

Meeting Minutes

Job: 14-24 Howard Elementary School
Location: 700 Howard Ave
Eugene, OR 97404

Meeting: Owner/Architect/GC # 1
Date: 12/10/14
Start Time: 9:00:00AM

Attendees

Attended

- | | |
|---|---|
| <input checked="" type="checkbox"/> Chomo Santana (Todd Construction, Inc.)
<input checked="" type="checkbox"/> Adam Davidson (PIVOT Architecture)
<input checked="" type="checkbox"/> Ben Brantley (Eugene School District 4j) | <input checked="" type="checkbox"/> David Haggard (Todd Construction, Inc.)
<input type="checkbox"/> John Stapleton (PIVOT Architecture) |
|---|---|

Item	Description	Responsible	Due Date	Closed
New Business				
0-1	Schedule 12/10 - Chomo submitted the Preliminary Project Schedule to the team. The primary concerns are: 1. The SS & SD at the NW corner of Sector A can't be installed until the structure is demoed. 2. The Building Demo shows starting on May 2nd for all the buildings. 3. The Envelope Testing is not shown in the schedule.	David Haggard	12/10/14	<input type="checkbox"/>
0-2	Safety/Security 12/10 - There has been theft on the site, a power cord was taken. The existing perimeter fence openings need to be closed up asap. The temporary fence is scheduled to be installed on December 11th. Ben is working with the neighbor on window screening concerns.	David Haggard	12/10/14	<input type="checkbox"/>
0-3	RFIs 12/10 - See attached RFI log dated 12/9/14. Structural Steel is the top priority. PR 004, 005, & 007 have been generated from the RFI responses.	Adam Davidson	12/10/14	<input type="checkbox"/>
0-4	CORs 12/10 - See attached COR log dated 12/9/14. PR 004, 005, & 007 have been generated by Pivot from the RFI responses.	Adam Davidson	12/10/14	<input type="checkbox"/>
0-5	Submittals 12/10 - See attached submittal log dated 12/9/14. Structural Steel submittals are the top priority. Pivot will post Todd Construction's submittal log on ShareFile.	Adam Davidson	12/10/14	<input type="checkbox"/>
0-6	Hot Items 12/10 - Need completed submittal review for all Civil related items. Need substitution request for gasketed PVC 3034 pipe. Need the onsite utility permits asap.	Adam Davidson	12/10/14	<input type="checkbox"/>
1-1	Permits 12/10 - Adam will contact the City to get an update on the Building Permit & Site Utility Permit. The Site Utility Permit is needed asap to avoid any delays with starting the underground utilities. This is a hot item.	Adam Davidson	12/10/14	<input type="checkbox"/>
1-2	Schedule of Values 12/10 - Chomo submitted a copy of the schedule of values to Ben at the meeting. Issue Closed.	Chomo Santana	12/10/14	<input checked="" type="checkbox"/>

Meeting Minutes

Job: 14-24 Howard Elementary School

Meeting: Owner/Architect/GC # 1

Item	Description	Responsible	Due Date	Closed
1-3	3rd Party Inspector 12/10 - Ben is in the process of hiring a 3rd Party Inspector that is ODOT certified for the ROW Utility & Road Work. Jackson Luck is scheduled to start the ROW work on December 22, 2014.	Ben Brantley	12/10/14	☐
1-4	New PM for 4J School District 12/10 - The new PM for the School District will commence after the holidays. The identity of the person is TBD.	Ben Brantley	1/5/15	☐
1-5	Landscape Subcontractor Change 12/10 - Chomo informed the team of the contractual issue with AEC not willing to sign their Subcontract. AEC was listed on the First-Tier Subcontractor Disclosure Form. AEC has taken exception to the Subcontract and has informed Todd Construction they do not have the landscape scope covered in its entirety per plan and specification. Todd Construction will be switching to TruGreen LandCare per ORS Statute 279C.585.	Chomo Santana	12/10/14	☐

Meeting adjourned at 11:00.

Next meeting at 9:00:00AM on Wednesday, December 17, 2014.

The preceding is assumed to be a complete and correct account of the items discussed, directions given, and conclusions drawn, unless this office is notified to the contrary by the next regular meeting. If no notification is received, these minutes will be deemed an accurate account of the meeting.

Prepared by: Chomo Santana

Copy To: Brent Schafer (Todd Construction, Inc.)

Howard Elementary School - Preliminary Construction Schedule 12/3/14

ID	Task Name	Cal ID	Dur	Rem Dur	Early Start	Early Finish	Predecessors	Successors
1	Howard Elementary School	7D	642 d	642 d	Mon 11/3/14	Wed 8/17/16		
2	Sector A	7D	325 d	325 d	Thu 1/15/15	Wed 12/9/15		
3	Structural	7D	165 d	165 d	Mon 6/29/15	Mon 6/29/15		
4	Underground plumbing (excludes kitchen)	5D	10 d	10 d	Mon 1/19/15	Fri 1/30/15	114.5, 25SS	1/15
5	Fire riser under footing	5D	14 d	14 d	Mon 2/2/15	Mon 2/2/15	7, 6SS	1/15
6	Underground electrical (excludes kitchen)	5D	15 d	15 d	Tue 2/3/15	Mon 2/23/15	9, 26SS	1/15
7	F & P footings	5D	5 d	5 d	Tue 2/24/15	Mon 2/23/15	8, 116	1/15
8	CMU to FF	5D	5 d	5 d	Fri 2/27/15	Mon 3/2/15	11	1/15
9	Vapor barrier & rebar	5D	5 d	5 d	Fri 2/27/15	Thu 2/26/15	10, 27SS	1/15
10	Radiant slab piping	5D	5 d	5 d	Thu 3/5/15	Mon 3/9/15	12	1/15
11	Slab edge form	5D	5 d	5 d	Tue 3/3/15	Mon 3/9/15	12	1/15
12	Place & finish SOG (excludes kitchen)	5D	5 d	5 d	Tue 3/10/15	Mon 3/16/15	11, 10	1/15
13	HM frames	5D	3 d	3 d	Thu 3/19/15	Thu 3/19/15	12, 28	1/15
14	CMU to TOW	5D	40 d	40 d	Tue 3/17/15	Mon 5/11/15	12, 13SS	1/15
15	Steel, joists & decking	5D	12 d	12 d	Fri 5/29/15	Mon 6/15/15	21, 11, 14	1/15
16	Wall framing & shig	5D	5 d	5 d	Tue 6/16/15	Mon 6/22/15	15	1/15
17	Mechanical Platform	7D	14 d	14 d	Tue 6/16/15	Mon 6/22/15	15	1/15
18	Safety barriers & access	5D	2 d	2 d	Tue 6/16/15	Mon 6/29/15	19	1/15
19	MEP sleeves & conduit	5D	2 d	2 d	Thu 6/18/15	Fri 6/19/15	18	1/15
20	Rebar & mesh	5D	2 d	2 d	Mon 6/22/15	Tue 6/23/15	19	1/15
21	Pour SOG	5D	2 d	2 d	Wed 6/24/15	Thu 6/25/15	20	1/15
22	Set AHU before roof decking	5D	2 d	2 d	Fri 6/26/15	Mon 6/29/15	21	1/15
23	Kitchen	7D	57 d	57 d	Thu 1/15/15	Thu 3/12/15	22	1/15
24	KEC u-ground & slab recess shop dwgs	5D	2 d	2 d	Thu 1/15/15	Fri 1/16/15	482	1/15
25	Underground plumbing	5D	10 d	10 d	Mon 1/19/15	Fri 1/30/15	24, 4SS	1/15
26	Underground electrical	5D	5 d	5 d	Mon 2/2/15	Fri 2/2/15	25, 4	1/15
27	Vapor barrier & rebar	5D	3 d	3 d	Fri 2/20/15	Tue 2/24/15	25, 6SS	1/15
28	Place & finish SOG	7D	76 d	76 d	Tue 3/10/15	Thu 3/12/15	27, 12SS	1/15
29	Roof tie-off anchors	5D	2 d	2 d	Tue 6/16/15	Wed 6/17/15	15	1/15
30	Skylights	5D	2 d	2 d	Tue 6/16/15	Wed 6/17/15	15	1/15
31	Weather barrier	5D	15 d	15 d	Thu 6/18/15	Wed 7/8/15	15, 31	1/15
32	Metal roofing girls/insulation	5D	35 d	35 d	Thu 7/9/15	Wed 8/26/15	16, 30	1/15
33	Aluminum storefront	5D	15 d	15 d	Thu 7/9/15	Wed 7/29/15	32	1/15
34	Phenolic rainscreen	5D	10 d	10 d	Thu 7/9/15	Wed 7/29/15	32	1/15
35	Louvers	5D	3 d	3 d	Thu 7/9/15	Wed 7/29/15	32	1/15
36	Cedar siding	5D	15 d	15 d	Thu 7/9/15	Mon 7/13/15	32	1/15
37	Metal wall panels girls/insulation	5D	25 d	25 d	Thu 7/9/15	Wed 7/29/15	32	1/15
38	Metal soffit	5D	15 d	15 d	Thu 8/13/15	Wed 8/12/15	32	1/15
39	Interior finishes	7D	174 d	174 d	Tue 6/16/15	Wed 9/21/15	34, 35, 36, 37, 38	1/15
40	Building in the dry	5D	1 d	1 d	Thu 7/9/15	Thu 7/9/15	32	1/15
41	HVAC OH rgh-in	5D	10 d	10 d	Fri 7/10/15	Thu 7/23/15	41	1/15
42	Fire sprinkler OH rgh-in	5D	10 d	10 d	Fri 7/10/15	Thu 7/23/15	41	1/15
43	Plumbing OH rgh-in	5D	10 d	10 d	Fri 7/10/15	Thu 7/23/15	41	1/15
44	Electrical & low voltage overhead rgh-in	5D	10 d	10 d	Fri 7/10/15	Thu 7/23/15	41	1/15
45	Interior wall framing	5D	8 d	8 d	Fri 7/10/15	Thu 7/23/15	41	1/15
46	Electrical & low voltage wall rgh-in	5D	10 d	10 d	Wed 8/5/15	Tue 8/18/15	44, 45	1/15
47	Plumbing wall rgh-in	5D	10 d	10 d	Wed 8/5/15	Tue 8/18/15	44	1/15
48	Gyp board hang & tape	5D	15 d	15 d	Wed 8/19/15	Wed 9/9/15	47, 48	1/15
49	Paint	5D	8 d	8 d	Thu 9/10/15	Mon 9/21/15	49, 33, 39	1/15
50	Gym	7D	152 d	152 d	Thu 7/9/15	Wed 12/9/15	50	1/15
51	Pressure wash & seal CMU	5D	5 d	5 d	Thu 7/9/15	Wed 7/15/15	50	1/15
52	Frame, gyp & tape South Op partition walls	5D	8 d	8 d	Thu 7/16/15	Mon 7/27/15	52, 14	1/15
53	OH fire sprinkler	5D	8 d	8 d	Tue 7/28/15	Thu 8/6/15	53	1/15
54	OH conduit	5D	15 d	15 d	Fri 8/7/15	Thu 8/27/15	54	1/15
55	OH duct work	5D	15 d	15 d	Fri 8/7/15	Thu 8/27/15	54	1/15
56	OH duct work	5D	15 d	15 d	Fri 8/28/15	Fri 9/18/15	55	1/15
57	Climbing wall	5D	3 d	3 d	Mon 9/21/15	Tue 9/29/15	56	1/15
58	Basketball backstop supports	5D	3 d	3 d	Wed 9/30/15	Fri 10/2/15	57	1/15
59	Roller shades	5D	3 d	3 d	Wed 9/30/15	Fri 10/2/15	57	1/15
60	Roller shades	5D	3 d	3 d	Wed 9/30/15	Fri 10/2/15	57	1/15

Project: Howard Elementary School
Date: December 3, 2014

Task
Critical Task
Milestone
Summary

Task
Critical Task
Milestone
Summary

Roll Up Task
Roll Up Critical Task
Roll Up Milestone
Roll Up Progress

External Tasks
Project Summary
Group By Summary

Split
External Tasks
Project Summary

Inactive Milestone
Inactive Summary
Manual Task
Duration-only

Manual Summary
Start-only
Finish-only

Manual Summary
Manual Summary
Start-only
Finish-only

External Milestone
External Milestone
Progress
Deadline

Howard Elementary School - Preliminary Construction Schedule 12/3/14

ID	Task Name	2015				2016									
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Cal ID	Dur	Item	Start	Finish	Predecessors	Successors									
61	5D	2d	Wed 9/30/15	Thu 10/1/15	57	62									
62	5D	5d	Fri 10/2/15	Thu 10/8/15	61	63									
63	5D	3d	Fri 10/9/15	Tue 10/13/15	62	64									
64	5D	10d	Wed 10/14/15	Tue 10/27/15	63,58,59,60,80	65									
65	5D	10d	Wed 10/28/15	Tue 11/10/15	64	66									
66	5D	10d	Wed 11/11/15	Tue 11/24/15	65	67									
67	5D	5d	Wed 11/25/15	Wed 12/2/15	66	68									
68	5D	5d	Thu 12/3/15	Wed 12/9/15	67	69									
69	7D	55d	Thu 12/10/15	Wed 12/16/15	68	70									
70	5D	5d	Thu 12/17/15	Wed 12/23/15	69	71									
71	5D	2d	Thu 12/24/15	Thu 12/24/15	70	72									
72	5D	5d	Mon 7/27/15	Fri 7/31/15	71	73									
73	5D	8d	Mon 8/3/15	Wed 8/12/15	72	74									
74	5D	3d	Tue 8/18/15	Mon 8/17/15	73	75									
75	5D	2d	Tue 8/20/15	Wed 8/26/15	74	76									
76	5D	5d	Thu 8/27/15	Wed 9/3/15	75	77									
77	5D	2d	Thu 9/7/15	Fri 9/12/15	76	78									
78	5D	2d	Thu 9/14/15	Fri 9/19/15	77	79									
79	5D	2d	Fri 9/25/15	Wed 9/30/15	78	80									
80	5D	2d	Tue 10/6/15	Fri 10/30/15	79	81									
81	5D	135d	Tue 6/16/15	Thu 6/18/15	16SS	82									
82	5D	3d	Tue 6/16/15	Thu 6/18/15	81	83									
83	5D	10d	Fri 6/19/15	Thu 7/2/15	82	84									
84	5D	8d	Thu 8/27/15	Tue 9/15/15	83	85									
85	5D	4d	Wed 9/9/15	Mon 9/14/15	84	86									
86	5D	2d	Tue 9/15/15	Wed 9/16/15	85	87									
87	5D	2d	Thu 9/17/15	Fri 9/18/15	86	88									
88	5D	5d	Mon 9/21/15	Fri 9/25/15	87	89									
89	5D	2d	Mon 9/28/15	Tue 9/29/15	88	90									
90	5D	5d	Mon 9/28/15	Fri 10/2/15	89	91									
91	5D	5d	Mon 9/28/15	Fri 10/2/15	90	92									
92	5D	8d	Tue 9/22/15	Mon 10/12/15	91	93									
93	5D	10d	Mon 10/5/15	Fri 10/16/15	92	94									
94	5D	15d	Mon 10/12/15	Fri 10/30/15	93	95									
95	7D	37d	Tue 9/22/15	Wed 10/28/15	94	96									
96	5D	7d	Tue 9/22/15	Wed 9/30/15	95	97									
97	5D	5d	Thu 10/1/15	Wed 10/7/15	96	98									
98	5D	5d	Thu 10/8/15	Wed 10/14/15	97	99									
99	5D	5d	Thu 10/15/15	Wed 10/21/15	98	100									
100	5D	5d	Thu 10/22/15	Wed 10/28/15	99	101									
101	5D	6d	Tue 9/22/15	Tue 9/29/15	100	102									
102	5D	10d	Wed 9/30/15	Tue 10/13/15	101	106									
103	5D	10d	Wed 9/30/15	Tue 10/13/15	101	106									
104	5D	10d	Wed 9/30/15	Tue 10/13/15	101	106									
105	5D	10d	Wed 9/30/15	Tue 10/13/15	101	106									
106	5D	2d	Wed 10/14/15	Thu 10/22/15	105	107									
107	5D	5d	Fri 10/16/15	Thu 10/22/15	106	108									
108	5D	5d	Fri 10/23/15	Mon 10/26/15	107	109									
109	5D	2d	Fri 10/23/15	Mon 10/26/15	108	110									
110	5D	5d	Tue 11/3/15	Mon 11/9/15	109	111									
111	5D	5d	Tue 11/10/15	Mon 11/16/15	110	112									
112	7D	286d	Mon 2/2/15	Mon 11/17/15	111	113									
113	7D	140d	Mon 2/2/15	Mon 6/22/15	112	114									
114	5D	8d	Mon 2/2/15	Wed 2/11/15	113	115									
115	5D	8d	Thu 2/12/15	Mon 2/23/15	114	116									
116	5D	12d	Tue 2/24/15	Wed 3/11/15	115	117									
117	5D	5d	Thu 3/12/15	Wed 3/18/15	116	118									
118	5D	5d	Thu 3/19/15	Wed 3/25/15	117	119									
119	5D	5d	Thu 3/26/15	Wed 4/1/15	118	120									
120	5D	15d	Thu 4/16/15	Wed 5/6/15	119	121,123,124,21,304,33									

Task Legend:
 Task
 Critical Task
 Milestone
 Summary

Rollup Legend:
 Rolled Up Task
 Rolled Up Milestone
 Rolled Up Progress

Summary Legend:
 Inactive Milestone
 Inactive Summary
 Manual Task
 Duration-only

External Legend:
 Manual Summary Rollup
 Manual Summary
 Start-only
 Finish-only

Task Bar Legend:
 External Tasks
 External Milestone
 Progress
 Deadline

Howard Elementary School - Preliminary Construction Schedule 12/3/14

ID	Task Name	Cal ID	Dur	Rem Dur	Early Start	Early Finish	Predecessors	Successors
121	Exterior wall framing & shg	7D	27 d		Mon 6/22/15	120,336		212,SS+15 d
122	Exterior finishes	7D	109 d	109 d	Thu 5/14/15	Tue 8/25/15		
123	Roof tie-off anchors	5D	5 d	5 d	Thu 5/7/15	Wed 5/13/15	120	125
124	Skylights	5D	5 d	5 d	Thu 5/7/15	Wed 5/13/15	120	125
125	Weather barrier	5D	10 d	10 d	Thu 5/14/15	Thu 5/28/15	123,124	126,135,317
126	Metal roofing girts/insulation	5D	13 d	13 d	Fri 5/29/15	Tue 6/16/15	125	143,127
127	Brick veneer	5D	17 d	17 d	Wed 6/17/15	Thu 7/9/15	126	130,131,128,129
128	Cedar siding	5D	10 d	10 d	Fri 7/10/15	Thu 7/30/15	127	133
129	Aluminum storefront	5D	15 d	15 d	Fri 7/10/15	Thu 7/30/15	127	133
130	Phenolic rainscreen	5D	18 d	18 d	Fri 7/10/15	Thu 7/30/15	127	133
131	Metal wall panels girts/insulation	5D	18 d	18 d	Fri 7/10/15	Thu 7/30/15	127	133
132	Louvers	5D	5 d	5 d	Wed 8/5/15	Tue 8/11/15	131	133
133	Metal soffit	5D	5 d	5 d	Wed 8/5/15	Tue 8/11/15	131	133
134	Interior finishes	7D	167 d	167 d	Tue 6/2/15	Tue 11/17/15		145
135	Building in the dry	5D	1 d	1 d	Tue 6/2/15	Tue 6/2/15	125,308	136,137,138,139
136	HVAC OH rgh-in	5D	15 d	15 d	Wed 6/3/15	Tue 6/23/15	135	140
137	Fire sprinkler OH rgh-in	5D	15 d	15 d	Wed 6/3/15	Tue 6/23/15	135	140
138	Plumbing OH rgh-in	5D	15 d	15 d	Wed 6/3/15	Tue 6/23/15	135	140
139	Electrical & low voltage OH rgh-in	5D	15 d	15 d	Wed 6/3/15	Tue 6/23/15	135	140
140	Interior wall framing	5D	8 d	8 d	Wed 6/24/15	Fri 7/3/15	136,137,138,139	141,142
141	Electrical & low voltage wall rgh-in	5D	15 d	15 d	Mon 7/6/15	Fri 7/24/15	140	143
142	Plumbing wall rgh-in	5D	9 d	9 d	Mon 7/6/15	Fri 7/24/15	140	143
143	Hang drywall	5D	10 d	10 d	Mon 7/27/15	Thu 8/6/15	141,142,126	144
144	Finish drywall	5D	10 d	10 d	Wed 8/26/15	Wed 9/9/15	144,133	146
145	Paint	5D	7 d	7 d	Thu 9/10/15	Fri 9/18/15	144,133	147,148,149,150
146	GRD's ceiling	5D	15 d	15 d	Mon 9/21/15	Fri 10/9/15	146	151
147	Fire sprinkler ceiling drops	5D	15 d	15 d	Mon 9/21/15	Fri 10/9/15	146	151
148	Light fixtures ceiling	5D	15 d	15 d	Mon 9/21/15	Fri 10/9/15	146	151
149	Low voltage ceiling	5D	15 d	15 d	Mon 9/21/15	Fri 10/9/15	146	151
150	Drop ceiling border tile	5D	2 d	2 d	Mon 10/12/15	Fri 10/23/15	151	152
151	Casework	5D	8 d	8 d	Wed 10/14/15	Fri 10/23/15	151	152
152	Flooring	5D	5 d	5 d	Mon 10/26/15	Fri 10/30/15	152	153
153	Drop ceiling tile 100%	5D	4 d	4 d	Mon 11/2/15	Thu 11/5/15	153	154
154	Final clean	5D	3 d	3 d	Fri 11/6/15	Tue 11/10/15	154	155
155	Punchlist	5D	5 d	5 d	Wed 11/11/15	Tue 11/17/15	155	156,563
156	Structural	7D	332 d	332 d	Mon 10/5/15	Tue 12/8/15		567
157	Underground plumbing	5D	147 d	147 d	Mon 10/5/15	Mon 6/1/15		161,4
158	F & P footings	5D	8 d	8 d	Mon 10/5/15	Wed 1/14/15	258	7
159	Underground electrical	5D	12 d	12 d	Wed 1/14/15	Thu 1/29/15	259	
160	Vapor barrier & rebar	5D	8 d	8 d	Thu 1/15/15	Mon 1/26/15	159	162,163
161	Slab edge form	5D	5 d	5 d	Tue 1/27/15	Mon 2/2/15	161	164
162	Place & finish SOG	5D	5 d	5 d	Tue 2/3/15	Mon 2/9/15	161	164
163	Steel, joists & decking	5D	5 d	5 d	Tue 2/3/15	Mon 2/9/15	162,163	165
164	Exterior wall framing & shg	5D	15 d	15 d	Thu 3/26/15	Wed 4/15/15	164,264	166,168,169,120,344,37
165	Exterior finishes	7D	27 d	27 d	Thu 4/16/15	Tue 5/19/15		212
166	Roof tie-off anchors	5D	150 d	150 d	Thu 4/16/15	Tue 9/15/15		170
167	Skylights	5D	5 d	5 d	Thu 4/16/15	Wed 4/22/15	165	170
168	Weather barrier	5D	5 d	5 d	Thu 4/16/15	Wed 4/22/15	165	170
169	Brick veneer	5D	10 d	10 d	Thu 4/23/15	Wed 5/6/15	168,169	180,171,357
170	Metal roofing girts/insulation	5D	17 d	17 d	Thu 5/7/15	Mon 6/1/15	170	173,174,176,175,172
171	Aluminum storefront	5D	13 d	13 d	Thu 6/4/15	Mon 6/22/15	171	201,188
172	Phenolic rainscreen	5D	10 d	10 d	Tue 6/2/15	Mon 6/15/15	171	178
173	Cedar siding	5D	10 d	10 d	Tue 6/2/15	Mon 6/15/15	171	178
174	Metal wall panels girts/insulation	5D	18 d	18 d	Tue 6/2/15	Mon 6/15/15	171	178
175	Louvers	5D	18 d	18 d	Tue 6/2/15	Mon 6/15/15	171	178
176	Metal soffit	5D	5 d	5 d	Fri 6/26/15	Thu 7/2/15	176	177,178
177	Interior finishes	5D	10 d	10 d	Tue 9/1/15	Thu 9/15/15	177,173,174,175,171,179	180
178	Building in the dry	7D	208 d	208 d	Mon 5/11/15	Tue 12/8/15		181,182,183,184
180	Building in the dry	5D	1 d	1 d	Mon 5/11/15	Mon 5/11/15	170,348	

Task
 Critical Task
 Milestone
 Summary

Task Legend:
 Rolled Up Task
 Rolled Up Critical Task
 Rolled Up Milestone
 Rolled Up Progress
 Inactive Milestone
 Inactive Summary
 Manual Task
 Duration-only

Manual Summary Rollup
 Manual Summary
 Start-only
 Finish-only

External Tasks
 External Milestone
 Progress
 Deadline

Project: Howard Elementary School
 Date: December 3, 2014

Howard Elementary School - Preliminary Construction Schedule 12/3/14

ID	Task Name	Cal ID	Dur	Item Dur	Early Start	Early Finish	Predecessors	Successors
181	HVAC OH rgh-in	5D	15 d	15 d	Tue 5/12/15	Tue 6/2/15	180	185
182	Fire sprinkler OH rgh-in	5D	15 d	15 d	Tue 5/12/15	Tue 6/2/15	180	185
183	Plumbing OH rgh-in	5D	15 d	15 d	Tue 5/12/15	Tue 6/2/15	180	185
184	Electrical & low voltage OH rgh-in	5D	15 d	15 d	Tue 5/12/15	Tue 6/2/15	180	185
185	Interior wall framing	5D	8 d	8 d	Wed 6/3/15	Fri 6/12/15	181, 182, 183, 184	186, 187
186	Electrical & low voltage wall rgh-in	5D	15 d	15 d	Mon 6/15/15	Fri 7/3/15	185	188
187	Plumbing wall rgh-in	5D	15 d	15 d	Mon 6/15/15	Fri 7/3/15	185	188
188	Hang drywall	5D	9 d	9 d	Mon 6/15/15	Fri 7/3/15	185	189
189	Finish drywall	5D	10 d	10 d	Fri 7/7/15	Thu 7/30/15	188	190
190	Paint	5D	10 d	10 d	Fri 7/7/15	Thu 7/30/15	188	190
191	Ceiling grid	5D	7 d	7 d	Wed 9/30/15	Thu 10/8/15	190	191, 192, 193, 194, 195
192	GRD's ceiling	5D	15 d	15 d	Fri 10/9/15	Thu 10/29/15	191	196
193	Fire sprinkler ceiling drops	5D	15 d	15 d	Fri 10/9/15	Thu 10/29/15	191	196
194	Light fixtures ceiling	5D	15 d	15 d	Fri 10/9/15	Thu 10/29/15	191	196
195	Low voltage ceiling	5D	15 d	15 d	Fri 10/9/15	Thu 10/29/15	191	196
196	Drop ceiling border tile	5D	2 d	2 d	Fri 10/30/15	Mon 11/2/15	192, 193, 194, 195	197
197	Casework	5D	8 d	8 d	Tue 11/3/15	Thu 11/24/15	196	198
198	Flooring	5D	5 d	5 d	Fri 11/13/15	Thu 11/19/15	197	199
199	Drop ceiling tile 100%	5D	3 d	3 d	Fri 11/20/15	Wed 11/25/15	199	200
200	Final clean	5D	3 d	3 d	Fri 11/20/15	Wed 11/25/15	199	200
201	Punchlist	5D	4 d	4 d	Wed 12/2/15	Wed 12/16/15	201, 583	587
202	Sector B Media / Admin (Grid 6-12)	7D	330 d	330 d	Wed 12/2/15	Wed 1/13/16		
203	Structural	5D	15 d	15 d	Thu 2/12/15	Mon 2/23/15		205
204	Underground plumbing	5D	8 d	8 d	Thu 2/12/15	Mon 2/23/15	114	205
205	Underground electrical	5D	8 d	8 d	Tue 2/24/15	Thu 3/5/15	204	206, 207
206	Vapor barrier & rebar	5D	5 d	5 d	Fri 3/6/15	Thu 3/12/15	205	209
207	Slab edge form	5D	5 d	5 d	Fri 3/6/15	Thu 3/12/15	205	208
208	F & P footings	5D	12 d	12 d	Fri 3/13/15	Mon 3/30/15	207	209
209	Place & finish SOG	5D	5 d	5 d	Tue 3/31/15	Mon 4/6/15	206, 208	210
210	CMU TOW	5D	15 d	15 d	Tue 4/7/15	Mon 4/27/15	209	211
211	Steel, joists & decking	5D	15 d	15 d	Thu 5/7/15	Thu 5/28/15	120, 210	212, 15, 384, 403, 214, 215
212	Exterior wall framing & shg	5D	27 d	27 d	Fri 6/5/15	Mon 7/13/15	211, 166, 121SS+15 d, 40, 231	
213	Exterior finishes	7D	87 d	87 d	Fri 6/5/15	Mon 8/24/15		
214	Roof tie-off anchors	5D	5 d	5 d	Fri 6/5/15	Mon 8/24/15		216SS
215	Skylights	5D	5 d	5 d	Fri 6/5/15	Mon 8/24/15		216SS
216	Weather barrier	5D	15 d	15 d	Fri 6/5/15	Thu 6/18/15	214, 215, 216SS	217, 218, 430, 226
217	Metal roofing girts/insulation	5D	15 d	15 d	Fri 6/5/15	Thu 6/18/15	214, 215, 216SS	253, 234
218	Brick veneer	5D	17 d	17 d	Fri 6/5/15	Mon 7/13/15	216, 531	219, 220, 222, 221
219	Aluminum storefront	5D	10 d	10 d	Tue 7/14/15	Mon 7/27/15	218	253, 224
220	Phenolic rainscreen	5D	10 d	10 d	Tue 7/14/15	Mon 7/27/15	218	253, 224
221	Cedar siding	5D	15 d	15 d	Tue 7/14/15	Mon 8/3/15	218	253, 224
222	Metal wall panels girts/insulation	5D	30 d	30 d	Tue 7/14/15	Mon 8/24/15	218	223SS
223	Louvers	5D	10 d	10 d	Tue 7/14/15	Mon 8/24/15	218	253, 236
224	Metal soffit	5D	10 d	10 d	Tue 8/4/15	Mon 8/31/15	222SS	253, 236
225	Interior finishes	7D	200 d	200 d	Tue 6/23/15	Wed 1/13/16		
226	Building in the dry	5D	1 d	1 d	Tue 6/23/15	Tue 6/23/15	388, 216	227, 228, 229, 230
227	HVAC OH rgh-in	5D	15 d	15 d	Wed 6/24/15	Tue 7/14/15	226	231
228	Fire sprinkler OH rgh-in	5D	15 d	15 d	Wed 6/24/15	Tue 7/14/15	226	231
229	Plumbing OH rgh-in	5D	15 d	15 d	Wed 6/24/15	Tue 7/14/15	226	231
230	Electrical & low voltage OH rgh-in	5D	15 d	15 d	Wed 6/24/15	Tue 7/14/15	226	231
231	Interior wall framing	5D	8 d	8 d	Wed 7/15/15	Fri 7/24/15	227, 228, 229, 230, 212	232, 233
232	Electrical & low voltage wall rgh-in	5D	15 d	15 d	Mon 7/27/15	Fri 8/14/15	231	234
233	Plumbing wall rgh-in	5D	15 d	15 d	Mon 7/27/15	Fri 8/14/15	231	234
234	Hang drywall	5D	9 d	9 d	Mon 8/17/15	Thu 8/31/15	233, 217	235
235	Finish drywall	5D	10 d	10 d	Fri 8/28/15	Fri 9/11/15	234	236
236	Paint	5D	10 d	10 d	Mon 9/14/15	Fri 9/25/15	235, 224, 223	236, 237
237	Restrooms	7D	37 d	37 d	Mon 9/28/15	Tue 11/3/15	236	243
238	Ceramic wall tile	5D	7 d	7 d	Mon 9/28/15	Tue 10/6/15	236	239
239	Polished floor	5D	5 d	5 d	Wed 10/7/15	Tue 10/13/15	238	240
240	Plumbing fixtures	5D	5 d	5 d	Wed 10/7/15	Tue 10/20/15	239	241

Project: Howard Elementary School
Date: December 3, 2014

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Task

Critical Task

Milestone

Summary

Roller Up Task

Roller Up Critical Task

Roller Up Milestone

Roller Up Progress

Split

External Tasks

Project Summary

Group By Summary

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Progress

Deadline

Howard Elementary School - Preliminary Construction Schedule 12/3/14

ID	Task Name	Cal ID	Dur	Rem Dur	Early Start	Early Finish	Predecessors	Successors
241	Toilet partitions	5D	5 d	5 d	Wed 10/21/15	Tue 10/27/15	240	242
242	Toilet accessories	5D	5 d	5 d	Wed 10/28/15	Thu 11/3/15	241	253
243	Ceiling grid	5D	7 d	7 d	Wed 11/4/15	Thu 11/12/15	242, 245, 246, 247	248
244	GRD's ceiling	5D	15 d	15 d	Fri 11/13/15	Fri 12/4/15	243	248
245	Fire sprinkler ceiling drops	5D	15 d	15 d	Fri 11/13/15	Fri 12/4/15	243	248
246	Light fixtures ceiling	5D	15 d	15 d	Fri 11/13/15	Fri 12/4/15	243	248
247	Low voltage ceiling	5D	15 d	15 d	Fri 11/13/15	Fri 12/4/15	243	248
248	Drop ceiling border tile	5D	2 d	2 d	Mon 12/7/15	Tue 12/8/15	244, 245, 246, 247	249
249	Casework	5D	8 d	8 d	Wed 12/9/15	Fri 12/18/15	250	251
250	Flooring	5D	5 d	5 d	Mon 12/21/15	Mon 12/28/15	249	251
251	Drop ceiling tile 100%	5D	4 d	4 d	Tue 12/29/15	Fri 1/1/16	252, 582SS	253
252	Final clean	5D	3 d	3 d	Mon 1/4/16	Wed 1/6/16	251	253
253	Punchlist	5D	5 d	5 d	Thu 1/7/16	Wed 1/13/16	252, 217, 219, 220, 223, 225, 587	253
254	Sector C	7D	366 d	366 d	Mon 12/15/14	Mon 12/21/15		
255	Structural	7D	143 d	143 d	Mon 12/15/14	Fri 5/6/15		
256	Survey bldg grids	5D	2 d	2 d	Mon 12/15/14	Tue 12/16/14	456	257
257	Batter boards	5D	3 d	3 d	Wed 12/17/14	Fri 12/19/14	256	258
258	Underground plumbing	5D	8 d	8 d	Mon 12/22/14	Fri 1/2/15	257	258, 259
259	F & P footings	5D	15 d	15 d	Mon 12/22/14	Tue 1/13/15	257, 533, 534, 535	260
260	Underground electrical	5D	8 d	8 d	Mon 1/5/15	Wed 1/14/15	258	261, 262
261	Vapor barrier & rebar	5D	5 d	5 d	Thu 1/15/15	Wed 1/21/15	260	263
262	Slab edge form	5D	5 d	5 d	Thu 1/15/15	Wed 1/21/15	260	263
263	Place & finish SOG	5D	5 d	5 d	Thu 1/22/15	Wed 1/28/15	261, 262	264
264	Steel, joists & decking	5D	15 d	15 d	Thu 3/5/15	Wed 3/25/15	263, 550, 459, 460	265
265	Exterior wall framing & shig	5D	27 d	27 d	Thu 4/2/15	Fri 3/6/15	264, 449, 581	266
266	Exterior finishes	5D	111 d	111 d	Mon 5/11/15	Mon 8/31/15		267
267	Roof tie-off anchors	5D	5 d	5 d	Mon 5/11/15	Fri 5/15/15	265	269
268	Skylights	5D	5 d	5 d	Mon 5/11/15	Fri 5/15/15	267SS	269
269	Weather barrier	5D	15 d	15 d	Mon 5/18/15	Mon 6/8/15	268, 267	270, 279, 271, 430
270	Metal roofing girts/insulation	5D	15 d	15 d	Tue 6/9/15	Mon 6/29/15	269, 531	272
271	Brick veneer	5D	20 d	20 d	Tue 6/9/15	Mon 7/6/15	269	272, 273, 275, 274, 276
272	Aluminum storefront	5D	10 d	10 d	Tue 7/7/15	Mon 7/20/15	270, 271, 270	277
273	Phenolic rainscreen	5D	10 d	10 d	Tue 7/7/15	Mon 7/20/15	271	277
274	Cedar siding	5D	15 d	15 d	Tue 7/7/15	Mon 7/20/15	271	277
275	Metal wall panels girts/insulation	5D	30 d	30 d	Tue 7/7/15	Mon 8/17/15	271	277
276	Louvers	5D	5 d	5 d	Tue 7/7/15	Mon 7/13/15	271	277
277	Metal soffit	5D	10 d	10 d	Tue 8/18/15	Mon 8/31/15	275, 272, 273, 274, 276	288, 178
278	Interior finishes	5D	193 d	193 d	Tue 6/9/15	Mon 12/21/15		
279	Building in the dry	5D	1 d	1 d	Tue 6/9/15	Tue 6/9/15	269	280, 281, 282, 283
280	HVAC OH rgh-in	5D	15 d	15 d	Wed 6/10/15	Tue 6/30/15	279	285
281	Fire sprinkler OH rgh-in	5D	15 d	15 d	Wed 6/10/15	Tue 6/30/15	279	285
282	Plumbing OH rgh-in	5D	15 d	15 d	Wed 6/10/15	Tue 6/30/15	279	285
283	Electrical & low voltage OH rgh-in	5D	15 d	15 d	Wed 6/10/15	Tue 6/30/15	279	285
284	Set HM door & reite frames	5D	5 d	5 d	Wed 7/1/15	Tue 7/7/15	280, 281, 282, 283	286
285	Interior wall framing	5D	8 d	8 d	Wed 7/1/15	Fri 7/10/15	280, 281, 282, 283	286, 287, 284SS
286	Electrical & low voltage wall rgh-in	5D	15 d	15 d	Mon 7/13/15	Fri 7/31/15	284	288
287	Plumbing wall rgh-in	5D	15 d	15 d	Mon 7/13/15	Fri 7/31/15	284	288
288	Hang drywall	5D	15 d	15 d	Tue 9/1/15	Mon 9/14/15	287, 286, 277, 265	289
289	Finish drywall	5D	10 d	10 d	Tue 9/15/15	Mon 9/28/15	288	290
290	Paint	5D	10 d	10 d	Tue 9/29/15	Mon 10/12/15	289	291
291	Ceiling grid	5D	7 d	7 d	Tue 10/13/15	Mon 10/21/15	290	292, 293, 294, 295
292	GRD's ceiling	5D	15 d	15 d	Thu 10/22/15	Wed 11/11/15	291	296
293	Fire sprinkler ceiling drops	5D	15 d	15 d	Thu 10/22/15	Wed 11/11/15	291	296
294	Light fixtures ceiling	5D	15 d	15 d	Thu 10/22/15	Wed 11/11/15	291	296
295	Low voltage ceiling	5D	15 d	15 d	Thu 10/22/15	Wed 11/11/15	291	296
296	Drop ceiling border tile	5D	2 d	2 d	Thu 10/22/15	Wed 11/11/15	291	297
297	Casework	5D	2 d	2 d	Thu 11/12/15	Fri 11/13/15	292, 293, 294, 295	297
298	Flooring	5D	8 d	8 d	Mon 11/16/15	Wed 11/25/15	296	298
299	Drop ceiling tile 100%	5D	5 d	5 d	Fri 11/27/15	Thu 12/3/15	297	299
300	Final clean	5D	4 d	4 d	Fri 12/4/15	Wed 12/9/15	298	300, 582
301	Final clean	5D	3 d	3 d	Thu 12/10/15	Mon 12/14/15	299	301, 583

Project: Howard Elementary School
 Date: December 3, 2014

Manual Summary Rollup
 Manual Summary
 Start-only
 Finish-only
 Inactive Milestone
 Inactive Summary
 Manual Task
 Duration-only

External Tasks
 External Milestone
 Progress
 Deadline

Howard Elementary School - Preliminary Construction Schedule 12/3/14

ID	Task Name	Cal ID	Dur	Rem Dur	Early Start	Early Finish	Predecessors	Successors
301	Punchlist	7D	5 d	5 d	Mon 12/21/15	Mon 12/21/15		587
302	Sector B2 North (grid 12-15)	7D	241 d	241 d	Thu 2/26/15	Tue 10/27/15		
303	Structural	7D	27 d	27 d	Thu 5/7/15	Wed 6/3/15		
304	Safety barriers & access	5D	2 d	2 d	Fri 5/8/15	Fri 5/8/15		305,310
305	Weld shear studs	5D	1 d	1 d	Mon 5/11/15	Mon 5/11/15		306,311
306	MEP sleeves & conduit	5D	7 d	7 d	Mon 5/12/15	Wed 5/20/15		307
307	Rebar & mesh	5D	2 d	2 d	Thu 5/21/15	Fri 5/22/15		308
308	Pour SOD	5D	5 d	5 d	Mon 5/26/15	Mon 6/1/15		315,317,135
309	Mechanical Platform	7D	23 d	23 d	Mon 5/11/15	Wed 6/3/15		
310	Safety barriers & access	5D	1 d	1 d	Mon 5/11/15	Mon 5/11/15		311
311	Weld shear studs	5D	1 d	1 d	Tue 5/12/15	Tue 5/12/15		312
312	MEP sleeves & conduit	5D	3 d	3 d	Wed 5/13/15	Fri 5/15/15		313
313	Rebar & mesh	5D	2 d	2 d	Mon 5/18/15	Tue 5/19/15		314
314	Pour SOD	5D	2 d	2 d	Wed 5/20/15	Wed 5/21/15		315
315	Set AHU before roof decking	5D	2 d	2 d	Tue 6/2/15	Wed 6/3/15		172
316	Interior finishes	7D	241 d	241 d	Thu 2/26/15	Tue 10/27/15		
317	Building in the dry	5D	1 d	1 d	Tue 6/2/15	Tue 6/2/15		318,319,320,321
318	HVAC OH rgh-in	5D	15 d	15 d	Wed 6/3/15	Tue 6/23/15		323
319	Fire sprinkler OH rgh-in	5D	15 d	15 d	Wed 6/3/15	Tue 6/23/15		323
320	Plumbing OH rgh-in	5D	15 d	15 d	Wed 6/3/15	Tue 6/23/15		323
321	Electrical & low voltage OH rgh-in	5D	15 d	15 d	Wed 6/3/15	Tue 6/23/15		323
322	Set HM door & relite frames	5D	5 d	5 d	Wed 6/3/15	Wed 6/3/15		323
323	Interior wall framing	5D	8 d	8 d	Wed 6/24/15	Fri 7/3/15		324,325
324	Electrical & low voltage wall rgh-in	5D	15 d	15 d	Mon 7/6/15	Fri 7/24/15		326
325	Plumbing wall rgh-in	5D	15 d	15 d	Mon 7/6/15	Fri 7/24/15		326
326	Hang drywall	5D	9 d	9 d	Mon 7/27/15	Fri 8/4/15		327
327	Finish drywall	5D	10 d	10 d	Fri 8/7/15	Thu 8/20/15		328
328	Paint	5D	10 d	10 d	Fri 8/7/15	Thu 8/20/15		329,337
329	Ceiling grid	5D	7 d	7 d	Fri 9/4/15	Tue 9/15/15		330,331,332,333
330	GRD's ceiling	5D	15 d	15 d	Wed 9/16/15	Tue 10/6/15		334
331	Fire sprinkler ceiling drops	5D	15 d	15 d	Wed 9/16/15	Tue 10/6/15		334
332	Light fixtures ceiling	5D	15 d	15 d	Wed 9/16/15	Tue 10/6/15		334
333	Low voltage ceiling	5D	15 d	15 d	Wed 9/16/15	Tue 10/6/15		334
334	Drop ceiling border tile	5D	2 d	2 d	Wed 10/7/15	Thu 10/8/15		335
335	Casework	5D	8 d	8 d	Wed 10/7/15	Thu 10/8/15		341
336	Steel stair & railing	5D	5 d	5 d	Thu 10/8/15	Tue 10/20/15		121
337	Precast stair treads	5D	3 d	3 d	Thu 10/8/15	Wed 10/14/15		338
338	Flooring	5D	15 d	15 d	Thu 10/15/15	Wed 9/30/15		339
339	Drop ceiling tile 100%	5D	4 d	4 d	Thu 10/15/15	Fri 10/16/15		340
340	Final clean	5D	3 d	3 d	Wed 10/7/15	Fri 10/9/15		341,583
341	Punchlist	5D	5 d	5 d	Wed 10/21/15	Tue 10/27/15		587
342	Sector B2 South (grid 12-15)	7D	220 d	220 d	Thu 2/26/15	Tue 10/27/15		
343	Structural	7D	27 d	27 d	Thu 4/16/15	Tue 5/12/15		
344	Safety barriers & access	5D	2 d	2 d	Thu 4/16/15	Fri 4/17/15		345,350
345	Weld shear studs	5D	1 d	1 d	Mon 4/20/15	Mon 4/20/15		346,351
346	MEP sleeves & conduit	5D	7 d	7 d	Tue 4/21/15	Wed 4/29/15		347
347	Rebar & mesh	5D	2 d	2 d	Thu 4/30/15	Fri 5/1/15		348
348	Pour SOD	5D	5 d	5 d	Mon 5/4/15	Fri 5/8/15		355,357,180
349	Mechanical Platform	7D	23 d	23 d	Mon 4/20/15	Tue 5/12/15		
350	Safety barriers & access	5D	1 d	1 d	Mon 4/20/15	Mon 4/20/15		351
351	Weld shear studs	5D	1 d	1 d	Tue 4/21/15	Tue 4/21/15		352
352	MEP sleeves & conduit	5D	3 d	3 d	Wed 4/22/15	Fri 4/24/15		353
353	Rebar & mesh	5D	2 d	2 d	Mon 4/27/15	Tue 4/28/15		354
354	Pour SOD	5D	2 d	2 d	Wed 4/29/15	Thu 4/30/15		355
355	Set AHU before roof decking	5D	2 d	2 d	Mon 5/11/15	Tue 5/12/15		356,359,360,361
356	Interior finishes	7D	220 d	220 d	Thu 2/26/15	Tue 10/27/15		
357	Building in the dry	5D	1 d	1 d	Mon 5/11/15	Mon 5/11/15		363
358	HVAC OH rgh-in	5D	15 d	15 d	Tue 5/12/15	Tue 6/2/15		363
359	Fire sprinkler OH rgh-in	5D	15 d	15 d	Tue 5/12/15	Tue 6/2/15		363
360	Plumbing OH rgh-in	5D	15 d	15 d	Tue 5/12/15	Tue 6/2/15		363

2/26

5/7 Structural

5/11 Safety barriers & access

5/12 MEP sleeves & conduit

5/21 Rebar & mesh

5/26 Pour SOD

5/11 Mechanical Platform

5/12 Safety barriers & access

5/12 Weld shear studs

5/13 MEP sleeves & conduit

5/18 Rebar & mesh

5/20 Pour SOD

6/2 Set AHU before roof decking

6/2 Interior finishes

6/2 Building in the dry

6/3 HVAC OH rgh-in

6/3 Fire sprinkler OH rgh-in

6/3 Plumbing OH rgh-in

6/3 Electrical & low voltage OH rgh-in

6/24 Set HM door & relite frames

7/6 Electrical & low voltage wall rgh-in

7/6 Plumbing wall rgh-in

7/27 Hang drywall

8/7 Finish drywall

8/21 Paint

9/4 Ceiling grid

9/16 GRD's ceiling

9/16 Fire sprinkler ceiling drops

9/16 Light fixtures ceiling

9/16 Low voltage ceiling

10/7 Drop ceiling border tile

10/9 Casework

5/7 Steel stair & railing

9/4 Precast stair treads

9/10 Flooring

10/1 Drop ceiling tile 100%

10/7 Final clean

10/21 Punchlist

4/16 Structural

4/16 Safety barriers & access

4/20 Weld shear studs

4/21 MEP sleeves & conduit

4/30 Rebar & mesh

5/4 Pour SOD

4/20 Mechanical Platform

4/20 Safety barriers & access

4/21 Weld shear studs

4/22 MEP sleeves & conduit

4/27 Rebar & mesh

4/29 Pour SOD

5/11 Set AHU before roof decking

5/11 Interior finishes

5/12 Building in the dry

5/12 HVAC OH rgh-in

5/12 Fire sprinkler OH rgh-in

5/12 Plumbing OH rgh-in

2015

2016

Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb

2/26

5/7 Structural

5/11 Safety barriers & access

5/12 MEP sleeves & conduit

5/21 Rebar & mesh

5/26 Pour SOD

5/11 Mechanical Platform

5/12 Safety barriers & access

5/12 Weld shear studs

5/13 MEP sleeves & conduit

5/18 Rebar & mesh

5/20 Pour SOD

6/2 Set AHU before roof decking

6/2 Interior finishes

6/2 Building in the dry

6/3 HVAC OH rgh-in

6/3 Fire sprinkler OH rgh-in

6/3 Plumbing OH rgh-in

6/3 Electrical & low voltage OH rgh-in

6/24 Set HM door & relite frames

7/6 Electrical & low voltage wall rgh-in

7/6 Plumbing wall rgh-in

7/27 Hang drywall

8/7 Finish drywall

8/21 Paint

9/4 Ceiling grid

9/16 GRD's ceiling

9/16 Fire sprinkler ceiling drops

9/16 Light fixtures ceiling

9/16 Low voltage ceiling

10/7 Drop ceiling border tile

10/9 Casework

5/7 Steel stair & railing

9/4 Precast stair treads

9/10 Flooring

10/1 Drop ceiling tile 100%

10/7 Final clean

10/21 Punchlist

4/16 Structural

4/16 Safety barriers & access

4/20 Weld shear studs

4/21 MEP sleeves & conduit

4/30 Rebar & mesh

5/4 Pour SOD

4/20 Mechanical Platform

4/20 Safety barriers & access

4/21 Weld shear studs

4/22 MEP sleeves & conduit

4/27 Rebar & mesh

4/29 Pour SOD

5/11 Set AHU before roof decking

5/11 Interior finishes

5/12 Building in the dry

5/12 HVAC OH rgh-in

5/12 Fire sprinkler OH rgh-in

5/12 Plumbing OH rgh-in

Task: Critical Task, Milestone, Summary

Roll Up: Rolled Up Task, Rolled Up Critical Task, Rolled Up Milestone, Rolled Up Progress

Split: External Tasks, Project Summary, Group By Summary

Inactive Milestone: Inactive Summary, Manual Task, Duration-only

Manual Summary Rollup: Manual Summary, Start-only, Finish-only

External Milestone: External Tasks, Progress, Deadline

Howard Elementary School - Preliminary Construction Schedule 12/3/14

ID	Task Name	Cal	Dur	Rem Dur	Early Start	Early Finish	Predecessors	Successors
361	Electrical & low voltage OH rgh-in	5D	15 d	15 d	Tue 5/12/15	Tue 6/2/15	357	363
362	Set HM door & relite frames	5D	5 d	5 d	Thu 5/14/15	Wed 5/14/15	363	363
363	Interior wall framing	5D	8 d	8 d	Wed 6/3/15	Fri 6/12/15	358, 359, 360, 361, 362	364, 365
364	Electrical & low voltage wall rgh-in	5D	15 d	15 d	Mon 6/15/15	Fri 7/3/15	363	366
365	Plumbing wall rgh-in	5D	15 d	15 d	Mon 6/15/15	Fri 7/3/15	363	366
366	Hang drywall	5D	9 d	9 d	Mon 7/6/15	Thu 7/16/15	364, 365	367
367	Finish drywall	5D	10 d	10 d	Fri 7/17/15	Thu 7/30/15	366	368
368	Paint	5D	10 d	10 d	Fri 7/31/15	Thu 8/13/15	367	369, 377
369	Ceiling grid	5D	7 d	7 d	Fri 8/14/15	Mon 8/24/15	370, 371, 372, 373	374
370	GRD's ceiling	5D	15 d	15 d	Tue 8/25/15	Tue 9/15/15	369	374
371	Fire sprinkler ceiling drops	5D	15 d	15 d	Tue 8/25/15	Tue 9/15/15	369	374
372	Light fixtures ceiling	5D	15 d	15 d	Tue 8/25/15	Tue 9/15/15	369	374
373	Low voltage ceiling	5D	15 d	15 d	Tue 8/25/15	Tue 9/15/15	369	374
374	Drop ceiling border tile	5D	2 d	2 d	Wed 9/16/15	Thu 9/17/15	370, 371, 372, 373	375
375	Casework	5D	8 d	8 d	Fri 9/18/15	Tue 9/29/15	374	381
376	Steel stair & railing	5D	5 d	5 d	Thu 4/16/15	Wed 4/22/15	165	166
377	Precast stair treads	5D	3 d	3 d	Fri 8/14/15	Tue 8/18/15	368	378
378	Flooring	5D	15 d	15 d	Wed 8/19/15	Wed 9/9/15	377	379
379	Drop ceiling tile 100%	5D	4 d	4 d	Thu 9/10/15	Tue 9/15/15	378	380
380	Final clean	5D	3 d	3 d	Wed 9/16/15	Fri 9/18/15	379	381, 583
381	Punchlist	5D	5 d	5 d	Wed 9/30/15	Tue 10/6/15	380, 375	587
382	Sector B2 Media / Admin (grid 6-12)	7D	262 d	262 d	Tue 2/26/15	Tue 11/17/15		
383	Structural	7D	25 d	25 d	Fri 5/29/15	Mon 6/22/15		
384	Safety barriers & access	5D	2 d	2 d	Fri 5/29/15	Mon 6/1/15	211	385
385	Weld shear studs	5D	1 d	1 d	Tue 6/2/15	Tue 6/2/15	384	386
386	MEP sleeves & conduit	5D	7 d	7 d	Wed 6/3/15	Thu 6/11/15	385	387
387	Rebar & mesh	5D	2 d	2 d	Fri 6/12/15	Mon 6/15/15	386	388
388	Pour SOD	5D	5 d	5 d	Tue 6/16/15	Mon 6/22/15	387	390, 226
389	Interior finishes	7D	262 d	262 d	Tue 2/26/15	Tue 11/17/15		
390	Building in the dry	5D	1 d	1 d	Tue 6/23/15	Tue 6/23/15	388	391, 392, 393, 394
391	HVAC OH rgh-in	5D	15 d	15 d	Wed 6/24/15	Tue 7/14/15	390	396
392	Fire sprinkler OH rgh-in	5D	15 d	15 d	Wed 6/24/15	Tue 7/14/15	390	396
393	Plumbing OH rgh-in	5D	15 d	15 d	Wed 6/24/15	Tue 7/14/15	390	396
394	Electrical & low voltage OH rgh-in	5D	15 d	15 d	Wed 6/24/15	Tue 7/14/15	390	396
395	Set HM door & relite frames	5D	5 d	5 d	Thu 2/26/15	Wed 3/4/15	532	397
396	Interior wall framing	5D	8 d	8 d	Wed 7/15/15	Fri 7/24/15	391, 392, 393, 394, 395	399, 398
397	Electrical & low voltage wall rgh-in	5D	15 d	15 d	Mon 7/27/15	Fri 8/14/15	396	399
398	Plumbing wall rgh-in	5D	15 d	15 d	Mon 7/27/15	Fri 8/14/15	396	399
399	Hang drywall	5D	9 d	9 d	Mon 8/17/15	Thu 8/27/15	397, 398	400, 461
400	Finish drywall	5D	10 d	10 d	Fri 8/28/15	Fri 9/11/15	399	401
401	Paint	5D	10 d	10 d	Mon 9/14/15	Fri 9/25/15	400	402, 410
402	Ceiling grid	5D	7 d	7 d	Mon 9/28/15	Tue 10/6/15	401	403, 404, 405, 406
403	GRD's ceiling	5D	15 d	15 d	Wed 10/7/15	Tue 10/27/15	402	407
404	Fire sprinkler ceiling drops	5D	15 d	15 d	Wed 10/7/15	Tue 10/27/15	402	407
405	Light fixtures ceiling	5D	15 d	15 d	Wed 10/7/15	Tue 10/27/15	402	407
406	Low voltage ceiling	5D	15 d	15 d	Wed 10/7/15	Tue 10/27/15	402	407
407	Drop ceiling border tile	5D	2 d	2 d	Wed 10/28/15	Thu 10/29/15	403, 404, 405, 406	408
408	Casework	5D	8 d	8 d	Fri 10/30/15	Tue 11/10/15	407	414
409	Steel stair & railing	5D	5 d	5 d	Fri 5/29/15	Thu 6/4/15	211	212
410	Precast stair treads	5D	3 d	3 d	Mon 9/28/15	Wed 9/30/15	401	411
411	Flooring	5D	15 d	15 d	Thu 10/1/15	Wed 10/21/15	410	412
412	Drop ceiling tile 100%	5D	3 d	3 d	Wed 10/28/15	Fri 10/30/15	411	413
413	Final clean	5D	5 d	5 d	Wed 11/11/15	Tue 11/17/15	412	414, 583
414	Punchlist	5D	5 d	5 d	Wed 11/11/15	Tue 11/17/15	413, 408	587
415	Sector C2	7D	288 d	288 d	Thu 2/26/15	Fri 11/13/15		
416	Structural	7D	23 d	23 d	Thu 3/26/15	Fri 4/17/15		
417	Safety barriers & access	5D	2 d	2 d	Thu 3/26/15	Fri 3/27/15	264	418, 423
418	Weld shear studs	5D	1 d	1 d	Mon 3/30/15	Mon 3/30/15	417	419, 424
419	MEP sleeves & conduit	5D	7 d	7 d	Tue 3/31/15	Wed 4/8/15	418	420
420	Rebar & mesh	5D	2 d	2 d	Thu 4/9/15	Fri 4/10/15	419	421

Project: Howard Elementary School
 Date: December 3, 2014

Legend:

- Task
- Critical Task
- Milestone
- Summary
- Rollup Task
- Rollup Milestone
- Rollup Progress
- Split
- External Task
- Project Summary
- Group By Summary
- Inactive Milestone
- Inactive Summary
- Manual Task
- Duration-only
- Manual Summary Rollup
- Manual Summary
- Start-only
- Finish-only
- External Milestone
- Progress
- Deadline

Howard Elementary School - Preliminary Construction Schedule 12/3/14

ID	Task Name	Cal ID	Dur	Rem Dur	Early Start	Early Finish	Predecessors	Successors
421	Pour SOD	5D	5d	5d	Mon 4/13/15	Fri 4/17/15	420	430
422	Mechanical Platform	7D	15d	15d	Mon 3/30/15	Mon 4/13/15		
423	Safety barriers & access	5D	1d	1d	Mon 3/30/15	Mon 3/30/15	417	424
424	Weld shear studs	5D	1d	1d	Tue 3/31/15	Tue 3/31/15	418	425
425	MEP sleeves & conduit	5D	3d	3d	Wed 4/1/15	Fri 4/3/15	424	426
426	Rebar & mesh	5D	2d	2d	Mon 4/6/15	Tue 4/7/15	425	427
427	Pour SOD	5D	2d	2d	Wed 4/8/15	Thu 4/9/15	426	428
428	Set AHU before roof decking	5D	2d	2d	Fri 4/10/15	Mon 4/13/15	427	430
429	Interior finishes	7D	25d	25d	Thu 2/26/15	Fri 11/13/15		
430	Building in the dry	5D	1d	1d	Fri 6/19/15	Fri 6/19/15	421, 269, 216, 428	431, 432, 433, 434
431	HVAC OH rgh-in	5D	15d	15d	Mon 6/22/15	Fri 7/10/15	430	436
432	Fire sprinkler OH rgh-in	5D	15d	15d	Mon 6/22/15	Fri 7/10/15	430	436
433	Plumbing OH rgh-in	5D	15d	15d	Mon 6/22/15	Fri 7/10/15	430	436
434	Electrical & low voltage OH rgh-in	5D	15d	15d	Mon 6/22/15	Fri 7/10/15	430	436
435	Set HM door & relite frames	5D	5d	5d	Thu 2/26/15	Wed 3/4/15	434	436
436	Interior wall framing	5D	8d	8d	Mon 7/13/15	Wed 7/22/15	431, 432, 433, 434, 435	437, 438
437	Electrical & low voltage wall rgh-in	5D	15d	15d	Thu 7/23/15	Wed 8/12/15	436	439
438	Plumbing wall rgh-in	5D	15d	15d	Thu 7/23/15	Wed 8/12/15	436	439
439	Hang drywall	5D	9d	9d	Thu 8/13/15	Tue 8/25/15	437, 438	440
440	Finish drywall	5D	10d	10d	Wed 8/26/15	Wed 9/9/15	439	441
441	Paint	5D	10d	10d	Thu 9/10/15	Wed 9/23/15	440	442, 440
442	Ceiling grid	5D	7d	7d	Thu 9/24/15	Fri 10/2/15	441	443, 444, 445, 446
443	GRD's ceiling	5D	15d	15d	Mon 10/5/15	Fri 10/23/15	442	447
444	Fire sprinkler ceiling drops	5D	15d	15d	Mon 10/5/15	Fri 10/23/15	442	447
445	Light fixtures ceiling	5D	15d	15d	Mon 10/5/15	Fri 10/23/15	442	447
446	Low voltage ceiling	5D	15d	15d	Mon 10/5/15	Fri 10/23/15	442	447
447	Drop ceiling border tile	5D	2d	2d	Mon 10/26/15	Tue 10/27/15	444, 445, 446	448
448	Casework	5D	8d	8d	Wed 10/28/15	Fri 11/6/15	447	454
449	Steel stair & railing	5D	5d	5d	Thu 10/29/15	Wed 11/11/15	448	455
450	Precast stair treads	5D	3d	3d	Thu 9/24/15	Mon 9/28/15	441	451
451	Flooring	5D	15d	15d	Tue 9/29/15	Mon 10/19/15	450	452
452	Drop ceiling tile 100%	5D	3d	3d	Tue 10/20/15	Fri 10/23/15	451	453
453	Final clean	5D	3d	3d	Wed 10/28/15	Wed 10/28/15	452	454, 583
454	Punchlist	5D	5d	5d	Mon 11/9/15	Fri 11/13/15	453, 448	587
455	Site	7D	60d	60d	Tue 12/22/14	Wed 8/10/16		
456	Survey stake sanitary & storm piping	5D	9d	9d	Tue 12/22/14	Fri 12/12/14	455	256, 457, 458
457	Sanitary & storm piping	5D	20d	20d	Tue 12/16/14	Wed 1/14/15	456, 579	459
458	Temporary access road around bldg	5D	10d	10d	Mon 12/15/14	Mon 12/29/14	457	460, 264
459	Domestic & fire water piping	5D	20d	20d	Thu 1/15/15	Wed 2/11/15	458	461, 264
460	Bus Entry Rock	5D	5d	5d	Thu 2/12/15	Wed 2/18/15	459	462, 55
461	Fire Access Road	5D	4d	4d	Fri 8/28/15	Wed 9/2/15	399, 460	463
462	Curbs/Sidewalks	5D	25d	25d	Fri 8/28/15	Fri 10/2/15	461, 55	464, 55
463	AC Prep & Pave	5D	5d	5d	Mon 10/5/15	Fri 10/9/15	462	465, 55
464	Courtyards	5D	25d	25d	Mon 10/5/15	Fri 11/6/15	463, 55	466
465	Playground Hardscapes	5D	25d	25d	Mon 10/5/15	Fri 11/6/15	463, 55	466
466	Landscaping	5D	25d	25d	Mon 11/9/15	Mon 12/14/15	465	468
467	Abatement	7D	25d	25d	Mon 4/14/16	Thu 4/28/16	587, 591	469
468	Building Demolition	6D	25d	25d	Mon 5/2/16	Mon 5/30/16	467	470
469	Sanitary Sewer After Demo	6D	25d	25d	Tue 5/3/16	Sat 6/4/16	468	471
470	Storm After Demo	6D	8d	8d	Mon 6/6/16	Tue 6/14/16	469	472
471	Water After Demo	6D	2d	2d	Wed 6/15/16	Wed 6/22/16	470	473
472	Parking Lot Subgrade Prep	6D	3d	3d	Thu 6/23/16	Sat 6/25/16	471	474, 476
473	Rock Parking Lot	6D	3d	3d	Thu 6/23/16	Sat 6/25/16	472	475
474	Offsite Subgrade Prep	6D	2d	2d	Wed 6/29/16	Thu 6/30/16	473	476, 55
475	Rock Offsite	6D	2d	2d	Wed 6/29/16	Thu 6/30/16	474	477, 475, 55
476	Curbs/Sidewalks	6D	20d	20d	Wed 6/29/16	Thu 7/21/16	473, 475, 55	478
477	AC Paving	6D	3d	3d	Fri 7/22/16	Mon 7/25/16	476	480
478	Signage/Striping	6D	5d	5d	Tue 7/26/16	Mon 7/30/16	477	480
479	Landscaping	6D	25d	25d	Tue 8/9/16	Wed 8/10/16	478, 479	480
480	Clean-Up/Punchlist	6D	2d	2d	Tue 8/9/16	Wed 8/10/16	479, 478	588

Task
 Critical Task
 Milestone
 Summary

Task Legend
 Rolled Up Task
 Rolled Up Critical Task
 Rolled Up Milestone
 Rolled Up Progress

Task Legend
 Split
 External Tasks
 Project Summary
 Group By Summary

Task Legend
 Inactive Milestone
 Inactive Summary
 Manual Task
 Duration-only

Task Legend
 Manual Summary Rollup
 Manual Summary
 Start-only
 Finish-only

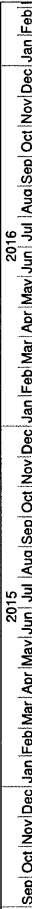
Task Legend
 External Tasks
 External Milestone
 Progress
 Deadline

Project: Howard Elementary School
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Howard Elementary School - Preliminary Construction Schedule 12/3/14

ID	Task Name	Cal	Dur	Rem Dur	Early Start	Early Finish	Predecessors	Successors
481	Submittals	7D	42 d		Tue 12/22/14	Wed 1/14/15		
482	Kitchen equipment	5D	30 d		Tue 12/22/14	Wed 1/14/15	24, 529	
483	Steel joists & decking	5D	30 d		Tue 12/22/14	Wed 1/14/15	530	
484	Metal wall & roof panel	5D	25 d		Tue 12/22/14	Wed 1/14/15	531	
485	HM frame	5D	30 d		Tue 12/22/14	Wed 1/14/15	532	
486	Rebar	5D	10 d		Mon 12/15/14	Tue 12/15/14	533	
487	Anchor bolt embed	5D	10 d		Tue 12/22/14	Mon 12/15/14	534	
488	Concrete mix design	5D	10 d		Tue 12/22/14	Mon 12/15/14	535	
489	Roof tie-off anchors	5D	30 d		Tue 12/22/14	Mon 12/15/14	536	
490	Skylights	5D	30 d		Tue 12/22/14	Wed 1/14/15	537	
491	Metal roofing girls/insulation	5D	30 d		Tue 12/22/14	Wed 1/14/15	538	
492	Weather barrier	5D	30 d		Tue 12/22/14	Wed 1/14/15	539	
493	Brick veneer	5D	30 d		Tue 12/22/14	Wed 1/14/15	540	
494	Aluminum storefront	5D	30 d		Tue 12/22/14	Wed 1/14/15	541	
495	Phenolic rainscreen	5D	30 d		Tue 12/22/14	Wed 1/14/15	542	
496	Louvers	5D	30 d		Tue 12/22/14	Wed 1/14/15	543	
497	Metal wall panels girls/insulation	5D	30 d		Tue 12/22/14	Wed 1/14/15	544	
498	Metal soffit	5D	30 d		Tue 12/22/14	Wed 1/14/15	545	
499	Cedar siding	5D	30 d		Tue 12/22/14	Wed 1/14/15	546	
500	HVAC	5D	30 d		Tue 12/22/14	Wed 1/14/15	547	
501	Fire sprinkler	5D	30 d		Tue 12/22/14	Wed 1/14/15	548	
502	Plumbing	5D	30 d		Tue 12/22/14	Wed 1/14/15	549	
503	Electrical & low voltage	5D	30 d		Tue 12/22/14	Wed 1/14/15	550	
504	Interior wall framing	5D	30 d		Tue 12/22/14	Wed 1/14/15	551	
505	Hang drywall	5D	30 d		Tue 12/22/14	Wed 1/14/15	552	
506	Paint	5D	30 d		Tue 12/22/14	Wed 1/14/15	553	
507	Ceiling grid	5D	30 d		Tue 12/22/14	Wed 1/14/15	554	
508	GRD's	5D	30 d		Tue 12/22/14	Wed 1/14/15	555	
509	Light fixtures	5D	30 d		Tue 12/22/14	Wed 1/14/15	556	
510	Casework	5D	30 d		Tue 12/22/14	Wed 1/14/15	557	
511	Flooring	5D	30 d		Tue 12/22/14	Wed 1/14/15	558	
512	Climbing wall	5D	30 d		Tue 12/22/14	Wed 1/14/15	559	
513	Basketball backstop supports	5D	30 d		Tue 12/22/14	Wed 1/14/15	560	
514	Roller shades	5D	30 d		Tue 12/22/14	Wed 1/14/15	561	
515	Overhead ceiling doors	5D	30 d		Tue 12/22/14	Wed 1/14/15	562	
516	Acoustical wall panels	5D	30 d		Tue 12/22/14	Wed 1/14/15	563	
517	Operable partition	5D	30 d		Tue 12/22/14	Wed 1/14/15	564	
518	Wood flooring	5D	30 d		Tue 12/22/14	Wed 1/14/15	565	
519	Platform curtain	5D	30 d		Tue 12/22/14	Wed 1/14/15	566	
520	Freezer & cooler	5D	30 d		Tue 12/22/14	Wed 1/14/15	567	
521	Quarry tile	5D	30 d		Tue 12/22/14	Wed 1/14/15	568	
522	Exhaust hood	5D	30 d		Tue 12/22/14	Wed 1/14/15	569	
523	Wall tile & FRP	5D	30 d		Tue 12/22/14	Wed 1/14/15	570	
524	Ceramic wall tile	5D	30 d		Tue 12/22/14	Wed 1/14/15	571	
525	Polished floor	5D	30 d		Tue 12/22/14	Wed 1/14/15	572	
526	Toilet partitions	5D	30 d		Tue 12/22/14	Wed 1/14/15	573	
527	Toilet accessories	5D	30 d		Tue 12/22/14	Wed 1/14/15	574	
528	Deliveries	7D	112 d		Tue 12/16/14	Wed 4/8/15		
529	Kitchen equipment	5D	60 d		Thu 1/15/15	Wed 4/8/15	94	
530	Steel joists & decking	5D	35 d		Thu 1/15/15	Wed 3/4/15	264	
531	Metal wall & roof panel	5D	50 d		Thu 1/15/15	Wed 3/18/15	484	
532	HM frame	5D	30 d		Thu 1/15/15	Wed 2/25/15	485	
533	Rebar	5D	3 d		Thu 12/16/14	Thu 12/18/14	486	
534	Anchor bolt embed	5D	3 d		Tue 12/16/14	Thu 12/18/14	487	
535	Concrete mix design	5D	10 d		Tue 12/16/14	Wed 12/16/14	488	
536	Roof tie-off anchors	5D	40 d		Thu 1/15/15	Wed 3/11/15	489	
537	Skylights	5D	50 d		Thu 1/15/15	Wed 3/25/15	490	
538	Metal roofing girls/insulation	5D	50 d		Thu 1/15/15	Wed 3/25/15	491	
539	Weather barrier	5D	30 d		Thu 1/15/15	Wed 2/25/15	492	
540	Brick veneer	5D	50 d		Thu 1/15/15	Wed 3/25/15	493	



Task Legend:

- Task:** Solid black bar
- Critical Task:** Thick black bar
- Milestone:** Diamond symbol
- Summary:** Dotted line
- External Task:** Thin black bar
- External Milestone:** Thin black bar with diamond
- Progress:** Horizontal bar with gradient
- Start-only:** Horizontal bar starting at a point
- Finish-only:** Horizontal bar ending at a point
- Deadline:** Horizontal bar ending at a point with a diamond

Roll Up Task Legend:

- Roll Up Critical Task:** Thick black bar with diamond
- Roll Up Milestone:** Diamond symbol
- Roll Up Progress:** Horizontal bar with gradient

Task Legend:

- Manual Summary Roll Up:** Dotted line with diamond
- Manual Summary:** Dotted line
- Manual Task:** Solid black bar with diamond
- Duration-only:** Horizontal bar
- Inactive Milestone:** Dotted line with diamond
- Inactive Summary:** Dotted line
- Manual Task:** Solid black bar with diamond
- Manual Summary:** Dotted line with diamond
- Manual Summary Roll Up:** Dotted line with diamond
- Manual Summary:** Dotted line
- Manual Task:** Solid black bar with diamond
- Duration-only:** Horizontal bar

Howard Elementary School - Preliminary Construction Schedule 12/3/14

ID	Task Name	Cal ID	Dur	Rem Dur	Early Start	Early Finish	Predecessors	Successors
541	Aluminum storefront	5D	30 d	30 d	Thu 1/15/15	Wed 2/25/15	494	
542	Phenolic rainscreen	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	495	
543	Louvers	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	496	
544	Metal wall panels girts/insulation	5D	50 d	50 d	Thu 1/15/15	Wed 3/25/15	497	
545	Metal soffit	5D	50 d	50 d	Thu 1/15/15	Wed 3/25/15	498	
546	Cedar siding	5D	30 d	30 d	Thu 1/15/15	Wed 2/25/15	499	
547	HVAC	5D	20 d	20 d	Thu 1/15/15	Wed 2/11/15	500	
548	Fire sprinkler	5D	20 d	20 d	Thu 1/15/15	Wed 2/11/15	501	
549	Plumbing	5D	20 d	20 d	Thu 1/15/15	Wed 2/11/15	502	
550	Electrical & low voltage	5D	20 d	20 d	Thu 1/15/15	Wed 2/11/15	503	
551	Interior wall framing	5D	20 d	20 d	Thu 1/15/15	Wed 2/11/15	504	
552	Hang drywall	5D	20 d	20 d	Thu 1/15/15	Wed 2/11/15	505	
553	Paint	5D	30 d	30 d	Thu 1/15/15	Wed 2/25/15	506	
554	Ceiling grid	5D	30 d	30 d	Thu 1/15/15	Wed 2/25/15	507	
555	GRD's	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	508	
556	Light fixtures	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	509	
557	Casework	5D	41 d	41 d	Thu 1/15/15	Thu 3/12/15	510	
558	Flooring	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	511	
559	Climbing wall	5D	50 d	50 d	Thu 1/15/15	Wed 3/25/15	512	
560	Basketball backstop supports	5D	50 d	50 d	Thu 1/15/15	Wed 3/25/15	513	
561	Roller shades	5D	30 d	30 d	Thu 1/15/15	Wed 2/25/15	514	
562	Overhead coiling doors	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	515	
563	Acoustical wall panels	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	516	
564	Operable partition	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	517	
565	Wood flooring	5D	30 d	30 d	Thu 1/15/15	Wed 2/25/15	518	
566	Platform curtain	5D	30 d	30 d	Thu 1/15/15	Wed 2/25/15	519	
567	Freezer & cooler	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	520	
568	Quarry tile	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	521	
569	Exhaust hood	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	522	
570	Wall tile & FRP	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	523	
571	Ceramic wall tile	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	524	
572	Polished floor	5D	20 d	20 d	Thu 1/15/15	Wed 2/11/15	525	
573	Toilet partitions	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	526	
574	Toilet accessories	5D	40 d	40 d	Thu 1/15/15	Wed 3/11/15	527	
575	General	7D	642 d	642 d	Mon 11/3/14	Wed 8/17/16		
576	Award	7D	1 d	1 d	Mon 11/3/14	Mon 11/3/14	577	
577	Notice to Proceed	5D	9 d	9 d	Tue 11/4/14	Fri 11/14/14	576, 578, 579	
578	Issue subcontracts & PO's	5D	10 d	10 d	Mon 12/1/14	Mon 12/15/14	577, 578, 579, 580, 581, 582, 583	
579	Mobilization	5D	20 d	20 d	Mon 11/17/14	Mon 12/15/14	577	
580	Mock up submittals	5D	60 d	60 d	Mon 11/17/14	Wed 2/11/15	577	
581	Mock up construction	5D	20 d	20 d	Thu 2/12/15	Thu 3/11/15	580	
582	Commissioning	7D	30 d	30 d	Tue 12/29/15	Thu 1/28/16	581, 582, 583, 584	
583	City final inspections for fire alarm, electrical, plumbing, mechanical	5D	3 d	3 d	Thu 1/7/16	Mon 1/11/16	582, 583, 584	
584	Architect and Engineer's punchlist	5D	5 d	5 d	Tue 1/12/16	Mon 1/18/16	583	
585	Complete punchlist items	5D	10 d	10 d	Tue 1/19/16	Mon 2/1/16	584	
586	Owner training	5D	8 d	8 d	Tue 1/19/16	Thu 1/28/16	585, 586	
587	Substantial completion of building	5D	0 d	0 d	Mon 2/1/16	Mon 2/1/16	586, 587, 588, 589, 590, 591	
588	Substantial completion site	5D	0 d	0 d	Wed 8/10/16	Wed 8/10/16	588	
589	Final completion	5D	5 d	5 d	Thu 8/11/16	Wed 8/17/16	589	
590	4J School District	5D	5 d	5 d	Tue 3/22/16	Mon 3/28/16		
591	Move out of existing school	5D	5 d	5 d	Tue 3/22/16	Mon 3/28/16	587	

2015

1/15 Aluminum storefront

1/15 Phenolic rainscreen

1/15 Louvers

1/15 Metal wall panels girts/insulation

1/15 Metal soffit

1/15 Cedar siding

1/15 HVAC

1/15 Fire sprinkler

1/15 Plumbing

1/15 Electrical & low voltage

1/15 Interior wall framing

1/15 Hang drywall

1/15 Paint

1/15 Ceiling grid

1/15 GRD's

1/15 Light fixtures

1/15 Casework

1/15 Flooring

1/15 Climbing wall

1/15 Basketball backstop supports

1/15 Roller shades

1/15 Overhead coiling doors

1/15 Acoustical wall panels

1/15 Operable partition

1/15 Wood flooring

1/15 Platform curtain

1/15 Freezer & cooler

1/15 Quarry tile

1/15 Exhaust hood

1/15 Wall tile & FRP

1/15 Ceramic wall tile

1/15 Polished floor

1/15 Toilet partitions

1/15 Toilet accessories

11/3 Award

11/3 Notice to Proceed

11/17 Issue subcontracts & PO's

11/17 Mobilization

2/12 Mock up submittals

2/12 Mock up construction

12/29 Commissioning

1/7 City final inspections for fire alarm, electrical, plumbing, mechanical

1/12 Architect and Engineer's punchlist

1/19 Complete punchlist items

1/19 Owner training

2/1 Substantial completion of building

8/10 Substantial completion site

8/11 Final completion

3/22 4J School District

3/22 Move out of existing school

2016

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb

Task

Critical Task

Milestone

Summary

Task

Critical Task

Milestone

Summary

Roll Up Task

Roll Up Critical Task

Roll Up Milestone

Roll Up Progress

Split

External Tasks

Project Summary

Group By Summary

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Progress

Deadline

Job No: 14-24

Request for Information

Show: All RFIs

Howard Elementary School

Date: 12/9/2014

RFI #	Date Issued	Title	Date Requested	Status	CO Req'd	Response Date	Posted in Asbuilts	Forwarded Date
1	11/25/14	Needed Column Locations	12/02/14	CLO	PR	12/03/14		12/04/14
2	11/28/14	Joists Clarifications	12/03/14	CLO	PR	12/04/14		12/04/14
3	11/28/14	Coping Angle Iron	12/02/14	CLO		12/04/14		12/04/14
4	11/28/14	Bolts in CMU Wall for Stairs	12/01/14	CLO		12/04/14		12/04/14
5	11/28/14	Columns Around Elevator	12/01/14	CLO		12/04/14		12/04/14
6	11/28/14	Projection Screen Controls	12/05/14	CLO		12/03/14		12/04/14
7	11/28/14	Mounting Detail	12/05/14	CLO		12/01/14		12/04/14
8	11/28/14	Courtyard Access Control	12/05/14	CLO		12/01/14		12/04/14
9	11/28/14	Light Pole Base	12/05/14	CLO	PR	12/04/14		12/05/14
10	11/28/14	Sound System Raceway	12/05/14	CLO		12/04/14		12/05/14
11	11/28/14	Stair Details	12/03/14	CLO	PR	12/02/14		12/04/14
12	11/30/14	Skylight Controls	12/07/14	CLO	PR	12/04/14		12/04/14
13	11/30/14	ENT Raceway	12/07/14	CLO		12/04/14		12/04/14
14	11/30/14	Gym Floor Box	12/07/14	CLO	PR	12/04/14		12/05/14
15	11/30/14	Back Flow Vault Feeder	12/07/14	CLO		12/04/14		12/05/14
16	12/03/14	Roof Ridge in Sector A	12/04/14	CLO		12/03/14		12/04/14
17	12/04/14	Projection Screen Controls	12/11/14	CLO		12/05/14		12/05/14
18	12/04/14	Data Raceways	12/11/14	CLO		12/05/14		12/05/14
19	12/04/14	Cable Tray Route	12/11/14	CLO		12/05/14		12/08/14
20	12/04/14	Lab/Island Location	12/11/14	CLO		12/05/14		12/08/14
21	12/04/14	ENT Raceway	12/11/14	NEW				
22	12/04/14	Skylight Control at Kitchen	12/11/14	CLO	PR	12/05/14		12/08/14
23	12/04/14	Sectional Door Control	12/11/14	NEW				
24	12/04/14	Gym Low Voltage Switches	12/11/14	NEW				
25	12/04/14	Data Conduit Stubs	12/11/14	NEW				
26	12/05/14	Lighting Control System	12/12/14	NEW				
27	12/05/14	Storm Drain and Cleanout	12/12/14	NEW				
28	12/05/14	Waste Piping at L-2 in A107	12/12/14	NEW				
29	12/05/14	Storm Drain and Waste Systems Slope	12/12/14	NEW				
30	12/05/14	Civil FFD Inlet Size Clarification	12/12/14	CLO		12/08/14		12/09/14
31	12/05/14	Area A Storm Drain Connection Clarifications	12/12/14	NEW				
32	12/05/14	End of Line Vent for Floor Sink in Area A	12/12/14	NEW				
33	12/05/14	SS Piping for Larger DCW	12/12/14	NEW				
34	12/05/14	Yard Trap Primer Connections Clarification	12/12/14	NEW				
35	12/05/14	Joist Seat Depths	12/08/14	CLO		12/09/14		12/09/14
36	12/05/14	Cap Plates at SLRS	12/09/14	CLO		12/09/14		12/09/14
37	12/05/14	Skewed Shear Tabs	12/09/14	CLO		12/09/14		12/09/14
38	12/05/14	LH Joist Seats	12/09/14	CLO		12/09/14		12/09/14
39	12/05/14	Harness Supports	12/09/14	CLO		12/05/14		12/08/14
40	12/05/14	Joist Struts at Gym Roof	12/08/14	CLO		12/09/14		12/09/14
41	12/09/14	Survey Discrepancies	12/10/14	CLO		12/09/14		12/09/14
42	12/09/14	Required Elevation at Low Roof	12/11/14	NEW				
43	12/09/14	More Needed Information about Operable Partitions	12/11/14	NEW				
44	12/09/14	CMU Wall Dimensions	12/11/14	NEW				
45	12/09/14	Missing Detail	12/11/14	NEW				
46	12/09/14	Embed Setting	12/11/14	NEW				
PR 004	12/04/14	Platform Stair Change	12/04/14	CLO	COR 1	12/04/14		12/04/14

Job No: 14-24

Request for Information

Show: All RFIs

Howard Elementary School

Date: 12/9/2014

RFI #	Date Issued	Title	Date Requested	Status	CO Req'd	Response Date	Posted in Asbuilts	Forwarded Date
PR 005	12/04/14	Structural Additions and Changes	12/04/14	CLO	COR 2	12/04/14		12/04/14
PR 007	12/09/14	Electrical/Low Voltage Changes	12/09/14	CLO	COR 3	12/09/14		12/09/14

Change Order Request Log

Job No: 14-24
Howard Elementary School

Date: 12/9/2014

Number	Change Issue	Description	Date to Sub	Time Requests	Quoted	Date to Owner	Date Approved	CO #	Approved Amount
1	PR 004	Platform Stair Change	12/04/14						
2	PR 005	Structural Additions and Changes	12/04/14						
3	PR 007	Electrical/Low Voltage Changes	12/09/14						
				Approved Time Extensions:	0	Original Contract Amount:			\$21,663,000.00
				Start Date:	11/12/14	Approved Contract Changes:			\$0.00
				Revised End Date:		Revised Contract Amount:			\$21,663,000.00

4J HES - Potential Change Order Report

PROJECT: 4J Howard Elementary School
 MANAGER: John Stapleton
 PREPARED BY: Adam Davidson
 DATE: 12/10/2014



ID	Subject	Status	Type	Reasons	Disc Date	Estimate Amount - USD	Propose Amount - USD	Approved Amount - USD	Forecast Amount - USD	Related Items	Related Project Items	Keywords
P001	Seismic Movement - HVAC	Draft	Cost	Regulatory		\$0.00	\$0.00	\$0.00	\$0.00			
P002	Signage Changes	Draft	Cost	Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00			
P003	Color Changes	Draft	Cost	Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00			
P004	Stair Details - Platform and Mech, Loft Stairs	Pricing Requested	Cost	Changed Conditions, RFI		\$0.00	\$0.00	\$0.00	\$0.00	RFI-011 - Stair Details, 004 - P004 Platform Stair Change		
P005	Detail of Beam penetration Wall	Draft	Cost	Improved Information		\$0.00	\$0.00	\$0.00	\$0.00	RFIs, Proposal Requests		
P006	Structural Additions and Changes	Pricing Requested	Cost	Improved Information		\$0.00	\$0.00	\$0.00	\$0.00	RFIs, Proposal Requests	RFI-001 - Needed Column Locations, RFI-002 - Joists Clarifications, 005 - P006 Structural Additions and Changes	
P007	Skylight Well Soffit Support & Handrail Detail Changes	Draft	Cost	Improved Information, Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00			
P008	Gym Equipment Addition	Draft	Cost	Improved Information, Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00			
P009	Structural Support for Doors A100A, A100B, & A100E	Draft	Cost	Improved Information		\$0.00	\$0.00	\$0.00	\$0.00			
P010	Addition of Skateboard Racks	Draft	Cost	Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00			
P011	Electrical/Low Voltage Changes	Pricing Requested	Cost	Improved Information		\$0.00	\$0.00	\$0.00	\$0.00	RFIs, Proposal Requests	RFI-009 - Light Pole Base, RFI-012 - RFI 12 - Skylight Controls, RFI-014 - RFI 14 - Gym Floor Box, 007 - P011 Electrical/Low Voltage Changes	
P012	Sectional Door Controls	Draft	Cost	Improved Information, Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00	RFIs	RFI-023 - Sectional Door Control	
P013	AMX Equipment & Electronic Dashboard Design	Draft	Cost	Improved Information, Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00			
P014	Add Slide to Media Center	Draft	Cost	Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00			
P015	4J Mechanical Comments	Draft	Cost	Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00			
P016	Plumbing RFI Changes	Draft	Cost	Improved Information		\$0.00	\$0.00	\$0.00	\$0.00	RFIs	RFI-028 - Waste Piping at L-2 in A107	
P017	Strategy for March 2016 Move-In Residents	Draft	Cost	Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00			
P018	Job Trailer/Windows/East Side Residents	Draft	Cost	Field Conditions, Owner's Request		\$0.00	\$0.00	\$0.00	\$0.00			

**Submittals Awaiting Review
by Package**

Spec	Submittal	Rev	Title	Subcontractor	Due Date	Sub to Todd	Todd to Arch	From Arch	Todd to Sub	Status
051200	STRUCTURAL STEEL FRAMING									
051200-01	0	Shop Drawings: Anchor bolts	Advanced Welding & Steel, Inc.	12/02/14	12/04/14					
		<i>David reviewing 12/3 - concurrent review</i>								
052100	STEEL JOIST FRAMING									
052100-01	0	Shop Drawings: Sector A	Advanced Welding & Steel, Inc.	12/03/14	12/04/14					
		<i>David reviewing 12/3 - concurrent review</i>								
052100-02	0	Shop Drawings: Sectors B and C	Advanced Welding & Steel, Inc.	12/08/14	12/09/14					
		<i>David reviewing 12/9 - concurrent review</i>								
053100	STEEL DECKING									
053100-01	0	Shop Drawings: Sector A	Advanced Welding & Steel, Inc.	12/03/14	12/04/14					
		<i>David reviewing 12/3 - concurrent review</i>								
053100-02	0	Shop Drawings: Cell decking	Advanced Welding & Steel, Inc.	11/24/14	12/04/14					
		<i>David reviewing 12/3 - concurrent review</i>								
053100-03	0	Product Data	Advanced Welding & Steel, Inc.	12/03/14	12/04/14					
312000	EARTH MOVING									
312000-01	0	Product Data: 2.02	Jackson Luck Enterprises	11/25/14	12/04/14					
312333	TRENCHING AND BACKFILL									
312333-01	0	Product Data: 2.01	Jackson Luck Enterprises	11/25/14	12/04/14					
		<i>Submitted with 312000-01</i>								
333000	SANITARY SEWERAGE UTILITIES									
333000-01	0	Product Data: 2.01, 2.03 and 2.09	Jackson Luck Enterprises	11/25/14	12/04/14					
333913	SANITARY UTILITY SEWERAGE MANHOLE, FRAMES AND COVERS									
333913-01	0	Product Data: 2.01, 2.02, 2.04, 2.05, 2.06	Jackson Luck Enterprises	11/25/14	12/04/14					
334000	STORM DRAINAGE UTILITIES									
334000-01	0	Product Data: 2.17	Jackson Luck Enterprises	11/25/14	12/04/14					

Submittals
by Package

Spec	Submittal	Rev	Title	Subcontractor	Due Date	Sub to Todd	Todd to Arch	From Arch	Todd to Sub	Status
032000	CONCRETE REINFORCING									
	032000-01	0	Shop Drawings	Dixon Steel & Supply Co	12/12/14					
	032000-02	0	Product Data: Epoxy adhesives	Todd Construction, Inc.	12/26/14					
033000	CAST-IN-PLACE CONCRETE									
	033000-01	0	Product Data and Mix Designs	Eugene Sand & Gravel	12/12/14	12/01/14				
033511	CONCRETE FLOOR FINISHES									
	033511-01	0	Product Data		12/12/14					
	<i>Curranseal for moisture barrier mitigation</i>									
033543	POLISHED CONCRETE FINISHING									
	033543-01	0	Product Data	Sustainable Flooring Solutions	12/26/14					
	033543-02	0	Installation Instructions	Sustainable Flooring Solutions	12/26/14					
	033543-03	0	Certificates	Sustainable Flooring Solutions	12/26/14					
	033543-04	0	Samples for Selection	Sustainable Flooring Solutions	12/26/14					
034500	PRECAST ARCHITECTURAL CONCRETE									
	034500-01	0	Product Data		12/26/14					
	<i>Bertelson Precast</i>									
	034500-02	0	Fabricator Qualifications		12/26/14					
	<i>Bertelson Precast</i>									
	034500-03	0	Shop Drawings		12/26/14					
	<i>Bertelson Precast</i>									
	034500-04	0	Samples: 12 x 12 - illustrating surface finish, color and texture		12/26/14					
	<i>Bertelson Precast</i>									
	034500-05	0	Selection Samples: Each type and finish of extruded nosing		12/26/14					
	<i>Bertelson Precast</i>									
042000	UNIT MASONRY									
	042000-01	0	Product Data	Davidson's Masonry Inc	12/05/14	11/25/14				
	042000-02	0	Samples: 2 samples to illustrate color, texture and extremes of color range	Davidson's Masonry Inc		12/03/14				
051200	STRUCTURAL STEEL FRAMING									
	051200-01	0	Shop Drawings: Anchor bolts	Advanced Welding & Steel, Inc.		12/02/14	12/04/14			
	<i>David reviewing 12/3 - concurrent review</i>									
	051200-02	0	Samples: All required welds	Advanced Welding & Steel, Inc.	12/19/14					
	051200-03	0	Mill Test Reports	Advanced Welding & Steel, Inc.	12/19/14					

Todd Construction, Inc.

Job No: 14-24
Howard Elementary School

**Submittals
by Package**

Date: 12/9/2014

Spec	Submittal	Rev	Title	Subcontractor	Due Date	Sub to Todd	Todd to Arch	From Arch	Todd to Sub	Status	
	051200-04	0	Welders Certificates: Shop welders	Advanced Welding & Steel, Inc.	12/19/14						
	051200-05	0	Welders Certificates	American Ironworks & Erectors	12/19/14						
052100	STEEL JOIST FRAMING										
	052100-01	0	Shop Drawings: Sector A	Advanced Welding & Steel, Inc.		12/03/14	12/04/14				
	<i>David reviewing 12/3 - concurrent review</i>										
	052100-02	0	Shop Drawings: Sectors B and C	Advanced Welding & Steel, Inc.		12/08/14	12/09/14				
	<i>David reviewing 12/9 - concurrent review</i>										
	052100-03	0	Calculations	Advanced Welding & Steel, Inc.	12/19/14						
	052100-04	0	Welders Certificates: Shop welders	Advanced Welding & Steel, Inc.	12/19/14						
	052100-05	0	Delegated-Design Submittal	Advanced Welding & Steel, Inc.	12/19/14						
	052100-06	0	Welders Certificates	American Ironworks & Erectors	12/19/14						
053100	STEEL DECKING										
	053100-01	0	Shop Drawings: Sector A	Advanced Welding & Steel, Inc.		12/03/14	12/04/14				
	<i>David reviewing 12/3 - concurrent review</i>										
	053100-02	0	Shop Drawings: Cell decking	Advanced Welding & Steel, Inc.		11/24/14	12/04/14				
	<i>David reviewing 12/3 - concurrent review</i>										
	053100-03	0	Product Data	Advanced Welding & Steel, Inc.		12/03/14	12/04/14				
	053100-04	0	Certificates	Advanced Welding & Steel, Inc.	12/19/14						
	053100-05	0	Welders Certificates	American Ironworks & Erectors	01/30/15						
054000	COLD-FORMED METAL FRAMING										
	054000-01	0	Product Data	Cascade Acoustics Inc		12/26/14					
055000	METAL FABRICATIONS										
	055000-01	0	Shop Drawings	Advanced Welding & Steel, Inc.	12/19/14						
	055000-02	0	Anchor Bolt Setting Drawings and Installation Details	Advanced Welding & Steel, Inc.	12/19/14						
	055000-03	0	Welders Certificates: Shop welders	Advanced Welding & Steel, Inc.	12/19/14						
055100	METAL STAIRS AND RAILINGS										
	055100-01	0	Shop Drawings	Advanced Welding & Steel, Inc.	12/26/14						
	055100-02	0	Delegated-Design Submittal	Advanced Welding & Steel, Inc.	12/26/14						
	055100-03	0	Paint Compatibility Certificates	Advanced Welding & Steel, Inc.	12/26/14						
	055100-04	0	Welders Certificates		12/26/14						
	<i>American Ironworks</i>										
061000	ROUGH CARPENTRY										

Spec	Submittal	Rev	Title	Subcontractor	Due Date	Sub to Todd	Todd to Arch	From Arch	Todd to Sub	Status
061000-01		0	Product Data: Wood preservative materials		01/30/15					
062000	FINSISH CARPENTRY									
062000-01	MC Interiors	0	Product Data		02/27/15					
062000-02	MC Interiors	0	Shop Drawings		02/27/15					
062000-03	MC Interiors	0	Samples: Wood trim, wood panels, plastic laminate, salvaged lumber		02/27/15					
064100	ARCHITECTURAL WOOD CASEWORK									
064100-01	Fremont Millwork	0	Product Data		02/27/15					
064100-02	Fremont Millwork	0	Shop Drawings		02/27/15					
064100-03	Fremont Millwork	0	Samples for Selection: Thermostat decorative panels, transparent finishes, solid-surfacing materials		02/27/15					
064100-04	Fremont Millwork	0	Samples: pulls, hinges, shelf standards, locksets		02/27/15					
071300	SHEET WATERPROOFING									
071300-01		0	Product Data	LDC Inc	12/26/14					
071300-02		0	Installation Instructions	LDC Inc	12/26/14					
071300-03		0	Shop Drawings	LDC Inc	12/26/14					
071300-04		0	Preconstruction Test Reports	LDC Inc	12/26/14					
071300-05		0	Manufacturer's Statement (prior to covering of waterproofing work)	LDC Inc	02/27/15					
071900	WATER REPELLENTS									
071900-01	Western Partitions	0	Product Data		01/30/15					
071900-02	Western Partitions	0	Installation Instructions		01/30/15					
071900-03	Western Partitions	0	Manufacturer's Certificate		01/30/15					

Job No: 14-24
Howard Elementary School

Submittals
by Package

Date: 12/9/2014

Spec	Submittal	Rev	Title	Subcontractor	Due Date	Sub to Todd	Todd to Arch	From Arch	Todd to Sub	Status
	071900-04	0	Manufacturer's Statement: Water repellents and anti-graffiti are compatible		01/30/15					
	<i>Western Partitions</i>									
	071900-05	0	Manufacturer's Field Reports		06/26/15					
	<i>Western Partitions</i>									
072100	THERMAL INSULATION									
	072100-01	0	Product Data	Insulpro Projects Inc	01/30/15					
072500	WEATHER BARRIERS									
	072500-01	0	Product Data	Insulpro Projects Inc	01/30/15					
	072500-02	0	Installation Instructions	Insulpro Projects Inc	01/30/15					
	072500-03	0	Shop Drawings	Insulpro Projects Inc	01/30/15					
074113	METAL ROOF PANELS									
	074113-01	0	Product Data		01/30/15					
	074113-02	0	Shop Drawings		01/30/15					
	074113-03	0	Selection Samples: Color samples		01/30/15					
	074113-04	0	Test Reports		01/30/15					
	074113-05	0	Coordination Letter		01/30/15					
	074113-06	0	Field Quality Control Reports		01/30/15					
	074113-07	0	Verification Samples		01/30/15					
	074113-08	0	Delegated-Design Submittal		08/28/15					
074213	METAL WALL PANELS									
	074213-01	0	Shop Drawings		01/30/15					
	074213-02	0	Samples		01/30/15					
074233	EXTERIOR SOLID PHENOLIC RAINSCREEN PANEL									
	074233-01	0	Product Data		01/30/15					
	074233-02	0	Shop Drawings		01/30/15					
	074233-03	0	Samples: Rainscreen wall panels, aluminum support structure		01/30/15					
	074233-04	0	Installer Qualification Data		01/30/15					
	074233-05	0	Engineer Qualification Data		01/30/15					
	074233-06	0	Engineering Design Certification		01/30/15					
	074233-07	0	Delegated-Design Submittal		01/30/15					
074623	WOOD SIDING									

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	074623-01	0	Product Data		01/30/15					
	074623-02	0	Samples		01/30/15					
075400	THERMOPLASTIC MEMBRANE ROOFING									
	075400-01	0	Product Data		01/30/15					
	<i>Rock Roofing</i>									
	075400-02	0	Shop Drawings		01/30/15					
	<i>Rock Roofing</i>									
	075400-03	0	Installation Instructions		01/30/15					
	<i>Rock Roofing</i>									
	075400-04	0	Manufacturer's Certificate		01/30/15					
	<i>Rock Roofing</i>									
076200	SHEET METAL FLASHING AND TRIM									
	076200-01	0	Shop Drawings		01/30/15					
077200	ROOF ACCESSORIES									
	077200-01	0	Product Data: Roof hatches		01/30/15					
	077200-02	0	Product Data: Davit crane	Galifco Oregon	01/30/15					
077273	FALL ARREST ROOF ANCHORS									
	077273-01	0	Product Data	Acme Construct Supply Co Inc	01/30/15					
	077273-02	0	Installation Instructions	Acme Construct Supply Co Inc	01/30/15					
	077273-03	0	Shop Drawings	Acme Construct Supply Co Inc	01/30/15					
	077273-04	0	Delegated-Design Submittal	Acme Construct Supply Co Inc	01/30/15					
078400	FIRESTOPPING									
	078400-01	0	Product Data: Gypsum Board Assemblies	Cascade Acoustics Inc	01/30/15					
	078400-02	0	Product Data: Expansion Joint Cover Assemblies		01/30/15					
	<i>Dennison Finn</i>									
	078400-03	0	Product Data: Fire Suppression	BDH Fire Protection Systems	01/30/15					
	078400-04	0	Product Data: Plumbing	Hydro-Temp Mechanical Inc	01/30/15					
	078400-05	0	Product Data: HVAC	Hydro-Temp Mechanical Inc	01/30/15					
	078400-06	0	Product Data: Electrical	Scotfield Electric Co	01/30/15					
079005	JOINT SEALERS									
	079005-01	0	Product Data	Sawtooth Caulking Inc	02/13/15					
	079005-02	0	Installation Instructions	Sawtooth Caulking Inc	02/13/15					

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	079005-03	0	Joint Sealant Schedule	Sawtooth Caulking Inc	02/13/15					
	079005-04	0	Sealant, Waterproofing and Restoration Institute Validation Certificate	Sawtooth Caulking Inc	02/13/15					
	079005-05	0	Selection Samples	Sawtooth Caulking Inc	02/13/15					
	079005-06	0	Preconstruction Field-Adhesion Test Reports	Sawtooth Caulking Inc	07/31/15					
079513	EXPANSION JOINT COVER ASSEMBLIES									
	079513-01	0	Product Data		02/13/15					
	<i>Dennison Finn</i>									
	079513-02	0	Installation Instructions		02/13/15					
	<i>Dennison Finn</i>									
	079513-03	0	Shop Drawings		02/13/15					
	<i>Dennison Finn</i>									
081113	HOLLOW METAL DOORS AND FRAMES									
	081113-01	0	Product Data	Bell Hardware of Eugene	12/12/14					
	081113-02	0	Installation Instructions	Bell Hardware of Eugene	12/12/14					
	081113-03	0	Shop Drawings	Bell Hardware of Eugene	12/12/14					
	081113-04	0	Schedule	Bell Hardware of Eugene	12/12/14					
	081113-05	0	Product Test Reports	Bell Hardware of Eugene	12/12/14					
	081113-06	0	Manufacturer's Certificate	Bell Hardware of Eugene	12/12/14					
081416	FLUSH WOOD DOORS									
	081416-01	0	Product Data	Bell Hardware of Eugene	12/26/14					
	081416-02	0	Installation Instructions	Bell Hardware of Eugene	12/26/14					
	081416-03	0	Shop Drawings	Bell Hardware of Eugene	12/26/14					
	081416-04	0	Sample Warranty	Bell Hardware of Eugene	12/26/14					
	081416-05	0	Samples	Bell Hardware of Eugene	12/26/14					
083100	ACCESS DOORS AND PANELS									
	083100-01	0	Product Data		12/26/14					
	083100-02	0	Installation Instructions		12/26/14					
083323	OVERHEAD COILING DOORS									
	083323-01	0	Shop Drawings	Overhead Door Co of Eugene	01/30/15					
	083323-02	0	Manufacturer's Instructions	Overhead Door Co of Eugene	01/30/15					
083613	SECTIONAL DOORS									

Spec	Submittal	Rev	Title	Subcontractor	Due Date	Sub to Todd	Todd to Arch	From Arch	Todd to Sub	Status
	083613-01	0	Product Data	Overhead Door Co of Eugene	01/30/15					
	083613-02	0	Installation Instructions	Overhead Door Co of Eugene	01/30/15					
	083613-03	0	Shop Drawings	Overhead Door Co of Eugene	01/30/15					
084229	AUTOMATIC ENTRANCES									
	084229-01	0	Product Data		12/19/14					
	<i>Culver Glass</i>									
	084229-02	0	Installation Instructions		12/19/14					
	<i>Culver Glass</i>									
	084229-03	0	Shop Drawings		12/19/14					
	<i>Culver Glass</i>									
084313	ALUMINUM- FRAMED STOREFRONTS									
	084313-01	0	Product Data		12/19/14					
	<i>Culver Glass</i>									
	084313-02	0	Shop Drawings		12/19/14					
	<i>Culver Glass</i>									
	084313-03	0	Hardware Schedule		12/19/14					
	<i>Culver Glass</i>									
	084313-04	0	Samples		12/19/14					
	<i>Culver Glass</i>									
	084313-05	0	Manufacturer's Certificate		12/19/14					
	<i>Culver Glass</i>									
	084313-06	0	Energy Performance Certificates		12/19/14					
	<i>Culver Glass</i>									
	084313-07	0	Delegated-Design Submittal		12/19/14					
	<i>Culver Glass</i>									
	084313-08	0	Field Testing Reports: Water leakage		08/28/15					
	<i>Culver Glass</i>									
084413	GLAZED ALUMINUM CURTAIN WALLS									
	084413-01	0	Product Data		12/19/14					
	<i>Culver Glass</i>									
	084413-02	0	Shop Drawings		12/19/14					
	<i>Culver Glass</i>									
	084413-03	0	Samples		12/19/14					
	<i>Culver Glass</i>									

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	084413-04 <i>Culver Glass</i>	0	Test Reports		12/19/14					
	084413-05 <i>Culver Glass</i>	0	Design Data		12/19/14					
	084413-06 <i>Culver Glass</i>	0	Manufacturer's Certificate		12/19/14					
	084413-07 <i>Culver Glass</i>	0	Fenestration Certificate		12/19/14					
	084413-08 <i>Culver Glass</i>	0	Delegated-Design Submittal		12/19/14					
	084413-09 <i>Culver Glass</i>	0	Field Testing Reports: Water leakage		08/28/15					
085113	TRANSACTION WINDOW									
	085113-01 <i>Culver Glass</i>	0	Product Data		12/19/14					
	085113-02 <i>Culver Glass</i>	0	Certification		12/19/14					
	085113-03 <i>Culver Glass</i>	0	Shop Drawings		12/19/14					
086300	METAL- FRAMED SKYLIGHTS									
	086300-01	0	Product Data	Lacey Glass	12/26/14					
	086300-02	0	Installation Instructions	Lacey Glass	12/26/14					
	086300-03	0	Performance Validation	Lacey Glass	12/26/14					
	086300-04	0	Shop Drawings	Lacey Glass	12/26/14					
	086300-05	0	Delegated-Design Submittal	Lacey Glass	12/26/14					
	086300-06	0	Samples	Lacey Glass	12/26/14					
	086300-07	0	Test Reports	Lacey Glass	12/26/14					
	086300-08	0	Product Data: Structural glazing adhesive	Lacey Glass	12/26/14					
	086300-09	0	Field Testing Reports: Water leakage	Lacey Glass	08/28/15					
087100	DOOR HARDWARE									
	087100-01	0	Hardware Schedule	Bell Hardware of Eugene	12/26/14					
	087100-02	0	Installation Instructions	Bell Hardware of Eugene	12/26/14					
088000	GLAZING									

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	088000-01 <i>Culver Glass</i>	0	Product Data		02/27/15					
	088000-02 <i>Culver Glass</i>	0	Samples		02/27/15					
	088000-03 <i>Culver Glass</i>	0	Shop Drawings		02/27/15					
088723	DECORATIVE GLAZING FILMS									
	088723-01 <i>Culver Glass</i>	0	Samples for Color Selection		02/27/15					
	088723-02 <i>Culver Glass</i>	0	Samples for Verification		03/03/15					
089100	LOUVERS									
	089100-01	0	Product Data	R&S Manufacturing and Sales	01/30/15					
	089100-02	0	Shop Drawings	R&S Manufacturing and Sales	01/30/15					
	089100-03	0	Test Reports	R&S Manufacturing and Sales	01/30/15					
092116	GYPSUM BOARD ASSEMBLIES									
	092116-01	0	Product Data	Cascade Acoustics Inc	01/30/15					
	092116-02	0	Test Reports	Cascade Acoustics Inc	01/30/15					
093000	TILING									
	093000-01	0	Product Data		03/27/15					
	093000-02	0	Shop Drawings		03/27/15					
	093000-03	0	Manufacturer's Certificate		03/27/15					
095100	ACOUSTICAL CEILINGS									
	095100-01	0	Product Data	Cascade Acoustics Inc	03/27/15					
	095100-02	0	Installation Instructions	Cascade Acoustics Inc	03/27/15					
	095100-03	0	Samples	Cascade Acoustics Inc	03/27/15					
	095100-04	0	Delegated-Design Submittal	Cascade Acoustics Inc	03/27/15					
095426	WOOD CEILINGS									
	095426-01	0	Product Data	Cascade Acoustics Inc	03/27/15					
	095426-02	0	Installation Instructions	Cascade Acoustics Inc	03/27/15					
	095426-03	0	Samples	Cascade Acoustics Inc	03/27/15					
	095426-04	0	Shop Drawings	Cascade Acoustics Inc	03/27/15					
096466	WOOD ATHLETIC FLOORING									

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	096466-01	0	Product Data	Soriano Floor Finishing LLC	03/27/15					
	096466-02	0	Shop Drawings	Soriano Floor Finishing LLC	03/27/15					
	096466-03	0	Selection Samples: Floor finish, game-line and marker paint and vented base	Soriano Floor Finishing LLC	03/27/15					
	096466-04	0	Samples for Verification	Soriano Floor Finishing LLC	04/10/15					
	096466-05	0	Installer Qualification Data	Soriano Floor Finishing LLC	03/27/15					
096500	RESILIENT FLOORING									
	096500-01	0	Product Data	Rubenstein's Contract Crpt LLC	03/27/15					
	096500-02	0	Verification Samples	Rubenstein's Contract Crpt LLC	03/27/15					
096813	TILE CARPETING									
	096813-01	0	Product Data	Rubenstein's Contract Crpt LLC	03/27/15					
	096813-02	0	Installation Instructions	Rubenstein's Contract Crpt LLC	03/27/15					
	096813-03	0	Shop Drawings	Rubenstein's Contract Crpt LLC	03/27/15					
	096813-04	0	Samples: Carpet tiles and edge strip	Rubenstein's Contract Crpt LLC	03/27/15					
097733	GLASS FIBER REINFORCED PLASTIC PANELS									
	097733-01	0	Samples		03/27/15					
	<i>Trojan Wall Products</i>									
098405	ACOUSTICAL WALL PANELS									
	098405-01	0	Product Data		03/27/15					
	Snap- <i>Tex</i>									
	098405-02	0	Shop Drawings		03/27/15					
	Snap- <i>Tex</i>									
	098405-03	0	Selection Samples		03/27/15					
	Snap- <i>Tex</i>									
099000	PAINTING AND COATING									
	099000-01	0	Product Data and Manufacturer's Instructions		03/27/15					
	<i>Western Partitions</i>									
	099000-02	0	Certification		03/27/15					
	<i>Western Partitions</i>									
	099000-03	0	Samples: Drawdowns		03/27/15					
	<i>Western Partitions</i>									
099600	HIGH PERFORMANCE COATINGS									

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	099600-01	0	Product List		03/27/15					
	<i>Western Partitions</i>									
	099600-02	0	Product Data and Installation Instructions		03/27/15					
	<i>Western Partitions</i>									
	099600-03	0	Samples for Verification		03/27/15					
	<i>Western Partitions</i>									
101101	VISUAL DISPLAY BOARDS									
	101101-01	0	Product Data and Installation Instructions		03/27/15					
	101101-02	0	Shop Drawings		03/27/15					
	101101-03	0	Samples		03/27/15					
101400	SIGNAGE									
	101400-01	0	Product Data	ES&A Sign Corp	04/24/15					
	101400-02	0	Shop Drawings	ES&A Sign Corp	04/24/15					
	101400-03	0	Signage Schedule	ES&A Sign Corp	04/24/15					
	101400-04	0	Delegated-Design Submittal	ES&A Sign Corp	04/24/15					
102113.19	PLASTIC TOILET COMPARTMENTS									
	102113.19-01	0	Product Data and Installation Instructions	WH Cress Company Inc						
	102113.19-02	0	Shop Drawings	WH Cress Company Inc						
	102113.19-03	0	Samples	WH Cress Company Inc						
102123	CUBICLES									
	102123-01	0	Product Data and Installation Instructions	WH Cress Company Inc	04/24/15					
	102123-02	0	Shop Drawings	WH Cress Company Inc	04/24/15					
	102123-03	0	Samples	WH Cress Company Inc	04/24/15					
102226	FOLDING PANEL PARTITIONS									
	102226-01	0	Product Data	Barclay Dean Architectural Pdt	12/12/14					
	102226-02	0	Manufacturer's Instructions	Barclay Dean Architectural Pdt	12/12/14					
	102226-03	0	Certificates	Barclay Dean Architectural Pdt	12/12/14					
	102226-04	0	Shop Drawings	Barclay Dean Architectural Pdt	12/12/14					
	102226-05	0	Samples for Review	Barclay Dean Architectural Pdt	12/12/14					
102601	WALL AND CORNER GUARDS									
	102601-01	0	Samples	Wallguard	01/30/15					
102800	TOILET, BATH, AND LAUNDRY ACCESSORIES									

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104400	102800-01	0	Product Data	WH Cress Company Inc	01/30/15					
	FIRE PROTECTION SPECIALTIES									
	104400-01	0	Product Data and Installation Instructions	WH Cress Company Inc	01/30/15					
	104400-02	0	Shop Drawings	WH Cress Company Inc	01/30/15					
105100	LOCKERS									
	105100-01	0	Product Data		01/30/15					
	105100-02	0	Shop Drawings		01/30/15					
107500	FLAGPOLES									
	107500-01	0	Product Data		02/27/15					
	107500-02	0	Shop Drawings	Elmer's Flag & Banner	02/27/15					
114000	FOODSERVICE EQUIPMENT									
	114000-01	0	Rough-In Drawings	Smith & Greene Company	12/12/14					
	114000-02	0	Shop Drawings	Smith & Greene Company	12/12/14					
	114000-03	0	Product Data	Smith & Greene Company	12/12/14					
115213	PROJECTION SCREENS									
	115213-01	0	Product Data	WH Cress Company Inc	01/30/15					
116143	STAGE CURTAINS AND RIGGING									
	116143-01	0	Product Data	Stagecraft Industries Inc	01/30/15					
	116143-02	0	Certification	Stagecraft Industries Inc	01/30/15					
	116143-03	0	Shop Drawings	Stagecraft Industries Inc	01/30/15					
	116143-04	0	Selection Samples: Fabric	Stagecraft Industries Inc	01/30/15					
116623	GYMNASIUM EQUIPMENT									
	116623-01	0	Product Data	NW School Equipment Inc	01/30/15					
	116623-02	0	Shop Drawings	NW School Equipment Inc	01/30/15					
	116623-03	0	Erection Drawings	NW School Equipment Inc	01/30/15					
	116623-04	0	Selection Samples: Backstop cushion molding and wall pad coverings	NW School Equipment Inc	01/30/15					
	116623-05	0	Verification Samples: Backstop cushion molding and wall pad coverings	NW School Equipment Inc	02/13/15					
118227	WASTE COMPACTORS									
	118227-01	0	Product Data and Installation Instructions	Wessco	12/19/14					
	118227-02	0	Shop Drawings	Wessco	12/19/14					
122400	WINDOW SHADES									

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	122400-01	0	Product Data	Roll-A-Shade	03/27/15						
	122400-02	0	Shop Drawings	Roll-A-Shade	03/27/15						
	122400-03	0	Window Treatment Schedule	Roll-A-Shade	03/27/15						
	122400-04	0	Certificates	Roll-A-Shade	03/27/15						
	122400-05	0	Source Quality Control Submittals	Roll-A-Shade	03/27/15						
	122400-06	0	Selection Samples	Roll-A-Shade	03/27/15						
	122400-07	0	Verification Samples	Roll-A-Shade	04/10/15						
	125210 UPHOLSTERED SEATING										
	125210-01	0	Product Data		03/27/15						
	125210-02	0	Shop Drawings		03/27/15						
	125210-03	0	Samples		03/27/15						
	129300 SITE FURNISHINGS										
	129300-01	0	Product Data		03/27/15						
	129300-02	0	Samples		03/27/15						
	129313 BICYCLE RACKS										
	129313-01	0	Product Data	Huntico Supply LLC	03/27/15						
	142010 PASSENGER ELEVATORS										
	142010-01	0	Product Data	Otis Elevator Company	12/12/14						
	142010-02	0	Shop Drawings	Otis Elevator Company	12/12/14						
	142010-03	0	Verification Samples: Plastic laminate	Otis Elevator Company	12/12/14						
	142010-04	0	Samples: Cab interior finishes, cab and hoistway door and frame finishes and handrail material	Otis Elevator Company	12/12/14						
	142010-05	0	Manufacturer Confirmation	Otis Elevator Company	12/12/14						
	142010-06	0	Manufacturer Qualification Data	Otis Elevator Company	12/12/14						
	210500 COMMON WORK RESULTS FOR FIRE SUPPRESSION										
	210500-01	0	Shop Drawings	BDH Fire Protection Systems	12/19/14						
	210500-02	0	Product Data	BDH Fire Protection Systems	12/19/14						
	220514 VARIABLE FREQUENCY DRIVES FOR PLUMBING EQUIPMENT										
	220514-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14						
	220518 PLUMBING EXPANSION COMPENSATION										
	220518-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14						
	220518-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14						

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220519	METERS AND GAGES FOR PLUMBING									
	220519-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
220523	GENERAL DUTY VALVES AND SPECIALTIES FOR PLUMBING									
	220523-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
220529	HANGERS SUPPORTS AND ANCHORS FOR PLUMBING									
	220529-01	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
220548	VIBRATION AND SEISMIC CONTROLS FOR PLUMBING PIPING AND EQUIPMENT									
	220548-01	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
	220548-02	0	Product Data and Calculations for Isolators	Hydro-Temp Mechanical Inc	12/19/14					
220553	IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT									
	220553-01	0	Valve Tag Directory	Hydro-Temp Mechanical Inc	12/19/14					
	220553-02	0	Equipment Nameplate Directory	Hydro-Temp Mechanical Inc	12/19/14					
220700	INSULATION FOR PLUMBING									
	220700-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
221415	RAINWATER RECLAMATION SYSTEM									
	221415-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	221415-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
222113	PIPE AND PIPE FITTINGS PLUMBING									
	222113-01	0	List of Piping Materials (do not include product data)	Hydro-Temp Mechanical Inc	12/19/14					
	<i>Per 22 21 13 1.4 A 1</i>									
	222113-02	0	Product Data: Items per 22 21 13 1.4 A 2	Hydro-Temp Mechanical Inc	12/19/14					
222123	PUMPS FOR PLUMBING									
	222123-01	0	Product Data: Per 22 21 23 1.4 A 1	Hydro-Temp Mechanical Inc	12/19/14					
222500	PLUMBING WATER TREATMENT									
	222500-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	222500-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
223000	PLUMBING EQUIPMENT									
	223000-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
224000	PLUMBING FIXTURES									
	224000-01	0	Product Data with Mounting Heights	Hydro-Temp Mechanical Inc	12/19/14					
230514	VARIABLE FREQUENCY DRIVES FOR HVAC EQUIPMENT									
	230514-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					

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230514-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14						
230518 HVAC EXPANSION COMPENSATION										
230518-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14						
230518-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14						
230518-03	0	Structural Details and Calculations	Hydro-Temp Mechanical Inc	12/19/14						
230519 METERS AND GAGES FOR HVAC PIPING										
230519-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14						
230523 GENERAL DUTY VALVES AND SPECIALTIES FOR HVAC										
230523-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14						
230523-02	0	Balancing Valve Schedule	Hydro-Temp Mechanical Inc	12/19/14						
230529 HANGERS, SUPPORTS AND ANCHORS FOR HVAC										
230529-01	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14						
230529-02	0	Structural Details and Calculations	Hydro-Temp Mechanical Inc	12/19/14						
230548 VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT										
230548-01	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14						
230548-02	0	Product Data and Calculation Sheets for Isolators	Hydro-Temp Mechanical Inc	12/19/14						
230548-03	0	Structural Details and Calculations	Hydro-Temp Mechanical Inc	12/19/14						
230553 IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT										
230553-01	0	Valve Tag Directory	Hydro-Temp Mechanical Inc	12/19/14						
230553-02	0	Equipment Nameplate Directory	Hydro-Temp Mechanical Inc	12/19/14						
230700 INSULATION FOR HVAC										
230700-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14						
232113 PIPE AND PIPE FITTING HVAC										
232113-01	0	List of Piping Materials (do not include product data)	Hydro-Temp Mechanical Inc	12/19/14						
232113-02	0	Product Data: Items per 23 21 13 1.4 A 2	Hydro-Temp Mechanical Inc	12/19/14						
232123 PUMPS FOR HVAC SYSTEMS										
232123-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14						
232500 HVAC WATER TREATMENT										
232500-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14						
232500-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14						
233101 HVAC DUCTS AND CASING- LOW PRESSURE										

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	233101-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	233101-02	0	Schedule of Duct Construction Standards	Hydro-Temp Mechanical Inc	12/19/14					
	233101-03	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
233300	AIR DUCT ACCESSORIES									
	233300-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
233319	DUCT SILENCERS									
	233319-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
233400	HVAC FANS									
	233400-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	233400-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
233600	AIR TERMINAL UNITS									
	233600-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
233700	AIR OUTLETS AND INLETS									
	233700-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	233700-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
234000	HVAC AIR CLEANING DEVICES									
	234000-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	234000-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
235100	BREECHINGS, CHIMNEYS, AND STACKS									
	235100-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	235100-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
	235100-03	0	Sizing Analysis of Each System	Hydro-Temp Mechanical Inc	12/19/14					
235200	HEATING BOILERS									
	235200-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	235200-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
236400	PACKAGED WATER CHILLERS									
	236400-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	236400-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
237000	CENTRAL HVAC EQUIPMENT									
	237000-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	237000-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
238100	DECENTRALIZED UNITARY HVAC EQUIPMENT									
	238100-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	238100-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					

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	238100-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	238100-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
	238200 CONVECTION HEATING AND COOLING UNITS									
	238200-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	238410 ELECTRIC HEATING EQUIPMENT									
	238410-01	0	Product Data	Hydro-Temp Mechanical Inc	12/19/14					
	238410-02	0	Shop Drawings	Hydro-Temp Mechanical Inc	12/19/14					
	260519 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES									
	260519-01	0	Product Data	Scofield Electric Co	12/19/14					
	260535 SOUND SYSTEM RACEWAY									
	260535-01	0	Shop Drawings	Scofield Electric Co	12/19/14					
	260536 CABLE TRAYS FOR ELECTRICAL SYSTEMS									
	260536-01	0	Product Data	Scofield Electric Co	12/19/14					
	260536-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
	260543 UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS									
	260543-01	0	Shop Drawings	Scofield Electric Co	12/12/14					
	260543-02	0	Duct-Bank Coordination Drawings	Scofield Electric Co	12/12/14					
	260573 OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY									
	260573-01	0	Coordination Study	Scofield Electric Co	12/19/14					
	260573-02	0	Device Setting Recommendations	Scofield Electric Co	12/19/14					
	260573-03	0	Arc Flash Hazard Analysis and Report	Scofield Electric Co	12/19/14					
	260573-04	0	Arc Flash Equipment Labeling Recommendations	Scofield Electric Co	12/19/14					
	260573-05	0	Arc Flash Label Example	Scofield Electric Co	12/19/14					
	260630 PHOTOVOLTAIC SYSTEM									
	260630-01	0	Product Data	Scofield Electric Co	12/19/14					
	260630-02	0	Shop Drawings and Calculations	Scofield Electric Co	12/19/14					
	262200 LOW-VOLTAGE TRANSFORMERS									
	262200-01	0	Product Data	Scofield Electric Co	12/19/14					
	262200-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
	262413 SWITCHBOARDS									
	262413-01	0	Product Data	Scofield Electric Co	12/19/14					
	262413-02	0	Shop Drawings	Scofield Electric Co	12/19/14					

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262416 PANELBOARDS										
	262416-01	0	Product Data	Scofield Electric Co	12/19/14					
	262416-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
262726 WIRING DEVICES										
	262726-01	0	Product Data	Scofield Electric Co	12/19/14					
	262726-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
262900 MOTOR CONTROLLERS										
	262900-01	0	Product Data	Scofield Electric Co	12/19/14					
	262900-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
263213 ENGINE GENERATORS										
	263213-01	0	Product Data	Scofield Electric Co	12/19/14					
	263213-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
263623 AUTOMATIC TRANSFER SWITCHES										
	263623-01	0	Product Data	Scofield Electric Co	12/19/14					
	263623-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
265000 LIGHTING										
	265000-01	0	Product Data	Scofield Electric Co	12/19/14					
270528 PATHWAYS FOR COMMUNICATIONS SYSTEMS										
	270528-01	0	Product Data	Scofield Electric Co	12/19/14					
270528.29 HANGERS AND SUPPORTS FOR COMMUNICATIONS SYSTEMS										
	270528.29-01	0	Product Data	Scofield Electric Co	12/19/14					
270528.36 CABLE TRAYS FOR COMMUNICATIONS SYSTEMS										
	270528.36-01	0	Shop Drawings	Scofield Electric Co						
	270528.36-02	0	Product Data and Installation Instructions	Scofield Electric Co						
274116.62 SOUND SYSTEMS										
	274116.62-01	0	Shop Drawings	Scofield Electric Co						
274119 INTEGRATED AUDIO-VISUAL SYSTEMS AND EQUIPMENT										
	274119-01	0	Product Data	Scofield Electric Co	12/19/14					
	274119-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
275113 PAGING SYSTEMS										
	275113-01	0	Product Data	Scofield Electric Co	12/19/14					
	275113-02	0	Shop Drawings/Wiring Diagrams	Scofield Electric Co	12/19/14					

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275313 CLOCK SYSTEMS										
	275313-01	0	Product Data	Scofield Electric Co	12/19/14					
	275313-02	0	Samples	Scofield Electric Co	12/19/14					
275319 DISTRIBUTED ANTENNA SYSTEM										
	275319-01	0	Product Data	Scofield Electric Co	12/19/14					
	275319-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
281313 ACCESS CONTROL APPLICATIONS										
	281313-01	0	Product Data	Scofield Electric Co	12/19/14					
281316 ACCESS CONTROL SYSTEM AND DATABASE MANAGEMENT										
	281316-01	0	Product Data	Scofield Electric Co	12/19/14					
281319 ACCESS CONTROL INFRASTRUCTURE										
	281319-01	0	Product Data	Scofield Electric Co	12/19/14					
	281319-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
281326 ACCESS CONTROL REMOTE DEVICES										
	281326-01	0	Product Data	Scofield Electric Co	12/19/14					
	281326-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
281333 ACCESS CONTROL INTERFACES										
	281333-01	0	Product Data	Scofield Electric Co	12/19/14					
281343 ACCESS CONTROL IDENTIFICATION MANAGEMENT										
	281343-01	0	Product Data	Scofield Electric Co	12/19/14					
	281343-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
281619 INTRUSION DETECTION REMOTE DEVICES										
	281619-01	0	Product Data	Scofield Electric Co	12/19/14					
	281619-02	0	Shop Drawings	Scofield Electric Co	12/19/14					
283001 FIRE DETECTION AND COMMUNICATIONS										
	283001-01	0	Shop Drawings	Scofield Electric Co	12/19/14					
	283001-02	0	Product Data with Wiring Schematics	Scofield Electric Co	12/19/14					
	283001-03	0	Battery and Voltage Drop Calculations	Scofield Electric Co	12/19/14					
312000 EARTH MOVING										
	312000-01	0	Product Data: 2.02	Jackson Luck Enterprises	11/25/14		12/04/14			
	312000-02	0	Samples: Select fill and granular site fill	Jackson Luck Enterprises	12/12/14					
	312000-03	0	Field Tests	Jackson Luck Enterprises						

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312333	TRENCHING AND BACKFILL									
	312333-01	0	Product Data: 2.01	Jackson Luck Enterprises		11/25/14	12/04/14			
	<i>Submitted with 312000-01</i>									
	312333-02	0	Field Tests	Jackson Luck Enterprises						
312500	EROSION CONTROL									
	312500-01	0	Product Data	Jackson Luck Enterprises	12/12/14					
321200	FLEXIBLE PAVING									
	321200-01	0	Product Data	Eugene Sand Construction	04/24/15					
	321200-02	0	Field Tests	Eugene Sand Construction						
321313	CONCRETE PAVING									
	321313-01	0	Joint Layout Drawings		04/24/15					
321600	CONCRETE CURBS AND GUTTERS									
	321600-01	0	Joint Layout Drawings		04/24/15					
321610	CONCRETE SIDEWALKS									
	321610-01	0	Joint Layout Drawings		04/24/15					
	321610-02	0	Samples		04/24/15					
321713	PARKING BUMPERS									
	321713-01	0	Product Data	H20 Contractors & NW Striping	04/24/15					
321723.13	PAINTED PAVEMENT MARKERS									
	321723.13-01	0	Product Data	H20 Contractors & NW Striping						
323113	CHAIN LINK FENCES AND GATES									
	323113-01	0	Product Data		04/24/15					
	323113-02	0	Shop Drawings		04/24/15					
323119	DECORATIVE METAL FENCES AND GATES									
	323119-01	0	Product Data	Advanced Welding & Steel, Inc.	04/24/15					
	323119-02	0	Shop Drawings	Advanced Welding & Steel, Inc.	04/24/15					
	323119-03	0	Calculations	Advanced Welding & Steel, Inc.	04/24/15					
	323119-04	0	Delegated-Design Submittal	Advanced Welding & Steel, Inc.	04/24/15					
	323119-05	0	Welders' Certificates		04/24/15					
	323119-06	0	Installer's Qualification Statement		04/24/15					
328000	IRRIGATION									
	328000-01	0	Product Data		02/27/15					

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329000	329000-02	0	Quality Assurance Data		02/27/15					
	PLANTING									
	329000-01	0	Product Data		04/24/15					
	329000-02	0	Plant List		04/24/15					
	329000-03	0	Quality Assurance Data		04/24/15					
	329000-04	0	Sample: Soil material		04/24/15					
	329000-05	0	Invoices: Organic material and mulch		04/24/15					
	WATER UTILITIES									
	331000-01	0	Product Data	Jackson Luck Enterprises	12/08/14					
	331000-02	0	Shop Drawings	Jackson Luck Enterprises	12/08/14					
	331000-03	0	Field Tests	Jackson Luck Enterprises						
	SANITARY SEWERAGE UTILITIES									
	333000-01	0	Product Data: 2.01, 2.03 and 2.09	Jackson Luck Enterprises		11/25/14	12/04/14			
	333000-02	0	Field Tests	Jackson Luck Enterprises						
	SANITARY UTILITY SEWERAGE MANHOLE, FRAMES AND COVERS									
	333913-01	0	Product Data: 2.01, 2.02, 2.04, 2.05, 2.06	Jackson Luck Enterprises		11/25/14	12/04/14			
	333913-02	0	Field Tests	Jackson Luck Enterprises						
	STORM DRAINAGE UTILITIES									
	334000-01	0	Product Data: 2.17	Jackson Luck Enterprises		11/25/14	12/04/14			
	334000-02	0	Field Tests	Jackson Luck Enterprises						
	SUBDRAINAGE									
	334600-01	0	Shop Drawings	Jackson Luck Enterprises	12/08/14					
	STORM DRAINAGE MANHOLES, FRAMES AND COVERS									
	334913-01	0	Product Data: Manholes, frames and covers	Jackson Luck Enterprises	12/08/14					
	334913-02	0	Field Tests	Jackson Luck Enterprises						