

DSM Independent Community School District			
PROJECT:	Morris & Hillis HVAC Upgrades	PROJECT NUMBER:	20-062 20-064
		DATE:	February 10, 2021

NOTE { THIS ADDENDUM HAS BEEN ISSUED TO MODIFY AND/OR INTERPRET THE BIDDING DOCUMENTS, INCLUDING THE DRAWINGS AND SPECIFICATIONS. UNLESS OTHERWISE INSTRUCTED. THE INFORMATION CONTAINED ON THE ADDENDUM SHALL TAKE PRECEDENCE OVER ANYTHING CONTRARY ON THE ORIGINAL BIDDING DOCUMENTS AND SHALL BE HEREINAFTER CONSIDERED AS A PARTY OF THE BIDDING DOCUMENTS.

SPECIFICATIONS

SECTION 23 0713 – DUCT INSULATION

1. Part 3.03 Schedules
 - A. Fiberglass Rigid Board
 - a. **REMOVE** Fiberglass Rigid Board for all exterior ducts.
 - B. **CLARIFICATION** all exterior ductwork shall be pre-insulated weatherproof exterior ductwork.
 - C. Fiberglass Flexible Duct Wrap
 - a. **REVISE** Supply Ducts (Morris RTU), 1-1/2" thickness
 - b. **REMOVE** Outside Air Intake Duct, 2"
 - D. Fiberglass Duct Liner
 - a. **ADD** Heat Pump supply ducts, 1/2" liner thickness to match existing.
 - b. **ADD** Supply Ducts (Hillis DOAS units), 1" thickness to match existing
 - E. **REVISE** Note C. to read, "Morris ductwork associated with DOAS units shall not be insulated beyond 20 ft of duct liner downstream of fans. The DOAS units shall supply room neutral air so insulation is not required. Hillis DOAS ductwork shall match existing conditions with lined supply ductwork as these units are capable of low temperature air."

SECTION 23 8147 – GROUND SOURCE HEAT PUMP

1. Part 2.01 Ground Source Heat Pump
 - A. **REMOVE** Item P.
 - B. **REMOVE** Item Q.

PLANS [MORRIS]

SHEET ME1.1 – MECHANICAL ELECTRICAL ROOF PLAN

1. **REVISE** Gas pipe routing on roof to drop down near existing electrical transformer. Refer to attached Morris Elementary supplemental drawing ME1.1R1. Maintain minimum 5 ft clearance from gas pressure regulator to transformer. Coordinate meter location with MidAmerican Energy.
2. **ADD** gas pressure regulator at DOAS-2 to reduce from 2 psig to 10 in. w.c. or as required for proper gas burner operation of equipment. Refer to attached Morris Elementary supplemental drawing ME1.1R1.

SHEET MD2.3 – MECHANICAL PIPING DEMOLITION PLAN – AREA C

1. Kitchen 139
 - A. **ADD** Note to read, "Remove existing interior gas meter and disconnect existing piping. Prepare piping to reconnection to new exterior gas meter."

SHEET M2.3 – MECHANICAL PIPING PLAN – AREA C

1. Kitchen 139
 - A. **ADD** Note to read, "Reconnect existing gas piping to new exterior gas meter. Provide isolation valve and gas pressure regulator outside. Refer to gas meter detail. Field verify interior gas pip"

SHEET M5.1 – MECHANICAL DETAILS

1. Gas Meter Detail
 - A. **REVISE** per attached supplemental Morris Elementary drawing M5.1R1.
2. Heat Pump Hose Kit Detail
 - A. **REVISE** per attached supplemental Morris Elementary drawing M5.1R2.

PLANS [HILLIS]

SHEET M5.1 – MECHANICAL DETAILS

1. Heat Pump Hose Kit Detail
 - A. **REVISE** per attached supplemental Hillis Elementary drawing M5.1R1.

VENDOR APPROVALS

SECTION 10 8200 – LOUVERED ROOFTOP EQUIPMENT SCREENS

1. All-Lite Manufacturing Model HJ-445
 - A. Product provided in the project must meet all specification requirements.

SECTION 23 2133 – HEAT PUMP HOSE KITS

1. Automatic Air Vents
 - A. Spriotherm

SECTION 23 2123 – HYDRONIC PUMPS

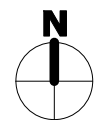
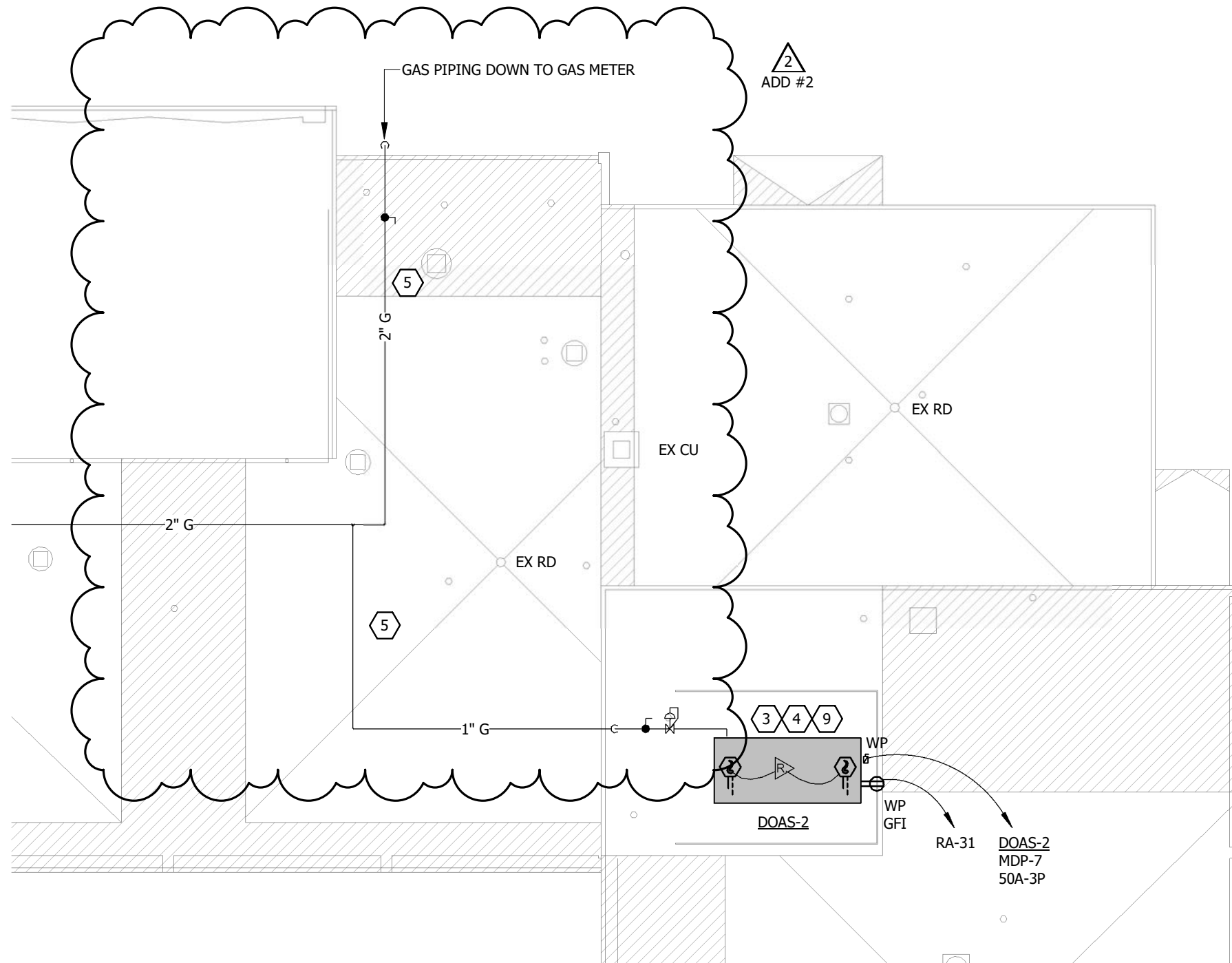
1. Base Mounted Pumps
 - A. Wilo

SECTION 23 7403 – HIGH FRACTION OUTSIDE AIR PACKAGED ROOFTOP UNITS

1. RTU-3
 - A. Lennox

ATTACHMENTS

ME1.1R1 (MORRIS); M5.1R1 (MORRIS); M5.1R2 (MORRIS); M5.1R1 (HILLIS)



1 MECHANICAL ELECTRICAL ROOF PLAN (ADDENDUM #2)
1/16" = 1'-0"

MORRIS ELEMENTARY HVAC UPGRADES

SHEET: ME1.1R1

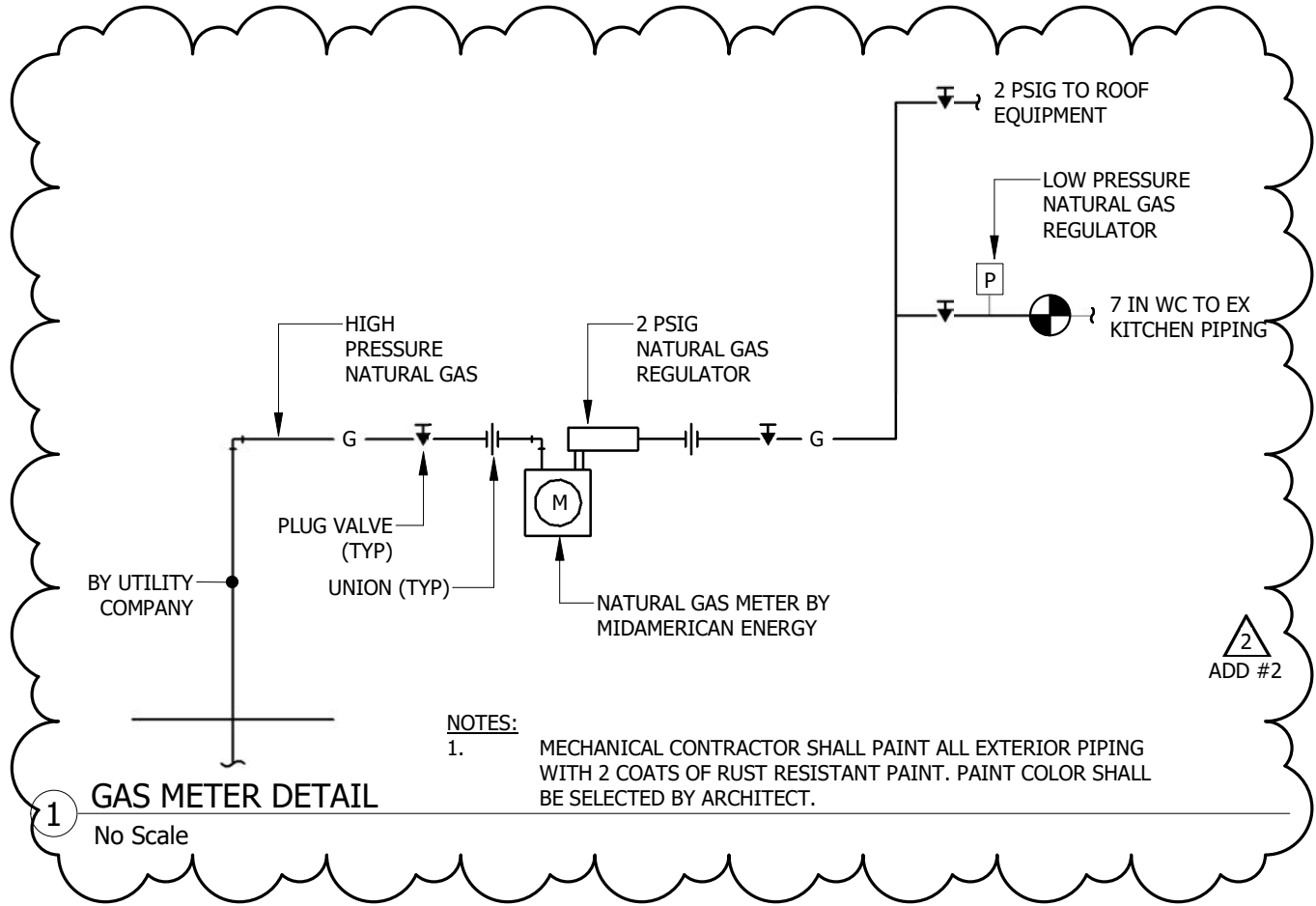
DATE: 2/10/2021 SCALE: 1/16" = 1'-0"

TITLE: MECHANICAL ELECTRICAL ROOF PLAN

M O D U S
M O D U S

WATERLOO | DES MOINES | IOWA CITY

214 EAST 4TH ST. 130 EAST 3RD ST. 118 EAST COLLEGE ST.
WATERLOO, IOWA DES MOINES, IOWA IOWA CITY, IOWA
(319)235-0650 (515)251-7280 (319)248-4600

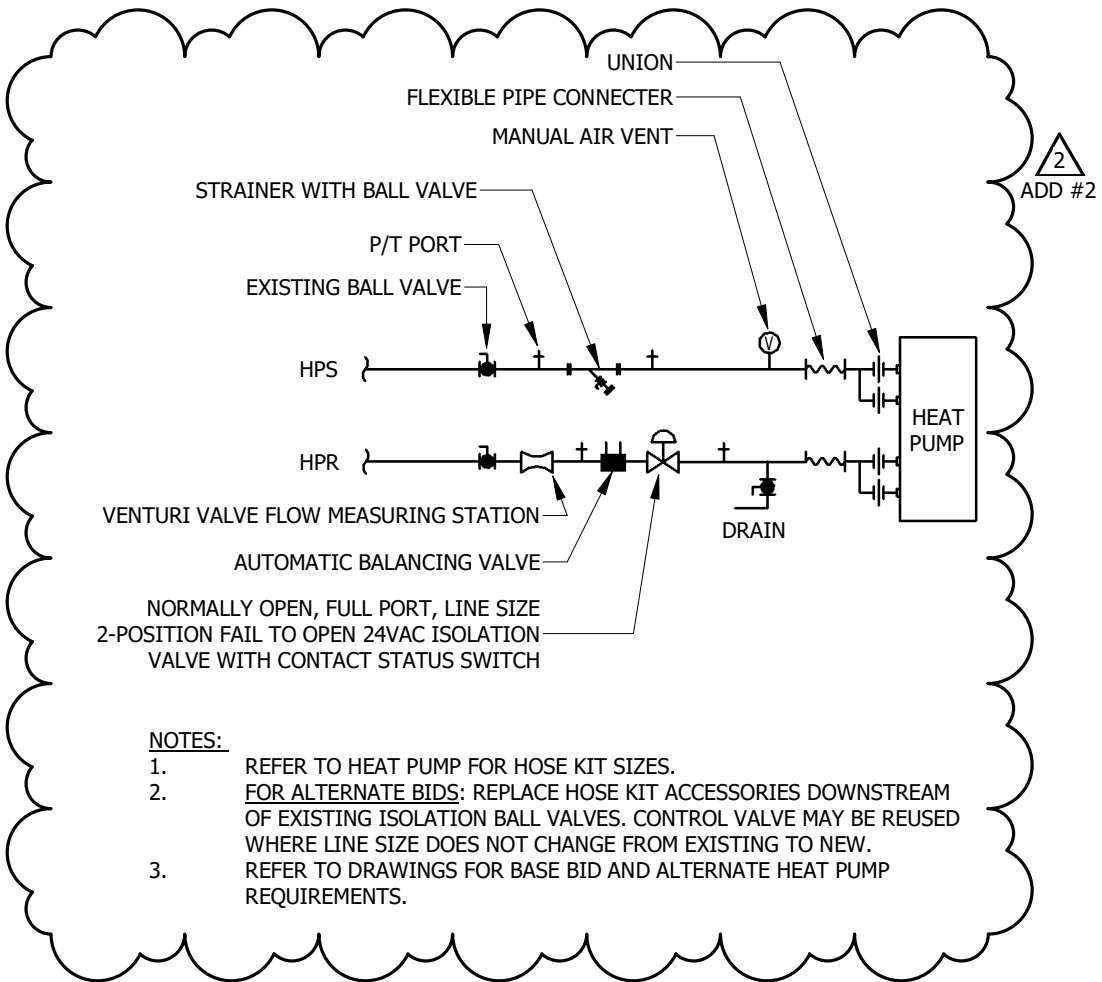


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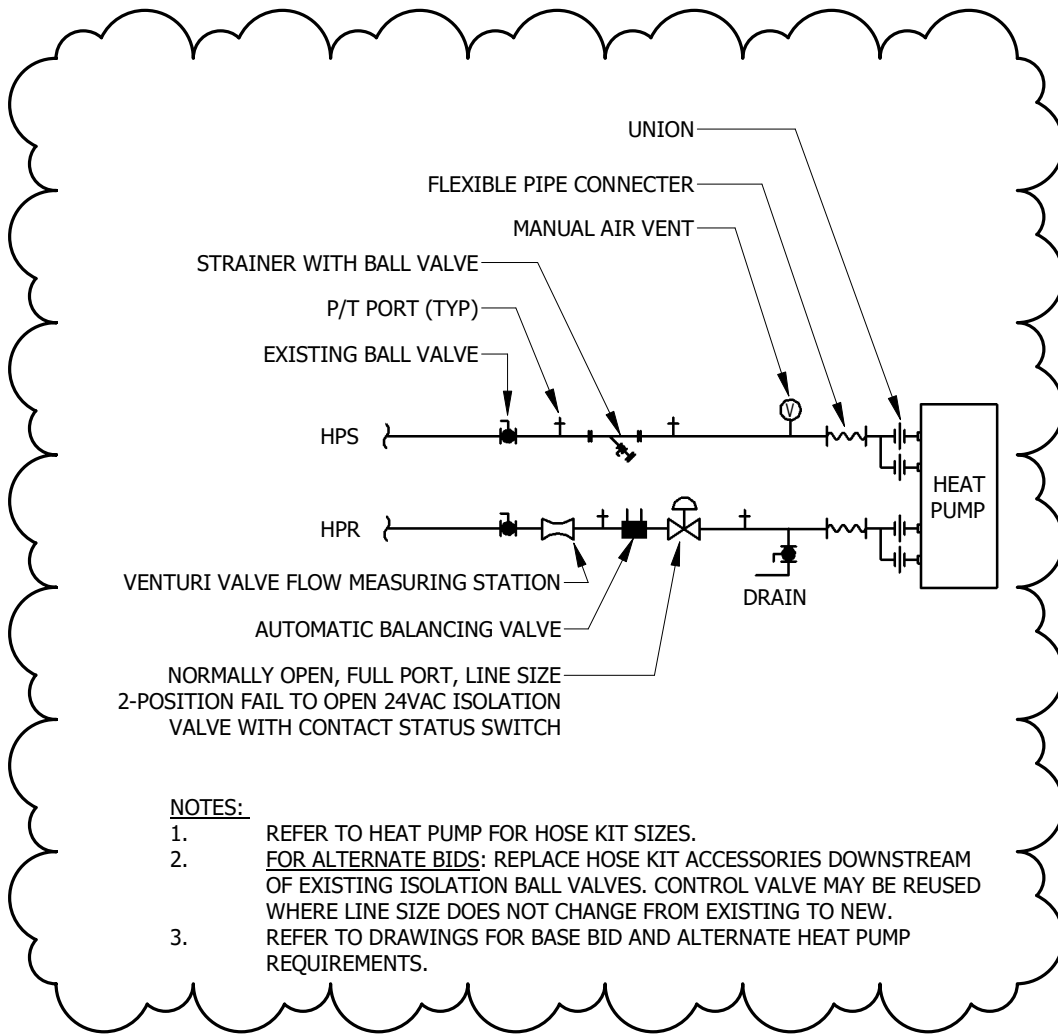
GAS METER DETAIL

No Scale

MORRIS ELEMENTARY HVAC UPGRADES			<p>WATERLOO DES MOINES IOWA CITY</p> <p>214 EAST 4TH ST. 130 EAST 3RD ST. 118 EAST COLLEGE ST.</p> <p>WATERLOO, IOWA DES MOINES, IOWA IOWA CITY, IOWA</p> <p>(319)235-0650 (515)251-7280 (319)248-4600</p>
SHEET: M5.1R1	DATE: 02/10/21	SCALE: NO SCALE	
TITLE: MECHANICAL DETAILS			



2 HEAT PUMP HOSE KIT DETAIL
No Scale



NOTES:

1. REFER TO HEAT PUMP FOR HOSE KIT SIZES.
2. FOR ALTERNATE BIDS: REPLACE HOSE KIT ACCESSORIES DOWNSTREAM OF EXISTING ISOLATION BALL VALVES. CONTROL VALVE MAY BE REUSED WHERE LINE SIZE DOES NOT CHANGE FROM EXISTING TO NEW.
3. REFER TO DRAWINGS FOR BASE BID AND ALTERNATE HEAT PUMP REQUIREMENTS.

11 HEAT PUMP HOSE KIT DETAIL
No Scale

HILLIS ELEMENTARY HVAC UPGRADES

SHEET: M5.1R1 | DATE: 02/10/2021 | SCALE: NO SCALE

TITLE: MECHANICAL DETAILS

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