



COLUMN LOCATION & ANCHOR BOLT PLAN
SCALE 1:50

- NOTES:**
- SEE SHEET S0.1 FOR GENERAL STRUCTURAL NOTES.
 - ◆ DENOTES LOCATIONS OF VERTICAL BRACING
 - FOR FLOOR SLAB PLAN, REFER TO SHEET S5.1.
 - REACTIONS ARE GIVEN SUCH THAT:
+X IS NORTH, +Y IS UP, +Z IS EAST

Constructive Engineering Design Inc.
Consulting Structural Engineers
222 W. Gregory Blvd., Suite 340
Kansas City, Missouri 64114-1127

Building Code: 86MBMA
Live Ld (w/D Trib Red) 205 kgs/m
Coll. Ld (gravity): 24.4 kgs/m
Coll. Ld (uplift): 0.0 kgs/m
Wind Speed: 193 kmph
Wind Exp. Cat: C
Ground Snow: 178.6 kgs/m
Roof Snow: 100.0 kgs/m
Snow Exp. Cat: 3
Seismic Zone: 3
Building Use Cat: 4
Auxiliary Loads: NONE

This Drawing, including the information hereon, remains the property of VP Buildings.
It is provided for Erecting the Building described in the applicable Purchase Order and shall not be modified, reproduced or used for any other purpose without prior written approval of VP Buildings.
The General Contractor and/or Erector is solely responsible for accurate, good quality workmanship in erecting this Building in conformance with this Drawing. Details referenced in this Drawing, all applicable VP Building Details and all industry standards pertaining to proper erection, including the correct use of temporary bracing.

Reactions (in kips) For the Workshop Office in Iceland - (SEE NOTES FOR DIRECTION)
(Reactions include the future second and third elevated floors)

Load Case	Column Line G								
	Column Line 6			Column Line 7			Column Line 8		
	Fx	Fy	Fz	Fx	Fy	Fz	Fx	Fy	Fz
Seismic (+ X)	0	0	0	0	0	0	0	0	0
Seismic (- X)	0	0	0	0	0	0	0	0	0
Seismic (+ Z)	0	-32	-26	0	32	0	0	0	0
Seismic (- Z)	0	32	0	0	-32	26	0	0	0
Dead	0	13	0	0	39	0	0	23	0
Collateral	0	1	0	0	4	0	0	2	0
Roof Live	0	3	0	0	6	0	0	3	0
Floor Live	0	3	0	0	21	0	0	13	0
Snow	0	3	0	0	6	0	0	3	0
Wind (+ X)	-2	-5	0	-4	-9	0	-2	-5	0
Wind (- X)	1	-5	0	3	-10	0	1	-5	0
Wind (+ Z)	0	-85	-76	0	70	0	0	-5	-1
Wind (- Z)	0	75	1	0	-90	74	0	-5	2

Load Case	Column Line E								
	Column Line 6			Column Line 7			Column Line 8		
	Fx	Fy	Fz	Fx	Fy	Fz	Fx	Fy	Fz
Seismic (+ X)	-26	-39	0	0	0	0	-30	-44	0
Seismic (- X)	0	39	0	0	0	0	0	44	0
Seismic (+ Z)	0	0	0	0	0	0	0	0	0
Seismic (- Z)	0	0	0	0	0	0	0	0	0
Dead	0	30	0	0	72	0	0	40	0
Collateral	0	4	0	0	9	0	0	5	0
Roof Live	0	5	0	0	11	0	0	5	0
Floor Live	0	20	0	0	54	0	0	30	0
Snow	0	5	0	0	11	0	0	5	0
Wind (+ X)	-56	-83	0	0	-18	0	-56	-83	0
Wind (- X)	0	65	0	0	-18	0	0	65	0
Wind (+ Z)	2	-9	-4	0	-18	0	-2	-9	-3
Wind (- Z)	-2	-9	3	0	-18	0	2	-9	4

Load Case	Column Line C								
	Column Line 6			Column Line 7			Column Line 8		
	Fx	Fy	Fz	Fx	Fy	Fz	Fx	Fy	Fz
Seismic (+ X)	0	39	0	0	0	0	0	44	0
Seismic (- X)	26	-39	0	0	0	0	30	-44	0
Seismic (+ Z)	0	0	0	0	0	0	0	0	0
Seismic (- Z)	0	0	0	0	0	0	0	0	0
Dead	0	43	0	0	74	0	0	43	0
Collateral	0	5	0	0	9	0	0	5	0
Roof Live	0	5	0	0	10	0	0	5	0
Floor Live	0	33	0	0	59	0	0	33	0
Snow	0	5	0	0	10	0	0	5	0
Wind (+ X)	0	66	0	0	-16	0	0	66	0
Wind (- X)	56	-82	0	0	-16	0	56	-82	0
Wind (+ Z)	2	-8	-3	0	-16	0	-2	-8	-2
Wind (- Z)	-2	-8	2	0	-16	0	2	-8	3

Load Case	Column Line A								
	Column Line 6			Column Line 7			Column Line 8		
	Fx	Fy	Fz	Fx	Fy	Fz	Fx	Fy	Fz
Seismic (+ X)	0	0	0	0	0	0	0	0	0
Seismic (- X)	0	0	0	0	0	0	0	0	0
Seismic (+ Z)	0	-36	-31	0	36	0	0	0	0
Seismic (- Z)	0	36	0	0	-36	31	0	0	0
Dead	0	23	0	0	40	0	0	23	0
Collateral	0	2	0	0	5	0	0	2	0
Roof Live	0	2	0	0	5	0	0	2	0
Floor Live	0	17	0	0	30	0	0	17	0
Snow	0	3	0	0	5	0	0	3	0
Wind (+ X)	-1	-4	0	-2	-8	0	-1	-4	0
Wind (- X)	2	-4	0	4	-8	0	2	-4	0
Wind (+ Z)	2	-82	-83	0	70	0	-2	-4	-1
Wind (- Z)	-2	74	1	0	-86	82	2	-4	2

Load Case	F.8/6.5		
	Fx	Fy	Fz
Seismic (+ X)	0	0	0
Seismic (- X)	0	0	0
Seismic (+ Z)	0	0	0
Seismic (- Z)	0	0	0
Dead	0	9	0
Collateral	0	1	0
Roof Live	0	0	0
Floor Live	0	6	0
Snow	0	0	0
Wind (+ X)	0	0	0
Wind (- X)	0	0	0
Wind (+ Z)	0	0	0
Wind (- Z)	0	0	0



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COLUMN LOCATION & ANCHOR BOLT PLAN & REACTIONS

REV	DATE	BY	DESC.	BUILDER
				International Client
				Sindri
				Reykjavik, Iceland
				Sindri Workshop
				Office

VP BUILDINGS
VARCO-PRUDEN

DATE: 07/20/99
TIME: XX:XX
DRAW/CHECK: CW/ME
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