



## ADDENDUM

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ADDENDUM NUMBER 2

PROJECT | Nanuet Union Free School District  
Nanuet 2020 Miller Hydronic Conversion

OFFICE ADDRESS | KSQ DESIGN  
215 W 40th Street, 15th Floor | New York, NY 10018 | 914.682.3700

PROJECT NUMBER | 1911002.00 Delta Engineers Number 2019.229.001

Date | 4/6/2021

### NOTICE TO CONTRACTORS|

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This Addendum issued prior to receipt of Bid shall and does hereby become a part of the Construction Documents for the above project.

All principal Contractors shall be responsible for seeing that their Subcontractors are properly apprised of the contents of this Addendum.

All information contained in this Addendum shall supersede and shall take precedence over any conflicting information in the original Bidding Documents dated 3/15/2021 and all previous addenda.

All Contractors shall acknowledge receipt of this Addendum in the space provided in the Proposal Form. Failure to do so may subject Bidder to disqualification.

#### A. CHANGES TO PRIOR ADDENDA

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None.

#### B. CHANGES TO BIDDING REQUIREMENT

None.

#### C. CHANGES TO CONDITIONS OF THE CONTRACT

None.

#### D. CHANGES TO SPECIFICATIONS

None

#### E. CHANGES TO DRAWINGS

**GENERAL:** None

**STRUCTURAL:** None

**ARCHITECTURAL:** None

**MECHANICAL:**

## ADDENDUM

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Sheets MES-M124, M501 & M701

- a. Sheets Reissued
- b. Added minimum flow bypass.

ELECTRICAL: None

PLUMBING: N/A

FIRE PROTECTION: N/A

ENCLOSURES:

SPEC SECTIONS  
None

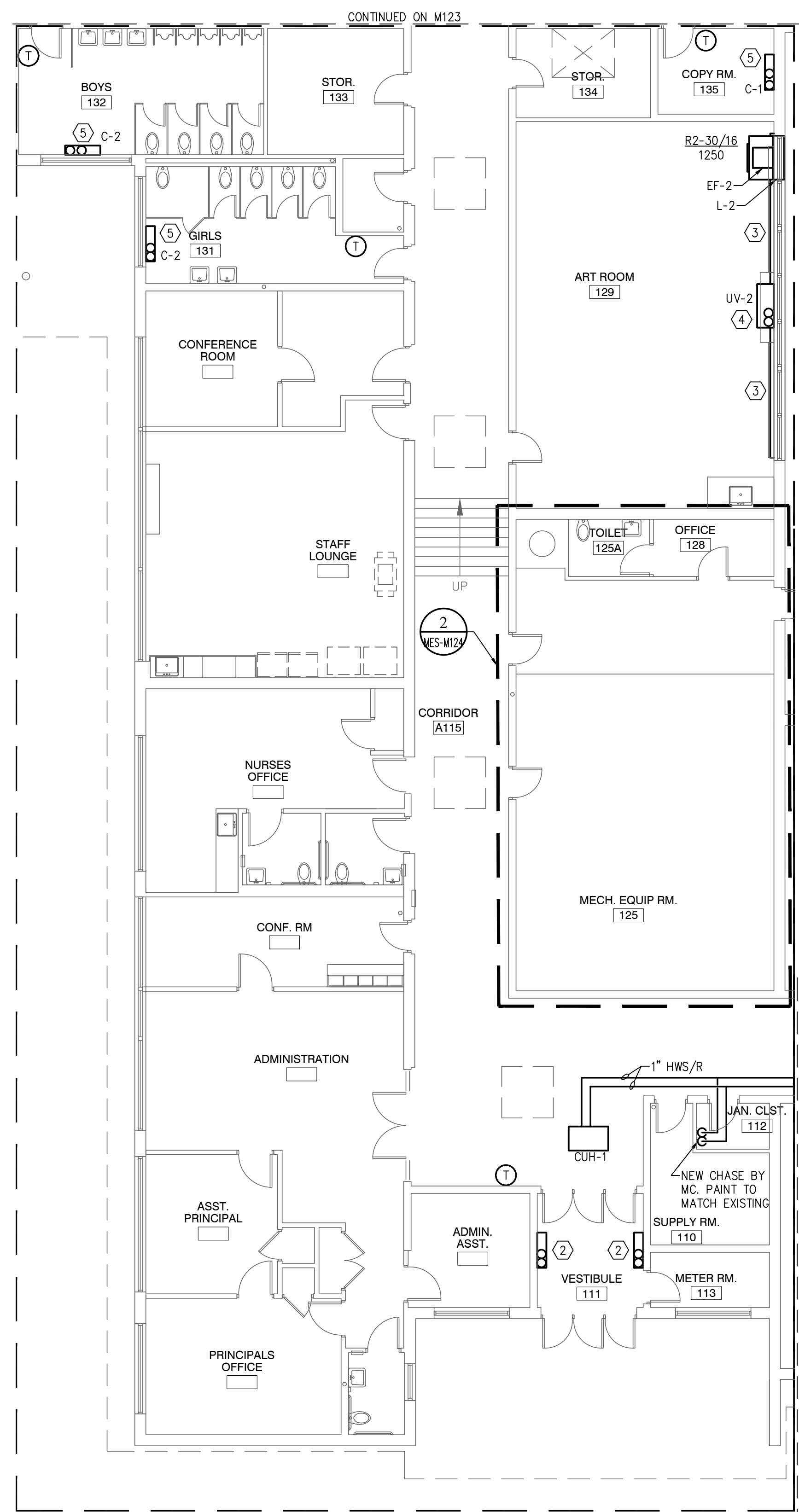
### F. CLARIFICATIONS

1. Question: The tunnels show excessive expansion joints and guides. Are these truly need? Please advise.
  - a. There will be 5 to 6 inches of linear expansion from one end of many of the tunnels to the other. The intent is to absorb that expansion and minimize stress of the various runout Tees.
2. Please clarify the duct arrangement at the EF in each classroom. I see a detail 9/M501, but it does not look like it correctly matches up with what is shown in each classroom.
  - a. Detail 9/M501 is for the fan or blower coils in the gymnasium. There is no mechanical detail of the exhaust fan but refer to A-201 for soffit and louver details related to these fans.
3. In the Mechanical section of the demo drawings, there are various drawings with Note 1 indicating "Steam branch in existing tile pipe." Can you clarify what tile pipe is?
  - a. The tile pipe is simply a sleeve the iron pipe passes through.

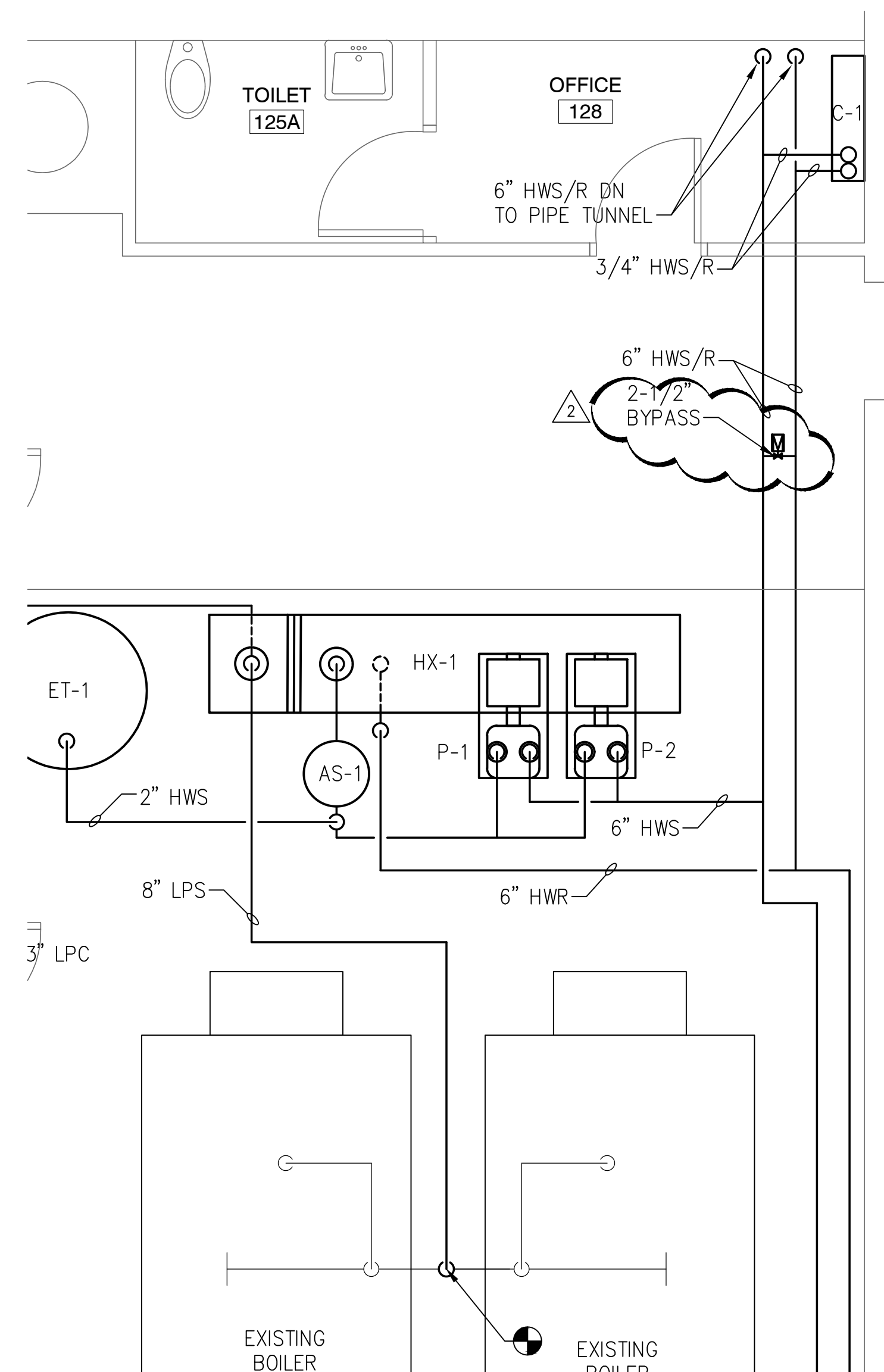
### SHEETS

GENERAL	CIVIL	STRUCT	ARCH	MECH	ELEC	PLUMB	FIRE PROT
				MES-M124			
				MES-M501			
				MES-M701			

END OF ADDENDA



1 HVAC PLAN  
MES-M124 SCALE: 1/8" = 1'-0"



2 HVAC MECH. EQUIP RM. PLAN  
MES-M124 SCALE: Custom

## KEYED NOTES

- ① NOT USED.
- ② EXISTING CONVECTOR HOUSING TO REMAIN. REPLACE ALL STEAM PIPING AND HEATING ELEMENTS WITH HYDRONIC. PROVIDE LINE SIZE MODULATING THERMOSTATIC VALVE WITH DDC ACTUATOR.
- ③ PROVIDE FINNED TUBE RADIATION (FTR-1) AND ENCLOSURE. SEE DETAIL 9/YES-M501. ENCLOSURE TO GO FROM FLOOR TO WALL. ACTIVE FIN TO COME WITHIN 12 INCHES OF EACH END. FIELD 9/YES DIMENSIONS.
- ④ PROVIDE WITH UNIT VENTILATOR. PIPING TO BE SUPPLIED FROM PIPE TUNNEL BELOW. CONNECT TO EXISTING DUCT. PROVIDE UNIT VENTILATOR WITH FALSE BACK AND INSULATED PIPE ENCLOSURE.
- ⑤ PROVIDE CONVECTOR. PIPING TO BE SUPPLIED FROM PIPE TUNNEL BELOW.

## GENERAL NOTES

1. UNLESS OTHERWISE NOTED, U/S SHALL REUSE EXISTING OA LOUVER/GRILLE. PROVIDE AN AIRIGHT ADAPTER TO FIT THE U/S OA INLET.
2. EXISTING FLOOR TILES CONTAIN ASBESTOS MATERIALS. IF THE ACM MUST BE DISTURBED TO PENETRATE FLOOR OR ABOVE REASON, COORDINATE WORK WITH OWNER AND ENGINEER. OWNER SHALL PROVIDE THE ABATEMENT BY CERTIFIED PERSONNEL.
3. WHEN SETTING U/S OR CASEWORK LEVEL FLOOR AS NECESSARY WITH NON ACM FLOOR TILES.
4. CONTRACTOR SHALL VERIFY CONDITIONS IN FIELD TO PROVIDE MATERIAL AND LABOR NECESSARY FOR EACH APPLICABLE CONDITION. EXISTING CONDITIONS MAY VARY FROM TYPICAL DETAILS.
5. EXPANSION JOINTS SHALL HAVE A MINIMUM 1" COMPRESSION AND 1/3" TENSION CAPACITY UNLESS OTHERWISE NOTED.

ARCHITECT

ksqdesign

**NEW YORK OKLAHOMA NORTH  
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**Owner**  
**Nanuet Union Free School District**  
 Nanuet High School Global Learning Commons  
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Environmental Engineer

**Green Path Environmental, Inc.**  
79 Glover Street, Suite 1  
Staten Island, NY 10308  
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**MEP Engineer**  
**DELTA Engineers, Architects, & Land  
Surveyors, DPC**  
220 Harborside Dr, Suite 202  
Schenectady, NY 12305  
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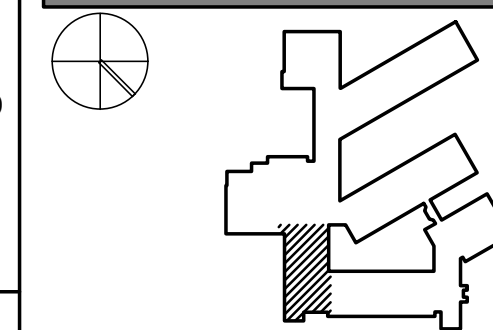
**SED CONTROL NUMBERS**  
MILLER ES #: 50-01-08-03-0-001-022



NANUET  
MILLER ES  
HYDRONIC  
CONVERSION  
2020

103 Church St, Nanuet,  
NY 10954

KEY PLAN



## REVISIONS

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**ISSUED: ISSUE FOR BID**

DATE: MARCH 15, 2021

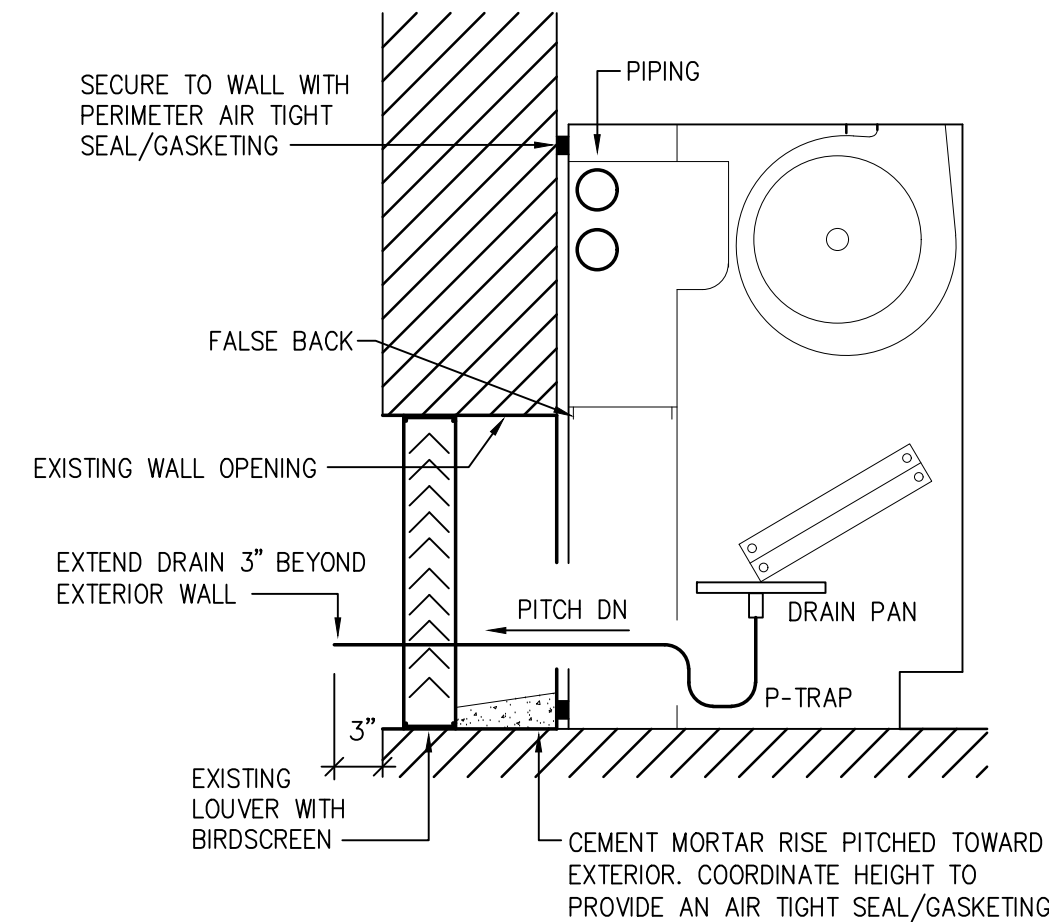
**SCALE:** As indicated

SHEET NAME:  
HVAC PLAN

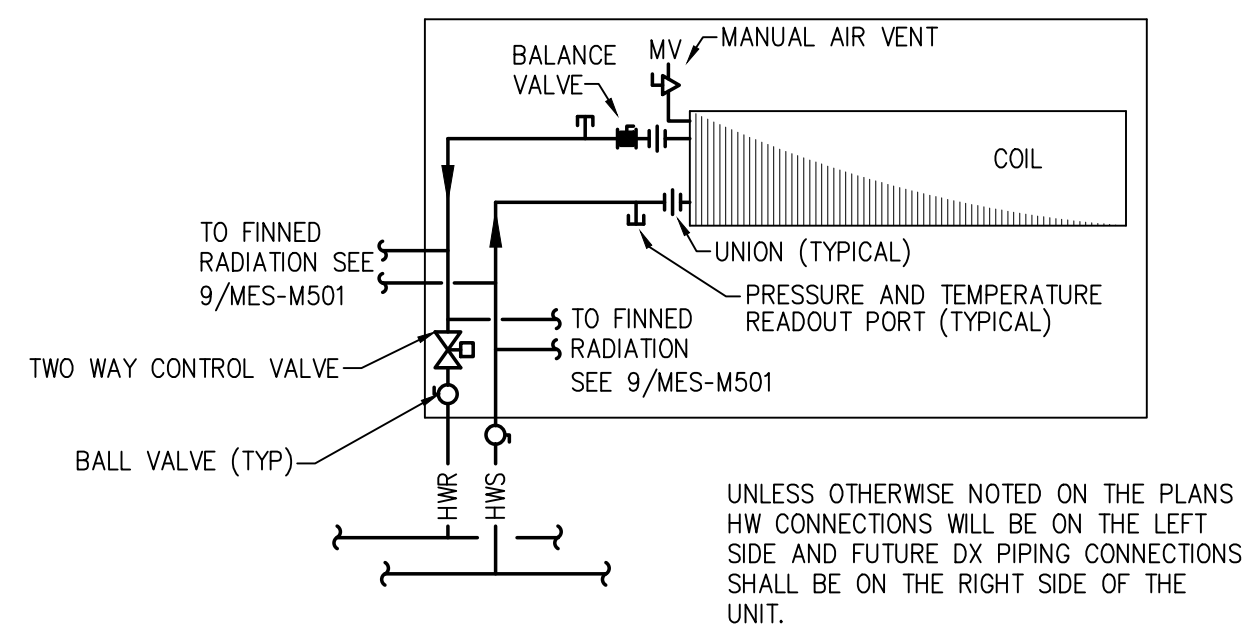
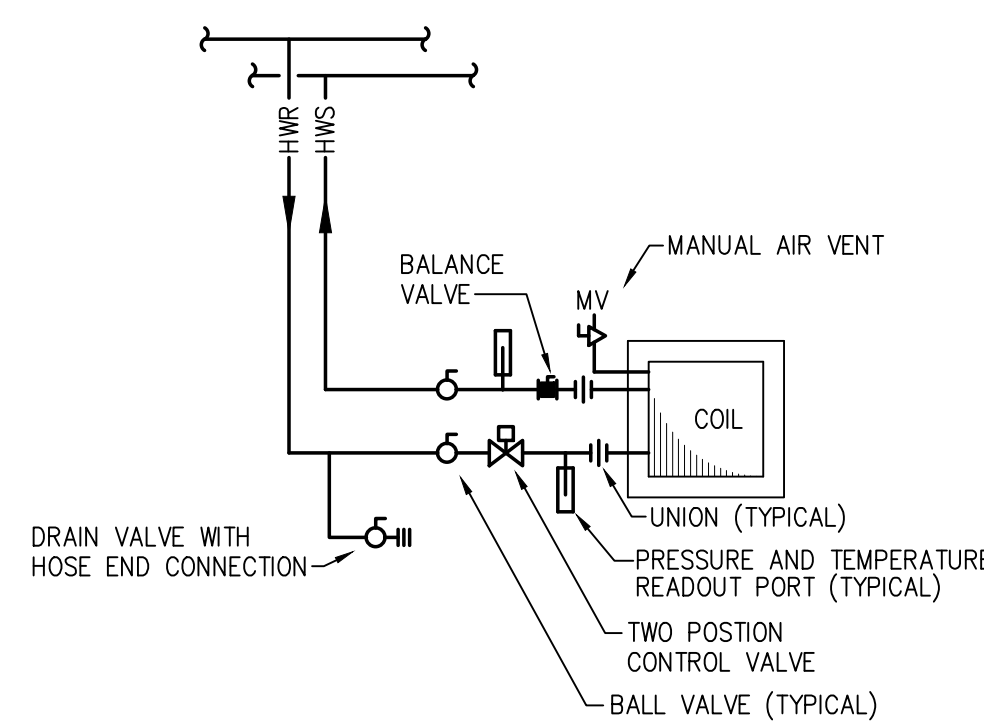
SHEET NUMBER:

MES-M124



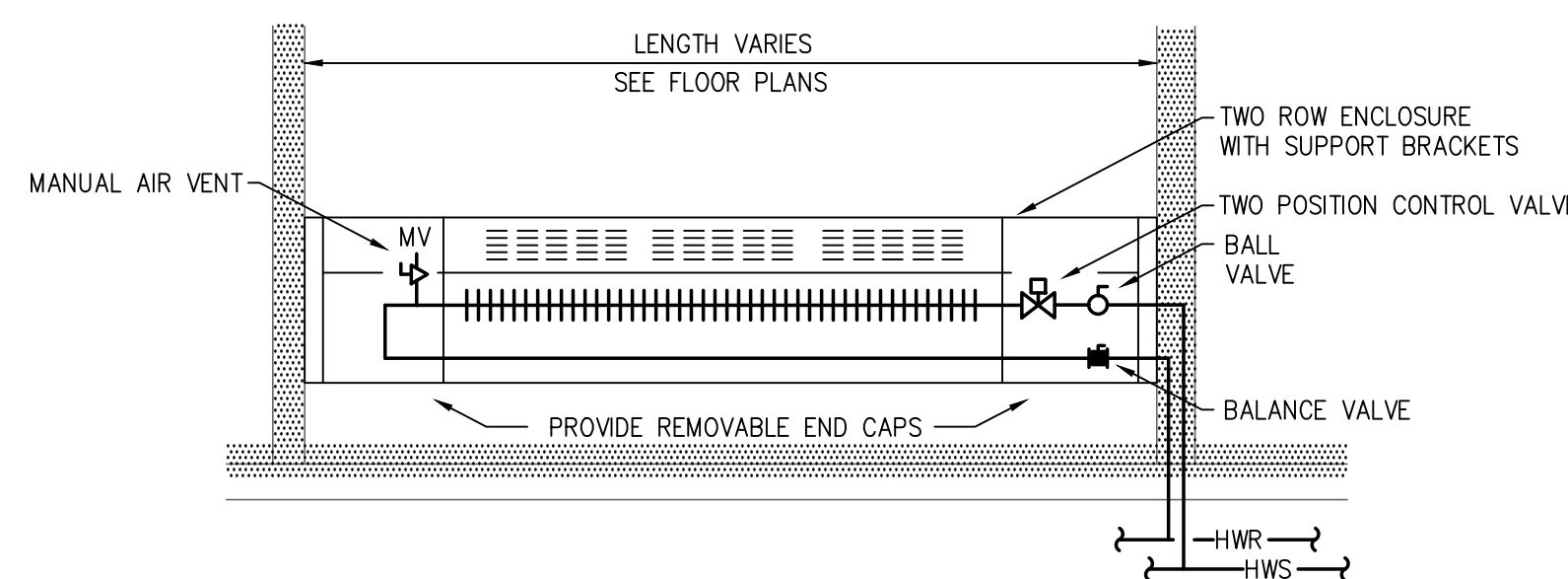


RUNOUT SCHEDULE	
GPM	PIPE & VALVE SIZE
0 - 3.5	3/4"
3.6 - 7	1"
7.1 - 12	1-1/4"
13 - 20	1-1/2"
20.1 - 40	2"

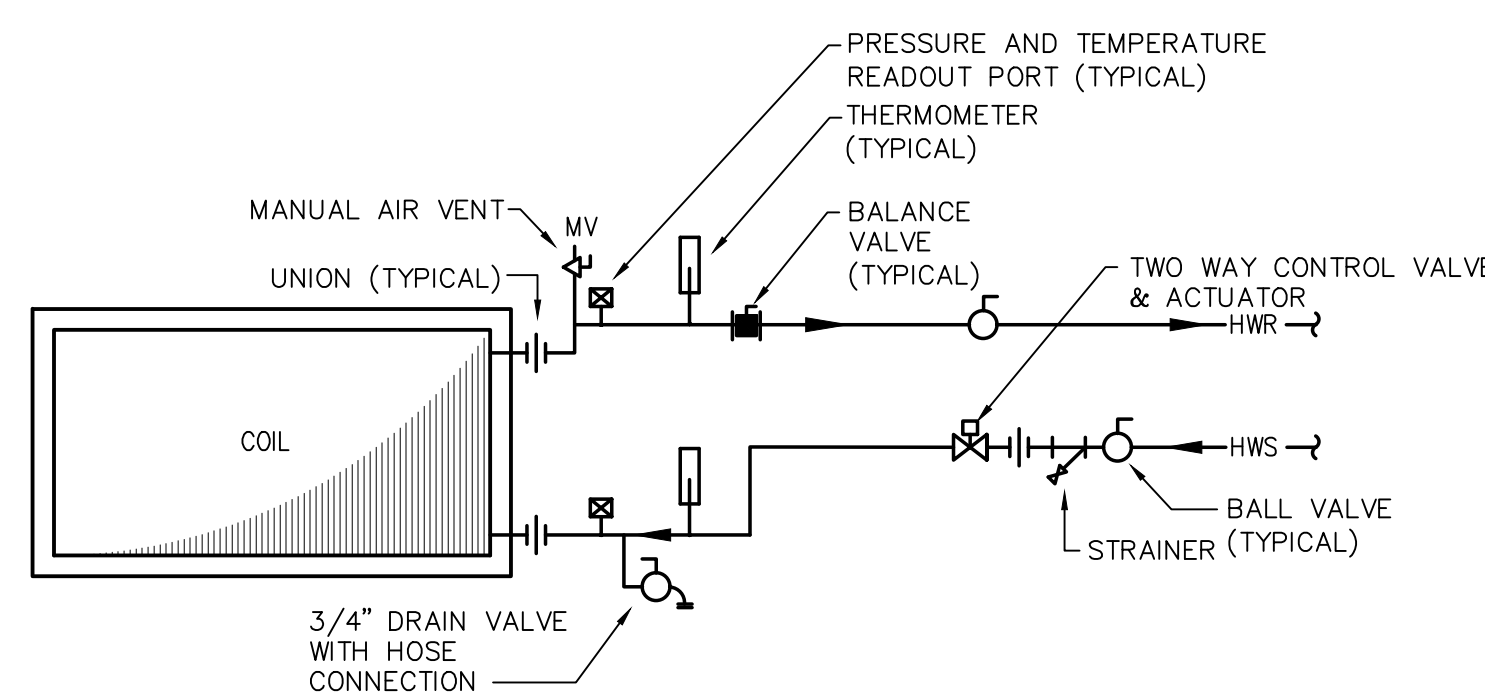


2 UNIT VENTILATOR DETAIL  
MES-M501 SCALE: NTS

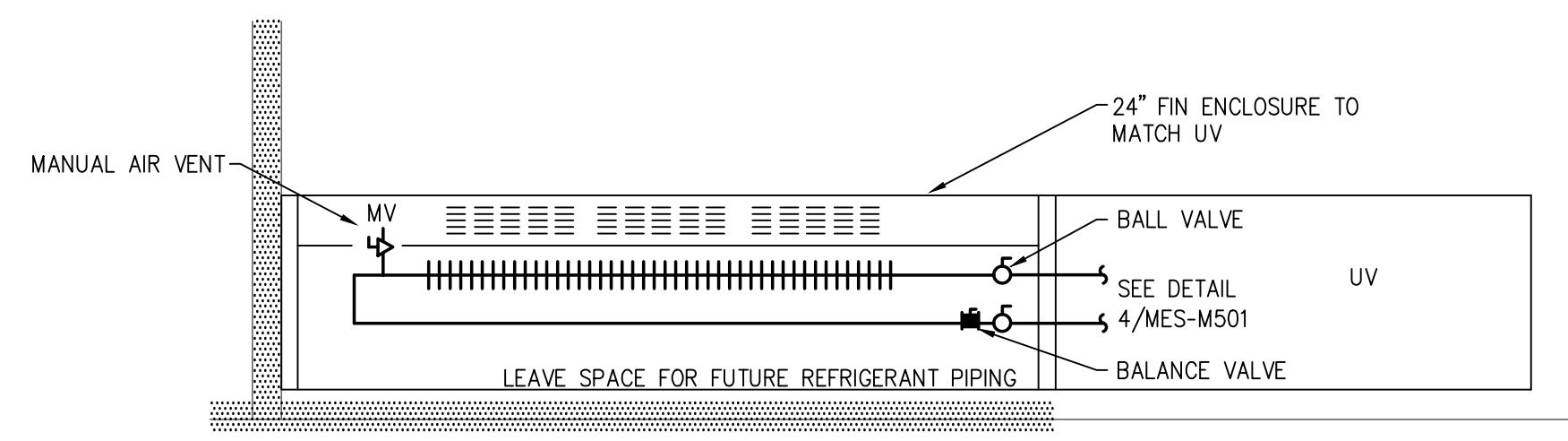
4 UNIT VENTILATOR PIPING DETAIL  
MES-M50 SCALE: NTS



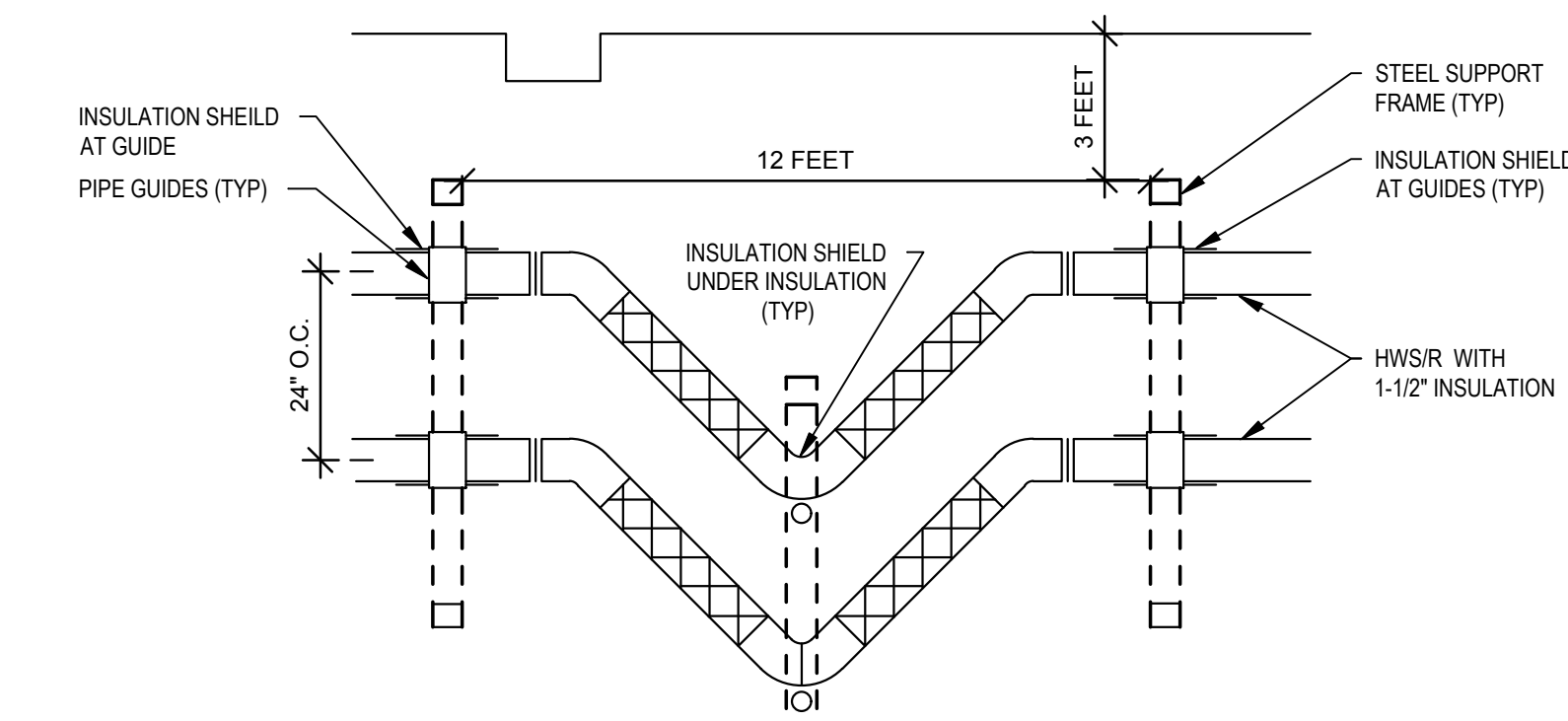
6 FINNED TUBE PIPING DETAIL  
MES-M50' SCALE: NTS



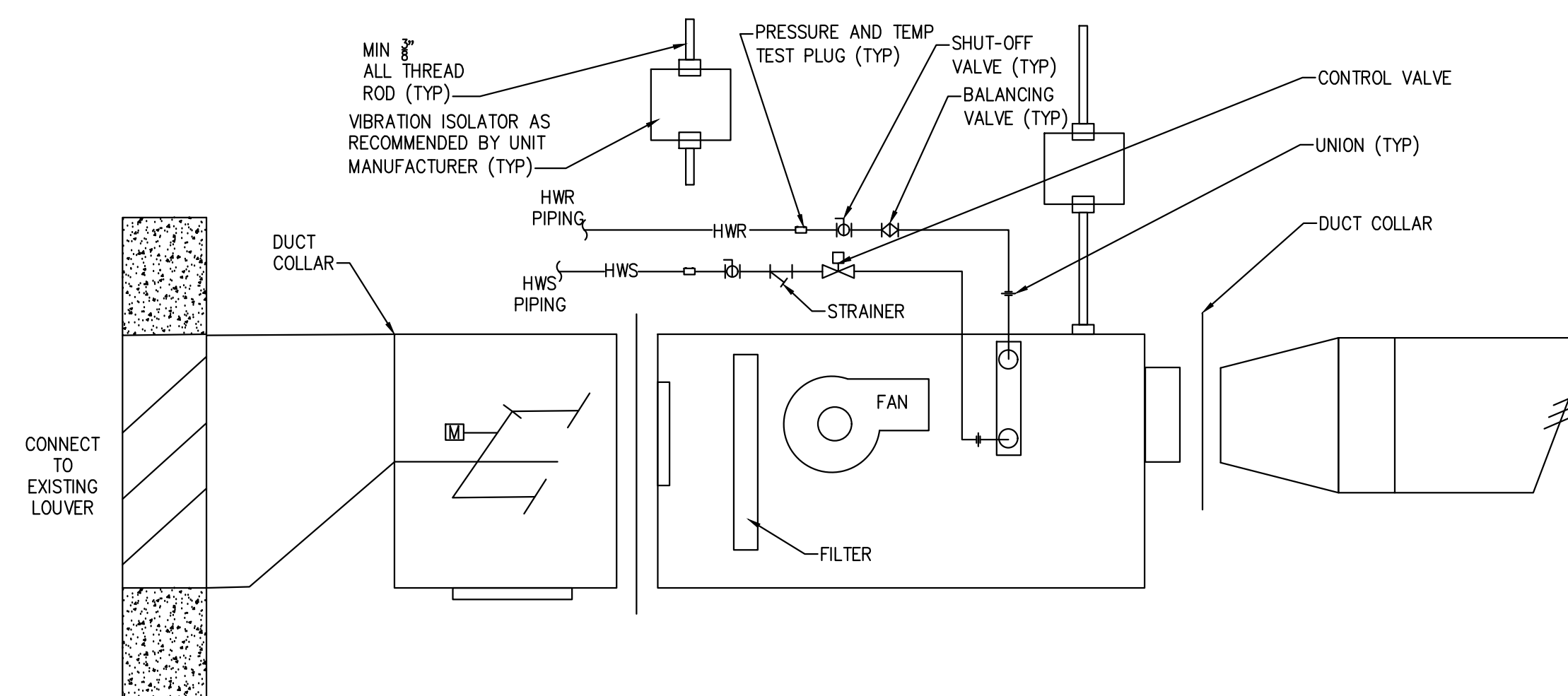
5 HOT WATER COIL DETAIL  
MES-M50 SCALE: NTS



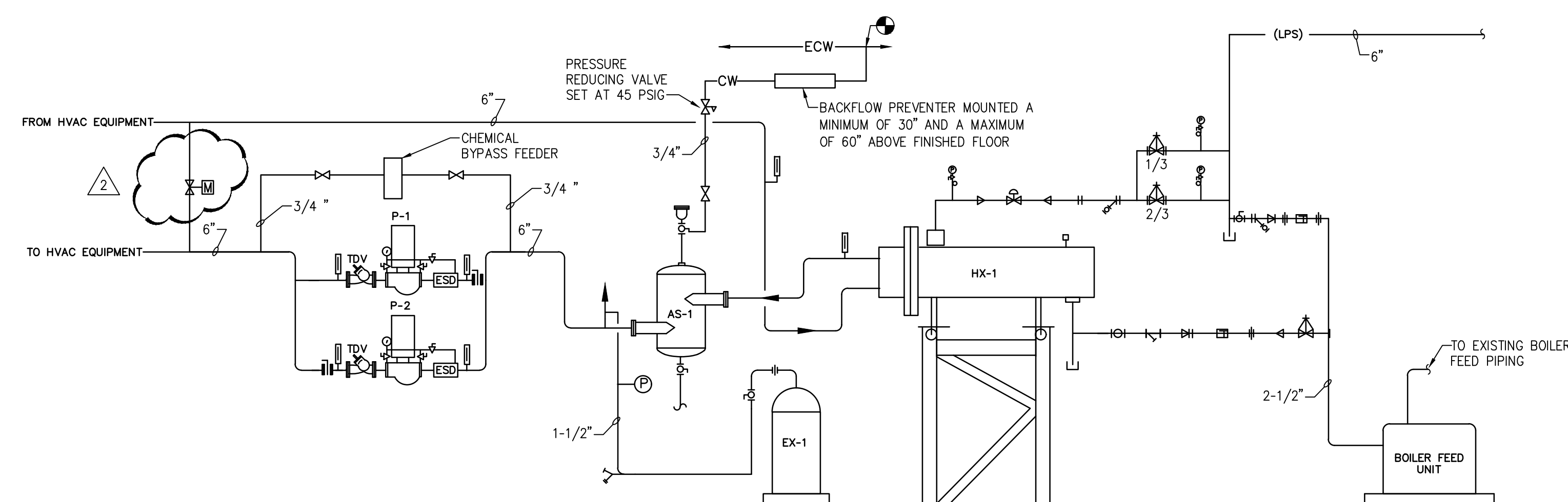
7 FINNED RADIATION WITH  
UNIT VENTILATOR PIPING DETAIL



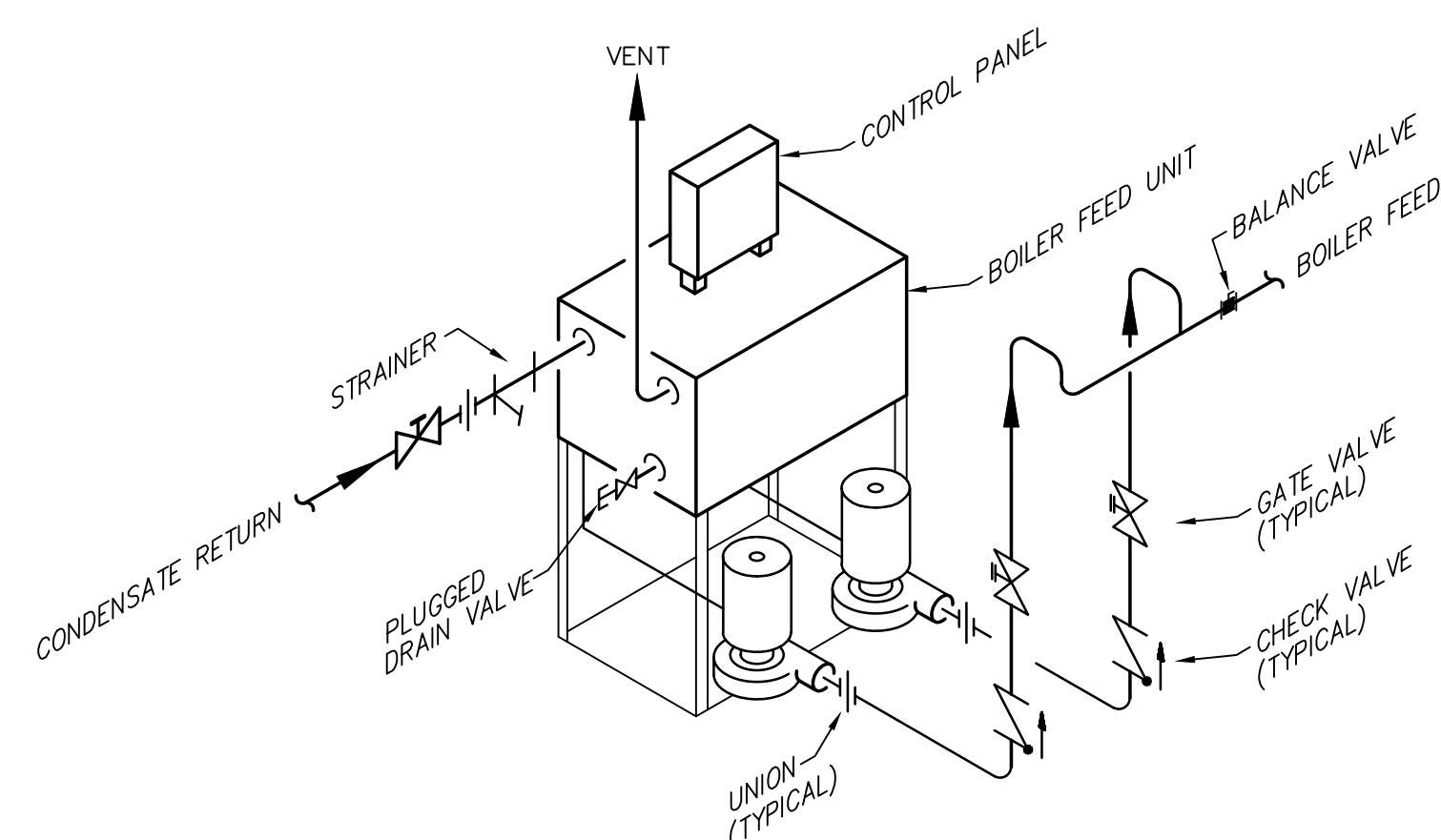
8 HWS & R PIPE EXPANSION LOOP  
MES-M501 SCALE: NTS



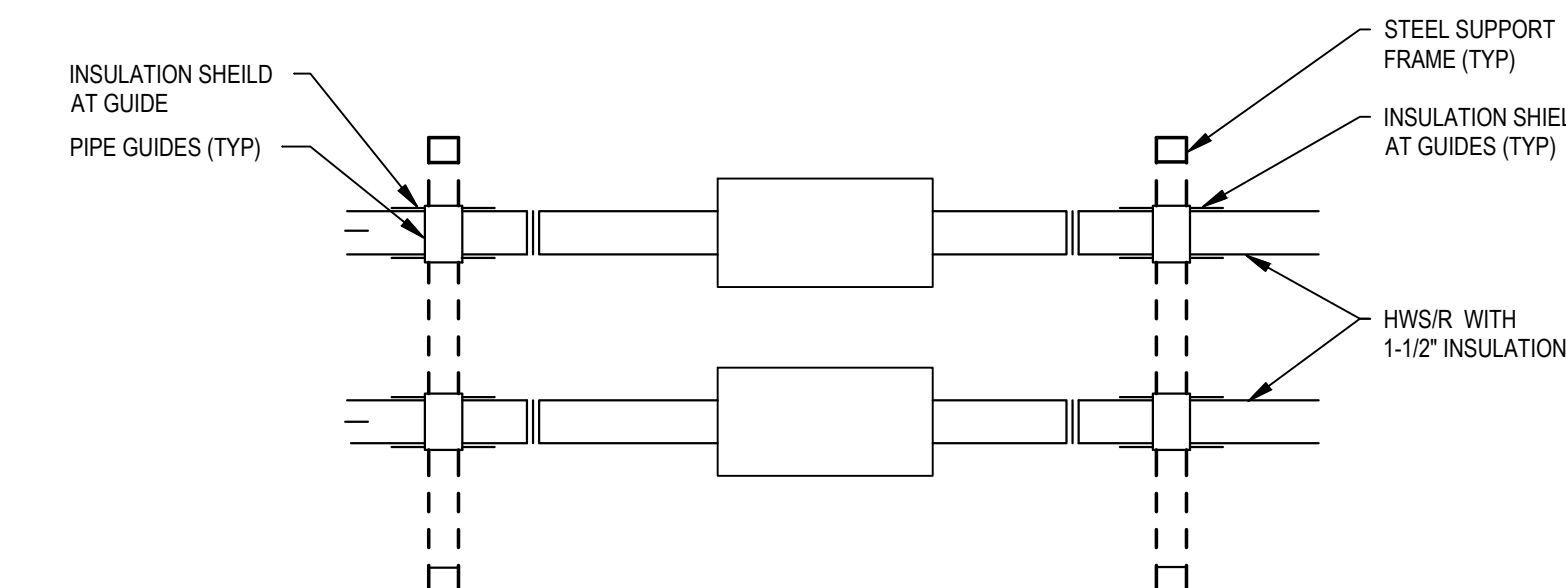
9 HVAC TWO PIPE FAN COIL UNIT HANGING DETAIL  
MES-M50' SCALE: NTS



10 STEAM TO HOT WATER HEAT EXCHANGER DETAIL  
WES-M507 SCALE: NTS



11 BOILER FEED UNIT DETAIL  
MES-M501 SCALE: NTS

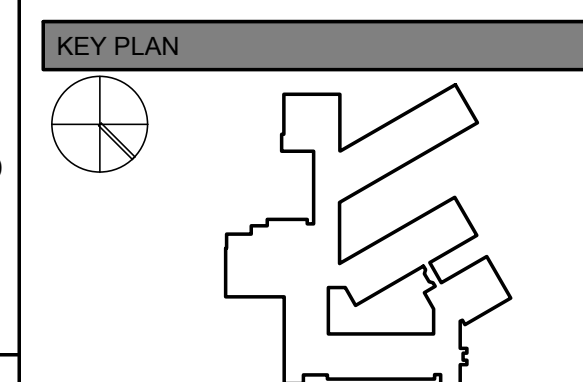


12 BELLOWS STYLE EXPANSION COMPENSATOR  
MES-M507 SCALE: NTS



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**ISSUED:** ISSUE FOR BID

**DATE:** MARCH 15, 2021

**SCALE:** As indicated

**SHEET NAME:**

HVAC DETAILS

**SHEET NUMBER:**  
**MES-M501**



