



SCHOOL BOARD ACTION REPORT

DATE: February 14, 2019
FROM: Denise Juneau, Superintendent
LEAD STAFF: Fred Podesta, Chief Operations Officer
206-252-0644, fhpodesta@seattleschools.org
For Introduction: March 27, 2019
For Action: April 17, 2019

1. TITLE

BEX IV & BTA IV: Approval of the Constructability Report; Resolution No. 2018/19-19 certifying the Intent to Construct; and Resolution No. 2018/19-20 certifying 5- Year Use / 30-Year Building Life for the Daniel Bagley Elementary School Modernization and Addition project

2. PURPOSE

School Board approval of the Constructability Report, Intent to Construct Resolution and 5-Year Use / 30-Year Building Life Resolution are required by the Washington Administrative Code part of the Office of Superintendent of Public Instruction (OSPI) D-Form approval process to receive state funding assistance for the Daniel Bagley Elementary School Modernization and Addition project.

3. RECOMMENDED MOTION

I move that the School Board approve the Constructability Report, by LRC Consultants, Inc., dated November 15, 2018 as complete and approve Resolution No. 2018/19-19 and Resolution No. 2018/19-20 for the Daniel Bagley Elementary School Modernization and Addition project.

4. BACKGROUND INFORMATION

- a. **Background** First, the constructability review process is part of the systematic approach for design quality assurance. Though this process is a requirement for state funding assistance purposes, this review is also undertaken as a standard practice to minimize changes during construction and to support the quality assurance of the facility design. The professional service fee for this constructability review report is \$28,860. Approval of the constructability report is required by WAC 392-344-085.

Second, School Board approval of the Intent to Construct Resolution is required by the Washington Administrative Code 392-344-130 as part of the D-form approval process to receive state funding assistance for the Daniel Bagley Elementary School Modernization and Addition project.

Finally, Washington Administrative Code 392-347-030 requires that any school facilities modernized under WAC 392-347-015 must be used for instructional purposes for at least five years beyond the completion of modernization and that the board adopt a resolution

in this regard. This regulation applies to the Daniel Bagley Modernization and Addition Project.

- b. **Alternatives** Do not approve the Daniel Bagley Elementary School Modernization and Addition project constructability review report as complete; and/or do not approve the Intent to Construct resolution and/or do not approve the 5-Year Use / 30-Year Building Life Resolution. These alternatives are not recommended.
- c. If the Board does not accept the report or approve the Intent to Construct resolution, it would delay the issuance of the form D-10, which allows the district to execute the Guaranteed Maximum Price Amendment and could impact the district's receipt of state funding assistance. Not having the ability to open bids in a timely manner would have a negative impact on the project schedule. If state funding assistance requirements are not met, the district will not receive up to \$1,972,000 in state funding assistance for this project. Additional capital funds would need to be obtained to complete the project. The total anticipated construction cost for this project, is \$40,300,000.
- d. **Research:**
 - Office of Superintendent of Public Instruction Form D-9
 - Washington Administration Code 392-343-080
 - Washington Administrative Code 392-344-130
 - Washington Administrative Code 392-347-015
 - Washington Administrative Code 392-347-030

5. FISCAL IMPACT/REVENUE SOURCE

Fiscal impact to this action will be to secure up to \$1,972,000 in state funding assistance for the Daniel Bagley Elementary School Modernization and Addition project. This action does not represent a specific expenditure.

The revenue source for this motion is the State's School Construction Assistance Program (SCAP).

Expenditure: One-time Annual Multi-Year N/A

Revenue: One-time Annual Multi-Year N/A

6. COMMUNITY ENGAGEMENT

With guidance from the District's Community Engagement tool, this action was determined to merit the following tier of community engagement:

Not applicable

Tier 1: Inform

Tier 2: Consult/Involve

Tier 3: Collaborate

The development of the BEX and BTA projects list underwent extensive community engagement.

7. EQUITY ANALYSIS

This motion was not put through the process of an equity analysis. The selection of projects in the BEX and BTA program was designed to provide equitable access to schools across the district.

8. STUDENT BENEFIT

The modernization of Daniel Bagley Elementary School will further address the student capacity needs in the Northwest region of the district. This action will also benefit students by providing the necessary funding to design and construct a school facility which meets current educational specifications and operational goals.

9. WHY BOARD ACTION IS NECESSARY

Amount of contract initial value or contract amendment exceeds \$250,000 (Policy No. 6220)

Amount of grant exceeds \$250,000 in a single fiscal year (Policy No. 6114)

Adopting, amending, or repealing a Board policy

Formally accepting the completion of a public works project and closing out the contract

Legal requirement for the School Board to take action on this matter

Board Policy No. _____, [TITLE], provides the Board shall approve this item

Other: To secure state funding assistance for the Modernization and Addition Project at Daniel Bagley Elementary School

10. POLICY IMPLICATION

Performing a constructability review report is a requirement of the Office of Superintendent and Public Instruction (OSPI) for state funding assistance form D-9. School Board approval of the Intent to Construct Resolution and 5-Year Use / 30-Year Building Life Resolution is required by the Washington Administrative Code (WAC) 392-344-130, 392-347-015 and 392-347-030 and must also be submitted for state funding assistance form D-9. These actions are consistent with Board Policy No. 6100, Revenues from Local, State, and Federal Sources, which states, “It is the policy of the Seattle School Board to pursue systematically those funding opportunities that are consistent with district priorities from federal, state, and other governmental units, as well as from private and foundation sources,” and “the Board agrees to comply with all federal and state requirements that may be a condition for the receipt of federal or state funds....”

11. BOARD COMMITTEE RECOMMENDATION

This motion was discussed at the Operations Committee meeting on March 14, 2019. The Committee reviewed the motion and moved it forward with a recommendation for consideration by the full Board.

12. TIMELINE FOR IMPLEMENTATION

Implementation of the accepted recommendations is immediate.

13. ATTACHMENTS

- Daniel Bagley Elementary Constructability Review (for approval)
- Resolution No. 2018/19-19 Intent to Construct (for approval)
- Resolution No. 2018/19-20 5-Year Use / 30-Year Building Life (for approval)



Constructability Review Report

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For questions and more information about this document, please contact the following:

Kristi Jones
Project Assistant Capital Projects
@seattleschools.org

Constructability review and comments report for the Daniel Bagley Elementary School.

SEATTLE SCHOOL DISTRICT

LRC CONSULTANTS, Inc. DESIGN/CONSTRUCTABILITY REVIEW COMMENT RESOLUTION

Project Name: Daniel Bagley Elementary School Addition

Construction Manager: Pat McGlothlin

| | | | |
|--|--|-----------------------------|-------------------------------------|
| Consultant: <u> LRC Consultants </u> | Date: 11/15/18/18 <u> </u> | Program Documents | |
| Reviewers: _____ | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | <input type="checkbox"/> |
| | | Design Development | <input type="checkbox"/> |
| | | Construction Documents 95 % | <input checked="" type="checkbox"/> |

| Drawing or Spec Ref. | Item No. | Coordination Comments | A & E Response | Resolution Date |
|--|----------|---|---|--|
| AA1.12, A2.14, A2.14a, A2.71, A2.74, S2.14, M3.14, Electrical | C1: | <p>The following comments apply to rated partitions throughout.</p> <p>A) AA1.12 Code plans doesn't currently identify any rated partitions symbols on the Code Plan legend or reference any plan notes indicating rated partition locations. For clarity and ease of use, suggest updating this sheet identifying the intended rated partition locations and add plan notes identifying where horizontal floor ratings are intended.</p> <p>B) An email to the Architect on 10/9/18 generated an updated sheet AA1.12 PDF sent out on 10/10/18 identifying some 1-hour rated partitions. However, there are some discrepancies between that updated PDF and locations noted on A2.14 to receive 1-hour partitions. Specifically, A2.14 notes a rated shaft on the north wall room 148 and 226. M3.14 shows combination smoke/fire dampers at this shaft location. Suggest updating AA1.12 if this is a rated shaft.</p> <p>C) S2.14 at the (3) vertical shafts in the classroom wing show to block out the entire slab area of the floor opening. M3.14 is showing to install horizontal combination smoke/fire dampers in (2) locations and wall dampers at the NE shaft location. These will require a tighter concrete floor assembly tolerance around the ductwork/dampers to maintain the ratings, or Architectural will need to provide rated framing assembly to enclose dampers. Intent is not clear.</p> <p>D) The 10/10/18 email from the Architect noted the shaft walls at basement NE shaft may need to be abandoned to avoid duct conflicts (see section 3/A4.05 at basement) which would relocate dampers to a horizontal installation within floor assembly. This looks like a good idea and M3.14 would need to update damper reference locations for clarity.</p> <p>Rated partition comments continue on next page...</p> | <p>A) Done. MH updated plan.</p> <p>B) Done. MH updated plan.</p> <p>C) Intent is to provide separate openings for each fire smoke damper.</p> <p>D) Done. Refer to updated wall section.</p> | <p>A) 11/15/18</p> <p>B) 11/15/18</p> <p>C) 12/5/18</p> <p>D) 11/15/18</p> |

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| | | <p>Rated partition comments continued from previous page...</p> <p>E) A2.71 at door T01-10 notes a 20-minute rating. Suggest AA1.12 identify this wall as a rated wall for Mechanical piping and Electrical Contractors understanding additional work will be required at these penetrations.</p> <p>F) A2.11 shows and notes existing room 125A with rated walls. Suggest AA1.12 should identify rating of room area for any wall patching or new penetrations for clarity.</p> <p>G) Architectural floor plans should reference rated partition types at intended rated wall locations for clarity.</p> | <p>E) Done. MH updated plan.</p> <p>F) Done. MH updated plan.</p> <p>G) Done. MH updated plan.</p> | <p>E) 11/15/18</p> <p>F) 11/15/18</p> <p>G) 11/15/18</p> |
| A1.20, A2.10, S2.10 | C2: | A1.20 in existing tunnel between column designations 7-8 notes to sawcut and demo foundation wall for duct recess. A2.10 shows new concrete wall (no wall type?) and S2.10 shows wall location with light shading representing existing. Is this a concrete wall or masonry? Intent is not clear. | Done. Refer to updated structural plan and details. | 11/15/18 |
| A1.20, S2.10, S4.00, S4.01, M1.31 | C3: | <p>A1.20 in boiler room area shows locations where to sawcut and demolish concrete SOG for Mechanical piping.</p> <p>A) The layout of the sawcut areas needs better coordination with the layout of the Mechanical piping noted on M1.31. Some of what is shown on A1.20 isn't required for piping.</p> <p>B) S2.10 doesn't address any concrete SOG pour-back of demolished SOG. 12/5/18weling into existing slab be required? Typical concrete details on S4.00 and S4.01 don't address SOG pour-back around existing concrete.</p> | <p>A) Done. MH updated plan.</p> <p>B) Done. Refer to updated structural details.</p> | 12/5/18 |

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| Architectural, M1.31 | C4: | M1.31 in boiler room is an example location where floor drains are shown in SOG. Cannot find a “typical” detail condition that address concrete slopes to drains. Is the concrete flat, does it have a 5’-0” radius slope to drain or something else? Intent is not clear and same condition exists in classroom basement area. | Done. Refer to enlarged toilet room plans. New floor drains will have 18” dia circle slope to drain. | 11/15/18 |
| A1.20, S2.10 | C5: | A1.20 in tunnel below the north wall area of room 139 shows to demolish concrete SOG area. S2.10 shows what appears to be a new footing for an HSS 6x6 column but doesn’t identify a footing type or provide any details. Extent of demolition and intent of what new concrete is wanted is not clear. | Done. Footing will be similar to detail 14/S7.00. | 11/15/18 |
| A1.20, A2.10, S2.10 | C6: | A1.02 and A2.10 around the perimeter of the exterior walls at tunnel area references (E) 8 ½” x 8 ½” tunnel vents typical. S2.10 shows new concrete shear walls in tunnel areas covering up these vents (north end), but A2.10 at one location (near grid Be) implies vent is to pass through concrete shear wall. Should these vents be extended through concrete shear walls or be plugged up? Intent is not clear, and details are needed if vents are to be maintained. | Done. Opening should extend through concrete. Refer to updated structural plan. | 11/15/18 |
| A1.20, A1.21, A2.10, A3.14, S2.10 | C7: | A1.02 in tunnel below north wall room 113 shows to remove existing curb and SOG and replace with new concrete footing and foundation wall. S2.10 at same location references section 16/S4.21 that identifies size of footing. A) What is the bottom of footing elevation for this? B) Does the top of wall have rebar tie into the existing SOG to the north? Section 2/A3.14 shows concrete wall stopping below SOG and section 16/S4.21 shows top of wall matching top of SOG. Not clear what is wanted. Might require more demo on A1.21 for slab removal. | At Rm 133 Staff Lounge: A) Done. MH updated 2/A3.14. Top of footing elevation to match top of existing SOG. B) Done. New concrete wall to be poured tight to underside of existing structure. | 11/15/18 |

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| A2.10, A2.11, A4.01, M4.10, M9.06, E2.10 | C8: | <p>The following comments apply to the tunnel area.</p> <p>A) A2.10 around the exterior perimeter of the tunnel area shows a thin line representing layers of rigid insulation (R-16 makeup) per A4.00 assembly type W6. M4.10 shows the layout of hydronic piping in the tunnels and references details 5 and 7/M9.06 for typical installation condition. Section 7/M9.06 notes to route the piping tight to wall and elevation 5/M9.06 shows to mount the automatic flow control assemblies to the wall. All of this piping assembly will probably be supported by Unistrut brackets anchored to the concrete. Does the rigid insulation install around all of this piping and bracket supports or before? Suggest providing an explanation of material installation and consider sections of framing with plywood backing installed at automatic flow control assembly areas.</p> <p>B) E2.10 shows some wall mounted fixtures installed on same side of wall as rigid insulation. Should these fixtures install on surface of rigid insulation or have insulation cut around fixtures? Can the conduit to these fixtures route behind insulation or should it drop down from tunnel roof so conduit in future is more accessible?</p> <p>C) Suggest Architect provide a “typical” wall section/elevation so all contractors understand installation intent and leave a product that is secure for future maintenance.</p> | <p>A) Done. Refer to 12/A7.00. Detail can be applied throughout perimeter of tunnels in locations coordinated by GC/subcontractors.</p> <p>B) Light fixtures to be mounted on the interior side of the tunnel where there is no insulation.</p> <p>C) Done. Refer to A4.06.</p> | 11/15/18 |
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| A2.10, A2.11, A4.01, E6.10 | C9: | <p>E6.10 shows the routing of telecom wiring within the tunnel.</p> <p>A) E6.10 references flag note 16 at grid Ce/2e.6 which notes to provide sleeved conduit penetrations. At this location, there doesn't appear to be any concrete wall to sleeve through. See A2.10</p> <p>B) E6.10 at grid Ce/3e.6 references flag note 15 which identifies vertical sleeved conduits (2) 4" and (4) 2" and E6.11 shows to continue those conduit sizes vertically into the ceiling of the 1st floor. Section 1/A4.01 is the typical condition at this area of tunnel that shows the rigid insulation in tunnel lining up with rigid insulation above with 3½" studs and ¼" airspace. Can the 4" conduit install within the insulation zone, or does it have to install on the face of insulation? If on the face, the stud size isn't wide enough to contain the vertical 4" sleeves.</p> | <p>A) There is no concrete wall at the south end of the main tunnel. The conduit will penetrate a new framed 1-hr partition.</p> <p>B) It is acceptable to interrupt the rigid insulation for this limited area.</p> | 11/15/18 |
| M2.10, M4.10, E3.00, E6.10 | C10: | <p>Mechanical and Electrical in tunnel areas should be referencing all the core drilling that will need to occur through existing concrete walls to access various tunnel locations and common wall between new/existing classroom areas.</p> | <p>Mechanical and electrical general notes cover this and refer to architectural.</p> | 11/15/18 |
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| A1.20, A1.21, A2.10, A2.11, S2.10, S2.11 | C11: | <p>The following comments apply to the shear wall installations at the north/south walls of entry stair S01.</p> <p>A) A1.20 and A1.21 note to sawcut and demo portions of stem wall at ramp and SOG at new concrete shear wall areas. S2.10 shows where micropiles are installed below the shear walls. The bottom of pile cap will be -7'-2" below FF 0'-0" per elevation 2/S3.02 and detail 8/S7.00. At that depth, the distances shown on A1.21 for SOG removal will require some type of shoring system to prevent undermining of existing soils below SOG that remains. This should be noted.</p> <p>B) The other issue is available space for micropile equipment. It appears that removing a minimal amount of existing SOG will make access to micropile locations for the micropile equipment difficult especially at the north wall. In addition, the operation of the micropile equipment on the existing SOG will probably damage edge of slab (or more) with the normal operations. Suggest removing more existing SOG to allow the micropile equipment to operate on soil and make the entire operation easier to access.</p> <p>C) S2.61 shows the layout of the new concrete ramp at the reception area. Section 5/S4.21 shows the new ramp foundation wall to pour up to top of existing SOG. How is the soil under the existing SOG to remain to allow this vertical concrete to be installed? It would appear more existing SOG will need removed from the vertical face of ramp wall allowing a piece of SOG to pour back once soil behind wall is backfilled and compacted properly or some type of sheet piling is used.</p> <p>D) Will the Contractor need to provide shoring of existing tunnel ceiling for mobilizing micropile equipment into building? If so, suggest noting requirement and any special submittals/Engineering required.</p> | <p>Design team notes that GC/CM has reviewed the micropile foundations and they have discussed drilling piles through existing SOG before demolition. Construction shoring is part of the GC/CM's means and methods.</p> <p>LYDIG – Items A-C: additional SOG in these areas will be required to facilitate these excavations to bottom of footing. Working access will be required at bottom of excavation, with 1x1 slope as the best-case scenario. Need to expand slab demo shown on demo drawings and required replacement slab on structural drawings.</p> <p>Item D – engineer for shoring of tunnel lids for equipment access to be hired by GCCM</p> | 1/2/19 |

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| A2.11, A4.05, S2.61 | C12: | A2.11 at new concrete ramp in vestibule 100 references section 1/A4.05 which shows a new short vertical concrete wall on top of a new concrete elevated slab. S2.61 doesn't show a section through this same area above the C5x9 support beam. Suggest providing a Structural section detail showing vertical concrete if that is the intent. | Done. The partial height wall is a framed partition wall with HSS to support free end and mid-point. | 12/5/18 |
| A1.21, A2.11, A4.24, S2.11 | C13: | Section 8/A4.24 shows two wall areas noted to receive a concrete infill. S2.11 doesn't identify any concrete infill at this location. Needs updated with details and reinforcement information. | Done. KPFF updated S2.11. | 11/15/18 |
| A1.21, A2.11, A2.11a, S2.10, S2.11 | C14: | <p>A1.21 at west end of boiler room notes to demolish concrete for equipment access hatch. A2.11 at same location notes to install new equipment hatch and curb.</p> <p>A) S2.10 and S2.11 don't provide any information around this new opening. Will the existing concrete need some type of steel support around the new opening?</p> <p>B) What is the size of this opening? A2.11a and A1.21 don't provide any dimensions.</p> <p>C) What is the new curb made of? Concrete or wood framing?</p> <p>D) What is the door/hatch for this location? Suggest providing details, descriptions, and consider a door number to tie it to door schedule.</p> <p>E) Need a specification for this door/hatch. Is this a custom item per 55000 or a manufactured item in 77233? Intent isn't clear.</p> | <p>A) Existing concrete doesn't need new structural support because entire area of slab is removed from wall to beam.</p> <p>B) Refer to site plan.</p> <p>C) Done. MH provided detail.</p> <p>D) Done. MH provided spec.</p> <p>E) Done. MH provided spec.</p> | 11/15/18 |

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| A1.20, A3.15, S2.10, S7.03, M2.10, M4.10, E3.00, E6.10 | C15: | <p>A1.20, at far south end of main tunnel notes to sawcut and demo for duct and access hatch. S2.10 references elevation 14/S7.03 that shows the rough openings for duct and hatch.</p> <p>A) There will need to be additional openings (core drilled holes) for Mechanical piping and Electrical that are not noted. Suggest noting additional openings for clarity.</p> <p>B) Will additional Structural members be required for support of existing concrete at these openings? Nothing is shown.</p> <p>C) Are there minimum distances between sawcut openings, existing wall surfaces, and future core drill openings? Nothing is dimensioned or noted.</p> <p>D) Suggest considering demolishing the entire tunnel wall opening and frame back with rated framed wall type. This will provide a larger and easier tunnel access for removal/mobilization of tunnel materials.</p> | CDs indicate demolition of entire wall at south end of tunnel with new framed 1-hr partition. | 11/15/18 |
| A1.21, M2.10 | C16: | M2.10 below room 128 shows the below SOG waste piping. A1.21 shows the parameters of existing SOG sawcutting for this room, but the layout doesn't match what is shown on M2.10. This is an example area of SOG demo that doesn't match what Mechanical piping will require (mainly at toilet, custodian, kitchen areas). Suggest A1.21 shows the general SOG demolition configuration like what Mechanical M2.10 is needing for clarity. | Done. MH updated A1.21. | 11/15/18 |
| A2.11, A3.01, A4.01, S2.11 | C17: | West elevation 6/A3.01 shows (7) concrete infill areas and references designation # 2 indicating cast in place concrete typical. Section 3/A4.01 at window sills notes to install new concrete at existing openings. S2.11 isn't showing any of this new concrete at window openings. | Done. KPFF updated A2.11 and provided detail. | 11/15/18 |
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| A1.21, A2.11, A4.04, S2.11, S3.30, S7.03 | C18: | <p>The following comments apply to the north wall room 115. South wall room 115 has similar comments</p> <p>A) A1.21 references demolition notes D7 indicating to cut into existing wall for column, reference Structural typical. What is the wall being cut? Is it an existing furred wall with brick or plaster/metal lath with brick, or just 13” of brick? Suggest clarifying for demolition scope.</p> <p>B) S2.11 at north wall room 115 shows (6) new HSS 8x8 columns. Elevation 1/S3.30 is referenced, but only shows a couple of columns at the NE corner. What is the dimensional layout of the columns? Nothing is noted or dimensioned.</p> <p>C) What are the base and top of HSS 8x8 column attachment details? Nothing is noted or referenced.</p> <p>D) How far into the existing wall are the columns supposed to be installed? There isn’t any dimensional reference from grid 5e locating columns in N/S direction. Suggest proving an enlarged detail of a typical column showing intent of demolition extents around column.</p> <p>E) Is there any additional Structural attachment of vertical HSS 8x8 columns to the building other than at the top/bottom? Nothing is shown and if additional bolted plates/clips are wanted, additional demolition may be required.</p> <p>F) Section 5/A4.04 references wall type W2 at this north wall area. Wall type W2/A4.00 notes to install light gauge metal furring with R-13 batt insulation. What is the size of the furring studs? It’s not clear how far into existing wall the new HSS 8x8 column is installed to understand what size of stud will be required to conceal Structural framing. Needs updated with stud sizing for clarity.</p> <p>Room 115 north/south wall comments continue on next page...</p> | <p>A) Done. MH clarified flag note.</p> <p>B) Done. MH updated dimensioning plan to explain that center of HSS aligns with center of existing beam.</p> <p>C) Typical sections are cut on S2.11 and S2.21 and shown on S7.03.</p> <p>D) Max depth is 6” per S7.03.</p> <p>E) Columns are only attached to the wall at top and bottom.</p> <p>F) Done. MH updated W2 on A4.00.</p> | <p>A) 11/15/18</p> <p>B) 12/5/18</p> <p>C) 11/15/18</p> <p>D) 11/15/18</p> <p>E) 11/15/18</p> <p>F) 12/5/18</p> |

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| Reviewers: _____ | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | <input type="checkbox"/> |
| | | Design Development | <input type="checkbox"/> |
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| | | <p>Room 115 north/south wall comments continued from previous page...</p> <p>G) If detail 8/S7.03 is intended to be the base detail of HSS 8x8 columns, what is the thickness and size of the base plate, the welding requirement of plate to column, the quantity and size of anchors, and the gauge layout of the anchor holes in the base plate? Intent is not clear, and this detail should be referenced if our assumption is correct.</p> <p>H) If detail 4/S7.03 is intended to be the top detail of HSS 8x8 columns, what is the size of the cap plate, the welding requirement of plate to column, the quantity and size of anchors, the gauge layout of the anchor holes in the cap plate and detailed interaction of salvaged existing wood bracket to new Structural components? Intent is not clear, and this detail should be referenced if our assumption is correct.</p> <p>I) Detail 8/S7.03 notes to demolish existing wall 6" max for column installation. What is the max width of the demolition?</p> <p>J) Will any grout (or other material) backfill be required between new HSS 8x8 and existing brick at vertical demolition?</p> <p>K) A1.21 room 115 demolition note D7 states to remove decorative corbels. A1.25 in same area notes to protect existing corbels implying they are to remain. Suggest clarifying intent noting to remove and protect for reinstallation.</p> <p>L) S2.11 and elevation 2/S3.30 show the south wall HSS 8x8 columns and reference same details showing to cut columns into existing wall. The existing wall at the south end appears to be concrete not brick. This should be noted on A1.21 and Structural details/elevations for clarity.</p> | <p>G) Done. KPFF provided detail.</p> <p>H) Done. KPFF revised detail and MH provided architectural detail for bracket reinstall.</p> <p>I) Done. Refer to updated detail 18A and 18B/A7.00.</p> <p>J) Refer to updated structural details.</p> <p>K) MH updated note on A1.25 to indicate remove protect and store.</p> <p>L) All HSS that recess are recessed into existing brick walls. (South wall of student dining is concrete only at interior portion of room that touches the 2 story building, KPFF has located the HSS away from this concrete.)</p> | <p>G) 11/15/18</p> <p>H) 11/15/18</p> <p>I) 12/5/18</p> <p>J) 12/5/18</p> <p>K) 11/15/18</p> <p>L) 11/15/18</p> |

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| A2.11a, A2.72, A5.08, S2.11, S3.01 | C19: | <p>The following comments apply to the east shear wall along grid De/4e-5e.</p> <p>A) S2.11 references elevation 2/S3.01 at this new concrete wall. Elevation 2/S3.01 doesn't provide the vertical or horizontal concrete reinforcement information.</p> <p>B) Elevation 2/S3.01 shows the height/width dimensions at the existing windows which match the dimensions on A2.72. Finished head, jamb, sill window details at this location have not been provided yet. Does the concrete want to have that tight of tolerance or should it hold back for wall furring and GWB installation at inside faces of window jambs to return to window concealing the edges of rigid insulation and framing? Head, jamb, and sill details are needed for clarity.</p> | <p>A) Done. KPFF updated S3.01.</p> <p>B) Done. Refer to updated details and structural elevation.</p> | 11/15/18 |
| A1.22, A1.25, A2.42, S2.12, S7.04 | C20: | <p>S2.12 within grid areas Be-Ce/1e-3e shows locations where collector beams are installed in east/west direction (CB-1). Schedule 1/S7.04 references detail 14/S7.04 for collector beam installation. Detail 14 shows new channel members supported by through bolts with nuts below the floor of level 2 wood flooring.</p> <p>A) A1.22 should be showing and noting this selective floor demolition at these locations.</p> <p>B) A1.25 should be showing/noting the existing substrate removal as detail 14/S7.04 implies the channel collector beam is tight to existing concrete.</p> <p>C) A2.42 should be noting the patching back of wood flooring especially at room 218.</p> | <p>A) Done.</p> <p>B) Done.</p> <p>C) Done.</p> | 11/15/18 |

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| A1.25, A2.31, S2.12, S7.04 | C21: | S2.12 along grid Be/3e-3e.8 references collector beams CB-3 between existing concrete beams. Detail 16/S7.04 shows these beam installations and shows an additional C8x11.5 under the existing concrete beam tying the W18 collector beams together. A2.31 in rooms 121 and 119 show the typical GWB patch and overlay between existing concrete beams. This will leave the collector beams and lower C8x11.5 exposed. Is that the intent? If not, modifications are needed. If so, suggest showing/noting exposed steel that will need to be painted. | MH added GWB soffit between window head and ceiling, this room only, to accommodate this condition. | 11/15/18 |
| A1.23, A1.25, A1.26, S2.11, S2.12, S2.13, S3.01, S3.02 | C22: | S2.11 and S2.12 at (3) locations in the existing building grid areas 2e-3e/Be-Ce show to install new 12” thick concrete shear walls. Elevations 1/S3.01, 1 and 2/S3.02 show the concrete wall installed from tunnel floor up to underside of existing roof. A) A1.25 and A1.26 should be identifying the existing ceiling substrate demolition that will occur at the 1 st and 2 nd floor ceilings to install the formwork and concrete for these shear walls. B) A2.31, and A2.32 should show the concrete shear wall on grid Be/3e and note patching of substrate back around shear wall concrete. C) S2.13 needs to provide details at new concrete shear walls and existing attic framing members. Framing in areas will need to be shored, cut, and reattached/replaced in some manner that isn’t yet designed. | A) Done. B) Done. C) Done. | 12/5/18 |
| A1.23, S2.13, M3.13 | C23: | M3.13 shows new HVAC duct drops from attic down to 2 nd level. A1.23 at these locations references demolition notes D15 noting to cut back joists for Mechanical pathway. S1.23 hasn’t shown any of these cut back joists or shown how to support joists that are cut back for Mechanical pathway. Needs updated throughout the entire attic space. | Done. Refer to updated structural details. | 12/5/18 |

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| A1.20, A1.21, S2.11, MD1.01, M2.10, M3.10, M4.10 | C24: | MD1.01 shows the Mechanical demolition in the existing tunnel and M2.10, M3.10, and M4.10 show the new Mechanical components to be installed in various tunnel locations. Some of the tunnel lids are being demolished (shown on A1.21) at the new concrete shear wall locations, but only a small area of the main tunnel (N/S direction) lid is being removed west of new room 101. To facilitate the removal of larger pieces of demolished Mechanical equipment and mobilization of larger pieces of new Mechanical equipment into the tunnel area, suggest considering the removal of a small area of the tunnel lid in each zone of tunnel. Suggest a minimum 5’-0” long x 2’-0” wide in the tertiary tunnel areas to facilitate mobilizing 10’-0” lengths of piping for wet side Mechanical and full insulation sheets. The small existing access doors/hatches will create pinch points for mobilizing many new full-size materials and will result in significantly more piping joints. It could also help with any confined space limitations. | LYDIG – Access openings will be required as noted. Need to confirm that detail 1/S7.00 can be used for typical tunnel lid infills. Also need to confirm if opening need coordinated with structural engineer or if standard size/location requirements for access openings can be provided. | 1/2/2019 |
| A1.20, HM1, MD1.01 | C25: | MD1.01 and HM1 in the existing boiler room address the existing Mechanical component removal and hazardous materials associated with those materials. The existing condition has both boilers installed on a brick foundation (assume some concrete is behind the brick) with steel support framing down to the boiler room floor. The demolition of these boiler bases has not been identified. This is a large waste stream and top side of top brick row is painted with the boiler insulation, so not sure if any ACM would be involved in the top brick course. Needs reviewed and identified for clarity. | Selective demolition to access ACM to be removed is included, as is same to access internal boiler components presumed to contain ACM. (Requires confirmation of measurement and payment per Lydig comments.) | 12/5/18 |
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| A1.20, S2.01, S2.11 | C26: | <p>A1.20 in the existing boiler room shows two rooms with a dashed outline to be removed.</p> <p>A) These existing room walls are cast in place concrete that are full height of boiler room. To what extent do these walls demolish vertically, and is there any Structural support needed when walls are removed? S2.01 and S2.11 don't mention anything.</p> <p>B) A1.20 should show the existing (2) doors/frames in these walls that are shown to be removed for clarity.</p> | <p>A) Per the original drawings, these walls are URM which is typical of the existing interior partitions. They will be demolished full height, as is typical of all partitions indicated for demo.</p> <p>B) Done.</p> | 11/15/18 |
| A3.01, A3.02, HM2, HM3, Spec 99000 | C27: | <p>A3.01 and A3.02 randomly note "typical existing window: prep and paint exterior, ref hazmat, typical UNO".</p> <p>A) What are the intended prep and paint requirements of the exterior window system. Section 99000 part 1.1.B doesn't identify the existing wood windows and Part 3.6.D only identifies an exterior wood stain material for wood fencing and trim. To what extent are the existing windows "prepared and painted"?</p> <p>B) Depending on what painting scope is, HM2 and 3 should reflect associated ACM caulk/putty removal.</p> | <p>A) All existing windows to be prepped and painted.</p> <p>B) PBS reviewed their documents with Lydig.</p> | 12/5/18 |
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| | | | Construction Documents 95 % | X |
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| A1.21, A1.22, A1.24, A2.21, S2.12, S7.04, S7.05 | C28: | <p>S2.12 shows CB-1 channels installed at rooms 139, 136, and 121.</p> <p>A) Detail 14/S7.04 shows the installation of the CB-1. This will require existing roof demolition of low roof above 139, 131, and 128B that isn't shown on demolition or A2.21.</p> <p>B) It would be helpful if section 15/S7.05 show this collector beam passing through existing concrete beam for clarity.</p> <p>C) Does the roof of room 139 and 2nd floor align? Section 1/A4.02 indicates they don't. Does this affect CB-1 design if they don't align?</p> | <p>A) CB-1 attaches to the 2nd floor concrete where below Rm 219 it then sleeves through the beam on Grid Ce and attaches to the walls of the projecting bay. Roof demo is not anticipated for this install.</p> <p>B) Done. KPFF updated detail.</p> <p>C) Bottom of concrete does align, slab at Rm 219 is recessed. MH updated wall section.</p> | <p>A) 11/15/18</p> <p>B) 11/15/18</p> <p>C) 12/5/18</p> |
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| A3.00, A3.01, HM2, HM3, Spec 34913 | C29: | <p>HM2 and 3 Abatement notes 10 states ACM window putty (bet. Frame and glass) and frame caulk (bet. Frame and rough opening) exists throughout and is to remain unless noted otherwise. Note 10.2 states to remove ACM window putty/frame caulk at locations of spot pane replacement. Refer to Architectural elevation sheets for locations and quantities. The Architectural exterior elevations also reference a note “A” stating to remove cast stone mullion, cut back steel support, provide weatherproofing and GFRC replica mullion cover to match profile.</p> <p>A) It appears that the existing vertical stone mullion has caulking between the stone mullion and wood window trim. Is the caulking at these vertical mullions also ACM? It wasn’t specifically identified in HM notes. If this location also contains ACM putty, suggest HM2 and 3 add another plan note identifying this scope of work.</p> <p>B) What is the scope of work? A3.01 item “A” talks about a lot of items, but existing window details on A6.11 that show this vertical mullion don’t address any demolition, cut back of steel support, weatherproofing concepts or replica mullion. Intent is not clear.</p> <p>C) Detail 14/A6.11 shows the mullion with wood trim on either side. Should this trim also be removed/salvaged for reinstallation? It appears the mullion removal would damage trim if trim remained in place.</p> | <p>A) Refer to updated hazmat sheets.</p> <p>B) Refer to updated window restoration details.</p> <p>C) The wood trim is intended to remain in place.</p> | 12/5/18 |
| S2.14, A2.14 | C30: | S2.14 should provide centerline dimensions of steel column and face dimension of foundation wall similar to what is shown on A2.14 for clarity to fabricators and installers. | Dimensions are shown on architectural dimensioning plans. | 11/15/18 |
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| A3.01, A3.02, A6.11, HM2, HM3, | C31: | A3.01 and A3.02 at existing windows references designation B to protect (E) cast stone mullion, clean and seal in place, reseal joints. A) HM2 and 3 doesn't specifically address this area as having ACM caulk/putty. If it is, suggest updating HM2 and 3 to reflect this scope of work. B) Suggest detail 14/A6.11 at least provide a plan note indicating the scope of resealing mullions as indicated on exterior elevations as the legend note is an otherwise obscure location for this work that is labor/equipment intensive. | A) Refer to updated hazmat sheets. B) Refer to updated window restoration details. | 12/5/18 |
| A2.14, S2.14 | C32: | S2.14 and A2.14 need to provide SOG elevations for shaft south of gridline 1. | MH added dimension on 1/A4.08. | 12/5/18 |
| A2.14, S2.14 | C33: | S2.14 grid B shows the brace frame column to be located east of grid B. A2.14 Level 1 plan shows these steel columns to be centered on grid B. | Keep center line per architectural plan. | 12/5/18. |
| S2.14, A4.26 | C34: | S2.14 foundation plan at stair 142, a section detail needs to be provided showing elevations and work scope of low retaining wall and slabs below stair run. See Sections 6 and 7/A4.26. | Refer to updated structural details. | 11/15/18 |
| S2.14, A2.66 | C35: | Enlarged plan 1/A2.66 shows a folded wall. North and south dimensions need to be provided. Structural should add folded wall dimension to plan on S2.14 for clarity. | Dimensions shown on architectural plans. Refer to updated A2.66. | 12/5/18 |
| A2.14a, S2.14 | C36: | A2.14a and S2.14 need to provide face of foundation wall dimensions. | Dimensions shown on architectural plans. | 11/15/18 |

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| A2.14, S2.14, M1.32 | C37: | A2.14 and M1.32 in new Mechanical room B01 shows a new sump pump area. S2.14 doesn't show this sump. Need to provide dimensions of sump and dimensional location of sump with section details identifying wall/slab size and reinforcement. | Refer to updated structural details. | 12/5/18 |
| A1.21, A2.11, A2.11a, S2.11, Spec 83100, | C38: | <p>A1.21 at various tertiary tunnel locations references flag note D13 to sawcut for tunnel access hatch.</p> <p>A) What is the size of these hatches? Nothing is designated on A2.11 or A2.11a. Suggest where possible a hatch larger than 2'x 2' so future maintenance can mobilize tools/equipment easier into smaller tunnel areas.</p> <p>B) We assume these access hatches are not miscellaneous access panels as Section 83100 part 2.1 only identifies wall and ceiling access doors. Suggest providing designations for each hatch and a clear specification of what is intended to be used as a floor hatch.</p> <p>C) Should provide a dimensional location for these access hatches.</p> <p>D) S2.11 hasn't shown any of these access hatch locations. Will some type of additional Structural support be required around newly cut openings?</p> <p>E) At new hatch areas, consider adding a metal ladder access down into tunnel</p> | <p>A) Done. MH updated dimensioning plan.</p> <p>B) Done. MH updated spec.</p> <p>C) Done. MH updated dimensioning plan.</p> <p>D) KPFF added support detail.</p> <p>E) Not needed.</p> | 12/5/18 |
| A2.11, FS1.01 | C39: | A2.11 shows a tunnel access hatch in the kitchen storage room 112A. FS1.01 shows shelving within this room that will effectively block the future use of access hatch. | Shelving and work counter now provide for access to the hatch from partially below the counter. | 11/15/18 |

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| M2.10, Electrical | C40: | Does the gas piping feeding the kitchen need a emergency shutoff solenoid? If yes, need to show location, provide specification, and coordinate location and requirements with Electrical. | Solenoid valve provided per mech. Metrix coordinate with Hargis for electrical requirements. | 11/15/18 |
| M2.11, A5.12 | C41: | The art room sink is spec'd 8" deep with a Zurn solids interceptor, which takes 21" from floor to pull the trash basket. 9/A5.12 calls for the sink rim to be 24" AFF, not leaving enough room to pull the basket. | Unions provided on solids interceptor. Solids interceptor can be located adjacent to sink (preferred) or underneath but requires to be removed to service. | 12/5/18 |
| M2.14, A2.33 | C42: | Detail 1, Flag note 1 - Any piping in the electrical room will need to either have a ceiling under it or a water tight drain pan. Water proofing around the FD above will be critical. None of this information is presently shown. | Coordinated with mechanical to route to the nearest wall. No electrical equipment located underneath piping. | 11/15/18 |
| M4.11, A2.11, A8.00, S2.11 | C43: | The HWS/R piping in the library along the north and west walls will be exposed due to no ceiling in this area and new columns shown on S2.11 in the framed wall | Library routing has been revised. | 11/15/18 |
| M9.02/4, FS1.02 | C44: | A solenoid is shown going to the disposer. FS1.02 does not schedule a garbage disposer | No disposer. Detail has been deleted. | 11/15/18 |
| M9.02/4, FS1.02 | C45: | Shows plumbing connections to a garbage disposer and booster heater. FS1.02 does not schedule either of these items | No booster heater, no disposer. Detail has been deleted. | 11/15/18 |

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|--|----------|---|--|-----------------|
| 230010-6, Civil, Architectural, Structural, Electrical | C46: | Section 230010 Part 1.12 identifies mockups required for DOAS unit and convector. How and where is this accomplished? How far do you take this? Piping, insulation, electrical, fire protection, roof curb? Scope of work is very vague. Needs updated on all drawings/specifications depending on what requirements are expected. | Design team thinks scope is clear: Intent is to mock up the piping for a typical convectors, piping and controls for the DOAS units. | 11/15/18 |
| Mechanical, Architectural, E4.11 through E4.16, | C47: | No specification or schedule provided for Ceiling Fans (paddle type) as shown on Reflected Ceiling Plans. A) When fan types/sizes have been selected need to coordinate power information with Electrical. B) Ceiling Fans CF-01 & CF-02 are shown on the drawings and scheduled on sheet E0.07. The Ceiling fans are shown twice on E0.07. First, CF-01 & CF-02 are shown in the Mechanical Equipment Schedule and then CF-01 is shown, and specified, in the Ceiling Fan Schedule. CF-02 is not shown in this schedule, hence no specification for these fans. We were unable to locate these fans on the Mechanical floor plans. | A) Ceiling fans no longer part of mechanical scope and falls under electrical. Ceiling fans provided by Div 26. B) Types and sized to be listed on schedule on Electrical drawings. No specifications will be provided. | 11/15/18 |
| Spec 81900, M0.05, A2.73 | C48: | M0.05 Diffuser, Register and Grille Schedule identifies Type L, Louvers. A) Suggest removing louvers from schedule except sizes. Louvers are provided “furnished & installed” by Division 8, Section 081900. B) Remove notes #9,10 & 12. Keep note #11 & size/coordinate/update all louvers on plans with louver types on A2.73. | Louvers indicated on mechanical sheets to assist with plan review. Notes are provided only to indicate that it is provided by architect. Note 12 & 10 to be removed as mounting by others. | 11/15/18 |
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| Reviewers: _____ | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | |
| | | | Design Development | |
| | | | Construction Documents 95 % | X |
| Drawing or Spec Ref. | Item No. | Coordination Comments | A & E Response | Resolution Date |
| M3.11 A5.01 A5.09 A5.11 A5.14 | C49: | <p>M3.11 sheet note #4 states to see Architectural Interior Elevations for the exact locations of thermostats, sensors & sidewall grilles. Thermostats and CO2 sensors are not shown on any Interior Elevation sheets and the following sidewall grilles are either not shown or identified with exact locations, sizes or elevations.</p> <ul style="list-style-type: none"> a) Hallway 100A, (2) type S / 12x12 / 300.—A5.01 / 2 & 4 b) Room 119, B / 32x66 / 500. & R / 16x10 / 500. ---A5.11 / 6 & 7 c) Room 121, B / 32x66 / 500. & R / 16x10 / 500. ---A5.11 / 10. d) Room 135, B / 32x66 / 500. & R / 16x10 / 500. ---A5.14 / 4. e) Room 136, B / 32x66 / 500. & R / 16x10 / 500. ---A5.14 / 6. f) Room 137, B / 32x66 / 500. & R / 16x10 / 500. ---A5.14 / 12. g) Room 138, B / 32x66 / 500. & R / 16x10 / 500. ---A5.14 / 14. h) Room 115, R / 30x18 transfer grille. ---A5.09 / 10. i) Room 115, (2) (E) / 48x20 / 1370. --- A5.09 / 12. | MH updated interior elevations. | 11/15/18 |
| FS1.01, E7.03, E6.11, Architectural | C50: | <p>The Alternates section was not included in the Project Manual so exact scope of project Alternates is not clear.</p> <ul style="list-style-type: none"> A) FS1.01 references Add alternates for items 18, 19, 20, and 23. If these items are indeed alternates, will the associated Electrical feeds to these items remain in base bid or be part of the Alternate? Needs updated. B) Electrical should provide a detail for the floor stub concept for clarity. C) E6.11 music room 131 notes “Performance Sound as Alternate”. Not sure what is base bid or alternate regarding this. | <p>A) Power is base bid. Hargis confirmed it has been shown this way.</p> <p>B) Identified in specifications.</p> <p>C) Note has been deleted.</p> | 11/15/18 |
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| | | Design Development | <input type="checkbox"/> |
| | | Construction Documents 95 % | <input checked="" type="checkbox"/> |

| Drawing or Spec Ref. | Item No. | Coordination Comments | A & E Response | Resolution Date |
|--|----------|--|---------------------------------|-----------------|
| M3.12 A5.04 A5.09 A5.10 A5.20 A5.21 A5.22 A5.23 | C51: | <p>M3.12 sheet note #4 states to see Architectural Interior Elevations for the exact locations of thermostats, sensors & sidewall grilles. Thermostats and CO2 sensors are not shown on any Interior Elevation sheets and the following sidewall grilles are either not shown or identified with exact locations, sizes or elevations.</p> <ul style="list-style-type: none"> a) Hallway 200A, (2) S / 12x12 / 300. ---A5.04 / 2 & 4. b) Room 201, B / 32x66 / 500. & R / 16x10 / 500. ---A5.20 / 4. c) Room 202, B / 32x66 / 500. & R / 16x10 / 500. ---A5.20 / 6. d) Room 205, B / 32x66 / 500. & R / 16x10 / 500. ---A5.20 / 20. e) Room 211, B / 32x66 / 500. & R / 16x10 / 500. ---A5.22 / 4. f) Room 212, B / 32x66 / 500. & R / 16x10 / 500. ---A5.21 / 10. g) Room 215, B / 32x66 / 500. & R / 16x10 / 500. ---A5.22 / 12. h) Room 216, B / 32x66 / 500. & R / 16x10 / 500. ---A5.22 / 14. i) Room 217, B / 32x66 / 500. & R / 16x10 / 500. ---A5.23 / 4. j) Room 218, B / 32x66 / 500. & R / 16x10 / 500. ---A5.23 / 6. k) Room 219, B / 32x66 / 500. & R / 16x10 / 500. ---A5.23 / 12. l) Room 220, B / 32x66 / 500. & R / 16x10 / 500. ---A5.23 / 14. m) Room 206, R / 16x10 / 500. ---A5.21 / 2. n) Room 214, S / 10x10 / 230. & R / 10x10 / 230. ---A5.22 / 6 & 8. o) Room 115, (2) S / 30x24 / 1370. ---A5.09 / 12. p) Room 116, (5) O / 6" rnd. / 200. ---A5.10 / 15. | MH updated interior elevations. | 11/15/18 |

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| | | | Construction Documents 95 % | X |
| Drawing or Spec Ref. | Item No. | Coordination Comments | A & E Response | Resolution Date |
| M3.14 / 2 & 3, A5.16, A5.17, A5.24, A5.25 | C52: | M3.14 sheet note #4 states to see Architectural Interior Elevations for the exact locations of thermostats, sensors & sidewall grilles. Thermostats and CO2 sensors are not shown on any Interior Elevation sheets and the following sidewall grilles are either not shown or identified with exact locations, sizes or elevations. <ul style="list-style-type: none"> a) Classroom 145, B / 32x66 / 500. --- A5.16 / 1. b) Classroom 146, B / 32x66 / 500. --- A5.16 / 5. c) Classroom 148, B / 32x66 / 500. --- A5.17 / 1. d) Classroom 149, B / 32x66 / 500. --- A5.17 / 5. e) Classroom 223, B / 32x66 / 500. --- A5.24 / 1. f) Classroom 224, B / 32x66 / 500. --- A5.24 / 5. g) Classroom 226, B / 32x66 / 500. --- A5.25 / 1. h) Classroom 227, B / 32x66 / 500. --- A5.25 / 5. | MH updated interior elevations. | 11/15/18 |
| M3.15 / 1 & 2 A5.18 | C53: | M3.15 sheet note #4 states to see Architectural Interior Elevations for the exact locations of thermostats, sensors & sidewall grilles. Thermostats and CO2 sensors are not shown on any Interior Elevation sheets and the following sidewall grilles are either not shown or identified with exact locations, sizes or elevations. <ul style="list-style-type: none"> a) H / 36x60 / 4350 & H / 54x30 / 4500. ---A5.18 / 1. Also show CO2 sensor on interior elevation. | MH updated interior elevations. | 11/15/18 |
| M3.15 / 1, A2.71, A5.19 | C54: | M3.15 shows UH-06 on south side of door 150-2 within the frame. A2.71 notes door 150-2 with frame type RE15 with a side relite. Assume UH-06 installs above door 150-2. Elevation 12/A5.17 should dimensionally locate this UH. | UH-06 relocated out of relite. It is now sitting above the door to the restroom. Refer to updated int elev. | 11/15/18 |

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| Geotechnical Report, Structural | C55: | The Geotechnical Report page 15 under site preparation notes that existing fill should be removed from below areas of foundations and alternatively, rammed aggregate piers (RAP's). We have not seen any RAP design at otherwise shallow foundation locations (west side classroom building and gym). The west side of classroom appears to have over 5' of existing fill where the gym has varied amounts (worst cast +/- 4' at EB-3 and 16). If RAP's are not intended to be used, how should be note in the Geotechnical Report be handled? Overexcavate to native or other? Contractor is not responsible for interpreting Geotechnical Report so suggest identifying what the intent is at shallow foundations regarding existing fill removal. If over-excavation is the intent, suggest quantifying a general amount of over-excavation for base bid purposes and have a Unit Cost for additional amounts if required by Geotechnical Engineer. | Intent is overexcavation to native. MH added line on the Gym exterior elevations representing approximate line of native soils horizon per Geotech Report (sim to the line that is already shown at classroom addtn). | 11/15/18 |
| Architectural, Structural | C56: | The new concrete shear wall design being installed in the existing building doesn't mention any shotcrete and a shotcrete specification has not been provided. A) This method of installation should be provided as at least a contractor option and will require a specification. B) If the shotcrete method of installation is not allowed, additional demolition of floor areas will be required to provide access to pour concrete. | Notes and specification added to address shotcrete option. (Lydig has indicated intent to utilize shotcrete.) | 11/15/18 |
| A2.12, A2.22, A3.02, C2.00 | C57: | A2.12, A2.22, and elevation 6/A3.02 don't show to provide a downspout or its location at covered walkway. C2.00 shows to provide one DS connection only. | MH updated enlarged site plan. LPD matches arch locations. | 11/15/18 |

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| Reviewers: _____ | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | <input type="checkbox"/> |
| | | | Design Development | <input type="checkbox"/> |
| | | | Construction Documents 95 % | <input checked="" type="checkbox"/> |
| Drawing or Spec Ref. | Item No. | Coordination Comments | A & E Response | Resolution Date |
| A2.15a, S2.15 | C58: | <p>S2.15 foundation plan and A2.15a need to coordinate layout of gym storage and PE office wall and steel columns.</p> <p>A) S2.15 places the west face of 8" CMU wall at 12'-0 7/16" from grid Bg. A2.15a places west face of CMU at 12'-0" from grid Bg.</p> <p>B) S2.15 places the centerline of the GC-1 steel columns at 11'-8 1/2" west of grid Bg within the 8" CMU wall. A2.15a places these columns at 11'-0" west of grid Bg outside of the 8" CMU wall.</p> <p>C) If the GC-1 HSS 6x6x1/2" columns are to be placed within the 8" CMU wall, Structural should provide detail. Would reinforcement be welded to HSS column?</p> <p>D) S2.15 the dimensions locating the GC-1 columns north to south doesn't coordinate with the layout shown on A2.15a.</p> | Refer to updated details at CMU partition at gym. Dimensions are shown on architectural plans. | 11/15/18 |
| A2.34, S2.22 | C59: | S2.22 gym roof framing plan should provide centerline for all LH joists that coordinates with layout on A2.34. | Dimensions are shown on architectural plans. | 11/15/18 |
| A2.22, S2.22, Spec 86213 | C60: | S2.22 and A2.22 need to provide skylight opening sizes. Section 86213 doesn't provide this information. | Dimensions are shown on architectural plans. | 12/5/18 |

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| | | | Design Development | <input type="checkbox"/> |
| | | | Construction Documents 95 % | <input checked="" type="checkbox"/> |
| Drawing or Spec Ref. | Item No. | Coordination Comments | A & E Response | Resolution Date |
| S3.20, Mechanical, Electrical | C61: | S3.20 precast concrete wall elevation should identify and show: A) Mechanical pipe and Electrical conduit that need to be installed within panels. B) Window systems at gym details 6, 12, 18/A6.11 indicate a wood backing for window attachment. Should this be installed as panels are fabricated? | A) Done. Devices shown on interior elevations. KPFF added note to coordinate with MEP. LYDIG – showing devices on interior elevations is good. Precast supplier will also provide detailed panel drawings, with MEP coordinated on drawings. Window blocking should be able to be poured in place with precast panel. | 12/5/18 |
| A3.04, M3.15, S3.20 | C62: | Elevation 1/A3.04 shows what appears to be a small louver near grid Bg but doesn't reference a designation. M3.15 doesn't show a louver at this location and elevation 1/S3.20 doesn't show this either. What is this and is it needed? | Deleted louver. This louver is not needed. | 11/15/18 |
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| | | Design Development | <input type="checkbox"/> |
| | | Construction Documents 95 % | <input checked="" type="checkbox"/> |

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|--|----------|--|--|-----------------|
| A2.31, A2.32, A2.33, E2.11, E2.12, E2.13 | C63: | <p>The following comments identify discrepancies between the Architectural RCP drawings and Electrical lighting drawings regarding quantity, types, layout, locations of various light fixtures.</p> <p>A) A2.31 corridor side of room 135 at relite RE9 shows a light fixture in soffit. E2.11 doesn't identify a fixture at this location.</p> <p>B) E2.11 shows an S1 fixture at southeast side of stair S01 in a wall cavity. A2.31 doesn't show this as a storage space.</p> <p>C) E2.11 in rooms 101, 106, 107, 108, 109, 109A, 105, 104, and 103 show a completely different type and layout of lighting than A2.31.</p> <p>D) E2.11 at stage lift area shows 2 S1 fixtures. A2.31 shows a pendant type.</p> <p>E) E2.12 at stair S01 shows layout of D1Dx fixtures on east side different than A2.32.</p> <p>F) E2.12 in room 214 shows a fixture within the skylight area.</p> <p>G) A2.33 at level 1 in hall 100J shows (9) fixtures. E2.14 shows (10) type G3 fixtures in different locations.</p> <p>H) E2.14 basement plan shows two fixtures south of B03. A2.33 doesn't show these.</p> | <p>A) Hargis added to E2.11.</p> <p>B) Hargis deleted from E2.11.</p> <p>C) Hargis revised E2.11.</p> <p>D) MH updated to match elec.</p> <p>E) Hargis updated to match arch.</p> <p>F) Hargis updated to match revised A2.32.</p> <p>G) Grid changed to 2x4 and fixtures coordinated.</p> <p>H) MH updated to match elec.</p> | 12/5/18 |
| A1.24, S2.21 | C64: | A1.24 shows selective demolition of existing roof grids 4e-5e. Dimensions should be provided for areas of roof that demolish and replace. Quantity of estimates should not be per scale and locations should coordinate with S2.21. | Roof demo plan indicates to coordinate exact locations with structural work. | 12/5/18 |
| A1.24, S2.21 | C65: | A1.24 west end of roof shows to demolish approximately 11'-6" of existing roof. S2.21 shows to provide approximately 23'-0" long Simpson CMST 14 straps that will require existing roof demolition for strap installation. Structural should also provide dimensions of CMST 14 strap lengths. | MH added these strips of roof demo/patch. | 11/15/18 |

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| A1.24, S2.21 | C66: | A1.24 grid Ce per scale shows to demolish approximately 12’-0” of existing roof. S2.21 requires +20’ of demolition for existing sheathing panel edge nailing. | MH updated areas to match struct. | 11/15/18 |
| S2.10, S2.11a | C67: | S2.10 and S2.11a library mezzanine deck support columns centerline dimensions don’t coordinate. | MH shows dimensions on A2.11a from F.O. brick for clarity. | 12/5/18 |
| A1.24, S2.21 | C68: | S2.21 shows to provide 2x12x4’-0” flat on roof sheathing at fan locations. A1.24 has not shown existing roof demolition for these fan support members. | MH updated roof plan. | 11/15/18 |
| A2.21, Structural, Mechanical | C69: | A2.21 roof plan at low roof with new RD and ORD drains need additional information. A) Should relocate drains to locations that allow the drains to be installed clearing concrete shear walls, existing walls below and collector beams above. Some roof slopes may need to be revised. B) Drain sump detail should be provided. Where drain sump are adjacent to structural collector beams, this sump detail needs to show overflow scupper through exterior wall. C) Should an overflow scupper be located over the entrance to kitchen as shown? | A) RWL and ORWLs are coordinated to avoid shear walls and collector beams. B) Roof drain sump to be installed per mfr based on roof type. C) Yes, this is not a primary entrance. | 12/5/18 |
| Architectural, S2.21, S7.04 | C70: | S2.21 grid Be and Ce references collector beam connection detail 11/S7.04. Architectural should provide roofing and flashing details at these locations. | MH updated roof detail, refer to 5/A6.00. | 11/15/18 |

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| Architectural, S2.21, Mechanical | C71: | The roof drain at grid 4e/Be needs drain sump detail at wall showing CB connection angle. | Roof drain sump to be installed per manufacturer based on roof type. | 11/15/18 |
| S2.21, S7.04, Architectural | C72: | S2.21 grid Ce references section 7/S7.04. The HSS 4x4 and 4x4 angle as detailed will extend 10'-5" from interior face of existing wall. The existing window in this wall is 7'-6" from interior face of existing wall to edge of window per building as-build plans. | KPFF revised length to avoid window. | 11/15/18 |
| S7.04, S2.21, Architectural | C73: | Detail 1/S7.04 the 4x4x5/16" angle installed as shown requires the existing wall to have a common face. A) Grid Be the existing walls are shown offset. B) Grid Ce an existing concrete column extends up from foundation level to roof parapet. This concrete column extends out 1'-0" north of grid 4e. Existing concrete column demolition will be required to install the 4x4x5/16 angle as shown on detail 11. The existing walls are also offset. | Walls do align along gridline. Details were reviewed. | 11/15/18 |
| A1.13, Structural | C74: | A1.13 concrete site wall, Structural needs to provide detail showing site wall reinforcement. | KPFF added typical detail. | 11/15/18 |
| C200, S4.20 | C75: | C200 needs to provide IE elevation of foundation drain around classroom addition. Bottom of footing elevations vary. Structural classroom wall section S4.20 show Civil to provide wall weep holes with filter fabric and elevated foundation drains. | KPFF updated sheet S4.20. | 12/5/18 |
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| Spec 102813, Electrical | C76: | Section 102813-1.1.A.3 identifies a hand dryer toilet accessory. Part 2 of this section doesn't provide a specification for these, enlarged plans and elevations don't show locations for these and Electrical hasn't provided power for these. It appears this is a typo and needs deleted. If not, information needs updated and coordinated. | Done. MH deleted from spec (No hand dryers). | 11/15/18 |
| MD1.01, M7.10, Civil, Electrical | C77: | <p>MD1.01 Mechanical demolition plan or M7.10 1930 building fire sprinkler should provide direction as to the extent of existing fire sprinkler systems demolition.</p> <p>A) M7.10 General note 13 notes Fire Department Connection and Post Indicator Valve by Civil. Civil utility plans don't show this scope of work.</p> <p>B) M7.10 flag note 7 indicates that wall mounted FDC would be provided by Fire systems contractor.</p> <p>C) Spec 211300 fire suppression provides a specification for FDC but doesn't address Post Indicator Valve.</p> <p>D) Section 211300 doesn't provide a specification for dry systems compressor and Electrical needs to provide power to this compressor.</p> <p>E) Electrical has not shown connections to fire systems alarm devices.</p> | <p>MD1.01 updated to clarify extent of fire sprinkler demo. All fire sprinkler to be demo'd back to flange where riser connects to domestic water.</p> <p>A) Revised general note to omit fire department connection verbiage. PIV is not required.</p> <p>B) Flag note 7 is correct.</p> <p>C) PIV not required</p> <p>D) Section 211300 does discuss Air compressor and dry systems. (2.7.D.10 – Air Compressor)</p> <p>E) Coordinated with electrical.</p> | 11/15/18 |

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| Spec 77233, A2.21, A2.22, S2.21, S2.22 | C78: | <p>Section 77233-2.1.E identifies a 30x36 roof hatch.</p> <p>A) A2.21 shows a roof hatch near grid 4e.5/AAe. S2.21 doesn't show an opening in the roof deck for this hatch. Will additional support be required around opening?</p> <p>B) A2.21 and A2.22 at all new roof hatches notes a 42" guard. Need to provide an enlarged detail and elevation of guard with a dimensional configuration and attachment to roof deck. Intent is not clear.</p> <p>C) A2.21 doesn't show a 42" guard at the existing roof access hatch. Will one be required here as well? If so, will need to note existing roof demolition and patching back at guard.</p> | <p>MH updated spec to size per roof plan.</p> <p>A) KPFF updated plan.</p> <p>B) Guard attaches to flange of specified roof hatch, not to roof deck.</p> <p>C) Not required and existing condition to remain.</p> | 12/5/18. |
| Spec 30013, Structural | C79: | <p>After reviewing these drawings, it appears there is an anticipated water issue at the deeper foundation areas. Section 30013 and Structural details don't identify any water stop products in foundation wall pour stops. Should this product be added to foundation details and specifications?</p> | <p>Water stops will be provided.</p> <p>MH updated spec to include Volclay product.</p> | 11/15/18 |
| Spec 24119 | C80: | <p>Section 24119-3.3.I notes to "carefully remove, protect, and turn over as directed, materials and components claimed by the Owner for salvage. Prior to demolition contact the Owner to determine which items will be claimed". Highly recommend to provide a salvage schedule at the end of this section that identifies all intended Owner salvage items for clarity.</p> | <p>SPS will verify if there are any such items.</p> | 1/2/2019 |
| A1.00, phasing | C81: | <p>A1.00 site demolition plan at trees 828, 830, and 831 will require pruning to clear new classroom building and craft staging for exterior wall installation. Suggest this scope of work be completed prior to end of 2018-19 school year to not interfere with Contractor.</p> | <p>LYDIG – project team working to coordinate this work this spring.</p> | 1/2/2019 |

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| Reviewers: _____ | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | <input type="checkbox"/> |
| | | | Design Development | <input type="checkbox"/> |
| | | | Construction Documents 95 % | <input checked="" type="checkbox"/> |
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| A1.00, phasing | C82: | A1.00 site demolition, the trees parallel to existing school building east and north walls will require pruning prior to masonry and window restoration work. Suggest this scope of work be completed prior to end of 2018-19 school year. This would allow tree protection fence installation around existing trees to be installed and approved outside of craft staging spaces required for masonry window restoration (not as presently shown). Early tree pruning, and tree protection will be beneficial for starting building work immediately rather than waiting on or coordinating this work with other activity. | LYDIG – team working to coordinate this work this spring. | 1/2/2019 |
| A1.00, Civil, Landscape | C83: | A1.00 site demolition plan note at tree 828 reads tree protection per Civil, Landscape and Arborist. Arborist report recommendations for tree 828 to reduce risk of tree failure is to add Guy cables. The tree report indicates that it is advisable to leave tree 828 Guy cables in place after project completion. This scope of work has not been designed or shown to be provided by Civil or Landscape. | LYDIG – tree 828 cabling work was completed during the summer of 2017. | 1/2/2019 |
| A1.01 | C84: | A1.01 the existing play area adjacent to the west end of the new classroom building is shown to be protected. The protection requirement for this existing play area is not a reasonable request. Due to the protection and location of tree 828, the Contractor will need this play area as access for excavation equipment, steel hoisting equipment, staging, etc. This play area will need to be removed and replaced. | The plan to maintain it has been discussed with SPS/Lydig. | 11/15/18 |

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| C100, phasing | C85: | C100 needs to provide the approved route of contractor access to the classroom addition as required for basement excavation, structure hoisting and materials delivery. The anticipated route would be to access at west end of the existing parking area, cross the asphalt play area and stage within the existing play area west of the new classroom building. Suggest also showing wheel wash area prior to existing parking lot. | Lydig responsibility. Refer to contractor's site management plan. | 11/15/18 |
| Site General | C86: | It appears the classroom building excavation contractor has the option of leveling the classroom building excavation down to -8'-0" below FF 221.64 without putting pressure on adjacent building or neighboring retaining wall before needing to start sloped excavations to basement. The critical issue is the proximity of tree 828 to the basement excavation. We don't see how the excavation can be completed without some type of soil retaining system south of tree 828 and roots of tree 828 will be affected and removed by the excavation and location of new foundations. | Provisions are being made by Lydig for soil nailing. Design team can indicate as such on our drawings until temporary shoring design is provided. | 12/5/18 |
| A2.11a, A2.74, M2.11 | C87: | Section 3/A4.04 at north wall of library references exterior wall type W2. A4.00 doesn't identify the metal furring stud size, so the default type 1 partition would be assumed per A2.74 plan notes. Wall type 1 is a 3 1/2" stud. A) M2.11 at north wall library shows a 3" RWL down. A2.11 shows and notes this piping within furred wall. This piping with insulation will be 5" OD and will not fit within framing. B) M2.11 shows these 3" RWL at north wall room 117 and vestibule 113. These pipes will not fit within the default wall furring. Updated wall types are needed. | It is acceptable to encroach 1-1/2" into the rigid insulation in these limited areas. | 11/15/18 |
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| A2.11, A5.03, A5.05, A5.07, A5.08, A5.10, A5.11, A5.13, M4.11, M4.14 | C88: | <p>The following comments identify discrepancies with locations or sizes of Finned tube convection systems and Architectural elevations.</p> <p>A) M4.11 in room 116 shows FT-02 at SW wall. Elevation 3/A5.10 doesn't show this unit.</p> <p>B) M4.11 in room 118A shows FT-02 on south wall. Elevation 11/A5.10 doesn't show this unit.</p> <p>C) Elevations 22 and 23/A5.08 shows a convector below the marker board. M4.11 doesn't show a convector unit at this location.</p> <p>D) M4.11 in room 105 shows FT-02 on the south wall. Elevation 18/A5.07 doesn't show this unit.</p> <p>E) M4.11 in room 102 shows FT-02 at the northwest corner of room. Elevation 11/A5.07 doesn't show this unit.</p> <p>F) M4.11 in room 133 shows FT-02 on the north wall. Elevation 16/A5.13 shows this unit on the west wall.</p> <p>G) M4.11 in room 121 shows FT-02 along the entire length of the west wall. Elevation 12/A5.11 only shows it on part of the wall.</p> <p>H) M4.11 in room 132 shows FT-02 on west wall. Elevation 12/A5.13 doesn't show this unit and this location needs reviewed as it doesn't appear there is enough room for the Mechanical unit. A2.11a doesn't provide dimensions locating chase wall framing in this room and the available space scales out as +- 5'-6" and M4.11 calls out a 6'-0" convector.</p> <p>I) M4.14 at levels 1 and 2 in hallways show FT-03 at angled exterior north wall. Elevations 1/A5.03, 1/A5.05, and section 2/A4.07 show some type of bench system below windows. None of this is detailed to understand the interaction of bench with FT units. Needs updated.</p> | <p>A) MH updated int elev.</p> <p>B) MH updated int elev.</p> <p>C) MH deleted from int elev.</p> <p>D) MH updated int elev.</p> <p>E) MH updated int elev.</p> <p>F) MH updated int elev.</p> <p>G) MH updated int elev.</p> <p>H) Convector was shortened. MH updated int elev.</p> <p>I) Refer to updated details.</p> | 11/15/18 |
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| M0.04, M3.14, Architectural, Phasing | C89: | <p>M0.04 on DOAS air handling schedule identifies the size of DOAS-02 as 282x150x126 with a weight of 14900 lbs.</p> <p>A) Suggest providing a detail of this unit that will allow the contractor option of sectionalizing this unit to mobilize and install. This unit will need to arrive jobsite relatively early to be placed in basement of classroom wing and will probably require some floor beams to be left out to install it in sections. Current specification language for DOAS unit doesn't clearly give the option of sectionalizing so suggest adding language and providing a detail to show concept. This is also probably the largest pick for hoisting equipment to place into classroom building and reducing its size will reduce capacity of crane needed.</p> <p>B) Suggest considering an early submittal for both basement units to ensure plenty of time for fabrication/delivery with current busy construction climate.</p> | <p>A) DOAS & AHU details are provided. Plans will be reviewed with contractor input.</p> <p>LYDIG – Intent is to release mechanical equipment submittals and procurement as soon as MCCM MASC is negotiated. Will review sectionalizing option with MCCM and EOR during shop drawing process.</p> | 11/15/18 |
| M0.04, M3.12, Architectural, Structural | C90: | <p>M3.12 shows DOAS -03 and 04 above library area. Suggest having a contractor option to sectionalize these units to facilitate mobilization into building and lifting onto platform. Another option is to consider partial demolition of existing roof and decking allowing a top down installation of these units. Either way, they probably would want to be sectionalized to reduce weight and size of opening needed to mobilize into building. These units should be detailed as well.</p> | <p>DOAS & AHU details are provided. Plans will be reviewed with contractor input.</p> <p>LYDIG – Intent is to release mechanical equipment submittals and procurement as soon as MCCM MASC is negotiated. Will review sectionalizing option with MCCM and EOR during shop drawing process.</p> | 11/15/18 |
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| M3.13, Architectural, Structural | C91: | M3.13 shows new attic ductwork 44x26 installed north/south. Without partially demolishing the existing roof, the only way to mobilize these in place will be through the new openings to the south and ducts will have to be pulled in on some type of roller system. The scope of work involved with duct and insulation will require additional crawl boards parallel to the new duct installation. This should be shown. | Plans have been reviewed with GCCM and MCCM input. | 11/15/18 |
| MD1.01, M3.12, Architectural, Structural | C92: | MD1.01 shows existing mechanical systems to be removed, but the print is so small, and the information is shaded, it is difficult to really understand where items are. M3.12 shows new vertical ducts through the existing level 2 floor slab down to first floor. Some of these ducts will undoubtedly utilize existing openings, but will ALL locations of vertical drops be in existing openings and will existing openings be adequate size for new ducts? S2.12 doesn't show any existing or new floor openings in this slab. Not sure if as-built information is available for these openings but suggest at least overlaying existing openings vs. new duct drops to determine if new demolition of floor slab will be required and provide details for any restructuring of existing level 2 floor. | KPFF added structural details for openings through Level 2 floor slab where new openings are intended. MH and Metrix have tracked sized of openings and ducts based on existing drawings but the existing openings are in concealed spaces so existing sizes can't be verified until selective demo occurs. GC to coordinate the openings following selective demo. Floor plans and demo plans graphically distinguish between new and old openings and new openings are identified with flag notes. | 12/5/18 |
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| A1.00, C100 | C1: | A1.00 tree #829 is shown to be removed. C-100 shows tree to remain. | Removal of tree #829 has been coordinated with the Architect and Landscape Architect so that the plans are consistent. | 11/15/18 |
| A1.01, L1.01 | C2: | A1.01 or L1.01 needs to provide court layout plan for relocated basketball hoops and identify and provide layout for court south of the basketball court. | Court layout provided on Site Plan A1.01. | 11/15/18 |
| A1.01 | C3: | A1.01 shows a 20' vehicle access gate west of gym. Should Civil show to provide flush curb and driveway ramp at this location? Could use for maintenance access. | This would be additional work outside funded scope of work. | 11/15/18 |
| C200, C202 | C4: | C2.00 shows the force main between CB7 and CB4 to be 1 ½". C202 at SD#7 duplex pump structure shows to provide 2" FM. | C200 updated to show the force main as 2". | 11/15/18 |
| C200 | C5: | C200 shows a 4" overflow line between Bioretention area 2 and 1. Does this line connect to the 4" perf pipe in East end at Bio area 2? | Yes, this pipe hydraulically connects the two bioretention areas. A note has been added to the plan to clarify. | 11/15/18 |
| C200, C202 | C6: | C200 Bioretention area 1 and 2 calls out W/45 Mil EDPM pond line. C202 Bioretention area details and notes has not shown the installation of this material | Bioretention detail on sheet C202 modified to show a liner. | 11/15/18 |
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| | | | Design Development | <input type="checkbox"/> |
| | | | Construction Documents 95 % | <input checked="" type="checkbox"/> |
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| C200, C201 | C7: | C200 at SD#4 references detail 9/C201. Detail 9 is a footing drain detail. Assume a SD structure section will be provided showing installation of the outlet trap as required at 3 storm drain catch basins. | C200 was revised to reference correct detail. Outlet traps will be called out to meet COS standard detail 267. | 11/15/18 |
| C200, Spec 129300 | C8: | The following comments apply to C200 covered play area. A) Need to provide court layout plans. B) Add basketball hoops to Section 129300 site furnishings. | A) MH updated A2.44 to show court layout plans at covered play area. B) Basketball hoops included in Section 116500. | 11/15/18 |
| L3.01, L3.02 | C9: | L3.01 point of connection assembly doesn't coordinate with backflow prevention section 2/L3.02. Examples: A) POC assembly shows isolation valve down stream of backflow preventer. Section 2 shows opposite assembly. | Point of Connection drawing and Backflow Preventer details have been coordinated. | 11/15/18 |
| Spec 328400, L3.01 | C10: | Temporary irrigation section 328400-1.2.E identifies lateral line installation. A) This doesn't coordinate with irrigation note 9/AL3.01 lateral line installation. B) Part 1.2.E references fenced in rain garden. This should read native plant garden as shown on L3.01. | Lateral lines and heads will only be above grade in the Storm Water Management Garden. Drawings and Specs were adjusted. | 11/15/18 |
| Spec 328400 | C11: | Section 328400 part 1.2.D states this is a temporary irrigation system that will be turned off after 2-year plant establishment period. Contractor has a one-time winter shut down and spring startup. Why is there a 3-year warranty? | Warranty in the specifications was changed to 2-year warranty. | 11/15/18 |

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| L3.02 | C12: | Detail 2/L3.02 backflow preventer should remove note stating backflow in building see plumbing drawings. | Note removed. | 11/15/18 |
| L3.01, Spec 328400 | C13: | L3.01 states remove control valve Rainbird PED series. Section 328400-2.2.C.2 identifies a Rainbird 2” GB-R series shown on drawings. Needs coordinated. | Believe ‘Remote’ was misread as ‘Remove’. Valve notes and specs were coordinated. | 11/15/18 |
| C200 | C14: | C200 shows to install lateral line and heads below grade in native plant garden. The existing native plant garden is basically a large and small rock garden. Excavation and rock replacement needs to be addressed by Landscape Architect regarding irrigation and planting. | Per Section 328400 1.3.A. the layout of the irrigation system noted on L3.01 is schematic. Contractor to coordinate around existing elements to remain. Intent is to not remove any boulders from the area. | 11/15/18 |
| A1.01, A1.10 | C15: | A1.01 note at CMU recycle enclosure notes 8’-H. A1.10 enlarged plan 1 notes 8’-H CMU. A1.13 recycle enclosure wall notes 6’-0” high CMU. | MH updated detail 13/A1.13. | 11/15/18 |
| Spec 129300, 129313 | C16: | Sections 129300 and 129313 both provide a specification for bicycle racks and it doesn’t appear they both are needed. Should delete one for clarity. | Deleted section 129313, bike racks specified in 129300. | 11/15/18 |
| C300, L3.01 | C17: | C300 utilities show to provide 1 ½” irrigation service. L3.01 POC assembly shows a 2” service line. | C300 was revised to show a 2” irrigation service. | 11/15/18 |
| C300, Spec 328400 | C18: | C300 utilities plan should provide irrigation vault detail, material specification and address who provides irrigation meter. Section 328400 part 1.2.H states Contractor responsible for cost required to add irrigation meter to SPU bill. Why is Contractor responsible for SPU billing? Intent is not clear. | This has been coordinated with the Landscape Architect. | 11/15/18 |

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| C301, Landscape | C19: | C301 concrete walkway section 2 suggest Civil add note stating to see Landscape plans for site concrete tool joints for clarity. | Added note to detail 2 to reference landscape plans for scoring layout. | 11/15/18 |
| C - 100 | C20: | Plan calls for potholing and video of existing side sewer along the north side of building from the kitchen area to the middle of the building where another sewer exits the building. There is another sewer that exits the building in the NW corner of the library that states to pothole, but video is not required. Is this correct? | Added note to video this section of pipe as well. | 11/15/18 |
| 333000-3 | C21: | 3.1 C/D There is no spec for the pipe lining requirements and not noted on the drawings. If the City of Seattle has the final say on what needs to be lined, how is a contractor to bid this? Do they figure that it all has to be lined or give a price per foot? | Added note to the plans to provide cured in place pipe liner to provide clarification for bidding. | 11/15/18 |
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| A2.71, A5.02, A5.12 | A1: | A2.71 door schedule for doors 129-1 and 130-1 reference door type “A” respectively. Elevations 7/A5.02, 22 and 26/A7.12 show door type “C” for both doors in all elevations. Needs updated. | Done. Updated door schedule to be Type C for both doors. | 11/15/18 |
| A2.71, A5.04 | A2: | A2.71 for doors 100AA-1 and 200AB-1 reference door type “A”. This should reference “AA” for clarity as there are a pair of doors in each location. | Done. Updated door schedule to read “AA” for both doors. | 11/15/18 |
| A2.10, A4.05 | A3: | A2.10 in boiler room NE and SW shows and notes a framed infill wall with GWB and composite board finish. A) What wall types are these? A2.74 note 2 states all partitions are type 1 UON. It doesn’t appear wall type 1 is the intent for these locations. B) What is meant by (2) layers of composite board at SW location? Cannot find a specification for this material and wall types on A2.74 don’t mention this type of material either. Intent is not clear. | This is a one-off assembly and is described in the note on A2.10. | 11/15/18 |
| A2.10, A4.04, Spec 72100 | A4: | Section 2/A4.00 is an example location in the tunnel showing the installation of rigid insulation on exterior wall. A) Assembly type W6 is referenced which notes an R-16 rigid insulation assembly makeup. Section 72100-2.1.B.5 notes the insulation thickness R-value as 1” = R-5. 3” of rigid will be R-15. Is the R-16 reference on assembly W6 a typo or is something else added to get to R-16? B) Since multiple layers of rigid insulation are needed to get the desired R-value, should the joints of multiple layers be staggered? Nothing in Section 72100 mentions this potential installation requirement. | A) MH clarified in spec. R16 is required. B) Done. Updated spec to cover staggered joints. | 11/15/18 |

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| A2.10 | A5: | A2.10 in the main tunnel N/S area extending north to grid 5e shows a bold pair of lines representing a framed wall partition per the plan legend. This appears to be a typo design element. Intent is not clear and should be removed for clarity or details and descriptions are needed to explain. | Done. This was unintended, MH corrected graphic. | 11/27/18 |
| A2.11a, A2.74 | A6: | A2.11a at new concrete shear wall locations is showing some type of wall framing/furring on face of concrete walls but doesn't reference any wall types. Per A2.74 partition note 2, this would be wall type 1. Wall type 1 doesn't really apply as one side of wall can't have GWB in these locations. Needs a new wall type added and referenced at shear walls (and other locations with framing against existing walls or chases) for clarity. | MH updated partition types. | 12/5/18 |
| A2.11a, A2.74 | A7: | A2.11a at common wall between rooms 135/137 is referencing wall type 5C. A2.74 notes wall type 5C as imbalanced regarding the layers of GWB on the wall. What side of the wall receives the two layers? Suggest adding a plan note indicating imbalanced wall sheathing installs on designation side of wall for clarity if that is the intent. | Done. Refer to updated note on dimensioning plan. Intent is to locate on non-teaching wall side. | 11/27/18 |
| A2.11a, A2.74 | A8: | A2.11a at columns 11, 10, and 7 are example locations where a dark bold line is drawn around the exposed face of column. What does the bold line represent? Nothing is mentioned on legend or A2.74 partition types. Intent is not clear and occurs in additional areas. | Done. MH clarified with keynote on the plans. | 12/5/18 |
| A2.11a, A2.74 | A9: | A2.11a in room 137 notes to install flat framing at walls adjacent to cubbies. Suggest at least detail for this or an updated wall type. Assuming the flat framing is to conserve space, but A2.74 doesn't address any 1½" track or show framing installed flat. Needs updated for clarity. | Done. MH added interior details. | 11/27/18 |

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| A3.01, A2.73, A4.01 | A10: | <p>West elevation 6/A3.01 shows window types W8 and W9 and at window head references #1C typical.</p> <p>A) A3.01 legend identifies type 1C as a prefinished metal siding assembly type C TBD. Section 3/A4.01 references same area with a “?”. Suggest deciding on what type of siding assembly is wanted and provide a specification.</p> <p>B) A window head and association with dissimilar materials details are needed for type W8 and W9 windows to clarify the intent of what is wanted at the metal siding assembly regarding configuration and overall integrity of building weather proofing.</p> <p>C) A2.74 at windows W8 and W9 show two different sill elevations. West elevation 6/A3.01 is the only elevation we can find identifying these types of windows and they show both types W8 and W9 at the same sill elevation which appears to be 2’-8” per section 3/A4.01.</p> | <p>A) Done. MH updated wall section.</p> <p>B) Done. MH added detail.</p> <p>C) Done. MH corrected elevations.</p> | 11/27/18 |
| A2.11, A2.71 | A11: | A2.71 door schedule doesn’t reference any head, jamb, and sill details for any door. Schedule needs updated with references for clarity. | Done. | 11/27/18 |
| A2.11, A2.71, A7.10, | A12: | A2.11 at room 139 is an example area where rigid insulation and furring is installed between windows and exterior door. Details 1, 8, and 14/A6.11 note to remove existing fir trim and cut for reinstallation. Suggest A1.21 at Demo note D1 add the selective removal/salvage of window trim for reinstallation as this is a large enough scope of work that should be noted beyond a general demolition note for clarity. | Done. Window details have been updated to avoid disturbing the wood existing trim. | 11/27/18 |
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| A1.21, A2.11, A2.41, A4.04, A4.00 | A13: | A1.21 in library area notes to demolish HDWD flooring to slab. A2.41 at same area shows a symbol indicating to provide plywood subfloor assembly, typical (per legend). Section 2/A4.04 through this area references floor assembly type F3. Type F3 on A4.00 doesn't mention any type of plywood subfloor assembly. Intent is not clear, details are needed. | Done. MH revised wall section to explain the new subfloor assembly over the existing patched slab. | 11/27/18 |
| A1.22, A2.12, A2.42, A4.02, A4.00 | A14: | A1.22 at new room areas 206 and 212 shows to demolish HDWD floor assembly typical. A2.42 at same rooms shows and notes floor finish over plywood subfloor assembly. Section 3/A4.02 through this area references floor assembly FE1. Type FE1 on A4.00 doesn't mention any type of plywood subfloor assembly. Intent is not clear, details are needed. | Done. MH revised wall section. | 11/27/18 |
| A2.71 | A15: | A2.71 should for clarity have a "typical" doorframe type that doesn't have a relite that shows the "typical" 2" frame configuration around the door that is "per schedule". Example; Door B04-2 is notes as only 6'-6" high and we assume the intent is for the frame to be 6'-8" high and other typical doors are 7'-0" with 7'-2" frames. | Done. MH added typical door frame type. | 11/27/18 |
| A3.01, A3.02, Spec 40100 | A16: | A3.01 and A3.02 reference designation "C" at various existing window locations noting to "patch crack at (E) cast stone sill". A) Suggest defining the size of "crack" to be patched and preparation for clarity. B) What are the cracks patched with? Section 40100 is the only masonry specification provided and it doesn't identify any patching materials for existing stone components. | A) Done. See updated masonry restoration notes and details. B) Updated the spec to cover patching material for cast stone. | 11/27/18 |
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| FS2.01 | A17: | The information on FS2.01 needs completely updated. Our copy of this sheet contains notes and performance criteria information that is not understandable/legible. | Done. Sheet replaced. | 11/27/18 |
| Spec 11000 | A18: | The following comments apply to Section 11000. A) Part 1.06.A last sentence notes access to the site is shared with the City Park and therefore must be well coordinated. Cannot see where a City Park is near this project or find a plan note indicating such access coordination. Appears to be a typo. B) Part 1.14.B the tenant will vacate premises on or before July 15, 2018. This date needs revised and should review all other dates for accuracy. | Owner edited this section 011000. | 11/27/18 |
| Spec 11100 | A19: | Section 11100-1.02. A mentions Hazmat work at Ingraham High School. Need to update project location information. | Done. | 11/27/18 |
| A3.04, A2.22 | A20: | Elevation 3/A3.04 and A2.15 at covered play roof plan show two downspouts within walls on grids Ag and Bg. Details are needed showing how to connect gutters to downspouts at these locations. | Done. Pre-caster to coordinate openings through precast panels for scuppers. | 11/27/18 |
| A6.01 | A21: | Details 16 and 10/A6.01 show that the downspout at classroom building and gym to be 6" schedule 40 steel. What is the downspout size for covered play area or covered walkway? | Done. MH updated details. | 11/27/18 |
| A1.24, A2.21, A4.03 | A22: | A1.24 selective demolition roof references flag notes D4, D5, and D6. These notes state to demo top of curb typical. A2.21 notes to infill deck. Structural or Architectural have not provided deck infill detail. Sections 2 and 3/A4.03 don't show existing curbs to remain. | Done. MH clarified roof patching detail at 1930 roof. KPFF added deck infill notes. | 12/5/18 |

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| Project Manual | A23: | The Project Manual needs: A) To provide a chain link fence specification. B) To provide a CMU specification for recycle enclosure. | MH added spec sections. | 11/27/18 |
| Spec 102813 | A24: | Section 102813 needs additional information. A) Part 2.1.B.1 identifies mirrors. What size are the mirrors? A2.61 restroom accessories legend identifies mirrors as item RA1. Are they all the same size throughout? If so, suggest noting size; if not suggest adding more designations for the different sizes and identify different sizes. B) Part 2.1.B.2 identifies grab bars. What size are these bars? 1½” or 1¼”? C) Part 1.1.A.4 identifies a fold down baby counter. Cannot find this item in Part 2 or shown/noted in any elevation | A) Done. MH identified sizes on the drawings. B) Done. MH updated spec section. C) Done. Not required by SPS Tech Std, deleted from spec. | 12/5/18 |
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| A1.21, A2.31, A4.21, Spec 116140 | A25: | <p>A1.21 at front of stage area notes to remove, protect, and store all stage curtains and hardware for reinstallation.</p> <p>A) Section 116140 – 1.1.A identifies new stage rigging, new stage curtains, light bars, rigging, tracks and accessories (at Alternate), and removal and reinstallation of existing curtains, lighting bars, rigging and tracks. A2.31 and enlarged plan 3/A4.21 both don't differentiate between what items are new and what are existing regarding stage curtains, rigging, lighting bars, etc.</p> <p>B) A bid alternate is referenced in this section that is not in the Alternates Section.</p> <p>C) Section 116140-Part 2 doesn't mention any existing materials being reused.</p> <p>D) Section 116140-3.2.A-D identifies 4 different types of track supports. What type is wanted and where?</p> <p>E) Section 116140-Part 3.3.A notes to verify that existing track and rigging installation is plumb, level and complete. This is supposed to be salvaged and reinstalled.</p> <p>The entire Section 116140 needs updated and a plan is needed showing the difference between new/existing components a the stage.</p> | <p>A) Done. Base Bid and Alternate are described in spec.</p> <p>B) Done. Alternates section updated in spec.</p> <p>C) Refer to updated spec.</p> <p>D) Refer to updated spec.</p> <p>E) Refer to updated spec.</p> | 11/27/18 |
| Spec 101100, Int. Elevations | A26: | <p>The following comments apply to Section 101100.</p> <p>A) Part 1.1.A.4 notes a schedule of white board sizes and locations at end of Section. This schedule wasn't included.</p> <p>B) A5.01 interior elevation legend identifies (4) different types of MB1-4. Section 101100-Part 2.1.A.3 identifies two types (MB1 and MB2). Needs updated regarding sizes of different types and particulars of each type.</p> | <p>A) Done. Reference deleted.</p> <p>B) Done. MH updated legend.</p> | 11/27/18 |

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| Spec 102246, A2.11, A4.21, A2.70, A2.71, A5.09, A5.10 | A27: | <p>The following comments apply to Section 102246.</p> <p>A) A2.11 and enlarged plan 5/A4.21 both show door 116-2 within the folding panel partition. Section 102246 Part 2 and 3 don't mention any man door type, size or hardware within partition. Needs updated.</p> <p>B) Part 2.1.E.1 identifies the face finish as a custom fabric wall covering. A2.70 finish schedule doesn't mention this item for this panel partition.</p> <p>C) A2.11 and 5/A4.21 don't provide a door number for the folding partition. This panel should be included on the A2.71 door schedule to identify the overall size of the partition for bidding.</p> <p>D) Part 2.1.E.2 identifies porcelain whiteboards in locations indicated. Elevations on A5.09 and A5.10 showing this partition don't show the location of any whiteboards.</p> | <p>This entire folding wall will be an alternate.</p> <p>A) Done.</p> <p>B) Refer to finish schedule for selected finish.</p> <p>C) Partition not included on door schedule. Refer to plan.</p> <p>D) Done. Whiteboards deleted from spec.</p> | 11/27/18 |
| Spec 98413, Int. Elevations | A28: | <p>The following comments apply to Section 968413.</p> <p>A) Part 2.1 identifies Tectum panel materials. Where are these installed? A5.01 doesn't identify any acoustical wall panels in the legend and A5.18 (or any other elevation) doesn't show any panel locations/layout on walls.</p> <p>B) Part 2.3.E and F identify a concealed track mounting system and 1" tackable acoustical batting. Suggest providing a detail showing panel configuration for clarity.</p> <p>C) Part 2.3.C identifies a fabric (as noted in finish legend). A2.70 doesn't mention any fabric, but for W5B acoustical wall panels it identifies perforated GWB, refer to interior elevations for layout. None of this is shown. Intent is not clear.</p> | <p>This entire spec section was deleted.</p> <p>A) Done.</p> <p>B) Done.</p> <p>C) Done.</p> | 11/27/18 |
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| Spec 81113, 98100, A2.11a, A2.71 | A29: | Section 98100-3.2.C notes to furnish acoustical insulation to hollow metal installer for installation in hollow metal frames in acoustical partitions. Section 81113-2.5 identifies acoustically rated door criteria. Where are the acoustically rated doors installed? A2.71 doesn't mention or provide any key notes for acoustical doors. A2.71 keynote 12 is for an insulated door assembly and is referenced at all exterior door locations only. A2.11a, A2.12a, A2.14a, A2.15a show locations of acoustical partitions (type 5A, B, C walls), but the partition locations referenced don't contain any doors. Intent is not clear. | Hardware groups have required components specified. No keynotes added because there are no acoustical door assemblies. | 11/27/18 |
| Section 93000, A2.70, Int. Elevations | A30: | The following comments apply to section 93000. A) A2.70 identifies F4 and W2 for floor and wall locations where tiling is installed. Currently A2.70 only identifies one size of tile for floors and walls but doesn't identify any colors. If multiple colors and some type of a pattern with the colors are intended for walls and floors, enlarged details showing pattern layout should be provided for clarity. B) Section 93000-Part 1.1.A.8 identifies cleaning and repair of existing tile installations. Where does this apply? It appears all locations with existing tile are removed in the demolition. Intent is not clear. C) Part 2.1.B identifies special shapes of tile for inside/outside corners and at base. Suggest providing interior trim details showing these conditions for clarity. D) Parts 2 and 3 don't identify any tile/grout sealer products or installation. Is this the intent? | A) Done. MH updated finish schedule. Refer to finish plans and interior elevations to identify locations for accent color fields. B) Done. Deleted from spec (N/A). C) Manufacturer's special shapes will be provided as required. D) Epoxy grout is specified for floor and does not need sealer. Cementitious grout specified at walls, spec includes sealer for wall grout. | 11/27/18 |

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| Section 92900, A2.74 | A31: | Wall type 3/A2.74 shows a shaft wall system with 1” type X GWB shaft liner panels. Section 92900-2.1 doesn’t identify the panels or framing for shaft wall systems. | Wall type calls for 1-hour proprietary system to meet GA file no. WP 1206, UL design U425. Refer to spec section 092116. | 12/5/18 |
| Section 92900, 92616, Int. Elevations | A32: | Section 92900-3.3.C identifies control joint location parameters. Section 92616-3.4.D.5 identifies control joint location parameters. The location of control joints should be shown on Interior elevations not left up to contractor interpretation. Currently no control joints are shown on elevations. | Done. CJs shown on interior elevations for Hallways and Student Dining. | 11/27/18 |
| Section 92900, A2.74 | A33: | Section 92900-2.1.B.3 identifies ¾” fire rated board. A2.74 wall types or details don’t identify this fire rated board. Where is it used? Needs updated. | Done. Deleted from spec (N/A). | 11/27/18 |
| Spec 92616, 90120, A2.70 | A34: | Section 92616 identifies an acoustical plastering assembly over GWB and concrete bases. Where does this install? Section 90120 covers repairs/maintenance to existing plaster finishes and A2.70 wall finish W6 identifies (E) plaster patching and painting. Nothing mentions a new plaster finish. Locations need updated, intent is not clear. | Done. Refer to RCPs for locations. | 11/27/18 |
| Spec 92200, A2.74, A7.01, RCP’s | A35: | Section 92200-Parts 2.1.A.4.b, 3.3.A.3, and 3.3.D all mention framing installations where framing installs below acoustical ceiling grid and attaches to ceiling grid. Cannot find any details on A2.74 or A7.01 showing this condition and RCP drawings don’t reflect this type of installation either. If this method is not used, suggest deleting from specification for clarity. | Done. Deleted from spec (N/A). | 11/27/18 |
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| Spec 92200 | A36: | Section 92200-3.5.F last sentence identifies forming openings and framing openings for recessed light fixtures. Suggest providing a detail for this condition and where this occurs, openings will need a dimensional layout. | Added note to drawings and dimensioned design intent for placement of fixtures for coordination in the field. | 11/27/18 |
| Spec 92200, 72100, A2.74, A4.00 | A37: | Section 92200-3.3.N.3 notes to install furring at rigid insulation and coordinate installation of framing to allow installation of rigid insulation as specified in another Section. A) Section 72100 identifies the rigid board insulation at walls and doesn't identify any framing for this system or refer to Section 92200 as a related Section. B) Section 92200-1.1.B doesn't identify Section 72100 as a related section. C) If furring is intended to be installed at the rigid board insulation areas on the inside face of exterior perimeter walls, suggest a wall type on A2.74 or revise the language of exterior walls on A4.00 identifying furring instead of impaling pins. | A) A4.00 clarifies that rigid board goes with clips at exterior of new wall and rigid board goes on impaling pins at interior of existing walls. MH updated spec. B) MH updated spec references. C) A4.00 is correct, interior application is on impaling pins. Wall types and partition types are separate elements, (would not update A2.74 partitions with an exterior wall). | 11/27/18 |
| Spec 89100, A2.73 | A38: | Section 89100-2.1.B and C identify a type A and type B louver. A) Type A is notes with a 3" frame depth and type B notes a 4" blade depth (assuming a 4" frame depth). A2.73 only shows two types of louvers and they are both type A. B) A2.73 should also update the notes above regarding louver types if both types are intended to be used on this project. | A) Done. MH updated spec. B) Done. Refer to A2.73. | 11/27/18 |
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| Spec 88000, A2.71, 2, 3 | A39: | <p>Section 88000-3.5.A.1-4 and 3.6 identify (4) different glazing types GL-1 through GL-4.</p> <p>A) A2.71, A2.72, and A2.73 provide a glazing type legend and all cases only identify GL-1 through GL-3. Is GL-4 still intended to be used?</p> <p>B) A2.71-A2.73 glazing types legend for GL-2 identifies a 5/16" white laminated and tempered glass. Section 88000-3.5.2 doesn't identify this glazing thickness or the white lamination.</p> <p>C) Section 88000-3.5.2.c notes U-value is as indicated on the drawings. Glazing legend on A2.71-A2.73 doesn't identify the U-value for GL-2.</p> | <p>A) Done. Refer to updated glazing type legend.</p> <p>B) Done. Refer to updated glazing type legend.</p> <p>C) Done. Refer to updated glazing type legend.</p> | 11/27/18 |
| Spec 86213 | A40: | Section 86213- unit skylights needs updated throughout. Many parts to this specification are missing information or information has yet to be decided on. | Done. MH updated spec. | 11/27/18 |
| Spec 84000, A2.72 | A41: | Section 84000-2.2.B and C needs to update the series numbers for storefront systems similar to what is noted on A2.72 | Done. MH updated spec. | 11/27/18 |
| A1.22, A2.12, A2.73, A3.01, A4.00, A6.10 | A42: | <p>A1.22 at west side of building at masonry stack notes to remove an existing louver. Elevation 6/A3.01 shows to install a new W7 window. Details on A6.10 show preformed corners SAF jambs, corners, LAF flashing and metal flashings at windows.</p> <p>A) What SAF, LAF, and metal flashings are required at window W7? No details have been provided and exterior elevation makes window W7 look like all the others. Details are needed.</p> <p>B) What are the interior trim details around this window? Interior elevations were not provided and section 2/A4.00 doesn't provide much information at window.</p> | <p>A) Done. Refer to updated details.</p> <p>B) Done. Refer to updated details.</p> | 11/27/18 |

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| Spec 81423, A2.71 | A43: | A2.71 at lower right corner shows energy code notes and identifies exterior glazed aluminum clad wood doors as 1¾” wood slab with aluminum cladding. Section 81423-2.1.D.3.a notes the thickness of front entrance door as 2¼”. Should coordinate door sizes for clarity. | Done. Entrance doors have been revised to solid wood at the direction of SPS. | 11/27/18 |
| A2.21, A2.22, Spec 75200 | A44: | Section 75200-2.6.L identifies walkway pads. A) What is the manufacturer of these pads? B) Section 75200-3.6.B notes to install walkway pads at ladders/doors and around Mechanical units. A2.22 shows pad locations only at access hatches on the roof. Are these the only locations? C) Suggest Part 1.1.A adds temporary roofing and walkway pads for clarity. D) Part 1.1.B.2 addresses rough carpentry for attachment of membrane at 4/12 roof area. Cannot find any 4/12 sloped roofs on this project. | A) Done. MH updated spec. B) Yes, this was the intent as shown. C) MH matched terminology per envelope consultants review. D) Done. Deleted from spec (N/A). | 11/27/18 |
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| Spec 74213, A6.21 | A45: | <p>The following comments apply to Section 74213.</p> <ul style="list-style-type: none"> A) Suggest Part 1.4.E identify certifications for manufacturers. B) Part 2.2.B identifies the panel exterior finish. Should there be a coating on the inside face of panels for metal protection? C) Part 3.2 describes a sequence of installation for metal wall panels however the sequence is for a vertical panel application and all panels on this project are shown as horizontal on exterior elevations. Need to completely revise this part to project conditions. D) Details 8, 9, 14, and 15/A6.21 show an 18 GA metal clip attached to sheathing/studs prior to furring strips. Section 74213-3.2 doesn't mention this clip installation. E) Detail 8/A6.21 notes the 18 GA clip at 24" o.c. This will not conform to metal stud layout. F) Suggest Section 74213 identify allowable installation tolerances for clarity. G) Will any water tests be conducted on the exterior metal panel system? Nothing is noted in Section 74213. | <p>A) Done. MH updated spec.</p> <p>B) Done. MH updated spec.</p> <p>C) Done. MH updated spec.</p> <p>D/E) These are part of the engineered system, MH updated details to indicate as such.</p> <p>F) Done. MH updated spec.</p> <p>G) None are anticipated.</p> | 11/27/18 |
| Spec 71400, A2.14, A4.00, A4.06, A4.07, A4.08 | A46: | <p>Section 71400-2.4 identifies a geotextile faced wall insulation drainage panel and Part 3.5.B describes the installation. Where is this used? Wall sections around classroom building foundation walls on A4.06, A4.07 and A4.08 all reference wall type W7. A4.00 for wall type W7 doesn't mention this product on the walls. Intent is not clear.</p> | <p>Done. MH updated spec.</p> | 11/27/18 |
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| Spec 60140 | A47: | Section 60140-3.3.G identifies wood repair and notes badly decayed areas shall be removed and repaired. Who determines the scope of this repair prior to bidding and how are prospective bidders to quantify scope of work. Nothing is shown on the drawings regarding the repair of any wood items | Done. Refer to updated window restoration notes. | 11/27/18 |
| A2.11, A507 | A48: | Elevation 15/A5.07 should show door 104-1 for clarity. | Done. | 11/27/18 |
| Interior elevations | A49: | <p>The interior elevations are missing needed detailed information and descriptions. Examples:</p> <ul style="list-style-type: none"> A) Elevations 2 and 3/A5.01 are example areas identifying a HDWD veneer alcove enclosure, all sides type and shows a wide trim around face of opening and notes a bench. What is the size and configuration of trim? What is bench composition and attachment details? What are fastener types and finish at bench? Many details and descriptions are needed to understand intent. B) What are, or are there joint details at HDWD veneer alcove? Nothing is shown or noted and occurs throughout. C) Elevation 3/A5.01 at door 136-1 and 138-1 are example locations where a wide trim piece is on one side and two sides of doorframe. What is this? Nothing is noted or detailed and condition occurs throughout hallways. D) Elevation 1/A5.02 is an example of an area showing PTD 3-color wall graphic. What is this and how far does it go? Intent is not clear, and condition occurs throughout hallways. <p>Interior elevation additional information continued next page...</p> | <ul style="list-style-type: none"> A) Done. Refer to updated details. B) Done. Refer to updated details. C) Lines shown are the edge of the alcove at the doors, not additional trim. D) Extent of wall graphic is shown graphically on interior elevations. Refer to updated detail. | 11/27/18 |

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| | | <p>Interior elevation additional information continued from previous page...</p> <p>E) Elevation 1/A5.03 notes a bench at base in hallway. Need details, descriptions and dimensions for this bench. Very unclear what is wanted, and condition occurs at level 2.</p> <p>F) Elevation 3/A5.04 shows a horizontal GWB control joint. The framing of these joints requires studs on either side of joint which would be horizontal. Typical framing is installed vertical. Need detail for condition.</p> <p>G) Elevations 6-8/A5.06 show a short stem wall at ramp. What is the finish surface of top of wall? Suggest a section through this wall to identify trims and if support posts should be used to stabilize wall.</p> <p>H) Elevations 5 and 11/A5.11 show to install 3 1/2" x 3/4" wood around MB's and on other walls in classroom. What is the detail of this trim to understand the profile configuration. Does it just have eased edges or some other type of tooling?</p> <p>I) Elevations 13-16/A5.12 identify strapping for shelving. Suggest providing a detail that shows the strapping with wood blocking behind. Wood blocking adds tremendous attachment value vs. strapping alone and it installs easier on back face of strapping vs. cutting blocks between studs. This should be a typical backing detail and provides a better long-term situation and this occurs throughout.</p> | <p>E) Done. Refer to updated details.</p> <p>F) Per Northwest Wall and Ceiling Bureau technical bulletin, horizontal framing is not required for this condition.</p> <p>G) Done. Refer to updated details.</p> <p>H) Refer to notes on interior elevs, additional information provided on wood trim pieces.</p> <p>I) Strapping specified as steel backing, minimum 4" wide, 16 gauge steel plate screwed rigidly to the studs.</p> | 11/27/18 |
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| A6.11 | A50: | <p>Detail 8/A6.11 is an example area where the existing window trim is shown installed incorrectly from existing conditions. The inside window stop doesn't extend out over the casing trim as shown. The casing trim overhangs the window jamb stop.</p> <p>A) The sill detail will not have the new sill under the window stop but will be butting stop or will have a horizontal joint between top of new sill and bottom of existing trim.</p> <p>B) Suggest that detail 8/A6.11 also show wood blocking below wood sill for support of outside edge rather than having it rest on rigid insulation.</p> | <p>A) Done. Refer to updated details.</p> <p>B) Done. Refer to updated details.</p> | 11/27/18 |
| Spec 95113, RCP's | A51: | <p>The following comment apply to Reflected Ceiling Plans.</p> <p>A) A2.31 shows ceiling fans in typical classroom areas. How are these supported? It shows the fans below the APC ceilings, but the ceilings are below the concrete structure. Section 95113 doesn't mention any support systems for ceiling fans at APC grids. Detail is needed possible for levels 1 and 2 if attachment methods are at Structure.</p> <p>B) What is the typical dimensional offset at classrooms where the APC ceiling stops prior to exterior wall?</p> <p>C) Suggest providing a detail at the APC exposed edge near exterior wall. Section 95113 identifies a 2" high edge closure. Should show this for clarity/consistency.</p> | <p>A) Ceiling fan attaches to deck above. Rod length will be coordinated to drop below the ceiling height.</p> <p>B) Done. Added dimension on RCP.</p> <p>C) Done. Deleted edge closure from spec.</p> | 12/5/18 |

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| S2.10, S3.30 | S1: | S2.10 near grids 4e/AAe.2 and AAe.8 notes to infill existing openings in foundation wall with reinforced concrete and references elevations 3 and 4/S3.30. Elevations 3 and 4/S3.30 don't size the opening or provide any reinforcement information that will be required. Intent is not clear. | Added detail 12/S4.01. | 11/15/18 |
| S2.10, S3.02, S4.01, S7.00 | S2: | S2.10 shows two areas where micropiles are installed below concrete shear walls at entry stair S01 north/south walls. Enlarged plan 16/S7.00 is referenced on both locations. Enlarged plan 7/S7.00 references section 8/S7.00 showing the dimensional location of micropile in relation to pile cap offset 3" from center of cap and center of micropile lining with face of concrete shear wall. Typical micropile detail 8/S4.01 shows to install the micropile centered on pile cap. | Detail 8/S4.01 is a schematic detail. | 11/15/18 |
| S4.00, S4.21 | S3: | Section details on S4.21 show new concrete ramp with concrete wall. A) Enlarged plan 5/S2.61 references new 5" thick concrete ramp. Details 9 and 13/S4.21 note same concrete as 3" thick. B) What are the reinforcement requirements of the SOG and associated vertical faces? Nothing is mentioned or shown. Typical concrete details on S4.00 also doesn't provide any details matching these conditions. | A) Updated notes to read 5". B) SOG reinforcement added to S2.11 and wall reinforcing included on 5/S4.21. | 11/15/18 |
| S2.11 | S4: | S2.11 at grid area Be/2e.7 notes to repair cracked concrete walls (epoxy injection). Cannot find a specification for this product or criteria regarding size and extent of cracks to repair. Intended scope is not clear. | Reference added to S2.11 | 11/15/18 |

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| S0.00, S0.10 | S5: | S0.00 should address expansion anchor and epoxy anchor systems and S0.10 should address if any of these types of anchors or locations with these anchors will require special inspections. | See S0.01 and Table 2 on S0.10. | 11/15/18 |
| S0.00 | S6: | S0.00 anchored masonry veneer reads “anchor ties shall be spaced so as to support no more than 2 square feet of wall area, but not more than 32” on center horizontally, nor more than 25” on center vertically”. The 32” x 25” spacing will exceed the 2 square feet of wall requirement. | The GC is required to meet all of the requirements. | 11/15/18 |
| S5.20 | S7: | S5.20 steel column schedule for columns CC5 and CC6 notes sizes as HSS 5x5 with base plate BP-3 noted as 7” x 14½”. Detail 7/S5.20 shows the dimensional layout of baseplate BP-3 to column. The dimensions provided in detail 7 will place the HSS 5x5 column ½” out from the edge of the 7” plate and not align with plate as shown. | The column is aligned to the edge of base plate as shown on BP-3. | 11/15/18 |
| S2.14, S3.10, S5.10 | S8: | S2.14 or S3.10 need to provide top of plinth elevation at brace frame columns as noted on detail 13/S5.10 | Dimension added to detail 13/S5.10. | 11/15/18 |
| S2.14, S5.00, S5.10 | S9: | S2.14 level 1 framing plan references concrete embed plate 3E and 4E. Detail 15/S5.00 at brace frame plinths, the upper studs on beam embed plate is shown to be placed 2” down from top of plate/beam (or 7½” down from top of slab). This top stud on embed plate will conflict with brace frame embed plate/grout shown on detail 13/S5.10. | Added detail 6/S5.10. | 11/15/18 |
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| S2.14 | S10: | S2.14 grid 5 shows the CC-5 column supported on a P-2 plinth. The W14x22 beam embed plate 3E is dimensioned 1'-3 1/2" east of centerline of column. The east edge of the E3 embed plate will extend 3" east of the east face of P-2 plinth with exposed studs. 3E beam embed at opposite (south) end of W14x22 beam is outside of the brace frame plinth. | Shifted beam east and added detail 15/S5.23. | 11/15/18 |
| S2.14 | S11: | S2.14 at seismic joint should note that north face of concrete foundation/deck is 2" north of grid 5 for all level of the classroom wing for clarity. | Dimensional control provided by Architect. | 11/15/18 |
| S2.14 | S12: | S2.14 grid B.8/4 shows a CC-7 HSS 5x5 column on a P-1 plinth. A P-1 plinth is 9" wide each side of centerline of column. A) If the P-1 plinth is installed as shown, the west face of P-1 will extend 1" past the interior face of foundation wall parallel to grid B.8. The 3E beam embed at west end of the W12x16 parallel to grid 4 will require the P-1 plinth to be blocked out a depth greater than the plinth reinforcement concrete cover. B) The same condition appears to occur at the CC-7/P-1 column/plinth near grid E/4, but dimensions to centerline of column or face of foundation were not provided to verify. Needs updated and verified all components will fit. C) The CC-7/P-1 column/plinth near grid E/4 is missing the "3E" embed designation on the east beam against plinth. | A) & B) Added similar condition to detail 14/S4.20 for these conditions. C) Added 3E mark. | 11/15/18 |
| S2.14 | S13: | S2.14 foundation plan grid 3 shows to provide (2) C-10- 8" round columns (should be designated CC-10 per schedule). Level 1 same location shows to provide (2) CC-11 – 6" round columns. Need to provide vertical connection detail for this column reduction condition. | Added detail 2/S5.20. | 11/15/18 |

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| S5.20 | S14: | S5.20 steel column schedule for column type CC-11 needs to complete the column base plate size information | Column splice per item S13; no baseplate. | 11/15/18 |
| S2.14 | S15: | S2.14 needs to provide foundation wall section at 8" concrete wall south of grid 2/D-E showing wall reinforcement and top of wall to metal deck connection. | Added detail 2/S4.20. | 11/15/18 |
| S2.22 | S16: | S2.22 roof elevation should be provided at grid 4 and 5. | The slope is already defined on plan. | 11/15/18 |
| S2.22 | S17: | S2.22 needs to provide edge of roof details. | Added detail 8/S5.02. | 11/15/18 |
| S2.22 | S18: | S2.22 needs to identify framing members in east/west direction between W14x22 beams that are not referenced as W12x16. | Beams are no longer required and will be removed. | 11/15/18 |
| S2.22 | S19: | S2.22 what is the intent of the dashed line with arrow along grid A/2-3? | Bottom flange brace per detail 7/S5.01. | 11/15/18 |
| S2.22, S5.21 | S20: | S2.22 references detail 10/S5.21. Detail 10 needs to provide vertical dimension for bent and stiffener plate | Dimension added to detail. Detail now renamed 12/S5.21. | 11/15/18 |
| S2.22 | S21: | The following comments apply to the S2.22 grid 5 framing at seismic joint. A) Need to provide method of framing at seismic joint grid E.5-F. B) Does the 6x6 angle shown on detail 5/S7.03 connect to steel columns? If so, how? | A) See Architectural details. B) Yes, see added detail 10/S7.03. | 11/15/18 |

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| S4.20 | S22: | Section 12/S4.20 at plinth shows top of plinth to be 1'-0" UNO below top of slab on grade. This will not allow the beam embed plate studs to be encased in required concrete that will allow beam and decking placement for slab installation. | Detail is shown at SOG location. | 11/15/18 |
| S4.10 | S23: | Details 9 and 10/S4.10 should show location of field welds that will be required. | Field weld flags were added to these details as appropriate. | 11/15/18 |
| S4.10 | S24: | Details 5, 6, 9, and 10/S4.10 should provide dimensioning for start/stop of precast wall panel interior insulation. | Precast panels are part of delegated design. | 11/15/18 |
| S4.10 | S25: | Detail 1/S4.10 calls out joist pocket wall breakout to be 5" D x 8" H x 8" L. The joist wall breakout at one side of gym precast wall will need to be blocked out full height from joist bearing plate to top of wall panel to allow joist installation. Will these full height blockouts require grout pour back? | Full-height blockouts are shown on the drawings and do not require grout pour back. | 11/15/18 |
| S7.05 | S26: | Detail 15/S7.05 shows shop welds for channels to WF beams. A) Consider these welds to be field welds for ease of mobilizing materials into building and erecting in place. B) Elevation 13/S7.05 and detail 7/S7.05 show the new W12x65 beams installed wall to wall. Are there any construction tolerances on ends of beam? Doubtful existing conditions are perfectly plumb to have the east beam that tight to structure. If not, consider allowing two-piece beams with a splice detail for ease of installation into space. | A) Field welds are acceptable. B) GC to field verify existing dimensions prior to fabrication. | 11/15/18 |

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| S2.11, S2.12, S2.13, S7.06 | S27: | <p>S2.11 and S2.12 at main entry reference elevation 14/S7.06 for a new Structural support frame installed on the exterior wall. Comments regarding this framing are as follows:</p> <ul style="list-style-type: none"> A) Elevation shows what appears to be two large plates on north/south ends of HSS 12x6. What is the dimensional size and thickness of these plates? B) What are the large plate attachments and hole layout? C) Do the large plates weld to HSS 12 x 6? If so what is field welding information. D) Elevation shows (9) narrow plates between large plates. What is the dimensional spacing of these plates? E) Section 16/S7.06 shows welding of 8" plates to HSS 12x6 beam. These should be field welds. The mobilization of this frame will be cumbersome and breaking it down to manageable pieces will make installation more successful. F) Section 16/S7.06 shows 1/2" expansion anchors in 1/2" x 8" plate. Are these centered on plate, or do they have some other layout offset of center? G) What is the procedure if existing wall reinforcement is encountered at intended new anchor locations. Can reinforcement be drilled out, or does the hole need relocated? If existing reinforcement cannot be drilled out, suggest showing oversized holes with a plate washer welded over enlarged hole for fastener attachment. This will give some installation flexibility. H) Section and elevation show 1/2" x 6" x 10" plates welded to vertical HSS posts. A dimensional layout of these plates is needed. <p>Main entry Structural frame comments continue on next page...</p> | Revisions and new details are shown on S7.06. | 11/15/18 |

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| | | Main entry Structural frame comments continued from previous page... I) Does the vertical HSS posts weld to the top of horizontal HSS? Nothing is noted and if so, this should be a field weld. J) Elevation at upper end shows two rectangle plates behind 6x6 angle. What size are these plates, what is plate attachment, hole layout and does the angle weld to the plates (should be a field weld if yes)? K) What size (thickness) is the upper angle? Elevation and Section don't identify thickness and S2.13 doesn't identify size either. L) Do any of these anchors require epoxy? If so, it should be noted for clarity. M) If there is some flexibility in the location of the ½" x 6" x 10" clips behind HSS posts, suggest noting a field weld of post to clips to allow some minor adjustment of clips around existing reinforcement. N) Elevation at lower left reference to detail 16/S7.03 appears to be a typo and should be S7.06. | Revisions and new details are shown on S7.06. | 11/15/18 |
| S2.22 | S28: | S2.22 should provide connection information for skylight openings framed with HSS 4x4x1/4" framing members at covered play area. | This is a typical detail shown on S5.02. | 11/15/18 |
| S2.22, S5.02 | S29: | S2.22 gym roof skylight openings suggest referencing opening detail. Assume detail 5/S5.02 is the intent or similar condition. Needs updated for clarity. | Detail 5/S5.02 is a typical detail. | 11/15/18 |
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| S2.22, S5.21 | S30: | S2.22 references section 9/S5.21 at covered play canopy. A) S2.22 should show to provide low HSS 8x4x1/4" at perimeter and provide elevation. B) Section 9/S5.21 needs to provide field weld information for low HSS 8x4x1/4" to columns. | A) Low beam callout added on plan. B) Low beam connection information added to detail. | 11/15/18 |
| S2.22 | S31: | S2.22 needs to provide type of concrete wall embed required for covered play roof beams. | Precast panels are part of delegated design. | 11/15/18 |
| S3.20 | S32: | S3.20 precast concrete panels need more information. A) Panel height dimensions should be provided. B) Joist pocket and embedded plate elevations should be provided. C) Need to provide dimensions of solid panel area at embedded plates. D) Panel elevation 3 needs to show roof scupper blockouts. | A) Top of wall elevations are shown on S2.22. B) Beam elevations are provided on plan. C) Part of delegated design. D) Will add scupper locations. | 11/15/18 |
| S2.12 | S33: | S2.12 grid 4e/Be needs to provide a detail showing how the W12x16 and W14x22 are supported at the existing wall offset. | Added plan detail 6/S5.23. | 11/15/18 |
| S2.12 | S34: | S2.12 should provide top of steel elevation for Mechanical Mezzanine and covered walkway roof. | Steel elevations added to plan. | 11/15/18 |
| S2.12 | S35: | S2.12 should provide edge of mezzanine deck detail west and east of concrete shear wall. | Revised detail 9/S5.22. | 11/15/18 |
| S5.21 | S36: | Section 7/S5.21 reference details 3 and 5/S5.21. The welds shown in these details should be field welds. | Welds referenced here are shop or field at the Contractor's option. | 11/15/18 |

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| | | | Construction Documents 95 % | <input checked="" type="checkbox"/> |
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| S7.02 | S37: | The following comments apply to detail 4/S7.02 at top of shear wall. A) A note reads C8x11.5 see... See What? B) Detail 4 should show installation of CMST 14 straps. Plan indicates the CMST straps install under the C8x11.5 channel. Plan shows strap to start at existing URM wall. | A) See plan. B) Detail 4/S7.02 is a typical detail, but straps only occur at some locations. | 11/15/18 |
| S3.00, S2.21 | S38: | S3.00 shear wall 1, 3, and 4 should reference detail 9/S7.04 for top of wall as shown on S2.21. Are the CB-4 C8x11.5 (installed per detail 9/S7.04) and the C8x11.5 (detail 4/S7.02) to be (2) separate channels or one continuous channel? If two, a connection detail should be provided. | This is the same channel; revised detail 4/S7.02 to clarify. | 11/15/18 |
| S5.22 | S39: | The following comments apply to section 8/S5.22 A) How are the machine bolts installed? Will existing deck cut-out be required? B) What is the size and spacing of machine bolts? C) Fasteners shown through existing 3" x 12" to existing decking. What is the fastener type and spacing? | A) Nailer will be pre-installed and no deck demo will be required. B) Revised detail to show size/spacing. C) Revised detail to show fastener requirements. | 11/15/18 |

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| 015000 | MH1: | Part 1.03 / Item C / Paragraph 2. Indoor Air Quality Requirements specification is 017510 not 018119. And Commissioning is 019113 not 019100. | Owner edited this section. | |
| 017510 | MH2: | Part 1.03 / Paragraph C, describe/identify “ WET “materials. | Owner edited this section. | |
| 017510 | MH3: | Part 3.01 Execution. Using the DOAS system for flush-out and return ducts are temporarily sealed, since the return system is also exhaust, how can you get required air changes from sealed return ducts? | Refer to Section 230010. Sealing the return ducts protects the ductwork itself but is not required by WSSP. Currently Section 017510 does require sealing return ducts. Protecting the return duct work by sealing it off would require windows to be open during flush-out to relieve the supply air out of the building. | |
| 233600 | MH4: | Part 2.3 / Items E & F identify hydronic coils and electric- resistance heating coils in air terminal units. Suggest removing these from specifications. Hydronic or electric reheat are not used on this project. Should also remove Part 3.3 / Items A & B identifying the connections of piping to air terminal units. | Electric-resistance heating coils removed from spec. Hydronic coils have to be provided on VAV’s serving corridors to meet space load. | 11/15/18 |
| M0.02, MP0.04 | MH5: | Energy Code, general note #1. Sheet MP0.04 does not exist. | Revised to call out correct sheet. MP0.04 was sheet which was part of Seattle Mechanical Permitting. | 11/15/18 |

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| M0.04 M3.11 M3.12 | MH6: | Exhaust and Supply Fan Schedule. a) EF-05, design air flow (cfm's) on M3.11 is 405. Scheduled for 525. b) EF-07, design air flow (cfm's) on M3.11 & M3.12 is 1880. Scheduled for 1780. | a.) Revised schedule to correct amount. b.) EF-07 design airflow cfm to match floor plans. Exhaust has been adjust slightly. | 11/15/18 |
| M0.04 | MH7: | DOAS Air-Handling Unit Schedule, note #14 is not shown on the schedule. Also, are the HWS/R runout sizes sized correctly for split coils? (double the connections) | Split coil note #14 removed. Split coil note only provided for AHU-01. Detail provided for split coil piping. | 11/15/18 |
| M0.05 | MH8: | Diffuser, Register & Grille Schedule-Type B, Displacement Supply Grille, face size 36x60. All neck sizes on all plans are sized 32x66. Face size would be <+2">, 34x68. | Type B face size corrected in schedules. Face size to be 32"x66". Dimension scheduled is physical diffuser size, no additional +2" for border. | 11/15/18 |
| M0.05 | MH9: | Roof Hood Schedule needs locations updated for clarity. a) RFH-01, location is roof / DOAS #3. b) RFH-02, location is roof / DOAS #4. c) RFH-03, location is roof / DOAS #3 & #4. d) RFH-04, location is roof / DOAS #1 & #2. e) RFH-05, location is Gym Roof. Also throat size on M3.15 is 48x72, scheduled as 48x78. f) RFH-06, location is Gym Roof. g) RFH-07, location is roof / 1930. | Locations provided with Area served revised to associated equipment connected to hood. RFH-05 schedule throat size is correct. Size corrected on M3.15 to match equipment schedules. | 11/15/18 |
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| M0.05 | MH10: | Single Duct Air Terminal Unit Schedule. a) VAV-106, area served is Book Tech. #143. b) VAV-218. Cannot locate on plans. | a. VAV-106 serves Small Group 144 & Book Tech 143. b. Duplicate VAV-217 shown further north in tunnel should be VAV-218. Plans revised | 11/15/18 |
| M3.10 | MH11: | There are (2) VAV-217 shown on plans. | Duplicate VAV-217 revised to correct tag, VAV-218. | 11/15/18 |
| M3.11 | MH12: | Size all louver plenum ductwork that serves the louvers. | Louvers provided by arch. Per DRG schedule, Note 11, plenum to match louver size unless otherwise noted. | 11/15/18 |
| M3.11 | MH13: | Size exhaust duct between 18x18 & 12x12 above hallway 100D. | Duct is now provided. | 11/15/18 |
| M3.11 | MH14: | Size low pressure supply duct that serves VAV-119. | Duct is now provided. | 11/15/18 |
| M3.11 | MH15: | Size return duct that serves E / 24x12 / 300 in room #109. | Duct is now provided. | 11/15/18 |
| M3.11 | MH16: | Remove (typ. 2) in room #111, both E / 24x12 / 250 are identified. | (TYP 2) is provided for the transfer duct for the E / 24x24. No (TYP 2) indicated for grille noted. | 11/15/18 |

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| M3.11 M3.10 | MH17: | 16x10 UP/DN supply duct located in shaft just west of boys 110 is sized 16x12 on M3.10. | Duct call out corrected on M3.10 to 16x10 UP. | 11/15/18 |
| MD1.01 M3.11 | MH18: | On sheet MD1.01 general note #4 states to demo existing HVAC systems in its entirety. Flag note #5 & #6 state on M3.11 to reuse existing return duct. | Flag notes added on MD1.01 for contractor to keep existing return ductwork beneath stage as well as return grilles at the front of the stage. | 11/15/18 |
| M3.11 | MH19: | Identify diffuser with type, size & cfm's that serves room # 101B Admin. Hallway. | Diffuser is now tagged. | 11/15/18 |
| M3.11- M3.12 | MH20: | Need thermostat / sensor locations for Hallway 100A & 200A. | Flat plate sensors (thermostats) have been provided on 200A north and south portions heating of hallway VAV's. | 11/15/18 |
| M6.31– M3.13 | MH21: | RFH-06 is identified as RFH-07 on M3.13. | RFH-07 call it is correct on M3.13. RFH-07 is for the range hood. | 11/15/18 |
| M3.14 / 1 | MH22: | Provide seismic joint and detail for 40x34 supply duct, upstream from the Fire Damper located at grid 5. | Flexible duct connections will be provided on duct crossing seismic joints. | 11/15/18 |
| M3.14 / 1 | MH23: | Provide horizontal Fire-Smoke Damper at 1 st floor level for the 50x60 outside air duct. | Fire-smoke damper is provided on the 50x60 outside air duct. | 11/15/18 |

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| M3.14 / 2 | MH24: | Size the outside air plenum that serves the louver located at grids 2 / D. | Louvers provided by arch. Per DRG schedule, Note 11, plenum to match louver size unless otherwise noted. | 11/15/18 |
| M3.14 / 3 | MH25: | Provide seismic joint & detail for 12x10 & (2) 44x26 return ducts downstream from Fire Dampers. | Flexible duct connections will be provided on duct crossing seismic joints. | 11/15/18 |
| M3.15 / 2 | MH26: | Size outside air plenum that serves the louver for AHU-01. | Louvers provided by arch. Per DRG schedule, Note 11, plenum to match louver size unless otherwise noted. | 11/15/18 |
| M9.05 / 3 | MH27: | Provide distance from sleeve to ductwork. (fiberglass thickness) | Insulation thickness per specifications. | 11/15/18 |
| M9.06 / 2 | MH28: | Louver Connection Detail 2. Clarify detail as reference only. Louvers are provided under section 089100. | Detail is intended for the plenum connection to the louver and not the louver installation itself. | 11/15/18 |
| M9.00 sheets | MH29: | Provide details for the following but not limited to. Terminal Units, Unit Heaters with elevations to the bottom in vestibules, restrooms, etc. and also Roof Hoods. | Unit heaters elevated per architect and shall meet manufacturer's installation requirements. Roof hood detail is provided. Was on M9.06 but has shifted to M9.07 since. | 11/15/18 |

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| M0.02 | MP1: | General note 6 – Housekeeping pads should be by the GC | Housekeeping pads coordinated with Arch. | 11/15/18 |
| M0.02 | MP2: | General note 16 – Should the piping be capped at the end of the day to prevent dirt infiltration? | Covered by Section 230010, General HVAC Provisions. | 11/15/18 |
| M0.06 | MP3: | Sump pump SP-2 – Seems to be oversized for the application. Rated for 60 GPM with a 2” discharge and a retrieval system. M1.32 shows only the 2 FD’s from the DOAS units feeding into the sump. There is no cut of the pit but it shouldn’t have to be deep enough for a retrieval system, and with just the condensate from the DOAS feeding it 60 GPM seems excessive. Also would a duplex system be required? | 30 GPM pumps provided. Sized to accommodate relief valve popping/hose bib or fire sprinkler going off. Duplex pump provided in case primary pump fails. | 11/15/18 |
| M0.06 | MP4: | Sump pump SP-1 - Need a detail showing dual pump installation and height of alarms in pit and clarifying what is expected for the lid | Pump installation per manufacturer. Detail not required. | 11/15/18 |
| MD1.01 | MP5: | These drawings are too dark and small to accurately bid the demo. Each area should be its own sheet to be able to see pipe sizing | Noted. Supplemental existing drawings provided. Existing system is almost all demo’d with exception of a few items. | 11/15/18 |
| M1.31 | MP6: | Waste/FD risers should show sizing. This is common on all sheets | Waste to fixtures sized per Plumbing fixture schedule. Typical all fixtures including floor drains. | 11/15/18 |

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| M1.31 | MP7: | Vent for FD under boiler room stairs is shown rising at the edge of the stairs. 9/A4.24 does not show a wall under the stairs | Intent is for drain to come up exposed. Drain locations to shift slightly. | 11/15/18 |
| M1.31 | MP8: | Flag note 1 on plan view shows a FD with no vent. None shown on M5.01 | Vent shown on M5.01. Boiler room floor lower than that of existing fan room. Waste penetrates wall into boiler room where sanitary tee provided for waste down and vent up. | 11/15/18 |
| M1.31, M1.00 | MP9: | Underground piping feeding the gym and several utilities on the north and west side shown on M1.00 not shown on M1.31. | Call outs provided for clarity. Piping shown on M1.32 & M2.10. | 11/15/18 |
| M1.32, M1.31 | MP10: | Detail 2 match line 1/M1.31 piping does not show up on M1.31 | Match lines cleaned up. Match line now calls for M2.10 where continuation of pipes is shown. | 11/15/18 |
| M1.32 | MP11: | Detail 2 Waste/FD risers in toilet room need to be sized | Waste line sizes now provided. | 11/15/18 |
| M2.10, M9.01 | MP12: | There is a new FD shown along south wall of kitchen 112 that is above the tunnel. This lid is not being removed. Details on M9.01 do not address situations where a topping slab is not provided. Detail needed to address how to water proof the FD installation | Installation method to be by GCCM. | 11/15/18 |
| M2.10 | MP13: | There is a FD shown along north wall of kitchen next to where the gas riser that has no vent shown | Waste line and venting now shown for floor drain. | 11/15/18 |

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| M2.10 | MP14: | Gas piping sizing in kitchen not shown | Gas piping sized per riser diagram on M8.03. | 11/15/18 |
| M2.10 | MP15: | Can the FD's in the restrooms be primed with a flushometer? | Not per SPS standards. | 11/15/18 |
| M2.10 | MP16: | GPM's for all the domestic HWC circuit setters need to be shown for balancing | GPMs are provided on floor plans for balancing. | 11/15/18 |
| M2.10 | MP17: | Should there be balancing valves on the two HWC branches coming from the north and south and tying together just before they enter the boiler room? | Balancing valves in series not required. Only need to ensure there is no open loop without a balancing valve. Flag notes provided where drawing does not permit diagrammatic symbolization of balancing valves. | 11/15/18 |
| M2.10 | MP18: | NW corner of student dining has CW risers not sized | Line sized per plumbing fixture schedule. | 11/15/18 |
| M2.10 | MP19: | Waste lines to art room sink not sized | Line size added. | 11/15/18 |
| M2.10, M1.31 | MP20: | In the main middle N/S tunnel between columns 5/18 a 4" FD is shown. M1.31 has no piping to this | Not seeing this location. | 11/15/18 |
| M2.11 | MP21: | Gas piping sizing not shown | Gas piping sized per riser diagram on M8.03. | 11/15/18 |

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| M2.11 | MP22: | Flag note 5, suggest adding “route waste from P7 in wall to SI”. Change note P18 to P19 | Flag note corrected to call out correct P-Fixture. | 11/15/18 |
| M2.11 | MP23: | In SPED room 121 and toilet room 119A the waste and water risers not sized | Waste main tagged. Branches sized per plumbing fixture schedule. | 11/15/18 |
| M2.11 | MP24: | HB-1 piping not sized | Line sized per plumbing fixture schedule. | 11/15/18 |
| M2.12 | MP25: | ORWL sized in some areas and not in others | Size now provided. Included in Flag Note 2. | 11/15/18 |
| M4.10 | MP26: | Pipe sizing feeding the new classroom wing not shown | Pipe sizing indicated on M4.10. Noted just east of existing fan room. 4”HWS/R. | 11/15/18 |
| M4.10, M4.11 | MP27: | M4.10 shows a 1 ¼” HWR up in SW corner of library. M4.11 shows a 1” HWR dn. | Piping path for convectors revised. 1” is however the correct line size for pipe serving library convectors. Convectors now fed from Storage/ FS Riser. | 11/15/18 |
| M4.11, M9.04 | MP28: | Flag note 1 – There is no detail on 5/M9.04 to accurately show how these are to be piped to balance with one feed below in the tunnel. Suggest separate feeds to each piece of fin tube | Detail is provided on M9.06. Revised flag note to call out specific detail. | 11/15/18 |

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| M4.11 | MP29: | The 1¼” dn feeding the library is shown in the existing concrete wall. Must rise in either the storage room or in the NE corner of the library with the RWL | Piping path for convectors revised. Convectors now fed from Storage/ FS Riser. | 11/15/18 |
| M4.11 | MP30: | FT-05 in stair S01 does not have the design criteria listed | Updated to include design criteria. | 11/15/18 |
| M4.11 | MP31: | The fin tube in the library does not need enclosures. Behind the casework | Revised M4.11 to not call out enclosure length. Convector was tagged correctly as none-enclosed model. | 11/15/18 |
| M4.11 | MP32: | HWS/R piping up to the DOAS not sized | Piping appears to be sized in drawings. Branch piping to serve single equipment per mechanical schedules. | 11/15/18 |
| M4.14 | MP33: | HWS/R piping to DOAS not sized | Piping appears to be sized in drawings. Branch piping to serve single equipment per mechanical schedules. | 11/15/18 |
| M4.14 | MP34: | FT-3 is shown along the north wall of grid 4. There are no water fittings of the angles that make up this wall. Trying to make a swing joint in the cabinet to connect the separate sections would be problematic with added drains/vents Therefore I suggest each section should have its own feed and FT-3 designation, not two pieces listed as one length and BTU. | Not concerned about draining/venting a 3/4” copper pipe. | 11/15/18 |

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| M5.01 | MP35: | Flag note 2 – Verify it is on the electrical drawings | By Controls contractor. Additional verbiage included via addendum. | 11/15/18 |
| M5.01 | MP36: | Why a 4” FD under the stairs? Should it move closer to where flag note 5 is? | Floor drains revised at boiler room. Drain moved closer to RPBA on east wall as indicated. Previous drain location shown was existing drain location. | 11/15/18 |
| M5.01 | MP37: | Gas piping not sized | Gas piping sized per riser diagram on M8.03. | 11/15/18 |
| M5.01 | MP38: | The building IWH are scheduled for 140 degree water with a storage tank. There is no master mixing valve shown or called out to reduce the system water to 120 degrees per code. Please verify with the AHJ | Building water hot water system is design for 120 deg F. Temperature in storage tank is controlled by circulation pump. Even though 140 deg F is coming from water heater, pump will turn off once tank reaches 120. | 11/15/18 |
| M5.01 | MP39: | The IWH designated for the kitchen is scheduled for only 120 degree water. I believe the health dept requires 140 degree for washing purposes. Please verify with the AHJ | Coordinated with Food service consultant and 120 is acceptable. 140 can be set by owner if desired. | 11/15/18 |

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| M7.01 | MP40: | Flag note 4 shown in main vestibule. Is this correct? | Flag note is correct. A dry head is provided to avoid providing unit heater for freeze protection due to space constraints. | 11/15/18 |
| M7.01 | MP41: | 1/A2.30 should be incorporated with this sheet | Modified general note to call out Architectural drawing A2.30. | 11/15/18 |
| M7.01 | MP42: | The fire protection riser for the building is in storage room 117. There is no drain shown on M2.10 to serve the FP. | Existing test drains daylight out the building. Intent is to maintain this approach. Flag note provided for clarification. | 11/15/18 |
| M8.01 | MP43: | Although not identified, why flex connectors on the boiler? No moving parts | Flex piping provided per acoustical report. | 11/15/18 |
| M8.01 | MP44: | Need flag note 16 on air separator | By-pass not required on automatic air vent on air separator. By-pass shown on AAV's are intended for system fill. Don't need more than two as already shown on riser. | 11/15/18 |
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| M8.01 | MP45: | In my experience, the pressure vessel AHJ would not allow a isolation valve between a relief valve and the system, even if you took the handle off. This caused us to have two safety relief valves in each location! Please verify with the AHJ this is acceptable as drawn. | Isolation valve does not exist between relief valve and the pressure vessel. Will confirm with SPS if they require for maintenance. There are also relief valves on both boilers. The system would only not be protected if both boilers and expansion tank were isolated. In this case there would be no way for expansion to occur as only the boilers can cause expansion. | 11/15/18 |
| M8.01/1 | MP46: | Flag note 1 Need to provide GPM for the flow meters | GPM has now been provided in Flag Note 1. | 11/15/18 |
| M8.01/1 | MP47: | Flag note 17 Should include “by BAS” | Note has now been revised to include by BAS Contractor. | 11/15/18 |
| M8.01 | MP48: | Sheet mis labeled. Should state Hydronics, not water | Revised riser to be called Hydronic Riser Diagram. Sheet index has been updated as well. | 11/15/18 |
| M8.01 | MP49: | Flag note 5 there needs to be specific PSIG for system relief valves | Specified PSIG has now been provided. | 11/15/18 |
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| Consultant: <u> LRC Consultants </u> | Date: 11/15/18 <u> </u> | Program Documents | |
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| | | Design Development | |
| | | Construction Documents 95 % | X |

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| M8.01 | MP50: | What is the control valve shown downstream of the water meter (flag note 17) | Control valve is provided for leak in hydronic system. When water meter shows sustained flow, control valve closes and provides alarm. | 11/15/18 |
| M8.01 | MP51: | There are numerous items (PT, gauges, check valves) not identified | All devices not provided by flag note are designated in mechanical legend. | 11/15/18 |
| M8.02 | MP52: | The interior GM (gas meters) should have a note “ provided by BAS” per the spec’s | Specs work in unison with drawings. Thus as it is called out in the specifications no call out required on drawings. | 11/15/18 |
| M8.02 | MP53: | Gas piping sizes need to be shown on the plan view drawing for bidding purposes | Sizing does not need to be indicated in two areas. Contractor can bid off the riser diagram. Extent of gas piping scope is not extensive. | 11/15/18 |
| M8.02 | MP54: | Gas piping to kitchen seems to be oversized or the MPG is mis labeled. Regulator at the meter could be 2# to 11” WC? | MPG mislabeled and had been corrected. Notes had been added on M1.00 and M8.02 for gas meter to be 2 PSI with 11”WC regulator provided. | 11/15/18 |
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| M9.01 | MP55: | Why an expansion tank on the cold water service? | Cold water entering building could be 50 deg F. Water inside the building could be as warm as ambient air temperature. Since reduce pressure backflow assembly is provided water cannot expand back into the city system therefor expansion tank is required. | 11/15/18 |
| M9.01 | MP56: | Need detail showing new drains in existing floors with no topping slab | Detail 4/M9.01 is for the classroom addition. The classroom addition floor will always have topping slab because it's a composite steel deck. | 11/15/18 |
| M9.01/6 | MP57: | Where the existing floor is cored drilled, galv pipe can't be used as the cored holes are a different size as the pipe OD | Sleeving not required at cored floor openings. | 11/15/18 |
| M9.01/5 | MP58: | Plug valves(?) into the heaters not identified. HWC circuit setter needs GPM | Unsure which "plug valves" are being reference. Heaters have isolation valves for shut off. Note provided to balance flow per Instantaneous water heater schedule. | 11/15/18 |
| M9.01/5 | MP59: | Pumps not designated | Pump tags have now been provided for clarity. | 11/15/18 |

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| | | Design Development | <input type="checkbox"/> |
| | | Construction Documents 95 % | <input checked="" type="checkbox"/> |

| Drawing or Spec Ref. | Item No. | Mechanical Piping Comments | A & E Response | Resolution Date |
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| M9.05/1, M5.01 | MP60: | Should identify the kitchen HW both here and on M5.01 | Detail updated to “Kitchen Instantaneous Gas Water Heater Detail”. | 11/15/18 |
| M9.06/3 | MP61: | Need GPM for balancing valves | GPMs are provided on floor plans. | 11/15/18 |
| M9.06/5 | MP62: | Because of the extensive tunnel system and that the valves serve both first and second floor FT, would suggest requiring plastic engraved label with the room the valve serves. This would avoid confusion later for maintenance | General note has now been provided as a general note on hydronic plans. | 11/15/18 |
| M0.05 | MP63: | ET – 01 has note calling for a sight glass. This is a bladder tank, there are no sight glass ports | Sight glass is available for this model of expansion tank. | 11/15/18 |
| M2.10 M4.10 | MP64: | Suggest general note to bring attention to the large extent of core drilling for the new piping installations | Demo for mechanical is to be coordinated by GCCM, refer to architectural. | 11/15/18 |
| C3.00 M1.00 | MP65: | The buried domestic water between the west wing and the gym building is called out on both civil and mech. Because it runs in and out of the buildings, suggest having mech provide and install while installing the HWS/R | Services per mechanical. Shown on mechanical documents with civil referencing to mech. | 11/15/18 |
| A1.21 A2.11 M2.10 | MP66: | There is a 3” RWL shown rising in the NE corner of the library. A1.21 states to protect the wood floor but a section in the corner will have to be removed to allow mech to dig a hole to install the new RWL from the tunnel | Noted. No option around this. Coordinated with arch. | 11/15/18 |
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| A2.10, M1.00, M2.10, C3.00, S2.10 | MP67: | Arch has tunnel F/F elevations shown. At the north tunnel under the student dining tunnel F/F is shown as 216.47. Mech/Civil is calling out I.E. of the RWL and waste piping at 215.00 and 216.00 at this location. As designed, there would have to be more tunnel slab removed and its possible the piping could run through footings? | Coordinated with arch and structural engineer. | 11/15/18 |
| A2.10 M2.10 5M9.05 M7.10 | MP68: | Mech and fire protection are installing new piping throughout the tunnel system. Both FP and Mech must provide low point drains in their respective systems, and there are all the valve stations for the FT's. With no drains shown or being provided in the tunnels, where is this water going? | Floor drains are provided in basement and tunnels. Low point drains shall be as close as possible to floor drains. Will provide note to clarify. | 11/15/18 |
| A1.21 M2.10 | MP69: | Because of the depth of the RWL and waste piping going through the student dining area, the ditch will have to be wider to meet WISHA requirements | Noted. | 11/15/18 |
| M2.10 M3.10 M4.10 A3.14 | MP70: | Suggest flag note on piping where it double offsets into boiler room stating to offset down to clear ductwork. | Flag note has now been added to indicate for piping to offset down below ductwork (Both Hydronic and Plumbing Plans) | 11/15/18 |
| M2.11 A2.11a A5.09 | MP71: | In student dining on south wall mech shows (1) P3 hand wash sink. Arch shows (2) sinks | Coordinated with arch. | 11/15/18 |
| S2.14/1 A2.14/1 M0.06 M1.32 | MP72: | Mech calls for concrete sump basin 36 X 36. Neither structural or arch shows new pit | Arch sheet A2.14 calls out sump pit. | 11/15/18 |

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| | | | Construction Documents 95 % | <input checked="" type="checkbox"/> |
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| FS1.02 M8.02 | MP73: | Food service schedule has each of the double stacked ovens at 90M BTU. Mech has them at 55MBTH | This was previously coordinate with food service consultant. Food service confirmed 55 MBTH per connection. | 11/15/18 |
| 221116-3 | MP74: | Part 2.3 identifies joint construction and soldering is not listed as an option. Is soldering acceptable? | No. Soldering not acceptable. | 11/15/18 |
| 221319-5 | MP75: | Part 2.8 B identifies solids interceptors. These are not on the drawings | Recessed solids interceptor omitted from specs. | 11/15/18 |
| 221423-1 | MP76: | Part 2.2 Identifies conductor nozzles ON-1. No product number for basis of design is provided. | Make and model added. | 11/15/18 |
| 223400-3, M9.01 | MP77: | Part 2.2 C Calls for S/S drain pan. Detail 5/M9.01 calls for galvanized pan. | Revised spec to galvanized. | 11/15/18 |
| 224000-2 | MP78: | Part 2.1 There are numerous fixtures that do not call out a mixing valve on the hot water. Water delivery as it now stands is 140 degrees. Code states you must have a mixing valve to prevent scalding at that temp. | Tank temperature will be set for 120F. | 11/15/18 |
| 224000-6 | MP79: | 3.2 No installation guide for the shower base given | Added. | 11/15/18 |
| 230523-2 | MP80: | Are grooved butterfly valves acceptable or just lug valves? | Lug valves. | 11/15/18 |
| 230993 | MP81: | I do not see the monitoring of the sump pump alarms. Is this required? | This is included. | 11/15/18 |

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| 231123-5, 230900-42 | MP82: | Part 2.8 identifies a gas submeter. These are also called out in 230900-42 2.25 | Deleted in 231123. | 11/15/18 |
| 220000, 230000 | MP83: | No spare parts are called out for the owner in either section 220000 or 230000 piping. Is this correct? | Yes. | 11/15/18 |
| MD1.01, Spec 211300 | MP84: | MD1.01 Mechanical demolition plan or M7.10 1930 building fire sprinkler should provide direction as to the extent of existing fire sprinkler systems demolition. A) Does existing alarm bell demo or remain? B) Section 211300 Fire Suppression has not provided a specification for dry systems compressor. | Sprinkler system shall be new. Dry system performance spec provided. | 11/15/18 |
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| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
| ED1.01 | E1: | Flag Note 2 – how much if any of the demolished aerial work is to be performed by SCL? | All aerial demo by contractor. Pole mounted XFMR demo by SCL. | 11/2/18 |
| ED1.02 | E2: | Flag Note 1 – calls for the demolition of systems, equipment and luminaires. The “Preliminary Limited Hazardous Materials Survey Report” sections 2.3 & 2.4 references PCB’s and Mercury-Containing Components. Spec. Section 260512 1.1 B states that the General and Supplementary Conditions and Division 01 sections apply to Work in this section. The Preliminary Limited Hazardous Materials Survey section 2.3 and 3.3 discuss PCB-Containing Components and Ballasts. The survey states that during the preliminary survey no PCB containing ballasts were encountered. If during the course of demolition PCB ballasts are discovered how will their removal handled. We have a per each cost for legal disposal of lamps and ballasts, as a line item on the bid form, and also have seen where these materials are turned over to the owner whom accepts responsibility for the legal disposal of these contaminated items. | Handling of hazardous materials outlined in project specifications not on drawings. | 11/2/18 |
| E1.01 | E3: | Flag Note 6 – circuit identification is missing for the home runs. Details 2 & 3 on E7.03 are indicated at the luminaire locations. The detail on E7.03 refers to the Enlarged Kitchen Plan. Should the details actually be on E7.04? | Home run and circuit identification added. Detail reference corrected. | 11/2/18 |
| E1.01 | E4: | Flag Note 7 – The circuit identification for the home run is missing. Who supplies the disconnect switch for the pumps. We could not locate these pumps on the Mechanical Equipment Schedules. | Not Specified by mechanical – specified by civil. Div 26 to provide disconnect. | 11/2/18 |
| E1.02 | E5: | We could not locate Flag Note 5 on this drawing. | Revised per comment | 11/02/18 |

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| E2.00 | E6: | The Relay and Panelboard numbers are not yet indicated. | All information added | 11/2/18 |
| E2.01 | E7: | The Relay and Panelboard numbers are not complete. | All information added | 11/2/18 |
| E2.02 | E8: | The Relay and Panelboard numbers are not complete. | All information added | 11/2/18 |
| E2.10 | E9: | Flag Note 1- the circuit identification is missing for the home run. | Corrected | 11/2/18 |
| E2.10 | E10: | The space just east of the stairs has three 4way switches indicated. Should two of these switches be 3way switches? | Corrected | 11/2/18 |
| E2.10 | E11: | There is a small space just east of the stairs with a single pole switch shown. A) Does this switch control tunnel lights? B) What are the switching requirements for tunnel lighting? The smaller tertiary tunnels with door/floor access don't show any switching. Needs updated. | Switching zones added and light switch locations reconciled. | 11/2/18 |
| E2.11 | E12: | We could not locate Flag Note 6 on this drawing. | Flag notes added to plan | 11/2/18 |
| E2.11 | E13: | Vestibule 100 Flag Note 7 - the circuit identifier is missing. | Revised | 11/2/18 |

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| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
| E2.11, E3.11, Spec 263353 | E14: | Vestibule 100 Flag Note 8 – we could not locate where the microinverter is specified. A) The Power Plan E3.11 is silent regarding the microinverter. B) Specification section 263353 describes a UPS System. We were unable to locate the UPS on the floor plans and the One-Line Diagram is silent regarding this system. C) Why is this unit located in a wall cavity? Should this be in a telecom room or other more accessible location? | Microinverter intended for exterior emergency lighting only. Equipment located in wall such that distance from fixture to inverter is minimized as to minimize DC voltage drop. UPS system is utilized for Low Voltage equipment and is located on Telecom Racks in MDF/IDF. | 11/2/18 |
| E2.11 | E15: | Hallway 100G - the fixture type E6X needs to be circuited. | Circuited | 11/2/18 |
| E2.11 | E16: | Flex Classroom 139 - the fixture type E4X needs to be circuited | Circuited | 11/2/18 |
| E2.11 | E17: | Boiler Access Stairs – should the single pole switch be a 3way switch, see the basement plan E2.10. | Corrected | 11/2/18 |
| E2.11 | E18: | Music Storage 131A – what controls the lights in this space? | Switch provided | 11/2/18 |
| E2.14 | E19: | What controls the fixture type S1X at the tunnel access? | Switches provided | 11/2/18 |
| E2.14 | E20: | Roof Access 200C – the switch is missing for the wall mounted fixture. | Switch provided | 11/2/18 |
| E2.14 | E21: | Detail 3 Classroom Wing Level 2 – home runs are not indicated for this area. | Home runs added | 11/2/18 |
| E2.15 | E22: | Community Storage 152B – what controls the lighting in this space? | Switch provided | 11/2/18 |
| E2.15 | E23: | Gym Storage 152C - what controls the lighting in this space? | Switch provided | 11/2/18 |

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| E3.01 | E24: | There are several disconnects shown (rooms 114, 150, 151) on this sheet what do they control? | Visibility filter issues have been corrected. | 11/2/18 |
| E3.11 | E25: | Toilets 123 & 124 – should these receptacles have the subscript GF (Ground Fault)? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E26: | Power Plans general observation – there are receptacles shown with the subscript CR. Per Specification Section 262726 2.4 6. Controlled Receptacles shall have the subscript “C”. | Typo Corrected | 11/2/18 |
| E3.11 | E27: | Sped Classroom 121 – should the receptacles adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E28: | Toilets 119A & 121A – should these receptacles be ground fault devices? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E29: | Nurse Office 102 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E30: | Toilet 103 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |

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| E3.11 | E31: | Workroom 109 - should the two receptacles adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E32: | Sped Classroom 119 – should the receptacles adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E33: | Toilet 114 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E34: | Platform 116 – we could not locate the homerun for circuit P9A-3. | Homerun added | 11/2/18 |
| E3.11 | E35: | Classroom 138 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E36: | Classroom 136 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E37: | Flex Classroom 139 -- should the receptacle near the entry adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |

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| E3.11 | E38: | Classroom 137 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E39: | Classroom 135 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E40: | Music 131 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E41: | Art Room 128 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E42: | Storage Receiving 134 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.11 | E43: | The narrative for Flag Note 2 is not shown. | Corrected | 11/2/18 |
| E3.12 | E44: | Custodial 208 - should this receptacle be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |

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| E3.12 | E45: | Toilet 207 - should this receptacle be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E46: | Sped 212 - should the receptacle adjacent to the sink be a ground fault device | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E47: | Classroom 220 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E48: | Classroom 218 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E49: | Classroom 216 - should the receptacle wall adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E50: | Classroom 217 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E51: | Classroom 215 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |

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LRC CONSULTANTS, Inc. DESIGN/CONSTRUCTABILITY REVIEW COMMENT RESOLUTION

Project Name: Daniel Bagley Elementary School Addition

Construction Manager: Pat McGlothlin

| | | | |
|--|--|-----------------------------|-------------------------------------|
| Consultant: <u> LRC Consultants </u> | Date: 11/15/18 <u> </u> | Program Documents | |
| Reviewers: BMJ, MH | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | <input type="checkbox"/> |
| | | Design Development | <input type="checkbox"/> |
| | | Construction Documents 95 % | <input checked="" type="checkbox"/> |

| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
|----------------------|----------|--|---|-----------------|
| E3.12 | E52: | Classroom 211 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E53: | Classroom 212 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E54: | Classroom 205 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E55: | Classroom 202 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E56: | Classroom 201 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E57: | Classroom 219 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| | | | | |

SEATTLE SCHOOL DISTRICT

LRC CONSULTANTS, Inc. DESIGN/CONSTRUCTABILITY REVIEW COMMENT RESOLUTION

Project Name: Daniel Bagley Elementary School Addition

Construction Manager: Pat McGlothlin

| Consultant: <u> LRC Consultants </u> | | Date: <u> 11/15/18 </u> | Program Documents | |
|--|----------|--|---|-------------------------------------|
| Reviewers: BMJ, MH | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | <input type="checkbox"/> |
| | | | Design Development | <input type="checkbox"/> |
| | | | Construction Documents 95 % | <input checked="" type="checkbox"/> |
| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
| E3.12 | E58: | Sped 206 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E59: | Toilet 213 - should this receptacle be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.12 | E60: | Flag Note narratives are missing. | Corrected | 11/2/18 |
| E3.14 | E61: | Classroom 145 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.14 | E62: | Classroom 146 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.14 | E63: | Classroom 148 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.14 | E64: | Classroom 149 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |

SEATTLE SCHOOL DISTRICT

LRC CONSULTANTS, Inc. DESIGN/CONSTRUCTABILITY REVIEW COMMENT RESOLUTION

Project Name: Daniel Bagley Elementary School Addition

Construction Manager: Pat McGlothlin

| Consultant: <u> LRC Consultants </u> | | Date: 11/15/18 | Program Documents | |
|--|----------|--|---|-----------------|
| Reviewers: BMJ, MH | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | |
| | | | Design Development | |
| | | | Construction Documents 95 % | X |
| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
| E3.14 | E65: | Classroom 223 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.14 | E66: | Classroom 223 – the narrative for the Projector Media Cart is printed over a receptacle and its circuit. For clarity might it be moved? | All annotations have been reconciled for legibility | 11/2/18 |
| E3.14 | E67: | Classroom 224 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.14 | E68: | Classroom 226 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.14 | E69: | Classroom 226 – there is what appears to be a quad receptacle at the east wall that is printed over another device. The circuitry and device quantities are unclear. | All annotations have been reconciled for legibility | 11/2/18 |
| E3.14 | E70: | Classroom 227 - should the receptacle adjacent to the sink be a ground fault device? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E3.14 | E71: | Why are low voltage systems Sheet Notes and Flag Notes shown on the power plans? | Corrected | 11/2/18 |

SEATTLE SCHOOL DISTRICT

LRC CONSULTANTS, Inc. DESIGN/CONSTRUCTABILITY REVIEW COMMENT RESOLUTION

Project Name: Daniel Bagley Elementary School Addition

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| Consultant: <u> LRC Consultants </u> | | Date: 11/15/18 | Program Documents | |
|--|----------|--|--|-----------------|
| Reviewers: BMJ, MH | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | |
| | | | Design Development | |
| | | | Construction Documents 95 % | X |
| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
| E3.15 | E72: | PE Office 152D – there is a manual motor starter and what appears to be a disconnect switch shown. It is unclear what they are serving. | Visibility filter issues corrected. Disconnect switch for door motor controller | 11/2/18 |
| E3.15 | E73: | Toilet 151 – there is a disconnect switch indicated. What does it control? | Visibility filter issues corrected. | 11/2/18 |
| E3.15 | E74: | Vestibule 150 - there is a disconnect switch indicated. What does it control? | Visibility filter issues corrected. | 11/2/18 |
| E4.10 | E75: | Boiler Room B04 – CP-04 is shown to have a fused disconnect switch. The Mechanical Equipment Schedule on E0.07 is silent regarding the disconnect. | Drawings and Schedules Reconciled | 11/2/18 |
| E4.10 | E76: | Boiler Room B04 – UH-01 is shown to have a fused disconnect switch. The Mechanical Equipment Schedule on E0.07 is silent regarding the disconnect. | Drawings and Schedules Reconciled | 11/2/18 |
| E4.10 | E77: | Boiler Room B04 – SP-01 is shown to have a fused disconnect switch. The Mechanical Equipment Schedule on E0.07 is silent regarding the disconnect. | Drawings and Schedules Reconciled | 11/2/18 |
| E4.10 | E78: | Boiler Room B04 – PU-01 & PU-02 are shown to have fused disconnect switches. The Mechanical Equipment Schedule on E0.07 is silent regarding these disconnects. | Drawings and Schedules Reconciled | 11/2/18 |
| E4.10 | E79: | Boiler Room B04 – EF-01 is shown to have a combination starter/disconnect. The Mechanical Equipment Schedule on E0.07 is silent regarding the starter. | Drawings and Schedules Reconciled | 11/2/18 |
| E4.11 through E4.16 | E80: | Typical all mechanical Power Plans - Unit Heaters are shown to have fused disconnects. The Mechanical Equipment Schedule on sheet E0.07 is silent regarding these disconnects. | Drawings and Schedules Reconciled | 11/2/18 |

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|--|----------|---|--|-----------------|
| Reviewers: BMJ, MH | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | |
| | | | Design Development | |
| | | | Construction Documents 95 % | X |
| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
| E4.11 through E4.16 | E81: | Typical all mechanical Power Plans – DOAS Units are shown to have fused disconnects. The Mechanical Equipment Schedule on sheet E0.07 is silent regarding these disconnects. | Drawings and Schedules Reconciled | 11/2/18 |
| E4.12 | E82: | Equipment Platform M01 – there are two lighting homeruns indicated, circuits M2B-13 & 14. What do these circuits supply? Sheet E2.12 indicates the lighting in this space is fed via circuit LB1-12. | 120V power for lighting inside DOAS unit | 11/2/18 |
| E4.14 | E83: | Mechanical Room B01 - SP-02 is shown to have a fused disconnect switch. The Mechanical Equipment Schedule on E0.07 is silent regarding the disconnect. | Drawings and Schedules Reconciled | 11/2/18 |
| E4.14 | E84: | Mechanical Room B01 – EF-02 & SF-01 are shown to have combination starter/disconnects. The Mechanical Equipment Schedule on E0.07 is silent regarding these starters. | Drawings and Schedules Reconciled | 11/2/18 |
| E4.14 | E85: | Mechanical Room B01- there are two junction boxes indicated for lighting. One to the west with circuit M1A-1. The second j-box does not have a circuit indicated. What lighting do these circuits feed? Sheet E2.14 indicates the lighting in this area is fed via circuit LA1-6. | 120V power for lighting inside DOAS unit | 11/2/18 |
| E4.14 | E86: | Details 2 & 3 are labeled as Alt. 1 & 2. We were unable to find a description of Alternates in the specifications. | Detail names revised to match architect | 11/2/18 |

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|--|----------|--|--|-----------------|
| Reviewers: BMJ, MH | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | |
| | | | Design Development | |
| | | | Construction Documents 95 % | X |
| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
| E4.15 | E87: | Equipment Platform M02 – AHU-01 is shown to have a fused disconnect switch. The Mechanical Equipment Schedule on E0.07 is silent regarding the disconnect. This unit is to be provided with a VFD. Is this disconnect necessary? | Drawings and Schedules Reconciled | 11/2/18 |
| E4.15 | E88: | Equipment Platform M02 – EF-03 is shown to have a combination started/disconnect. The Mechanical Equipment Schedule on E0.07 is silent regarding the starter. | Drawings and Schedules Reconciled | 11/2/18 |
| E4.15 | E89: | Equipment Platform M02 – EWH-01 is shown to have a fused disconnect switch. The Mechanical Equipment Schedule on E0.07 is silent regarding the disconnect. | Drawings and Schedules Reconciled | 11/2/18 |
| E4.16 | E90: | EF-5, EF-7 & EF-8 are shown to have combination starter/disconnect. The Mechanical Equipment Schedule on E0.07 is silent regarding the starter. | Drawings and Schedules Reconciled | 11/2/18 |
| E7.01 | E91: | Flag Note 1 – calls for conduit stubbed to roof for future photovoltaic system. There is a notation for the j-box to be a AES Cabinet. Further direction is shown as Detail 1 on E7.05. This detail is for Equipment Phenolic Tags. What does the abbreviation AES represent? What size is the cabinet or junction box? The flag note gives additional direction to E9.01 for additional information. E9.01 is silent regarding a future photovoltaic system, spare conduits or a cabinet for AES. | AES cabinet is a wireless radio mesh communicator for Fire Alarm. Details updated. Reference to E9.03 corrected. | 11/2/18 |

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| Reviewers: BMJ, MH | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | |
| | | | Design Development | |
| | | | Construction Documents 95 % | X |
| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
| E7.01 | E92: | Flag Note 2 calls for power connection for a Fire Alarm Systems RF Communicator. The Detail and Sheet information is missing from the note. The cabinet shown in Electric Room B02 has this cabinet labeled as Lightning Arrestor. | Detail updated | 11/2/18 |
| E7.01 | E93: | Flag Note 3 does not appear on this sheet other than the narrative, which is missing detail and sheet information. | Flag note corrected | 11/2/18 |
| E7.01 | E94: | Flag Note 4 does not appear on this sheet other than the narrative, which is missing detail and sheet information | Flag note corrected | 11/2/18 |
| E7.01 | E95: | Flag Note 8 notes to provide space and conduit pathway for future PV production meter. A) Where does the conduit terminate? At switchboard room or at PV system itself? B) How much space is required for production meter? C) Where and how is meter installed on building and is it really wanted outside? | *All PV Equipment and infrastructure, except where noted, shall be provided later under a future contract.* Future PV production meter shall be connected to future PV panelboard. Both will be mounted to exterior of building. Production meter as specified by SCL. | 11/2/18 |
| E7.01 | E96: | Detail 3, 4 & 5 –what are the mounting requirements for the devices indicated? Direction to sheet E8.01 might help. Additionally, there are devices and circuits shown to the UPS. Where is the UPS located? Is there a specification for the UPS? The UPS is shown in the Detail 1 & 3 as a equipment connection. Detail 2 shows a circuit only for the UPS without direction where the circuit originates. | Drawings and circuits updated based on E8.01 and a reference to E8.01 has been added. | 11/2/18 |

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| Reviewers: BMJ, MH | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | |
| | | | Design Development | |
| | | | Construction Documents 95 % | X |
| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
| E7.02, E7.03, E7.07 | E97: | Detail 1 Kiln Room 128B – gives direction to Detail 5 on E7.03. E7.03 is the Enlarged Kitchen Plan. The Detail for the Kiln Control is Detail 4/E7.07. | Details and Detail references have been corrected. | 11/2/18 |
| E7.02 | E98: | Detail 4 – shows the AES Antenna location with direction to Detail 1 on E7.05. This detail is for phenolic tags. | Details and Detail references have been corrected. | 11/2/18 |
| E7.03 | E99: | Do any of the receptacles indicated need to be ground fault type devices? | All GF protection occurs at panelboard and is indicated on E10 series sheets. | 11/2/18 |
| E7.03 | E100: | Home Runs for circuits K1A-2,3,4,5,6,7,8,9,10,11 & 12 are not shown. | Corrected | 11/2/18 |
| E7.03 | E101: | Kitchen Equipment Item E3 – is there additional scope for the Fire Protection System other than the circuit and junction box? | Shunt trip of kitchen panel via fire protection system indicated on one-line diagram. | 11/2/18 |
| E7.03 | E102: | It would be beneficial if a Flag Note were added giving direction to the Food Service drawings. | Noted | 11/2/18 |
| E9.01 | E103: | The Main Switchboard “MSB1” is shown rated at 1200 amps. E10.01 indicates “MSB1” is to be 1600 amps. | One-line diagram and panel schedules have been reconciled. | 11/2/18 |
| E9.01 through E9.03 | E104: | Available Fault Current tags are shown as X’s. | Fault calc values added. | 11/2/18 |

SEATTLE SCHOOL DISTRICT

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| Reviewers: BMJ, MH | | For questions please call Larry Cargile or Ron Hadwiger at 509-466-0419. | Schematic | |
| | | | Design Development | |
| | | | Construction Documents 95 % | X |
| Drawing or Spec Ref. | Item No. | Electrical Comments | A & E Response | Resolution Date |
| E10.01 | E105: | Panel “K1A” is shown to have a shunt Trip Main. The Enlarged Kitchen Plan on E7.03 is silent regarding a device to that controls the shunt trip breaker | Instructions have been added to one-line. | 11/2/18 |
| E5.10 through E5.15 | E106: | We understand that the Fire Alarm System is bidder design but should the Fire Alarm and Security System Plans indicate Manual Pull Stations for the fire alarm system? | Per district standards, fire alarm pull stations are only permitted at FACP, Admin area, and Mechanical Mezzanines. | 11/2/18 |
| E5.11 | E107: | Hallway 100D – Flag Note 1 is shown with the symbol “T”. This symbol does not appear on E0.01. Flag Note narratives do not appear on this sheet. | Flag notes updated | 11/2/18 |
| E5.11 & E5.12 | E108: | The Flag Note Narratives for notes 1 & 2 do not appear on this sheet. | Flag notes updated | 11/2/18 |
| E5.15 | E109: | Detail 1 on E8.03 is shown at IDF M02B. The detail on E8.03 is for a communications outlet. | Revised per comment | 11/02/18 |
| E6.11 | E110: | Small Group 130 Flag Note 16 – does this mean outlet boxes with a empty conduit stubbed into accessible ceiling space? | Flag notes revised | 11/02/18 |

**Seattle School District #1
Board Resolution**

Resolution No. 2018/19-19



A RESOLUTION of the Board of Directors of Seattle School District No. 1, King County, Seattle, Washington certifying the proposed Daniel Bagley Elementary School Modernization and Addition (BEX IV & BTA IV) will be completed according to the purposes for which state funding assistance is being provided.

WHEREAS, the Daniel Bagley Elementary School Project qualifies for state funding assistance; and

WHEREAS, the State Board of Education, pursuant to WAC 392-344-130, states: "...payment shall be made after receipt of written certification by the school board of directors that the school facility project authorized for state funding assistance has been or will be completed according to the purposes for which state funding assistance is provided

WHEREAS, a resolution certifying the project will be completed must be on file with the Office of the Superintendent of Public Instruction before state funds can be disbursed

NOW THEREFORE, BE IT

RESOLVED, that the Seattle School Board of Directors, in accordance with the provisions in WAC 392-344-130, certifies that the construction of the Daniel Bagley Elementary School Modernization and Addition will be completed according to the purposes for which the state funding assistance is being provided

ADOPTED this _____ day of _____, 2019

Leslie Harris, President

Rick Burke, Vice-President

Zachary DeWolf, Member-at-Large

Jill Geary, Member

Eden Mack, Member

Betty Patu, Member

Scott Pinkham, Member

ATTEST: _____
Ms. Denise Juneau, Superintendent
Secretary, Board of Directors
Seattle School District No. 1
King County, WA

**Seattle School District #1
Board Resolution**

Resolution No. 2018/19-20



A RESOLUTION of the Board of Directors of Seattle School District No. 1, King County, Seattle, Washington certifying the proposed Daniel Bagley Elementary School Modernization and Addition (BEX IV & BTA IV) for Five (5) Year Use/Thirty (30) Year Life.

WHEREAS, it is the intent of the Board of Directors of Seattle School District No. 1 to modernize Daniel Bagley Elementary School; and

WHEREAS, it has been determined that the modernized Daniel Bagley Elementary School will be used for instructional purposes for at least five (5) years after completion of the project; and

WHEREAS, it has been determined that the useful life of Daniel Bagley Elementary School will be extended at least thirty (30) years;

NOW THEREFORE, BE IT

RESOLVED, that the Board of Directors of Seattle School District No. 1, in accordance with the provisions of WAC 392-347-015 and WAC 392-347-030, certifies that the facilities of Daniel Bagley Elementary School will be used for instructional purposes for at least five (5) years and that the useful life of Daniel Bagley Elementary School will be extended by at least thirty (30) years.

ADOPTED this _____ day of _____, 2019

Leslie Harris, President

Rick Burke, Vice-President

Zachary DeWolf, Member-at-Large

Jill Geary, Member

Eden Mack, Member

Betty Patu, Member

Scott Pinkham, Member

ATTEST: _____
Ms. Denise Juneau, Superintendent
Secretary, Board of Directors
Seattle School District No. 1
King County, WA