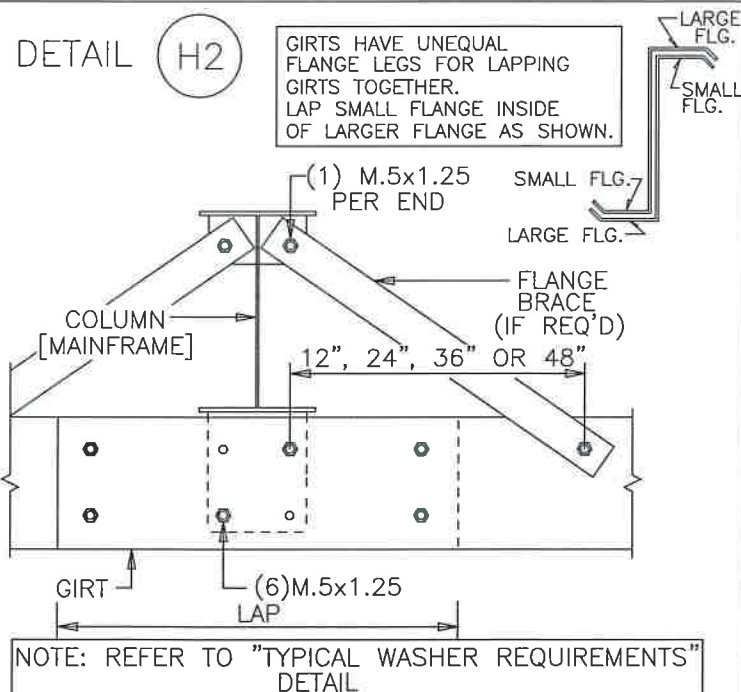


PURLIN TO MAINFRAME RAFTER



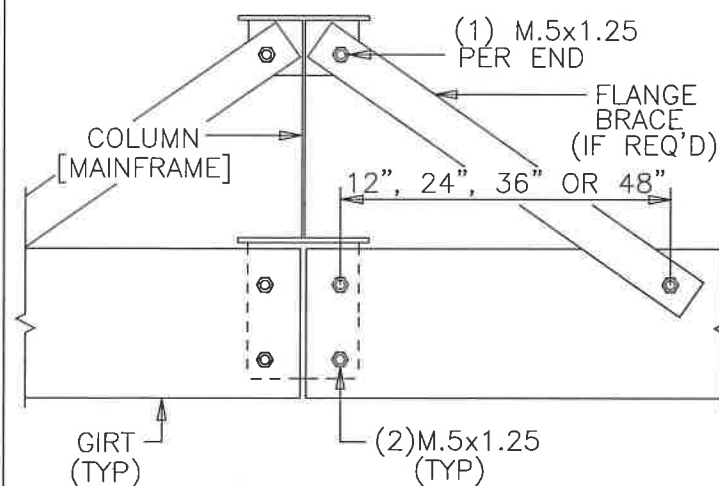
G26 WELDED ANTI-ROLL CLIP

DETAIL (H2)



GIRT TO MAINFRAME COLUMN

DETAIL (H4)

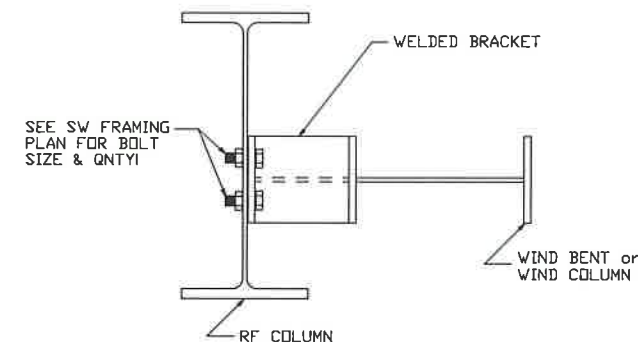


NOTE: REFER TO "TYPICAL WASHER REQUIREMENTS" DETAIL

GIRT TO MAINFRAME COLUMN

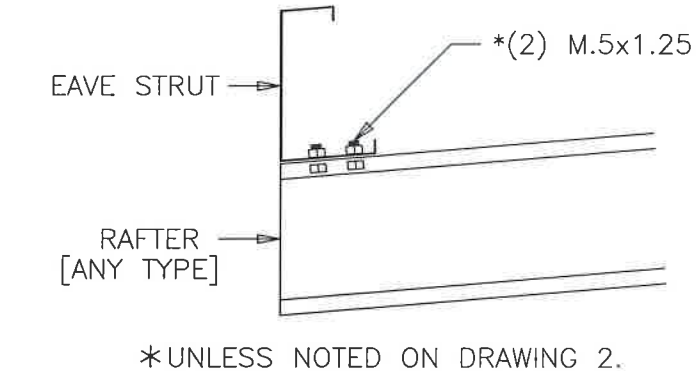
H10

WIND BENT OR WIND COLUMN TO BUILDING COLUMN



I6

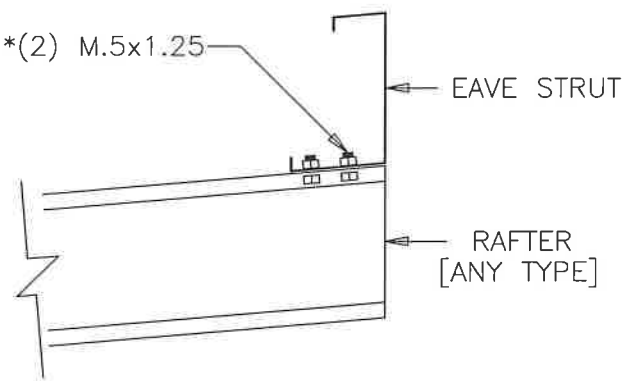
EAVE STRUT CONNECTION AT ENDWALL



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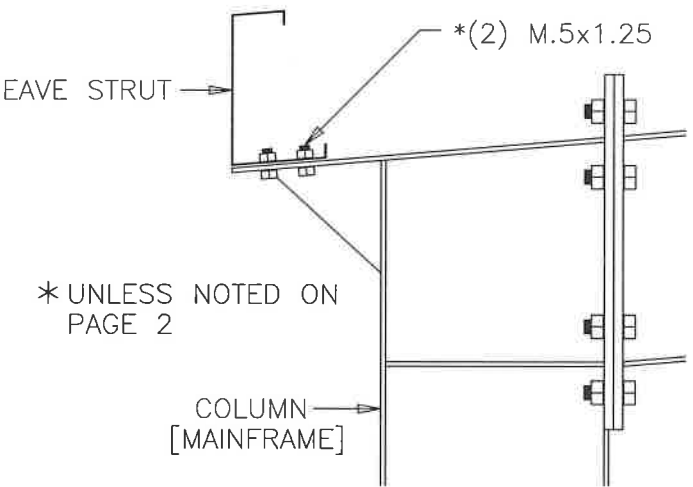
ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: FRAMING DETAILS				
DRAWING NO: PAGE 5.1	DRAWN BY: DJH		CHECKED BY: SPW	SCALE: NONE

DETAIL I19

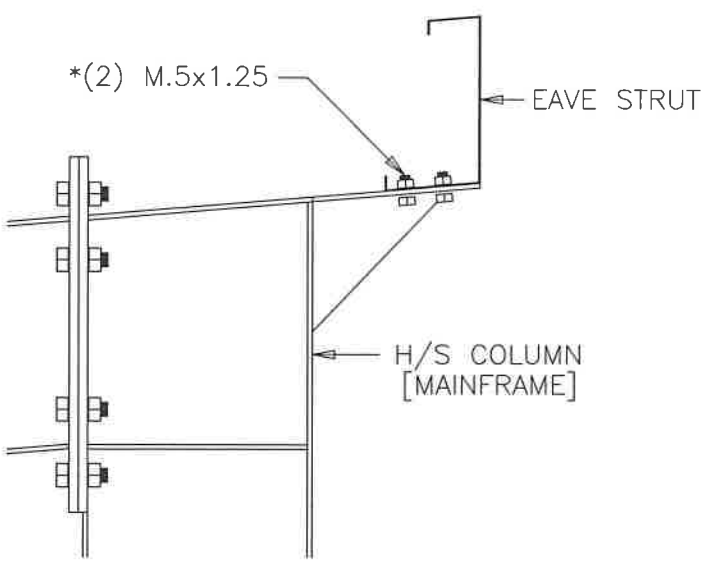


*UNLESS NOTED ON DRAWING 2.

EAVE STRUT CONNECTION AT ENDWALL

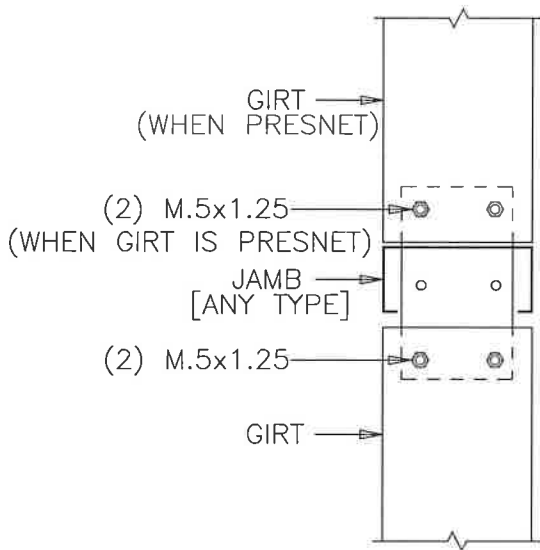


J2 EAVE STRUT CONNECTION AT MAINFRAME



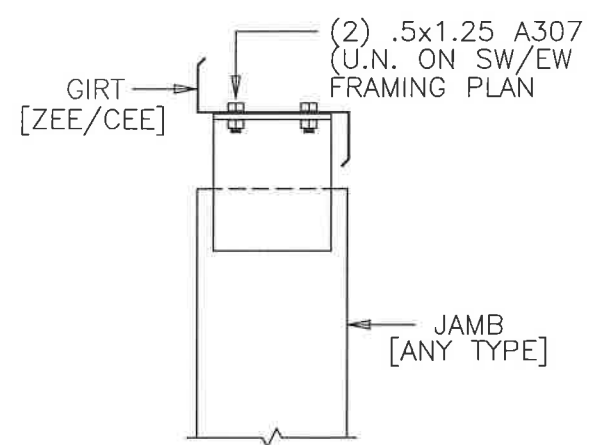
J8 EAVE STRUT CONNECTION AT MAINFRAME

DETAIL K3



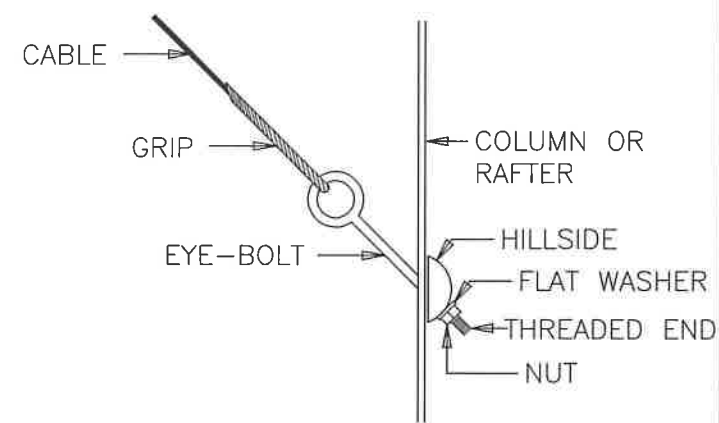
GIRTS TO JAMB

DETAIL L8



FRAMED OPENING JAMB TO GIRT

Q2 CABLE INSTALLATION DETAIL

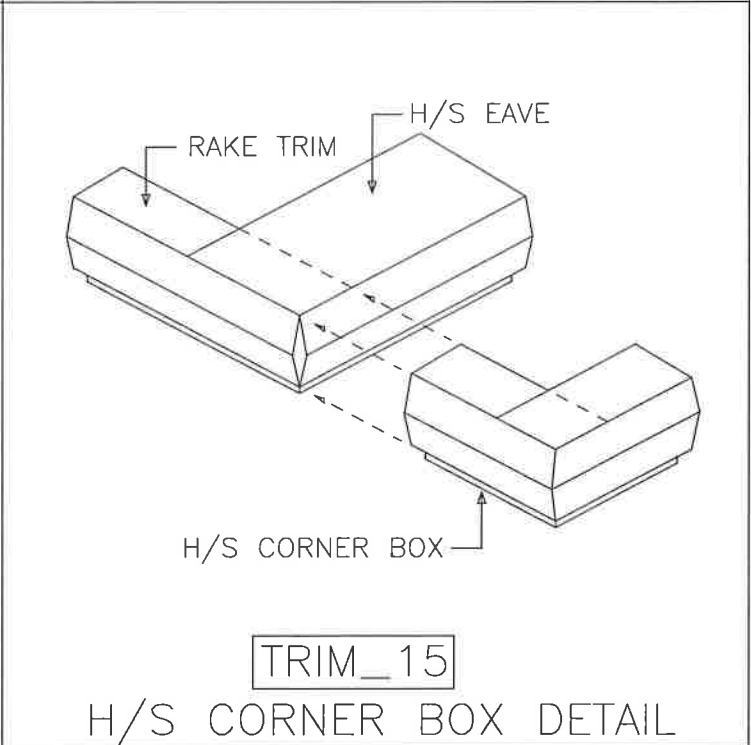
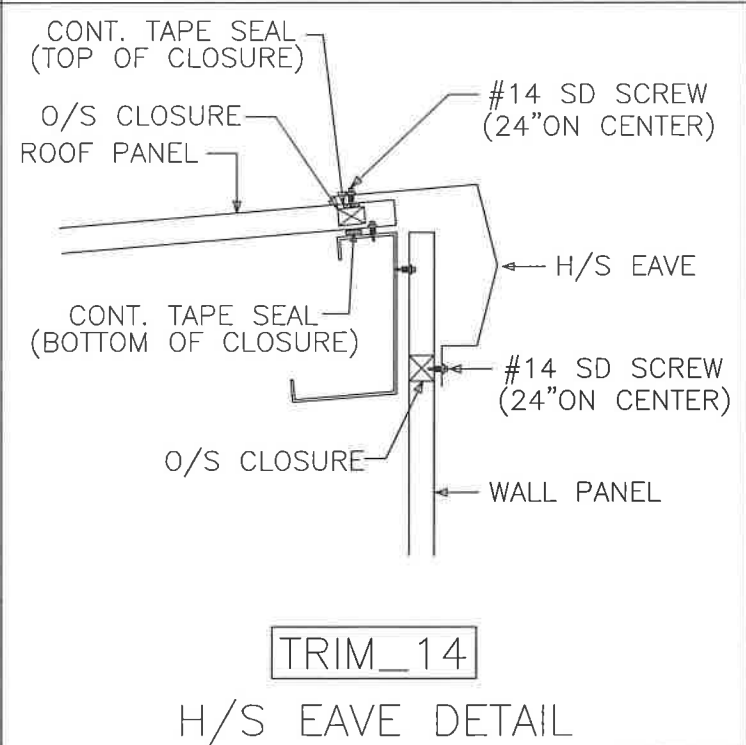
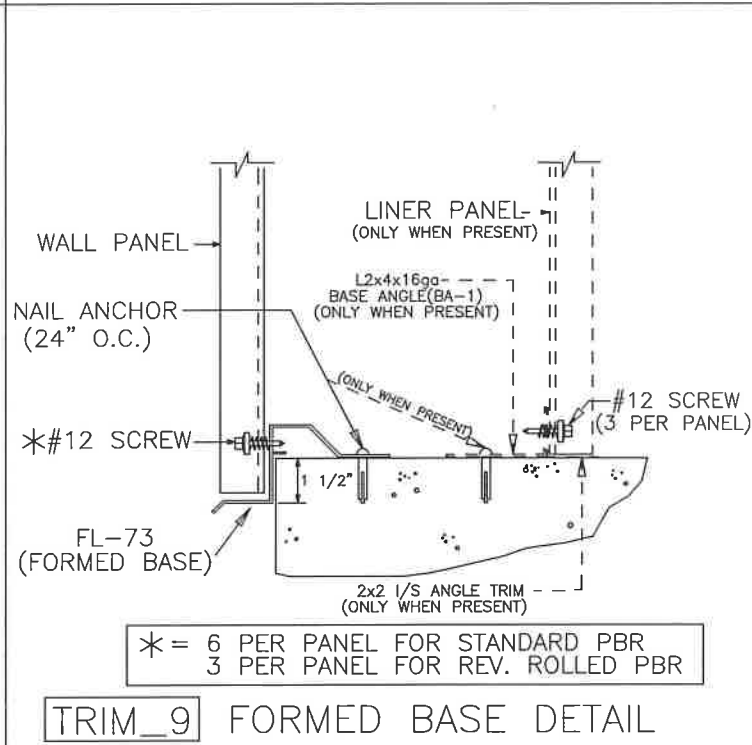
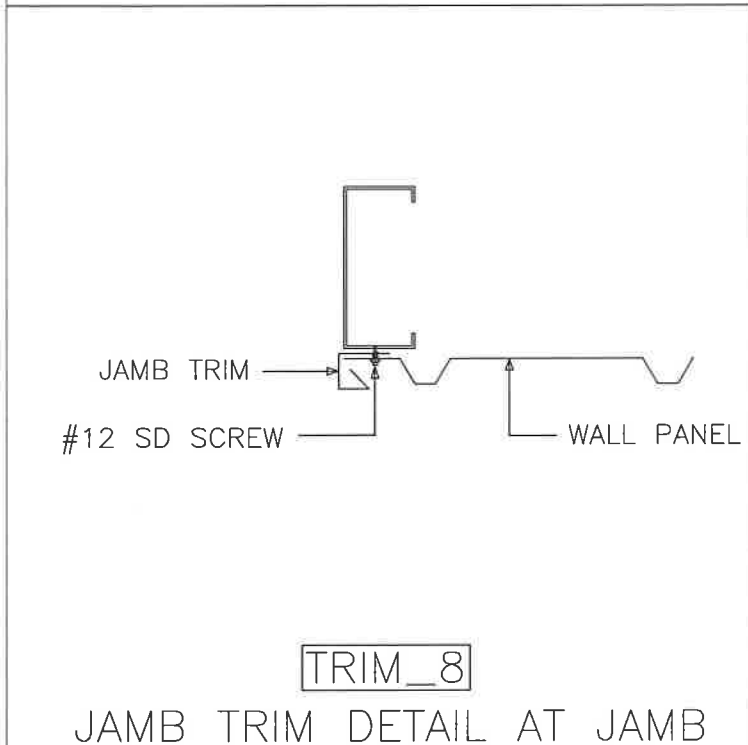
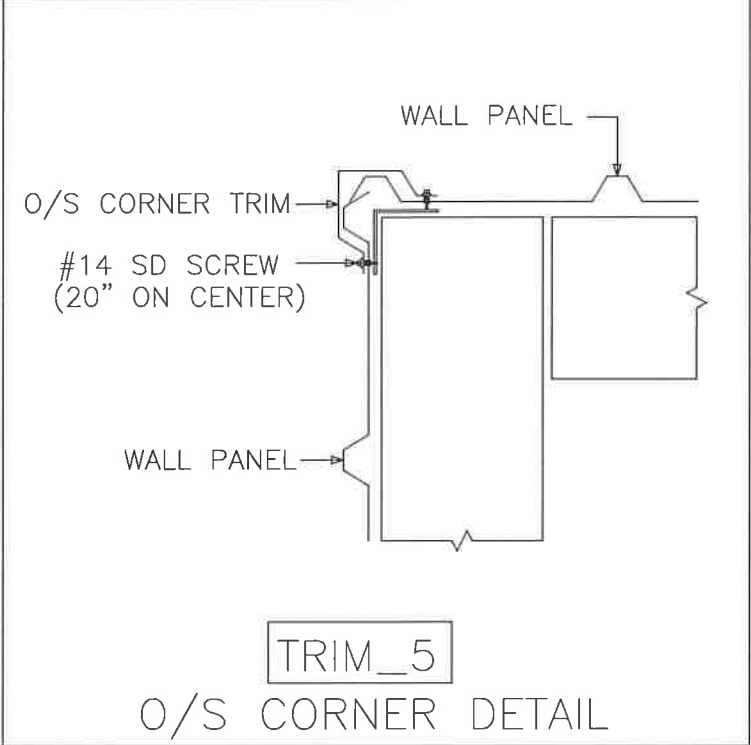
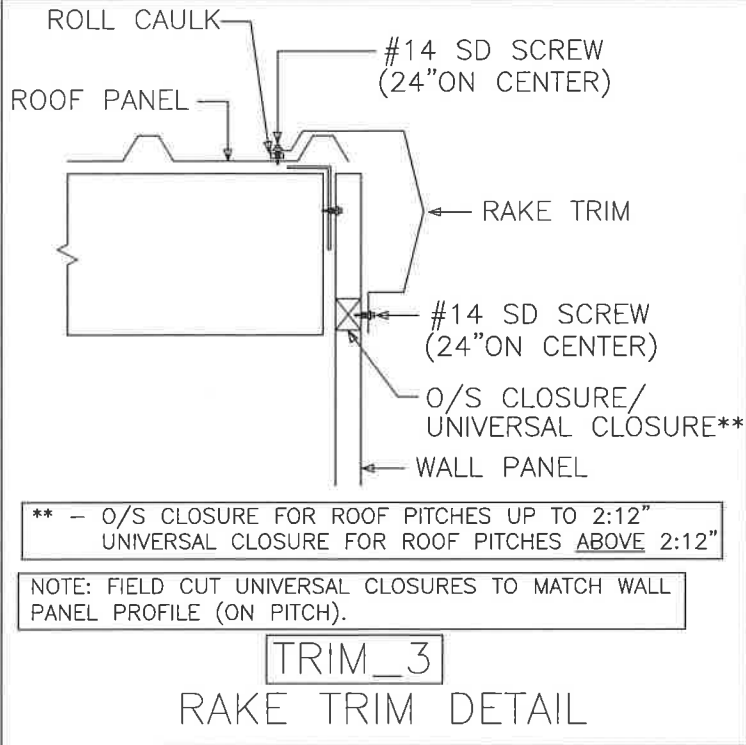
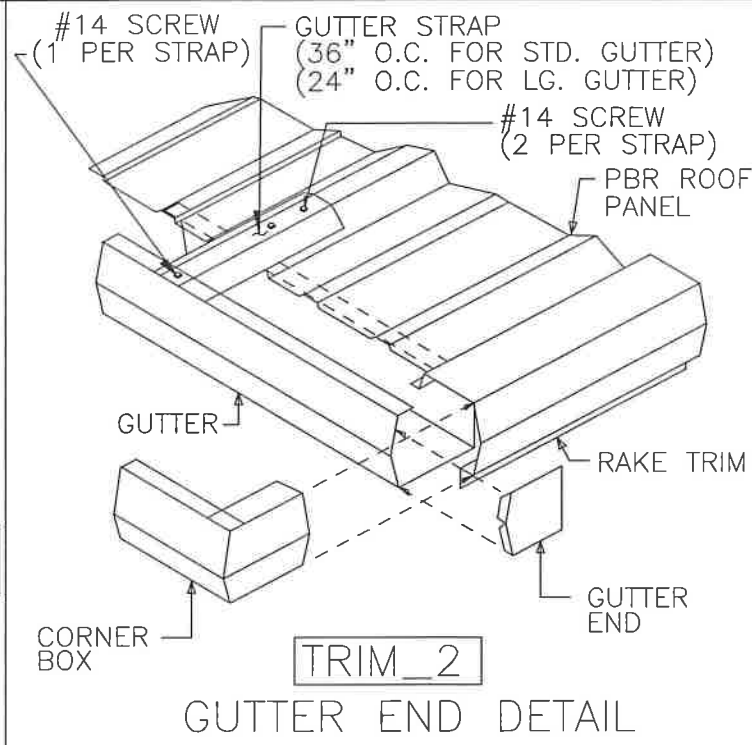
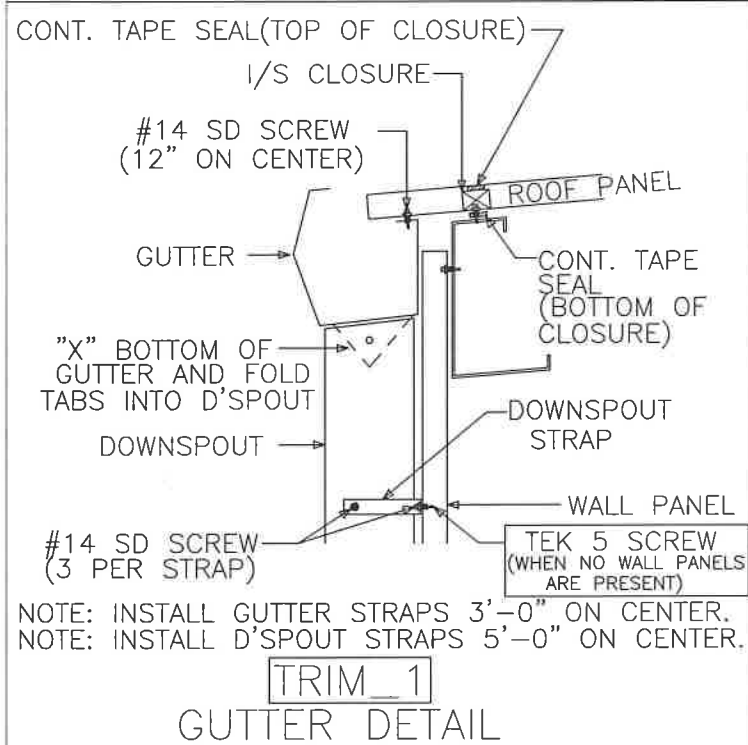


NOTE: WHEN FLUSH GIRTS/PURLINS ARE USED, FIELD SLOT GIRT OR PURLIN AS REQ'D FOR CABLE/ROD PASSAGE THROUGH PURLIN/GIRT.

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235 Sanders Rd.
Hahira, GA 31632

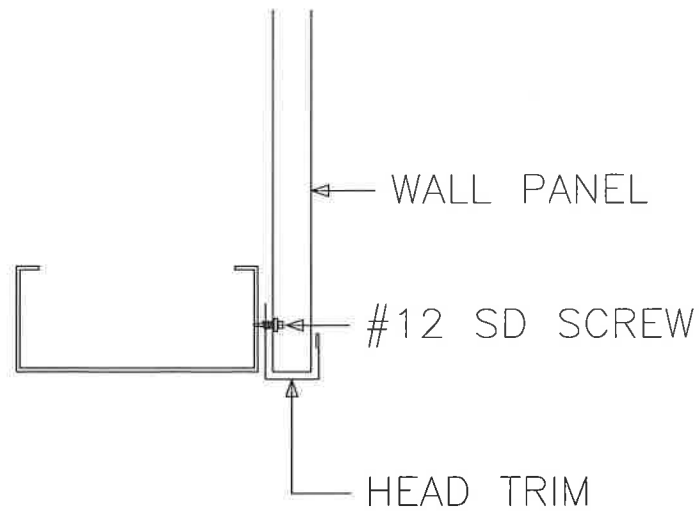


ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: FRAMING DETAILS				
DRAWING NO: PAGE 5.2		DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE



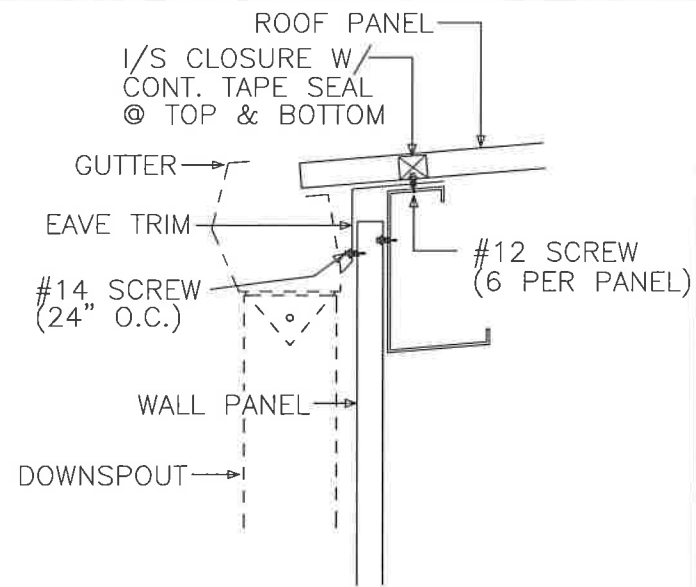
Wayne Brad Baker, P.E.
235 Sanders Rd.
Hahira, GA 31632

ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: FRAMING DETAILS				
DRAWING NO: PAGE 5.3	DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE	



TRIM_61

HEAD TRIM DETAIL AT HEADER



TRIM_120

EAVE/GUTTER TRIM DETAIL

STRUCTURAL BOLTED CONNECTIONS

REFER TO COVER PAGE "GENERAL NOTES" PARAGRAPH "C", SECTION "9" FOR INSTRUCTIONS ON TIGHTENING ALL A325 AND A490 CONNECTION BOLTS.

TRIM NOTES:

- [1] SEAL TRIM SPLICES WITH TUBE CAULK.
- [2] SECURE GUTTER SPLICES AND END PLUGS WITH RIVETS.
- [3] SECURE ALL OTHER ROOF TRIM SPLICES WITH TRIM SCREWS UNLESS NOTED OTHERWISE.
- [4] TRIM SCREWS ARE LOCATED 24" ON CENTER UNLESS NOTED OTHERWISE.
- [5] STD. TRIM SPLICES ARE 3" TOTAL UNLESS NOTED OTHERWISE.

MORTISE PREPPED PERSONNEL DOORS

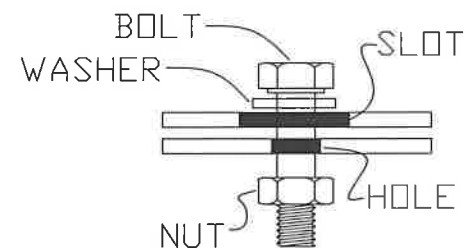
ALL MORTISE PREPPED PERSONNEL DOORS COME AS RIGHTHAND REVERSED SWING.

(i.e. STANDING ON THE OUTSIDE OF THE BUILDING FACING THE DOOR, THE LOCK WILL BE ON THE LEFTHAND SIDE OF THE DOOR AND THE DOOR WILL SWING OUTWARD FROM THE BUILDING.)

ANY FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE ERECTOR AND MBM IS NOT LIABLE FOR LABOR CHARGES NOR DAMAGES DUE TO ERROR.

TYPICAL WASHER REQUIREMENTS (UNLESS NOTED OTHERWISE ON DRAWINGS)

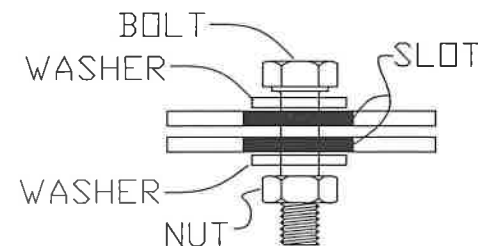
SLOT TO HOLE CONN. WASHER REQUIRED ON SLOTTED SIDE



HOLE TO HOLE CONN. NO WASHERS REQ'D.

SLOT TO SLOT CONN.

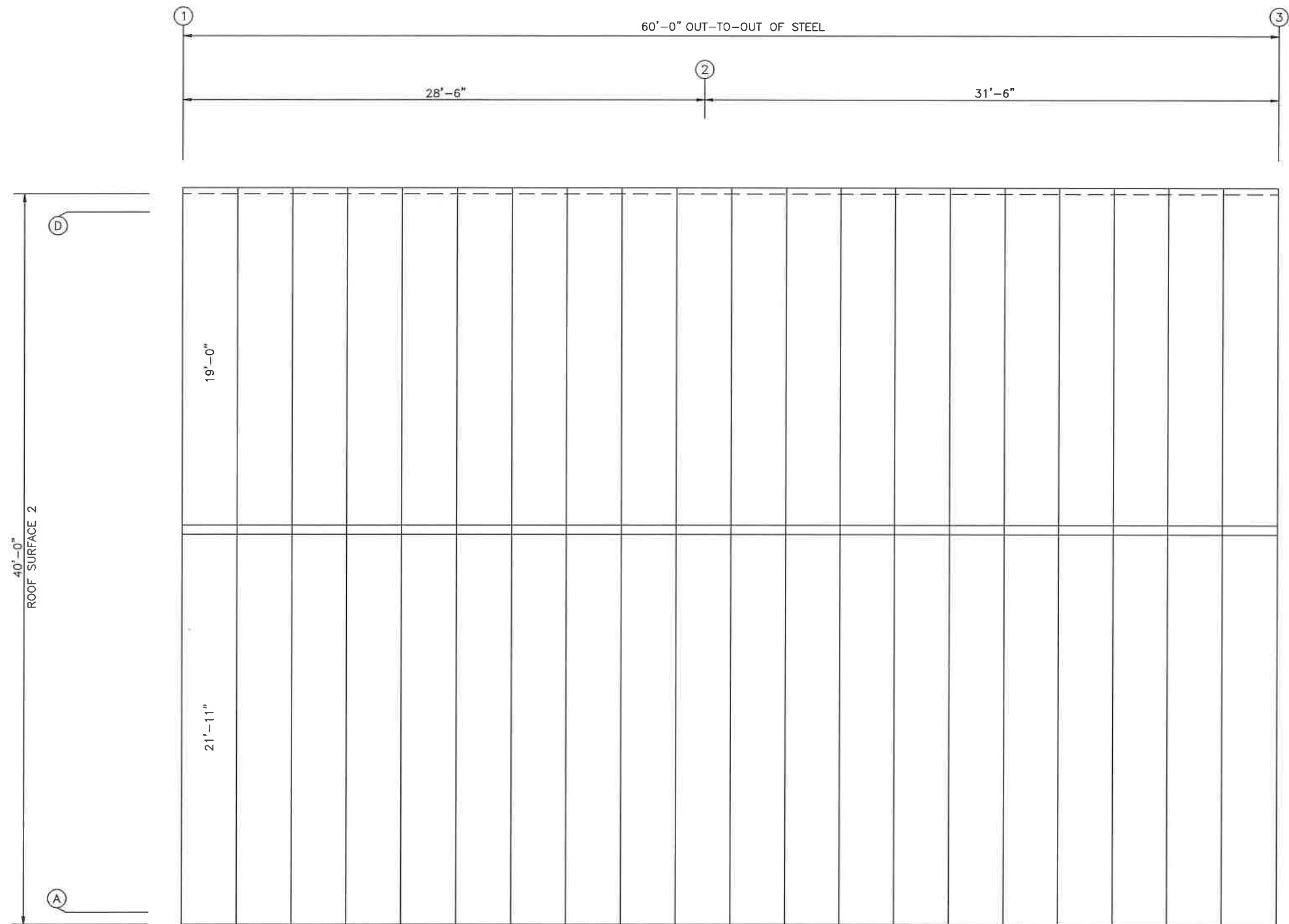
WASHERS ARE REQUIRED ON EACH SLOTTED SIDE.
(**WASHER(S) NOT REQ'D WITHIN LAPPED ZEE PURLIN/GIRT AREAS**)



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235 Sanders Rd.
Hahira, GA 31632



ISSUE	DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.			
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JOB NO: 7871	DATE: 1/31/23		
LOCATION: DUNN, NC 28334			
DRAWING NAME: FRAMING DETAILS			
DRAWING NO: PAGE 5.4	DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE



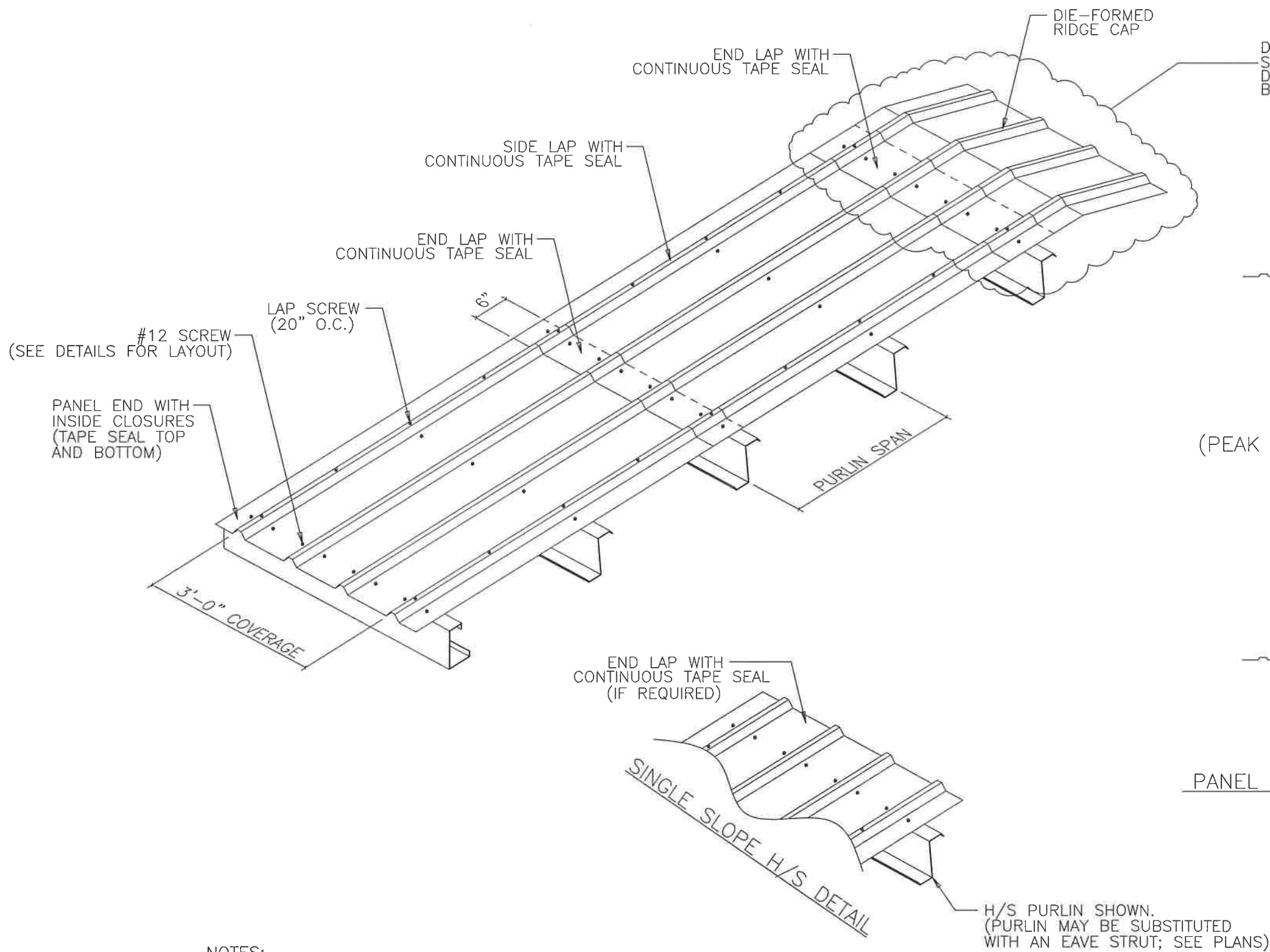
ROOF SHEETING PLAN
PANELS: 26 GA. PBR - GALVALUME

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Hahira, GA 31632

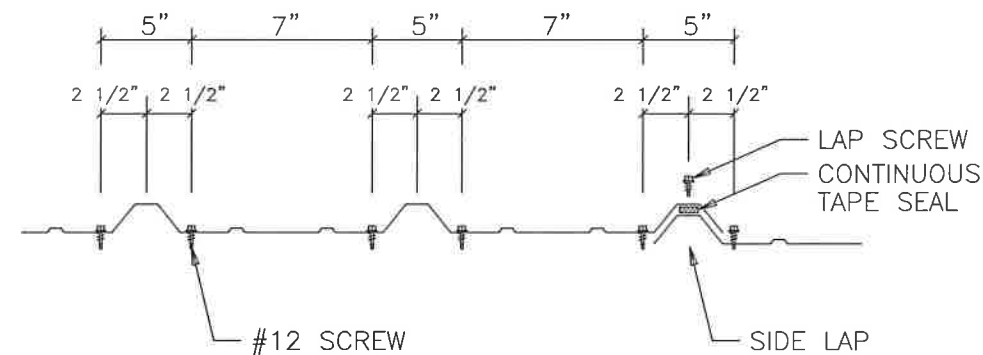


ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: ROOF PANELS & TRIM				
DRAWING NO: PAGE 6		DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE

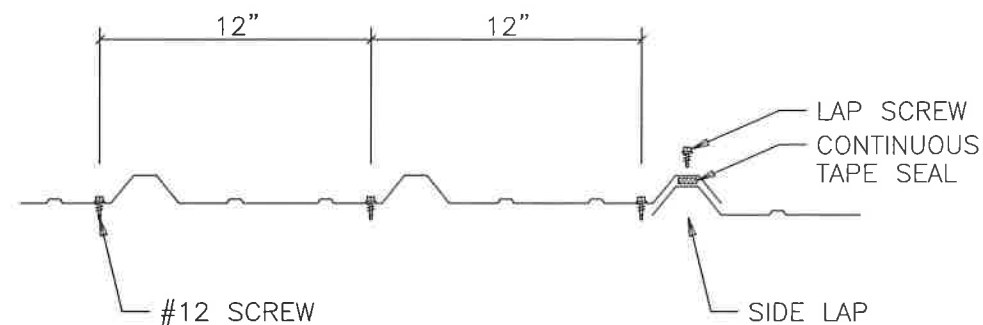
HORNET STEEL BUILDINGS, INC.
GA COMP: PEF008160
EXPIRATION: 06/30/2024



D/F RIDGE SHOWN (GABLED).
SEE BELOW FOR ALTERNATE
DETAIL TO BE VIEWED WHEN
BUILDING IS SINGLE SLOPED.



PANEL ATTACHMENT AT PANEL END
(PEAK PURLIN, EAVE STRUT, AND PANEL END LAPS)



PANEL ATTACHMENT AT INTERMEDIATE MEMBERS

NOTES:

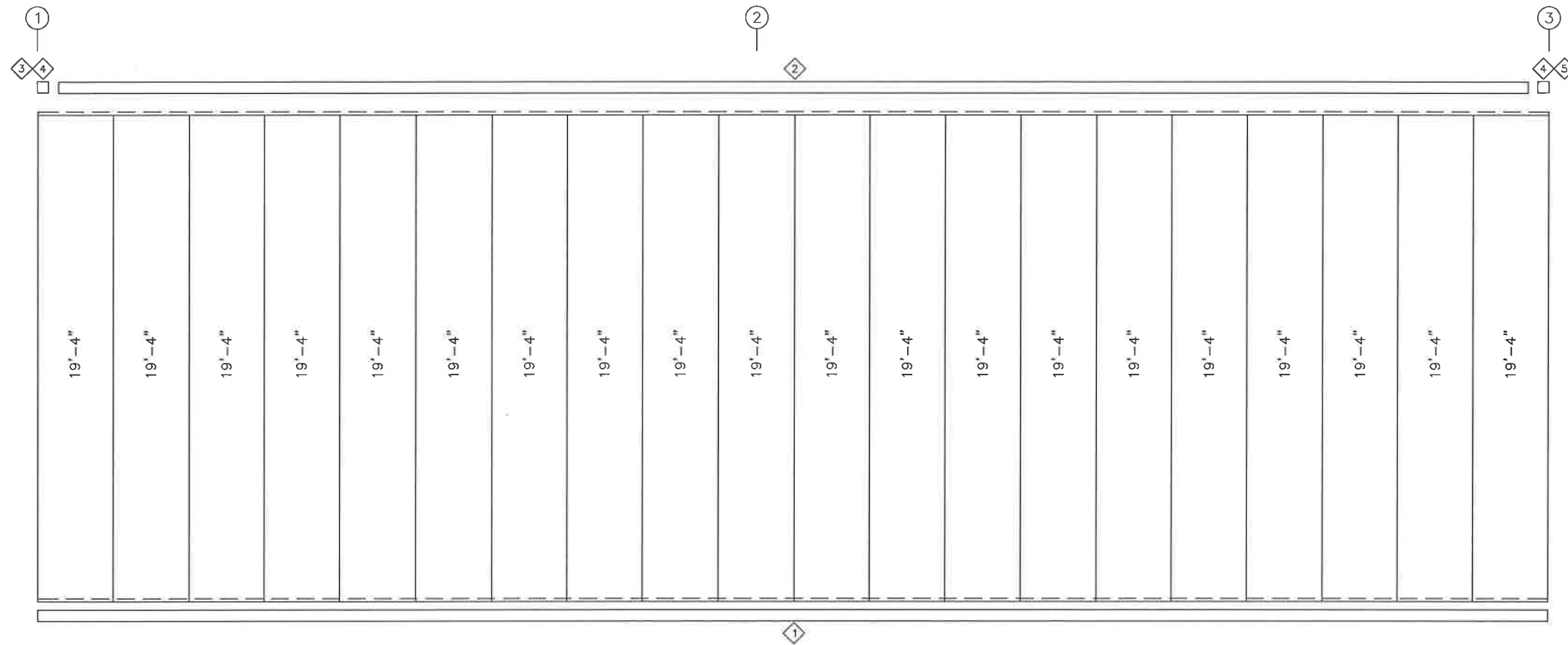
- [1] ALL END LAPS MUST BE A MINIMUM OF 6".
- [2] METAL SHAVINGS MUST BE SWEEPED FROM THE ROOF EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.
- [3] TAPE SEAL MUST BE APPLIED WITH NO GAPS OR BREAKS.
- [4] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE PURLINS. #14 LAP SCREWS ARE USED AT THE PANEL-TO-PANEL ATTACHMENTS. ALL FASTENERS ARE SELF-DRILLING.

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Hahira, GA 31632

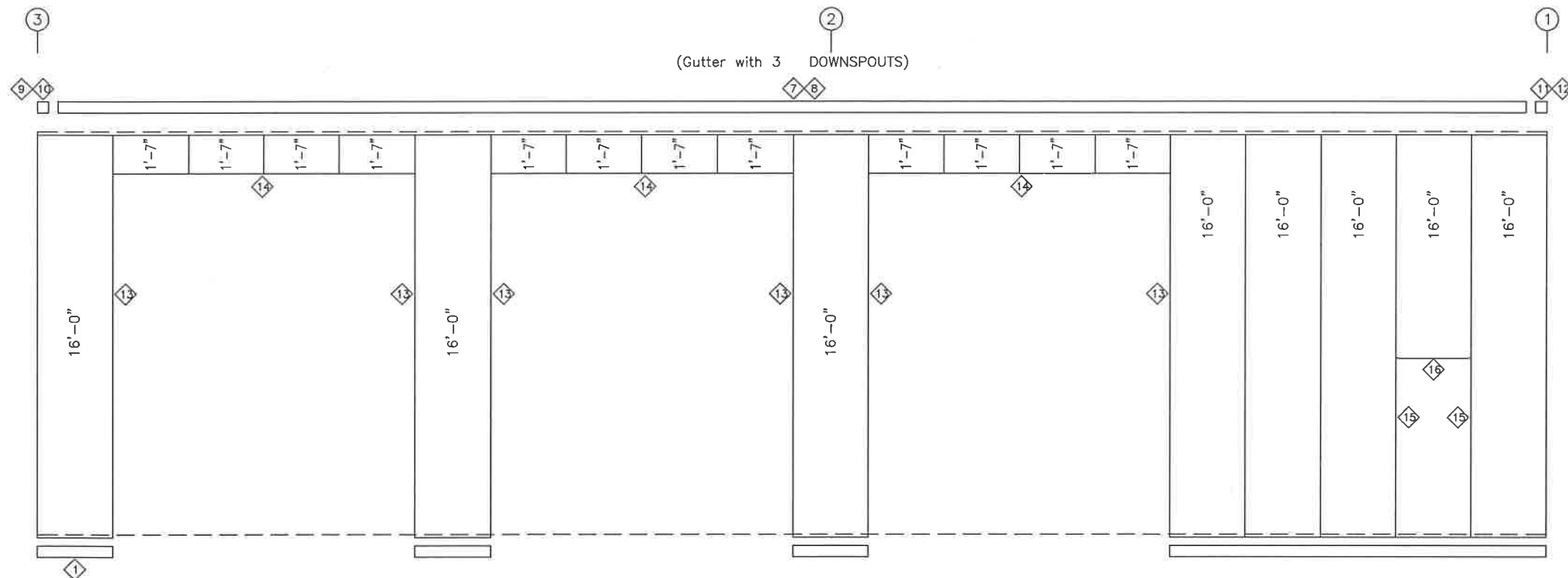


ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: ROOF PANEL DETAILS				
DRAWING NO: PAGE 6.1	DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE	

TRIM TABLE			
FRAME LINE A & D			
◇ID	PART	LENGTH	DETAIL
1	FL-73	20'-0"	TRIM_9
2	H/S EAVE	20'-3"	TRIM_14
3	HS COR L	1'-0"	TRIM_15
4	RAKE BOX	1'-4"	
5	HS COR R	1'-0"	TRIM_15
7	GUTTER	20'-3"	TRIM_1
8	EAVE TRM	20'-3"	TRIM_120
9	GUTEND L	1"	TRIM_2
10	CORBOX L	1'-0"	TRIM_2
11	GUTEND R	1"	TRIM_2
12	CORBOX R	1'-0"	TRIM_2
13	R JAMB	14'-7"	TRIM_8
14	R HEAD	12'-3"	TRIM_61
15	R JAMB	7'-3"	TRIM_8
16	R HEAD	3'-3"	TRIM_61



SIDEWALL SHEETING & TRIM: FRAME LINE A
PANELS: 26 GA. PBR - LIGHT STONE

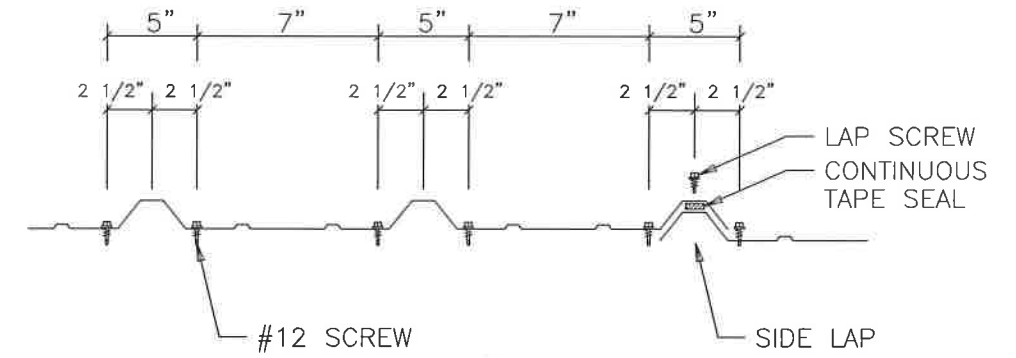
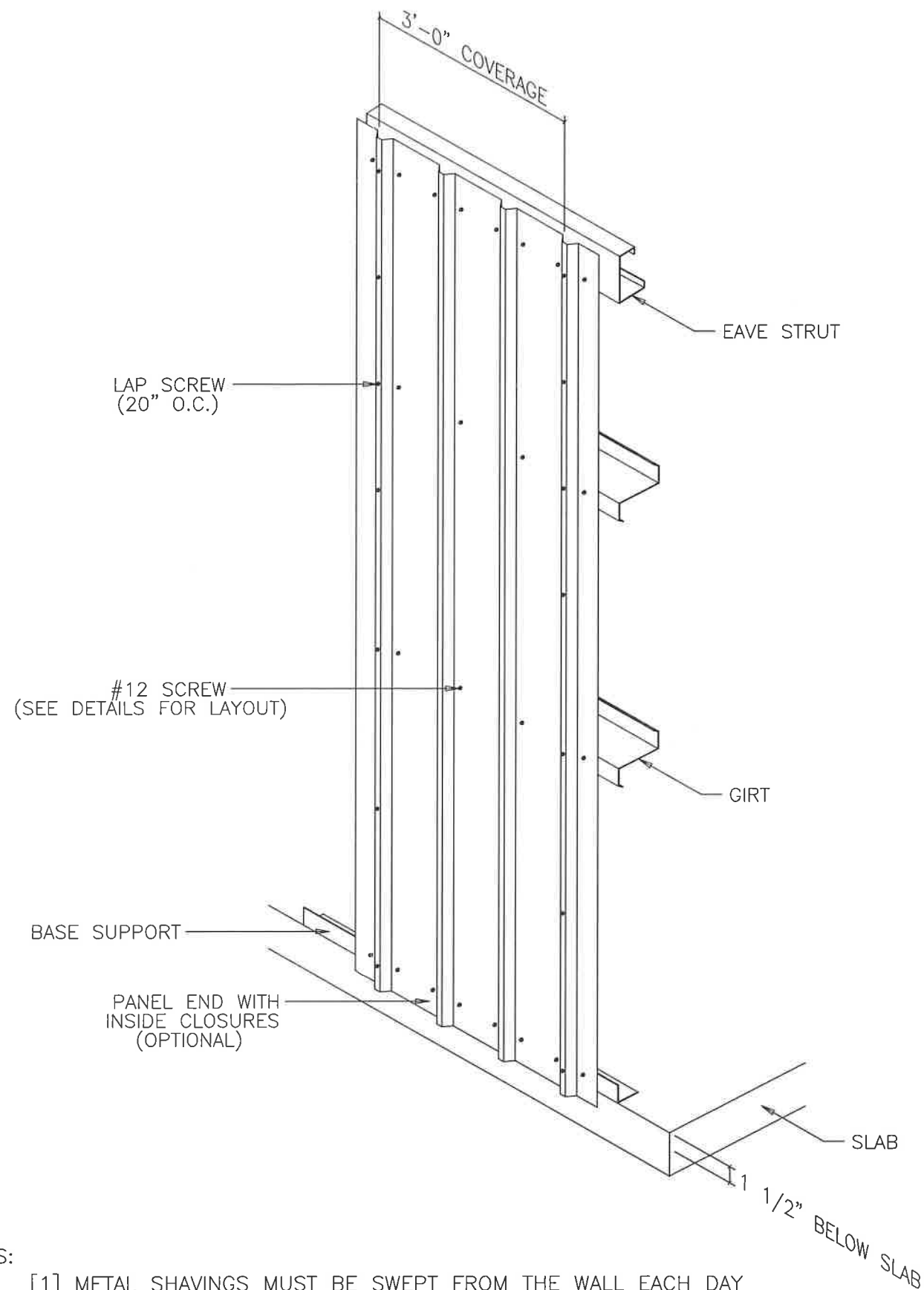


SIDEWALL SHEETING & TRIM: FRAME LINE D
PANELS: 26 GA. PBR - LIGHT STONE

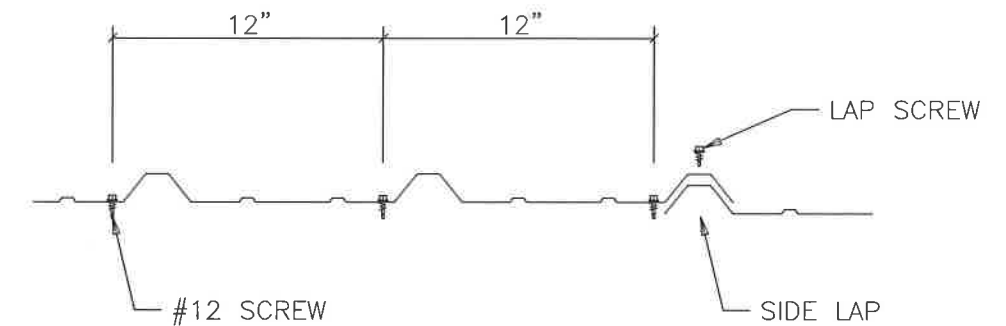
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235 Sanders Rd.
Hahira, GA 31632



ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: SIDEWALL PANELS & TRIM				
DRAWING NO: PAGE 7		DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE



PANEL ATTACHMENT AT PANEL END
(BASE, EAVE STRUT, HEADER, SILL, AND PANEL END LAPS)



PANEL ATTACHMENT AT INTERMEDIATE MEMBERS

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Hahira, GA 31632

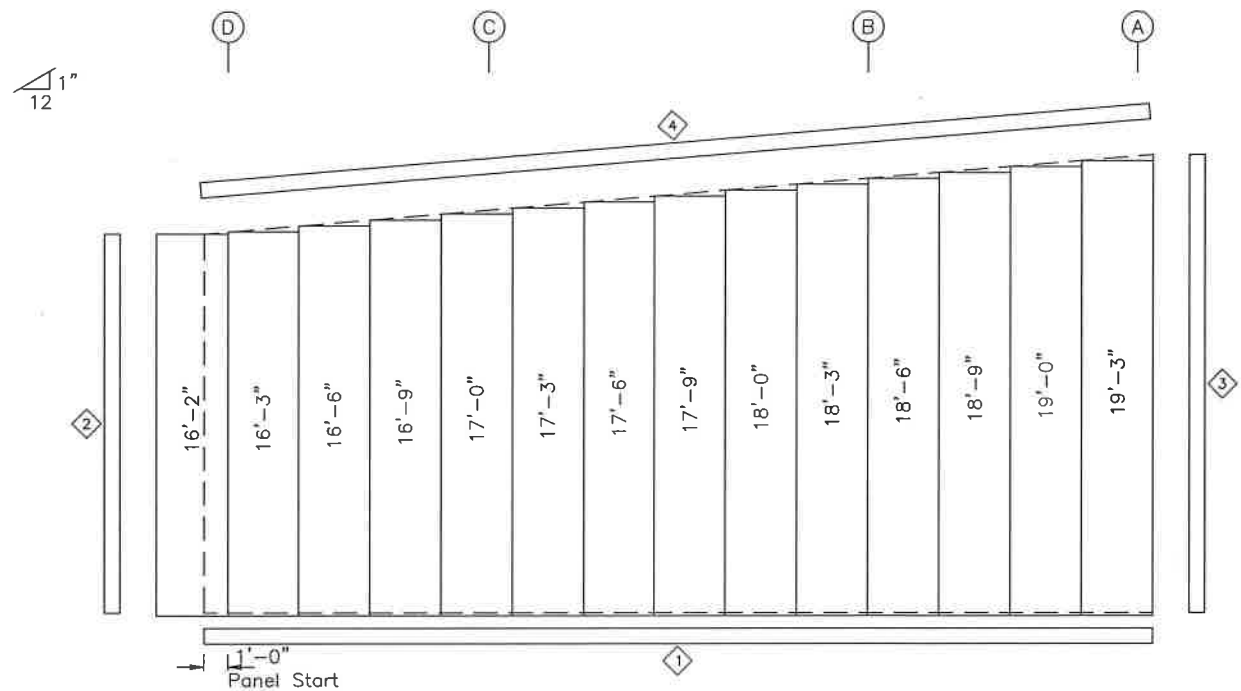


NOTES:

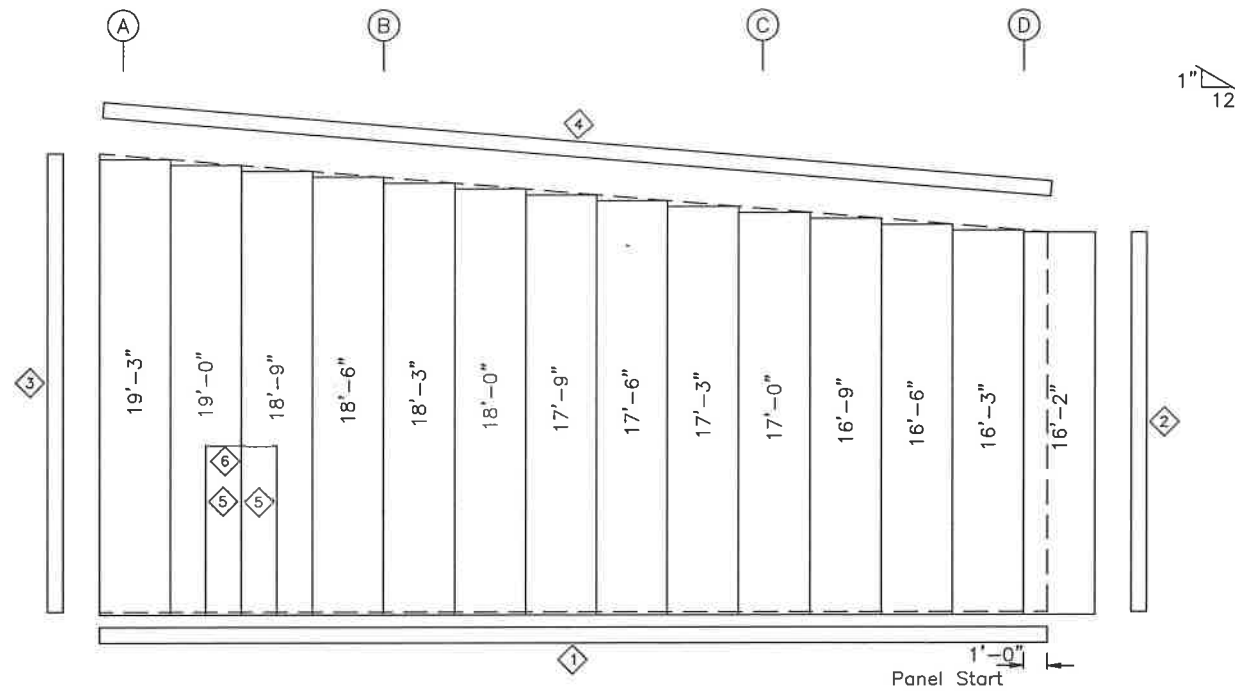
- [1] METAL SHAVINGS MUST BE SWEEPED FROM THE WALL EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.
- [2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE GIRTS. #14 LAP SCREWS ARE USED AT THE PANEL-TO-PANEL ATTACHMENTS. ALL FASTENERS ARE SELF-DRILLING.

ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871		DATE: 1/31/23		
LOCATION: DUNN, NC 28334				
DRAWING NAME: SIDEWALL PANEL DETAILS				
DRAWING NO: PAGE 7.1		DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE

TRIM TABLE			
FRAME LINE 1 & 3			
ID	PART	LENGTH	DETAIL
1	FL-73	20'-0"	TRIM_9
2	O/S CORN	16'-2"	TRIM_5
3	O/S CORN	19'-6"	TRIM_5
4	RAKE TRM	20'-3"	TRIM_3
5	R JAMB	7'-3"	TRIM_8
6	R HEAD	3'-3"	TRIM_61

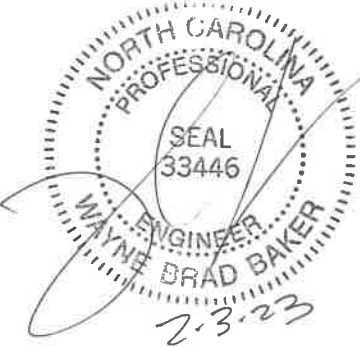


ENDWALL SHEETING & TRIM: FRAME LINE 1
PANELS: 26 GA. PBR - LIGHT STONE

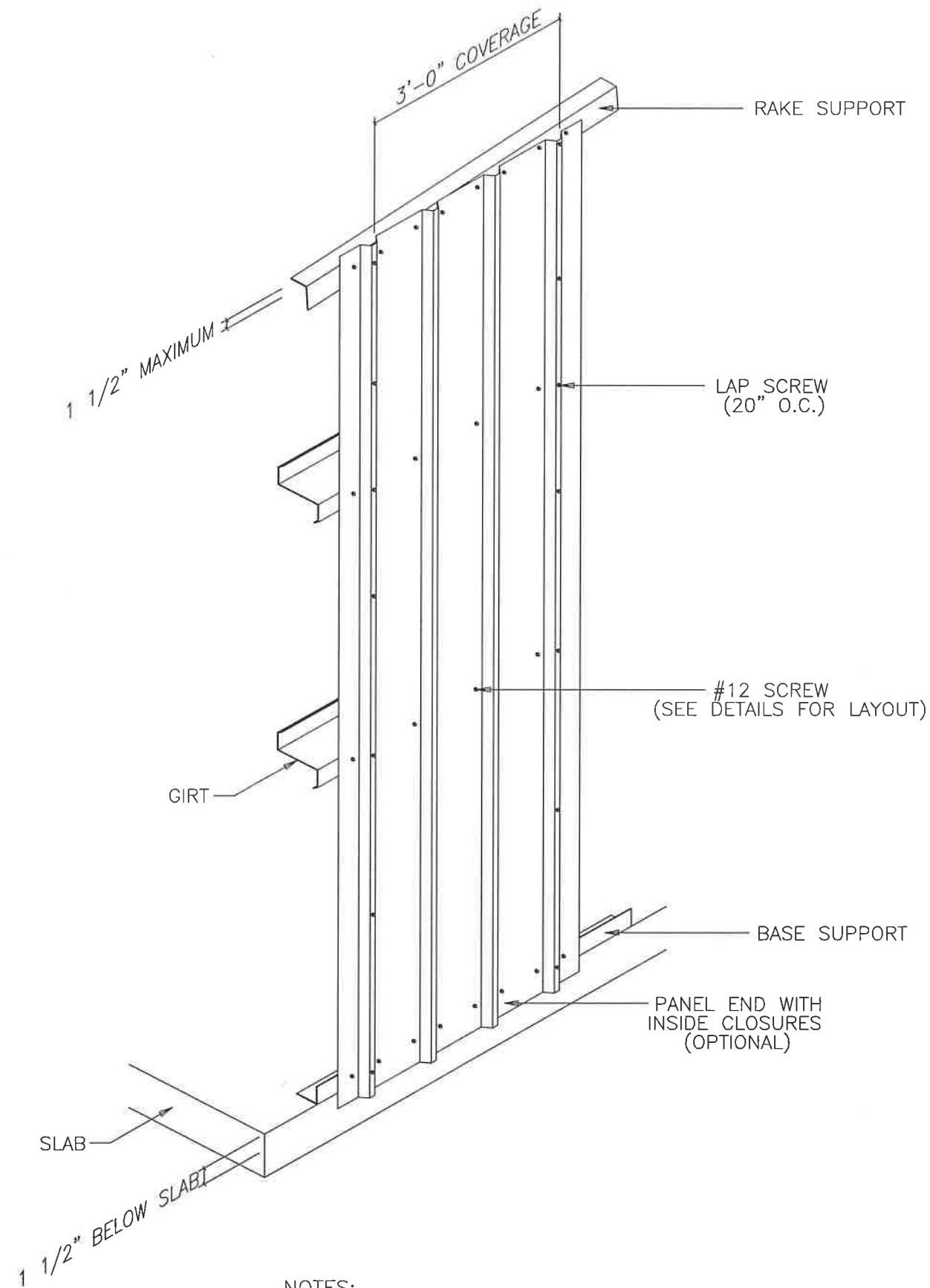


ENDWALL SHEETING & TRIM: FRAME LINE 3
PANELS: 26 GA. PBR - LIGHT STONE

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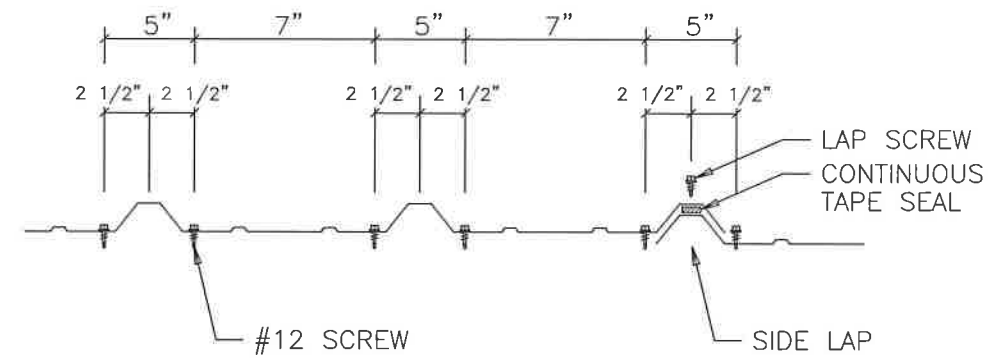


ISSUE		DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.				
CUSTOMER:				
JUNIOR FAIRCLOTH				
JOB NO:		DATE:		
7871		1/31/23		
LOCATION:				
DUNN, NC 28334				
DRAWING NAME:				
ENDWALL PANELS & TRIM				
DRAWING NO:		DRAWN BY:		CHECKED BY:
PAGE 8		DJH		SPW
				SCALE:
				NONE

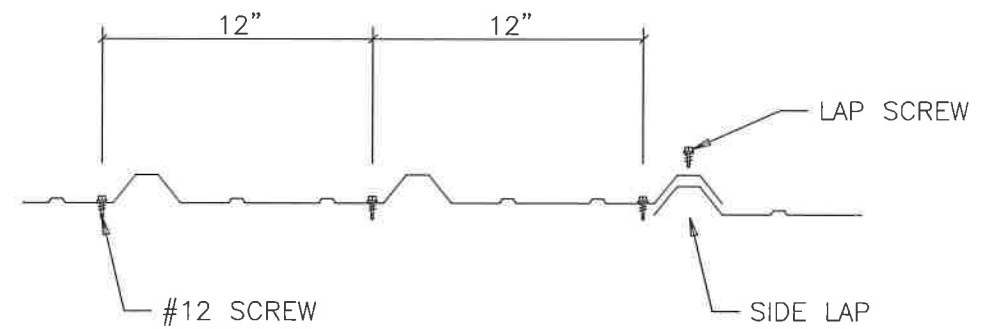


NOTES:

- [1] METAL SHAVINGS MUST BE SWEEPED FROM THE WALL EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.
- [2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE GIRTS. #14 LAP SCREWS ARE USED AT THE PANEL-TO-PANEL ATTACHMENTS. ALL FASTENERS ARE SELF-DRILLING.

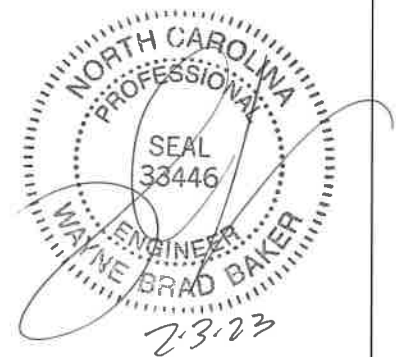


PANEL ATTACHMENT AT PANEL END
(BASE, EAVE STRUT, HEADER, SILL, AND PANEL END LAPS)

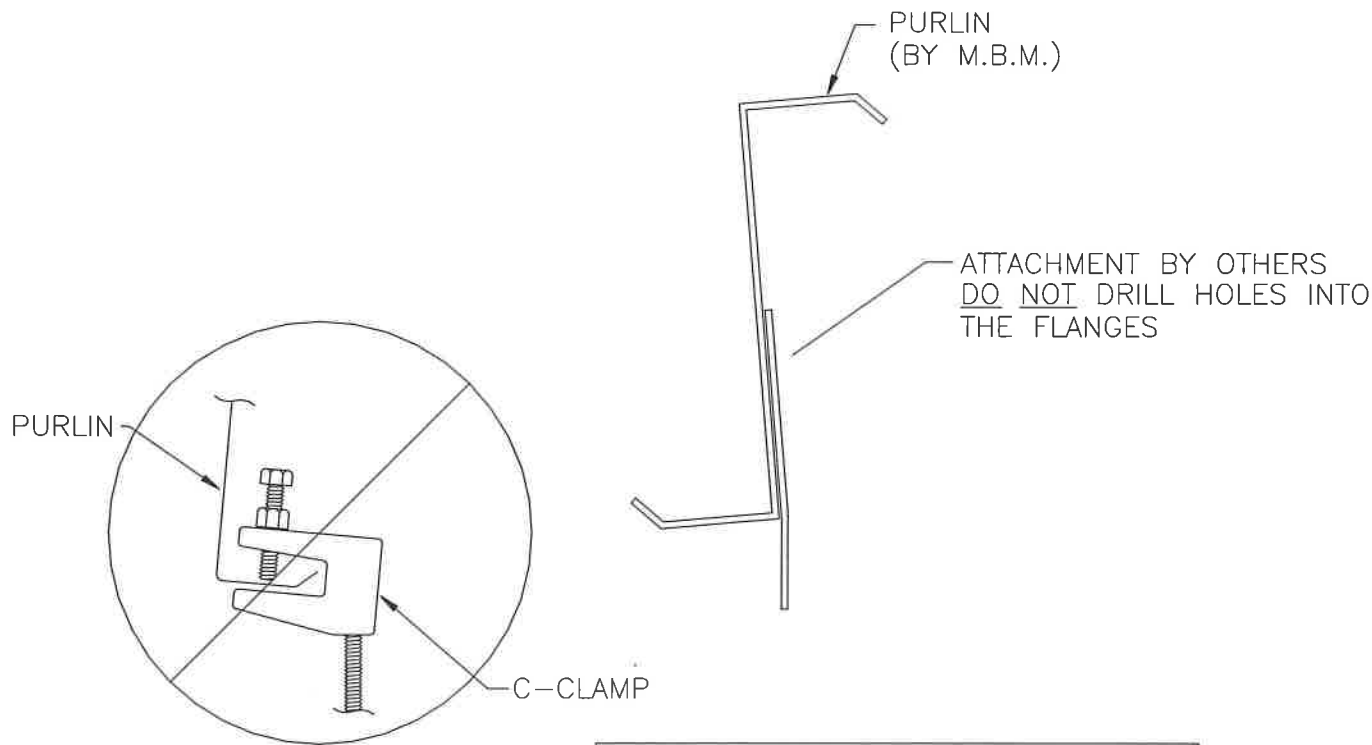


PANEL ATTACHMENT AT INTERMEDIATE MEMBERS

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235 Sanders Rd.
Hahira, GA 31632



ISSUE	DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.			
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LOCATION: DUNN, NC 28334			
DRAWING NAME: ENDWALL PANEL DETAILS			
DRAWING NO: PAGE 8.1	DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE



Flange C-Clamp is not an acceptable connection

NOTE: M.B.M. only provides the roof purlin. All other material and hardware is by others.

Recommended Connection Detail

NOTE

MANY FACTORS BEYOND THE CONTROL OF THE METAL BUILDING SUPPLIER AFFECT THE ABILITY OF A PURLIN TO SAFELY SUPPORT HANGING LOADS COMBINED WITH OTHER REQUIRED ROOF LOADS. DUE TO THE VARIABLES INVOLVED IN HANGING LOADS AND THEIR ATTACHMENTS TO THE PURLINS, THE METAL BUILDING SUPPLIER CANNOT ASSURE THAT THE PURLINS FOR A PARTICULAR BUILDING PROJECT CAN SAFELY SUPPORT THE MAXIMUM ALLOWABLE HANGING LOADS IN COMBINATION WITH OTHER ROOF LOADS.

IT IS THE RESPONSIBILITY OF THE HANGER SYSTEM INSTALLER TO COORDINATE WITH THE ENGINEER OF RECORD FOR THE OVERALL PROJECT TO ENSURE A SAFE HANGING LOAD INSTALLATION. THE METAL BUILDING ENGINEER IS NOT THE ENGINEER OF RECORD FOR THE OVERALL PROJECT. WITHOUT SPECIFIC CERTIFICATION FOR INDIVIDUAL HANGING LOADS, THE NET EFFECTS OF APPLIED HANGER LOADS INSTALLED ON A PARTICULAR PURLIN SHALL NOT EXCEED THE NET EFFECTS OF THE CERTIFIED UNIFORMLY APPLIED DESIGN COLLATERAL LOAD.

HANGING LOADS SHOULD NOT BE APPLIED TO THE PURLIN LIP. WHERE PERMISSIBLE, THE BEST PRACTICE FOR HANGING LOADS IS TO ATTACH TO THE PURLIN WEB USING A BOLT AND NUT, OR SELF-DRILLING SCREWS.

HANGING UNIFORM LOADS SUCH AS SPRINKLER MAINS OR HVAC EQUIPMENT SHOULD BE DISTRIBUTED OVER SEVERAL PURLINS, AND SHOULD NEVER EXCEED THE COLLATERAL LOAD ALLOWANCE FOR THE ROOF SYSTEM. FOR UNIFORM LOADS THAT RUN PARALLEL TO THE PURLINS, IT MAY BE NECESSARY TO USE TRANSVERSE SUPPORT CHANNELS(A.K.A. TRAPEZE BEAMS) ATTACHED TO THE WEBS OR FLANGES OF ADJACENT PURLINS TO SPREAD THE LOAD BETWEEN TWO OR MORE PURLINS. IN SUCH CASES, CONTACT THE BUILDING MANUFACTURER OR A LOCAL PROFESSIONAL ENGINEER PRIOR TO ATTEMPTING TO HANG LOADS FROM THE PURLINS

DO NOT INSTALL GUTTER WITH OUTSIDE FACE PERPENDICULAR TO THE GROUND.

INSTALL GUTTER WITH OUTSIDE FACE PERPENDICULAR TO THE ROOF.

GUTTER INSTALLATION DETAIL
(ONLY IF PROVIDED)

EAVE COVER TRIM
(IF PRESENT)

GUTTER

DOWNSPOUT
OFFSET
[TYPE 'A'
SHOWN]

COL. FLG

DOWNSPOUT OFFSET GUIDE
FOR SIDEWALLS WITHOUT WALL PANELS
(REFER TO TRIM DETAILS FOR STRAP
AND FASTENER INSTALLATION INSTRUCTIONS!)

GUTTER

STRAIGHT
DOWNSPOUT

WALL
PANEL

COL. FLG

BASE
CEE

DOWNSPOUT
OFFSET
[TYPE 'A' SHOWN]

DOWNSPOUT OFFSET GUIDE
FOR PARTIAL SIDEWALLS WITH WALL PANELS
(REFER TO TRIM DETAILS FOR STRAP
AND FASTENER INSTALLATION INSTRUCTIONS!)



Wayne Brad Baker, P.E.
235 Sanders Rd.
Hahira, GA 31632

ISSUE	DET	CHK	DATE
RENEGADE STEEL BUILDINGS, INC.			
CUSTOMER: JUNIOR FAIRCLOTH			
JOB NO: 7871		DATE: 1/31/23	
LOCATION: DUNN, NC 28334			
DRAWING NAME: SPECIAL DETAILS			
DRAWING NO: PAGE 9	DRAWN BY: DJH	CHECKED BY: SPW	SCALE: NONE

RENEGADE STEEL BUILDINGS, INC.
2151 HOMER RD.
COMMERCE, GA 30529

DATE: 1/31/23
JUNIOR FAIRCLOTH
JOB NO: 7871
BUILDING SIZE:
WIDTH : 40 ft.
LENGTH : 60 ft.
EAVE HT : 16 ft.
JOB SITE: DUNN, NC 28334

To Whom It May Concern:

This Letter of Design Certification ensures that primary and secondary framing furnished by Metal Building Manufacturer are designed in accordance with information specified to Metal Building Manufacturer on the order documents and summarized by loading information below.

DESIGN LOAD CRITERIA:

Building Code: IBC 15/NCBC 18
Roof Dead Load(D): 2.000 psf plus wt. of metal bldg structure
Roof Live Load(Lr): 20.00 psf
Tributary Live Load Reduction: Yes
Collateral Load(C) : 0.5 psf Snow Thermal Coef. Ct : 1.00
Building Risk Category : II - Normal Snow Imp. Fac. : 1.0000
Wind Speed Ultimate : 120 mph Seismic Use Group (SUG) : II - Normal
 Nominal : 92.95 mph Seismic Site Class : D
Wind Exp. Cat : B Mapped Response (Ss) : 0.1810
Serviceability Wind : 10 -year MRI Mapped Response (S1) : 0.0850
Enclosure Type : Enclosed Design Response (Sds) : 0.1931
Internal Wind Coef. : -0.18/0.18 Design Response (Sd1) : 0.1360
 Rigid Frame (Cs) : 0.0644
Ground Snow Load(Pg) : 10.00 psf Design Category (SDC) : C
Roof Snow Load : 7 psf Seismic Importance : 1.00
Snow Exp. Fac : 1.0000 Res Mod Factor(OMF)R : 3.000*
 Res Mod Factor (Brc) R : 3.000*
*=STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

COMPONENTS & CLADDING (unfactored)

Wall Field Values : 23.689 psf / -25.663 psf
Wall Edge Values : 23.689 psf / -31.526 psf

REFERENCE DESIGN STANDARDS:

- *AISC Specification for Structural Steel Buildings-Allowable stress design, 360-10.
- *AISI North-American Specification for the Design of Cold-Formed Steel Structural Members, 2012 Edition.
- *MBMA Low Rise Building Systems Manual, Latest Edition.
- *AISC Design Guide 3, "Serviceability Design Consideration for Steel Buildings, Second Edition"
- *AWS Latest Edition of Structural Welding Code-Steel.
- * IBC 15/NCBC 18 are using the ASCE7-10.

This certification is limited to the structural design of the frames, secondary, and roof/wall covering manufactured or supplied by Metal Building Manufacturer only and excludes Accessory items such as doors, windows, louvers, translucent panels, and ventilators. This certification specifically excludes any foundation, masonry, erection of building and general contract work.

The undersigned is not the engineer of record for the overall project.

Sincerely,

Wayne Brad Baker, P.E.

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Hahira, GA 31632

