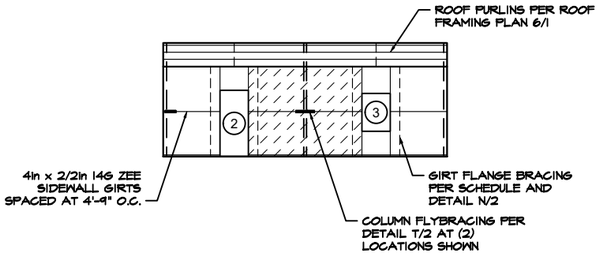
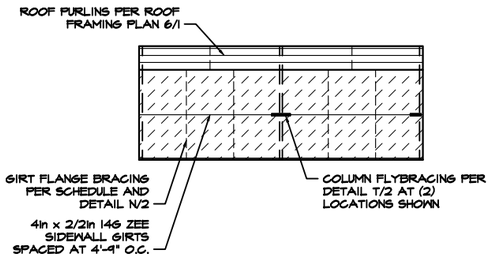


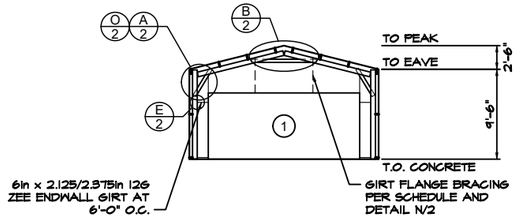
2/1 SIDEWALL 'A' EXTERIOR ELEVATION

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



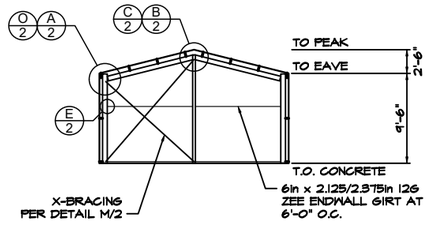
3/1 SIDEWALL 'B' EXTERIOR ELEVATION

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



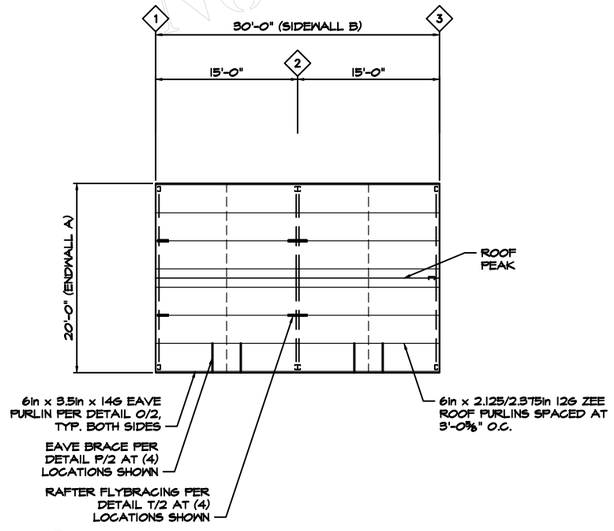
5/1 ENDWALL 'A' INTERIOR ELEVATION

SCALE: 1/8" = 1'-0" FRAME #1



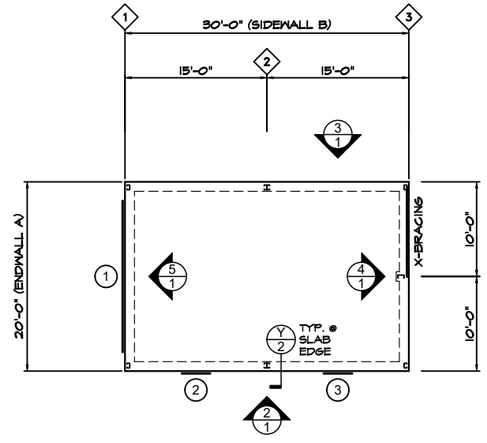
4/1 ENDWALL 'B' INTERIOR ELEVATION

SCALE: 1/8" = 1'-0" FRAME #3



6/1 ROOF FRAMING PLAN

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



1/1 FOUNDATION PLAN

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

NOTE: USE ½" X 3" DEWALT 'SCREW-BOLT+' ANCHOR IN 3½" DEEP HOLES AT ANCHOR LOCATIONS PER BASE DETAIL F/2, 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 L4x2x16G ANGLE TO FOUNDATION (FOR ATTACHMENT OF BOTTOM OF WALL SIDING) WITH 1/4in X 1 1/4in NAIL DRIVE MASONRY ANCHOR ANCHORS AT 42.26" 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.

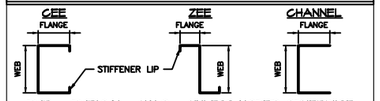
PROJECT DESIGN CRITERIA

GOVERNING CODE: IBC 2021
RISK CATEGORY: II
ROOF DEAD LOAD: 3 psf
ROOF COLLATERAL LOAD: 4 psf
GROUND SNOW LOAD: 55 psf Ct = 1.0
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 Sds: 0.089
S1: 0.046 Sd1: 0.074
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



TYP. = TYPICAL U.N.O. = UNLESS NOTED OTHERWISE

WALL OPENING SCHEDULE

DOOR	WIDTH	HEIGHT	TYPE	HEADER GIRT	JAMBS
1	16'-0"	7'-0"	SECTIONAL DOOR	SEE NOTE #4	C6X3.5 X16
2	3'-0"	7'-0"	PERSONNEL DOOR	SEE NOTE #4	CHN4X 2X16
3	3'-0"	4'-0"	WINDOW	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 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 ATTACH DOOR JAMBS TO UNDERSIDE OF KNEE BRACE PER DETAIL L1/2, EAVE PURLIN 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

PURLINS:	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: 20x30 One Car Garage Workshop
JOB ADDRESS: 801 Broadway Avenue NW Grand Rapids, MI 49504

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