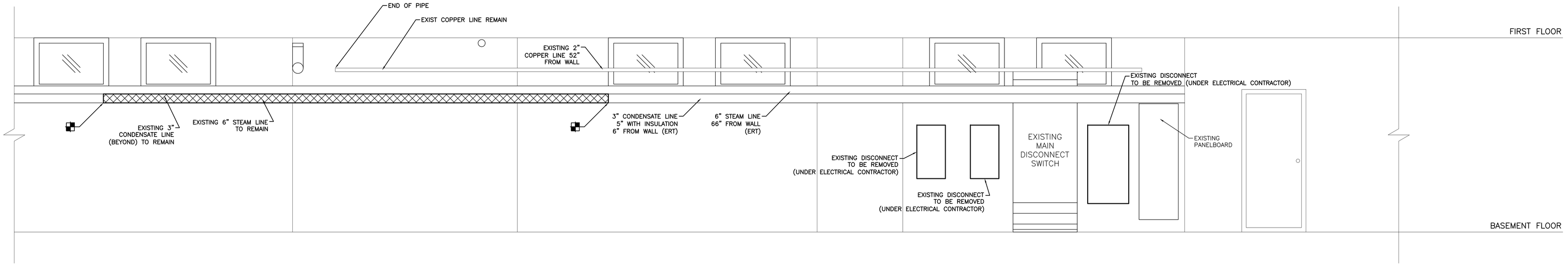
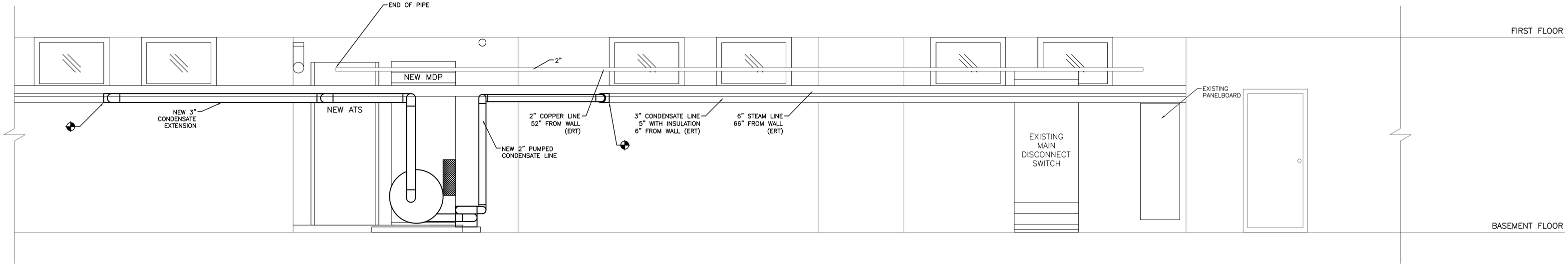


1 / 1–H2 DEMOLITION HVAC WORK–PROJECT SOUTH WALL ELEVATION BAGGAGE AND CLOTHING ROOM

SCALE: 1/2" = 1'–0"



2 / 1–H2 NEW HVAC WORK–PROJECT SOUTH WALL ELEVATION BAGGAGE AND CLOTHING ROOM

SCALE: 1/2" = 1'–0"

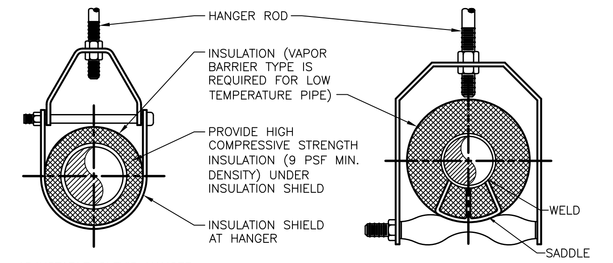
JOB: 528A6–11–613 BUILDING: BUILDING #24	POINT LEGEND	SYSTEM OUTPUTS		SYSTEM INPUTS		SYSTEM SOFTWARE/CONTROL		PAGE:
		BINARY	ANALOG	BINARY	ANALOG	ALARM PROCESSING	APPLICATION/FUNCTION	
SYSTEM: VAV AIR HANDLER SYSTEM COMPONENT:	POINT ID	ABBREVIATION	REMARKS					
PUMP #1 STARTER	BI–1							
PUMP #2 STARTER	BI–2							
RECEIVER HIGH LEVEL	BI–3							
PUMP #1 FAILURE	BI–4							
PUMP #2 FAILURE	BI–5							

NOTE:
CONTRACTOR SHALL PROVIDE ALL NECESSARY CONTROLLERS, RELAYS, GATEWAYS, SENSORS, POWER SUPPLIES, WIRING, TERMINATION, TESTING, RE–PROGRAMMING, AND ENGINEERING NECESSARY FOR A COMPLETE, FULLY FUNCTIONAL SYSTEM.

CONDENSATE TRANSFER PUMP SCHEDULE

TAG NO.	BASIS OF DESIGN MANUFACTURER	LOCATION	TOTAL SQUARE FOOTAGE EDR:	PUMP GPM:	PUMP DISCHARGE PRESSURE (PSI)	PUMP CONFIGURATION	MOTOR HP	RECEIVER SIZE	CONNECTIONS INLET	CONNECTIONS VENT.	VOLTAGE	NOTES
CP–1	BELL & GOSSETT	BAGGAGE AND CLOTHING	112,000	112	25 PSI	DUPLEX	3	30"x72"	4"	2–1/2"	208/3PH	204 GAL

NOTES:
1. PUMP SHALL BE 3600RPM, 2' NSPH CENTRIFUGAL PUMPS WITH ODP MOTOR.
2. PROVIDE FOLLOWING OPTIONS:
   A. INLET BASKET STRAINER
   B. NEMA 2 UL LISTED CONTROL PANEL COMPLETE WITH MAGNETIC STARTERS, DISCONNECT SWITCHES, "AUTO–OFF–HAND" SELECTOR SWITCH.
   C. ELECTRIC ALTERNATOR
   D. TRANSFORMER
   E. PILOT LIGHT FOR PUMP OPERATION
   F. AUDIBLE ALARM
   G. HIGH WATER ALARM
3. CONDENSATE RECEIVER SHALL BE HOT DIPPED GALVANIZED.
4. INSULATE TANK PER SPECIFICATIONS



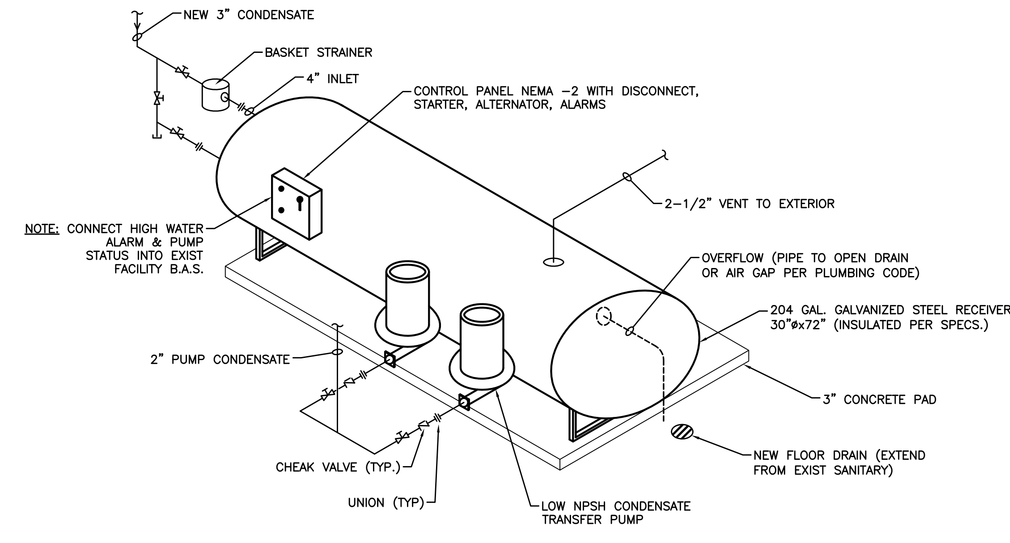
MAXIMUM PIPE/TUBING SUPPORT SPACING

NOM. SIZE IN. [mm]		THRU 3/4 THRU [20]	1 [25]	1 1/4 [32]	1 1/2 [40]	2 [50]	2 1/2 [65]	3 [75]	4 [100]	5 [125]	6 [150]	8 [200]	10 [250]	12 [300]	14 [350]	16 [400]	18 [450]	20 [500]	24 [600]
PIPE	FT.	7	7	7	9	10	11	12	14	16	17	19	22	23	25	27	28	30	32
	[mm]	[2100]	[2100]	[2100]	[2700]	[3000]	[3400]	[3700]	[4100]	[4900]	[5200]	[5800]	[6700]	[7000]	[7600]	[8200]	[8500]	[9100]	[9600]
TUBING	FT.	5 FT	6	7	8	8	9	10	12	13	14	16	–	–	–	–	–	–	–
	[mm]	[1500]	[1800]	[2100]	[2400]	[2400]	[2700]	[3000]	[3700]	[4000]	[4100]	[4900]	–	–	–	–	–	–	–

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.

3 / 1–H2 PIPE HANGERS

SCALE: NOT TO SCALE



4 / 1–H2 NEW CONDENSATE TRANSFER PUMP

SCALE: NOT TO SCALE

Revisions	Date

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Professional Seal: STATE OF NEW YORK · DAVID L. ENGLEHART · 090021 · LICENSED PROFESSIONAL ENGINEER

Drawing Title: HVAC ELEVATION, DETAIL AND SCHEDULE

Project Title: NEW GENERATOR BUILDING 24

Date: 03/22/2013

Project No: 528A6-11-613

Building No: 24 | Checked: L.J.M. | Drawn: D.J.P.

Location: BATH, NEW YORK

DRAWING NO.: 1-H2

Dwg. 7 Of 7

VA