WEINSTEIN A+U

2200 Western Avenue, Suite 301, Seattle, WA 98121
206.443.8606
weinsteinau.com

ADDENDUM 04

Project Name: South King Fire Administrative Building Improvements
Owner: South King Fire
Issued by: Lauren Rock, Weinstein A+U
Issue Date: May 30, 2025

To All Bidders: Attention is called to the following items effective May 30, 2025, which shall be added to, deleted from, or changed from the Contract Documents, thereby incorporating the addendum as part of the Contract Documents.
Please note: Outstanding Questions and/or Substitution Requests received by the published deadline and not addressed below, will be addressed in Addendum-05 on June 3, 2025.

Attachments:

Documents:
Asbestos and Lead Paint Build Sampling Survey Report

Sheets:
A921 Finish Schedule-R01
M002 Mechanical Schedules-R01
E100 Legend-R02
E4B1 Proposed Floor Plan – Garage - Comm, ESS-R02

Specifications:
03 54 13 Gypsum Cement Underlayment-R01
09 84 33 Sound Absorbing Wall Panels and Movable Screens
10 11 00 Visual Display Units
11 30 13 Residential Appliances

Approved Substitution Requests:
08 41 13 Aluminum Framed Entrances and Storefronts – Arcadia Storefront System
08 41 13 Aluminum Framed Entrances and Storefronts – Arcadia Swinging Entrance Door Systems
23 09 00 Controls – Trane Tracer SC+
23 37 13.13/23 – Air Diffusers, Registers, Grilles - Tuttle & Bailey SQD, CRE, Airtrac
23 72 23 Packaged Indoor Energy Recovery Ventilators – Valent ERC
26 51 00 Interior Lighting – SeaTac Lighting

Rejected Substitution Requests:
26 09 23 Lighting Control System – Intelligent Lighting Controls

Drawing Items (changes have been clouded)

A921	Added Roller Shades and Appliances, added Shower base and Shower enclosure information.
M002	Updated schedules with DOAS efficiencies.

E100	Corrected definitions for electric lock and door switch symbols in Legend.
E4B1	Deleted CCTV camera in (E) Storage G04.

Specification Items (changes have been tracked)

03 54 13	Section 2.3: Removed Sound Mat.
09 84 33	Section added.
10 11 00	Section added.
11 30 13	Appliance IDs added to correspond with drawings and Finish Schedule.

Questions

01. Question: The 1984 plans show ¾" Gypcrete floor. The new horizontal assembly shows 1-1/4" gypcrete. Will the existing ¾" gypcrete need to be demoed before the new 1-1/4" Gypcrete is poured?

Answer: Existing Wood Truss Floor Assembly is existing to remain, no new gypcrete is intended at existing locations, UNO.

02. Question: Spec section 035413, 2.3.A. calls out Maxxon Acoustic Mat ¼ OR Keene Building Products Quiet Qurl 025 MT Muffling Technology, the horizontal assemblies page does not show sound mat. Is sound mat required?

Answer: Sound mat is not required. Spec has been revised.

03. Question: Refrigerators in the plans indicate REF-1, 2, 3, & 4. Specification section 113013 does not identify which of the refrigerator or bottle chillers are designated as such. Please specify.

Answer: Finish Schedule on A921 has been revised to include product information for Appliances and corresponding IDs have been added to specification 11 30 13.

04. Question: Please provide specification sections for tackable wall coverings (WC-6) as well as felt panels (WC-1,2,3,4,5, & 5B).

Answer: Spec sections have been provided: 09 84 33 Sound-Absorbing Wall Panels and Movable Screens, and 10 11 00 Visual Display Units.

05. Question: Toilet accessories called out in the plans and specs are not clearly identified in the elevation or plan view drawings. Please illustrate the location and quantities of all accessory units. How many stalls are to receive coat hooks, sanitary napkin dispensers, toilet paper dispensers, etc.

Answer: Typical locations of toilet accessories are shown on sheets A515 and A516. BOD product information is provided on A921. Each stall in Women 123 and Women 223 will receive one each: coat hook, sanitary napkin disposal, toilet paper dispenser, seat cover dispenser. Assume each stall in Men 125 and Men 225 will receive one each: coat hook, toilet paper dispenser, seat cover dispenser.

06. Question: Are there any certification requirements for installing of the water line, FDC and post indicator valves on the civil plans?

Answer: Sheet C3.2, Construction General Note 1 requires conformance to Approved Lakehaven Standards. Lakehaven Water System standards, of which, Section W.5.B provides Pipe Installation requirements including Main filling, Flushing, Disinfection and hydrostatic pressure test.

Plan sheet C3.1 requires the Fire Connection and FDC in accordance with NFPA 24, of which, Section 10.10 includes testing and certification requirements.

07. Question: Our estimator reviewed the documents for WD-1 and WD-2 and noted that while the specifications don't mention FSC or PEFC, the finish schedule on the drawings specifies Hemlock to be PEFC-certified. Can you please confirm if we should price for FSC Material?

Answer: Per A921, WD-1 and WD-2 must be PEFC. Alternatively, FSC is also acceptable.

08. Question: Will the Owner be providing a Good Faith Survey? (Hazmat)

Answer: Please see attached Asbestos & Lead Paint survey report, as contracted by South King Fire.

09. Question: Is the 3'-3" x 5'-0" directional sign to be single sided or double sided?

Answer: The Directional Sign is single-sided, as indicated in 11/A003.

10. Question: Can you update the drawings to show the location of parking signs?

Answer: See locations indicated on C2.1.

11. Question: There are four different refrigerator callouts in the drawings. The specs list refrigerator, under counter refrigerator, and two under counter beverage centers. Please provide appliance schedule showing which refrigerator is to be used at each call out.

Answer: Sheet A921 has been revised to include product information for appliances.

12. Question: Detail 6/A514 graphically shows what looks to be a REF-1. Please confirm a refrigerator is required at this location.
Answer: Confirmed. See also A102.

13. Question: Drawing 921 (finish schedule) lists in section Wall Covering, WC-1 thru WC-6 (which are shown on interior elevations). This schedule provides the manufacturer, style, thickness, pattern and color; however there are no complete specifications for these wallcoverings. Please provide specifications if available.

Answer: Specification 09 84 33 Sound-Absorbing Wall Panels and Movable Screens has been provided.

14. Question: The basis of design is not a high speed coiling grille. it is a standard motor operated door. Please confirm is a high speed coiling grille is required and if so please update the model. With the low number of parking spots I would think a standard speed coiling grille would suffice as high speed are usually for high occupancy parking structures to move cars in and more quickly.

Answer: Confirmed BOD is standard speed overhead coiling grille. High-speed coiling grille not required.

Substitution Requests – APPROVED

Note: Acceptance of Substitution Requests does not relieve the contractor from meeting any requirements of the bid document specifications. Submitted Substitution Request Forms are attached for reference.

01. The following manufacturers/products are *approved* for 08 41 13 Aluminum Framed Entrances and Storefronts:

- Arcadia Storefront System and Swinging Entrance Door Systems

02. The following manufacturers/products are *approved* for 23 09 00 Controls:

- Trane Tracer SC+ with Synchrony

03. The following manufacturers/products are *approved* for 23 37 13.13/23 Air Diffusers, Registers, Grilles:

- Tuttle & Bailey SQD, CRE, Airtrac

04. The following manufacturers/products are *approved* for 23 72 23 Packaged Indoor Energy Recovery Ventilators:

- Valent ERC

04. The following manufacturers/products are *approved as noted* for 26 51 00 Interior Lighting:

- SeaTac Lighting package

Substitution Requests - REJECTED

05. The following manufacturers/products are *rejected* for 29 09 23 Lighting Control System:

- Intelligent Lighting Controls – see Addendum-01

End of Addendum 04.

Northwest Abatement Services, Inc.

"It's Not What We Do, It's How We Do It"

Asbestos & Lead Paint Survey

Project:
Asbestos & Lead Paint Survey
Interior Select Sampling ONLY
720 333rd St,
Federal Way, WA 98003

Prepared For:
South King Fire & Rescue
31617 1st Ave S,
Federal Way, WA 98003

Project Number: SR25-4498



PO Box 39220 9822 32nd Ave Ct S Lakewood, WA 98499 Phone: 253.588.0440 Fax: 253.588.0198 www.nwabatement.com

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SECTION 1 | Inspection Report

AHERA Certified Asbestos Survey / Inspection Report

05-23-2025

Prepared For: South King Fire & Rescue

Project: Asbestos and Lead Paint Survey
Interior Select Sampling ONLY
720 333rd St,
Federal Way, WA 98003

A. Background

On 05-19-2025, Northwest Abatement Services, Inc. performed an asbestos identification inspection which will serve as our report for all visible Asbestos Containing Building Materials located at the address listed above. The purpose of this inspection was to ascertain the presence of asbestos containing materials located in the structure and provide a report to conform to WAC 296-62-077, PSCAA Regulation III, Section 4 and 40 CFR 763 requirements for identification of asbestos. This survey also satisfies regulatory criteria established by OSHA's Department of Labor and Washington State's Department of Labor and Industries for identifying asbestos containing materials associated with the structure for future abatement and demolition. A copy of this report may be submitted to the appropriate agencies as proof that a survey was performed prior to any renovation or demolition. A copy of this report should also be given to the contractor and/or be maintained onsite during any abatement and demolition activities.

B. Sampling Methodology

Suspect materials were sampled by an AHERA (Asbestos Hazard Emergency Response Act) accredited inspector. Sample locations for this survey were chosen in a non-random fashion, with emphasis being placed on obtaining samples of each type of accessible, suspect material, while minimizing damage to the material being sampled. Samples were collected by carefully removing small portions of the suspect material in a non-abrasive manner. If possible, samples were collected from existing damaged areas.

Friable materials are materials which can be crushed, pulverized, or reduced to powder by hand pressure or by the forces expected to act upon the material in the course of the demolition process. Such material includes, but is not limited to, thermal system insulation, surfacing material, sheet-vinyl flooring with paper-like backing, and cement asbestos products. These materials were wetted with amended water prior to sampling to protect the inspector from potential exposure or accidental fiber release. PPE (personal protective clothing) will only be utilized at the inspector's discretion. A particular suspect material may be located in various separate places throughout the structure.

The EPA does not require that these materials be sampled in each location. Suspect materials of the same type, age, appearance have the same date of installation, and are sampled in accordance with AHERA requirements, must provide statistically reliable data which can be extrapolated on all remaining non sampled areas.

AHERA Protocol determines the number of samples of each material to be collected, depending on it's category and amount of material present. The goal of AHERA is to ensure statistically reliable data and it accomplishes this by requiring or suggesting a minimum number of samples to be collected, and in some cases, by using random sampling techniques to determine sampling locations. However, in every case, AHERA relies on the judgment of the inspectors who are experienced in AHERA methodology and the type of facilities being inspected. (see appendix A at end of the report)

After identifying the suspect materials, bulk samples were collected and taken to an asbestos laboratory to be analyzed for the amount of asbestos and, the type of asbestos, if any. The asbestos samples were analyzed using Polarized Light Microscopy (PLM), stain dispersion staining techniques in accordance with the EPA Method 600/R-93/166, which has a reliable limit of quantification of one percent asbestos by volume.

C. AHERA Certified Inspector Information

The Certified AHERA Inspector was Kamron Riser.
Certification #:NES-BII-20240612-06, Expiration 06/12/25

The Certified RRP Inspector was Kamron Riser.
Certification #: R-I-9055WA-24-017, Expiration 08/23/29

D. Survey Findings

There was a total of twenty-three suspect asbestos containing building materials (bulk samples) and four suspect lead containing materials removed from the structure listed above, for lab analysis. Based on the field inspection, homogenization of materials, and the results of the lab analysis**, Zero** of the twenty-three sample tested **Positive** for Asbestos:

Sample Number	Material	Asbestos Content	Quantity

The following Suspect **LEAD** (Lead Containing Material) sampled for analysis are **BELOW the HUD definition of 0.5%** by weight for lead-based paint and are as follows: See the full attached laboratory report (25033066)

Sample Number	Material	Location
4	Paint	Main Floor SE Corner
9	Paint	Main Floor Central
12	Paint	Room D105
16	Paint	Basement

The following Suspect **LEAD** (Lead Containing Material) sampled for analysis are **ABOVE the HUD definition of 0.5%** by weight for lead-based paint and are as follows: See the full attached laboratory report (25033066)

Sample Number	Material	Location

E. Building Description

The structure is located at – 720 333rd St, Federal Way, WA 98003

The structure has a description of – Finished walls and ceilings, carpet and VCT flooring throughout.

Note: *All suspect ACM finishes were sampled and tested according to AHERA Protocol.* (See appendix A)

The suspect ACM (asbestos containing materials) and paint sampled for analysis are as follows:

Sample Number	Material	Location
1	Wallboard	Main Floor SE Corner
1A	Joint Compound	Main Floor SE Corner
1B	Texture	Main Floor SE Corner
2	Ceiling Tile	Main Floor SE Corner
3	Mastic, Cove Base	Main Floor SE Corner
5	Wallboard	Main Floor Central
5A	Joint Compound	Main Floor Central
5B	Texture	Main Floor Central
6	Leveling Compound	Main Floor Central
7	VCT	Room D105
7A	Mastic	Room D105
8	Wallboard	Room D105
8A	Joint Compound	Room D105
8B	Texture	Room D105
10	Mastic, Carpet	Room D108
11	Wallboard	Room D108
11A	Joint Compound	Room D108
11B	Texture	Room D108
13	Leveling Compound	Main Floor Hall Water Heater Closet
14	Wallboard	Basement Electrical Room
14A	Joint Compound	Basement Electrical Room
15	Ceiling Board	Basement Ceiling
15A	Ceiling Panel	Basement Ceiling

F. Conclusion

Laboratory results did not show any asbestos in the samples tested. No abatement is required unless discovery of suspect materials. *Prior to any demolition or renovation, all friable and non-friable asbestos containing materials (ACM) are to be removed and disposed of in accordance with applicable Federal, State and Local regulations. If there is any asbestos containing materials left on site, that will not be disturbed during the renovation or demolition process, an Asbestos Operational and Maintenance Program (OM) is to be developed and implemented to monitor the remaining ACM.*

In the event any suspect materials are detected during the demolition of this structure, you will need to cease all demolition activities and have these materials sampled for Asbestos.

The Puget Sound Clean Air Authority requires that all materials that contain 1% or more Asbestos, that these materials be removed by a licensed and Certified Asbestos removal contractor, prior to any demolition or renovation.
The abatement contractor should provide the Owner with copies of all required notifications to PSCAA and the Department of Labor and Industries.

A certification letter will need to be obtained from the abatement contractor prior to applying for a demolition permit with PSCAA.
PSCAA will also want to see a copy of the asbestos survey.

Although extreme thoroughness and expertise were exercised to ensure the completeness of this survey, existing conditions may have prevented the discovery of other suspect asbestos containing material. NW Abatement Services, Inc. is not responsible for materials that may be hidden from sight and cannot be discovered with reasonable diligence. Any suspect material not covered in this survey that is encountered during the renovation or demolition procedure should be verified by analysis prior to disturbance.

It should be noted that this survey was conducted only to ascertain the presence of asbestos & lead containing materials.

There was no survey conducted by NW Abatement Services, Inc. to determine the presence of PCB material (ballast, etc.), UST's, radon gas or any other hazardous material that may be present onsite.

This report has been prepared for the sole use of our client and its representatives for this project only. The analyses, conclusions and recommendations presented in this report are based upon conditions encountered at the time of our survey only. The scope of services performed during this survey may not be appropriate for the needs of others. Re-use of this document or the findings, conclusions or recommendations presented herein, are at the sole risk of said user. NW Abatement Services, Inc. cannot be held responsible for the interpretation by others of the data contained in this report.

The conclusions presented in this report were based on the results of sample analysis presented by a subcontracted, third party, analytical laboratory. Northwest Abatement Services, Inc. is not responsible for variations in analytical results or inaccuracies resulting from laboratory analysis.

This survey is not intended for use as abatement plans and/or specifications. Northwest Abatement Services, Inc. recommends that professional plans and specifications be prepared for all large-scale projects.

No warranty, expressed or implied, is made.
If you have any questions regarding this asbestos survey/inspection report, please contact us at (253) 588-0440, or FAX: (253) 588-0198.

Respectfully submitted,

Kamron Riser

Kamron Riser
Certified AHERA Inspector
NORTHWEST ABATEMENT SERVICES, INC.

Appendix A

The following AHERA protocol was used in determining the number of suspect samples to collect:

Surfacing materials:

1) Homogeneous area equal to or less than 1000 SF (minimum 3 samples).
2) Homogeneous area greater than 1000 SF but less than 5000 SF. (5 samples)
3) Homogeneous area greater than 5000 SF. (7 samples)

Thermal Systems Insulation (TSI):

1) Homogeneous area (1 per each type of suspect materials).

Miscellaneous materials:

1) Homogeneous area (1 per each type of suspect materials)

Suspect Materials are divided into 3 categories:

1) **Surfacing materials –** ACM sprayed or troweled on surfaces (walls, ceilings, and structural members) for acoustical, decorative, thermal insulation or fireproofing purposes. Examples include plaster, popcorn textured ceilings, skim coat textures, and structural fireproofing.

2) **Thermal System Insulation –** Insulation used to inhibit heat transfer or prevent condensation on pipes, boilers, tanks, ducts, and various other components of hot and cold water systems, and heating, ventilation, and air conditioning (HVAC) systems. Examples include pipe lagging, pipe wrap; block, batt, and blanket insulation; cement and "muds" and a variety of other products such as gaskets and ropes.

3) **Miscellaneous Materials –** Materials not classified under surfacing materials or thermal systems insulation. Examples include: floor tile, ceiling tile, roofing felts, concrete piping, outdoor siding and fabrics, glazing putty, wall board and associated assembly component, various mastics, etc. such as floor tile mastics, wall board mastics, ceiling tile mastics etc.

SECTION 2 | Laboratory Results

SanAir Technologies Laboratory

The Identification Specialists

Analysis Report
prepared for
Northwest Abatement Services, Inc.

Report Date: 5/22/2025

Project Name: 720 333rd St, Federal Way

Project #: SR25-4498

SanAir ID#: 25033071

NVLAP TESTING

NVLAP LAB CODE 200870-0

10501 Trade Court, North Chesterfield, Virginia 23236
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | LabReports@SanAir.com | SanAir.com

SanAir ID Number
25033071
FINAL REPORT
5/22/2025 3:02:57 PM

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496
Phone: 253-588-0440

Project Number: SR25-4498
P.O. Number: SR25-4498
Project Name: 720 333rd St, Federal Way
Collected Date: 5/19/2025
Received Date: 5/22/2025 10:05:00 AM

Dear Kamron Riser,

We at SanAir would like to thank you for the work you recently submitted. The 23 sample(s) were received on Thursday, May 22, 2025 via UPS. The final report(s) is enclosed for the following sample(s): 1, 1A, 1B, 2, 3, 5, 5A, 5B, 6, 7, 7A, 8, 8A, 8B, 10, 11, 11A, 11B, 13, 14, 14A, 15, 15A.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:
- 23 samples in Good condition.

SanAir Technologies Laboratory

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25033071
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P.O. Number: SR25-4498
Project Name: 720 333rd St, Federal Way
Collected Date: 5/19/2025
Received Date: 5/22/2025 10:05:00 AM

Analyst: Hogrefe, Sarah

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Components		
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
1 / 25033071-001 Wallboard/ Main Floor, SE Corner	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
1A / 25033071-002 Joint Compound/ Main Floor, SE Corner	White Non-Fibrous Homogeneous		100% Other	None Detected
1B / 25033071-003 Texture/ Main Floor, SE Corner	White Non-Fibrous Homogeneous		100% Other	None Detected
2 / 25033071-004 Ceiling Tile/ Main Floor, SE Corner	White Fibrous Homogeneous	60% Cellulose	40% Other	None Detected
3 / 25033071-005 Mastic, Cove Base/ Main Floor, SE Corner, Mastic	Tan Non-Fibrous Homogeneous		100% Other	None Detected
3 / 25033071-005 Mastic, Cove Base/ Main Floor, SE Corner, Cove Base	Grey Non-Fibrous Homogeneous		100% Other	None Detected
5 / 25033071-006 Wallboard/ Main Floor Central	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
5A / 25033071-007 Joint Compound/ Main Floor Central	White Non-Fibrous Homogeneous		100% Other	None Detected
5B / 25033071-008 Texture/ Main Floor Central	White Non-Fibrous Homogeneous		100% Other	None Detected
6 / 25033071-009 Leveling Compound/ Main Floor Central	White Non-Fibrous Heterogeneous		100% Other	None Detected

Analyst: 
Analysis Date: 5/22/2025

Approved Signatory: 
Date: 5/22/2025

SanAir Technologies Laboratory

SanAir ID Number
25033071
FINAL REPORT
5/22/2025 3:02:57 PM

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496
Phone: 253-588-0440

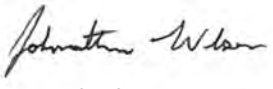
Project Number: SR25-4498
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Project Name: 720 333rd St, Federal Way
Collected Date: 5/19/2025
Received Date: 5/22/2025 10:05:00 AM

Analyst: Hogrefe, Sarah

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Components		
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
7 / 25033071-010 VCT/ Room D105	Grey Non-Fibrous Homogeneous		100% Other	None Detected
7A / 25033071-011 Mastic/ Room D105	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
8 / 25033071-012 Wallboard/ Room D105	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
8A / 25033071-013 Joint Compound/ Room D105	White Non-Fibrous Homogeneous		100% Other	None Detected
8B / 25033071-014 Texture/ Room D105	White Non-Fibrous Homogeneous		100% Other	None Detected
10 / 25033071-015 Mastic, Carpet/ Room D108, Mastic	Clear Non-Fibrous Homogeneous		100% Other	None Detected
10 / 25033071-015 Mastic, Carpet/ Room D108, Carpet	Blue Fibrous Heterogeneous	90% Synthetic	10% Other	None Detected
11 / 25033071-016 Wallboard/ Room D108	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
11A / 25033071-017 Joint Compound/ Room D108	White Non-Fibrous Homogeneous		100% Other	None Detected
11B / 25033071-018 Texture/ Room D108	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: 
Analysis Date: 5/22/2025

Approved Signatory: 
Date: 5/22/2025

SanAir Technologies Laboratory

SanAir ID Number
25033071
FINAL REPORT
5/22/2025 3:02:57 PM

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
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Phone: 253-588-0440

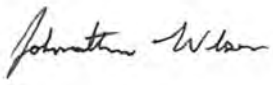
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Collected Date: 5/19/2025
Received Date: 5/22/2025 10:05:00 AM

Analyst: Hogrefe, Sarah

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Components		
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
13 / 25033071-019 Leveling Compound/ Main Floor, Hall Water Heater Closet	White Non-Fibrous Heterogeneous		100% Other	None Detected
14 / 25033071-020 Wallboard/ Basement Electrical Room	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
14A / 25033071-021 Joint Compound/ Basement Electrical Room	White Non-Fibrous Homogeneous		100% Other	None Detected
15 / 25033071-022 Wallboard/ Basement Ceiling	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
15A / 25033071-023 Ceiling Panel/ Basement Ceiling	White Fibrous Homogeneous	95% Cellulose	5% Other	None Detected

Analyst: 
Analysis Date: 5/22/2025

Approved Signatory: 
Date: 5/22/2025

Disclaimer and Additional Information:
Asbestos Bulk PLM EPA 600/R-93/116

This report is the sole property of the client named on the chain-of-custody (COC) submitted to SanAir Technologies Laboratory, Inc. (SanAir). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The final report shall not be reproduced, except in full, without written approval of the laboratory to assure that parts of the report are not taken out of context. This report and any information contained within shall not be edited, altered, or modified in any way by any persons or agencies receiving, viewing, distributing, or otherwise possessing a copy of this final report. The laboratory reserves the right to perform amendments to any finalized report, of which shall supersede and make obsolete any previous editions. Such changes, modifications, additions, or deletions shall be effective immediately upon notice thereof, which may be given by means including but not limited to posting on the SanAir client portal website, electronic or conventional mail, or by any other means.

The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client on the COC. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample(s) in the condition received at the laboratory and information provided by the client on the COC, such as: project number, project name, collection dates, P.O. number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start-stop times that may affect the validity of the results in this report. Samples were received in good condition unless otherwise noted on the report. When the client requires samples to be tested that deviates from a specific method or condition, all reported results may be affected by the deviation. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted.

This report does not constitute nor shall not be used by the client to claim product, process, system, or person certification, approval, or endorsement by NVLAP, NIST, NELAC, AIHA LAP, LLC or any other U.S. governmental agencies; all or somet tests contained in this report may not be accredited by every local, state, and federal regulatory agencies. Refer to the SanAir website at www.sanair.com for copies of current certificates and scopes of various accreditations, certifications, and licenses or contact the laboratory for inquiries regarding the status or scope of an accreditation or certification.

Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. For NY state samples, method EPA 600/M4-82-020 is performed.

NYELAP Disclaimer:
Polarized-light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Accreditations, Certifications, and Licenses
National Voluntary Laboratory Accreditation Program (NVLAP) Lab Code 200870-0
City of Philadelphia Department of Public Health Air Management Services, Certification#ALL-460
Commonwealth of Pennsylvania Department of Environmental Protection Number 68-05397
California State Environmental Laboratory Accreditation Program Certificate Number 2915
Colorado Department of Public Health and Environment Registration Number AL-23143
Connecticut Department of Public Health Environmental Laboratory Registration Number PH-0105
Massachusetts Department of Labor Standards Asbestos Analytical Services License Number: AA000222
State of Maine Department of Environmental Protection License Number: LB-0075
New York State Department of Health Laboratory ID: 11983
State of Rhode Island Department of Health Certification No.: PLM00126
Texas Department of State Health Services License Number: 300440
Commonwealth of Virginia Department of Professional and Occupational Regulation Number: 3333000323
State of Washington Department of Ecology Laboratory ID: C989
State of West Virginia Bureau for Public Health Analytical Laboratory Number: LT000616
Vermont Department of Health License Number: Asb-Co-An-000006
Louisiana Department of Environmental Quality AI Number 212253, LELAP Lab ID #05088

SanAir Technologies Laboratory
10501 Trade Ct., Suite 100
N. Chesterfield, VA 23236
804.897.1177 / 888.895.1177
Fax 804.897.0070
sanair.com

Asbestos Chain of Custody

Form 140, Rev 7, 10/20/2022

SanAir ID Number: 2503307/

Company: Northwest Abatement Services, Inc.	Project #: SR25-4498	Collected by: Kamron Riser
Address: 9822 32nd Ave S,	Project Name: 720 333rd St, Federal Way	Phone #: 253-588-0440
City, St., Zip: Lakewood, WA 98499	Date Collected: 5/19/25	Fax #:
State of Collection: WA Account#: 1587	P.O. Number: SR25-4498	Email: kamron@nwabatement.com

Bulk

ABB	PLM EPA 600/R-93/116	✔
	Positive Stop	☐
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB**	☐
ABBCH	TEM Chatfield**	☐
ABBTM	TEM EPA NOB**	☐
ABQ	PLM Qualitative	☐

** Available on 24-hr. to 5-day TAT

Water

ABHE	EPA 100.2	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐
Other:		☐

New York ELAP

ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐
	Positive Stop	☐

Soil

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐

Vermiculite

ABB	PLM EPA 600/R-93/116	☐
ABEPA3	PLM EPA 400 Point Count	☐
ABCM	Cincinnati Method	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Matrix	Other	
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☐	12 HR ■	1 Day ☐
	☐ 2 Days	☐ 3 Days	☐ 4 Days	☐ 5 Days

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start – Stop Time*	
1	Wallboard/ Main Floor, SE Corner	Throughout	ABB			
1A	Joint Compound/ Main Floor, SE Corner	Throughout	ABB			
1B	Texture/ Main Floor, SE Corner	Throughout	ABB			
2	Ceiling Tile/ Main Floor, SE Corner	Throughout	ABB			
3	Mastic, Cove Base/ Main Floor, SE Corner	Throughout	ABB			
5	Wallboard/ Main Floor Central	Throughout	ABB			
5A	Joint Compound/ Main Floor Central	Throughout	ABB			
5B	Texture/ Main Floor Central	Throughout	ABB			
6	Leveling Compound/ Main Floor Central	Throughout	ABB			
7	VCT/ Room D105	Throughout	ABB			
7A	Mastic/ Room D105	Throughout	ABB			
8	Wallboard/ Room D105	Throughout	ABB			

Relinquished by	Date	Time	Received by	Date	Time
Kamron Riser	5/20/25	7:00am	EDR	05/22/25	10:05 a.m.

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of $150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Ground and Next Day Air shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

2503307 | Form 140, Revision 1, 1/20/2017

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start – Stop Time*	
8A	Joint Compound/ Room D105	Throughout	ABB			
8B	Texture/ Room D105	Throughout	ABB			
10	Mastic, Carpet/ Room D108	Throughout	ABB			
11	Wallboard/ Room D108	Throughout	ABB			
11A	Joint Compound/ Room D108	Throughout	ABB			
11B	Texture/ Room D108	Throughout	ABB			
13	Leveling Compound/ Main Floor, Hall water heater Closet	Throughout	ABB			
14	Wallboard/ Basement Electrical Room	Throughout	ABB			
14A	Joint Compound/ Basement Electrical Room	Throughout	ABB			
15	Wallboard/ Basement Ceiling	Throughout	ABB			
15A	Ceiling Panel/ Basement Ceiling	Throughout	ABB			

Special Instructions	

Relinquished by	Date	Time	Received by	Date	Time
Kamron Riser	5/20/25	7:00am	EDR	05/22/25	10:05 a.m.

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of $150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Ground and Next Day Air shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges. Page 2 of 2

SanAir Technologies Laboratory

The Identification Specialists

Analysis Report
prepared for
Northwest Abatement Services, Inc.

Report Date: 5/23/2025

Project Name: 720 333rd St, Federal Way

Project #: SR25-4498

SanAir ID#: 25033066

10501 Trade Court, North Chesterfield, Virginia 23236
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | LabReports@SanAir.com | SanAir.com

SanAir ID Number
25033066
FINAL REPORT
5/23/2025 2:12:24 PM

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496
Phone: 253-588-0440

Project Number: SR25-4498
P.O. Number: SR25-4498
Project Name: 720 333rd St, Federal Way
Collected Date: 5/19/2025
Received Date: 5/22/2025 10:05:00 AM

Dear Kamron Riser,

We at SanAir would like to thank you for the work you recently submitted. The 4 sample(s) were received on Thursday, May 22, 2025 via UPS. The final report(s) is enclosed for the following sample(s): 4, 9, 12, 16.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Abisola Kasali
Metals Laboratory Director
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Chemistry Analysis
- Disclaimers and Additional Information

Sample conditions:
- 4 samples in Good condition.

SanAir Technologies Laboratory

SanAir ID Number
25033066
FINAL REPORT
5/23/2025 2:12:24 PM

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496
Phone: 253-588-0440

Project Number: SR25-4498
P.O. Number: SR25-4498
Project Name: 720 333rd St, Federal Way
Collected Date: 5/19/2025
Received Date: 5/22/2025 10:05:00 AM

Analyst: Baird, Marti
Test Method: SW846/M3050B/7000B

Lead Paint Analysis

PAINT Sample	Description	µg Pb In Sample	Sample Size (grams)	Calculated RL	Sample Results	Sample Results
25033066 - 1	4 Paint/ Main Floor, SE Corner	< 10	0.1155	86.6	<86.6 µg/g (ppm)	<0.009 % By Weight
25033066 - 2	9 Paint/ Main Floor Central	< 10	0.1119	89.4	<89.4 µg/g (ppm)	<0.009 % By Weight
25033066 - 3	12 Paint/ Room D105	< 10	0.1008	99.2	<99.2 µg/g (ppm)	<0.010 % By Weight
25033066 - 4	16 Paint/ Basement	< 10	0.1064	94	<94 µg/g (ppm)	<0.009 % By Weight

Method Reporting Limit <10 µg/0.1 g paint
Sample 9 contained substrate.

Signature: Marti H. Baird
Date: 5/22/2025

Reviewed: Alissa Galarneau
Date: 5/23/2025

Disclaimer

This report is the sole property of the client account named on the chain-of-custody (COC) submitted to SanAir Technologies Laboratory, Inc. (SanAir). Results in the report are confidential information intended only for the use by the customer listed on the chain of custody. Neither results nor reports will be discussed with or released to any third party without our client's written permission. Final reports cannot be reproduced, except in full, without written approval from SanAir to assure that parts of the report are not taken out of context. This report and any information contained within shall not be edited, altered, or modified in any way by any persons or agencies receiving, viewing, distributing, or otherwise possessing a copy of this final report. The laboratory reserves the right to perform amendments to any finalized report, of which shall supersede and make obsolete any previous editions. Such changes, modifications, additions, or deletions shall be effective immediately upon notice thereof, which may be given by means including but not limited to posting on the SanAir client portal website, electronic or conventional mail, or by any other means.

The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results of the analysis is dependent upon the method of sample procurement and information provided by the client on the COC. SanAir is not responsible for the method of sample procurement. SanAir assumes no responsibility for information provided by the client on the COC such as project number, project name, collection dates, po number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start stop times that may affect the validity of the results in this report. SanAir only assures the precision and accuracy of the data it generates and assumes no responsibility for errors or biasing that occur during collection prior to SanAir's receipt of the sample(s). Evaluation reports are based solely on the sample(s) in the condition in which they are received at the laboratory and on the information provided by the client on the COC. Sample(s) were received in good condition unless otherwise noted on the report. All quality control results are acceptable unless otherwise noted. SanAir does not make contamination corrections to reports based upon analysis of laboratory and/or field blanks. When the client requires samples to be tested that deviate from a specific method or condition, all reported results may be affected by the deviation. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted. SanAir's Method Detection Limits (MDL) and Reporting Limits (RL) have been derived using various materials meeting each accrediting agencies' standards. All samples are disposed of after 60 days unless otherwise requested by the client. For Lead Exposure Limits, refer to HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards and State and Federal Regulations, where applicable.

SanAir Technologies Laboratory, Inc. participates in the Environmental Lead Accreditation Program (ELAP) administered by AIHA LAP, LLC (Laboratory ID LAP-162952), and has met the EPA's NLLAP program standards. SanAir also participates in the State of New York's DOH-ELAP program (NY Lab Id No. 11983) for lead in paint. This report does not constitute nor shall be used by the client to claim product, process, system, or person certification, approval, or endorsement by AIHA LAP, LLC, NELAC, NIST, and/or any other U.S. governmental agencies. All or some test results contained in this report may not be accredited by every local, state or federal regulatory agency. Refer to the SanAir website at www.sanair.com for copies of current certificates and scopes of various accreditations, certifications, and licenses or contact the laboratory for inquiries regarding the status or scope of an accreditation or certification.

AIHA LAP, LLC Lab ID: LAP-162952
New York State Department of Health Laboratory ID No: 11983
State of Connecticut Department of Public Health Environmental Laboratory Registration Number: PH-0105
Ohio Department of Health Environmental Lead Laboratory Approval Number E10049
State of Rhode Island Department of Health Environmental Lead Laboratory No LAO00371

Revision Date 3/24/2025

SanAir Technologies Laboratory
10501 Trade Ct., Suite 100
N. Chesterfield, VA 23236
804.897.1177 / 888.895.1177
Fax 804.897.0070
sanair.com

Metals & Lead
Chain Of Custody
Form #70, Revision 13, 04/22/24

SanAir ID Number: 25033066

Company: Northwest Abatement Services, Inc.	Project #: SR25-4498	Collected By: Kamron Riser
Address: 9822 32nd Ave S,	Project Name: 720 333rd St, Federal Way	Phone #: 253-588-0440
City, St., Zip: Lakewood, WA 98499	Date Collected: 5/19/25	Fax #:
State Of Collection: WA Account#: 1587	P.O. Number: SR25-4498	Email: Kamron@nwabatement.com

Matrix Types

- ☐ Air (ug/m3) ☐ Wipe (ug/ft2)
- ☑ Paint ☐ Soil ☐ Bulk (ug/g or ppm)
- ☐ Other:

Metals Analysis Types

☑ Total Concentration of Lead (AA)	☐ TCLP for Lead (TCLP)
☐ Total Concentration of RCRA 8 Metals (RCRA 8)	☐ TCLP for RCRA 8 Metals (RCRA)
☐ Total Concentration of Mercury (Hg)	☐ ICP (Total Concentration of Metals) Please list metals:

Turn Around Time	Same Day ☐	1 Day ☑	2 Days ☐	3 Days ☐	4 Days ☐	5 Days ☐

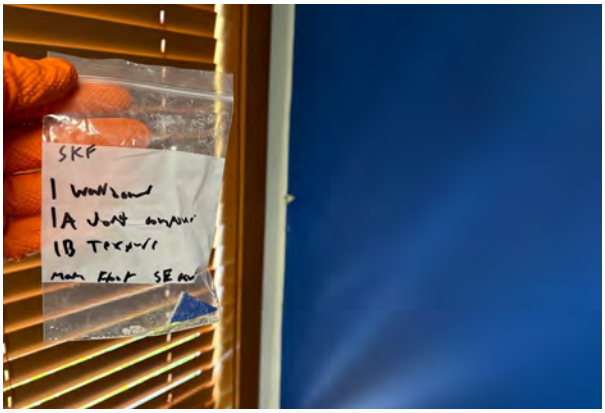
Special Instructions	

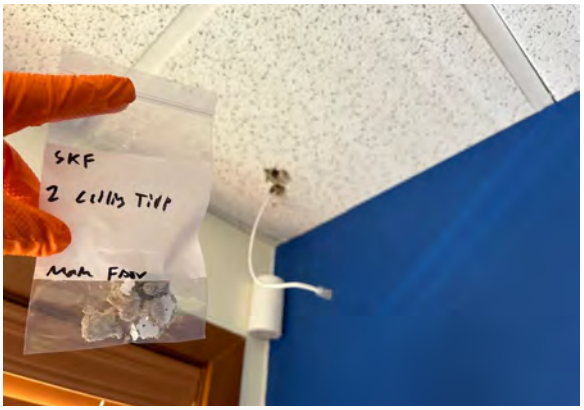
Sample #	Collection Date & Time	Sample Identification/Location	Flow Rate	Start Time	Stop Time	Volume (L) Area (Sq ft)
4	5/19/25, 2:00pm	Paint/ Main Floor, SE Corner				Throughout
9	5/19/25, 2:00pm	Paint/ Main Floor Central				Throughout
12	5/19/25, 2:00pm	Paint/ Room D105				Throughout
16	5/19/25, 2:00pm	Paint/ Basment				Throughout

Relinquished by	Date	Time	Received by	Date	Time
Kamron Riser	5/20/25	7:00am	EDR	05/22/25	10:05a.m.

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of $150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Ground and Next Day Air shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

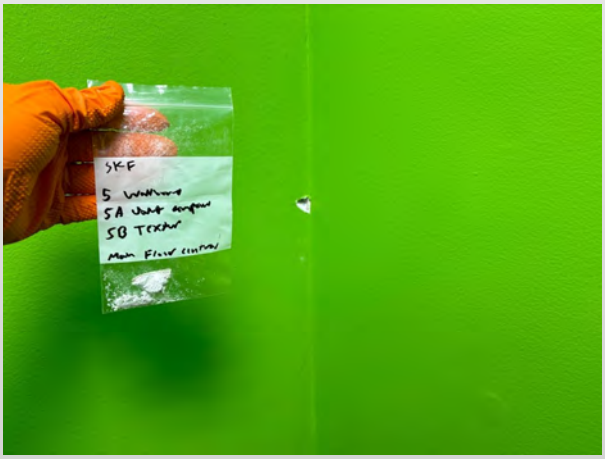
SECTION 3 | Photographs

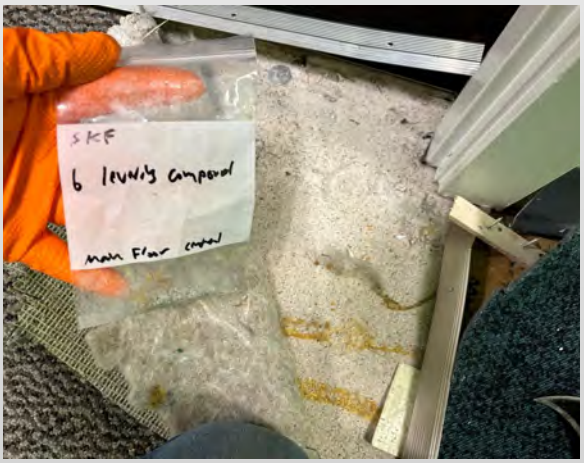








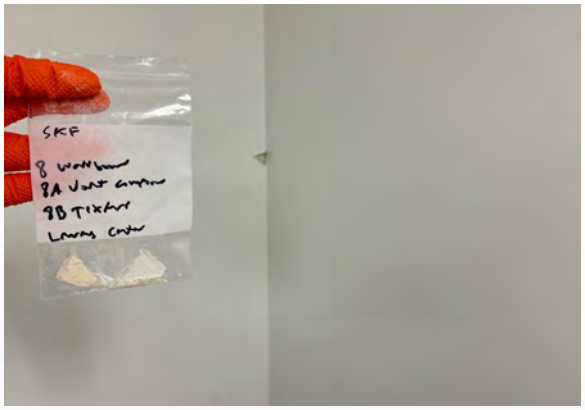




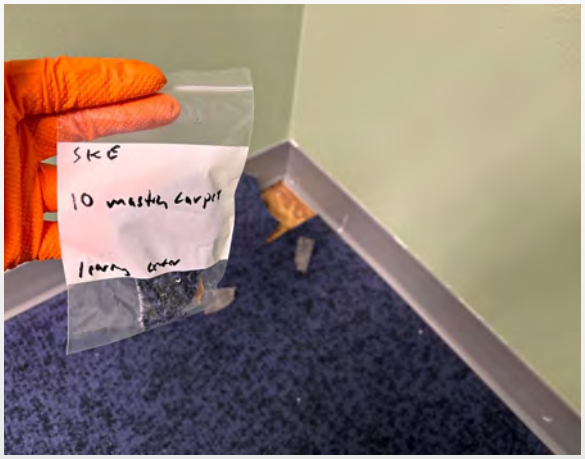
SURVEY PHOTOS

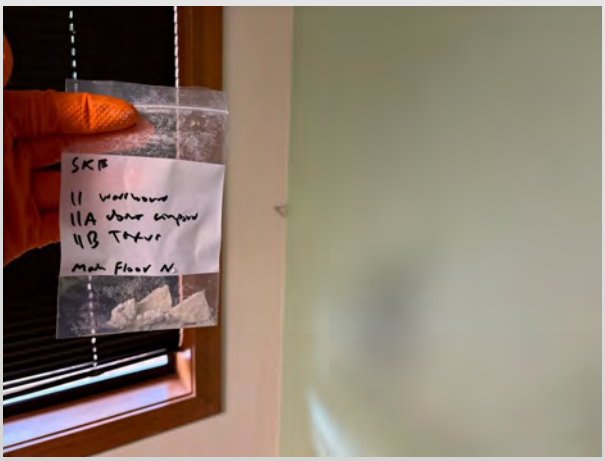
720 333rd Street, Federal Way, WA 98003













SURVEY PHOTOS

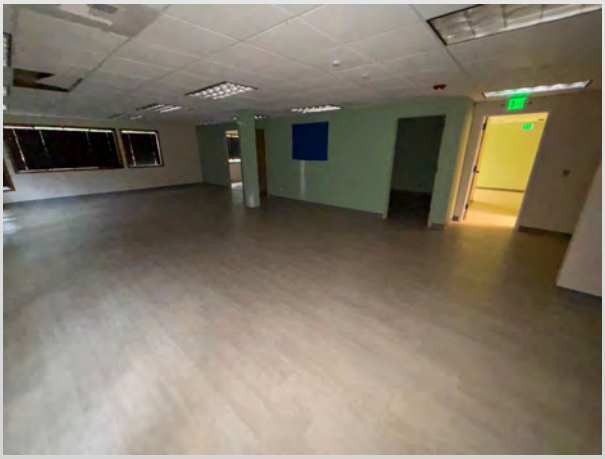
720 333rd Street, Federal Way, WA 98003

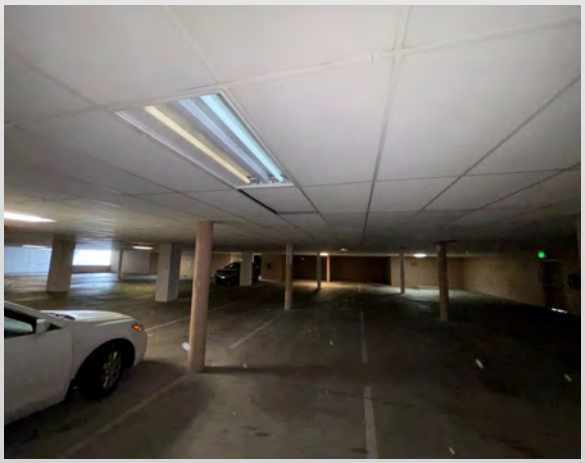












SURVEY PHOTOS

720 333rd Street, Federal Way, WA 98003

SECTION 4 | AHERA Certification

CERTIFICATE OF COMPLETION

AHERA Building Inspector

This is to certify that

Kamron B Riser

has attended and satisfactorily completed all requirements to obtain accreditation as an AHERA Building Inspector. This 24-hour initial training has been successfully completed in accordance with the Toxic Substance Control Act Title (Section 206) and 40 CFR 763.

Accreditation Number: **NES-BII-20240612-06**

Course Date June 12, 2024

Certification Expiration June 12, 2025

NOW
ENVIRONMENTAL SERVICES INC.

Now Environmental Services, Inc
34004 - 9th Avenue South, Ste A5
Federal Way, WA 98003
253.927.5233

Rick Cole

NOW Environmental Services

Lead Renovation, Repair and Painting Program

This is to certify that

Kamron B. Riser

Has successfully completed all assignments and final exam requirements for the following NOW Environmental Protection Agency Courses (see attached course details)

Renovator Initial

*In compliance with **40 CFR Part 745.225** and **WAC 365-230** training requirements.*

Exam Date: 8/23/2024

Expiration Date: 8/23/2029

R-I-9055WA-24-017	8/23/2024	8
Cert. ID Number	Issue Date	Hours

Douglas Lowe
Instructor

Donna McNeal
President

NOW Environmental Services
34004 9th Avenue South A12 Federal Way, Washington 98003
Telephone (253) 927-5233 email nmiles@oriones.net

NOW
ENVIRONMENTAL SERVICES INC.

FF&E SCHEDULE: SOUTH KING FIRE ADMINISTRATION BUILDING IMPROVEMENTS						
SUBJECT	**LOCATION**	**ITEM**	**SPECIFICATION**	**FINISH**	**COLOR**	**NOTES**
						SEE FINISH FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS AND EXTENTS. PRE-INSTALLATION CONFERENCE REQUIRED.
PAINT						
PT-1	THROUGHOUT	PAINT	BENJAMIN MOORE	A - WALLS: EGGSHELL B - TRIM/BASE/DOOR: SEMI-GLOSS C - CEILING: FLAT D - RESTROOM WALLS & CEILINGS: SATIN	SIMPLY WHITE: OC-117	TRIM TO MATCH ADJACENT WALL COLOR
PT-2	LACTATION ROOM	PAINT	BENJAMIN MOORE	A - WALLS: EGGSHELL B - TRIM/BASE/DOOR: SEMI-GLOSS	SAYBROOK SAGE HC-114	TRIM TO MATCH ADJACENT WALL COLOR
PT-3	QUIET ROOM	PAINT	BENJAMIN MOORE	A - WALLS: EGGSHELL B - BASE: SEMI-GLOSS	MINERAL ALLOY 1622	TRIM TO MATCH ADJACENT WALL COLOR
PT-4	ADMIN COFFEE	ACCENT PAINT ABOVE BACKSPLASH	BENJAMIN MOORE	A - WALLS: EGGSHELL	TEMPLETON GRAY HC-161	
PT-5	ENTRY RAMP	HANDRAIL & POSTS	SHERWIN WILLIAMS		IRON ORE SW7069	
PT-6	SOUTH ENTRY	WOOD SIDING PAINT	SHERWIN WILLIAMS	MATCH EXISTING	ROYCROFT MIST GRAY SW2844	AS REQUIRED FOR PATCH & REPAIR MATCH EXISTING
PT-7	LOBBY SIGNAGE	POWDER-COATED METAL LETTERS	BENJAMIN MOORE	SEMI-GLOSS	RAL 3003	
PT-8	FOYER, L2 HALLWAY	PAINT	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	PAINT AFFECTED WALLS ONLY
PT-9	MEDIUM CONFERENCE ROOM	PAINT	SHERWIN WILLIAMS	A - WALLS: EGGSHELL B - TRIM/BASE: SEMI-GLOSS	SW7075 WEB GRAY	
ST-1	EXISTING WINDOW TRIM THROUGHOUT	STAIN	TBD	CLEAR COAT	MATCH EXISTING	REFINISH EXISTING WINDOW TRIM, UNO
CARPET						
CPT-1	HALLWAYS, SMALL CONF, MEDIUM CONF, ADMIN CONF	CARPET TILE W/ ATTACHED WELLBAC COMFORT CUSHION	MFR: MILLIKEN STYLE: JOURNAL, INSCRIPTION		QUILL WITH PUNCH AND CARBON ACCENTS	ASHLAR INSTALLATION
CPT-2	QUIET RM, LACTATION RM, PRIVATE OFFICES	CARPET TILE W/ ATTACHED WELLBAC COMFORT CUSHION	MFR: MILLIKEN STYLE: JOURNAL, INSCRIPTION		QUILL	ASHLAR INSTALLATION
CPT-3	LOBBY ACCENT	BROADLOOM CARPET	MFR: SHAW CONTRACT STYLE: NOBLE MATERIALS, FAULT		FORGE PLATINUM OR TALC PLATINUM	INSTALL METAL EDGE TRIM PER DETAIL
CPT-4	L2 LARGE CONF RM	BROADLOOM CARPET	MFR: SHAW CONTRACT STYLE: NOBLE MATERIALS, STRATA		CORNERSTONE	MIN 40 OZ/YD INSTALL OVER THICK CARPET CUSHION
MAT-1	RECEPTION	WALK-OFF MAT	PEDIMAT M1		TBD BY ARCH FROM MFR STANDARD	

INTERIOR FINISHES SCHEDULE												
Home Story Name	**Zone Number**	**ROOM NAME**	**FLOORING**	**CEILING**	**NORTH WALL**	**EAST WALL**	**SOUTH WALL**	**WEST WALL**	**BASE**	**EXT WINDOW FIN**	**WINDOW TREATMENT**	**OTHER**
LEVEL 1												
		(E) STORAGE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTINGE	EXISTING	-		
		(E) VESTIBULE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	-		
	1S1	STAIR	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	-		
	1S2	STAIR	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	-		
	101	RECEPTION	LVP-1; MAT-1	ACT-1; GWB	PT-1A, SF	PT-1A, HWVP	PT-1A	WC-5B, PT-1A	B-2	ST-1	RS-1	
	102	LOBBY	LVP-1; CPT-3	WD-2	HWVP	PT-1A	PT-1A, SF	PT-1A	B-2	-	-	
	103	FINANCE OPEN-A	CPT-2	ACT-1	-	PT-1A	PT-1A	PT-1A	B-1	ST-1	RS-1	
	104	FINANCE OPEN-B	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A	B-1	-	-	
	105	FINANCE OFFICE	CPT-2	ACT-1	PT-1A, SF	PT-1A	PT-1A	PT-1A	B-1	ST-1	RS-1	
	106	HR/FINANCE CONF	CPT-1	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A, SF	B-1	-	RS-2	ACOUSTIC FELT PRIVACY SCREENS WC-5
	107	HR OFFICE	CPT-2	ACT-1	PT-1A, SF	PT-1A	PT-1A	PT-1A	B-1	-	RS-1, RS-2	
	108	HR OPEN	CPT-2	ACT-1	PT-1A	-	PT-1A	PT-1A	B-1	ST-1	RS-1	
	109	HALLWAY	CPT-1	GWB	PT-1A, SF	PT-1A, SF	PT-1A, SF	PT-1A, SF	B-1	-		
	110	LUNCH/BREAK	LVP-1	GWB; WD-1; OPEN TO ABOVE	CSWK	-	PT-1A	PT-1A	B-2	PT-1B	RS-1	
	111	SUPPLY	LVP-1	ACT-1	CSWK	PT-1A	PT-1A	PT-1A	B-2	-		
	112	QUIET	CPT-2	ACT-1	PT-3A	WC-2	PT-3A	PT-3A	B-1	-		
	113	LACTATION	CPT-2	ACT-1	PT-2A	WC-1, CSWK	PT-2A	PT-2A	B-1	-		
	114	MEDIUM CONF	CPT-1	GWB; WD-1	PT-1A, SF	PT-1A	WC-3, PT-1A	PT-1A	B-1	-		
	115	SMALL CONF	CPT-1	ACT-1	PT-1A, SF	PT-1A, SF	WC-3, PT-1A	PT-1A	B-1	-		
	116	COMM OPEN	CPT-2	ACT-1	PT-1A	PT-1A	-	-	B-1	ST-1	RS-1	
	117	FMO OPEN	CPT-2	ACT-1	-	PT-1A	PT-1A, SF	PT-1A	B-1	ST-1	RS-1	
	118	FMO CONF	CPT-2	GWB	PT-1A, SF	PT-1A	PT-1A	PT-1A	B-1	ST-1	RS-1, RS-2	ACOUSTIC FELT PRIVACY SCREENS WC-5
	119	FMO OFFICE-2	CPT-2	ACT-1	PT-1A, SF	PT-1A	PT-1A	PT-1A	B-1	ST-1	RS-1	
	120	FMO OFFICE 1	CPT-2	ACT-1	PT-1A, SF	PT-1A	PT-1A	PT-1A	B-1	ST-1	RS-1	
	121	HALLWAY	CPT-1	GWB	PT-1A	PT-1A	PT-1A, SF	PT-1A	B-1	-		
	122	MECH	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	-		
	123	WOMEN	T-1	EXISTING	PT-1D, T-1 WAINSCOT	PT-1D, T-1 WAINSCOT	PT-1D	T-2, T-3	T-1	-		
	124	JAN	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	-		
	125	MEN	T-1	EXISTING	PT-1D, T-1 WAINSCOT	T-2, T-3	PT-1D	PT-1D, T-1 WAINSCOT	T-1	-		
	126	STOR	LVP-1	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A	B-2	-		
	127	COFFEE	CPT-1; LVP-1	GWB	PT-1A	CSWK	CSWK, PT-4A, PT-1A	PT-1A	-	-		
	127A	COPY	LVP-1	GWB	PT-1A	CSWK	PT-1A	PT-1A	B-2	-		
	128	ADMIN CONF	CPT-1	WD-1	PT-1A	PT-1A, SF	PT-1A	PT-1A	B-1	ST-1	RS-1, RS-2	ACOUSTIC FELT PRIVACY SCREENS WC-4
	129	HALLWAY	CPT-1	GWB	PT-1A, SF	PT-1A	PT-1A, SF	PT-1A, SF	B-1	-		
	130	OFFICE - EXEC. DIR.	CPT-2	ACT-1	PT-1A	PT-1A, SF	PT-1A	PT-1A	B-1	ST-1	RS-1, RS-2	
	131	OFFICE - EXEC. SEC.	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A, SF	PT-1A	B-1	ST-1	RS-1, RS-2	
	131A	STOR	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A	B-3	-		
	132	DIST CHIEF 1	CPT-2	ACT-1	PT-1A, SF	PT-1A	PT-1A	PT-1A	B-1	-	RS-2	
	133	OFFICE - CHIEF	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A, SF	PT-1A	B-1	ST-1	RS-1, RS-2	
	134	DIST CHIEF 2	CPT-2	ACT-1	PT-1A, SF	PT-1A	PT-1A	PT-1A	B-1	-	RS-2	
	135	OFFICE - ASST. CHIEF	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A, SF	PT-1A	B-1	ST-1	RS-1, RS-2	
	136	DIST CHIEF 3	CPT-2	ACT-1	PT-1A, SF	PT-1A	PT-1A	PT-1A	B-1	-	RS-2	
	137	DEPUTY 1	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A, SF	PT-1A	B-1	ST-1	RS-1, RS-2	
	138	DEPUTY 3	CPT-2	ACT-1	PT-1A, SF	PT-1A	PT-1A	PT-1A	B-1	-	RS-2	
	139	DEPUTY 2	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A, SF	B-1	ST-1	RS-1, RS-2	
	140	OFFICE - DIR. ENT. SERV.	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A, SF	B-1	ST-1	RS-1, RS-2	
	141	STOR	LVP-1	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A	B-3	-	-	
	142	IT OPEN	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A	B-1	-	-	
	143	IT LAB	LVP-1	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A	B-3	-		
	144	OFFICE - IT DIR.	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A, SF	B-1	ST-1	RS-1	
	145	FOYER	EXISTING	EXISTING	PT-8	PT-8	PT-8	PT-8	EXISTING; B-4	-	-	
	145	HOTEL OPEN	CPT-2	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A	B-1	-		
LEVEL 2												
		MECH	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING		EXISTING	-	-	
	2S1	STAIR	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING		EXISTING	-	-	
	2S2	STAIR	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING		EXISTING	-	-	
	201	LARGE CONF RM	CPT-4	ACT-1	PT-1A	PT-1A	PT-1A	PT-1A	B-1	ST-1	RS-1	
	202	KITCHEN	LVP-1	ACT-1	PT-1A	PT-1A	CSWK, PT-1A	CSWK	B-3	-	-	
	203	MECH / ELEC	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	-	-	
	204	DOAS CLOS	LVP-1	GWB	PT-1A	PT-1A	PT-1A	PT-1A	B-3	-		
	221	HALLWAY	EXISTING	EXISTING	PT-8	PT-8	EXISTING	EXISTING	EXISTING	-	-	PATCH AND REPAINT WALLS IN AFFECTED AREAS ONLY. MATCH EXISTING PAINT AND BASE
	223	WOMEN	T-1	EXISTING	PT-1D, T-1 WAINSCOT	PT-1D, T-1 WAINSCOT	PT-1D	T-2, T-3	T-1	-		
	223A	WOMEN SHOWER	T-1	EXISTING	PT-1D	PT-1D, T-2, T-3	T-2, T-3	T-2, T-3, PT-1D	T-1		-	
	225	MEN	T-1	EXISTING	PT-1D, T-1 WAINSCOT	T-2, T-3	PT-1D	PT-1D, T-1 WAINSCOT	T-1	-	-	
	225A	MEN SHOWER	T-1	EXISTING	PT-1D	PT-1D, T-2, T-3	T-2, T-3	T-2, T-3, PT-1D	T-1	-	-	

2 A921 **ROOM FINISH SCHEDULE**

SUBJECT	**LOCATION**	**ITEM**	**SPECIFICATION**	**FINISH**	**COLOR**	**NOTES**
BASE						
B-1	AT AREAS OF CPT	MDF BASE		PAINTED, SEMI-GLOSS	MATCH WALL COLOR UNO	
B-2	AT AREAS OF LVP-1	WOOD BASE	FINGER-JOINTED SPF	PAINTED, SEMI-GLOSS	MATCH WALL COLOR UNO	
B-3	STORAGE ROOMS	RUBBER BASE	MFR: ROPPE STYLE: 4" COVED		BLACK-BROWN	
B-4	FOYER, LR HALLWAY WHERE AFFECTED	RUBBER BASE	FMFR: ROPPE STYLE: COVED, MATCH EXISTING		MATCH EXISTING	
VINYL						
LVP-1	RECEPTION, LOBBY, SUPPLY, LUNCH/BREAK,ADMIN COFFEE/COPY, IT LAB	VINYL PLANK FLOOR	MFR: MILLIKEN STYLE: ALL TOGETHER NOW: DWELL		THIRD FLOOR	22 MIL WEAR LAYER
TILE						MINIMAL GROUT
T-1	MEN, WOMEN, SHOWERS	GLAZED PORCELAIN TILE AT FLOOR, BASE AND WALL WAINSCOT	MFR: STYLE ACCESS STYLE: DISK SIZE: 12"X24"	MATTE	ANTHRACITE	INSTALL METAL TRIM @ EXPOSED EDGED
T-2	MEN, WOMEN, SHOWERS	SUBWAY TILE AT SHOWERS & TOILETS	MFR: DALTILE STYLE: COLORSTORY SIZE: 4"X12"	A- MATTE (TOILETS) B - GLOSSY (SHOWERS)	BALANCE	GROUT COLOR: TBD BY ARCH FROM MFR STANDARDS
T-3	MEN, WOMEN, SHOWERS	ACCENT SUBWAY TILE AT SHOWERS & TOILETS	MFR: DALTILE STYLE: COLORSTORY PINSTRIPE, RECTANGLE FLUTED SIZE: 2"X8"	GLOSSY	TRANQUILITY	
T-4	LUNCH/BREAK RM	MOSAIC TILE BACKSPLASH	MFR: DALTILE STYLE: COLOR WHEEL STRAIGHT LINE MOSAIC SIZE: 1X6	GLOSSY	ARCTIC WHITE 0190	GROUT COLOR: TBD BY ARCH FROM MFR STANDARDS
CEILING TREATMENT						
ACT-1	OFFICES	ACOUSTIC CEILING TILE	ARMSTRONG TECHZONE 24"X48"		WHITE	
WD-1	LUNCH/BREAK, MEDIUM CONF, ADMIN CONF	PANELIZED LINEAR WOOD CEILING	9WOOD ACOUSTIC CEILING SERIES: 2000 LINEAR WOOD STYLE: 2100 PANELIZED LINEAR	CLR, MATTE SHEEN	PEFC WESTERN HEMLOCK	
WD-2	LOBBY	CROSS-PIECE GRILLE WOOD CEILING	9WOOD ACOUSTIC CEILING SERIES: 1000 WOOD GRILLES STYLE: 1100 CROSS PIECE GRILLE	CLR, MATTE SEEN	PEFC WESTERN HEMLOCK	
WALL COVERING						
WC-1	LACTATION RM	ACOUSTIC FELT WALL PANELS	MFR: ACOUFELT STYLE: FRACTURE THICKNESS: 12MM	PATTERN: DIAGONAL	PISTACHIO	
WC-2	QUIET ROOM	ACOUSTIC FELT WALL PANELS	MFR: ACOUFELT STYLE: FRACTURE THICKNESS: 12MM	PATTERN: DIAGONAL	JADE	
WC-3	MEDIUM CONF, SMALL CONF	ACOUSTIC FELT WALL PANELS	MFR: ACOUFELT STYLE: FRACTURE THICKNESS: 12MM	PATTERN: INTERSECT	SLATE	
WC-4	ADMIN CONF	ACOUSTIC FELT PRIVACY SCREENS	MFR: ACOUFELT STYLE: FRACTURE THICKNESS: 12MM	PATTERN: RAIN	CURRANT	
WC-5	HR CONF, FMO CONF	ACOUSTIC FELT PRIVACY SCREENS	MFR: ACOUFELT STYLE: FRACTURE THICKNESS: 12MM	PATTERN: RAIN	METAL	
WC-5B	RECEPTION	ACOUSTIC FELT WALL PANELS	MFR: ACOUFELT STYLE: FRACTURE THICKNESS: 12MM	PATTERN: DIAGONAL	METAL	
WC-6	SUPPLY, ADMIN COFFEE	TACKABLE PANELS	MFR: FORBO		BROWN RICE 2187	
CASEWORK						
HWVP	SUPPLY, ADMIN COFFEE, RECEPTION	HARDWOOD VENEER PLYWOOD		TRANSPARENT FINISH ON EDGE		
PLAM-1	LUNCH/BREAK, SUPPLY, L2 KITCHEN	PLASTIC LAMINATE FOR CASEWORK AND COUNTER WHERE NOTED	WILSONART		FASHION GRAY	AT LOCATIONS WITH Q-1
PLAM-2	KITCHENETTES	PLASTIC LAMINATE FOR CASEWORK	FORMICA		SURF	AT LOCATIONS WITH Q-2
SOLID SURFACE						
Q-1	LUNCH/BREAK, ADMIN COFFEE, SUPPLY, L2 KITCHEN	QUARTZ COUNTERTOP	CAESARSTONE, 2 CM	POLISHED	GEORGIAN BLUFFS 6134	
Q-2	KITCHENETTES	QUARTZ COUNTERTOP, SPLASH	CAESARSTONE, 2 CM	CONCRETE	FRESH CONCRETE 4001	
Q-3	RESTROOM VANITY	QUARTZ COUNTER & APRON	MFR: DALTILE STYLE: ONE QUARTZ SURFACES	POLISHED	OQ63 ARGOS	
FABRIC						
FAB-1	RECEPTION BENCHES	HIGH-DENSITY UPHOLSTERED FOAM CUSHION	COMMERCIAL-GRADE		TBD	
TOILET ACCESSORIES						
TP-1	MEN, WOMEN	TOILET PARTITIONS	MFR: BOBRICK SERIES: SIERRA SERIES STYLE: SOLID COLOR REINFORCED COMPOSITE (SCRC)		SC02-DESERT BEIGE	
TPD	MEN, WOMEN	SURFACE-MTD TOILET TISSUE DISPENSER W UTILITY SHELF, TWO ROLLS	MFR: BOBRICK STYLE: B-540	SATIN FINISH STAINLESS STEEL		
SCD	MEN, WOMEN	SURFACE-MTD SEAT COVER DISPENSER	MFR: BOBRICK STYLE: B-4021	SATIN FINISH STAINLESS STEEL		
SND	MEN, WOMEN	SURFACE-MTD SANITARY NAPKIN DISPENSER	MFR: BOBRICK STYLE: B-270	SATIN FINISH STAINLESS STEEL		
SD	MEN, WOMEN	SURFACE-MTD AUTOMATIC SOAP DISPENSER	MFR: BOBRICK STYLE: B-2013	MATTE BLACK		
PTD	MEN, WOMEN	SURFACE-MTD AUTO ROLL TOWEL DISPENSER/ WASTE RECEPTACLE	MFR: BOBRICK STYLE: B-3979	SATIN FINISH STAINLESS STEEL		
GB	MEN, WOMEN	STRAIGHT GRAB BAR	MFR: BOBRICK STYLE: FINO COLLECTION, B-9806	SATIN FINISH STAINLESS STEEL		SIZE & CONFIGURATION PER INTERIOR ELEVATIONS
CH	MEN, WOMEN	SURFACE-MTD SINGLE COAT HOOK	MFR: BOBRICK STYLE: B-542	SATIN FINISH STAINLESS STEEL		
SH-1	SHOWERS	PREFAB SINGLE-PIECE FIBERGLASS SHOWER BASE	MFR: EVERFAB STYLE: SP3607RFB	GEL COAT AND FIBERGLASS COMPOSITE	WHITE	
SE-1	SHOWERS	GLASS SHOWER ENCLOSURE	MFR: AGAUTE OR APPROVED EQ STYLE: ACCENT		CLEAR GLASS, MATTE BLACK METAL FINISH	1/4" SEMI-FRAMELESS SWING DOOR, INCLUDE HINGES & 6" X 24" MITERED D-PULL/TOWEL BAR
METAL TRIM						
TRM-1	CARPET TILE TO LVP	FLOOR TRANSITIONS	MFR: SCHLUTER STYLE: SCHIENE A60MGS	ANODIZED ALUMINUM		SEE FLOOR TRANSITION DETAILS
TRM-2	CARPET TILE TO TILE	FLOOR TRANSITIONS	MFR: SCHLUTER STYLE: RENO-U EU125	BRUSHED STAINLESS STEEL		SEE FLOOR TRANSITION DETAILS
TRM-3	BROADLOOM CARPET W/ CUSHION TO LVP & TO EXISTING CARPET	FLOOR TRANSITIONS	MFR: PEMKO STYLE: 157ABSP	POWDER-COATED ALUMINUM	BLACK SUEDE	SEE FLOOR TRANSITION DETAILS
TRM-4	ACOUSTIC FELT WALL PANEL	WALL PANEL EDGE TRIM	MFR: SCHLUTER STYLE: SCHIENE AE210	SATIN ANODIZED ALUMINUM		SEE PANEL TRIM DETAIL, CONFIRM DIMENSION
HARDWARE						
HW-1	CASEWORK	CABINET PULLS	MFR: TOP KNOBS STYLE: KINNEY LENGTH: 5"	FLAT BLACK		
HW-2	SUPPLY HALLWAY LOCKERS	CAM LOCK				
HW-3	SUPPLY HALLWAY LOCKERS	LOCKER NUMBERS				
WINDOW COVERINGS						
RS-1	EXTERIOR WINDOWS	MANUAL ROLLER SHADES W/ FASCIA	MECHOSHADE 5 THERMOVEIL 1500 SERIES	3% OPENNESS	TBD MFR STANDARDS	
RS-2	INTERIOR GLAZING: ADMIN OFFICES, HR OFFICE, AND GLAZED DOORS AT: ADMIN CONF, HR/FINANCE CONF, FMO CONF	MANUAL ROLLER SHADES W/ FASCIA	MECHOSHADE THERMOVEIL 1700 SERIES	1% OPENNESS	TBD MFR STANDARDS	
APPLIANCES						
REF-1	LUNCH RM, ADMIN COFFEE, L2 KITCHEN	FULL HEIGHT ADA COMPLIANT REFRIGERATOR W/ICE MAKER	MFR: SUMMIT STYLE: FF1089PLIM		STAINLESS STEEL	
REF-2	LACTATION RM	BUILT-IN UNDERCOUNTER ADA COMPLIANT REFRIGERATOR	MFR: SUMMIT STYLE: FF6BKB77SSHVADA		STAINLESS STEEL	
REF-3	ADMIN CONF, SMALL CONF, MEDIUM CONF	BUILT-IN UNDERCOUNTER BEVERAGE CENTER	MFR: SUMMIT STYLE: SCR610BLCSS		STAINLESS STEEL	ENERGY STAR CERTIFIED
REF-4	SUPPLY	BUILT-IN UNDERCOUNTER BEVERAGE CENTER, ADA COMPLIANT	MFR: SUMMIT STYLE: ALS7GCSS (VFY)		STAINLESS STEEL	
DW-1	LUNCH RM, ADMIN COFFEE, L2 KITCHEN	ADA COMPLIANT BUILT-IN DISH	MFR: SUMMIT STYLE: DW2443SADA		STAINLESS STEEL	ENERGY STAR CERTIFIED
MICRO	LUNCH RM, ADMIN COFFEE, L2 KITCHEN	BUILT-IN MICROWAVE WITH TRIM KIT	MFR: SUMMIT STYLE: SMB127TK27		STAINLESS STEEL	FLUSH INSTALLATION

01 A221-04

01 A221-04

3 A921 **SKF-TI-FFE-SCHEDULE**

SCALE: 1" = 1'-0"

FINISHES SCHEDULE NOTES

1. SEE SPECIFICATIONS FOR INFORMATION REGARDING FINISHES
2. FOR LIST OF ABBREVIATIONS, SEE COVER SHEET **G001**
3. FOR FLOOR FINISH PLANS, SEE SHEETS **A111-A112**
3. FOR RCP's SEE SHEETS **A2B1-A202**
4. FOR INTERIOR ELEVATIONS SEE SHEETS **A511-A516**

Rev	Date	Issue
01	05/30/25	ADD-04

CONSULTANT'S LOGO

SOUTH KING FIRE ADMINISTRATIVE BUILDING IMPROVEMENTS

720 S 333rd Street
Federal Way, WA 98003

24022
Project #

Weinstein A+U
2200 Western Avenue, Suite 301
Seattle, WA 98121
206.443.8606
www.weinsteinau.com

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FINISH SCHEDULE
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VRF INDOOR UNIT SCHEDULE

MARK	AREA SERVED	DESIGN CONDITIONS					BASIS OF DESIGN						
		NOMINAL COOLING (MBH)	NOMINAL HEATING CAPACITY (MBH)	NOMINAL TOTAL SUPPLY (CFM)	MIN. OUTSIDE AIR (CFM)	EXTERNAL STATIC (IN. W.G.)	MODEL NUMBER	VOLTS/ PHASE	ELECTRICAL MCA/MFS	WEIGHT (LBS)	REF LIQUID (IN. DIA.	REF GAS (IN. DIA.)	REMARKS
IDU-01	131	6,000	6,700	191	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-02	133	6,000	6,700	191	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-03	135	8,000	9,000	600	0	NA	TPKFYP008LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-04	137	8,000	9,000	600	0	NA	TPKFYP008LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-05	130	6,000	6,700	494	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-06	132	6,000	6,700	494	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-07	134	6,000	6,700	494	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-08	136	6,000	6,700	494	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-09	138	6,000	6,700	494	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-10	139	8,000	9,000	600	0	NA	TPKFYP008LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-11	128	12,000	13,500	600	0	NA	TPKFYP012LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-12	143	8,000	9,000	600	0	NA	TPLFYP008FM140B	208/230/1	0.28/0.28/15	50.0	1/4	1/2	1,2,3
IDU-13	142	6,000	6,700	494	0	NA	TPLFYP005FM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-14	140	6,000	6,700	494	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-15	144	6,000	6,700	494	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-16	110	12,000	13,500	600	0	NA	TPLFYP012FM140B	208/230/1	0.29/0.29/15	50.0	1/4	1/2	1,2,3
IDU-17	114	8,000	9,000	600	0	NA	TPLFYP008FM140B	208/230/1	0.28/0.28/15	50.0	1/4	1/2	1,2,3
IDU-18	115	8,000	9,000	600	0	NA	TPLFYP008FM140B	208/230/1	0.28/0.28/15	50.0	1/4	1/2	1,2,3
IDU-19	116	12,000	13,500	600	0	NA	TPLFYP012FM140B	208/230/1	0.29/0.29/15	50.0	1/4	1/2	1,2,3
IDU-20	108	8,000	9,000	600	0	NA	TPKFYP008LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-21	107	8,000	9,000	600	0	NA	TPKFYP008LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-22	106	6,000	6,700	494	0	NA	TPLFYP005FM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-23	105	6,000	6,700	494	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-24	103	8,000	9,000	600	0	NA	TPLFYP008FM140B	208/230/1	0.28/0.28/15	50.0	1/4	1/2	1,2,3
IDU-25	101	8,000	9,000	600	0	NA	TPKFYP008LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-26	120	6,000	6,700	494	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-27	119	6,000	6,700	494	0	NA	TPKFYP006LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-28	118	8,000	9,000	600	0	NA	TPKFYP008LM140B	208/230/1	0.24/0.24/15	50.0	1/4	1/2	1,2,3
IDU-29	117	12,000	13,500	600	0	NA	TPLFYP012FM140B	208/230/1	0.29/0.29/15	50.0	1/4	1/2	1,2,3
IDU-30	202	12,000	13,500	600	0	NA	TPLFYP012FM140B	208/230/1	0.29/0.29/15	50.0	1/4	1/2	1,2,3
SUM		232,000											

NOTES:
A . EXTERNAL STATIC PRESSURE ALLOWS FOR DUCTWORK AND FILTERS. UNIT MANUFACTURER TO ADD ALLOWANCE FOR WET COIL.
B . COIL CONDITIONS: COOLING 80/67 °F EAT DB/WB, 95°F OUTDOOR DB; HEATING: 70°F EAT DB, 43°F OUTDOOR WB

REMARKS:
1. MITSUBISHI R2-SERIES.
2. PROVIDE WITH ATTACHMENT AND MOUNTING ACCESSORIES COMPLETE.
3. PROVIDE WITH INTEGRAL FILTER.
4. CONSTANT VOLUME MIXING SECTION
5. CONSTANT VOLUME FAN COIL
6. REFER TO AIR CONDITIONING UNIT SCHEDULE.

HEAT RECOVERY VENTILATOR SCHEDULE

MARK	DESIGN CONDITIONS					BASIS OF DESIGN					
	AREA SERVED	TOTAL CFM	EFFICIENCY	MIN. OUTSIDE AIR CFM	EXTERNAL SP (IN.W.G.)	MODEL NUMBER	KW	VOLTS/ PHASE	CURRENT INPUT (AMPS)	WEIGHT (LBS.)	REMARKS
DOAS-1	NORTH	940	69.0% SENS	895	1.0	LGH-F940RVX2-E	0.85	208/1	0.2	225.0	1,2,3,4
DOAS-2	SOUTH	940	69.0% SENS	895	1.0	LGH-F940RVX2-E	0.85	208/1	0.2	225.0	1,2,3,4
DOAS-3	ADD. ALT. CONF/KITCHEN	300	65.5% SENS	300	1.0	LGH-F300RVX2-E	0.235	208/1	0.1	75.0	1,2,3,4
SUM		2,180.0		1,790							

ADD-04

REMARKS:

1. AIR TO AIR HEAT RECOVERY VENTILATOR, LOSSNAY OR ACCEPTED EQUAL.
2. FILTER TYPE: MERV 13 FOR OUTSIDE AIR. MIN MERV 8 ON EXHUAST.
3. PROVIDE WITH BYPASS DAMPER CONTROL. ACTIVATED BETWEEN 55F AND 75F OAT AND MODULATES SUPPLY AIR BASED ON DDC ZONE-BASED COOLING SYSTEM STATUS (PER WSEC C406.2.2.6).
4. UNIT MUST MEET C406.2.2.6 PERFORMANCE REQUIREMENTS FOR FAN POWER.

BRANCH CIRCUIT CONTROLLER SCHEDULE

MARK	OUTDOOR UNIT	NUMBER OF PORTS	TYPE	BASIS OF DESIGN						NOTES
				MANUFACTURER	MODEL NUMBER	WEIGHT (LBS)	VOLTS/PHASE	MCA 208/230 (A)	MOCP (A)	
BC-1	ODU-1	8	MAIN	MITSUBISHI	TCMBM0108JA21N4	106	208/230/1	0.8/1.0	20	1,2
SBC-1	ODU-1	8	SUB	MITSUBISHI	TCMBS0108KB21N4	69	208/230/1	0.7/0.9	20	1,2
BC-2	ODU-2	8	MAIN	MITSUBISHI	TCMBM0108JA21N4	106	208/230/1	0.8/1.0	20	1,2
SBC-2	ODU-2	8	SUB	MITSUBISHI	TCMBS0108KB21N4	69	208/230/1	0.7/0.9	20	1,2

NOTE:S:

1- INCLUDE VALVES ON ALL PIPE CONNECTIONS.
2- INCLUDE CONDENSATE PUMP.

ELECTRIC UNIT HEATERS SCHEDULE

EQUIP ID	LOCATION	FAN		ELECTRIC HEAT	OPER WEIGHT MAX LBS	BASIS OF DESIGN		REMARKS
		FLOW: CFM	VOLTS/PHASE	CAP: WATTS		MANUFACTURER	MODEL	
EUH-1	STAIRS	75	208 / 1	2000	9.5	KING	PAW2022	1
EUH-2	FIRE	75	208 / 1	2000	9.5	KING	PAW2022	1

NOTES:
1. INTEGRAL THERMOSTAT.

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

MARK	CFM	NC LEVEL	STATIC PRESSURE	CEILING OR MOUNT TYPE	SIZE		BASIS FOR DESIGN	NOTES
					FRAME/PANEL	CONNECTION		
SG-1	25-40	< 10	0.072	LAY-IN	1-LF SLOT		TITUS FL-10, 1" SLOT, 1X SLOT	1,2,3
SG-2	110-130	17	0.063	LAY-IN	2-LF SLOT		TITUS FL-10, 1" SLOT, 2X SLOT	1,2,3
SG-3	55	< 10	0.032	LAY-IN	1-LF SLOT		TITUS FL-10, 1.5" SLOT, 2X SLOT	1,2,3
SG-4	60-90	< 10	0.032	LAY-IN	2-LF SLOT		TITUS FL-10, 1.5" SLOT, 2X SLOT	1,2,3
SG-5	250	< 17	0.029	LAY-IN	10 x 10		TITUS MCD	1,2,3
EG-1	385	< 12	0.024	DUCT	24 X 6		TITUS 50F	1,2,3
EG-2	25-75	<11	0.013	DUCT	12 X 6		TITUS 50F	1,2,3
EG-3	125	<11	0.024	DUCT	12 X 6		TITUS 50F	1,2,3
EG-4	205	< 12	0.024	DUCT	12 X 6		TITUS 50F	1,2,3
EG-5	420	< 12	0.037	DUCT	24 X 6		TITUS 50F	1,2,3
EG-6	300	< 12	0.037	DUCT	10 x 10		TITUS 50F	1,2,3
TG-1	25-200	< 19	0.062	LAY-IN	1-LF SLOT		TITUS FL-20, 2" SLOT, 2X SLOT	1,2,3
TG-1	300	< 12	0.024	DUCT	12 X 6		TITUS 50F	1,2,3

NOTES:
1. DUCT CONNECTION TO DIFFUSER OR GRILLE SHALL BE MIMIMUM NECK SIZE.
2. PROVIDE SMOOTH, GRADUAL SHEETMETAL FITTING TRANSITION FROM DUCT TO GRILLE, REGISTER OR DIFFUSER.
3. REFER TO ARCHITECTURAL PLANS (FLOOR, CEILING AND ELEVATIONS) TO DETERMINE FRAME TYPE AND LOCATION.
4. PROVIDE ADDITIONAL STRUCTURAL SUPPORT FOR OVERSIZE AIR TERMINAL AS REQUIRED.

VENTILATION CALC

ZONE NAME AND NUMBER	OCCUPANCY CATEGORY	ZONE FLOOR AREA	ARE YOU USING DEFAULT VALUE FOR ZONE POPULATION?	ZONE POPULATION	PEOPLE OUTDOOR AIR RATE	AREA OUTDOOR AIR RATE	BREATHING ZONE OUTDOOR AIRFLOW (PEOPLE RELATED PORTION)	BREATHING ZONE OUTDOOR AIRFLOW (AREA RELATED PORTION)	BREATHING ZONE OUTDOOR AIRFLOW	ZONE AIR DISTRIBUTION EFFECTIVENESS	ZONE OUTDOOR AIRFLOW	ZONE OUTDOOR AIRFLOW PROVIDED
		AZ		PZ	RP	RA			VBZ	EZ	VOZ	(MEASURED OR DESIGN)
		(SQ FT)		(PEOPLE)	(cfm per person)	(cfm per sq ft)	(CFM)	(CFM)	(CFM)		(CFM)	(CFM)
							RP PZ	RA AZ	(RP PZ + RA AZ)		VBZ / EZ	
					0.00	0.00	0.00	0.00	0.00		0.00	
OFFICE LAURI	OFFICE SPACE	214	YES	0.00	5.00	0.06	0.00	12.86	12.86	1.00	12.86	25
STORAGE (LAURI)	STORAGE ROOMS	57	YES	0.00	0.00	0.12	0.00	6.82	6.82	1.00	6.82	10
OFFICE CHIEF	OFFICE SPACE	281	YES	0.00	5.00	0.06	0.00	16.87	16.87	1.00	16.87	30
OFFICE ASST CHIEF	OFFICE SPACE	214	YES	0.00	5.00	0.06	0.00	12.85	12.85	1.00	12.85	25
DEPUTY 1	OFFICE SPACE	214	YES	0.00	5.00	0.06	0.00	12.85	12.85	1.00	12.85	25
OFFICE JOE	OFFICE SPACE	219	YES	0.00	5.00	0.06	0.00	13.15	13.15	1.00	13.15	25
DIST CHIEF 1	OFFICE SPACE	153	YES	0.00	5.00	0.06	0.00	9.16	9.16	1.00	9.16	25
DIST CHIEF 2	OFFICE SPACE	153	YES	0.00	5.00	0.06	0.00	9.16	9.16	1.00	9.16	25
DIST CHIEF 3	OFFICE SPACE	153	YES	0.00	5.00	0.06	0.00	9.16	9.16	1.00	9.16	25
DEPUTY 3	OFFICE SPACE	207	YES	0.00	5.00	0.06	0.00	12.39	12.39	1.00	12.39	25
DEPUTY 2	OFFICE SPACE	220	YES	0.00	5.00	0.06	0.00	13.17	13.17	1.00	13.17	25
ADMIN CONF	CONFERENCE / MEETING	328	YES	0.00	5.00	0.06	0.00	19.67	19.67	1.00	19.67	125
SUPPLY/COFFEE	BREAKROOMS (OFFICE BUILDINGS)	89	YES	0.00	5.00	0.12	0.00	10.69	10.69	1.00	10.69	40
OFFICE MITCHEL	OFFICE SPACE	216	YES	0.00	5.00	0.06	0.00	12.96	12.96	1.00	12.96	25
IT LAB	OFFICE SPACE	189	YES	0.00	5.00	0.06	0.00	11.36	11.36	1.00	11.36	50
IT WS-6	OFFICE SPACE	369	NO	6.00	5.00	0.06	30.00	22.12	52.12	1.00	52.12	40
STOR (MITCHEL)	STORAGE ROOMS	69	YES	0.00	0.00	0.12	0.00	8.32	8.32	1.00	8.32	25
STOR (MENS)	STORAGE ROOMS	98	YES	0.00	0.00	0.12	0.00	11.70	11.70	1.00	11.70	25
HOTEL WS-3	OFFICE SPACE	163	NO	3.00	5.00	0.06	15.00	9.79	24.79	1.00	24.79	25
NORTH HALL	CORRIDORS	762	YES	0.00	0.00	0.06	0.00	45.72	45.72	1.00	45.72	55
CENTRAL HALL	CORRIDORS	1,455	YES	0.00	0.00	0.06	0.00	87.30	87.30	1.00	87.30	95
SOUTH HALL	CORRIDORS	418	YES	0.00	0.00	0.06	0.00	25.08	25.08	1.00	25.08	40
OFFICE ISSAC	OFFICE SPACE	215	YES	0.00	5.00	0.06	0.00	12.90	12.90	1.00	12.90	25
LUNCH/BREAK	BREAKROOMS (OFFICE BUILDINGS)	481	YES	0.00	5.00	0.12	0.00	57.72	57.72	1.00	57.72	75
NURSE	OFFICE SPACE	89	YES	0.00	5.00	0.06	0.00	5.36	5.36	1.00	5.36	25
QUIET	OFFICE SPACE	89	YES	0.00	5.00	0.06	0.00	5.36	5.36	1.00	5.36	25
MEDIUM CONF	CONFERENCE / MEETING	402	YES	0.00	5.00	0.06	0.00	24.10	24.10	1.00	24.10	130
SMALL CONF	CONFERENCE / MEETING	320	YES	0.00	5.00	0.06	0.00	19.17	19.17	1.00	19.17	110
MAIL/SUPPLY/COFFEE	STORAGE ROOMS	359	YES	0.00	0.00	0.12	0.00	43.05	43.05	1.00	43.05	55
HR/FINANCE CONF RM	CONFERENCE / MEETING	148	YES	0.00	5.00	0.06	0.00	8.85	8.85	1.00	8.85	25
FINANCE 2-WS	OFFICE SPACE	159	NO	2.00	5.00	0.06	10.00	9.54	19.54	1.00	19.54	25
LOBBY	MAIN ENTRY LOBBIES	160	YES	0.00	5.00	0.06	0.00	9.57	9.57	1.00	9.57	30
COMM 3-WS	OFFICE SPACE	324	NO	3.00	5.00	0.06	15.00	19.42	34.42	1.00	34.42	75
FMO 9-WS	OFFICE SPACE	874	NO	9.00	5.00	0.06	45.00	52.41	97.41	1.00	97.41	75
HR 3-WS	OFFICE SPACE	280	NO	3.00	5.00	0.06	15.00	16.80	31.80	1.00	31.80	25
HR OFFICE	OFFICE SPACE	222	YES	0.00	5.00	0.06	0.00	13.33	13.33	1.00	13.33	25
FINACNE OFFICE	OFFICE SPACE	219	YES	0.00	5.00	0.06	0.00	13.12	13.12	1.00	13.12	25
FINANCE 4-WS	OFFICE SPACE	276	NO	4.00	5.00	0.06	20.00	16.56	36.56	1.00	36.56	40
RECEPTION	RECEPTION AREAS	210	YES	0.00	5.00	0.06	0.00	12.58	12.58	1.00	12.58	60
FMO OFFICE 1	OFFICE SPACE	200	YES	0.00	5.00	0.06	0.00	11.97	11.97	1.00	11.97	25
FMO OFFICE 2	OFFICE SPACE	153	YES	0.00	5.00	0.06	0.00	9.15	9.15	1.00	9.15	25
FMO (SE CONF AREA)	CONFERENCE / MEETING	200	YES	0.00	5.00	0.06	0.00	12.00	12.00	1.00	12.00	75
												1,785

EXHAUST FAN SCHEDULE

MARK	TYPE	LOCATION	AIRFLOW (CFM)	SP (IN W.G.)	WEIGHT (LBS)	SONES	ELECTRICAL			REMARKS
							HP	VOLTS	PHASE	
EF-1	EXHAUST AIR	MDF	110	0.10	-	1.2	-	115/208-230	1	BASIS OF DESIGN: PANASONIC WHISPERGREEN

ROOF VENTILATOR SCHEDULE

MARK	CFM	PRESSURE DROP	THROAT DIMENSIONS	WEIGHT, LBS	REMARKS
RV-1	1880	0.022	28 x 28	91	PROVIDE WITH BIRD SCREEN, MOTOR OPERATED DAMPER, AND SLOPED ROOF CURB. BASIS: GREENHECK WH
RV-2	1880	0.018	28 x 28	91	PROVIDE WITH BIRD SCREEN, MOTOR OPERATED DAMPER, AND SLOPED ROOF CURB. BASIS: GREENHECK WRH

C406.2.2 HIGH PERFORMANCE DEDICATED OUTDOOR AIR SYSTEM

	DOAS-1	DOAS-2	DOAS-3
ALLOWANCE:			
SUPPLY BASE	0.232	0.232	0.232
100% OA	0.07	0.07	0.07
SUP ERR > 80	0.289	0.289	0.289
SUP MERV 13	0.139	0.139	0.139
EXHAUST BASE	0.186	0.186	0.186
EXH FILTER	0.046	0.046	0.046
EXH ERR > 80	0.291	0.291	0.291
TOTAL FPA COMP	1.253	1.253	1.253
Q COMP	940	940	380
Q SYS	940	940	380
FPA ADJ	1.253	1.253	1.253
FAN BUDGET	1.178	1.178	0.476
C406.2.2.6 REDUCTION	0.8	0.8	0.8
C406 FAN BUDGET	0.94	0.94	0.38
DESIGN FAN KW	0.850	0.850	0.340
DESIGN W/CFM	0.904	0.904	0.895
PASS/FAIL	PASS	PASS	FAIL

DOAS-3 REPRESENTS ~6.5% OF THE FLOOR AREA. ~860 SF OF A TOTAL ~13,100.
93% OF THE PROJECT'S CONDITIONED AREA IS SERVED BY COMPLIANT DOAS UNITS.

VRF OUTDOOR UNIT SCHEDULE

MARK	REMARKS
ODU-1	AIR COOLED OUTDOOR UNIT. 120 MBH NOMINAL COOLING CAPACITY, 95° DB ENTERING AIR, 80°/67°F DB/WB INDOOR. 135 MBH NOMINAL HEATING CAPACITY, 43° WB ENTERING AIR, 70 DEGREE DB INDOOR. 34 MCA, 208/230 VOLT, 3 PHASE, 60 HZ INVERTER DRIVEN SCROLL COMPRESSOR, R410A REFRIGERANT, 21.95 IEER, 3.875 COP 715 POUNDS NET WEIGHT. MITSUBISHI/TRANE CITY MULTI TURYE1204AN41AN. PROVIDE WITH JOINT KIT, LOW AMBIENT, SNOW/HAIL GUARDS AND BASE PANEL HEATER.
ODU-2	AIR COOLED OUTDOOR UNIT. 120 MBH NOMINAL COOLING CAPACITY, 95° DB ENTERING AIR, 80°/67°F DB/WB INDOOR. 135 MBH NOMINAL HEATING CAPACITY, 43° WB ENTERING AIR, 70 DEGREE DB INDOOR. 34 MCA, 208/230 VOLT, 3 PHASE, 60 HZ INVERTER DRIVEN SCROLL COMPRESSOR, R410A REFRIGERANT, 21.95 IEER, 3.875 COP 715 POUNDS NET WEIGHT. MITSUBISHI/TRANE CITY MULTI TURYE1204AN41AN. PROVIDE WITH JOINT KIT, LOW AMBIENT, SNOW/HAIL GUARDS AND BASE PANEL HEATER.

Rev	Date	Issue
ADD-04	5/30/25	ADDENDUM 4

THE GREENBUSCH GROUP, INC
ACOUSTICAL, AUDIO / VIDEO & MECHANICAL ENGINEERING
1448 ELLIOTT AVE W, SEATTLE, WA 98119
(206) 378-0569 www.greenbusch.com

SOUTH KING FIRE ADMINISTRATIVE BUILDING IMPROVEMENTS

720 S 333rd Street
Federal Way, WA 98003

24022
Project #

Weinstein A+U
2200 Western Avenue, Suite 301
Seattle, WA 98121
206.443.8606
www.weinsteinau.com

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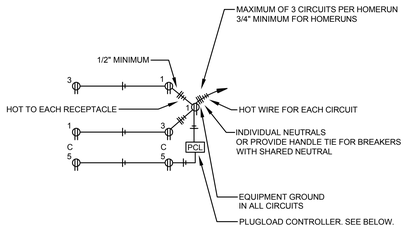
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Issue Date

MECHANICAL SCHEDULES
Sheet Title

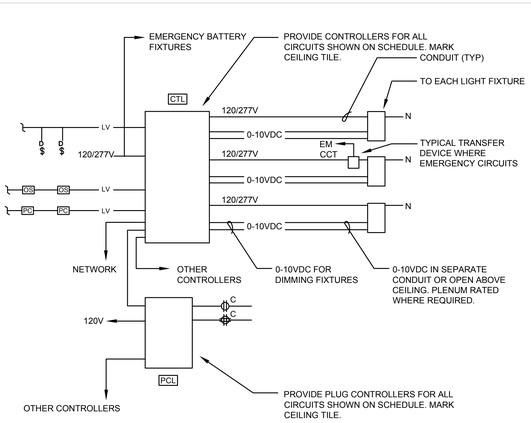
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206.443.8606
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TYPICAL RECEPTACLE CIRCUITING DETAIL

SCALE: NONE



TYPICAL LIGHTING CONTROL DETAIL

SCALE: NONE

LEGEND

- CONDUIT CONCEALED IN CEILING OR WALLS
- CONDUIT CONCEALED UNDERGROUND, UNDER FLOOR, OR IN WALL
- 3/4" CONDUIT, NUMBER OF MARKS SHOWS NUMBER OF #12 WIRES. NO MARKS=2#12
- HOME RUN WITH DESTINATION INDICATED, MINIMUM 3/4"
- SURFACE OR PENDANT MOUNTED FIXTURE
- RECESSED LIGHT FIXTURE
- SURFACE OR PENDANT LIGHT FIXTURE
- WALL MOUNTED FIXTURE
- VANITY LIGHT, WALL MOUNTED
- UNDERCABINET LIGHT WITH INTEGRAL SWITCH
- EXIT SIGN LIGHT FIXTURE TYPE X, EXCEPT AS NOTED
- FIXTURE WITH INTEGRAL EMERGENCY BATTERY
- WALL SWITCH, 1-POLE
- WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR
- DIGITAL WALL SWITCH
- DIMMER WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR
- OCCUPANCY SENSOR
- PHOTOCELL
- RELAY PACK
- XXX XXXX LIGHTING FIXTURE TYPE DESIGNATOR, SEE LIGHT FIXTURE SCHEDULE
- CTL LIGHTING ROOM CONTROLLER
- PCL PLUG LOAD CONTROLLER
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE ABOVE COUNTER
- CONTROLLED DUPLEX RECEPTACLE
- CONTROLLED DUPLEX RECEPTACLE ABOVE COUNTER
- DOUBLE DUPLEX RECEPTACLE
- CONTROLLED DOUBLE DUPLEX RECEPTACLE
- GFI GROUND FAULT INTERRUPTER RECEPTACLE
- WP WEATHERPROOF DUPLEX RECEPTACLE (GFI TYPE)
- SPLIT-WIRED RECEPTACLE
- FLUSH FLOOR DUPLEX RECEPTACLE
- DRYER OUTLET, NEMA 14-30R, SINGLE PHASE
- HO HOOD OUTLET
- RO RANGE OUTLET, NEMA 14-50R, 208V, SINGLE PHASE
- THERMOSTAT
- EQUIPMENT CONNECTION
- MOTOR CONNECTION
- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- UFSD POKE THROUGH WITH DEVICES AS SHOWN
- FSD FIRE SMOKE DAMPER CONNECTION, TO CLOSE ONLY ON LOCAL SMOKE DETECTION
- FA FIRE ALARM CONNECTION
- S SMOKE DETECTOR
- FA HORN/STROBE
- FA SPEAKER, WEATHER PROOF
- FA STROBE
- D DOOR HOLD, RELEASE ON BUILDING FA SIGNAL OR LOCAL SMOKE DETECTION; SEE PLANS
- F FIRE ALARM PULL STATION
- FLOW OR TAMPER SWITCH
- FS SPRINKLER FLOW SWITCH CONNECTION
- TS SPRINKLER TAMPER SWITCH CONNECTION
- AV AV OUTLET
- SINGLE PORT DATA OUTLET
- TWO PORT DATA OUTLET
- WAP SINGLE PORT DATA OUTLET FOR WIRELESS ACCESS POINT
- TV OUTLET
- CCTV CAMERA
- CR CARD READER
- LR LONG RANGE CARD READER
- EL ELECTRIC LOCK
- DS DOOR SWITCH
- REQUEST TO EXIT DEVICE
- K KEYPAD FOR SECURITY SYSTEM (MOTION DETECTION)
- MS MOTION SENSOR
- 208 VOLT PANEL
- 480 VOLT PANEL
- WP WEATHERPROOF
- GFI GROUND FAULT CIRCUIT INTERRUPTER
- A/B DETAIL INDICATOR WITH SHEET WHERE DRAWN INDICATED
- 1 FLAG NOTE
- EXIST DEVICE/FIXTURE AS INDICATED
- EXIST DEVICE/FIXTURE AS INDICATED TO BE REMOVED

Rev	Date	Issue
2	5/30/2025	ADDENDUM 04
1	5/22/2025	ADDENDUM 03

TFWB ENGINEERS
Travis Fitzmaurice Wartelle Balangue Engineers Inc.
1000 Westlake Ave. N., #309
Seattle, WA 98109
p. 206.285.7228 | info@tfwb.com

SOUTH KING FIRE ADMINISTRATIVE BUILDING IMPROVEMENTS

720 S 333rd Street
Federal Way, WA 98003

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Project #

Weinstein A+U
2200 Western Avenue, Suite 301
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206.443.8606
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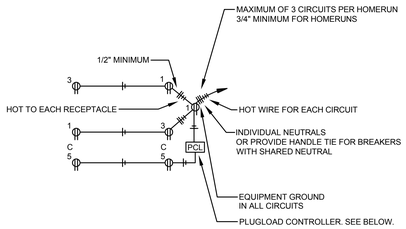
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LEGEND
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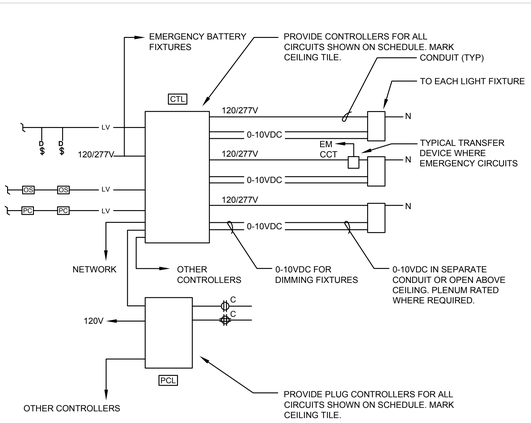
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TYPICAL RECEPTACLE CIRCUITING DETAIL

SCALE: NONE



TYPICAL LIGHTING CONTROL DETAIL

SCALE: NONE

LEGEND

- CONDUIT CONCEALED IN CEILING OR WALLS
- CONDUIT CONCEALED UNDERGROUND, UNDER FLOOR, OR IN WALL
- 3/4" CONDUIT, NUMBER OF MARKS SHOWS NUMBER OF #12 WIRES. NO MARKS=2#12
- HOME RUN WITH DESTINATION INDICATED, MINIMUM 3/4"
- SURFACE OR PENDANT MOUNTED FIXTURE
- RECESSED LIGHT FIXTURE
- SURFACE OR PENDANT LIGHT FIXTURE
- WALL MOUNTED FIXTURE
- VANITY LIGHT, WALL MOUNTED
- UNDERCABINET LIGHT WITH INTEGRAL SWITCH
- EXIT SIGN LIGHT FIXTURE TYPE X, EXCEPT AS NOTED
- FIXTURE WITH INTEGRAL EMERGENCY BATTERY
- WALL SWITCH, 1-POLE
- WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR
- DIGITAL WALL SWITCH
- DIMMER WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR
- OCCUPANCY SENSOR
- PHOTOCELL
- RELAY PACK
- XXX XXXX LIGHTING FIXTURE TYPE DESIGNATOR, SEE LIGHT FIXTURE SCHEDULE
- CTL LIGHTING ROOM CONTROLLER
- PCL PLUG LOAD CONTROLLER
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE ABOVE COUNTER
- CONTROLLED DUPLEX RECEPTACLE
- CONTROLLED DUPLEX RECEPTACLE ABOVE COUNTER
- DOUBLE DUPLEX RECEPTACLE
- CONTROLLED DOUBLE DUPLEX RECEPTACLE
- GFI GROUND FAULT INTERRUPTER RECEPTACLE
- WP WEATHERPROOF DUPLEX RECEPTACLE (GFI TYPE)
- SPLIT-WIRED RECEPTACLE
- FLUSH FLOOR DUPLEX RECEPTACLE
- DRYER OUTLET, NEMA 14-30R, SINGLE PHASE
- HO HOOD OUTLET
- RO RANGE OUTLET, NEMA 14-50R, 208V, SINGLE PHASE
- THERMOSTAT
- EQUIPMENT CONNECTION
- MOTOR CONNECTION
- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- UFSD POKE THROUGH WITH DEVICES AS SHOWN
- FSD FIRE SMOKE DAMPER CONNECTION, TO CLOSE ONLY ON LOCAL SMOKE DETECTION
- FA FIRE ALARM CONNECTION
- S SMOKE DETECTOR
- FA HORN/STROBE
- FA SPEAKER, WEATHER PROOF
- FA STROBE
- D DOOR HOLD, RELEASE ON BUILDING FA SIGNAL OR LOCAL SMOKE DETECTION; SEE PLANS
- F FIRE ALARM PULL STATION
- FLOW OR TAMPER SWITCH
- FS SPRINKLER FLOW SWITCH CONNECTION
- TS SPRINKLER TAMPER SWITCH CONNECTION
- AV AV OUTLET
- SINGLE PORT DATA OUTLET
- TWO PORT DATA OUTLET
- WAP SINGLE PORT DATA OUTLET FOR WIRELESS ACCESS POINT
- TV OUTLET
- CCTV CAMERA
- CR CARD READER
- LR LONG RANGE CARD READER
- EL ELECTRIC LOCK
- DS DOOR SWITCH
- REQUEST TO EXIT DEVICE
- K KEYPAD FOR SECURITY SYSTEM (MOTION DETECTION)
- MS MOTION SENSOR
- 208 VOLT PANEL
- 480 VOLT PANEL
- WP WEATHERPROOF
- GFI GROUND FAULT CIRCUIT INTERRUPTER
- A/B DETAIL INDICATOR WITH SHEET WHERE DRAWN INDICATED
- 1 FLAG NOTE
- EXIST DEVICE/FIXTURE AS INDICATED
- EXIST DEVICE/FIXTURE AS INDICATED TO BE REMOVED

Rev	Date	Issue
2	5/30/2025	ADDENDUM 04
1	5/22/2025	ADDENDUM 03

TFWB ENGINEERS
Travis Fitzmaurice Wartelle Balangue Engineers Inc.
1000 Westlake Ave. N., #309
Seattle, WA 98109
p. 206.285.7228 | info@tfwb.com

SOUTH KING FIRE ADMINISTRATIVE BUILDING IMPROVEMENTS

720 S 333rd Street
Federal Way, WA 98003

24022
Project #

Weinstein A+U
2200 Western Avenue, Suite 301
Seattle, WA 98121
206.443.8606
www.weinsteinau.com

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Issue

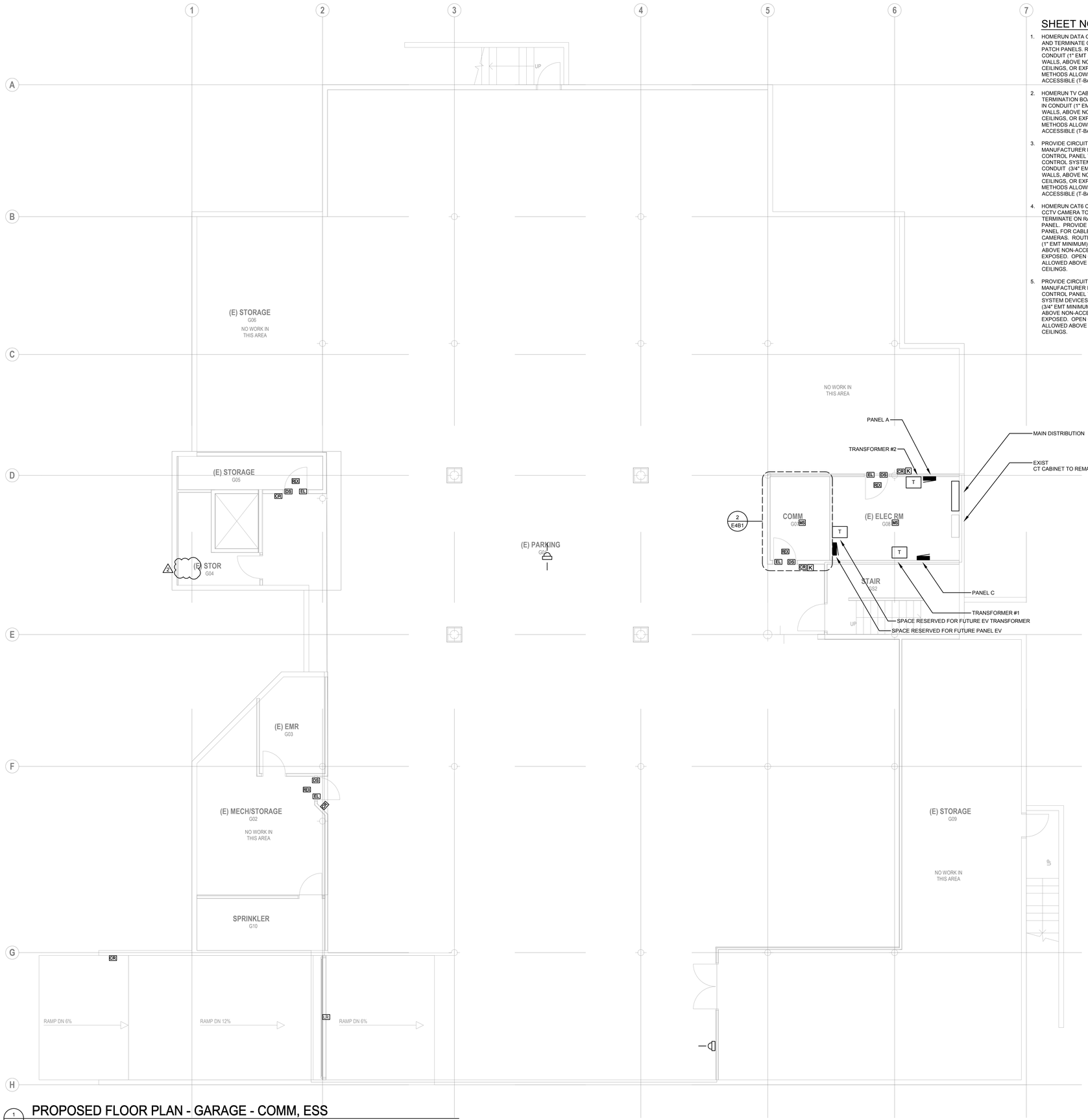
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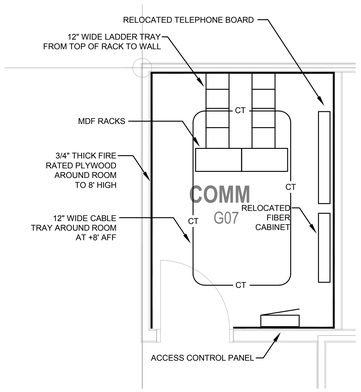
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WeinsteinAU.com
206.443.8606

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2 E4B1 **ENLARGED COMM G07 - COMM,ESS**
SCALE: 3/8" = 1'-0"

1 E4B1 **PROPOSED FLOOR PLAN - GARAGE - COMM, ESS**
SCALE: 3/16" = 1'-0"

SHEET NOTES:

1. HOMERUN DATA CABLES TO MDF RACK AND TERMINATE ON RACK MOUNTED PATCH PANELS. ROUTE CABLES IN CONDUIT (1" EMT MINIMUM) WHERE IN WALLS, ABOVE NON-ACCESSIBLE CEILINGS, OR EXPOSED. OPEN CABLING METHODS ALLOWED ABOVE ACCESSIBLE (T-BAR)CEILINGS.
2. HOMERUN TV CABLES TO TV TERMINATION BOARD. ROUTED CABLES IN CONDUIT (1" EMT MINIMUM) WHERE IN WALLS, ABOVE NON-ACCESSIBLE CEILINGS, OR EXPOSED. OPEN CABLING METHODS ALLOWED ABOUT ACCESSIBLE (T-BAR) CEILINGS.
3. PROVIDE CIRCUITRY AS REQUIRED BY MANUFACTURER FROM ACCESS CONTROL PANEL TO ALL ACCESS CONTROL SYSTEM DEVICES. ROUTE IN CONDUIT (3/4" EMT MINIMUM) WHERE IN WALLS, ABOVE NON-ACCESSIBLE CEILINGS, OR EXPOSED. OPEN CABLING METHODS ALLOWED ABOVE ACCESSIBLE (T-BAR) CEILINGS.
4. HOMERUN CAT6 CABLE FROM EACH CCTV CAMERA TO MDF RACK AND TERMINATE ON RACK MOUNTED PATCH PANEL. PROVIDE DEDICATED PATCH PANEL FOR CABLES SERVING CCTV CAMERAS. ROUTE CABLES IN CONDUIT (1" EMT MINIMUM) WHERE IN WALLS, ABOVE NON-ACCESSIBLE CEILINGS, OR EXPOSED. OPEN CABLING METHODS ALLOWED ABOVE ACCESSIBLE (T-BAR) CEILINGS.
5. PROVIDE CIRCUITRY AS REQUIRED BY MANUFACTURER FROM FIRE ALARM CONTROL PANEL TO ALL FIRE ALARM SYSTEM DEVICES. ROUTE IN CONDUIT (3/4" EMT MINIMUM) WHERE IN WALLS, ABOVE NON-ACCESSIBLE CEILINGS, OR EXPOSED. OPEN CABLINE METHODE ALLOWED ABOVE ACCESSIBLE (T-BAR) CEILINGS.

Rev	Date	Issue
2	5/30/2025	ADDENDUM 04
1	5/22/2025	ADDENDUM 03

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Issue Date

PROPOSED FLOOR PLAN - GARAGE - COMM, ESS
Sheet Title

E4B1

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WeinsteinAU.com
206.443.8606

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SECTION 035413 - GYPSUM CEMENT UNDERLAYMENT

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes self-leveling, gypsum cement underlayment and sound mat for application below interior floor coverings.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Provide documentation consistent with 1 hour fire rated floor/ceiling assembly as shown on Drawings.

1.3 QUALITY ASSURANCE

A. Installer Qualifications: Installer who is approved by manufacturer for application of underlayment products required for this Project.

1.4 FIELD CONDITIONS

A. Environmental Limitations: Comply with manufacturer's written instructions for substrate temperature, ventilation, ambient temperature and humidity, and other conditions affecting underlayment performance.

1. Place gypsum cement underlayments only when ambient temperature and temperature of substrates are between 50 degrees F and 80 degrees F.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Resistance Ratings: Comply with ASTM E119; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Indicate design designations from UL's "Fire Resistance Directory" or from the listings of another qualified testing agency.

B. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated, according to ASTM E90 and classified according to ASTM E413 by an independent testing agency.

C. IIC-Rated Assemblies: For IIC-rated assemblies, provide materials and construction identical to those tested in assembly indicated, according to ASTM E492 and classified according to ASTM E989 by an independent testing agency.

2.2 GYPSUM CEMENT UNDERLAYMENTS

A. Gypsum Cement Underlayment: Self-leveling, gypsum cement product that can be applied in minimum uniform thickness of 1/8 inch and that can be feathered at edges to match adjacent floor elevations.

1. Products: Subject to compliance with requirements, provide the following:

   a. Gyp-Crete 2000/3.2K Floor Underlayment.

2. Cement Binder: Gypsum or blended gypsum cement as defined by ASTM C219.
3. Compressive Strength: 2000 psi to 3200 psi at 28 days when tested according to ASTM C109/C109M.
4. Underlayment Additive: Resilient-emulsion product of underlayment manufacturer, formulated for use with underlayment when applied to substrate and conditions indicated.

B. Aggregate: Well-graded, washed gravel, 1/8 inch to 1/4 inch; or coarse sand as recommended by underlayment manufacturer.

   1. Provide aggregate when recommended in writing by underlayment manufacturer for underlayment thickness required.

C. Water: Potable and at a temperature of not more than 70 degrees F.

D. Reinforcement: For underlayment applied to wood substrates, provide galvanized metal lath or other corrosion-resistant reinforcement recommended in writing by underlayment manufacturer.

E. Primer: Product of underlayment manufacturer recommended in writing for substrate, conditions, and application indicated.

   1. Primers: VOCs shall be 100g/L or less.

F. Surface Sealer: Designed to reduce porosity as recommended by manufacturer for type of floor covering to be applied to underlayment.

   1. Sealers: VOCs shall be 100g/L or less.

ADD-04

~~2.3 ACCESSORIES~~

~~A. Sound Mat (Acoustical Mat): Entangled net sound mat double laminated to both a point bonded moisture resistant fabric as well as secondarily to a high-loft polyester fabric, 1/4 inch (6mm) thick. As required to meet STC and IIC ratings, manufactured by gypsum cement underlayment manufacturer.~~

~~1. Products: Subject to compliance with requirements, provide the following:~~

~~a. Maxxon; Acousti Mat 1/4 (formerly Enkasonic).~~
~~b. Keene Building Products; Quiet Qurl 025 MT Muffling Technology (formerly Quiet Qurl 55-025MCMT).~~

PART 3 - EXECUTION

3.1 PREPARATION

A. General: Prepare and clean substrate according to manufacturer's written instructions.

   1. Treat nonmoving substrate cracks according to manufacturer's written instructions to prevent cracks from telegraphing (reflecting) through underlayment.
   2. Fill substrate voids to prevent underlayment from leaking.

B. Concrete Substrates: Mechanically remove, according to manufacturer's written instructions, laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants that might impair underlayment bond.

1. Moisture Testing: Perform tests so that each test area does not exceed 200 sq. ft. and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.

a. Anhydrous Calcium Chloride Test, ASTM F1869: Proceed with installation only after substrates do not exceed a maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
b. Relative Humidity Test: Using in-situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 85 percent relative humidity level measurement, or as recommended by gypsum cement underlayment manufacturer.

C. Wood Substrates: Mechanically fasten loose boards and panels to eliminate substrate movement and squeaks. Sand to remove coatings that might impair underlayment bond and remove sanding dust.

1. Install underlayment reinforcement recommended in writing by manufacturer.

D. Adhesion Tests: After substrate preparation, test substrate for adhesion with underlayment according to manufacturer's written instructions.

E. Sound Control Mat: Install sound control materials according to manufacturer’s written instructions.

1. Do not install mechanical fasteners that penetrate through the control materials.

3.2 APPLICATION

A. General: Mix and apply underlayment components according to manufacturer's written instructions.

1. Close areas to traffic during underlayment application and for time period after application recommended in writing by manufacturer.
2. Coordinate application of components to provide optimum adhesion to substrate and between coats.
3. At substrate expansion, isolation, and other moving joints, allow joint of same width to continue through underlayment.

B. Apply primer over prepared substrate at manufacturer's recommended spreading rate.

C. Apply underlayment to produce uniform, level surface.

1. Apply a final layer without aggregate to product surface.
2. Feather edges to match adjacent floor elevations.

D. Provide perimeter isolation at demising and corridor wall framing.

E. Cure underlayment according to manufacturer's written instructions. Prevent contamination during application and curing processes.

F. Do not install floor coverings over underlayment until after time period recommended in writing by underlayment manufacturer.

G. Apply surface sealer at rate recommended by manufacturer.

H. Remove and replace underlayment areas that evidence lack of bond with substrate, including areas that emit a "hollow" sound when tapped.

3.3 PROTECTION

A. Protect underlayment from concentrated and rolling loads for remainder of construction period.

END OF SECTION 035413

SECTION 098433 - SOUND-ABSORBING WALL PANELS AND MOVABLE SCREENS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes shop-fabricated, sound-absorbing acoustical panel units and movable screens tested for acoustical performance.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: For unit assembly and installation.

C. Samples: For each exposed product and for each color and texture specified.

1.4 INFORMATIONAL SUBMITTALS

A. Product certificates.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance data.

1.6 WARRANTY

A. Warranty: Manufacturer and Installer agree to repair or replace components of sound-absorbing systems that fail in performance, materials, or workmanship within specified warranty period.

1. Warranty Period: 20 years from date of Substantial Completion.

B. Colorfastness Warranty: Manufacturer and Installer agree to repair or replace components of sound-absorbing systems that fail in visual aesthetics by fading.

1. Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics: Units shall comply with "Surface-Burning Characteristics" or "Fire Growth Contribution" Subparagraph below, or both, as determined by testing identical products by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:

1. Surface-Burning Characteristics: Comply with ASTM E84 or UL 723; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

a. Flame-Spread Index: 15 or less.
b. Smoke-Developed Index: 200 or less.

2. Fire Growth Contribution: Comply with acceptance criteria of local code and authorities having jurisdiction when tested according to NFPA 265 Method B Protocol or NFPA 286.

B. Acoustical Performance:

1. Sound absorption NRC of 0.45 to 0.60 according to ASTM C423 for Type A mounting according to ASTM E795.

2.2 SOUND-ABSORBING WALL PANELS

A. Sound-Absorbing Wall Panel: Manufacturer's standard panel construction

1. Products: Subject to compliance with requirements, provide the following:

a. Acoufelt; Fracture Wall Panels, Premier Collection.

2. Mounting: Back mounted with manufacturer's standard metal clips or bar hangers, secured to substrate.
3. Reveals between Panels: Flush reveals.
4. Materials: 100 percent polyester felt.
5. Recycled Content: Minimum 60 percent.
6. Thickness 1/2 inch (12mm)
7. Weight: 0.49 pounds per square foot.
8. Custom Sizes: As indicated on Interior Elevations.
9. Patterns: Unless otherwise indicated on Finish Schedule.

a. Diagonal
b. Intersect

10. Colors: As indicated on Finish Schedule.

2.3 SOUND-ABSORBING WALL SCREENS

A. Sound-Absorbing Wall Panel: Manufacturer's standard panel construction

1. Products: Subject to compliance with requirements, provide the following:

a. Acoufelt; Creative Cut Wall Screens, Premier Collection.

2. Mounting: Ceiling mounted with manufacturer's standard tracks secured to substrate.
3. Materials: 100 percent polyester felt.
4. Recycled Content: Minimum 60 percent.
5. Thickness 1/2 inch (12mm)
6. Weight: 0.49 pounds per square foot.
7. Sizes: 48 inches by 96 inches.
8. Patterns: Unless otherwise indicated on Finish Schedule.

a. Rain

9. Colors: As indicated on Finish Schedule.

2.4 ACCESSORIES

A. Mounting Devices: Concealed on back of unit, recommended by manufacturer to support weight of unit, and as follows:

1. Metal Clips or Bar Hangers: Manufacturer's standard two-part metal "Z" clips, with one part of each clip mechanically attached to back of unit and the other part to substrate, designed to permit unit removal.

B. Ceiling Mounted Sliding Track:

1. Track: HK1224 Sliding track hardware kit for 3 channel.
2. Carrier: HK1228 Sliding track hardware kit.
3. Fasteners: As recommended by manufacturer and for applicable substrate.

2.5 FABRICATION

A. Standard Construction: Use manufacturer's standard construction unless otherwise indicated.

B. Dimensional Tolerances of Finished Units: Plus or minus 1/16 inch (1.6 mm).

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install units in locations indicated. Install units with vertical surfaces and edges plumb, top edges level and in alignment with other units, faces flush, and scribed to fit adjoining work accurately at borders and at penetrations.

B. Comply with manufacturer's written instructions for installation of units using type of mounting devices indicated. Mount units securely to supporting substrate.

C. Align pattern with adjacent units as indicated on Drawings.

3.2 CLEANING AND ADJUSTING

A. Clean panels on completion of installation to remove dust and other foreign materials according to manufacturer's written instructions.

B. Ensure the screens move smoothly on tracks.

END OF SECTION 098433

SECTION 101100 - VISUAL DISPLAY UNITS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes tackboards.

B. Related Requirements:

1. Section 061000 “Rough Carpentry” for coordination of backing in walls.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, finishes, and accessories for visual display units.

B. Shop Drawings: For visual display units.

1. Include plans, elevations, sections, details, and attachment to other work.
2. Show locations of panel joints. Show locations of field-assembled joints for factory-fabricated units too large to ship in one piece.
3. Include sections of typical trim members.

C. Samples for Verification: For each type of visual display unit indicated.

1. Visual Display Panel: Not less than 8-1/2 by 11 inches, with facing, core, and backing indicated for final Work. Include one panel for each type, color, and texture required.
2. Trim: 6-inch-long sections of each trim profile.

D. Product Schedule: For visual display units. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

A. Qualification Data: For qualified Installer.

B. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for surface-burning characteristics of tackboards.

C. Sample Warranties: For special warranties.

1.4 CLOSEOUT SUBMITTALS

A. Maintenance Data: For visual display units to include in maintenance manuals.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.

1. Build mockup of typical visual display unit as shown on Drawings. Include accessories.
2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver factory-fabricated visual display units completely assembled in one piece. If dimensions exceed maximum manufactured unit size, or if unit size is impracticable to ship in one piece, provide two or more pieces with joints in locations indicated on approved Shop Drawings.

1.7 FIELD CONDITIONS

A. Environmental Limitations: Do not deliver or install visual display units until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work above ceilings is complete, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

B. Field Measurements: Verify actual dimensions of construction contiguous with visual display units by field measurements before fabrication.

1. Allow for trimming and fitting where taking field measurements before fabrication might delay the Work.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Flame-Spread Index: 25 or less.
2. Smoke-Developed Index: 50 or less.

2.2 TACKBOARD PANELS

A. Tackboard Panels:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Forbo: Bulletin Board Cork.

2. Facing: 1/4-inch-thick plastic-impregnated cork.
3. Core: Manufacturer's standard.
4. Tackboard Color: Reference Finish Schedule in Construction Drawings.

B. Edges: Metal angle trim.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Schluter System: Scheine

2. Finish: Anodized Aluminum.

2.3 MATERIALS

A. Plastic-Impregnated-Cork Sheet: Seamless, homogeneous, self-sealing sheet consisting of granulated cork, linseed oil, resin binders, and dry pigments that are mixed and calendared onto fabric backing; with washable vinyl finish and integral color throughout with surface-burning characteristics indicated.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

a. Forbo; Bulletin Board Cork

B. Medium-Density Fiberboard: ANSI A208.2, Grade 130.

1. Composite Wood Products: Products shall be made without urea formaldehyde.

C. Hardboard: ANSI A135.4, tempered.

D. Particleboard: ANSI A208.1, Grade M-1, made with binder containing no urea formaldehyde.

E. Extruded Aluminum: ASTM B221, Alloy 6063.

F. Adhesives for Field Application: Mildew-resistant, nonstaining adhesive for use with specific type of panels, sheets, or assemblies; and for substrate application; as recommended in writing by visual display unit manufacturer.

1. Adhesives shall have a VOC content of 50 g/L or less.

2.4 GENERAL FINISH REQUIREMENTS

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.5 ALUMINUM FINISHES

A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, surface conditions of wall, and other conditions affecting performance of the Work.

B. Examine walls and partitions for proper preparation and backing for visual display units.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Comply with manufacturer's written instructions for surface preparation.

B. Clean substrates of substances, such as dirt, mold, and mildew, that could impair the performance of and affect the smooth, finished surfaces of visual display boards.

C. Prepare surfaces to achieve a smooth, dry, clean surface free of flaking, unsound coatings, cracks, defects, projections, depressions, and substances that will impair bond between visual display units and wall surfaces.

D. Prime wall surfaces indicated to receive visual display units and as recommended in writing by primer/sealer manufacturer and visual display unit manufacturer.

3.3 INSTALLATION

A. General: Install visual display surfaces in locations and at mounting heights indicated on Drawings, or if not indicated, at heights indicated below. Keep perimeter lines straight, level, and plumb. Provide grounds, clips, backing materials, adhesives, brackets, anchors, trim, and accessories necessary for complete installation.

3.4 CLEANING AND PROTECTION

A. Clean visual display units according to manufacturer's written instructions.

B. Touch up factory-applied finishes to restore damaged or soiled areas.

C. Cover and protect visual display units after installation and cleaning.

END OF SECTION 101100

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SECTION 113013 - RESIDENTIAL APPLIANCES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes appliances including cooking, refrigeration and cleaning appliances.

B. Work Furnished But Installed Under Other Sections

1. Furnish plumbing requirements for appliances installed under Division 22 -Plumbing.
2. Furnish all wiring, circuit breakers and shut offs installed under Division 26 – Electrical.

C. Related Sections

~~1.~~ ~~Section 064100 "Architectural Wood Casework" for cabinets.~~
~~1.~~2. Refer to Finish Schedule for additional information.

ADD-04

1.2 ACTION SUBMITTALS

A. General: All specified finishes are found in the Finish Schedules on the Drawings.

B. Product Data: For each type of product.

1. Include installation details, material descriptions, dimensions of individual components, and finishes for each appliance.
2. Include rated capacities, operating characteristics, electrical characteristics, and furnished accessories.

1.3 INFORMATIONAL SUBMITTALS

A. Product certificates.

B. Field quality-control reports.

C. Sample warranties.

1.4 CLOSEOUT SUBMITTALS

A. Operation and maintenance data.

1.5 QUALITY ASSURANCE

A. Provide residential equipment with UL and Energy Star Standard Labels where noted.

1.6 DELIVERY STORAGE AND HANDLING

A. Deliver appliances in unopened boxes, stating brand name, once installed and model number.

B. Uncrate appliances and dispose of packaging material.

1.7 WARRANTY

A. Special Warranties: Manufacturer agrees to repair or replace residential appliances or components that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Electrical Appliances: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.2 MICROWAVE OVEN

A. Microwave Oven: MICRO — ADD-04

1. Basis of Design: Summit SMB127TK27.
2. ~~2.~~ Dimensions: 18.88 inches height by 26.88 inches width by 27 inches wide.
3. ~~2.~~ Build-in trim kit. — ADD-04

2.3 DISHWASHERS

A. Dishwasher: DW-1 — ADD-04

1. Basis of Design: Summit DW244SSADA
2. Dimensions: 32.25 inches by 23.5 inches by 22.5 inches.
3. ENERGY STAR

2.4 REFRIGERATOR/FREEZERS

A. Undercounter Refrigerator: REF-2 — ADD-04

1. Basis of Design: Summit FF6BK17SSHVADA.
2. Dimensions: 32.25 inches height by 23.63 inches width by 23.5 inches depth.
3. ADA Compliant

B. Refrigerator: REF-1 — ADD-04

1. Basis of Design: Summit FF1089PLIM.
2. Dimensions: 60.25 inches height by 23.25 inches width by 26.5 inches depth.
3. ADA Compliant.

2.5 BEVERAGE CENTERS

A. Undercounter Beverage Center: REF-3 ADD-04

1. Basis of Design: Summit SCR610BLCSS.
2. Dimensions: 34 inches height by 23.63 inches width by 26.5 inches depth.
3. Energy Star.

B. Undercounter Beverage Center: REF-4 ADD-04

1. Basis of Design: Summit AL57GCSS.
2. Dimensions: 32 inches height by 23.63 inches width by 26.3 inches depth.
3. ADA Compliant.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Built-in Equipment: Securely anchor units to supporting cabinets or countertops with concealed fasteners. Verify that clearances are adequate for proper functioning and that rough openings are completely concealed.

B. Freestanding Equipment: Place units in final locations after finishes have been completed in each area. Verify that clearances are adequate to properly operate equipment.

C. Install in accordance with manufacturer's installation instructions.

D. Install plumb, level and secure.

3.2 FIELD QUALITY CONTROL

A. Perform the following tests and inspections:

1. Perform visual, mechanical, and electrical inspection and testing for each appliance according to manufacturers' written recommendations. Certify compliance with each manufacturer's appliance-performance parameters.
2. Leak Test: After installation, test for leaks. Repair leaks and retest until no leaks exist.
3. Operational Test: After installation, start units to confirm proper operation.
4. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and components.

B. An appliance will be considered defective if it does not pass tests and inspections.

C. Prepare test and inspection reports.

3.3 PROTECTION

A. Protect installed appliances from scratches, dents and theft until substantial completion.

3.4 CLEAN-UP

A. Remove all containers and related waste from job site at end of installation.

B. Clean appliances surfaces by methods approved by manufacturer.

END OF SECTION 113013

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Phase)

PROJECT: South King Fire
Administrative Building Improvements

TO: Weinstein A + U
c/o The Greenbusch Group, Inc.

RE:

SUBSTITUTION REQUEST NUMBER:

FROM: Custom Mechanical Solutions

DATE: 05/29/2025

A/E PROJECT NUMBER: 24022

CONTRACT FOR:

SPECIFICATION TITLE: Packaged Indoor Energy Recovery Ventilators

DESCRIPTION: Lossnay RVX

SECTION: 23.72.23

PAGE: All

ARTICLE/PARAGRAPH: All

PROPOSED SUBSTITUTUION: Valent ERC

MANUFACTURER: Valent

ADDRESS: 60 28th Ave N, Minneapolis, MN 55411

PHONE: 612-877-4800

TRADE NAME: Division 23

MODEL NO.: ERC

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.
Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:
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- Same maintenance service and source of replacement parts, as applicable, is available.
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- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

SUBMITTED BY: Ryan Mathis

SIGNED BY:

FIRM: Custom Mechanical Solution

ADDRESS: 12507 NE Bel-Red Rd, Bellevue, WA, 98005

TELEPHONE: 425-598-2381 EXT 280

A/E's REVIEW AND RECOMMENDATION:

- ☐ Approve Substitution—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.
- ☐ Approve Substitution as noted—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.
- ☐ Reject Substitution—Use specified materials.
- ☐ Substitution Request received too late—Use specified materials.

SIGNED BY: **DATE:**

SUPPORTING DATA ATTACHED: ☒ Drawings ☒ Product Data ☐ Samples ☐ Tests ☐ Reports ☐

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SUBSTITUTION REQUEST
(During the Bidding/Negotiating Phase)

PROJECT: South King Fire
Administrative Building Improvements

TO: Weinstein A + U
c/o The Greenbusch Group, Inc.

RE:

SUBSTITUTION REQUEST NUMBER:

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DATE: 05/29/2025

A/E PROJECT NUMBER: 24022

CONTRACT FOR:

SPECIFICATION TITLE: Packaged Indoor Energy Recovery Ventilators

DESCRIPTION: Lossnay RVX

SECTION: 23.72.23

PAGE: All

ARTICLE/PARAGRAPH: All

PROPOSED SUBSTITUTUION: Valent ERC

MANUFACTURER: Valent

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TRADE NAME: Division 23

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Product Comparison Storefront
Arcadia TG45I-T vs. Kawneer VG451

	Line by line comparison	Arcadia AG451-T	Kawneer VG451
A.	Profile	2" x 4 1/2"	2" x 4 1/2"
B.	Material Domestic *	Aluminum 6063 T-6*	Aluminum 6063 T-5
C.	Glazing	1"	1"
D.	Gasket	EPDM	EPDM
E.	Air Infiltration	0.06 cfm/ft2	0.06 cfm/ft2
F.	Water penetration static	12 psf	8 psf
G.	Uniform load	ASTM E 330	ASTM E 330
H.	Seismic Testing	Yes	Yes
I.	NFRC/ per Title 24	Yes	No
J.	Recycled Content	Yes	NO
K.	Finish 70% Kynar 2 coat	Yes	Yes
L.	Regional Materials	Yes	N/A
M.	Year Established	1930	1906

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Phase)

PROJECT: South King Fire Administrative Building Improvements

SUBSTITUTION REQUEST NUMBER:

FROM: Libby Anders (Trane)

TO: Lauren Rock (Weinstein A+U)

Jack Burgess (The Greenbusch Group, Inc)

DATE: 05/29/25

A/E PROJECT NUMBER: 24022

RE:

CONTRACT FOR:

SPECIFICATION TITLE: Controls

DESCRIPTION: BMS Controller and Front End

SECTION: 23 09 00

PAGE: 1-19

ARTICLE/PARAGRAPH:

PROPOSED SUBSTITUTUION: Tracer SC+ with Synchrony

MANUFACTURER: Trane

ADDRESS: 2333 158th Ct NE Bellevue, WA 98008

PHONE: 425-531-9035

TRADE NAME: Building Automation/Management System

MODEL NO.: X13651695001

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.
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SUBMITTED BY: Libby Anders

SIGNED BY: Libby Anders

Digitally signed by Libby Anders
DN: C=US, E=libby.anders@trane.com, O=Trane Commercial, OU=Controls Sales, CN=Libby Anders
Date: 2025.05.29 14:44:36-07'00'

FIRM: Trane

ADDRESS: 2333 158th Ct NE Bellevue, WA 98008

TELEPHONE: 425-531-9035

A/E's REVIEW AND RECOMMENDATION:

- [x] Approve Substitution—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.
- [ ] Approve Substitution as noted—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.
- [ ] Reject Substitution—Use specified materials.
- [ ] Substitution Request received too late—Use specified materials.

SIGNED BY: Jack Burgess, For Greenbusch **DATE:** 2025.05.30

SUPPORTING DATA ATTACHED: ☐ Drawings ■ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

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SUBSTITUTION REQUEST
(During the Bidding/Negotiating Phase)

PROJECT: South King Fire Administrative Building Improvements

SUBSTITUTION REQUEST NUMBER: 1

FROM: Cole Stephenson, SeaTac Lighting and Controls

TO: Lauren Rock, Weinstein A+U

DATE: 8 May, 2025

A/E PROJECT NUMBER: 24022

RE: Lighting Substitution Package

CONTRACT FOR:

SPECIFICATION TITLE: Interior Lighting

DESCRIPTION:

SECTION: 265100

PAGE: ALL

ARTICLE/PARAGRAPH: ALL

PROPOSED SUBSTITUTUION: Please see attached substitution package

MANUFACTURER:

ADDRESS:

PHONE:

TRADE NAME:

MODEL NO.:

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SUBMITTED BY: Cole Stephenson

SIGNED BY:

FIRM: SeaTac Lighting and Controls

ADDRESS: 15455 53rd Ave S Tukwila WA 98188

TELEPHONE: (206) 575-6865

A/E's REVIEW AND RECOMMENDATION:

☐ Approve Substitution—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.

☒ Approve Substitution as noted—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures. Types UC, WL-1 & WL-2 are rejected. See notes. Rest of fixtures approved.

☐ Reject Substitution—Use specified materials.

☐ Substitution Request received too late—Use specified materials.

SIGNED BY: Kevin Wartelle TFWB Engineers DATE: 5-30-25

SUPPORTING DATA ATTACHED: ☐ Drawings ■ Product Data ☐ Samples ☐ Tests ☐ Reports ☐

Page ____ of ____

CSI Form 1.5C (August 2020 version)

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Transmittal

Sea-Tac Lighting & Controls, LLC
15455 53rd Ave S
Tukwila WA 98188
Phone: (206) 575-6865
From: Cole Stephenson

Project **South King Fire Administrative Building Improvements**
Quote# SEATAC-WWA25-205948
Location Federal Way WA
Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

☐ Drawings ☐ Specifications Other:
☐ Prints ☐ Information
☐ Plans ☐ Submittals

THESE ARE TRANSMITTED FOR:

☐ Prior Approval ☐ Resubmittal for Approval ☐ Record
☐ Approval ☐ Corrections Bids due on:
☐ Approval as Submitted ☐ Your Use Other:
☐ Approval as Noted ☐ Review and Comment

Type	MFG	Part	
MISC	MISC	SUBSTITUTION REQUEST FORM	
GL-1	HK Lighting Group	ZXL16-0C1SA-XXX-012V07W-35X	
	Item Note: CONFIRM FINISH OPTICS		
PL-1	Pinnacle Arch. Lighting Inc.	EX2D-A-N-835XX-4-XACXXX-U-FSD-1-0-X	
	Item Note: CONFIRM OUTPUT MOUNTING FINISH		
PL-2	Pinnacle Arch. Lighting Inc.	EX2D-A-N-835XX-2-XACXXX-U-FSD-1-0-X	
	Item Note: CONFIRM OUTPUT MOUNTING FINISH		
RL-5	Halo	HC4XXD010 HM4XXXX835 41XXC	
	Item Note: CONFIRM OUTPUT		
RL-6	Halo	HC4XXD010 HM4XXXX835 41RWWC	
	Item Note: CONFIRM OUTPUT		
RL-7	Halo	HC4XXD010 HM4XXXX835 41XXC	
	Item Note: CONFIRM OUTPUT		
RL-9	Halo	HC4XXD010 HM4XXXX835 41PSMDW	
	Item Note: CONFIRM OUTPUT		
SL-1	Metalux	4AWS-L3C3-UNV	
~~UC~~	~~Fail-Safe~~	~~UCL-X-LD4-35-89BW-ED1D1-UNV-OS-RSW~~	UC: Rejected. BOD fixture has been revised. See Addendum-01
	Item Note: CONFIRM LENGTH		
~~WL-1~~	~~Truly Green Solutions~~	~~VF1-3630-5CC-XX~~	WL-1: Rejected. Does not meet BOD aesthetic requirements.
	Item Note: CONFIRM FINISH		
~~WL-2~~	~~Performance in Lighting~~	~~IN0-SC-5-XX-35K-UNV-NA~~	WL-2: Rejected. BOD fixture has been revised. See Addendum-01.
	Item Note: CONFIRM FINISH		

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Phase)

PROJECT: Admin Bldg South King Fire

SUBSTITUTION REQUEST NUMBER:

FROM: FM HVAC SALES COMPANY

TO: Weinstein A+U inc

DATE: 5-23-25

A/E PROJECT NUMBER: E5663

RE:

CONTRACT FOR:

SPECIFICATION TITLE: AIR DIFFUSERS/REGISTERS/GRILLES

DESCRIPTION: AIR DIFFUSERS/REGISTERS/GRILLES

SECTION: 23 37 13.13/23 **PAGE:** 1 **ARTICLE/PARAGRAPH:** 2.1

PROPOSED SUBSTITUTUION: TUTTLE & BAILEY

MANUFACTURER: TUTTLE & BAILEY **ADDRESS:** 1401 North Plano Road Richardson, TX 75081 **PHONE:** 972-680-9128

TRADE NAME: AIR DISTRIBUTION TECHNOLOGIES **MODEL NO.:** SQD, CRE, AIRTRAC

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.
Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

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SUBMITTED BY: Jerry Gaddis

SIGNED BY: Jerry Gaddis

FIRM: FM Hvac Sales Company

ADDRESS: 4610 200th St SW Suite E Lynnwood, WA 98036

TELEPHONE: 206-374-0222

A/E's REVIEW AND RECOMMENDATION:

- ☐ Approve Substitution—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures.
- ☒ Approve Substitution as noted—Make submittals in accordance with Specification Section 01 33 00 Submittal Procedures. GRDs must meet scheduled NC criteria at time of submittal. - JKB
- ☐ Reject Substitution—Use specified materials.
- ☐ Substitution Request received too late—Use specified materials.

SIGNED BY: Jack Burgess for Greenbusch Group **DATE:** 2025.05.27

SUPPORTING DATA ATTACHED: ☐ Drawings ☑ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

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SUBSTITUTION REQUEST
(During the Bidding/Negotiating Phase)

PROJECT: South King Fire
Administrative Building Improvements

TO: Weinstein A + U
c/o The Greenbusch Group, Inc.

RE:

SUBSTITUTION REQUEST NUMBER:

FROM: Custom Mechanical Solutions

DATE: 05/29/2025

A/E PROJECT NUMBER: 24022

CONTRACT FOR:

SPECIFICATION TITLE: Packaged Indoor Energy Recovery Ventilators

DESCRIPTION: Lossnay RVX

SECTION: 23.72.23

PAGE: All

ARTICLE/PARAGRAPH: All

PROPOSED SUBSTITUTUION: Valent ERC

MANUFACTURER: Valent

ADDRESS: 60 28th Ave N, Minneapolis, MN 55411

PHONE: 612-877-4800

TRADE NAME: Division 23

MODEL NO.: ERC

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SUBMITTED BY: Ryan Mathis

SIGNED BY:

FIRM: Custom Mechanical Solution

ADDRESS: 12507 NE Bel-Red Rd, Bellevue, WA, 98005

TELEPHONE: 425-598-2381 EXT 280

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SIGNED BY: Jack Burgess, For Greenbusch

DATE: 2025.05.30

SUPPORTING DATA ATTACHED: [■] Drawings [■] Product Data [ ] Samples [ ] Tests [ ] Reports [ ]

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SUBSTITUTION REQUEST
(During the Bidding/Negotiating Phase)

PROJECT: South King Fire Administrative Building Improvements

SUBSTITUTION REQUEST NUMBER: 1

FROM: Cole Stephenson, SeaTac Lighting and Controls

TO: Lauren Rock, Weinstein A+U

DATE: 8 May, 2025

A/E PROJECT NUMBER: 24022

RE: Lighting Substitution Package

CONTRACT FOR:

SPECIFICATION TITLE: Lighting Control

DESCRIPTION:

SECTION: 260923

PAGE: ALL

ARTICLE/PARAGRAPH: ALL

PROPOSED SUBSTITUTUION: Please see attached substitution package

MANUFACTURER:

ADDRESS:

PHONE:

TRADE NAME:

MODEL NO.:

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SIGNED BY: Kevin Wartelle TFWB Engineers DATE: 5/29/25

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Page ____ of ____

CSI Form 1.5C (August 2020 version)

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