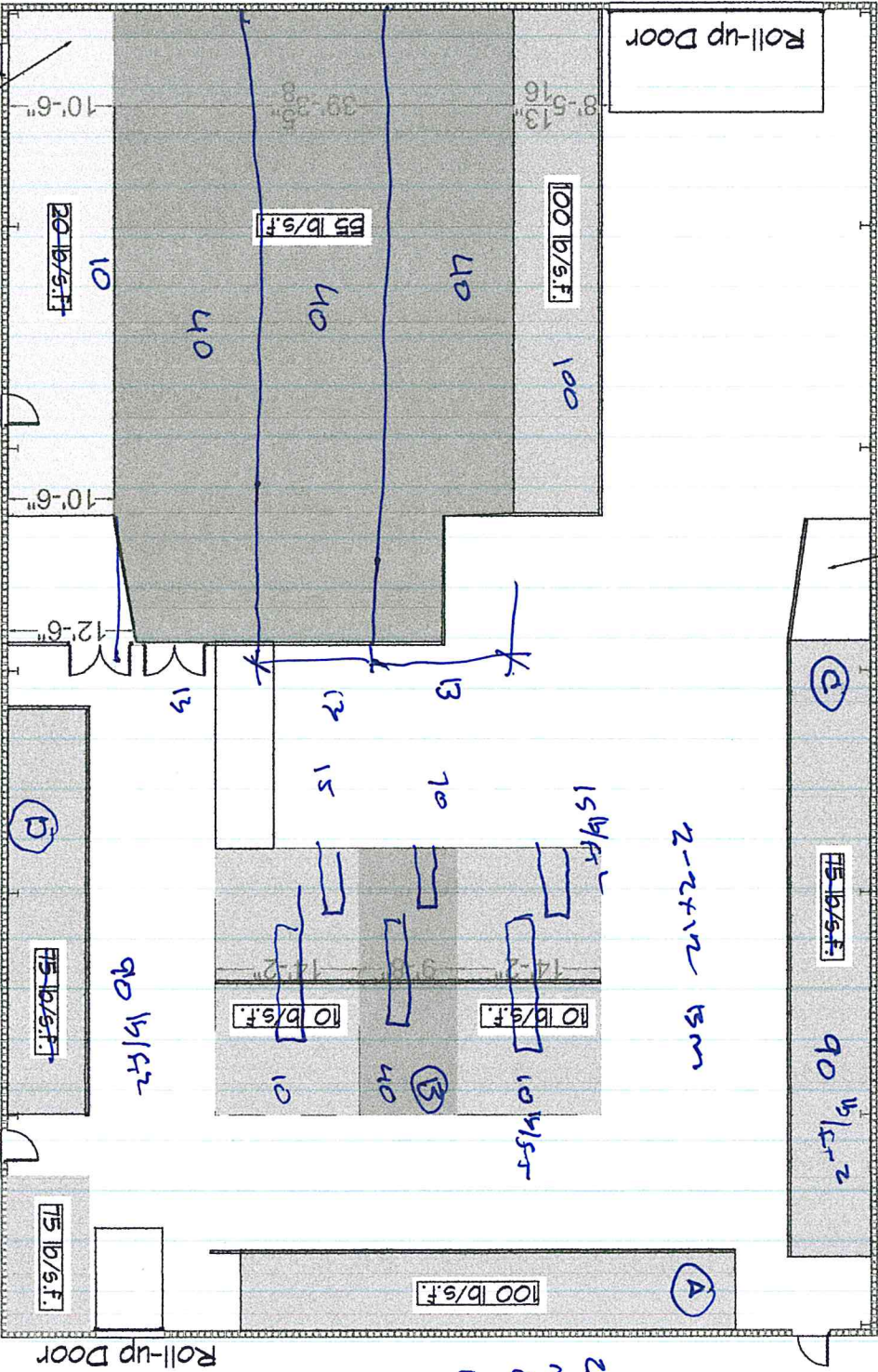


Perdido St.

It is not recommended to store anything above this area. Installing a column in the middle of the outside beam will fix this issue. Once corrected it will allow 90 lb/s.f.



This area is limited because of the connection to the CMU wall. If fixed the allowable weight will increase to 90 lb/s.f.

S. Miro St

2x2x8 Max Span 7'4"

2-2x12 BM

2-2x8 BM
Max Span
6'-8"
100 lb/s.f.

2x2x8 Max Span 7'4"

90 lb/s.f.

Roll-up Door

Roll-up Door

PLATFORM B

CHECK BEAM
2-2 X 12 W/ ledger. # 2 SYP

SPAN
14'-0"

L/240

CHECK JOIST
2 X 10 @ 16" O.C. # 2 SYP

SPAN
13'-0"

L/240

allowable L/360

0.47

allowable L/240

0.7

ALLOWABLE SPAN

defl	trib	load	total	defl	trib	load	total
0.24100	9.75	10	97.50	0.446400	18	10	180
0.36210	9.75	15	146.25	0.669600	18	15	270
0.48360	9.75	20	195.00	0.892800	18	20	360
0.72420	9.75	30	292.50	1.339200	18	30	540
0.91690	9.75	40	390.00	1.785600	18	40	720
1.20900	9.75	50	487.50	2.232000	18	50	900

CHECK BEAM

SPAN

2-2 X 12 W/ ledger. # 2 SYP

9'-8"

L/240

allowable L/360

0.32

allowable L/240

0.483

defl	trib	load	total	defl	trib	load	total
0.04130	9.75	10	97.50	0.101900	18	10	180
0.06184	9.75	15	146.25	0.151800	18	15	270
0.08660	9.75	20	195.00	0.202300	18	20	360
0.12360	9.75	30	292.50	0.303500	18	30	540
0.16520	9.75	40	390.00	0.404700	18	40	720
0.20600	9.75	50	487.50	0.505900	18	50	900

defl	trib	load	total
0.33040	9.75	80	780.00
0.37170	9.75	90	877.50
0.41300	9.75	100	975.00
0.60260	9.75	110	1072.50

26.74
20.854
18.217
16.55
15.365

				PLATFORM C			
				CHECK BEAM		CHECK JOIST	
				2-2 X 8 W/ ledger. # 2 SYP		2 X 8 @ 16" O.C. # 2 SYP	
				SPAN		SPAN	
				7'-4"		7'-10"	
				L /240		L /240	
				allowable L/360		allowable L/240	
				0.26		0.383	
defl	trib	load	total				
0.03863	5.75	10	57.50	20.593			
0.07726	5.75	20	115.00	16.345			
0.11589	5.75	30	172.50	14.278			
0.15452	5.75	40	230.00	12.973			
0.19315	5.75	50	287.50	12.043			
0.23178	5.75	60	345.00	11.333			
0.27041	5.75	70	402.50	10.765			
0.30904	5.75	80	460.00	10.296			
0.34767	5.75	90	517.50	9.9			
0.38630	5.75	100	575.00	9.558			
0.42493	5.75	110	632.50	9.26			
0.46356	5.75	120	690.00	8.995			
0.50219	5.75	130	747.50	8.758			
0.54082	5.75	140	805.00				
0.57945	5.75	150	862.50				

PLATFROM D

CHECK BEAM
2-2 X 8 W/ ledger: # 2 SYP

SPAN
9'-4"

L/240

CHECK JOIST
2 X 8 @ 16" O.C. # 2 SYP
ALLOWABLE SPAN

SPAN
7'-10"

L/240

defl	trib	load	allowable L/360	total	allowable L/240
0.10140	5.75	10	0.31	57.50	0.101400
0.20280	5.75	20		115.00	
0.30420	5.75	30		172.50	
0.40560	5.75	40		230.00	
0.50700	5.75	50		287.50	
0.60840	5.75	60		345.00	
0.70980	5.75	70		402.50	
0.81120	5.75	80		460.00	

CHECK BEAM

SPAN
7'-8"

L/240

CHECK JOIST
2 X 8 @ 16" O.C. # 2 SYP

SPAN
7'-10"

L/240

defl	trib	load	allowable L/360	total	allowable L/240
0.04624	5.75	10	0.26	57.50	0.046240
0.09248	5.75	20		115.00	
0.13872	5.75	30		172.50	
0.18496	5.75	40		230.00	
0.23120	5.75	50		287.50	
0.27744	5.75	60		345.00	
0.32368	5.75	70		402.50	
0.36992	5.75	80		460.00	
0.41616	5.75	90		517.50	
0.46240	5.75	100		575.00	
0.50864	5.75	110		632.50	
0.55488	5.75	120		690.00	
0.60112	5.75	130		747.50	
0.64736	5.75	140		805.00	
0.69360	5.75	150		862.50	

PLATFORM A

CHECK BEAM
2-2 X 8 W/ ledger. # 2 SYP

SPAN
6'-8"

L/240

CHECK JOIST
2 X 8 @ 16" O.C. # 2 SYP

SPAN
7'-10"

L/240

defl	trib	load	total	allowable L/360	allowable L/240	
0.02644	5.75	10	57.50	0.22	0.33335	20.593
0.05288	5.75	20	115.00			16.345
0.07932	5.75	30	172.50		0.026440	14.278
0.10576	5.75	40	230.00			12.973
0.13220	5.75	50	287.50			12.043
0.15864	5.75	60	345.00			11.333
0.18508	5.75	70	402.50			10.765
0.21152	5.75	80	460.00			10.296
0.23796	5.75	90	517.50			9.9
0.26440	5.75	100	575.00			9.558
0.29084	5.75	110	632.50			9.26
0.31728	5.75	120	690.00			8.995
0.34372	5.75	130	747.50			8.758