

HVAC LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY DUCT		DUCT SMOKE DETECTOR
	RETURN/EXHAUST DUCT		THERMOSTAT
	EXISTING		THERMOSTAT FOR BASE BOARD RADIATION
	REMOVAL		THERMOSTAT FOR A/C UNIT
	NEW		THERMOSTAT FOR CABINET HEATER
	CONNECT TO EXISTING		DAMPER

ABBREVIATIONS			
A.	AMPS	E.F.	EXHAUST FAN
A.C.	AIR CONDITIONING UNIT	EX.	EXISTING
A.C.C.U.	AIR COOLED CONDENSING UNIT	F.A.I.	FRESH AIR INTAKE
A.D.	ACCESS DOOR	FX	FLEXIBLE CONNECTION
AL	ALUMINUM	G. GND	GROUND
B.B.	BRANCH BOX	G.C.	GENERAL CONTRACTOR
B.B.H.	BASE BOARD HEATER	G.V.	GRAVITY VENT
B.F.F.	BELOW FINISHED FLOOR	G.V.I.	GRAVITY VENT INTAKE
B.G.	BELOW GRADE	H/X	HEAT EXCHANGER
B.S.	BELOW SLAB	L	REFRIGERANT LIQUID
C	CONDUIT	M.D.	MOTORIZED DAMPER
CB	CIRCUIT BREAKER	M.V.	MOTORIZED VALVE
C.D.	CEILING DIFFUSER	N.T.S.	NOT TO SCALE
C.F.M.	CUBIC FEET PER MINUTE	O.A.	OUTSIDE AIR
C.H.	CABINET HEATERS	P.C.	PLUMBING CONTRACTOR
CND.	CONDENSATE (COOLING)	P.S.I.	POUNDS PER SQUARE INCH
C.P.	CONDENSATE PUMP	R	REMOVE
C.U.	CONDENSING UNIT	R.A.	RETURN AIR
CU	COPPER	REG.	RETURN/EXHAUST REGISTER
DN	DOWN	S.A.	SUPPLY AIR
D.T.R.	DUAL TEMPERATURE RETURN	S.M.	SNOW MELT
D.T.S.	DUAL TEMPERATURE SUPPLY	S.R.	SUPPLY REGISTER
E	EXISTING	T	THERMOSTAT
E.A.	EXHAUST AIR	V.D.	VOLUME DAMPER
E.C.	ELECTRICAL CONTRACTOR	W.H.	WALL HEATER

ELECTRIC LEGEND	
SYMBOL	DESCRIPTION &/OR SPECIFICATION
	EXISTING
	REMOVE EXISTING
	NEW
	DISCONNECT SWITCH, TYPE AND SIZE AS INDICATED.
	120V, 20AMP RANTITE-WHILE-IN-USE GFCI RECEPTACLE WITH HINGED METAL COVER
	TOGGLE TYPE DISCONNECT SWITCH, SIZE AS INDICATED
	ELECTRICAL JUNCTION BOX
	WORK ITEM

### GENERAL ELECTRICAL NOTE:

1. EC SHALL TRACE CIRCUITRY FOR EQUIPMENT BEING REMOVED. REMOVE BACK TO SOURCE. MAINTAIN CIRCUITRY FOR EQUIPMENT TO REMAIN.

### MECHANICAL WORK NOTES:

1. CLEAN AND SEAL ALL EXISTING SUPPLY, RETURN AND EXHAUST DUCTWORK IN AREA OF WORK.
2. PROVIDE NEW ACT TILES TO MATCH EXISTING IN AREAS OF REMOVAL WITH DROPPED CEILINGS.
3. PATCH AND PAINT TO MATCH EXISTING IN AREAS OF REMOVAL WITH EXPOSED CEILINGS.
4. HC TO SURVEY AND CONFIRM EXISTING DUCT SIZES AND LAYOUT PRIOR TO ANY REMOVAL.
5. CONTRACTOR SHALL BE RESPONSIBLE TO FILE APPLICABLE BUILDING PERMITS FROM TOWN OF MAMARONECK. ALL PERMIT FEES TO BE WAIVED FOR PERMIT ISSUANCE.

### CONSTRUCTION NOTES:

- ICE RINK FACILITY SHALL BE KEPT OPERATIONAL AT ALL TIMES. CONTRACTOR SHALL NOTIFY TOWN AT LEAST 48 HOURS PRIOR TO ANY TEMPORARY SHUTDOWN OF WATER OR ELECTRICAL SUPPLY WITHIN THE FACILITY.
- ICE RINK FACILITY SHALL BE RESPONSIBLE FOR REMOVAL AND STORING OF ALL EXISTING FURNITURE IN AREAS OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE DUST PARTITIONS AS NECESSARY TO ISOLATE INDOOR WORK AREAS DURING ALL DUST GENERATING CONSTRUCTION ACTIVITIES.
- CONTRACTORS SHALL BE RESPONSIBLE FOR DISPOSAL AND DAILY HOUSEKEEPING OF WORK AREAS AS PART OF SCOPE OF WORK.

## 1 MECHANICAL PLANS – REMOVALS

SCALE: 1/4" = 1'-0"

### REMOVAL NOTES:

1. EXISTING SPLIT SYSTEM TO BE REMOVED INCLUDING AIR HANDLING UNIT, CONDENSING UNIT, HYDRONIC HEATING COIL, HYDRONIC PIPING, REFRIGERANT PIPING AND CONTROLS. REMOVE POWER AND DISCONNECTS BACK TO SOURCE. PATCH AND PAINT ALL OPENINGS THROUGH WALLS TO MATCH EXISTING. REFRIGERANT TO BE PROPERLY & EXTRACTED AND DISPOSED OF PRIOR TO REMOVAL. PROVIDE ALUMINUM CLADDING AND BOARD INSULATION TO SEAL OPENINGS AT EXTERIOR WALL TO MATCH EXISTING.
2. EXISTING DUCTWORK TO BE REMOVED INCLUDING ALL ASSOCIATED AIR OUTLETS, PATCH AND PAINT OPENINGS THROUGH WALLS TO MATCH EXISTING.
3. EXISTING GAS FIRED HYDRONIC BOILER TO BE REMOVED INCLUDING ALL ASSOCIATED PIPING, CIRCULATORS, VALVES, TRIMS, VENTING, BREECHING, GAS BURNER, GAS PIPING, AIR SEPARATOR, EXPANSION TANK, COLD WATER TRAIL AND CONTROLS. REMOVE POWER AND DISCONNECTS BACK TO SOURCE. CAP ALL PIPING BACK AT MAIN. PATCH AND PAINT ALL OPENINGS THROUGH WALLS TO MATCH EXISTING.
4. EXISTING PERIMETER RADIATION TO BE REMOVED INCLUDING ALL ASSOCIATED PIPING, PIPE HANGERS, VALVES, TRIM AND CONTROLS. REMOVE POWER BACK TO SOURCE. PATCH AND PAINT ALL OPENINGS THROUGH WALLS TO MATCH EXISTING. PROVIDE 3/4" GYPSUM BOARD BEHIND BASEBOARD, PAINT AND PATCH AS REQUIRED TO MATCH EXISTING FINISH.
5. EXISTING PERIMETER RADIATION TO BE REMOVED INCLUDING ALL ASSOCIATED PIPING, PIPE HANGERS, VALVES, TRIM AND CONTROLS. REMOVE POWER BACK TO SOURCE. PATCH AND PAINT ALL OPENINGS THROUGH WALLS TO MATCH EXISTING. PROVIDE SUBWAY TILES BEHIND BASEBOARD, PAINT AND PATCH AS REQUIRED TO MATCH EXISTING FINISH.
6. EXISTING CONNECTOR TO BE REMOVED INCLUDING ALL ASSOCIATED PIPING, PIPE HANGERS, VALVES, TRIM AND CONTROLS. REMOVE POWER BACK TO SOURCE. PATCH AND PAINT ALL OPENINGS THROUGH WALLS TO MATCH EXISTING. PROVIDE VINYL PANELS AND MOLDING BEHIND CONNECTOR, PAINT AND PATCH AS REQUIRED TO MATCH EXISTING FINISH.
7. EXISTING PERIMETER RADIATION AND CONNECTOR TO BE REMOVED INCLUDING ALL ASSOCIATED PIPING, PIPE HANGERS, VALVES, TRIM AND CONTROLS. REMOVE POWER BACK TO SOURCE. PATCH AND PAINT ALL OPENINGS THROUGH WALLS TO MATCH EXISTING. PROVIDE WAINSCOTING BEHIND BASEBOARD AND CONNECTOR, PAINT AND PATCH AS REQUIRED TO MATCH EXISTING FINISH.
8. EXISTING EXHAUST FAN TO BE REMOVED INCLUDING ALL ASSOCIATED DUCTWORK AND CONTROLS. REMOVE POWER AND DISCONNECTS BACK TO SOURCE. EXISTING OPENINGS TO BE SAFE OFF AND INSULATED, INCLUDE 2" BOARD INSULATION.
9. EXISTING TOILET ROOM EXHAUST FAN TO BE REMOVED AND REPLACED WITH NEW AS SPECIFIED.
10. EXISTING COMBUSTION LOUVER AND MOTORIZED DAMPERS TO BE SAFE OFF AND INSULATED, INCLUDE 2" BOARD INSULATION. REMOVE POWER BACK TO SOURCE.
11. EXISTING TRANSFER GRILLE TO BE REMOVED AND REPLACED WITH NEW 2x4 ACT TILE.
12. DISCONNECT, REMOVE, STORE AND REINSTALL LIGHT FIXTURES IN ROOMS INDICATED TO ACCOMMODATE DUCTWORK AND PIPING INSTALLATION.

## TOWN OF MAMARONECK HOMMOCKS ICE RINK

140 HOMMOCKS ROAD  
LARCHMONT, NY 10538

### HVAC UPGRADES



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#### Revisions

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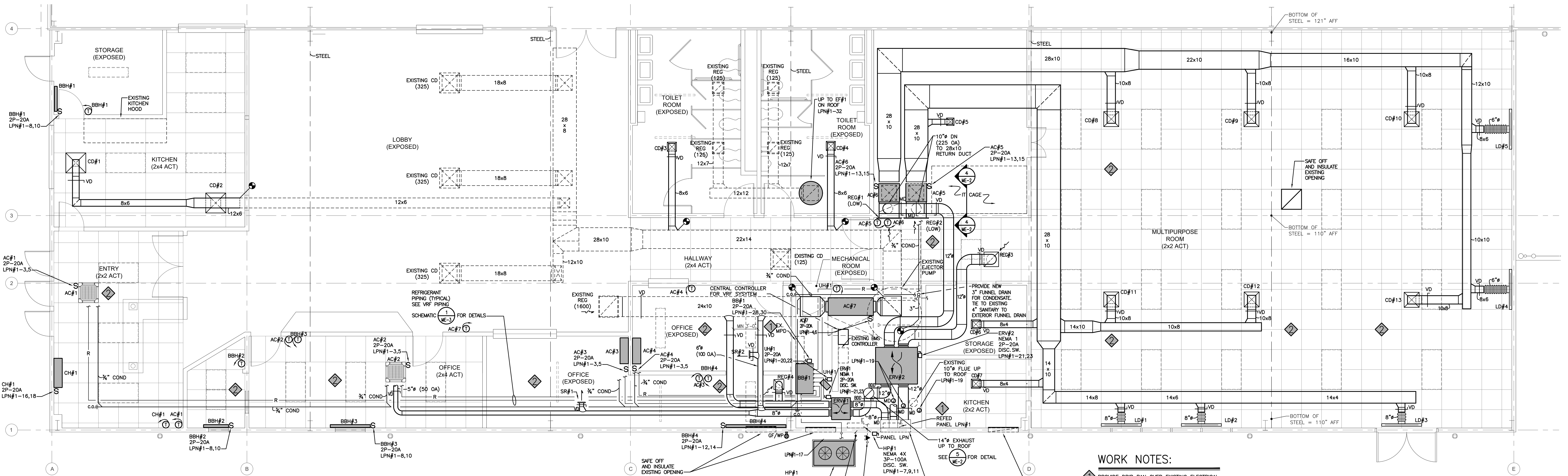
PROJECT NUMBER: 2311

Scale: AS NOTED Date: 05/06/2022

Drawing Title  
**MECHANICAL  
GROUND LEVEL PLAN -  
REMOVALS**

Drawing No.

ME-1



# 1 MECHANICAL PLAN - GROUND LEVEL

SCALE: 1/4" = 1'-0"

EXISTING

PANEL LPN#1				MAINS CU. 225 (FED FROM LPN FEEDER) AMPERES			
M.L.O. ✓				VOLTAGE 120/208V, 3Ø, 4W & GND			
				FEEDER SEE RISER			
C	P	T	P	C	P	T	P
IR	OS	UP	DOWN	IR	OS	UP	DOWN
1	1	20	EXISTING LOAD	A			EXISTING LOAD
3	1		BLANK	B			
5	1		BLANK	C			
7				A			
9	3	20	DISCONNECT OUTDOOR UNIT #2	B			DISCONNECT OUTDOOR UNIT #1
11				C			
13	1		BLANK	A			
15	1			B			DISCONNECT EXISTING FAN
17	1			C			
19	1			A			BLANK
21	1			B			
23	1			C			
25	1			A			
27	1			B			
29	1			C			
31	1			A			
33	1			B			
35	1			C			

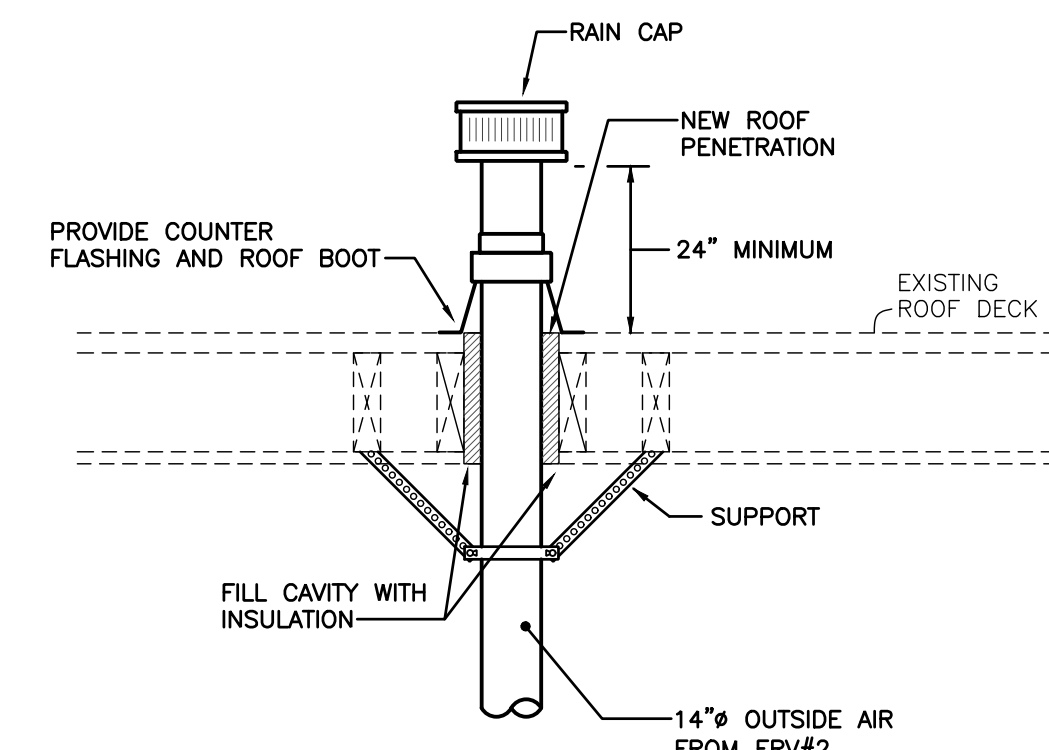
REMARKS:

EXISTING PANEL WITH NEW CIRCUIT BREAKERS

PANEL LPN#1				MAINS CU. 225 (FED BY 150A CB) AMPERES			
REFEED WITH NEW 150A CB IN MDP				VOLTAGE 120/208V, 3Ø, 4W & GND			
SEE POWER RISER				FEEDER SEE RISER			
C	P	T	P	C	P	T	P
IR	OS	UP	DOWN	IR	OS	UP	DOWN
1	1	20	EXISTING LOAD TO REMAIN	EXIST	600W	EXIST	EXISTING LOAD TO REMAIN
3	2	20	NEW AC#1, #2, #3, #4	#12	800W	#12	AC#7
5				A	1.2KW		
7				C			
9	3	30	NEW HP#1	B	2KW	#10	NEW BBH#1, #2, #3
11				C	1.5KW	#10	NEW BBH#4
13	2	20	NEW AC#5, #6	A	2.4KW		
15				B	2.5KW	#10	CH#1
17	1	20	NEW EXT REC	C	180W		
19	1	20	NEW MOTORIZED DAMPERS	A	360W		
21				B		#10	UH#1
23	2	20	ERV#1, #2	C	600W		
25	1	20	SPARE	A			SPARE
27	1	20	SPARE	B			SPARE
29	1	20	SPARE	C	360W		
31	1	20	SPARE	A	360W	#12	BBH#1
33	1		BLANK	B			SPARE
35	1		BLANK	C			SPARE

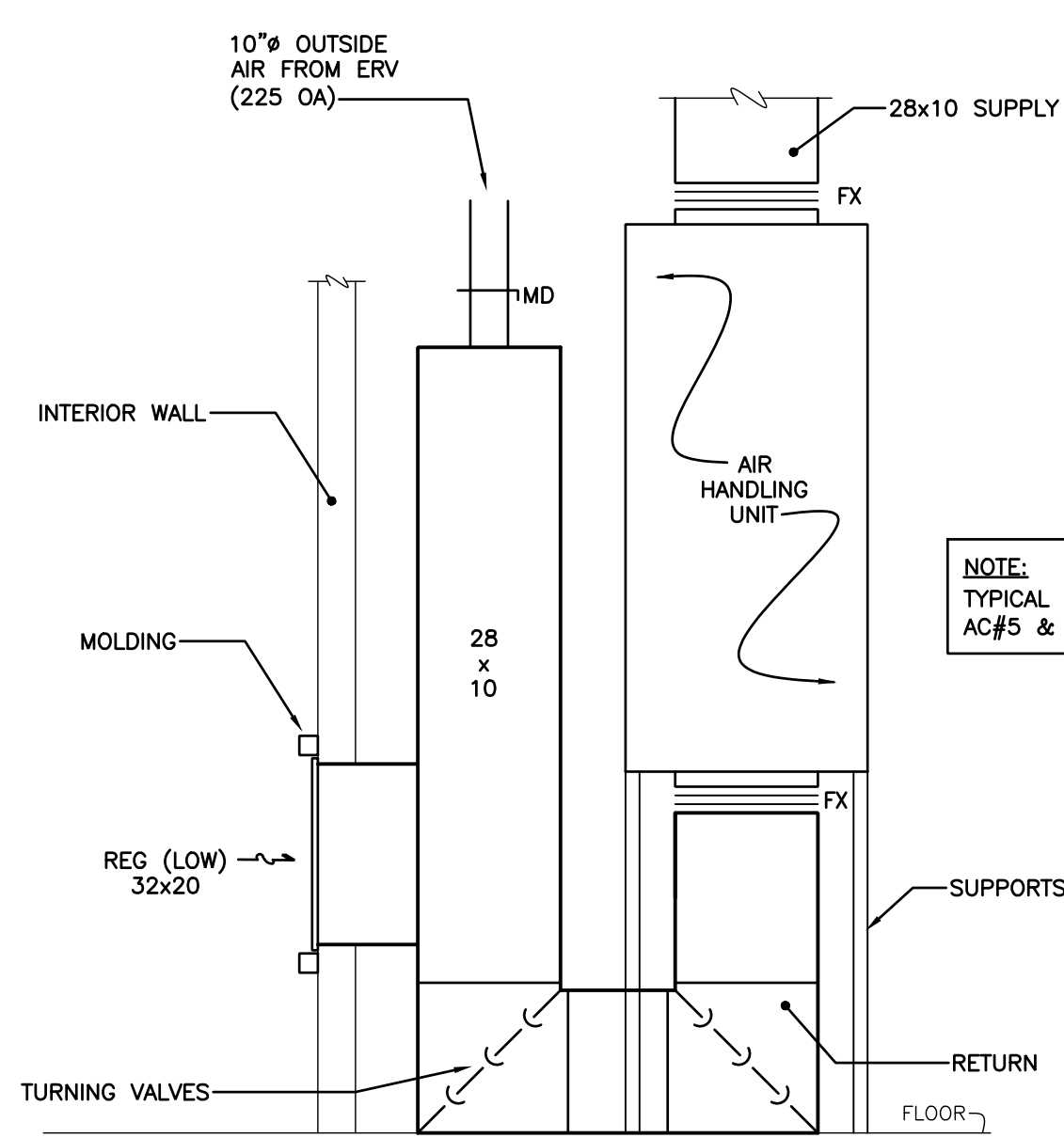
REMARKS: 1. SPARE BREAKERS TO BE PLACED IN OFF POSITION.

CONNECTED LOAD 32 KW



# 5 ENERGY RECOVERY UNIT EXHAUST DETAIL

NOT TO SCALE



# 4 MULTIPURPOSE AHU SECTION

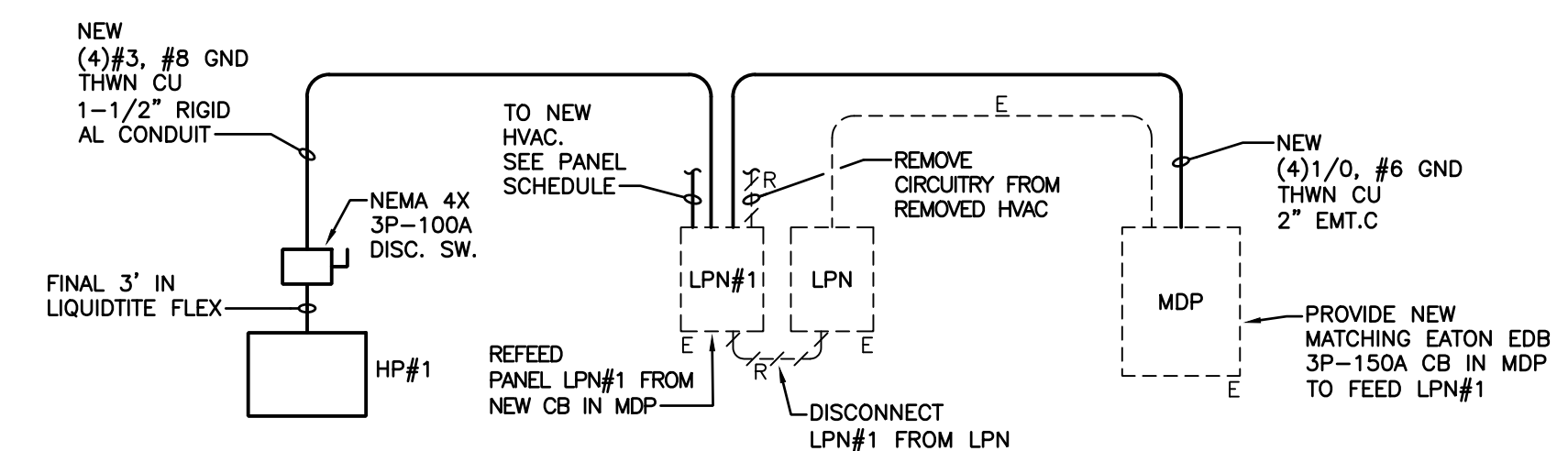
NOT TO SCALE

# GENERAL ELECTRICAL NOTE:

1. EC SHALL TRACE CIRCUITRY FOR EQUIPMENT BEING REMOVED. REMOVE BACK TO SOURCE. MAINTAIN CIRCUITRY FOR EQUIPMENT TO REMAIN.

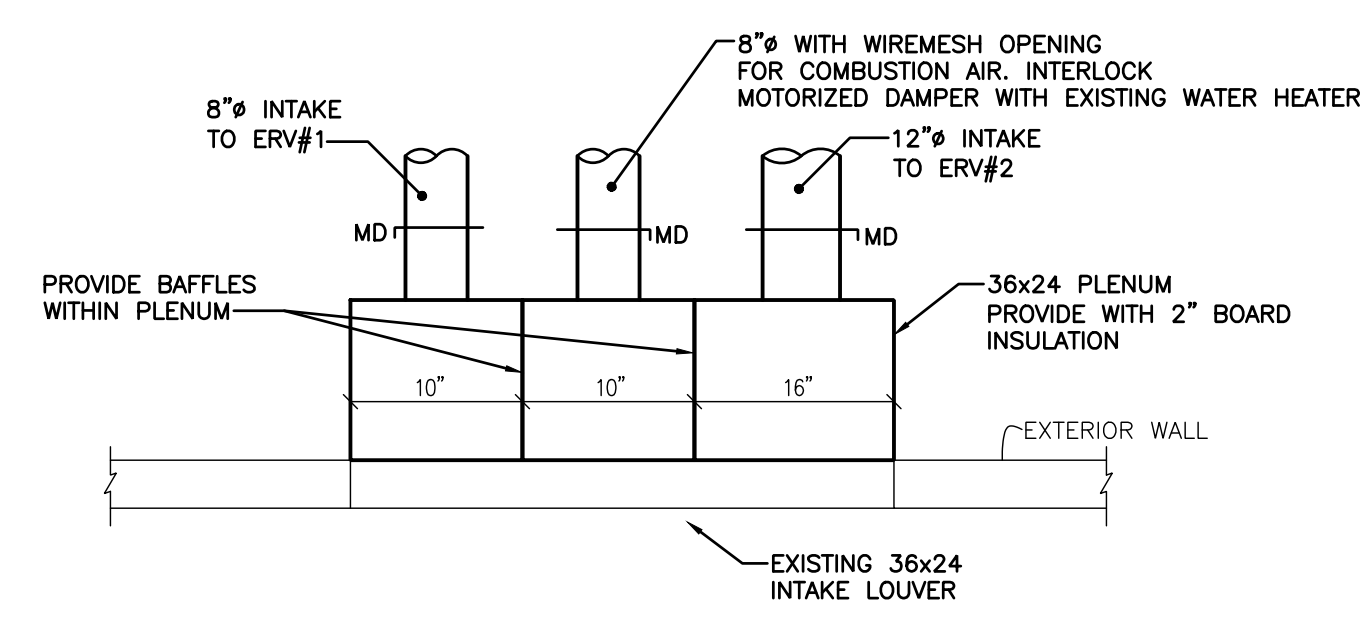
# RACEWAY AND CONDUCTOR NOTES:

1. ALL CONDUCTORS SHALL BE COPPER THWN, 600V INSULATED.
2. IN UTILITY AND STORAGE ROOMS, ALL RACEWAYS SHALL BE EMT CONDUIT WITH COMPRESSION FITTINGS.
3. WHERE EXPOSED, ALL RACEWAYS SHALL BE EMT CONDUIT WITH COMPRESSION FITTINGS.
4. WHERE CONCEALED ABOVE SUSPENDED CEILINGS, PROVIDE MC CABLE.
5. WHERE VERTICAL IN OCCUPIED SPACES, PROVIDE SURFACE WIREMOLD, PAINTED TO MATCH WALL.
6. PROVIDE CONTINUOUS GROUNDING AND BONDING FOR ALL NEW AND MODIFIED EQUIPMENT, PIPES, CIRCUITRY AND DUCTWORK.



# 2 POWER RISER

NOT TO SCALE



# 3 INTAKE LOUVER SECTION

SCALE: 1/4" = 1'-0"

# TOWN OF MAMARONECK HOMMOCKS ICE RINK

140 HOMMOCKS ROAD  
LARCHMONT, NY 10538

# HVAC UPGRADES



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No.	Date	Comments
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PROJECT NUMBER: 2311

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Drawing Title  
**MECHANICAL  
GROUND LEVEL PLAN -  
PROPOSED**

Drawing No.

ME-2



ADD/ALTERNATE:  
TIE ALL NEW EQUIPMENT TO TOWN'S EXISTING HONEYWELL BUILDING MANAGEMENT SYSTEM (BMS).

HEAT PUMP UNIT SCHEDULE									
HP No.	MFR	MODEL	EER/COP47	CAPACITY (MBH) COOLING/HEATING	SIZE (HxWxD)	REFRIG. PIPING LIQUID/GAS	WEIGHT (LBS)	ELECTRICAL 208V/3P MCA/MOCP (A)	NOTES
HP#1	TRANE	TURYE-16B3AN40AN	11.2/3.3	168/188	71-5/8"x68-15/16"x29-3/16"	7/8" / 1-1/8"	777	57/90	
NOTE: 1. PROVIDE WITH 10 YEAR EXTENDED WARRANTY AND DIGITAL TOUCHSCREEN CENTRAL CONTROLLER TO BE INSTALLED IN MECHANICAL ROOM.									

BRANCH BOX UNIT SCHEDULE									
UNIT No.	MFR	MODEL	OUTDOOR UNIT	No. OF BRANCH CONNECTIONS	LOCATION	ELECTRICAL DATA			NOTES
						VOLT/PH	MCA (A)	MOP (A)	
BB#1	TRANE	TCMBM0108JH11N4	HP#1	8	MECHANICAL ROOM	208/1φ	0.8	20	
NOTE:									

EXHAUST FAN SCHEDULE									
EXHAUST FAN No.	MFR.	MODEL	C.F.M.	S.P.	H.P.	WALL OR BASE OPG.	CURB TYPE	CONTROLS	NOTES
EF#1	LOREN COOK	100C15DH	550	0.375	1/8	-	-	TIME CLOCK	
NOTE: PROVIDE BACKDRAFT DAMPER, ADAPTER CURB, VARIABLE SPEED CONTROLLER AT FAN FOR BALANCING.									

ELECTRIC HEATER SCHEDULE									
ELECTRIC HEATER No.	MFR.	MODEL No.	TYPE	LENGTH	WATTS	VOLTS / PHASE	BTU/HR.	CONTROL	NOTES
BBH#1	QMARK	QMKC25026W	COMMERCIAL BASE BOARD	30"	500	208/1φ	1700	THERMOSTAT	
BBH#2		QMKC25026W		30"	500		1700		
BBH#3		QMKC2504W		48"	1000		3500		
BBH#4		QMKC2506W		72"	1500		5100		
CH#1	QMARK	CU935	CABINET	35"	2000	208/1φ	6826	THERMOSTAT	
UH#1	QMARK	MUH03-21	UNIT	14"	3000	208/1φ	10200	THERMOSTAT	

RETURN EXHAUST REGISTER SCHEDULE					
RETURN EXH. No.	MFR.	MODEL	CFM.	SIZE	NOTES
REG#1	PRICE	635 DAL	1600	32x20	
REG#2					
REG#3					
REG#4					
NOTE: EXTRUDED ALUMINUM LOUVER TYPE, 45° FIXED BLADES, 1/2" SPACING, BLADES PARALLEL TO LONG DIMENSION.					

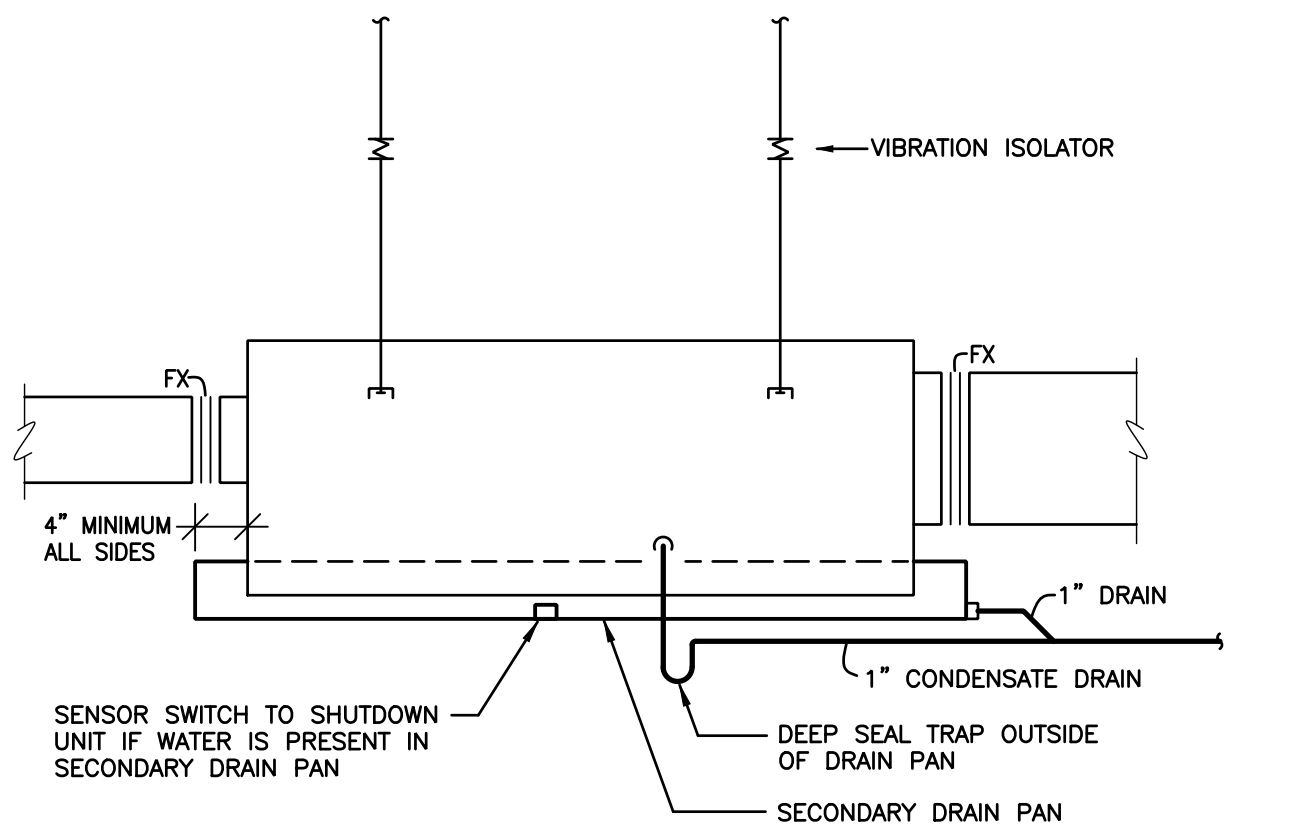
SUPPLY REGISTER SCHEDULE					
SUPPLY REG. No.	MFR.	MODEL	CFM.	SIZE	NOTES
SR#1&2	PRICE	620 DAL	25	6x4	
NOTE: EXTRUDED ALUMINUM, REVERSIBLE CORE SIDE WALL SUPPLY REGISTER WITH ALUMINUM DAMPER, 1" FLAT BORDER AND DIRECTIONAL VANES.					

CEILING DIFFUSER SCHEDULE					
CEILING DIFF. No.	MFR.	MODEL	CFM.	SIZE	NOTES
CD#1	PRICE	AMDE	150	6x6	
CD#2					
CD#3					
CD#4					
CD#5					
CD#6					
CD#7					
CD#8					
CD#9					
CD#10					
CD#11					
CD#12					
CD#13					
NOTE: DIFFUSERS TO BE EXTRUDED ALUMINUM CONSTRUCTION FOR SURFACE MOUNTING. PROVIDE WITH VOLUME DAMPERS					

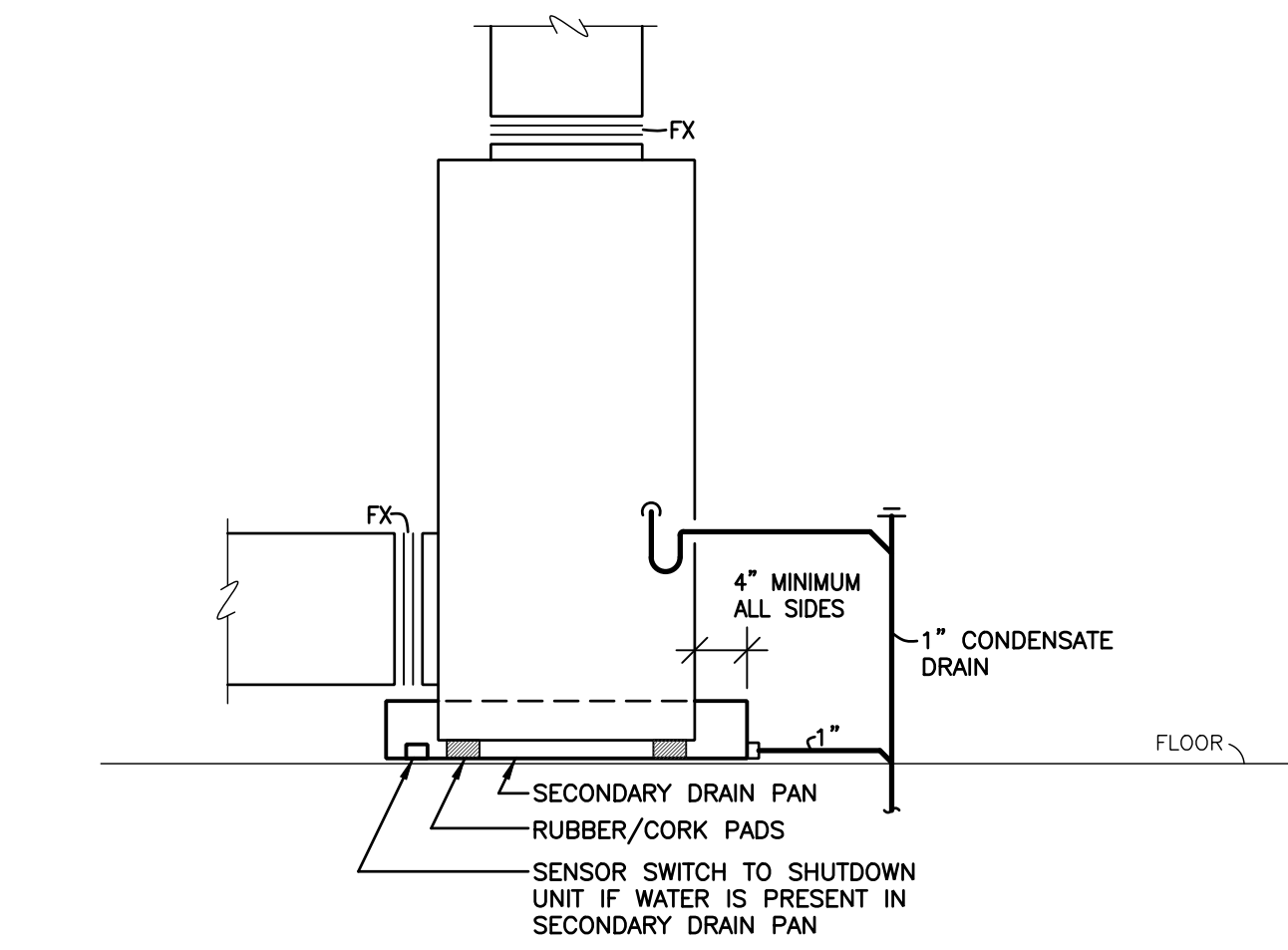
ELECTRIC LEGEND	
SYMBOL	DESCRIPTION &/OR SPECIFICATION
	TOGGLE TYPE DISCONNECT SWITCH, POLES, AMPS AS INDICATED
	NEMA TYPE DISCONNECT NEMA, POLES, AMPS AS INDICATED AND REQUIRED
	JUNCTION BOX
	RANITE WHILE-IN-USE 120V, 20 AMP TAMPER-RESISTANT RECEPTACLE

## ELECTRICAL GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE STATE'S ADOPTED NFPA AND ADOPTED NEC WITH LOCAL SUPPLEMENTS.
- WORK PERFORMED SHALL BE UNDERTAKEN WITH PRECAUTION BEING MAINTAINED TO ENSURE SAFETY OF PERSONNEL AND EQUIPMENT IN AREA IN SUCH A MANNER SO AS NOT TO DISTURB NORMAL WORK PROCEDURE.
- WORK SHOWN IS DIAGRAMMATIC. EXACT LOCATION OF CONDUIT RUNS SHALL BE DETERMINED IN FIELD. LOCATE NEW CONDUIT RUNS TO CLEAR EXISTING AND NEW PIPING, DUCTWORK, ACCESS DOORS AND OTHER OBSTRUCTIONS. COORDINATE CONDUIT ROUTING WITH WORK OF OTHER TRADES AND ALTER WHERE NECESSARY TO AVOID INTERFERENCE.
- PROVIDE IDENTIFICATION TAGS FOR NEW WIRING AND INSTALL AT EACH END AND IN INTERMEDIATE PULL/JUNCTION BOXES, CABINETS, HOUSINGS, ETC. INDICATE ON TAGS, LEGIBLY, MINIMUM 1/4" HIGH LETTERS, THE POINTS OF ORIGIN AND TERMINATION OF EACH CIRCUIT. INCLUDE DATE OF INSTALLATION.
- WHEN PORTION OF AN EXISTING CIRCUIT IS TO BE REMOVED OR IS ON WALL BEING REMOVED, CONTRACTOR SHALL MAKE NECESSARY MODIFICATIONS AND/OR ADDITIONS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY OF UNCHANGED PORTION.
- VERIFY EXACT LOCATION OF EQUIPMENT, SHOWN OR NOT SHOWN, IN FIELD PRIOR TO PERFORMING ANY WORK.
- VERIFY IN FIELD THAT ANY EQUIPMENT AND WIRING TO BE REMOVED DOES NOT SERVE ACTIVE EQUIPMENT TO REMAIN PRIOR TO DISCONNECTING/REMOVING.
- INSTALL CONDUIT RUNS AS CLOSE TO CEILING DECK AS POSSIBLE. PROVIDE REQUIRED CONDULETS, ELBOWS, FITTINGS, OFFSETS, AND PULLBOXES.
- CONDUITS SHALL BE PROPERLY SUPPORTED FROM CEILING DECK ABOVE. NO CONDUIT SHALL BE SECURED TO, SUPPORTED BY OR HUNG FROM DUCTWORK OR PIPING OR OTHER SUCH ITEMS.
- WORK REQUIRING SHUT-DOWN OF ELECTRIC SERVICE SHALL BE PERFORMED DURING PRE-SCHEDULED SHUT-DOWN AS SCHEDULED AND APPROVED BY ARCHITECT AND OWNER. INCLUDE COSTS IN BID.
- PROVIDE CUTTING AND PATCHING REQUIRED FOR ELECTRICAL INSTALLATION.
- PROVIDE SLEEVES FOR RACEWAYS PIERCING FIRE RATED WALLS, FLOORS, AND OTHER CONSTRUCTION OBSTACLES.
- MATERIALS REMOVED BE CONTRACTOR AND NOT REQUIRED FOR INSTALLATION SHALL BE REMOVED FROM PREMISES AND DISPOSED OF IN LEGAL MANNER, IMMEDIATELY WHEN SO DIRECT BY ARCHITECT.
- APPLY LABELING ON CONDUIT FOR BUILDING ALARM CIRCUITRY AT INTERVALS OF 20 FT.
- CONDUCTORS IN PARALLEL SHALL BE INSTALLED IN STRICT ACCORDANCE WITH APPLICABLE CODES.
- PHASING OF ELECTRICAL WORK SHALL COMPLY WITH "PHASING OF THE WORK" AS DESCRIBED BY ENGINEER/OWNER.
- PROVIDE BLANK COVERS ON ABANDONED OR UNUSED OUTLET BOXES.
- MAKE FINAL CONNECTIONS FOR MOTORIZED EQUIPMENT OR EQUIP. SUBJECT TO VIBRATION, WITH FLEXIBLE RACEWAY.
- IF ANY DEVIATIONS/VARIATIONS ARE DISCOVERED BETWEEN FLOOR PLANS AND CONNECTION DIAGRAMS, THE CONTRACTOR SHALL PROVIDE FOR THE MOST EXPENSIVE SITUATION WITH CREDIT SUBMITTED, SHOULD THE LESSEER AMOUNT BE REQUIRED.
- WHERE THE PLANS DO NOT INDICATE THE BRANCH CIRCUIT WIRING AND CONDUIT FOR FIXTURES OR OUTLETS NOR THE CONDUIT SIZE FOR FEEDERS, PROVIDE THE CORRECT WIRING QUANTITY AND SIZE, INSTALLED IN CONDUIT, AS REQUIRED BY THE INDICATED CIRCUITRY AND THE NATIONAL ELECTRICAL CODE WITH LOCAL SUPPLEMENTS.
- PROVIDE IDENTIFICATION ON EACH FACEPLATE, DISCONNECT SWITCH, PANEL, ETC. IDENTIFICATION OF WIRING DEVICE FACEPLATE SHALL CONSIST OF PANEL DESIGNATION AND CIRCUIT NUMBER OF DEVICE AS CONNECTED. UTILIZE BROTHER "P-TOUCH" TYPE MATERIAL ADHERED TO FACEPLATE. IN HIGH LEVEL FINISH AREAS, LABEL MAYBE BEHIND PLATE.
- NEW SYSTEMS SHALL BE MADE OPERATIONAL AS SPACES ARE ACCEPTED. PROVIDE PERSONNEL, TESTING, SCHEDULING AS REQUIRED. INCLUDE COST IN BID.
- LOCATIONS OF OUTLETS ARE APPROXIMATE AND FINAL LOCATION SHALL BE AS DIRECTED BY THE ARCHITECT. VERIFY ALL LOCATIONS BEFORE INSTALLATION. NO EXTRAS WILL BE ALLOWED FOR CHANGES UP TO 10'-0" FROM LOCATION SHOWN ON PLAN PRIOR TO ROUGH-IN.

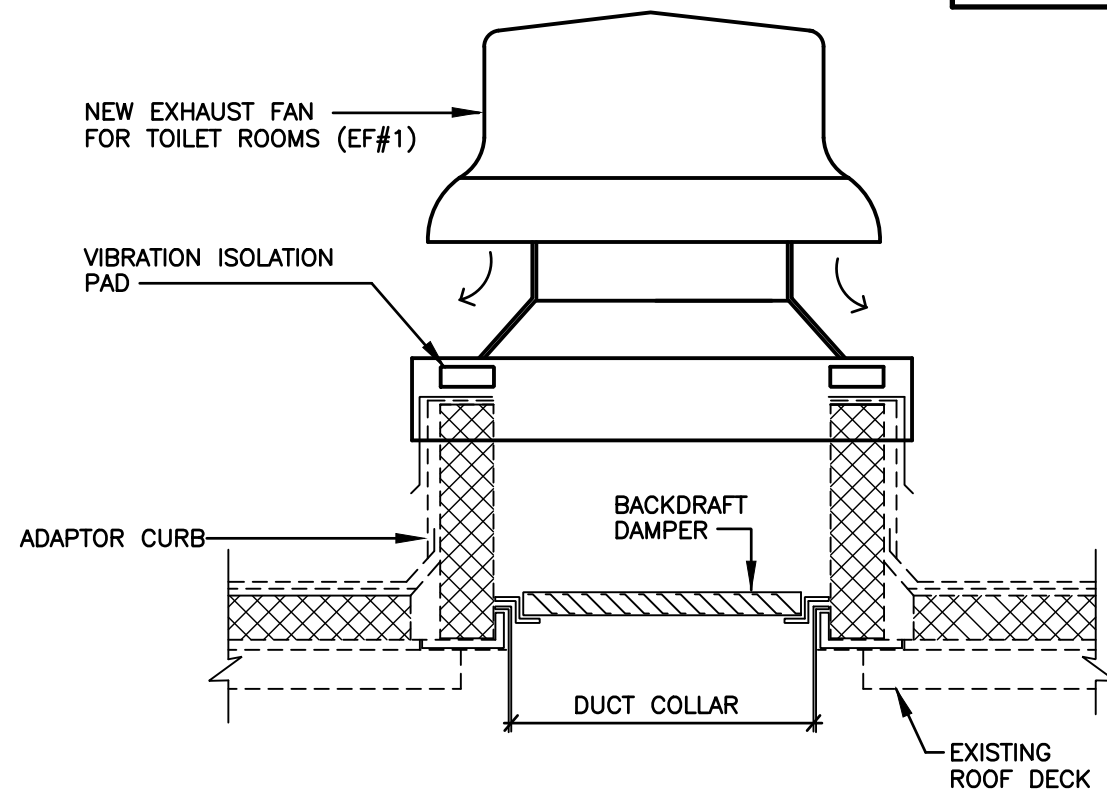


HORIZONTAL UNIT

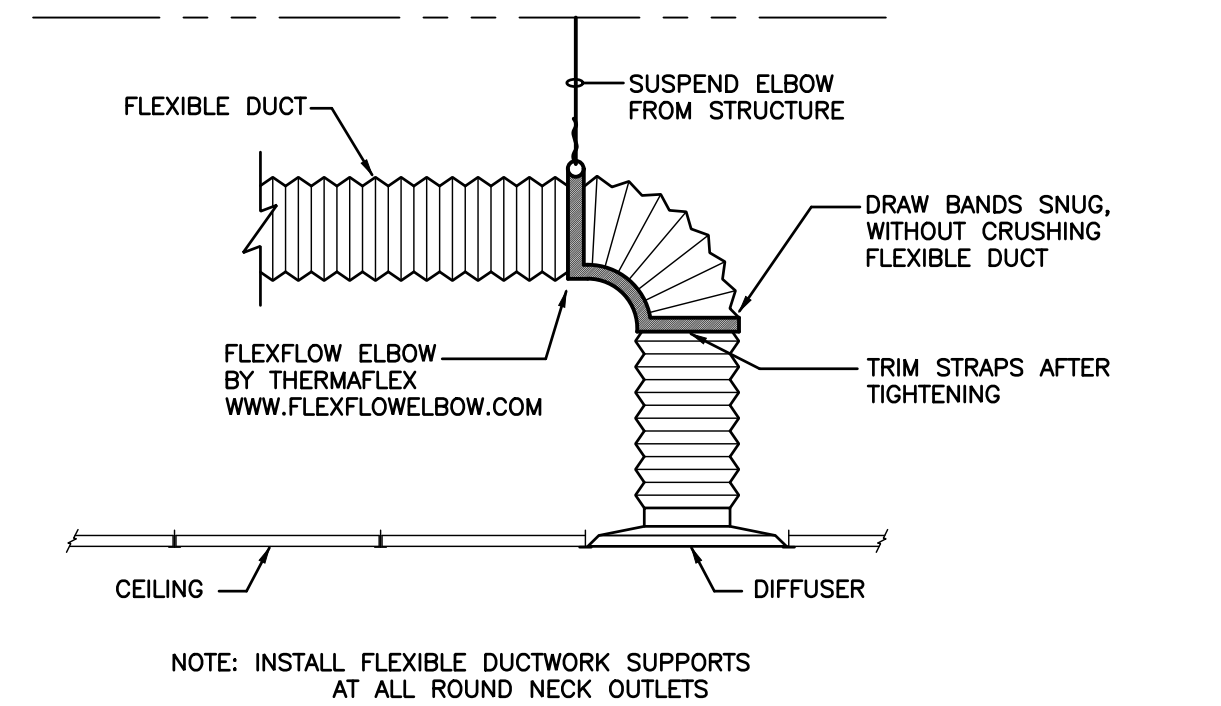


VERTICAL UNIT

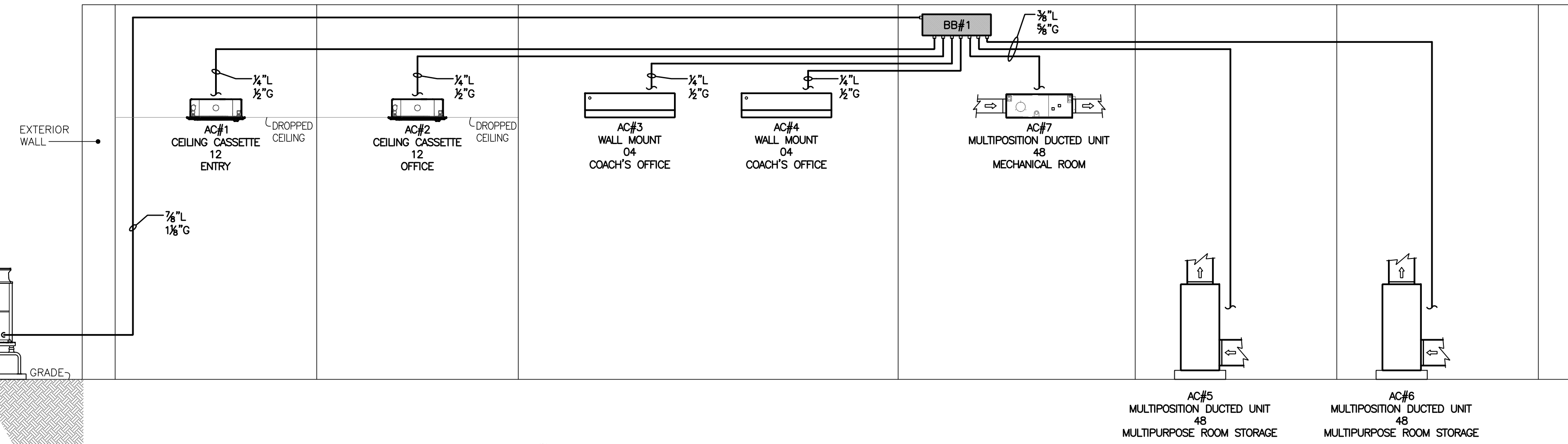
2 SECONDARY DRAIN PAN DETAIL  
ME-3 NOT TO SCALE



4 ROOF EXHAUST FAN DETAIL  
ME-3 NOT TO SCALE



3 FLEXIBLE DUCT CONNECTION TO AIR OUTLET  
ME-3 NOT TO SCALE



1 VRF PIPING SCHEMATIC  
ME-3 NOT TO SCALE

## INDOOR ENERGY RECOVERY UNIT

GENERAL										ELECTRICAL DATA				WEIGHT (LBS)	FILTERS (OA/RA)	NOTES
ERV No.	SERVICE	LOCATION	MANUFACTURER	MODEL	FAN DATA			EFFECTIVENESS HEATING/COOLING(%)		VOLT/PH	MCA	FLA	MOCP			
					CFM	ESP	DRIVE									
ERV#1	AC#1,2,3,4,7	MECHANICAL ROOM	RENEWARE	EVPREMIUMLH	200	0.25	ECM	62.2/62.2		208/1φ	10	1.22	10	52	MERV 13	STANDARD MOTOR
ERV#2	AC#5,6			HE10N	550	0.25	ECM	72.1/58		208/1φ	3.9	1.73	20	385	MERV 13	STANDARD MOTOR
NOTE: 1. PROVIDE ERV UNITS WITH BACKDRAFT DAMPERS, DIGITAL TIMECLOCK, VIBRATION ISOLATORS. 2. PROVIDE UNITS WITH VFD FOR OUTSIDE AIR AND EXHAUST FANS. 3. PROVIDE UNITS WITH BAGNET CARD.																

## VRF SPLIT SYSTEM INDOOR UNIT SCHEDULE

AC#	MFR.	MODEL	SIZE	HEAT PUMP	TYPE	CAPACITY (MBH) COOLING/HEATING	SIZE (HxWxD)	REFRIG. PIPING LIQUID/GAS	ELECTRICAL 208V/1φ MCA/MOCP (A)	CFM	ROOM	NOTES
AC#1	TRANE	TLFYPO12FM140A	12	HP#1	CEILING CASSETTE	12/13.5	8-3/16"x22-7/16"x22-7/16"	1/4 / 1/2	0.3/15	335	ENTRANCE	
AC#2		TLFYPO12FM140A	12		CEILING CASSETTE	12/13.5	8-3/16"x22-7/16"x22-7/16"	1/4 / 1/2	0.3/15	335	ADMIN OFFICE	
AC#3		TPKFYP004LM140A	04		WALL MOUNT	4/4.5	11-25/32"x30-7/16"x9-11/32"	1/4 / 1/2	0.24/15	148	COACH OFFICE	
AC#4			04		WALL MOUNT						COACH OFFICE	
AC#5		TPYFYP048AM141A	48		MULTIPOSITION DUCTED UNIT	48/54	59-1/2"x25"x21-5/8"	3/8 / 5/8	5.63/15	1600	MULTIPURPOSE STORAGE (1)	
AC#6											MULTIPURPOSE STORAGE (2)	
AC#7											MECHANICAL ROOM	
NOTE: PROVIDE WITH CONDENSATE PUMPS, SIMPLE MA THERMOSTAT, AND BAGNET CARD.												

## TOWN OF MAMARONECK HOMMOCKS ICE RINK

140 HOMMOCKS ROAD  
LARCHMONT, NY 10538

## HVAC UPGRADES



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### Revisions

No.	Date	Comments
1	12.22.2023	ISSUED FOR BID

PROJECT NUMBER: 2311

Scale: AS NOTED Date: 05/06/2022

Drawing Title

MECHANICAL  
VRF PIPING SCHEMATIC, NOTES,  
DETAILS & SCHEDULES

Drawing No.

ME-3