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ATTN: Vendors

Addendum # Three (3)

1. Specification Section 08 53 13 Vinyl Windows
2. Specification Section 23 05 93 Testing, Adjusting, and Balancing for HVAC
3. Mechanical EF-2
4. Attached is the plan holder list for this project (8 pages). The company name that are highlighted in yellow attended the mandatory pre-site visit.

1. Phase I dwgs 2/S1.51 call for the platform to be T-6061 aluminum or A306 stainless steel. These two options would present a conflicting metal when attached to a steel roof. The basis of design manufacturer has confirmed that their product comes standard in galvanized steel. Please confirm if galvanized steel is acceptable.

2. On the Phase 1 drawings, sheet E1.11 note 6 calls out that more info is on AD5.05 detail 4. That sheet is not included in the drawing set presented, will that page be available?

3. On the Phase 1 drawings, Sheet E0.11, General Notes C. calls out that Phase 2 will have Demolition and Remodel work on the Gymnasium. The Phase 2 drawing do not have any call out for electrical work, will there be any specifics of what Electrical work will be needed for the Phase 2 project?

DOC Response: *There is no electrical scope for phase 2 of this project. General Note C can be removed in it's entirety.*

4. The bid schedule provided asks for one lump sum price. Contractor to confirm Phase I & Phase II pricing is not to be submitted separately.

DOC Response: *One lump sum price.*

5. Please confirm that the PCC facility is in the jurisdiction of Palmer Building Code Enforcement and a permit is to be pulled and paid for by the contractor.

DOC Response: *The Authority Having Jurisdiction (AHJ) for this facility is the Alaska State Fire Marshal's office <https://dps.alaska.gov/fire/contactus>*

6. Is landscaping to be repaired by the contractor around work area?

DOC Response: *Yes*

7. Phase I dwgs A1.02 KN: 123 & 124 call for new metal siding. 4/A5.02 calls for T-111 siding & paint. Please advise.

DOC Response: *Referenced Keynotes correctly call out new metal siding. Change Detail 4/A5.02 note to reflect new plywood sheathing in matching thickness to adjacent surfaces, new weather barrier and metal siding.*

8. Phase II dwgs H2.02 call to demo the entire gym metal roof panel area. AD2.01 KN11 calls for the gym IMRP to remain in place. Please advise

DOC Response: *The insulated metal panels are to remain in place, and asbestos-containing sealants, etc. will be removed as necessary to complete the work. Revise Sheet Note 2 on both Sheet H2.01 and H2.02 to read: "REMOVE ASBESTOS-CONTAINING PATCHING TARS AND SEALANTS AT ALL JOINTS, FLASHINGS, ETC. AS NECESSARY TO INSTALL THE NEW OVER-FRAME SYSTEM, AND NEW ROOFING."*

Revise Sheet H2.02 as follows: Delete existing combined sheet note call-outs 1 and 2. Sheet note 1 will point to the narrow, lower roof at the east side of the Gym. Sheet note 2 will point to the larger main roof over the gymnasium.

Delete the quantities on Sheet H2.01 and replace with the following:

"855 SQUARE FEET OF METAL ROOF WITH ASBESTOS-CONTAINING PATCHING TARS AND SEALANTS AT FLASHINGS & SEAM SEALANTS.

570 SQUARE FEET ALLOWANCE FOR REMOVAL OF ASBESTOS-CONTAINING PATCHING TARS AND SEALANTS TO BE REMOVED FROM INSULATED METAL PANELS, FLASHINGS, CURBS, ETC. TO FACILITATE INSTALLATION OF NEW OVER-FRAMING AND NEW ROOFING."

9. May the work in Phase 1 and Phase 2 be performed simultaneously? Or, must Phase 1 be 100% complete prior to commencing with the work included in Phase 2?

DOC Response: *No. See question 10.*

10. Should bidding contractors assume that a contract will not be issued in time to procure materials and complete the installation prior to the fall/rainy season (August/September)? If so, then significant construction costs may be added for temporary cover efforts throughout the new roof installation during the rainy season. However, if a contract was awarded in time for submittals and material procurement to occur soon enough to allow construction to commence in July, then the rainy season could be avoided entirely therefore saving the owner thousands of dollars.

DOC Response: *Contract will be awarded as soon as possible.*

11. Phase 1 - Keynote 6 on AD2.02 states “*Existing plumbing vent pipe to remain. Demolish flange*” and points to (12) vent pipes. However, Demolition Sheet Note 3 on M2.11 states “*Demolish VTR down to a minimum of 12” below roof assembly.*” The Architectural drawings state that the VTR’s are scheduled to remain, while the Mechanical drawings state that the VTR’s are to be demolished. Which is correct?

DOC Response: *Revise keynote 6 on AD2.02 to “Demolish roof flange and VTR as indicated on Mechanical sheet M2.11”.*

12. Phase 1 Keynote 103 on Sheet A1.02 is called out at an existing exhaust fan EF-3 and states “*Overflow scupper see Detail.*” Please verify the correct keynote callout for this exhaust fan. Please also verify that Keynote 103 is worded correctly as it appears to be missing a detail reference.

DOC Response: *EF-3 exhaust fan Keynote 103 is incorrectly identified at EF 3 exhaust fan. Change keynote reference to Keynote 116. Note reference to stainless steel cap does not apply to existing conditions at EF-3 fan. Existing fan will be reinstalled on new insulated curb with color-matched GI flashing. See detail 3/A5.03 for mechanical curb construction. See mechanical detail 4/M5.11 for fan installation.*

13. Phase 1 - Keynote 19 on Sheet AD2.02 states “*EXISTING POLE, ANTENNA. TO BE TEMPORARILY REMOVED OR RELOCATED D DURING CONSTRUCTION*” and is called out at (3) different locations. However, electrical drawings E1.11 and E2.11 do not show or call for any work to occur at the locations of the (3) antennas in question (the work to remove and re-install antennas is typically performed by a licensed electrician). The electrical drawings instead show just one antenna at a different location, and indicate that the j-box is to be replaced. Please coordinate the architectural and electrical designs and provide the correct quantities and locations so we may accurately price this work.

DOC Response: *There is only 1 antenna. Contractor is to disconnect wiring to antenna, coil back to allow roof work and reinstall as is.*

14. Phase 1 - Keynote 22 on Sheet AD2.02 states “*EXISTING KITCHEN EXHAUST HOOD TO BE REMOVED AND SALVAGED – REFER TO MECHANICAL DRAWINGS.*” Salvaging implies remove and save for re-installation. However, Demolition Sheet Note 8 on Sheet M2.11 states “*DEMOLISH KITCHEN EXHAUST FAN, DEMOLISH ROOF CURB AND TYPE 1 GREASE DUCT DOWN TO A MINIMUM OF 12” BELOW ROOF ASSEMBLY.*” The Architectural drawings direct us to salvage, while the Mechanical drawings say to demo. Please clarify.

DOC Response: *Kitchen exhaust fan is to be demolished and replaced. Associated ductwork is to be demolished to extent necessary to accommodate remodel work and new curb.*

15. Phase 1 - There is a note within Detail 2/AD5.03 stating “*Selective demolition: presence of (E) trim varies per location, remove any water damaged or rotted wood and siding.*” Please provide LF and SF quantities of wood and siding to be removed and replaced as a basis of bid, or confirm that rotted wood/siding will be addressed during construction as a concealed/changed condition.

DOC Response: *Contractor should assume replacing all of the trim associated with the headwall trim shown on detail.*

16. Phase 1 – Detail 1/AD5.02 includes a note stating “*Demo (E) plywood soffit panel.*” However, the details provided for the new work indicate that this plywood soffit is to remain. Which is correct?

DOC Response: *Existing plywood is to remain to the extent possible to accomplish required new work detailed.*

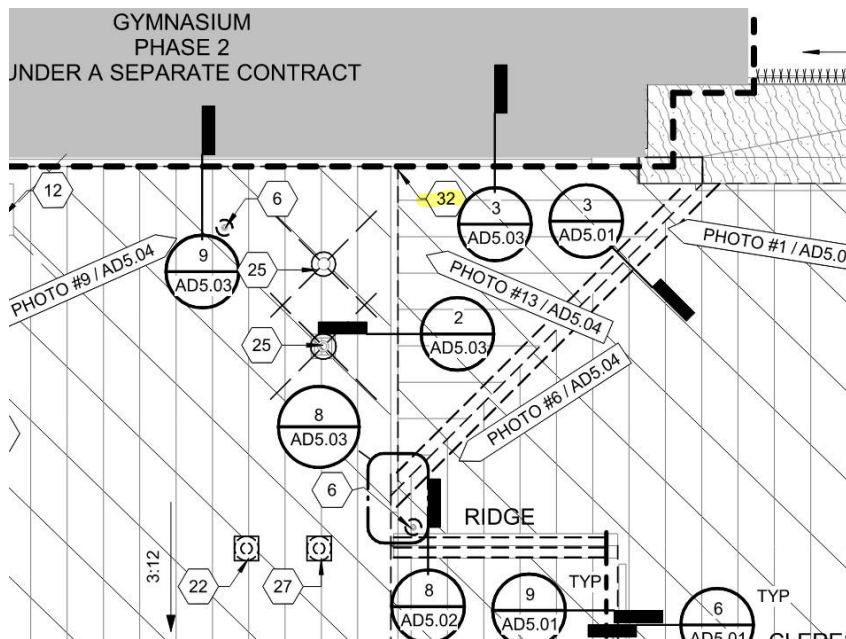
17. Phase 1 – Detail 10/AD5.03 includes a note stating “*SELECTIVE DEMOLITION OF (E) ROOF FRAMING - REMOVE ANY WATER DAMAGED PLYWOOD DECKING, WOOD FRAMING, INSULATION, AND FINISHES.*” Although a max quantity of 850 SF is provided, please indicate a basis of bid quantity for the water damaged roof framing, decking, insulation, and finishes to be

demolished and replaced; or confirm that all rotted wood, insulation, and finishes will be addressed during construction as a concealed/changed condition.

DOC Response: *Contractor should assume replacing 50% the plywood sheathing, framing and insulation shown on the elevated wall shown on this detail. Concealed rotted roof framing and sheathing beyond quantity indicated shall be addressed during construction.*

18. Phase 1 – There is a Detail 7 on Sheet AD5.01, however we were unable to locate a detail callout in plan view indicating where this Detail 7 shall apply. Please advise.

DOC Response: *Detail is associated with Keynote 32 as shown on Roof Plan 2/AD2.02. Reference photo 13/AD5.04 and See images below:*



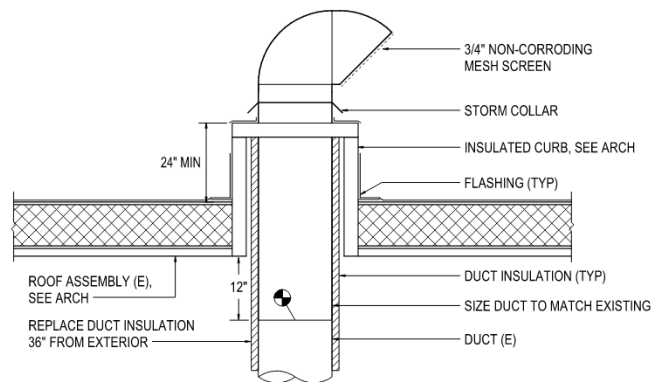
Wall mechanical louver to be salvaged per mechanical drawings and reinstalled integral with the installation of new metal wall panels.

19. Phase 1 – Keynote 112 on A1.02 points to one location and states “Existing mechanical duct with new curb cap and collar flashing.” In other words, this existing mechanical duct is to receive a new curb cap and collar flashing, but the existing curb itself is existing and shall be re-used. Details 1, 2, 3, and

4 on Sheet A5.03 provide the new flashing requirements associated with this existing mechanical duct/curb. But the curb construction appears to be drawn in dark linework, which eludes to the fact that the curb would need to be demolished and replaced, however there are no construction details or direction provided to support the need to reconstruct this curb. There is a note in Detail 4/A5.03 stating “*Typical mechanical curb, see.*” Meanwhile, Sheet M2.11 identifies this same mechanical duct and refers you to Detail 2/M0.21 which does not appear to exist. In summary, please clarify the requirements associated with whether a new wood-framed architectural curb and/or steel pre-manufactured mechanical curb are required, along with any demolition efforts associated.

DOC Response: *Keynote 112 should also include reference to constructing a new curb. The referenced mechanical detail is shown as part of the Phase 2 drawing set and is shown below. Curb is to be demolished and a new curb per the referenced detail is to be provided/constructed. See response to question 20 for specific curb construction.*

Reference to detail 2/M0.21 was inadvertently left out of phase 1 drawings. This detail is hereby incorporated into Phase 1 drawings and show below:



2 AIR HANDLER HOOD DETAIL

NOT TO SCALE

20. Phase 1 – Detail 2/A5.01 shows a new architectural curb in dark line work and not grayed out, which eludes to the fact that the curb would need to be demolished and replaced, however there are no construction details or direction provided to support the need to reconstruct this curb. But then Detail 7/M5.11 includes a note stating “*sheet metal insulated curb per architectural.*” Please confirm that this architectural curb is existing and shall be re-used.

DOC Response: *Existing curb is to be demolished and new constructed as shown on architectural detail 2/A5.01. Curb to be constructed of 2x4 wood studs sheathed on the exterior with nominal 5/8" plywood sheathing and fire taped 5/8" Type X GWB on interior surface. Fill interior voids with fiberglass insulation. Refer to sheet note 6 on M2.11 for demolition of flue.*

21. Phase 1 – Detail 2/A5.01 calls for a new “*stainless steel stack storm cap*” while Detail 7/M5.11 states that the boiler chimney cap is existing. Which is correct?

DOC Response: *Sheet note 6 on M2.11 calls for boiler flue to be salvaged and reinstalled. Change detail 2/A5.01 call out to reflect reinstallation of existing flue and storm cap per mechanical drawings.*

22. Phase 1 – Detail 1/A5.01 indicates that the snow splitter is aluminum, while Detail 2/A5.01 indicates that the snow splitter is stainless steel. Which is correct?

DOC Response: *Snow diverter to be constructed in aluminum. Guy struts shown on detail 2/A5.01 to be stainless steel as indicated. Provide isolation washers between aluminum and stainless steel*

connections to prevent galvanic corrosion. (Note Detail 8/A5.03 diverter at PVC correctly shows color matched PVC coated sheet metal).

23. Phase 1 – Detail 4/A5.06 calls for the kitchen exhaust fan to have a hinged hood while Detail 5/M5.11 does not indicate a requirement for the hood to be hinged. Which is correct?

DOC Response: *Hinged hood is to be provided for kitchen exhaust fan.*

24. Phase 1 – Keynote 122 on Sheet A1.02 states “Repair decking from abandoned penetrations this area.” There is a detail reference at one of the Keynote 122 callouts which refers you to Detail 9/A5.03. This detail does not appear to apply to the condition in question. Please advise.

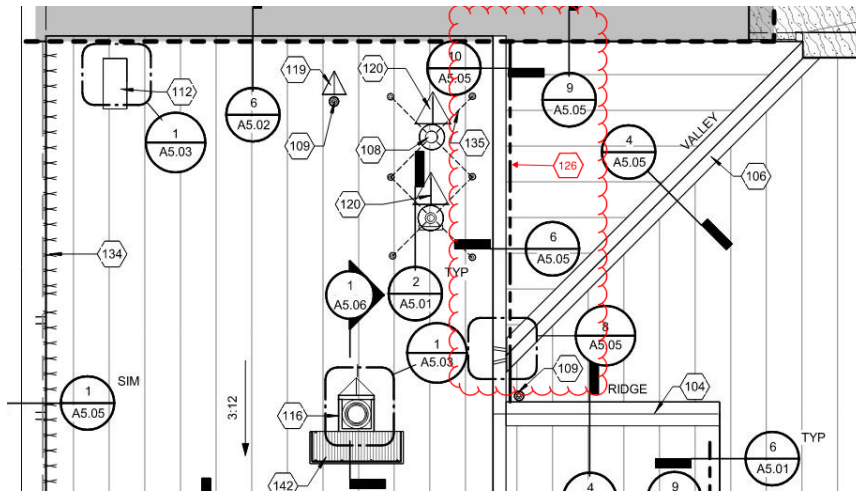
DOC Response: *Section detail 9/A5.03 is unrelated to keynote 122 as questioned. Detail reference is intended to indicate the construction occurring at the nearby rake condition. Note the reference should be changed to read 10/A5.04 given the condition at this location does not include new metal siding installation.*

25. Phase 1 – Keynotes 123 and 124 on Sheet A1.02 indicate new metal siding. These keynotes are only called out at the west clerestory, referencing Details 6/A5.01 and 9/A5.03. However, Details 6/A5.01 and 9/A5.03 are also called out at the east clerestory however Keynotes 123 and 124 are not present therefore indicating that new metal siding is not required at the east clerestory even though new metal siding is present in Details 6/A5.01 and 9/A5.03. Please confirm new metal siding is not required at the east clerestory.

DOC Response: *New metal siding is required. See response to questions 7 and 27.*

26. Phase 1 – Details 6 and 10 on Sheet A5.05 indicate the presence of new metal siding. However, Keynotes 123/124 on Sheet A1.02 are not called out at the same locations where Details 6 and 10 exist on Sheet A1.02. Please clarify the extent of new metal sliding.

DOC Response: *ADD new “KEYNOTE 126 -NEW METAL SIDING, WEATHER BARRIER OVER EXISTING T1-11 PLYWOOD SIDING”. See image below for location of Keynote:*



27. Phase 1 – Keynotes 123 and 124 on Sheet A1.02 call for new metal siding and are called out at the west, south, and east faces of the west clerestory. The west and east faces both reference Details 6/A5.01 and 9/A5.03, while the south face references Detail 7/A5.04. Although Details 6/A5.01 and 9/A5.03 show new metal siding, Detail 7/A5.04 indicates no new siding at the south face of the west clerestory which contradicts the Keynote 123 callout at the south face. Then if you refer to Detail 4/A5.02 which is an elevation view of the south face, it calls for new T1-11 wood siding which further contradicts the other callouts described above. In summary, one callout indicates new metal siding, the other callout indicates no new siding at all, and the last callout indicates new wood siding. Which is correct?

DOC Response: *Detail 7/A5.04 is specific for the ridge condition at Inmate Passage where no new metal siding is required. As stated, it is "Similar" to the ridge condition at clerestory where new metal is required as stated in reference key notes. This detail shows the ridge construction at both locations. South, east and west wall surfaces to receive new metal siding. See related response to question no. 7.*

28. Phase 1 - specification was not provided for the new vinyl windows. Please provide a vinyl window specification to include a basis of design manufacturer / series.

DOC Response: *See attached Specification Section 08 53n13 Vinyl Windows. Add section reference to Table of Contents.*

29. AD.5.02 Detail 1 states to demo existing soffit panel. A 5.04 detail 1 references the same area but does not mention any soffit work. Soffit is not found in the specs. Please clarify

DOC Response: *See related response to question 16. Where demolition is required to complete work – new soffit material and finish to match remaining existing soffit.*

30. AD 5.05 Does this Clerestory receive metal siding as well? Similarly to AD 5.04 Detail 13 and A 1.02 keynote 123 New Metal Siding.

DOC Response: *The clerestory is to receive metal siding on 3 wall faces as indicated by keynotes 123/124 on Detail 2/A1.02. See related response to question 26 indicating new keynote 126 and response to question 7.*

31. A. 1.02 Keynote 123 New Metal Siding. Reference AD 5.03 Detail 10 calls for selective demolition. A 5.02 Detail 4 calls for new T-111 and paint. Please clarify.

DOC Response: *See response to question 7.*

32. AD 5.03 Detail 10 states to demolish existing windows. A 5.02 Details 4,5,7,&9 calls for new vinyl windows. Are these single, double or triple pane? Is there a preferred manufacturer? We cannot find the spec.

DOC Response: *See attached specification section 08 53 13 Vinyl Windows.*

33. Cant Locate Ad 5.03 as well as several other details please clarify

DOC Response: *Question is unclear as to which details are referenced. Sheet AD 5.03 is present in set.*

34. A 5.4 Detail 7 references Cobra Soffit Vent Strip. We cannot find a spec for type and size. Please clarify.

DOC Response: *Cobra Venting is a trade name of snow filtering mesh manufactured by GAF. This is available in rolls in various widths to fit requirements shown in ridge and headwall details as shown. Approved alternate equivalent products will be accepted.*

Cobra® Exhaust Vent for Roof Ridge

Remove excess heat and moisture from your attic and protect your roof system from premature deterioration



- Help reduce excessive attic heat and moisture, as well as ice damming in the winter
- Avoid premature roof system degradation
- Limit the growth of harmful mold and mildew



Product Description

GAF is always working on new and better ways to protect homes, buildings and our planet. We are committed to making our products better, stronger, safer and in more sustainable ways that are faster and easier to install. Manufactured with 100% recycled fiber to help reduce the amount of material entering landfills. Fast and easy installation with no complicated fitting, wrapping, nail gun adapters, connectors or end-plugs needed.

Product Details

Product Details

California residents see	Prop 65 WARNINGS	UPC	073590950000
Manufacturer Part No	GAFCB10520	Brand Name	GAF
Height	0.75 in.	Width	10.5 in.
Color	Black	Length	240 in.
Material	Fiber/Polyester	Product Type	Shingle Over Ridge Vent
Pitch	2/12 to 20/12	Screen Included	No
Paintable or Stainable	No	Vent Type	Ridge
Wildlife Guard	No	Shape	Rectangle
Sub Brand	Cobra	Net Free Area	16.9 sq in

35. AD 2.02 Detail 1 at the very bottom of the page shows see detail 4 AD 5.02 at the Barge Fascia Board. A 1.02 does not reference what to replace it with. Please advise.

DOC Response: *Applicable detail reference on Sheet A1.02 should be 4/A5.04.*

36. AD 5.02 detail 7 states to demo blocking at two locations on the detail. Do you have an approximate lineal footage on this or should we assume that all areas called out as detail 7 will need to be replaced?

DOC Response: *Little decay at these locations is anticipated – assume 10%.*

37. AD 2.02 / Note 23, AD5.03/detail 10 & keynote 4. Once all siding is removed, will any unforeseen water damage, etc be addressed through change orders; headers, studs, etc? Also see A5.02/detail 4 states "Wall and header to be replaced". Does this mean all headers of just the one pointed to? Please clarify scope.

DOC Response: *Arrow is not necessarily limited to only this header. See response to question 17.*

38. A5.01/details 2 & 8 show new curbs around stacks, but does not detail the wall types / components of the curb walls. Please clarify.

DOC Response: *Curb assembly drawn consists of 2x4 wall studs and wood plates as shown. Interior face to be 5/8" Type X GWB; stud cavity filled with 3 1/2" unfaced fiberglass insulation covered with 1/2" plywood sheathing.*

39. A5.03/7 / Guy Anchor Post - Please clarify this detail; location & specifications.

DOC Response: *Post components are called out on detail. Contractor to submit shop drawings for approval prior to fabrication. Locations are shown on 2/A1.02.*

40. A5.01 / Details 1 & 2, "Stainless Steel Snow Diverters". Can you provide a spec, type of stainless, manufacturer / basis of design?

DOC Response: *These are anticipated to be locally fabricated. Contractors may submit manufactured diverters for approval provided they meet the requirements of the project.*

41. A5.01/ Details 1 & 2, the details have two different materials for the snow diverter. Detail 1 states it's aluminum whereas detail 2 states it's stainless steel. Please clarify.

DOC Response: *See response to question 22.*

42. Detail 4/A5.04 calls for plywood decking, but the plywood decking is grayed out which implies that it is existing to remain like everywhere else on this project. Please confirm the plywood is existing to remain.

DOC Response: *Existing Plywood to remain.*

43. Detail 4/A5.04 includes a callout for a "treated 2x12," but the callout points to nothing. Should the callout be removed, or should a 2x12 be added?

DOC Response: *Delete reference to treated 2x12 not shown on detail.*

44. Detail 4/A5.04 calls for a factory finish sheet metal flashing that wraps around the front and bottom faces of the existing soffit. But there is also a second callout for a "metal soffit" which points to this same piece of flashing. Given that there are two different callouts which both point at the same flashing, please clarify the design intent.

DOC Response: *Existing wood soffit to remain. Terminate vertical face sheet metal at soffit below similar to that shown on detail 3/A504. Beyond the new metal roofing work above, work includes new 2x10 as shown and new color matched metal cover.*

45. Detail 4/A5.04 includes a callout for a “metal soffit” at the innermost portion of the soffit, but points to a grayed out assembly therefore implying that the inner metal soffit is existing to remain. Please confirm.

DOC Response: *Correct – no new work at this location.*

46. Detail 4/A5.04 includes a note stating “Treated x4, wrap in color matched, factory finish sheet metal.” This callout points to grayed out materials therefore implying that they are existing to remain. Please confirm.

DOC Response: *Delete referenced note on this detail.*

47. SC-7.02 states “The CONTRACTOR shall procure all other permits and licenses required to complete the project, pay all charges, fees and taxes, and give all notices necessary and incidental to the due and lawful prosecution of the Work” and “The CONTRACTOR shall obtain the State of Alaska Fire Marshal plan review.” For clarity, please confirm the Owner will pay for the cost of plan review and building permitting through the City of Palmer.

DOC Response: *DOC The owner will not pay for permitting.*

48. Section 09 90 00 PAINTING AND COATING 1.02 A.3. states “Scope: Finish all interior and exterior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:” Per this painting specification issued as part of the bid package, all bidders should include the costs to prep and paint all interior and exterior surfaces exposed to view. Re-painting the entire building inside and out would be an unusual scope on a re-roofing project which are typically limited to minor interior patch areas such as around the new windows. Please verify the desired painting scope required for this project.

DOC Response: *The intent of this requirement is limited to work either as a part of the project or any damage caused by the contractor's activities.*

49. We were unable to locate where Detail 9/A5.01 is called out in plan view in order to determine the extent of where this construction detail applies with respect to the building. Please advise.

DOC Response: *See Detail 8/A5.05.*

50. We were unable to locate where Detail 11/A5.05 is called out in plan view in order to determine the extent of where this construction detail applies with respect to the building. Please advise

DOC Response: *No detail 11/A5.05 is present on this sheet A5.05. No reference to this detail is found on either roof plans 1 or 2/A1.02.*

51. Sheet Metal snow diverters are called out at select locations per Sheet A1.02. Details 1, 2, and 3 on Sheet A5.01 indicate the construction requirements for these snow diverters. However, there is also a Detail 3/A5.06 titled “Curb Cricket - Typical” but we were unable to locate where this detail is called out in plan view in order to determine the extent of where this construction detail applies at it does not appear to be referenced to anywhere in the drawings. Please advise.

DOC Response: *Details 1, 2, 3 and 4 on Sheet A5.06 are all related to the new kitchen hood EF-1. Diverter is integrated with equipment curb at this location.*

52. There are two detail callouts at the existing rooftop exhaust fan referenced to by Keynote 116 on Sheet A1.02, Detail 1/A5.03 and Detail 1/A5.06. Detail 1/A5.03 includes a typical curb flashing detail which does not call for a curb cricket. However, Detail 1/A5.06 does in fact call for a curb cricket. Since both details are referenced at this location, which is correct?

DOC Response: *Detail 1/A5.03 is specific to the curb construction and does not show accessory items like snow diverters that are detailed elsewhere on the drawings. Detail 1/A5.06 shows the diverter integrated into the kitchen hood as shown. See response to questions 52 and 78.*

53. Detail 1/S1.51 provides construction details for the kitchen exhaust fan platform. This detail contains a note stating "NOTE: LIFE-LINE ANCHORS NOT SHOWN. ATTACH ANCHORS PER MFR REQUIREMENTS BASED ON ROOFING SYSTEM. ASSUMED HORIZONTAL LOAD APPLIED TO EXISTING STRUCTURAL MEMBERS: 1,350 LB." However, life-line anchors are not shown or called for at this location anywhere in the architectural or structural drawings. So if life-line anchors are in fact required, then please provide a drawing showing the location, quantity, type of anchor, and installation attachment.

DOC Response: *Contractor shall consult with platform Manufacturer to determine their system's anchoring requirements to include placement, anchor design and attachment.*

54. Detail 1/M2.11 includes a note stating "Salvage 72/36 louver (typ 2)" and points to two louvers located at the east clearstory, which implies salvage and re-install. However, Keynote 140 on Sheet A1.02 states "Existing louver to remain. Refer to mechanical." Please confirm that the louvers in question are existing to remain and do not need to be removed/salvaged and re-installed.

DOC Response: *Louvers shall be existing to remain per Architectural drawing keynote 140 on A1.02.*

55. Sheet Note 6 on E1.11 states "DETATCH LIGHT AND MAST FROM FASCIA AND RESERVE FOR REINSTALLATION. SEE 4/AD5.05 FOR MORE INFO." Sheet AD5.05 does not exist. Please advise.

DOC Response: *Replace "AD5.05" with "AD5.04". This is a reference to the photo on sheet AD5.04. The photo 12/AD5.05 also shows this light. The intent is to show that it's a remove light and reinstall light as is to allow for other work.*

56. There is a note on Sheet S1.13 which points to both the east and west clerestories and states "REMOVE WALL AND ROOF SHEATHING TO INSPECT FRAMING. IF DAMAGED OR ROTTED MEMBERS FOUND, REPLACE PER 3/S1.51." The quantity of damaged/rotted roof and wall sheathing and framing is a hidden condition and is therefore concealed/unknown. In other words, a basis of bid quantity is not provided as required to ensure all bidding contractors are on the same playing field. Please consider making all roof/wall assembly demo and replacement a bid allowance to be handled as a changed condition on a case by case basis.

DOC Response: *See response to question 17.*

57. Section 07 41 13 paragraph 1.03 E. mentions snow guards however there are no snow guards shown or called for in the construction drawings. If snow guards are desired, then please indicate the layout, quantity, lengths, etc.

DOC Response: *Delete reference to snow guards.*

58. A1.02. The Medium Security Admin Bldg shows integral gutter, noted as 117. The Medium Segregation Unit does not show any gutter replacement, but detail 1/504 indicates new gutters on Seg Unit. Please clarify intentions.

DOC Response: *All integral gutters are to be replaced with new.*

59. Phase 2 Question, A0.02 states that the existing gym roof are insulated metal panels. AD 2.01 Keynote 2 states that the existing metal panel roofs to be demolished. A5.01 Detail 1 shows to install a roof hugger rail on top of the insulated metal panels that are to remain. S 2.01 Detail 2 shows basically the same as a 5.01 detail 1. Please clarify.

DOC Response: *Insulated metal panels (IMP) are to remain. A5.01 Detail 1 correctly shows the installation of roof hugger system and new metal roofing panels.*

60. Phase 2 Question, A 5.01 detail 8 shows installing new vent material. What is this material? We cannot find it in the specs.

DOC Response: *See response to question 35.*

61. Phase 2 Question, A 5.01Detail 8 Notes to replace damaged sheathing. Do you have an approximate square footage for this task?

DOC Response: *Minimal decay is anticipated - budget 5%.*

62. Phase 2 Question, Keynote 6 on Sheet AD2.01 states "Existing plumbing vent pipe to remain, demolish flange." However, Demolition Sheet Note 3 on M2.21 provides direction to "Demolish VTR down to a minimum of 12" below roof assembly." The Architectural drawings say the VTR's are existing to remain while the Mechanical drawings say to demo the VTR's. Which is correct?

DOC Response: *See response to question 11.*

63. Phase 2 Question, Keynote 8 on Sheet AD2.01 states "Existing flue and cap to remain, demolish flange." However, Demolition Sheet Note 1 on M2.21 provides direction to "Demolish fuel oil unit heater exhaust flue, roof curb, and exhaust duct down to a minimum of 24" below roof assembly." The Architectural drawings say these three flues are existing to remain while the Mechanical drawings say to demo the flues. Which is correct?

DOC Response: *Replace flues per mechanical drawings.*

64. Phase 2 Question, Keynote 8 on Sheet AD2.01 states "Existing flue and cap to remain, demolish flange." However, Demolition Sheet Note 1 on M2.21 provides direction to "Demolish fuel oil unit heater exhaust flue, roof curb, and exhaust duct down to a minimum of 24" below roof assembly." The Architectural drawings say these three flues are existing to remain while the Mechanical drawings say to demo the flues. Which is correct?

DOC Response: *See response to question 64.*

65. Phase 2 Question, Detail 8/AD5.01 identifies existing components to remain as well as existing components scheduled for demolition. There is a note stating "Existing curb construction," but does not provide direction to demo the architectural curb. However, the curb is bordered in bold dashed line work therefore indicating that this architectural curb may indeed need to be demolished. Please advise.

DOC Response: *These mechanical curbs are to remain. See Keynote 112 on Sheet A2.01. Details show them to be fully detailed with new sheet metal.*

66. Phase 2 Question, Detail 6/AD5.01 includes a note stating "Prefinished sheetmetal flashing on treated 4x blocking at 16" o.c." But this note is pointing at grayed out existing construction and does not differentiate whether these materials should be demolished or are they to remain. Please advise

DOC Response: *Demolition does not include the eave underlying wood elements as indicated – demo sheet metal to facilitate installation of new eave metal and roofing. Work also includes the demolition of remaining portions of failed PVC gutter. Rainleaders to remain outside of effected new work. See photo below for existing conditions.*



67. Phase 2 Question, There is a detail callout 9/AD5.01 on Sheet AD2.01 located along a 5'-4" section of wall near the southeast corner of the gym. Please confirm that the work outlined in Detail 9/AD5.01 does in fact only apply to a 5'-4" segment of wall.

DOC Response: *This is correct. See photo below shows existing conditions:*



68. Phase 2 Question, Detail 7/A5.01 includes the new construction requirements associated with two new AHU duct curbs. However, this detail does not define any requirements associated with the materials needed to actually build these curbs. Please advise.

DOC Response: *Existing mechanical curb to remain. See response to question 66.*

69. Phase 2 Questions, The new roof assembly NR04 on Sheet A0.02 does not call for a new underlayment. However, Details 7, 9, and 10 on Sheet A5.01 all apply to NR04 and they all call for a new underlayment while new roof assembly NR04 as defined by Sheet A0.02 does not. Which is correct?

DOC Response: *Roof assembly NR04 is correct as shown. SAM underlayment is not required. Detail 7/A5.01 shows SAM applied to the faces of mechanical curb is required and should be terminated on the face of existing insulated panels as shown.*

70. Phase 2 Questions, Detail 7/A5.01 calls for stainless steel curb cap flashing while Detail 9/A5.01 (both details apply to the same curb) calls for galvanized cap flashing. Which is correct?

DOC Response: *Stainless Steel is required per detail 7/A5.01. Revise detail 9/A5.01 accordingly.*

71. Phase 2 Question, Section 11 81 29 1.04 A. states: "All components, including user equipment, shall be included, to provide a complete and fully operational system." User equipment would imply that the general contractor is responsible for providing harnesses, retractable lanyards, etc. for DOC maintenance personnel to wear when performing maintenance in the future. In our experience, this would be an extremely unusual requirement for the general contractor's construction costs to also include safety gear for its maintenance personnel. Please verify whether this was the intent.

DOC Response: *Specification requirements are correctly stated. Contractor is required to provide final system design (deferred submittal as indicated). Specification section requirement is to assure accessory user equipment is appropriately sized and aligns with the final approved safety layout.*

72. Phase 2 Question, Keynote 11 on Sheet AD2.01 states "Existing insulated metal panels to remain in place. Demo flashing and trims per details." However, the new construction details (such as Detail 1/A5.01) show the new roof hugger rails installed within the existing insulated metal panels scheduled to remain. So if the roof hugger rails are to be installed within the same plane as the insulated metal panels in order to install as shown, then shouldn't there be additional abatement/demo work required to cut and remove sections of insulated metal panels where the hugger rails must be installed?

DOC Response: *Roof hugger rails are shown on top of the existing insulated metal panels to remain. Gray area shown represents the standing seams and cap on top of panels. Reference structural drawings and manufacturers installation requirements for specific installation.*

73. Phase 2 Question, Detail 8/A5.01 calls for "New vent material." However there is no demo work scheduled to occur which seems to be required in order for the new vent material to be installed? Is there existing vent material that must be demolished first? Also, what are the material requirements for the new vent material?

DOC Response: *Delete this venting requirement from work.*

74. Phase 2 Question, Detail 8/A5.01 includes a note stating "Prefinished sheetmetal flashing on treated 4x blocking at 16" o.c." However, the flashing is drawn in dark bold linework while the blocking is grayed out (meaning that it's existing to remain) and is in the shape of a 2x12. Please clarify the requirements associated with the existing/new blocking pertaining to this detail.

DOC Response: *Demo work is related to the existing portions of failed PVC gutter, sheet metal flashing and metal roofing. 2x12 call out may be wider than actual width. See photo shown in response to question 68 showing this eave condition.*

75. Phase 2 Question, Detail 8/A5.01 includes a note stating "Existing plywood sheathing, replace damaged sheathing." Please provide an estimated quantity of the presumed amount of plywood requiring replacement as a basis of bid quantity.

DOC Response: *See response to question 62.*

76. Phase 2 Question, Detail 3/M0.21 calls for roof brace kits and "roof tie downs, see Arch." No roof brace kits nor roof tie downs are called for in the Architectural drawings for these three unit heater exhaust flues. Which drawings are correct, Architectural or Mechanical?

DOC Response: *Roof brace kits, or guy wires, should be provided per mechanical detail and installed per flue manufacturer shop drawings.*

77. Phase 2 Question, Sheet A2.01 indicates the presence of new snow diverters at (3) locations. However, Sheet M2.21 does not show any snow diverters at the locations called out in the Architectural drawings. Instead, Sheet M2.21 calls for "Snow diverter, see arch" at only (2) locations,

both of which are not scheduled to receive snow diverters according to the Architectural drawings. Which is correct?

DOC Response: *Both are correct, there should be snow diverters protecting both the plumbing VTR's and roof curbs.*

78. There are three new exhaust fans in the scope, and some reference to TAB and TAB report throughout the specifications, but I don't see a dedicated TAB specification. Is TAB of the three exhaust fans to be included in this project, and if so, can a specification be provided?

DOC Response: *See attached specification section 23 05 93 in addenda. Adjust Table of Contents accordingly.*

79. We cannot measure CFMs on upblast fans at the discharge, they will require a duct traverse if a suitable location is available or reading of all the attached grilles to obtain the fan totals. If TAB is required, are there any mechanical plans that show the interior duct work and grilles with CFMs for these fans?

DOC Response: *There is an existing duct in the fan room connected to sidewall (upblast configuration) fan EF-2 that could be used for a duct traverse. Duct size to be field verified.*

80. Please consider allowing an onside roll formed panel system as an additional option. If the onsite roll formed panel system is acceptable, it will allow roof panels to be fabricated and installed from eave to ridge with no panel splices.

DOC Response: *Onsite forming will be acceptable and encouraged based on the quality of forming equipment, experience of operators and independent panel testing compliance.*

81. Please Detail 8 Notes to replace damaged sheathing. Do you have an approximate square footage for this task?

DOC Response: *Assuming Phase 2 Detail 8/A5.01 – see response to question 62.*

82. Typically, what's the procedure to get manpower, tool, materials & equipment inside the secure areas daily?

DOC Response: *A materials laydown area will be provided inside the secure fence. Movement of materials, tools and manpower will need to be scheduled daily. A daily tool inventory will need to be kept to be shared with the security staff.*

83. Will the design team submit plans for approval and permits?

DOC Response: *The design team will submit the fire marshal review.*

84. What's the anticipated NTP date?

DOC Response: *October 31, 2025.*

Architect Drawing Revisions

1. Revision to Phase 1 Detail 1/A1.02

Change detail references as shown on the image below:



3. General revision to drawings

At all locations where prefinished metal flashing is to be installed over pressure treated wood - contractor to provide self-adhered weather barrier membrane (as specified in Section 07 25 00) between the two materials to isolate surfaces preventing chemically induced corrosion.

This addendum is considered part of the Invitation to Bid (ITB) and is to be acknowledged on your quote form.

Please contact me if you have any questions at michael.lim@alaska.gov or 907-465-6014.

Sincerely,

Michael Lim

Michael Lim
Procurement Manager

cc: John Gard, Facilities Manager I, DOC

Attachments:

1. Specification Section 08 53 13 Vinyl Windows
2. Specification Section 23 05 93 Testing, Adjusting, and Balancing for HVAC
3. Mechanical EF-2

End of Addendum

Total number of pages contained within this Addendum: 38 pages

VINYL WINDOWS

PART 1 - GENERAL

1.01 RELATED REQUIREMENTS

- A. Section 07 90 00 – “Joint Sealants”: Perimeter sealant and back-up materials.

1.02 REFERENCE STANDARDS

- A. FEMA Hurricane and Flood Mitigation Handbook for Public Facilities Fact Sheet 3.2: Wall Systems and Openings. Option 1: Stenghthen Windows and Option 2 Retrofit with Impact Resistant Glazing.
- B. AAMA/WDMA/CSA 101/I.S.2/A440 - North American Fenestration Standard/Specification for windows, doors, and skylights; 2011.
- C. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2009).
- D. ASTM E1105 - Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference; 2015.
- E. ASTM E1996 - Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes; 2014.
- F. ASTM E2112 - Standard Practice for Installation of Exterior Windows, Doors and Skylights; 2007.
- G. FS L-S-125 - Screening, Insect, Nonmetallic; Federal Specifications and Standards; Revision B, 1972.

1.03 PERFORMANCE REQUIREMENTS

- A. Vapor Seal: No vapor seal failure at interior static pressure of 1 inch, 72 degrees F, and 40 percent relative humidity.
- B. Water Leakage: None, when measured in accordance with ASTM E331.
- C. System Internal Drainage: Drain water entering joints, condensation occurring in glazing channels, or migrating moisture occurring within system, to the exterior by a weep drainage network.

- D. Air and Vapor Seal: Maintain continuous air barrier and vapor retarder throughout assembly, primarily in line with inside pane of glass and heel bead of glazing compound. Position thermal insulation on exterior surface of air barrier and vapor retarder.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene one week week before starting work of this section.

1.05 SUBMITTALS

- A. See Section 01000 – General Requirements, for submittal procedures.
- B. Shop Drawings: Indicate opening dimensions, framed opening tolerances, affected related work, and installation requirements.
- C. Manufacturer's Certificate: Certify that products of this section meet or exceed specified requirements.
- D. Grade Substantiation: Prior to submitting shop drawings or starting fabrication, submit one of the following showing compliance with specified grade:
 - 1. Evidence of AAMA Certification.
 - 2. Evidence of WDMA Certification.
 - 3. Evidence of CSA Certification.
 - 4. Test report(s) by independent testing agency itemizing compliance and acceptable to authorities having jurisdiction.
- E. Test Reports: Prior to submitting shop drawings or starting fabrication, submit test report(s) by independent testing agency showing compliance with performance requirements in excess of those prescribed by specified grade.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.
- B. Installer Qualifications: Company specializing in performing of type specified and with at least three years documented experience.
- C. Provide mockup of typical reinstallation for approval by the Architect prior to commencing with entire reinstallation.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Protect finished surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond when exposed to sunlight or weather.
- B. Jig, brace, and box the window frame assemblies for transport to minimize flexing of members or joints.

1.08 FIELD CONDITIONS

- A. Do not install sealants when ambient temperature is less than 40 degrees F.
- B. Maintain this minimum temperature during and after installation of sealants.

1.09 WARRANTY

- A. Correct defective Work within a five year period after Date of Substantial Completion.
- B. Provide five year manufacturer warranty for insulated glass units from seal failure, interpane dusting or misting, and replacement of same. Include coverage for degradation of color finish.

PART 2 - PRODUCTS

2.01 DESCRIPTION

- A. Vinyl Windows: Factory fabricated frame and sash members of extruded, hollow, ultra-violet-resistant, polyvinyl chloride (PVC) with integral color; with factory-installed glazing, hardware, related flashings, anchorage and attachment devices.
 - 1. Configuration: As indicated on drawings.
 - a. Product Type A – Fixed window in accordance with AAMA/WDMA/CSA 101/I.S.2/A440.
 - 2. Color: White.
 - 3. Size to fit openings with minimum clearance around perimeter of assembly providing necessary space for perimeter seals.
 - 4. Framing Members: Fusion welded corners and joints, with internal reinforcement where required for structural rigidity; concealed fasteners.

5. System Internal Drainage: Drain to exterior side by means of weep drainage network any water entering joints, condensation within glazing channel, or other migrating moisture within system.
 6. Glazing Stops, Trim, Flashings, and Accessory Pieces: Formed of rigid PVC, fitting tightly into frame assembly.
- B. Performance Requirements: Provide products that comply with the following:
1. Grade: AAMA/WDMA/CSA 101/I.S.2/A440 requirements for specific window type:
 - a. Performance Class (PC): R.
 2. Grade Substantiation: Either AAMA Certification Label or independent test report itemizing compliance will constitute acceptable evidence of compliance.
 3. Condensation Resistance Factor: CRF of 50, minimum, the lower value of the glass and frame window components and determined in accordance with AAMA 1503.

2.02 PERFORMANCE REQUIREMENTS

- A. Grade: AAMA/WDMA/CSA 101/I.S.2/A440 requirements for specific window type:
1. Performance Class (PC): R.
- B. Wind-Borne-Debris Resistance: Identical full-size glazed assembly without auxiliary protection, tested by independent agency and passed in accordance with ASTM E1996 for Wind Zone 4 - Additional Protection for Large and Small Missile impact and pressure cycling at design wind pressure.
- C. Condensation Resistance Factor: CRF of 50, minimum, the lower value of the glass and frame window components and determined in accordance with AAMA 1503.
- D. Overall Thermal Transmittance (U-value): 0.20, maximum, including glazing, measured on window sizes required for this project.

2.03 COMPONENTS

- A. Glazing: Insulated triple pane, annealed glass, clear, low-E coated, argon filled, with glass thicknesses as recommended by manufacturer for specified wind conditions and acoustic rating indicated.

- B. Windows: Extruded, hollow, tubular, ultra-violet resistant polyvinyl chloride (PVC) with integral color; factory fabricated; with vision glass, related flashings, anchorage and attachment devices.
 - 1. Performance Requirements: AAMA/NWWDA 101/I.S.2 R15.
 - 2. Configuration: Fixed, non-operable, outward opening, side hinged, and horizontal sliding sash.
- C. Frame Depth: 2-11/16 inch.
- D. Sealants for Setting Window Sill Pan Flashing: Provide butyl tape, non-hardening butyl, polyurethane, or silicone sealant; in compliance with ASTM E2112 installation practices.

2.04 SEALANT MATERIALS

- A. Perimeter Sealant and Backing Materials: Type as specified in Section 07 90 05.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify wall openings and adjoining air and vapor seal materials are ready to receive this work.

3.02 INSTALLATION

- A. Install window unit assemblies in accordance with manufacturers instructions and applicable building codes.
- B. Attach window frame and shims to perimeter opening to accommodate construction tolerances and other irregularities as necessary.
- C. Align window plumb and level, free of warp or twist, and maintain dimensional tolerances and alignment with adjacent work.
- D. Provide thermal isolation where components penetrate or disrupt building insulation. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- E. Coordinate attachment flexible window opening flashing and seal of perimeter air and vapor barrier materials.

- F. Install perimeter sealant and backing materials in accordance with Section 07 90 05.

3.03 ERECTION TOLERANCES

- A. Maximum Variation from Level or Plumb: 0.06 inches every 3 ft non-cumulative or 0.5 inches per 100 ft, whichever is less.

3.04 FIELD QUALITY CONTROL

- A. Test installed windows for compliance with performance requirements for water penetration, in accordance with ASTM E1105 using uniform pressure and same pressure difference as specified for laboratory tests.
 - 1. If any window fails, test additional windows at Contractor's expense.
- B. Replace windows that have failed field testing and retest until performance is satisfactory.

3.05 CLEANING

- A. Remove protective material from pre-finished surfaces.
- B. Wash surfaces by method recommended and acceptable to window manufacturer; rinse and wipe surfaces clean.
- C. Remove excess glazing sealant by moderate use of mineral spirits or other solvent acceptable to sealant manufacturer and appropriate for application indicated.

END OF SECTION

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TESTING, ADJUSTING, AND BALANCING FOR HVAC

PART 1 - GENERAL

1.1 WORK INCLUDED

- A. Air Systems:
 - 1. Constant Volume Air Systems.

1.2 SCOPE

- A. Furnish the professional services of a qualified and approved balancing and testing firm to perform the work of this specification section.
- B. The work of this section includes but is not necessarily limited to:
 - 1. Testing and balancing existing hydronic heating and ventilation systems as indicated on drawings.
 - 2. Testing and balancing fans and air handling systems.
- C. The work of this section does not include:
 - 1. Adjusting burners for proper combustion operation.
 - 2. Liquid waste transfer system adjustment.
 - 3. Fire protection systems.

1.3 APPLICABLE CODES AND STANDARDS

- A. SMACNA Manual for the Balancing and Adjustment of Air Distribution Systems.
- B. AMCA Publication 203, Field Performance Measurements.
- C. American Air Balancing Council (AABC) Recommended Procedures
- D. National Environmental Balancing Bureau (NEBB) Recommended Procedures

1.4 QUALIFICATION OF THE BALANCING FIRM OR COMPANY

- A. Subcontractor minimum qualifications include:
 - 1. NEBB Certified in Testing, Adjusting and Balancing of Air and Hydronic Systems or Demonstration of satisfactory completion of five projects of similar scope in the State of Alaska during the past five years. Provide references if requested.

1.5 TIMING OF WORK

- A. Do not begin balancing and testing until the systems, including controls, are completed and in full working order.
- B. Schedule the testing and balancing work in cooperation with other trades.
- C. Complete the testing and balancing at least one week before the date of substantial completion and before any occupancy occurs

1.6 CONTRACTOR RESPONSIBILITY TO BALANCING AGENCY

- A. Award the test and balance contract to an approved firm or company upon receipt of contract to allow the Balance and Testing Agency to schedule this work in cooperation with other trades involved and comply with completion date.
- B. Put all heating, ventilating and air conditioning systems, equipment and controls into full operation for the Balancing Agency and continue the operation of same during each working day of testing balancing.
- C. Provide scaffolding, ladders and access to each system for proper testing balancing.
- D. Ensure that the building enclosure is complete, including but not limited to, structural components, windows and doors installed, door hardware complete, ceilings complete, stair, elevator and mechanical shafts complete, roof systems complete, all plenums sealed, etc.
- E. Make any changes in pulleys, belts and dampers, or add any dampers as required for correct balance as recommended by the Balance and Testing Agency at no additional cost to the Owner.
- F. Complete installation, programming (including design parameters and graphics), calibration, and startup of all building control systems.
- G. Require that the building control system firm provide access to hardware and software, or onsite technical support required to assist the TAB effort. The hardware and software or the onsite technical support shall be provided at no cost to the TAB firm.

1.7 REPORT

- A. Certified Reports shall be included in project O & M manuals. Reports shall include: testing, adjusting, and balancing reports bearing the signature of the Test and Balance Agency Representative. The reports shall be certified proof that the systems have been tested, adjusted, and balanced in accordance with the referenced standards; are an

TESTING, ADJUSTING, AND BALANCING FOR HVAC

Division 23

Section 23 05 93

accurate representation of how the systems have been installed; are a true representation of how the systems are operating at the completion of the testing, adjusting and balancing procedures; and are an accurate record of all final quantities measured, to establish normal operating values of the system. Follow the procedures and format specified below:

1. Draft Reports: Upon completion of testing, adjusting and balancing procedures, prepare draft reports on the approved forms. Draft reports may be hand written, but must be complete, factual, accurate, and legible. Organize and format draft reports in the same manner specified for the final reports.
2. Final Reports: Upon verification and approval of the draft report; prepare final reports, typewritten, organized and formatted as specified below.
3. Report Format: Report forms shall be those standard forms prepared by the referenced standard for each respective item and system to be tested, adjusted and balanced. Report shall be provided in electronic PDF Format. The data in the electronic file shall be arranged and indexed. Divide the contents into the below listed sections, with bookmarks for each section:
 - a. General Information and Summary.
 - b. Air Systems.
 - c. System Deficiency Reports and Corrective Actions.
4. Report Contents: Provide the following minimum information, forms and data:
 - a. General Information and Summary: Inside cover sheet to identify testing, adjusting, and balancing agency; contractor; owner, architect, engineer and project. Include addresses, contact names and telephone numbers. Also, include a certification sheet containing the name, address, telephone number and signature of the Certified Test and Balance Personnel. Include in this division a listing of the instrumentation used for the procedures along with the proof of calibration.
 - b. The remainder of the report shall contain the appropriate forms containing as a minimum, the information indicated on the standard report forms prepared by the AABC for each respective item and system. Prepare a schematic diagram for each item of equipment and system to accompany each respective report form.
 - c. Calibration Reports: Submit proof that all required instrumentation has been calibrated to tolerances specified in the referenced standards, within a period of six months prior to starting the project.

1.8 SUBMITTALS

- A. Submit in accordance with Division 01.
- B. Submit balancing agency qualifications and sample balancing forms.
- C. Provide list of equipment to be used and date of last calibration.
- D. Submit preliminary balance report a minimum of one week prior to substantial completion inspection.

PART 2 - PRODUCTS

2.1 INSTRUMENTS

- A. Maintain all instruments accurately calibrated and in good working order. Use instruments with the following minimum performance characteristics.
 - 1. Air Velocity Instruments: Direct reading in feet per minute, 2% accuracy.
 - 2. Static Pressure Instruments: Direct reading in inches' water gauge, 2% accuracy.

PART 3 - EXECUTION

3.1 GENERAL PROCEDURES FOR ALL SYSTEMS

- A. Start with new, clean filters.
- B. In cooperation with the control manufacturer's representative, coordinate adjustments of automatically operated dampers and valves to operate as specified, indicated and/or noted.
- C. Use manufacturer's ratings on all equipment to make required calculations.
- D. Make final adjustments for each space per heating or cooling comfort requirement. State reason for variance from design CFM, i.e., "too noisy", "drafty", etc.
- E. Mark equipment and balancing device settings (including damper-control positions, valve position indicators, fan-speed-controls, and similar controls and devices) with paint or other suitable permanent identification material to show final settings.

3.2 BALANCING LOW VELOCITY CONSTANT VOLUME DUCTWORK

- A. Adjust the fan for design airflow.

END OF SECTION

Model: CUE-070-VG

Centrifugal Direct Drive Wall Exhaust Fan

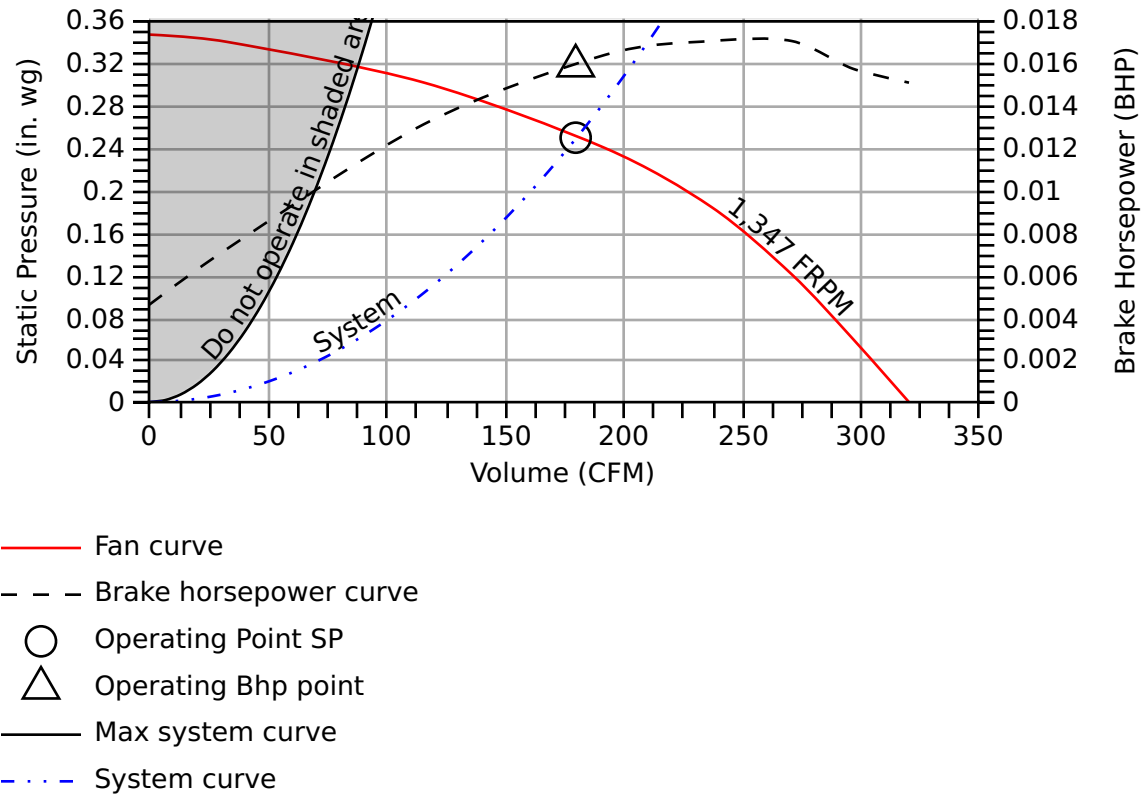
Standard Construction Features: Aluminum housing. Centrifugal backward inclined aluminum (composite for sizes 60-95) wheel. Direct driven motor mounted on vibration isolation.

Certifications/special requirements: High Wind Rated

Fan Configuration	
Drive type	Direct

Performance	
Requested Volume (CFM)	180
Actual Volume (CFM)	180
Total External SP (in. wg)	0.25
Fan RPM	1,347
Operating Power (bhp)	0.02
Startup Power (bhp)	0.02
FEI	-
Air Stream Temp (F)	70
Start-up Temp (F)	70
Air Density (lbs/ft^3)	0.075
Static Efficiency (%)	45
Outlet Velocity (ft/min)	462

Motor	
Size (hp)	1/15
V/C/P	115/60/1
NEC FLA (Amps)	1.3
Min Circuit Ampacity (MCA)	1.6
Max Overload Production (MOP)	15
Short Circuit Current Rating (SCCR)	5 kA



Sound

	Octave Bands (hz)								LwA	dBA	Sones
	62.5	125	250	500	1000	2000	4000	8000			
Inlet	64	64	58	45	38	36	33	29	53	41	2.9

FLA - based on tables 150 or 148 of National Electric Code 2002. Actual motor FLA may vary, for sizing thermal overload, consult factory. MCA and MOP values shown only account for the motor, not accessories (damper actuator, field supplied VFD, etc.).

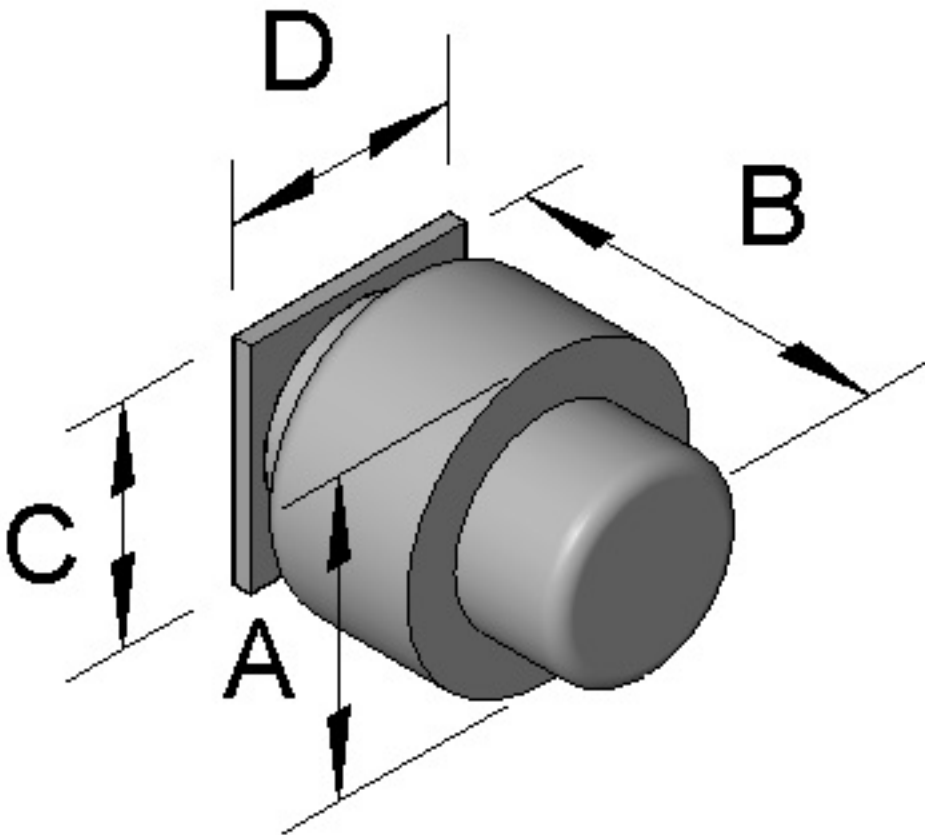
SCCR is a rating on components and assemblies representing the maximum level of short-circuit current that a component or assembly can withstand without causing a fire or shock hazard. A short circuit exceeding this rating can cause catastrophic and violent equipment, component and enclosure failure.



Greenheck Fan Corporation certifies that the model shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA certified ratings seal applies to sound and air performance ratings only. Performance certified is for installation type A: Free inlet, free outlet. Power rating does not include transmission losses. Performance ratings do not include the effects of appurtenances. The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per ANSI/AMCA Standard 301. Values shown are for Installation Type A: free inlet hemispherical sone levels. dBA levels are not licensed by AMCA International. The AMCA Certified Ratings Seal for Sound applies to inlet sone ratings only.



Dimensions and Weights		
Label	Value	Description
-	8.125	Impeller Diameter (in)
-	51	Weight w/o accessories (lbs)
A	20	Overall Height (in)
B	18	Overall Width (in)
C	17	Mounting Cap Height (in)
D	17	Mounting Cap Width (in)
-	13	Wall Opening Width (in)
-	13	Wall Opening Height (in)



*All dimensions are in inches.

DEPARTMENT OF CORRECTIONS
PLANHOLDERS LIST

PROJECT NAME: PCC Campus Wide Roof Replacement, Phase 1 & 2		PROJECT NUMBER(S): 240002938-2943			
PROJECT MANAGER: John Gard		ADVERTISING DATE: 1/29/2024		BID DUE DATE:	
COMPANY/ADDRESS/PHONE/EMAIL		DATE	NO. OF SETS	*TYPE*	ADD/RPT OTHER
COMPANY NAME: Absolute Services Inc					
POC: Wade Lewis Jr					
PHYSICAL ADDRESS:					
MAILING ADDRESS:					
PHONE: 907-748-3000 - Cell		Email wade@absoluteenv.com			
COMPANY NAME: Airtest					
POC: Brandon Hyslip					
PHYSICAL ADDRESS:					
MAILING ADDRESS:					
PHONE: 907-315-7031 - Cell		Email bhyslip@airtest.us			
COMPANY NAME: Alaska Air Balancing					
POC: Jason Garner					
PHYSICAL ADDRESS:					
MAILING ADDRESS:					
PHONE: 907-746-1090		Email: jason@alaskaairbalancing.com			

**** G (GENERAL)
A (AGENCY)

S (SUBCONTRACTOR)
C (CONSULTANT)

SP (SUPPLIER)
P (PLANROOM)

DEPARTMENT OF CORRECTIONS
PLANHOLDERS LIST

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PROJECT MANAGER: John Gard		ADVERTISING DATE: 1/29/2024		BID DUE DATE:	
COMPANY/ADDRESS/PHONE/EMAIL		DATE ISSUED	NO. OF SETS	*TYPE*	ADD/RPT OTHER
COMPANY NAME: Alaska Mechanical Inc					
POC: Thomas Cupp					
PHYSICAL ADDRESS:	8540 Diamond D Cir.				
MAILING ADDRESS:					
PHONE: 907-317-2686	Email: tom@ami-alaska.com				
COMPANY NAME: Anchorage Roofing & Contracting					
POC: Rick Purcella					
PHYSICAL ADDRESS:					
MAILING ADDRESS:					
PHONE: 907-360-4847	Email: ari-rick@alaskan.com				
COMPANY NAME: ASC Building Products					
POC: Todd Meixner					
PHYSICAL ADDRESS:	2441 Cinnabar Loop, Anchorage, Alaska 99507				
MAILING ADDRESS:					
PHONE: 907-267-3004	Email: todd.meixner@ascprofiles.com				

**** G (GENERAL)
A (AGENCY)

S (SUBCONTRACTOR)
C (CONSULTANT)

SP (SUPPLIER)
P (PLANROOM)

DEPARTMENT OF CORRECTIONS
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PROJECT MANAGER: John Gard			ADVERTISING DATE: 1/29/2024			BID DUE DATE:	
COMPANY/ADDRESS/PHONE/EMAIL				DATE ISSUED	NO. OF SETS	*TYPE*	ADD/RPT OTHER
COMPANY NAME: Eklutna Construction & Maintenance LLC							
POC: Roger Denny							
PHYSICAL ADDRESS:							
MAILING ADDRESS:							
PHONE: 907-227-7188 - Cell		Email: rdenny@eklutnainc.com					
COMPANY NAME: Guardian							
POC: Julie Shoffner							
PHYSICAL ADDRESS:							
MAILING ADDRESS:							
PHONE: 614-338-5875		Email: julie.shoffner@guardianfall.com					
COMPANY NAME: H Construction							
POC: Joseph Hale							
PHYSICAL ADDRESS:							
MAILING ADDRESS:							
PHONE:		Email: office@hconstruction.com					

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C (CONSULTANT)

SP (SUPPLIER)
P (PLANROOM)

DEPARTMENT OF CORRECTIONS
PLANHOLDERS LIST

PROJECT NAME: PCC Campus Wide Roof Replacement, Phase 1 & 2				PROJECT NUMBER(S): 240002938-2943			
PROJECT MANAGER: John Gard				ADVERTISING DATE: 1/29/2024		BID DUE DATE:	
COMPANY/ADDRESS/PHONE/EMAIL				DATE ISSUED	NO. OF SETS	*TYPE*	ADD/RPT OTHER
COMPANY NAME: H5 Construction							
POC: Jerad Hacker							
PHYSICAL ADDRESS:		1500 E. Bogard Rd, Wasilla, Ak 99654					
MAILING ADDRESS:							
PHONE: 907-357-4711		Email jerad@h5construction.com					
COMPANY NAME: Interior Alaska Roofing							
POC: Sydney Herrera							
PHYSICAL ADDRESS:		3790 Schacht Street, Fairbanks, AK 99701					
MAILING ADDRESS:							
PHONE: 907-456-5545		Email sydney@usacom.org					
COMPANY NAME: International Mechanical							
POC: Taylor Johnson							
PHYSICAL ADDRESS:							
MAILING ADDRESS:							
PHONE: 907-301-4849		Email tjohnson@imialaska.com					

ADDENDA WILL BE MAILED TO THE ABOVE ADDRESSES OR DELIVERED VIA COURIER TO THE PHYSICAL ADDRESS - PLEASE BE SURE IT IS COMPLETE AND ACCURATE - FAILURE TO RECEIVE AND ACKNOWLEDGE AN ADDENDUM MAY RESULT IN THE PROPOSAL BEING DECLARED NON-RESPONSIVE.

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COMPANY/ADDRESS/PHONE/EMAIL		DATE ISSUED	NO. OF SETS	*TYPE*	ADD/RPT OTHER
COMPANY NAME: JGH Plumbing & Heating Inc					
POC: Ken Hendrickson					
PHYSICAL ADDRESS:	2040 S Eklutna St, Palmer, Alaska 99645				
MAILING ADDRESS:					
PHONE: 907-745-7937		Email ken@jghinc.net			
COMPANY NAME: Rain Proof Roofing					
POC: John Birchfield					
PHYSICAL ADDRESS:					
MAILING ADDRESS:					
PHONE:		Email jbirchfield@rainproofroofing.com			
COMPANY NAME: Roger Hickel Contracting					
POC: Alexandra Pettes					
PHYSICAL ADDRESS:	11001 Calaska Circle, Anchorage Alaska 99515				
MAILING ADDRESS:					
PHONE: 907-279-1400		Email apettes@rhcak.com			

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COMPANY/ADDRESS/PHONE/EMAIL						DATE ISSUED	NO. OF SETS	*TYPE*	ADD/RPT OTHER
COMPANY NAME: Satori Group									
POC: Anna Scheiner									
PHYSICAL ADDRESS:									
MAILING ADDRESS:									
PHONE: 907-332-0456		Email ascheiner@gosatori.com							
COMPANY NAME: Stienbaugh & Company									
POC: SueEllen Bontrager									
PHYSICAL ADDRESS:									
MAILING ADDRESS:									
PHONE: 907-264-6009		Email quotes@stinebaugh.com							
COMPANY NAME: YH Constructors									
POC: Nolan Youngmun									
PHYSICAL ADDRESS:									
MAILING ADDRESS:									
PHONE: 907-602-6348		Email nyoungmun@yhconstructors.com							

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PROJECT MANAGER: John Gard				ADVERTISING DATE: 1/29/2024				BID DUE DATE:		
COMPANY/ADDRESS/PHONE/EMAIL							DATE ISSUED	NO. OF SETS	*TYPE*	ADD/RPT OTHER
COMPANY NAME: Dodge Construction Network										
POC: Angelo Duran										
PHYSICAL ADDRESS:										
MAILING ADDRESS:										
PHONE: 513-458-5869		Email angelo.duran@constructconnect.com								
COMPANY NAME:										
POC:										
PHYSICAL ADDRESS:										
MAILING ADDRESS:										
PHONE:		Email								
COMPANY NAME:										
POC:										
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