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# REQUEST FOR BIDS

## ADDENDUM NO. 1

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### Fern Ridge School District 28J

88834 Territorial Road  
Elmira, OR 97437

#### ADDENDUM NO. 1

February 19, 2024

RE: **Elmira High School Restroom Remodel**

These addenda, together with the original request for bids shall form the complete request for bids. This addendum sets forth only the changes and additions, which are to be made in the original Request for Bids(RFB). The original documents remain in full force and effect except as specifically modified in these addenda.

1. Please see attached General Contractor & Subcontractor participant list at mandatory pre-bid meeting held on February 14, 2024.
2. Replace Floor Plan sheet A1.2 & Reflected Ceiling Plan sheet A1.3 with attached revised sheets A1.2 & A1.3. Miscellaneous revisions include: aluminum storefront frame revision, removal of outdated delta changes and revision to A1.2 Keynote Schedule – Note #1.
3. Revise Hardware Group #4 as follows:  
Pull/Push device to be Kawneer storefront offset pull handle & double bend push bar set in lieu of the Rockwood VRP 30. Confirm 'Best' cylinder is compatible with the Kawneer push/pull device.



4. Clear sealer referred to in keynote #1 on sheet A1.2 can be found in specification section, 'Water Repellants' – 07 17 50. The product specified is: Chem-Trete PB VOC by Protectosil/Evonik.
5. Delete the reference to Specification Section 064023 listed in the Table of Contents.
6. See attached substitution request for Fantech SER450.

END OF ADDENDUM NO. 1

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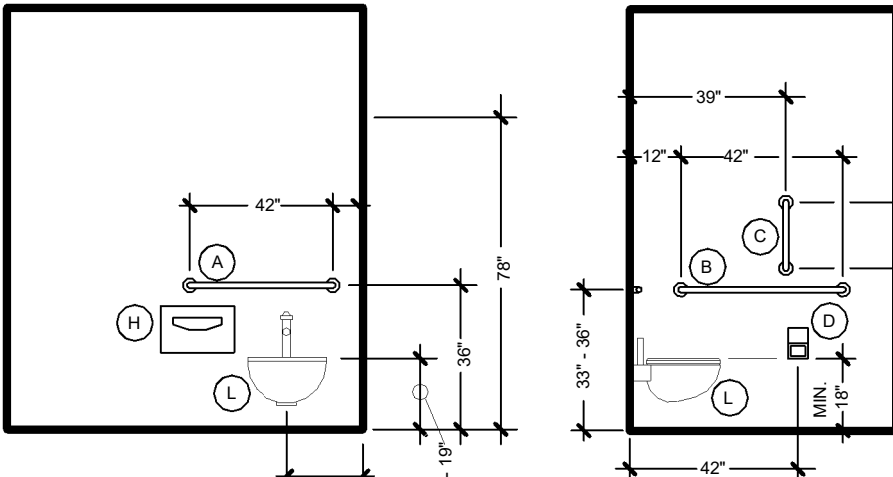
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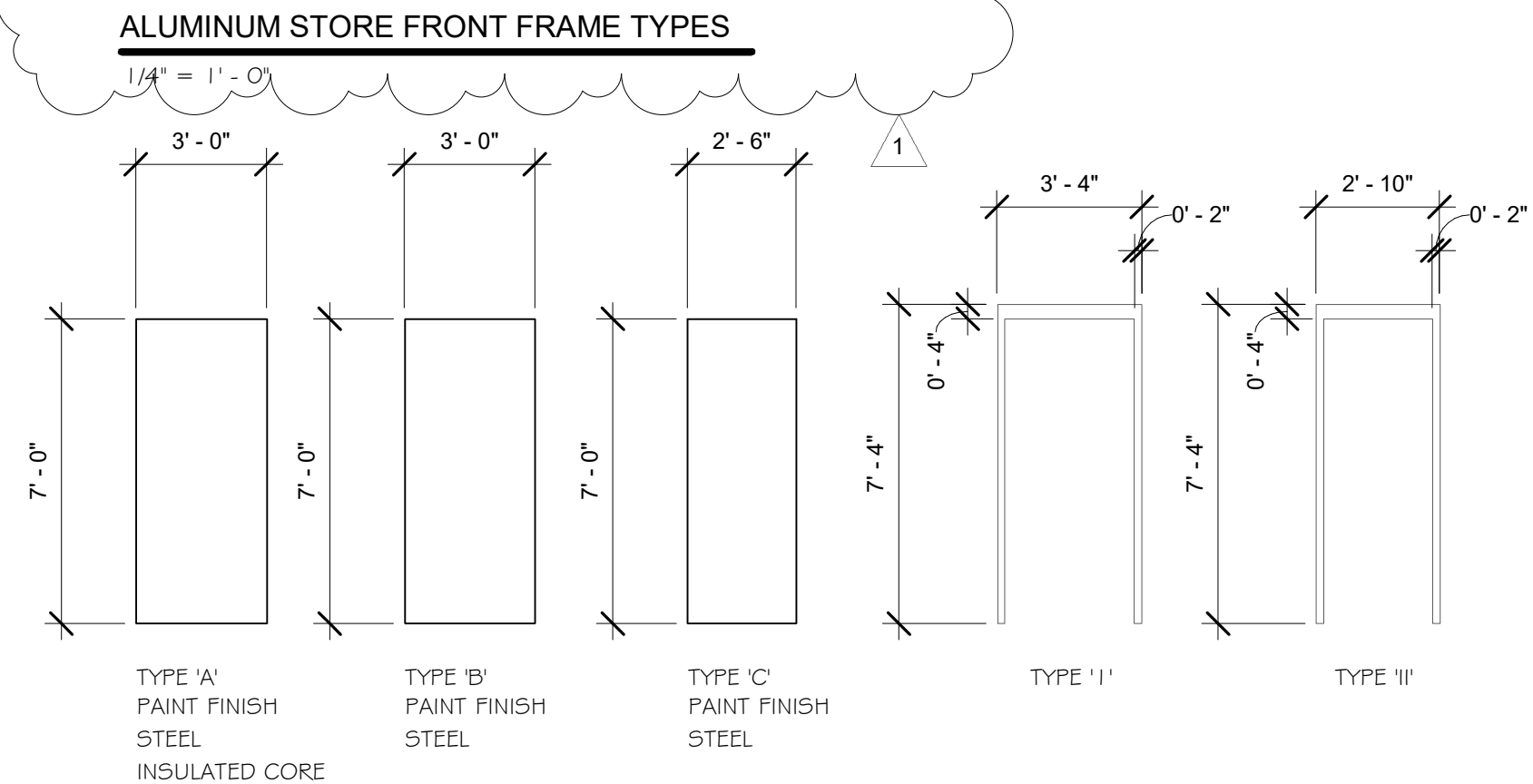
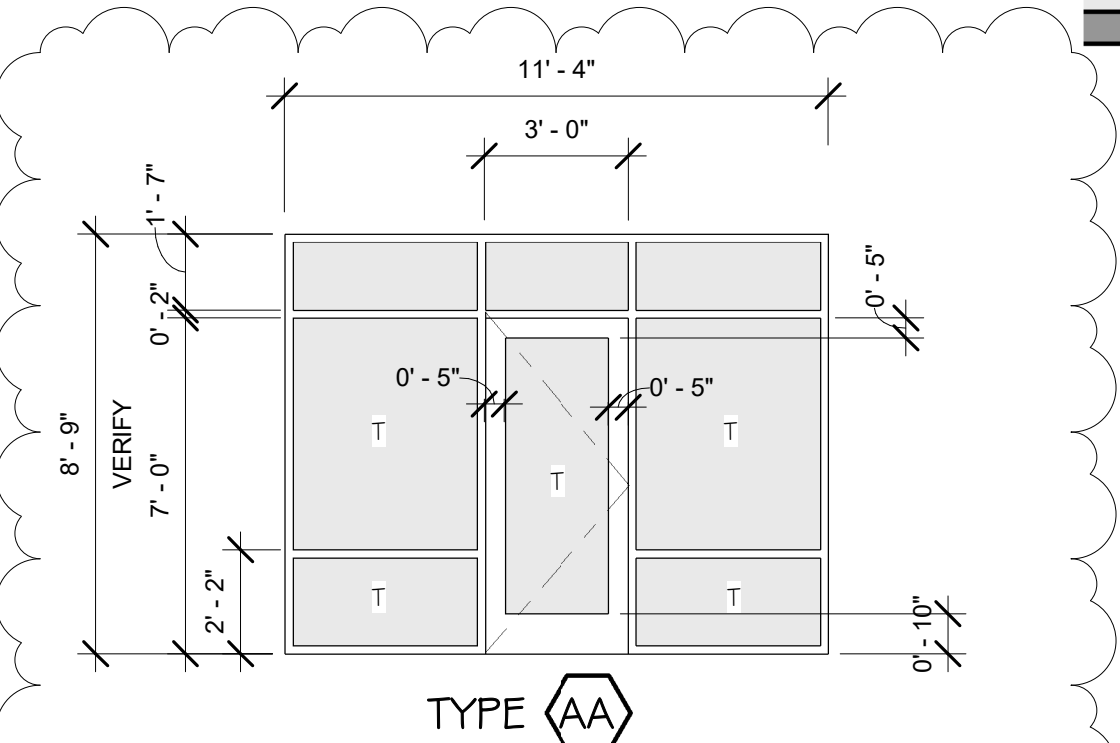
RESTROOM FIXTURES & ACCESSORIES SCHEDULE		
KEY	QNTY	DESCRIPTION
A	1	GRAB BAR - BOBRICK #B-6806 X 36" LONG
B	1	GRAB BAR - BOBRICK #B-6806 X 42" LONG
C	1	GRAB BAR - BOBRICK #B-6806 X 18" LONG
D	7	TOILET PAPER DISPEN. - BOBRICK #B-274 - SURF. MOUNT
E	2	PAPER TOWEL DISPENSER 4 WASTE - BOBRICK D-3979 - SURFACE MOUNT
F	4	SOAP DISPENSER - BOBRICK B-4112 - SURFACE MOUNT
G	4	MIRROR - BOBRICK - D-280 24" W. X 36" HIGH, REFLECTIVE SURFACE TO BE 40" A.F.F. MAX.
H	7	SEAT COVER DISPENSER - BOBRICK #B-4221 PLACE ON WALL BEHIND TOILET
I	7	SANITARY NAPKIN WASTE RECEPTACLE - SURFACE MOUNT - BOBRICK #B-270
J	7	ROBE HOOKS - BOBRICK #B-6717 - PLACE ON BACKSIDE OF STALL DOOR
K	4	ADA LAVATORY - SEE PLUMBING PLANS.
L	7	WALL MOUNTED ADA WATER CLOSET - SEE PLUMBING PLANS.



Partial Enlarged Plan

1/4" = 1'-0"

2



DOOR TYPES

1/4" = 1'-0"

FRAME TYPES

1/4" = 1'-0"

DOOR & FRAME SCHEDULE												
DOOR #	NOMINAL SIZE	TYPE	LABEL	HARDWARE	EGRESS REQUIREMENTS	WIDTH	MATERIAL	FINISH	HEAD	JAMB	SILL	REMARKS
O1	3'-0" x 7'-4"	A	-	1	-	2'	HOLLOW METAL FRAME - TYPE I	PAINT	4/A4.1	5/A4.1	6/A4.1	-
O2	3'-0" x 7'-0"	A	-	2	-	2'	HOLLOW METAL FRAME - TYPE I	PAINT	4/A4.1	5/A4.1	6/A4.1	-
O3	3'-0" x 7'-4"	C	-	2	-	2'	HOLLOW METAL FRAME - TYPE II	PAINT	4/A4.1	5/A4.1	6/A4.1	-
O4	3'-0" x 7'-4"	C	-	2	-	2'	HOLLOW METAL FRAME - TYPE II	PAINT	4/A4.1	5/A4.1	6/A4.1	-
O5	3'-0" x 7'-4"	C	-	2	-	2'	HOLLOW METAL FRAME - TYPE II	PAINT	4/A4.1	5/A4.1	6/A4.1	-
O6	3'-0" x 7'-4"	C	-	2	-	2'	HOLLOW METAL FRAME - TYPE II	PAINT	4/A4.1	5/A4.1	6/A4.1	-
O7	3'-0" x 7'-4"	C	-	2	-	2'	HOLLOW METAL FRAME - TYPE II	PAINT	4/A4.1	5/A4.1	6/A4.1	-
O8	3'-0" x 7'-4"	C	-	2	-	2'	HOLLOW METAL FRAME - TYPE II	PAINT	4/A4.1	5/A4.1	6/A4.1	-
O9	3'-0" x 7'-4"	B	-	3	-	2'	HOLLOW METAL FRAME - TYPE I	PAINT	4/A4.1	5/A4.1	6/A4.1	-
O10	3'-0" x 7'-4"	-	-	4	-	-	ALUMINUM STOREFRONT ASSEMBLY	ANODIZED ALUM.	-	-	-	-

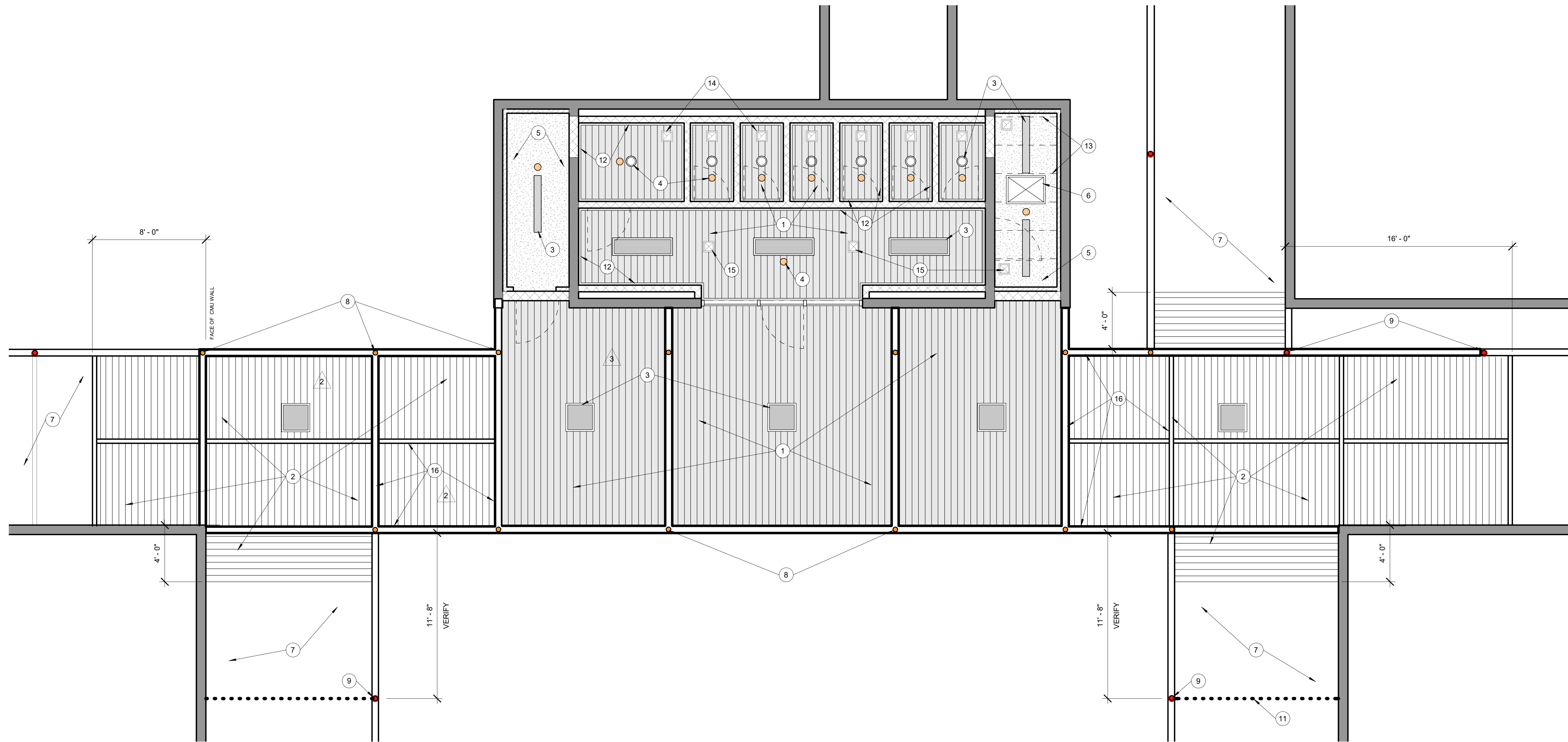
FLOOR PLAN KEYNOTE SCHEDULE	
KEYNOTE #	DESCRIPTION
1	6" GROUND FACE CMU WALL W/ CLEAR SEALER APPLIED - SEE SPEC SECTION 07 17 50 FOR FINISH REQUIRED. SEE STRUCTURAL.
2	8" CMU INFILL WALL (CMU WALL TO MATCH EXISTING). SEE SPEC SECTION 07 17 50 FOR FINISH REQUIRED. SEE STRUCTURAL.
3	EXISTING CMU WALL TO REMAIN - TYPICAL @ GRAY POCHÉ.
4	PAPER TOWEL DISPENSER - SEE KEYNOTE 'E' IN THE FUTURE ACCESSORIES SCHEDULE.
5	(E) MECHANICAL TUNNEL BELOW (E) BATHROOM & CONCRETE WALKWAY TO REMAIN - VERIFY LOCATION BEFORE DEMOLITION OF (E) CONCRETE WALK. CONTRACTOR TO USE EXTREME CAUTION NOT TO DAMAGE CAST-IN-PLACE CONCRETE TUNNEL FACILITY DURING DEMO/CONSTRUCTION.
6	(N) ALUMINUM STOREFRONT WINDOW ASSEMBLY. SEE SPECIFICATIONS.
7	(N) 4" THICK CONCRETE WALK - TYPICAL AT STIPPLED POCHÉ.
8	(E) CONCRETE WALK TO REMAIN - TYPICAL AT GRAY POCHÉ.
9	(N) DUAL SPOUT ACCESSIBLE DRINKING FOUNTAIN TO COMPLY W/ ICC A117.1 § 602.2.4 & 602.3.2. SEE PLUMBING PLANS/SPECIFICATIONS.
10	(N) DRAIN - SLOPE (N) CONCRETE SLAB @ LAVATORY COMMON AREA TO FLOOR DRAIN - SLOPE NOT TO EXCEED 1/2" / 1'-0". DRAIN COVER TO COMPLY W/ ICC A117.1 § 302.3. SEE PLUMBING PLAN.
11	(N) WALL HUNG WATER CLOSET - SEE PLUMBING.
12	(N) MOP SINK - SEE PLUMBING.
13	(N) HOLLOW METAL FRAME/INSULATED STEEL SLAB DOOR. SEE DOOR SCHEDULE & SPECIFICATIONS.
14	NEW COLUMN - TYPICAL AT 'ORANGE' POCHÉ. SEE STRUCTURAL.
15	EXISTING COLUMN TO REMAIN - TYPICAL AT 'RED' POCHÉ.
16	EXISTING DOWN SPOUT TO REMAIN.
17	NEW DOWN SPOUT TO THE INTO EXISTING STORM LINE SYSTEM. MAINTAIN STORM LINE TIE-IN LOCATIONS DURING DEMOLITION WORK.
18	NEW CONCRETE SLAB - TYPICAL @ LIGHT BLUE POCHÉ. NOTE: CONCRETE TO SLOPE TO FLOOR DRAIN AT LAVATORY COMMON AREA ONLY. CONCRETE SLAB @ TOILET STALLS TO BE FLAT. SEE STRUCTURAL FOR CONCRETE FOOTING LOCATIONS.
19	TOILET PAPER DISPENSER - SEE KEYNOTE 'D' IN THE FUTURE ACCESSORIES SCHEDULE.
20	Soap Dispenser - SEE KEYNOTE 'G' IN THE FUTURE ACCESSORIES SCHEDULE.
21	5/8" GYP. BD. OVER 3-1/2" P.T. STUDS (R-11 INSULATION W/IN STUD CAVITY) OVER 1.5" POLY-ISO CLOSED CELL INSULATION OVER CMU WALL.
22	SANITARY NAPKIN WASTE RECEPTACLE - SEE RESTROOM FIXTURES & ACCESSORIES SCHEDULE. SEE KEY ITEM 'I'.

Unisex Restroom Floor Plan

1/4" = 1'-0"

1





REFLECTED CEILING PLAN KEYNOTE SCHEDULE	
KEYNOTE #	DESCRIPTION
1	(N) 2X6 T&G OVER 5/8" TYPE 'X' GYPSUM BOARD, FASTENED TO UNDERSIDE OF TRUSS BOTTOM CHORD - PRIME/PAINT - TYPICAL AT 'GRAY' POCHÉ. SEE SPECIFICATIONS.
2	(N) 2X6 T&G STRUCTURAL DECKING - PRIME/PAINT - SEE STRUCTURAL - TYPICAL.
3	SURFACE MOUNTED LIGHT FIXTURE - SEE ELECTRICAL.
4	CEILING MOUNTED SMOKE DETECTOR - TYPICAL @ ORANGE POCHÉ. SEE ELECTRICAL.
5	GYPSUM BOARD FASTENED TO UNDERSIDE OF ROOF TRUSS - TYPICAL AT STIPPLED POCHÉ.
6	21" X 30" CLEAR NET OPENING ATTIC ACCESS W/ 3/4" PLYWOOD/PAINTED LID - SEE DETAIL.
7	(E) DECKING TO REMAIN. PREP (E) SURFACE TO RECEIVE NEW PAINT. PAINT DECKING TO NEAREST BEAM. SEE SPECIFICATIONS.
8	NEW COLUMN - TYPICAL AT 'ORANGE' POCHÉ. SEE STRUCTURAL.
9	EXISTING COLUMN TO REMAIN - TYPICAL AT 'RED' POCHÉ.
11	EXISTING BEAM TO REMAIN.
12	3/8" X 1-1/4" TRIM CEILING PERIMETER MOULDING - PRIME/PAINTED. SEE SPECIFICATIONS.
13	ROOF TRUSS LAYOUT SHOWN DASHED FOR CLARITY RELATIVE TO ATTIC ACCESS FRAMING REQUIRED.
14	EXHAUST AIR LOUVER - SEE MECHANICAL.
15	SUPPLY AIR LOUVER - SEE MECHANICAL.
16	(N) BEAMS - SEE STRUCTURAL FOR EXTENT OF WORK.

Reflected Ceiling Plan 1  
1/4" = 1'-0"

ROOM FINISH & MATERIAL SCHEDULE									
RM. #	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	Remarks
101	STORAGE	CONCRETE	RUBBER BASE	GYP. BD./PAINT	GYP. BD./PAINT	GYP. BD./PAINT	GYP. BD./PAINT	GYP. BD./PAINT	
102	UNISEX RESTROOM	POLISHED CONC.		CMU/CLEAR FINISH	CMU/CLEAR FINISH	CMU/CLEAR FINISH	CMU/CLEAR FINISH	T&G 2X6/PAINT	UNISEX STALL @ WEST WALL TO BE PAINTED CMU.
103	JANITOR	CONCRETE	RUBBER BASE	GYP. BD./PAINT	GYP. BD./PAINT	GYP. BD./PAINT	GYP. BD./PAINT	GYP. BD./PAINT	
104	ADA STALL	POLISHED CONC.		CMU/CLEAR FINISH	CMU/CLEAR FINISH	CMU/CLEAR FINISH	CMU/CLEAR FINISH	T&G 2X6/PAINT	
-	TYP. TOILET STALLS	POLISHED CONC.	-	CMU/CLEAR FINISH	CMU/CLEAR FINISH	CMU/CLEAR FINISH	CMU/CLEAR FINISH	GYP. BD./PAINT	EAST TOILET STALL @ EAST WALL TO BE PAINTED CMU.

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# SUBSTITUTION REQUEST FORM

## DIVISION 1 \* SECTION 01640

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### SUBSTITUTION REQUEST FORM

TO: Paul L Bentley

PROJECT: Elmira HS Restroom Remodel

We hereby submit for your consideration the following product instead of the specified items for the above project:

Section	Page	Paragraph/Line	Submitted Item
23 80 00	All	ERV Units	ERVs

Proposed Substitution: Fantech SER450

Attach complete Product description, drawings, photographs, performance and test data, and other information necessary for evaluation.

- A. Will changes be required to building design in order to properly install proposed substitution:  
Yes \_\_\_ No ☒  
If Yes, explain \_\_\_\_\_
- B. Will the undersigned pay for changes to the building design, including engineering and drawing costs, caused by requested substitution?  
Yes \_\_\_ No ☒
- C. What difference exists between proposed substitution and specified item? Unit is 120V
- D. Does substitution affect Drawing dimensions?  
Yes \_\_\_ No ☒  
If Yes, explain Unit may differ in size but should be substantially similar
- E. What affect does substitution have on other trades? Unit is 120V
- F. Does manufacturer's warranty of proposed substitution differ from that specified? Yes \_\_\_ No ☒  
If Yes, explain \_\_\_\_\_
- G. Will substitution affect progress schedule?  
Yes \_\_\_ No ☒  
If Yes, explain \_\_\_\_\_
- H. Will substitution require more license fees or royalties than specified product? Yes \_\_\_ No ☒  
If Yes, explain \_\_\_\_\_
- I. Will substitution cost more than specified product?  
Yes \_\_\_ No ☒  
If Yes, explain how much \_\_\_\_\_

J. Will maintenance and service parts be locally available for substitution?

Yes ☒ No ☐.

If No, explain \_\_\_\_\_

Submitted by:

**Douglas Behrend**

Signature

For Architect/Engineer

Use Only:

Air Treatment Corporation  
Firm

☐ Accepted ☐ Accepted As Noted

6745 SW Hampton St Suite 101  
Address

☒ Not Accepted ☐ Received Too Late

Portland, OR 97224

By Jesse Swanson

Date 02-14-24

Date 2/16/2024

Telephone 509 589 1777

Remarks SER 450 fan capacity  
inadequate for project.  
SER 700 is too wide for  
space

END OF APPROVAL FOR SUBSTITUTION AND PRODUCT OPTION

# SER 450

## Energy Recovery Ventilator



### STANDARD FEATURES

- Energy recovery core
- Fans with backward curved blades
- Dual service doors & Reversible electrical box
- Push-pull configuration
- External electrical box
- Electrostatic filters
- Removable screw terminal for easy connection
- Full length drain pan
- Outdoor ducts on the same side

### OPTIONS & CONTROLS

- MERV6 rated filters
- Compatible with all Fantech HRV/ERV controls
- CO2 sensor
- Shut off damper



Job Name:			
Job Location:			
Job Reference Number:			
Unit Reference Number:			
Engineer:			
Distributor:			
Contractor:			
For Reference:	For Approval:	For Construction:	
Submitted by:		Date:	
Address:			
Tel:	Fax:	Email:	
Notes:			

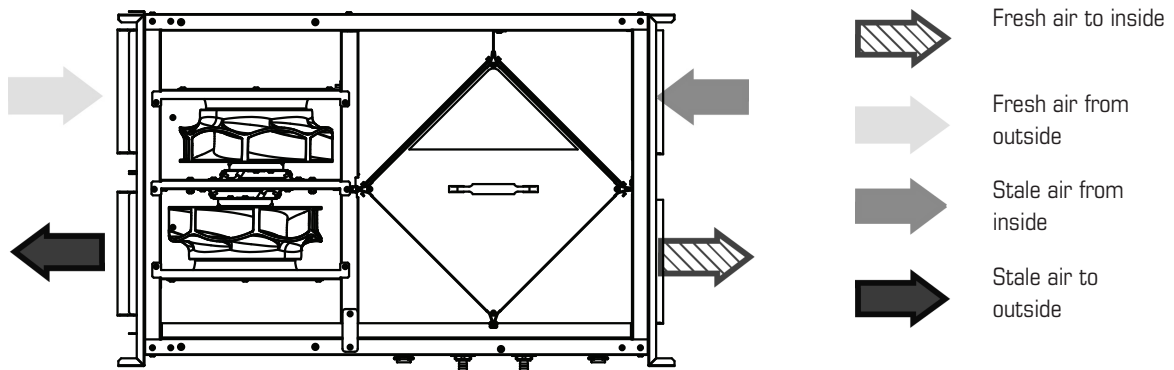
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**Canada** 50 Kanalfakt Way • Bouctouche, NB E4S 3M5 • 1.800.565.3548 • [www.fantech.net](http://www.fantech.net)

Fantech reserves the right to make technical changes.  
 For updated documentation please refer to [www.fantech.net](http://www.fantech.net)



## Descriptions

Cabinet:	22 gauge G90 galvanized steel sheet coated with baked powder paint, insulated with 1 in. (25 mm) fiberglass with FSK facing for condensation control.
Blowers:	Two maintenance-free Ebm-Papst™ backward inclined motorized impellers with permanently lubricated sealed ball bearings and (TOP) thermal overload protected.
Energy recovery core:	AHRI certified core made from water vapor transport durable polymer membrane that is highly permeable to humidity. The ERV core is freeze tolerant and water washable. During winter, the core transfers heat and moisture from the outgoing air to the incoming fresh air and during summer the core transfers heat and moisture from the incoming air to the outgoing air to essentially reduce the latent load.
Filters:	The exhaust and fresh air streams are protected by MERV1 washable filters constructed to meet UL 900. Optional MERV6 filters are direct replacement to the MERV1. Use of MERV6 filters will add an additional system pressure of 0.52 in.wg (130 Pa) at 450 cfm (212 l/s). Additional MERV Rated filters available upon request.
Controls:	External three (3) position (Low / Standby / High) rocker switch that will offer continuous ventilation. Compatible with all Fantech HRV/ERV controls.
Frost control:	A preset frost control sequence is initiated if the outdoor temperature falls below the set point of 23°F (-5°C). During the initial stage, the supply blower shuts down & the exhaust blower switches into high speed to eliminate frost build-up in the core. The unit then returns to normal operation for the final stage of the frost control sequence at which time the sequence is repeated if the outdoor air temperatures is still below the set point.
Serviceability:	Cores, filters and drain pan can be accessed easily from both sides of the ERV from hinged access panels. Cores conveniently slide out with only 15" (380 mm) clearance. Blowers can be accessed from both side of the ERV from fastened access panels. Blowers are easily removed by taking off the access panel and sliding the motor plates out of the ERV. A quick connect allows for fast inspection of blowers.
Mounting:	Unit may be suspended by using threaded rod, not supplied, or placed on a platform. Unit shall be adaptable for easy service of electrical components.
Warranty:	Fantech ERV's have a warranty that is limited to 3 years on all parts from the date of purchase, including parts replaced during this time period. If there is no proof of purchase available, the date associated with the serial number will be used for the beginning of the warranty period



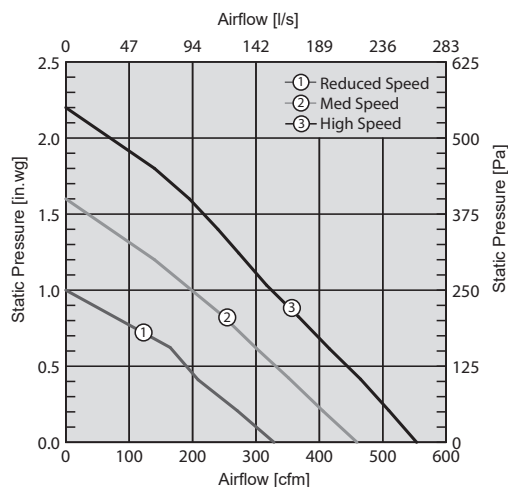


## Specifications

- Volts: 120V
- Phase: Single
- Amperage: 4.17 Amps Total
- Blowers (x2): 115V, 60Hz, 2.1 Amps

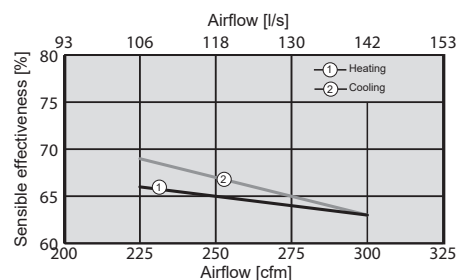
- Weight: 132 Lbs (60 Kg)
- Shipping Weight: 167 Lbs (76 Kg)
- Shipping Dim.: 38 x 38 x 27" (965 x 965 x 686mm)

## Ventilation Performance

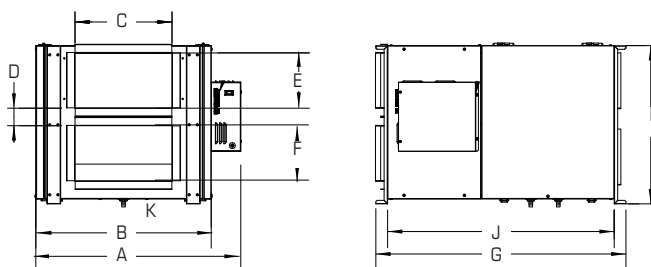


## Energy Performance

	Supply temperature		Net airflow		Net Effectiveness		
	°F	°C	cfm	L/s	Sensible %	Latent %	Total %
Heating	35	1.7	300	142	63	46	59
	35	1.7	225	106	66	51	64
Cooling	95	35	300	142	63	42	58
	95	35	225	106	69	48	63



## Dimensions



Model	A		B		C		D		E		F		G		I		J		K	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
SER 450	29 1/2	747	25 1/8	639	14	355	2 1/2	64	8	203	8	203	35 15/16	911	22 11/16	577	32 1/2	826	1 1/2	13

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