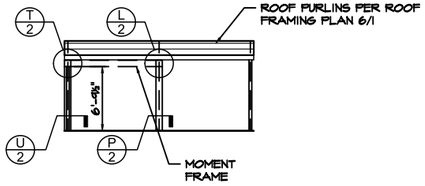
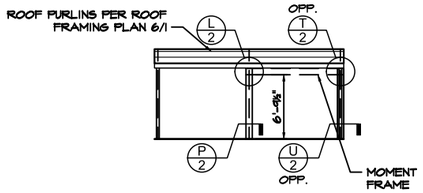


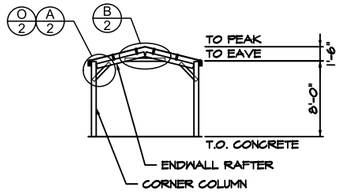
2/1 SIDEWALL 'A' EXTERIOR ELEVATION

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



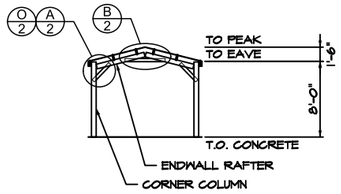
3/1 SIDEWALL 'B' EXTERIOR ELEVATION

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

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

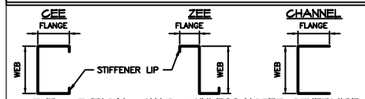
ROOF DEAD LOAD: 3 psf
ROOF COLLATERAL LOAD: 0 psf
GROUND SNOW LOAD: 35 psf Ct = 1.2
ROOF SNOW LOAD: 29.4 psf
ROOF LIVE LOAD: 20 psf
WIND SPEED: 115 mph
WIND EXPOSURE: C
Ss: 0.070 Sds: 0.075
S1: 0.043 Sd1: 0.069
SEISMIC DESIGN CATEGORY: A (for both periods)
R transverse: 3.0 R longitudinal: 3.0
RISK CATEGORY: II
SOIL BEARING PRESSURE: 1500 psf

WIND DESIGN OF LATERAL FORCE-RESISTING SYSTEMS IS BASED ON THE DIRECTIONAL DESIGN PROCEDURE OF ASCE 7-10, 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 - 12.18)
-- 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

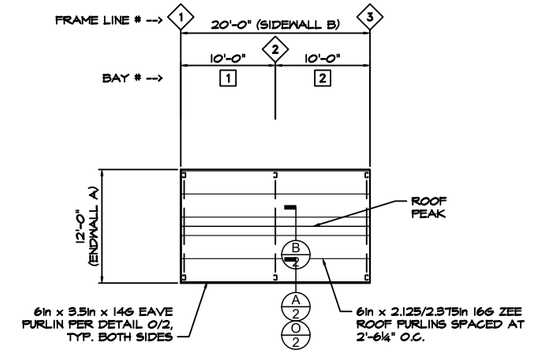


TYP. = TYPICAL U.N.O. = UNLESS NOTED OTHERWISE

DEFLECTION LIMITS

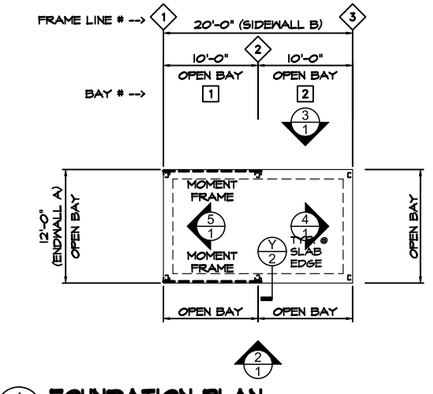
PURLINS:	L/150 (STD)
GIRTS:	L/90 (STD)
EW WIND COLUMNS:	L/120 (STD)
WALL PANEL:	L/60 (STD)

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



6/1 ROOF FRAMING 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.

1/1 FOUNDATION PLAN

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

PRELIMINARY
ONLY NOT FOR
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. VNUJ97239577
SHEET 1 OF 1