## MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMBER \$4\$ COLUMNS NAILED 8" O.C. STAGGERED ON EACH SIDE WITH 4" NAILS.

<u>MFS PRE-CAST CONCRETE COLUMN</u> - MORTON BUILDINGS FOUNDATION SYSTEM IS A PRE-ENGINEERED, 10,000 PSI, STEEL REINFORCED COLUMN FOR BELOW GROUND INSTALLATION. DESIGNED TO BE MECHANICALLY FASTENED TO ABOVE GROUND NAIL LAMINATED COLUMNS. THE SYSTEM IS DESIGNED TO RESIST BOTH AXIAL AND BENDING FORCES.

<u>FOOTINGS AND ANCHORAGE</u> - COLUMN HOLES ARE DUG A MINIMUM DEPTH OF 4'-0" BELOW GRADE (SEE PLANS FOR DIAMETER AND DEPTH). MFS PRE-CAST CONCRETE COLUMNS ARE PLACED IN THE HOLE. CONCRETE (MINIMUM COMPRESSIVE STRENGTH 2500 PSI) IS POURED IN PLACE TO THE SPECIFIED THICKNESS (SEE PLANS FOR REQUIRED THICKNESS ABOVE AND BELOW THE COLUMN). THE COLUMN IS THEN BACKFILLED WITH SOIL AND COMPACTED AT 8" INTERVALS OR BACKFILLED WITH CONCRETE (SEE PLANS).

TREATED LUMBER -- PRESSURE PRESERVATIVE TREATED LUMBER OTHER THAN LAMINATED COLUMNS ARE NO. 1 OR BETTER SOUTHERN YELLOW PINE AND CENTER MATCHED OR NOTCHED AND GROOVED OR \$45. PRESSURE TREATMENT TO GROUND CONTACT RETENTION WITH PRESERVATIVE TREATMENT COMPLYING WITH USE CATEGORY UC4B (AWPA OR ICC-ES) AND IN COMPLIANCE WITH USEPA GUIDELINES AND STANDARDS.

FRAMING LUMBER - SIDING NAILERS ARE 2x4 S4S OR 2x6 SPF NO. 2 OR BETTER SPACED APPROXIMATELY 36" O.C. WITH ALL JOINTS STAGGERED AT ATTACHMENT TO COLUMNS. ROOF PURLINS ARE 2x4 S4S NO. 2 OR BETTER ON EDGE SPACED APPROXIMATELY 24" O.C. ALL OTHER FRAMING LUMBER IS NO. 2 OR BETTER.

<u>ROOF TRUSSES</u> - FACTORY ASSEMBLED WITH 18 OR 20 GAUGE GALVANIZED STEEL TRUSS PLATES AS REQUIRED AND KILN DRIED LUMBER AS SPECIFIED, IN-PLANT QUALITY CONTROL INSPECTION IS CONDUCTED UNDER THE AUSPICES OF THE TPI INSPECTION BUREAU. TRUSSES ARE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS FOR THE STATED LOADING.

SIDING & ROOFING PANELS (FLUOROFLEX 1000 <sup>™</sup>) - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL WITH AN ADDITIONAL BAKED-ON 70% PVDF FINISH WITH A NOMINAL 1 MIL. PAINT THICKNESS ON EXTERIOR.

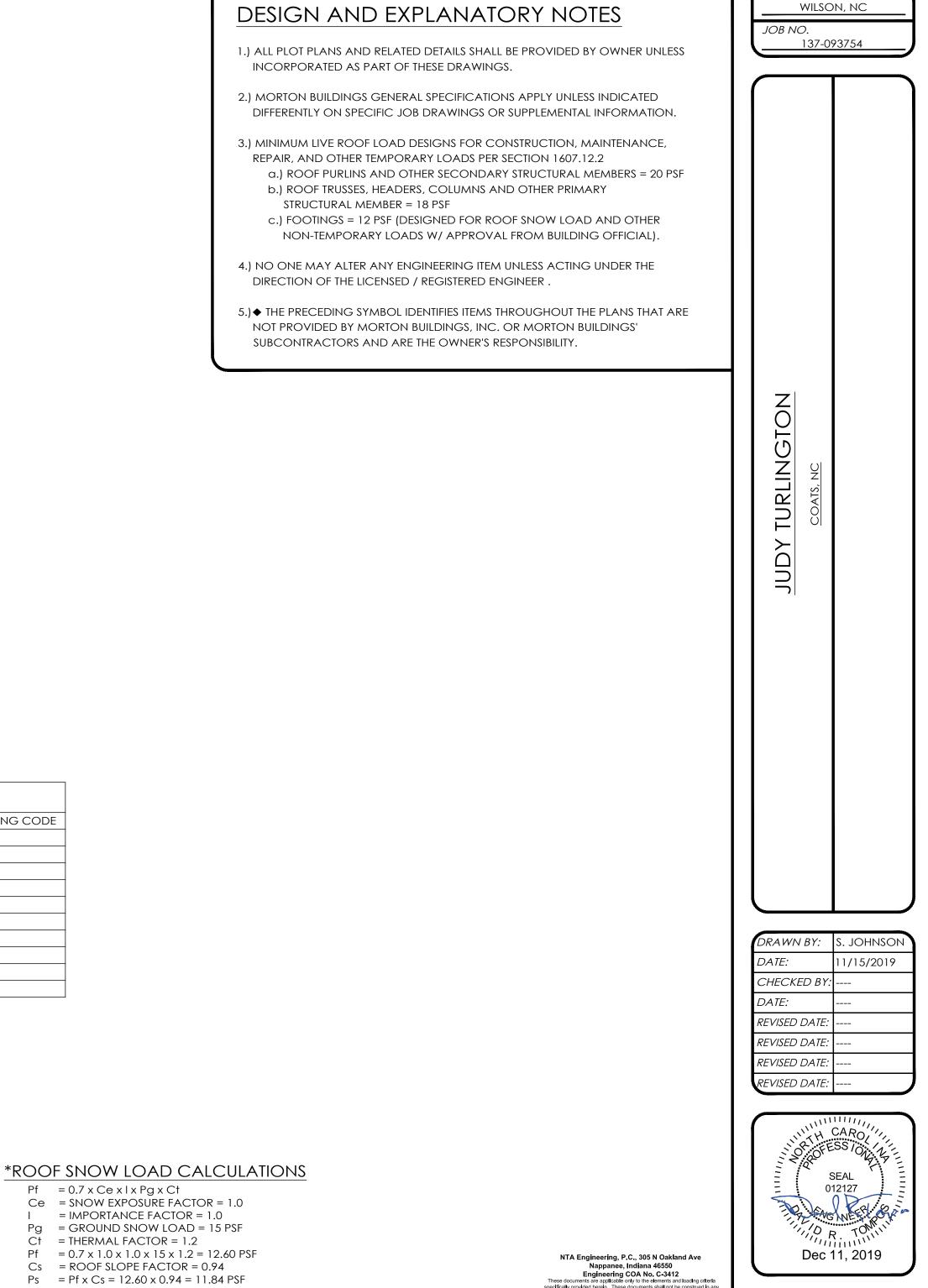
TRIM - DIE-FORMED TRIM OF 0.017" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS.

<u>GUTTERS</u> - 5" K-STYLE, .030 HIGH TENSILE ALUMINUM GUTTER, 70% PVDF FINISH TO MATCH TRIM, ON BOTH SIDES OF THE BUILDING. 2x4F1F1 02/12

BUILDING DESIGN CRITERIA				
BUILDING CODE	2018 NORTH CAROLINA BUILDING CODE			
USE GROUP	S-1			
CONSTRUCTION TYPE	VB			
RISK CATEGORY	II			
BUILDING AREA	1470 SQ. FT.			
MIN. LIVE ROOF LOAD DESIGN	SEE NOTE #3			
ROOF SNOW LOAD *	12 PSF			
GROUND SNOW LOAD	15 PSF			
WIND SPEED (VULT)	120 MPH			
WIND SPEED (VASD)	93 MPH			
WIND EXPOSURE	EXPOSURE C			

CURRE	NT LUMBER SPECIFICATIONS	(06-01-2013)
SIZE	DESCRIPTION	BENDING VALUE Fb
2x4	NO. 2 SPF	1313 PSI
2x4	NO. 1 SYP	1500 PSI
2x4	2100f MSR SPF	2100 PSI
2x6	NO. 2 SPF	1138 PSI
2x6	NO. 1 SYP	1350 PSI
2x6	2100f MSR SPF	2100 PSI
2X6	2400 MSR SYP	2400 PSI
2x8	NO. 1 SYP	1250 PSI
2x8	2400 MSR SYP	2400 PSI
2x10	NO. 1 SYP	1050 PSI
2x10	2400 MSR SYP	2400 PSI
2x12	NO. 1 SYP	1000 PSI
2x12	2250f MSR SYP	2250 PSI
1 1/2"x16"	LAMINATED VENEER LUMBER	2800 PSI
3 1/2"x15"	GLU-LAM	1650 PSI
5 1/4"x16 1/2"	GLU-LAM	2400 PSI
5 1/4"x19 1/2"	GLU-LAM	2400 PSI

SHEET INDEX		
SHEET#	DESCRIPTION	
G1 OF G1	SPECIFICATIONS & SHEET INDEX	
\$1 OF \$6	COLUMN PLAN	
S2 OF S6	TRUSS PLAN, TRUSS DRAWING, & DETAILS	
\$3 OF \$6	ELEVATIONS	
S4 OF S6	SECTIONS & DETAILS	
\$5 OF \$6	SECTIONS & DETAILS	
\$6 OF \$6	SECTIONS & DETAILS	

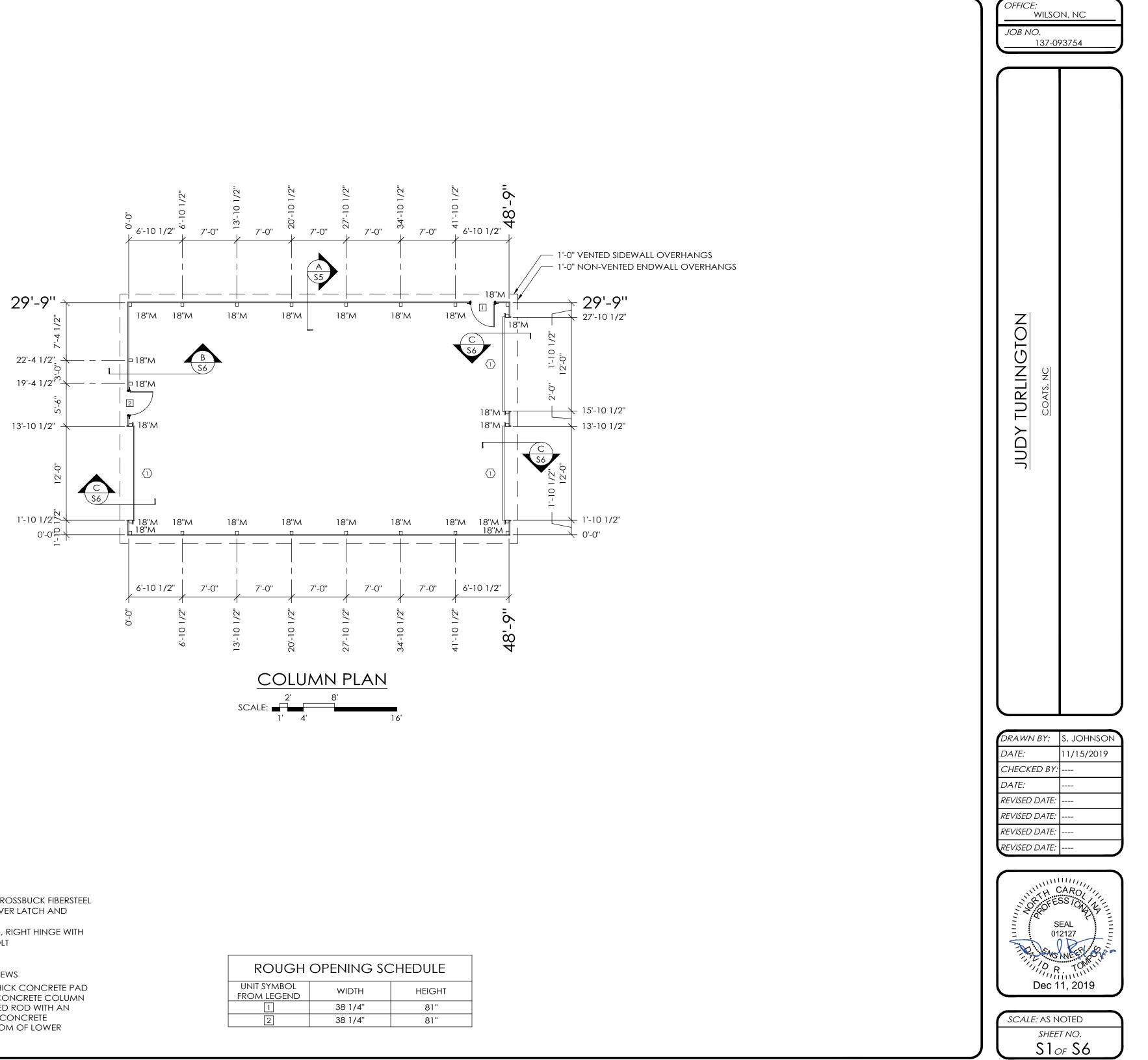


NTA Engineering, P.C., 305 N Oakland Ave Nappanee, Indiana 46550 Engineering COA No. C-3412 These documents are aplicable only to the elements and loading criteria specifically provided herein. These documents shall not be construed in any way to specified design any aspects of the building not contained herein. Specified design can aspect of the building not contained herein. Specified design can aspect of the building not contained herein. Specified design can aspect of the building not contained herein. NTA Engleneerlng. PC Is not responsible for flat/cation or erection. NTA Engleneerlng. PC Is not responsible for flat/cation or erection. NTA Engleneerlng. PC Is not responsible for flat/cation or that this document has been modified, substituted, or altered in any way, contact NTA Engleneerlng, PC. circetly to obtain file a copy.

SCALE: AS NOTED SHEET NO. Glof Gl

OFFICE:

Ν



COLUMN PLAN LEGEND

- 3-2x6 LAMINATED COLUMN LOCATION

1 - 3068 9-LITE TEMPERED GLASS IN LEAF WITH EMBOSSED CROSSBUCK FIBERSTEEL WALKDOOR, IN SWING, RIGHT HINGE WITH PASSAGE LEVER LATCH AND SINGLE CYLINDER DEADBOLT

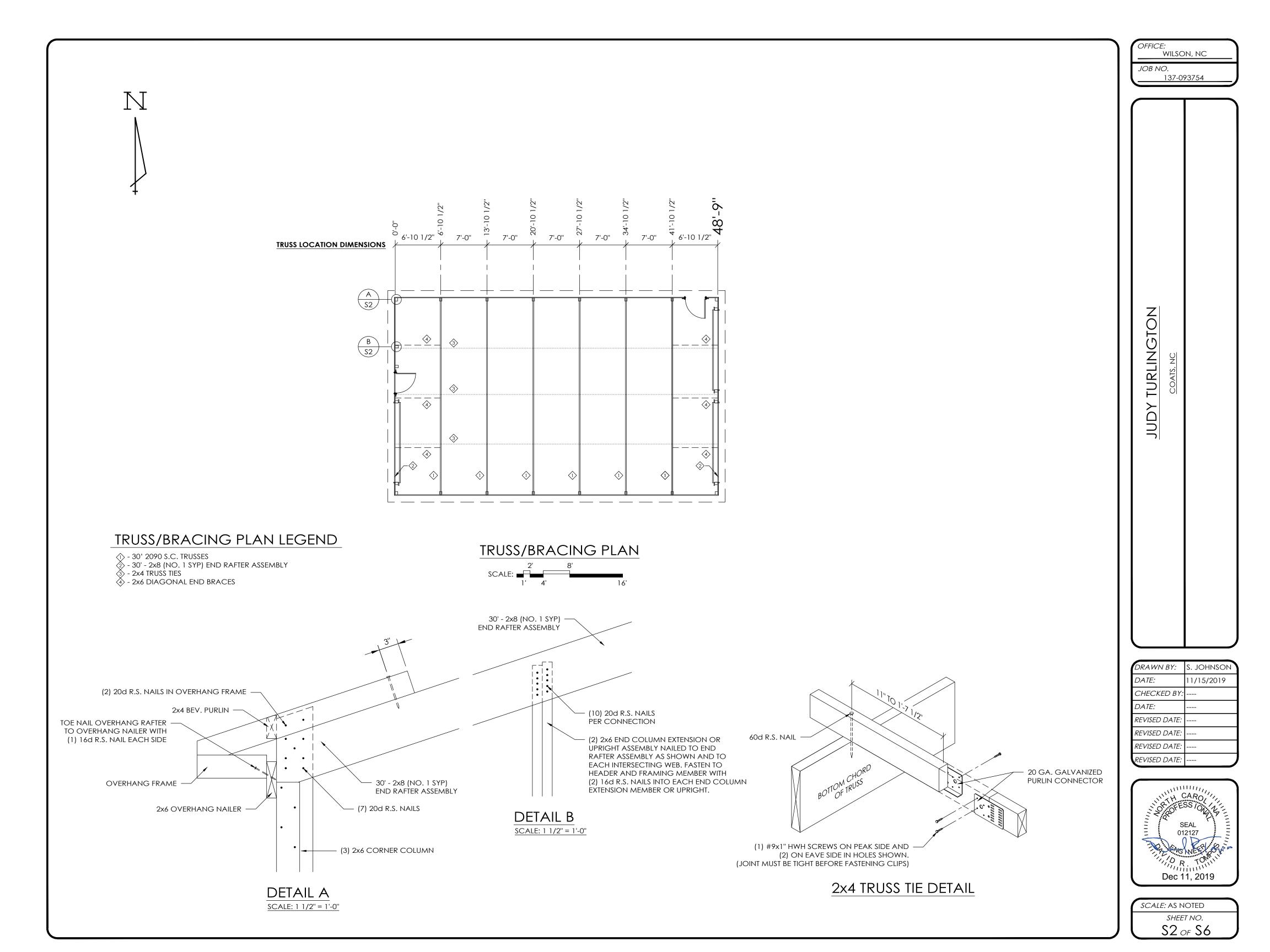
2 - 3068 PLAIN FLAT LEAF FIBERSTEEL WALKDOOR, IN SWING, RIGHT HINGE WITH PASSAGE LEVER LATCH AND SINGLE CYLINDER DEADBOLT

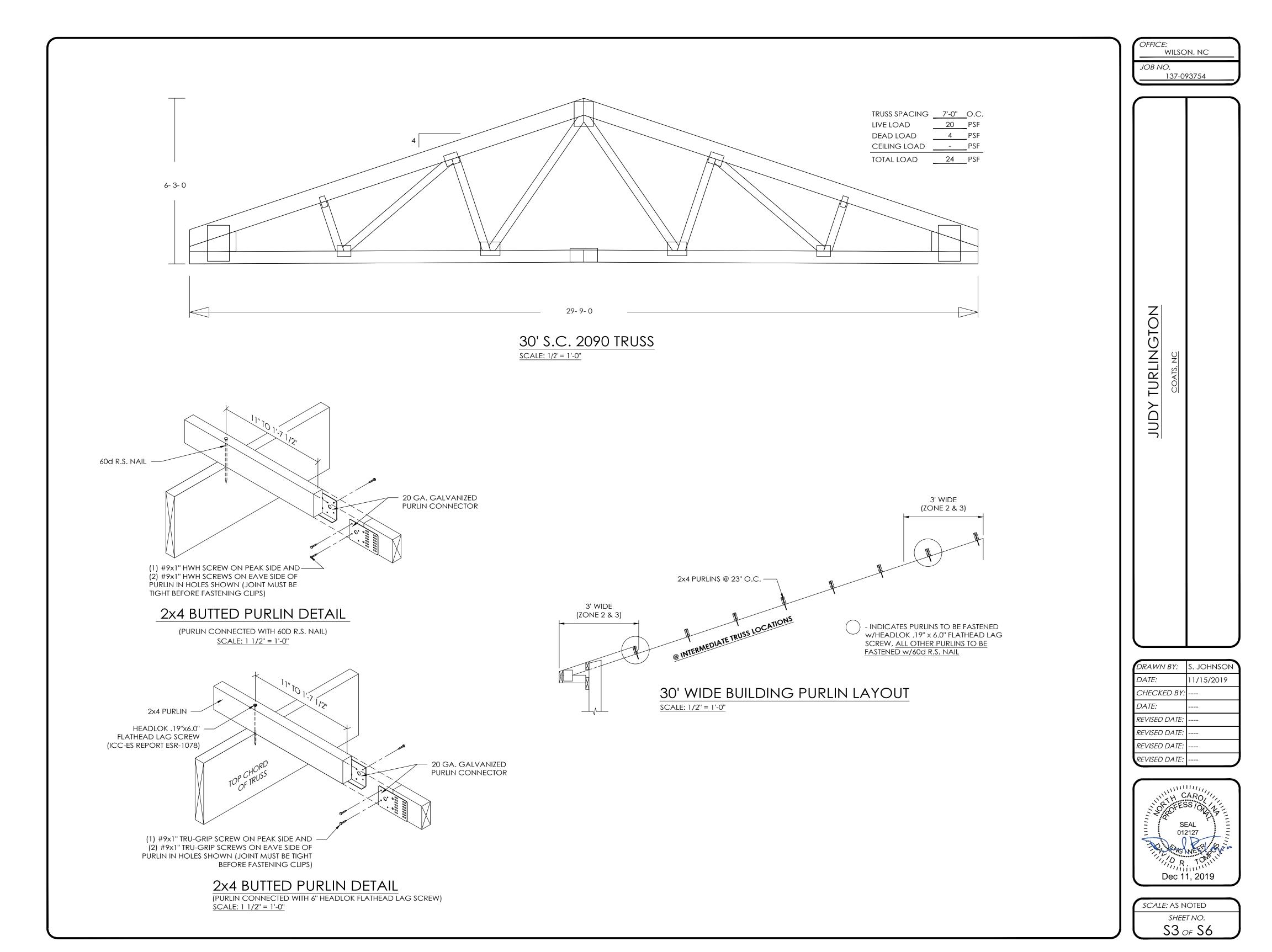
(1) - (3) 12'-2" x 12'-0" OVERHEAD DOORS - (8) 3065 SKYLITES (VERIFY LOCATIONS)

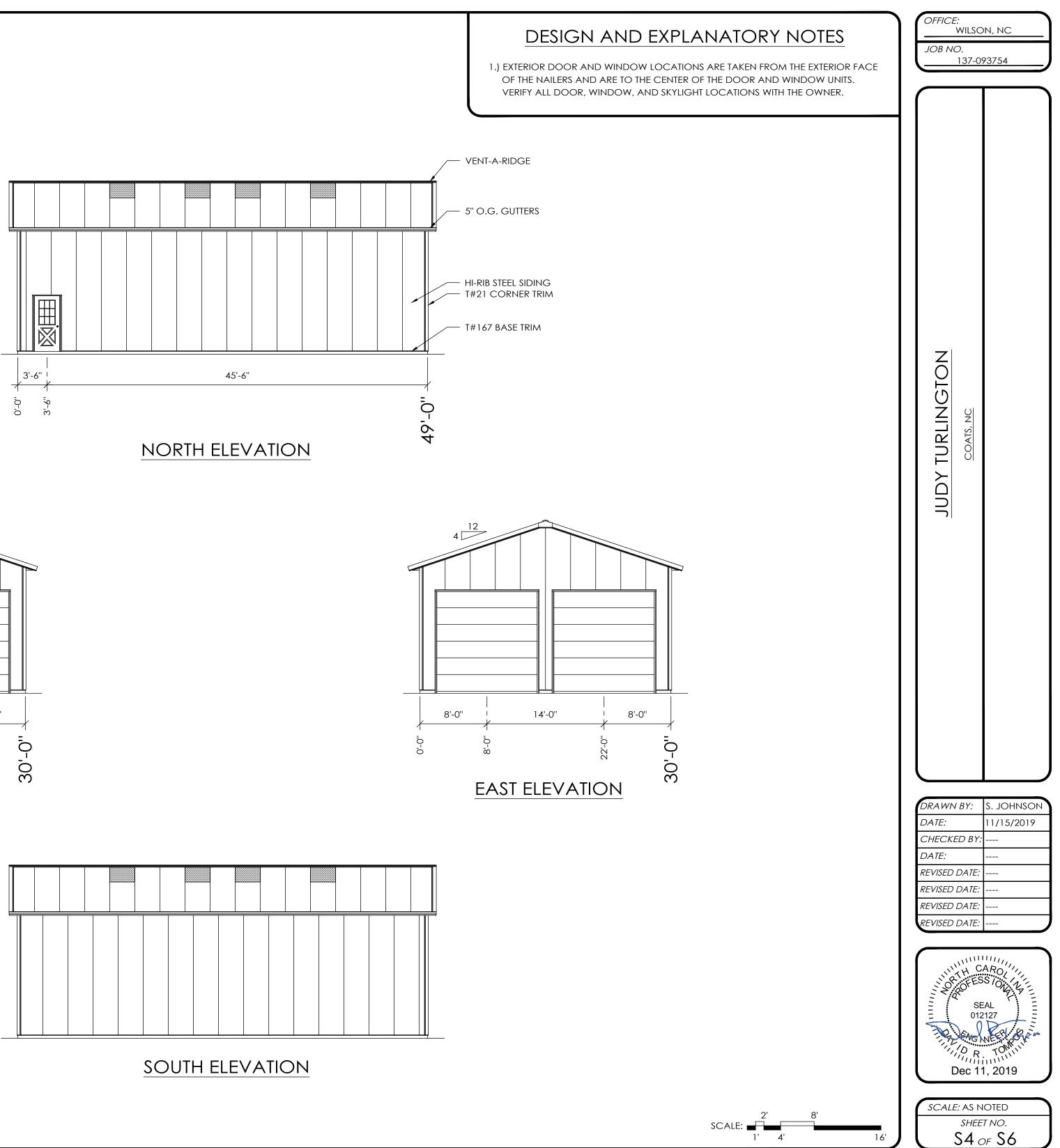
- ALL EXTERIOR STEEL FASTENED WITH STAINLESS STEEL SCREWS

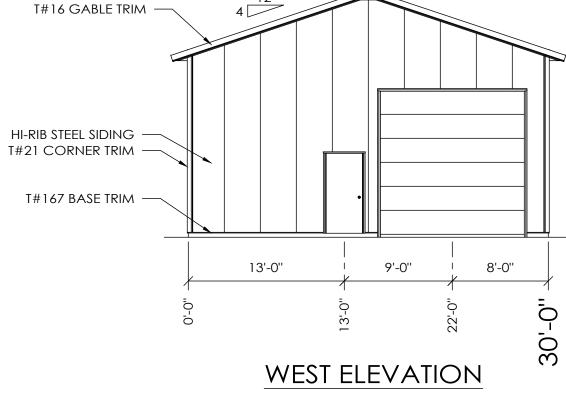
18"M - 18" DIAMETER FOOTING WITH 4'-0" TO BOTTOM OF 21" THICK CONCRETE PAD (2500 PSI MINIMUM). 20" BELOW BOTTOM OF PRECAST CONCRETE COLUMN AROUND EXPOSED REBAR CAGE AND 3/4"x14" THREADED ROD WITH AN ADDITIONAL MINIMUM 1" ABOVE BOTTOM OF PRECAST CONCRETE COLUMN. PLACE CONCRETE BELOW AND ABOVE BOTTOM OF LOWER COLUMN IN ONE OPERATION.

ROUGH OPENING SCHEDULE				
UNIT SYMBOL FROM LEGEND	WIDTH	HEIGHT		
1	38 1/4"	81"		
2	38 1/4"	81"		

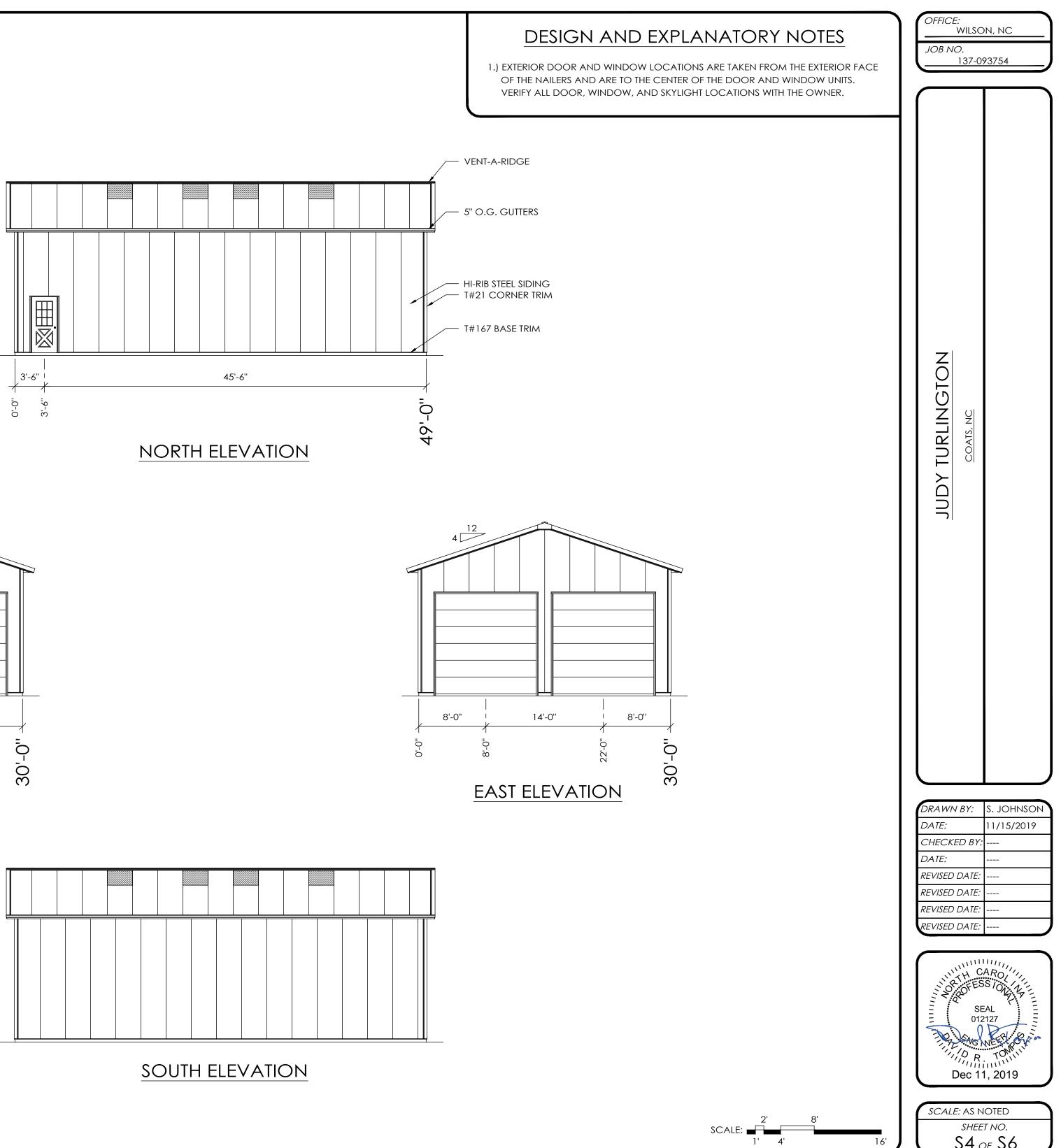


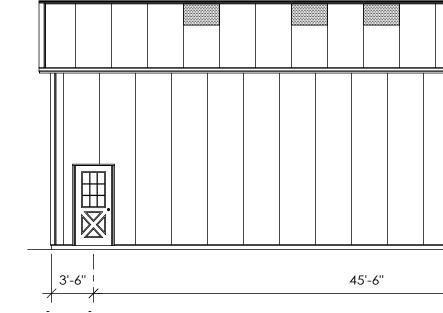


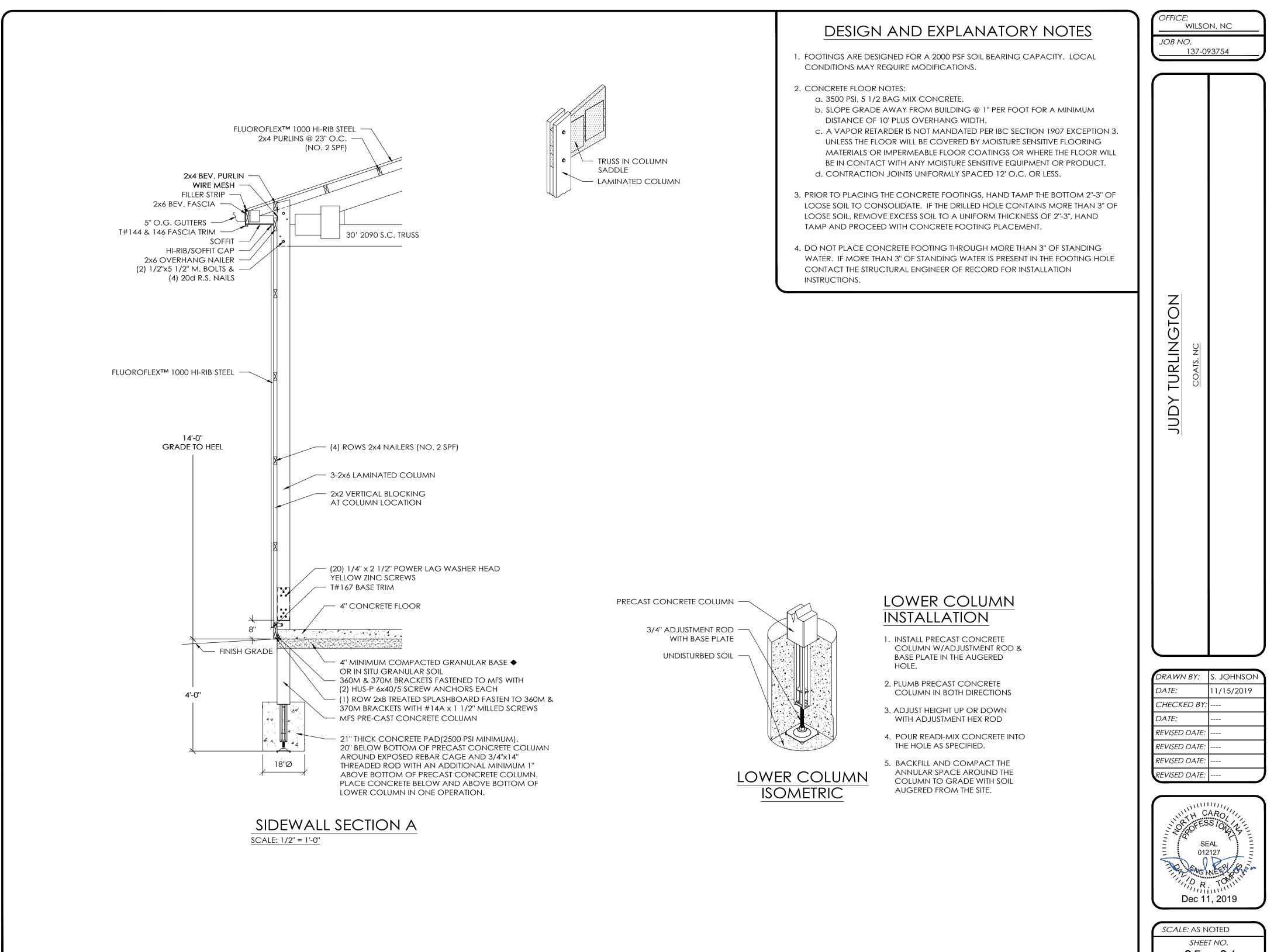




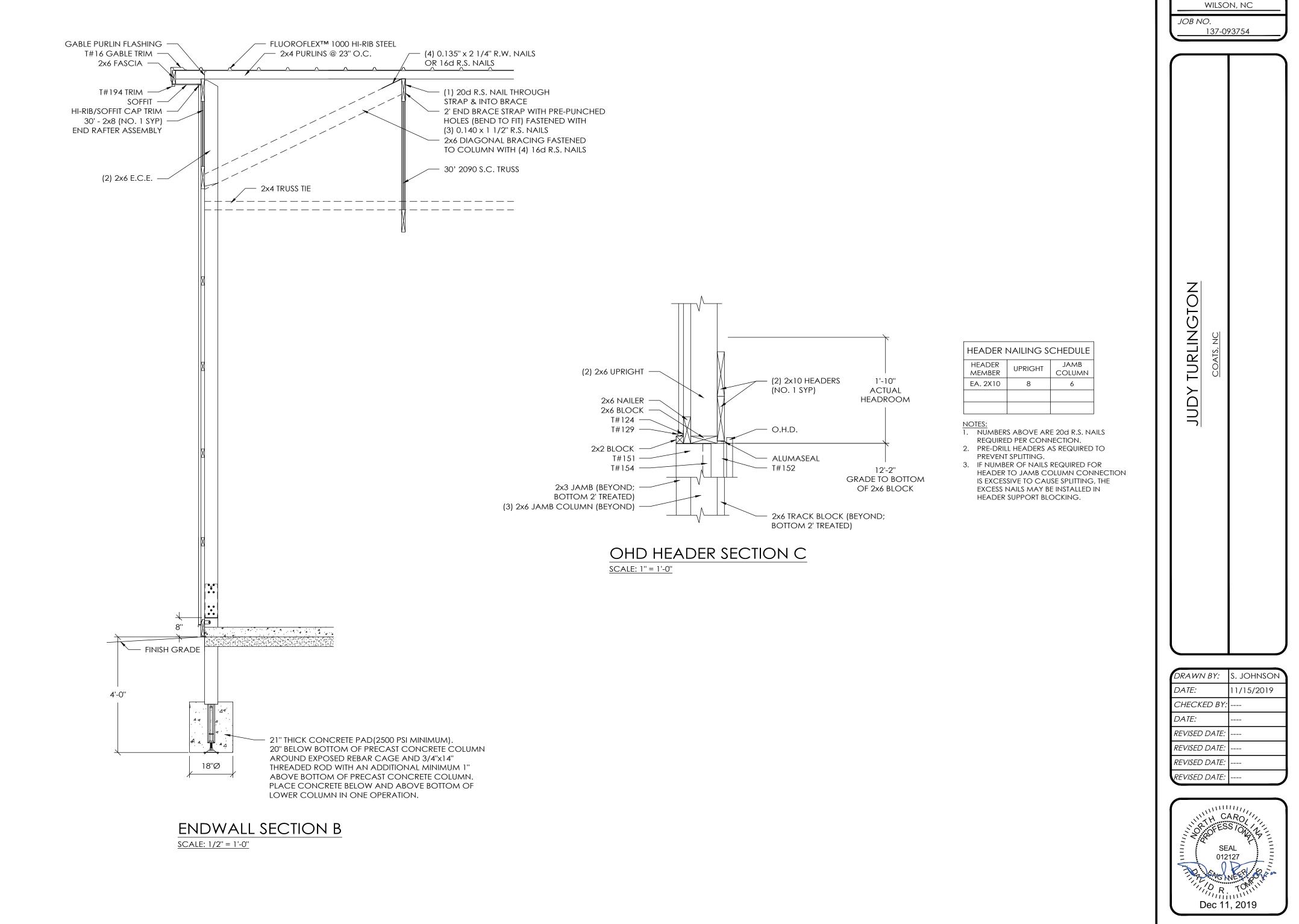








<i>SCALE:</i> AS NOTED	
SHEET NO.	
S5 of S6	



scale: as noted sheet no. S6 of S6

OFFICE: