

LOAD CASES

WIND L1 = WIND LOAD FROM LEFT CASE 1
 WIND R1 = WIND LOAD FROM RIGHT CASE 1
 WIND LNT = LONGITUDINAL WIND CASE 1
 SEISMIC L = SEISMIC LOAD FROM LEFT
 SEISMIC R = SEISMIC LOAD FROM RIGHT
 SEISMIC LN = LONGITUDINAL SEISMIC LOAD
 FIUNB_SL_L = FRAME 1 UNBALANCED SNOW LEFT SIDE
 FIUNB_SL_R = FRAME 1 UNBALANCED SNOW RIGHT SIDE
 F1CRANE 1 = FRAME 1 CRANE LOAD IN POSITION 1
 DRIFT = SNOW DRIFT LOAD
 SLIDE = SLIDE SNOW LOAD

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	= 30
Length (ft)	= 40
Eave Height (ft)	= 40 / 10
Roof Slope	= 2.0/12 / 2.0-12
Dead Load (psf)	= 2,000
Collateral Load (psf)	= 20.00
Roof Live Load (psf)	= 3.85
Roof Snow Load (psf)	= 30
Wind Speed (mph)	= IBC 06
Wind Exposure	= C
Closed/Open	= Closed
Importance - Wind	= 1.00
Importance - Seismic	= 1.00
Seismic Design Category	=
Seismic Coeff (Fa/Sa)	= 0.096

Load Combinations

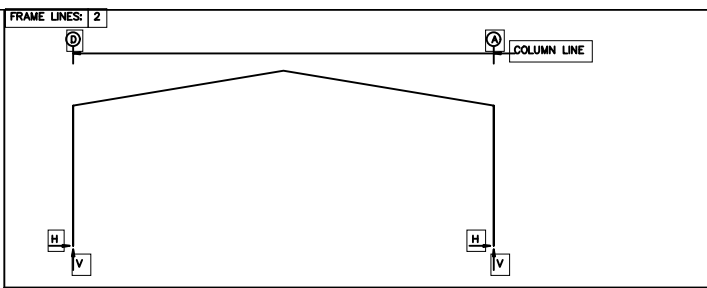
DL+COL(L or SL)
 DL+CL+M
 DL+CL+0.75WL+0.75(LL or SL)
 DL+0.75(O.75SL)+0.75(LL or SL)
 0.6DL+M
 0.6DL+0.75EIS

GENERAL NOTES

- FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.
- THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION.
- THE SPECIFIED ANCHOR BOLT DIAMETER ASSUMES ASTM A307 ANCHOR BOLT MATERIAL OF EQUAL DIAMETER MEETING OR EXCEEDING THE STRENGTH REQUIREMENTS SET FORTH ON THESE DRAWINGS MAY BE UTILIZED AT THE DISCRETION OF THE FOUNDATION DESIGN ENGINEER.
- ANCHOR BOLTS TO BE SUPPLIED BY OTHERS. ANCHOR BOLT EMBEDMENT LENGTH SHALL BE DETERMINED BY THE FOUNDATION ENGINEER.
- ANCHOR BOLT PROJECTION ABOVE CONCRETE FINISHED SURFACE TO BE 1" UNLESS OTHERWISE NOTED BY FOUNDATION DESIGNER.
- ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF 1/4" - 1/8" IN ELEVATION AND LOCATION.
- THE ANCHOR BOLT LOCATIONS PROVIDED BY THE METAL BUILDING MANUFACTURER MAY NOT SATISFY ANCHOR BOLT CONCRETE EDGE DISTANCE REQUIREMENTS DEPENDING ON THE DETAILS OF FOUNDATION DESIGN. IT IS THE RESPONSIBILITY OF THE FOUNDATION DESIGN ENGINEER TO MAKE SURE THAT SUFFICIENT CONCRETE EDGE DISTANCE IS PROVIDED IN THE FOUNDATION DESIGN.
- MINOR FIELD WORK OF STRUCTURAL SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.
- THIS DRAWING IS NOT TO SCALE.

BUILDING BRACING REACTIONS

Wall Loc	Col Line	Reactions (k)			Panel Shear (k/ft)
		Wind Horz	Seismic Horz	Wind Vert	
L-EW	A	0.1	0.1	1.0	2
R-EW	A	0.1	0.1	1.0	2
L-EW	B	0.3	0.1	2.0	4
R-EW	B	0.3	0.1	2.0	4
L-EW	C	0.3	0.1	1.0	2
R-EW	C	0.3	0.1	1.0	2
L-EW	D	0.1	0.1	1.0	2
R-EW	D	0.1	0.1	1.0	2



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frame Line	Col Line	Anchor Bolt Qty/Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Grout (in)
1	D	4	0.500	8.000	0.375	0.0
2	A	4	0.500	8.000	0.375	0.0

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead		Collat		Live		Snow		Wind Left1		Wind Right1	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	0.3	0.0	0.1	0.3	2.3	8.0	0.4	1.2	0.3	2.5	2.2	4.0
2	A	-0.3	0.0	-0.1	0.3	-2.3	8.0	-0.4	-1.2	-0.3	-2.5	-2.2	-4.0

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frame Line	Col Line	Dead		Collat		Live		Snow		Wind Left1		Wind Right1		Wind Left2		Wind Right2		Wind Press		Wind Suck		Wind Long1		Wind Long2	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	0.1	0.1	1.0	0.2	0.8	0.8	0.8	0.8	0.8	0.4	0.7	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8
1	B	0.3	0.1	2.0	0.4	1.7	1.0	1.7	1.0	1.0	0.3	0.7	1.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8
1	A	0.1	0.1	1.0	0.2	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.7	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k) - Seismic

Frame Line	Col Line	Seismic		FIUNB_SL_L		FIUNB_SL_R		LWIND1_L		LWIND1_R		LWIND2_L		LWIND2_R	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	0.0	0.0	0.0	0.7	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
1	B	0.0	0.0	0.0	0.2	0.0	0.7	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
1	A	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k) - LWNWD2

Frame Line	Col Line	LWNWD2		E2UNB_SL_L		E2UNB_SL_R		LWIND1_L		LWIND1_R		LWIND2_L		LWIND2_R	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	B	0.0	0.0	0.0	0.7	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
1	A	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frame Line	Col Line	Anchor Bolt Qty/Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Grout (in)	
1	D	2	0.500	3.250	6.000	0.375	0.0
1	B	2	0.500	3.250	6.000	0.375	0.0
1	A	2	0.500	3.250	6.000	0.375	0.0
2	D	2	0.500	3.250	6.000	0.375	0.0
2	B	2	0.500	3.250	6.000	0.375	0.0
2	A	2	0.500	3.250	6.000	0.375	0.0