2018 APPENDIX B **BUILDING CODE SUMMARY**

FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Proje Address: 4298	Hodges Chapel Rd Dunn, NC			Zir	Code	28334
	rized Agent: Junior Faircloth	Phone # (910) 892 - 9	THE RESERVE TO THE RE		as@pjstruckbodies.com
Owned By:		ty/County	22-07	rivate		State
	ment Jurisdiction: Ci				rnett	State
Code Ellioree	none sunsaletion.	·y		county		State
CONTACT:	Jonas Parrish					_
DESIGNER	FIRM	NAME	LICENSE #	TELEPHON	E#	E-MAIL
Architectural	N/A Smith Engineering + Design	Joe Smith	024916	(919)736	6-2141	smithengineeringnc@hotr
Civil	Chris Sinclair Electric	Chris Sinclair	27819-L		0-6229	chrissinclairelectric@gma
Electrical Fire Alarm	N/A		2.010.2	- (4.6)32.		
	N/A		.			
Plumbing Mechanical	N/A		-	- }-		
Sprinkler-Stand			0			<u></u>
Structural	Renegade Steel Buildings	Wayne B. Baker	33446	706 654	4-3100	
Retaining Walls						
Other	NA	-		- > -		
	d include firms and individu	ials such as truss	precast pre-engi	ineered interi	ior desi	oners etc.)
2018 NC EXI	☐ Sho	on: Level I	on — Shell/Core ptive Ro	epair evel II		Chapter 14 Level III
CONS RENO	Sho Pha Rea STING BUILDING CO	ell/Core ased Construction novation DE: Prescrip on: Level I Historic ORIGI	on — Shell/Core ptive	evel II ANCY(S) (CI NCY(S) (CI	 Ch. 3):_	
CONS RENO RISK CATEO BASIC BUIL Construction (check all that Sprinklers: Standpipes: Fire District:	Sho Sho Pha Ref STING BUILDING CO Alteration STRUCTED: (date) DVATED: (date) GORY (table 1604.5) DING DATA Type:	ell/Core ased Construction novation DE:	on — Shell/Core ptive	EVEL II ANCY(S) (C) NCY(S) (C) [FPA 13R [Vet Dry	Ch. 3):_ h. 3):_ III III IV NFI	Level III Change of Use F-1 IV IV V-A V-B

2,400

F-2 Low

Parking Garage Open Enclosed Repair Garage

Mixed Occupancy: X No Yes Separation: Hr. Exception:

Actual Area of Occupancy A + Actual Area of Occupancy B ≤ 1

Allowable Area of Occupancy A Allowable Area of Occupancy B

Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM

 $\begin{array}{c|cccc}
 & 2 \\
 & 2 \\
 & 3 \\
 & 4 \\
 & 5
\end{array}$

☐ S-2 Low ☐ High-piled

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

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.

ALLOWABLE AREA

2,400

Mezzanine

1st Floor

Basement

TOTAL

Business

Educational [

Mercantile [

Factory X F-1 Moderate

Utility and Miscellaneous

Incidental Uses (Table 509): N/A

Accessory Occupancy Classification(s): B

Special Uses (Chapter 4 – List Code Sections)

☐ Non-Separated Use (508.3)

Separated Use (508.4) -

Special Provisions: (Chapter 5 – List Code Sections):

determined, shall apply to the entire building.

Primary Occupancy Classification: <u>SELECT ONE</u>

Institutional I-1 Condition 1 2

Residential R-1 R-2 R-3 R-4

S-1 Moderate

Assembly A-1 A-2 A-3 A-4 A-5

1-2 Condition 1

☐ 1-3 Condition ☐ 1

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ⁴ AREA	(C) AREA FOR FRONTAGE INCREASE 1,5	(d) ALLOWABLE AREA PER STORY OR UNLIMITED 2,3
1	Body Installation	2,400	15,500	3,875	19,375

- a. Perimeter which fronts a public way or open space having 20 feet minimum width = $\frac{100}{100}$ (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 $I_f = 100 \left[\overline{F/P} 0.25 \right] \times W/30 = 25$ (%)

³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).

- ² Unlimited area applicable under conditions of Section 507.
- 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: Exit Signs: Fire Alarm: ✓ No ☐ Yes ☐ Partial ___ Smoke Detection Systems: 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)
- Ommon 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	ACCESSIBLE	ACCESSIBLE	Type A	Type A	Type B	Type B	TOTAL
Units	Units	Units	Units	Units	Units	Units	ACCESSIBLE UNITS
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	PROVIDED
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ACCESSIBLE PARKING

FIRE PROTECTION REQUIREMENTS

FIRE RATING DETAIL# DESIGN# DESIGN#FOR DESIGN#

	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/ * REDUCTION)	AND SHEET#	FOR RATED ASSEMBLY	RATED PENETRATION	FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	>10'	0					
Bearing Walls							
Exterior							
North	>10'	0					
East	>10'	0			P		y.
West	>10'	0					
South	>10'	0					
Interior							
Nonbearing Walls and Partitions Exterior walls							
North	>10'	0					
East	>10'	0					
West	>10'	0					
South	>10'	0					
Interior walls and partitions							
Floor Construction Including supporting beams and joists		0					
Floor Ceiling Assembly							
Column Supporting Floors							
Roof Construction, including supporting beams and joists		0					
Roof Ceiling Assembly		0					
Column Supporting Roof		0					
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET FROM PERPERTY LINES	DEGREES OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
>30' (South Wall)	UP, NS	No Limit	52.5
>30' (East & West Walls)	UP, NS	No Limit	3
>30' (North Wall)	UP, NS	No Limit	1.8

(SECTION 1106)

LOT OR PARKING	TOTAL # OF PA	ARKING SPACES	# of Acc	TOTAL#		
AREA	REQUIRED	PROVIDED	REGULAR WITH	VAN SPACES WITH		ACCESSIBLE
			5' access aisle	132" ACCESS AISLE	8' ACCESS AISLE	PROVIDED
Parking	6	8			1	1
					1	1
TOTAL					1	1

PLUMBING FIXTURE REQUIREMENTS

(TABLE 2902.1)

USE		1	WATERCLOSETS URI		URINALS	URINALS LAVATORIES		ES	SHOWERS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	Accessible
SPACE	EXIST'G										
	NEW	1	1		N/A	1	1		N/A	N/A	N/A
	REQ'D			1				1			

SPECIAL APPROVALS

COUNTY

NORTH CAROLINA

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

NOTICE TO CONTRACTOR Il construction must comply with current NC Building Codes and is subject to field inspection and verification. Reviewed for Code Compliance Harnett

09/30/2025

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

2018 APPENDIX B

ENERGY SUMMARY

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

Prescriptive

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

ASHRAE 90.1 Performance

(If "Other" specify source here)

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

Method of Compliance: Energy Code Performance

Climate Zone: 3A 4A 5A

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)

Description of assembly: U-Value of total assembly:

R-Value of insulation:

Description of assembly

R-Value of insulation:

Walls below grade (each assembly) Description of assembly U-Value of total assembly: R-Value of insulation:

U-Value of total assembly:

Exterior Walls (each assembly)

Skylights in each assembly:

U-Value of skylight: ____

Openings (windows or doors with glazing)

Solar heat gain coefficient:

U-Value of assembly:

Projection factor: Door R-Values:

Floors over unconditioned space (each assembly)

Horizontal/Vertical requirement:

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

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

Floors slab on grade

Total square footage of skylights in each assembly:

DESIGN LOADS:

ENERGY REQUIREMENTS:

cost for the proposed design.

Snow (I_s) 1.00 Importance Factors: Seismic (I_E) 1.00 Live Loads:

Mezzanine

Ground Snow Load: Wind Load: Ultimate Wind Speed 120 mph (ASCE-7)

Exposure Category B SEISMIC DESIGN CATEGORY: □A □B □C ☒D Provide the following Seismic Design Parameters: Risk Category (Table 1604.5) Spectral Response Acceleration S_8 0.1810 %g S_1 0.0850 %g A B C ND E F Site Classification (ASCE 7) Field Test Presumptive Historical Data Data Source: ☐ Bearing Wall ☐ Dual w/Special Moment Frame Basic structural system ■ Building Frame □ Dual w/Intermediate R/C or Special Steel Moment Frame | Inverted Pendulum Analysis Procedure: Simplified ☐ Equivalent Lateral Force ☐ Dynamic

Architectural, Mechanical, Components anchored? LATERAL DESIGN CONTROL: Earthquake Wind X SOIL BEARING CAPACITIES: Field Test (provide copy of test report) 2,000 Presumptive Bearing capacity

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

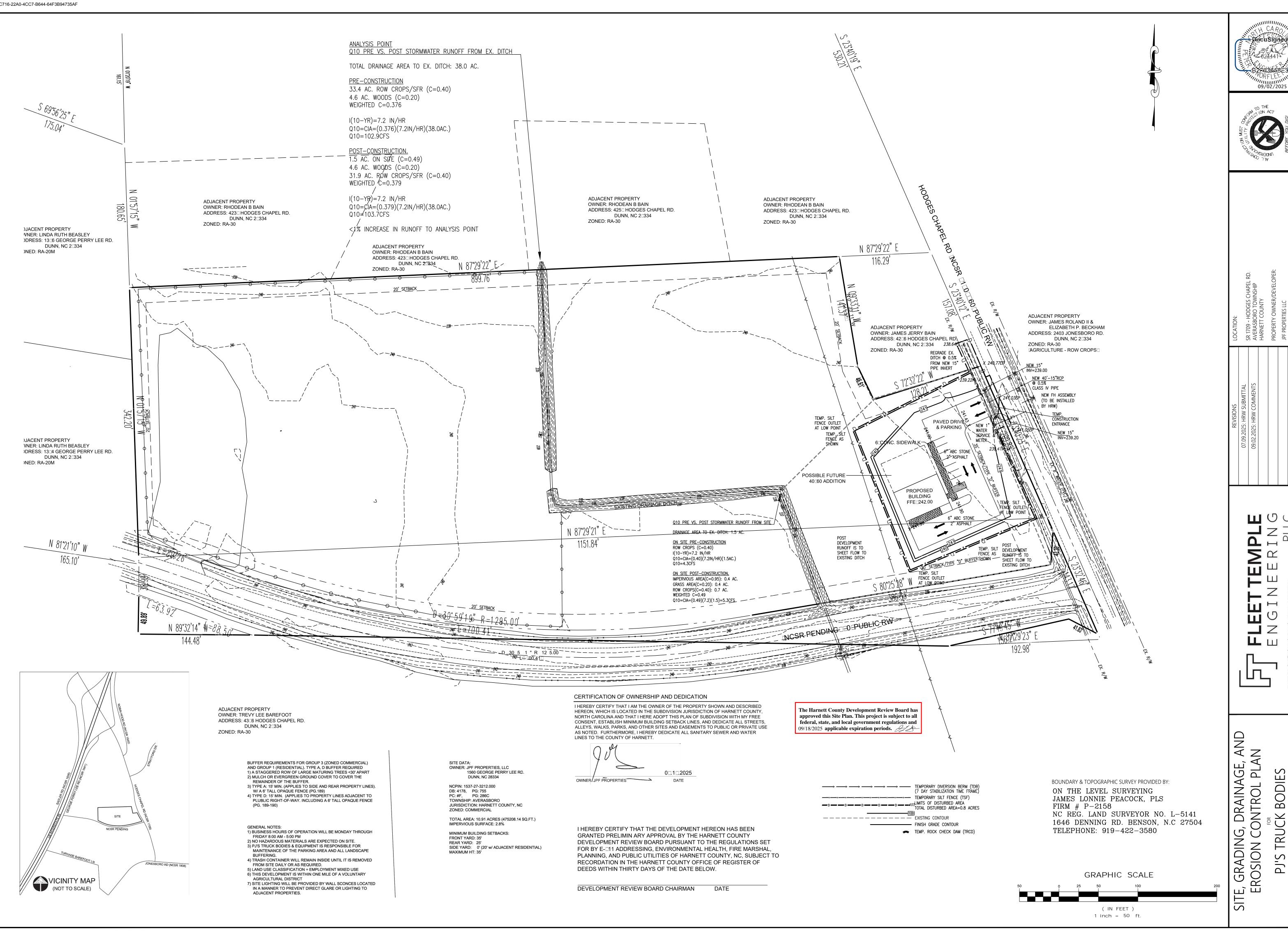
1560 George Perry Lee Rd. Dunn, NC 28334 Telephone: 910.892.5286

Fax: 910.891.4396 jonas@pjstruckbodies.com

www.pjstruckbodies.com

APPENDIX B









TO THE SALL ON ACT	BEFORE YOU DIG! CONTACT ONE—CALL CENTER 1—800—632—4949 or 811

ن	

GG 13G4UN 33NGOU 0071 93	AVERASBORO TOWNSHIP	HARNETT COUNTY	PROPERTY OWNER/DEVELOPER:	JPF PROPERTIES LLC	PO BOX 1207

REVISIONS	07.09.2025: HRW SUBMITTAL	09.02.2025: HRW COMMENTS			

PLE ING

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

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

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

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

GROUND STABILIZATION SPECIFICATION Stabilize the ground sufficiently so that rain will not
Stabilize the ground sufficiently so that rain will not

ot dislodge the soil. Use one of the techniques in the table

I۵	elow:
l	Temporary Stabilization
ı	Temporary grass seed covered with straw or
ı	other mulches and tackifiers
l	Hydroseeding
ı	Rolled erosion control products with or

 Permanent grass seed covered with straw or other mulches and tackifiers · Geotextile fabrics such as permanent soi reinforcement matting Hydroseeding

• Rolled erosion control products with grass seed

without temporary grass seed Appropriately applied straw or other mulch
 Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion • Structural methods such as concrete, asphalt or retaining walls

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

DISTURBEDECAREAY CO.138 INACERESTructures.

Plastic sheeting

OWNER/BENECLOGGERIants that are appropriate for the soils being exposed during construction, selecting from the CAVINESSN**LAND**R L**DEVELOPMEN**PAN**N**ØFlocculants. 41B RABES ANCOST into at or before the inlets to Erosion and Sediment Control Measures.

FAYES. TEVILLE, TOCK 28305 the concentrations specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions 1 1630 Brovide ponding area for containment of treated Stormwater before discharging offsite. DHED BOOK of 1 acculants in 46ak-proof containers that are kept under storm-resistant cover or surrounded by

QUIPMENT AND VEHICLE MAINTENANCE

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

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.

Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.

- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Dispose waste off-site at an approved disposal facility On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

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

Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

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

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

SELF-INSPECTION, RECORDKEEPING AND REPORTING

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan

(a) Each E&SC measure has been installed Initial and date each E&SC measure on a copy

and does not significantly deviate from the of the approved E&SC plan or complete, date

locations, dimensions and relative elevations | and sign an inspection report that lists each

(b) A phase of grading has been completed. Initial and date a copy of the approved E&SC

n addition to the E&SC plan documents above, the following items shall be kept on the

site and available for inspectors at all times during normal business hours, unless the

Division provides a site-specific exemption based on unique site conditions that make

a) This General Permit as well as the Certificate of Coverage, after it is received.

plan shall be kept on site and available for inspection at all times during normal business hours.

must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC

Documentation Requirements

E&SC measure shown on the approved E&SC

initial installation of the E&SC measures or if

the E&SC measures are modified after initial

plan or complete, date and sign an inspection

Initial and date a copy of the approved E&SC

plan or complete, date and sign an inspection

report to indicate compliance with approved

Complete, date and sign an inspection report.

Initial and date a copy of the approved E&SC

report to indicate the completion of the

plan or complete, date and sign an inspection

report to indicate completion of the

ground cover specifications.

construction phase.

corrective action.

Records of inspections made during the previous twelve months. The permittee shall record the required

observations on the Inspection Record Form provided by the Division or a similar inspection form that

includes all the required elements. Use of electronically-available records in lieu of the required paper

copies will be allowed if shown to provide equal access and utility as the hard-copy records.

All data used to complete the e-NOI and all inspection records shall be maintained for a period

of three years after project completion and made available upon request. [40 CFR 122.41]

plan. This documentation is required upon the

CONCRETE NOTING DEVICE (18"X24" MIN.) -CLEARLY MARKED SIGNAGE NOTING DEVICE (18"X24" MIN.) 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY. 3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SKRIAGE NOTING DEVICE. 3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE. ABOVE GRADE WASHOUT STRUCTURE

CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer
- and associated materials on impervious barrier and within lot perimeter silt fence. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or
- product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or
- receiving surface waters. Liquid waste must be pumped out and removed from project. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s)
- closest to the washout which could receive spills or overflow. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When
- utilizing alternative or proprietary products, follow manufacturer's instructions. 10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

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

PART III

SELF-INSPECTION, RECORDKEEPING AND REPORTING

Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean

Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

(e) Noncompliance with the conditions of this permit that may endanger health or the environment.

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate

Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency

Reporting Timeframes (After Discovery) and Other Requirements

sediment and actions taken to address the cause of the deposition

• If the stream is named on the NC 303(d) list as impaired for sediment-

monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance

• Within 24 hours, an oral or electronic notification. The notification

shall include information about the date, time, nature, volume and

A report at least ten days before the date of the bypass, if possible.

Within 7 calendar days, a report that includes an evaluation of the

• Within 7 calendar days, a report that contains a description of the

including exact dates and times, and if the noncompliance has not

continue; and steps taken or planned to reduce, eliminate, and

prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6).

Division staff may waive the requirement for a written report on a

been corrected, the anticipated time noncompliance is expected to

noncompliance, and its causes; the period of noncompliance,

The report shall include an evaluation of the anticipated quality and

with the federal or state impaired-waters conditions.

Within 24 hours, an oral or electronic notification

Within 24 hours, an oral or electronic notification.

related causes, the permittee may be required to perform additional

Division staff may waive the requirement for a written report on a

Division regional office within the timeframes and in accordance with the other requirements listed below.

deposition in a
• Within 7 calendar days, a report that contains a description of the

Do not stockpile these materials onsite.

Occurrences that Must be Reported

They are 25 gallons or more,

(b) Oil spills if:

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.

(d) Anticipated bypasses and unanticipated bypasses.

Reporting Timeframes and Other Requirements

Center personnel at (800) 858-0368.

Occurrence

stream or wetland

(b) Oil spills and

1(b)-(c) above

(c) Anticipated

122.41(m)(3)]

bypasses [40 CFR

(d) Unanticipated

bypasses [40 CFR

(e) Noncompliance

of this permit that

may endanger

environment[40

CFR 122.41(I)(7)]

health or the

with the conditions

122.41(m)(3)]

substances per Item

release of

hazardous

They are less than 25 gallons but cannot be cleaned up within 24 hours,

(a) Visible sediment • Within 24 hours, an oral or electronic notification

case-by-case basis.

effect of the bypass.

case-by-case basis.

location of the spill or release.

quality and effect of the bypass.

They cause sheen on surface waters (regardless of volume), or

They are within 100 feet of surface waters (regardless of volume).

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

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING PIN 163000-58-8913 DEED BOOK 6111 PAGE DISTURBED AREA: 0.39 ACRE

SECTION B: RECORDKEEPIN

1. E&SC Plan Documentation

Item to Document

(c) Ground cover is located and installed

in accordance with the approved E&SC

(d) The maintenance and repair

have been performed

to E&SC measures.

requirements for all E&SC measures

(e) Corrective actions have been taken

2. Additional Documentation to be Kept on Site

3. Documentation to be Retained for Three Years

this requirement not practical:

| EFFECTIVE: 04/01/19

PIN 163000–68–6918 SELF-INSPECTION, RECORD KEEPING AND REPORTING DEED BOOK 6111, PAGE 554

PSETYRRED: SEREANS PRESHOACRES Self-inspections are required during normal business hours in accordance with the table below. When adverse Weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a perform the inspection of the performance of the performa

be noted in the Inspection Record. TOTAL LAND DISTURBANCE: 1.92 ACRES Frequency

þ	ONED: RA	(during normal business hours)	Inspection records must include:		
SE	(1) Rain gauge Ti BAGK S ied in	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend		
	Organd worbing order DE − 9'		holiday periods, and no individual-day rainfall information available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection		
	DE(TOTAL) - 1	[_	needed). Days on which no rainfall occurred shall be recorded "zero." The permittee may use another rain-monitoring devi		
	DE(CORNER) -	15'	approved by the Division.		
R	AB) E&s&8	At least once per	Identification of the measures inspected,		
	Maacurac	7 calandar daus	2 Date and time of the increation		

ALL LOTS SHALL BEN SETWED BY JOHNSTON COUNTY MUNICIPAL WATER TAND

A Indication of whether the measures were operating

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A Indication of whether the measures were operating to the measures.

6. Description, evidence, and date of corrective actions taken. 13) \$NN\$TWALE THE LESSEMBEORAR Y1. ODN\$TRUCTION OF BANGE. Inspected, 29-11/NSTALL FROSTION CONTROL NATIONAL BUTTERS STORE S | putalledSDO

3) COMPLETE eN 2 Abjustation,

4. Evidence of indicators of stormwater pollution such as oil

3) COMPLETE eN 2 Abjustation,

Osheel Thomas Abjustation and the stormwater pollution such as oil LAND SITE SWALLFAIRWITH ASSOCIALTED LEROUS CHIMCONTROLLE SITE. | PROTECTION | BEFORE | BEGINNIN@sSipTon,@RADNIN@d date of corrective actions taken 4 Perinager of Oper hast once per If visible sedimentation is found outside site limits, then a record

5th GRADE SITE Callendar days
6 GRASS AREAS of HAN WILL NQ it BEnit QISTURBED. ') INSTALL 以鸭門紅頸 inch in 2. Description, evidence, and date of corrective actions taken, and

PLACE BASE OURSE. 3. An explanation as to the actions taken to control future 8) SSEED OAND AMALICHE ALL AREA STREAM OF REPAYIDES REPAYANTINE SEDIMENTATION OF A GRIGHINDGQVER CANATAHINAVI 4 WORKAHNGS WANKS CREEGULLOAMING COM THE CONSTRUCTIO | @COMMARDEFTION | @MEd WAMNIN 2 PHASFactONTLY (CIRCA D) hebOp d of NND foWd Willed Nn all 4e made:

WORKING DAYSUGRI 3901 CALENDAR INDIAN SIDEN WHICH ENER COPERIOD CTIONS taken, and ISCOSILIER FOR THE COMPRESSION OF THE POINT AFTER PROPERTY OF THE POINT AFTER POINT AFTER PARTY OF THE PARTY OF THE POINT AFTER PARTY OF THE POINT AFTER PARTY OF THE PARTY OF THE PARTY OF THE POINT AFTER PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE POINT AFTER PARTY OF THE FERMANENT GROUND COVER ISran SEA Buit SHED pletion of all land-disturbing IO) NO SEDIMENT OR EROSIONICIONITRIBULCIMENSURESPIARE PErmanent

INSPECTOR. measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

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

following criteria have been met:

TO BE REMOVED WITHOUT THE TOPP 解でいる OF A JCPU 12. Documentation that the required ground stabilization

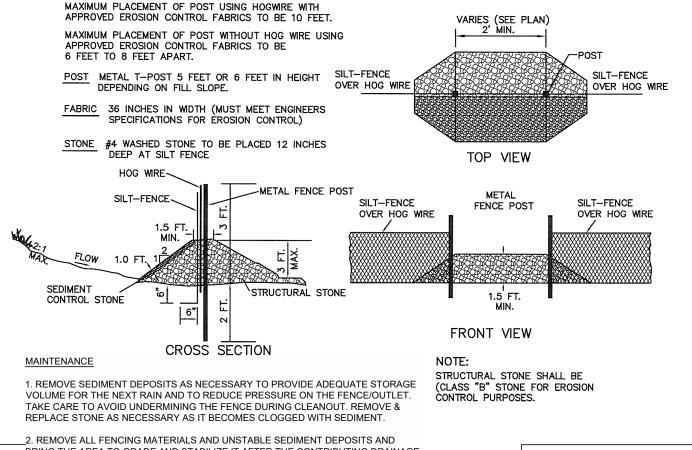
PURSUANT TO G.S. 143-215.1 ALL PERIMETER DIKES, SWALES, PART II. SECTION G. ITEM (4) DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER infeathe NA eBrown through the Structure of the Surface withdrawals from sediment basins shall be allowed only when all of the

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

(f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States. NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

| EFFECTIVE: 04/01/19



BRING THE AREA TO GRADE AND STABII IZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED

TEMPORARY STONE OUTLET FOR SILT FENCE

NOT TO SCALE) MAINTAIN BERM & VALLEY TO PREVENT SEDIMENT LADEN WATER FROM LEAVING SITE

TEMPORARY CONSTRUCTION ENTRANCE

MUD AND SEDIMENT ARE NOT REMOVED BY VEHICLES TRAVELING OVER THE GRAVEL, THE TIRES SHOULD BE WASHED. WASHING

CONSTRUCTION SPECIFICATIONS

. CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY SHOWN ON THE PLANS, AND SMOOTH IT. PROVIDE DRAINAGE TO CARRY WATER TO SEDIMENT TRAP OR THER SUITABLE OUTLET. USE GEOTEXTILE FABRICS BECAUSE THEY IMPROVE STABILITY WATER TABLE.

MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH 2-INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCUTRE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY, IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO

DESIGN CRITERIA AGGREGATE SIZE - USE 2-3 INCH WASHED STONE.

DIMENSIONS OF GRAVEL PAD: THICKNESS: 6 INCHES MINIMUM 12-FEET MINIMUM OR FULL WIDTH AT ALL POINTS OF VEHICULAR ENTRANCE AND EX AREA. WHICHEVER IF 50-FEET MINIMUM

LOCATION - LOCATE CONSTRUCTION ENTRANCES AND EXITS TO LIMIT SEDIMENT FROM LEAVING THE SITE AND TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES. AVOID STEEP GRADES, AND ENTRANCES AT CURVES IN PUBLIC ROADS WASHING - IF CONDITIONS AT THE SITE ARE SUCH THAT MOST OF THE

SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AREA. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE

PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH

PUBLIC ROADWAYS.

IMMEDIATELY AFTER SEED AREA SOWN, MULCH THE ENTIRE AREA EVENLY WITH A LAYER OF WHEAT STRAW TO PROTECT AREA FROM EROSION. MULCH TO BE APPLIED AT A RATE OF 75-100 LBS. PER 1000 SQUARE FEET

THE MULCH SHALL BE HELD IN PLACE BY EMULSIFIED ASPHALT BINDER ON SLOPES 2 TO 1 OR STEEPER, OR AS REQUIRED. APPLY ASPHALT AT 0.10 GALLON PER SQUARE YARD. IN HEAVY TRAFFIC AREAS, USE TYPE "RS" OR 'CRS" TO MINIMIZE REMOVAL OF TACK COAT. SYNTHETIC BINDERS MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR THE MULCH. TEMPORARY CHANNEL LININGS IF REQUIRED SHALL BE INSTALLED IN AREAS AS SHOWN ON PLANS, OR AS REQUIRED TO PREVENT EROSION. LININGS AREA TO BE LEFT IN PLACE THROUGHOUT PERMANENT SEEDING PROCEDURE.

<u>INTENANCE</u> TEMPORARY SEEDING: RESEED AND MULCH AREAS WHERE SEEDLING EMERGENCE IS POOR, OR WHERE EROSION OCCURS, AS SOON AS POSSIBLE. DO NOT MOW. PROTECT FROM TRAFFIC AS MUCH AS POSSIBLE.

GENERALLY, A STAND OF VEGETATION CANNOT BE DETERMINED TO BE FULLY ESTABLISHED UNTIL SOIL COVER HAS BEEN MAINTAINED FOR ONE MAKE NECESSARY REPAIRS AND RESEEDINGS WITHIN THE SAME SEASON, IF

RESEEDING--IF A STAND HAS INADEQUATE COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER RE-ESTABLISH THE STAND AFTER SEEDBED PREPARATION OR OVER-SEED HE STAND. CONSIDER SEEDING TEMPORARY, ANNUAL SPECIES IF THE TIME OF YEAR IS NOT APPROPRIATE FOR PERMANENT SEEDING.

NOTE: Pursuant to G.S. 113A-57(2), the angle for graded slopes and fills shall be no greater than the angle that can be retained by vegetative cover or other adequate erosion—control devices or structures. In any event, slopes left exposed will, within 14 calendar days of completion of any phase of grading be planted or otherwise provided with temporary or permanent ground cover, devices, or structures sufficient to restrain erosion. Pursuant to G.S. 113A-57(3), provisions for permanent ground cover sufficient to restrain erosion must be accomplished for all disturbed areas within 14 working days or 90 calendar days (whichever is shorter) following completion of construction

VEGETATION MANTAINANCE:
IF A STAND HAS INADEQUATE COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. RE—ESTABLISH THE STAND AFTER SEEDBED PREPARATION OR OVER—SEED THE STAND. CONSIDER SEEDING TEMPORARY, ANNUAL SPECIES IF THE TIME OF THE YEAR IS NOT APPROPRIATE FOR PERMANENT SEEDING.

SEEDING SPECIFICATIONS

HOROUGHLY CULTIVATE LAWN AREAS BY DISCING TO A DEPTH OF 6" AND RAKING THE SURFACE SMOOTH TO REQUIRED GRADES. APPLY 4,000 LBS. OF AGRICULTURAL LIME PER ACRE AND 1,000 LBS. OF 10-10-10 OR EQUIVALENT FERTILIZER PER ACRE.

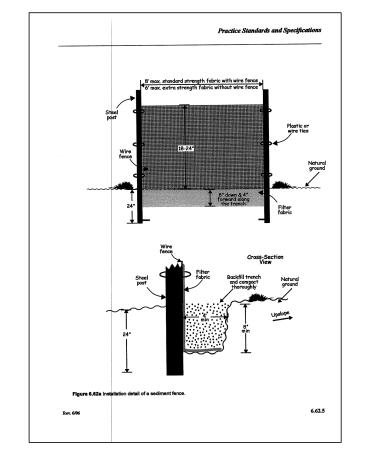
TEMPORARY SEEDING
WHERE TEMPORARY SEEDING IS REQUIRED PRIOR TO SEEDING OF PERMANENT LAWNS OR FILL SLOPES, PROCEED AS FOLLOWS AUG. 15TH-MAR. 1ST SOW RYE GRAIN AT THE RATE OF 20 LBS, PER ACRE

SOW GRAIN MILLET AT THE RATE

OF 40 LBS. PER ACRE. PERMANENT SEEDING

MAR. 1ST-AUG. 15TH

RATE(LBS/ACRE) KOREAN LESPEDEZA <u>OR</u> KOBE LESPEDEZA AND TALL FESCUE NOV 15 - MARCH 1ST TALL FESCUE AND ABRUZZI RYE MARCH 1 - APRIL 15 TALL FESCUE HULLED COMMON BERMUDA APRII 15 - JUNE 30 TALL FESCUE JUNE 30 - AUG 15 AND BROWNTOP MILLET



SILT FENCE DETAIL

CONSTRUCTION

1. CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS. 2. ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 24 INCHES ABOVE THE GROUND SURFACE. (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.)

3. CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER
TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER CLOTH ONLY AT A
SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST. 4. SUPPORT STANDARD STRENGTH FILTER FABRIC BY WIRE MESH FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS. EXTEND THE WIRE MESH SUPPORT TO THT BOTTOM OF THE TRENCH. FASTEN THE WIRE REINFORCEMENT, THEN FABRIC ON THE UPSLOPE SIDE OF THE FENCE POST. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH. 5. WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES. 6. EXTRA STRENGTH FILTER FABRIC WITH 6 FEET POST SPACING DOE NOT REQUIRE WIRE MESH SUPPORT FENCE. SECURELY FASTEN THE FILTER FABRIC DIRECTLY TO POSTS. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH. . EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER (FIGURE 6.62a). 8. PLACE 12 INCHES OF THE FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH. 9. BACKFILL THE TRENCH WITH SOIL PLACED OVER THE FILTER FABRIC AND COMPACT. THOROUGH COMPACTION OF THE BACKFILL IS CRITICAL TO SILT FENCE PERFORMANCE.

10. DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.

<u>INSTALLATION SPECIFICATIONS</u>

1. THE BASE OF BOTH END POSTS SHOULD BE AT LEAST ONE FOOT HIGHER THAN THE MIDDLE OF THE FENCE. CHECK WITH A LEVEL IF NECESSARY. 2. INSTALL POSTS 4 FEET APART IN CRITICAL AREAS AND 6 FEET APART ON STANDARD 3. INSTALL POSTS 2 FEET DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER 4. INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FABRIC

11. NO MEASURES ARE TO BE REMOVED UNTIL DENR APPROVAL.

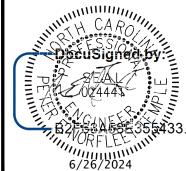
OF FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1 INCH VERTICALLY APART. ALSO, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING. WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES. NO MORE THAN 24 INCHES OF A 36 INCH FABRIC IS ALLOWED ABOVE GROUND LEVEL . THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE 9. COMPACTION.

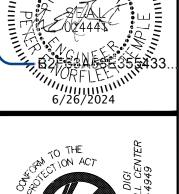
9. COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEASY 60 POUNDS PER SQUARE INCH. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF 4 TRIPS.

MAINTENANCE INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE,

REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE

REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY



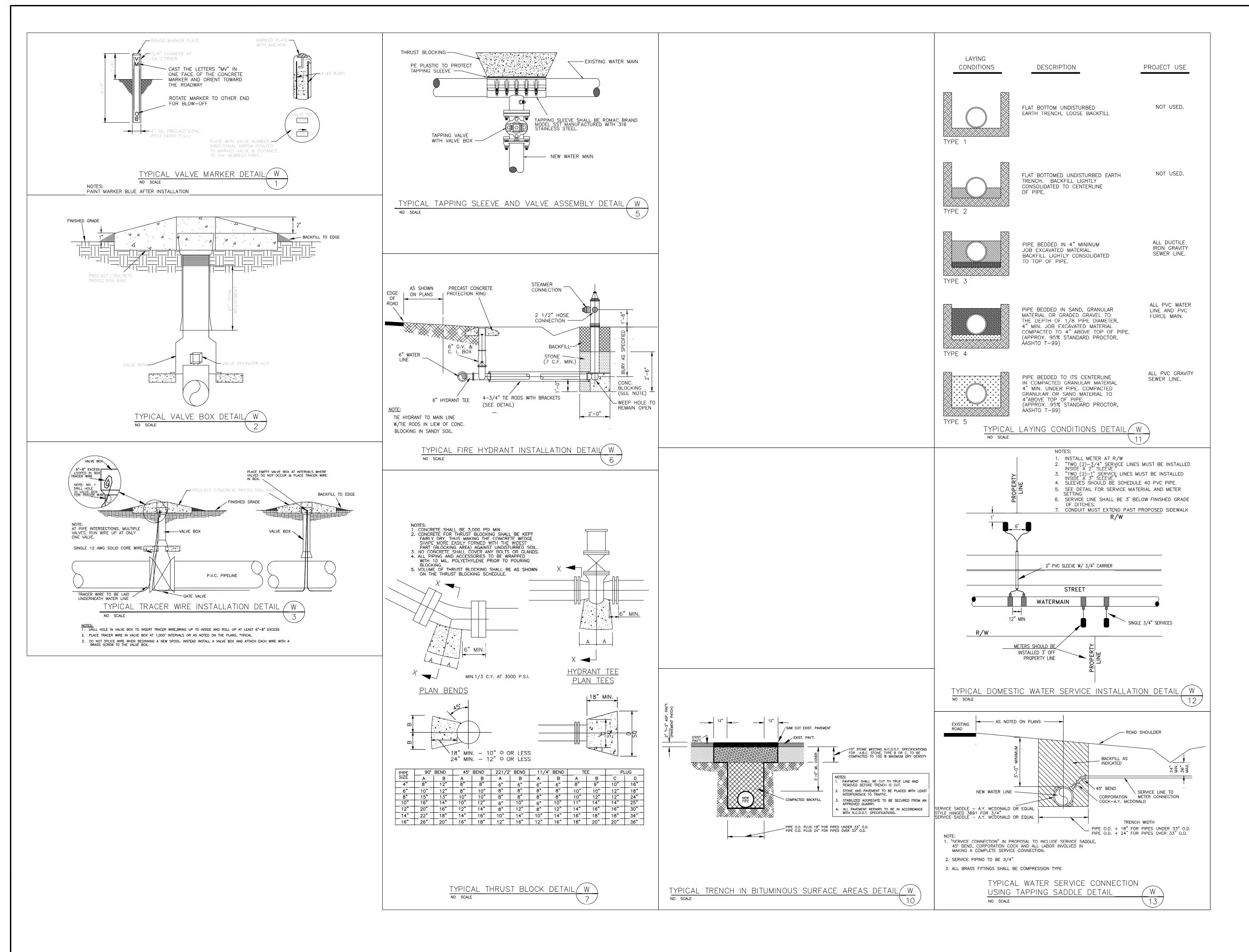


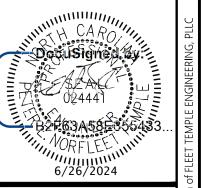


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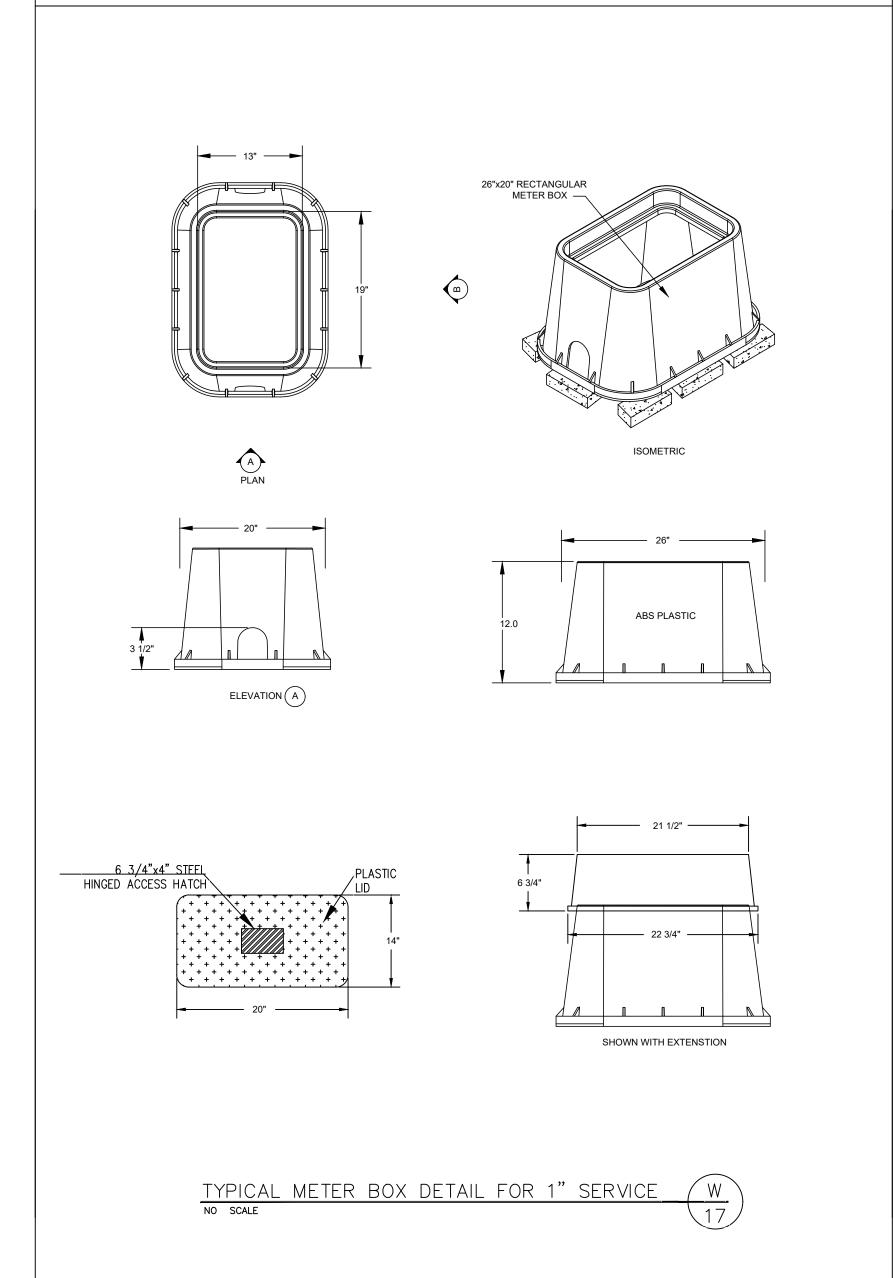




LOCATION:	G 1300 U 00CF 43	SN 1703 - NODGES CHAPEL ND. AVERASBORO TOWNSHIP	HARNETT COUNTY	PROPERTY OWNER/DEVELOPER:	JPF PROPERTIES LLC	PO BOX 1207 DLIMN MC 28335-1207	70117, 147 50000-1201

5	5245 Red Hill 910.658.2446
	(2)
K BODIES	ATE: 06.26.2024

DETAIL TRUCK \sim Ы



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

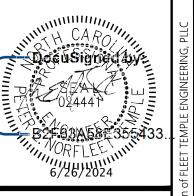
- A. The Fire Marshal's Office shall approve all hydrant types and locations in new subdivisions. However, Harnett Regional Water (HRW) prefers the contractors to install one of the following fire hydrants: 1. Mueller - Super Centurion 250 A-423 model with a $5\frac{1}{4}$ " main valve opening three way (two hose nozzles and one pumper nozzle);
- 2. American Darling Mark B—84—B model with a 5¼" main valve opening three way (two hose nozzles and one pumper nozzle): 3. Waterous — Pacer B-67-250 model with a $5\frac{1}{4}$ " 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
- 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

operation, shall become the responsibility of the Utility Contractor for correction. Corrections will be monitored by

- 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 Everette, 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 finish 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
- 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 distan potable ce 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 sep aration and with ductile iron pipe when designed to be placed under a nonpotable water 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 state 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.

orders must be approved by HRW and the Professional Engineer (PE) in writing and properly documented in the red

- K. Potable water mains installed parallel to none potable 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 shaestablished. Il 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 fivofway and at least three (3') to e (5') feet from the property line between the lots.
- M. HRW requires that meter boxes for 3/4" 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" I ong 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 cove rs in the center of
- 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 yault 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 piping and valve vault 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 for removal and replacement in the future. Two (2) independent ¾" 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 Romac 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 "Megalug" 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. Glued pipe joints are not allowed on 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
- 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 utilities and their 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 tests 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.







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<u>GENERAL</u>

- 1. THESE DRAWINGS ARE TO BE COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND CIVIL DRAWINGS.
- 2. 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.
- 3. 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

- 1. 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.
- 2. 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.
- 3. CONSTRUCTION SAFETY: THESE STRUCTURAL DRAWINGS DO NOT CONTAIN NECESSARY COMPONENTS FOR SAFETY DURING CONSTRUCTION.

FOUNDATIONS

- 1. 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.
- 2. 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.
- 3. 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, TANDEM AXLE DUMP TRUCK OR SIMILAR RUBBER TIRED 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).
- 4. WHEN BOTTOM OF FOUNDATIONS ARE AT OR BELOW THE GROUND WATER TABLE, PROPERLY DEWATER THE FOUNDATION EXCAVATION PRIOR TO PLACING CONCRETE.
- 5. 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

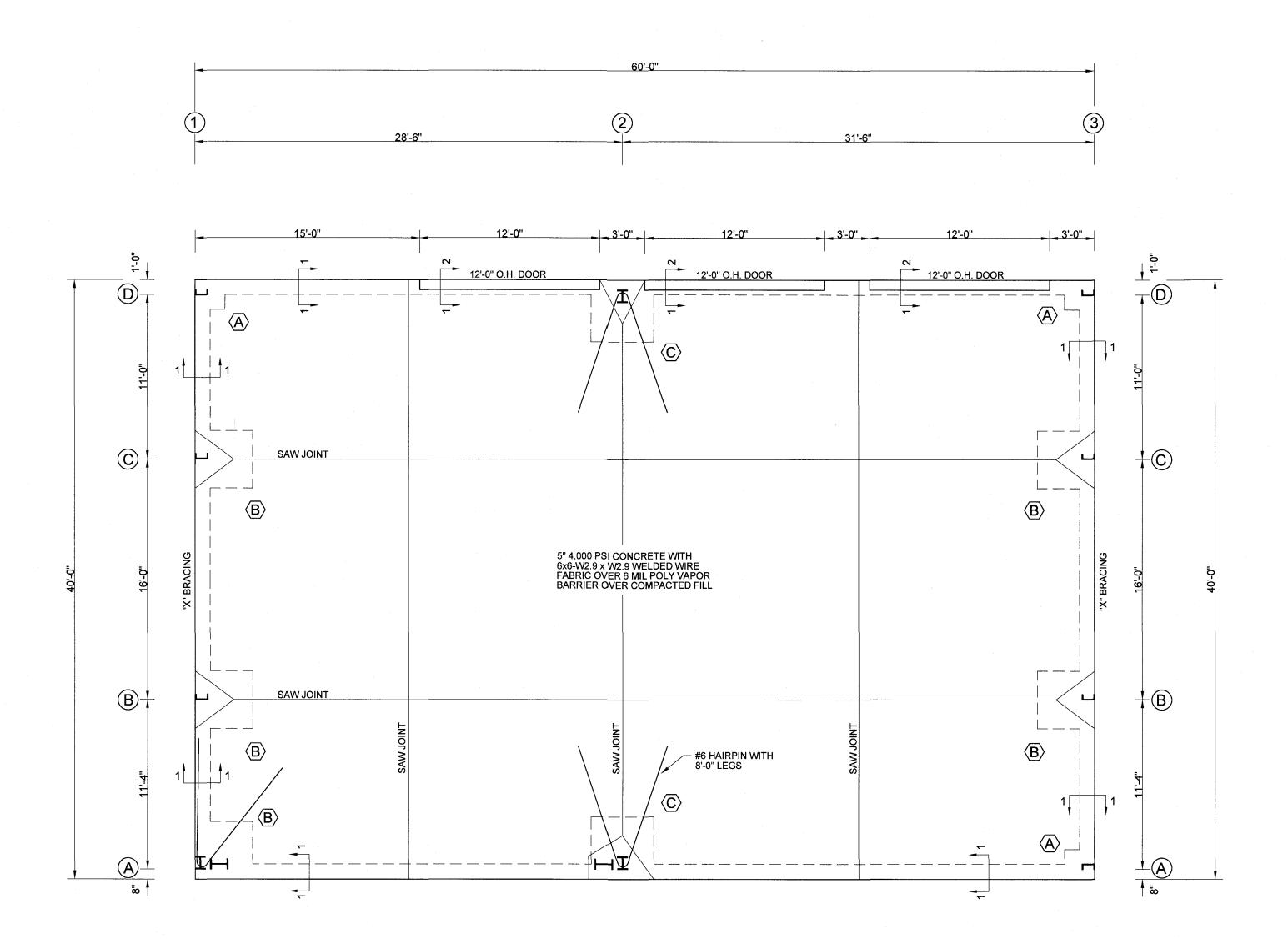
- 1. REINFORCED CONCRETE WORK SHALL COMPLY WITH BOTH "SPECIFICATIONS FOR STRUCTURAL BUILDINGS" ACI 301 AND "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318
- 2. CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304R.
- 3. DURING HOT WEATHER THE CONTROL OF CONCRETE PLACEMENT, PROTECTION AND CURING SHALL COMPLY WITH ACI 305R.
- 4. WHEN THE MEAN DAILY TEMPERATURE IS BELOW 40 DEGREES F THE CONTROL OF PLACEMENT, PROTECTION AND CURING SHALL COMPLY WITH ACI 306R.
- 5. CONCRETE SHALL HAVE NORMAL WEIGHT AGGREGATE AND A MINIMUM COMPRESSIVE STRENGTH (Fc) AT 28 DAYS AS LISTED BELOW.
 5.1 FOOTINGS 3000 PSI
 - 5.2 SLABS-ON-GRADE 3000 PSI
 - ALL CONCRETE THAT WILL BE E
- 5. 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 FOOTINGS 5%
 6.2 INTERIOR SLABS 0%, SEE NOTE BELOW
- 6.3 EXTERIOR SLABS 5%

 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.
- 7. CONCRETE SLABS ON GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302.1R-96 "GUIDE FOR CONCRETE SLAB AND SLAB CONSTRUCTION"
- 8. CONTROL JOINTS SHALL BE SPACED IN SLABS ON GRADE AT A MAXIMUM OF 20'-0" O.C. UNLESS OTHERWISE NOTED.

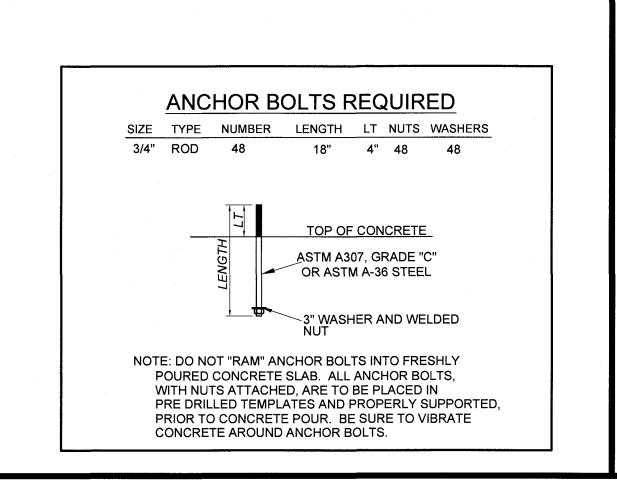
REINFORCING STEEL

FOOTING.

- 5. 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.
- 6. 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"
- 7. PROVIDE CLASS 3 BAR AND MESH SUPPORTS.
- 8. DETAILING, FABRICATION AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 315 (LATEST EDITION) MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES.
- 9. 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.
- 10. 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.
- 11. 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







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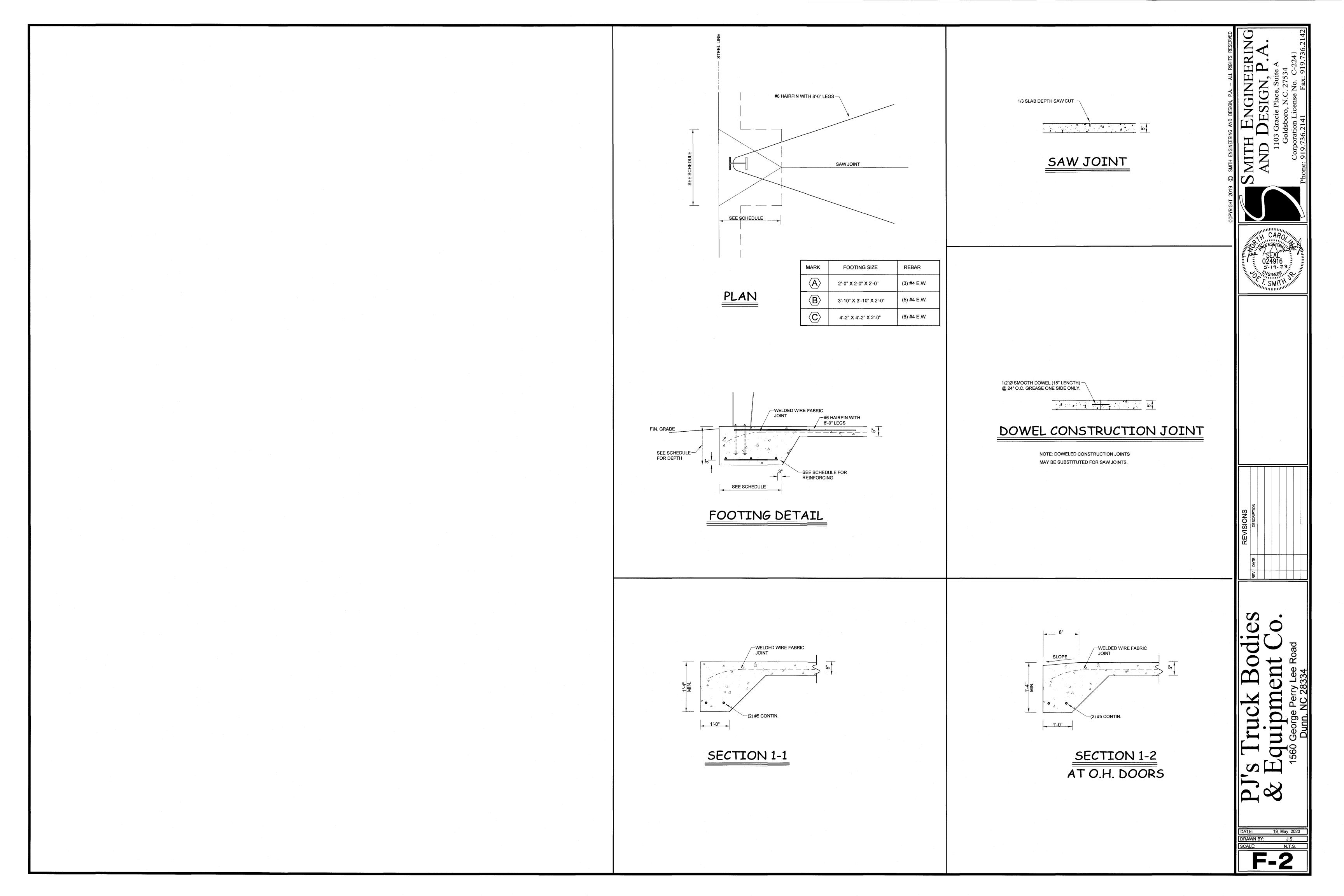
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DATE: 19 May 2023

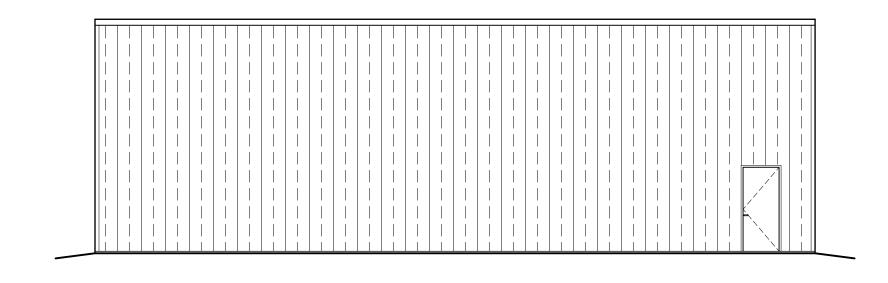
3/16" = 1'-0"





LEGEND

FIRE EXTINGUISHER



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

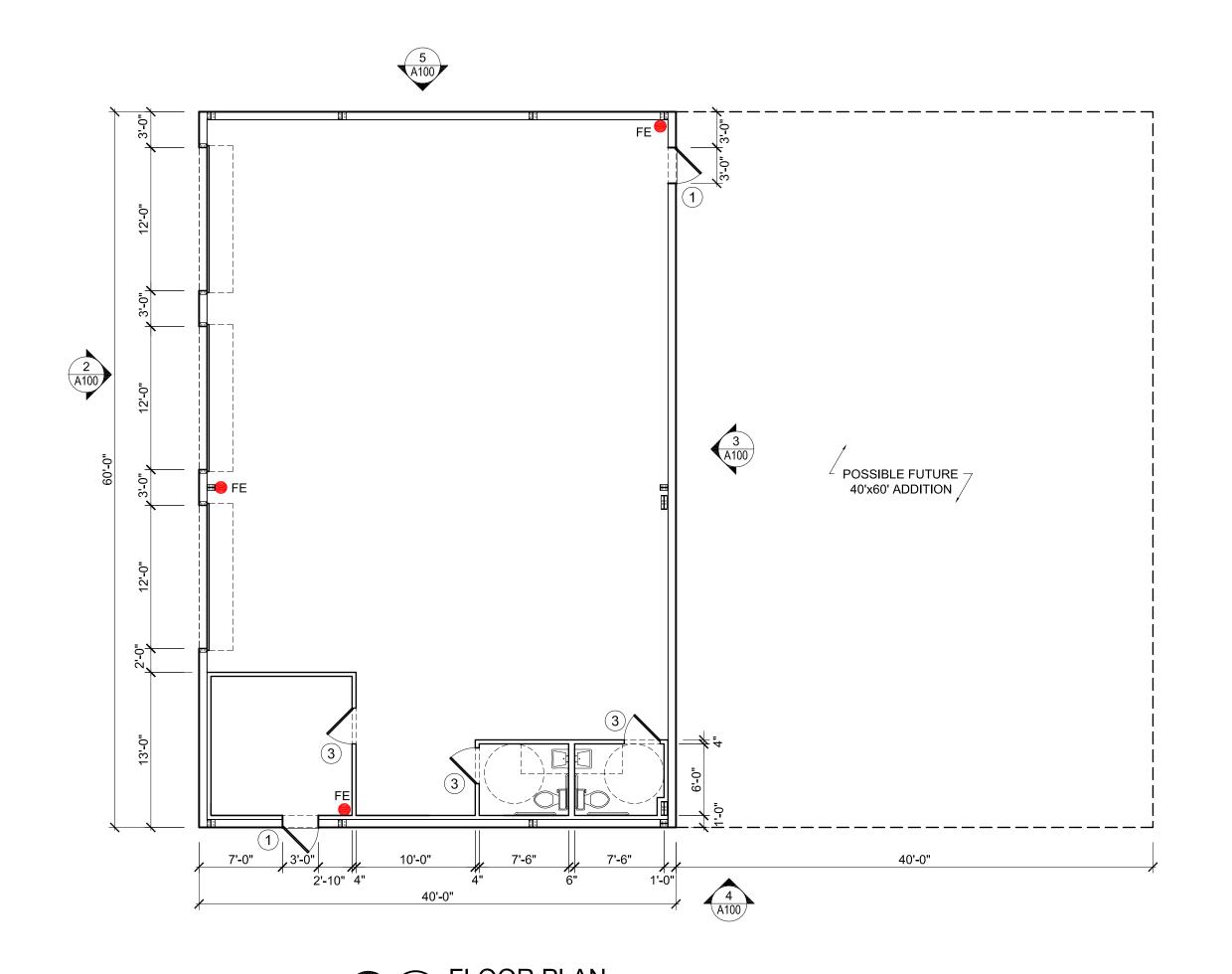
NOTES: 1. Field verify

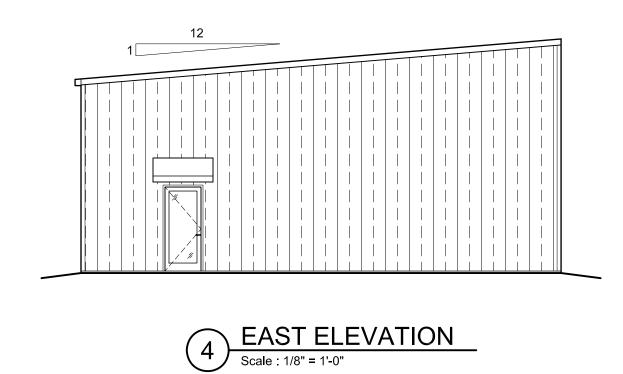
1. Field verify all dimensions and conditions.

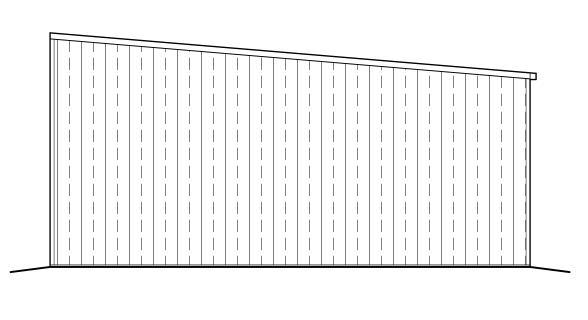
All work is to be done in accordance with the current version of the NC Building Code.

 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			







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

Permit Set

11 10 20

1560 George Perry Lee Rd. Dunn, NC 28334

Telephone: 910.892.5286 Fax: 910.891.4396

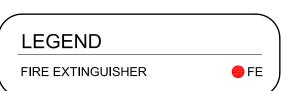
Email: jonas@pjstruckbodies.com Website: www.pjstruckbodies.com

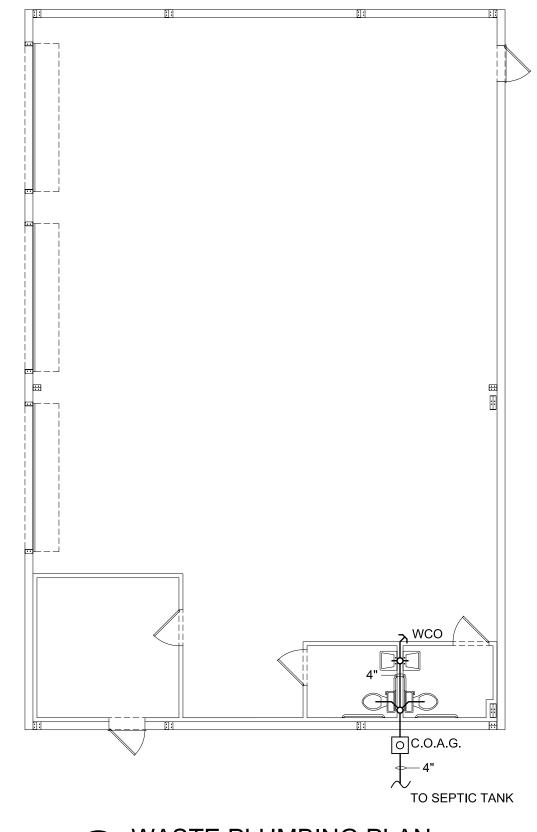
FLOOR PLAN & ELEVATIONS

PLUMBING SCHEDULE						
DESCRIPTION	SYM	BOL				
COLD WATER			CW			
HOT WATER -			— HW			
HOT WATER RECIRC.			HWRECIRC.			
VENT PIPING ————			V			
WASTE PIPING -			— W			
CLEAN OUT @ GRADE	0	C.O.A.G.				
FLOOR CLEAN OUT	0	F.C.O.				
FLOOR CLEAN OUT	0	F.C.O.				
NON FREEZE HOSE BIBB		NFHB				
FLOOR DRAIN	0	F.D.				
CHECK VALVE	$- \nearrow -$					
BALL VALVE	⋈					
GATE VALVE	\bowtie					
SHUT-OFF VALVE	H					
BACKFLOW PREVENTER	\rightarrow					
FIXTURE DESIGNATION	P					
MOUNTING HEIGHT	МН					
SHOCK ABSORBER W/BALL VALVE SHUT-OFF	\$A	(SIZE PER	R MANUF. MENDATIONS)			
HOSE BIBB	——— ^{HB}	MH=24"	,			

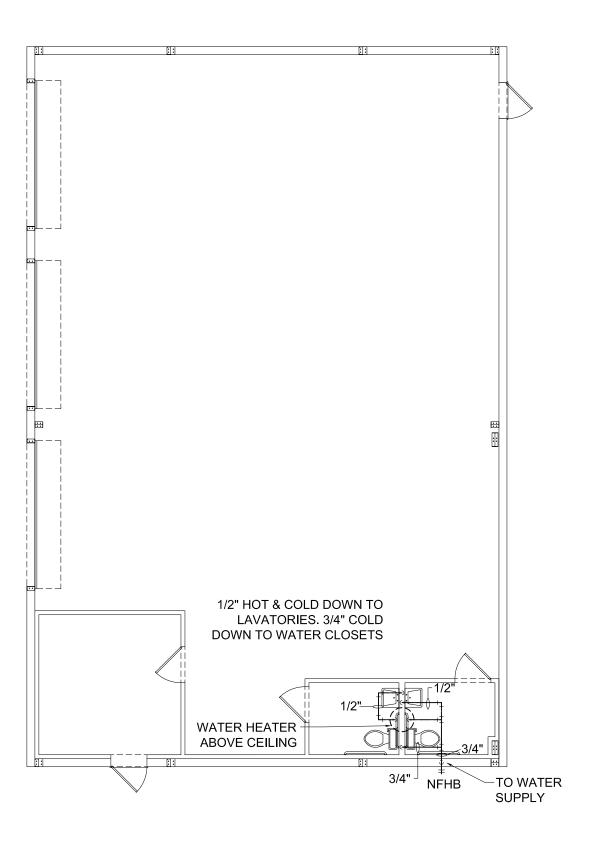
NOTES:

 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.

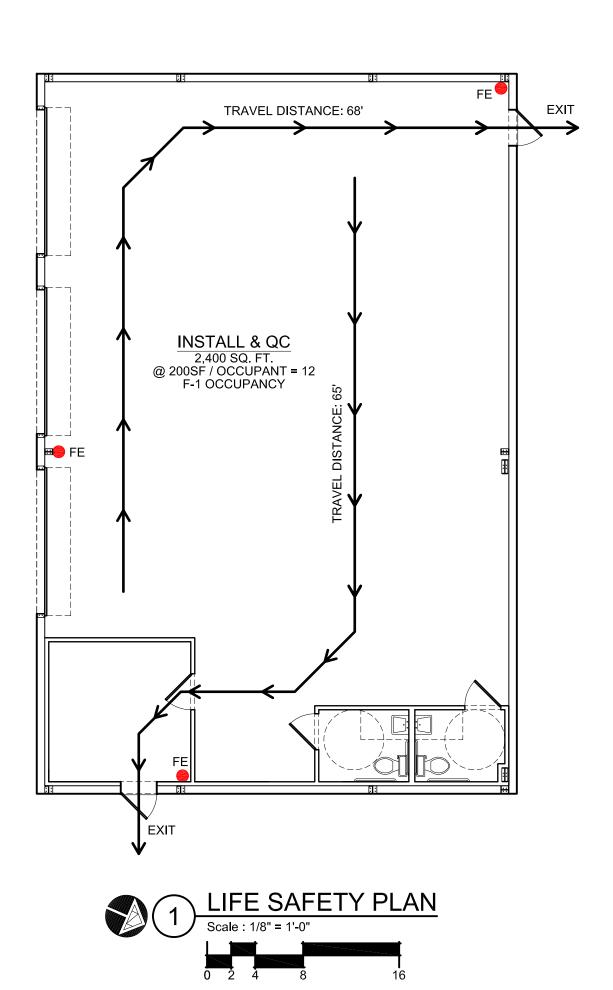












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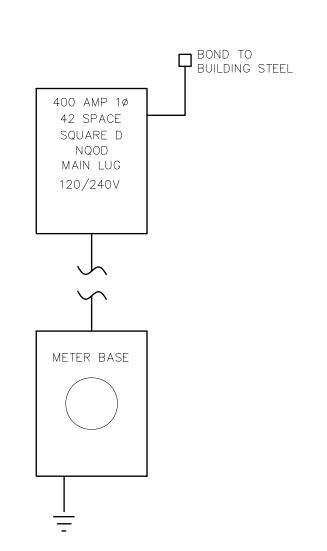
> Website: www.pjstruckbodies.com

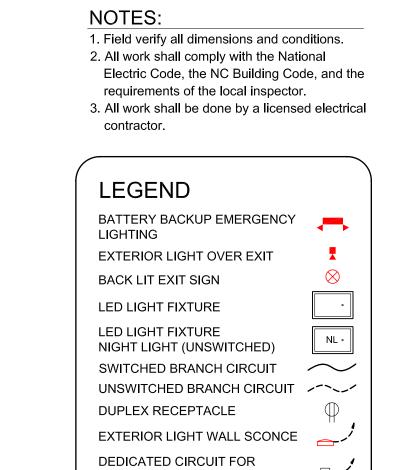
PLUMBING & LIFE SAFETY PLANS

JPF PROPERTIES HODGES CHAPEL RD. BUILDING

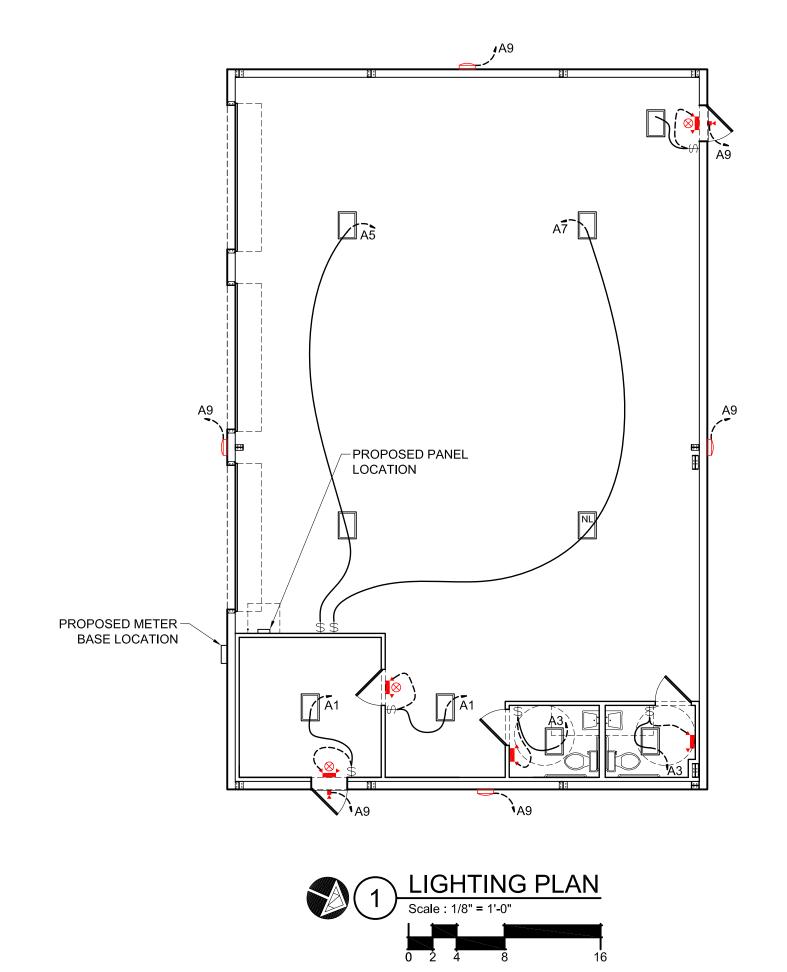
ADDRESS PENDING Dunn, NC 28334

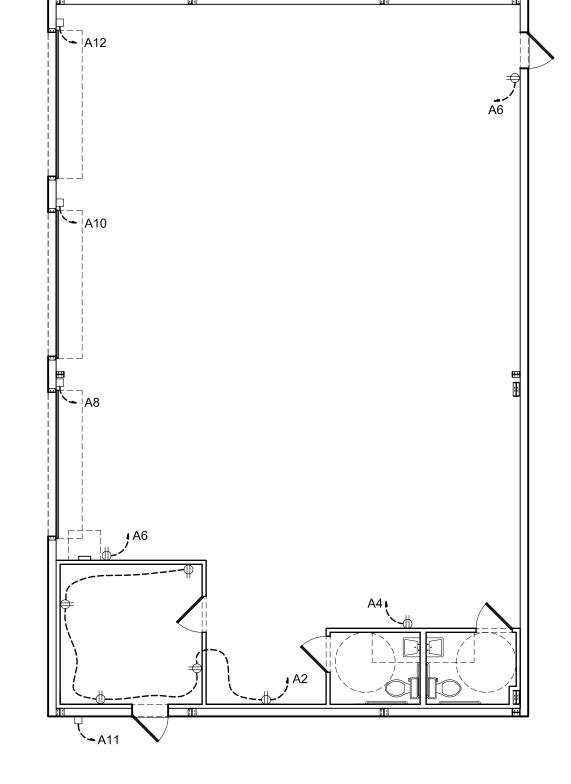
L1	L2	CIRCUIT	POLES	TRIP	ASSIGNMENT	PH.	ASE 7		TRIP	POLES	CIRCUIT	L1	L2
TBD	*	1	1	20	OFFICE LIGHTS	0		OFFICE RECEPTACLES	20	1	2	TBD	*
*	TBD	3	1	20	RESTROOM LIGHTS		0	SHOP RECEPTACLES	20	1	4	*	TBD
TBD	*	5	1	20	SHOP LIGHTS	0		SHOP RECEPTACLES	20	1	6	TBD	*
*	TBD	7	1	20	SHOP LIGHTS		0	ROLLUP DOOR 1	20	1	8	*	TBD
TBD	*	9	1	20	EXTERIOR LIGHTS	0		ROLLUP DOOR 2	20	1	10	TBD	*
*	TBD	11	1				0	ROLLUP DOOR 3	20	1	12	*	TBD
	*	13	1			0				1	14		*
*		15	1				0			1	16	*	
	*	17	1			0				1	18		*
*		19	1				0			1	20	*	
	*	21	1			0				1	22		*
*		23	1				0			1	24	*	
	*	25	1			0				1	26		*
*		27	1				0			1	28	*	
	*	29	1			0				1	30		*
*		31	1				0			1	32	*	
	*	33	1			0				1	34		*
*		35	1				0			1	36	*	
	*	37	1			0				1	38		*
*		39	1				0			1	40	*	
	*	41	1			0				1	42		*
					L L	1 = 2 =	TBD TBD						





ROLLUP DOOR





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

1560 George Perry Lee Rd.
Dunn, NC 28334
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Fax: 910.891.4396
Email:
jonas@pjstruckbodies.com
Website:
www.pjstruckbodies.com

ELECTRICAL LIGHTING & POWER PLANS

BUILDING PROFILE

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

BUILDING LOADS

- THIS IS TO CERTIFY THAT THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY NCBC 18 / IBC 15
- 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 CATEG	ORY	11 - N	ormal	<u>1s</u>	1,0000	<u>le</u>	1.00		
WIND LOAD	ULTIMATE	120	MPH	NOMINA	92.95	<u>5</u> MPH	WIN	D EXPOSURE B	
CLOSURE TYPE		Enclose	ed	INTER	NAL WIND	COEF.	(0.18 / 0.18	
GROUND SNOW LOAD		10.00	PSF	ROOF S	SNOW LOAD	7	PSF	Ce 1.0000	Ct 1.00
SNOW BANKING LOADS		PER CO	DDE						
COLLATERAL DEAD LOAD		0.5	PSF						
ROOF LIVE LOAD		20.00	PSF	(REDUCIBL	E Yes)			
DEAD LOAD		2.000	PSF	(FOR ROOF	F PANELS	AND PUR	⊔NS)		
SEISMIC									
SPECTRAL RESPONSE	Ss 0.18	0 s	1_0.085	50 s	ds 0.193	1 Sd1	0.136	<u>o</u>	
SITE CLASS	D	DES	IGN RIS	K CATEGOR	RY <u>C</u>	_	Cs	0.0644	
RESPONSE MODIFICATION	FACTOR, R	3.000*	FRAME	s <u>3.</u>	000* BR	ACING			
BASIC SEISMIC FORCE R	ESISTING SYS	TEM (LAT	ERAL DI	RECTIONS)	= ORDINA	RY STEEL	MOME	NT_FRAMES	
BASIC SEISMIC FORCE R		•							
BASIC SEISMIC FORCE R	ESISTING SYS	TEM (LO	IGITUDIN	AL DIRECT	ONS) = OF	RDINARY S	STEEL A	MOMENT FRAMES	

ANALYSIS PROCEDURE	=	EQUIVALENT LATERAL FORCE	PROCEDURE			
	SERVICEABILITY	CRITERIA 🔻	STEEL SYSTE SEISMIC RES		SPECIFICALLY DETAILED FO	OR
	MINIMUM DES	IGN DEFLECTIONS				
Endwall Column	= 120	Roof Panel (Live)	=	60		
Endwall Rafter (Live)	= 180	Roof Panel (Wind)	27	60		
Endwall Rafter (Wind)	= 180	Rigid Frame (Horz)	=	60		
Wall Girt	= 90	Rigid Frame (Vert)	=	180		

Rigid Frame (Seismic)

= 50

GENERAL NOTES

= 150

= 150

= 60

Roof Purlin (Live)

Roof Purlin (Wind)

Wall Panel

- 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
- 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 WITHMINIMUM YIELD POINT OF 50,000 PSI. HOT ROLLED W-SHAPED MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM-A992WITH 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 A755 SPECIFICATIONS.
- 7) CABLE UTILIZED FOR BRACING CONFORMS TO ASTM A475. CABLE BRACING IS TO BE INSTALLED TO A TAUT
- 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 "RCSC 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 LINAMBIGLIOUS
- 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
- 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.
- IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE.
- LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS 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,

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
- 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 MANUFACT—
- URER'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 BE INSPECIDED BY ERECUTBY CONTRACTOR IN MEDIATELY UPON ARRIVAL CLAIMS FOR SHORTAGES OR DEFECTIVE MATERIAL BY 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 MISFITS 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.
 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 (MRMA 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



STEEL BUILDINGS, INC.

T IS THE RESPONSIBILITY OF THE CUSTOMER TO PROVIDE ALL DOCUMENTATION REQUIRED FOR ANY ACCESSORIES NOT PROVIDED BY MBM TO THEIR LOCAL PERMITTING OFFICE. ALL ACCESSORIES MUST COMPLY AND MEET ALL DESIGN REQUIREMENTS PER LOCAL CODES.

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 AN ENGINEERING INVESTIGATION AND POSSIBLE BUILDING REINFORCEMENT.

FRAMING COLORS RO - Red Oxide GP - Grey Prime GZ - Golvanized Flange brace: RO Angle: RO W SECTION: RO RO RO RO RO RO

WHEN GALVANIZED PROVIDED: ALL FINISHED PRIMARY BUILT-UP AND HOT ROLL MEMBERS ARE HOT DIPPED GALVANIZED. ALL SECONDARY COLD FORMED MEMBERS ARE PRE-GALVANIZED.



BUILDING DESIGNED & MANUFACTURED BY AN IAS ACCREDITED FACILITY.

BURNISHED SLATE

BURNISHED SLATE

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
		SPECIAL DETAILS

DRAWING INDEX

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

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 ACCOMODATE THE SEISMIC

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

1/1	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
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	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

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

CAN BE PERMITTED BY CODE.

CAN BE PERMITTED BY CODE.

Wayne Brad Baker, P.E.

235 Sanders Rd

ESSAI

SEAI 33446 MINEER BRAD BR ALTERNATIONS 2-3.23

FROM:	RENEGADE STEEL BUILDINGS	2151 HOMER RD.	COMMERCE, GA 30529	
	NO :	787	1	
DATE	:	1/	31/23	
BY :			I SCALE .	

8

PERRY

GEORGE

1560

28334

2

DUNN,

FAIRCLOTH

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JOINOR

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2

DUNN,

IOBSITE:

	JLUKS:		1
ROOF:	CALVALUME	DRAWING STATUS	JO
WALLS:	LIGHT STONE	FOR APPROVAL:	1
GABLE:	BURNISHED SLATE	THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL	D,
EAVE:	BURNISHED SLATE	REPRESENTATION ONLY. THEIR PURPOSE IS TO	B
CORNER:	LIGHT STONE	CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.	 Tr
FRAMED OPENINGS:	LIGHT STONE	FOR PERMIT:	Ι"
GUTTER:	BURNISHED SLATE	THESE DRAWINGS, BEING FOR PERMIT, ARE BY DEFINITION NOT FINAL IN THAT, AS A MINIMUM, PIECE MARKINGS ARE NOT IDENTIFIED ONLY DRAWINGS. ISSUED TO FOR	N

DJH TITLE

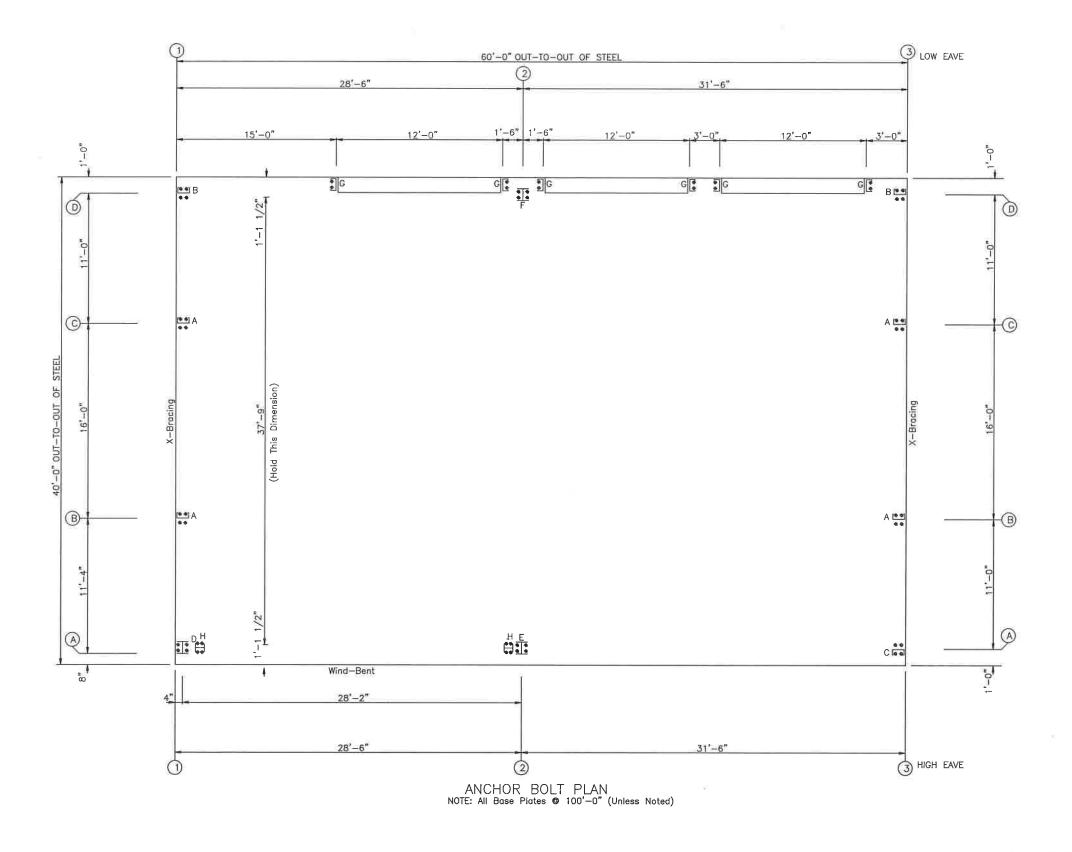
COVER PAGE NUMBER :

NONE

PAGE

CONSTRUCTION " CAN BE CONSIDERED AS COMPLETE.

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



Wayne Brad Baker, P.E. 235 Sanders Rd.

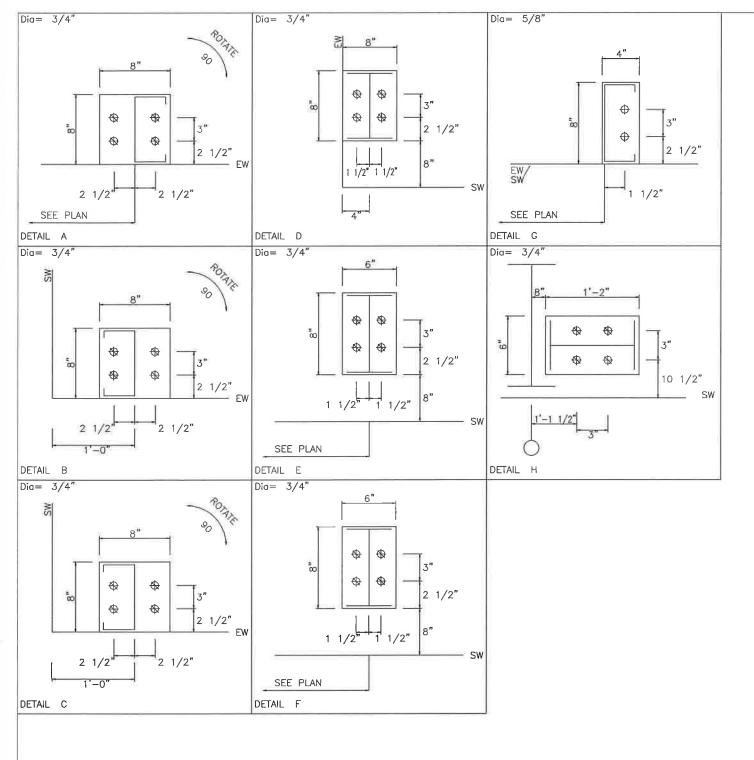
ATA, GA & A CAROLLING THE CAROLLING SEATON S BRAD BANK

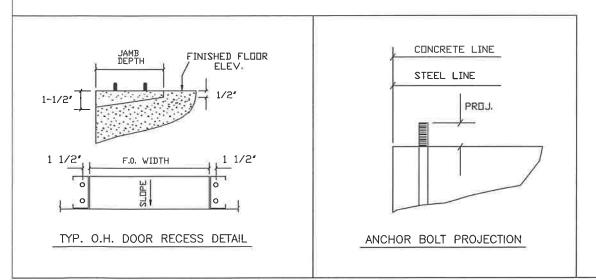
NOTE: ALL FIELD LOCATED FRAMED OPENING LOCATIONS SHALL BE AT THE DISCRETION OF THE ERECTOR/CUSTOMER. IT IS RECOMMENDED THAT THESE ANCHORS BE LOCATED AT TIME OF ERECTION.

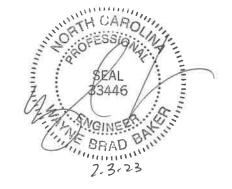
FIELD LOCATE:

(2) 3070 WALKDOORS

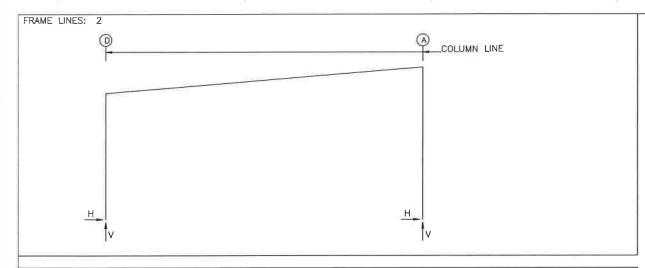
ISSU	DET	CHK	DATE	
RENEGADE STEEL	BUILDING	GS, INC.		
JUNIOR FAIRCLOT	Ή			
ов но: 7871		DATE:	/31/	/23
DUNN, NC 28334	1.			
RAWING NAME ANCHOR BOLT LA	YOUT			
RAWING NO: PAGE 1	DRAWN BY: DJH	SPW	: 5	NONE







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RENEGADE STEE	L BUILDIN	GS, INC.		
JUNIOR FAIRCL	OTH			
ов но: 7871		DATE:	/31/	23
DUNN, NC 283	34			
ANCHOR BOLT	DETAILS			
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RIGID FRAME: ANCHOR BOLTS & BASE PLATES

	Col Line		_Bolt Dia	Base Width	_Plate (i Length	n) Thick	Grout (in)
2	D A	4	0.750 0.750	6.000		0.375	0.0

ı								
	END	WALL	COI	_UMN:	ANC	HOR BOL	TS & B	ASE PLATES
	Frm Line	Col Line	Anc. Qty	_Bolt Dia	Base Width	_Plate (i Length	n) Thick	Grout (in)
ı	1	D	4	0.750	8.000	8.000	0.250	0.0
ı	1	С	4	0.750	8.000	8.000	0.250	0.0
ı	1	В	4	0.750	8.000	8.000	0.250	0.0
ı	1	Α	4	0.750	8.000	8.000	0.375	0.0
l	3	Α	4	0.750	8.000	8.000	0.250	0.0
ı	3	В	4	0.750	8.000	8.000	0.250	0.0
I	3	С	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 REACTION Building reactions are based the following building data: Width (ft) Length (ft) Eave Height (ft) Roof Slope (Rise/12) Dead Load (psf) Collateral Load (psf) Roof Live Load(psf)	
Frame Live Load(psf) Snow Load (psf) Wind Speed (mph) Wind Code Exposure Enclosed/Open/Partial Importance Wind Importance Seismic Seismic Zone Seismic Coeff (Fa*Ss)	= 12.0 = 7.0 = 120.0 = NCBC 18 (IBC 15) = B

BUILD	ING BR	ACING	RE	ACTIO	SNC			
	— Col ne Line	± Wi Horz	React nd — Vert	ions(k —Sei Horz) smic — Vert	Panel_ (lb/ Wind	Shear ft) Seis	Note
L_EW F_SW	1 C,B A 1,2	5.2	5.6	0.7	0.7			(a)
R_EW .	A 1,2 3 B,C D Torsio	3.2 nal Brac			0.3			. ,
(a)Wind	bent in bo	ıy						

F	RIGID	FRAN	ИЕ: в	BASIC COL	UMN RE	ACTIONS ((k)								
	rame ine	Column Line D A	Horiz 0.6 -0.6	-Dead Vert 2.0 2.0	Colle Horiz 0.1 -0.1	vert 0.4 0.4	Horiz 3.3 -3.3	Live Vert 9.0 9.1	Horiz 1.9 –1.9	-Snow Vert 5.2 5.3	-—-Wind Horiz -9.6 -1.1	_Left1- Vert -16.4 -12.3	-Wind_ Horiz 3.2 8.0	Right1- Vert -6.2 -12.0	
	rame ine	Column Line D A	Wind Horiz -10.3 -0.3	Left2- Vert -10.4 -6.4	-Wind_ Horiz 3.1 8.1	Right2- Vert -0.2 -6.0	Wind Horiz -3.0 -0.3	_Long1- Vert -15.7 -12.9	Wind Horiz 2.8 0.9	_Long2- Vert -7.5 -10.7	-Seism Horiz -0.3 -0.2	ic_Left Vert -0.2 0.2	Seismic Horiz 0.3 0.2	_Right Vert 0.2 -0.2	
	rame ine	Column Line D A	-Seismi Horiz -0.4 -0.3	ic_Long Vert -0.3 0.3	-MIN_S Horiz 2.7 -2.7	NOW Vert 7.5 7.6									

LEVID	NA/A I		LIKKKI.				<i>(</i> :)						
END	WAL	L CUI	_UMN:	BASIC (COLUMN R	EACTIONS	` '	W*	14/*d	Mart - al	Wr. a	MC	W*
Frm Line 1 1 1	Col Line D C B A	Dead Vert 0.2 0.6 0.6 0.4	Collat Vert 0.0 0.1 0.1 0.0	Live Vert 1.3 4.4 4.4 1.4	Snow Vert 0.5 1.6 1.6 0.5	Wind Left1 Vert -1.4 -5.1 -5.3 -1.4	Wind Right1 Vert -1.0 -2.8 -3.1 -1.0	Wind Left2 Vert -0.8 -3.4 -3.6 -1.0	Wind Right2 Vert 0.4 1.1 1.3 0.6	Wind Press Horz -0.9 -2.1 -2.2 -2.5	Wind Suct Horz 1.0 2.3 2.5 2.8	Wind Long1 Vert -1.7 -5.1 -5.1 -1.4	Wind Long2 Vert -1.1 -3.1 -3.1 -0.8
Frm Line 1 1 1	Col Line D C B A	Seis Left Vert 0.0 0.0 0.0	Seis Right Vert 0.0 0.0 0.0	Seis Long Vert 0.0 0.0 0.0	-MIN_S Horz 0.0 0.0 0.0 0.0		T1PAT_SL_1 lorz Vert 0.0 0.3 0.0 0.3 0.0 0.0 0.0 0.0	Horz 0.0 0.0 0.0		0.0		0.4 0.8	
Frm Line 3 3 3	Col Line A B C D	Dead Vert 0.2 0.7 0.7	Collat Vert 0.0 0.1 0.1	Live Vert 1.5 4.9 4.9 1.5	Snow Vert 0.5 1.7 1.7 0.5	Wind Left1 Vert -1.1 -3.3 -3.1 -1.1	Wind Right1 Vert -1.5 -5.8 -5.6 -1.6	Wind Left2 Vert -0.6 -1.4 -1.2 -0.5	Wind Right2 Vert -1.1 -3.9 -3.7 -0.9	Wind Press Horz -1.1 -2.2 -2.1 -0.9	Wind Suct Horz 1.3 2.5 2.3 1.0	Wind Long1 Vert -1.5 -5.6 -1.8	Wind Long2 Vert -0.8 -3.3 -1.1
Frm Line 3 3 3 3	Col Line A B C D	Seis Left Vert 0.0 0.0 0.0	Seis Right Vert 0.0 0.0 0.0	-MIN_S Horz 0.0 0.0 0.0 0.0			t Horz .3 0.0		0.0 0.0 0.0	_3- E2P/ ert Horz 0.3 0.0 0.9 0.0 0.5 0.0 0.1 0.0	0 -0.1 0 0.5 0 0.9		

ANCHOR BOLT SUMMARY

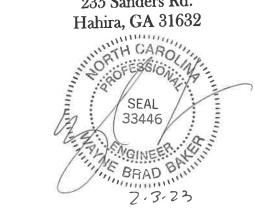
Qty	Locate	Dia (in)	Туре	Projection (in)
⊕ 12	Jamb	5/8"	A307	1.50
⊕ 32	Endwall	3/4"	GR36	1.50
⊕ 8	Frame	3/4"	GR36	2.50
⊕ 8	WindCol	3/4"	GR36	2.50

GENERAL NOTES

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

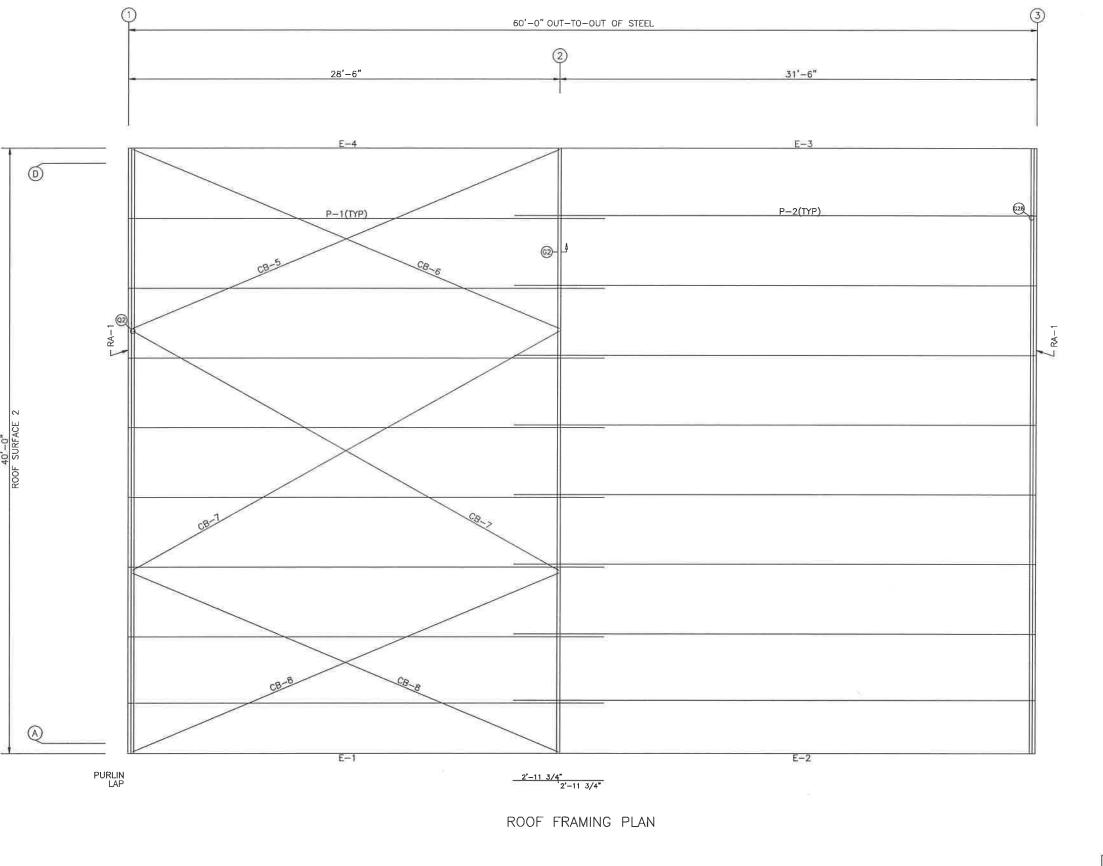
NOTE: THE FRAMING AT BOTH ENDWALLS IS NOT DESIGNED TO ACCOMMODATE FUTURE ADDITIONS. REACTIONS CORRESPONDING TO THESE FRAME LINES REFLECT LOADINGS FOR ACTUAL TRIBUTARY AREA AND ARE NOT INTENDED TO INCLUDE ANY FUTURE MODIFICATIONS UNLESS NOTED OTHERWISE.

> Wayne Brad Baker, P.E. 235 Sanders Rd.

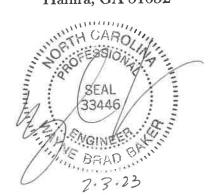


WIND BENT	REACTIONS									
H H	F_SW A	ol Winc ine Horz 1 2.9 2 2.9	± Read (k) Vert 4.0 4.0	Seismi Horz 0.5	Vert 0.6 0.6	Oty 4 4	0.750 0.750	Base_Width 6.000 6.000	Plate(in) Length 14.000 14.000	Thick 0.375 0.375

ISSUE		DET	СНК	DATE
RENEGADE STEEL	BUILDING	S, INC.		
JUNIOR FAIRCLOTH				
7871		DATE:	/31/	/23
DUNN, NC 28334				
ANCHOR BOLT REA	ACTIONS			6.046
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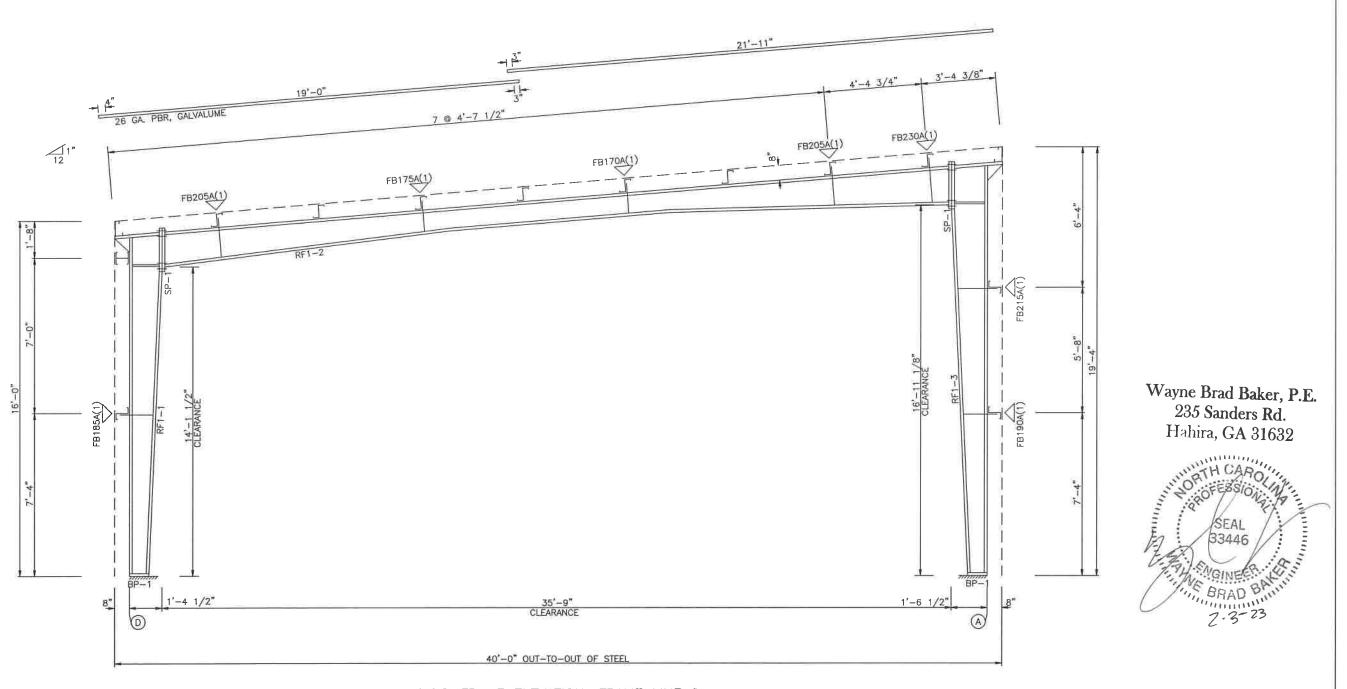
_			
	MEMBER	TABLE	
	ROOF P	LAN	
	MARK	PART	LENGTH
	P-1	8x25Z12	31'-5 1/2"
	P-2	8x25Z12	34'-5 1'/2"
	E-1	8HE14@1	28'-5 1/2"
	E-2	8HE14@1	31'-5 1/2"
	E-3	8LE12@1	31'-5 1/2"
	E-4	8LE14@1	28'-5 1/2"
	CB-5	1/4 CBI	30'-3"
- (CB-6	1/4 CBI	30'-11"
	CB-7	1/4 CBI	32'-7"
	CB-8	1/4 CBL	30'-6"



ISSUE	DET	СНК	DATE
RENEGADE STEEL BUILDING	GS, INC.		
JUNIOR FAIRCLOTH			
JOB NO: 7871	DATE:	/31/:	23
DUNN, NC 28334	***	70.	
ROOF FRAMING LAYOUT			

BASE PLATE TABLE COL PLATE SIZE MARK Width THICK Length	BASE PLATE TABLE COL PLATE SIZE MARK Width THICK Length BP-1 6" 3/8" 8"	BASE PLATE TABLE COL PLATE SIZE MARK Width THICK Length BP-1 6" 3/8" 8"	MARK	Qty Top	Bot	Int	TYPE	DIA	Length
MARK Width THICK Length BP-1 6" 3/8" 8"	COL PLATE SIZE MARK Width THICK Length BP-1 6" 3/8" 8" FLANGE BRACES: (1) One Side; (2) Two Sides	COL PLATE SIZE MARK Width THICK Length BP-1 6" 3/8" 8" FLANGE BRACES: (1) One Side; (2) Two Sides	SP-1	4	4	0	A325	5/8"	2"
MARK Width THICK Length BP-1 6" 3/8" 8"	MARK Width THICK Length BP-1 6" 3/8" 8"	MARK Width THICK Length BP-1 6" 3/8" 8"	BASE PI	ATE T	ABLE				1
BP-1 6" 3/8" 8"	BP-1 6" 3/8" 8"	BP-1 6" 3/8" 8"		Widt			Lengti	h	
✓FLANGE BRACES: (1) One Side; (2) Two S	✓FLANGE BRACES: (1) One Side; (2) Two S	✓FLANGE BRACES: (1) One Side; (2) Two S							
			VFLANC	E BRA	CES:	(1)	One S	iide; (2]) Two S

MEMBER	TABLE	- BARNETTHAN TANAH MARKATAN			- INFORMATION AND ADDRESS OF THE PROPERTY OF T	
MADIC	14/-2-6-6	Web Depth		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"
		16.0/16.0	0.188	1'-8"	5 x 1/4" x 2'-0 5/16"	
RF1-2	563	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"
		9.5/18.0	0.135	12'-9 5/8"		5 x 1/4" x 12"-8 3/8"
RF1-3	316	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

ISSUE		DET	CHK	DATE
ENEGADE STEEL	BUILDIN	GS, INC.		
STOMER: JUNIOR FAIRCLOTH		0.000		
7871		DATE:	/31/	23
DUNN, NC 28334				
RIGID FRAME CRO	SS SECTIO	N		
AWING NO. PAGE 2.1	DRAWN BY:	SPW SPW	: S0	NONE

 SPLICE BOLTS

 Splice Mark
 Quan Top/ Bot Type Dia Length

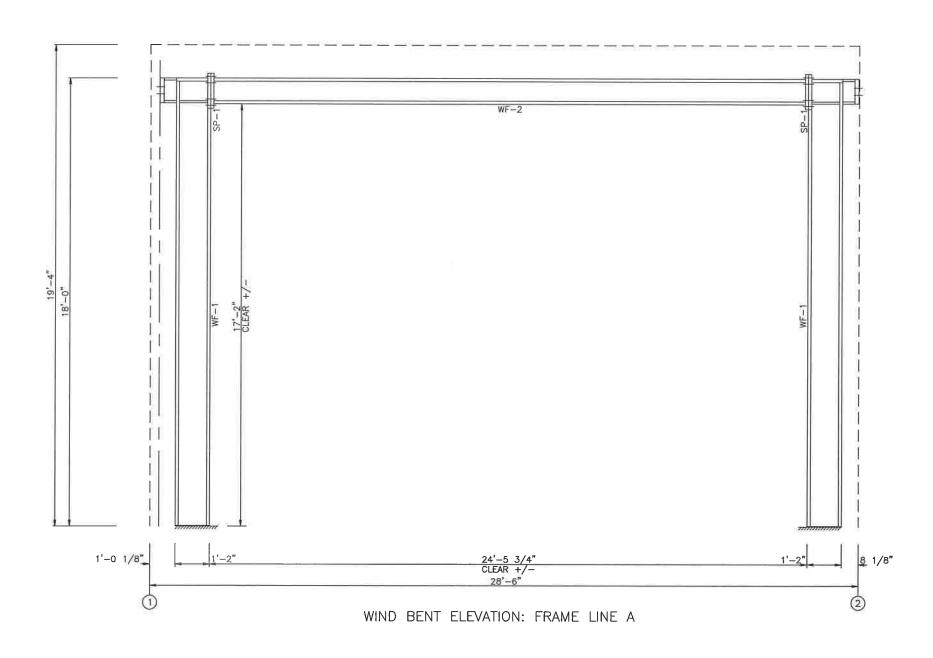
 SP- 1
 4
 4
 A325
 5/8" 2"

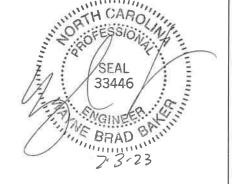
MEMBER SIZE TABLE

MARK MEMBER LENGTH

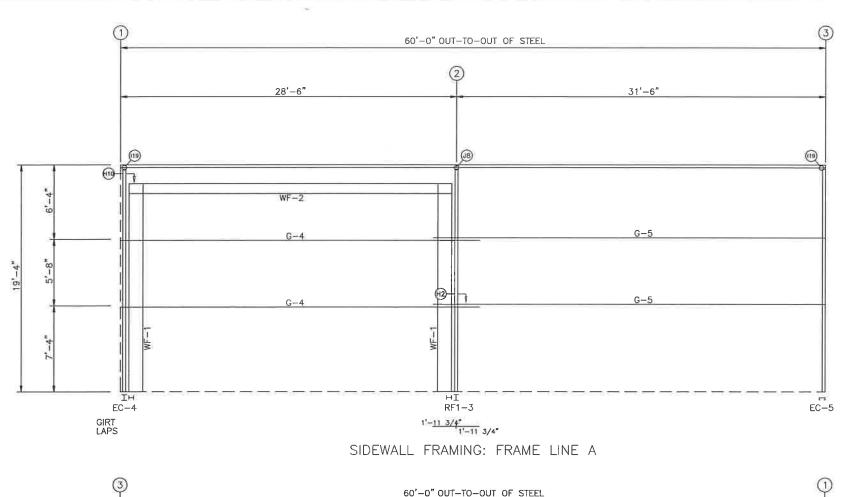
WF-2 B10651 24'-5 1/4"

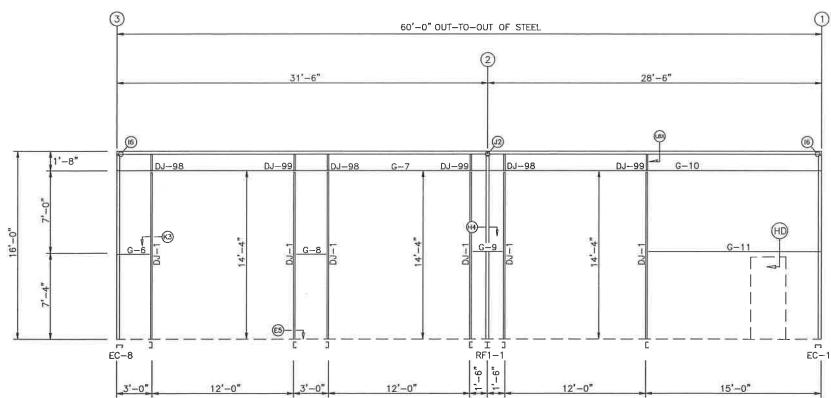
WF-1 B14641 18'-0"



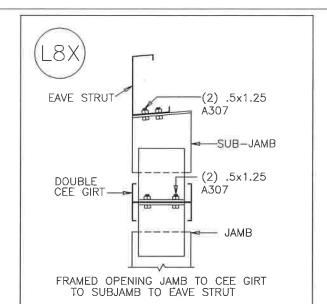


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ISS	UE	DET	CHK	DATE
		_	_	
RENEGADE STEEL	BUILDIN	GS, INC.		
JUNIOR FAIRCLO	ТН			
08 NO: 7871		DATE:	/31/	/23
DUNN, NC 2833	4			
RAWING NAME: RIGID FRAME CR	OSS SECTIO	N		
RAWING NO: PAGE 2.2	DRAWN BY:	SPW	54	NONE



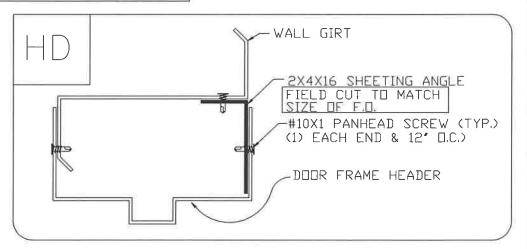


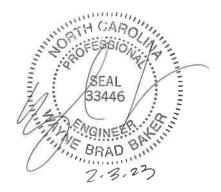
SIDEWALL FRAMING: FRAME LINE D



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			

ı	MEMBER	TABLE	
	FRAME	LINE A & D	
	MARK	PART	LENGTH
i	WF-1	B14641	18'-0"
1	WF-2	B10651	24'-5 1/4"
	DJ-1	8X35C16	14'-4"
	DJ-98	8X35C16	1'-0 1/2"
1	DJ-99	8X35C16	1'-0 1/2"
1	G-4	8x25Z12	30'-5 1/2"
	G-5	8x25Z12	33'-5 1/2"
-	G-6	8x25Z16	2'-7 1/2"
1	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"
Į	G-11	8x25Z16	14'-7 1/2"





DET CHK DATE

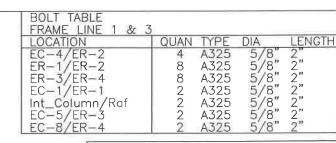
	RENEGADE STEEL BUILDINGS,	INC.
ON THIS PROJECT DS NORMAL TO A	JUNIOR FAIRCLOTH	
DING CODE CRITERIA	J06 NO: 7971	DATE: 1 /31 /23

DUNN, NC 28334

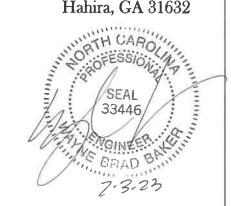
SIDEWALL FRAMING LAYOUT PAGE 3

DJH

ALL VEHICULAR FRAMED OPENINGS SUPPLIED OF HAVE BEEN DESIGNED TO SUPPORT WIND LOADS 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.



MEMBER FRAME	LINE 1 & 3	
MARK	PART	LENGTH
EC-1 EC-2 EC-3 EC-4 EC-5 EC-6 EC-7 EC-8 ER-1 ER-2 ER-3 ER-4 G-1 G-2 G-3 CB-1 CB-3 CB-4	8X35C16 8X35C12 8X35C12 8X35C16 8X35C12 8X35C12 8X35C12 8X35C12 8X35C12 8X35C12 8X35C12 8X35C12 8X25Z16 8x25Z16 8x25Z16 8x25Z16 5/16 CBL 5/16 CBL 1/4 CBL	14'-6 15/16" 15'-5 15/16" 16'-9 15/16" 18'-7 5/16" 17'-8 15/16" 15'-5 15/16" 14'-6 15/16" 25'-1 9/16" 13'-7 3/4" 14'-11 9/16" 25'-1 9/16" 10'-7 1/2" 10'-7 1/2" 10'-11 1/2" 23'-2" 22'-3" 22'-3" 23'-2"



DET CHK DATE

NONE

RENEGADE STEEL BUILDINGS,	INC.
CUSTOMER: JUNIOR FAIRCLOTH	
лое мо: 7871	1/31/23
DUNN, NC 28334	

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

ISSUE

ENDWALL FRAMING LAYOUT PAGE 4

40'-0" OUT-TO-OUT OF STEEL 40'-0" OUT-TO-OUT OF STEEL 11'-0" 11'-4" ER-3 FB270A ER-1 EB270A EB270A (C4) (C4) EC-1

ENDWALL FRAMING: FRAME LINE 3

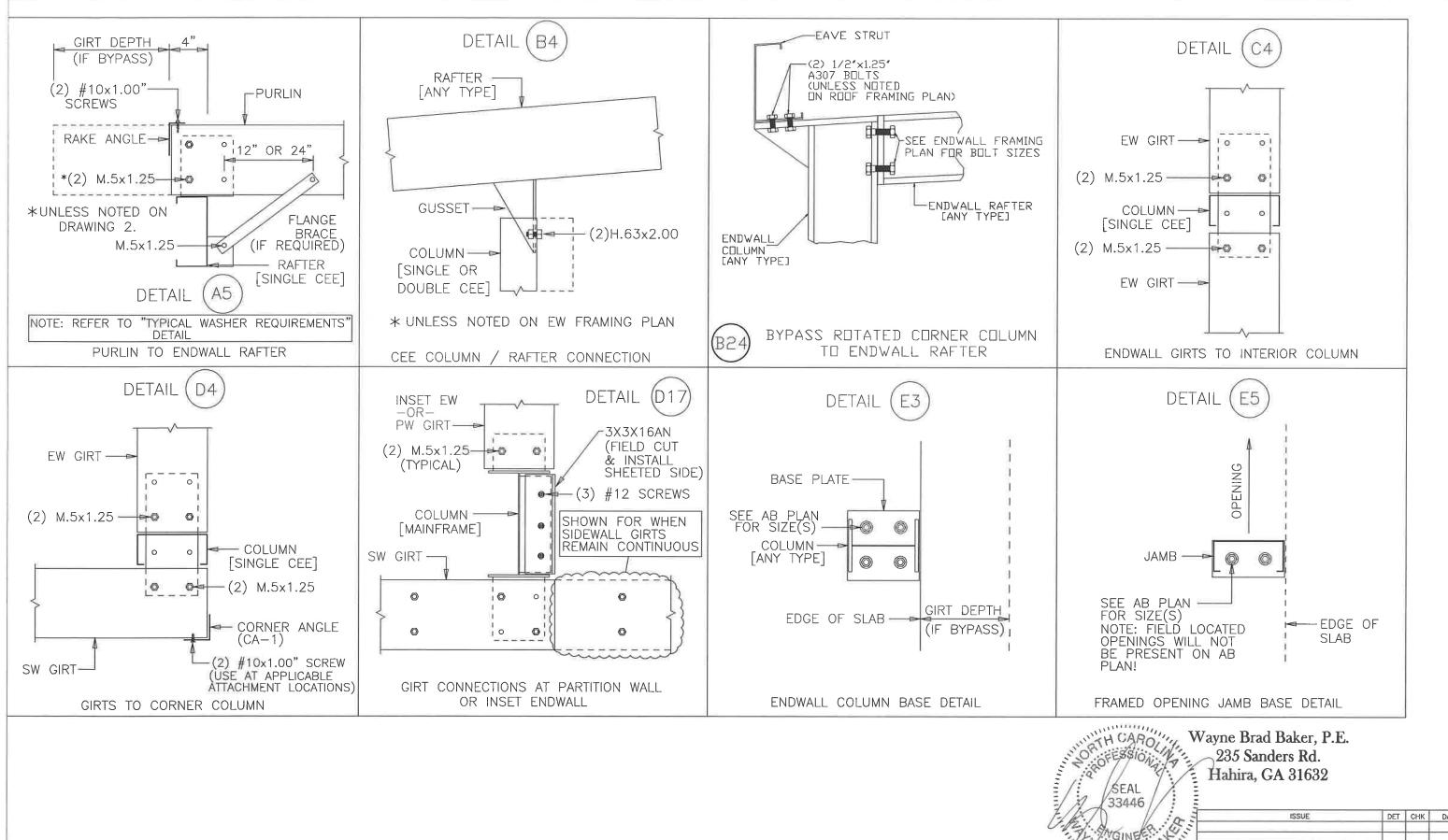
REINFORCEMENT.

NOTE: FIELD SLOT GIRTS FOR CABLE PASSAGE

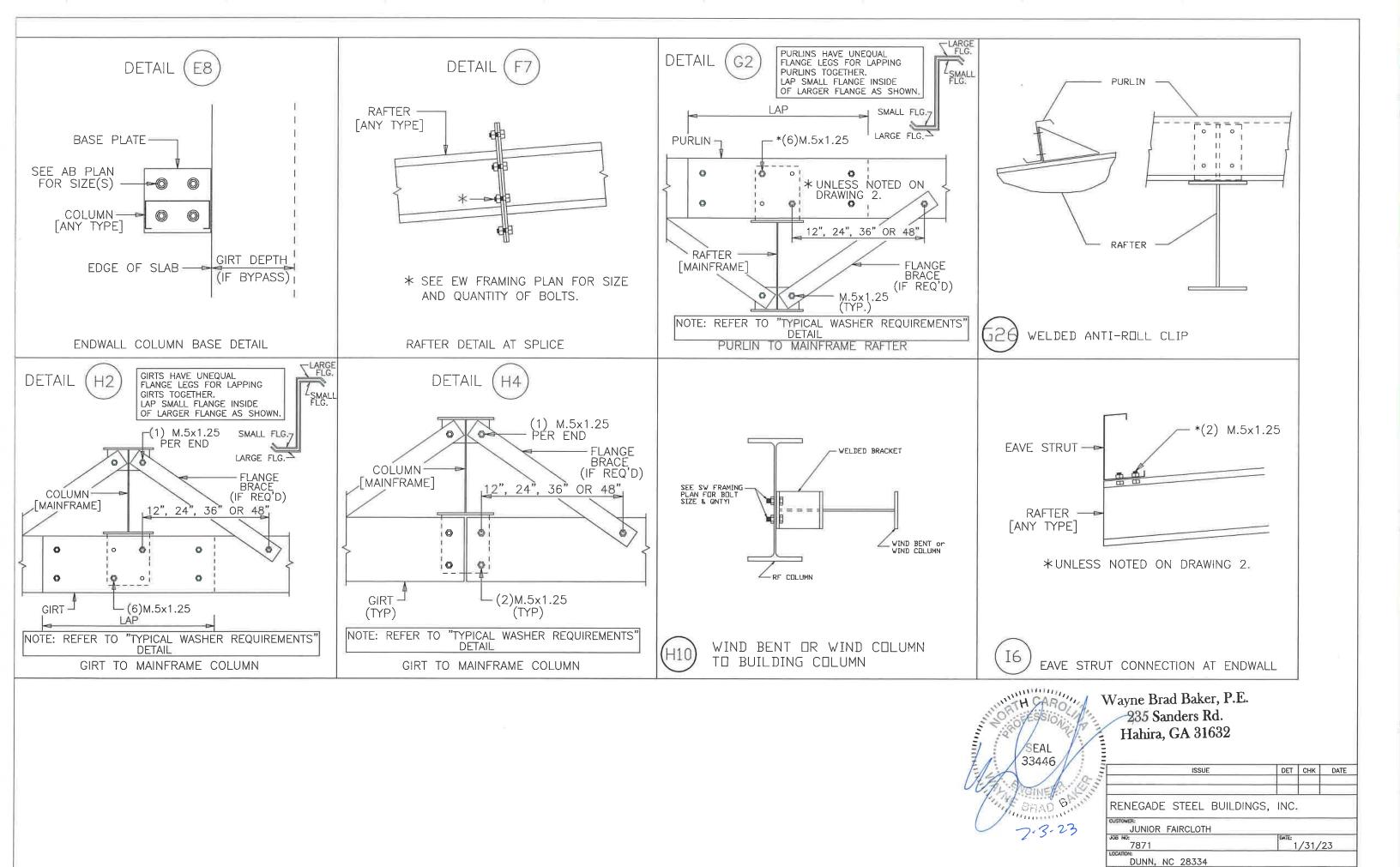
121"

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

ENDWALL FRAMING: FRAME LINE 1



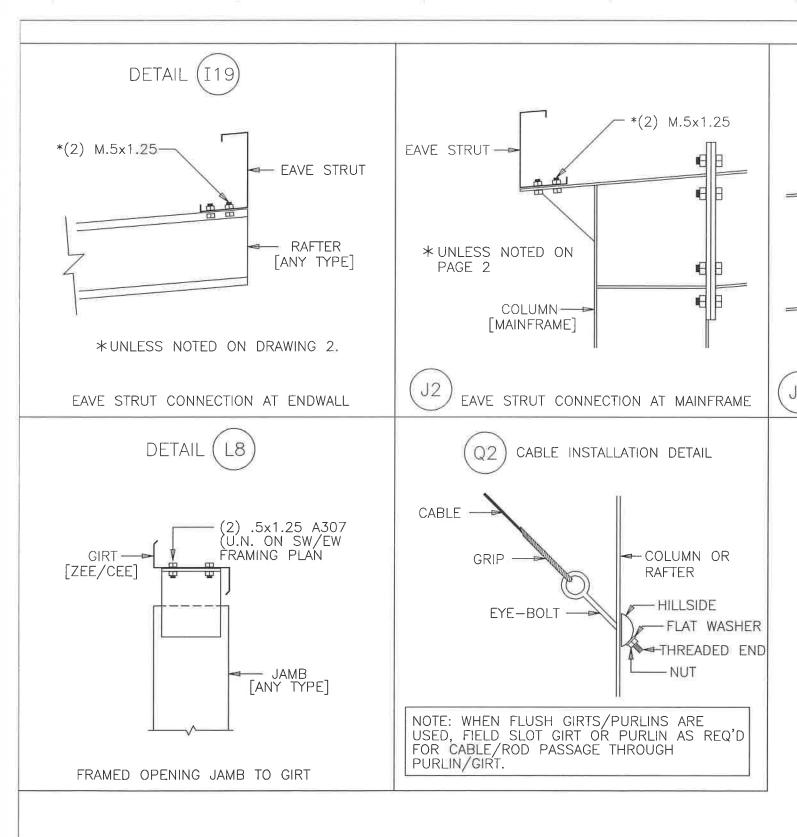
PRAD STATE DIAMER PAGE 5 DEAWN BY: CHECKED BY: SOLE NONE

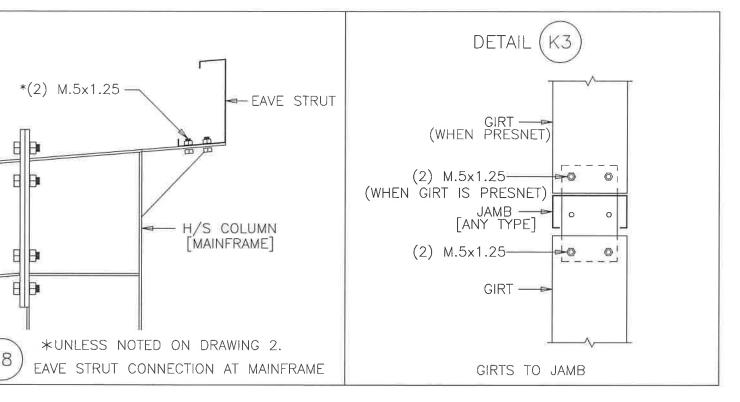


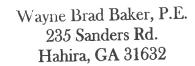
FRAMING DETAILS

WING NO:
PAGE 5.1

CHECKED BY: SCALE:
SPW NONE

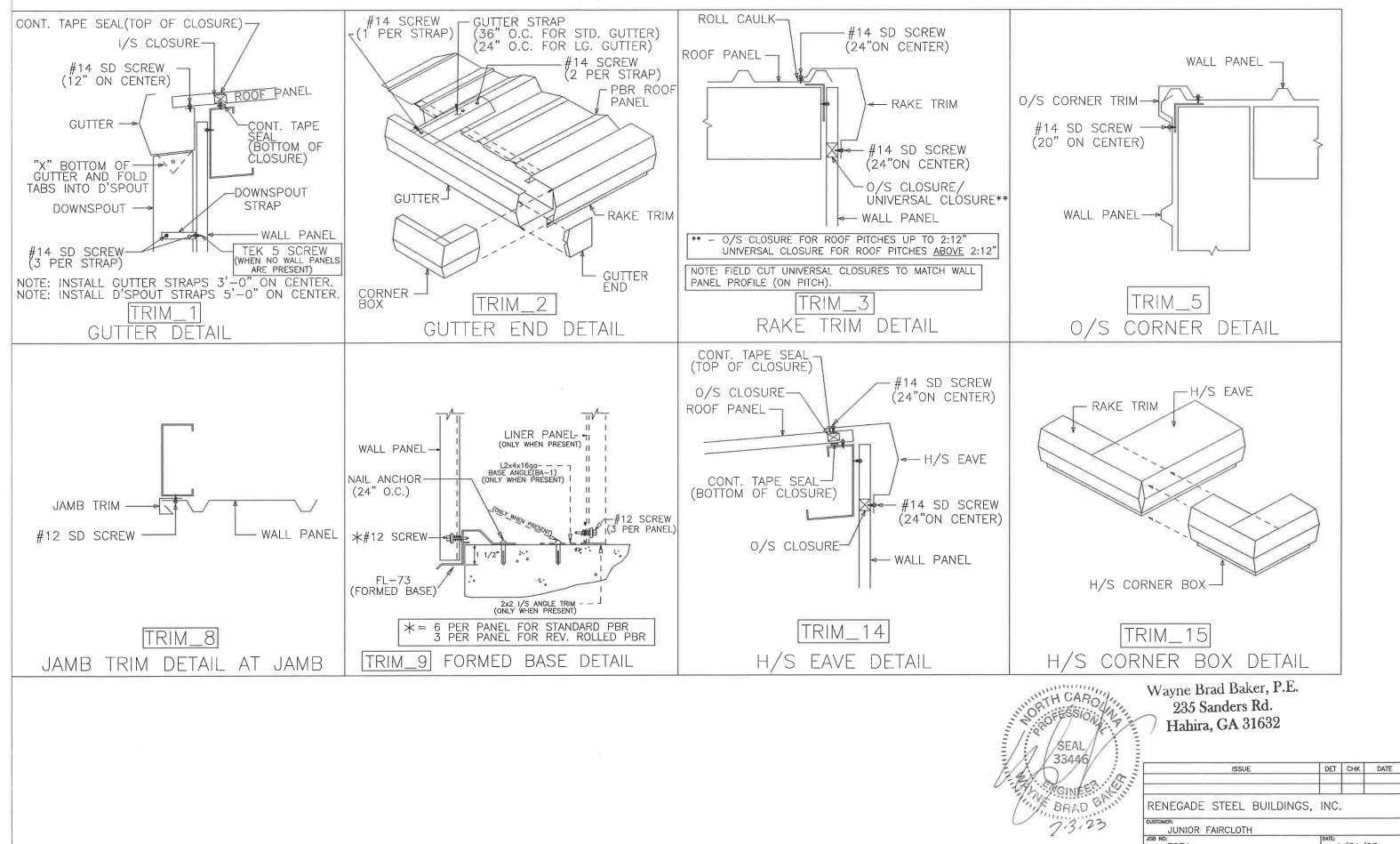




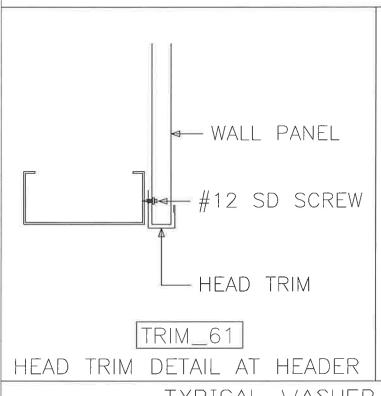


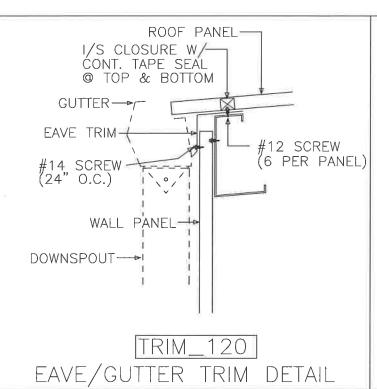


IS	SUE	DET	CHK	DATE
RENEGADE STEE	L BUILDIN	GS. INC.		
STONER: JUNIOR FAIRCLO	OTH			
08 NO;		DATE:		
7871		1	/31/	23
DUNN, NC 283	34			
AWING NAME:				
FRAMING DETAIL				
CAMING NO:	DRAWN BY:	CHECKED BY	r: Sc	NE:
PAGE 5.2	DJH	SPW		NONE



7871 1/31/23 DUNN, NC 28334 FRAMING DETAILS CHECKED BY: SCALE: PAGE 5.3





STRUCTURAL BOLTED CONNNECTIONS

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.
- NOTED OTHERWISE.

 [4] TRIM SCREWS ARE LOCATED 24" ON CENTER UNLESS NOTED OTHERWISE.
- [5] STD. TRIM SPLICES ARE 3" TOTAL UNLESS NOTED OTHERWISE.

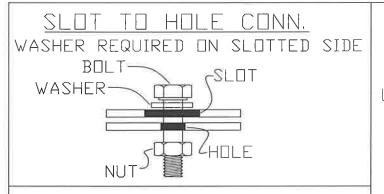
MORTISE PREPPED PERSONNEL DOORS

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 RE— SPONSIBILITY OF THE ERECTOR AND MBM IS NOT LIABLE FOR LABOR CHARGES NOR DAMAGES DUE TO ERROR.

TYPICAL WASHER REQUIREMENTS (UNLESS NOTED OTHERWISE ON DRAWINGS



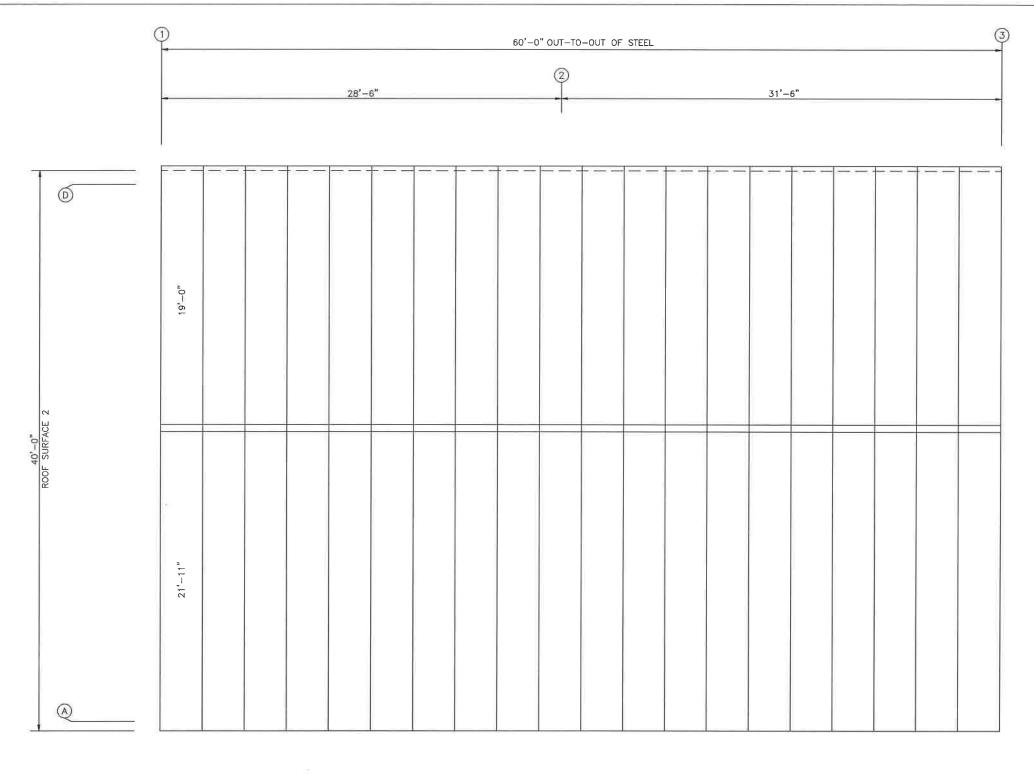
HOLE TO HOLE CONN.

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**) BOLT WASHER WASHER



IS	SUE	DET	CHK	DATE		
RENEGADE STEE	L BUILDIN	GS, INC.				
CUSTOMER: JUNIOR FAIRCLO	OTH					
JOB NO: 7871		DATE:	/31/	/23		
DUNN, NC 283	34					
DRAWING NAME: FRAMING DETAILS						
DRAWING NO: PAGE 5.4	DRAWN BY:	SPW SPW	: S	NONE		

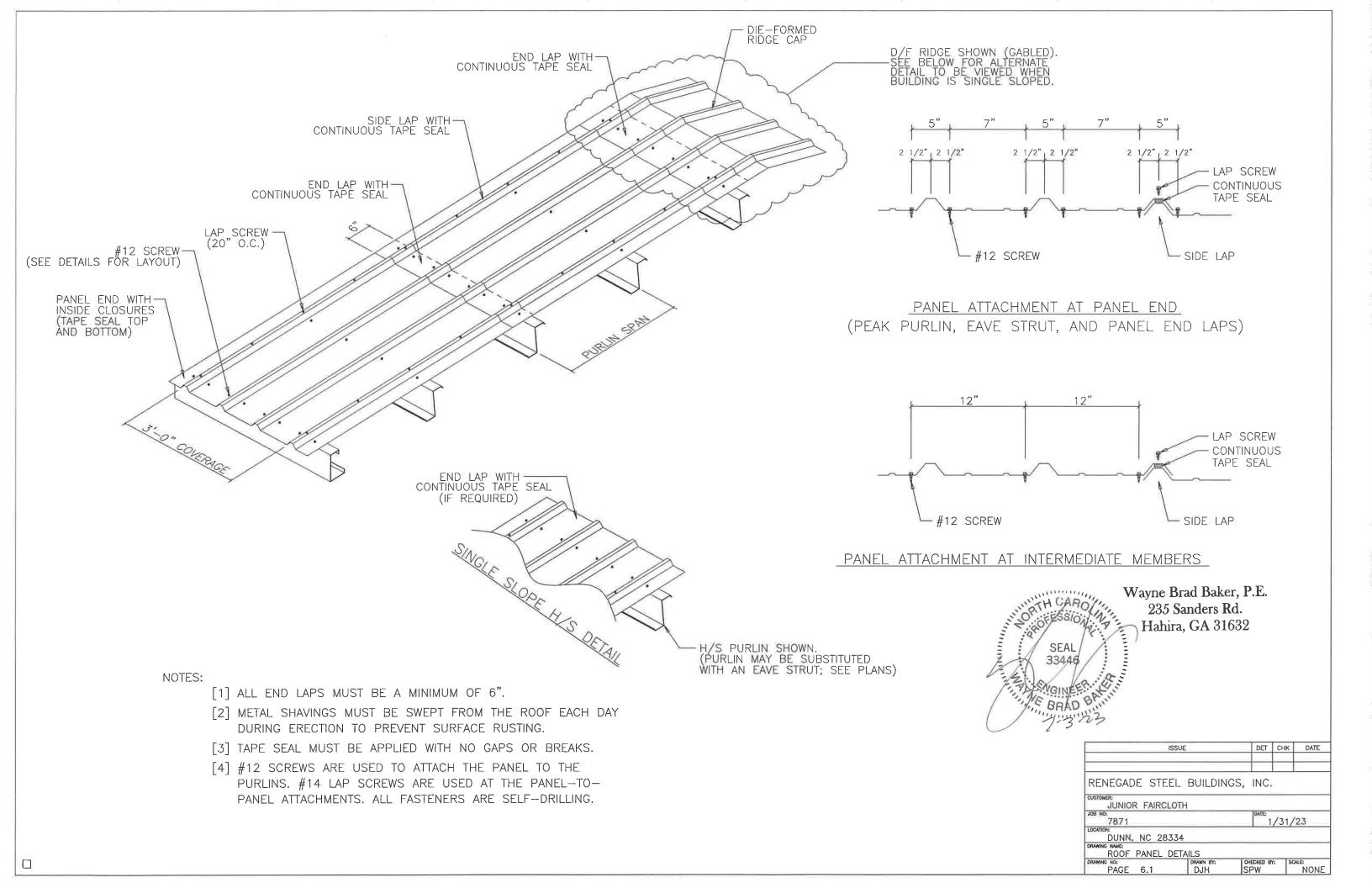


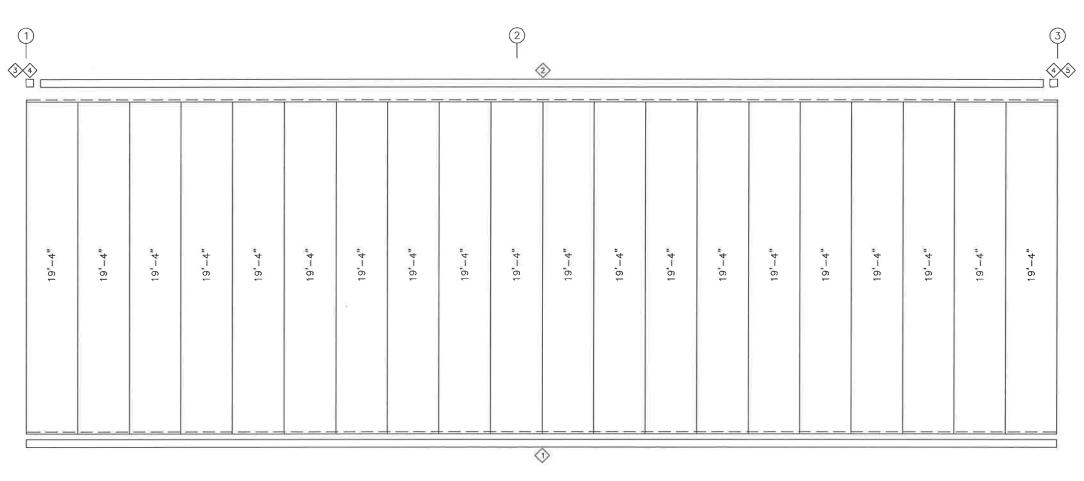
SEAL 33446
SEAL 33446
SAMERAL SAMERA SAMER

ROOF SHEETING PLAN PANELS: 26 GA. PBR – GALVALUME

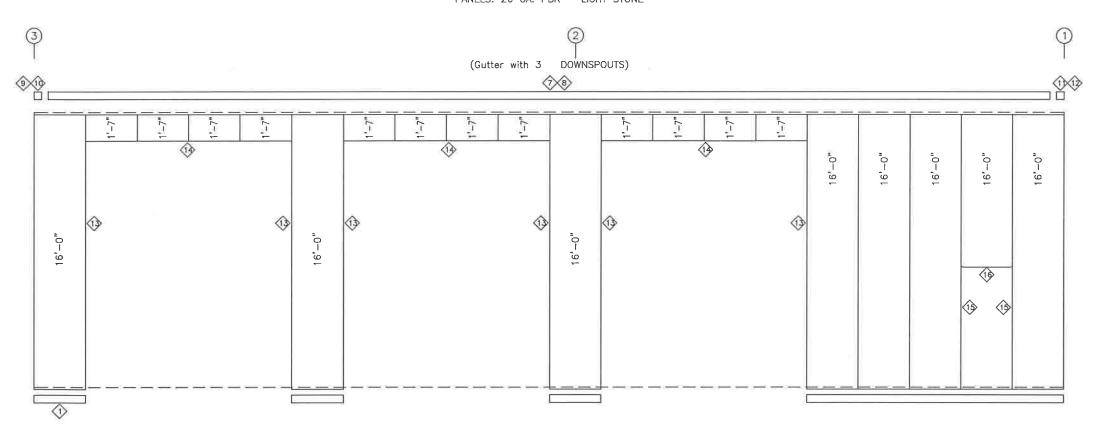
ISSU	E	DET	CHK	DATE
RENEGADE STEEL	BUILDIN	GS, INC.		
CUSTOMER: JUNIOR FAIRCLOT	Н	711-22-4		
JOB NO: 7871		DATE:	/31/	23
DUNN, NC 28334				
ROOF PANELS &	TRIM			
DRAWING NO: PAGE 6	DRAWN BY: DJH	SPW	SC.	NONE

HORNET STEEL BUILDINGS, INC. GA COAF: PEF005160 EXPIRATION: 06/30/2024





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

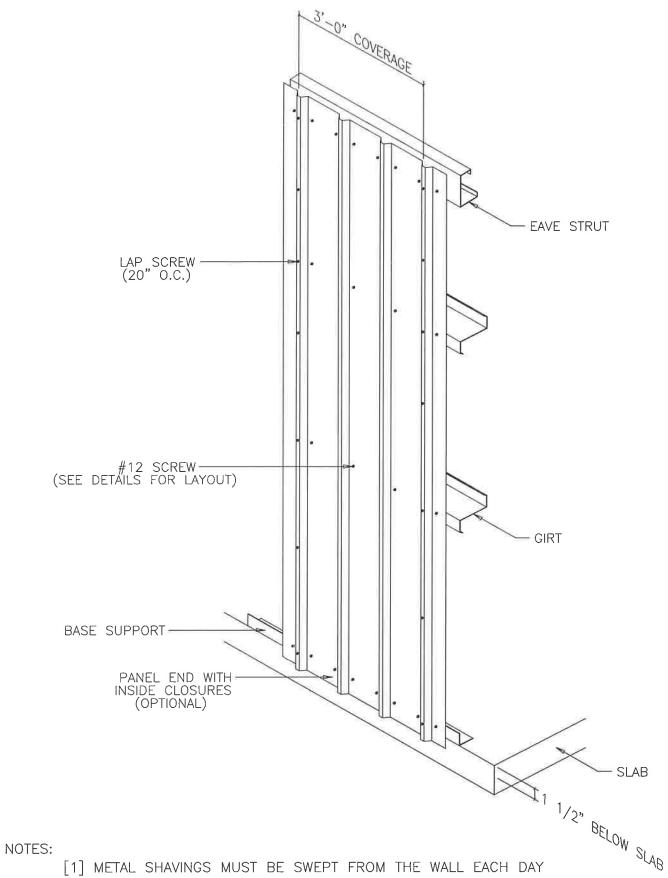


SIDEWALL SHEETING & TRIM: FRAME LINE D
PANELS: 26 GA. PBR - LIGHT STONE

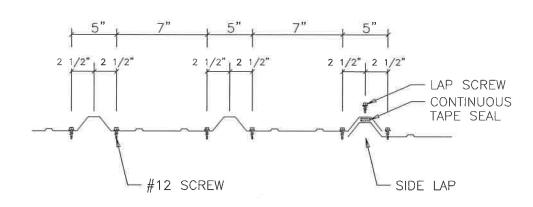
TRIM TABLE FRAME LINE A	& D	
◇ID PART 1 FL-73 2 H/S EAVE	LENGTH 20'-0"	DETAIL TRIM_9 TRIM_14
4 RAKE BOX 5 HS COR R 7 GUTTER	1'-4" 1'-0" 20'-3"	TRIM_15 TRIM_15 TRIM_1
8 EAVE TRM 9 GUTEND L 10 CORBOX L	20'-3" 1" 1'-0"	TRIM_120 TRIM_2 TRIM_2 TRIM_2
11 GUTEND R 12 CORBOX R 13 R JAMB 14 R HEAD	1'-0" 14'-7"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



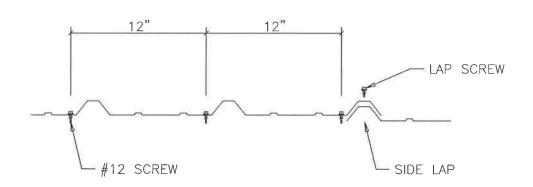
ISSUE	DET	CHK	DATE	
RENEGADE STEEL BUILDIN	NGS, INC.			
CUSTOMER: JUNIOR FAIRCLOTH				
JOB NO: 7871	DATE:	/31/	23	
DUNN, NC 28334				
DRAWING NAME: SIDEWALL PANELS & TRIM				
DRAWING NO: DRAWN BY: PAGE 7 DJH	SPW	's SC	NONE	



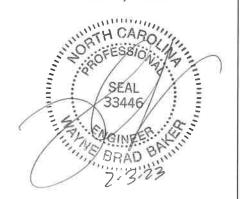
- DURING ERECTION TO PREVENT SURFACE RUSTING.
- [2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE GIRTS. #14 LAP SCREWS ARE USED AT THE PANEL-TO-PANEL ATTACHMENTS. ALL FASTENERS ARE SELF-DRILLING.



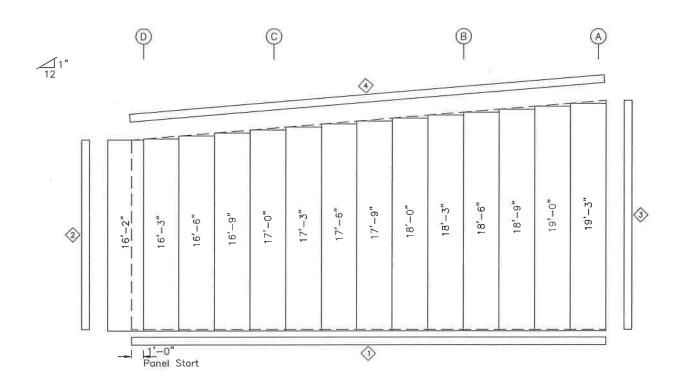
PANEL ATTACHMENT AT PANEL END (BASE, EAVE STRUT, HEADER, SILL, AND PANEL END LAPS)



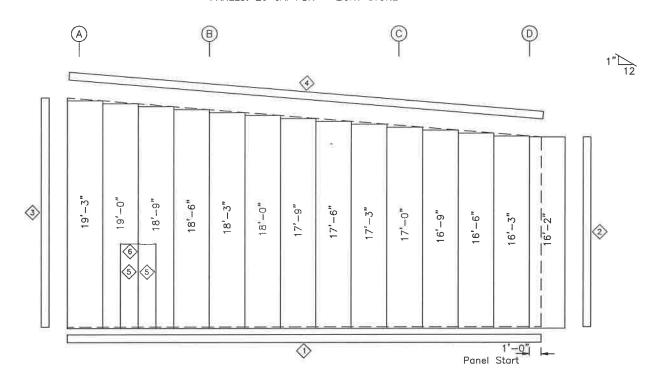
PANEL ATTACHMENT AT INTERMEDIATE MEMBERS



ISS	SUE	DET	CHK	DATE
RENEGADE STEEL	BUILDING	GS, INC.		
JUNIOR FAIRCLO	TH			
JOB NO: 7871		DATE:	/31/	23
DUNN, NC 2833	54			
DRAWING NAME: SIDEWALL PANEL DETAILS				
DRAWING NO: PAGE 7.1	DRAWN BY:	SPW	: 50	NONE

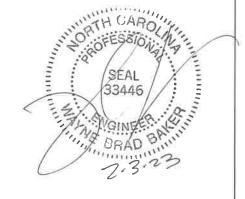


ENDWALL SHEETING & TRIM: FRAME LINE 1
PANELS: 26 GA. PBR - LIGHT STONE

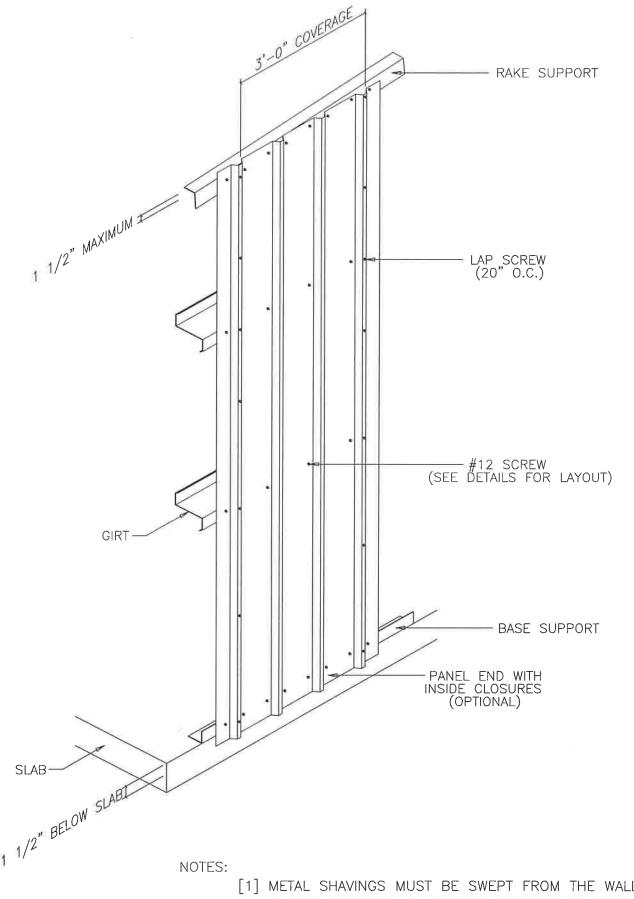


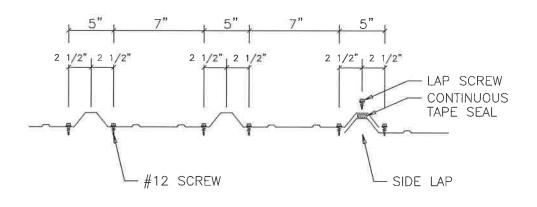
ENDWALL SHEETING & TRIM: FRAME LINE 3
PANELS: 26 GA. PBR - LIGHT STONE

	N TABLE ME LINE 1	& 3	
OID	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	RÁKE TRM	20'-3"	TRIM_3
	R JAMB	7'-3"	TRIM_8
6	R HEAD	3'-3"	TRIM 61

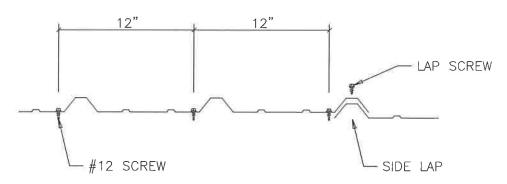


1:	SSUE	DET	CHK	DATE	
RENEGADE STEE	EL BUILDING	GS, INC.			
CUSTOMER: JUNIOR FAIRCL	OTH				
7871			1/31/23		
DUNN, NC 283	334	7-4-			
ENDWALL PANE	LS & TRIM				
DRAWING NO: PAGE 8	DRAWN BY:	SPW	r: SC/	NONE	





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



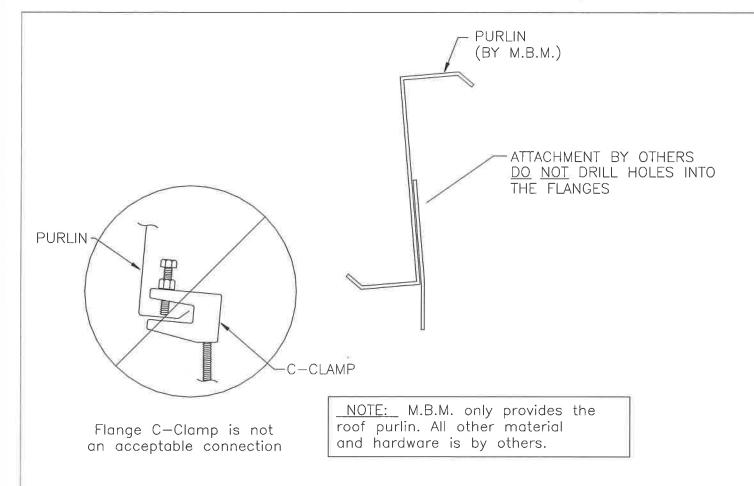
PANEL ATTACHMENT AT INTERMEDIATE MEMBERS

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



ISSUE DET CHK DATE RENEGADE STEEL BUILDINGS, INC. JUNIOR FAIRCLOTH T871 1/31/23 DUNN, NC 28334 ENDWALL PANEL DETAILS PAGE 8.1

- [1] METAL SHAVINGS MUST BE SWEPT 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.



Recommended Connection Detail

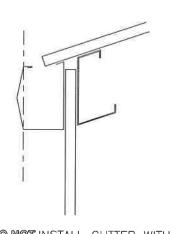
NOTE

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.

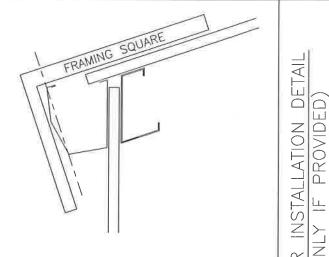
IT IS THE RESPONSIBILITY OF THE HANGER SYSTEM INSTALLER TO COORDINATE WITH THE ENGINEER OF RECORD FOR THE OVERALL PROJECT TO ENSURE A SAFE HANGING LOAD INSTALLATION. THE METAL BUILDING ENGINEER IS NOT THE ENGINEER OF RECORD FOR THE OVERALL PROJECT. WITHOUT SPECIFIC CERTIFICATION FOR INDIVIDUAL HANGING 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.

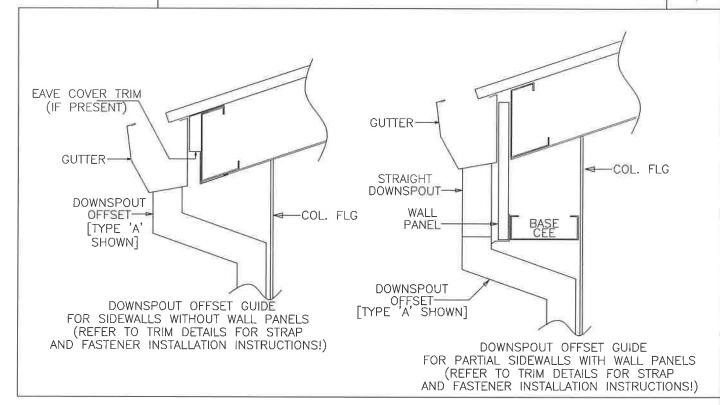
HANGING UNIFORM LOADS SUCH AS SPRINKLER MAINS OR HVAC EQUIPMENT SHOULD BE DISTRIBUTED OVER SEVERAL PURLINS, AND SHOULD NEVER EXCEED THE COLLATERAL LOAD ALLOWANCE FOR THE ROOF SYSTEM. FOR UNIFORM LOADS THAT RUN PARALLEL TO THE PURLINS, IT MAY BE NECESSARY TO USE TRANSVERSE SUPPORT CHANNELS(A.KA. TRAPEZE 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

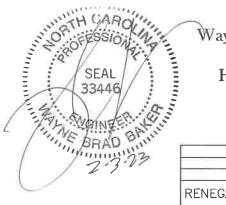


DO NOT INSTALL GUTTER WITH OUTSIDE FACE PERPENDICULAR TO THE GROUND.



INSTALL GUTTER WITH OUTSIDE FACE PERPENDICULAR TO THE ROOF.





	ISSUE	DET	СНК	DATE
RENEGADE STE	EL BUILDIN	GS, INC.		
CUSTOMER: JUNIOR FAIRCL	_OTH	- W		
JOB NO: 7871		DATE: 1/31/23		
DUNN, NC 28	334	- W		
DRAWING NAME: SPECIAL DETAI	LS			
PAGE 9	DRAWN BY:	SPW SPW	r: SC	VE: NONI

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 Snow Thermal_Coef. Ct : 1.00 Collateral Load(C) : 0.5 psf Building Risk Category : II - Normal Snow Imp. Fac. : 1.0000 Seismic Use Group (SUG) : II - Normal Ultimate: 120 mph Wind Speed 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 : 0.1931 : Enclosed Design Response (Sds) 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 : 7 psf Seismic Importance Roof Snow Load Res Mod Factor(OMF)R : 3.000* Snow Exp. Fac : 1.0000 Res Mod Factor (Brc) R : 3.000*

*=STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

COMPONENTS & CLADDING (unfactored)

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

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.

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

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