

ALLOWABLE SOIL BEARING PRESSURE . . ASSUMED 2000 PSF

> 10. TRUSS ENGINEER SHALL VERIFY THAT DETAILS OF CONNECTIONS SHOWN ARE APPROPRIATE FOR HIS TRUSS DESIGN. IF NOT, HE SHALL SUBMIT PROPOSED REVISIONS TO DETAILS.

> SHIM PLATES SHALL BE INSTALLED AS REQUIRED TO PROVIDE A POSITIVE 11. BEARING SURFACE BETWEEN THE TRUSSES AND THE STRUCTURAL BEAMS AND/OR WALLS. EACH TRUSS SHALL BEAR ON EACH BEAM AND/OR WALL WITH WHICH IT INTERSECTS AS SHOWN ON THE PLAN AND IN THE LOADING DIAGRAMS. UNLESS SPECIFICALLY NOTED. THERE SHALL NOT BE ANY SPACE BETWEEN THE TRUSSES AND THE WALLS

AND CONNECTIONS OF TRUSSES.

4.01. THE SUBSURFACE INFORMATION AND FOUNDATION DESIGN ARE BASED ON THE FOUNDATION SECTION OF THE BUILDING CODE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE FOUNDATION IS ASSUMED TO BE BEARING ON A SUBGRADE WITH A MINIMUM

4.03. CONTRACTOR TO KEEP EXCAVATIONS DRY AND PROTECTED FROM FROST AT ALL TIMES DURING THE FOUNDATION CONSTRUCTION.

FROM THOSE DESCRIBED "ASSUMED VALUES" AND CONDITIONS SHALL BE REPORTED TO THE ENGINEER (DRYE- MCGMALERY ENGINEERING, PLLC), BEFORE

4.05 SLABS ON GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND NOTES AND SHALL HAVE CONTRACTION JOINTS INSTALLED PER PLAN. CONTRACTION JOINTS SHALL BE TYPICALLY PROVIDED SUCH THAT NO AREA BOUNDED BY CONSTRUCTION AND/OR CRACK CONTROL JOINTS CONTAINS MORE THAN 450 SQUARE FEET OF SLAB AREA, THE SPACING OF THE JOINTS DOES NOT EXCEED 36 TIMES THE SLAB THICKNESS, AND THE RESULTING ASPECT RATIO OF THE DIMENSIONS OF SLAB AREA DOES NOT EXCEED 1.5 TO 1. CRACK CONTROL JOINTS SHALL BE MADE USING A "SOFT-CUT" CONCRETE SAW AS SOON AS THE SLAB WILL SUPPORT THE WEIGHT OF THE SAW AND OPERATOR WITHOUT DISTURBING THE FINAL FINISH. THE CRACK CONTROL JOINTS SHALL BE A MAXIMUM WIDTH OF 1/8" WIDE AND A MINIMUM DEPTH OF 1/3 THE SLAB THICKNESS. REFER TO DRAWINGS FOR PRESCRIBED LOCATIONS OF CONTRACTION / CRACK CONTROL

5.01. LOAD BEARING MASONRY UNTIS SHALL BE CONSTRUCTED OF STRUCTURAL LIGHTWEIGHT CONCRETE UNITS CONFORMING TO ASTM C90 TYPE N-1.

5.02. MAINTAIN MOISTURE CONTROL DURING STORAGE AND ERECTION AT JOB SITE

5.04. MASONRY TO BE LAYED IN RUNNING BOND PATTERN TYPICAL.

5.05 TOP 8" OF MASONRY WALLS AND PIERS TO BE GROUTED SOLID TYP.

#### THE TRUSS ENGINEER SHALL DESIGN THE TRUSSES AND GIRDER TRUSSES FOR THE LOADS INDICATED ON THE STRUCTURAL DRAWINGS. SPECIAL LOAD CONSIDERATIONS, SUCH AS OVERFRAMING, ETC. SHALL BE ACCOUNTED FOR

THE TRUSS ENGINEER SHALL ACCEPT FULL RESPONSIBILITY FOR THE DESIGN. THE TRUSS ENGINEER SHALL PREPARE DESIGN CALCULATIONS AND DRAWINGS, WHICH SHALL BE SEALED. SIGNED. AND DATED BY THE RESPONSIBLE PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA.

THE DESIGN SHALL INCLUDE INTERNAL CONNECTIONS AND CONNECTIONS BETWEEN TRUSSES. CONNECTIONS TO OTHER STRUCTURAL MEMBERS AND ARCHITECTURAL SYSTEMS SHALL BE INCLUDED. TYPICAL DETAILS OF

THE MEMBER SIZE AND PROPERTIES FOR EACH MEMBER USED SHALL BE SHOWN, CLEARLY INDICATING WHERE EACH MEMBER IS BEING USED.

# PARTICULAR ATTENTION SHALL BE GIVEN TO HEEL HEIGHTS AND TOP CHORD SLOPES TO ENSURE THAT THE FASCIA DETAILS ARE CONSISTENT, ALIGNED,

THE MAXIMUM SPACING OF THE TRUSSES SHALL BE 24 INCHES ON CENTER,

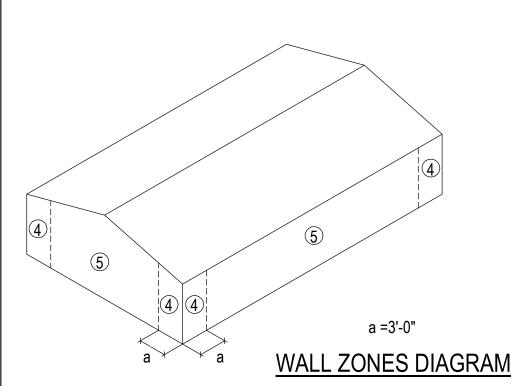
A SAMPLE SUBMITTAL OF THE TYPICAL TRUSS AND TRUSS GIRDER TYPES SHALL BE SUBMITTED FOR PRELIMINARY REVIEW PRIOR TO COMPLETION OF DESIGN

COMPLETE ERECTION PLANS AND DETAILS SHALL BE SUBMITTED TO EACH

THE TRUSS ENGINEER SHALL BE RESPONSIBLE FOR ANY FIELD COORDINATION ISSUES WHICH MAY ARISE REGARDING THE TRUSSES, OPENINGS IN TRUSSES,

8. WOOD CONSTRUCTION CONNECTORS

- 8.01. ALL WOOD CONSTRUCTION CONNECTORS SHOWN SHALL BE SIMPSON STRONG-TIE CONNECTORS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. (OR APPROVED EQUIVALENT). BEFORE SUBSTITUTING ANOTHER BRAND, CONFORM LOAD CAPACITY BASED ON RELIABLE PUBLISHED TESTING DATA OR CALCULATIONS AND SUBMIT TO DRYE-MCGLAMERY ENGINEERING, PLLC FOR EVALUATION AND WRITTEN APPROVAL FOR SUBSTITUTION PRIOR TO INSTALLATION.
- 8.02 ALL SPECIFIED FASTENERS SHALL BE INSTALLED ACCORDING TO THE DETAILS AND THE MANUFACTURER'S INSTRUCTIONS. ALL HOLES IN CONNECTORS SHALL BE PROPERLY NAILED TO THE WOOD STRUCTURE. CONTACT DRYE-MCGLAMERY ENGINEERING, PLLC FOR FASTENERS NOT SHOWN. INCORRECT FASTENER QUANTITY, SIZE, TYPE, MATERIAL, OR FINISH MAY CAUSE THE CONNECTION TO FAIL. 16D FASTENERS ARE COMMON NAILS (8 GA. X 3 1/2") AND CANNOT BE REPLACED WITH 16D SINKERS (9GA. X 3 1/4") UNLESS OTHERWISE SPECIFIED.
- 8.03 DIAMETER (PER THE NDS, SECTION 8.1.2.1).
- 8.04 INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION.
- 8.05 WELDING GALVANIZED STEEL MAY PRODUCE HARMFUL FUMES; FOLLOW PROPER WELDING PROCEDURES AND SAFETY PRECAUTIONS. WELDING SHOULD BE IN ACCORDANCE WITH AWS STANDARDS.
- PNEUMATIC OR POWDER-ACTUATED FASTENERS MAY DEFLECT AND INJURE THE 8.06 OPERATOR OR OTHERS. NAIL GUNS MAY BE USED TO INSTALL CONNECTORS, PROVIDED THE CORRECT QUANTITY AND TYPE OF NAILS ARE PROPERLY INSTALLED IN THE NAIL HOLES. GUNS WITH NAIL HOLE-LOCATING MECHANISMS SHOULD BE USED. FOLLOW THE MANUFACTURER'S INSTRUCTIONS AND USE THE APPROPRIATE SAFETY EQUIPMENT.
- 8.07 MEMBERS JOISTS SHALL BEAR COMPLETELY ON THE CONNECTOR SEAT, AND THE GAP BETWEEN THE JOIST END AND THE HEADER SHALL NOT EXCEED 1/8" PER ASTM TEST STANDARDS.
- 8.08 UNLESS OTHERWISE NOTED, BOLTS AND NAILS SHALL NOT BE COMBINED. 8D, 10D, AND 16D SPECIFY COMMON NAILS.
- 8.09 UNLESS OTHERWISE NOTED, BENDING STEEL IN THE FIELD MAY CAUSE FRACTURES AT THE BEND LINE. FRACTURED STEEL WILL NOT CARRY LOAD AND MUST BE REPLACED.
- 8.10 A FASTENER THAT SPLITS THE WOOD WILL NOT SUPPORT THE DESIGN LOAD. IF THE WOOD HAS A TENDENCY TO SPLIT, PRE-BORE HOLES TO <sup>3</sup>/<sub>4</sub> OF THE NAIL DIAMETER (1997 NATIONAL DESIGN SPECIFICATION, 2.1.3.1).



# (3) -\_\_\_\_ (1)(2)(1)

a = 3'-0" **ROOF ZONES DIAGRAM** 

AB

ACI

ALT

ANSI

ARCH

ASTM

BLDG

BRG

BTWN

BYND

CIP

CJ

CL

CLR

COMP

CONC

CONN

CONT

CTR

DIM

DN

DWG

ΕA

EW

EXP

FD

**FDTN** 

FTG

GALV

INT

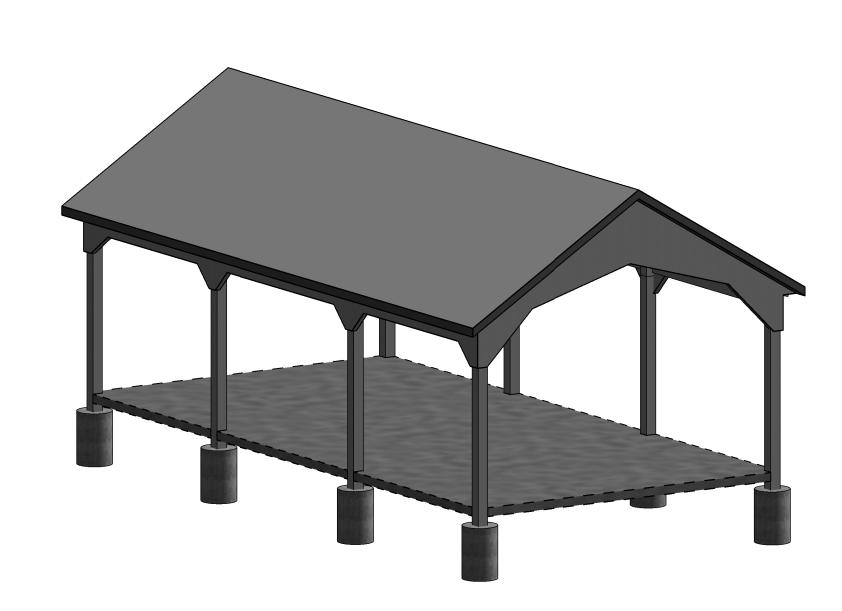
LG

11

**EXIST** 

DL

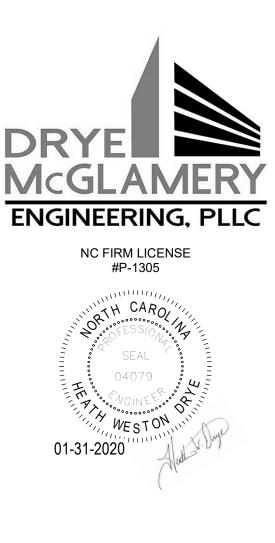
ADDL



#### DRYE-MCGLAMERY ENGINEERING STRUCTURAL ABBREVIATIONS.

AT ANCHOR BOLT AMERICAN CONCRETE INSTITUTE ADDITIONAL ALTERNATE AMERICAN NATIONAL STANDARDS INSTITUTE ARCHITECTURAL AMERICAN SOCIETY OF TESTING MATERIALS BOTTOM OF BUILDING BEARING BETWEEN BEYOND CAST IN PLACE CONTRACTION OR CONSTRUCTION JOINT CENTERLINE CLEAR COMPOSITE CONCRETE CONNECTION CONTINUOUS CENTER DIAMETER DIMENSION DEAD LOAD DOWN DRAWING EACH EACH WAY EXISTING EXPANSION FLOOR DRAIN FOUNDATION FOOTING GALVANIZED INSIDE DIAMETER INSIDE FACE INTERIOR KIP=1000 LB	MECH MFR MIN MISC MK MO MPH NS NTS C/C OF PL PLF PLYWD PSF PSI QTY R REF REINF REQD REV RO SCHED SIM SOG T/ T&B T&G TOC TOF TOJ TOS TOV TYP UNO VAR VEF VERT VIE
INTERIOR	VEF
LONG LIVE LOAD	W/O WWF

MECHANICAL
MANUFACTURER
MINIMUM
MISCELLANEOUS
MASONRY OPENING MILES PER HOUR
NON SHRINK OR NEAR SIDE
NOT TO SCALE
CENTER TO CENTER
OUTSIDE FACE
PLATE
POUNDS PER LINEAR FOOT
PLYWOOD POUNDS PER SQUARE FOOT
POUNDS PER SQUARE INCH
QUANTITY
RADIUS
REFERENCE
REINFORCED OR REINFORCING
REQUIRED REVISION
ROUGH OPENING
SCHEDULE
SIMILAR
SLAB ON GRADE
TOP OF
TOP AND BOTTOM
TONGUE AND GROOVE TOP OF CONCRETE
TOP OF FOOTING
TOP OF JOIST
TOP OF STEEL
TOP OF WALL
TYPICAL UNLESS NOTED OTHERWISE
VARIES
VERTICAL EACH FACE
VERTICAL
VERIFY IN FIELD
WITH
WITHOUT WELDED WIRE FABRIC



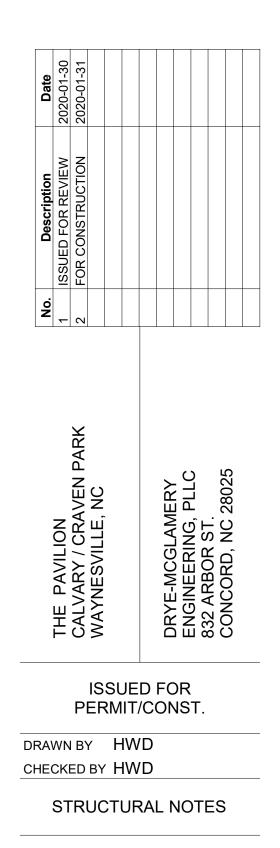
	WALLS		PS
	701150	AREA	FT
	ZONES	10	10
	4	30 -33	26 -28
	5	30 -41	26 -31
<u>+</u>			

' 3 |

"a"

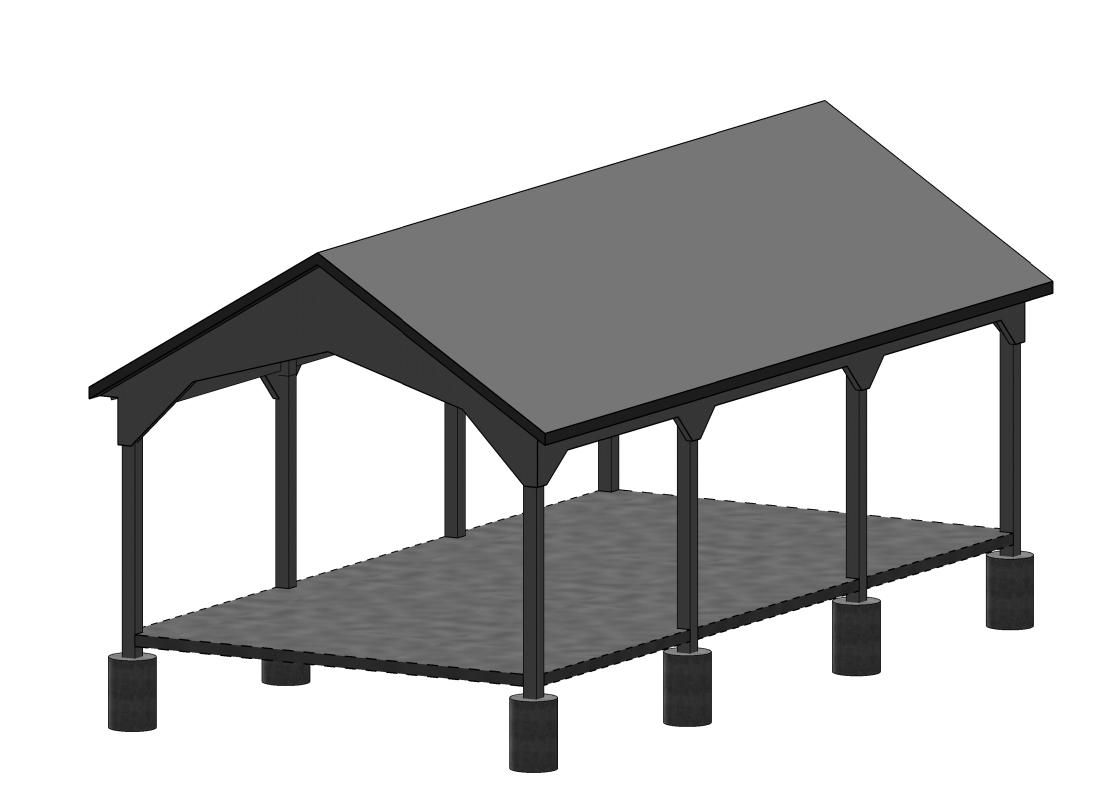
		PSF				
ZONE	EDGE DIST.	AREA FT 2				
S		10	100			
	N/A	18.0 -28	16.4 -25			
2	8'-2"	18.0 -48	16.5 -35			
3	8'-2"	18.0 -72	16.5 -56			

COMPONENTS & CLADDING PRESSURE TABLES

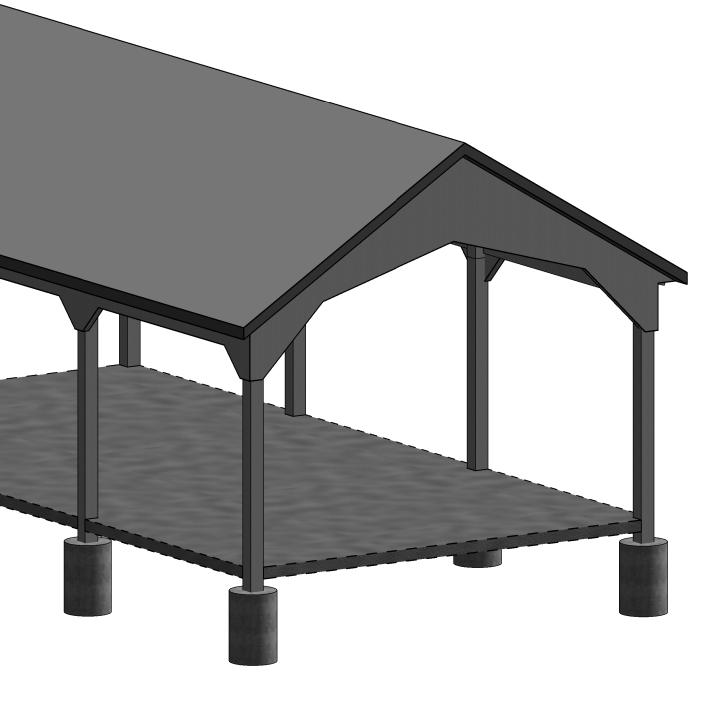


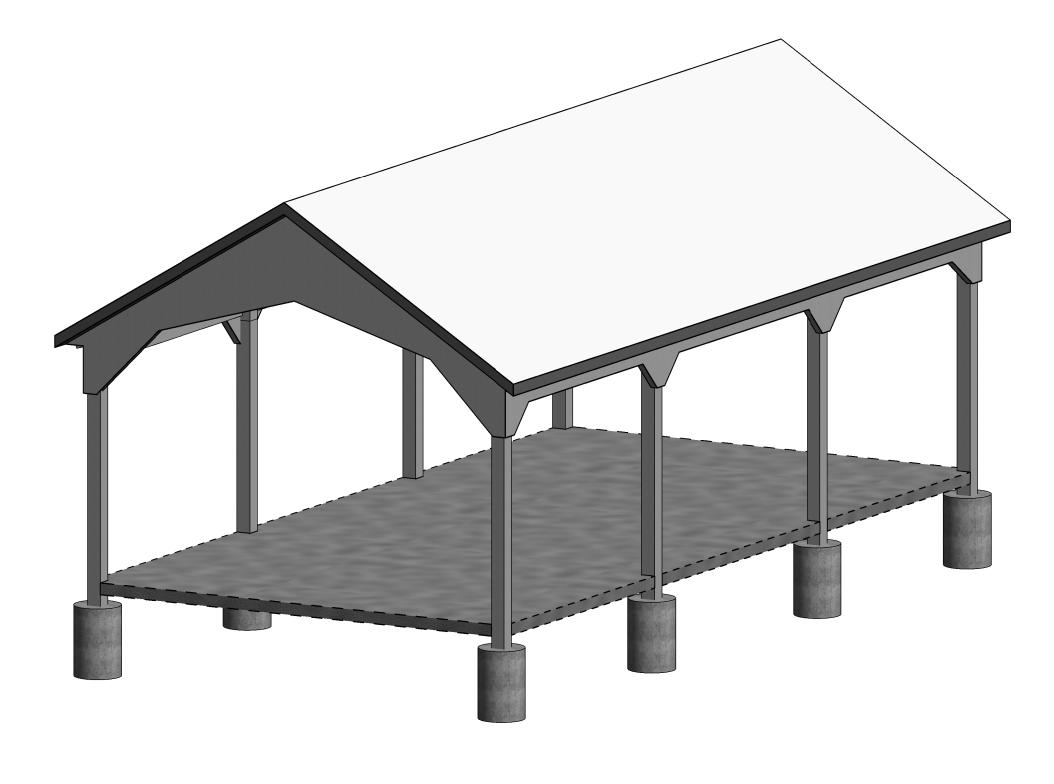


1 FRONT LEFT

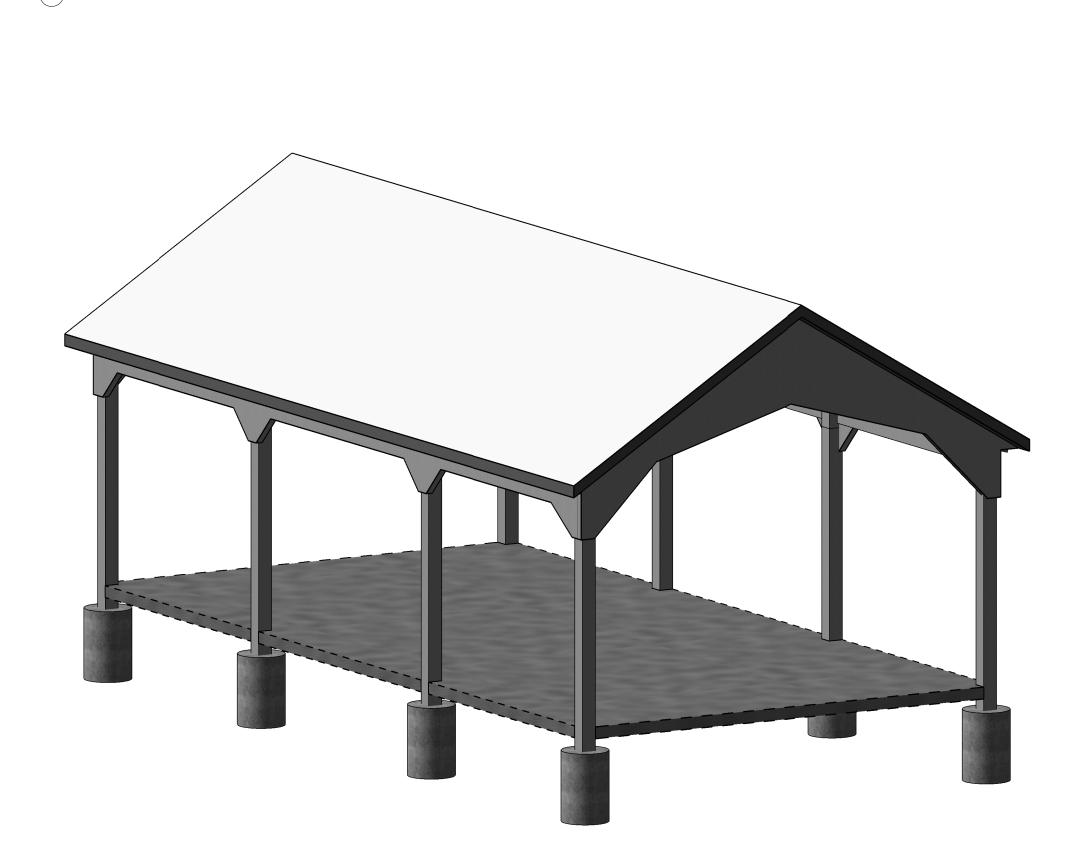


3 REAR LEFT





2 FRONT RIGHT



4 REAR RIGHT

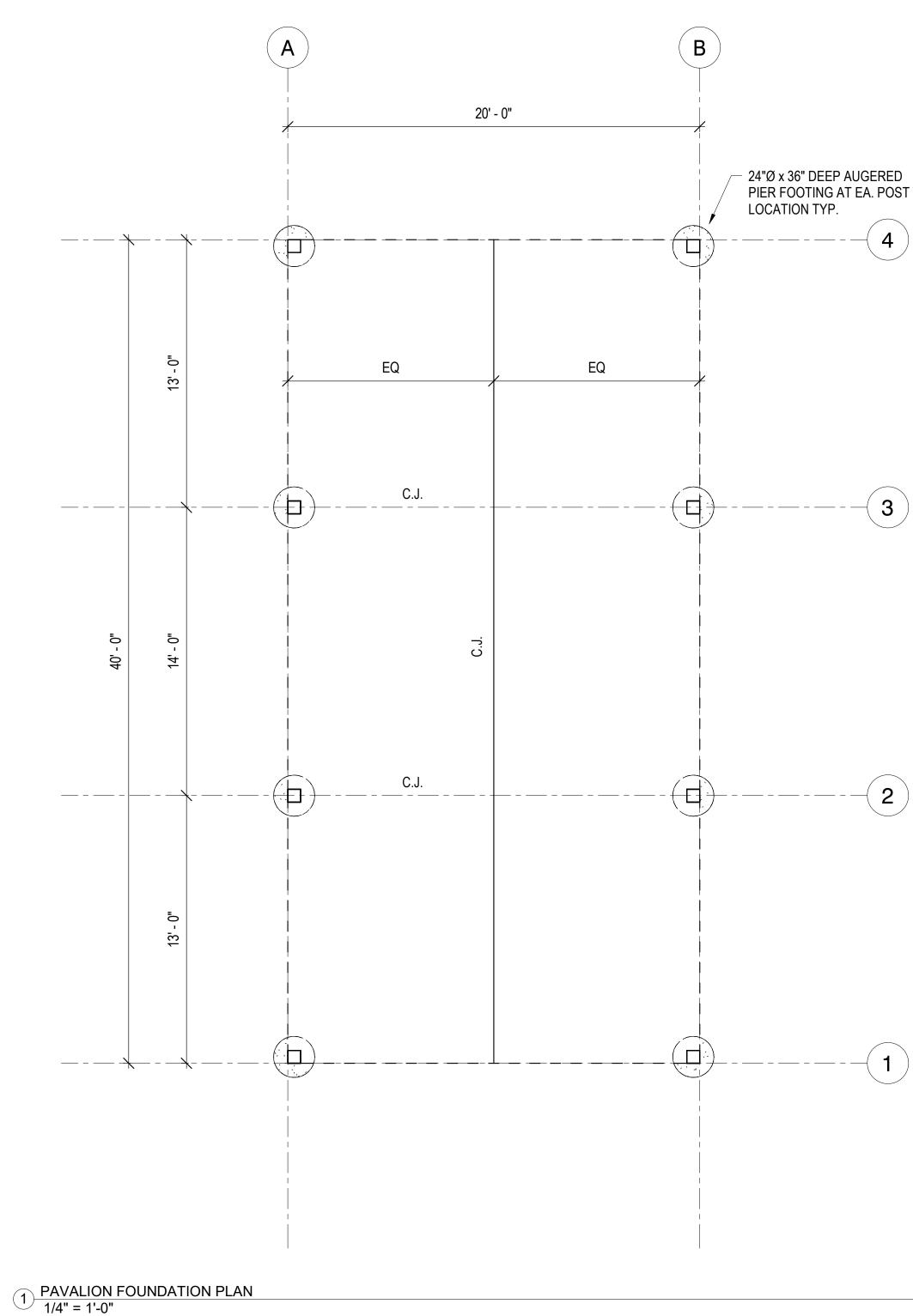


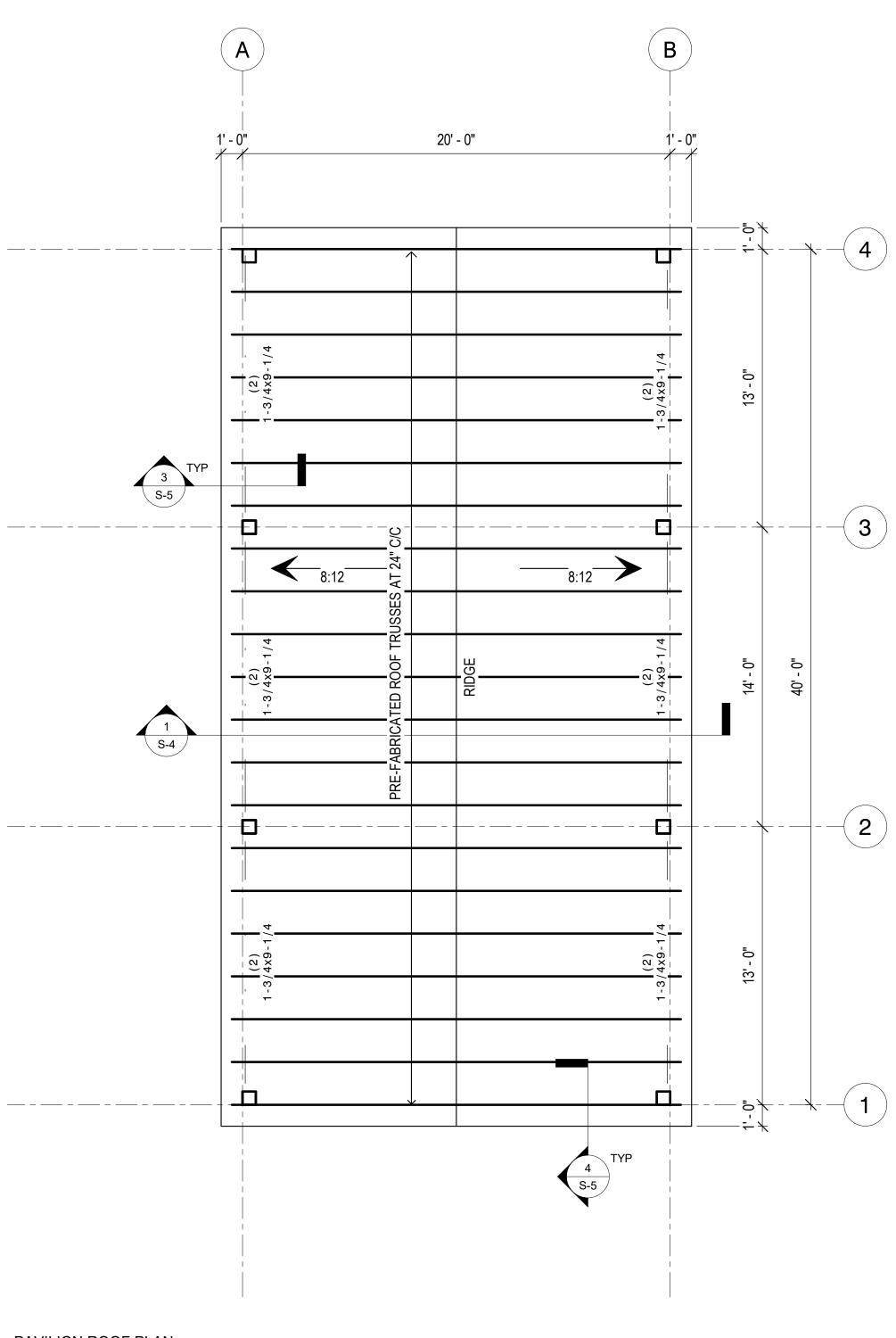


Date 2020-01-30	ZUZU-U-UZUZ								
Description ISSUED FOR REVIEW									
- <b>No.</b>	N								
THE PAVILION CALVARY / CRAVEN PARK WAYNESVILLE, NC DRYE-MCGLAMERY ENGINEERING, PLLC 832 ARBOR ST. CONCORD, NC 28025									
				FC	)R				
F	ISSI PERM								

CHECKED BY HWD

PROJECT OVERVIEW





2 PAVILION ROOF PLAN 1/4" = 1'-0"

## FOUNDATION NOTES:

- DIMENSIONS ARE TO FACE OF POSTS OR CENTERLINE OF POSTS TYP. REFERENCE ELEVATION +/-0'-0" SHALL BE TO TOP OF SLAB ON GRADE 2. TYP.
- 3. SLAB ON GRADE TO BE 4" THICK 4000 PSI CONCRETE TYP. ON 6 MIL VAPOR BARRIER OVER 6" OF #57 STONE. SLAB TO BE REINFORCED WITH 6x6-W1.4/W1.4 WWF OR #4 BARS AT 32" C/C MAX. TYP.
- 4. POST FOUNDATIONS SHALL BE 24" Ø x36" DEEP WITH POST EMBEDDED. ALL POSTS SHALL BE 8x8 P.T. RATED FOR GROUND CONTACT TYP. 5.
- C.J. DENOTES CONTRACTION JOINT LOCATION TYP. REFER TO DETAIL 1/S-5.

### ROOF FRAMING NOTES:

- ROOF SHEATHING TO BE 7/16" OSB SHEATHING, FASTENED USING 8D GALV. RING SHANK NAILS @ 4" C/C AT PANEL EDGES AND 6" C/C IN FIELD. MINIMUM.
- 2. SHEATHING TO BE ORIENTED PERPENDICULAR TO SUPPORTS AND STAGGERED A MINIMUM OF TWO FRAMING MEMBER TYP.
- 3. INSTALL SIMPSON PSCL CLIPS TYP. AT MIDSPAN OF SHEATHING SEAMS BETWEEN SUBFRAMING WITH SPACING GREATER THAN 24" C/C, TYP.
- SEE PLAN FOR ROOF SLOPE TYP. 4.
- REFER TO S-5 FOR FRAMING DETAILS TYP. FASTEN 2x4 PURLINS OVER ROOF TRUSSES THRU
- SHEATHING AT 24" C/C MAX. FASTEN WITH (2) 16D GALV RING SHANK NAILS 3-1/2" LONG AT EACH PURLIN / ROOF TRUSS INTERSECTION TYP. METAL ROOF TO BE FASTENED TO 2x4 PURLINS TYP. PER MANUF. RECOMMENDATIONS 7. ROOFING SHALL BE 3/4" 29 GA. MASTERRIB. COLOR TO BE
- SELECTED BY THE TOW.
- 8:12 INDICATES ROOF SLOPE TYP.

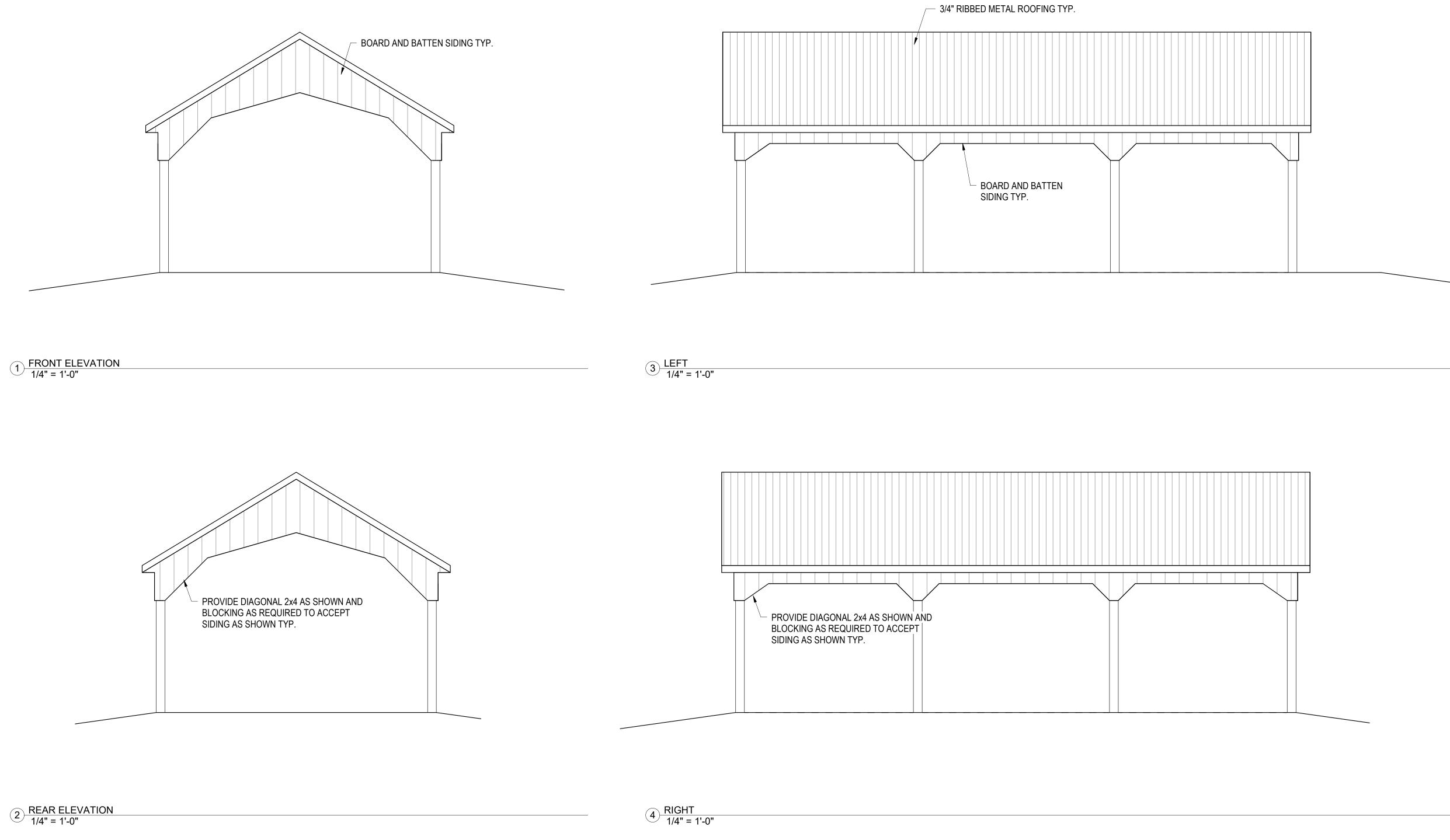
#### FINISH CARPENTRY AND PAINT NOTES:

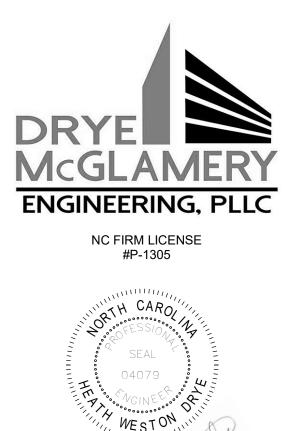
- 1. SIDING TO BE BOARD AND BATTEN (LP SMARTSIDE SYSTEM OR
- EQIVALENT) 2. TRIM / FASCIA MATERIAL SHALL BE LP SMARTSIDE CEDAR TEXTURE OR EQUIVALENT.
- PAINT SHALL INCLUDE 1 COAT PRIMER AND 2 COATS OF FINISH COLOR. COLOR TO BE DETERMINED BY TOWN OF WAYNESVILLE.
- CEILING TO BE T-111 PLYWOOD AND STAINED. COLOR SHALL BE 4. DETERMINED BY TOWN OF WAYNESVILLE.



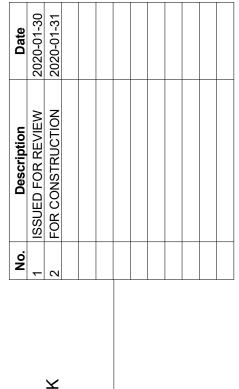


-	Description Date	ISSUED FOR REVIEW 2020-01-30	FOR CONSTRUCTION 2020-01-31									
	No.	1 ISSI	2 FOR									
	THE PAVILION CALVARY / CRAVEN PARK WAYNESVILLE, NC DRYE-MCGLAMERY ENGINEERING, PLLC 832 ARBOR ST. CONCORD, NC 28025											
			P				D /C					
			_	Y BY	-		_				 	
			PA	٩V	ILI	0	NI	٦L	AN	١S	 	
					S	5	_	2	)			





01-31-2020

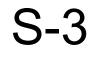


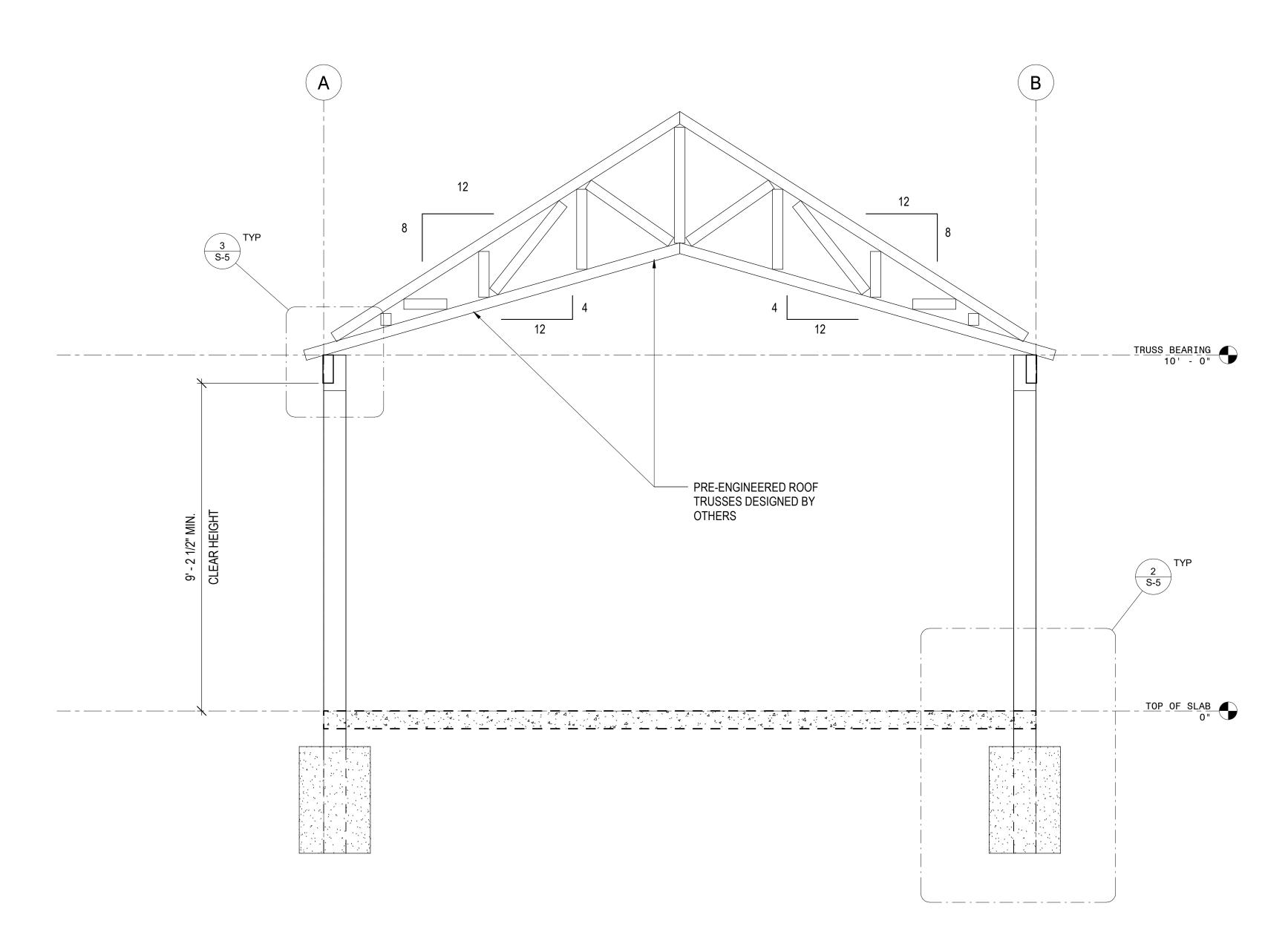


ISSUED FOR PERMIT/CONST.

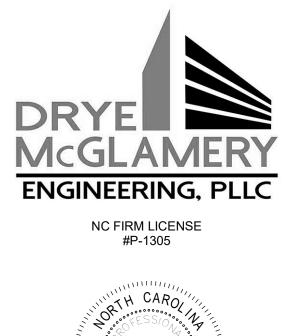
DRAWN BY HWD CHECKED BY HWD

ELEVATIONS





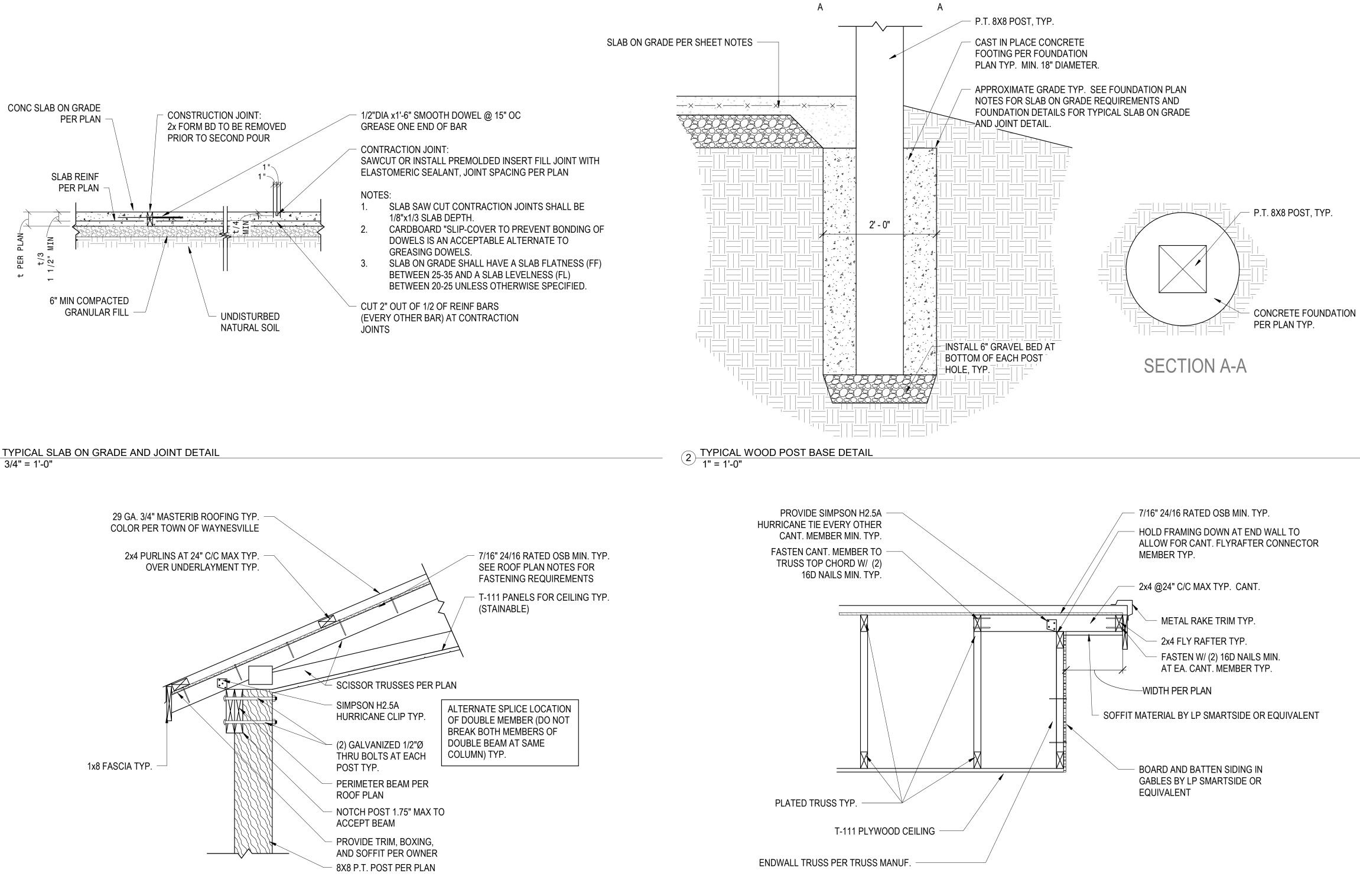
1 Detail 2 1/2" = 1'-0"



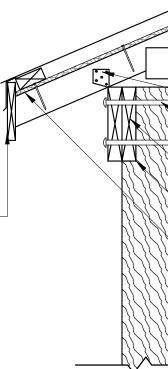


Date	2020-01-30	2020-01-31										
Description	<b>ISSUED FOR REVIEW</b>	FOR CONSTRUCTION										
No.	1	2										
	THE PAVILION CALVARY / CRAVEN PARK WAYNESVILLE, NC DRYE-MCGLAMERY ENGINEERING, PLLC 832 ARBOR ST. CONCORD, NC 28025											
					-	D /C	-					
DRA	ΝN	B١	(	-								
CHE	CKI	ED	ΒY	′ H	IW	D'						





1 TYPICAL SLAB ON GRADE AND JOINT DETAIL 3/4" = 1'-0"



3 TYPICAL TRUSS TO BEAM CONNECTION 1" = 1'-0"

4 TYPICAL RAKE DETAIL - TRUSS 1" = 1'-0"

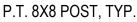


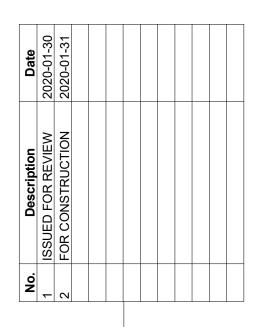
TH CARA

04079

WESTON

01-31-2020







#### ISSUED FOR PERMIT/CONST.

DRAWN BY HWD CHECKED BY HWD

STRUCTURAL DETAILS

