

Meeting Minutes

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

Meeting: Owner/Architect/GC # 45
Date: 10/21/15
Start Time: 9:00:00AM

Attendees

Attended

- | | |
|---|---|
| <input checked="" type="checkbox"/> David Haggard (Todd Construction, Inc.) | <input checked="" type="checkbox"/> Adam Davidson (PIVOT Architecture) |
| <input type="checkbox"/> John Stapleton (PIVOT Architecture) | <input type="checkbox"/> Ben Brantley (Eugene School District 4j) |
| <input checked="" type="checkbox"/> Harv Wingerd (Todd Construction, Inc.) | <input checked="" type="checkbox"/> Andy Turner (Todd Construction, Inc.) |
| <input checked="" type="checkbox"/> Ryan Spain (Eugene School District 4j) | <input checked="" type="checkbox"/> Allan Chinn (Eugene School District 4j) |
| <input type="checkbox"/> Bill Goggin (Todd Construction, Inc.) | <input type="checkbox"/> Scott Clarke (PIVOT Architecture) |
| <input checked="" type="checkbox"/> Dexter Rummel (Eugene School District 4j) | <input checked="" type="checkbox"/> Monte Carothers (Todd Construction, Inc.) |

| Item | Description | Responsible | Due Date | Closed |
|---------------------|---|--------------------|----------|--------------------------|
| Old Business | | | | |
| 0-1 | Schedule | Information | | <input type="checkbox"/> |
| | 10/21 - David reviewed the 3- week schedule (see attached). A new project schedule showing the remaining work was provided to the team for review. Andy will be on vacation from 10/26 -11/04. | | | |
| 0-2 | Safety/Security | Information | | <input type="checkbox"/> |
| | 10/21 - A theft was reported from Hydro-Temp over the weekend. A assortment of copper fittings were taken from the boiler room. Hydro-Temp is putting together a list of missing items and David has filed a police report with the City of Eugene. Todd has recommended to 4J that the site tours for school age kids be postponed until after Thanks Giving due to the volume of work currently. | | | |
| 0-3 | RFIs | Information | | <input type="checkbox"/> |
| | 10/21 - Reviewed Unanswered RFI Log dated 10/20/15 (see attached). RFIs Reviewed 472 - Projector to Screen Connection - Mike Bode of Huser is looking into AMX savings. 495 - Confirming RFI - Box Beam Support at Rooms - EOR reviewing Cascade's support method. 498 - Soffit Framing at New Gym Projection Screen Location - | | | |
| 0-4 | CORs | Information | | <input type="checkbox"/> |
| | 10/21 - Reviewed attached COR log dated 10/20/15 (See attached). See attached 30 Day Unsubmitted COR Report for additional tracking information. | | | |
| 0-5 | Submittals | Information | | <input type="checkbox"/> |
| | 10/21 - Reviewed attached submittal awaiting review log dated 10/20/15 (see attached). 052100 - Steel Joist Framing - Delegated-Design - Sent to CoE 093000 - Tiling - Pivot reviewing. 321610 - Concrete Sidewalks - Colored glass samples are being reviewed by the Landscape designer. Approved. Additional concrete mockup samples have been requested by the design team. | | | |

Per Adam CoE needs to review the stair shop drawings as part of the deffered submittal process.

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| 0-6 | Hot Items | Information | | <input type="checkbox"/> |
| | 10/21 - Numerous resubmittals needed Long Lead Item Schedule Louvers HVAC Dry Side - Sector A Schedule Rock Roofing - Todd to assist with manpower, Rock has 8 men onsite. Convergent Revised Submittal | | | |
| 5-3 | Pivot PCO Report | Information | | <input type="checkbox"/> |
| | See previous meeting minutes for past PCO Report information. 8/5 - No report - new items this week PR 32 - Revised PV design. Advanced Energy created a one line drawing to demonstrate an option. Todd to submit for review. 8/12 - Adam reviewed current PCO report. Potential changes P092 MDF/IDF Room Cooling Layout, P098 Head Start Building Utilities. 8/19 - No new items. 8/26 - No new items. 9/2 - No new items. 9/9 - No new items. 9/16 - Ryan to review quiet room with Adam tomorrow. 4J to provide potential schedule dates for the Head Start water service work. 9/23 - P074 - Supergraphic Signage wall requires a level 5 finish. P103 - History Infographic Installation - in design. 9/30 - P098 Head Start PR ready to issue tomorrow 10/1. P092 MDF/IDF Duct configuration changes from Pivot next week. Super graphic design ready this week. 10/7 - P109 Exterior Personnel Gates Panel Revision - Gates with children cut outs will change to perforated gate with painted graphics. 10/14 - P099 - RFI 409 TT window change - Pivot expected a credit, Todd to check with Culver. RFI 112 Reclaimed Water Material - Pivot expected a credit from Hydro-Temp, Todd to request the credit as stated by Hydro-Temp in the RFI. RFI 417 Duct Routing/Size and Radiant Piping Changes - Todd tracking as COR 108 and will check with Hydro-Temp if this COR pricing is still needed. | | | |
| 14-1 | Landscape Well | Ryan Spain | | <input type="checkbox"/> |
| | 3/18 - 4J is planning to coordinate the installation of a new irrigation well. The well was not part of the construction documents but is needed to complete the current irrigation water design. 3/25 - 4J is looking at options and may run this as a COR through Todd. 4/01 - Ongoing 4/29 - Todd to provide a layout to locate the well site. 5/6 - Layout is provided. Todd to check what owner provided items are needed at the well. 5/13 - Ongoing 9/9 - Todd to verify that there are no schedule issues with holding off on the well until summer 2016. 9/16 - The location for the well is currently under the topsoil stock pile. Stockpile will need to be used from the well site first to provide early access to the well site. Todd to provide 4J with schedule dates for installation. 9/23 - Todd reviewed the removal of the stockpile from the well area with Jim Beck. Jim will start the moving the dirt from the well area. 9/30 - Ongoing 10/14 - 4J requested notification from Todd if any holes are noted in the documents due to the well information being vague. The 2" pipe from the well to the cistern and electrical pathway from the mechanical room to the well were areas of concern. Todd to verify that this scope will be installed and is covered. 10/21 - 4J has a meeting set up for Friday 10/23 with a well drilling firm. | | | |
| 14-2 | Non Compliance Issues | Information | | <input type="checkbox"/> |
| | 10/21 - See attached spreadsheet with progress noted. | | | |

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| 28-1 | Commissioning Issues See previous minutes for previous Commissioning Issues. 9/16 - The team has worked through the fire rated sleeper issue with Hydro-Temp. CMU block will be used as sleepers for the AHU's. Hydro-Temp has the material onsite now and should be starting installation at the mechanical mezzanines. 9/23 - Todd has 4 x 6 fire treated lumber available from a previous project. Todd offered it to Hydro-Temp but according to Andy Gross of Hydro-Temp the AHUs are already set. 9/30 - Ongoing 10/7 - Request a schedule from Hydro-Temp to set up the commissioning inspection. 10/21 - Todd held a HVAC Coordination meeting on Tuesday 10/20 with Hydro-Temp, Scofield & Clima-Tech. 4J will contact the commissioning agent for a site visit. Pivot & 4J would like notification prior to HVAC component start up, PAE and commissioning agent will need to be present. | Information | | <input type="checkbox"/> |
| 34-1 | Window Testing 8/5 - Culver will have one storefront ready to test and scheduled for 8/10. 8/12 - Due to vandalize the testing will be rescheduled. 8/19 - Check with Culver on available windows to test. 8/26 - Culver will have windows ready to water test on Sector C by the end of next week. 9/2 - Culver updated the schedule for window testing to the week of 9/14. 9/9 - Ongoing 9/30 - 4J to pick 3 windows to test after the meeting today. 10/7 - Team to check with Culver regarding QED testing schedule. 10/14 - Ongoing | Information | | <input type="checkbox"/> |
| 41-2 | Water Intrusion Monitoring 9/23 - Cascade will explore wall areas with water intrusion from the rain storm on 9/17. Todd to provide photo documentation to the team. 9/30 - Monte had sheet rock removed in the skylights and base of walls where water was a concern. No water issues were observed in the skylight areas and only one area in the wall. Todd cored holes in the sheetrock for ventilation and added fans for circulation. Photos of all areas have been taken and will be sent to 4J & Pivot. Ryan requested that the exterior corner at GL 6 & L be investigated as well. Todd will look at this area next. 10/7 - Todd added vent holes at line exterior corner of GL 6 & L. 4J to have PBS provide moisture testing and air quality testing. The team will do a walkthru with PBS in the next week. Todd to have temp heat running next week and have the class room wings closed off with temp walls by the end of this week. 10/14 - 4J has set up a meeting with PBS at 11am today onsite to walk through the building monitoring needed. 10/21 - PBS completed their sampling and found no issues. PBS should have a final report by the end of this week. | Monte Carothers | | <input checked="" type="checkbox"/> |
| 42-1 | Centurylink & Fiber Optic Schedule 9/30 - The team to look into schedules for Centurylink and fiber optic installation. 10/7 - 4J requested a list of requirements from Centurylink, which is expected next week. 10/21 - Ongoing | Information | | <input type="checkbox"/> |
| 42-3 | Sure Board for Shear Walls 9/30 - Cascade would like to substitute Sure Board in the place of the fire rated plywood at the shear walls. The plywood has a long lead time and with changes being made at the shear walls the 5 week lead time for fire rated plywood will be a schedule impact. Adam to review with EOR. 10/7 - The Sure Board option was not viable due to the amount of re-engineering required. Todd proposed a field applied fire treatment and has submitted it to the City of Eugene for approval. 10/14 - David and Adam called the City of Eugene to check on the field applied fire treatment approval, but have not heard back. 10/21 - Field applied fire treatment has been approved by the CoE. Continuous inspection will be required during application. | Adam Davidson | | <input checked="" type="checkbox"/> |

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| 44-1 | L2 Light Fixture Issue 10/14 - Andy sent a request to Scofield to verify the return policy for the L2 light fixtures. Pivot and 4J will use this to make a final decision and this will be wrapped up in a confirming RFI. 10/21 - 4J requested notification of final details prior to swapping the L2 fixtures for a lay in version. Scofield is working with the supplier to get the return policy details worked out. | Adam Davidson | | <input type="checkbox"/> |
| 44-2 | Abatement Schedule Phase 2 10/14 - Harv asked if there was any abatement on old Howard that could be done early. Ryan said the bulk of the abatement is in the wall and floor finish and would need to wait until school was out. Ryan is looking into accelerated schedule options and recommended Todd use the contact dates to schedule the demolition. | Ryan Spain | 10/21/15 | <input checked="" type="checkbox"/> |
| 44-3 | NW Natural Billing 10/21 - Billing to be switched to Todd until substantial completion. | David Haggard | 10/21/15 | <input checked="" type="checkbox"/> |
| 44-4 | Class Room Projector Mockup 10/14 - Ryan suggested Todd mockup one classroom projector to verify the white board installation is correct due to the flatness requirements of the projection system. Todd to verify white board delivery and set up a mockup. 10/21 - Ryan forwarded the product data on the classroom projectors for Todd's use. | Information | | <input type="checkbox"/> |
| New Business | | | | |
| 45-1 | Seismic Joint Mockup 10/21 - John Evens with Dennison Finn provided a short demonstration of his seismic joint system assembly and will provide an in place assembly next week for Adam to review. | Information | | <input type="checkbox"/> |
| 45-2 | Cement Board @ FRP 10/21 - The FRP specifications call out tile backer board behind the FRP. Todd recommended against this as not being a typical substrate for FRP. Ryan approved the change to Green board at the FRP locations in the kitchen area. | Information | | <input checked="" type="checkbox"/> |
| 45-3 | Shear Wall NC Issue 10/21 - A meeting is planned this week involving the 3 project inspection entities, Hohbach-Lewin, FEI & City of Eugene, regarding the HL Site Visit Report #8 to verify compliance with the contract documents. Cascade is working with the inspectors to clear the NC issues noted in SVR #8. | Information | | <input type="checkbox"/> |
| 45-4 | Security Camera Mounting 10/21 - Scofield requested information about the mounting requirements for the exterior security cameras. Per Ryan the system design isn't final. The raceway box will need trim metal installed around the perimeter to match the surrounding finishes. | Information | | <input type="checkbox"/> |
| 45-5 | MH @ Fence Interference 10/21 - David reviewed a issue with Adam regarding the existing man hole interfering with the utility courtyard fence. David to submit an RFI on the issue. | David Haggard | 10/23/15 | <input type="checkbox"/> |
| 45-6 | Fire Sprinkler @ Wood Ceiling 10/21 - The Fire Marshall will be onsite today @ 11:30 to review the wood ceiling fire sprinkler requirements with BDH and Adam. David to submit an RFI on the issue. | David Haggard | 10/23/15 | <input type="checkbox"/> |

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| 45-7 | Sector A North Canopy 10/21 - Dexter mentioned that the North canopy on the Gym was holding water. Monte will have the downspouts installed this week. | Monte Carothers | 10/23/15 | <input type="checkbox"/> |

Next meeting at 9:00:00AM on Wednesday, October 28, 2015.

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: Andy Turner

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

3 WEEK SCHEDULE

Howard Elementary School

HOW 14-24



| ACTIVITIES | SUB | 10/19 | 10/20 | 10/21 | 10/22 | 10/23 | 10/24 | 10/25 | 10/26 | 10/27 | 10/28 | 10/29 | 10/30 | 10/31 | 11/1 | 11/2 | 11/3 | 11/4 | 11/5 | 11/6 |
|---------------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| | | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri |
| SITE | | | | | | | | | | | | | | | | | | | | |
| East Courtyard grade for walks | Todd | | | | | | | | | | | | | | | | | X | X | X |
| MECHANICAL COURTYARD | | | | | | | | | | | | | | | | | | | | |
| Set chiller & generator equipment | All | | X | | | | | | | | | | | | | | | | | |
| CMU footing | Todd | | | X | X | X | | | | | | | | | | | | | | |
| CMU wall | Davidson's | | | | | | | | X | X | X | X | X | | | X | X | | | |
| Prep & pour slab | Todd | | | | | | | | | | | | | | | | | X | X | X |
| COVERED PLAY STRUCTURE | | | | | | | | | | | | | | | | | | | | |
| Roof deck pending RFI/COR | Todd | | | | | | | | | | | | | | | | | | | |
| A-EXTERIOR | | | | | | | | | | | | | | | | | | | | |
| Metal roofing | Rock | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X |
| CMU veneer south wall | Davidson's | X | X | X | X | X | | | | | | | | | | | | | | |
| Wood siding south wall | Todd | | | | | | | | | | X | X | X | | | X | X | X | X | X |
| Mechanical/Boiler Rms | | | | | | | | | | | | | | | | | | | | |
| Perm heat on in Gym Nov. 13 | Hydrotemp | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X |
| GYM/RR/STORAGE | | | | | | | | | | | | | | | | | | | | |
| AHU A200 M&E connections | Hydrotemp | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X |
| Install Gym & Cafeteria light fixture | Scofield | | | | | | | | | | | | | | | X | X | X | X | X |
| RR-MEP rough-in | All | X | X | X | | | | | | | | | | | | | | | | |
| RR-Hang & tape gyp board | Cascade | | | | X | X | | | X | X | X | X | X | | | | | | | |
| RR-Paint | WPI | | | | | | | | | | | | | | | X | X | X | | |
| RR-Ceramic tile | Bovero | | | | | | | | | | | | | | | | | | X | X |
| Exposed duct | Hydrotemp | X | X | X | X | | | | | | | | | | | | | | | |
| STAGE | | | | | | | | | | | | | | | | | | | | |
| OH duct in chase wall | Hydrotemp | X | X | | | | | | | | | | | | | | | | | |

| ACTIVITIES | SUB | 10/19 | 10/20 | 10/21 | 10/22 | 10/23 | 10/24 | 10/25 | 10/26 | 10/27 | 10/28 | 10/29 | 10/30 | 10/31 | 11/1 | 11/2 | 11/3 | 11/4 | 11/5 | 11/6 |
|-----------------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| | | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri |
| Frame stage full hgt walls | Cascade | X | X | X | X | X | | | | | | | | | | | | | | |
| MEP rough-in | All | | | | | | | | X | X | X | | | | | | | | | |
| Hang & tape gyp board | Cascade | | | | | | | | | | | X | X | | | X | X | X | X | X |
| KITCHEN | | | | | | | | | | | | | | | | | | | | |
| MEP wall rough in | All | X | X | X | X | X | | | | | | | | | | | | | | |
| Install duct | Hydrotemp | X | X | X | X | X | | | | | | | | | | | | | | |
| Hang & tape gyp board | Cascade | | | | X | X | | | X | X | X | X | X | | | | | | | |
| Paint | WPI | | | | | | | | | | | | | | | X | X | | | |
| Install exhaust hood | S&G | | | | | | | | | | | | | | | | | X | X | X |
| Install freezer/cooler | S&G | | | | | | | | | | | | | | | | | | | X |
| Quarry tile Nov. 9th | Bovero | | | | | | | | | | | | | | | | | | | |
| CAFETERIA | | | | | | | | | | | | | | | | | | | | |
| Frame Community A102 | Cascade | | X | X | X | X | | | | | | | | | | | | | | |
| MEP Community A102 | All | | | | | | | | X | X | X | X | X | | | | | | | |
| Hang & tape gyp brd A102 | Cascade | | | | | | | | | | | X | X | | | X | X | X | X | X |
| Duct curtain wall/soffit above bm | Hydrotemp | X | X | | | | | | | | | | | | | | | | | |
| Frame curtain walls above bm | Cascade | | | X | X | X | | | X | X | | | | | | | | | | |
| Install operable wall track | Barclay | | | | | | | | X | | | | | | | | | | | |
| Hang & tape gyp brd curtain wall | Cascade | | | | | | | | | | | X | X | | | X | X | X | X | X |
| BS-EXTERIOR | | | | | | | | | | | | | | | | | | | | |
| Roof and wall metal | Rock | | | | | | | | | | | X | X | | | X | X | X | | |
| Wood siding | Todd | | X | X | X | X | | | X | | | | | | | | | | | |
| BS-1 | | | | | | | | | | | | | | | | | | | | |
| Stair well gyp, paint, grid, M&E | All | | | | | | | | X | X | X | X | X | | | X | X | X | X | X |
| BS-2 | | | | | | | | | | | | | | | | | | | | |
| AHU B301 M&E connections | Hydrotemp | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X |
| BN-EXTERIOR | | | | | | | | | | | | | | | | | | | | |
| Roof and wall metal | Rock | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X |

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| | | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri |
| Wood siding | Todd | | | | | | | | | X | X | X | X | | | X | X | | | |
| BN-1 | | | | | | | | | | | | | | | | | | | | |
| Paint | WPI | X | X | X | | | | | | | | | | | | | | | | |
| Grind polished floors | | | | | | | | | X | X | X | X | X | | | | | | | |
| BN-2 | | | | | | | | | | | | | | | | | | | | |
| Tape & texture gyp board | Cascade | X | X | X | | | | | | | | | | | | | | | | |
| Paint | WPI | | | | X | X | | | X | X | X | | | | | | | | | |
| Grind polished floors | Sustainable | | | | | | | | | | | | | | | X | X | X | X | X |
| AHU B300 M&E connections | Hydrotemp | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X |
| B-MEDIA EXTERIOR | | | | | | | | | | | | | | | | | | | | |
| CMU veneer | Davidson's | X | X | X | X | X | | | | | | | | | | | | | | |
| BM-1 South | | | | | | | | | | | | | | | | | | | | |
| Shear wall fix | Cascade | X | X | | | | | | | | | | | | | | | | | |
| Gyp (8) RR | Cascade | | | | X | X | | | | | | | | | | | | | | |
| Tape & texture (8) RR | Cascade | | | | | | | | X | X | X | X | X | | | | | | | |
| Paint | WPI | | | | | | | | | | | | | | | X | X | | | |
| Tile (8) RR | Bovero | | | | | | | | | | | | | | | | | X | X | X |
| BM-2 South | | | | | | | | | | | | | | | | | | | | |
| MEP wall & clng rough in | All | | | | | | | | | | | | | | | | | | | |
| Gyp (8) RR | Cascade | | | | | X | | | X | X | | | | | | | | | | |
| Tape & Texture (8) RR | Cascade | | | | | | | | | | X | X | X | | | X | X | | | |
| Paint (8) RR | WPI | | | | | | | | | | | | | | | | | X | X | |
| BM-1 North | | | | | | | | | | | | | | | | | | | | |
| Frame (16) hard lids | Cascade | X | X | X | X | X | | | | | | | | | | | | | | |
| MEP wall & clng rough in | All | X | X | X | X | X | | | | | | | | | | | | | | |
| Electrical conn. to control panel | Scofield | | | | X | X | | | | | | | | | | | | | | |
| Frame elevator shaft | Cascade | | | X | X | X | | | | | | | | | | | | | | |
| Install elevator | Otis | | | | | | | | X | X | X | X | X | | | | | | | |

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|-------------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| | | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri |
| MEP wall & clng rough in | All | | | | | | | | | | | | | | | | | | | |
| Hang & tape gyp board | Cascade | | | | | | | | | | X | X | X | | | X | X | X | X | X |
| BM-2 North | | | | | | | | | | | | | | | | | | | | |
| Frame RR walls & hard lids | Cascade | X | X | | | | | | | | | | | | | | | | | |
| MEP wall & clng rough in | All | | | X | X | X | | | | | | | | | | | | | | |
| Gyp & tape | Cascade | | | | | | | | | | X | X | X | | | X | X | X | X | X |
| C-EXTERIOR | | | | | | | | | | | | | | | | | | | | |
| Roof metal | Rock | | | | X | X | | | X | X | X | | | | | | | | | |
| Wood siding north wall | Todd | X | X | | | | | | | | | | | | | | | | | |
| CMU north wall | Davidson's | | | | | | | | | | | | | | | | | X | X | XX |
| C1-INTERIOR | | | | | | | | | | | | | | | | | | | | |
| Stair well gyp, paint, grid, M&E | All | X | X | X | X | X | | | | | | | | | | | | | | |
| Paint stairs & railing | WPI | | | | | | | | X | X | X | | | | | | | | | |
| Hang cooridor light fxtrs | Scofield | | | | | | | | X | X | X | X | X | | | | | | | |
| Install Casework/wainscot | Freemont | | | | | | | | | | | X | X | | | X | X | X | X | X |
| Finish carpentry corridors Nov. 2nd | MC | | | | | | | | | | | X | X | | | X | X | X | | X |
| C2-INTERIOR | | | | | | | | | | | | | | | | | | | | |
| AHU C300 M&E connections | Hydrotemp | X | X | X | X | X | | | X | X | X | X | X | | | X | X | X | X | X |
| 4J School District | | | | | | | | | | | | | | | | | | | | |

Job No: 14-24

Request for Information

Show: Unanswered RFIs

Howard Elementary School

Date: 10/20/2015

| RFI # | Date Issued | Title | Date Requested | Status | CO Req'd | Response Date | Posted in Asbuilts | Forwarded Date |
|-------|-------------|--|----------------|--------|----------|---------------|--------------------|----------------|
| 472 | 09/28/15 | Projector to Screen Connection | 10/05/15 | NEW | | | | |
| 495 | 10/12/15 | Confirming RFI - Box Beam Support at Rooms B234 and B236 | 10/19/15 | NEW | | | | |
| 498 | 10/16/15 | Soffit Framing at New Gym Projection Screen Location | 10/23/15 | NEW | | | | |

Change Order Request Log

Job No: 14-24

Howard Elementary School

Date: 10/20/2015

| Number | | Description | | Quoted | Time Requests | Date to Owner | Approved Amount |
|--------|-------------|---|----------|--------------|---------------|---------------|-----------------|
| 33RRA | PR 025 | Electrical/Low Voltage/Plumbing/Structural Revisions - With Time Extension | 03/17/15 | \$133,967.00 | 20 days | 09/15/15 | |
| 33RRB | PR 025 | Electrical/Low Voltage/Plumbing/Structural Revisions - Without Time Extension | 09/04/15 | \$152,473.00 | | 09/15/15 | |
| 37 | RFI 220/228 | New FDC Location | 03/24/15 | \$11,347.00 | | 07/08/15 | |
| 45 | RFI 245 | Trap Primers for Mezzanine Floor Sinks | 04/14/15 | \$14,770.00 | | 07/08/15 | |
| 51 | None | Support Under Chiller | 04/28/15 | \$2,643.00 | 1 day | 10/16/15 | |
| 53R | RFI 184 | Louver Resizing at Kitchen | 04/29/15 | \$505.00 | | 10/20/15 | |
| 55R | RFI 296 | Exterior Storm Line Sizing | 05/07/15 | \$1,550.00 | | 09/10/15 | |
| 57 | PR 027 | Plumbing Isolation Valves | 05/08/15 | \$12,243.00 | | 07/08/15 | |
| 58R | PR 029 | Mobile Casework Units Revision | 05/12/15 | \$15,777.00 | | 10/05/15 | |
| 62.01 | PR 028 | Low Voltage/Electrical Revisions | 05/26/15 | \$28,574.00 | | 09/21/15 | |
| 62.02 | PR 028 | Mechanical Revisions | 05/26/15 | \$2,194.00 | | 10/20/15 | |
| 67 | RFI 346 | Generator Breaker Revisions | 06/10/15 | \$7,675.00 | | 10/14/15 | |
| 71 | RFI 350 | Delete Concrete Staining | 06/16/15 | \$(1,244.00) | | 09/21/15 | |
| 74.01 | PR 001 | Fire Rated Assembly | 06/19/15 | \$25,683.00 | 14 days | 10/20/15 | |
| 75.01R | PR 030 | 4j Requested Changes - Casework | 10/05/15 | \$61,979.00 | 15 days | 10/14/15 | |
| 75.02A | PR 030 | 4j Requested Changes: Scope Excluding Casework - With Time Extension | 06/22/15 | \$2,084.00 | 2 days | 10/14/15 | |
| 75.02B | PR 030 | 4j Requested Changes: Scope Excluding Casework - Without Time Extension | 06/22/15 | \$2,788.00 | | 10/14/15 | |
| 75.03 | PR 030 | 4j Requested Changes - Mechanical | 10/20/15 | \$7,374.00 | 4 days | 10/20/15 | |
| 75.04 | PR 030 | 4j Requested Changes - Hardware | 10/20/15 | \$2,071.00 | | 10/20/15 | |
| 83 | RFI 345 | Decentralized Unitary HVAC Equipment Clarifications | 06/30/15 | \$3,566.00 | 2 days | 10/20/15 | |
| 84 | RFI 348 | MEP Pathway Issues at Media Bridge | 07/01/15 | \$6,569.00 | 2 days | 10/20/15 | |
| 86 | RFI 354 | Venting for B104, B112 and B106 | 07/06/15 | \$1,928.00 | 1 day | 10/20/15 | |
| 87 | None | Standing Seam Wall Panel Support | 07/06/15 | \$5,689.00 | | 07/06/15 | |
| 88 | RFI 366 | Stainless Flashing at Loose Lintels | 07/06/15 | \$3,311.00 | | 10/20/15 | |
| 91 | RFI 295R | RHW Balance Valve Location Clarification | 07/09/15 | \$6,861.00 | | 07/09/15 | |
| 94 | RFI 379 | Network Connection to PV System | 07/10/15 | \$1,228.00 | | 10/20/15 | |
| 95R | RFI 322 | Gutter Size Conflict with Rain Drain | 07/20/15 | \$2,655.00 | | 10/20/15 | |
| 97 | 283001-01 | Smoke Detectors | 07/21/15 | \$21,277.00 | | 10/14/15 | |

Change Order Request Log

Job No: 14-24

Howard Elementary School

Date: 10/20/2015

| Number | | Description | | Quoted | Time Requests | Date to Owner | Approved Amount |
|--------|----------|---|----------|-------------|---------------|---------------|-----------------|
| 102 | RFI 380 | Horizontal Support Angles | 08/04/15 | \$6,636.00 | 2 days | 10/20/15 | |
| 103 | RFI 389 | B-Media Second Floor Stair Landings | 08/04/15 | \$661.00 | | 10/20/15 | |
| 108 | RFI 417 | Duct Routing/Size and Radiant Piping Changes | 08/11/15 | \$1,231.00 | 1 day | 10/20/15 | |
| 109B | PR 032 | PV Net Metering - Without Time Extension | 08/11/15 | \$20,312.00 | | 09/17/15 | \$20,312.00 |
| 112 | None | CMU Revision at Jambs | 08/20/15 | \$12,415.00 | | 08/20/15 | |
| 116 | RFI 424 | B Media South Window Head Elevation Issue | 08/27/15 | \$1,212.00 | 5 days | 10/16/15 | |
| 121 | RFI 461 | Concealing Pipes to Hose Bibb Added in PR 27 in Room A107 | 09/22/15 | \$241.00 | | 10/16/15 | |
| 123 | RFI 457 | Add a Dryer Hood for Room B103 Dryer | 09/22/15 | \$403.00 | 1 day | 10/20/15 | |
| 134 | RFI 488 | Water Filter for Food Service Equipment Item 31 | 10/09/15 | \$499.00 | | 10/16/15 | |
| 138 | RFI 496 | Add 3/4 Europly Tops to T1 Casework | 10/14/15 | \$9,955.00 | | 10/14/15 | |
| 139 | RFI 385 | Add Type U Chase Walls Where X-Bracing Occurs | 10/16/15 | \$7,405.00 | | 10/16/15 | |
| 140 | RFI 405R | Ceiling Attachment Issue at Mezzanine Support Beams | 10/16/15 | \$1,914.00 | | 10/16/15 | |
| 142 | RFI 319 | Add Data Wiring - Revised COR 76 | 10/20/15 | \$1,407.00 | | 10/20/15 | |

| | | | |
|----------------------------------|----------|-----------------------------------|-----------------|
| Approved Time Extensions: | 0 | Original Contract Amount: | \$21,663,000.00 |
| Start Date: | 11/12/14 | Approved Contract Changes: | \$734,306.00 |
| Revised End Date: | 02/01/16 | Revised Contract Amount: | \$22,397,306.00 |

Job No: 14-24
Howard Elementary School

Submittals Awaiting Review
by Package

Date: 10/20/2015

| Spec | Submittal | Rev | Title | Subcontractor | Due Date | Sub to Todd | Todd to Arch | From Arch | Todd to Sub | Status |
|---------------|--|-----|----------------------------|--------------------------------|----------|----------------|-----------------|--------------|----------------|--------|
| 052100 | STEEL JOIST FRAMING | | | | | | | | | |
| | 052100-04 | 0 | Delegated-Design Submittal | Advanced Welding & Steel, Inc. | 12/19/14 | 09/23/15 | 09/29/15 | | | |
| | <i>Numbered to match Newforma</i> | | | | | | | | | |
| 093000 | TILING | | | | | | | | | |
| | 093000-01 | 0 | Product Data | GA Bovero Tile & Marble Inc | 03/27/15 | 03/18/15 | 10/12/15 | | | |
| | <i>Certificate included? Include note to PIVOT</i> | | | | | | | | | |
| 321610 | CONCRETE SIDEWALKS | | | | | | | | | |
| | 321610-02 | 0 | Samples: Colored glass | Todd Construction, Inc. | 05/08/15 | 08/14/15 | 09/11/15 | | | |
| | <i>01 deleted by RFI 411</i> | | | | | | | | | |

30 DAY UNSUBMITTED COR REPORT

JOB: HOWARD ELEMENTARY

NAME: ANDY TURNER

PRINTED October 21, 2015



| | | | | | | AR RESOLVE |
|--------------|---------------------------------|---------------|--|---|------------------|---------------|
| <u>COR #</u> | <u>DESCRIPTION:</u> | <u>STATUS</u> | <u>PENDING BECAUSE:</u> | <u>ACTION REQUIRED:</u> | <u>AR PARTY:</u> | <u>DATE:</u> |
| 26R | AHU Locations | R&R | 4J requested more information | Hydro Temp to provide more info | Hydro Temp | 23-Oct |
| 33RR | MEP Revisions | R&R | Scope changed after submitting | Scofield to re-price | Scofield | 23-Oct |
| 37 | New FDC Location | R&R | 4J requested more information | Jackson luck to provide more info | Jackson Luck | 23-Oct |
| 45 | Trap Primers - Mezz | R&R | 4J requested more information | Hydro Temp to provide more info | Hydro Temp | 23-Oct |
| 55R | Exterior Storm Line Sizing | R&R | 4J requested more information | Hydro Temp to provide more info | Hydro Temp | 23-Oct |
| 57 | Plumbing Isolation Valves | R&R | 4J requested more information | Hydro Temp to provide more info | Hydro Temp | 23-Oct |
| 62.01 | Electrical Revisions | R&R | 4J requested more information | Scofield to provide additional info | Scofield | 23-Oct |
| 71 | Delete Concrete Staining | R&R | 4J thought the credit should be more | Sustainable to provide backup | Sustainable | 23-Oct |
| 74.02 | Fire Rated Assembly | Pricing | Electrical revisions | Scofield pricing requested | Scofield | 23-Oct |
| 75.05 | 4J Requested Changes | Pricing | Relight and Entry Door revisions | Culver pricing requested | Culver | 26-Oct |
| 87 | Wall Panel Support | Submit | 4J requested more information | Received revised pricing 10/21 | Rock Roofing | 22-Oct |
| 91 | RHW Balance Valve Location | R&R | 4J requested more information | Hydro Temp to provide more info | Hydro Temp | 23-Oct |
| 92 | Skylight Well Clearance | Reviewing | Todd requested more information | Cascade providing clarification | Cascade | 23-Oct |
| 93 | Fill Septic Tank | Pricing | JL provided 4J \$3,000 ROM not final | Final pricing requested | Jackson Luck | 23-Oct |
| 98.01 | Landscape & MEP Revisions | Submitted | Electrical portion submitted 10/14 | Design team revised PR. Todd to revise. | Todd | 23-Oct |
| 98.02 | Landscape & MEP Revisions | Pricing | Mechanical pricing needed | Pricing requested | Hydro Temp | 23-Oct |
| 100 | Main Entry Downspouts | Reviewing | Todd reviewing scope gap issue | Review with Hydro-Temp. Advanced COR | HT & Advanced | 23-Oct |
| 105 | TT Window Interference | Pricing | Culver to provide credit for window change | Credit requested | Culver | 23-Oct |
| 107 | SB-2 Clarifications | Pricing | Pricing needed | Pricing requested | Hydro Temp | 23-Oct |
| 110 | Motor Cntrl Disconnect Credit | Pricing | Pricing needed | Pricing requested | Scofield | 23-Oct |
| 111 | Roof Deck Extension | Pricing | Todd to submit pricing | Submit pricing | Todd | 23-Oct |
| 112 | CMU Revisions at Jambs | R&R | 4J requested more information | Davidson to provide revised price | Davidson | 23-Oct |
| 115 | Guard Rail Elev @ Str Landing | Pricing | Todd to submit pricing | Submit pricing | Todd | 23-Oct |
| 117 | Device Clarif. @ 60x108 Plenum | Pricing | Pricing needed | Pricing requested | Hydro Temp | 23-Oct |
| 119 | Added Light Shelf Frame Type EE | Submit | Todd reviewing pricing | Submit pricing | Todd | 23-Oct |

Non-Compliance Issues

Howard Elementary 14-25

10/21/2015



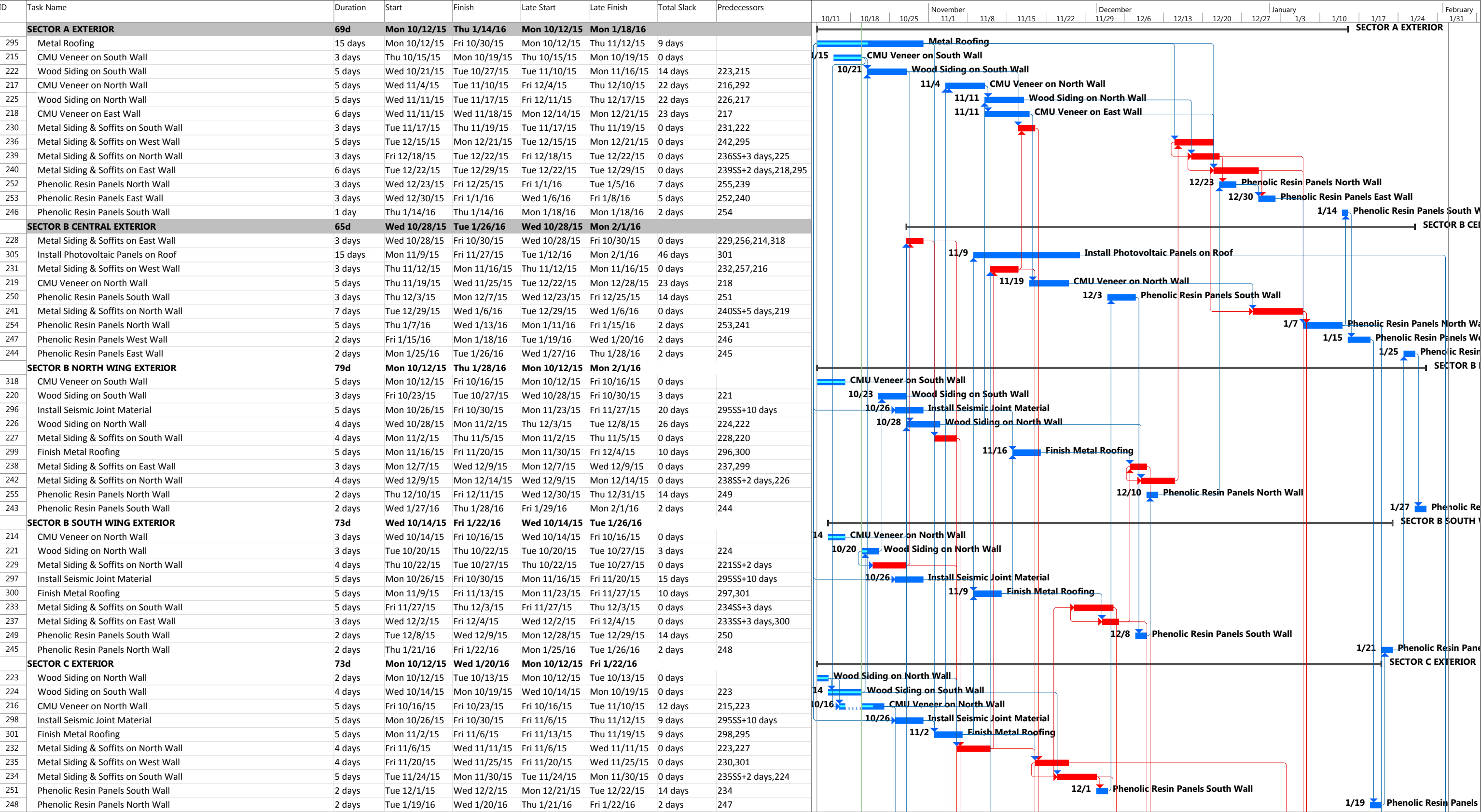
| Item # | Item | Action Required | Due Date | Person Responsible |
|--------|---|--|------------|-----------------------------------|
| 011 | Depression in concrete slab in cafeteria at mobile bar location | 4J requested this item remain open until the floor is finished. | 12/2/2015 | Duel Force |
| 012 | Bottom run of stairs riser type | Solid risers are installed as requested. Design team wanted to leave this open until the precast treads are set. | 11/30/2015 | Advanced Welding |
| 020 | Top of stair riser/slab transition | Concrete was finished too low at the top of stairs in B South. A transition strip will be installed at the top of all stairs as a feature and will guard against spalling. | 12/2/2015 | Duel Force Rubenstein's to repair |
| 026 | BHE Site Visit Report: Erosion Control Measures Missing | Erosion measures will be reset once the rainy weather starts. The City of Eugene has inspected the site and has no problem with the current condition. | 10/30/2015 | Jackson Luck |
| 030 | HM door A116B installed in CMU - to be installed in mental framed furred wall per response to RFI 48R | The framed furred wall is not constructed. The door frame will be moved to the framed wall once it's complete. | 10/30/2015 | Todd |
| 037 | Tapered insulation and roof drainage at Sector B South - roof tapers away from drain | Rock Roofing to replace the tapered insulation to allow drainage. | 10/30/2015 | Rock Roofing |
| 038 | HM door joint seals do not have 1/2" minimum width | Todd to cut CMU back to allow for 1/2" joint. Sawtooth says they will warranty the joints down to an 1/8". | 10/30/2015 | Todd, Sawtooth to Repair |
| 047 | H & L SRV#8 Structural Framing Issues | Todd to cut CMU back to allow for 1/2" joint. Sawtooth says they will warranty the joints down to an 1/8". | 10/30/2015 | Todd, Sawtooth to Repair |

| | | | |
|-----|-----------------------------|---|--------------------------|
| 048 | Joint Membrane Installation | Joint membrane installation doesn't appear to conform to submittal, penetrations not sealed, and tape product not sticking. | 10/30/2015 Dennison Finn |
| 049 | TPO Membrane Hole | Low TPO roof over Admin area has a piece of metal poking a hole through the membrane | 10/30/2015 Rock Roofing |

HOWARD ELEMENTARY SCHOOL

OCTOBER 20, 2015

TODD CONSTRUCTION



HOWARD ELEMENTARY SCHOOL

OCTOBER 20, 2015

TODD CONSTRUCTION

| ID | Task Name | Duration | Start | Finish | Late Start | Late Finish | Total Slack | Predecessors | 10/11 | 10/18 | 10/25 | November 11/1 | 11/8 | 11/15 | 11/22 | December 11/29 | 12/6 | 12/13 | 12/20 | 12/27 | January 1/3 | 1/10 | 1/17 | 1/24 | February 1/31 |
|-----|---|----------|--------------|--------------|--------------|--------------|-------------|---------------------|-------|-------|-------|------------------|------|-------|-------|-------------------|------|-------|-------|-------|----------------|------|------|------|------------------|
| | SECTOR A GYMNASIUM/RESTROOMS/STORAGE | 70d | Mon 10/12/15 | Fri 1/15/16 | Mon 10/12/15 | Wed 1/27/16 | | | | | | | | | | | | | | | | | | | |
| 157 | MEP Rough-Ins @ Restrooms A107/109/110 | 8 days | Mon 10/12/15 | Wed 10/21/15 | Mon 10/12/15 | Wed 10/28/15 | 5 days | | | | | | | | | | | | | | | | | | |
| 161 | MEP Equipment Installation & Start-Up | 25 days | Mon 10/12/15 | Fri 11/13/15 | Mon 10/12/15 | Tue 12/1/15 | 12 days | | | | | | | | | | | | | | | | | | |
| 204 | Mechanical Ceiling Ductwork at Gym | 5 days | Mon 10/19/15 | Fri 10/23/15 | Mon 10/19/15 | Wed 11/4/15 | 8 days | 205 | | | | | | | | | | | | | | | | | |
| 302 | Frame Restroom Hardlids A107/109/110 | 2 days | Wed 10/21/15 | Thu 10/22/15 | Tue 10/27/15 | Wed 10/28/15 | 4 days | | | | | | | | | | | | | | | | | | |
| 158 | Drywall at Restrooms A107/109/110 | 5 days | Fri 10/23/15 | Thu 10/29/15 | Thu 10/29/15 | Wed 11/4/15 | 4 days | 157,302 | | | | | | | | | | | | | | | | | |
| 169 | Acoustical Panels @ Gym | 6 days | Mon 10/26/15 | Mon 11/2/15 | Tue 11/10/15 | Tue 11/17/15 | 11 days | 204 | | | | | | | | | | | | | | | | | |
| 342 | Skylight Insulation/Drywall/Paint | 7 days | Mon 10/26/15 | Tue 11/3/15 | Mon 11/9/15 | Tue 11/17/15 | 10 days | 204 | | | | | | | | | | | | | | | | | |
| 210 | Frame Ceiling Support Structure @ Storage Rooms | 8 days | Mon 10/26/15 | Wed 11/4/15 | Tue 11/10/15 | Thu 11/19/15 | 11 days | 171 | | | | | | | | | | | | | | | | | |
| 159 | Finish Drywall & Restrooms A107/109/110 | 5 days | Fri 10/30/15 | Thu 11/5/15 | Thu 11/5/15 | Wed 11/11/15 | 4 days | 158 | | | | | | | | | | | | | | | | | |
| 304 | Gym Light Fixtures | 5 days | Fri 10/30/15 | Thu 11/5/15 | Wed 11/11/15 | Tue 11/17/15 | 8 days | 204FS+4 days | | | | | | | | | | | | | | | | | |
| 211 | Ceiling Grid @ Storage Rooms | 5 days | Thu 11/5/15 | Wed 11/11/15 | Fri 11/20/15 | Thu 11/26/15 | 11 days | 210 | | | | | | | | | | | | | | | | | |
| 160 | Paint at Restrooms A107/109/110 | 3 days | Fri 11/6/15 | Tue 11/10/15 | Thu 11/12/15 | Mon 11/16/15 | 4 days | 159 | | | | | | | | | | | | | | | | | |
| 167 | Gym Equipment Installation | 10 days | Fri 11/6/15 | Thu 11/19/15 | Wed 11/18/15 | Tue 12/1/15 | 8 days | 304,169,342,207 | | | | | | | | | | | | | | | | | |
| 162 | Polish Concrete Floors | 3 days | Wed 11/11/15 | Fri 11/13/15 | Tue 11/17/15 | Thu 11/19/15 | 4 days | 160,102 | | | | | | | | | | | | | | | | | |
| 212 | Ceiling Grid Rough-Ins @ Storage Rooms | 10 days | Thu 11/12/15 | Wed 11/25/15 | Fri 11/27/15 | Thu 12/10/15 | 11 days | 211 | | | | | | | | | | | | | | | | | |
| 168 | Wood Flooring Acclamation Period | 10 days | Fri 11/20/15 | Thu 12/3/15 | Wed 12/2/15 | Tue 12/15/15 | 8 days | 167,161 | | | | | | | | | | | | | | | | | |
| 213 | Drop Ceiling Tiles @ Storage Rooms | 4 days | Thu 11/26/15 | Tue 12/1/15 | Fri 12/11/15 | Wed 12/16/15 | 11 days | 212 | | | | | | | | | | | | | | | | | |
| 163 | Restroom Ceramic Tile A107/109/110 | 5 days | Thu 11/26/15 | Wed 12/2/15 | Mon 12/14/15 | Fri 12/18/15 | 12 days | 160,44,162 | | | | | | | | | | | | | | | | | |
| 164 | Restroom Fixtures A107/109/110 | 5 days | Thu 12/3/15 | Wed 12/9/15 | Tue 1/5/16 | Mon 1/11/16 | 23 days | 163 | | | | | | | | | | | | | | | | | |
| 339 | Wood Flooring Installation & Finishing | 23 days | Fri 12/4/15 | Tue 1/5/16 | Wed 12/16/15 | Fri 1/15/16 | 8 days | 168 | | | | | | | | | | | | | | | | | |
| 165 | Toilet Partitions | 4 days | Thu 12/10/15 | Tue 12/15/15 | Tue 1/12/16 | Fri 1/15/16 | 23 days | 164 | | | | | | | | | | | | | | | | | |
| 166 | MEP Finish & Accessories Restrooms A107/109/110 | 5 days | Wed 12/16/15 | Tue 12/22/15 | Mon 1/18/16 | Fri 1/22/16 | 23 days | 165 | | | | | | | | | | | | | | | | | |
| 327 | Install Building Accessories | 2 days | Wed 1/6/16 | Thu 1/7/16 | Mon 1/18/16 | Tue 1/19/16 | 8 days | 339 | | | | | | | | | | | | | | | | | |
| 177 | Finish Gym Equipment | 5 days | Wed 1/6/16 | Tue 1/12/16 | Mon 1/18/16 | Fri 1/22/16 | 8 days | 339 | | | | | | | | | | | | | | | | | |
| 199 | Wood Paneling at Stage | 5 days | Wed 1/6/16 | Tue 1/12/16 | Mon 1/18/16 | Fri 1/22/16 | 8 days | 339 | | | | | | | | | | | | | | | | | |
| 193 | Install Doors & Hardware | 3 days | Fri 1/8/16 | Tue 1/12/16 | Wed 1/20/16 | Fri 1/22/16 | 8 days | 339,327 | | | | | | | | | | | | | | | | | |
| 202 | Final Cleaning | 3 days | Wed 1/13/16 | Fri 1/15/16 | Mon 1/25/16 | Wed 1/27/16 | 8 days | 166,177,199,193,213 | | | | | | | | | | | | | | | | | |
| | SECTOR A MUSIC PLATFORM | 72d | Thu 10/15/15 | Fri 1/22/16 | Thu 10/15/15 | Mon 2/1/16 | | | | | | | | | | | | | | | | | | | |
| 171 | Frame Walls | 7 days | Thu 10/15/15 | Fri 10/23/15 | Thu 10/15/15 | Mon 11/2/15 | 6 days | | | | | | | | | | | | | | | | | | |
| 172 | MEP Rough-Ins | 3 days | Mon 10/26/15 | Wed 10/28/15 | Tue 11/3/15 | Thu 11/5/15 | 6 days | 171 | | | | | | | | | | | | | | | | | |
| 173 | Drywall | 6 days | Thu 10/29/15 | Thu 11/5/15 | Fri 11/6/15 | Fri 11/13/15 | 6 days | 172 | | | | | | | | | | | | | | | | | |
| 174 | Finish Drywall | 6 days | Fri 11/6/15 | Fri 11/13/15 | Mon 11/16/15 | Mon 11/23/15 | 6 days | 173 | | | | | | | | | | | | | | | | | |
| 175 | Painting | 5 days | Mon 11/16/15 | Fri 11/20/15 | Tue 11/24/15 | Mon 11/30/15 | 6 days | 174 | | | | | | | | | | | | | | | | | |
| 178 | Ceiling Grid | 5 days | Mon 11/23/15 | Fri 11/27/15 | Tue 12/1/15 | Mon 12/7/15 | 6 days | 175 | | | | | | | | | | | | | | | | | |
| 179 | Ceiling Grid Rough-Ins | 7 days | Mon 11/30/15 | Tue 12/8/15 | Tue 12/8/15 | Wed 12/16/15 | 6 days | 178 | | | | | | | | | | | | | | | | | |
| 180 | Drop Ceiling Tiles | 4 days | Wed 12/9/15 | Mon 12/14/15 | Thu 12/17/15 | Tue 12/22/15 | 6 days | 179,213 | | | | | | | | | | | | | | | | | |
| 206 | Frame & Sheath Platform Floor | 7 days | Tue 12/15/15 | Wed 12/23/15 | Wed 12/23/15 | Thu 12/31/15 | 6 days | 180 | | | | | | | | | | | | | | | | | |
| 176 | Ramps & Stairs | 10 days | Tue 12/15/15 | Mon 12/28/15 | Mon 1/4/16 | Fri 1/15/16 | 14 days | 180 | | | | | | | | | | | | | | | | | |
| 203 | Install Casework | 3 days | Thu 12/24/15 | Mon 12/28/15 | Fri 1/1/16 | Tue 1/5/16 | 6 days | 206 | | | | | | | | | | | | | | | | | |
| 181 | Linoleum Tile Flooring | 4 days | Tue 12/29/15 | Fri 1/1/16 | Wed 1/6/16 | Mon 1/11/16 | 6 days | 203 | | | | | | | | | | | | | | | | | |
| 182 | Polish Concrete Floors | 4 days | Tue 12/29/15 | Fri 1/1/16 | Mon 1/18/16 | Thu 1/21/16 | 14 days | 176 | | | | | | | | | | | | | | | | | |
| 185 | MEP Trim | 5 days | Tue 12/29/15 | Mon 1/4/16 | Thu 1/21/16 | Wed 1/27/16 | 17 days | 203 | | | | | | | | | | | | | | | | | |
| 192 | Install Doors & Hardware | 2 days | Mon 1/4/16 | Tue 1/5/16 | Fri 1/22/16 | Mon 1/25/16 | 14 days | 181,182 | | | | | | | | | | | | | | | | | |
| 200 | Acoustical Panels | 3 days | Mon 1/4/16 | Wed 1/6/16 | Tue 1/12/16 | Thu 1/14/16 | 6 days | 181 | | | | | | | | | | | | | | | | | |
| 328 | Install Building Accessories | 2 days | Wed 1/6/16 | Thu 1/7/16 | Tue 1/26/16 | Wed 1/27/16 | 14 days | 192 | | | | | | | | | | | | | | | | | |
| 183 | Operable Partition at Stage | 4 days | Thu 1/7/16 | Tue 1/12/16 | Fri 1/15/16 | Wed 1/20/16 | 6 days | 200 | | | | | | | | | | | | | | | | | |
| 184 | Stage Curtain Installation | 5 days | Wed 1/13/16 | Tue 1/19/16 | Thu 1/21/16 | Wed 1/27/16 | 6 days | 183 | | | | | | | | | | | | | | | | | |
| 186 | Final Cleaning | 3 days | Wed 1/20/16 | Fri 1/22/16 | Thu 1/28/16 | Mon 2/1/16 | 6 days | 184,328,185,202 | | | | | | | | | | | | | | | | | |
| | SECTOR A CAFETERIA/KITCHEN | 77d | Mon 10/12/15 | Tue 1/26/16 | Mon 10/12/15 | Mon 2/1/16 | | | | | | | | | | | | | | | | | | | |
| 205 | Mechanical Ceiling Ductwork at Commons | 5 days | Mon 10/12/15 | Fri 10/16/15 | Mon 10/12/15 | Fri 10/16/15 | 0 days | | | | | | | | | | | | | | | | | | |
| 142 | Kitchen MEP Rough-Ins | 8 days | Mon 10/12/15 | Wed 10/21/15 | Mon 10/12/15 | Wed 10/21/15 | 0 days | | | | | | | | | | | | | | | | | | |
| 143 | Kitchen Drywall | 4 days | Thu 10/22/15 | Tue 10/27/15 | Thu 10/22/15 | Tue 10/27/15 | 0 days | 142 | | | | | | | | | | | | | | | | | |
| 201 | Acoustical Panels | 6 days | Mon 10/26/15 | Mon 11/2/15 | Thu 12/3/15 | Thu 12/10/15 | 28 days | 169SS | | | | | | | | | | | | | | | | | |
| 343 | Skylight Insulation/Drywall/Paint | 6 days | Mon 10/26/15 | Mon 11/2/15 | Thu 12/3/15 | Thu 12/10/15 | 28 days | 342SS | | | | | | | | | | | | | | | | | |
| 341 | Kitchen Hood Installation | 3 days | Wed 10/28/15 | Fri 10/30/15 | Thu 1/21/16 | Mon 1/25/16 | 61 days | 143SS+4 days | | | | | | | | | | | | | | | | | |

HOWARD ELEMENTARY SCHOOL

OCTOBER 20, 2015

TODD CONSTRUCTION

| Task Name | Duration | Start | Finish | Late Start | Late Finish | Total Slack | Predecessors |
|--------------------------------|--|---------|--------------|--------------|--------------|--------------|------------------------|
| 144 | Finish Drywall | 5 days | Wed 10/28/15 | Tue 11/3/15 | Wed 10/28/15 | Tue 11/3/15 | 0 days 143 |
| 207 | Frame/Rock/Finish Divider Wall to Gym | 7 days | Wed 10/28/15 | Thu 11/5/15 | Mon 11/9/15 | Tue 11/17/15 | 8 days 143 |
| 148 | Kitchen Freezer & Cooler Installation | 5 days | Mon 11/2/15 | Fri 11/6/15 | Tue 1/26/16 | Mon 2/1/16 | 61 days 341 |
| 145 | Painting | 3 days | Wed 11/4/15 | Fri 11/6/15 | Wed 11/4/15 | Fri 11/6/15 | 0 days 144 |
| 147 | Quarry Tile in Kitchen | 5 days | Mon 11/9/15 | Fri 11/13/15 | Mon 11/9/15 | Fri 11/13/15 | 0 days 145 |
| 151 | Ceiling Grid | 4 days | Mon 11/16/15 | Thu 11/19/15 | Fri 11/20/15 | Wed 11/25/15 | 4 days 147 |
| 152 | Ceiling Grid Rough-Ins | 8 days | Fri 11/20/15 | Tue 12/1/15 | Thu 11/26/15 | Mon 12/7/15 | 4 days 151 |
| 153 | Drop Ceiling Tiles | 3 days | Wed 12/2/15 | Fri 12/4/15 | Tue 12/8/15 | Thu 12/10/15 | 4 days 152 |
| 149 | Install Kitchen Equipment | 25 days | Mon 12/7/15 | Fri 1/8/16 | Fri 12/11/15 | Thu 1/14/16 | 4 days 147,153 |
| 146 | Polish Concrete Floors | 6 days | Fri 12/11/15 | Fri 12/18/15 | Fri 12/11/15 | Fri 12/18/15 | 0 days 201,343,126 |
| 329 | Install Building Accessories | 2 days | Mon 12/21/15 | Tue 12/22/15 | Tue 1/19/16 | Wed 1/20/16 | 21 days 146 |
| 194 | Install Doors & Hardware | 3 days | Wed 12/23/15 | Fri 12/25/15 | Thu 1/21/16 | Mon 1/25/16 | 21 days 329 |
| 170 | Operable Partition at Commons/Gym | 5 days | Thu 1/7/16 | Wed 1/13/16 | Tue 1/19/16 | Mon 1/25/16 | 8 days 183SS |
| 150 | Kitchen FRP | 5 days | Mon 1/11/16 | Fri 1/15/16 | Tue 1/19/16 | Mon 1/25/16 | 6 days 149 |
| 154 | MEP Trim | 7 days | Mon 1/11/16 | Tue 1/19/16 | Fri 1/15/16 | Mon 1/25/16 | 4 days 149 |
| 155 | Final Cleaning | 5 days | Wed 1/20/16 | Tue 1/26/16 | Tue 1/26/16 | Mon 2/1/16 | 4 days 170,154,150,194 |
| SECTOR B ADMINISTRATION AREA | | 76d | Mon 10/19/15 | Mon 2/1/16 | Mon 10/19/15 | Mon 2/1/16 | |
| 187 | Elevator Shaft Framing | 3 days | Mon 10/19/15 | Wed 10/21/15 | Mon 10/19/15 | Wed 10/21/15 | 0 days |
| 130 | MEP Rough-Ins | 10 days | Mon 10/19/15 | Fri 10/30/15 | Mon 10/19/15 | Mon 11/2/15 | 1 day |
| 303 | Drywall at Elevator Shaft | 3 days | Thu 10/22/15 | Mon 10/26/15 | Thu 10/22/15 | Mon 10/26/15 | 0 days 187 |
| 188 | Install Elevator | 15 days | Tue 10/27/15 | Mon 11/16/15 | Wed 11/4/15 | Tue 11/24/15 | 6 days 303 |
| 131 | Drywall | 7 days | Tue 11/3/15 | Wed 11/11/15 | Tue 11/3/15 | Wed 11/11/15 | 0 days 130,311,310 |
| 132 | Finish Drywall | 7 days | Tue 11/17/15 | Wed 11/25/15 | Wed 11/25/15 | Thu 12/3/15 | 6 days 188,131 |
| 133 | Painting | 5 days | Thu 11/26/15 | Wed 12/2/15 | Fri 12/4/15 | Thu 12/10/15 | 6 days 132 |
| 134 | Ceiling Grid | 5 days | Thu 12/3/15 | Wed 12/9/15 | Fri 12/11/15 | Thu 12/17/15 | 6 days 133 |
| 135 | Ceiling Grid Rough-Ins | 6 days | Thu 12/10/15 | Thu 12/17/15 | Fri 12/18/15 | Fri 12/25/15 | 6 days 134 |
| 136 | Drop Ceiling Tiles | 4 days | Fri 12/18/15 | Wed 12/23/15 | Mon 12/28/15 | Thu 12/31/15 | 6 days 135 |
| 139 | Install Casework | 5 days | Thu 12/24/15 | Wed 12/30/15 | Fri 1/1/16 | Thu 1/7/16 | 6 days 136 |
| 141 | Tack Surfaces & Markerboards | 5 days | Thu 12/31/15 | Wed 1/6/16 | Wed 1/13/16 | Tue 1/19/16 | 9 days 139 |
| 330 | Install Building Accessories | 5 days | Thu 12/31/15 | Wed 1/6/16 | Fri 1/8/16 | Thu 1/14/16 | 6 days 139 |
| 137 | Polish Concrete Floors | 6 days | Thu 12/31/15 | Thu 1/7/16 | Thu 12/31/15 | Thu 1/7/16 | 0 days 133,110 |
| 140 | MEP Trim | 7 days | Thu 12/31/15 | Fri 1/8/16 | Mon 1/11/16 | Tue 1/19/16 | 7 days 139 |
| 195 | Install Doors & Hardware | 3 days | Thu 1/7/16 | Mon 1/11/16 | Fri 1/15/16 | Tue 1/19/16 | 6 days 330 |
| 198 | Finish Carpentry/Benches | 8 days | Fri 1/8/16 | Tue 1/19/16 | Fri 1/8/16 | Tue 1/19/16 | 0 days 137 |
| 138 | Install Carpeting | 4 days | Wed 1/20/16 | Mon 1/25/16 | Wed 1/20/16 | Mon 1/25/16 | 0 days 195,140,141,198 |
| 156 | Final Cleaning | 5 days | Tue 1/26/16 | Mon 2/1/16 | Tue 1/26/16 | Mon 2/1/16 | 0 days 138 |
| SECTOR B MEDIA CENTER AREA | | 79d | Mon 10/12/15 | Thu 1/28/16 | Mon 10/12/15 | Mon 2/1/16 | |
| 122 | Wall Framing | 3 days | Mon 10/12/15 | Wed 10/14/15 | Mon 10/12/15 | Wed 10/14/15 | 0 days |
| 123 | MEP Rough-Ins | 8 days | Thu 10/15/15 | Mon 10/26/15 | Thu 10/15/15 | Wed 11/11/15 | 12 days |
| 124 | Drywall | 6 days | Thu 11/12/15 | Thu 11/19/15 | Thu 11/12/15 | Thu 11/19/15 | 0 days 123,42,131 |
| 125 | Finish Drywall | 6 days | Fri 11/20/15 | Fri 11/27/15 | Fri 11/20/15 | Fri 11/27/15 | 0 days 124 |
| 209 | Paint Exposed Media Area Ceilings | 5 days | Mon 11/30/15 | Fri 12/4/15 | Tue 12/1/15 | Mon 12/7/15 | 1 day 125 |
| 129 | Painting | 6 days | Mon 11/30/15 | Mon 12/7/15 | Mon 11/30/15 | Mon 12/7/15 | 0 days 125 |
| 126 | Polish Concrete Floors | 3 days | Tue 12/8/15 | Thu 12/10/15 | Tue 12/8/15 | Thu 12/10/15 | 0 days 129,209,101 |
| 319 | Wood Finishes at Media Workroom | 5 days | Fri 12/11/15 | Thu 12/17/15 | Mon 1/11/16 | Fri 1/15/16 | 21 days 126 |
| 128 | Install Casework | 8 days | Mon 1/4/16 | Wed 1/13/16 | Wed 1/6/16 | Fri 1/15/16 | 2 days 126,88 |
| 331 | Install Building Accessories | 2 days | Thu 1/14/16 | Fri 1/15/16 | Mon 1/18/16 | Tue 1/19/16 | 2 days 128,319 |
| 196 | Install Doors & Hardware | 4 days | Mon 1/18/16 | Thu 1/21/16 | Wed 1/20/16 | Mon 1/25/16 | 2 days 331 |
| 127 | Install Carpeting | 2 days | Fri 1/22/16 | Mon 1/25/16 | Tue 1/26/16 | Wed 1/27/16 | 2 days 128,331,196 |
| 191 | Final Cleaning | 3 days | Tue 1/26/16 | Thu 1/28/16 | Thu 1/28/16 | Mon 2/1/16 | 2 days 127,93 |
| SECTOR B RESTROOMS FIRST FLOOR | | 70d | Mon 10/12/15 | Fri 1/15/16 | Mon 10/12/15 | Mon 2/1/16 | |
| 75 | MEP Restroom BN1 Rough-Ins (B121/122/123) | 3 days | Mon 10/12/15 | Wed 10/14/15 | Mon 10/12/15 | Wed 10/14/15 | 0 days |
| 9 | MEP Restroom C1 Rough-Ins (C102/103/104/105) | 4 days | Thu 10/15/15 | Tue 10/20/15 | Thu 10/15/15 | Tue 10/20/15 | 0 days |
| 10 | Drywall at Restrooms C1 (C102/103/104/105) | 7 days | Mon 10/26/15 | Tue 11/3/15 | Mon 11/2/15 | Tue 11/10/15 | 5 days 26SS+2 days |
| 42 | Drywall at Restrooms BS1 (B139/140/141/142) | 7 days | Mon 10/26/15 | Tue 11/3/15 | Tue 11/3/15 | Wed 11/11/15 | 6 days 58SS+2 days |
| 310 | Frame Restroom BAdmin Hardlids (B104/108/112/125C) | 2 days | Tue 10/27/15 | Wed 10/28/15 | Tue 10/27/15 | Wed 10/28/15 | 0 days 303 |

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Date: Tue 10/20/15

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Critical

Critical Split

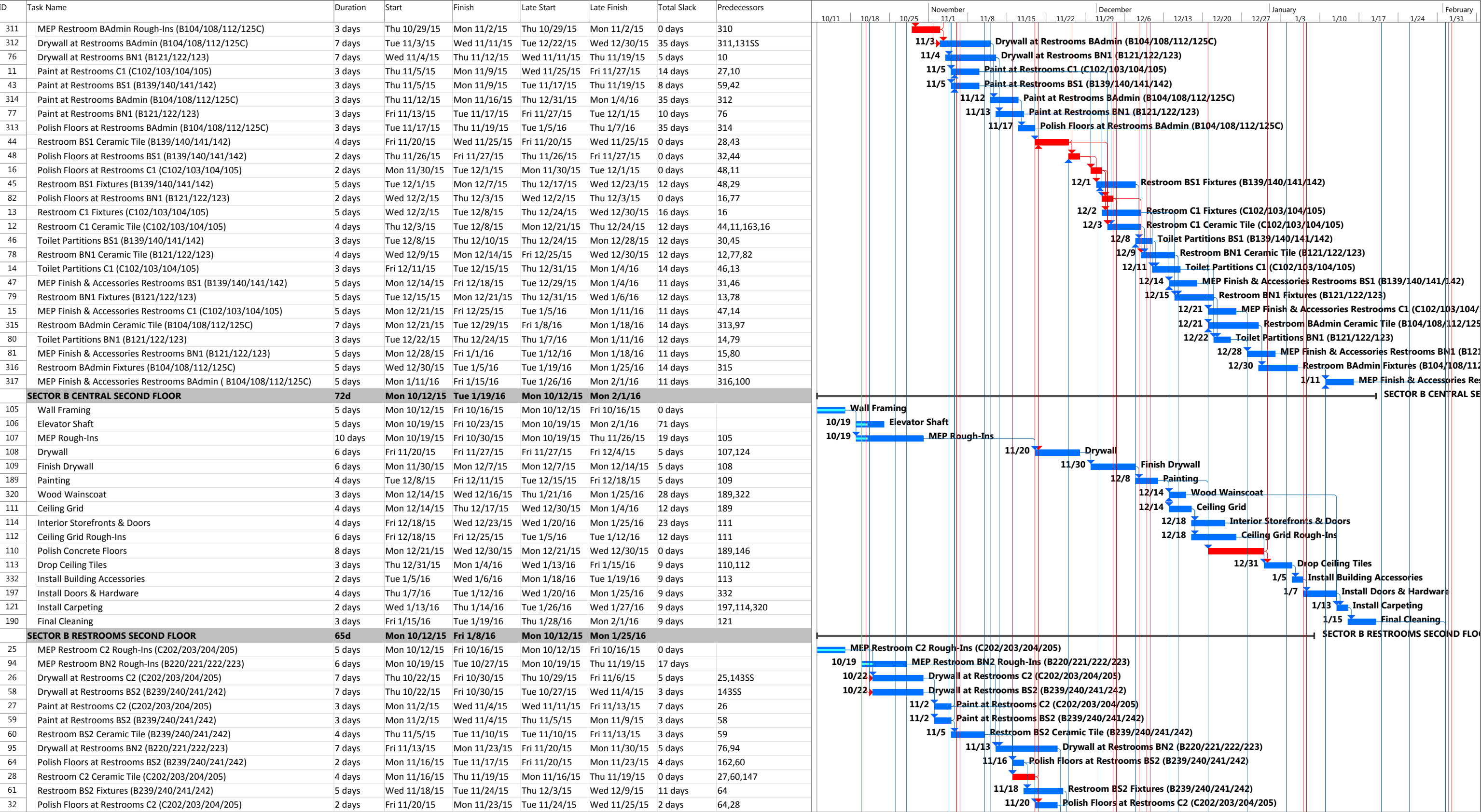
Progress

Manual Progress

HOWARD ELEMENTARY SCHOOL

OCTOBER 20, 2015

TODD CONSTRUCTION



Project: HOWARD ES Project Sc
Date: Tue 10/20/15

Task

Split

Milestone

Summary

Project Summary

Inactive Task

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Inactive Summary

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Manual Summary Rollup

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Finish-only

External Tasks

External Milestone

Deadline

Critical

Critical Split

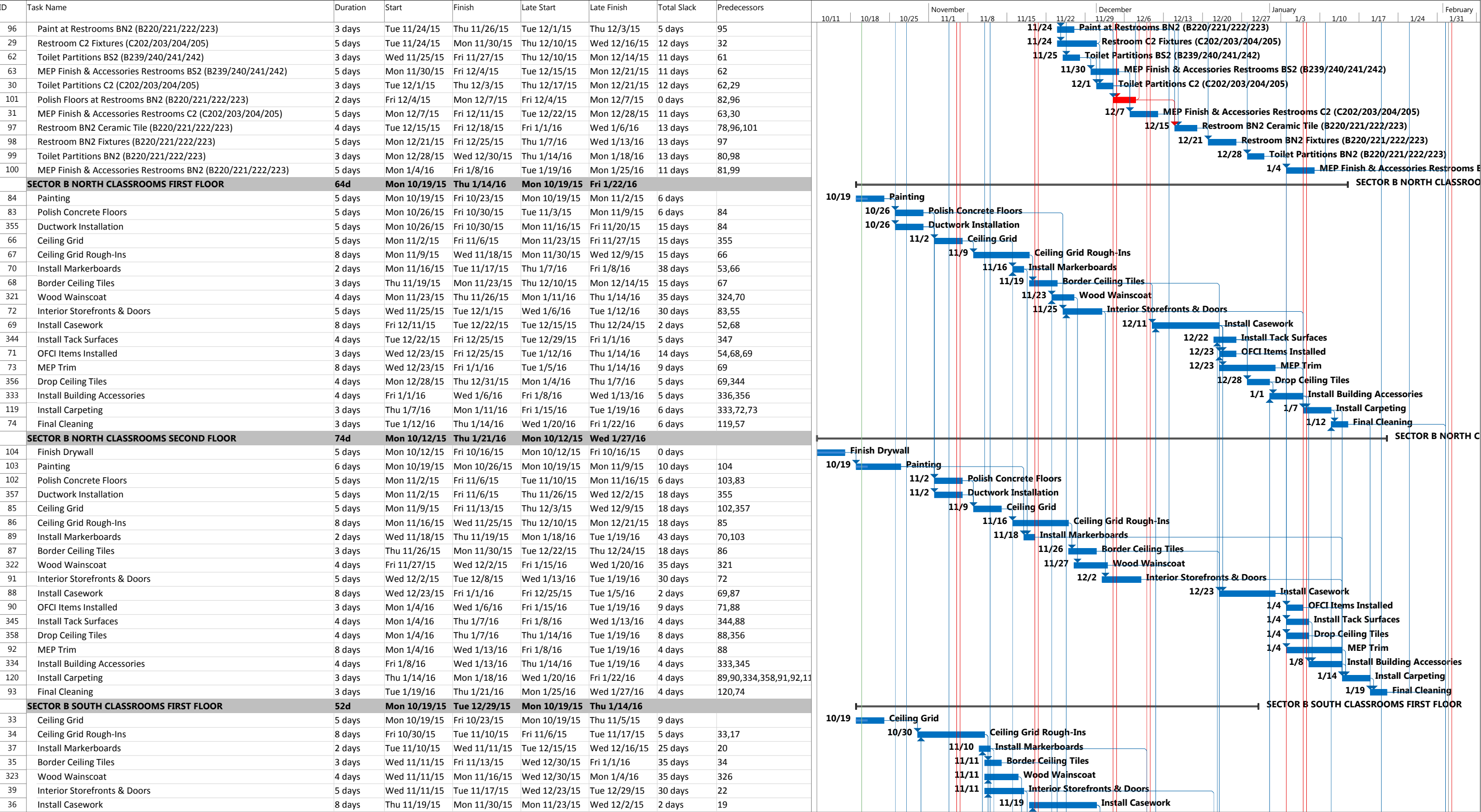
Progress

Manual Progress

HOWARD ELEMENTARY SCHOOL

OCTOBER 20, 2015

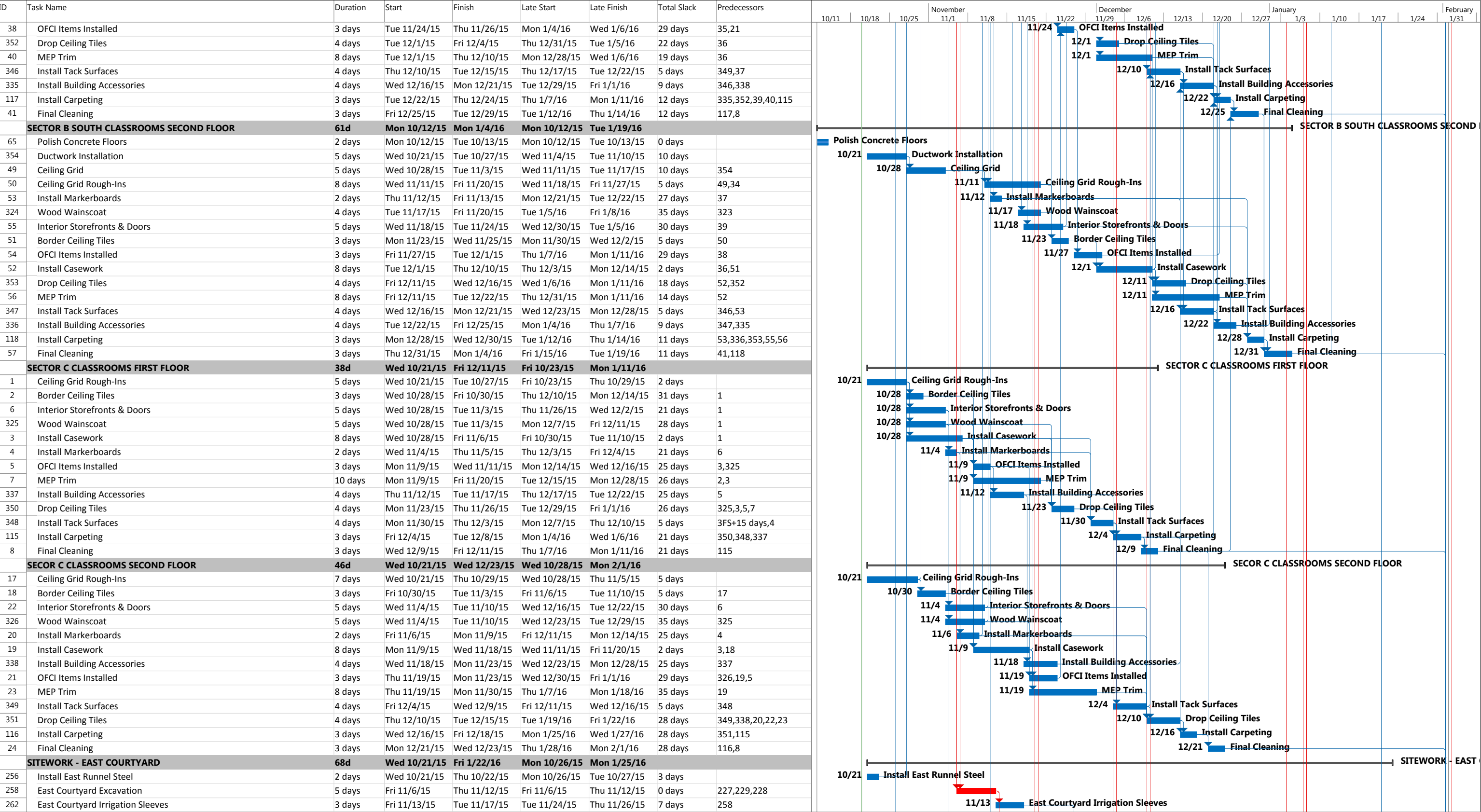
TODD CONSTRUCTION



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OCTOBER 20, 2015

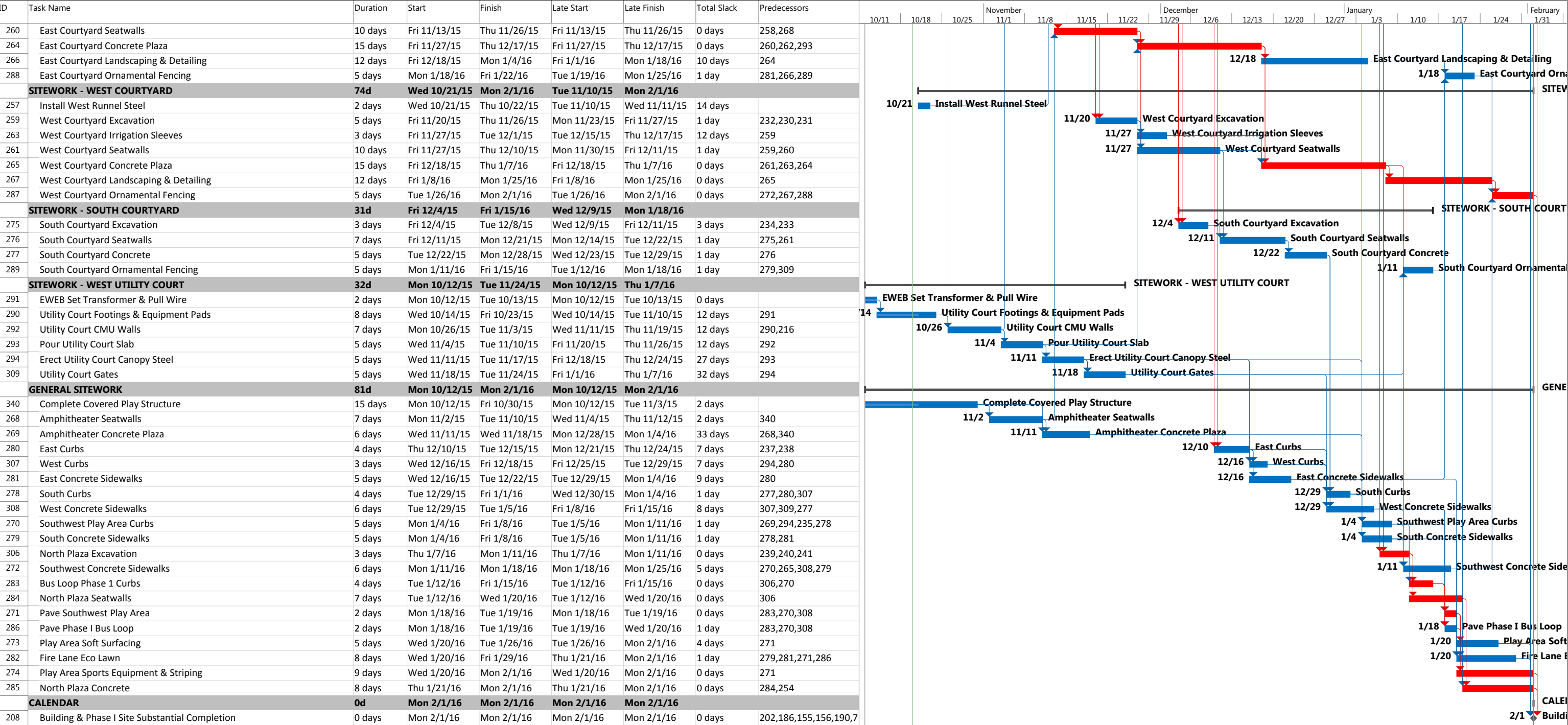
TODD CONSTRUCTION



HOWARD ELEMENTARY SCHOOL

OCTOBER 20, 2015

TODD CONSTRUCTION



Project: HOWARD ES Project S

Date: Tue 10/20/15

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|-----------|-----------------------------|--------------------------------|-----------------------------------|----------------------------|--------------------------------|-----------------------------|
| Task | <div></div> Summary | <div></div> Inactive Milestone | <div></div> Duration-only | <div></div> Start-only | <div></div> External Milestone | <div></div> Critical Split |
| Split | <div></div> Project Summary | <div></div> Inactive Summary | <div></div> Manual Summary Rollup | <div></div> Finish-only | <div></div> Deadline | <div></div> Progress |
| Milestone | <div></div> Inactive Task | <div></div> Manual Task | <div></div> Manual Summary | <div></div> External Tasks | <div></div> Critical | <div></div> Manual Progress |