Prueter Public School – Office & HVAC Upgrades
Tender No. 7161-KP-21

PROJECT NO. 20123
HOSSACK & ASSOCIATES ARCHITECTS

ADDENDUM NO. 4 **Issued March 26, 2021**

The following additions, deletions, modifications and clarifications issued herein are hereby an integral part of the Tender and Contract Documents. Minor Typographic or spelling mistakes in the Contract Documents which do not significantly affect the meaning of the sentence or phrase in which they occur may not necessarily be corrected by Addenda.

GENERAL

1. Ensure that all parties submitting bids are aware of this **Addendum No. 4** and its contents.
2. **Contents**: Addendum No. 4 - in its entirety consists of the following:
   - .1 Three (3) typed page of instructions.
   - .2 Specification section "07 46 13 Metal Siding" (4 pages)
   - .3 One (1) 8.5x11 SKA drawing.
   - .4 Mechanical & Electrical Addendum – three (3) typed page of instruction, one (1) 8.5 x 11" sized "SKM-1" drawing and one (1) 42x30" sized drawing" M06".

Item 1 – Cover Page:

REVISED CLOSING DATE: APRIL 9, 2021

Item 2 - QUESTIONS & ANSWERS:

Q. What is the deck height in the office?
A. The elevation to the top of the wood joist/deck is ±3082mm. The elevation to the underside of the wood joist is ±2762mm.

Q. Please confirm if any fire suppression is required for the new range hood in A109 Nutrition.
A. The range hoods in both A109 Nutrition & A106 Staff Lounge do not require fire suppression.

Q. Regarding the Condensing Units being installed on the roof. The detail drawing shows the Power & Refrigerant piping coming through a gooseneck flashing. Will each condensing unit require 1 gooseneck or 2? DWG M07 appears to show 2 but please clarify.
A. One (1) gooseneck required per detail on drawing M08.

Q. LEED Requirements – 08 13 16 – 2.2.1.2 notes 'recycled content'. Are there any LEED requirements for this scope of work?
A. There are no LEED requirements for this project.

Q. Hardware for Aluminum Doors – According to 08 13 16 – 2.2.10, we are to prep and install only for door hardware supplied by others. Is there a hardware list available for doors X100A & A100A? Section 08 71 10 does not list the hardware for aluminum doors.
A. The Finish Door Hardware is to be supplied through the project Cash Allowance. The hardware list will be provided to door manufacturer but is not available at this time. Vestibule doors will include panic hardware and door closers.

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Tender No. 7161-KP-21

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ADDENDUM NO. 4 **Issued March 26, 2021**

AMENDMENTS TO SPECIFICATION BINDER:

Item 3: Table of Contents:
1. ADD the following specification section to the "Table of Contents":
   "07 46 13 Metal Siding 4 (pages)"

Item 4: Invitation to Proponents:
.1 REVISE dates in item 1.8 TIMETABLE as follows:

Deadline for Questions/Queries	**Tuesday, April 6, 2021,** 2:00 P.M.
Deadline for Issuing Addenda	**Wednesday, April 7, 2021**
Closing Deadline	**Friday, April 9, 2021**, 2:00:00 P.M.

Item 5: Section 07 46 13 Metal Siding:
1. ADD enclosed specification section (4 pages) in its entirety. Siding for use at mechanical louvre removal infill.

Item 6: Section 08 13 16 Aluminum Doors:
1. REVISE item 2.1.1 to read as follows:
   ".1 Aluminum doors:
   .1 Interior – non-thermal, heavy duty: approved products:
   .1 'Canadiana HD' by Alumicor Limited.
   .2 '350 Tuffline' by Kawneer Company Canada Limited."

Item 7: Section 08 44 13 Glazed Aluminum Wall Systems:
.1 DELETE item 2.3.15: "~~Spandrel Panels: ….~~"

Item 8: Section 08 50 50 Windows:
1. REVISE item 2.4.1 to read as follows:
   "Exposed aluminum sections and infill panels or interior column covers, if any, shown on drawings be given an anodic oxide treatment in accordance with Aluminum Association specification AA-M12C22A31. and CAN/CSA-A440 **Clear Anodized A31 Class II (0.4-0.7 mils thick)** in accordance with AAMA 611."

Item 9: Section 08 80 50 Glazing:
1. DELETE item 2.1.14: "~~Display cases: ….~~"

Item 10: Section 08 11 15 Door Schedule:
1. REVISE line item to read as follows for Door A104A:

DOOR #	ROOM NAME	DOOR								FRAME					REMARKS
		WIDTH	HEIGHT	FIRE	H.T.	TYPE	MAT'L	FIN	GLASS	TYPE	MAT'L	FIN	DC	GLASS	
A104 A	COPY AREA	900	2150	-	-	D	WD	ST	TG	EX.	HM	P	-	-	PAINT EXISTING FRAME.

Item 11: Section 09 65 19 Resilient Tile Flooring:
1. ADD the following item 2.1.1.5 "Gerflor Creation 55".

Prueter Public School – Office & HVAC Upgrades
Tender No. 7161-KP-21

PROJECT NO. 20123
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ADDENDUM NO. 4 **Issued March 26, 2021**

AMENDMENTS TO DRAWINGS – ARCHITECTURAL:

Item 12: Drawing A02 – Ground Floor Demolition Plans:

1. ADD note '24' to drawing to read:
   "Remove existing door/screen assembly. Existing frame to remain. Remove existing loose paint/finish on existing frame. Contractor to grind, sand as required to remove all surface rust. Fill any holes in frame as required. Prime and paint."
2. REPLACE note '3' on drawing 1/A02 at Staff Lounge X106 entrance door with note '24'.
3. ADD note '25' to drawing to read:
   "Contractor to remove existing wood panel finish and trim on existing walls, in its entirety and prepare existing framing for new gypsum finish."
4. ADD note '25' on drawing 1/A02 to existing west wall to remain in Principal Office X105, both sides.
5. ADD note '26' to drawing to read:
   "Contractor to remove existing wood trim at underside of ceiling on existing walls, in its entirety. Patch and infill existing gypsum wall as required. Prepare for new finish."
6. ADD note '26' on drawing 1/A02 to existing north and east walls to remain in Principal Office X105.
7. ADD section reference through exterior doors at Vestibule X143 referring to drawing 47/A06.

Item 13: Drawing A03 – Ground Floor Proposed Plans:

1. REVISE note '10' to drawing to read:
   "Ensure smooth transition between new infill walls and existing walls. Contractor to match texture of existing adjacent surfaces. Supply and install wood trim to match adjacent walls. Paint wood trim, wall and accent band to match adjacent walls."
2. ADD section reference through exterior doors at Vestibule X143 referring to drawing 48/A06.

Item 14: Drawing A05 – Partial Ground Floor Demolition & Proposed RCP:

1. ADD note 'C7' to drawing to read:
   "Remove existing acoustic ceiling tiles, grids, diffusers, lightings, returns, etc to extend shown as require to install new ceiling. See mech./elect. drawings. Contractor to refer to abatement report in specification for demolition of second, friable, soft textured ceiling above acoustic ceiling to be removed. "
2. REPLACE note 'C4' on Drawing 2/A05 in Main Office X101 & Principal Office X105 with note 'C7'.

Item 15: Drawing A06 – Interior & Partial Exterior Elevations, Enlarged W/R Plans, Window Schedule.

1. ADD note drawing 36/A06 to wall at left side of main entrance doors to read:
   "Coordinate new opening with location of ex. date stone. Remove stone and masonry below as required to reinstall below new windows. Infill above as required with salvaged brick."
2. ADD section detail 47/A06, refer to attached drawing 1/SKA1
3. ADD section detail 48/A06, refer to attached drawing 2/SKA1

Item 16: Mechanical & Electrical

.1 Find attached "Mechanical and Electrical Addendum", dated March 25, 2021, issued by DEI Consulting Engineers, which includes three (3) typed page of instruction, one (1) 8.5 x 11" sized "SKM-1" drawing and one (1) 42x30" sized drawing" M06".

End of Addendum No. 4

Part 1 General

1.1 SECTION INCLUDES

.1 Requirements for the installation of preformed metal cladding/siding.

1.2 RELATED SECTIONS

.1 Section 01 33 00 - Submittal Procedures.

.2 Section 06 10 11 – Rough Carpentry.

.3 Section 07 21 19 – Sprayed in Place Urethane Foam Insulation.

.4 Section 07 41 43 – Aluminium Composite Panels.

1.3 REFERENCES

.1 American National Standards Institute (ANSI).

.1 ANSI B18.6.4-[99], Thread Forming and Thread Cutting Tapping Screws and Metallic Drive Screws.

.2 American Society for Testing and Materials International, (ASTM).

.1 ASTM D2369-[03], Test Method for Volatile Content of Coatings.

.2 ASTM D2832-[92(R1999)], Guide for Determining Volatile and Non-volatile Content of Paint and Related Coatings.

.3 ASTM D5116-[97], Guide For Small-Scale Environmental Chamber Determinations of Organic Emissions From Indoor Materials/Products.

.3 Canadian General Standards Board (CGSB).

.1 CAN/CGSB-51.32-[M77], Sheathing, Membrane, Breather Type.

.2 CAN/CGSB-93.2-[M91], Prefinished Aluminium Siding, Soffits and Fascia, for Residential Use.

.3 CGSB 93.5-[92], Installation of Metal Residential Siding, Soffits and Fascia.

.4 Canadian Standards Association (CSA International).

.1 CSA B111-[1974(R2003)], Wire Nails, Spikes and Staples.

.5 Environmental Choice Program (ECP).

.1 CCD-045-[95], Sealants and Caulking Compounds.

.6 Underwriters' Laboratories of Canada (ULC).

.1 CAN/ULC-S706-[02], Wood Fibre Thermal Insulation for Buildings.

1.4 SUBMITTALS

.1 Shop Drawings:

.1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.

.2 Indicate arrangement of sheets and joints, types and locations of fasteners and special shapes and relationship of panels to structural support members or support wall.

.3 Clearly detail and indicate locations of all Z clips, J-closures and edge trims.

.4 Describe in shop drawing details, suitable accommodation for the removal and joining of future cladding as described in 1.2.7 of this section and on drawings.

.2 Samples:

.1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.

.2 Submit duplicate 300 x 300 mm samples of siding material, of colour and profile specified.

.3 Manufacturer's Instructions:

.1 Submit manufacturer's installation instructions.

1.5 WASTE MANAGEMENT AND DISPOSAL

.1 Divert used metal cut-offs from landfill by disposal [into the on-site metals recycling bin] [removed for disposal at the nearest metal recycling facility].

.2 Divert reusable materials for reuse at nearest used building materials facility.

.3 Divert unused caulking, sealants, and adhesive materials from landfill through disposal at hazardous material depot.

1.6 EXTENDED WARRANTY

.1 Submit a warranty for metal siding system, covering materials and labour and the repair or replacement of defective work in accordance with the Contract, but for five (5) years total.

Part 2 Products

2.1 ACCEPTABLE MANUFACTURERS

.1 Metal siding (for infill at existing mechanical louvre removal and infill)

.1 Peerless Enterprises, VicWest Steel Inc. or Agway Metals Inc.

2.2 MATERIALS – METAL SIDING/SOFFIT

.1 For copings and flashings, provide prefinished metal 24 gauge thickness, colours as specified in Section 076200- Sheet Metal Flashing and Trim.

.2 For metal framing refer to Contract Drawings.

.3 Profile to match **Vicwest CL-5022R**.

.4 Colour: To be selected by Architect for manufacturer’s full colour range.

.5 Structural shapes, plates, sag rods, and similar items: CAN/CSA-G40.20-G40.21-M, Grade 300W.

.6 Hollow structural sections: CAN/CSA-G40.20/G40.21-M Grade 350W, Class H.

.7 Screws: to ANSI B18.6.4, stainless steel Type 304; nylon head colour same as exterior sheet.

.8 Powder actuated fasteners: galvanized, peened ballistic point, plastic cap of same color as exterior sheet.

.9 Sealants: in accordance with Section 079210- Joint Sealers, colour selected by Consultant. Allow for one (1) colour from manufacturers full range to match adjacent metal.

.10 Gaskets: soft pliable arctic grade vinyl, extruded profile.

.11 Touch-up paint: as recommended by panel manufacturer and Baycoat, compatible with prefinished coating.

.12 Isolation coating: alkali resistant bituminous paint or epoxy resin solution.

.13 Insulation: As noted on Drawings and in Section 072113 – Board Insulation, and sections pertaining to Insulation and Sheet Air/Vapour Barrier transition membrane.

2.3 COMPONENTS – METAL SIDING

.1 Exterior sheet: factory preformed coated metal, to profiles and thicknesses as indicated.

.2 Exterior corners: of same profile, material and finish as adjacent siding material, shop cut and brake formed to required angle, concealed corner brace, hairline exposed joint, pop rivet connections with painted head to match siding.

.3 Exposed joint ends of siding sheet shop cut clean and square, backed with tight fitting filler lapping back if joint, exposed components color matched to siding.

.4 Accessories: cap flashings, drip flashings, internal corner flashings, copings and closures for head, jamb, eaves, soffits sill and corners, of same material and finish as exterior siding, brake formed to shape. Exposed cut edges of metal profiles will not be accepted.

.5 Sub-girts: zinc coated to ASTM A653, G90 coating designation, profile as indicated to accept exterior sheet with structural attachment to building frame.

Part 3 Execution

3.1 MANUFACTURER'S INSTRUCTIONS

.1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

3.2 INSTALLATION

.1 Install cladding in accordance with CGSB 93.5, and manufacturer's written instructions

.2 Install sub-girts to masonry walls prior to the installation of the Urethane foam insulation

.3 Install exterior finish siding to internal sub-girts with concealed fasteners.

.4 Provide notched and formed closures, sealed to arrest direct weather penetration at vertical profiles for exterior siding. Ensure continuity of "pressure equalization" of rain screen principle.

.5 Provide alignment bars, brackets, clips, inserts, shims as required to securely and permanently fasten wall system to building structure.

.6 Supply and install flashing at connection between roof and preformed metal siding.

3.3 CONTROL JOINTS

.1 Construct control joints, as indicated.

.2 Use cover sheets, of brake formed profile, of same material and finish as adjacent material.

.3 Use mechanical fasteners to secure sheet Expansion Joints materials.

.4 Assemble and secure wall system to structural frame so stresses on sealants are within manufacturer's recommended limits.

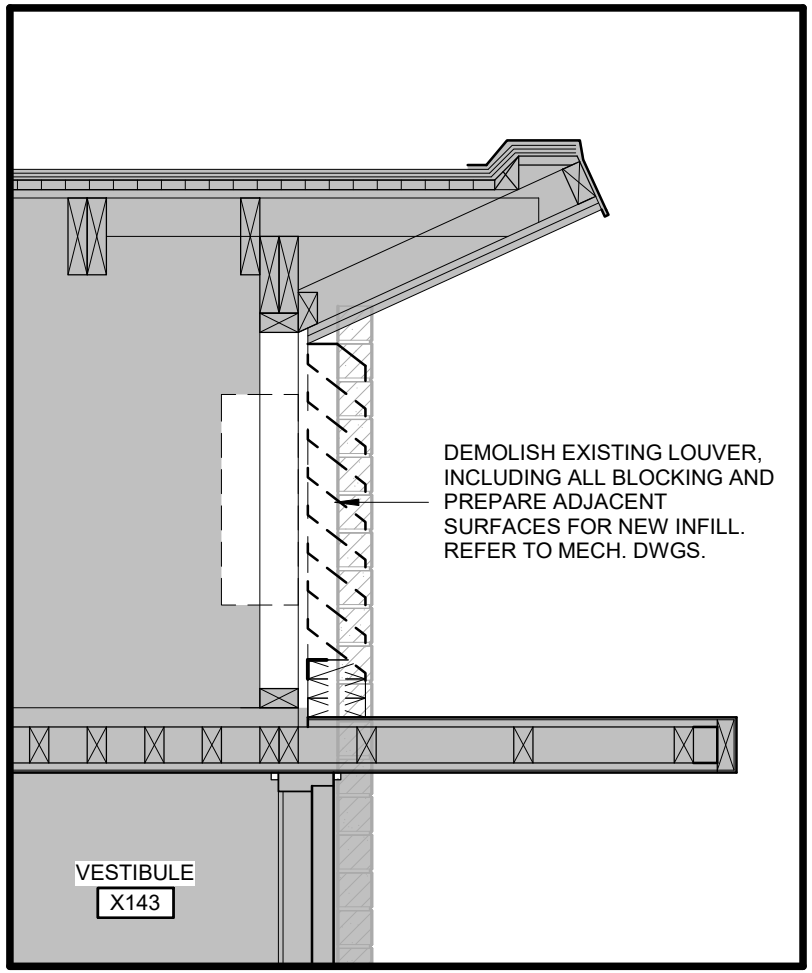
3.4 CLEANING

.1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

.2 Wash down exposed surfaces using solution of mild domestic detergent in warm water, applied with soft clean wiping cloths.

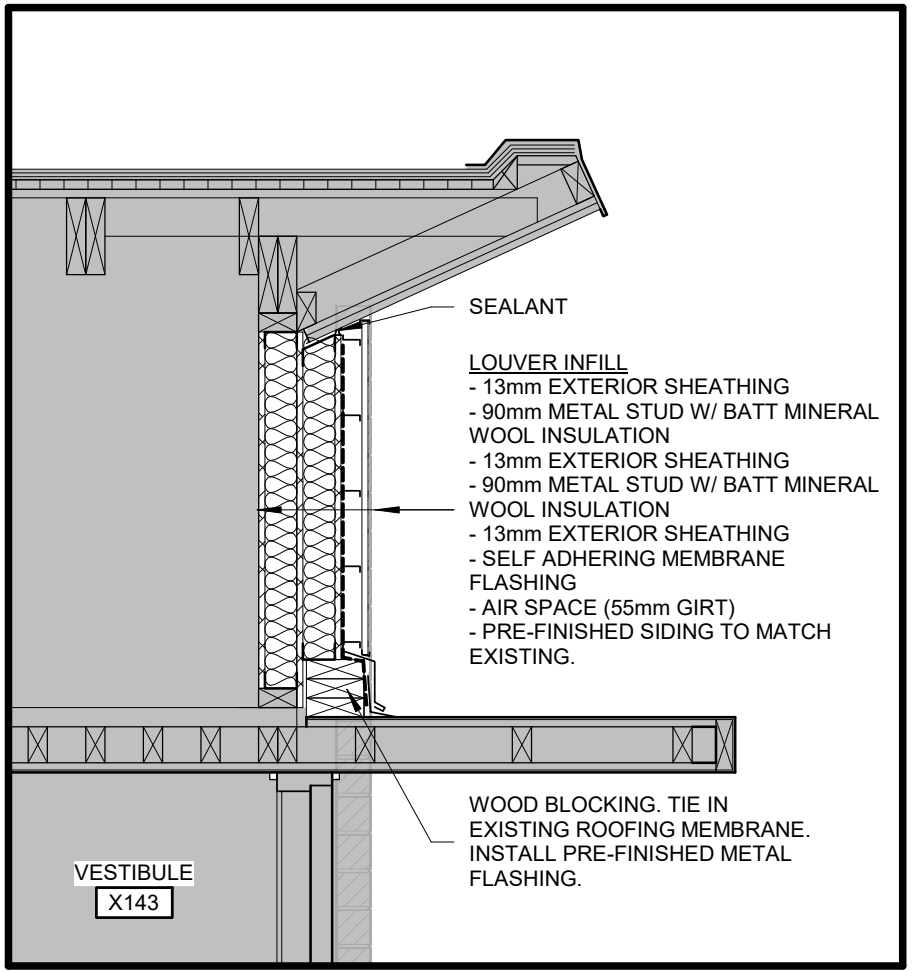
.3 Remove excess sealant with recommended solvent.

END OF SECTION



1/1 *VESTIBULE X143 - LOUVER DEMO. - SKA*

SCALE: 1 : 20



2/1 *VESTIBULE X143 - LOUVER INFILL - SKA*

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ISSUE/REV.

SKA 1

HOSSACK & ASSOCIATES ARCHITECTS

PROJ:	20123
SCALE:	1 : 20
DRAWN:	JK
DATE:	03/25/21

LOUVER INFILL DETAILS

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC

55 Northland Rd.
Waterloo, ON
N2V 1Y8

Tel: 519-725-3555
Fax: 519-725-2515
www.deiassociates.ca

March 25, 2021

Hossack & Associates Architect Inc.
2150 Dunwin Drive
Mississauga, Ontario
L5L 5M8

RE: Prueter Public School – HVAC Upgrades
Kitchener, Ontario

Job #: 20285

Attn: Mr. Jonathan Knight, B.Arch.Sci., M.Arch., OAA/Mr. Priscilla Ladouceur, B.E.S., B.Arch., OAA, MRAIC

MECHANICAL AND ELECTRICAL ADDENDUM

MECHANICAL

Item 1

1.0 Reference Drawing M01

.1 EW-1 added to plumbing schedule, to be HAWS 7260BT-7270BT or approved alternative. 250mm diameter impact resistant bowl chrome plated brass spray heads complete with covers, and wall mounting bracket. Tepid water mixing valve meeting requirements of ANSI Standard Z358.1-2004. Mixing valve is to provide water temperature between 15.5°C and 38°C. 15mm chrome plated brass stay open ball valve complete with push handle.

Item 2

2.0 Reference Drawing M02

.1 HVAC-1 system controls shall be by BAS contractor. Provide electro-mechanical controls with thermostat interface.

.2 All rooftop exhaust fans to have DVR supplied by BAS contractor.

.3 H3 radiation unit added, acceptable manufacturer is ENG-A WF-1A. Unit is wall hung, 16ga steel cabinet with all mounting hardware, corners, lap pieces, end caps etc. Element to be 4x4 aluminum fins on 1 1/4Ø copper tube with 50 fins/ft. Provide stamped grille on sloped top, open bottom, 24" high cabinet with 2 elem rows.

.4 VVT damper sizes have been revised as follows:
VVT-1.1 resized to 10x10.
VVT-1.2 resized to 20x12.
VVT-1.3, VVT-1.4, resized to 10"Ø.
VVT-1.5 resized to 12"Ø.
VVT-1.6 resized to 12x10.
VVT-1.7 resized to 14x8.

Item 3

3.0 Reference Drawing M03

.1 Contractor to scan/xray and video the existing buried sanitary piping serving classroom sinks in JK/SK Classroom X108 to facilitate tie in of new sink in Staff Lounge A106.

.2 All mechanical services in area of new HVAC unit (located over existing Staff Lounge X106) to be removed and reinstalled to suit structural reinforcement.

Item 4

4.0 Reference Drawing M04

.1 Thermostat in Centre Library X127 to be removed complete and replaced with new (note 7). Refer to renovation drawings.

.2 Revise note 3 to read as follows:
"Existing convector, associated valves, and piping to be removed complete, prepare for new connection."

.3 Revise note 7 to read as follows:
"Existing thermostat to be removed complete. Existing pneumatic tubing to be removed complete. Provide stainless steel cover plate where thermostat removed but not replaced."

.4 Revise note 8 to read as follows:
"Existing pneumatic control valve to be removed & replaced with DDC valve. Remove and replace all corresponding shutoff and balancing valves. Refer to renovation drawings. Existing pneumatic tubing to be removed complete."

Item 5

5.0 Reference Drawing M05

.1 Provide isolation ball valves at mains in W/R A001, Seminar Room A107, and Custodian Office A110.

.2 Provide eyewash EW-1 adjacent to mop sink in Custodian Office A110. Revise note J to read as follows:
"15Ø H&CW & 80Ø san serving MS-1. Extend 15Ø H&CW piping to new eyewash & provide 15Ø CW to new RP backflow preventor. Refer to detail. Drain new 40Ø san from EW-1 to MS."

Item 6

6.0 Reference Attached Re-Issued Drawing M06

.1 Specific Renovation Notes have been revised. Refer to re-issued drawing M06.

.2 Provide steel stand to be for UV-1 and UV-4 to suit exterior grade change. Louver to be located at high level in classroom. Refer to re-issued drawing M06.

.3 Single thermostat added in Library X127 serving UV-13 and UV-14 and radiant heat. Refer to re-issued drawing M06.

.4 Replace all existing shutoff and balancing valves serving all modified radiant heaters throughout. Refer to re-issued drawing M06.

.5 Rebalance exhaust grilles in JK/SK X108, Boys WR 119, Girls WR X118, UTR X121 to suit new fans. Refer to re-issued drawing M06.

.6 Thermostat in Meeting Room A105 relocated. Refer to re-issued drawing M06.

.7 Return air grilles added in Health Room A101, Principal Office X105, Copy Area A104, Seminar Room A107, Main Office A100, and Meeting Room A105. Refer to re-issued drawing M06.

.8 VVT and ductwork sizing has been revised. Refer to re-issued drawing M06.

.9 250x150 duct up thru millwork from RH-1 and RH-2. Transition in ceiling space to 200Ø.

.10 Provide acoustic insulation on new ductwork leading into EF-8, EF-11, and EF-12. Refer to re-issued drawing M06.

.11 Run wiring for new thermostats in wire mold to the ceiling and then from ceiling to new unit ventilators and existing radiation units. Refer to re-issued drawing M06.

.12 H3 units added in Staff Washroom A102, A103 and A108. Refer to re-issued drawing M06.

Item 7

7.0 Reference Drawing M07

.1 Route PRV vent minimum 10” away from HVAC intake on roof.

.2 RS/RL piping down in doghouse is to run along roof to the new condensing unit. Number of circuits and sizing as per manufacturers recommendations.

Item 8

8.0 Reference Drawing M08 and Attached Sketch SKM-1

.1 Mop sink and pipe support on roof details added. Refer to attached sketch SKM-1.

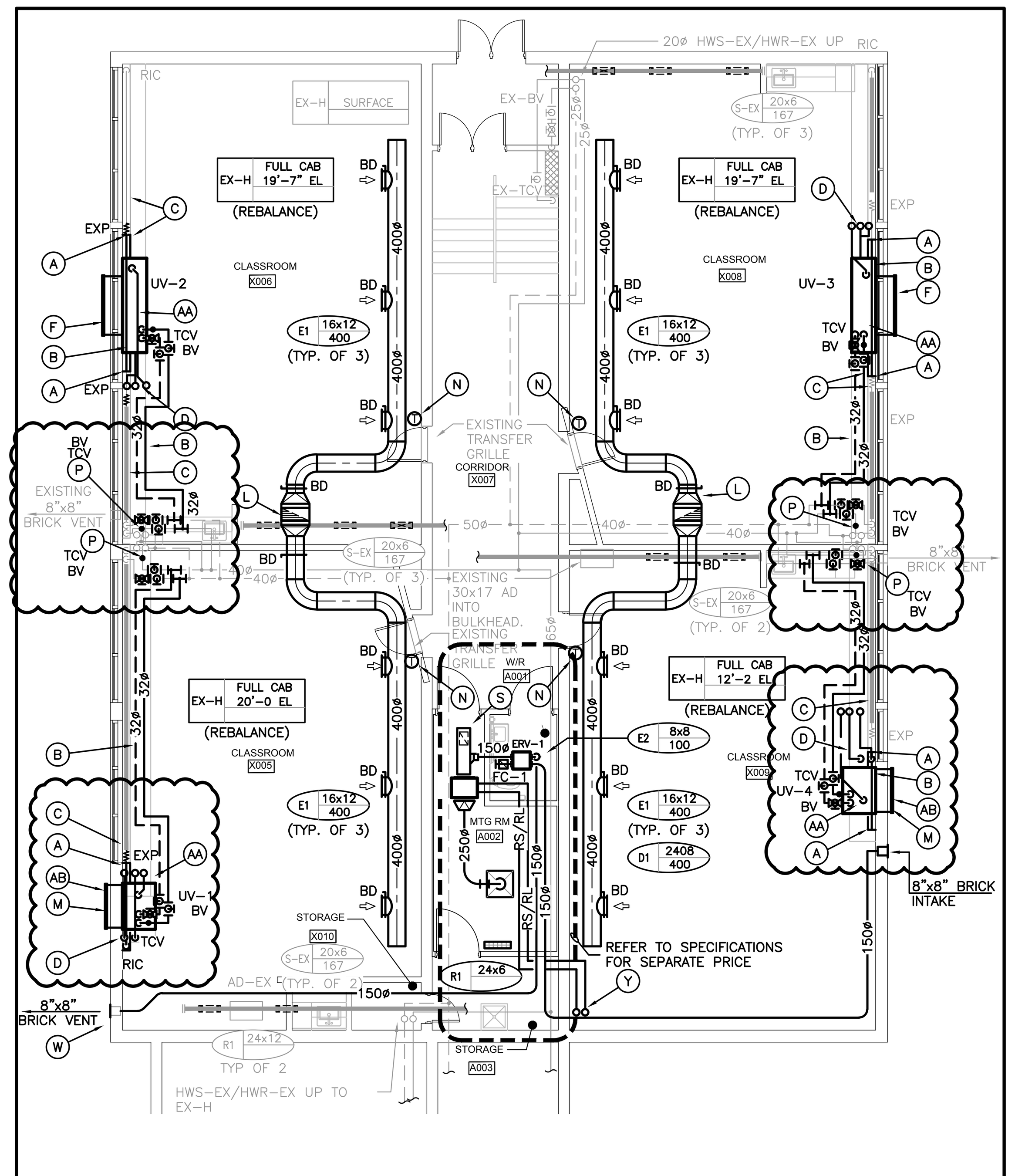
ELECTRICAL

Item 1

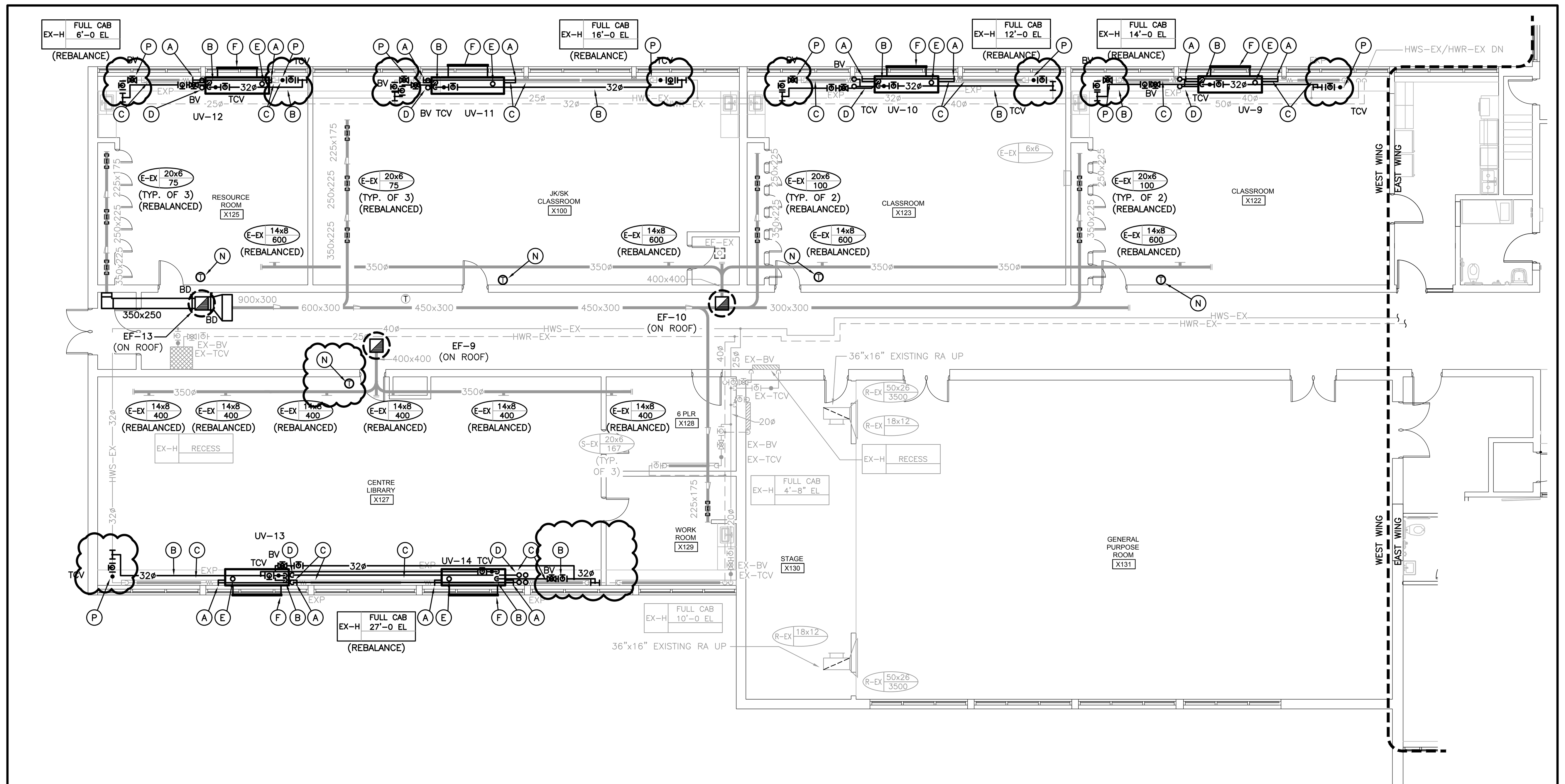
1.0 Reference Drawing E1.2

.1 Light fixture equivalent added for fixture type P, equivalent to be as follows: Lithonia Cat. #LDN4CYL-40/10-LO4AR-LSS-MVOLT-GZ1-PM-XXX/CRS.

Ann Demaiter, EIT
Associate
20285 Addendum (M&E)(dwg M06)(SKM-1) Mar 25 21
kv/ad/km



BASEMENT PLAN – HEATING & VENTILATION
SCALE: 1:100



WEST WING GROUND FLOOR PLAN – HEATING & VENTILATION
SCALE: 1:100

GENERAL RENOVATION NOTES

- REFER TO ALL DRAWINGS FOR THERMOSTAT/SENSORS NOT INDICATED ON THIS DRAWING.
- CLEAN AND VACUUM EXISTING DUCTWORK ADJACENT TO NEW CONNECTIONS ± 10'–0" IN EACH DIRECTION.

SPECIFIC RENOVATION NOTES

A. CONNECT NEW HWS/R PIPING TO EXISTING HWS/R PIPING. ROUTE THRU BACK OF UNIT VENTILATOR CABINET. REFER TO DETAIL.

B. ROUTE 32ø HWS/R PIPING THRU DEDICATED PIPING CHASE AT BACK OF NEW UV. REFER TO DETAIL.

C. EXISTING RADIATION INSTALLED WITHIN MILLWORK TO REMAIN OPERATIONAL. EXISTING GRILLES AT TOP AND BASE OF MILLWORK TO BE RE–INSTALLED IN NEW MILLWORK AND COUNTERTOPS.

D. RS/RL PIPING UP TO ROOF, ROUTED ALONG COLUMN IN CHASE. OFFSET RS/RL PIPING THRU PLENUM AND MILLWORK TO UNIT VENTILATOR DX COIL CONNECTION.

E. 25ø CONDENSATE DRAIN PIPING THRU WALL TO GRADE.

F. 1350x350 LOUVER THROUGH WALL C/W HEAVY DUTY LATTICE GRILLE.

G. N/A.

H. N/A.

J. NEW 1150x800 LOUVER THROUGH WALL C/W HEAVY DUTY LATTICE GRILLE.

K. 300x650 EA UP&DN.

L. 300x650 EA UP.

M. NEW 1000x800 LOUVER THROUGH WALL C/W HEAVY DUTY LATTICE GRILLE.

N. PROVIDE NEW THERMOSTAT FOR ADDED UV & EXISTING RADIATION. RUN THE WIRING IN WIRE MOLD FROM THE THERMOSTAT TO THE CEILING AND THEN FROM CEILING TO NEW UV AND EXISTING RADIATION.

P. NEW DDC CONTROL VALVE, ISOLATION VALVES & BALANCING VALVES.

Q. 200ø EA UP. TERMINATE IN GOOSENECK ON ROOF.

R. EXTEND 350x200 DUCTWORK IN LOCATION TO SUIT REMOVED EXHAUST FAN.

S. 300x200 RA OPENING IN TOP OF DUCT.

T. ALL EXISTING WALLFIN MILLWORK GRILLES (TOP AND TOE) TO BE REMOVED AND REPLACED IN SAME LOCATION.

U. CAP EXISTING DUCT OPENING.

V. EXTEND 400ø EA DUCT INTO CUBBY ROOM AS INDICATED.

W. PROVIDE NEW BRICK VENT LOUVER.

X. PROVIDE INSULATED PANEL BEHIND LOUVER. REFER TO DETAIL.

Y. RS/RL UP.

Z. RS/RL UP&DN.

AA. 25ø CD ROUTED THRU MILLWORK. TIE IN TO UNIT VENTILATOR CD AND ROUTE TO EXTERIOR.

AB. PROVIDE STEEL STAND FOR UNIT VENTILATOR TO SUIT EXTERIOR GRADE CHANGE. LOUVER TO BE LOCATED AT HIGH LEVEL IN CLASSROOM.

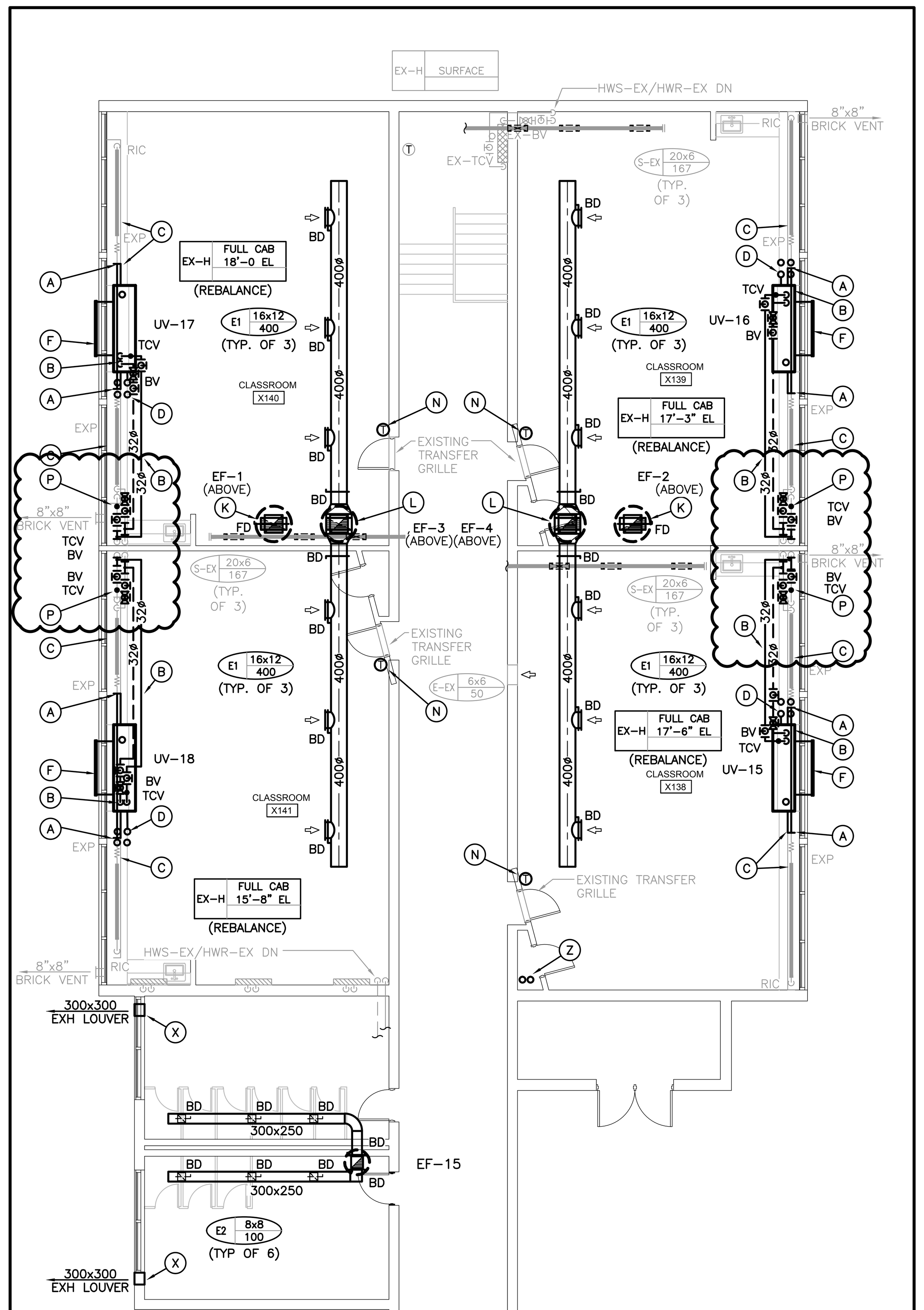
AC. NEW 300x300 TRANSFER DUCT.

AD. NEW 450x350 TRANSFER DUCT.

AE. NEW 750x350 TRANSFER DUCT.

AF. 20ø HWS/R DN IN WALL SERVING H3 COMPLETE WITH ISOLATION AND BALANCING VALVES FOR EACH HEATER.

AG. CONNECT NEW 25ø HWS/R TO EXISTING PIPING.



NORTH GROUND FLOOR PLAN – HEATING & VENTILATION
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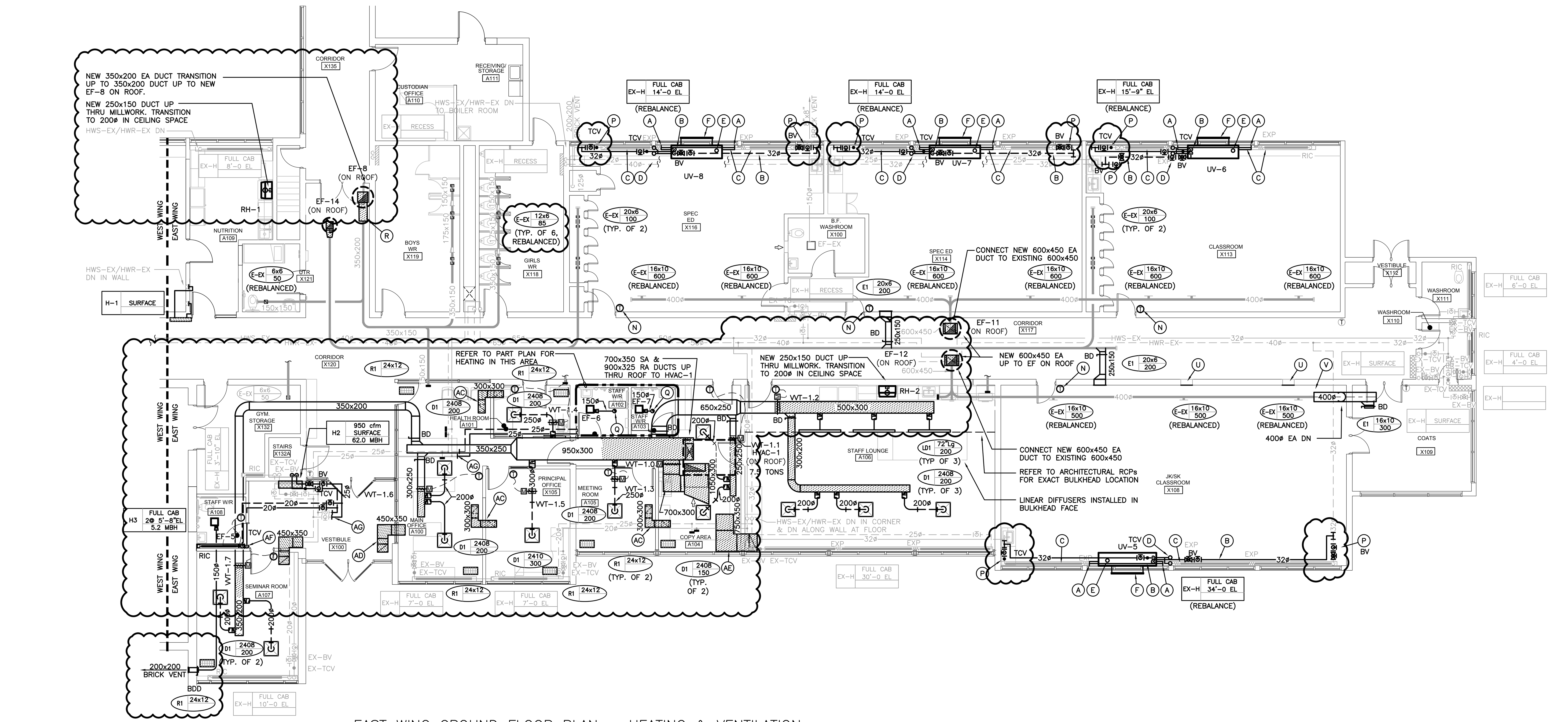
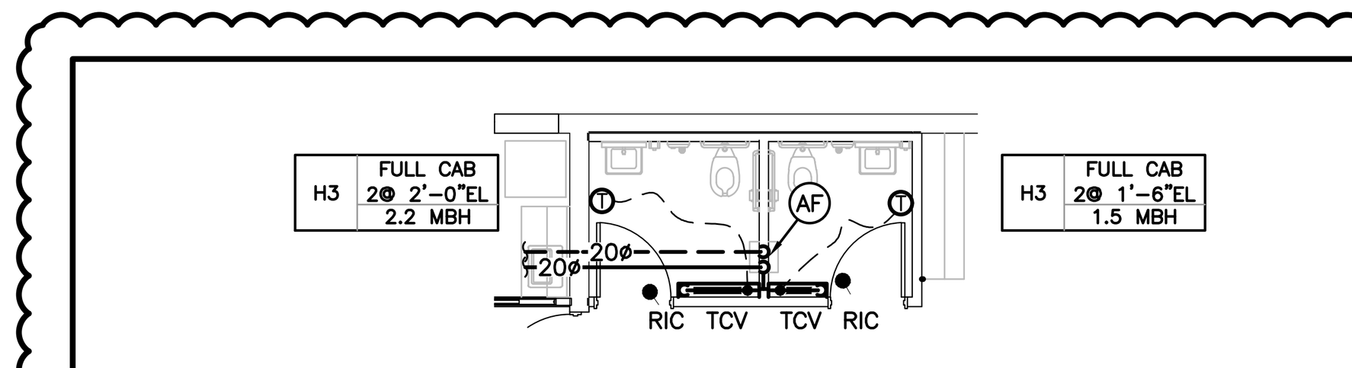


EAST WING GROUND FLOOR PLAN – HEATING & VENTILATION
SCALE: 1:100



PART EAST WING GROUND FLOOR PLAN – HEATING
SCALE: 1:100

NO.	DESCRIPTION	DATE
2	ISSUED FOR PERMIT & TENDER	11/03/21
1	ISSUED FOR OWNER'S REVIEW	01/03/21

RENOVATION TO PRUETER PUBLIC SCHOOL

40 Prueter Ave
Kitchener, ON N2H 6G6

RENOVATION PLANS - HEATING & VENTILATION

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Fax: 519-725-2515
Website: deiassociates.ca
Project Number: 20285

SCALE As indicated	PROJECT 18116
DATE 210108	
DRAWN AC	DRAWING M06
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PRINT DATE	1/8/2021
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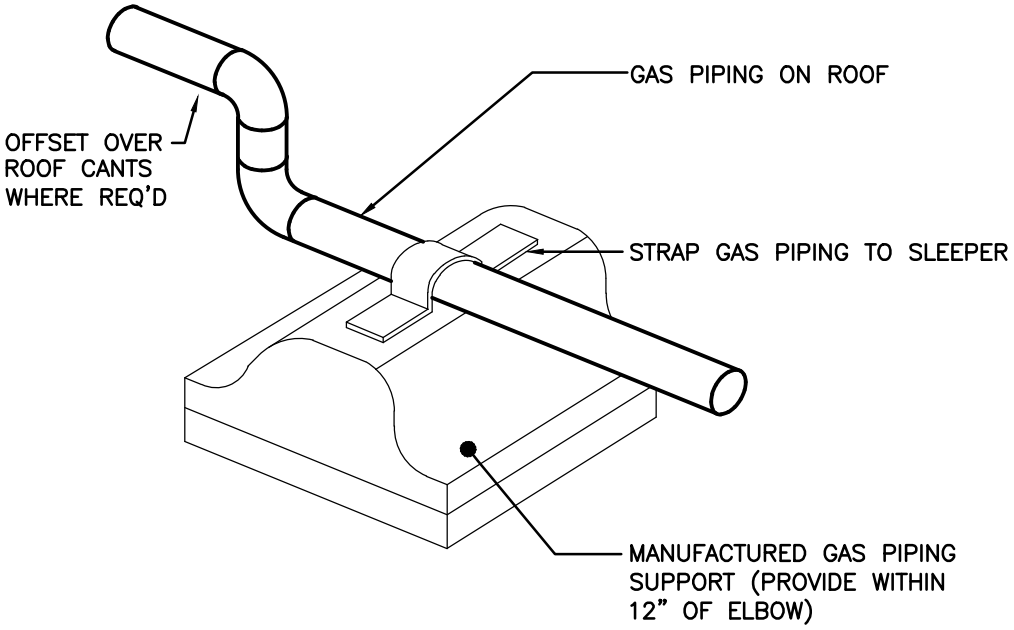
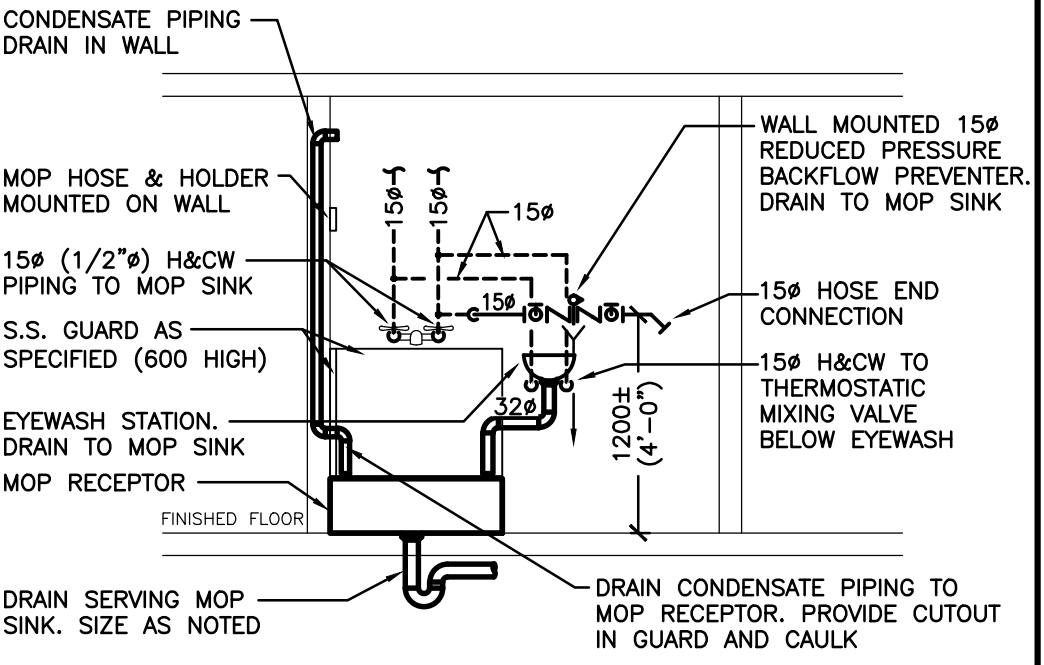


PIPE SUPPORT ON ROOF



MOP SINK WITH REDUCED PRESSURE ASSEMBLY

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PRUETER PS
ADDENDUM
REF DWG M08

SKM-1