

**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 kgsm  
 Coll. Ld (gravity): 24.4 kgsm  
 Coll. Ld (uplift): 0.0 kgsm  
 Wind Speed: 193 kmph  
 Wind Exp. Cat.: C  
 Ground Snow: 178.6 kgsm  
 Roof Snow: 100.0 kgsm  
 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 Buildings Erection 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)

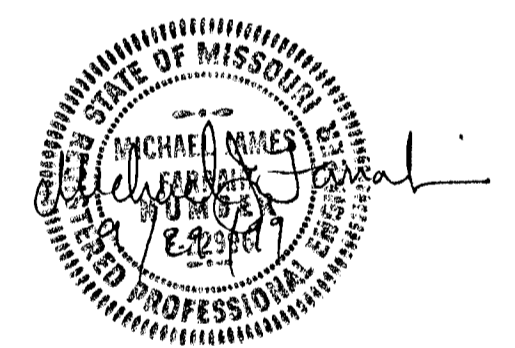
Load Case	Column Line G								
	Column Line 6			Column Line 7			Column Line 8		
	Fx	Fy	Fz	Fx	Fy	Fz	Fx	Fy	Fz
Seismic (+ X)	0	0	0	0	0	0	0	0	0
Seismic (- X)	0	0	0	0	0	0	0	0	0
Seismic (+ Z)	0	-32	-26	0	32	0	0	0	0
Seismic (- Z)	0	32	0	0	-32	26	0	0	0
Dead	0	13	0	0	39	0	0	23	0
Collateral	0	1	0	0	4	0	0	2	0
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



Samþykkt sbr skýrslu til RB dags 27.03.00  
 Varkfræðistofa Norðurlands ehf  
 Höfðaból 4, Akureyri, Kt. 560175-0869

<b>NOTES:</b> 1. SEE SHEET S0.1 FOR GENERAL STRUCTURAL NOTES. 2. ◆ DENOTES LOCATIONS OF VERTICAL BRACING 3. FOR FLOOR SLAB PLAN, REFER TO SHEET S5.1. 4. REACTIONS ARE GIVEN SUCH THAT: +X IS NORTH, +Y IS UP, +Z IS EAST	 <b>VP BUILDINGS</b> VARCD-PRUDEN	<b>COLUMN LOCATION &amp; ANCHOR BOLT PLAN &amp; REACTIONS</b>			QUOTE Eirikur Jónsson byggingaverkfr. 27 Kt 051045-4679	JOB # P9924127 DATE 07/20/99 TIME XX:XX DRAW/CHECK CW/ME PAGE S1.1	
		REV DATE BY DESC. BUILDER International Client	CUSTOMER Sindri		DATE 07/20/99		
		LOCATION Reykjavik, Iceland			TIME XX:XX		
		PROJECT Sindri Workshop			DRAW/CHECK CW/ME		
		BUILDING Office			PAGE S1.1		