



PAD G AND H SHELL

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91st Avenue and Glendale avenue, Glendale, Arizona

S#	DWG #	DETAIL #	CSI NO	DESCRIPTION	QTY.	UNIT	UNIT COST LAB.+MAT.	TOTAL COST: LAB. + MAT.
STEEL TAKEOFF								
GENERAL REQUIREMENTS								
1				General Requirements	1	LS		
				Subtotal				
PAD G								
Building steel framing								
2	S3.1			W36x135 = 60 LF	17000	LB		
	S3.1			W16x36 = 19 LF				
	S3.1			W8x10 = 9 LF				
	S3.1			HSS6x6x5/16 = 78 LF				
	S3.1	S1.1		HSS4x4x1/4 column (C2) = 45 LF				
	S2.1	S1.1		HSS5x5x5/16 column (C1) = 48 LF				
	S3.1	Keynote 319		L6x6x5/16 angle = 22 LF				
	S3.1			L8x6x7/16 = 60 LF				
	S3.1	S1.1		L3-1/2x3-1/2x1/4 steel perimeter angle (L1, L2) = 415 LF				
	S2.1	S1.1		1"x12"x12" steel plate = 3 EA				
				Misc. steel 5% = 800 LB				
Steel framing at roof opening/mechanical unit support								
3	S3.1	A1/S1.3		C8x11.5 = 162 LF	2450	LB		
	S3.1	A1/S1.3		8"x1/4" steel plate = 80 LF				
Steel lintels								
4	S3.1	S1.1		W16x26 w/ 3/8" steel plate (SL3) = 34 LF	5900	LB		
	S3.1	S1.1		W16x31 w/ 3/8" steel plate (SL4) = 62 LF				
	S3.1	S1.1		W16x45 w/ 3/8" steel plate (SL5) = 28 LF				
	S3.1	Keynote 315		L4x4x3/8 steel lintel brace = 50 LF				
Awning framing								
5	S3.1			C8x18.7 = 280 LF	9500	LB		
	S3.1			HSS8x4x5/16 = 99 LF				
	S3.1	A3/S5.1		12"x12"x1/2" Steel plate = 7 EA				
	S3.1	B1/S5.1		12"x12"x3/8" Steel plate = 6 EA				
	S3.1	A1/S5.1		4"x12"x3/8" Steel plate = 16 EA				
	S3.1	A1/S5.1		8"x8"x3/8" Steel plate = 12 EA				
	S3.1	A1/S5.1		3x3x3/16 steel angle = 130 LF				
	S3.1	A1/S5.1		4x3x1/4 steel angle = 125 LF				
	S3.1			Misc steel (4%)				
6	S3.1	Keynote 313		C6x3-1/2x12GA Cold formed steel purlins	450	LF		
7	S3.1	A1/S5.1		1" Tieback rod	12	EA		
Steel bracing at parapet wall								
8	S3.1	A4/S5.2		HSS2x2x3/16 = 60 LF	2250	LB		
	S3.1	A4/S5.2		L6x6x1/2 = 80 LF				
	S3.1	A4/S5.2		L4x4x1/4 = 62 LF				
Steel joists								
9	S3.1			26K	118	LF		
10	S3.1			16K	92	LF		
11	S3.1			30K	940	LF		
12	S3.1	Keynote 304		Steel joist bridging per SJI requirements by Joist manufacturer	228	LF		
Metal deck								
13	S3.1	Keynote 301		1-1/2" 20GA Metal deck	7110	SF		
14	S3.1	Keynote 314		1-1/2" 22GA Metal deck	1250	SF		
Grating								
15	S3.1	Keynote 320		1-1/2" Steel bar grating per GSN	390	SF		
Cold formed Metal studs framing								
16	A1.0	Wall type 1 & 2		1-5/8" Metal studs incl. tracks	1100	LF		

S#	DWG #	DETAIL #	CSI NO	DESCRIPTION	QTY.	UNIT	UNIT COST LAB.+MAT.	TOTAL COST: LAB. + MAT.
17	A1.0	Wall type 2 & 3		6" Metal studs incl. tracks - exterior	3750	LF		
18	A1.0	Wall type 5		6" Metal studs incl. tracks - interior	350	LF		
				Misc. metal				
19	S3.1	A2/S5.2		6"x18GA steel plate below shear wall	40	LF		
20	A5.0	Keynote 32		18'H Metal access ladder	1	EA		
21	A5.0	Keynote 33		1-1/2" dia. X 42"H guardrail	10	LF		
22	A5.0	Keynote 35		3" dia.x 5'10"H Mounting rail for cell equipment Note: Extent of rail is not shown on plans	1	LS		
23	A1.1	3/A8.0		19'H Roof access ladder	1	EA		
				Subtotal				
				PAD H				
				Building steel framing				
24	S2.1	S1.1		HSS4x4x5/16 column (C1) = 75 LF	3900	LB		
	S3.1	S1.1		L3-1/2x3-1/2x1/4 steel perimeter angle (L1, L2) = 421 LF				
	S2.1	S1.1		3/4"x11"x11" steel plate = 5 EA				
				Misc. steel 5%				
				Steel framing at roof opening/mechanical unit support				
25	S3.1	A1/S1.3		C8x11.5 = 152 LF	2250	LB		
	S3.1	A1/S1.3		8"x1/4" steel plate = 70 LF				
				Steel lintels				
26	S3.1	S1.1		W16x31 w/ 3/8" steel plate (SL4) = 116 LF	5500	LB		
	S3.1	Keynote 315		L4x4x3/8 steel lintel brace = 70 LF				
				Awning framing				
27	S3.1			C8x13.7 = 315 LF	7950	LB		
	S3.1			HSS8x4x1/4 = 87 LF				
	S3.1	A3/S5.1		12"x12"x1/2" Steel plate = 6 EA				
	S3.1	B1/S5.1		12"x12"x3/8" Steel plate = 6 EA				
	S3.1	A1/S5.1		4"x12"x3/8" Steel plate = 17 EA				
	S3.1	A1/S5.1		8"x8"x3/8" Steel plate = 17 EA				
	S3.1	A1/S5.1		3x3x3/16 steel angle = 140 LF				
	S3.1	A1/S5.1		4x3x1/4 steel angle = 140 LF				
	S3.1			Misc steel (4%)				
28	S3.1	Keynote 313		C6x3-1/2x12GA Cold formed steel purlins	403	LF		
29	S3.1	A1/S5.1		1" Tieback rod	17	EA		
				Steel bracing at parapet wall				
30	S3.1	A4/S5.2		HSS2x2x3/16 = 84 LF	2695	LB		
	S3.1	A4/S5.2		L6x6x1/2 = 82 LF				
	S3.1	A4/S5.2		L4x4x1/4 = 110 LF				
				Steel joists				
31	S3.1			30K	1410	LF		
				Metal deck				
32	S3.1	Keynote 301		1-1/2" 20GA Metal deck	8745	SF		
33	S3.1	Keynote 314		1-1/2" 22GA Metal deck	1150	SF		
				Cold formed Metal studs framing				
34	A1.0	Wall type 1 & 4		1-5/8" Metal studs incl. tracks	1150	LF		
35	A1.0	Wall type 4 & 5		6" Metal studs incl. tracks - exterior	3200	LF		
36	A1.0	Wall type 3		6" Metal studs incl. tracks - interior	580	LF		
				Misc. metal				
37	A1.1	3/A8.0		19'H Roof access ladder	1	EA		
				Subtotal				
				TOTAL				
				OVERHEAD (5%)				
				PROFIT (12%)				
				GRAND TOTAL				