

PROJECT ID: MIAMI FREEDOM PARK STADIUM
 ADDRESS:
 SCOPE: METAL



CONTACT:
 E-MAIL ADDRESS:
 PHONE NUMBER:
 Date:

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	WSTG	QUANTITY w/ WASTAGE	UNIT COST (Material)	UNIT COST (Labor)	TOTAL COST (Labor + Material)	TRADE COST
GENERAL REQUIREMENTS										
1		Supervision	1	LS	0%	1	\$ -	\$ -	\$ -	
2		Permits	1	LS	0%	1	\$ -	\$ -	\$ -	
3		Final Clean-up	1	LS	0%	1	\$ -	\$ -	\$ -	
4		Mobilization Costs	1	LS	0%	1	\$ -	\$ -	\$ -	
5		Bonds	1	LS	0%	1	\$ -	\$ -	\$ -	
6		Temporary Control & Facilities	1	LS	0%	1	\$ -	\$ -	\$ -	
7		Mobile Scaffolding/ Lift	1	SF	0%	1	\$ -	\$ -	\$ -	
Subtotal (General Requirements)										\$0
DIVISION 05- METALS										
STUD WALL FRAMING										
LEVEL 000										
METAL STUDS										
8		3-5/8" Metal Studs @ 16" O.C - 20 Ga.	98554	LF	10%	108409	\$ 3.00	\$ 2.00	\$ 542,046	
9		6" Metal Studs @ 16" O.C - 20 Ga.	36842	LF	10%	40526	\$ 4.00	\$ 3.00	\$ 283,682	
METAL RUNNERS										
10		3-5/8" Metal Runners @ Top & Bottom - 20 Ga.	22544	LF	10%	24798	\$ 3.00	\$ 2.00	\$ 123,992	
11		6" Metal Runners @ Top & Bottom - 20 Ga.	8766	LF	10%	9643	\$ 4.00	\$ 3.00	\$ 67,498	
ANGLE										
12		Steel Angle @ Underside Of Slab / Beam	14004	LF	10%	15404	\$ 9.00	\$ 6.00	\$ 231,066	
LEVEL 050										
METAL STUDS										
13		3-5/8" Metal Studs @ 16" O.C - 20 Ga.	17846	LF	10%	19631	\$ 3.00	\$ 2.00	\$ 98,154	
14		6" Metal Studs @ 16" O.C - 20 Ga.	7692	LF	10%	8461	\$ 4.00	\$ 3.00	\$ 59,227	
METAL RUNNERS										
15		3-5/8" Metal Runners @ Top & Bottom - 20 Ga.	4348	LF	10%	4783	\$ 3.00	\$ 2.00	\$ 23,914	
16		6" Metal Runners @ Top & Bottom - 20 Ga.	1874	LF	10%	2061	\$ 4.00	\$ 3.00	\$ 14,430	
ANGLE										
17		Steel Angle @ Underside Of Slab / Beam	206	LF	10%	227	\$ 9.00	\$ 6.00	\$ 3,399	
LEVEL 100										
METAL STUDS										
18		3-5/8" Metal Studs @ 16" O.C - 20 Ga.	71866	LF	10%	79052	\$ 3.00	\$ 2.00	\$ 395,261	
19		6" Metal Studs @ 16" O.C - 20 Ga.	30093	LF	10%	33103	\$ 4.00	\$ 3.00	\$ 231,718	
METAL RUNNERS										
20		3-5/8" Metal Runners @ Top & Bottom - 20 Ga.	7704	LF	10%	8474	\$ 3.00	\$ 2.00	\$ 42,372	
21		6" Metal Runners @ Top & Bottom - 20 Ga.	3226	LF	10%	3549	\$ 4.00	\$ 3.00	\$ 24,840	
ANGLE										
22		Steel Angle @ Underside Of Slab / Beam	9297	LF	10%	10227	\$ 9.00	\$ 6.00	\$ 153,401	
LEVEL 200										
METAL STUDS										
23		3-5/8" Metal Studs @ 16" O.C - 20 Ga.	18559	LF	10%	20415	\$ 3.00	\$ 2.00	\$ 102,074	
24		6" Metal Studs @ 16" O.C - 20 Ga.	7781	LF	10%	8559	\$ 4.00	\$ 3.00	\$ 59,911	
METAL RUNNERS										
25		3-5/8" Metal Runners @ Top & Bottom - 20 Ga.	3826	LF	10%	4209	\$ 3.00	\$ 2.00	\$ 21,043	
26		6" Metal Runners @ Top & Bottom - 20 Ga.	1604	LF	10%	1764	\$ 4.00	\$ 3.00	\$ 12,351	
LEVEL 300										
METAL STUDS										
27		3-5/8" Metal Studs @ 16" O.C - 20 Ga.	19057	LF	10%	20962	\$ 3.00	\$ 2.00	\$ 104,812	
28		6" Metal Studs @ 16" O.C - 20 Ga.	7815	LF	10%	8596	\$ 4.00	\$ 3.00	\$ 60,175	
METAL RUNNERS										
29		3-5/8" Metal Runners @ Top & Bottom - 20 Ga.	3648	LF	10%	4013	\$ 3.00	\$ 2.00	\$ 20,064	
30		6" Metal Runners @ Top & Bottom - 20 Ga.	1496	LF	10%	1646	\$ 4.00	\$ 3.00	\$ 11,519	
LEVEL 400										



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METAL STUDS										
31		3-5/8" Metal Studs @ 16" O.C - 20 Ga.	919	LF	10%	1011	\$ 3.00	\$ 2.00	\$ 5,057	
32		6" Metal Studs @ 16" O.C - 20 Ga.	1985	LF	10%	2184	\$ 4.00	\$ 3.00	\$ 15,285	
METAL RUNNERS										
33		3-5/8" Metal Runners @ Top & Bottom - 20 Ga.	176	LF	10%	194	\$ 3.00	\$ 2.00	\$ 968	
34		6" Metal Runners @ Top & Bottom - 20 Ga.	380	LF	10%	418	\$ 4.00	\$ 3.00	\$ 2,926	
ROOF CANOPY										
COLUMNS										
35		HSS Round Column 24x0.375 (94.73 lb/ft)	321800	LB	10%	353980	\$ 3.00	\$ 2.00	\$ 1,769,900	
36		HSS Round Column 24x0.5 (124.71 lb/ft)	162400	LB	10%	178640	\$ 3.00	\$ 2.00	\$ 893,200	
37		HSS Round Column 24x0.625 (157.3 lb/ft)	163600	LB	10%	179960	\$ 3.00	\$ 2.00	\$ 899,800	
BEAMS										
38		Radial Beam 12x12x0.5x0.5 (78.2 lb/ft)	126600	LB	10%	139260	\$ 3.00	\$ 2.00	\$ 696,300	
39		End Beam 12x16x0.5x0.5 (91.9 lb/ft)	216200	LB	10%	237820	\$ 3.00	\$ 2.00	\$ 1,189,100	
40		Tangential Beam 12x6x0.375x0.375 (44 lb/ft)	104000	LB	10%	114400	\$ 3.00	\$ 2.00	\$ 572,000	
41		Radial Beam 48x24x0.5x0.5 (241.58 lb/ft)	173000	LB	10%	190300	\$ 3.00	\$ 2.00	\$ 951,500	
42		Radial Beam 48x24x1.5x0.625 (436.42 lb/ft)	319200	LB	10%	351120	\$ 3.00	\$ 2.00	\$ 1,755,600	
43		Radial Beam 48x24x0.625x0.75 (340.54 lb/ft)	206200	LB	10%	226820	\$ 3.00	\$ 2.00	\$ 1,134,100	
44		Trellis Tangential Beam 20x8x0.3125x0.3125 (58.31 lb/ft)	139600	LB	10%	153560	\$ 3.00	\$ 2.00	\$ 767,800	
45		Trellis Tangential Beam 12x8x0.25x0.25 (33.19 lb/ft)	77400	LB	10%	85140	\$ 3.00	\$ 2.00	\$ 425,700	
46		Trellis Beam 34x12x0.25x0.25 (69.78 lb/ft)	133600	LB	10%	146960	\$ 3.00	\$ 2.00	\$ 734,800	
COLUMN KICKER										
47		HSS Round Column Kicker 6.875x0.375 (26.32 lb/ft)	2800	LB	10%	3080	\$ 3.00	\$ 2.00	\$ 15,400	
COMPRESSION RING										
48		Compression Ring 48x72x1.625x1.875	3102000	LB	10%	3412200	\$ 3.00	\$ 2.00	\$ 17,061,000	
ROOF STRUTS										
49		HSS Round Main Strut 18x0.5 (92.56 lb/ft)	155200	LB	10%	170720	\$ 3.00	\$ 2.00	\$ 853,600	
50		HSS Round Truss Strut 6.625x0.432 (28.69 lb/ft)	73200	LB	10%	80520	\$ 3.00	\$ 2.00	\$ 402,600	
51		HSS Round Inner Roof Strut 12.75x0.375 (49.64 lb/ft)	101800	LB	10%	111980	\$ 3.00	\$ 2.00	\$ 559,900	
MEMBRANE ARCH										
52		HSS Round Membrane Arch 14x0.375 (54.61 lb/ft)	736000	LB	10%	809600	\$ 3.00	\$ 2.00	\$ 4,048,000	
TENSION RING										
53		Upper Tension Ring, D=85mm	308200	LB	10%	339020	\$ 3.00	\$ 2.00	\$ 1,695,100	
54		Lower Tension Ring, D=110mm	516200	LB	10%	567820	\$ 3.00	\$ 2.00	\$ 2,839,100	
55		Tension Ring Vertical Bracing, D=60mm	63000	LB	10%	69300	\$ 3.00	\$ 2.00	\$ 346,500	
CABLES										
56		Upper Radial Cable, D=80mm	79000	LB	10%	86900	\$ 3.00	\$ 2.00	\$ 434,500	
57		Upper Radial Cable, D=105mm	115600	LB	10%	127160	\$ 3.00	\$ 2.00	\$ 635,800	
58		Lower Radial Cable, D=95mm	81200	LB	10%	89320	\$ 3.00	\$ 2.00	\$ 446,600	
59		Lower Radial Cable, D=140mm	206000	LB	10%	226600	\$ 3.00	\$ 2.00	\$ 1,133,000	
60		Lower Radial Cable, D=105mm	37800	LB	10%	41580	\$ 3.00	\$ 2.00	\$ 207,900	
61		Column Bracing, Dual Cable, D=60mm	38600	LB	10%	42460	\$ 3.00	\$ 2.00	\$ 212,300	
62		Membrane Arch Cable, D=28mm 1x37	42600	LB	10%	46860	\$ 3.00	\$ 2.00	\$ 234,300	
CONNECTIONS										
PLATE										
63		2'8" Dia Base Plate	70	EA	0%	70	\$ 120.00	\$ 80.00	\$ 14,000	
64		5'-8" x 3'-4" Oval Base Plate	16	EA	0%	16	\$ 200.00	\$ 100.00	\$ 4,800	
65		1'-2" x 0'-2" Stiffener Plate	32	EA	0%	32	\$ 90.00	\$ 60.00	\$ 4,800	
66		3/4" Lug Plate	328	EA	0%	328	\$ 50.00	\$ 30.00	\$ 26,240	
67		1-3/4" Lug Plate	260	EA	0%	260	\$ 50.00	\$ 30.00	\$ 20,800	
68		2-1/2" Lug Plate	10	EA	0%	10	\$ 55.00	\$ 30.00	\$ 850	
69		2-1/4" Lug Plate	96	EA	0%	96	\$ 55.00	\$ 30.00	\$ 8,160	
70		2-3/8" Lug Plate	192	EA	0%	192	\$ 55.00	\$ 30.00	\$ 16,320	
71		3" Lug Plate	48	EA	0%	48	\$ 60.00	\$ 30.00	\$ 4,320	
72		4-1/2" Lug Plate	48	EA	0%	48	\$ 60.00	\$ 40.00	\$ 4,800	
73		1-1/2" Boss Plate	384	EA	0%	384	\$ 50.00	\$ 30.00	\$ 30,720	
74		1/2" Boss Plate	328	EA	0%	328	\$ 50.00	\$ 30.00	\$ 26,240	
75		3-1/4" Head Plate	48	EA	0%	48	\$ 60.00	\$ 40.00	\$ 4,800	
76		2-1/2" Head Plate	48	EA	0%	48	\$ 55.00	\$ 30.00	\$ 4,080	
77		1/2" Head Plate	96	EA	0%	96	\$ 50.00	\$ 30.00	\$ 7,680	
SHEAR KEY										
78		W6x16 Shear Key	2240	LB	10%	2464	\$ 3.00	\$ 2.00	\$ 12,320	
79		W8x88 Shear Key	4224	LB	10%	4646	\$ 3.00	\$ 2.00	\$ 23,232	
ANCHOR BOLTS										
80		1-1/2" Dia Anchor Bar F1554 Grade 105	376	EA	0%	376	\$ 60.00	\$ 40.00	\$ 37,600	
81		1-1/2" Dia SC Bolts A460	2496	EA	0%	2496	\$ 1.20	\$ 0.80	\$ 4,992	
82		1" Dia SC Bolts A460	960	EA	0%	960	\$ 1.20	\$ 0.80	\$ 1,920	
83		Anchor Bolts <i>Detail Not Provided</i>	944	EA	0%	944	\$ 1.80	\$ 1.20	\$ 2,832	
84		1/2" Dia Bolt	26952	EA	0%	26952	\$ 0.60	\$ 0.40	\$ 26,952	



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		PIN								
85		5-3/8" Dia 34CrNiMo6 Hot Dip Galvanized Pin	96	EA	0%	96	\$ 3.00	\$ 2.00	\$ 480	
86		5" Dia 34CrNiMo6 Hot Dip Galvanized Pin	134	EA	0%	134	\$ 3.00	\$ 2.00	\$ 670	
87		4-1/2" Dia 34CrNiMo6 Hot Dip Galvanized Pin	58	EA	0%	58	\$ 2.50	\$ 1.50	\$ 232	
88		Pin Connection <i>Detail Not Provided</i>	72	EA	0%	72	\$ 3.00	\$ 2.00	\$ 360	
		CLAMP								
89		Cable Clamp	72	EA	0%	72	\$ 40.00	\$ 20.00	\$ 4,320	
90		Tension Ring Cable Clamp	96	EA	0%	96	\$ 40.00	\$ 20.00	\$ 5,760	
		CATWALK								
		COLUMNS								
91		W4X13 Column (13 LB/FT)	4459	LB	10%	4905	\$ 3.00	\$ 2.00	\$ 24,525	
92		HSS Column 2x2x1/4" (5.41LB/FT)	265	LB	10%	292	\$ 3.00	\$ 2.00	\$ 1,458	
		BEAMS								
93		HSS Beam 4x2x1/4" (8.81LB/FT)	9888	LB	10%	10877	\$ 3.00	\$ 2.00	\$ 54,385	
94		W4X13 Beam (13LB/FT)	5950	LB	10%	6545	\$ 3.00	\$ 2.00	\$ 32,723	
		ANGLE								
95		L 4x4x1/4 (6.6 LB/FT)	7408	LB	10%	8149	\$ 3.00	\$ 2.00	\$ 40,744	
96		L 2x2x1/4 (3.19 LB/FT)	3949	LB	10%	4344	\$ 3.00	\$ 2.00	\$ 21,720	
97		C 5x6.7 (6.7 LB/FT)	7520	LB	10%	8272	\$ 3.00	\$ 2.00	\$ 41,360	
		GRID PLATE								
98		Grid Plates	2304	SF	10%	2535	\$ 5.00	\$ 3.00	\$ 20,278	
		GUARDRAIL								
99		Guardrail	1124	LF	10%	1236	\$ 30.00	\$ 10.00	\$ 49,456	
		STAIR RAILING								
100		1-1/4" Continuous HSS Tube Steel Guardrail with Handrail - 2'-10" High	356	LF	10%	391	\$ 55.00	\$ 20.00	\$ 29,337	
101		1-1/2" Schedule 40 Steel Pipe Handrail	573	LF	10%	630	\$ 35.00	\$ 10.00	\$ 28,354	
		BOWL RAILING								
102		AR: 2'-10" High Anodized Aluminum Tube Guardrail	3029	LF	10%	3332	\$ 30.00	\$ 10.00	\$ 133,296	
103		SSR-1: 3'-0" High Metal Safe Standing Rail	1833	LF	10%	2016	\$ 30.00	\$ 10.00	\$ 80,652	
104		Metal Picket Railing <i>By Manufacturer</i>	1651	LF	10%	1816	\$ 30.00	\$ 10.00	\$ 72,647	
105		DR-1: 3'-6" High Drink Rail	193	LF	10%	212	\$ 30.00	\$ 10.00	\$ 8,488	
		STAIRS								
		NW STAIRS								
		STRINGER								
106		HSS 12x2x5/8 (55.78 LB/FT)	2855	LB	10%	3141	\$ 3.00	\$ 2.00	\$ 15,705	
107		HSS 16x4x5/8 (88.27 LB/FT)	1148	LB	10%	1262	\$ 3.00	\$ 2.00	\$ 6,311	
		BEAMS								
108		HSS 10x6x5/8 (77.12 LB/FT)	1914	LB	10%	2106	\$ 3.00	\$ 2.00	\$ 10,528	
109		HSS 16x4x5/8 (88.27 LB/FT)	994	LB	10%	1093	\$ 3.00	\$ 2.00	\$ 5,467	
		POST								
110		HSS 4x4x5/16 (19.65 LB/FT)	177	LB	10%	195	\$ 3.00	\$ 2.00	\$ 973	
		STAIR 02,04,06 & 08								
		STRINGER								
111		Stairs Stringer <i>- Details Not Provided</i>	676	LF	10%	744	\$ 7.00	\$ 6.00	\$ 9,674	
		LANDING BEAM								
112		Stairs Landing Beam <i>- Details Not Provided</i>	339	LF	10%	373	\$ 9.00	\$ 6.00	\$ 5,590	
		LEVEL 050 FRAMING								
		BEAM								
113		W16 x 26 (26LB/FT)	1742	LB	10%	1916	\$ 3.00	\$ 2.00	\$ 9,581	
114		W12 x 26 (26LB/FT)	848	LB	10%	932	\$ 3.00	\$ 2.00	\$ 4,662	
115		W18 x 50 (50LB/FT)	2581	LB	10%	2839	\$ 3.00	\$ 2.00	\$ 14,193	
116		W12 x 19 (19LB/FT)	118	LB	10%	130	\$ 3.00	\$ 2.00	\$ 650	
117		W24 x 55 (55LB/FT)	47361	LB	10%	52097	\$ 3.00	\$ 2.00	\$ 260,486	
118		W14 x 22 (22LB/FT)	6953	LB	10%	7648	\$ 3.00	\$ 2.00	\$ 38,240	
119		W16 x 40 (40LB/FT)	720	LB	10%	792	\$ 3.00	\$ 2.00	\$ 3,958	
120		HSS18 x 6 x 3/8 (58.1LB/FT)	1158	LB	10%	1274	\$ 3.00	\$ 2.00	\$ 6,369	
121		W21 x 44 (44LB/FT)	67350	LB	10%	74085	\$ 3.00	\$ 2.00	\$ 370,427	
122		W24 x 55 (55LB/FT)	6912	LB	10%	7603	\$ 3.00	\$ 2.00	\$ 38,015	
123		W24 x 76 (76LB/FT)	13189	LB	10%	14508	\$ 3.00	\$ 2.00	\$ 72,540	
124		W33 x 118 (118LB/FT)	10633	LB	10%	11696	\$ 3.00	\$ 2.00	\$ 58,481	
125		W18 x 35 (35LB/FT)	1673	LB	10%	1840	\$ 3.00	\$ 2.00	\$ 9,202	
126		W30 x 90 (90LB/FT)	5514	LB	10%	6066	\$ 3.00	\$ 2.00	\$ 30,329	
127		W33 x 118 (118LB/FT)	4393	LB	10%	4832	\$ 3.00	\$ 2.00	\$ 24,162	
128		W24 x 76 (76LB/FT)	5171	LB	10%	5688	\$ 3.00	\$ 2.00	\$ 28,441	
129		W12 x 22 (22LB/FT)	3256	LB	10%	3582	\$ 3.00	\$ 2.00	\$ 17,908	
130		W12 x 35 (35LB/FT)	3050	LB	10%	3355	\$ 3.00	\$ 2.00	\$ 16,774	
131		W30 x 90 (90LB/FT)	4874	LB	10%	5362	\$ 3.00	\$ 2.00	\$ 26,809	
132		W24 x 68 (68LB/FT)	1493	LB	10%	1643	\$ 3.00	\$ 2.00	\$ 8,213	

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133		W24 x 94 (94LB/FT)	2473	LB	10%	2720	\$ 3.00	\$ 2.00	\$ 13,602	
134		W24 x 68 (68LB/FT)	5290	LB	10%	5819	\$ 3.00	\$ 2.00	\$ 29,093	
135		W18 x 40 (40LB/FT)	2029	LB	10%	2232	\$ 3.00	\$ 2.00	\$ 11,158	
136		W21 x 44 (44LB/FT)	818	LB	10%	899	\$ 3.00	\$ 2.00	\$ 4,496	
137		W18 x 35 (35LB/FT)	2948	LB	10%	3243	\$ 3.00	\$ 2.00	\$ 16,214	
138		W21 x 50 (50 LB/FT)	10639	LB	10%	11703	\$ 3.00	\$ 2.00	\$ 58,515	
139		W24 x 76 (76LB/FT)	3238	LB	10%	3561	\$ 3.00	\$ 2.00	\$ 17,807	
140		W16 x 40 (40LB/FT)	705	LB	10%	776	\$ 3.00	\$ 2.00	\$ 3,879	
141		W16 x 26 (26LB/FT)	1370	LB	10%	1508	\$ 3.00	\$ 2.00	\$ 7,538	
142		HSS8 x 6 x 3/8 (32.58LB)	1387	LB	10%	1525	\$ 3.00	\$ 2.00	\$ 7,626	
143		W24 x 68 (68LB/FT)	2527	LB	10%	2780	\$ 3.00	\$ 2.00	\$ 13,898	
144		HSS10 x 6 x 5/8 (31.84LB/FT)	395	LB	10%	435	\$ 3.00	\$ 2.00	\$ 2,173	
145		HSS12x12x3/4 (110LB/FT)	5341	LB	10%	5875	\$ 3.00	\$ 2.00	\$ 29,373	
146		HSS10x10x3/8 (47.9LB/FT)	1397	LB	10%	1537	\$ 3.00	\$ 2.00	\$ 7,685	
147		W18x50 (50 LB/FT)	1065	LB	10%	1172	\$ 3.00	\$ 2.00	\$ 5,858	
148		W24x76 (76 Lb/Ft)	13316	LB	10%	14648	\$ 3.00	\$ 2.00	\$ 73,238	
		BRACING								
149		HSSS14x14x7/8 (150LB/FT)	13628	LB	10%	14990	\$ 3.00	\$ 2.00	\$ 74,951	
150		HSS10x10x3/8 (47.9LB/FT)	1404	LB	10%	1544	\$ 3.00	\$ 2.00	\$ 7,722	
		KICKER								
151		HSS4x4x1/4 (12.2LB/FT)	3254	LB	10%	3579	\$ 3.00	\$ 2.00	\$ 17,897	
		ANGLE SUPPORT								
152		L4x4x3/8 (9.8LB/FT)	1194	LB	10%	1314	\$ 3.00	\$ 2.00	\$ 6,569	
		DECKING								
153		D1: 3" Metal Deck - 18 Ga. - With 3/4" Dia Composite Studs, Length 6-3/16"	23651	SF	10%	26016	\$ 9.00	\$ 6.00	\$ 390,247	
		POSTS								
154		HSS 4x4x1/2 (21.63LB/FT)	1082	LB	10%	1190	\$ 3.00	\$ 2.00	\$ 5,948	
155		HSS 4x4x1/4 (12.2LB/FT)	305	LB	10%	336	\$ 3.00	\$ 2.00	\$ 1,678	
156		HSS 8x6x3/8 (32.6LB/FT)	326	LB	10%	359	\$ 3.00	\$ 2.00	\$ 1,793	
		CONNECTIONS								
157		Extended Single Plate	156	EA	0%	156	\$ 40.00	\$ 20.00	\$ 9,360	
158		Stabilizer Plate	156	EA	0%	156	\$ 50.00	\$ 30.00	\$ 12,480	
159		Bent Plate	157	EA	0%	157	\$ 60.00	\$ 40.00	\$ 15,700	
160		Structural Bolts	2244	EA	0%	2244	\$ 1.20	\$ 0.80	\$ 4,488	
161		Gusset Plate	60	EA	0%	60	\$ 15.00	\$ 5.00	\$ 1,200	
162		Shear Embedded Plate	7	EA	0%	7	\$ 40.00	\$ 20.00	\$ 420	
163		Lateral Drag Struct Connection	16	EA	0%	16	\$ 40.00	\$ 20.00	\$ 960	
164		Stiffner Plate	21	EA	0%	21	\$ 60.00	\$ 40.00	\$ 2,100	
165		Flange Plate	32	EA	0%	32	\$ 60.00	\$ 40.00	\$ 3,200	
166		5/8" Dia Anchor Bolt	213	EA	0%	213	\$ 1.80	\$ 1.20	\$ 640	
167		3/8" Bent Plate	107	EA	0%	107	\$ 50.00	\$ 30.00	\$ 8,535	
		LEVEL 100 FRAMING								
		BEAM								
168		HSS20 x 4 x 1/2 (58.11LB/FT)	15861	LB	10%	17447	\$ 3.00	\$ 2.00	\$ 87,237	
169		HSS10 x 8 x 1/4 (29.23LB/FT)	7308	LB	10%	8038	\$ 3.00	\$ 2.00	\$ 40,191	
170		W21 x 44 (44LB/FT)	99194	LB	10%	109113	\$ 3.00	\$ 2.00	\$ 545,565	
171		W30 x 90 (90LB/FT)	29088	LB	10%	31997	\$ 3.00	\$ 2.00	\$ 159,984	
172		W24 x 55 (55LB/FT)	11735	LB	10%	12909	\$ 3.00	\$ 2.00	\$ 64,544	
173		W24 x 68 (68LB/FT)	24023	LB	10%	26425	\$ 3.00	\$ 2.00	\$ 132,127	
174		W18 x 35 (35LB/FT)	10754	LB	10%	11829	\$ 3.00	\$ 2.00	\$ 59,146	
175		W21 x 50 (50 LB/FT)	9453	LB	10%	10398	\$ 3.00	\$ 2.00	\$ 51,989	
176		W24 x 76 (76LB/FT)	1822	LB	10%	2005	\$ 3.00	\$ 2.00	\$ 10,024	
177		W16 x 40 (40LB/FT)	1432	LB	10%	1575	\$ 3.00	\$ 2.00	\$ 7,874	
178		W16 x 26 (26LB/FT)	2358	LB	10%	2594	\$ 3.00	\$ 2.00	\$ 12,970	
179		W16 x 26 (26LB/FT)	2090	LB	10%	2299	\$ 3.00	\$ 2.00	\$ 11,496	
180		W14 x 22 (22LB/FT)	567	LB	10%	624	\$ 3.00	\$ 2.00	\$ 3,119	
181		W14 x 22 (22LB/FT)	1995	LB	10%	2194	\$ 3.00	\$ 2.00	\$ 10,972	
182		W27 x 94 (94LB/FT)	8961	LB	10%	9857	\$ 3.00	\$ 2.00	\$ 49,286	
183		W24 x 76 (76LB/FT)	32261	LB	10%	35487	\$ 3.00	\$ 2.00	\$ 177,437	
184		W27 x 94 (94LB/FT)	2313	LB	10%	2545	\$ 3.00	\$ 2.00	\$ 12,723	
185		W24 x 55 (55LB/FT)	47557	LB	10%	52313	\$ 3.00	\$ 2.00	\$ 261,563	
186		W33 x 118 (118LB/FT)	12107	LB	10%	13317	\$ 3.00	\$ 2.00	\$ 66,587	
187		W27 x 94 (94LB/FT)	2330	LB	10%	2563	\$ 3.00	\$ 2.00	\$ 12,816	
188		W18 x 40 (40LB/FT)	2044	LB	10%	2249	\$ 3.00	\$ 2.00	\$ 11,244	
189		W24 x 68 (68LB/FT)	8928	LB	10%	9821	\$ 3.00	\$ 2.00	\$ 49,106	
190		W14 x 22 (22LB/FT)	2827	LB	10%	3109	\$ 3.00	\$ 2.00	\$ 15,546	
191		W27 x 84 (84LB/FT)	11241	LB	10%	12365	\$ 3.00	\$ 2.00	\$ 61,825	
192		W16 x 31 (31LB/FT)	3771	LB	10%	4148	\$ 3.00	\$ 2.00	\$ 20,740	
193		W24 x 76 (76LB/FT)	3496	LB	10%	3846	\$ 3.00	\$ 2.00	\$ 19,228	
194		W12 x 19 (19LB/FT)	1366	LB	10%	1502	\$ 3.00	\$ 2.00	\$ 7,510	
195		W12 x 26 (26LB/FT)	2056	LB	10%	2262	\$ 3.00	\$ 2.00	\$ 11,308	
196		HSS8 x 6 x 3/8 (32.58LB)	314	LB	10%	345	\$ 3.00	\$ 2.00	\$ 1,727	
197		HSS18 x 6 x 1/2 (76.07LB/FT)	3119	LB	10%	3431	\$ 3.00	\$ 2.00	\$ 17,154	
198		W21 x 44 (44LB/FT)	21311	LB	10%	23442	\$ 3.00	\$ 2.00	\$ 117,210	
199		W33 x 152 (152LB/FT)	4780	LB	10%	5258	\$ 3.00	\$ 2.00	\$ 26,292	
200		W14 x 53 (53LB/FT)	1194	LB	10%	1313	\$ 3.00	\$ 2.00	\$ 6,565	
201		W18 x 40 (40LB/FT)	3269	LB	10%	3596	\$ 3.00	\$ 2.00	\$ 17,981	
202		W24 x 104 (104LB/FT)	17670	LB	10%	19437	\$ 3.00	\$ 2.00	\$ 97,183	

PROJECT ID: MIAMI FREEDOM PARK STADIUM
 ADDRESS:
 SCOPE: METAL



CONTACT:
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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	WSTG	QUANTITY w/ WASTAGE	UNIT COST (Material)	UNIT COST (Labor)	TOTAL COST (Labor + Material)	TRADE COST
203		W36 x 135 (135LB/FT)	11162	LB	10%	12278	\$ 3.00	\$ 2.00	\$ 61,390	
204		W33 x 118 (118LB/FT)	19438	LB	10%	21382	\$ 3.00	\$ 2.00	\$ 106,910	
205		W30 x 108 (108LB/FT)	9226	LB	10%	10149	\$ 3.00	\$ 2.00	\$ 50,745	
206		W10.5 x 22 (22LB/FT)	455	LB	10%	500	\$ 3.00	\$ 2.00	\$ 2,500	
207		W36 x 182 (182LB/FT)	6543	LB	10%	7197	\$ 3.00	\$ 2.00	\$ 35,986	
208		W27 x 94 (94LB/FT)	20149	LB	10%	22164	\$ 3.00	\$ 2.00	\$ 110,819	
209		W24 x 162 (162LB/FT)	7744	LB	10%	8518	\$ 3.00	\$ 2.00	\$ 42,590	
210		W36 x 182 (182LB/FT)	7417	LB	10%	8158	\$ 3.00	\$ 2.00	\$ 40,791	
211		W24 x 84 (84LB/FT)	5589	LB	10%	6148	\$ 3.00	\$ 2.00	\$ 30,741	
212		W27 x 94 (94LB/FT)	9187	LB	10%	10105	\$ 3.00	\$ 2.00	\$ 50,526	
213		W14 x 48 (48LB/FT)	589	LB	10%	648	\$ 3.00	\$ 2.00	\$ 3,239	
214		W12 x 26 (26LB/FT)	224	LB	10%	247	\$ 3.00	\$ 2.00	\$ 1,233	
215		W12 x 22 (22LB/FT)	183	LB	10%	201	\$ 3.00	\$ 2.00	\$ 1,006	
216		W27 x 84 (84LB/FT)	3563	LB	10%	3920	\$ 3.00	\$ 2.00	\$ 19,598	
217		W14 x 61 (61LB/FT)	637	LB	10%	701	\$ 3.00	\$ 2.00	\$ 3,503	
218		W36 x 135 (135LB/FT)	4026	LB	10%	4428	\$ 3.00	\$ 2.00	\$ 22,141	
219		W14 x 48 (48LB/FT)	783	LB	10%	862	\$ 3.00	\$ 2.00	\$ 4,308	
220		W12 x 26 (26LB/FT)	201	LB	10%	221	\$ 3.00	\$ 2.00	\$ 1,104	
221		W12 x 19 (19LB/FT)	124	LB	10%	136	\$ 3.00	\$ 2.00	\$ 680	
222		W24 x 94 (94LB/FT)	4380	LB	10%	4818	\$ 3.00	\$ 2.00	\$ 24,092	
223		W27x114 (114LB/FT)	8960	LB	10%	9856	\$ 3.00	\$ 2.00	\$ 49,282	
224		W30x108 (108LB/FT)	4671	LB	10%	5138	\$ 3.00	\$ 2.00	\$ 25,691	
225		W24x55 (55LB/FT)	2962	LB	10%	3259	\$ 3.00	\$ 2.00	\$ 16,293	
226		W24x76 (76LB/FT)	1639	LB	10%	1803	\$ 3.00	\$ 2.00	\$ 9,016	
		RACKERS								
227		W24 x 104 (104LB/FT)	19297	LB	10%	21227	\$ 3.00	\$ 2.00	\$ 106,134	
228		W33 x 201 (201LB/FT)	50126	LB	10%	55139	\$ 3.00	\$ 2.00	\$ 275,693	
229		W14 x 53 (53LB/FT)	1190	LB	10%	1309	\$ 3.00	\$ 2.00	\$ 6,544	
230		W33 x 152 (152LB/FT)	4817	LB	10%	5299	\$ 3.00	\$ 2.00	\$ 26,493	
		BRACING								
231		HSSS14x14x3/4 (91LB/FT)	9139	LB	10%	10053	\$ 3.00	\$ 2.00	\$ 50,265	
232		HSSS 12x12x1/2 (75LB/FT)	1815	LB	10%	1997	\$ 3.00	\$ 2.00	\$ 9,983	
233		HSS 10x10x3/8 (48LB/FT)	2971	LB	10%	3268	\$ 3.00	\$ 2.00	\$ 16,342	
234		HSS 10x10x1/2 (61LB/FT)	717	LB	10%	788	\$ 3.00	\$ 2.00	\$ 3,942	
		KICKER								
235		HSS 10x10x1/2 (61LB/FT)	450	LB	10%	495	\$ 3.00	\$ 2.00	\$ 2,476	
236		L4x4x3/8 (9.8LB/FT)	2558	LB	10%	2813	\$ 3.00	\$ 2.00	\$ 14,067	
237		HSS 6x6x3/8 (27.5LB/FT)	732	LB	10%	805	\$ 3.00	\$ 2.00	\$ 4,023	
		ANGLE SUPPORT								
238		L6x4x3/8 (12.3LB/FT)	49	LB	10%	54	\$ 3.00	\$ 2.00	\$ 271	
239		L5x5x3/8 (12.3LB/FT)	266	LB	10%	293	\$ 3.00	\$ 2.00	\$ 1,464	
240		L4x4x3/8 (9.8LB/FT)	1226	LB	10%	1349	\$ 3.00	\$ 2.00	\$ 6,743	
		DECKING								
241	S100.5A, S100.5B, S100.5C, S101.0A, S101.0B, S101.0C, S101.75A, S101.75C, S101.75D, S101.75E, S101.75F, S101.75G, S101.75H,	D1: 3" Metal Deck - 18 Ga. - With 3/4" Dia Composite Studs, Length 6-3/16"	44127	SF	10%	48539	\$ 9.00	\$ 6.00	\$ 728,089	
242	S101.0A, S101.0B, S101.0C, S101.75A, S101.75C, S101.75D, S101.75E, S101.75F, S101.75G, S101.75H,	D2: 3" Metal Deck - 18 Ga. - With 3/4" Dia Composite Studs, Length 5-3/16"	452	SF	10%	498	\$ 9.00	\$ 6.00	\$ 7,464	
243	S101.75D, S101.75E, S101.75F, S101.75G, S101.75H,	R1: 1-1/2" Roof Deck - 18 Ga. - #12 Tek Screws 36/7 Pattern (Deck To Support Attachment) - #12 Tek Screws 36/7 Pattern (Sidelap Attachment)	184	SF	10%	203	\$ 9.00	\$ 6.00	\$ 3,039	
244	S102A, S102B, S102C, S103B, S103C, S104A, S104B, S104C, S104D, S104E, S104F, S104G, S104H, S310, S311, S312, S501.A- 102A, A- 102B, A- 102C, A- 103A, A- 103B, A- 103C, A- 104A, A- 104C, S801, S802, S803, S804, S805 A-	POSTS								
		HSS 4x4x1/2 (21.63LB/FT)	1136	LB	10%	1249	\$ 3.00	\$ 2.00	\$ 6,246	
		HSS 4x4x1/4 (12.21LB/FT)	2540	LB	10%	2794	\$ 3.00	\$ 2.00	\$ 13,968	
		HSS 8x6x3/8 (22.47LB/FT)	1730	LB	10%	1903	\$ 3.00	\$ 2.00	\$ 9,516	
		CONNECTIONS								
		Extended Single Plate	312	EA	0%	312	\$ 40.00	\$ 20.00	\$ 18,720	
		Stabilizer Plate	312	EA	0%	312	\$ 50.00	\$ 30.00	\$ 24,960	
		1/4" Bent Plate	417	LF	10%	458	\$ 60.00	\$ 40.00	\$ 45,830	
		Bent Plate	256	EA	0%	256	\$ 60.00	\$ 40.00	\$ 25,600	
		Structural Bolts	4508	EA	0%	4508	\$ 1.20	\$ 0.80	\$ 9,016	
		Gusset Plate	26	EA	0%	26	\$ 15.00	\$ 5.00	\$ 520	
		Shear Embedded Plate	8	EA	0%	8	\$ 40.00	\$ 20.00	\$ 480	
		Lateral Drag Struct Connection	96	EA	0%	96	\$ 40.00	\$ 20.00	\$ 5,760	
		Stiffner Plate	170	EA	0%	170	\$ 60.00	\$ 40.00	\$ 17,000	
		Flange Plate	96	EA	0%	96	\$ 60.00	\$ 40.00	\$ 9,600	
		3/8" Bent Plate	8	EA	0%	8	\$ 50.00	\$ 30.00	\$ 671	
		LEVEL 175 FRAMING								
		BEAMS								
		W10 x 30 (30LB/FT)	61298	LB	10%	67428	\$ 3.00	\$ 2.00	\$ 337,140	
		W10 x 15 (15LB/FT)	45725	LB	10%	50297	\$ 3.00	\$ 2.00	\$ 251,486	
		L6 x 4 x 5/16 (10.3LB/FT)	9736	LB	10%	10710	\$ 3.00	\$ 2.00	\$ 53,548	
		W10 x 19 (19LB/FT)	12466	LB	10%	13713	\$ 3.00	\$ 2.00	\$ 68,566	
		W10 x 39 (39LB/FT)	114908	LB	10%	126399	\$ 3.00	\$ 2.00	\$ 631,994	
		W10 x 45 (45LB/FT)	42960	LB	10%	47256	\$ 3.00	\$ 2.00	\$ 236,281	
		W10 x 54 (54LB/FT)	30362	LB	10%	33398	\$ 3.00	\$ 2.00	\$ 166,991	
		W10 x 60 (60LB/FT)	27792	LB	10%	30571	\$ 3.00	\$ 2.00	\$ 152,856	

PROJECT ID: MIAMI FREEDOM PARK STADIUM

ADDRESS:

SCOPE: METAL



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	WSTG	QUANTITY w/ WASTAGE	UNIT COST (Material)	UNIT COST (Labor)	TOTAL COST (Labor + Material)	TRADE COST	
266	100A TO A-101R, A-801 TO A-804, A-550, SC-001-SC501	W10 x 45 (45LB/FT)	1450	LB	10%	1595	\$ 3.00	\$ 2.00	\$ 7,977		
267		W10 x 54 (54LB/FT)	3926	LB	10%	4319	\$ 3.00	\$ 2.00	\$ 21,595		
268		W10 x 33 (33LB/FT)	40552	LB	10%	44608	\$ 3.00	\$ 2.00	\$ 223,038		
269		W10 x 26 (26LB/FT)	3672	LB	10%	4039	\$ 3.00	\$ 2.00	\$ 20,196		
270		HSS12 x 12 x 5/8 (69.2LB/FT)	3745	LB	10%	4120	\$ 3.00	\$ 2.00	\$ 20,598		
271		HSS4x4x1/4 (12.2LB/FT)	20389	LB	10%	22427	\$ 3.00	\$ 2.00	\$ 112,137		
			ANGLE SUPPORT								
272		L6x4 LLV (16.2LB/FT)	16236	LB	10%	17859	\$ 3.00	\$ 2.00	\$ 89,297		
273		L 3-1/2x3-1/2x1/4 (5.81LB/FT)	5802	LB	10%	6383	\$ 3.00	\$ 2.00	\$ 31,913		
274		L 4x4x3/8 (9.8LB/FT)	275	LB	10%	303	\$ 3.00	\$ 2.00	\$ 1,514		
		DECKING									
275		R1: 1-1/2" Roof Deck - 18 Ga. - #12 Tek Screws 36/7 Pattern (Deck To Support Attachment) - #12 Tek Screws 36/7 Pattern (Sidelap Attachment)	59439	SF	10%	65383	\$ 9.00	\$ 6.00	\$ 980,751		
		POSTS									
276		HSS4x4x1/4 (12.2LB/FT)	18170	LB	10%	19987	\$ 3.00	\$ 2.00	\$ 99,933		
277		HSS 6x3x1/4 (25.03LB/FT)	2303	LB	10%	2533	\$ 3.00	\$ 2.00	\$ 12,665		
		CONNECTIONS									
278		Extended Single Plate	93	EA	0%	93	\$ 40.00	\$ 20.00	\$ 5,580		
279		Stabilizer Plate	93	EA	0%	93	\$ 50.00	\$ 30.00	\$ 7,440		
280		Bent Plate	430	EA	0%	430	\$ 60.00	\$ 40.00	\$ 43,000		
281		Structural Bolts	3812	EA	0%	3812	\$ 1.20	\$ 0.80	\$ 7,624		
282		1-1/2" Dia Bolts	543	EA	0%	543	\$ 1.80	\$ 1.20	\$ 1,629		
283		3/4 Dia Anchor Bolt	541	EA	0%	541	\$ 1.80	\$ 1.20	\$ 1,624		
		LEVEL 200 FRAMING									
		BEAM									
284		W21 x 44 (44LB/FT)	69206	LB	10%	76126	\$ 3.00	\$ 2.00	\$ 380,632		
285		W21 x 50 (50 LB/FT)	23426	LB	10%	25769	\$ 3.00	\$ 2.00	\$ 128,843		
286		W24 x 55 (55LB/FT)	13286	LB	10%	14615	\$ 3.00	\$ 2.00	\$ 73,075		
287		W14 x 22 (22LB/FT)	4977	LB	10%	5474	\$ 3.00	\$ 2.00	\$ 27,371		
288		W30 x 108 (108LB/FT)	40865	LB	10%	44952	\$ 3.00	\$ 2.00	\$ 224,758		
289		W30 x 90 (90LB/FT)	6579	LB	10%	7237	\$ 3.00	\$ 2.00	\$ 36,185		
290		W33 x 118 (118LB/FT)	12469	LB	10%	13716	\$ 3.00	\$ 2.00	\$ 68,580		
291		W16 x 31 (31LB/FT)	773	LB	10%	851	\$ 3.00	\$ 2.00	\$ 4,254		
292		W36 x 150 (150LB/FT)	14781	LB	10%	16259	\$ 3.00	\$ 2.00	\$ 81,296		
293		W18 x 35 (35LB/FT)	5961	LB	10%	6557	\$ 3.00	\$ 2.00	\$ 32,787		
294		W16 x 26 (26LB/FT)	4104	LB	10%	4514	\$ 3.00	\$ 2.00	\$ 22,571		
295		W18 x 50 (50LB/FT)	2306	LB	10%	2537	\$ 3.00	\$ 2.00	\$ 12,683		
296		W12 x 19 (19LB/FT)	378	LB	10%	416	\$ 3.00	\$ 2.00	\$ 2,080		
297		HSS18 x 6 x 3/8 (58.1LB/FT)	2336	LB	10%	2570	\$ 3.00	\$ 2.00	\$ 12,849		
298		HSS8 x 6 x 3/8 (32.58LB)	717	LB	10%	788	\$ 3.00	\$ 2.00	\$ 3,942		
299		W16 x 40 (40LB/FT)	1428	LB	10%	1571	\$ 3.00	\$ 2.00	\$ 7,854		
300		W24 x 76 (76LB/FT)	3662	LB	10%	4028	\$ 3.00	\$ 2.00	\$ 20,139		
301		W24 x 68 (68LB/FT)	7045	LB	10%	7749	\$ 3.00	\$ 2.00	\$ 38,746		
302		W16 x 31 (31LB/FT)	1898	LB	10%	2088	\$ 3.00	\$ 2.00	\$ 10,441		
303		W36 x 170 (170LB/FT)	7222	LB	10%	7944	\$ 3.00	\$ 2.00	\$ 39,719		
304		W27 x 84 (84LB/FT)	7884	LB	10%	8673	\$ 3.00	\$ 2.00	\$ 43,363		
305		W36 x 150 (150LB/FT)	5784	LB	10%	6362	\$ 3.00	\$ 2.00	\$ 31,812		
306		W18 x 35 (35LB/FT)	2525	LB	10%	2778	\$ 3.00	\$ 2.00	\$ 13,889		
307		W12 x 26 (26LB/FT)	348	LB	10%	382	\$ 3.00	\$ 2.00	\$ 1,912		
308		W18x40 (40LB/FT)	764	LB	10%	840	\$ 3.00	\$ 2.00	\$ 4,202		
309		W18x50 (50LB/FT)	2198	LB	10%	2418	\$ 3.00	\$ 2.00	\$ 12,089		
310		W24x55 (55LB/FT)	6325	LB	10%	6958	\$ 3.00	\$ 2.00	\$ 34,788		
311		HSS 10x10x3/8 (61.2LB/FT)	1914	LB	10%	2105	\$ 3.00	\$ 2.00	\$ 10,525		
312		HSS 8x8x3/8 (37.8LB/FT)	3872	LB	10%	4259	\$ 3.00	\$ 2.00	\$ 21,295		
		BRACING									
313		HSS8x8x3/8 (37.8LB/FT)	2144	LB	10%	2359	\$ 3.00	\$ 2.00	\$ 11,794		
314		HSS12x12x1/2 (76.07LB/FT)	7405	LB	10%	8145	\$ 3.00	\$ 2.00	\$ 40,726		
315		HSS10x10x3/8 (61.2LB/FT)	1881	LB	10%	2069	\$ 3.00	\$ 2.00	\$ 10,347		
		KICKER									
316		L 4x4x3/8 (9.8LB/FT)	1427	LB	10%	1569	\$ 3.00	\$ 2.00	\$ 7,847		
		ANGLE SUPPORT									
317		L 3-1/2x3-1/2x1/4 (5.81LB/FT)	623	LB	10%	685	\$ 3.00	\$ 2.00	\$ 3,426		
318		L 4x4x3/8 (9.8LB/FT)	2715	LB	10%	2986	\$ 3.00	\$ 2.00	\$ 14,931		
		DECKING									
319		D1: 3" Metal Deck - 18 Ga. - With 3/4" Dia Composite Studs, Length 6-3/16"	23254	SF	10%	25580	\$ 9.00	\$ 6.00	\$ 383,697		
		POSTS									
320		HSS 8x6x3/8 (32.58LB/FT)	1759	LB	10%	1935	\$ 3.00	\$ 2.00	\$ 9,676		
		CONNECTIONS									
321		Extended Single Plate	158	EA	0%	158	\$ 40.00	\$ 20.00	\$ 9,480		
322		Stabilizer Plate	158	EA	0%	158	\$ 50.00	\$ 30.00	\$ 12,640		
323		Bent Plate	157	EA	0%	157	\$ 60.00	\$ 40.00	\$ 15,700		
324		Structural Bolts	2240	EA	0%	2240	\$ 1.20	\$ 0.80	\$ 4,480		

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392		W27 x 114 (114LB/FT)	1236	LB	10%	1359	\$ 3.00	\$ 2.00	\$ 6,797	
393		W18 x 40 (40LB/FT)	14106	LB	10%	15517	\$ 3.00	\$ 2.00	\$ 77,583	
394		W12 x 99 (99LB/FT)	643	LB	10%	707	\$ 3.00	\$ 2.00	\$ 3,534	
395		W12 x 26 (26LB/FT)	694	LB	10%	763	\$ 3.00	\$ 2.00	\$ 3,815	
396		W24 x 94 (94LB/FT)	47807	LB	10%	52587	\$ 3.00	\$ 2.00	\$ 262,936	
397		HSS18 x 6 x 5/8 (48.86LB/FT)	1607	LB	10%	1767	\$ 3.00	\$ 2.00	\$ 8,836	
398		HSS8 x 6 x 3/8 (32.58LB)	688	LB	10%	757	\$ 3.00	\$ 2.00	\$ 3,786	
399		W18 x 50 (50LB/FT)	2366	LB	10%	2603	\$ 3.00	\$ 2.00	\$ 13,013	
400		W18 x 35 (35LB/FT)	696	LB	10%	765	\$ 3.00	\$ 2.00	\$ 3,827	
401		W16 x 26 (26LB/FT)	4652	LB	10%	5117	\$ 3.00	\$ 2.00	\$ 25,584	
402		W21 x 50 (50 LB/FT)	4257	LB	10%	4682	\$ 3.00	\$ 2.00	\$ 23,411	
403		W16 x 31 (31LB/FT)	5763	LB	10%	6340	\$ 3.00	\$ 2.00	\$ 31,698	
404		W36 x 302 (302LB/FT)	47622	LB	10%	52385	\$ 3.00	\$ 2.00	\$ 261,923	
405		W30 x 99 (99LB/FT)	8267	LB	10%	9094	\$ 3.00	\$ 2.00	\$ 45,471	
406		W33 x 118 (118LB/FT)	7107	LB	10%	7818	\$ 3.00	\$ 2.00	\$ 39,089	
407		W18 x 40 (40LB/FT)	5598	LB	10%	6157	\$ 3.00	\$ 2.00	\$ 30,787	
408		W27 x 114 (114LB/FT)	1260	LB	10%	1386	\$ 3.00	\$ 2.00	\$ 6,928	
409		W12 x 19 (19LB/FT)	118	LB	10%	130	\$ 3.00	\$ 2.00	\$ 649	
410		W18x65 (65LB/FT)	2867	LB	10%	3154	\$ 3.00	\$ 2.00	\$ 15,769	
411		W30x173 (173LB/FT)	6915	LB	10%	7606	\$ 3.00	\$ 2.00	\$ 38,031	
412		W24x55 (55LB/FT)	2961	LB	10%	3257	\$ 3.00	\$ 2.00	\$ 16,284	
413		W18x50 (50LB/FT)	1941	LB	10%	2135	\$ 3.00	\$ 2.00	\$ 10,673	
		BRACING								
414		HSS 6x6x3/8 (27.5LB/FT)	1381	LB	10%	1519	\$ 3.00	\$ 2.00	\$ 7,593	
415		HSS 8x8x3/8 (37.69LB/FT)	2261	LB	10%	2488	\$ 3.00	\$ 2.00	\$ 12,438	
416		HSS 10x10x3/8 (47.90LB/FT)	4394	LB	10%	4834	\$ 3.00	\$ 2.00	\$ 24,169	
417		HSS 10x10x1/2 (62.46LB/FT)	1385	LB	10%	1524	\$ 3.00	\$ 2.00	\$ 7,619	
		KICKER								
418		L 4x4x3/8 (9.8LB/FT)	14407	LB	10%	15848	\$ 3.00	\$ 2.00	\$ 79,240	
419		L5x5x3/8 (12.53LB/FT)	3456	LB	10%	3801	\$ 3.00	\$ 2.00	\$ 19,005	
		ANGLE SUPPORT								
420		L6x4x1/2 x1'-0" (16.2LB/FT)	357	LB	10%	393	\$ 3.00	\$ 2.00	\$ 1,964	
421		L 4x4x3/8 (9.8LB/FT)	13199	LB	10%	14519	\$ 3.00	\$ 2.00	\$ 72,595	
		DECKING								
422		D1: 3" Metal Deck - 18 Ga. - With 3/4" Dia Composite Studs, Length 6-3/16"	21623	SF	10%	23785	\$ 9.00	\$ 6.00	\$ 356,779	
423		R1: 1-1/2" Roof Deck - 18 Ga. - #12 Tek Screws 36/7 Pattern (Deck To Support Attachment) - #12 Tek Screws 36/7 Pattern (Sidelap Attachment)	1335	SF	10%	1468	\$ 9.00	\$ 6.00	\$ 22,022	
		POSTS								
424		HSS 6x4x3/8 (22.37LB/FT)	537	LB	10%	591	\$ 3.00	\$ 2.00	\$ 2,953	
425		HSS 4x4x1/2 (21.63LB/FT)	4369	LB	10%	4806	\$ 3.00	\$ 2.00	\$ 24,031	
426		HSS 6x6x3/8 (27.5LB/FT)	2640	LB	10%	2904	\$ 3.00	\$ 2.00	\$ 14,520	
427		HSS 6x6x1/2 (35.24LB/FT)	2960	LB	10%	3256	\$ 3.00	\$ 2.00	\$ 16,281	
428		HSS 8x6x3/8 (32.58LB/FT)	2346	LB	10%	2580	\$ 3.00	\$ 2.00	\$ 12,902	
429		HSS 10x6x3/8 (37.69LB/FT)	3166	LB	10%	3483	\$ 3.00	\$ 2.00	\$ 17,413	
		CONNECTIONS								
430		Extended Single Plate	134	EA	0%	134	\$ 40.00	\$ 20.00	\$ 8,040	
431		Stabilizer Plate	134	EA	0%	134	\$ 50.00	\$ 30.00	\$ 10,720	
432		Bent Plate	139	EA	0%	139	\$ 60.00	\$ 40.00	\$ 13,900	
433		Structural Bolts	2980	EA	0%	2980	\$ 1.20	\$ 0.80	\$ 5,960	
434		Gusset Plate	16	EA	0%	16	\$ 15.00	\$ 5.00	\$ 320	
435		Lateral Drag Struct Connection	18	EA	0%	18	\$ 40.00	\$ 20.00	\$ 1,080	
436		Stiffner Plate	68	EA	0%	68	\$ 50.00	\$ 30.00	\$ 5,440	
437		3/8" Thick Stiffner Plate	90	EA	0%	90	\$ 50.00	\$ 30.00	\$ 7,200	
438		Flange Plate	120	EA	0%	120	\$ 60.00	\$ 40.00	\$ 12,000	
439		3/8" Thick Plate	168	EA	0%	168	\$ 60.00	\$ 40.00	\$ 16,810	
440		2" Thick Top Plate	6	EA	0%	6	\$ 60.00	\$ 40.00	\$ 600	
441		1" Thick Stiffner Plate	6	EA	0%	6	\$ 60.00	\$ 40.00	\$ 600	
442		Shear Plate	24	EA	0%	24	\$ 40.00	\$ 20.00	\$ 1,440	
443		1/4" Bent Plate	79	EA	0%	79	\$ 50.00	\$ 30.00	\$ 6,338	
444		7/8" Dia Bolt	22	EA	0%	22	\$ 1.80	\$ 1.20	\$ 66	
		COLUMN								
		EVENT LEVEL - 000								
445		W14X145 (145LB/FT)	6525	LB	10%	7178	\$ 3.00	\$ 2.00	\$ 35,888	
446		W14X132 (132LB/FT)	9240	LB	10%	10164	\$ 3.00	\$ 2.00	\$ 50,820	
447		W14X159 (159LB/FT)	2385	LB	10%	2624	\$ 3.00	\$ 2.00	\$ 13,118	
448		W14X233 (233LB/FT)	1165	LB	10%	1282	\$ 3.00	\$ 2.00	\$ 6,408	
449		W14X193 (193LB/FT)	6755	LB	10%	7431	\$ 3.00	\$ 2.00	\$ 37,153	
450		W14X61 (61LB/FT)	610	LB	10%	671	\$ 3.00	\$ 2.00	\$ 3,355	
451		W14X159 (159LB/FT)	3180	LB	10%	3498	\$ 3.00	\$ 2.00	\$ 17,490	
452		W14X311 (311LB/FT)	6220	LB	10%	6842	\$ 3.00	\$ 2.00	\$ 34,210	
453		W14X283 (283LB/FT)	5660	LB	10%	6226	\$ 3.00	\$ 2.00	\$ 31,130	
454		HSS10X10X3/8 (63.34LB/FT)	1260	LB	10%	1386	\$ 3.00	\$ 2.00	\$ 6,930	
455		HSS6X6X3/8 (35.24LB/FT)	525	LB	10%	578	\$ 3.00	\$ 2.00	\$ 2,888	
456		HSS4X4X3/8 (23.02LB/FT)	460	LB	10%	506	\$ 3.00	\$ 2.00	\$ 2,530	
457		HSS8X4X5/8 (47.97LB/FT)	1880	LB	10%	2068	\$ 3.00	\$ 2.00	\$ 10,340	
458		W14X90 (90LB/FT)	8100	LB	10%	8910	\$ 3.00	\$ 2.00	\$ 44,550	

PROJECT ID: MIAMI FREEDOM PARK STADIUM
 ADDRESS:
 SCOPE: METAL



CONTACT:
 E-MAIL ADDRESS:
 PHONE NUMBER:
 Date:

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	WSTG	QUANTITY w/ WASTAGE	UNIT COST (Material)	UNIT COST (Labor)	TOTAL COST (Labor + Material)	TRADE COST
459		W14X48 (48LB/FT)	480	LB	10%	528	\$ 3.00	\$ 2.00	\$ 2,640	
460		W14X61 (61LB/FT)	305	LB	10%	336	\$ 3.00	\$ 2.00	\$ 1,678	
461		W14X120 (120LB/FT)	1200	LB	10%	1320	\$ 3.00	\$ 2.00	\$ 6,600	
462		W14X109 (109LB/FT)	545	LB	10%	600	\$ 3.00	\$ 2.00	\$ 2,998	
		MEZZAININE - 050								
463		W14X145 (145LB/FT)	10440	LB	10%	11484	\$ 3.00	\$ 2.00	\$ 57,420	
464		W14X132 (132LB/FT)	14784	LB	10%	16262	\$ 3.00	\$ 2.00	\$ 81,312	
465		W14X159 (159LB/FT)	8904	LB	10%	9794	\$ 3.00	\$ 2.00	\$ 48,972	
466		W14X233 (233LB/FT)	1864	LB	10%	2050	\$ 3.00	\$ 2.00	\$ 10,252	
467		W14X193 (193LB/FT)	10808	LB	10%	11889	\$ 3.00	\$ 2.00	\$ 59,444	
468		W14X61 (61LB/FT)	488	LB	10%	537	\$ 3.00	\$ 2.00	\$ 2,684	
469		W14X311 (311LB/FT)	9952	LB	10%	10947	\$ 3.00	\$ 2.00	\$ 54,736	
470		W14X283 (283LB/FT)	9056	LB	10%	9962	\$ 3.00	\$ 2.00	\$ 49,808	
471		W14X90 (90LB/FT)	9360	LB	10%	10296	\$ 3.00	\$ 2.00	\$ 51,480	
472		W14X109 (109LB/FT)	1744	LB	10%	1918	\$ 3.00	\$ 2.00	\$ 9,592	
		MAIN CONCOURSE - 100								
473		W14X145 (145LB/FT)	17400	LB	10%	19140	\$ 3.00	\$ 2.00	\$ 95,700	
474		W14X132 (132LB/FT)	19008	LB	10%	20909	\$ 3.00	\$ 2.00	\$ 104,544	
475		W14X159 (159LB/FT)	7632	LB	10%	8395	\$ 3.00	\$ 2.00	\$ 41,976	
476		W14X311 (311LB/FT)	14928	LB	10%	16421	\$ 3.00	\$ 2.00	\$ 82,104	
477		W14X283 (283LB/FT)	13584	LB	10%	14942	\$ 3.00	\$ 2.00	\$ 74,712	
478		HSS4X4X3/16 (12.61LB/FT)	144	LB	10%	158	\$ 3.00	\$ 2.00	\$ 792	
479		W14X90 (90LB/FT)	12960	LB	10%	14256	\$ 3.00	\$ 2.00	\$ 71,280	
480		W14X193 (193LB/FT)	9264	LB	10%	10190	\$ 3.00	\$ 2.00	\$ 50,952	
481		W14X109 (109LB/FT)	2616	LB	10%	2878	\$ 3.00	\$ 2.00	\$ 14,388	
		CLUB LOUNGE - 150								
482		W14X120 (120LB/FT)	720	LB	10%	792	\$ 3.00	\$ 2.00	\$ 3,960	
483		W14X61 (61LB/FT)	732	LB	10%	805	\$ 3.00	\$ 2.00	\$ 4,026	
484		W14X120 (120LB/FT)	5040	LB	10%	5544	\$ 3.00	\$ 2.00	\$ 27,720	
485		W14X90 (90LB/FT)	2160	LB	10%	2376	\$ 3.00	\$ 2.00	\$ 11,880	
486		W14X190 (190LB/FT)	2280	LB	10%	2508	\$ 3.00	\$ 2.00	\$ 12,540	
487		W14X61 (61LB/FT)	3660	LB	10%	4026	\$ 3.00	\$ 2.00	\$ 20,130	
488		W14X159 (159LB/FT)	7632	LB	10%	8395	\$ 3.00	\$ 2.00	\$ 41,976	
489		HSS4X4X3/16 (12.16LB/FT)	72	LB	10%	79	\$ 3.00	\$ 2.00	\$ 396	
490		W14X90 (90LB/FT)	4320	LB	10%	4752	\$ 3.00	\$ 2.00	\$ 23,760	
		SUITE - 200								
491		W14X120 (120LB/FT)	14880	LB	10%	16368	\$ 3.00	\$ 2.00	\$ 81,840	
492		W14X61 (61LB/FT)	1891	LB	10%	2080	\$ 3.00	\$ 2.00	\$ 10,401	
493		W14X90 (90LB/FT)	8370	LB	10%	9207	\$ 3.00	\$ 2.00	\$ 46,035	
494		W14X159 (159LB/FT)	19716	LB	10%	21688	\$ 3.00	\$ 2.00	\$ 108,438	
495		W14X90 (90LB/FT)	11160	LB	10%	12276	\$ 3.00	\$ 2.00	\$ 61,380	
		PRESS - 300								
496		W14X120 (120LB/FT)	3079	LB	10%	3387	\$ 3.00	\$ 2.00	\$ 16,936	
497		W14X61 (61LB/FT)	3131	LB	10%	3444	\$ 3.00	\$ 2.00	\$ 17,218	
498		W14X43 (43LB/FT)	1103	LB	10%	1214	\$ 3.00	\$ 2.00	\$ 6,069	
499		W14X90 (90LB/FT)	11547	LB	10%	12702	\$ 3.00	\$ 2.00	\$ 63,509	
500		W14X43 (43LB/FT)	2207	LB	10%	2427	\$ 3.00	\$ 2.00	\$ 12,137	
501		W14X90 (90LB/FT)	11547	LB	10%	12702	\$ 3.00	\$ 2.00	\$ 63,509	
502		W14X43 (43LB/FT)	1849	LB	10%	2034	\$ 3.00	\$ 2.00	\$ 10,170	
503		W14X90 (90LB/FT)	11547	LB	10%	12702	\$ 3.00	\$ 2.00	\$ 63,509	
		ANCHOR ROD								
504		Anchor Rod Mark 1: Anchor Rod Number: 4 Anchor Rod Diameter: 3/4" Anchor Rod Grade: ASTM F1554 GR 55 (SUPP S1) Embed Length: 2'-0" Embedded Anchor Plate: NONE Base Plate Hole Diameter: 1-5/16"	35	EA	0%	35	\$ 60.00	\$ 40.00	\$ 3,500	
505		Anchor Rod Mark 2: Anchor Rod Number: 4 Anchor Rod Diameter: 1 1/4" Anchor Rod Grade: ASTM F1554 GR 55 (SUPP S1) Embed Length: 2'-0" Embedded Anchor Plate: NONE Base Plate Hole Diameter: 1-13/16"	30	EA	0%	30	\$ 60.00	\$ 40.00	\$ 3,000	
506		Anchor Rod Mark 3: Anchor Rod Number: 4 Anchor Rod Diameter: 1 1/2" Anchor Rod Grade: ASTM F1554 GR 105 (SUPP S1) Embed Length: 2'-0" Embedded Anchor Plate: 1" (THICK) X 4" X 4" Base Plate Hole Diameter: 2-5/16"	14	EA	0%	14	\$ 60.00	\$ 40.00	\$ 1,400	
507		Anchor Rod Mark 4: Anchor Rod Number: 8 Anchor Rod Diameter: 2" Anchor Rod Grade: ASTM F1554 GR 105 (SUPP S1) Embed Length: 2'-0" Embedded Anchor Plate: 1 1/2" (THICK) X 6" X 6" Base Plate Hole Diameter: 3 1/4"	12	EA	0%	12	\$ 70.00	\$ 50.00	\$ 1,440	

PROJECT ID: MIAMI FREEDOM PARK STADIUM
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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	WSTG	QUANTITY w/ WASTAGE	UNIT COST (Material)	UNIT COST (Labor)	TOTAL COST (Labor + Material)	TRADE COST
508		Anchor Rod Mark 5: Anchor Rod Number: 4 Anchor Rod Diameter: 3/4" Anchor Rod Grade: ASTM F1554 GR 55 (SUPP S1) Embed Length: 0'-4" Embedded Anchor Plate: NONE Base Plate Hole Diameter: 1-5/16"	1	EA	0%	1	\$ 60.00	\$ 40.00	\$ 100	
BASE PLATES										
509		25"X25"X1-3/4" Gr.50 Ksi Type B	7	EA	0%	7	\$ 250.00	\$ 100.00	\$ 2,450	
510		26"X26"X2-1/4" Gr.50 Ksi Type B	7	EA	0%	7	\$ 250.00	\$ 100.00	\$ 2,450	
511		20"X20"X1" Gr.50 Ksi Type B	1	EA	0%	1	\$ 230.00	\$ 100.00	\$ 330	
512		16"X16"X1" Gr.50 Ksi Type B	4	EA	0%	4	\$ 180.00	\$ 100.00	\$ 1,120	
513		26"X26"X1-1/2" Gr.50 Ksi Type B	4	EA	0%	4	\$ 250.00	\$ 100.00	\$ 1,400	
514		8"X34"X2-3/4" Gr.50 Ksi Type D	8	EA	0%	8	\$ 120.00	\$ 80.00	\$ 1,600	
515		12"X12"X1" Gr.50 Ksi Type C	3	EA	0%	3	\$ 160.00	\$ 80.00	\$ 720	
516		14.5"X14.5"X1.5" Gr.50 Ksi Type C	1	EA	0%	1	\$ 140.00	\$ 80.00	\$ 220	
517		21"X21"X1-1/4" Gr.50 Ksi Type B	1	EA	0%	1	\$ 230.00	\$ 100.00	\$ 330	
518		10"X10"X1" Gr.50 Ksi Type C	4	EA	0%	4	\$ 120.00	\$ 80.00	\$ 800	
519		26"X26"X1-3/4" Gr.50 Ksi Type B	3	EA	0%	3	\$ 250.00	\$ 100.00	\$ 1,050	
520		26"X26"X2" Gr.50 Ksi Type B	2	EA	0%	2	\$ 250.00	\$ 100.00	\$ 700	
521		21"X21"X1-1/4" Gr.50 Ksi Type B	12	EA	0%	12	\$ 230.00	\$ 100.00	\$ 3,960	
522		25"X25"X2" Gr.50 Ksi Type B	7	EA	0%	7	\$ 250.00	\$ 100.00	\$ 2,450	
523		25"X25"X1-1/2" Gr.50 Ksi Type B	12	EA	0%	12	\$ 250.00	\$ 100.00	\$ 4,200	
524		20"X20"X1" Gr.50 Ksi Type B	2	EA	0%	2	\$ 230.00	\$ 100.00	\$ 660	
525		10"X10"X1" Gr.50 Ksi Type C	2	EA	0%	2	\$ 120.00	\$ 80.00	\$ 400	
526		14"X10"X1-1/4" Gr.50 Type C	8	EA	0%	8	\$ 140.00	\$ 80.00	\$ 1,760	
VOMITORY WALL										
527		BEAM HSS4x2-1/2"x1/8" x 0'-5" (5.61LB/FT)	232	LB	10%	255	\$ 3.00	\$ 2.00	\$ 1,273	
CONNECTIONS										
528		Continuous Embedded Plate	1196	LF	10%	1316	\$ 9.00	\$ 6.00	\$ 19,736	
529		3/4" Diameter x 6" NC Threaded Rod	83	EA	0%	83	\$ 100.00	\$ 50.00	\$ 12,381	
530		End Plate	83	EA	0%	83	\$ 50.00	\$ 30.00	\$ 6,603	
531		3/4" Diameter x 6" Coil Insert	83	EA	0%	83	\$ 40.00	\$ 20.00	\$ 4,952	
532		Plate Washer 1/4"x3"x3" With 7/8" Hole	83	EA	0%	83	\$ 30.00	\$ 20.00	\$ 4,127	
533		3/4" Diameter Coil Rod & Coil Nut	83	EA	0%	83	\$ 60.00	\$ 40.00	\$ 8,254	
CEILING FRAMING										
534		7/8" Dep x 25 Ga. Hat Channel @ 16" O.C (0.65 Lb/Ft)	50304	LB	10%	55335	\$ 3.00	\$ 2.00	\$ 276,673	
535		1-1/2"CRC Main Runner @ 48" O.C (0.475 Lb/Ft)	12223	LB	10%	13445	\$ 3.00	\$ 2.00	\$ 67,226	
536		Splaywire Sesimic Connection	38695	EA	0%	38695	\$ 1.20	\$ 0.80	\$ 77,391	
Subtotal (Metals)									\$65,058,137	

SUBTOTAL										\$65,058,137.49
OVERHEAD/PROFIT		15%								\$9,758,720.62
INSURANCE		5%								\$3,252,906.87
CONTINGENCY		7%								\$4,554,069.62
TOTAL BASE BID										\$82,623,834.61

Note: (If require, you can change OVERHEAD/PROFIT percentage in Blue Column, 15%-25%)
 (If require, you can change INSURANCE percentage Blue Column, 3%-5%)
 Prices can be changed based on field circumstances.

- Legend
 SF = square feet
 LF = linear feet
 EA = each
 CY = cubic yard
 SY = square yard
 LOC = location
 LS = lump sum