



545.5 WESTCHESTER AVENUE
 RYE BROOK, NY 10573
 914-937-5596

RYE TOWN PARK BATH HOUSE
 RYE, NEW YORK, 10580

DATE	ISSUE TO	PR	TO
01.18.22	ISSUANCE FOR CDBG		--
08.02.22	ISSUANCE FOR PRICING		--
06.26.25	ISSUE FOR PERMIT		--
07.07.25	ISSUE FOR BIDS		--

NO	DATE	REVISIONS	BY

**HVAC
 PROPOSED FLOOR PLAN , PARTIAL
 ROOF PLAN & SECTION**

PROJECT NO.: 2201
 SCALE: AS ANOTED
 DRAWN BY:
 CHECKED BY:
 DATE: 12/13/21

H-100

HVAC LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY DUCT		THERMOMETER W/ PETCOCK
	RETURN/EXHAUST DUCT		AIR VENT W/ PETCOCK
	FLEXIBLE CONNECTION		THERMOSTAT
	EXPANSION JOINT		SWITCH FOR EXHAUST FAN
	EXISTING		EMERGENCY DISCONNECT
	CONNECT TO EXISTING		COMBINATION BALANCING SHUT-OFF VALVE
	PRESSURE GAUGE W/ PETCOCK		GATE VALVE

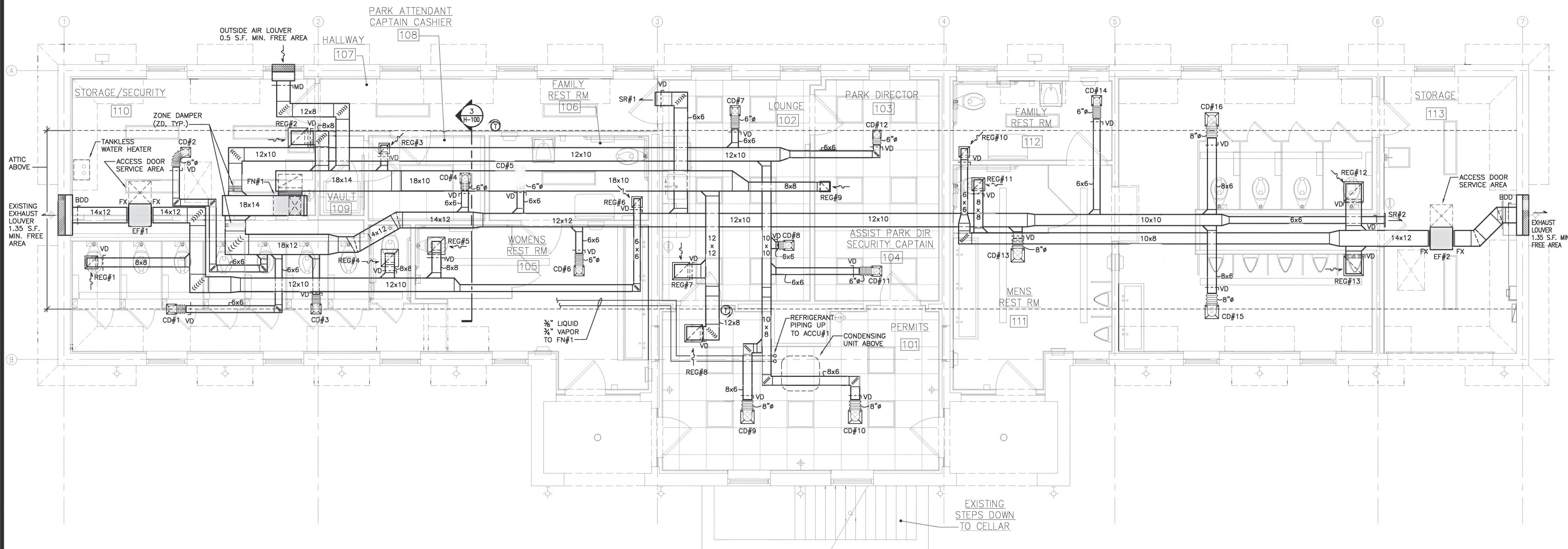
ABBREVIATIONS

A.C.	AIR CONDITIONING UNIT	G.P.H.	GALLONS PER HOUR
A.C.C.U.	AIR COOLED CONDENSING UNIT	G.P.M.	GALLONS PER MINUTE
A.D.	ACCESS DOOR	H.C.	HEATING CONTRACTOR
A.F.F.	ABOVE FINISHED FLOOR	L	REFRIGERANT LIQUID
A.F.G.	ABOVE FINISHED GRADE	M.D.	MOTORIZED DAMPER
A.T.C.	AUTOMATIC TEMPERATURE CONTROL	M.V.	MOTORIZED VALVE
B.D.D.	BACKDRAFT DAMPER	N.T.S.	NOT TO SCALE
C.D.	CEILING DIFFUSER	O.A.	OUTSIDE AIR
C.F.M.	CUBIC FEET PER MINUTE	Ø	DIAMETER
CND.	CONDENSATE (COOLING)	P.C.	PLUMBING CONTRACTOR
C.U.	CONDENSING UNIT	P.S.I.	POUNDS PER SQUARE INCH
DN	DOWN	R.A.	RETURN AIR
E.R.U.	ENRGY RECOVERY UNIT	REG.	RETURN/EXHAUST REGISTER
E.A.	EXHAUST AIR	R.U.	RELIEF UNIT
E.C.	ELECTRICAL CONTRACTOR	S	REFRIGERANT SUCTION
E.F.	EXHAUST FAN	S.A.	SUPPLY AIR
F.A.I.	FRESH AIR INTAKE	S.R.	SUPPLY REGISTER
FX	FLEXIBLE CONNECTION	T	THERMOSTAT
F.U.	FAN COIL UNIT	V.D.	VOLUME DAMPER
G.C.	GENERAL CONTRACTOR		

2 PARTIAL ROOF PLAN — HVAC
 H-100 SCALE: 1/4" = 1'-0" NORTH

3 SECTION — HVAC
 H-100 SCALE: 1/4" = 1'-0"

1 PROPOSED FLOOR PLAN — HVAC
 H-100 SCALE: 1/4" = 1'-0" NORTH
 BASE BID



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DATE	DATE	DATE	CBH
NO	DATE	REVISIONS	BY

HVAC PIPING SCHEMATIC, SCHEDULES & DETAILS

PROJECT NO.:	2201
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SCALE: AS ANOTED

DRAWN BY:

CHECKED BY:	
DATE:	12/13/21

H-101

[illegible]

NOTE: PROVIDE WITH TIME DELAY COMPRESSOR SHORT CYCLE PROTECTION, COMPRESSOR START ASSIST CAPACITOR RELAY TYPE, THERMOSTATIC EXPANSION VALVE, LOW & HIGH PRESSURE SWITCHES AND FILTER DRYER, LOW AMBIENT AND WIFI PROGRAMMABLE THERMOSTATS.

[illegible]

NOTE: - PROVIDE WITH PERFORMANCE CONTROLS, ECM VARIABLE SPEED BLOWER, DX COOLING COIL, FILTER MEDIA CABINET, CONDENSATE NEUTRALIZER, CONCENTRIC TERMINATION, CARRIER MULTI ZONE SYSTEM, WIFI THERMOSTAT.

SUPPLY REQ. No.	MFR.	MODEL	CFM.	SIZE	NOTES
SR#1	PRICE	RGC	100	12x4	
SR#2	↓	↓	75	12x4	

NOTE: EXTRUDED ALUMINUM, REVERSIBLE CORE SIDE WALL SUPPLY REGISTER WITH ALUMINUM DAMPER
1" FLAT BORDER AND DIRECTIONAL VANES. PROVIDE CLEAR ANODIZED FINISH.

EXHAUST FAN No.	MFR.	MODEL	C.F.M.	S.P.	H.P.	WALL OR BASE OPG.	CURB TYPE	CONTROLS	NOTES
EF#1	LOREN COOK	120SQ10D	750	0.375	1/6	—	—	TIMECLOCK	
EF#2	LOREN COOK	165SQ10D	1,050	0.375	1/6	—	—	↓	

NOTE: PROVIDE FANS WITH BACKDRAFT DAMPERS. ADJUSTABLE SPEED CONTROL FOR BALANCING

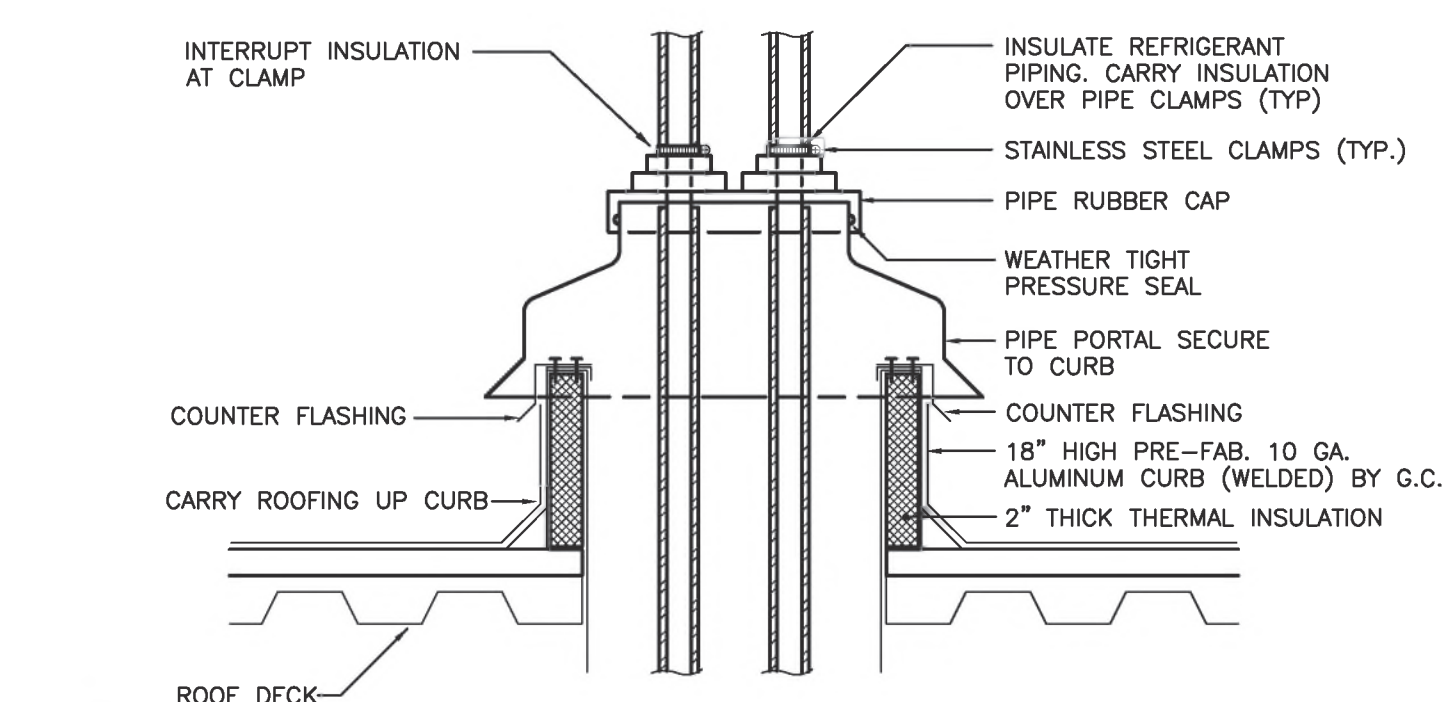
CEILING DIFF. No.	MFR.	MODEL	CFM.	SIZE	NOTES
CD#1	PRICE	AMDE	75	6x6	
CD#2	I	I	75	6x6	

CD#3				75	6x6	
CD#4				50	6x6	
CD#5				50	6x6	
CD#6				75	6x6	
CD#7				75	6x6	
CD#8				75	6x6	
CD#9				100	9x9	
CD#10				100	9x9	
CD#11				50	6x6	
CD#12				50	6x6	
CD#13				100	9x9	
CD#14				50	6x6	
CD#15				100	9x9	
CD#16		↓	↓	100	9x9	
NOTE: DIFFUSERS TO BE EXTRUDED ALUMINUM CONSTRUCTION FOR SURFACE MOUNTING PROVIDE WITH VOLUME DAMPERS.						

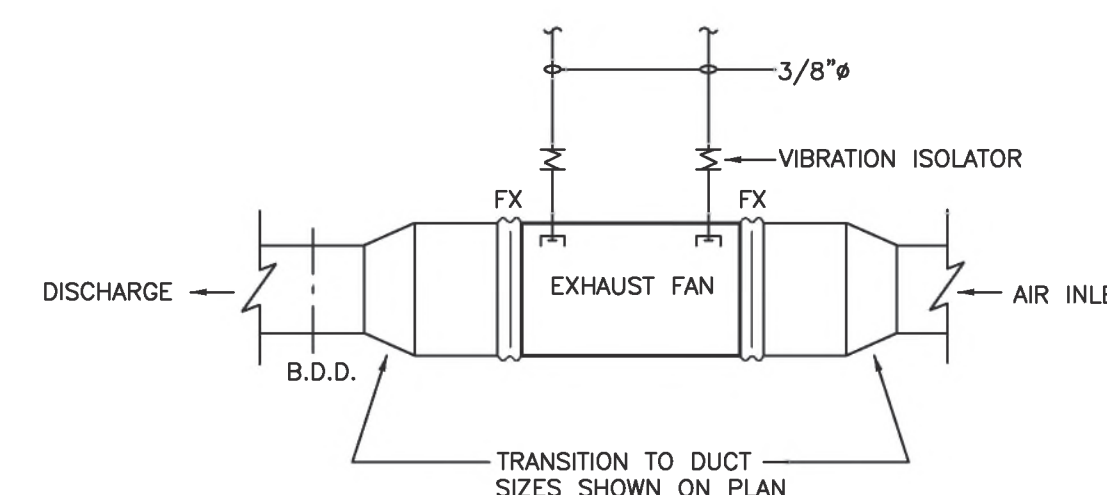
RETURN EXH. No.	MFR.	MODEL	CFM.	SIZE	NOTES
REG#1	PRICE	635 DAL	225	12x12	
REG#2			450	16x16	

REG#3			50	8x8	
REG#4			225	12x12	
REG#5			225	12x12	
REG#6			75	8x8	
REG#7			375	14x14	
REG#8			375	14x14	
REG#9			150	10x10	
REG#10			75	8x8	
REG#11			225	12x12	
REG#12			375	14x14	
REG#13	↓	↓	375	14x14	

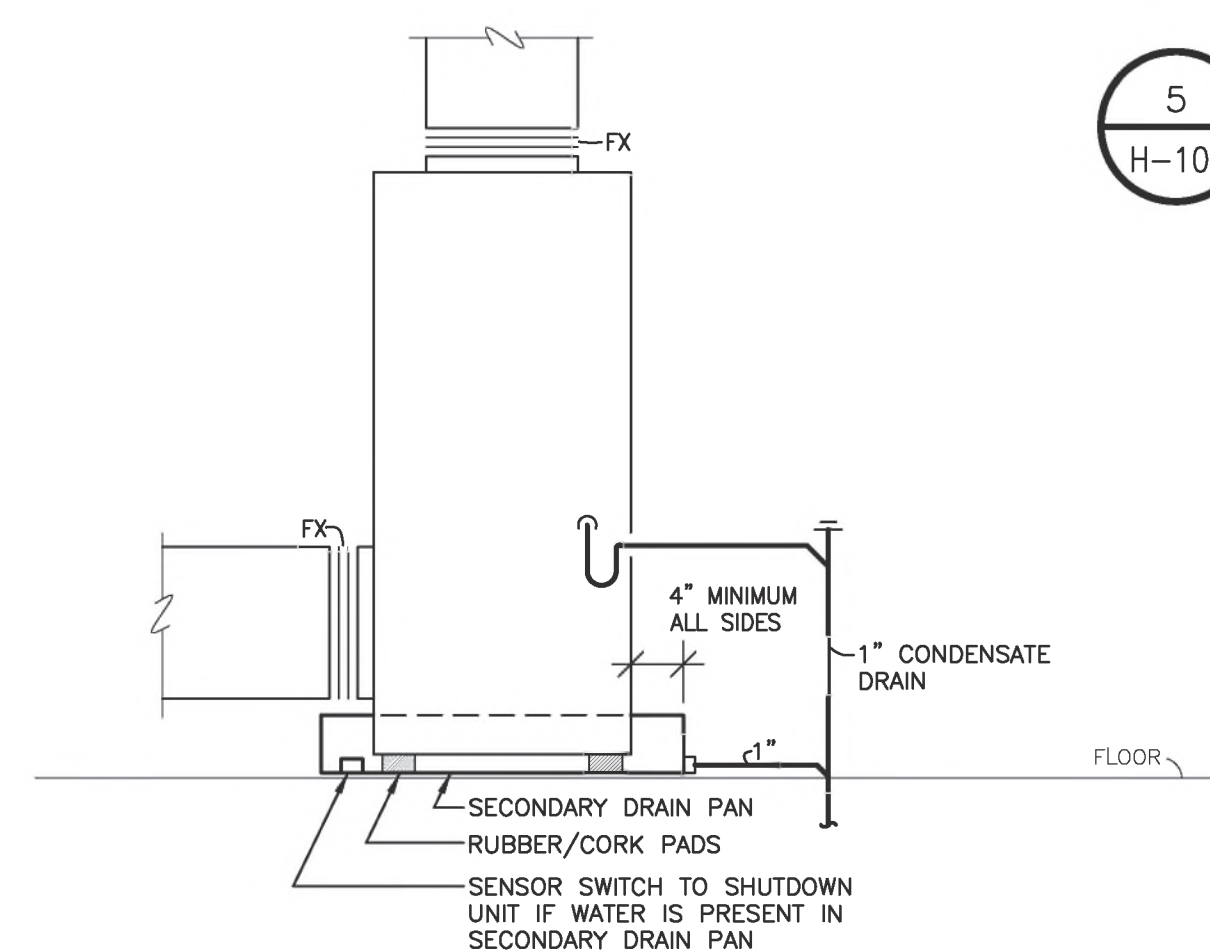
NOTE: EXTRUDED ALUMINUM LOUVER TYPE, 45° FIXED BLADES, 1/2" SPACING, BLADES PARALLEL TO LONG DIMENSION, PROVIDE CLEAR ANODIZED FINISH.



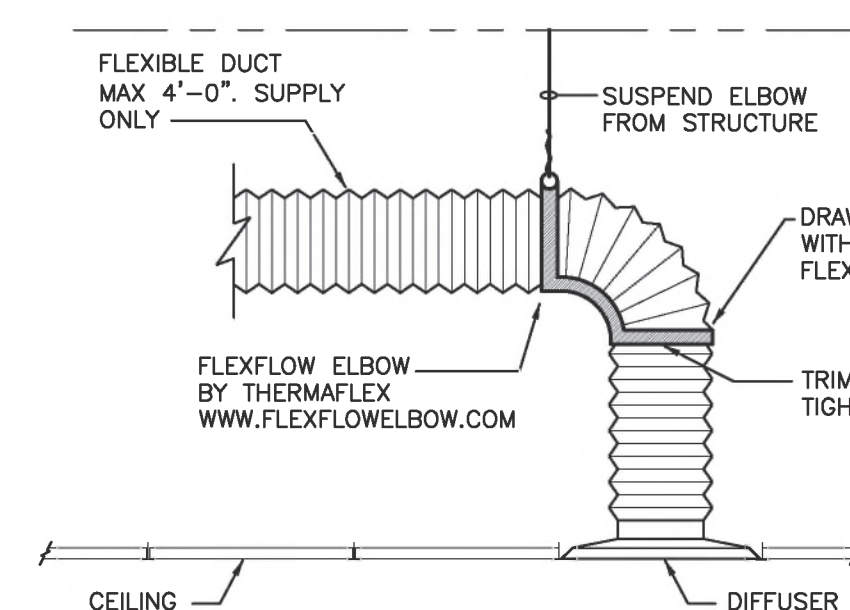
5 REFRIG. PIPING THROUGH ROOF DETAIL
H-101 NOT TO SCALE



4 IN-LINE EXHAUST FAN
H-101 NOT TO SCALE



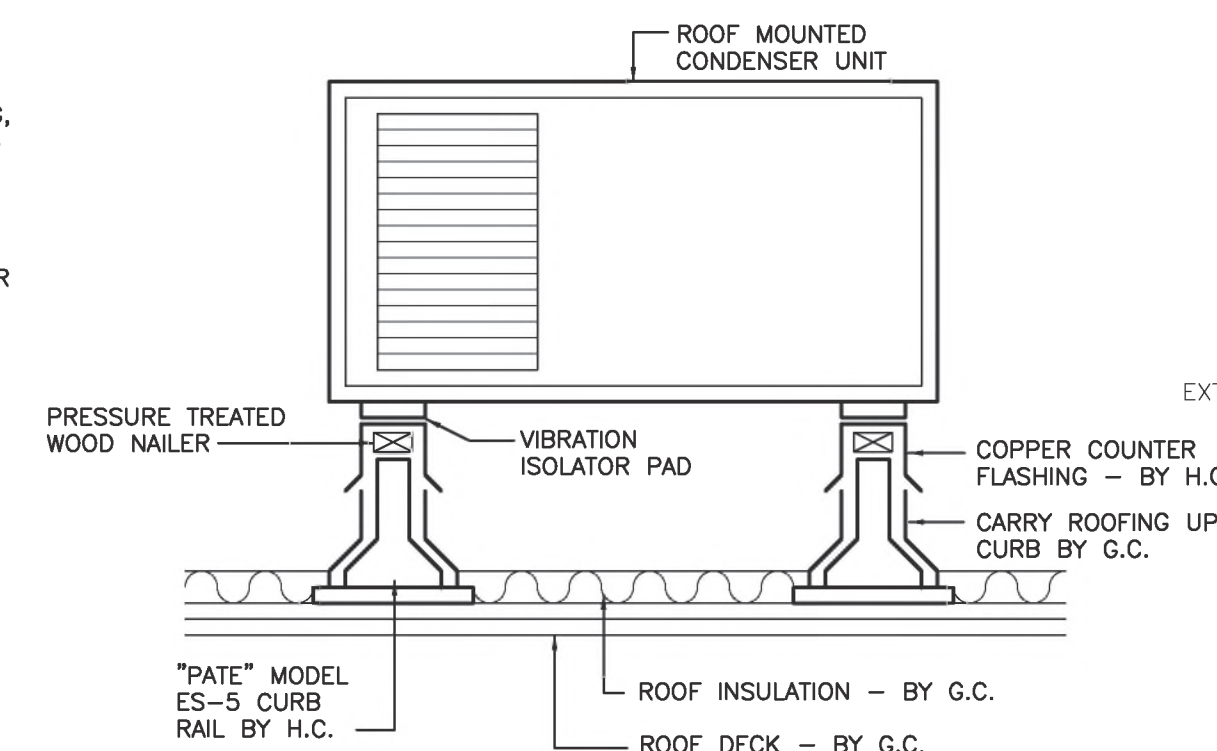
6 SECONDARY DRAIN PAN DETAIL
H-101 NOT TO SCALE



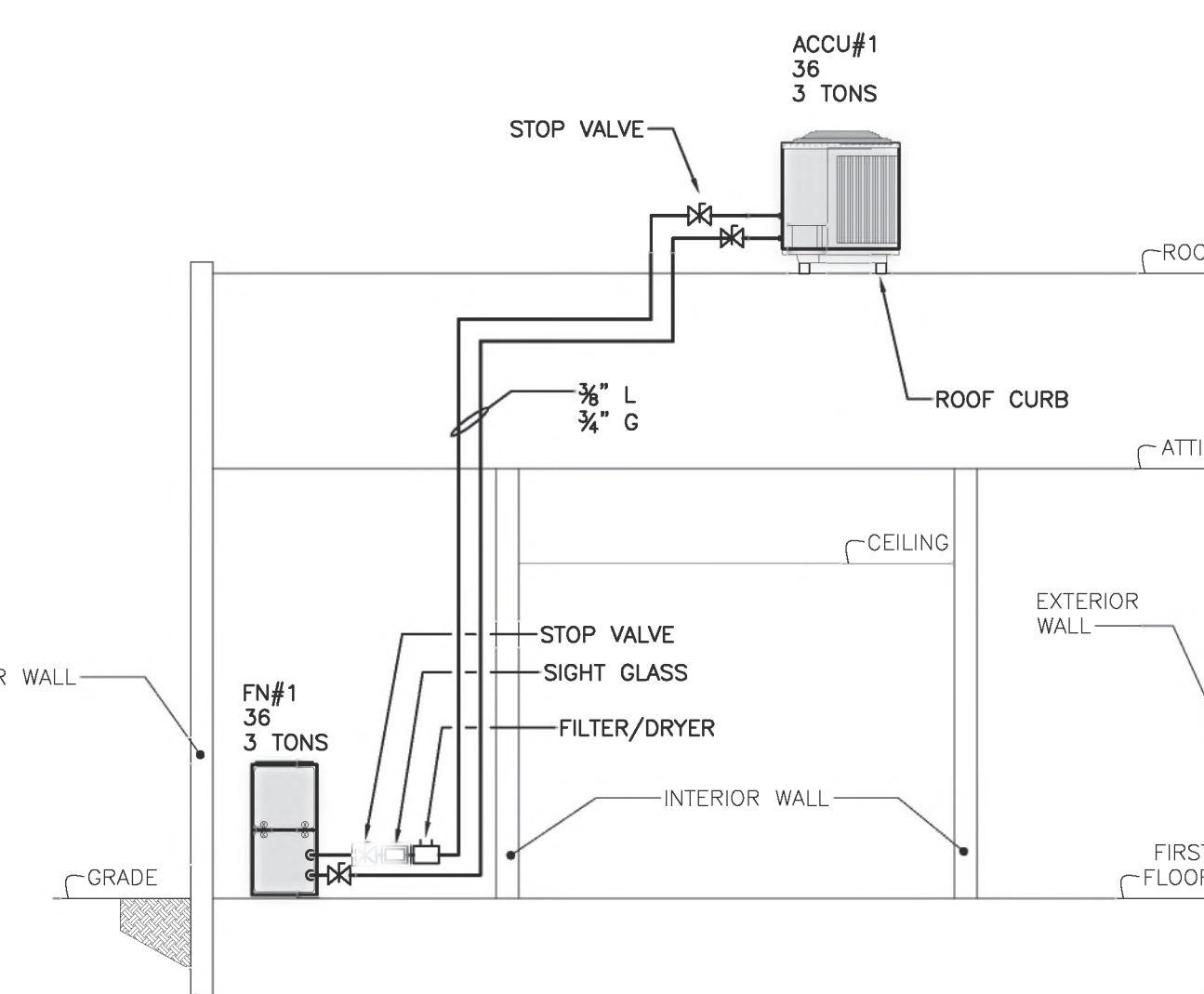
NOTE: INSTALL FLEXIBLE DUCTWORK SUPPORTS
AT ALL ROUND NECK OUTLETS

FLEXIBLE DUCT
CONNECTION TO AIR OUTLET

3
H-101 NOT TO SCALE



2 TYPICAL CURB DETAIL
H-101 NOT TO SCALE



1 PIPING SCHEMATIC—BASE BID
H-101 NOT TO SCALE



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NO	DATE	REVISIONS	BY

HVAC - ALTERNATE #1
PROPOSED FLOOR PLAN, SCHEDULES,
DETAIL & SCHEMATIC - ALT#1

PROJECT NO.:	2201
SCALE:	AS ANOTED
DRAWN BY:	
CHECKED BY:	
DATE:	12/13/21

H-102

CEILING DIFFUSER SCHEDULE (ALT#1)

CEILING DIFF. No.	MFR.	MODEL	CFM.	SIZE	NOTES
CD#1	PRICE	AMDE	50	6x6	
CD#2			50	6x6	
CD#3			25	6x6	
CD#4			75	6x6	
CD#5			75	6x6	
CD#6			50	6x6	
CD#7			75	6x6	
CD#8			50	6x6	
CD#9			125	9x9	
CD#10			125	9x9	
CD#11			75	6x6	
CD#12			100	6x6	

NOTE: DIFFUSERS TO BE EXTRUDED ALUMINUM CONSTRUCTION FOR SURFACE MOUNTING.
PROVIDE WITH VOLUME DAMPERS

RETURN EXHAUST REGISTER SCHEDULE (ALT#1)

RETURN EXH. No.	MFR.	MODEL	CFM.	SIZE	NOTES
REG#1	PRICE	635 DAL	225	12x12	
REG#2			225	12x12	
REG#3			225	12x12	
REG#4			75	8x8	
REG#5			350	14x14	
REG#6			375	14x14	
REG#7			100	8x8	
REG#8			75	8x8	
REG#9			225	12x12	
REG#10			375	14x14	
REG#11			375	14x14	

NOTE: EXTRUDED ALUMINUM LOUVER TYPE, 45° FIXED BLADES, 1/2" SPACING,
BLADES PARALLEL TO LONG DIMENSION, PROVIDE CLEAR ANODIZED FINISH.

HEAT PUMP UNIT SCHEDULE (ALT.#1)

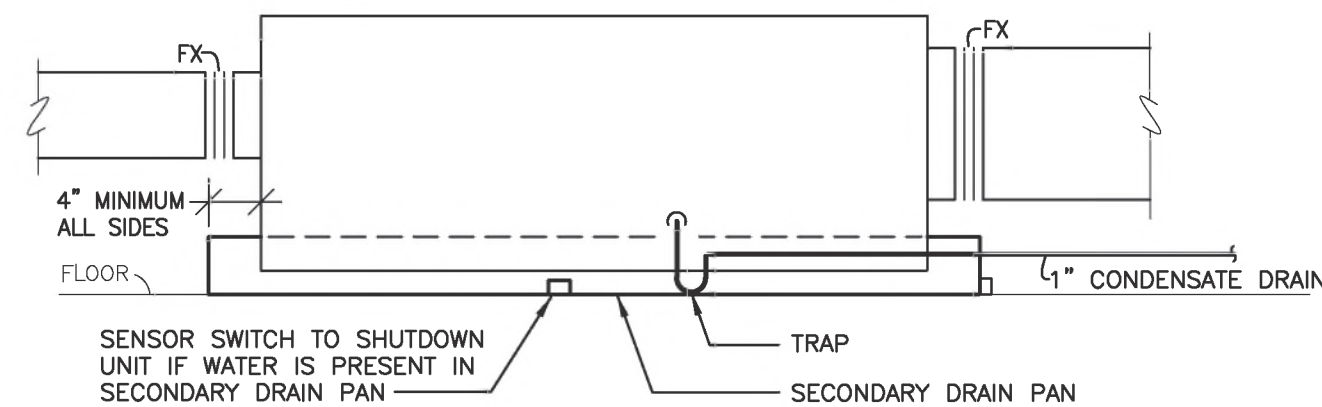
HEAT PUMP No.	MFR.	MODEL	EER2/COP17	CAPACITY (MBH) COOLING/HEATING(17F)	SIZE (HxWxD)	REFRIG. PIPING LIQUID/GAS	WEIGHT (LBS)	ELECTRICAL 208/1Ø MCA/MOCP (A)	NOTES
HP#1	MITSUBISHI	PUZ-HA30NKA	13/2.2	30/32	52-1/10"x41-5/16"x14-3/16"	3/8" / 5/8"	261	24 / 40	

NOTE:

SPLIT SYSTEM INDOOR UNIT SCHEDULE (ALT.#1)

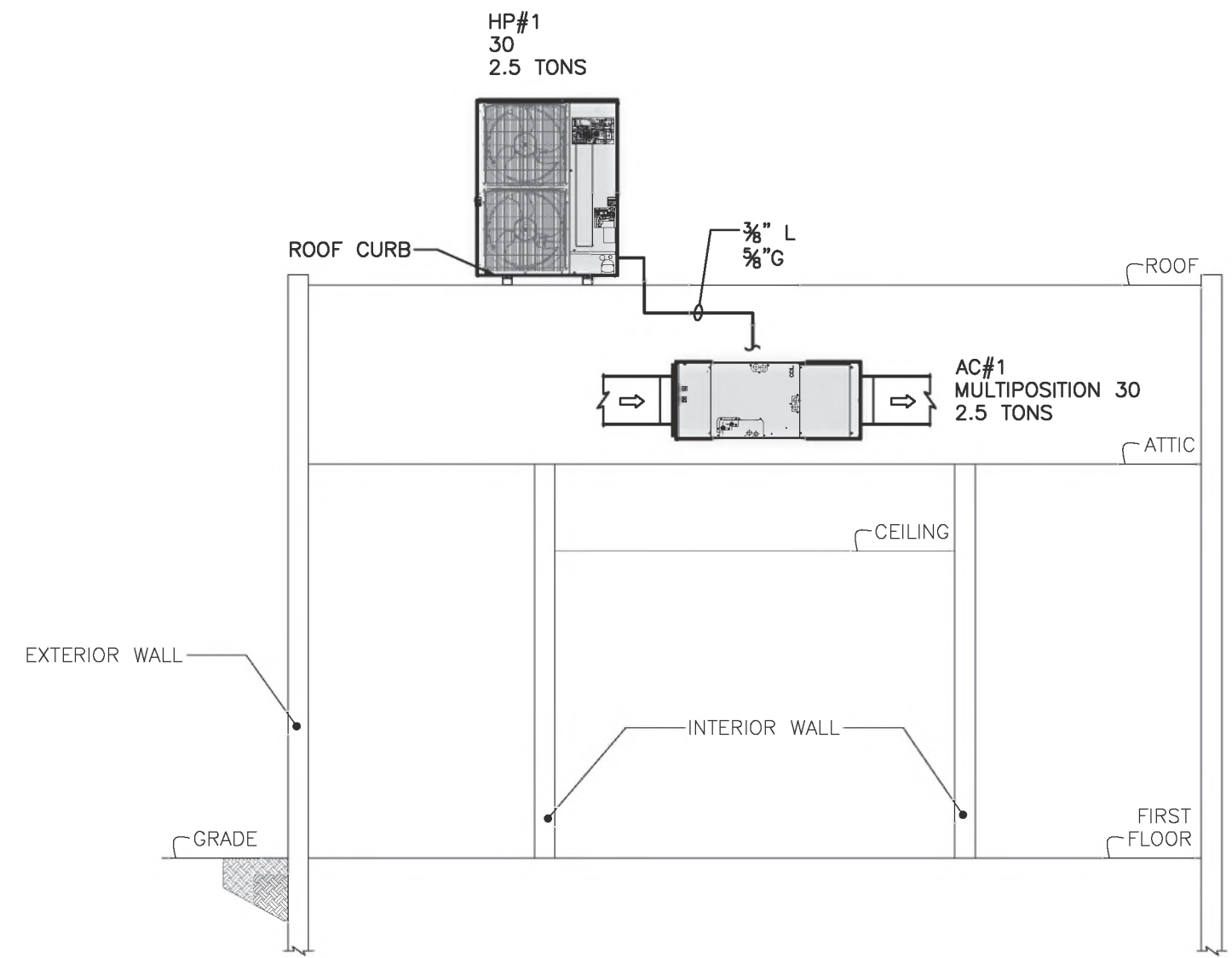
AC No.	MFR.	MODEL	SIZE	HEAT PUMP	TYPE	CAPACITY (MBH) COOLING/HEATING	SIZE (HxWxD)	REFRIG. PIPING LIQUID/GAS	ELECTRICAL 208/1Ø MCA/MOCP (A)	CFM	NOTES
AC#1	MITSUBISHI	PVA-A30AA7	30	HP#1	MULTI-POSITION UNIT	30/36	54-1/4"x21"x21-5/8"	3/8" / 5/8"	4.13 / 15	875	

NOTE: PROVIDE PROGRAMMABLE THERMOSTAT

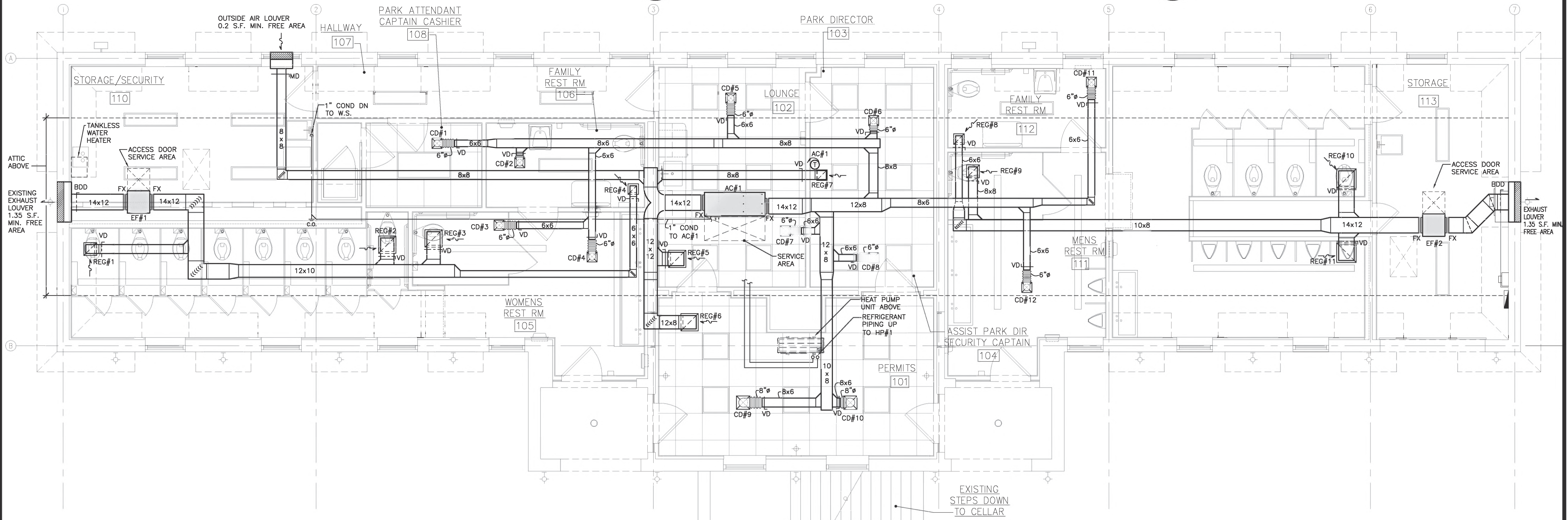


HORIZONTAL UNIT

3 SECONDARY DRAIN PAN DETAIL
H-102 NOT TO SCALE



2 PIPING SCHEMATIC- ALT. #1
H-102 NOT TO SCALE



1 PROPOSED FLOOR PLAN - HVAC
H-102 SCALE: 1/4" = 1'-0" NORTH
ALTERNATE #1