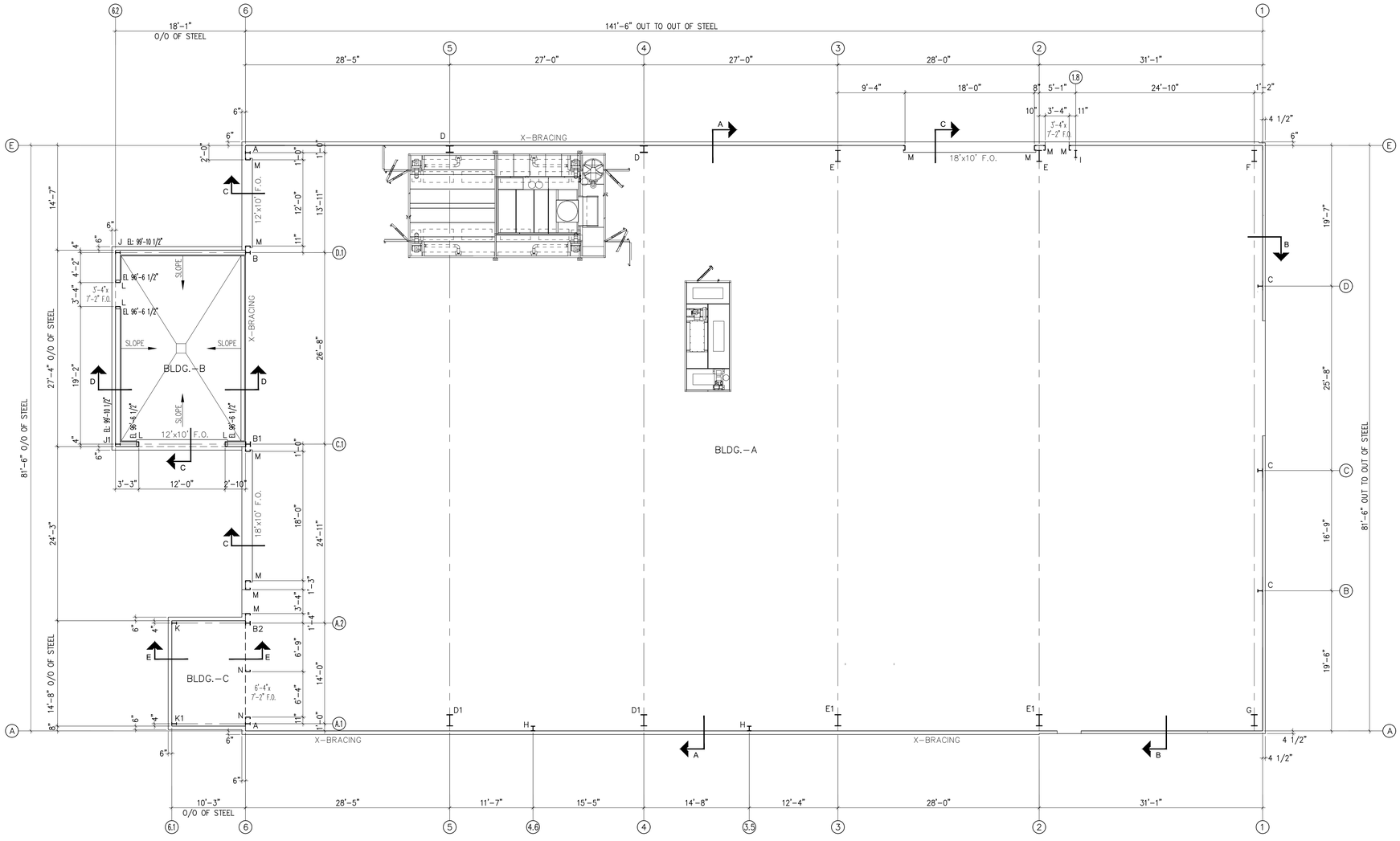
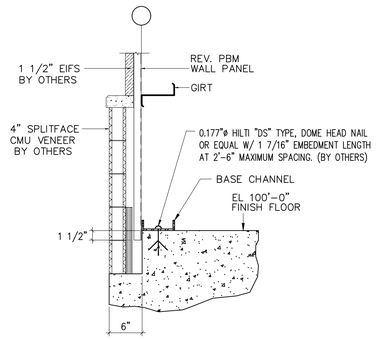
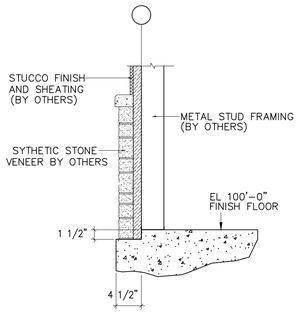


COLUMN LAYOUT PLAN

NOTE: All Base Plates @ 100'-0" (F.F.L.) U.N.



SECTION "A"



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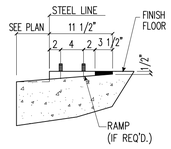

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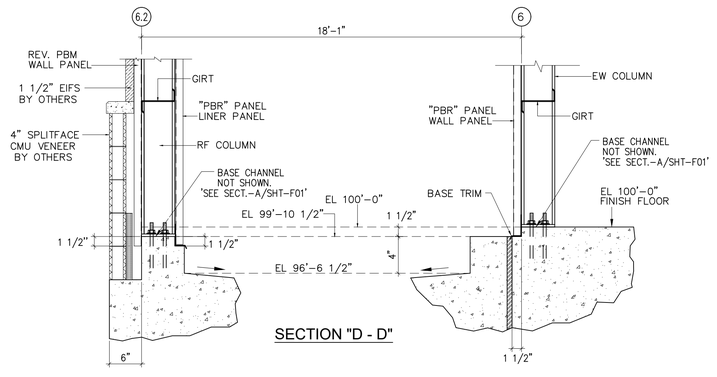
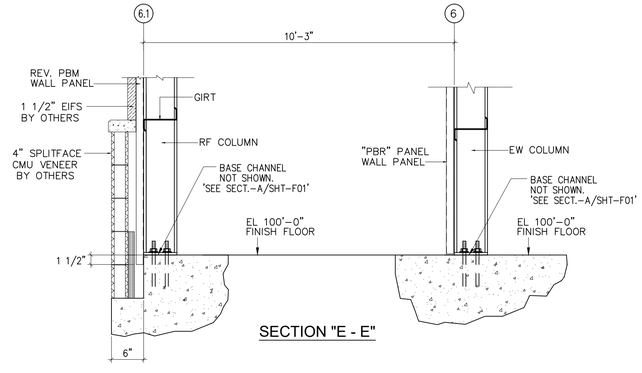


SECTION "D - D"



SECTION "E - E"

FOR CONSTRUCTION

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT RIGID GLOBAL ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY RIGID IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL, AND MECHANICAL SYSTEMS, AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN RIGID ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

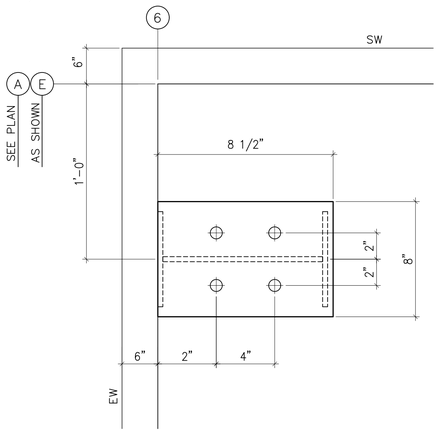
ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
0	CONSTRUCTION/PERMIT	01/13/22	RDA	RCR	JPL

RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	COLUMN LAYOUT PLAN		
CUSTOMER	CROSS DEVELOPMENT LLC		
END USER	CALIBER COLLISION		
END USE	COMMERCIAL	BUILDING	A
STREET	710 SE BLUE PKWY		
CITY ST ZIP	LEES SUMMIT, MO 64002		

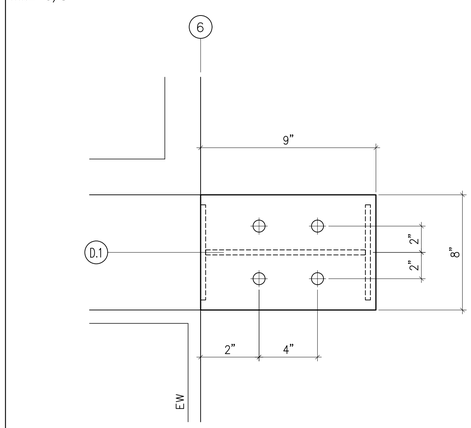
SALES NO.	JOB NO.	SCALE:	DWG. NO.:	ISSUE:
71872	157337-38-39	1/8"	F01 OF 5	0

Dia= 3/4"
Thk= 3/8"



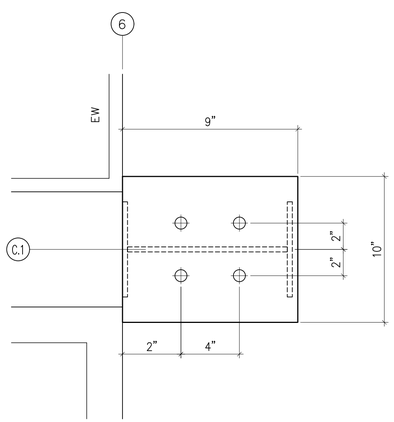
DETAIL A

Dia= 3/4"
Thk= 3/8"



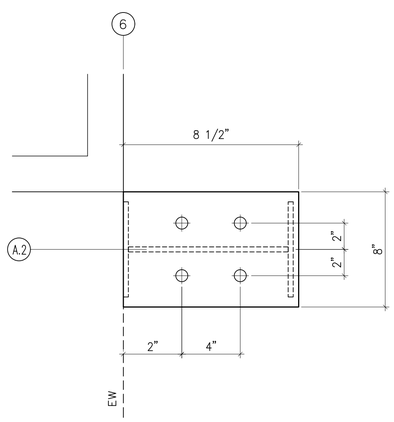
DETAIL B

Dia= 3/4"
Thk= 3/8"



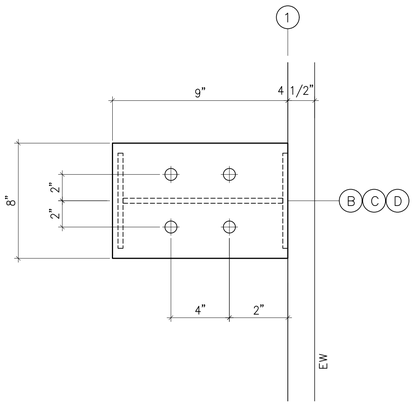
DETAIL B1

Dia= 3/4"
Thk= 3/8"



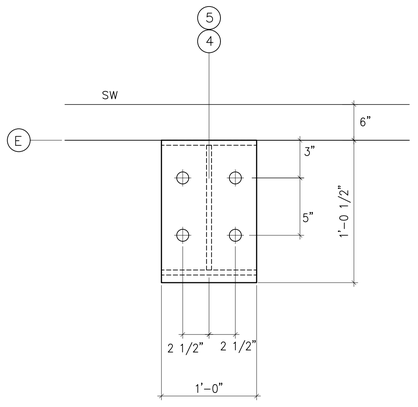
DETAIL B2

Dia= 3/4"
Thk= 3/8"



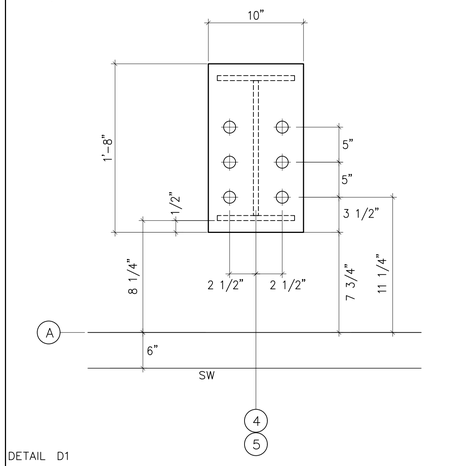
DETAIL C

Dia= 1 1/4"
Thk= 1/2"



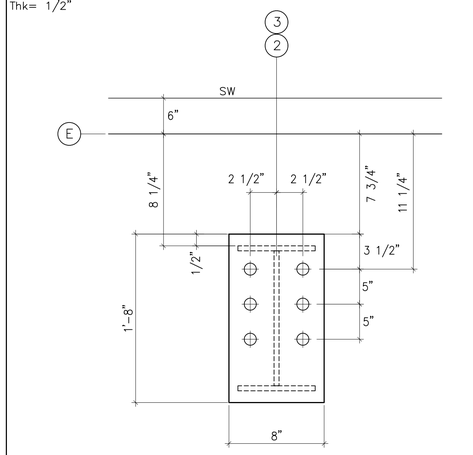
DETAIL D

Dia= 1 1/4"
Thk= 1/2"



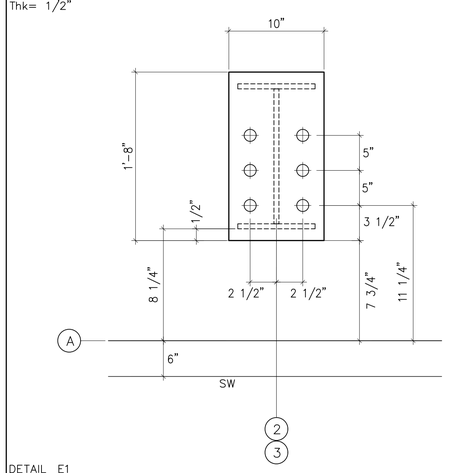
DETAIL D1

Dia= 1 1/4"
Thk= 1/2"



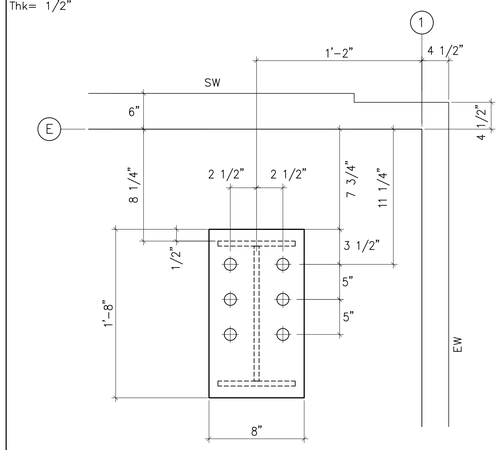
DETAIL E

Dia= 1 1/4"
Thk= 1/2"



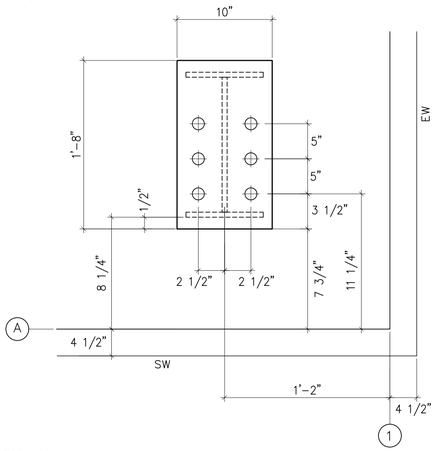
DETAIL E1

Dia= 1 1/4"
Thk= 1/2"



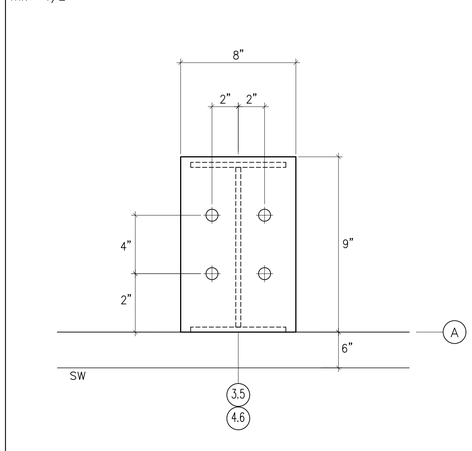
DETAIL F

Dia= 1 1/4"
Thk= 1/2"



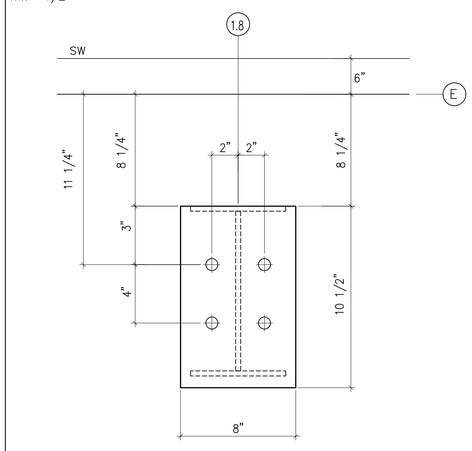
DETAIL G

Dia= 3/4"
Thk= 1/2"



DETAIL H

Dia= 3/4"
Thk= 1/2"



DETAIL I

FOR CONSTRUCTION

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GENERAL NOTES:

1. THE ANCHOR BOLT DETAILS SHOWN ON THIS DRAWING LOCATE THE ANCHOR BOLTS IN REFERENCE TO BOTH THE BUILDING STEEL LINE AND THE OUTSIDE OF RIGID'S SUGGESTED PANEL RECESS OF 1-1/2".
2. THE ANCHOR BOLT SETTING PLAN LOCATES ANCHOR BOLTS IN REFERENCE TO THE OUTSIDE OF THE PANEL RECESS SHOWN. IF THE ACTUAL PANEL RECESS IS DIFFERENT FROM WHAT IS SHOWN ON THE ANCHOR BOLT SETTING PLAN, THEN ALL REFERENCE DIMENSIONS FROM THE OUTSIDE OF THE PANEL RECESS MUST BE DETERMINED BY THE CUSTOMER.
3. BOTTOM OF ALL BASE PLATES ARE AT THE SAME ELEVATION. (UNLESS NOTED)

NOTE:

ONLY ANCHOR BOLTS SETTING PLAN ISSUED & STAMPED "FOR CONSTRUCTION" SHALL BE USED IN SETTING ANCHOR BOLTS. 'RIGID GLOBAL BUILDINGS' SHALL NOT BE RESPONSIBLE FOR ERROR OR DISCREPANCY IF THE DRAWING USED IS NOT VALID FOR CONSTRUCTION.

QTY.	SYMBOL	DIA.	PROJ.
–	✦	1/2"	1"
32	⊕	5/8"	2"
60	⊕	3/4"	2 1/2"
–	⊕	7/8"	2 3/4"
–	⊕	1"	3"
56	⊕	1 1/4"	3 1/2"
–	⊕	1 1/2"	3 1/2"

ANCHOR BOLT DETAIL

ANCHOR BOLT PROJECTION "PROJ." IS MEASURED FROM BOTTOM OF BASE PLATE

LENGHT OF "PROJ." SHOWN IS FOR ONE NUT + ONE WASHER

DETAIL OF ANCHOR BOLT AS PER THE SUPPLIER

NUTS & WASHERS BY SUPPLIER

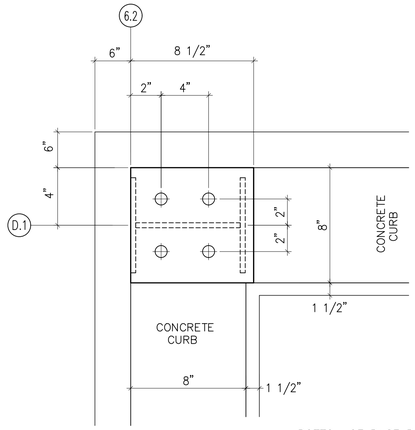
ANCHOR BOLTS NOT BY RIGID GLOBAL BUILDINGS

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
0	CONSTRUCTION/PERMIT	01/13/22	RDA	RCR	JPL

RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ANCHOR BOLT DETAILS				
CUSTOMER	CROSS DEVELOPMENT LLC				
END USER	CALIBER COLLISION				
END USE	COMMERCIAL	BUILDING	A		
STREET	710 SE BLUE PKWY				
CITY ST ZIP	LEES SUMMIT, MO 64002				
SALES NO.: 71872	JOB NO.: 157337-38-39	SCALE: N.T.S.	DWG. NO.: F02 OF 5	ISSUE: 0	

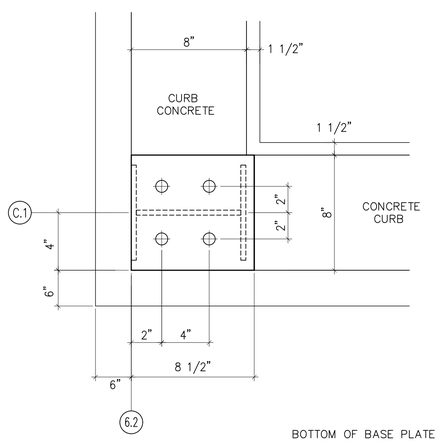
Dia= 3/4"
Thk= 1/2"



BOTTOM OF BASE PLATE
EL: 99'-10 1/2"

DETAIL J

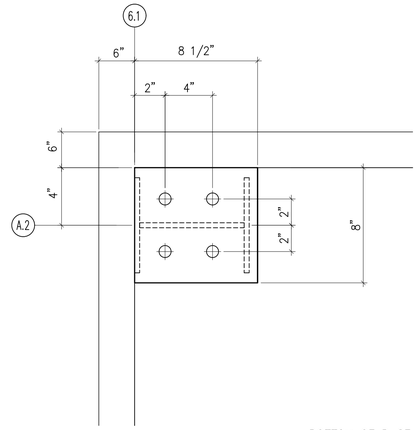
Dia= 3/4"
Thk= 1/2"



BOTTOM OF BASE PLATE
EL: 99'-10 1/2"

DETAIL J1

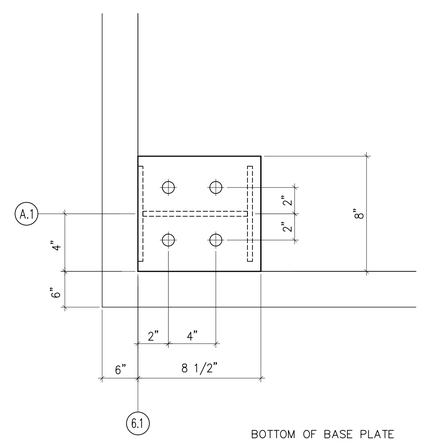
Dia= 3/4"
Thk= 1/2"



BOTTOM OF BASE PLATE
EL: 100'-0"

DETAIL K

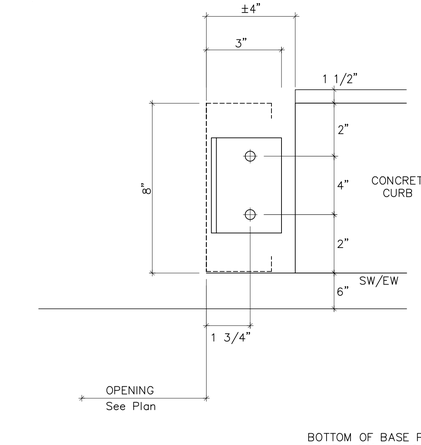
Dia= 3/4"
Thk= 1/2"



BOTTOM OF BASE PLATE
EL: 100'-0"

DETAIL K1

Dia= 5/8"
Thk= 1/4"



BOTTOM OF BASE PLATE
EL: 96'-6 1/2"

DETAIL L

Dia= 5/8"
Thk= 1/4"

BOTTOM OF BASE PLATE
EL: 100'-0"

DETAIL M

Dia= 5/8"
Thk= 1/4"

BOTTOM OF BASE PLATE
EL: 100'-0"

DETAIL N

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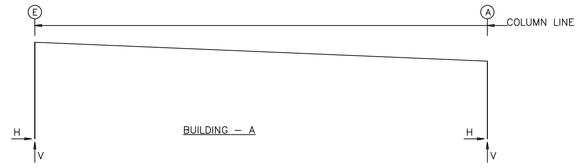
ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
0	CONSTRUCTION/PERMIT	01/13/22	RDA	RCR	JPL

RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ANCHOR BOLT DETAILS		
CUSTOMER	CROSS DEVELOPMENT LLC		
END USER	CALIBER COLLISION		
END USE	COMMERCIAL	BUILDING	A
STREET	710 SE BLUE PKWY		
CITY ST ZIP	LEES SUMMIT, MO 64002		

SALES NO.	JOB NO.	SCALE	DWG. NO.	ISSUE
71872	157337-38-39	N.T.S.	F03 OF 5	0

FRAME LINES: 5 4 3 2 1



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	BOTT. OF BPL (in)
5*	E	1	30.2	42.1	2	−9.6	−7.0	4	1.250	12.00	12.50	0.500	0.0
					4	−6.2	−19.6						
5*	A	3	14.7	−12.3	1	−30.2	42.9	6	1.250	10.00	20.00	0.500	0.0
		1	−30.2	42.9	4	5.9	−13.7						

5* Frame lines: 5 4

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	BOTT. OF BPL (in)
3	E	1	32.2	40.3	2	−8.8	−7.4	6	1.250	8.000	20.00	0.500	0.0
					4	−7.0	−9.1						
3	A	3	16.1	−11.9	1	−32.2	40.6	6	1.250	10.00	20.00	0.500	0.0
		1	−32.2	40.6	4	6.7	−13.7						

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	BOTT. OF BPL (in)
2	E	1	34.6	43.2	2	−9.2	−7.4	6	1.250	8.000	20.00	0.500	0.0
					4	−7.5	−9.7						
2	A	3	16.0	−12.2	1	−34.5	43.5	6	1.250	10.00	20.00	0.500	0.0
		1	−34.5	43.5	4	7.2	−14.2						

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	BOTT. OF BPL (in)
1	E	1	28.9	35.0	2	−5.9	−4.4	6	1.250	8.000	20.00	0.500	0.0
					5	−5.6	−6.8						
1	A	3	10.4	−8.3	1	−28.8	35.3	6	1.250	10.00	20.00	0.500	0.0
		1	−28.8	35.3	3	10.4	−8.3						

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
5*	E	4.1	6.5	6.9	7.9	17.9	22.4	17.9	22.4	1.3	5.3	−20.1	−18.2
5*	A	−4.1	6.0	−6.9	8.6	−17.9	22.9	−17.9	22.9	−1.3	5.4	−3.8	−8.3

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert
5*	E	−3.9	−15.5	−14.6	−9.7	1.2	−7.0	−14.4	−39.2	−14.4	−39.2	−0.4	−0.2
5*	A	28.6	−26.4	−9.3	0.5	23.5	−17.6	13.9	−28.8	13.9	−28.8	−0.6	0.2

Frame Line	Column Line	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert	MIN_SNOW Horiz	MIN_SNOW Vert
5*	E	0.4	0.2	0.0	−2.1	17.9	22.4
5*	A	0.6	−0.2	0.0	−0.8	17.8	22.9

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
3	E	4.4	5.7	7.5	7.9	19.9	22.5	19.9	22.5	0.4	4.2	−19.0	−18.0
3	A	−4.4	5.6	−7.5	8.4	−19.9	22.3	−19.9	22.3	−0.4	4.2	−3.8	−8.2

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert
3	E	−8.1	−16.0	−12.8	−9.4	−2.4	−7.5	−16.1	−20.8	−16.1	−20.8	−0.4	−0.2
3	A	31.3	−25.4	−10.0	0.4	25.5	−16.8	15.6	−28.4	15.6	−28.4	−0.6	0.2

Frame Line	Column Line	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert	MIN_SNOW Horiz	MIN_SNOW Vert
3	E	0.4	0.2	0.0	0.0	19.9	22.5
3	A	0.6	−0.2	0.0	−0.8	19.8	22.3

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
2	E	4.5	5.9	7.9	8.3	20.9	23.7	20.9	23.7	1.2	5.4	−19.8	−18.2
2	A	−4.5	5.8	−7.9	8.8	−20.9	23.6	−20.9	23.6	−1.2	5.3	−1.6	−9.5

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert
2	E	−9.0	−17.6	−13.3	−9.1	−2.9	−8.5	−17.0	−22.0	−17.0	−22.0	−0.4	−0.2
2	A	31.3	−26.1	−8.1	−0.4	25.2	−17.1	16.5	−29.6	16.5	−29.6	−0.6	0.2

Frame Line	Column Line	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert	MIN_SNOW Horiz	MIN_SNOW Vert
2	E	0.4	0.2	0.0	0.0	21.0	23.7
2	A	0.6	−0.2	0.0	−0.8	20.9	23.5

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
1	E	3.2	4.3	5.1	5.1	11.7	13.2	11.7	13.2	8.9	12.3	−12.9	−11.6
1	A	−3.2	4.3	−5.1	5.7	−11.7	13.2	−11.7	13.2	−8.9	12.2	−0.2	−6.6

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert
1	E	−8.3	−13.4	−9.3	−6.6	−4.6	−8.2	−12.5	−15.7	−12.5	−15.7	−0.5	−0.2
1	A	20.5	−18.0	−3.8	−1.5	16.8	−12.8	12.0	−15.5	12.0	−15.5	−0.8	0.2

Frame Line	Column Line	Seismic_Right Horiz	Seismic_Right Vert	MIN_SNOW Horiz	MIN_SNOW Vert
1	E	0.5	0.2	11.7	13.2
1	A	0.8	−0.2	−11.7	13.1

5* Frame lines: 5 4

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Snow Drift Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert
6	E	0.8	0.7	2.3	2.3	3.7	0.0	−2.9	0.0	−2.0	0.0	−2.0	0.0	−1.2
6	D.1	2.1	2.2	8.2	8.3	5.5	13.3	−10.6	0.0	−2.7	13.1	−8.3	0.0	−0.4
6	C.1	2.9	2.6	9.7	9.8	6.3	0.0	2.9	9.1	−13.9	0.0	5.7	9.1	−11.1
6	A.2	1.8	1.8	6.3	6.3	5.1	0.0	−5.0	0.0	−5.0	0.0	−2.9	0.0	−2.8
6	A	1.0	0.8	3.0	3.0	3.9	0.0	−0.6	0.0	−4.1	0.0	0.3	0.0	−3.2

Frm Line	Col Line	Wind_Press Horz	Wind_Press Vert	Wind_Suct Horz	Wind_Suct Vert	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	Seis_Long Horz	Seis_Long Vert
6	E	−0.2	0.0	0.7	0.0	0.0	−2.7	0.0	−1.6	0.0	0.0	0.0	0.0	0.0	0.0
6	D.1	1.5	2.7	0.4	−2.7	1.2	−7.6	0.7	−4.5	1.2	−0.7	0.0	0.6	0.1	0.0
6	C.1	4.9	2.7	−1.4	−2.7	0.0	−8.1	0.0	−4.7	0.0	0.7	1.2	−0.7	0.0	0.0
6	A.2	4.7	0.9	−1.8	−0.9	0.0	−6.7	0.0	−3.9	0.0	0.0	0.0	0.0	0.0	0.0
6	A	−16.5	−6.8	−0.5	6.8	0.0	−2.7	0.0	−1.6	0.0	0.0	0.0	0.0	−2.0	−0.8

Frm Line	Col Line	MIN_SNOW Horz	MIN_SNOW Vert	E1PAT_SL_1 Horz	E1PAT_SL_1 Vert	E1PAT_SL_2 Horz	E1PAT_SL_2 Vert	E1PAT_SL_3 Horz	E1PAT_SL_3 Vert	E1PAT_SL_4 Horz	E1PAT_SL_4 Vert	E1PAT_SL_5 Horz	E1PAT_SL_5 Vert
6	E	0.0	2.3	0.0	1.1	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0
6	D.1	0.0	5.9	0.0	1.0	0.0	0.0	0.0	2.9	0.0	1.9	0.0	0.6
6	C.1	0.0	7.4	0.0	0.0	0.0	0.0	0.0	1.9	0.0	3.7	0.0	1.8
6	A.2	0.0	5.6	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.8	0.0	2.8
6	A	0.0	2.3	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.1

Frm Line	Col Line	Dead Vert	Live Horz	Live Vert	Snow Horz	Snow Vert	Wind_Press Horz	Wind_Press Vert	Wind_Suct Horz	Wind_Suct Vert
1	B	0.2	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0
1	C	8.5	−0.2	1.2	−0.4	2.4	2.0	1.0	0.5	−2.7
1	D	8.5	−0.2	1.2	−0.4	2.4	0.7	1.0	1.4	−2.7

SOLDIER COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Horz
4.6	A	0.4	5.5	−4.2	−1.2
3.5	A	0.4	5.5	−4.2	−1.2
1.8	E	0.2	3.5	−3.3	−1.7

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	BOTT. OF BPL (in)
6	E	7	0.4	−1.3	8	−0.1	−1.1	4	0.750	8.000	8.500	0.375	0.0
		1	0.0	7.4	7	0.4	−1.3						
6	D.1	8	0.9	−1.7	7	0.3	−6.8	4	0.750	8.000	9.000	0.375	0.0
		1	0.0	18.0									
6	C.1	8	2.9	−1.5	9	−0.9	−8.3	4	0.750	10.00	9.000	0.375	0.0
		1	0.0	21.6									
6	A.2	8	2.8	−2.4	10	−1.1	−3.5	4	0.750	8.000	8.500	0.375	0.0
		1	0.0	15.0									
6	A	3	0.0	−1.9	8	−9.9	−5.1	4	0.750	8.000	8.500	0.375	0.0
		11	−0.2	10.1									
1	B	14	1.0	0.1				4	0.750	8.000	9.000	0.375	0.0
		16	1.0	0.2									
1	C	14	1.2	5.7	17	−0.5	10.9	4	0.750	8.000	9.000	0.375	0.0
		17	−0.5	10.9									
1	D	15	0.9	3.4	17	−0.4	10.9	4	0.750	8.000	9.000	0.375	0.0
		17	−0.4	10.9									

SOLDIER COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	BOTT. OF BPL (in)
4.6	A	12	3.3	0.2	13	−2.5	0.2	4	0.750	8.000	9.000	0.500	0.0
		6	0.0	0.4									
3.5	A	12	3.3	0.2	13	−2.5	0.2	4	0.750	8.000	9.000	0.500	0.0
		6	0.0	0.4									
1.8	E	12	2.1	0.1	13	−2.0	0.1	4	0.750	8.000	10.50	0.500	0.0
		19	2.1	0.2									

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Panel_Shear (lb/ft) Seis	Note
L_EW	6	D.1,C.1	13.3	7.5	1.2	0.7			
F_SW	A	6,5	18.0	7.7	1.9	0.8			
		3,2	18.0	7.8	1.9	0.8			
R_EW	1								(h)
B_SW	E	4,5	31.9	18.4	3.8	2.2			

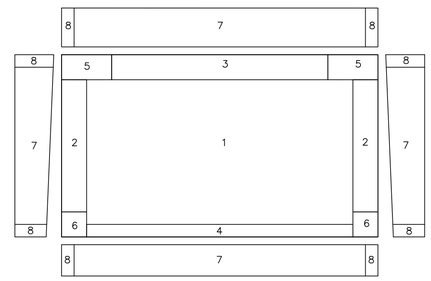
(h)Rigid frame at endwall

NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data.

Width (ft)	: 81.5	
Length (ft)	: 141.5	
Eave Height (ft)	: 17.4 / 14	
Roof Slope (rise/12)	: 0.5: 12 /	
Design Code	: IBC 18	
Enclosure	: Closed	
Dead Load (psf)	: 3.000	
Collateral Load (psf)	: 6	
Wind Speed (mph)	: 109 mph	
Wind Importance Factor	: 1.00	
Wind Exposure	: C	
Live Load (psf)	: 20.00	
Frame Live Load (psf)	: 20	
Ground Snow Load (psf)	: 20.000	
Roof Snow Load (psf)	: 20	
Snow Exposure	: 1.000	
Snow Importance Factor	: 1.000	
Thermal Factor	: 1.000	
Seismic Importance Factor	: 1.00	
Spectral Response Accel.	: Ss=0.100	: S1=0.068
Spectral Response Coeff.	: Sds=0.087	: Sd1=0.068
Seismic Coeff. (Fa*Ss)	: 0.130	: Fa=1.300
Seismic Design Category	: B	

5. Loading conditions are:
   1 Dead+Collateral+Snow+Snow_Drift
   2 0.6Dead+0.6Wind_Left1
   3 0.6Dead+0.6Wind_Right1
   4 0.6Dead+0.6Wind_Long2L
   5 0.6Dead+0.6Wind_Long2R
   6 Dead+Collateral+0.75MIN_SNOW
   7 0.6Dead+0.6Wind_Left1+0.6Wind_Suction
   8 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
   9 0.6Dead+0.6Wind_Right1+0.6Wind_Suction
   10 0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
   11 Dead+Collateral+0.75Snow+0.45Wind_Left2+0.45Wind_Suction+0.75Snow_Drift
   12 0.6Dead+0.6Wind_Pressure
   13 0.6Dead+0.6Wind_Suction
   14 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
   15 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
   16 Dead+0.6Wind_Pressure+0.6Wind_Long2L
   17 Dead+Collateral+Snow+1.0E2PAT_SL_2
   18 Dead+0.6Wind_Right2+0.6Wind_Suction
   19 Dead+0.6Wind_Pressure



Design Calculation Wind

Zone	Width (ft)	Length (ft)	Components & Cladding (Factored) Pressure(psf) Member	Pressure(psf) Panel	Suction(psf) Member	Suction(psf) Panel
1			10.08	10.08	−18.73	−23.98
2		11.20	10.08	10.08	−24.91	−31.66
3	11.20		10.08	10.08	−24.91	−31.66
4	5.60		10.08	10.08	−24.91	−31.66
5	11.20	22.40	10.08	10.08	−29.60	−43.17
6	11.20	11.20	10.08	10.08	−29.60	−43.17
7			11.76	13.80	−12.90	−14.94
8	5.60		11.76	13.80	−14.32	−18.38

FOR CONSTRUCTION

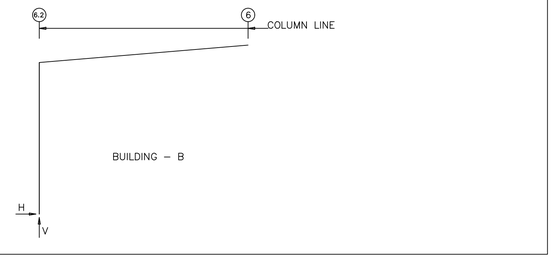
ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
0	CONSTRUCTION/PERMIT	01/13/22	RDA	RCR	JPL

RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	REACTIONS		
CUSTOMER	CROSS DEVELOPMENT LLC		
END USER	CALIBER COLLISION		
END USE	COMMERCIAL	BUILDING	A
STREET	710 SE BLUE PKWY		
CITY ST ZIP	LEES SUMMIT, MO 64002		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
71872	157337-38-39	N.T.S.	F04 OF 5	0

FRAME LINES: C.1 D.1



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	BOTT. OF BPL (in)
C.1*	6.2	4	0.6	−1.4	3	−0.7	−0.7	4	0.750	8.000	8.500	0.500	−1.50
		1	0.1	3.5	4	0.6	−1.4						

C.1* Frame lines: C.1 D.1

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
C.1*	6.2	0.0	0.6	0.0	0.4	0.1	2.5	0.1	2.5	0.0	0.0	−0.6	−2.7

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	MIN_SNOW Horiz	MIN_SNOW Vert
C.1*	6.2	0.9	−1.8	−1.2	−1.7	0.3	−0.7	1.0	−2.9	1.0	−2.9	0.1	2.5

C.1* Frame lines: C.1 D.1

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	C.1								(h)
F_SW	6								(f)
R_EW	D.1								(h)
B_SW	6.2	Torsional Bracing Used							

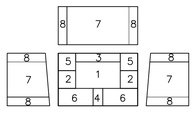
(f)Bracing loads are applied to adjacent building
(h)Rigid frame at endwall

NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data.

Width (ft)	: 18.08	
Length (ft)	: 27.33	
Eave Height (ft)	: 13.13 / 14.63	
Roof Slope (rise/12)	: 1.0:12 /	
Design Code	: IBC 18	
Enclosure	: Closed	
Dead Load (psf)	: 3.000	
Collateral Load (psf)	: 3	
Wind Speed (mph)	: 109 mph	
Wind Importance Factor	: 1.00	
Wind Exposure	: C	
Live Load (psf)	: 20.00	
Frame Live Load (psf)	: 20	
Ground Snow Load (psf)	: 20.000	
Roof Snow Load (psf)	: 20	
Snow Exposure	: 1.000	
Snow Importance Factor	: 1.000	
Thermal Factor	: 1.000	
Seismic Importance Factor	: 1.00	
Spectral Response Accel.	: Ss=0.100	: S1=0.068
Spectral Response Coeff.	: Sds=0.087	: Sd1=0.068
Seismic Coeff. (Fa*Ss)	: 0.130	: Fa=1.300
Seismic Design Category	: B	

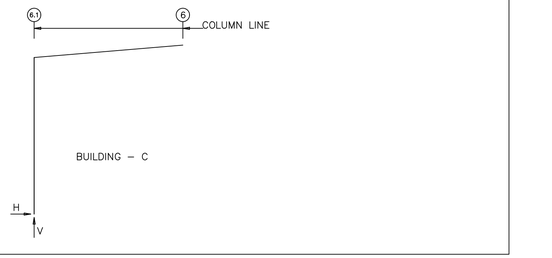
5. Loading conditions are:
   1 Dead+Collateral+Snow+Snow_Drift
   2 0.6Dead+0.6Wind_Left1
   3 0.6Dead+0.6Wind_Left2
   4 0.6Dead+0.6Wind_Long2R
   5 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
   6 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L



Design Calculation Wind

Zone	Width (ft)	Length (ft)	Components & Cladding (Factored) Pressure(psf) Member	Panel	Suction(psf) Member	Panel
1			10.08	10.08	−16.33	−16.33
2		6.00	10.08	10.08	−21.39	−22.70
3	3.00		10.08	10.08	−17.64	−18.95
4	6.00		10.08	10.08	−21.39	−22.70
5	6.00	6.00	10.08	10.08	−17.64	−25.31
6	6.00	12.00	10.08	10.08	−22.70	−35.44
7			11.76	13.80	−12.90	−14.94
8	3.00		11.76	13.80	−14.32	−18.38

FRAME LINES: A.1 A.2



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	BOTT. OF BPL (in)
A.1*	6.1	4	0.3	−0.4	3	−0.3	−0.2	4	0.750	8.000	8.500	0.500	0.00
		1	0.0	1.2	4	0.3	−0.4						

A.1* Frame lines: A.1 A.2

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
A.1*	6.1	0.0	0.3	0.0	0.1	0.0	0.8	0.0	0.8	0.0	0.0	−0.3	−0.9

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	MIN_SNOW Horiz	MIN_SNOW Vert
A.1*	6.1	0.4	−0.6	−0.6	−0.6	0.1	−0.3	0.5	−1.0	0.5	−1.0	0.0	0.8

A.1* Frame lines: A.1 A.2

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	A.1								(h)
F_SW	6								(f)
R_EW	A.2								(h)
B_SW	6.1	Torsional Bracing Used							

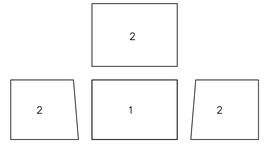
(f)Bracing loads are applied to adjacent building
(h)Rigid frame at endwall

NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data.

Width (ft)	: 10.25	
Length (ft)	: 14.67	
Eave Height (ft)	: 10.79 / 11.65	
Roof Slope (rise/12)	: 1.0:12 /	
Design Code	: IBC 18	
Enclosure	: Closed	
Dead Load (psf)	: 3.000	
Collateral Load (psf)	: 3	
Wind Speed (mph)	: 109 mph	
Wind Importance Factor	: 1.00	
Wind Exposure	: C	
Live Load (psf)	: 20.00	
Frame Live Load (psf)	: 20	
Ground Snow Load (psf)	: 20.000	
Roof Snow Load (psf)	: 20	
Snow Exposure	: 1.000	
Snow Importance Factor	: 1.000	
Thermal Factor	: 1.000	
Seismic Importance Factor	: 1.00	
Spectral Response Accel.	: Ss=0.100	: S1=0.068
Spectral Response Coeff.	: Sds=0.087	: Sd1=0.068
Seismic Coeff. (Fa*Ss)	: 0.130	: Fa=1.300
Seismic Design Category	: B	

5. Loading conditions are:
   1 Dead+Collateral+Snow+Snow_Drift
   2 0.6Dead+0.6Wind_Left1
   3 0.6Dead+0.6Wind_Left2
   4 0.6Dead+0.6Wind_Long2R
   5 0.6Dead+0.6Wind_Right2+0.6Wind_Suction
   6 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L



Design Calculation Wind

Zone	Width (ft)	Length (ft)	Components & Cladding (Factored) Pressure(psf) Member	Panel	Suction(psf) Member	Panel
1			10.08	10.08	−22.70	−35.44
2			11.76	13.80	−14.34	−18.42

FOR CONSTRUCTION

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT RIGID GLOBAL ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY RIGID IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL, AND MECHANICAL SYSTEMS, AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN RIGID ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
0	CONSTRUCTION/PERMIT	01/13/22	RDA	RCR	JPL

RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	REACTIONS		
CUSTOMER	CROSS DEVELOPMENT LLC		
END USER	CALIBER COLLISION		
END USE	COMMERCIAL	BUILDING	A
STREET	710 SE BLUE PKWY		
CITY ST ZIP	LEES SUMMIT, MO 64002		

SALES NO.	JOB NO.	SCALE	DWG. NO.	ISSUE
71872	157337-38-39	N.T.S.	F05 OF 5	0