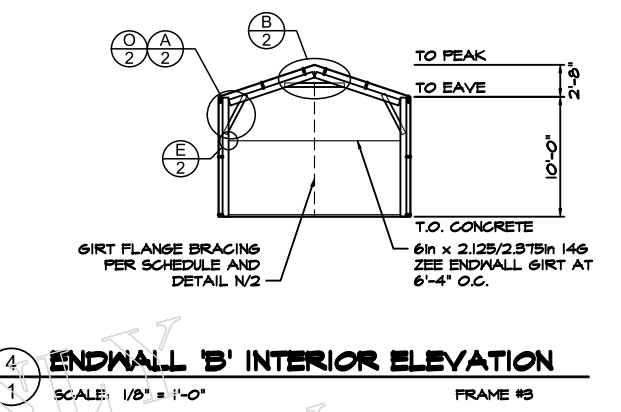
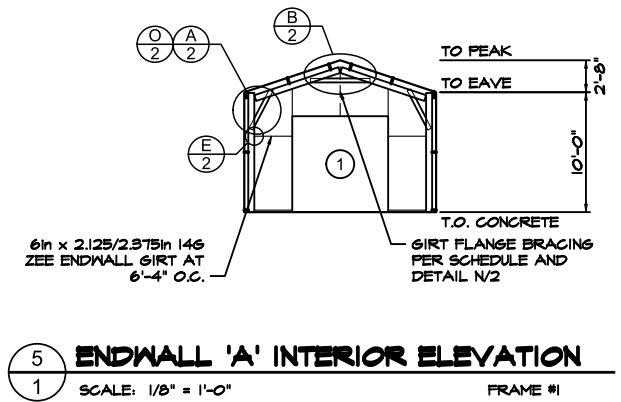
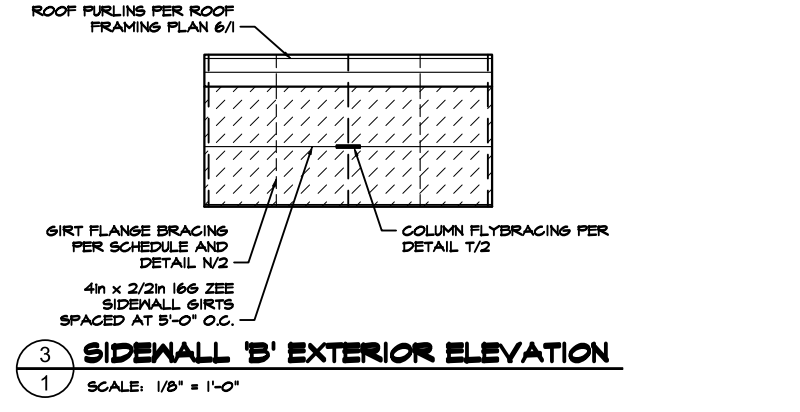
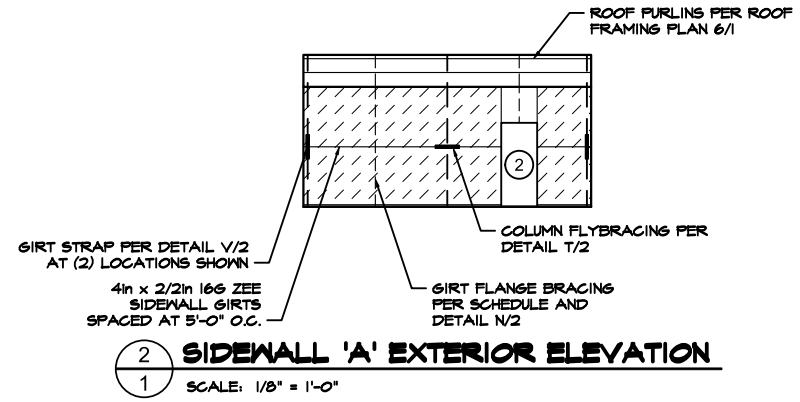


**DIAPHRAGM SCHEDULE**  
SHEETING IN DIAPHRAGM SECTIONS (SHOWN AS HATCHED AREA ON ELEVATIONS) NOT TO BE CUT UNDER ANY CIRCUMSTANCES

WALL	DISTANCE FROM WALL EDGE
Sidewall 'A'	0.0'-16.5' 19.5'-24.0'
Sidewall 'B'	0.0'-24.0'



**IMPORTANT:** IN ADDITION TO THESE PLANS (WHICH ALWAYS TAKE PRECEDENCE), YOU SHOULD HAVE THE FOLLOWING FROM ACT BUILDING SYSTEMS:

- CONSTRUCTION PACKAGE
- INSTALLATION MANUALS
- CONSTRUCTION VIDEOS

PLEASE CONTACT YOUR SALES REP IF YOU HAVE NOT RECEIVED THESE PRIOR TO STARTING CONSTRUCTION.

**PROJECT DESIGN CRITERIA**

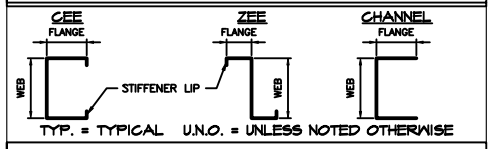
ROOF DEAD LOAD: 3 psf  
 ROOF COLLATERAL LOAD: 0 psf  
 GROUND SNOW LOAD: 35 psf  
 ROOF SNOW LOAD: 24.5 psf  
 ROOF LIVE LOAD: 20 psf  
 WIND SPEED: 115 mph  
 WIND EXPOSURE: C  
 Ss: 0.070 Sds: 0.075  
 S1: 0.043 Sd1: 0.069  
 SEISMIC DESIGN CATEGORY: A (for both periods)  
 R transverse: 3.0 R longitudinal: 3.0  
 RISK CATEGORY: II  
 SOIL BEARING PRESSURE: 1500 psf

WIND DESIGN OF LATERAL FORCE-RESISTING SYSTEMS IS BASED ON THE DIRECTIONAL DESIGN PROCEDURE OF ASCE T-10, CHAPTER 27.

SEISMIC DESIGN OF LATERAL FORCE-RESISTING SYSTEMS ARE AS FOLLOWS:  
 -- TRANSVERSE: ORDINARY STEEL MOMENT FRAME (SEISMIC DESIGN IS BASED ON ASCE 07-10, SECTIONS 12.1 - 12.13)  
 -- LONGITUDINAL: ORDINARY STEEL BRACED FRAME (SEISMIC DESIGN IS PERFORMED USING THE SIMPLIFIED DESIGN PROCEDURE (ASCE 07-10, SECTION 12.14).

DESIGN BASE SHEAR: IS SHOWN ON CALCULATION SHEET M2.

**COMPONENT DIAGRAM**



**WALL OPENING SCHEDULE**

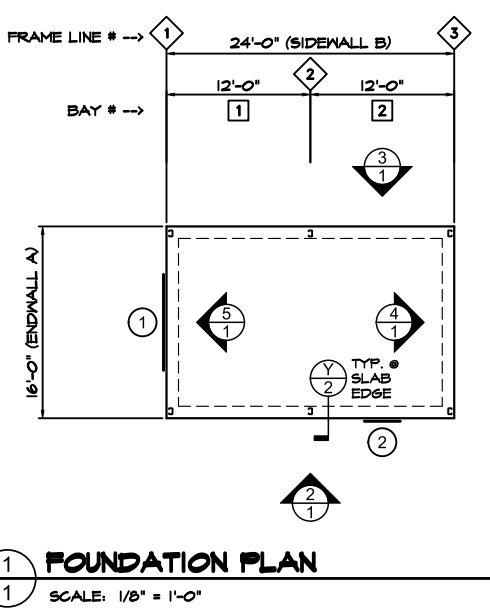
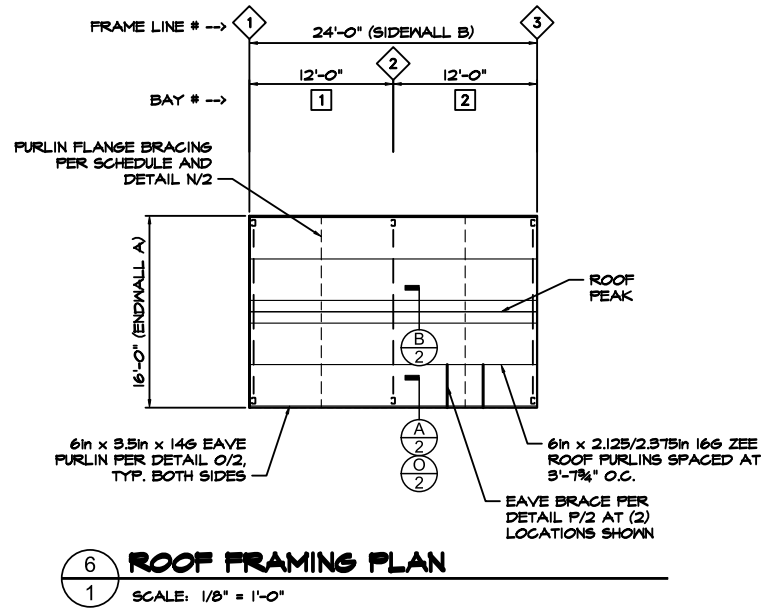
DOOR	WIDTH	HEIGHT	OPENING TYPE	HEADER GIRTS	OPENING JAMBS
1	8'-0"	8'-0"	SECTIONAL DOOR	SEE NOTE #4	C6X3.5 X16
2	3'-0"	7'-0"	PERSONNEL DOOR	SEE NOTE #4	CHN4X 2X16

NOTES:  
 1) JAMB MEMBERS SHOWN AS "CHN" ARE CHANNEL MEMBERS (WITHOUT STIFFENER LIPS) AND THOSE SHOWN AS "C" ARE CEE MEMBERS. FIRST NUMBER IS WEB DEPTH IN INCHES, SECOND NUMBER IS FLANGE WIDTH IN INCHES, AND THIRD NUMBER IS MATERIAL THICKNESS (GAUGE).  
 2) SEE DETAILS J/2 AND K/2 FOR OPENING FRAMING INFORMATION.  
 3) SIZE OF HEADER GIRTS MEMBER TO BE SAME AS SIDEWALL OR ENDWALL GIRTS, AS APPROPRIATE, PER ELEVATIONS. AT WINDOWS, INSTALL HEADER GIRTS SPECIFIED ABOVE AND BELOW WINDOWS, U.N.O.  
 4) AT OPENINGS NOTED ATTACH DOOR JAMBS TO UNDERSIDE OF ENDWALL RAFTER OR EAVE FURLIN PER DETAIL L/2.  
 5) ALL OPENINGS AND ACCESSORIES SHALL BE CAPABLE OF SUPPORTING ALL WIND PRESSURES PERPENDICULAR TO THE SURFACE (GENERATED BY WINDS AT THE SPEED AND EXPOSURE INDICATED ABOVE) BY SPANNING BETWEEN THE JAMBS.

**DEFLECTION LIMITS**

FURLINS:	L/150 (STD)
GIRTS:	L/90 (STD)
EW WIND COLUMNS:	L/120 (STD)
WALL PANEL:	L/60 (STD)

**ROOF DIAPHRAGM NOTE**  
ROOF SHEETING IS USED AS DIAPHRAGM TO BRACE THE BUILDING AND IS NOT TO BE CUT UNDER ANY CIRCUMSTANCES



NOTE: USE 1/2" x 3" DEWALT 'SCREW-BOLT+' ANCHOR IN 3 1/2" DEEP HOLES AT ANCHOR LOCATIONS PER BASE DETAIL F/2, INSTALLED PER ICC REPORT ESR-3004, SECTION 4.3.

NOTE: SEE "TYP. FRAME CROSS-SECTION" DETAIL ON SHEET 2 FOR SPECIFIC FRAME DETAIL INFORMATION.

NOTE: EXCEPT AT DOOR OPENINGS, INSTALL L4x2x1/8 ANGLE TO FOUNDATION (FOR ATTACHMENT OF BOTTOM OF WALL SIDING) WITH 1/4in X 1 1/4in NAIL DRIVE MASONRY ANCHOR ANCHORS AT 48" O.C. (6" MAX. FROM ANY END).

PRELIMINARY ONLY  
NOT FOR CONSTRUCTION

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CONSTRUCTION



**ACTBUILDING**  
SYSTEMS®

DISTRIBUTOR:  
Toro Steel Buildings  
JOB NAME:  
Toro Steel Buildings  
JOB ADDRESS:  
801 Broadway ave nw  
Grand Rapids, MI 49504

DRAWN  
CHECKED  
DATE  
6/18/2024  
JOB NO.  
VNUJ97238576

SHEET  
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OF  
**1**