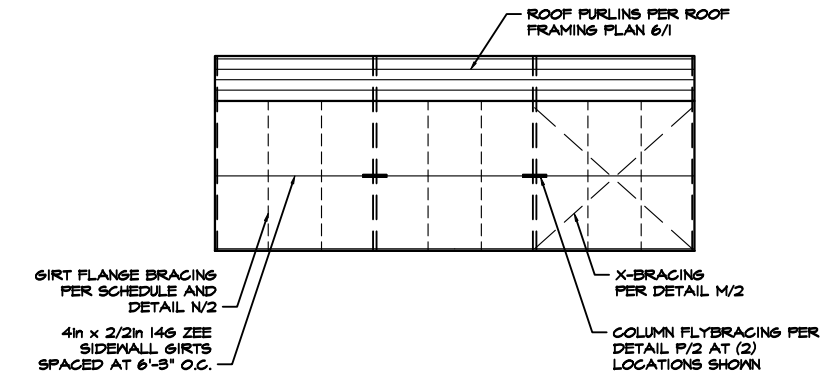
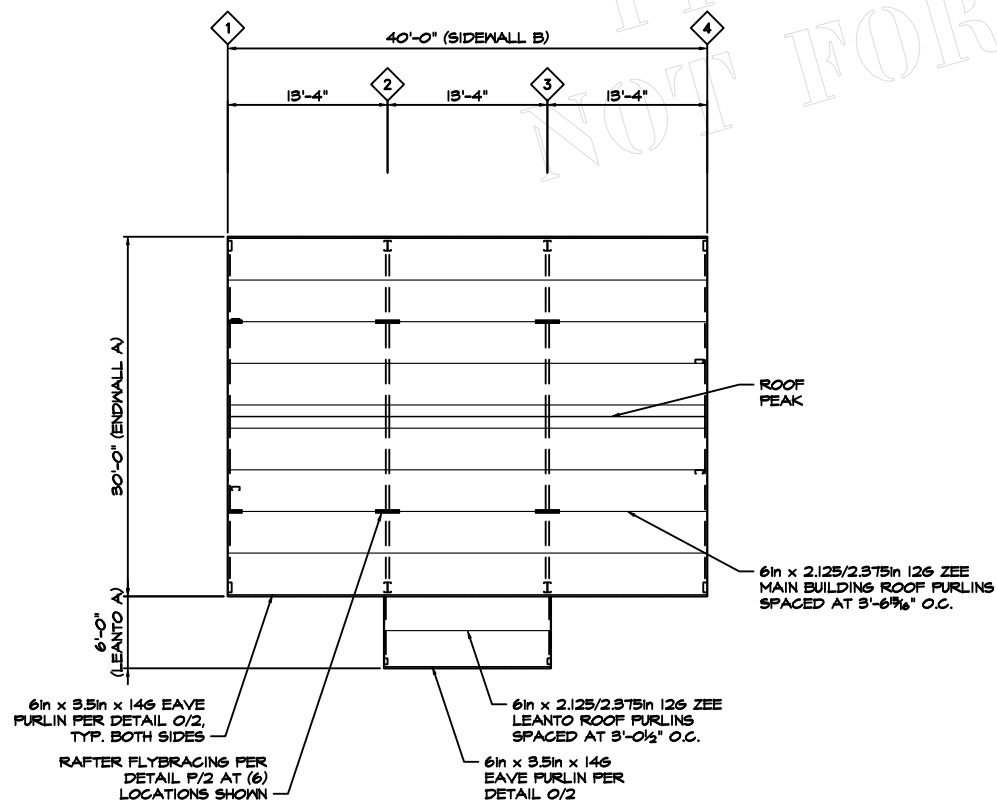


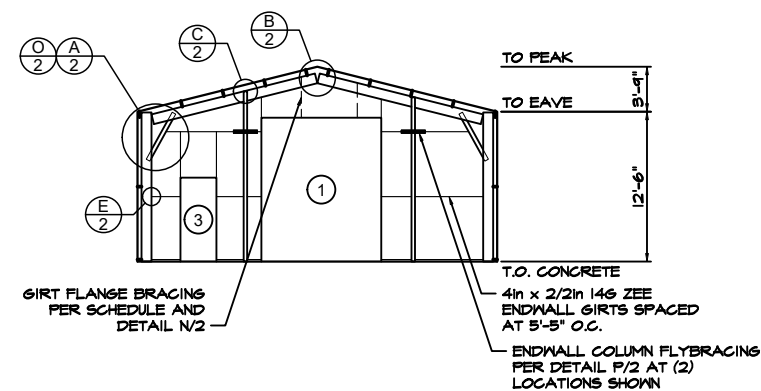
**2 SIDEWALL 'A' EXTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"



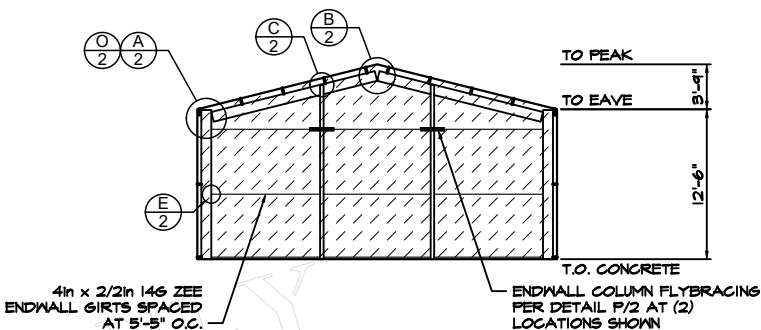
**3 SIDEWALL 'B' EXTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"



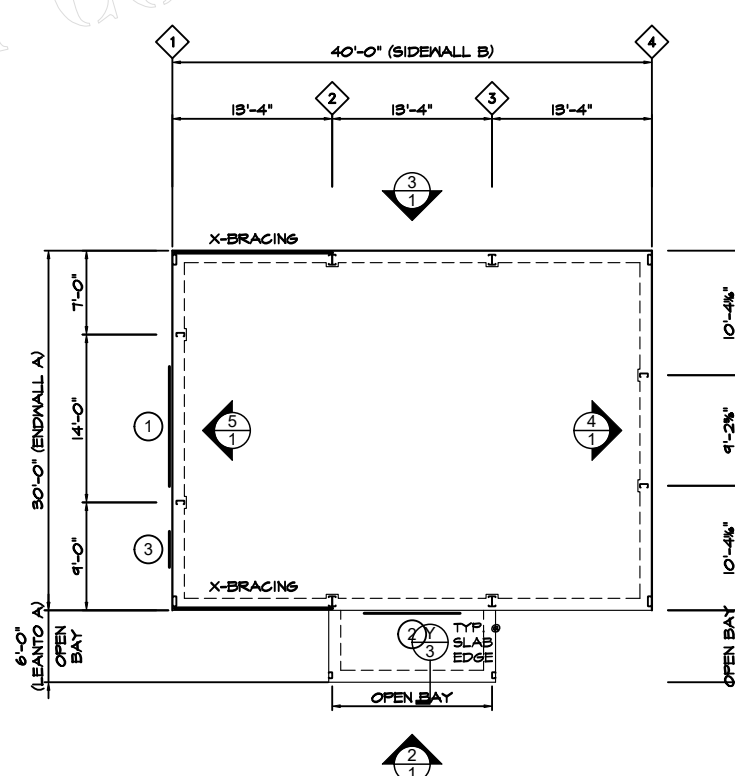
**6 ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"



**5 ENDWALL 'A' INTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"



**4 ENDWALL 'B' INTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"



**1 FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"

NOTE: USE 1/2" X 3" DEWALT 'SCREW-BOLT+' ANCHOR IN 3 1/2" DEEP HOLES AT ANCHOR LOCATIONS PER BASE DETAILS F/2 AND S/4, INSTALLED PER ICC REPORT ESR-3889, SECTION 4.3.

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

NOTE: EXCEPT AT DOOR OPENINGS, INSTALL L4x2x16S 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).

**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.

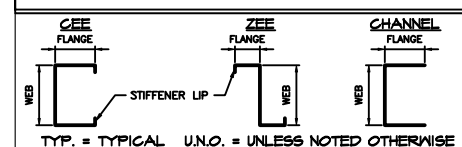
### PROJECT DESIGN CRITERIA

GOVERNING CODE: IBC 2021  
RISK CATEGORY: II  
ROOF DEAD LOAD: 3 psf  
ROOF COLLATERAL LOAD: 4 psf  
GROUND SNOW LOAD: 55 psf  
ROOF SNOW LOAD: 38.5 psf  
ROOF LIVE LOAD: 20 psf (REDUCIBLE)  
WIND ENCLOSURE: ENCLOSED  
WIND SPEED: 106 mph  
WIND EXPOSURE: C  
Ss: 0.083  
Sl: 0.046  
SEISMIC DESIGN CATEGORY: B  
R transverse: 3  
R longitudinal: 3  
SOIL BEARING PRESSURE: 1500 psf

WIND DESIGN OF LATERAL FORCE-RESISTING SYSTEMS IS BASED ON THE DIRECTIONAL DESIGN PROCEDURE OF ASCE 7-16, CHAPTER 27

SEISMIC DESIGN OF LATERAL FORCE-RESISTING SYSTEMS ARE AS FOLLOWS:  
-- TRANSVERSE: ORDINARY STEEL MOMENT FRAME (SEISMIC DESIGN IS BASED ON ASCE 07-16, SECTIONS 12.1 - 12.13)  
-- LONGITUDINAL: ORDINARY STEEL BRACED FRAME (SEISMIC DESIGN IS PERFORMED USING THE SIMPLIFIED DESIGN PROCEDURE (ASCE 07-16, SECTION 12.14).

### COMPONENT DIAGRAM



### WALL OPENING SCHEDULE

DOOR	WIDTH	HEIGHT	TYPE	HEADER GIRT	JAMBS
1	10'-0"	12'-0"	SECTIONAL DOOR	SEE NOTE #4	C4X2.5 X14
2	8'-0"	8'-0"	SECTIONAL DOOR	SINGLE	C4X2.5 X16
3	8'-0"	7'-0"	PERSONNEL DOOR	SINGLE	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 GIRT MEMBER TO BE SAME AS SIDEWALL OR ENDWALL GIRT, AS APPROPRIATE, PER ELEVATIONS. AT WINDOWS, INSTALL HEADER GIRT SPECIFIED ABOVE AND BELOW WINDOWS, U.N.O.  
4) AT OPENINGS NOTED, INSTEAD OF ATTACHING DOOR JAMBS TO HEADER GIRT PER DETAIL L1/2 ATTACH DOOR JAMBS TO UNDERSIDE OF ENDWALL RAFTER PER DETAIL L2/2.  
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)

PRELIMINARY  
ONLY NOT FOR  
CONSTRUCTION



**ACTBUILDING**  
SYSTEMS

DISTRIBUTOR: Toro Steel Buildings  
JOB NAME: 30x40 Workshop Building  
JOB ADDRESS: 801 Broadway Avenue NW  
Grand Rapids, MI 49504

DRAWN  
CHECKED  
DATE: 8/22/2025  
JOB NO.: VNUJ1015060717  
SHEET  
1 OF 1