

**Seismic information:**

S<sub>1</sub>: 0.08420556180921054  
S<sub>5</sub>: 0.20995518154884205  
S<sub>D1</sub>: 0.13472889889473685  
S<sub>D5</sub>: 0.2239521936520982  
SDC: C

**Code:**

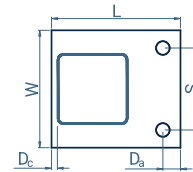
International Building Code  
2018  
Closed to Public  
Non-hazardous Material  
Non-Essential Facility

**Columns:**

		UTILIZATION	STATUS
FRONT COLUMN	FRONT BACKER	52.25%	● Ok
Unarco	-		
3x3x14ga CT			
BACK COLUMN	BACK BACKER	52.25%	● Ok
Unarco	-		
3x3x14ga CT			

**Base Plate, Slab and Anchors:**

SLAB	6" Concrete, 4000psi	22.23%	● Ok
ANCHORS (PER BASE PLATE)	Power-Stud+ SD1	9.88%	● Ok
	(1) - 0.5" dia x embed 2.5"		
	3.625" min length		
BASE PLATE		0.00%	● Ok



W = 5"  
L = 7"  
t = 0.375"  
Dc = 0.25"  
Da = 0.75"  
Sa = 3.5"

**Beams and Connections**

ELEVATION	BEAM	UTILIZATION	STATUS	CONNECTION	UTILIZATION	STATUS
58"	Interlake 311	73.69%	● Ok	3-pin	32.61%	● Ok
102"	Interlake 311	73.69%	● Ok	3-pin	32.61%	● Ok
160"	Interlake 311	73.69%	● Ok	3-pin	32.61%	● Ok
218"	Interlake 311	73.69%	● Ok	3-pin	32.61%	● Ok

**Braces**

#	BRACE (Starting from Bottom)	DIRECTION	UTILIZATION	STATUS
1	B-41 (2.25x1x14ga)	Horizontal	13.45%	● Ok
2	B-42 (2.25x1.5x14ga)	Diagonal	24.14%	● Ok
3	B-41 (2.25x1x14ga)	Horizontal	18.70%	● Ok
4	B-42 (2.25x1.5x14ga)	Diagonal	19.70%	● Ok
5	B-41 (2.25x1x14ga)	Horizontal	12.22%	● Ok
6	B-42 (2.25x1.5x14ga)	Diagonal	15.52%	● Ok
7	B-41 (2.25x1x14ga)	Horizontal	7.39%	● Ok
8	B-42 (2.25x1.5x14ga)	Diagonal	5.17%	● Ok
9	B-41 (2.25x1x14ga)	Horizontal	1.66%	● Ok

**Notes**

1) The minimum anchor length assumes a 0.25" shim. A shorter anchor may be acceptable.