

**Building Data Summary**

<b>Project ID:</b>	<b>Large Commerical</b>
<b>Location:</b>	
<b>Scope of Work:</b>	<b>GC - CSI Divisions format</b>
<b>Date:</b>	

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
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**DIVISION.01 GENERAL REQUIREMENTS**

1		Supervision and Coordination	LS	1	0%	1
2		Submittals and Shop drawings	LS	1	0%	1
3		Final Cleaning	LS	1	0%	1
4		Mobilization Costs	LS	1	0%	1
5		Temporary Control & Facilities	LS	1	0%	1
6		Scaffolding	SF	55280	5%	58044
7						

**DIVISION 02- SITE WORK/ EXISTING CONDITIONS**

		<b>Demo</b>				
8		Remove Pavement	SF	24034	5%	25236
9		Remove Shoulder	LF	612	5%	643
10		Remove Tree	EA	1	0%	1
		<b>Site</b>				
		<b>Pavement</b>				
11		4" Portland Cement Concrete Pavement (Non Traffic) 6" Of Moisture Conditioned Class 2 AB Compacted To 95" RC 6" Moisture Conditioned Subgrade Compacted To 95% RC	SF	11780	5%	12369
12		5" Thickness Concrete Pavement (Passenger/ Cart) #4 Bars @ 16" OC Each way 6" Of Moisture Conditioned Class 2 AB Compacted To 95" RC 6" Moisture Conditioned Subgrade Compacted To 95" RC	SF	92566	5%	97194
13		6" Thickness Concrete Pavement (Truck/Bus) #4 Bars @ 16" OC Each way 6" Of Moisture Conditioned Class 2 AB Compacted To 95" RC 6" Moisture Conditioned Subgrade Compacted To 95" RC	SF	2072	5%	2176
14		7" Thickness Concrete Pavement (Fire Truck) #4 Bars @ 16" OC Each way 6" Of Moisture Conditioned Class 2 AB Compacted To 95" RC 6" Moisture Conditioned Subgrade Compacted To 95" RC	SF	3946	5%	4143
15		3" Thick Asphalt Concrete Pavement Tack Coat 8.5" Of Moisture Conditioned Class 2 Aggregate Base Compacted 95% Moisture Condition Subgrade	SF	83510	5%	87686
		<b>Stone Paving</b>				

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
16		1 1/2" Thick Min x18"x36" Stone Paver -3" Thick x6"x6" Stone Paver W/ Texture Mortar Set On Concrete Stone Set Tight W/ Swept Set Sanded Joints -Optional Anti Fracture Membrane 4" Reinf Concrete Footing, Rough Finish For Paver -6" Class 2 Base Rock, Confirm Depth W/ Engineer -Subgrade Undisturbed -Swept In Sand Joint Or Elastomeric Sanded Joint	SF	46480	5%	48804
17		Stone Paving Over Sand 1 1/2" Thick Stone Paver Stone Set Tight W/ Swept Set Sanded Joints Gator Base 1/2" Compacted Sand Gator Fabric GF 4.4 Compacted Native Soil	SF	24804	5%	26044
18		Permeable Gravel Paving Filter Fabric Class 2 Base Rock Compacted To 95% 5" Of 1/4" Blue Cap Crushed Gravel Gravel Pave 2 Paving System Subgrade Undisturbed, Hold Soil 1" Below Edger For Mulch 3/16" x4" Steel Edger	SF	6772	5%	7111
		<b>Bioretention Area</b>				
19		Bioretention Area 18" Thick Engineering Planting Soil Void Ratio Min 0.4 12" Thick Permeable Drain Rock Void Ratio Min 0.4	SF	29160	5%	30618
		<b>Ramp</b>				
20		Accessible Ramp	SF	232	5%	244
		<b>Curb &amp; Gutter</b>				
21		(5" Wide) Concrete Vertical Curb	LF	3152	5%	3310
22		Concrete Curb & Gutter	LF	511	5%	537
23		(6" Wide) Valley & Gutter #4 Bars @ 12" OC Both Side 6" Moisture Conditioned Class 2 AB Compacted 6" Moisture Conditioned Subgrade Compacted 95%	LF	126	5%	132
		<b>Stone Wall</b>				
		<b>Stone Face Seat Wall</b>				
24		Stone Face Seat Wall (2'-0" H) (594 LF)	SF	1188	5%	1247
		<b>Stone Cap</b>				
25		Stone Cap 20" Wide By 3" Thick Snap Cut 2" Cantilever	LF	594	5%	624
		<b>Plaster</b>				
26		Water Proof & Plaster	SF	1188	5%	1247
		<b>CMU Wall</b>				
27		12" CMU Block Filled W/ Concrete 3/8" Grouting	SF	1188	5%	1247
		<b>Concrete Footing</b>				
28		Footing 18"x18" (594 LF) #4 Bar 16" OC Both Way	CY	56.3	5%	59

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
		<b>Stone Border</b>				
29		Stone Border 3" Thick x 8" Wide x 18" Long	LF	594	5%	624
		<b>Decorative Retaining Stone Wall</b>				
30		Decorative Retaining Stone Wall (4'-6" H) (130 LF)	SF	585	5%	614
		<b>Stone Cap</b>				
31		Stone Cap 20" Wide By 3" Thick Snap Cut 2" Cantilever	LF	130	5%	137
		<b>Plaster</b>				
32		Water Proof & Plaster	SF	585	5%	614
		<b>CMU Wall</b>				
33		12" CMU Block Filled W/ Concrete 3/8" Grouting	SF	585	5%	614
		<b>Concrete Footing</b>				
34		Footing 18"x24" (130 LF) #4 Bar 16" OC Both Way	CY	15.4	5%	16
		<b>Stone Border</b>				
35		Stone Border 3" Thick x 8" Wide x 18" Long	LF	130	5%	137
		<b>Decorative Gravel</b>				
36		4" Widex9" Deep Drain Rock With 2" Decorative Gravel	SF	588	5%	617
		<b>Metal Railing</b>				
37		(2'-10" H) Metal Railing	LF	205	5%	215
		<b>Saw Cut</b>				
38		Saw Cut	LF	1213	5%	1274
		<b>Painted Strip</b>				
39		(4" Wide) Painted Strip	LF	1223	5%	1284
		<b>Warning Sign</b>				
40		Detectable Warning Sign (5'-0"x3'-0") 2.3" Min & 2.4" Center To Center Spacing	EA	10	0%	10
		<b>Curb Opening</b>				
41		(2' Wide) Curb Opening	EA	10	0%	10
		<b>Wheel Stop</b>				
42		(6' Wide, 5" H) Wheel Stop With (2) 12" - #4 Bar	EA	19	0%	19
		<b>ADA Sign</b>				
43		ADA Sign (18"X12") Reserved Parking Sign (12"x9") Penalty Sign(12"x6") Van Accessible Sign With 4" Dia Steel Pipe (9'-0" H) (12" Dia 2'-6" H) Footing	EA	3	0%	3
		<b>ADA Sign Footing</b>				
44		ADA Sign (18"X12") Reserved Parking Sign (12"x9") Penalty Sign(12"x6") Van Accessible Sign With 4" Dia Steel Pipe (9'-0" H) (12" Dia 2'-6" H) Footing	CY	0.21	5%	0
		<b>Boulders</b>				
45		1/3 Height Of Boulders	EA	74	0%	74
		<b>Stone Stairs</b>				
46		Stone Stairs (2'-2" Wide) 4" Thick Stone Paver 1" Compacted Sand 4" Class 2 Permeable Base Rock Compacted Native Soil	EA	22	0%	22
		<b>Stairs</b>				
47		(5'-0" Wide) Stairs 6" Riser 9 EA 12" Tread 8 EA	EA	9	0%	9

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
48		(6'-0" Wide) Stairs 6" Riser 23 EA 12" Tread 22 EA	EA	23	0%	23
49		(8'-0" Wide) Stairs 6" Riser 25 EA 12" Tread 24 EA	EA	25	0%	25
50		(10'-0" Wide) Stairs 6" Riser 2 EA 12" Tread 1 EA	EA	2	0%	2
51		(15'-0" Wide) Stairs 6" Riser 11 EA 12" Tread 10 EA	EA	11	0%	11
52		(21'-0" Wide) Stairs 6" Riser 11 EA 12" Tread 10 EA	EA	11	0%	11
53		(77'-6" Wide) Stairs 6.2" Riser 9 EA 15" Tread 8 EA	EA	9	0%	9
		<b>Trash Enclosure</b>				
		<b>Concrete Slab</b>				
54		5" Thick Concrete Slab (461 SF) W/ #4 Bar @ 18" OC Both Side	CY	7.1	5%	7
		<b>CMU Wall</b>				
55		8x8x16 CMU Block Wall Painted (8'-0" H) (98 LF) #4 Vert Bar @ 16" OC #4 Horizontal Bar @ 24" OC (2) #4 Continuous Hour Bond Beam 2" Concrete Cap	SF	784	5%	823
		<b>Concrete Footing</b>				
56		(2'-4"x1'-0") Concrete Footing (2) #4 Bar Top Bottom	CY	8.4	5%	9
		<b>Concrete Curb</b>				
57		(10"x5") Concrete Curb	LF	52	5%	55
		<b>Concrete Pad</b>				
58		(10'x14') Concrete Pad	SF	140	5%	147
		<b>Wheel Stop</b>				
59		Wheel Stop	EA	4	0%	4
		<b>Gate</b>				
60		(6'-0"x6'-0") Door By Steel Corrugated Decking Pair	EA	3	0%	3
61		(3'-0"x6'-0") Door By Steel Corrugated Decking 10" Kick Plate At Bottom Painted	EA	2	0%	2
		<b>Bolt</b>				
62		1" Dia Drop Bolt	EA	2	0%	2
		<b>Site Electrical</b>				
63		Circuit Breaker (600A/3P)	EA	2	0%	2
64		Circuit Breaker (400A/3P)	EA	1	0%	1
65		Circuit Breaker (100A/3P)	EA	1	0%	1
66		4" Conduit-(4)#500+#1/0G Wire	LF	1560	5%	1638
67		4" Underground Conduit-(4)#600 Wire	LF	60	5%	63
68		1-1/2" Conduit-(3)#1-#6G Wire	LF	200	5%	210
69		Allowance For Grounding	EA	1	0%	1
70		Junction Box	EA	6	0%	6
71		Transformer (12KV-300KVA) Volt: 480/277	EA	1	0%	1
72		Main Switchboard Volt: 480/277 Amps: 1200	EA	1	0%	1
73		Recessed Step Light (2 Watt) Manuf: ALCON LIGHTING Model: 14051 ALDER	EA	14	0%	14

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
74		Led Directional Light (2.5 Watt) Manuf: ALCON LIGHTING Model: 9013 CATANIA	EA	4	0%	4
		<b>Utility</b>				
		<b>Pipe</b>				
		<b>Storm Drain Pipe</b>				
75		(18" Dia) HDPE Storm Drain Pipe	LF	616	5%	647
76		(12" Dia) HDPE Storm Drain Pipe	LF	665	5%	698
77		(8" Dia) HDPE Storm Drain Pipe	LF	158	5%	166
78		(6" Dia) HDPE Storm Drain Pipe	LF	222	5%	233
79		(4" Dia) PERF Strom Drain Pipe	LF	860	5%	903
		<b>Fire Water Pipe</b>				
80		(8" Dia) Fire Water Line	LF	2112	5%	2218
		<b>Water Pipe</b>				
81		(4" Dia) Water Line	LF	1548	5%	1625
82		(2" Dia) Water Line	LF	409	5%	429
	<b>C1.0-IRI1.0</b>	<b>Trench Drain</b>				
83		(4" Dia) Trench Drain	LF	24	5%	25
		<b>Waste Pipes (Cast Iron)</b>				
84		(6" Dia) Sanitary Pipe	LF	1757	5%	1845
85		(2" Dia) FV Pipe	LF	33	5%	35
86		(4" Dia) GS Pipe	LF	44	5%	46
87		(2" Dia) Sanitary Pipe	LF	163	5%	171
88		(4" Dia) Sanitary Pipe	LF	805	5%	845
		<b>Domestic Pipes (Hard Drawn Copper Tube Type L)</b>				
89		(2" Dia) Cold Water Pipe	LF	1979	5%	2078
90		(1" Dia) Cold Water Pipe	LF	126	5%	132
		<b>Gas Pipe (Schedule 40 Polyethylene)</b>				
91		(3" Dia) Gas Pipe	LF	1079	5%	1133
92		Grease Interceptor (2000 GAL) Model: JP2000G	EA	1	0%	1
93		Septic Tank (22000 GAL)	EA	2	0%	2
94		(6" Dia) Floor Cleanout	EA	1	0%	1
95		(2" Dia) Wall Cleanout	EA	1	0%	1
96		Suggest Septic Pump	EA	1	0%	1
97		(45*) Bend	EA	40	0%	40
98		(90*) Bend	EA	8	0%	8
99		Tee	EA	23	0%	23
		<b>Connection</b>				
		<b>Water Valve</b>				
100		4" Dia Water Valve	EA	13	0%	13
101		8" Dia Fire Water Valve	EA	17	0%	17
		<b>Main Connection</b>				
102		4" Dia Water Main Connection	EA	3	0%	3
103		8" Dia Fire Water Connection	EA	2	0%	2
		<b>Fire Hydrant</b>				
104		8" Dia Fire Hydrant	EA	7	0%	7
		<b>Velocity Dissipator</b>				
105		8" Dia Velocity Dissipator	EA	1	0%	1
106		6" Dia Velocity Dissipator	EA	2	0%	2
107		12" Dia Velocity Dissipator	EA	3	0%	3
108		18" Dia Velocity Dissipator	EA	5	0%	5
		<b>Drop Inlet</b>				
109		(12"x12") Drop Inlet	EA	6	0%	6
110		(18"x18") Drop Inlet	EA	5	0%	5
111		(24"x24") Drop Inlet	EA	4	0%	4
		<b>Main Hole</b>				
112		(48" Dia Storm Drain Main Hole	EA	3	0%	3
		<b>Irrigation</b>				
		<b>Irrigation Pipe (PVC)</b>				
113		(1" Dia) 40 PVC Lateral Pipe	LF	8271	5%	8685
114		(1 1/2" Dia) 40 PVC Mainline Pipe	LF	1265	5%	1328
115		(1 1/2" Dia) 40 PVC Mainline Quick couplers Pipe	LF	1568	5%	1646
116		(1" Dia) Sleeve Pipe	LF	647	5%	679
		<b>Connection</b>				

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
		<b>Drip Flush out</b>				
117		(1" Dia) Drip Flush out	EA	127	0%	127
		<b>Valve Box</b>				
118		8" Round Black Valve Box	EA	127	0%	127
		<b>Tubing</b>				
119		Blank Tubing	EA	127	0%	127
		<b>Connector</b>				
120		Connector	EA	127	0%	127
		<b>Cobra Connector</b>				
121		Cobra Connector 18" Length	EA	127	0%	127
		<b>Valve</b>				
122		Ball Valve	EA	127	0%	127
		<b>Drip Transition</b>				
123		(1" Dia) Drip Transition	EA	127	0%	127
		<b>Valve Box</b>				
124		Valve Box	EA	127	0%	127
		<b>PVC Tee</b>				
125		Tee PVC To Poly Tubing	EA	127	0%	127
		<b>Nipple</b>				
126		Nipple 40 Length As Required	EA	127	0%	127
		<b>PVC Lateral</b>				
127		PVC Lateral	EA	127	0%	127
		<b>PVC Tee</b>				
128		PVC Tee	EA	127	0%	127
		<b>Drip Valve</b>				
129		(1" Dia) Drip Valve Manf: Hunter	EA	20	0%	20
		<b>Controller</b>				
130		Coiled Wire Controller	EA	20	0%	20
		<b>Water Proof Splice</b>				
131		Water Proof Splice	EA	20	0%	20
		<b>PVC Slip</b>				
132		PVC Sli X LFP Union	EA	20	0%	20
		<b>Nipple</b>				
133		SCH 80 Close Nipple	EA	20	0%	20
		<b>Regulator</b>				
134		Pressure Regulator	EA	20	0%	20
		<b>Clearance</b>				
135		2" Min Clearance	EA	20	0%	20
		<b>Filter</b>				
136		Filter	EA	20	0%	20
		<b>Valve</b>				
137		Remote Control Valve	EA	20	0%	20
138		Isolation Valve	EA	20	0%	20
		<b>Box</b>				
139		Valve Box	EA	20	0%	20
		<b>Strainer</b>				
140		Y (1" Dia) Y-Strainer Manf: Wilkins Model: SXL	EA	1	0%	1
		<b>Regulator Valve</b>				
141		P (1"Dia) Pressure Regulator Valve Manf: Watts Model: LFN	EA	1	0%	1
		<b>Master Valve</b>				
142		M (1" Dia) Master Valve Manf: Buckner Model: 3200	EA	1	0%	1
		<b>Flow Sensor</b>				
143		F (1" Dia) Flow Sensor Manf: Hunter Model: HC-Flow Meter	EA	1	0%	1
		<b>Quick Coupler</b>				

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
144		Q (1" Dia) Quick Coupler Manf: Hunter Model: HQ-44-LRC	EA	31	0%	31
		<b>Valve</b>				
145		Coupling Vale	EA	31	0%	31
		<b>Valve Box</b>				
146		Valve Box 8" Round	EA	31	0%	31
		<b>Nipple</b>				
147		Nipple	EA	31	0%	31
		<b>Tee</b>				
148		PVC Tee	EA	31	0%	31
		<b>Isolation Valve</b>				
149		G (1" Dia) Isolation Valve Manf: Nibco Model: T-113 Gate Valve	EA	31	0%	31
		<b>Controller</b>				
150		C (1" Dia) Controller Manf: Hunter Model: Pro-HC	EA	1	0%	1
		<b>Landscape</b>				
		<b>Plant</b>				
151		Trident Maple	EA	12	0%	12
152		Paperbark Maple Size: 1.5" CAL	EA	4	0%	4
153		Dr. Hurd Common Manzanita Size: 15 GAL	EA	27	0%	27
154		Deodar Cedar Size: 24"	EA	6	0%	6
155		Cedar Of Lebanon Size: 24"	EA	2	0%	2
156		China Snow Chinese Fringe Tree Size: 15 GAL	EA	2	0%	2
157		Cupressus Or Thuja Size: 15' HT	EA	4	0%	4
158		Presimmon Size: 15 GAL	EA	12	0%	12
159		Maidenhair Tree Size: 24"	EA	8	0%	8
160		Yulan Magnolia Size: 15 GAL	EA	9	0%	9
161		Japanese Plum Size: 15 GAL	EA	12	0%	12
162		California Black Oak Size: 15 GAL	EA	13	0%	13
163		Valley Oak Size: 15 GAL	EA	60	0%	60
164		Southern Live Oak Size: 36"	EA	18	0%	18
165		Oracle Oak Size: 15 GAL	EA	9	0%	9
166		Coast Live Interior Live Canyon Size: 15 GAL	EA	77	0%	77
167		Weeping Willow Size: 15 GAL	EA	2	0%	2
168		Coast Redwood Size: 15 GAL	EA	11	0%	11
169		Japanese Snowbell Size: 15 GAL	EA	3	0%	3
170		Silver Linden Size: 2" CAL	EA	5	0%	5
171		Japanese Zelkova Size: 2" CAL	EA	2	0%	2
		<b>Shrubs</b>				
172		Vine Maple	EA	4	0%	4

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
173		Common Yarrow Size: 1 GAL	EA	123	0%	123
174		Tom's Point Kinnikinnick	EA	20	0%	20
175		Pacific Mist Manzanita Size: 1 GAL	EA	45	0%	45
176		Foothill Sedge Size: 1 GAL	EA	232	0%	232
177		Yerba Buena	EA	8	0%	8
178		Sago Palm Size: 1 GAL	EA	1	0%	1
179		Orange Carpet California Fuchsia Size: 1 GAL	EA	267	0%	267
180		Woodland Strawberry Size: 1 GAL	EA	50	0%	50
181		Seaview Improved Coffeeberry Size: 1 GAL	EA	95	0%	95
182		Gaura Size: 1 GAL	EA	9	0%	9
183		Wisley Pink/ Wisley Sunrose	EA	20	0%	20
184		Maratha Roderick Crevice Alumroot	EA	91	0%	91
185		Canyon Snow Iris Size: 1 GAL	EA	83	0%	83
186		Revolutum Italian Jasmine Size: 5 GAL	EA	13	0%	13
187		Blue Pacific Shore Juniper Size: 1 GAL	EA	1	0%	1
188		Breeze Mat Rush Size: 1GAL	EA	3	0%	3
189		Eulalia Grass Size: 1 GAL	EA	81	0%	81
190		Dwarf Common Myrtle	EA	10	0%	10
191		Delavayi Osmanthus Size: 5 GAL	EA	36	0%	36
192		Siskiyou Beauty Pacific Ninebark	EA	8	0%	8
193		Lady Banksia Rose Size: 1 GAL	EA	1	0%	1
194		Summer Song Sub Alpine Spirea	EA	24	0%	24
195		Creeping Snowberry Size: 1 GAL	EA	25	0%	25
196		Mundi Coast Rosemary Size: 1 GAL	EA	47	0%	47
197		Gaint Chain Fern	EA	72	0%	72
		<b>Ground Cover</b>				
198		Kinnikinnick	SF	15901	5%	16696
199		California Field Sedge	SF	3272	5%	3436
200		Foothill Sedge	SF	2920	5%	3066
201		Elymus, Hordeum Brachyantherum	SF	12012	5%	12613
202		Red Fecue	SF	8893	5%	9338
203		Nassella Pulchra	SF	125862	5%	132155
		<b>Erosion Control</b>				
204		Stockpile	SF	3775	5%	3964
205		Straw Mulch, Hydroseed	SF	257898	5%	270793
206		Stabilized Construction Entrance	SF	832	5%	874
207		Concrete Washout	SF	120	5%	126
208		SE-5 Fiber Roll With Gravel Bag	LF	3440	5%	3612
		<b>Silt Fence</b>				
209		Silt Fence Fabric (6'-0" H) Wood Post @ 10' OC (205 EA) (1-1/6" Dia, 1"x1/2") Staple @ 8" OC	LF	2048	5%	2150
		<b>Fabric</b>				
210		Silt Fence Fabric	SF	12288	5%	12902
		<b>Staple</b>				
211		(1-1/6" Dia, 1"x1/2") Staple @ 8" OC	EA	820	0%	820
		<b>Trenching</b>				

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
212		Cut	CY	7755	5%	8143
213		Fill	CY	5815	5%	6106
		<b>Grading</b>				
214		Cut	CY	32600	5%	34230
215		Fill	CY	58900	5%	61845
216		Soil Import	CY	26300	5%	27615
		<b>Excavations</b>				
217		Excavations @ Footings	CY	7145	5%	7502

### DIVISION 03- CONCRETE

<b>Foundations</b>						
<b>Buddha Hall</b>						
		<b>Grade Beam</b>				
218		(24"X48") Grade Beam (3642 LF) W/ 35#8 Conti. Bars	CY	1079.11	5%	1133
		<b>Pad Footings</b>				
219		(10'-0"x10'-0"x24") Concrete Pad Footing (54 EA) W/ 12#6 E.W	CY	400.00	5%	420
220		(13'-0"x13'-0"x24") Concrete Pad Footing (12 EA) W/ 13#7 E.W	CY	150.22	5%	158
221		(15'-0"x15'-0"x30") Concrete Pad Footing (6 EA) W/ 17#7 E.W	CY	125.00	5%	131
222		(19'-0"x19'-0"x36") Concrete Pad Footing (4 EA) W/ 19#8 E.W	CY	160.44	5%	168
223		(21'-0"x21'-0"x42") Concrete Pad Footing (4 EA) W/ 25#8 E.W	CY	228.67	5%	240
		<b>Slab</b>				
224		<b>Slab On Grade (50367 SF)</b> 5" Concrete Slab W/ #4 Bars @ 18" O.C E.W 2" Rigid Insulation 15 Vapor Barrier 5" Of 3/4" Crushed Rock Compacted Fill	CY	615.60	5%	646
		<b>Main Gate</b>				
		<b>Slab</b>				
225		<b>Slab On Grade (19809 SF)</b> 24" Concrete Slab W/ #5 Bars @ 18" O.C E.W T&B 15 Mil Membrane 4" Aggregate Base Compacted Soil	CY	1467.33	5%	1541
		<b>Pier Footings</b>				
226		(42" Dia) Concrete Pier Footing (10'-0" H, 8 EA) W/ 8#4 Vertical Bars , #3 Ties @ 12" O.C	CY	28.44	5%	30
227		(36" Dia) Concrete Pier Footing (5'-0" H, 200 EA) W/ 6#4 Vertical Bars , #3 Ties @ 12" O.C	CY	262.96	5%	276
228		(36" Dia) Concrete Pier Footing (5'-6" H, 28 EA) W/ 6#4 Vertical Bars , #3 Ties @ 12" O.C	CY	40.50	5%	43
		<b>Bell &amp; Drum</b>				
		<b>Wall Footings</b>				

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
229		(18"x24") Concrete Wall Footing (117 LF) W/ 2#4 Bars Cont.	CY	13.00	5%	14
		<b>Pier Footings</b>				
230		(36" Dia) Concrete Pier Footing (5'-6" H, 12 EA)	CY	17.36	5%	18
		<b>Deck Concrete</b>				
231		2" Thick Light Weight Concrete Over Floor Deck	CY	1.68	5%	2
		<b>Slab</b>				
		<b>Slab On Grade (1803 SF)</b> 4" Concrete Slab W/ #4 Bars @ 18" O.C E.W 10 Vapor Barrier 4" Crushed Rock Compacted Fill	CY	22.04	5%	23
		<b>Dharma Hall</b>				
		<b>Pad Footings</b>				
233		(10'-0"x10'-0"x24") Concrete Pad Footing (36 LF) W/ 12#6 E.W	CY	266.67	5%	280
234		(13'-0"x13'-0"x24") Concrete Pad Footing (10 LF) W/ 13#7 E.W	CY	125.19	5%	131
235		(13'-0"x13'-0"x30") Concrete Pad Footing (4 EA) W/ 15#7 E.W	CY	62.59	5%	66
		<b>Grade Beam</b>				
236		(24"X48") Grade Beam (2242 LF) W/ 35#8 Conti. Bars	CY	664.30	5%	698
		<b>Slab</b>				
		<b>Slab On Grade (22619 SF)</b> 5" Concrete Slab W/ #4 Bars @ 18" O.C E.W 2" Rigid Insulation 15 Vapor Barrier 5" Of 3/4" Crushed Rock Compacted Fill	CY	368.61	5%	387
		<b>Dining Hall</b>				
		<b>Pad Footings</b>				
238		(10'-0"x10'-0"x24") Concrete Pad Footing (10 EA) W/ 12#6 E.W	CY	74.07	5%	78
239		(13'-0"x13'-0"x24") Concrete Pad Footing (6 EA) W/ 13#7 E.W	CY	75.11	5%	79
240		(15'-0"x15'-0"x30") Concrete Pad Footing (12 EA) W/ 17#7 E.W	CY	250.00	5%	263
241		(19'-0"x19'-0"x36") Concrete Pad Footing (6 EA) W/ 19#8 E.W	CY	240.67	5%	253
		<b>Grade Beam</b>				
242		(24"X48") Grade Beam (1975 LF) W/ 35#8 Conti. Bars	CY	579.85	5%	609
		<b>Slab</b>				
		<b>Slab On Grade (28290 SF)</b> 5" Concrete Slab W/ #4 Bars @ 18" O.C E.W 2" Rigid Insulation 15 Vapor Barrier 5" Of 3/4" Crushed Rock Compacted Fill	CY	461.02	5%	484
		<b>Men Restrooms</b>				
		<b>Pier Footings</b>				

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
244		(36" Dia) Concrete Pier Footing (8'-6" H, 9 EA) W/ 6#4 Vertical Bars , #3 Ties @ 12" O.C	CY	20.12	5%	21
245		(36" Dia) Concrete Pier Footing (7'-6" H, 5 EA) W/ 6#4 Vertical Bars , #3 Ties @ 12" O.C	CY	9.86	5%	10
		<b>Pad Footings</b>				
246		(1'-6"x1'-6"x1'-0") Concrete Pad Footing (3 EA) W/ 4#4 E.W	CY	0.25	5%	0
247		(2'-0"x2'-0"x1'-0") Concrete Pad Footing (14 EA) W/ 5#4 E.W	CY	2.07	5%	2
248		(2'-6"x2'-6"x1'-0") Concrete Pad Footing (10 EA) W/ 4#4 E.W	CY	2.31	5%	2
		<b>Wall Footings</b>				
249		(12"x12") Concrete Wall Footing (357 LF) W/ #2 Cont. Bars	CY	13.22	5%	14
250		(15"x18") Concrete Wall Footing (58 LF) W/ #2 Cont. Bars	CY	4.64	5%	5
		<b>Slab</b>				
251		<b>Slab On Grade (4713 SF)</b> 4" Concrete Slab W/ #4 Bars @ 18" O.C E.W 10 Vapor Barrier 4" Crushed Rock Compacted Fill	CY	57.60	5%	60
		<b>Women Restrooms</b>				
		<b>Pier Footings</b>				
252		(36" Dia) Concrete Pier Footing (8'-6" H, 8 EA) W/ 6#4 Vertical Bars , #3 Ties @ 12" O.C	CY	17.88	5%	19
253		(36" Dia) Concrete Pier Footing (7'-6" H, 6 EA) W/ 6#4 Vertical Bars , #3 Ties @ 12" O.C	CY	11.83	5%	12
		<b>Pad Footings</b>	CY		5%	
254		(2'-0"x2'-0"x1'-0") Concrete Pad Footing (7 EA) W/ 5#4 E.W	CY	1.04	5%	1
255		(2'-6"x2'-6"x1'-0") Concrete Pad Footing (13 EA) W/ 4#4 E.W	CY	3.01	5%	3
256		(3'-0"x3'-0"x1'-0") Concrete Pad Footing (2 EA) W/ 6#4 E.W	CY	0.67	5%	1
		<b>Wall Footings</b>				
257		(12"x12") Concrete Wall Footing (355 LF) W/ #2 Cont. Bars	CY	13.15	5%	14
258		(15"x18") Concrete Wall Footing (38 LF) W/ #2 Cont. Bars	CY	3.04	5%	3
		<b>Slab</b>				

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
259		<b>Slab On Grade (4713 SF)</b> 4" Concrete Slab W/ #4 Bars @ 18" O.C E.W 10 Vapor Barrier 4" Crushed Rock Compacted Fill	CY	57.60	5%	60

**DIVISION 05- METAL**

		<b>Framing</b>				
		<b>Buddha Hall</b>				
		<b>Holdowns</b>				
260		YMJ1 Anchor Bolts	EA	12	0%	12
261		YMJ2 Anchor Bolts	EA	48	0%	48
262		YMJ3 Anchor Bolts	EA	19	0%	19
		<b>Steel Columns</b>				
263		B20.0x1 GZ1 Steel Column (10'-0" H, 8 EA) W/ (3/4" Dia Bolt @ 8" O.C) -36"x36"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	80	5%	84
264		B20.0x1 GZ1 Steel Column (30'-0" H, 4 EA) W/ (3/4" Dia Bolt @ 8" O.C) -36"x36"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	120	5%	126
265		HSS 18x0.8 GZ2 Steel Column (18'-0" H, 42 EA) W/ (3/4" Dia Bolt @ 8" O.C) -30"x30"x1" Base (4) 1" Diax27" Bolt & 7/8" Cap Plate	LF	756	5%	794
266		HSS 18x0.8 GZ2 Steel Column (30'-0" H, 6 EA) W/ (3/4" Dia Bolt @ 8" O.C) -36"x36"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	180	5%	189
267		HSS 32x1.2 GZ3 Steel Column (10'-0" H, 6 EA) W/ (3/4" Dia Bolt @ 8" O.C) -44"x44"x1 1/4" Base (4) 1 1/2" Diax33" Bolt & 7/8" Cap Plate	LF	60	5%	63
268		HSS 20x1.2 GZ4 Steel Column (10'-0" H, 6 EA) W/ (3/4" Dia Bolt @ 8" O.C) -32"x32"x1 1/4" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	60	5%	63
269		HSS 20x1.2 GZ4 Steel Column (18'-0" H, 6 EA) W/ (3/4" Dia Bolt @ 8" O.C) -36"x36"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	108	5%	113
270		HSS 20x1.2 GZ4 Steel Column (30'-0" H, 2 EA) W/ (3/4" Dia Bolt @ 8" O.C) -36"x36"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	60	5%	63
		<b>Steel Beam</b>				
271		W12x72 Steel Beam (1346 LF)	Lbs.	16152	5%	16960
272		W10x68 Steel Beam (3570 LF)	Lbs.	35700	5%	37485
273		W21x62 Steel Beam (525 LF)	Lbs.	11025	5%	11576
274		W24x76 Steel Beam (1367 LF)	Lbs.	32808	5%	34448
275		W24x104 Steel Beam (879 LF)	Lbs.	20880	5%	21924
276		W21x101 Steel Beam (199 LF)	Lbs.	4179	5%	4388
277		HSS 16x16x0.625" Steel Beam (1561 LF)	Lbs.	24976	5%	26225
278		HSS 12x12x0.625" Steel Beam (1214 LF)	Lbs.	14568	5%	15296

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
279		HSS 32x1.2 Steel Beam (75 LF)	Lbs.	2400	5%	2520
280		HSS 20x1.2 Steel Beam (38 LF)	Lbs.	760	5%	798
		<b>Connections</b>				
281		<b>Pin Connections</b> (2) Stiffener EA As Flange Size 1/2" Thick Steel Plate W/ (4)-3/4" Dia Bolts	EA	342	0%	342
		<b>Deck</b>				
282		Corrugated Metal Deck	SF	82306	5%	86421
		<b>Dharma Hall</b>				
		<b>Holdowns</b>				
283		YMJ1 Anchor Bolts	EA	40	0%	40
284		YMJ2 Anchor Bolts	EA	10	0%	10
		<b>Steel Columns</b>				
285		B24.0x1 GZ1 Steel Column (10'-0" H, 24 EA) W/ (3/4" Dia Bolt @ 8" O.C) -36"x36"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	240	5%	252
286		B24.0x1 GZ1 Steel Column (15'-0" H, 16 EA) W/ (3/4" Dia Bolt @ 8" O.C) -36"x36"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	240	5%	252
287		HSS18x0.8 GZ2 Steel Column (15'-0" H, 10 EA) W/ (3/4" Dia Bolt @ 8" O.C) -36"x36"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	150	5%	158
		<b>Steel Beam Members</b>				
288		W10x77 Steel Beam (1339 LF)	Lbs.	13390	5%	14060
289		W24x76 Steel Beam (746 LF)	Lbs.	17904	5%	18799
290		W27x146 Steel Beam (611 LF)	Lbs.	16497	5%	17322
291		W24x104 Steel Beam (1709 LF)	Lbs.	41016	5%	43067
292		W27x146 Steel Beam 129 LF)	Lbs.	3483	5%	3657
293		W18x60 Steel Beam (1057 LF)	Lbs.	19026	5%	19977
		<b>Connections</b>				
294		<b>Pin Connections</b> (2) Stiffener EA -As Flange Size 1/2" Thick Steel Plate W/ (4)-3/4" Dia Bolts	EA	236	0%	236
295		Fix Connections	EA	306	0%	306
		<b>Deck</b>				
296		Corrugated Metal Deck	SF	33755	5%	35443
		<b>Dining Hall</b>				
		<b>Steel Columns</b>				
297		B 23.5x1.1 GZ1 Steel Column (17'-0" H, 14 EA) W/ (3/4" Dia Bolt @ 8" O.C) -35.5"x35.5"x1 1/4" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	238	5%	250
298		B 23.5x1.1 GZ1 Steel Column (10'-0" H, 8 EA) W/ (3/4" Dia Bolt @ 8" O.C) -36"x36"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	80	5%	84
299		B 24x1.3 GZ2 Steel Column (10'-0" H, 2 EA) W/ (3/4" Dia Bolt @ 8" O.C) -36"x36"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	20	5%	21

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
300		HSS 22x1 GZ4 Steel Column (17'-0" H, 2 EA) W/ (3/4" Dia Bolt @ 8" O.C) -34"x34"x1 1/4" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	34	5%	36
301		HSS 16x0.625 GZ3 Steel Column (17'-0" H, 8 EA) W/ (3/4" Dia Bolt @ 8" O.C) -28"x28"x1 1/4" Base (4) 1 1/4" Diax30" Bolt & 7/8" Cap Plate	LF	136	5%	143
		<b>Steel Beam Members</b>				
302		W24x94 Steel Beam (2282 LF)	Lbs.	2282	5%	2396
303		W24x68 Steel Beam (365 LF)	Lbs.	365	5%	383
304		W24x104 Steel Beam (731 LF)	Lbs.	731	5%	768
305		W27x129 Steel Beam (120 LF)	Lbs.	120	5%	126
306		W30x124 Steel Beam (291 LF)	Lbs.	291	5%	306
307		W10x77 Steel Beam (1068 LF)	Lbs.	1068	5%	1121
308		W10x88 Steel Beam (300 LF)	Lbs.	300	5%	315
309		B29x11x0.75x1 Steel Beam (73 LF)	LF	73	5%	77
310		HSS12x6x0.625 Steel Beam (603 LF)	Lbs.	40763	5%	42801
		<b>Connections</b>				
		<b>Pin Connections</b>				
311		(2) Stiffener -As Flange Size 1/2" Thick Steel Plate W/ (4)-3/4" Dia Bolts	EA	100	0%	100
312		Fix Connections	EA	260	0%	260
		<b>Deck</b>				
313		Corrugated Metal Deck	SF	45181	5%	47440
		<b>Main Gate</b>				
		<b>Steel Columns</b>				
314		HSS 12"x12"x1/2" Steel Column (21' H, 8 EA) -30"x30"x1 1/2" Base (4) 1 1/4" Diax30" Bolt & 3/4" Cap Plate	Lbs.	12752	5%	13390
315		HSS 6"x6"x3/8" Steel Column (18' H, 199 EA) -12"x12"x1/2" Base (4) 1 1/4" Diax30" Bolt & 3/4" Cap Plate	Lbs.	98147	5%	103054
316		HSS 6"x6"x1/2" Steel Column (18' H, 16 EA) -12"x12"x1/2" Base (4) 1 1/4" Diax30" Bolt & 3/4" Cap Plate	Lbs.	10109	5%	10614
		<b>Bell &amp; Drum</b>				
		<b>1st Floor Framing</b>				
		<b>Holdowns</b>				
317		HDU2 Anchor Bolts	EA	28	0%	28
		<b>Steel Columns</b>				
318		HSS 6x6x3/8" Steel Column (15' H, 24 EA)	Lbs.	9864	5%	10357
		<b>Roof Framing</b>				
		<b>Steel Columns</b>				
319		HSS 4x4x1/4" Steel Column (11' H, 26 EA) -4x10x1/4" Steel Pate Top & Botti. W/ 4-3/8" Dia Bolt	Lbs.	3490	5%	3665
		<b>Steel Beams</b>				
320		HSS 4x8x1/4" Steel Beam (153 LF)	Lbs.	2907	5%	3052
321		W10x33 (32 LF)	Lbs.	320	5%	336
		<b>Men Restrooms</b>				
		<b>Holdowns</b>				
322		HDU5 Anchor Bolts	EA	14	0%	14
323		HDU8 Anchor Bolts	EA	12	0%	12
		<b>Steel Columns</b>				
324		HSS 4x4x1/4" Steel Column (12' H, 53 LF)	Lbs.	15958	5%	16756
325		HSS 8x8x5/8" Steel Column (12' H, 14 LF)	Lbs.	19858	5%	20851
326		HSS 4x4x1/4" King Posts (8' H, 5 EA)	Lbs.	976	5%	1025

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
		<b>Steel Headers</b>				
327		600S162-68 2 Boxed Header (54 LF)	Lbs.	482	5%	506
328		600S162-54 2 Boxed Header (21 LF)	Lbs.	171	5%	180
329		600S162-43 Header (7 LF)	Lbs.	31	5%	33
330		HSS 4x4x1/4" Header (96 LF)	Lbs.	2270	5%	2384
331		HSS 4x8x1/4" Header (120 LF)	Lbs.	14184	5%	14893
		<b>Women Restrooms</b>				
		<b>Holdowns</b>				
332		HDU2 Anchor Bolts	EA	4	0%	4
333		HDU5 Anchor Bolts	EA	29	0%	29
334		HDU8 Anchor Bolts	EA	1	0%	1
		<b>Steel Columns</b>				
335		HSS 4x4x1/4" Steel Column (12' H, 56 EA)	Lbs.	15958	5%	16756
336		HSS 8x8x5/8" Steel Column (12' H, 14 EA)	Lbs.	19858	5%	20851
337		HSS 4x4x1/4" King Posts (8' H, 5 EA)	Lbs.	976	5%	1025
		<b>Steel Headers</b>				
338		600S162-68 2 Boxed Header (48 LF)	Lbs.	482	5%	506
339		600S162-54 2 Boxed Header (24 LF)	Lbs.	171	5%	180
340		600S162-43 Header (3 LF)	Lbs.	31	5%	33
341		HSS 4x4x1/4" Header (90 LF)	Lbs.	2270	5%	2384
342		HSS 4x8x1/4" Header (120 LF)	Lbs.	14184	5%	14893
		<b>Main Gate</b>				
		<b>Railing</b>				
		<b>Cloister Floor</b>				
343		(36" H) Guard Rail	LF	496	5%	521
344		(42" H) Guard Rail	LF	52	5%	55
		<b>Bell Tower</b>				
		<b>Railing</b>				
345		(42" H) Guard Rail	LF	46	5%	48
		<b>Drum Tower</b>				
		<b>Railing</b>				
346		(42" H) Guard Rail	LF	46	5%	48
		<b>Hardware's</b>				
		<b>Main Gate</b>				
347		MST48 Straps	LF	207	5%	217
348		HST2	EA	460	0%	460
349		H2.5A	EA	326	0%	326
350		HRC44 Connectors	EA	22	0%	22
		<b>Bell &amp; Drum</b>				
351		H2.5	EA	28	0%	28
352		H2.5A	EA	74	0%	74
353		HHUS Simpsons	EA	24	0%	24
354		LTP4 Clips	EA	66	0%	66
355		ST18 Straps	LF	94	0%	94
		<b>Men Restrooms</b>				
356		MST48 Straps	LF	22	5%	23
357		HST2	EA	72	0%	72
358		H2.5A	EA	68	0%	68
359		HRC44 Connectors	EA	8	0%	8
		<b>Women Restrooms</b>				
360		MST48 Straps	LF	14	5%	15
361		HST2	EA	72	0%	72
362		H2.5A	EA	68	0%	68
363		HRC44 Connectors	EA	8	0%	8

**DIVISION 06- WOOD, PLASTIC & COMPOSITES**

		<b>Framing</b>				
		<b>Main Gate</b>				
		<b>Beams &amp; Headers</b>				
364		4x10 Header	LF	1994	5%	2094
365		5 1/4" x 11 7/8" LVL	LF	80	5%	84
366		3 1/2" x 14" LVL	LF	102	5%	107
367		5 1/4" x 18" LVL	LF	99	5%	104
368		5 1/4" x 22" LVL	LF	42	5%	44

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
369		3 1/2" x 9 1/2" LVL	LF	391	5%	411
370		3 1/2" x16" LVL	LF	91	5%	96
371		3 1/2" x11 7/8" LVL	LF	1292	5%	1357
372		3 1/2" x 9 1/2" LVL	LF	112	5%	118
		<b>Posts</b>				
373		4x6 king Posts (6' H, 3 EA) A35 @ 2 Sides PCC44 Base Plate & PC Cap Plate	LF	18	5%	19
374		4x4 king Posts (6' H, 66 EA) PCC44 Base Plate & PC Cap Plate	LF	396	5%	416
		<b>Joists</b>				
375		2X10 Ceiling Joists @ 16" O.C (11822 SF)	LF	8888	5%	9332
		<b>Rafters</b>				
376		2X10 Roof Rafters @ 16" O.C (19536 SF)	LF	14690	5%	15425
		<b>Roof Sheathing</b>				
377		1/2" Plywood Sheathing W/ 8d Nails 6/12 Max	SF	19536	5%	20513
		<b>Blocking</b>				
378		2x4 Blocking	LF	2955	5%	3103
379		2x4 Collar Tie	LF	4885	5%	5129
		<b>Bell &amp; Drum</b>				
		<b>1st Floor Framing</b>				
		<b>Beams &amp; Headers</b>				
380		5 1/4" x 9 1/2" LVL	LF	162	5%	170
381		3 1/2" x11 7/8" LVL	LF	111	5%	117
382		3 1/2" x9 1/2" LVL	LF	23	5%	24
383		HFX 21x14	LF	41	5%	43
384		3 1/2" x11 7/8" LVL Hip	LF	47	5%	49
		<b>Posts</b>				
385		4x6 king Posts (4' H, 6 EA)	LF	24	5%	25
		<b>Joists</b>				
386		2X12 Floor Joists @ 12" O.C (287 SF)	LF	283	5%	297
		<b>Rafters</b>				
387		2X8 Roof @ 16" O.C (1278 SF)	LF	962	5%	1010
		<b>Floor Sheathing</b>				
388		3/4" T&G Plywood Sheathing	SF	14690	5%	15425
		<b>Blocking</b>				
389		2x4 Blocking	LF	73	5%	77
390		2x4 Collar Tie	LF	2733	5%	2870
		<b>Roof Framing</b>				
		<b>Beams &amp; Headers</b>				
391		5 1/4" x 9 1/2" LVL	LF	124	5%	130
392		HFX 24x10	LF	106	5%	111
		<b>Rafters</b>				
393		2X10 Roof Rafters @ 16" O.C (1231 SF)	LF	919	5%	965
		<b>Sheathing</b>				
394		1/2" OSB Plywood Sheathing W/ 8d Nails 6/12 Ma	SF	1231	5%	1293
		<b>Blocking</b>				
395		2x4 Blocking	LF	256	5%	269
396		2x4 Collar Tie	LF	310	5%	326
		<b>Men Restrooms</b>				
		<b>Beams</b>				
397		3 1/2" x 14" LVL Beam	LF	81	5%	85
398		3 1/2" x9 1/2" LVL Beam	LF	85	5%	89
399		3 1/2" x 11 17/8" LVL Beam	LF	162	5%	170
400		4x10 Beam	LF	42	5%	44
		<b>Posts</b>				
401		4x4 King Post (8' H, 5 EA)	EA	5	0%	5
		<b>Joists</b>				
402		2x10 DF#2 Ceiling Joist @ 16" O.C (5217 SF)	LF	3924	5%	4120
		<b>Rafters</b>				
403		2X10 Roof Rafters @ 16" O.C (6673 SF)	LF	5019	5%	5270
		<b>Sheathing</b>				
404		1/2" OSB Plywood Sheathing W/ 8d Nails 6/12 Ma	SF	6673	5%	7007
		<b>Blocking</b>				
405		2x4 Blocking	LF	1305	5%	1370

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
406		2x4 Collar Tie	LF	1670	5%	1754
		<b>Women Restrooms</b>				
		<b>Beams</b>				
407		3 1/2" x 14" LVL Beam	LF	81	5%	85
408		3 1/2" x9 1/2" LVL Beam	LF	85	5%	89
409		3 1/2" x 11 17/8" LVL Beam	LF	162	5%	170
410		4x10 Beam	LF	42	5%	44
		<b>Posts</b>				
411		4x4 King Post (8' H, 2 EA)	LF	2	5%	2
		<b>Joists</b>				
412		2x10 DF#2 Ceiling Joist @ 16" O.C (5209 SF)	LF	3918	5%	4114
		<b>Rafters</b>				
413		2X10 Roof Rafters @ 16" O.C (6668 SF)	SF	6668	5%	7001
		<b>Sheathing</b>				
414		1/2" OSB Plywood Sheathing W/ 8d Nails 6/12 Ma	SF	6668	5%	7001
		<b>Blocking</b>				
415		2x4 Blocking	LF	1304	5%	1369
416		2x4 Collar Tie	LF	1660	5%	1743
		<b>Millwork</b>				
		<b>Buddha</b>				
417		(2' W-7'-0") Book Cases TBD	LF	120	5%	126
		<b>Dining</b>				
418		(56"x24") Cabinets Table	EA	1	5%	1
419		(2'-0"x 2'-10") Vanity Cabinet	EA	2	5%	2
420		(3'-0"Hx1'-0"W) Upper Cabinets	EA	6	5%	6
421		(2'-10"H x 2'-0") Lower Cabinets	EA	5	5%	5
422		(6'-5"x 5'-3" ) Employees Locker (6-Tiers in one Row)	EA	1	5%	1

## DIVISION 07- THERMAL & MOISTURE PROTECTION

		<b>Roofing</b>				
		<b>Main Gate</b>				
423		Clay Roof Tile	SF	19817	5%	20808
424		Waterproofing Membrane	SF	19817	5%	20808
425		(2x- ) Wood Fascia	LF	2471	5%	2595
426		25 Ga. Counter Flashing	LF	2471	5%	2595
427		(2'-0" W) GFRC Panel Soffit	SF	4942	5%	5189
		<b>Flashing</b>				
428		Ridge Flashing	LF	1149	5%	1206
429		Hip Flashing	LF	101	5%	106
430		Valley Flashing	LF	192	5%	202
		<b>Bell Tower</b>				
431		Clay Tile Roofing	SF	1556	5%	1634
432		Water Resistive Barrier	SF	1556	5%	1634
433		(2x- ) Wood Fascia	LF	239	5%	251
434		25 Ga. Counter Flashing	LF	239	5%	251
435		(2'-0" W) GFRC Panel Soffit	SF	578	5%	607
		<b>Flashing</b>				
436		Hip Flashing	LF	145	5%	152
		<b>Flashing</b>				
437		Door Flashing	LF	23	5%	24
		<b>Drum Tower</b>				
438		Clay Tile Roofing	SF	1556	5%	1634
439		Water Resistive Barrier	SF	1556	5%	1634
440		(2x- ) Wood Fascia	LF	239	5%	251
441		25 Ga. Counter Flashing	LF	239	5%	251
442		(2'-0" W) GFRC Panel Soffit	SF	578	5%	607
		<b>Flashing</b>				
443		Hip Flashing	LF	145	5%	152
		<b>Flashing</b>				
444		Door Flashing	LF	23	5%	24
		<b>Buddha Hall</b>				
445		Deco Piece	LF	166	5%	174
446		Deco Tile	LF	166	5%	174
447		Ridge Tile	LF	83	5%	87

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
448	Ag-2.1 To Af-6.1	Spacer Tiles	LF	166	5%	174
449		Hip Cap Tile	LF	669	5%	702
450		Glazed Clay Roof Tile	SF	10852	5%	11395
		<b>Paper</b>				
451		#30 Felt Paper	SF	10852	5%	11395
		<b>Fascia</b>				
452		1' GFRC Fascia Board	LF	997	5%	1047
		<b>Soffit</b>				
453		2'.5" GFRC Soffit By Suspense Grid System	SF	2493	5%	2618
		<b>Cap</b>				
454		4" Roof Tile Cap	LF	997	5%	1047
		<b>Membrane</b>				
455		TPO Water Proofing Membrane	SF	10852	5%	11395
		<b>Insulation</b>				
456		R-30 Batt Insulation	SF	10852	5%	11395
		<b>Flashing</b>				
457		Hip Flashing	LF	669	5%	702
458		Self-Adeheah Bitchme Paper Around Windows & Doors	LF	1417	5%	1488
		<b>Dining Hall</b>				
459		Deco Piece	LF	260	5%	273
460		Deco Tile	LF	260	5%	273
461		Ridge Tile	LF	130	5%	137
462		Spacer Tiles	LF	260	5%	273
463		Hip Tile Cap	LF	221	5%	232
464		Tile Ridge Cap	LF	315	5%	331
465		Glazed Clay Roof Tile	SF	30021	5%	31522
		<b>Paper</b>				
466		#30 Felt Paper	SF	30021	5%	31522
		<b>Fascia</b>				
467		1' GFRC Fascia Board	LF	983	5%	1032
		<b>Soffit</b>				
468		2'.5" GFRC Soffit By Suspense Grid System	SF	2458	5%	2581
		<b>Cap</b>				
469		4" Roof Tile Cap	LF	983	5%	1032
		<b>Membrane</b>				
470		TPO Water Proofing Membrane	SF	30021	5%	31522
		<b>Insulation</b>				
471		R-30 Batt Insulation	SF	30021	5%	31522
		<b>Drain</b>				
472		(4" Dia) Overflow Roof Drain	EA	10	0%	10
		<b>Flashing</b>				
473		Hip Tile Cap	LF	221	5%	232
474		26 GA G.I Flashing	SF	1050	5%	1103
475		Metal Channel Flashing	SF	1050	5%	1103
476		Self-Adeheah Bitchme Paper Around Windows & Doors	LF	921	5%	967
		<b>Dharma Hall</b>				
477		Ridge Tile	LF	337	5%	354
478		Deco Piece	LF	674	5%	708
479	Deco Tile	LF	674	5%	708	
480	Spacer Tiles	LF	674	5%	708	
481	Glazed Clay Roof Tile	SF	25311	5%	26577	
	<b>Paper</b>					
482	#30 Felt Paper	SF	25311	5%	26577	
	<b>Fascia</b>					
483	1' GFRC Fascia Board	LF	980	5%	1029	
	<b>Soffit</b>					
484	2'.5" GFRC Soffit By Suspense Grid System	SF	5390	5%	5660	
	<b>Cap</b>					
485	4" Roof Tile Cap	LF	980	5%	1029	
	<b>Membrane</b>					

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
486		TPO Water Proofing Membrane	SF	25311	5%	26577
		<b>Insulation</b>				
487		R-30 Batt Insulation	SF	25311	5%	26577
		<b>Flashing</b>				
488		Hip Flashing	LF	328	5%	344
489		Valley Flashing	LF	116	5%	122
490		26 GA G.I Flashing	SF	1680	5%	1764
491		Metal Channel Flashing	SF	1680	5%	1764
492		Self-Adeheah Bitchme Paper Around Windows & Doors	LF	2495	5%	2620
		<b>Women's Restroom</b>				
493		Ridge Tile	LF	154	5%	162
494		Spacer Tiles	LF	308	5%	323
495		(1' H) Roof Tile Accessory Deco	LF	428	5%	449
496		Clay Roof Tile Over Roof Plywood Deck W STT Nailer/Rubber Washer	SF	6717	5%	7053
		<b>Membrane</b>				
497		Self Adhesive Water Proofing Membrane	SF	6717	5%	7053
		<b>Insulation</b>				
498		R-30 Batt Insulation	SF	6717	5%	7053
		<b>Paper</b>				
499		#30 Felt Paper	SF	25311	5%	26577
		<b>Fascia</b>				
500		(1'-3" H) GFRC Fascia Board	LF	568	5%	596
		<b>Soffit</b>				
501		(4' W) 5/8" Type X Gypsum Board Under Stucco	SF	2272	5%	2386
		<b>Cap</b>				
502		4" Roof Tile Cap	LF	568	5%	596
		<b>Gutter</b>				
503		Aluminum Gutter	LF	568	5%	596
		<b>Flashing</b>				
504		Metal Drip Flashing W Anti Ponding Strip	LF	568	5%	596
505		Self-Adeheah Bitchme Paper Around Windows & Doors	LF	1102	5%	1157
		<b>Men's Restroom</b>				
506		Ridge Tile	LF	154	5%	162
507		Spacer Tiles	LF	308	5%	323
508		(1' H) Roof Tile Accessory Deco	LF	428	5%	449
509		Clay Roof Tile Over Roof Plywood Deck W STT Nailer/Rubber Washer	SF	6717	5%	7053
		<b>Membrane</b>				
510		Self Adhesive Water Proofing Membrane	SF	6717	5%	7053
		<b>Insulation</b>				
511		R-30 Batt Insulation	SF	6717	5%	7053
		<b>Paper</b>				
512		#30 Felt Paper	SF	25311	5%	26577
		<b>Fascia</b>				
513		(1'-3" H) GFRC Fascia Board	LF	568	5%	596
		<b>Soffit</b>				
514		(4' W) 5/8" Type X Gypsum Board Under Stucco	SF	2272	5%	2386
		<b>Cap</b>				
515		4" Roof Tile Cap	LF	568	5%	596
		<b>Gutter</b>				
516		Aluminum Gutter	LF	568	5%	596
		<b>Flashing</b>				
517		Metal Drip Flashing W Anti Ponding Strip	LF	568	5%	596

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
518		Self-Adeheah Bitchme Paper Around Windows & Doors	LF	1140	5%	1197
<b>DIVISION 08- OPENINGS</b>						
<b>Doors</b>						
<b>Bell Tower</b>						
<b>1st Floor</b>						
519		(6'-0"x8'-2") Hollow Metal Door w/ Hollow Metal Frame	EA	1	0%	1
<b>Door Hardware</b>						
520		Hardware Sets @ Door	EA	1	0%	1
<b>Drum Tower</b>						
<b>1st Floor</b>						
521		(6'-0"x8'-2") Hollow Metal Door w/ Hollow Metal Frame	EA	1	0%	1
<b>Door Hardware</b>						
522		Hardware Sets @ Door	EA	1	0%	1
<b>Buddha Hall</b>						
523		(4'-0"x10'-0") Exterior Swing/ PR Aluminum Door W	EA	6	0%	6
524		(3'-6"x10'-3") Exterior Swing/ PR Aluminum Door W	EA	2	0%	2
525		(3'-0"x10'-0") Exterior Swing/ PR Aluminum Door W	EA	8	0%	8
526		(4'-0"x13'-0") Exterior Swing/ PR Aluminum Door W	EA	3	0%	3
527		(3'-0"x9'-0") Interior Swing/ PR Aluminum Door W	EA	18	0%	18
528		(4'-0"x9'-0") Movable Partition Storage Closure Per Manufacture Specification (Fire Rated As Needed)	EA	4	0%	4
<b>Dining Hall</b>						
529		(3'-0"x8'-0") Swing/ SG Cooler Freezer Box Per Manufacture Specification	EA	2	0%	2
530		(3'-0"x8'-0") Sliding/ SG Cooler Freezer Box	EA	1	0%	1
531		(3'-0"x10'-0") Exterior/ Swing/ PR Aluminum Door	EA	14	0%	14
532		(3'-0"x9'-0") Interior/ Swing/ SG P.Lam/ SC Door W	EA	19	0%	19
533		(3'-0"x9'-0") Interior/ D Acting/ PR SST Panel Door	EA	2	0%	2
<b>Dharma Hall</b>						
534		(3'-0"x10'-0" H) Glass Door W Frameless Frame	EA	2	0%	2
535		(3'-0"x9'-0" H) Glass Door W Frameless Frame	EA	2	0%	2
536		(3'-0"x10'-0" H) Aluminum Door W Aluminum Frar	EA	12	0%	12
537		(3'-0"x9'-0" H) Plastic Laminate / S.C Glass Door W	EA	28	0%	28
<b>Women's Restroom</b>						
538		(3'-0"x8'-0") Aluminum Door W Aluminum Frame	EA	9	0%	9
539		(3'-0"x8'-0") Hollow Metal Door W Hollow Metal	EA	1	0%	1
<b>Men's Restroom</b>						
540		(3'-0"x8'-0") Aluminum Door W Aluminum Frame	EA	10	0%	10
<b>Doors Hardware</b>						
<b>Dining Hall</b>						
<b>Group 1B (7 EA)</b>						
541		OPERATING (7 EA) VON DUPRIN 50WDC	EA	1	0%	1
542		THRESHOLD 7 EA PEMKO S88	EA	1	0%	1
543		CLOSER NORTON 8581BF	EA	1	0%	1
544		EXIT INDICATOR ADAMS RITE 4089	EA	1	0%	1
545		CYCLINDER GUARD 7 EA ADAMS RITE MS4043	EA	1	0%	1

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
546		PULL VON DUPRIN 33A	EA	1	0%	1
547		CYLINDER SCHLAGE 26-072	EA	1	0%	1
		<b>Group 1A (7 EA)</b>				
548		OPERATING ADAMS RITE MS1850S	EA	1	0%	1
549		THRESHOLD ADAMS RITE 4015	EA	1	0%	1
550		CLOSER 7 EA NORTON 8581BF	EA	1	0%	1
551		THRESHOLD PEMKO S88	EA	1	0%	1
552		CYLINDER GUARD ADAMS RITE MS4043	EA	1	0%	1
553		EXIT INDICATOR ADAMS RITE 4089	EA	1	0%	1
554		CYLINDER SCHLAGE 26-072	EA	1	0%	1
555		PULL Forms+Surface DT1011-30, DT1011-12	EA	1	0%	1
		<b>Group 2A (1 EA)</b>				
556		PULL Forms+Surface DT1011-30, DT1011-12	EA	1	0%	1
557		EXIT INDICATOR ADAMS RITE 4089	EA	1	0%	1
558		CYLINDER SCHLAGE 26-072	EA	1	0%	1
559		THRESHOLD PEMKO S88	EA	1	0%	1
560		CYLINDER GUARD ADAMS RITE MS4043	EA	1	0%	1
561		THRESHOLD ADAMS RITE 4015	EA	1	0%	1
562		CLOSER 7 EA NORTON 8581BF	EA	1	0%	1
563		OPERATING ADAMS RITE MS1850S	EA	1	0%	1
564		Header Bolt Adams Rite 4085	EA	1	0%	1
		<b>Group 4 (17 EA)</b>				
565		Operating SCHLAGE L9080	EA	1	0%	1

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
566		Stop Trimco W1276 CCS	EA	1	0%	1
567		BUTTS SOSS 450 T88	EA	1	0%	1
		<b>Group 7A (2 EA)</b>				
568		Operating SCHLAGE L9453	EA	1	0%	1
569		CLOSER 7 EA NORTON 8581BF	EA	1	0%	1
570		BUTTS SOSS 450 T88	EA	1	0%	1
571		Stop Trimco W1276 CCS	EA	1	0%	1
572		Seal Pemko S88	EA	1	0%	1
573		Bolts G.J FB8 OR FB7	EA	1	0%	1
574		Astragal Pemko 355 DS	EA	1	0%	1
575		Coordinator G.J COR2	EA	1	0%	1
		<b>Dharma Hall</b>				
		<b>Set 2B ( 12 EA)</b>				
576		Operating Manuf: VON DUPRIN Model: 55WDC	EA	12	0%	12
577		Threshold Bolt Manuf: ADAMS RITE Model: 4015	EA	12	0%	12
578		Header Bolt Manuf: ADAMS RITE Model: 485	EA	12	0%	12
579		Closer Manuf: NORTON Model: 8501BF	EA	12	0%	12
580		Threshold Manuf: PEMKO Model: 988	EA	12	0%	12
581		Cylinder Guard Manuf: ADAMS RITE Model: MS4043	EA	12	0%	12
582		Exit Indicator Manuf: ADAMS RITE Model: 4089	EA	12	0%	12
583		Cylinder Manuf: SCHLAGE Model: 20-072	EA	12	0%	12
584		Pull Manuf: VON DUPRIN Model: 33A	EA	12	0%	12
		<b>Set 1B ( 4 EA)</b>				
585		Operating Manuf: VON DUPRIN Model: 55WDC	EA	4	0%	4

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
586		Closer Manuf: NORTON Model: 8501BF	EA	4	0%	4
587		Threshold Manuf: PEMKO Model: 988	EA	4	0%	4
588		Cylinder Guard Manuf: ADAMS RITE Model: MS4043	EA	4	0%	4
589		Exit Indicator Manuf: ADAMS RITE Model: 4089	EA	4	0%	4
590		Cylinder Manuf: SCHLAGE Model: 20-072	EA	4	0%	4
591		Pull Manuf: VON DUPRIN Model: 33A	EA	4	0%	4
		<b>Set 4 ( 22 EA)</b>				
592		Operating Manuf: SCHLAGE Model: L9080	EA	22	0%	22
593		Butts Manuf: SOSS Model: 450 T88	EA	22	0%	22
594		Stop Manuf: TRIMCO Model: W1276 CCS	EA	22	0%	22
		<b>Set 6B ( 3 EA)</b>				
595		Operating Manuf: VON DUPRIN Model: SERIES 33	EA	3	0%	3
596		Butts Manuf: SOSS Model: 450 T88	EA	3	0%	3
597		Closer Manuf: NORTON Model: 8501BF	EA	3	0%	3
598		Seals Manuf: PEMKO Model: S88	EA	3	0%	3
599		Stop Manuf: TRIMCO Model: W1276 CCS	EA	3	0%	3
		<b>Set 7A ( 1 EA)</b>				
600		Operating Manuf: VON DUPRIN Model: SERIES 33	EA	1	0%	1
601		Butts Manuf: SOSS Model: 450 T88	EA	1	0%	1
602		Closer Manuf: NORTON Model: 8501BF	EA	1	0%	1
603		Seals Manuf: PEMKO Model: S88	EA	1	0%	1
604		Stop Manuf: TRIMCO Model: W1276 CCS	EA	1	0%	1
605		Bolts Manuf: G.J Model: FB8 OR FB7	EA	1	0%	1

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
606		Astragal Manuf: PEMKO Model: 355 DS	EA	1	0%	1
607		Coordinator Manuf: G.J Model: C0 R2	EA	1	0%	1
		<b>Set 7B ( 2 EA)</b>				
608		Operating Manuf: VON DUPRIN Model: SERIES 33	EA	2	0%	2
609		Butts Manuf: SOSS Model: 450 T88	EA	2	0%	2
610		Closer Manuf: NORTON Model: 8501BF	EA	2	0%	2
611		Seals Manuf: PEMKO Model: S88	EA	2	0%	2
612		Stop Manuf: TRIMCO Model: W1276 CCS	EA	2	0%	2
613		Bolts Manuf: G.J Model: FB8 OR FB7	EA	2	0%	2
614		Astragal Manuf: PEMKO Model: 355 DS	EA	2	0%	2
615		Coordinator Manuf: G.J Model: C0 R2	EA	2	0%	2
		<b>Women's Restroom</b>				
		<b>Set 4 ( 2 EA)</b>				
616		Operating Manuf: SCHLAGE Model: L9080	EA	2	0%	2
617		Butts Manuf: SOSS Model: 450 T88	EA	2	0%	2
618		Stop Manuf: TRIMCO Model: W1276 CCS	EA	2	0%	2
		<b>Set 3A ( 6 EA)</b>				
619		Operating Manuf: ADAMS RITE Model: MS1850S	EA	3	0%	3
620		Butts Manuf: SOSS Model: 450 T88	EA	3	0%	3
621		Closer Manuf: NORTON Model: 8501BF	EA	3	0%	3
622		Threshold Manuf: PEMKO Model: 200D	EA	3	0%	3
623		Latch Guard Manuf: G.J Model: LP2	EA	3	0%	3
624		Shoe Manuf: PEMKO Model: 216DV	EA	3	0%	3
625		Seals Manuf: PEMKO Model: S88	EA	3	0%	3

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
626		Stop Manuf: TRIMCO Model: W1276 CCS	EA	3	0%	3
		<b>Set 2A ( 2 EA)</b>				
627		Operating Manuf: ADAMS RITE Model: MS1850S	EA	2	0%	2
628		Threshold Bolt Manuf: ADAMS RITE Model: 4015	EA	2	0%	2
629		Header Bolt Manuf: ADAMS RITE Model: 4085	EA	2	0%	2
630		Closer Manuf: NORTON Model: 8501BF	EA	2	0%	2
631		Threshold Manuf: PEMKO Model: S88	EA	2	0%	2
632		Cylinder Guard Manuf: ADAMS RITE Model: MS4043	EA	2	0%	2
633		Exit Indicator Manuf: ADAMS RITE Model: 4089	EA	2	0%	2
634		Cylinder Manuf: SCHLAGE Model: 20-072	EA	2	0%	2
635		Pull Manuf: FORMS+ SURFACES Model: DT1011-30	EA	2	0%	2
		<b>Men's Restroom</b>				
		<b>Set 4 ( 2 EA)</b>				
636		Operating Manuf: SCHLAGE Model: L9080	EA	2	0%	2
637		Butts Manuf: SOSS Model: 450 T88	EA	2	0%	2
638		Stop Manuf: TRIMCO Model: W1276 CCS	EA	2	0%	2
		<b>Set 3A ( 6 EA)</b>				
639		Operating Manuf: ADAMS RITE Model: MS1850S	EA	3	0%	3
640		Butts Manuf: SOSS Model: 450 T88	EA	3	0%	3
641		Closer Manuf: NORTON Model: 8501BF	EA	3	0%	3
642		Threshold Manuf: PEMKO Model: 200D	EA	3	0%	3
643		Latch Guard Manuf: G.J Model: LP2	EA	3	0%	3
644		Shoe Manuf: PEMKO Model: 216DV	EA	3	0%	3
645		Seals Manuf: PEMKO Model: S88	EA	3	0%	3

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
646		Stop Manuf: TRIMCO Model: W1276 CCS	EA	3	0%	3
		<b>Set 2A ( 2 EA)</b>				
647		Operating Manuf: ADAMS RITE Model: MS1850S	EA	2	0%	2
648		Threshold Bolt Manuf: ADAMS RITE Model: 4015	EA	2	0%	2
649		Header Bolt Manuf: ADAMS RITE Model: 4085	EA	2	0%	2
650		Closer Manuf: NORTON Model: 8501BF	EA	2	0%	2
651		Threshold Manuf: PEMKO Model: S88	EA	2	0%	2
652		Cylinder Guard Manuf: ADAMS RITE Model: MS4043	EA	2	0%	2
653		Exit Indicator Manuf: ADAMS RITE Model: 4089	EA	2	0%	2
654		Cylinder Manuf: SCHLAGE Model: 20-072	EA	2	0%	2
655		Pull Manuf: FORMS+ SURFACES Model: DT1011-30	EA	2	0%	2
		<b>Windows</b>				
		<b>Buddha Hall</b>				
656		(4'-0"x6'-0"x5'-0') Window W/ Frame	EA	8	0%	8
657		(4'-0"x10'-0"x2'-0') Window W/ Frame	EA	2	0%	2
658		(12'-0"x5'-0"x34'-0') Window W/ Frame	EA	27	0%	27
659		(12'-0"x3'-9"x5'-0') Window W/ Frame	EA	1	0%	1
660		(3'-0"x7'-0") Exterior/ Swing/ SG Door W/ Hollow	EA	1	0%	1
661		(12'-0"x6'-0"x5'-0') Exterior Swing/ PR Aluminum	EA	7	0%	7
		<b>Dining Hall</b>				
662		(8'-0"x6'-0"x4'-0') Window W/ Frame	EA	4	0%	4
663		(4'-0"x6'-0"x4'-0') Window W/ Frame	EA	5	0%	5
664		(8'-0"x3'-9"x22'-0') Window W/ Frame	EA	4	0%	4
665		(12'-0"x3'-9"x22'-0') Window W/ Frame	EA	8	0%	8
666		(4'-0"x10'-0"x4'-0') Window W/ Aluminum Frame	EA	13	0%	13
		<b>Dharma Hall</b>				
		<b>First Floor</b>				
667		(6'-0"x10'-0") Power Operated Window W Frame	EA	2	0%	2
668		(4'-0"x6'-0") Power Operated Window W Frame	EA	5	0%	5
669		(8'-0"x6'-0") Power Operated Window W Frame	EA	3	0%	3
670		(12'-0"x6'-0") Power Operated Window W Frame	EA	12	0%	12
671		(10'-0"x10'-0") Power Operated Window W Frame	EA	1	0%	1
		<b>Upper Floor</b>				
672		(12'-0"x3'-9") Power Operated Window W Frame	EA	8	0%	8
		<b>Women's Restroom</b>				
673		(9'-0"x6'-0") First Glass Window W Frame	EA	1	0%	1
674		(3'-0"x6'-0") First Glass Window W Frame	EA	13	0%	13
675		(6'-0"x6'-0") First Glass Window W Frame	EA	3	0%	3
676		(12'-0"x3'-9") First Glass Window W Frame	EA	2	0%	2
		<b>Men's Restroom</b>				
677		(6'-0"x6'-0") First Glass Window W Frame	EA	12	0%	12
678		(3'-0"x6'-0") First Glass Window W Frame	EA	2	0%	2
679		(9'-0"x6'-0") First Glass Window W Frame	EA	1	0%	1
680		(12'-0"x4'-0") First Glass Window W Frame	EA	2	0%	2

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
<b>DIVISION 09- FINISHES</b>						
		<b>Drywall/Framing</b>				
		<b>Bell Tower</b>				
		<b>1st Floor</b>				
		<b>(1"x2") Furring Wall (10'-0" H, 58 LF)</b>				
681		(1"x2") Furring Strips @ 16" O.C. (44 EA) (440 LF)	SF	580	5%	609
682		(5/8") Type 'X' Gypsum Board	SF	580	5%	609
683		Sealant	LF	116	5%	122
		<b>2nd Floor</b>				
		<b>(1"x2") Furring Wall (10'-0" H, 58 LF)</b>				
684		(1"x2") Furring Strips @ 16" O.C. (44 EA) (440 LF)	SF	580	5%	609
685		(5/8") Type 'X' Gypsum Board	SF	580	5%	609
686		Sealant	LF	116	5%	122
		<b>Drum Tower</b>				
		<b>1st Floor</b>				
		<b>(1"x2") Furring Wall (10'-0" H, 58 LF)</b>				
687		(1"x2") Furring Strips @ 16" O.C. (44 EA) (440 LF)	SF	580	5%	609
688		(5/8") Type 'X' Gypsum Board	SF	580	5%	609
689		Sealant	LF	116	5%	122
		<b>2nd Floor</b>				
		<b>(1"x2") Furring Wall (10'-0" H, 58 LF)</b>				
690		(1"x2") Furring Strips @ 16" O.C. (44 EA) (440 LF)	SF	580	5%	609
691		(5/8") Type 'X' Gypsum Board	SF	580	5%	609
692		Sealant	LF	116	5%	122
		<b>Buddha Hall</b>				
		<b>Main Floor</b>				
		<b>Wall Type 2 (48 LF , 18'-0" H)</b>				
693		5/8" Gypsum Board	SF	1728	5%	1814
694		4" Metal Stud @ 16" O.C (37 EA , 667 LF)	SF	864	5%	907
695		R-11 Sound Attenuation Batt Insulation	SF	864	5%	907
696		4" Top And Bottom Runner	LF	96	5%	101
697		Sealant	LF	96	5%	101
		<b>Wall Type 2 (657 LF , 17'-0" H)</b>				
698		5/8" Gypsum Board	SF	22338	5%	23455
699		4" Metal Stud @ 16" O.C (494 EA , 8414 LF)	SF	11169	5%	11727
700		R-11 Sound Attenuation Batt Insulation	SF	11169	5%	11727
701		4" Top And Bottom Runner	LF	1314	5%	1380
702		Sealant	LF	1314	5%	1380
		<b>Wall Type 2 (158 LF , 15'-6" H)</b>				
703		5/8" Gypsum Board	SF	4898	5%	5143
704		4" Metal Stud @ 16" O.C (119 EA , 1856 LF)	SF	2449	5%	2571
705		R-11 Sound Attenuation Batt Insulation	SF	2449	5%	2571
706		4" Top And Bottom Runner	LF	316	5%	332
707		Sealant	LF	316	5%	332
		<b>Wall Type IA (789 LF , 17'-9" H)</b>				
708		5/8" Gypsum Board	SF	13965	5%	14663
709		6" Metal Stud @ 16" O.C (594 EA , 10517 LF)	SF	13965	5%	14663
710		R-19 Batt Insulation	SF	13965	5%	14663
711		6" Top And Bottom Runner	LF	1578	5%	1657
712		Sealant	LF	1578	5%	1657
		<b>Wall Type 5 (24 LF , 18' H)</b>				
713		5/8" Gypsum Board	SF	192	5%	202
714		3 5/8" Metal Stud @ 24" O.C (13 EA , 234 LF)	SF	192	5%	202
715		R-11 Batt Insulation	SF	192	5%	202
716		3 5/8" Top And Bottom Runner	LF	48	5%	50
717		Sealant	LF	48	5%	50

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
		<b>Wall Type 5 (82 LF , 41' H)</b>				
718		5/8" Gypsum Board	SF	3362	5%	3530
719		3 5/8" Metal Stud @ 24" O.C (42 EA , 1722 LF)	SF	3362	5%	3530
720		R-11 Batt Insulation	SF	3362	5%	3530
721		3 5/8" Top And Bottom Runner	LF	164	5%	172
722		Sealant	LF	164	5%	172
		<b>Wall Type 5 (44 LF , 15' H)</b>				
723		5/8" Gypsum Board	SF	660	5%	693
724		3 5/8" Metal Stud @ 24" O.C (23 EA , 345 LF)	SF	660	5%	693
725		R-11 Batt Insulation	SF	660	5%	693
726		3 5/8" Top And Bottom Runner	LF	88	5%	92
727		Sealant	LF	88	5%	92
		<b>Wall Type 5 (62 LF , 40' H)</b>				
728		5/8" Gypsum Board	SF	2480	5%	2604
729		3 5/8" Metal Stud @ 24" O.C (32 EA , 1280 LF)	SF	2480	5%	2604
730		R-11 Batt Insulation	SF	2480	5%	2604
731		3 5/8" Top And Bottom Runner	LF	124	5%	130
732		Sealant	LF	124	5%	130
		<b>Wall Type 5 (21 LF , 18'-6" H)</b>				
733		5/8" Gypsum Board	SF	389	5%	408
734		3 5/8" Metal Stud @ 24" O.C (11 EA , 212 LF)	SF	389	5%	408
735		R-11 Batt Insulation	SF	389	5%	408
736		3 5/8" Top And Bottom Runner	LF	42	5%	44
737		Sealant	LF	42	5%	44
		<b>Wall Type 5 (32 LF , 17'-0" H)</b>				
738		5/8" Gypsum Board	SF	544	5%	571
739		3 5/8" Metal Stud @ 24" O.C (17 EA , 289 LF)	SF	544	5%	571
740		R-11 Batt Insulation	SF	544	5%	571
741		3 5/8" Top And Bottom Runner	LF	64	5%	67
742		Sealant	LF	64	5%	67
		<b>Wall Type 5 (30 LF , 30'-0" H)</b>				
743		5/8" Gypsum Board	SF	900	5%	945
744		3 5/8" Metal Stud @ 24" O.C (16 EA , 480 LF)	SF	900	5%	945
745		R-11 Batt Insulation	SF	900	5%	945
746		3 5/8" Top And Bottom Runner	LF	60	5%	63
747		Sealant	LF	60	5%	63
		<b>Mezzanine Floor</b>				
		<b>Wall Type 2 (125 LF , 23'-0" H)</b>				
748		5/8" Gypsum Board	SF	5750	5%	6038
749		4" Metal Stud @ 16" O.C (94 EA , 2184 LF)	SF	2875	5%	3019
750		R-11 Sound Attenuation Batt Insulation	SF	2875	5%	3019
751		4" Top And Bottom Runner	LF	250	5%	263
752		Sealant	LF	250	5%	263
		<b>Wall Type 2 (189 LF , 30'-0" H)</b>				
753		5/8" Gypsum Board	SF	11340	5%	11907
754		4" Metal Stud @ 16" O.C (143 EA , 4293 LF)	SF	5670	5%	5954
755		R-11 Sound Attenuation Batt Insulation	SF	5670	5%	5954
756		4" Top And Bottom Runner	LF	378	5%	397
757		Sealant	LF	378	5%	397
		<b>Wall Type 2 (48 LF , 13'-6" H)</b>				
758		5/8" Gypsum Board	SF	1296	5%	1361
759		4" Metal Stud @ 16" O.C (37 EA , 504 LF)	SF	648	5%	680
760		R-11 Sound Attenuation Batt Insulation	SF	648	5%	680
761		4" Top And Bottom Runner	LF	96	5%	101
762		Sealant	LF	96	5%	101
		<b>Wall Type 2 (141 LF , 6'-0" H)</b>				
763		5/8" Gypsum Board	SF	1692	5%	1777
764		4" Metal Stud @ 16" O.C (107 EA , 642 LF)	SF	846	5%	888
765		R-11 Sound Attenuation Batt Insulation	SF	846	5%	888
766		4" Top And Bottom Runner	LF	282	5%	296
767		Sealant	LF	282	5%	296
		<b>Wall Type 2 (177 LF , 3'-6" H)</b>				
768		5/8" Gypsum Board	SF	1239	5%	1301
769		4" Metal Stud @ 16" O.C (134 EA , 469 LF)	SF	620	5%	651
770		R-11 Sound Attenuation Batt Insulation	SF	620	5%	651

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
771		4" Top And Bottom Runner	LF	354	5%	372
772		Sealant	LF	354	5%	372
		<b>Wall Type 5 (48 LF , 27'-6" H)</b>				
773		5/8" Gypsum Board	SF	1320	5%	1386
774		3 5/8" Metal Stud @ 24" O.C (25 EA , 687 LF)	SF	1320	5%	1386
775		R-11 Batt Insulation	SF	1320	5%	1386
776		3 5/8" Top And Bottom Runner	LF	96	5%	101
777		Sealant	LF	96	5%	101
		<b>Dining Hall</b>				
		<b>Wall Type IB (854 LF , 15' H)</b>				
778		5/8" Gypsum Board	SF	12810	5%	13451
779		6" Metal Stud @ 16" O.C (643 EA , 9646 LF)	SF	12810	5%	13451
780		R-19 Batt Insulation	SF	12810	5%	13451
781		6" Top And Bottom Runner	LF	1708	5%	1793
782		Sealant	LF	1708	5%	1793
		<b>Wall Type 5 (228 LF , 15' H)</b>				
783		5/8" Gypsum Board	SF	3420	5%	3591
784		3 5/8" Metal Stud @ 24" O.C (115 EA , 1725 LF)	SF	3420	5%	3591
785		R-11 Batt Insulation	SF	3420	5%	3591
786		3 5/8" Top And Bottom Runner	LF	456	5%	479
787		Sealant	LF	456	5%	479
		<b>Wall Type 3 (120 LF , 15' H)</b>				
788		5/8" Gypsum Board	SF	1800	5%	1890
789		Wonder Board Or Rudock W Building Paper	SF	1800	5%	1890
790		4" Metal Stud @ 24" O.C (61 EA , 915 LF)	SF	1800	5%	1890
791		R-11 Sound Attenuation Batt Insulation	SF	1800	5%	1890
792		4" Top And Bottom Runner	LF	240	5%	252
793		Sealant	LF	240	5%	252
		<b>Wall Type 3 (88 LF , 10'-6" H)</b>				
794		5/8" Gypsum Board	SF	924	5%	970
795		Wonder Board Or Rudock W Building Paper	SF	924	5%	970
796		4" Metal Stud @ 24" O.C (40 EA , 472 LF)	SF	924	5%	970
797		R-11 Sound Attenuation Batt Insulation	SF	924	5%	970
798		4" Top And Bottom Runner	LF	172	5%	181
799		Sealant	LF	172	5%	181
		<b>Wall Type 2 (700 LF , 12'-6" H)</b>				
800		5/8" Gypsum Board	SF	17500	5%	18375
801		4" Metal Stud @ 16" O.C (527 EA , 6591 LF)	SF	8750	5%	9188
802		R-11 Sound Attenuation Batt Insulation	SF	8750	5%	9188
803		4" Top And Bottom Runner	LF	1400	5%	1470
804		Sealant	LF	1400	5%	1470
		<b>Wall Type 2 (28 LF , 15' H)</b>				
805		5/8" Gypsum Board	SF	840	5%	882
806		4" Metal Stud @ 16" O.C (22 EA , 330 LF)	SF	420	5%	441
807		R-11 Sound Attenuation Batt Insulation	SF	420	5%	441
808		4" Top And Bottom Runner	LF	56	5%	59
809		Sealant	LF	56	5%	59
		<b>Wall Type (182 LF , 4'-6" H)</b>				
810		5/8" Gypsum Board	SF	1638	5%	1720
811		6" Metal Stud @ 16" O.C (137 EA , 620 LF)	SF	819	5%	860
812		R-19 Batt Insulation	SF	819	5%	860
813		6" Top And Bottom Runner	LF	364	5%	382
814		Sealant	LF	364	5%	382
		<b>Dharma Hall</b>				
		<b>First Floor</b>				
		<b>Wall Type IA (593 LF , 17' H)</b>				
815		5/8" Gypsum Board	SF	10081	5%	10585
816		6" Metal Stud @ 16" O.C (446 EA , 7596 LF)	SF	10081	5%	10585
817		R-19 Batt Insulation	SF	10081	5%	10585
818		6" Top And Bottom Runner	LF	1186	5%	1245
819		Sealant	LF	1186	5%	1245
		<b>Wall Type IA &amp; 3 (66 LF , 17' H)</b>				
820		Wonder Board Or Rudock W Building Paper	SF	1122	5%	1178
821		6" Metal Stud @ 16" O.C (50 EA , 860 LF)	SF	1122	5%	1178
822		R-19 Batt Insulation	SF	1122	5%	1178

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
823		6" Top And Bottom Runner	LF	132	5%	139
824		Sealant	LF	132	5%	139
		<b>Wall Type 2 (237 LF , 17' H)</b>				
825		5/8" Gypsum Board	SF	8058	5%	8461
826		4" Metal Stud @ 16" O.C (179 EA , 3046 LF)	SF	4029	5%	4230
827		R-11 Sound Attenuation Batt Insulation	SF	4029	5%	4230
828		4" Top And Bottom Runner	LF	474	5%	498
829		Sealant	LF	474	5%	498
		<b>Wall Type 5 (277 LF , 15' H)</b>				
830		5/8" Gypsum Board	SF	4155	5%	4363
831		3 5/8" Metal Stud @ 24" O.C (139 EA , 2092 LF)	SF	4155	5%	4363
832		R-11 Batt Insulation	SF	4155	5%	4363
833		3 5/8" Top And Bottom Runner	LF	554	5%	582
834		Sealant	LF	554	5%	582
		<b>Wall Type 2A (470 LF , 17' H)</b>				
835		5/8" Gypsum Board	SF	15980	5%	16779
836		4" Metal Stud @ 16" O.C (354 EA , 6024 LF)	SF	7990	5%	8390
837		R-11 Sound Attenuation Batt Insulation	SF	7990	5%	8390
838		4" Top And Bottom Runner	LF	940	5%	987
839		Sealant	LF	940	5%	987
		<b>Wall Type 3 (192 LF , 17' H)</b>				
840		5/8" Gypsum Board	SF	3264	5%	3427
841		Wonder Board Or Rudock W Building Paper	SF	3264	5%	3427
842		4" Metal Stud @ 24" O.C (97 EA , 1649 LF)	SF	3264	5%	3427
843		R-11 Sound Attenuation Batt Insulation	SF	3264	5%	3427
844		4" Top And Bottom Runner	LF	384	5%	403
845		Sealant	LF	384	5%	403
		<b>Wall Type 2A &amp; 3 (71 LF , 17' H)</b>				
846		5/8" Gypsum Board	SF	2414	5%	2535
847		Wonder Board Or Rudock W Building Paper	SF	1207	5%	1267
848		4" Metal Stud @ 16" O.C (54 EA , 924 LF)	SF	1207	5%	1267
849		R-19 Batt Insulation	SF	1207	5%	1267
850		4" Top And Bottom Runner	LF	142	5%	149
851		Sealant	LF	142	5%	149
		<b>Upper Floor</b>				
		<b>Wall Type IB (335 LF , 17' H)</b>				
852		5/8" Gypsum Board	SF	5695	5%	5980
853		6" Metal Stud @ 16" O.C (252 EA , 4298 LF)	SF	5695	5%	5980
854		R-19 Batt Insulation	SF	5695	5%	5980
855		6" Top And Bottom Runner	LF	670	5%	704
856		Sealant	LF	670	5%	704
		<b>Wall Type 5 (77 LF , 15' H)</b>				
857		5/8" Gypsum Board	SF	1155	5%	1213
858		3 5/8" Metal Stud @ 24" O.C (39 EA , 592 LF)	SF	1155	5%	1213
859		R-11 Batt Insulation	SF	1155	5%	1213
860		3 5/8" Top And Bottom Runner	LF	154	5%	162
861		Sealant	LF	154	5%	162
		<b>Wall Type 4B (21 LF , 15' H)</b>				
862		5/8" Gypsum Board	SF	630	5%	662
863		6" Metal Stud @ 24" O.C (11 EA , 172 LF)	SF	315	5%	331
864		R-11 Batt Insulation	SF	315	5%	331
865		6" Top And Bottom Runner	LF	42	5%	44
866		Sealant	LF	42	5%	44
		<b>Wall Type 2A (30 LF , 17' H)</b>				
867		5/8" Gypsum Board	SF	1020	5%	1071
868		4" Metal Stud @ 16" O.C (23 EA , 400 LF)	SF	510	5%	536
869		R-11 Sound Attenuation Batt Insulation	SF	510	5%	536
870		4" Top And Bottom Runner	LF	34	5%	36
871		Sealant	LF	34	5%	36
		<b>Women's Restroom</b>				
		<b>Wall Type IB (244 LF , 20' H)</b>				
872		5/8" Gypsum Board	SF	4880	5%	5124
873		6" Metal Stud @ 16" O.C (184 EA , 3689 LF)	SF	4880	5%	5124
874		R-19 Batt Insulation	SF	4880	5%	5124
875		6" Top And Bottom Runner	LF	488	5%	512

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
876		Sealant	LF	488	5%	512
		<b>Wall Type IB &amp; 3 (118 LF , 20' H)</b>				
877		Wonder Board Or Rudock W Building Paper	SF	2360	5%	2478
878		6" Metal Stud @ 16" O.C (89 EA , 1794 LF)	SF	2360	5%	2478
879		R-19 Batt Insulation	SF	2360	5%	2478
880		6" Top And Bottom Runner	LF	236	5%	248
881		Sealant	LF	236	5%	248
		<b>Wall Type 2A (66 LF , 12' H)</b>				
882		5/8" Gypsum Board	SF	1584	5%	1663
883		4" Metal Stud @ 16" O.C (50 EA , 607 LF)	SF	792	5%	832
884		R-11 Sound Attenuation Batt Insulation	SF	792	5%	832
885	Ae-2.2	4" Top And Bottom Runner	LF	132	5%	139
886	To	Sealant	LF	132	5%	139
	Af-6.1	<b>Wall Type 3 (160 LF , 12' H)</b>				
887		5/8" Gypsum Board	SF	1920	5%	2016
888		Wonder Board Or Rudock W Building Paper	SF	1920	5%	2016
889		4" Metal Stud @ 24" O.C (81 EA , 972 LF)	SF	1920	5%	2016
890		R-11 Sound Attenuation Batt Insulation	SF	1920	5%	2016
891		4" Top And Bottom Runner	LF	320	5%	336
892		Sealant	LF	320	5%	336
		<b>Wall Type 3A (30 LF , 12' H)</b>				
893		5/8" Gypsum Board	SF	360	5%	378
894		Wonder Board Or Rudock W Building Paper	SF	360	5%	378
895		6" Metal Stud @ 24" O.C (16 EA , 192 LF)	SF	360	5%	378
896		R-11 Sound Attenuation Batt Insulation	SF	360	5%	378
897		6" Top And Bottom Runner	LF	60	5%	63
898		Sealant	LF	60	5%	63
		<b>Men's Restroom</b>				
		<b>Wall Type IB (216 LF , 20' H)</b>				
899		5/8" Gypsum Board	SF	4320	5%	4536
900		6" Metal Stud @ 16" O.C (163 EA , 3268 LF)	SF	4320	5%	4536
901		R-19 Batt Insulation	SF	4320	5%	4536
902		6" Top And Bottom Runner	LF	432	5%	454
903		Sealant	LF	432	5%	454
		<b>Wall Type IB &amp; 3 (145 LF , 20' H)</b>				
904		Wonder Board Or Rudock W Building Paper	SF	2900	5%	3045
905		6" Metal Stud @ 16" O.C (110 EA , 2200 LF)	SF	2900	5%	3045
906		R-19 Batt Insulation	SF	2900	5%	3045
907		6" Top And Bottom Runner	LF	290	5%	305
908		Sealant	LF	290	5%	305
		<b>Wall Type 3A (54 LF , 12' H)</b>				
909		5/8" Gypsum Board	SF	648	5%	680
910		Wonder Board Or Rudock W Building Paper	SF	648	5%	680
911		6" Metal Stud @ 24" O.C (28 EA , 336 LF)	SF	648	5%	680
912		R-11 Sound Attenuation Batt Insulation	SF	648	5%	680
913		6" Top And Bottom Runner	LF	108	5%	113
914		Sealant	LF	108	5%	113
		<b>Wall Type 3 (127 LF , 12' H)</b>				
915		5/8" Gypsum Board	SF	1524	5%	1600
916		Wonder Board Or Rudock W Building Paper	SF	1524	5%	1600
917		4" Metal Stud @ 24" O.C (64 EA , 774 LF)	SF	1524	5%	1600
918		R-11 Sound Attenuation Batt Insulation	SF	1524	5%	1600
919		4" Top And Bottom Runner	LF	254	5%	267
920		Sealant	LF	254	5%	267
		<b>Wall Type 2A (90 LF , 12' H)</b>				
921		5/8" Gypsum Board	SF	2160	5%	2268
922		4" Metal Stud @ 16" O.C (648 EA , 824 LF)	SF	1080	5%	1134
923		R-11 Sound Attenuation Batt Insulation	SF	1080	5%	1134
924		4" Top And Bottom Runner	LF	180	5%	189
925		Sealant	LF	180	5%	189
		<b>Interior Finishes</b>				
		<b>Main Gate</b>				
		<b>Entry Gate</b>				
		<b>Floor Finish</b>				
926		Natural Stone Tile Flooring	SF	3297	5%	3462

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
		<b>Ceiling</b>				
927		GFRC Ceiling Panel (7/8" Stucco Finish)	SF	1660	5%	1743
		<b>Cloister Floor</b>				
		<b>Floor Finish</b>				
928		Natural Stone Tile Flooring	SF	10296	5%	10811
		<b>Column Finish</b>				
929		GFRC Panel	SF	13068	5%	13721
		<b>Bell Tower</b>				
		<b>1st Floor</b>				
		<b>Floor Finish</b>				
930		Sealed Concrete (As Required)	SF	215	5%	226
		<b>Wall Base</b>				
931		(4" H) Rubber Base (As Required)	LF	52	5%	55
		<b>Wall Finish</b>				
932		Wall Paint	SF	580	5%	609
933		GFRC Panel	SF	1056	5%	1109
		<b>Ceiling Finish</b>				
934		GFRC Panel Ceiling (7/8" Stucco Finish)	SF	490	5%	515
		<b>2nd Floor</b>				
		<b>Floor Finish</b>				
935		Sealed Concrete (As Required)	SF	215	5%	226
		<b>Wall Base</b>				
936		(4" H) Rubber Base (As Required)	LF	52	5%	55
		<b>Wall Finish</b>				
937		Wall Paint	SF	580	5%	609
938		GFRC Panel	SF	528	5%	554
		<b>Ceiling Finish</b>				
939		GFRC Panel Ceiling (7/8" Stucco Finish)	SF	354	5%	372
		<b>Drum Tower</b>				
		<b>1st Floor</b>				
		<b>Floor Finish</b>				
940		Sealed Concrete (As Required)	SF	215	5%	226
		<b>Wall Base</b>				
941		(4" H) Rubber Base (As Required)	LF	52	5%	55
		<b>Wall Finish</b>				
942		Wall Paint	SF	580	5%	609
943		GFRC Panel	SF	1056	5%	1109
		<b>Ceiling Finish</b>				
944		GFRC Panel Ceiling (7/8" Stucco Finish)	SF	490	5%	515
		<b>2nd Floor</b>				
		<b>Floor Finish</b>				
945		Sealed Concrete (As Required)	SF	215	5%	226
		<b>Wall Base</b>				
946		(4" H) Rubber Base (As Required)	LF	52	5%	55
		<b>Wall Finish</b>				
947		Wall Paint	SF	580	5%	609
948		GFRC Panel	SF	528	5%	554
		<b>Ceiling Finish</b>				
949		GFRC Panel Ceiling (7/8" Stucco Finish)	SF	354	5%	372
		<b>Floor Finishes</b>				
		<b>Buddha Hall</b>				
950		(24"x24") Stone Tile	SF	34574	5%	36303
951		(36"x36") Stone Tile	SF	17409	5%	18279
		<b>Dining</b>				
952		Quarry Tile	SF	7832	5%	8224
953		Ceramic Tile	SF	16123	5%	16929
954		SPC Tile	SF	1822	5%	1913
		<b>Dharma Hall</b>				
955		Ceramic Tile 2	SF	15783	5%	16572
956		Nat. Stone Tile	SF	11183	5%	11742

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
957		(24"x24") Stone Tile	SF	1007	5%	1057
958		Large Size Stone Tile	SF	253	5%	266
		<b>Women's Restroom</b>				
959		(36"x36") Stone Tile	SF	3272	5%	3436
960		(24"x24") Stone Tile	SF	3425	5%	3596
		<b>Men's Restroom</b>				
961		(36"x36") Stone Tile	SF	3251	5%	3414
962		(24"x24") Stone Tile	SF	3406	5%	3576
		<b>Wall Finishes</b>				
		<b>Buddha Hall</b>				
963		Paint @ Wall	SF	74093	5%	77798
		<b>Dining Hall</b>				
964		Paint @ Wall	SF	39457	5%	41430
965		(3'-6" H) Ceramic Tile Wainscot W Match Bull Nose	SF	735	5%	772
		<b>Dharma Hall</b>				
		<b>First Floor</b>				
966		Paint @ Wall	SF	40974	5%	43023
967		(3'-6" H) Ceramic Tile Wainscot W Match Bull Nose	SF	826	5%	867
		<b>Upper Floor</b>				
968		Paint @ Wall	SF	8500	5%	8925
		<b>Women's Restroom</b>				
969		Paint @ Wall	SF	6972	5%	7321
970		(3'-6" H) Ceramic Tile Wainscot W Match Bull Nose	SF	1715	5%	1801
		<b>Men's Restroom</b>				
971		Paint @ Wall	SF	7033	5%	7385
972		(3'-6" H) Ceramic Tile Wainscot W Match Bull Nose	SF	1834	5%	1926
		<b>Wall Base</b>				
		<b>Buddha Hall</b>				
973		6" Resilient Rubber Base	LF	1800	5%	1890
		<b>Dining Hall</b>				
974		Cove Base	LF	1370	5%	1439
975		Wood Base	LF	377	5%	396
976		6" Ceramic Tile Base	LF	387	5%	406
977		6" Resilient Rubber Base	LF	669	5%	702
		<b>Dharma Hall</b>				
978		6" Resilient Rubber Base	LF	1950	5%	2048
979		6" Ceramic Tile Base	LF	337	5%	354
		<b>Women's Restroom</b>				
980		6" Ceramic Tile Base	LF	488	5%	512
981		6" Resilient Rubber Base	LF	330	5%	347
		<b>Men's Restroom</b>				
982		6" Ceramic Tile Base	LF	493	5%	518
983		6" Resilient Rubber Base	LF	318	5%	334
		<b>Ceiling Finishes</b>				
		<b>Buddha Hall</b>				
984		GFRC Panel Ceiling (7/8" Stucco Finish)	SF	643	5%	675
985		2'x2' Acoustical T- Bar Ceiling Tile Armstrong Optima/ White	SF	10033	5%	10535
986		5/8" Gypsum Board Ceiling	SF	994	5%	1044
987		4'x4' T- Bar Ceiling Armstrong Optima/ White	SF	16096	5%	16901
		<b>Dining</b>				
988		GFRC Panel Ceiling (7/8" Stucco Finish)	SF	10953	5%	11501
989		8" High Soffit	SF	791	5%	831
990		GRFC Soffit Panels	SF	2583	5%	2712
991		5/8" Gypsum Board Ceiling	SF	920	5%	966
992		2x2 Armstrong OTIMA White T Bar Ceiling	SF	14012	5%	14713
		<b>Dharma Hall</b>				
		<b>First Floor</b>				
993		GFRC Panel Ceiling (7/8" Stucco Finish)	SF	160	5%	168
994		(2'x2') Armstrong Optima Ceiling W/ Grid	SF	10207	5%	10717
995		(4'x4') Armstrong Optima Ceiling W/ Grid	SF	3883	5%	4077
996		(5/8") Painted Gypsum Board Ceiling	SF	1028	5%	1079
		<b>Upper Floor</b>				
997		GFRC Panel Ceiling (7/8" Stucco Finish)	SF	1928	5%	2024

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
998		(4'x4') Armstrong Optima Ceiling W/ Grid	SF	4482	5%	4706
		<b>Women's Restroom</b>				
999		GFRC Panel Ceiling (7/8" Stucco Finish)	SF	1114	5%	1170
1000		2'x4' Armstrong Optima /White	SF	1886	5%	1980
1001		5/8" Gypsum Board Ceiling	SF	2652	5%	2785
		<b>Men's Restroom</b>				
1002		GFRC Panel Ceiling (7/8" Stucco Finish)	SF	1061	5%	1114
1003		2'x4' Armstrong Optima /White	SF	2070	5%	2174
1004		5/8" Gypsum Board Ceiling	SF	2381	5%	2500
		<b>Opening Finishes</b>				
		<b>Bell Tower</b>				
1005		Paint @ Door	SF	98	5%	103
1006		Paint @ Door Trim	LF	45	5%	47
1007		Paint @ Door Frame	LF	23	5%	24
		<b>Drum Tower</b>				
1008		Paint @ Door	SF	98	5%	103
1009		Paint @ Door Trim	LF	45	5%	47
1010		Paint @ Door Frame	LF	23	5%	24
		<b>Dining Hall</b>				
1011		Paint @ Door	SF	1026	5%	1077
1012		Paint @ Door Trim	LF	798	5%	838
1013		Paint @ Door Frame	LF	399	5%	419
		<b>Dharma Hall</b>				
1014		Paint @ Door	SF	1512	5%	1588
1015		Paint @ Door Trim	LF	1176	5%	1235
1016		Paint @ Door Frame	LF	588	5%	617
		<b>Exterior Finishes</b>				
		<b>Bell Tower</b>				
1017		(7/8") Stucco Finish	SF	1218	5%	1279
1018		Metal Lath	SF	1218	5%	1279
1019		Building Paper	SF	1218	5%	1279
		<b>Trim</b>				
1020		Door Trim	LF	23	5%	24
		<b>Drum Tower</b>				
1021		(7/8") Stucco Finish	SF	1218	5%	1279
1022		Metal Lath	SF	1218	5%	1279
1023		Building Paper	SF	1218	5%	1279
		<b>Trim</b>				
1024		Door Trim	LF	23	5%	24
		<b>Buddha Hall</b>				
1025		7/8" Stucco 3 Coat	SF	2642	5%	2774
1026		Ladder To Cat Walk	EA	4	0%	4
1027		1/2" Plywood Sheathing	SF	14467	5%	15190
1028		Self Furring Metal Lath	SF	14467	5%	15190
1029		26 Gage Galvanized Weep Screed	LF	790	5%	830
1030		7/8" Stucco 3 Coat W GFRC Panel	SF	11825	5%	12416
		<b>Dining Hall</b>				
1031		GFRC Wall Panel	SF	6393	5%	6713
1032		7/8" Stucco 3 Coat	SF	1521	5%	1597
1033		1/2" Plywood Sheathing	SF	7914	5%	8310
1034		Stucco Band @ Door Trim	LF	304	5%	319
1035		2 Layers grade D building Paper	SF	7914	5%	8310
1036		26 Gage Galvanized Weep Screed	LF	670	5%	704
1037		GFRC Panel W Stucco Band @ Widow Trim & Sill	LF	921	5%	967
		<b>Dharma Hall</b>				
1038		GFRC Wall Panel	SF	12444	5%	13066
1039		Self Furring Metal Lath	SF	12444	5%	13066
1040		1/2" Plywood Sheathing	SF	12444	5%	13066
1041		GFRC Band @ Door Trim	LF	552	5%	580
1042		2 Layers grade D building Paper	SF	12444	5%	13066
1043		26 Gage Galvanized Weep Screed	LF	732	5%	769
1044		GFRC Band @ Widow Trim & Sill	LF	1440	5%	1512
1045		Stucco Band @ Widow Trim & Sill	LF	503	5%	528

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1046		7/8" Stucco 3 Coat Cement Plaster On Paper Backed Metal Lath	SF	4704	5%	4939
		<b>Women's Restroom</b>				
1047		Attic Vent	EA	2	0%	2
1048		2" Vent Screen	EA	1	0%	1
1049		Self Furring Metal Lath	SF	6500	5%	6825
1050		1/2" Plywood Sheathing	SF	6500	5%	6825
1051		Stucco Band @ Door Trim	LF	304	5%	319
1052		2 Layers grade D building Paper	SF	6500	5%	6825
1053		26 Gage Galvanized Weep Screed	LF	367	5%	385
1054		7/8" Stucco 3 Coat W Alternate GFRC Wall Panel	SF	6500	5%	6825
1055		GFRC Panel W Stucco Band @ Widow Trim & Sill	LF	798	5%	838
		<b>Men's Restroom</b>				
1056		2" Vent Screen	EA	1	0%	1
1057		Self Furring Metal Lath	SF	6500	5%	6825
1058		1/2" Plywood Sheathing	SF	6500	5%	6825
1059		Stucco Band @ Door Trim	LF	304	5%	319
1060		2 Layers grade D building Paper	SF	6500	5%	6825
1061		26 Gage Galvanized Weep Screed	LF	367	5%	385
1062		7/8" Stucco 3 Coat W Alternate GFRC Wall Panel	SF	6500	5%	6825
1063		GFRC Panel W Stucco Band @ Widow Trim & Sill	LF	836	5%	878

### DIVISION 10- SPECIALTIES

<b>Buddha</b>						
1064		Countertop	SF	204	0%	204
1065		Movable PTN With Door	LF	502	0%	502
<b>Dining</b>						
1066		Countertop	SF	1273	0%	1273
1067		(6" Backsplash Tile	SF	70	0%	70
1068		(3' H) Urinal Partition	LF	3	0%	3
1069		(6' H) Toilet Partition W Door	LF	36	0%	36
1070		Walk In Freezer W Glass Door Access	LF	226	0%	226
<b>Bathroom Accessories</b>						
1071		36" Grab Bar	EA	6	0%	6
1072		42" Grab Bar	EA	6	0%	6
1073		Soap Dispenser	EA	7	0%	7
1074		Coat Hook	EA	1	0%	1
1075		(4'H x 1'-6" W ) P.P.G Mirror	EA	6	0%	6
1076		Toilet Tissue Dispenser (Double Roll)	EA	14	0%	14
1077		Toilet Seat Cover Dispenser ( Surface Mounted)	EA	6	0%	6
1078		(1/4" Thick, 12"Dia) Circle Toilet Sign For Women	EA	1	0%	1
1079		(1/4" Thick Equilateral Triangle, 12"Dia) Circle Toi	EA	5	0%	5
<b>Dharma Hall</b>						
1080		Countertop	SF	42	5%	44
1081		(3' H) Partition Urinal	LF	5	5%	5
1082		(6' H) Partition Toilet W Door	LF	80	5%	84
<b>Bathroom Accessories</b>						
1083		Coat Hook	EA	2	5%	2
1084		36" Grab Bar	EA	6	5%	6
1085		42" Grab Bar	EA	6	5%	6
1086		Soap Dispenser	EA	9	5%	9
1087		(30"x48") Accessible Sign	EA	6	5%	6
1088		(4'H x 1'-6" W ) P.P.G Mirror	EA	7	5%	7
1089		Toilet Tissue Dispenser (Double Roll)	EA	12	5%	13
1090		Toilet Seat Cover Dispenser ( Surface Mounted)	EA	10	5%	11
1091		(1/4" Thick, 12"Dia) Circle Toilet Sign For Women	EA	3	5%	3
1092		(1/4" Thick Equilateral Triangle, 12"Dia) Circle Toi	EA	4	5%	4
<b>Women's Restroom</b>						
1093		Countertop	SF	90	5%	95
1094		(6' H) Partition Toilet W Door	LF	202	5%	212
<b>Bathroom Accessories</b>						

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1095		Coat Hook	EA	2	5%	2
1096		(36" )Grab Bar	EA	4	5%	4
1097		(42" )Grab Bar	EA	4	5%	4
1098		Soap Dispenser	EA	20	5%	21
1099		(4'H x 5'W ) P.P.G Mirror	EA	4	5%	4
1100		(4'H x 1'-6" W ) P.P.G Mirror	EA	2	5%	2
1101		Toilet Tissue Dispenser (Double Roll)	EA	6	5%	6
1102		Toilet Seat Cover Dispenser ( Surface Mounted)	EA	29	5%	30
1103		(1/4" Thick, 12"Dia) Circle Toilet Sign For Women (1/4" Thick , 12" Diameter ) Circle W 4" Triangle For Unisex	EA	8	5%	8
		<b>Men's Restroom</b>				
1104		Countertop	SF	136	5%	143
1105		(3' H) Partition Urinal	LF	19	5%	20
1106		(6' H) Partition Toilet W Door	LF	105	5%	110
		<b>Bathroom Accessories</b>				
1107		Coat Hook	EA	2	5%	2
1108		36" Grab Bar	EA	5	5%	5
1109		42" Grab Bar	EA	5	5%	5
1110		Soap Dispenser	EA	17	5%	18
1111		(4'H x 1'-6" ) P.P.G Mirror	EA	5	5%	5
1112		Toilet Tissue Dispenser (Double Roll)	EA	19	5%	20
1113		Toilet Seat Cover Dispenser ( Surface Mounted)	EA	17	5%	18
1114		(1/4" Thick Equilateral Triangle, 12"Dia) Circle Toilet Sign For Men	EA	8	5%	8

### DIVISION 11- EQUIPMENT

		Equipment				
		Dining				
1115		Niche	EA	1	5%	1
1116		Thrash Can	EA	1	5%	1
1117		Vegetable Cutter	EA	1	5%	1
1118		Auto Stir Frying Machine	EA	2	5%	2
1119		(96"x26") Folding Table	EA	1	5%	1
1120		(40"x12") Stainless Steel Bench	EA	1	5%	1
1121		(18"x72") Double Deck Shelves	LF	96	5%	101
1122		(24"x36") Drop Hole Return Tray Shelf	LF	31	5%	33
1123		Laundry Machine W Laundry Dryer	EA	1	5%	1
1124		Drinking Dispenser	EA	1	5%	1
1125		(20"x78") Shelves Manuf: Metro Model: Wire Shelving	EA	99	5%	104
1126		(20"x108") Shelves Manuf: Metro Model: Wire Shelving	EA	1	5%	1
1127		(30"x84") Refrigerator Manuf: Traulsen Model: G10010	EA	1	5%	1
1128		(36"x30") Refrigerator Manuf: True Model: Tuc-36-hc	EA	1	5%	1
1129		Bowl Washing Manuf: San-Lav Model: A5a3f	EA	2	5%	2
1130		Dish Washing Manuf: San-Lav Model: A5a3f	EA	2	5%	2
1131		(16"x30"x34") Cart Storage Manuf: Lakeside Model: 710	EA	18	5%	19

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1132		(72"x32"x30") Work Top Freezer Manuf: Centerline Model: Cluc-72F	EA	6	5%	6
1133		Drinking Fountain & Bottle Fill Station Manuf: Elkay Model: Ezstl8wslk	EA	2	5%	2
1134		Food Counters Manuf: Vollrath Model: Signature Server	EA	12	5%	13
1135		Platform Scale Manuf: Defender 5000 Model: D52xw500wqv8	EA	1	5%	1
1136		Knife Sterilizer Cabinet Manuf: Helios Model: Ksuv-18	EA	4	5%	4
1137		Pot Washing Machine Manuf: Hobart Model: Pw20er	EA	1	5%	1
1138		New CounDishwasher Conveyor Manuf: Hobart Model:Cl44rn-20-48l-x	EA	1	5%	1
1139		(40"x144") Shelf	EA	1	5%	1
1140		Soy Milk Maker Manuf: Robot Coupe Model: J100	EA	1	5%	1
1141		Bakery Proofing Cabinet Manuf: Doyon Model: E236R	EA	1	5%	1
1142		Spiral Dough Mixer Manuf: Hobart Model: Hl600-1std	EA	2	5%	2
1143		Ice Machine Manuf: Manitowoc Model: lyt 1200A	EA	1	5%	1
1144		Multi Function Vegetable Cutting Machine Manuf: Robot Coupe Model: Cl55WS	EA	1	5%	1
1145		Peeler Manuf: Hobart Model: 6460m-1	EA	1	5%	1
1146		Dicer Manuf: Robot Coupe Model: Cl55ws	EA	1	5%	1
1147		Dicer Manuf: Robot Coupe Model: Cl52e	EA	1	5%	1
1148		Soup Pot Manuf: Crown/Middleby Model: Gl-40Fe	EA	2	5%	2
1149		Sandwitch Boiler Pot Manuf: Crown Model: Glt-60	EA	1	5%	1
1150		Washing Tap Manuf: T&S Brass Model: 5HR-3423-09-GH	EA	1	5%	1
1151		Food Steamer Manuf: Market Forge Model: Altair11-12	EA	2	5%	2
1152		Double Headed Wok Manuf: Imperial Model: icra-2	EA	3	5%	3

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1153		Commercial Range Manuf: Imperial Model: Ir-4	EA	1	5%	1
1154		Griddle Top Range W Oven Manuf: Vulcan Model: 36c-36gn	EA	2	5%	2
1155		Soup Pot Manuf: Imperial Model: 1SPA-18	EA	1	5%	1
1156		Rice Washing Machine Manuf: Tectongda Model: 44lb	EA	1	5%	1
1157		Rice Cookers Manuf: John Boobs Model: Per55asn	EA	3	5%	3
1158		Ice Storage Bins Manuf: Manitowoc Model: Iyt 1200A	EA	1	5%	1
1159		Water Filter Manuf: Pentair Everpure Model: Pf-i2000	EA	1	5%	1
1160		Combi Oven Manuf: Rational Model: Icp-6	EA	2	5%	2
1161		Deck Oven Manuf: Doyon ' Model: 2t3	EA	1	5%	1
1162		Undercounter Dishwasher Manuf: Hobart Model: Lxeh Hot	EA	1	5%	1
1163		Worktop W Freezer Manuf: True Model: Tuc-72-hc	EA	3	5%	3
1164		Refrigerator Manuf: Traulsen Model: G20010	EA	4	5%	4
1165		Freezer Manuf: Traulsen Model: G20010	EA	4	5%	4
1166		Juice Extractor Manuf: Robot Coupe Model: J-80	EA	1	5%	1
1167		Food Blender Manuf: Avamix Model: 928bx1grg	EA	1	5%	1

DIVISION 21- FIRE SUPPRESSION			DIVISION 21- FIRE SUPPRESSION			
		<b>Allownace For Sprinkler System</b>				
1168		Main Gate	SF	13600	0%	13600
1169		Bell Tower	SF	430	0%	430
1170		Drum Tower	SF	430	0%	430
1171		Buddha Hall	SF	38342	0%	38342
1172		Dining Hall	SF	27144	0%	27144
1173		Dharma Hall	SF	18394	0%	18394
1174		Women's Restroom	SF	6700	0%	6700
1175		Men's Restroom	SF	6700	0%	6700

DIVISION 22- PLUMBING						
		<b>Buddha Hall</b>				
		<b>Waste Pipes (Cast Iron/Galv.Steel Schedule 40)</b>				
1176		(2" Dia) Sanitary Pipe	LF	130	5%	137
1177		(2" Dia) Sanitary Pipe	LF	25	5%	26

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1178		(2" Dia) Vent Pipe	LF	370	5%	389
1179		(3" Dia) Sanitary Pipe	LF	75	5%	79
1180		(4" Dia) Sanitary Pipe	LF	60	5%	63
		<b>Domestic Pipes (Hard Drawn Copper Tube Type L)</b>				
1181		(1" Dia) Cold Water Pipe	LF	160	5%	168
1182		(1/2" Dia) Cold Water Pipe	LF	70	5%	74
1183		(1/2" Dia) Hot Water Pipe	LF	155	5%	163
		<b>Insulation</b>				
1184		(1.5" Thick) Pipe Insulation	LF	160	5%	168
1185		(1" Thick) Pipe Insulation	LF	225	5%	236
		<b>Connections</b>				
1186		Tee	EA	24	0%	24
1187		(45*) Bend	EA	9	0%	9
1188		(90*) Bend	EA	17	0%	17
		<b>Plumbing Fixtures</b>				
1189		Drinking Fountain	EA	1	0%	1
1190		(3" Dia) Floor Cleanout	EA	1	0%	1
1191		Bar Sink	EA	6	0%	6
1192		Electric Water Heater (10 GAL) Manuf: A O SMITH Model: DEL-10	EA	3	0%	3
1193		Thermal Expansion Tank (5 GAL) Manuf: AMTROL Model: THREM-X TROL	EA	3	0%	3
1194		Hand Sink (By Owner)	EA	1	0%	1
1195		Mop Sink W/ Non-Removeable Vacuumed Breaker	EA	1	0%	1
1196		(3/4" Dia) T&P Valve Drain	EA	1	0%	1
1197		(2" Dia) Wall Cleanout	EA	5	0%	5
1198		(2" Dia) Floor Drain W/ Trap Primer Manuf: JR-SMITH Model: 2005	EA	1	0%	1
1199		(1" Dia) Hose Bibb W/ Non-Removeable Vacuumed	EA	3	0%	3
1200		(1" Dia) Shut-Off Valve	EA	3	0%	3
1201		Floor Sink	EA	4	0%	4
1202		(2" Dia) VTR	EA	5	0%	5
		<b>Dinning Hall</b>				
		<b>Waste Pipes (Cast Iron/Galv.Steel Schedule 40)</b>				
1203		(1" Dia) Condensate Drain Pipe	LF	70	5%	74
1204		(1" Dia) Indirect Drain Pipe	LF	50	5%	53
1205		(2" Dia) FV Pipe	LF	145	5%	152
1206		(2" Dia) GS Pipe	LF	450	5%	473
1207		(2" Dia) Indirect Drain Pipe	LF	45	5%	47
1208		(2" Dia) Sanitary Pipe	LF	150	5%	158
1209		(2" Dia) Vent Pipe	LF	1475	5%	1549
1210		(3" Dia) GS Pipe	LF	110	5%	116
1211		(3" Dia) Sanitary Pipe	LF	315	5%	331
1212		(3" Dia) Vent Pipe	LF	20	5%	21
1213		(4" Dia) GS Pipe	LF	55	5%	58
1214		(4" Dia) Sanitary Pipe	LF	610	5%	641
		<b>Domestic Pipes (Hard Drawn Copper Tube Type L)</b>				
1215		(1" Dia) Cold Water Pipe	LF	230	5%	242
1216		(1" Dia) Hot Water Pipe	LF	180	5%	189
1217		(1/2" Dia) Cold Water Pipe	LF	370	5%	389
1218		(1/2" Dia) Cold Water Pipe UG	LF	85	5%	89
1219		(1/2" Dia) Hot Water Pipe	LF	130	5%	137
1220		(1-1/2" Dia) Cold Water Pipe	LF	115	5%	121
1221		(1-1/4" Dia) Hot Water Pipe	LF	150	5%	158
1222		(2" Dia) Cold Water Pipe	LF	305	5%	320
1223		(3/4" Dia) Cold Water Pipe	LF	205	5%	215
1224		(3/4" Dia) Hot Water Pipe	LF	295	5%	310
		<b>Gas Pipe (Schedule 40 Black Steel)</b>				
1225		(1-1/2" Dia) Gas Pipe	LF	20	5%	21
1226		(1-1/4" Dia) Gas Pipe	LF	105	5%	110
1227		(2" Dia) Gas Pipe	LF	80	5%	84

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1228		(2-1/2" Dia) Gas Pipe	LF	60	5%	63
1229		(3" Dia) Gas Pipe	LF	130	5%	137
		<b>Insulation</b>				
1230		(1.5" Thick) Pipe Insulation	LF	675	5%	709
1231		(2" Thick) Pipe Insulation	LF	305	5%	320
1232		(1" Thick) Pipe Insulation	LF	1085	5%	1139
		<b>Connections</b>				
1233		Tee	EA	158	0%	158
1234		(45*) Bend	EA	36	0%	36
1235		(90*) Bend	EA	77	0%	77
		<b>Plumbing Fixtures</b>				
1236		Drinking Fountain	EA	2	0%	2
1237		Full Grate Floor Sink Manuf: ZURN	EA	16	0%	16
1238		(2" Dia) Floor Cleanout	EA	4	0%	4
1239		(3" Dia) Floor Cleanout	EA	2	0%	2
1240		(2" Dia) Wall Cleanout	EA	23	0%	23
1241		Lavatory W/ Faucet	EA	4	0%	4
1242		ADA Lavatory	EA	3	0%	3
1243		(4" Dia) Floor Drain W/ Trap Primer Manuf: JR SMITH Model: 2005	EA	2	0%	2
1244		Water Closet, Flush Tank, Open Front Seat W/ Less	EA	4	0%	4
1245		ADA Water Closet, Flush Tank, Open Front Seat W/	EA	5	0%	5
1246		4 Compartment Sink W/ Faucet (By Owner)	EA	2	0%	2
1247		ADA Lavatory W/ Self Closing Faucet & Mixing Valv	EA	3	0%	3
1248		Electric Water Heater (20 GAL) Manuf: AO SMITH Model: DEL-20	EA	2	0%	2
1249		Thermal Expansion Tank (5 GAL) Manuf: AMTROL Model: THREM-X TROL	EA	3	0%	3
1250		Mop Sink W/ Non Removable Vacuumed Breaker (	EA	3	0%	3
1251		(3" Dia) Floor Drain W/ Trap Primer Manuf: JR SMITH Model: 2005	EA	3	0%	3
1252		Laundry Sink W/ Faucet (By Owner)	EA	2	0%	2
1253		(2" Dia) VTR	EA	10	0%	10
1254		3-Compartment Sink W/ Faucet & Garbage Dispos	EA	4	0%	4
1255		Half Grate Floor Sink Manuf: ZURN	EA	7	0%	7
1256		Hand Sink W/ Faucet (By Owner)	EA	6	0%	6
1257		(4" W) 8'/12' Full Grate Trench Drain Manuf: ZURN Model: Z884	EA	3	0%	3
1258		Gas Water Heater (100 GAL) Manuf: AO SMITH Model: BTH-199	EA	1	0%	1
1259		2-Compartment Sink W/ Faucet & Garbage Dispos	EA	3	0%	3
1260		(6" W) 20'/16' Full Grate Trench Drain Manuf: ZURN Model: Z884	EA	3	0%	3
1261		Washing Sink W/ Faucet (By Owner)	EA	1	0%	1
1262		(6" W) 20'/16' Full Grate Trench Drain Manuf: ZURN Model: Z884	EA	2	0%	2
1263		(4" W) 8'/12' Full Grate Trench Drain Manuf: ZURN Model: Z884	EA	2	0%	2

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1264		Hand Sink W/ Faucet (By Owner)	EA	1	0%	1
1265		Lavabo W/ Faucet (By Owner)	EA	2	0%	2
1266		(2" Dia) Floor Drain W/ Trap Primer Manuf: JR SMITH Model: 2005	EA	1	0%	1
1267		(4" Dia) Floor Cleanout	EA	2	0%	2
1268		ADA Urinal W/ Flush Valve	EA	4	0%	4
1269		(3" Dia) VTR	EA	1	0%	1
1270		4 Compartment Sink W/ Faucet (By Owner)	EA	1	0%	1
1271		Bar Sink W/ Faucet (By Owner)	EA	1	0%	1
1272		3 Compartment Sink W/ Faucet (By Owner)	EA	1	0%	1
1273		(3/4" Dia) Hose Bibb W/ Non Removable Vacuum Breaker	EA	2	0%	2
1274		(2" Dia) Shut-Off Valve	EA	3	0%	3
1275		(3" Dia) Insulation Valve	EA	1	0%	1
1276		(1/2" Dia) Shut-Off Valve	EA	4	0%	4
1277		(2" Dia) Hose Bibb W/ Non Removable Vacuum Breaker	EA	1	0%	1
1278		(1-1/4" Dia) Gas Cook	EA	7	0%	7
1279		(3/4" Dia) Shut-Off Valve	EA	3	0%	3
1280		(2" Dia) Gas Cook	EA	1	0%	1
1281		(1/2" Dia) Gas Cook	EA	3	0%	3
1282		(1" Dia) Gas Cook	EA	9	0%	9
1283		(1-1/2" Dia) Gas Cook	EA	1	0%	1
		<b>Dharma Hall</b>				
		<b>Waste Pipes (Cast Iron/Galv.Steel Schedule 40)</b>				
1284		(2" Dia) Sanitary Pipe	LF	70	5%	74
1285		(2" Dia) Vent Pipe	LF	310	5%	326
1286		(3" Dia) Sanitary Pipe	LF	60	5%	63
1287		(4" Dia) Sanitary Pipe	LF	340	5%	357
		<b>Domestic Pipes (Hard Drawn Copper Tube Type L)</b>				
1288		(1/2" Dia) Cold Water Pipe	LF	55	5%	58
1289		(1/2" Dia) Hot Water Pipe	LF	85	5%	89
1290		(1-1/2" Dia) Cold Water Pipe	LF	105	5%	110
1291		(1-1/4" Dia) Cold Water Pipe	LF	40	5%	42
1292		(2" Dia) Cold Water Pipe	LF	290	5%	305
1293		(2" Dia) Hot Water Pipe	LF	95	5%	100
1294		(3/4" Dia) Cold Water Pipe	LF	35	5%	37
1295		(3/4" Dia) Hot Water Pipe	LF	50	5%	53
		<b>Insulation</b>				
1296		(1.5" Thick) Pipe Insulation	LF	150	5%	158
1297		(2" Thick) Pipe Insulation	LF	385	5%	404
1298		(1" Thick) Pipe Insulation	LF	225	5%	236
		<b>Connections</b>				
1299		Tee	EA	59	0%	59
1300		(45*) Bend	EA	12	0%	12
1301		(90*) Bend	EA	16	0%	16
		<b>Plumbing Fixtures</b>				
1302		Water Closet, Flush Tank, Open Front Seat W/ Less	EA	6	0%	6
1303		ADA Water Closet, Flush Tank, Open Front Seat W/	EA	6	0%	6
1304		Urinal W/ Flush Valve	EA	3	0%	3
1305		ADA Urinal W/ Flush Valve	EA	1	0%	1
1306		Lavatory W/ Faucet	EA	4	0%	4
1307		ADA Lavatory W/ Faucet	EA	2	0%	2
1308		ADA Lavatory W/ Self Closing Faucet	EA	4	0%	4
1309		Hand Sink W/ Faucet (By Owner)	EA	1	0%	1
1310		Mop Sink W/ Non-Removable Vacuumed Breaker	EA	2	0%	2
1311		(2" Dia) Hose Bibb W/ Non-Removable Vacuum Breaker	EA	2	0%	2
1312		(4" Dia) Floor Drain W/ Trap Primer Manuf: JR SMITH Model: 2005	EA	2	0%	2
1313		(3" Dia) Floor Drain W/ Trap Primer Manuf: JR SMITH Model: 2005	EA	1	0%	1

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1314		Electric Water Heater (10 GAL) Manuf: AO SMITH Model: DEL-10	EA	3	0%	3
1315		Thermal Expansion Tank (5 GAL) Manuf: AMTROL Model: THREM-X TROL	EA	3	0%	3
1316		(2" Dia) Wall Cleanout	EA	12	0%	12
1317		(2" Dia) VTR	EA	7	0%	7
		<b>Men's Restroom</b>				
		<b>Waste Pipes (Cast Iron/Galv.Steel Schedule 40)</b>				
1318		(2" Dia) Sanitary Pipe	LF	105	5%	110
1319		(2" Dia) Vent Pipe	LF	350	5%	368
1320		(3" Dia) Sanitary Pipe	LF	180	5%	189
1321		(4" Dia) Sanitary Pipe	LF	270	5%	284
		<b>Domestic Pipes (Hard Drawn Copper Tube Type L)</b>				
1322		(1" Dia) Cold Water Pipe	LF	30	5%	32
1323		(1" Dia) Hot Water Pipe	LF	50	5%	53
1324		(1/2" Dia) Cold Water Pipe	LF	95	5%	100
1325		(1/2" Dia) Hot Water Pipe	LF	105	5%	110
1326		(1-1/2" Dia) Cold Water Pipe	LF	90	5%	95
1327		(2" Dia) Cold Water Pipe	LF	125	5%	131
1328		(3/4" Dia) Cold Water Pipe	LF	35	5%	37
1329		(3/4" Dia) Hot Water Pipe	LF	50	5%	53
		<b>Insulation</b>				
1330		(1.5" Thick) Pipe Insulation	LF	170	5%	179
1331		(2" Thick) Pipe Insulation	LF	125	5%	131
1332		(1" Thick) Pipe Insulation	LF	285	5%	299
		<b>Connections</b>				
1333		(45*) Bend	EA	21	0%	21
1334		Tee	EA	111	0%	111
1335		(90*) Bend	EA	14	0%	14
		<b>Plumbing Fixtures</b>				
1336		Water Closet, Flush Tank, Open Front Seat W/ Less	EA	12	0%	12
1337		ADA Water Closet, Flush Tank, Open Front Seat W/	EA	5	0%	5
1338		Urinal, Flash Valve	EA	13	0%	13
1339		ADA Urinal, Flash Valve	EA	2	0%	2
1340		Lavatory W/ Faucet	EA	12	0%	12
1341		ADA Lavatory W/ Faucet	EA	2	0%	2
1342		ADA Lavatory W/ Self Closing Faucet	EA	2	0%	2
1343		Hand Sink W/ Faucet (By Owner)	EA	2	0%	2
1344		Mop Sink W/ Non-Removable Vacuum Breaker & F	EA	2	0%	2
1345		(2" Dia) Hose Bibb W/ Non-Removable Vacuum Br	EA	2	0%	2
1346		(2" Dia) Floor Drain W/ Trap Primer Manuf: JR SMITH Model: 2005	EA	6	0%	6
1347		Electric Water Heater (20 GAL) Manuf: A O SMITH Model: DEL-20	EA	2	0%	2
1348		Thermal Expansion Tank (5 GAL) Manuf: AMTROL Model: THREM-X TROL	EA	2	0%	2
1349		(4" Dia) VTR	EA	1	0%	1
1350		(2" Dia) Wall Cleanout	EA	21	0%	21
1351		(2" Dia) Water Hammer Arrester	EA	4	0%	4
		<b>Women's Restroom</b>				
		<b>Waste Pipes (Cast Iron/Galv.Steel Schedule 40)</b>				
1352		(2" Dia) Sanitary Pipe	LF	75	5%	79
1353		(2" Dia) Vent Pipe	LF	330	5%	347
1354		(2-1/2" Dia) Vent Pipe	LF	205	5%	215
1355		(3" Dia) Sanitary Pipe	LF	55	5%	58
1356		(4" Dia) Sanitary Pipe	LF	350	5%	368
		<b>Domestic Pipes (Hard Drawn Copper Tube Type L)</b>				
1357		(1" Dia) Cold Water Pipe	LF	30	5%	32
1358		(1" Dia) Hot Water Pipe	LF	105	5%	110

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1359		(1/2" Dia) Cold Water Pipe	LF	180	5%	189
1360		(1/2" Dia) Hot Water Pipe	LF	120	5%	126
1361		(1-1/2" Dia) Cold Water Pipe	LF	60	5%	63
1362		(2" Dia) Cold Water Pipe	LF	245	5%	257
		<b>Insulation</b>				
1363		(1.5" Thick) Pipe Insulation	LF	195	5%	205
1364		(2" Thick) Pipe Insulation	LF	245	5%	257
1365		(1" Thick) Pipe Insulation	LF	300	5%	315
		<b>Connections</b>				
1366		(90*) Bend	EA	20	0%	20
1367		Tee	EA	120	0%	120
1368		(45*) Bend	EA	11	0%	11
		<b>Plumbing Fixtures</b>				
1369		Water Closet, Flush Tank, Open Front Seat W/ Less	EA	25	0%	25
1370		ADA Water Closet, Flush Tank, Open Front Seat W/	EA	2	0%	2
1371		Lavatory W/ Faucet	EA	16	0%	16
1372		ADA Lavatory	EA	3	0%	3
1373		Hand Sink W/ Faucet (By Owner)	EA	2	0%	2
1374		Mop Sink W/ Non-Removable Vacuum Breaker & F	EA	2	0%	2
1375		(2" Dia) Hose Bibb W/ Non-Removable Vacuum Br	EA	2	0%	2
1376		(2" Dia) Floor Drain W/ Trap Primer Manuf: JR SMITH Model: 2005	EA	5	0%	5
1377		Electrical Water Heater (20 GAL) Manuf: AO SMITH Model: DEL-20	EA	2	0%	2
1378		Thermal Expansion Tank (5 GAL) Manuf: AMTROL Model: THREM-X TROL	EA	2	0%	2
1379		(3" Dia) VTR	EA	4	0%	4
1380		(2" Dia) Wall Cleanout	EA	21	0%	21
1381		(2-1/2" Dia) Wall Cleanout	EA	12	0%	12
1382		(3" Dia) Wall Cleanout	EA	1	0%	1
1383		(3" Dia) Floor Cleanout	EA	1	0%	1
1384		(2" Dia) Water Hammer Arrester	EA	3	0%	3

### DIVISION 25- HVAC/MECHANICAL

		Buddha Hall				
		<b>Ducts</b>				
1385		(10" Dia) Flexible Duct	LF	115	5%	121
1386		(10" Dia) Round Duct	LF	360	5%	378
1387		(12" Dia) Flexible Duct	LF	45	5%	47
1388		(12" Dia) Round Duct	LF	405	5%	425
1389		(14" Dia) Flexible Duct	LF	15	5%	16
1390		(14" Dia) Round Duct	LF	335	5%	352
1391		(16" Dia) Round Duct	LF	50	5%	53
1392		(18" Dia) Round Duct	LF	120	5%	126
1393		(20" Dia) Round Duct	LF	35	5%	37
1394		(20"x20") Rectangular Duct	LF	120	5%	126
1395		(20"x8") Rectangular Duct	LF	55	5%	58
1396		(24"x24") Rectangular Duct	LF	110	5%	116
1397		(28"x28") Rectangular Duct	LF	195	5%	205
1398		(6" Dia) Flexible Duct	LF	20	5%	21
1399		(6" Dia) Round Duct	LF	25	5%	26
1400		(60"x20") Rectangular Duct	LF	245	5%	257
1401		(8" Dia) Flexible Duct	LF	30	5%	32
1402		(8" Dia) Round Duct	LF	165	5%	173
		<b>Connections</b>				
1403		Elbow W/ Turning Vanes	EA	4	0%	4
1404		Radius Elbow	EA	27	0%	27
1405		45* Elbow	EA	17	0%	17
1406		Duct Transition	EA	69	0%	69
		<b>HVAC Fixtures</b>				

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1407		Volume Damper	EA	80	0%	80
1408		(14"x14") Ceiling Diffuser	EA	12	0%	12
1409		(72"x24") Louver	EA	2	0%	2
1410		(24"x24") Ceiling Register	EA	6	0%	6
1411		(32"x8") Supply Diffuser	EA	8	0%	8
1412		(12"x12") Ceiling Diffuser	EA	28	0%	28
1413		(96"x18") Louver	EA	2	0%	2
1414		(8"x8") Ceiling Diffuser	EA	2	0%	2
1415		(6"x6") Ceiling Diffuser	EA	2	0%	2
1416		(8"x8") Return Register	EA	4	0%	4
1417		(14"x14") Return Register	EA	4	0%	4
1418		(10"x10") Ceiling Diffuser	EA	9	0%	9
1419		(16"x16") Ceiling Diffuser	EA	11	0%	11
1420		(18"x18") Ceiling Diffuser	EA	4	0%	4
1421		(16" Dia) Round Diffuser	EA	4	0%	4
1422		Split Heat Pump Unit (34200 BTUH) Manuf: CARRIER Model: 25HHA436A	EA	2	0%	2
1423		Fan Coil Unit W/ Drain Pan & Fully Insulated, Include Primary & Secondary Drain and Merv 13 Air Filter Manuf: CARRIER Model: FV4A-003	EA	2	0%	2
1424		Split Heat Pump Unit (55000 BTUH) Manuf: CARRIER Model: 5HHA460A	EA	2	0%	2
1425		Fan Coil Unit W/ Drain Pan & Fully Insulated, Include Primary & Secondary Drain and Merv 13 Air Filter Manuf: CARRIER Model: FV4A-006	EA	2	0%	2
1426		Split Heat Pump Unit (222000 BTUH) Manuf: CARRIER Model: 38AUQA25	EA	4	0%	4
1427		Air Handling Unit W/ Drain Pan & Fully Insulated, Include Primary & Secondary Drain and Merv 13 Air Filter Manuf: CARRIER Model: 40RUAA25	EA	4	0%	4
1428		Propeller Wall Fan W/ Galvanized Wall Housing, Bird Screen, Guard & Shutter & Electrically Interlocked W/ On-Off Switch Manuf: COOK	EA	9	0%	9
		<b>Dinning Hall</b>				
		<b>Ducts</b>				
1429		(10" Dia) Flexible Duct	LF	20	5%	21
1430		(10" Dia) Round Duct	LF	140	5%	147
1431		(12" Dia) Flexible Duct	LF	20	5%	21
1432		(12" Dia) Round Duct	LF	370	5%	389
1433		(14" Dia) Round Duct	LF	230	5%	242
1434		(16" Dia) Round Duct	LF	190	5%	200
1435		(18" Dia) Round Duct	LF	130	5%	137
1436		(20" Dia) Round Duct	LF	30	5%	32
1437		(22" Dia) Round Duct	LF	50	5%	53
1438		(24" Dia) Round Duct	LF	50	5%	53
1439		(24"x24") Rectangular Duct	LF	50	5%	53
1440		(30"x30") Rectangular Duct	LF	110	5%	116
1441		(6" Dia) Flexible Duct	LF	15	5%	16
1442		(6" Dia) Round Duct	LF	30	5%	32

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1443		(8" Dia) Flexible Duct	LF	15	5%	16
1444		(8" Dia) Round Duct	LF	70	5%	74
		<b>Connections</b>				
1445		Radius Elbow	EA	10	0%	10
1446		45* Elbow	EA	2	0%	2
1447		Duct Transition	EA	35	0%	35
1448		Duct Cap	EA	4	0%	4
		<b>HVAC Fixtures</b>				
1449		Volume Damper	EA	44	0%	44
1450		(8"x8") Ceiling Diffuser	EA	8	0%	8
1451		(12"x12") Ceiling Diffuser	EA	2	0%	2
1452		(14"x14") Ceiling Diffuser	EA	3	0%	3
1453		(10"x10") Ceiling Diffuser	EA	3	0%	3
1454		(14" Dia) Round Diffuser	EA	38	0%	38
1455		Rooftop Packaged Air Conditioner W/ Merv 13 Filter (73500 BTUH) Manuf: CARRIER Model: 48HCMA04	EA	1	0%	1
1456		Rooftop Packaged Air Conditioner W/ Merv 13 Filter (73500 BTUH) Manuf: CARRIER Model: 48HCMA06	EA	2	0%	2
1457		Rooftop Packaged Air Conditioner W/ Merv 13 Filter (146000 BTUH) Manuf: CARRIER Model: 48HCED14	EA	2	0%	2
1458		Rooftop Packaged Air Conditioner W/ Merv 13 Filter (232000 BTUH) Manuf: CARRIER Model: 48HCED24	EA	2	0%	2
1459		Make-Up Air Unit Manuf: CHAMPION Model: 4001DD	EA	4	0%	4
1460		Make-Up Air Unit Manuf: CHAMPION Model: 5000DD	EA	3	0%	3
1461		Kitchen Hood Exhaust Fan (Grease) Manuf: COOK Model: 180VH8B	EA	2	0%	2
1462		Kitchen Hood Exhaust Fan (Grease) Manuf: COOK Model: 180VH7B	EA	1	0%	1
1463		Kitchen Hood Exhaust Fan (Grease) Manuf: COOK Model: 210VH9B	EA	3	0%	3
1464		Kitchen Hood Exhaust Fan (Grease) Manuf: COOK Model: 150V3B	EA	1	0%	1
1465		Kitchen Hood Exhaust Fan (Grease) Manuf: COOK Model: 150V4B	EA	1	0%	1
		<b>Dharma Hall</b>				
		<b>Ducts</b>				
1466		(10" Dia) Flexible Duct	LF	120	5%	126
1467		(10" Dia) Round Duct	LF	345	5%	362
1468		(12" Dia) Flexible Duct	LF	20	5%	21

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1469		(12" Dia) Round Duct	LF	175	5%	184
1470		(14" Dia) Flexible Duct	LF	20	5%	21
1471		(14" Dia) Round Duct	LF	130	5%	137
1472		(16" Dia) Round Duct	LF	50	5%	53
1473		(18" Dia) Round Duct	LF	35	5%	37
1474		(20"x20") Rectangular Duct	LF	50	5%	53
1475		(20"x8") Rectangular Duct	LF	80	5%	84
1476		(24"x24") Rectangular Duct	LF	85	5%	89
1477		(28"x28") Rectangular Duct	LF	70	5%	74
1478		(6" Dia) Flexible Duct	LF	30	5%	32
1479		(6" Dia) Round Duct	LF	205	5%	215
1480		(8" Dia) Flexible Duct	LF	15	5%	16
1481		(8" Dia) Round Duct	LF	60	5%	63
		<b>Connections</b>				
1482		Radius Elbow	EA	42	0%	42
1483		45* Elbow	EA	10	0%	10
1484		Duct Transition	EA	53	0%	53
		<b>HVAC Fixtures</b>				
1485		Volume Damper	EA	54	0%	54
1486		(10"x10") Ceiling Diffuser	EA	46	0%	46
1487		(6"x6") Ceiling Diffuser	EA	4	0%	4
1488		(22"x22") Return Register	EA	3	0%	3
1489		(8"x8") Return Register	EA	4	0%	4
1490		(12"x12") Return Register	EA	3	0%	3
1491		(16"x16") Return Register	EA	4	0%	4
1492		(8"x8") Ceiling Diffuser	EA	5	0%	5
1493		(8"x8") Exhaust Register	EA	4	0%	4
1494		(18"x18") Return Register	EA	4	0%	4
1495		(36"x24") OSA Intake Louver W/ 1/2" Wire Mesh	EA	2	0%	2
1496		Variable Refrigerant Flow System W/ Isolator & 2" Deflection and Neoprene Pad (270000 BTUH) Manuf: MITSUBISHI Model: PURY-P240YSNU	EA	2	0%	2
1497		Fan Coil Unit W/ Primary & Secondary Drain and Merv 13 Filter Manuf: MITSUBISHI Model: PVFY-P18	EA	4	0%	4
1498		Fan Coil Unit W/ Primary & Secondary Drain and Merv 13 Filter Manuf: MITSUBISHI Model: PVFY-P24	EA	5	0%	5
1499		Fan Coil Unit W/ Primary & Secondary Drain and Merv 13 Filter Manuf: MITSUBISHI Model: PVFY-P54	EA	4	0%	4
1500		Fan Coil Unit W/ Primary & Secondary Drain and Merv 13 Filter Manuf: MITSUBISHI Model: PVFY-P18	EA	2	0%	2
1501		Fan Coil Unit W/ Primary & Secondary Drain and Merv 13 Filter Manuf: MITSUBISHI Model: PVFY-P36	EA	3	0%	3
1502		Ceiling Exhaust Fan W/ Wall Jack & Backdrafts Damper Manuf: COOK Model: GEMINI GC-240	EA	5	0%	5
1503		Duct Wall Cap	EA	2	0%	2
1504		Water Cooled Condensing Unit	EA	1	0%	1

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1505		Condensing Unit	EA	1	0%	1
<b>DIVISION 26- ELECTRICAL</b>						
<b>Buddha Hall</b>						
<b>Conduit &amp; Wiring</b>						
1506		1-1/4" Conduit-(4)#4+#8G Wire	LF	240	5%	252
1507		2" Conduit-(4)#1/0+#6G Wire	LF	30	5%	32
1508		3/4" Conduit-(3) #6+#10G Wire	LF	460	5%	483
1509		2-1/2" Conduit-(4)#250+#4G Wire	LF	240	5%	252
1510		3/4" Conduit-(3) #8+#10G Wire	LF	60	5%	63
1511		CAT 6 Cable @ Data Outlet	LF	110	5%	116
1512		2#12,1#12,CU,Gnd Wire @ Receptacle	LF	1680	5%	1764
1513		2#12,1#12,CU,Gnd Wire @ Lighting & Switch	LF	8265	5%	8678
<b>Power Fixtures</b>						
1514		Duplex Receptacle	EA	94	0%	94
1515		Fused Disconnect Switch (3P/30A)	EA	17	0%	17
1516		Fused Disconnect Switch (2P/30A)	EA	7	0%	7
1517		Fused Disconnect Switch (3P/60A)	EA	8	0%	8
1518		GFCI Convenience Outlet	EA	17	0%	17
1519		Double Duplex Receptacle	EA	1	0%	1
1520		Single Pole Toggle Switch	EA	2	0%	2
1521		Data Outlet	EA	7	0%	7
1522		Plywood Backboard	EA	1	0%	1
<b>Lighting Fixtures</b>						
1523		2'x2' Led Light Dimmable (44 Watt) Manuf: LITHONIA LIGHTING Model: 2BLT2 48L	EA	90	0%	90
1524		2'x2' Led Light Dimmable W/ 90 Min Battery Backup (44 Watt) Manuf: LITHONIA LIGHTING Model: 2BLT2 48L	EA	41	0%	41
1525		3-Way Dimmer Switch	EA	1	0%	1
1526		3-Way Switch	EA	6	0%	6
1527		8" Exterior Led Downlight (67 Watt) Manuf: LITHONIA LIGHTING Model: LDN8 27/80 LO8AR MVOLT	EA	78	0%	78
1528		8" Led Downlight Dimmable (92 Watt) Manuf: LITHONIA LIGHTING Model: LDN8 27/80 LO8AR MVOLT	EA	136	0%	136
1529		8" Led Downlight Dimmable W/ 90 Min Battery Backup (92 Watt) Manuf: LITHONIA LIGHTING Model: LDN8 27/80 LO8AR MVOLT	EA	45	0%	45
1530		Astronomical Time Switch For Lighting Control	EA	2	0%	2
1531		Dimmer Switch	EA	13	0%	13
1532		Exit Sign W/ 90 Mint Battery Backup (5 Watt) Manuf: LITHONIA LIGHTING Model: EDG 1REL	EA	20	0%	20
1533		Lighting Plug Load Control Power Pack (20A)	EA	54	0%	54
1534		Occupancy Sensor	EA	34	0%	34
1535		Photocell	EA	14	0%	14
1536		Single Pole Toggle Switch	EA	17	0%	17
<b>Riser Diagram</b>						
1537		Panel HA Volt: 480/277 Amps: 600	EA	1	0%	1
1538		Panel LA1 Volt: 280/120 Amps: 225	EA	1	0%	1

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1539		Panel LA2 Volt: 208/120 Amps: 225	EA	1	0%	1
1540		Panel HA1 Volt: 480/277 Amps: 250	EA	1	0%	1
1541		Panel LA1B Volt: 280/120 Amps: 125	EA	1	0%	1
1542		Panel LA2B Volt: 280/120 Amps: 125	EA	1	0%	1
1543		Circuit Breaker (20A/1P)	EA	52	0%	52
1544		Circuit Breaker (70A/3P)	EA	4	0%	4
1545		Circuit Breaker (250A/3P)	EA	1	0%	1
1546		Circuit Breaker (40A/3P)	EA	4	0%	4
1547		Circuit Breaker (20A/2P)	EA	7	0%	7
1548		Circuit Breaker (20A/3P)	EA	17	0%	17
1549		Allowance For Grounding	EA	2	0%	2
1550		Circuit Breaker (600A/3P)	EA	1	0%	1
1551		Transformer (45KVA)	EA	2	0%	2
1552		Circuit Breaker (150A/3P)	EA	2	0%	2
1553		Circuit Breaker (60A/3P)	EA	4	0%	4
		<b>Dinning Hall</b>				
		<b>Conduit &amp; Wiring</b>				
1554		2" Conduit-(4)#3/0+#6G Wire	LF	100	5%	105
1555		2" Conduit-(4)#3/0+#4G Wire	LF	20	5%	21
1556		1-1/4" Conduit-(3)#3+#8G Wire	LF	15	5%	16
1557		3" Conduit-(4)#350+#2G Wire	LF	180	5%	189
1558		3/4" Conduit-(3) #10+#10G Wire	LF	30	5%	32
1559		3/4" Conduit-(3) #8+#10G Wire	LF	60	5%	63
1560		3/4" Conduit-(3) #6+#10G Wire	LF	45	5%	47
1561		3/4" Conduit-(4) #10+#10G Wire	LF	15	5%	16
1562		3/4" Conduit-(4) #10+#8G Wire	LF	15	5%	16
1563		2#12,1#12,CU,Gnd Wire @ Receptacle	LF	1280	5%	1344
1564		2#12,1#12,CU,Gnd Wire @ Lighting & Switch	LF	5640	5%	5922
1565		Flex Metal Wire	LF	110	5%	116
		<b>Power Fixtures</b>				
1566		Duplex Receptacle	EA	20	0%	20
1567		Special Receptacle	EA	6	0%	6
1568		GFCI Convenience Outlet	EA	53	0%	53
1569		Telephone Backboard	EA	1	0%	1
1570		Fused Disconnect Switch (2P/30A)	EA	2	0%	2
1571		Fused Disconnect Switch (3P/30A)	EA	4	0%	4
1572		Fused Disconnect Switch (3P/60A)	EA	5	0%	5
1573		Fused Disconnect Switch (3P/100A)	EA	1	0%	1
1574		Junction Box	EA	18	0%	18
1575		Fused Disconnect Switch (2P/60A)	EA	1	0%	1
1576		Hood Light, Fan Control Station	EA	6	0%	6
1577		Astronomical Controller	EA	3	0%	3
1578		Single Pole Toggle Switch	EA	6	0%	6
		<b>Lighting Fixtures</b>				
1579		2'x2' Led Light Dimmable (44 Watt) Manuf: LITHONIA LIGHTING Model: 2BLT2 48L	EA	141	0%	141
1580		2'x2' Led Light Dimmable W/ 90 Min Battery Backup (44 Watt) Manuf: LITHONIA LIGHTING Model: 2BLT2 48L	EA	28	0%	28
1581		3-Way Dimmer Switch	EA	16	0%	16
1582		3-Way Switch	EA	4	0%	4
1583		6" Downlight (18 Watt) Manuf: LITHONIA LIGHTING Model: LDN6 40/10 LO6 AR 277	EA	9	0%	9

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1584		8" Exterior Led Downlight (67 Watt) Manuf: LITHONIA LIGHTING Model: LDN8 27/80 LO8AR MVOLT	EA	19	0%	19
1585		8" Led Downlight Dimmable (92 Watt) Manuf: LITHONIA LIGHTING Model: LDN8 27/80 LO8AR MVOLT	EA	59	0%	59
1586		8" Led Downlight Dimmable W/ 90 Min Battery Backup (92 Watt) Manuf: LITHONIA LIGHTING Model: LDN8 27/80 LO8AR MVOLT	EA	19	0%	19
1587		Astronomical Time Switch For Lighting Control	EA	2	0%	2
1588		Dimmer Switch	EA	7	0%	7
1589		Exit Sign W/ 90 Mint Battery Backup (5 Watt) Manuf: LITHONIA LIGHTING Model: EDG 1REL	EA	11	0%	11
1590		Lighting Plug Load Control Power Pack (20A)	EA	29	0%	29
1591		Occupancy Sensor	EA	17	0%	17
1592		Photocell	EA	8	0%	8
1593		Single Pole Toggle Switch	EA	7	0%	7
		<b>Roof</b>				
1594		WP Fused Disconnect Switch (3P/60A)	EA	4	0%	4
1595		WP,WR GFCI Convenience Outlet	EA	6	0%	6
1596		WP Fused Disconnect Switch (1P/30A)	EA	7	0%	7
1597		WP Fused Disconnect Switch (3P/30A)	EA	10	0%	10
1598		WP Fused Disconnect Switch (2P/30A)	EA	4	0%	4
		<b>Riser Diagram</b>				
1599		Panel HC Volt: 480/277 Amps: 600	EA	1	0%	1
1600		Panel LC1 Volt: 208/120 Amps: 225	EA	1	0%	1
1601		Panel LC2 Volt: 208/120 Amps: 225	EA	1	0%	1
1602		Panel HC1 Volt: 480/277 Amps: 400	EA	1	0%	1
1603		Panel LC1B Volt: 208/120 Amps: 225	EA	1	0%	1
1604		Panel LC2B Volt: 208/120 Amps: 225	EA	1	0%	1
1605		Circuit Breaker (300A/3P)	EA	1	0%	1
1606		Circuit Breaker (100A/3P)	EA	2	0%	2
1607		Circuit Breaker (20A/1P)	EA	82	0%	82
1608		Circuit Breaker (30A/2P)	EA	2	0%	2
1609		Circuit Breaker (25A/3P)	EA	1	0%	1
1610		Circuit Breaker (20A/3P)	EA	17	0%	17
1611		Circuit Breaker (45A/2P)	EA	1	0%	1
1612		Circuit Breaker (20A/2P)	EA	2	0%	2
1613		Circuit Breaker (600A/3P)	EA	1	0%	1
1614		Circuit Breaker (200A/3P)	EA	2	0%	2
1615		Circuit Breaker (40A/3P)	EA	7	0%	7
1616		Transformer (75KVA)	EA	2	0%	2
1617		Allowance For Grounding	EA	2	0%	2
1618		Circuit Breaker (60A/3P)	EA	1	0%	1
1619		Circuit Breaker (70A/3P)	EA	1	0%	1
1620		Circuit Breaker (45A/3P)	EA	1	0%	1
1621		Circuit Breaker (30A/3P)	EA	3	0%	3
		<b>Dharma Hall</b>				

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
		<b>Conduit &amp; Wiring</b>				
1622		1-1/4" Conduit-(4)#3+#8G Wire	LF	175	5%	184
1623		2" Conduit-(4)#3/0+#4G Wire	EA	15	0%	15
1624		CAT 6 Cable @ Data Outlet	LF	230	5%	242
1625		3/4" Conduit-(3) #10+#10G Wire	LF	90	5%	95
1626		2#12,1#12,CU,Gnd Wire @ Receptacle	LF	1350	5%	1418
1627		2#12,1#12,CU,Gnd Wire @ Lighting & Switch	LF	5220	5%	5481
		<b>Power Fixtures</b>				
1628		GFCI Convenience Outlet	EA	7	0%	7
1629		Duplex Receptacle	EA	80	0%	80
1630		Fused Disconnect Switch (2P/30A)	EA	4	0%	4
1631		Data Outlet	EA	15	0%	15
1632		Motor Starter Switch	EA	19	0%	19
1633		Fused Disconnect Switch (3P/30A)	EA	4	0%	4
1634		Special Receptacle	EA	1	0%	1
1635		Double Duplex Receptacle	EA	1	0%	1
1636		Plywood Backboard	EA	1	0%	1
		<b>Lighting Fixtures</b>				
1637		8" Exterior Led Downlight (67 Watt) Manuf: LITHONIA LIGHTING Model: LDN8 27/80 LO8AR MVOLT	EA	28	0%	28
1638		2'x2' Led Light Dimmable (44 Watt) Manuf: LITHONIA LIGHTING Model: 2BLT2 48L	EA	81	0%	81
1639		2'x2' Led Light Dimmable W/ 90 Min Battery Backup (44 Watt) Manuf: LITHONIA LIGHTING Model: 2BLT2 48L	EA	21	0%	21
1640		3-Way Dimmer Switch	EA	6	0%	6
1641		3-Way Switch	EA	10	0%	10
1642		4'x2' Led Light (67 Watt) Manuf: LITHONIA LIGHTING Model: 2BLT4 72L LP840 N100	EA	18	0%	18
1643		4'x2' Led Light W/ 90 Min Battery Backup (67 Watt) Manuf: LITHONIA LIGHTING Model: 2BLT4 72L LP840 N100	EA	6	0%	6
1644		6" Downlight (18 Watt) Manuf: LITHONIA LIGHTING Model: LDN6 40/10 LO6 AR 277	EA	10	0%	10
1645		8" Led Downlight Dimmable (92 Watt) Manuf: LITHONIA LIGHTING Model: LDN8 27/80 LO8AR MVOLT	EA	35	0%	35
1646		8" Led Downlight Dimmable W/ 90 Min Battery Backup (92 Watt) Manuf: LITHONIA LIGHTING Model: LDN8 27/80 LO8AR MVOLT	EA	11	0%	11
1647		Dimmer Switch	EA	14	0%	14
1648		Exit Sign W/ 90 Mint Battery Backup (5 Watt) Manuf: LITHONIA LIGHTING Model: EDG 1REL	EA	9	0%	9
1649		Lighting Plug Load Control Power Pack (20A)	EA	31	0%	31
1650		Occupancy Sensor	EA	33	0%	33
1651		Photocell	EA	6	0%	6
1652		Single Pole Toggle Switch	EA	10	0%	10
		<b>Riser Diagram</b>				
1653		Panel HB Volt: 480/277 Amps: 400	EA	1	0%	1

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1654		Panel LB Volt: 208/120 Amps: 225	EA	1	0%	1
1655		Panel LB1 Volt: 208/120 Amps: 125	EA	1	0%	1
1656		Panel LB1B Volt: 208/120 Amps: 125	EA	1	0%	1
1657		Circuit Breaker (20A/1P)	EA	34	0%	34
1658		Circuit Breaker (20A/2P)	EA	4	0%	4
1659		Circuit Breaker (100A/3P)	EA	2	0%	2
1660		Circuit Breaker (15A/2P)	EA	8	0%	8
1661		Circuit Breaker (25A/3P)	EA	4	0%	4
1662		Circuit Breaker (30A/2P)	EA	1	0%	1
1663		Circuit Breaker (15A/2P)	EA	12	0%	12
1664		Circuit Breaker (400A/3P)	EA	1	0%	1
1665		Circuit Breaker (200A/3P)	EA	1	0%	1
1666		Transformer (75KVA)	EA	1	0%	1
1667		Allowance For Grounding	EA	1	0%	1
		<b>Men's Restroom</b>				
		<b>Conduit &amp; Wiring</b>				
1668		3/4" Conduit-(3)#10+#10G Wire	LF	30	5%	32
1669		1-1/2" Conduit-(3)#1+#6G Wire	LF	10	5%	11
1670		2" Conduit-(4)#3/0+#4G Wire	LF	15	5%	16
1671		1-1/2" Conduit-(4)#1+#6G Wire	LF	100	5%	105
1672		2#12,1#12,CU,Gnd Wire @ Receptacle	LF	350	5%	368
1673		2#12,1#12,CU,Gnd Wire @ Lighting & Switch	LF	1400	5%	1470
		<b>Power Fixtures</b>				
1674		GFCI Convenience Outlet	EA	9	0%	9
1675		WP,WR GFCI Convenience Outlet	EA	2	0%	2
1676		Duplex Receptacle	EA	12	0%	12
1677		Fused Disconnect Switch (2P/30A)	EA	2	0%	2
1678		Fused Disconnect Switch (3P/100A)	EA	1	0%	1
		<b>Lighting Fixtures</b>				
1679		6" Downlight (18 Watt) Manuf: LITHONIA LIGHTING Model: LDN6 40/10 LO6 AR 277	EA	61	0%	61
1680		Single Pole Toggle Switch	EA	12	0%	12
1681		Occupancy Sensor	EA	20	0%	20
		<b>Riser Diagram</b>				
1682		Panel LE Volt: 208/120 Amps: 225	EA	1	0%	1
1683		Panel LE2 Volt: 208/120 Amps: 225	EA	1	0%	1
1684		Circuit Breaker (100A/3P)	EA	1	0%	1
1685		Circuit Breaker (20A/1P)	EA	8	0%	8
1686		Circuit Breaker (200A/3P)	EA	1	0%	1
1687		Transformer (75KVA)	EA	1	0%	1
1688		Allowance For Grounding	EA	1	0%	1
		<b>Women Restroom</b>				
		<b>Conduit &amp; Wiring</b>				
1689		3/4" Conduit-(3)#10+#10G Wire	LF	30	5%	32
1690		1-1/2" Conduit-(3)#1+#6G Wire	LF	10	5%	11
1691		2" Conduit-(4)#3/0+#4G Wire	LF	15	5%	16
1692		1-1/2" Conduit-(4)#1+#6G Wire	LF	100	5%	105
1693		2#12,1#12,CU,Gnd Wire @ Receptacle	LF	320	5%	336
1694		2#12,1#12,CU,Gnd Wire @ Lighting & Switch	LF	1250	5%	1313
		<b>Power Fixture</b>				
1695		Duplex Receptacle	EA	12	0%	12
1696		GFCI Convenience Outlet	EA	7	0%	7
1697		WP,WR GFCI Convenience Outlet	EA	2	0%	2
1698		Fused Disconnect Switch (2P/30A)	EA	2	0%	2

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage
1699		Fused Disconnect Switch (3P/100A)	EA	1	0%	1
		<b>Lighting Fixtures</b>				
1700		6" Downlight (18 Watt) Manuf: LITHONIA LIGHTING Model: LDN6 40/10 LO6 AR 277	EA	55	0%	55
1701		Single Pole Toggle Switch	EA	9	0%	9
1702		Occupancy Sensor	EA	19	0%	19
		<b>Riser Diagram</b>				
1703		Panel LD Volt: 208/120 Amps: 225	EA	1	0%	1
1704		Panel LD2 Volt: 208/120 Amps: 225	EA	1	0%	1
1705		Circuit Breaker (100A/3P)	EA	2	0%	2
1706		Circuit Breaker (20A/1P)	EA	8	0%	8
1707		Circuit Breaker (200A/3P)	EA	1	0%	1
1708		Transformer (75kVA)	EA	1	0%	1
1709		Allowance For Grounding	EA	1	0%	1

### DIVISION 27- DIVISION 27- INTEGRATED AUDIO/VISUAL SYSTEMS

<b>Allownce For Audiovisual System</b>						
1710		Main Gate	SF	13600	0%	13600
1711		Bell Tower	SF	430	0%	430
1712		Drum Tower	SF	430	0%	430
1713		Buddha Hall	SF	38342	0%	38342
1714		Dining Hall	SF	27144	0%	27144
1715		Dharma Hall	SF	18394	0%	18394
1716		Women's Restroom	SF	6700	0%	6700
1717		Men's Restroom	SF	6700	0%	6700

### DIVISION 28- ELECTRONIC SAFETY & SECURITY

<b>Allownace For Safety &amp; Security System</b>						
1718		Main Gate	SF	13600	0%	13600
1719		Bell Tower	SF	430	0%	430
1720		Drum Tower	SF	430	0%	430
1721		Buddha Hall	SF	38342	0%	38342
1722		Dining Hall	SF	27144	0%	27144
1723		Dharma Hall	SF	18394	0%	18394
1724		Women's Restroom	SF	6700	0%	6700
1725		Men's Restroom	SF	6700	0%	6700