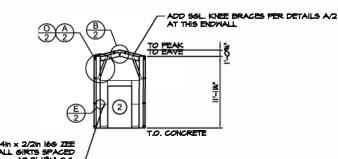
### ENDWALL 'B' INTERIOR ELEVATION

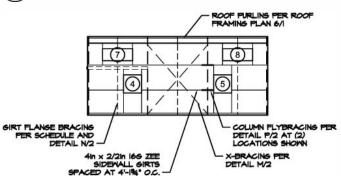
SCALE: 1/8" = 1'-0"

FRAME #4



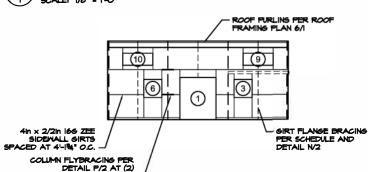
## ENDWALL 'A' INTERIOR ELEVATION

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



## 3 SIDEWALL 'B' EXTERIOR ELEVATION

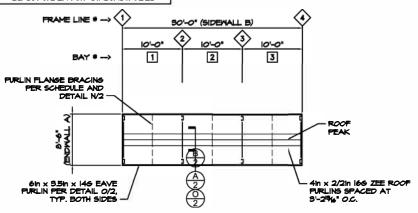
SCALE: 1/8" = 1'-0"



## SIDEWALL 'A' EXTERIOR ELEVATION

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

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



# ROOF FRAMING PLAN

NOTE: STAIR DESIGN, MATERIALS, AND INSTALLATION TO BE PROVIDED BY OTHERS.

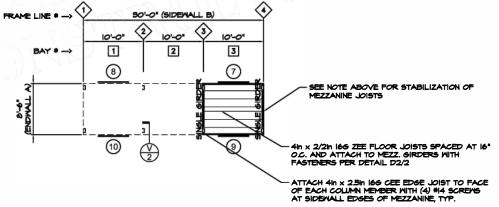
DESIGN, MATERIALS, AND INSTALLATION OF ALL GUARDRAILS OR WALLS AT EXPOSED EDGES OF MEZZANINE FLOOR TO BE PROVIDED BY OTHERS.

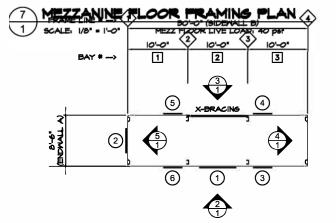
NOTE: SEE DETAIL T/2 FOR FLOOR FRAMING AROUND FLOOR OPENING FOR STAIRWAY. STAIR TO BE LOCATED BY CUSTOMER.

NOTE: INSTALL 3/4in 48/24 MIN. CDX PLYMOOD AT MEZZANINE FLOOR, ATTACH TO STEEL FRAMING WITH #10 MIN. SCREMS AT 6" O.C. AT PANEL EDGES, 12" O.C. IN FIELD. STAGGER ALL PLYMOOD JOINTS PARALLEL TO FLOOR JOISTS, SUPPORT ALL EDGES WITH JOIST MATERIAL OR USE PLYWOOD WITH TONGUE AND GROOVE EDGES.

MEZZANINE JOIST STABILIZATION: I) NEAR CENTER OF BUILDING AT EACH MEZZANINE GIRDER, ATTACH MIN. 15in X IGG STRAP WITH (2) #IO SCREMS TO GIRDER ADJACENT TO ONE FLOOR JOIST, RUN STRAP UP AND OVER TOP OF A MIN. OF TWO JOISTS, THEN BACK DOWN TO GIRDER AT ADJACENT JOIST AND ATTACH STRAP WITH (2) #10 SCREWS TO MEZZANINE GIRDER, INSTALL #10 SCREW THRU STRAP INTO THE TOP OF EACH JOIST CROSSED.

2) INSTALL 4in X 2in (VERTICAL : HORIZ.)
166 ANGLE AT ENDS OF JOISTS (FULL MIDTH OF MEZZANINE) AT EDGES OF MEZZANINE FLOOR (2 PLACES) AND FASTEN TO TOP FLANGE OF FLOOR JOIST ENDS WITH #10 SCREW INTO EACH JOIST.





NOTE : DESIGN OF CONCRETE FOUNDATION TO SUPPORT BUILDING SHOWN IS TO BE PROVIDED BY OTHERS. BRAND, TYPE, AND EMBEDMENT OF NCHORAGE OF BUILDING COMPONENTS TO CONCRETE REFER TO COLUMN BASE DETAILS FOR

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

NCHOR LOCATIONS AND DIAMETER

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 psi ROOF COLLATERAL LOAD: O psi GROUND SNOW LOAD: 50 pst ROOF SNOW LOAD: 35 psi ROOF LIVE LOAD: 20 ps WIND SPEED: 150 mph

WIND EXPOSURE: C 5s: 0.070 5ds: 0.015 SI: 0.043 Sdl: 0.069

SEISMIC DESIGN CATEGORY: A (for both periods)

R transverse: 3.0 R longitudinal: 3.0 RISK CATEGORY: II

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

SEISMIC DESIGN OF LATERAL FORCE-RESISTING SYSTEMS ARE AS

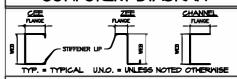
FOLLOWS:

- TRANSVERSE: ORDINARY STEEL MOMENT FRAME (SEISMIC DESIGN IS BASED ON ASCE 07-10, SECTIONS [2] - [2]8)

- LONGTUDINAL: ORDINARY STEEL BRACED FRAME. (SEISMIC DESIGN IS PERFORMED USING THE SIMPLIFIED DESIGN PROCEDURE

DESIGN BASE SHEAR: IS SHOWN ON CALCULATION SHEET M2.

### COMPONENT DIAGRAM



#### WALL OPENING SCHEDULE

	_	_		_	_
DOOR	MIDTH	HEIGHT	OPENING TYPE	HEADER GIRT	OPENIN JAMBS
1	6'-0"	7'-0"	MINDOM	SINGLE	CHN4X 2XI6
2	4'-0"	7'-0"	MINDOM	SINGLE	CHN4X 2XI6
3-4	9'-0"	3-0"	MINDOM	SEE NOTE #4	CHN4X 2XI6
(5-6)	9'-0"	9'-0"	MINDOM	SINGLE	CHN4X 2XI6
7-10	5'-0"	2'-0"	MINDOM	SEE NOTE #4	CHN4X 2XI6
NOTES:					

) JAMB MEMBERS SHOWN AS "CHIN" ARE CHANNEL MEMBERS (NITHOUT STIFFENER LIPS), FIRST NAMBER IS WED DEPTH IN INCHES, SECOND NAMBER IS FLANGE WIDTH IN INCHES, AND THIRD NAMBER IS MATERIAL THICKNESS (GAUGE). 2) SEE DETAILS 1/2 AND K/2 FOR OPENING FRAMING INFORMATION.

INFORMATION.

3) SIZE OF HEADER GIRT MEMBER TO BE SAME AS
SIDEMALL OR ENDWALL GIRT, AS APPROPRIATE, PER
ELEVATIONS. AT MINDOWS, INSTALL HEADER GIRT
SPECIFIED ABOVE AND BELOW MINDOWS, UN.O.

4) AT OPENINGS NOTED, INSTEAD OF ATTACHING DOOR
JAMES TO HEADER GIRT PER DETAIL LI/2 ATTACH DOOR
JAMES TO UNDERSIDE OF MEZZANINE EDGE JOIST OR 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

### DEFLECTION LIMITS

PURLINS:	L/I50 (STD)
GIRTS:	L/90 (STD)
EM WIND COLUMNS:	L/120 (STD)
WALL PANEL.	1 /60 (STD)

BUILDING LAYOUT PLAN

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

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Building

Broadway ave nw d Rapids, MI 4950∠

Building

Steel Steel

CONSTIR

VNUJ97232763