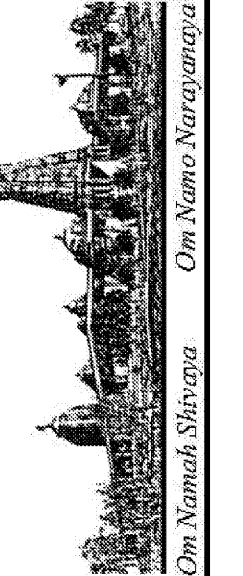


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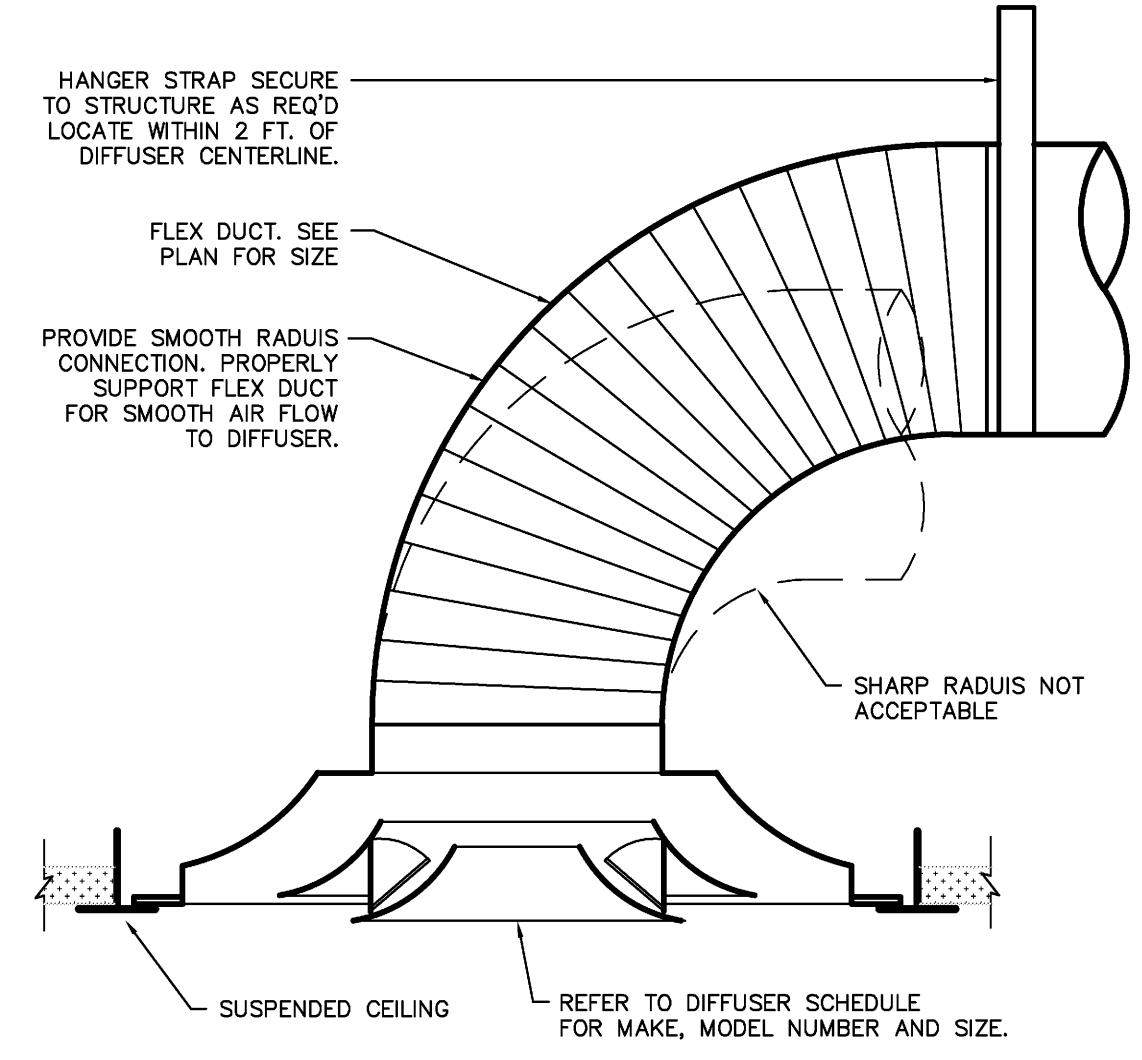


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MECH. DETAILS & EQUIP. SCHEDULE
 BUILDING B FLOOR PLAN
 PHASE 1A

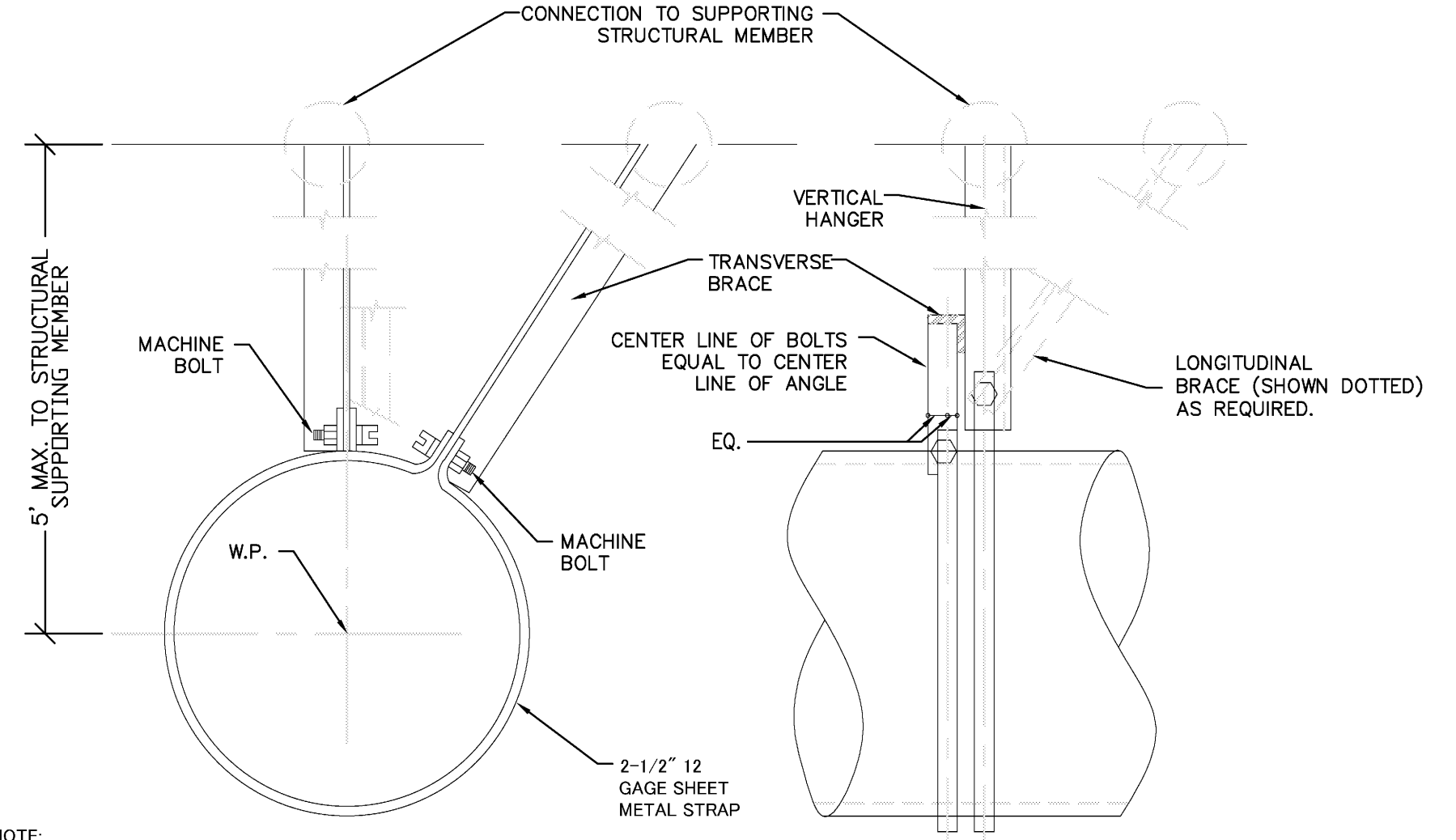
DATE	8/12/09
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PROJECT:	ARROWHEAD

M-0.2



NOTE: SEISMICALLY SECURE PER SMACNA STANDARDS AND UBC STANDARDS SECTION 47-18.

1 CEILING DIFFUSER CONNECTION
SCALE: NONE



- NOTE:**
- REFER TO 1998 SEISMIC RESTRAIN MANUAL FOR GENERAL REQUIREMENTS OF VERTICAL HANGERS, BRACE ANGLES, CONNECTION TO SUPPORTING STRUCTURE AND SPACING OF SUPPORTS.
 - SEE 1998 SMACNA "SEISMIC RESTRAINT MANUAL" TABLE 5-6, 6-6, OR 7-6 FOR VERTICAL HANGERS, DIAGONAL AND HORIZONTAL BRACES, BOLT SIZE, CONNECTION TO SUPPORTING STRUCTURE, AND SPACING OF BRACING.
 - AS AN OPTION, CONTRACTOR CAN USE UNISTRUT P-1000 CHANNELS IN LIEU OF ANGLES FOR VERTICAL HANGERS OR BRACE FRAMES.

2 HANGER CONNECTION TO ROUND DUCT
SCALE: NONE

ROOFTOP MAKE UP AIR UNITS

MARK NO.	MFR	HOOD SERVED	CAT. NO. MODEL	ELEC AMPS/V/PH	FAN				FILTER TYPE	HEATING				COOLING	WEIGHT LBS.	NOTES	
					TOTAL CFM	T.S.P	BHP/HP	RPM		TYPE	INPUT MBH	OUTPUT MBH	EFFICIENCY MBH				TYPE
MAU-1	GREENHECK	HOOD K-22	DG-112-H20	40.7/208/1	4090	2"	2.9/5.0	868	2" ALUM. MESH	GAS	384.1	353.38	92%	EVAP.	90	950	(1)
MAU-2	GREENHECK	HOOD K-23	DG-112-H20	40.7/208/1	4500	2"	3.5/5.0	1255	2" ALUM. MESH	GAS	400	368	92%	EVAP.	110	1000	(1)
MAU-3	GREENHECK	HOOD K-24	DG-109-H10	25.6/208/1	2400	2"	2.29/3.0	1742	2" ALUM. MESH	GAS	225	207	92%	EVAP.	55	700	(1)
MAU-4	GREENHECK	HOOD K-20	DG-112-H20	40.7/208/1	4500	2"	3.5/5.0	1255	2" ALUM. MESH	GAS	400	368	92%	EVAP.	110	1000	(1)

(1) FURNISH WITH SELF FLASHING ROOF CURB. INTERLOCK WITH EXHAUST FAN, FIRE PROTECTION SYSTEM AND GAS SHUT-OFF VALVE.

SUPPLY FAN SCHEDULE

TAG	MANUFACTURER	AREA SERVED	MODEL NUMBER	FAN TYPE	CFM	S.P. "H2O	RPM	MOTOR		WEIGHT (POUNDS)	NOTES
								HP	POWER		
SF-1	GREENHECK	STORAGE RM. 152	RSFP-90	CENTRIFUGAL ROOF	1000	0.75	980	1/2	120/1φ	140	(1)
SF-2	GREENHECK	STORAGE RM. 158	RSFP-100	CENTRIFUGAL ROOF	1600	0.75	900	1	120/1φ	160	(1)
SF-3	GREENHECK	REST RM. 110	RSFP-90	CENTRIFUGAL ROOF	800	0.4	700	1/2	120/1φ	140	(1)
SF-4	GREENHECK	REST RM. 110	RSFP-90	CENTRIFUGAL ROOF	800	0.4	700	1/2	120/1φ	140	(1)
SF-5	GREENHECK	STORAGE RM 137	RSFP-90	CENTRIFUGAL ROOF	800	0.4	700	1/2	120/1φ	140	(1)

(1) FURNISH WITH BACK DRAFT DAMPER

DUCTLESS SPLIT AIR CONDITIONING SYSTEM

EVAPORATOR UNIT

MARK NO.	MFR	CAT. NO. MODEL	CAPACITY BTUH	ELEC V/PH	FAN FLA	MCA	MAX FUSE	OPERATING WEIGHT LBS.	REFRIG. PIPING SIZES		NOTES
									LIQUID	SUCTION	
FC-1	MITSUBISHI	MSZ-A09NA	9000	208V/1φ	0.76	1.0	-	30	1/4"	3/8"	(1)(2)
FC-2	THERMALRITE	-	-	208V/1φ	1/4HP	-	-	-	-	-	-

- PROVIDE WITH CONDENSATE PUMP
- FACTORY WIRED FOR REMOTE 24V THERMOSTAT.

CONDENSING UNIT

MARK NO.	MFR	CAT. NO. MODEL	COOLING CAPACITY (TOTAL BTUH)	TITLE 24 INFORMATION		ELECTRICAL DATA						OPERATING WEIGHT LBS.	NOTES
				REQUIRED EFFICIENCY (SEER)	LISTED EFFICIENCY (SEER)	V/PH	MCA	MAX FUSE	FAN HP	FAN FLA	COMP RLA		
CU-1	MITSUBISHI	MUZ-A09NA	9,000	10.0	10.0	208V/1φ	12	15	1/4	.52	7.8	175	(1)
CU-2	THERMALRITE	MOH025	-	-	-	208V/1φ	12	-	2-1/2	-	-	-	(1)

- PROVIDE WITH LOW AMBIENT CONTROLS.

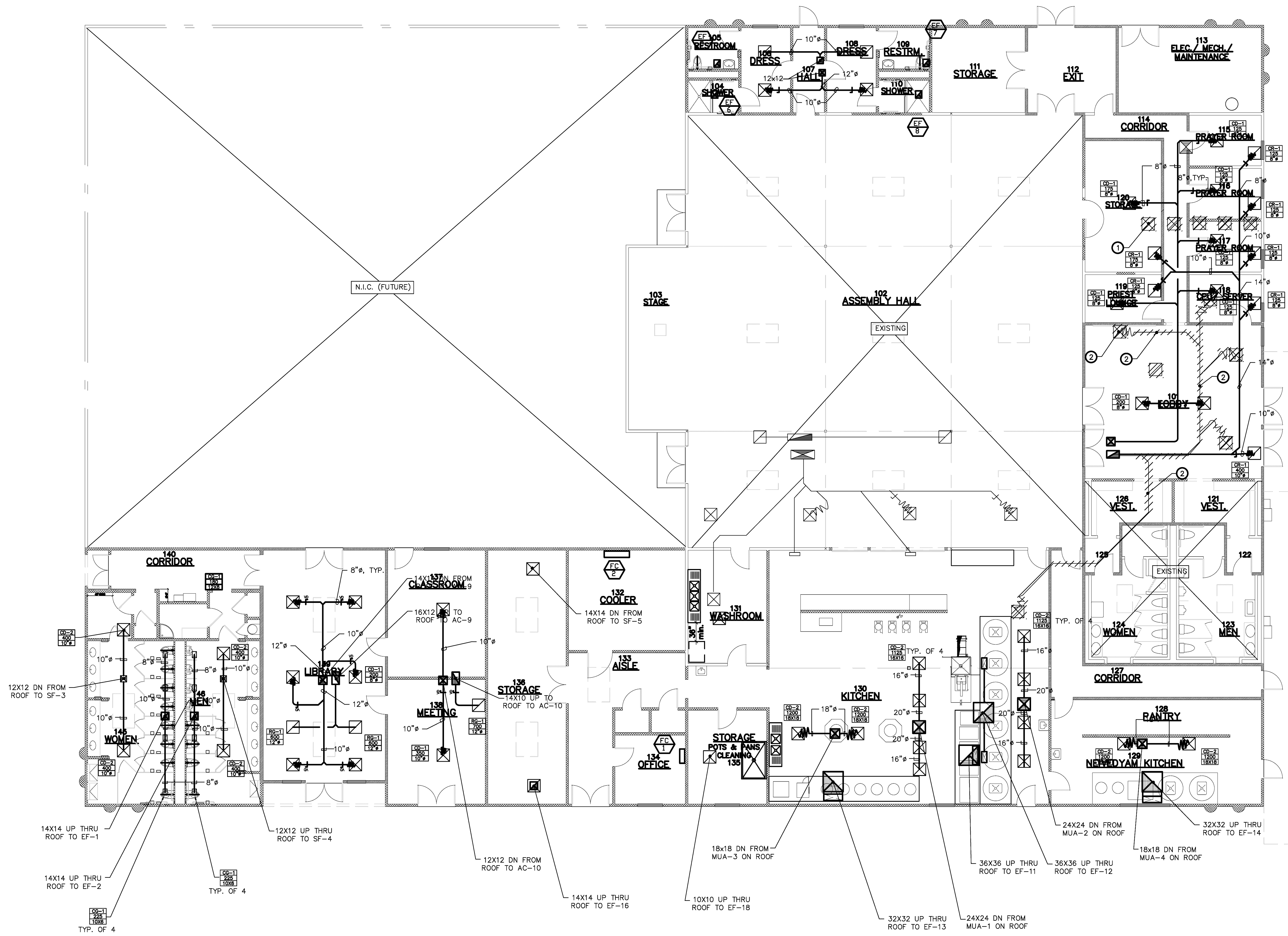
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DEMOLITION NOTES:

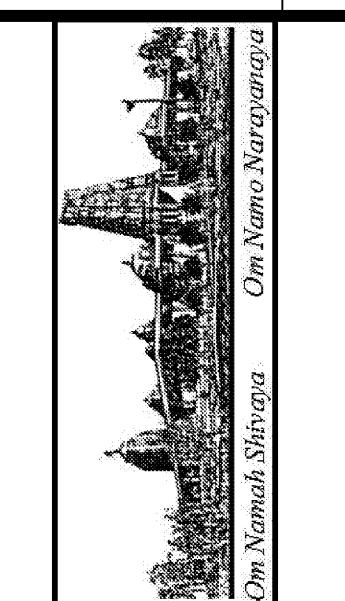
- ① REMOVE (E) DUCT AND GRILLES ASSOCIATED WITH (E) MAKE-UP AIR UNIT AND EXHAUST FAN. SCHEDULE THE REMOVAL WITH CONSTRUCTION MANAGER. PATCH THE ROOF OPENINGS.
- ② REMOVE (E) DUCT AND ASSOCIATED SUPPLY AND RETURN AIR DIFFUSERS.

CONSTRUCTION NOTES:

- ① REMOVE (E) UNIT AND REPLACE WITH (N) UNIT AS SCHEDULED ON DWG. M0.1.
- ② INSTALL (N) UNIT AS SCHEDULED ON DWG. M0.1 AND M0.2. COORDINATE WITH ELECTRICAL PLANS FOR POWER AND STRUCTURAL/ARCHITECTURAL FOR EXACT LOCATION.



1 MECHANICAL FLOOR PLAN-COSTRUCTION
M-1 SCALE: 1/8"=1'-0"



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MECHANICAL
 BUILDING B FLOOR PLAN
 PHASE 1A

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SCALE:	AS NOTED
DRAWN BY:	RL/sam
PROJECT:	ARROWHEAD

M-1

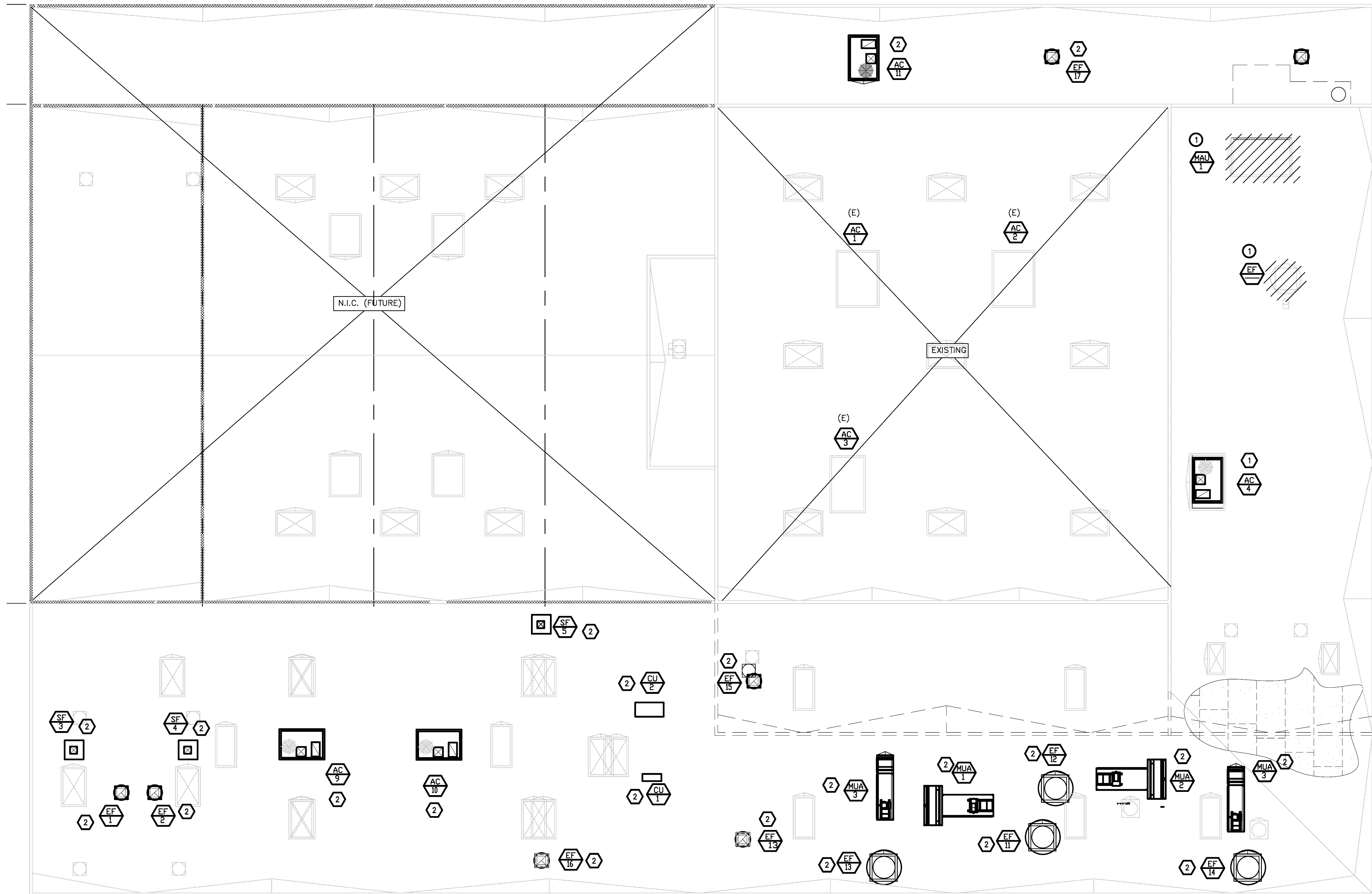
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DEMOLITION NOTES:

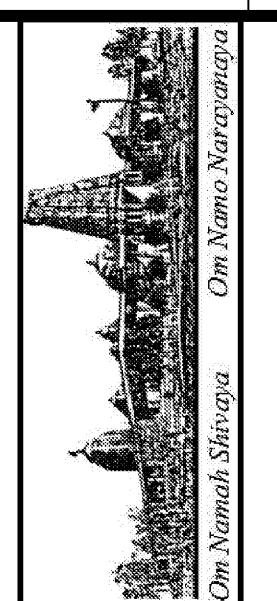
- ① REMOVE (E) MAKE-UP AIR UNIT AND EXHAUST FAN. SCHEDULE THE REMOVAL WITH CONSTRUCTION MANAGER. PATCH THE ROOF OPENINGS.

CONSTRUCTION NOTES:

- ① REMOVE (E) UNIT AND REPLACE WITH (N) UNIT AS SCHEDULED ON DWG. M0.1.
- ② INSTALL (N) UNIT AS SCHEDULED ON DWG. M0.1 AND M0.2. COORDINATE WITH PLUMBING PLANS FOR CONDENSATE DRAIN, NAT. GAS, DOM. WATER FOR MAKE-UP AIR (MAU) UNITS, ELECTRICAL PLANS FOR POWER AND STRUCTURAL/ARCHITECTURAL DWGS. FOR EXACT LOCATION.



2 MECHANICAL ROOF PLAN-DEMOLITION AND COSTRUCTION
M-1 SCALE: 1/8"=1'-0"



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MECHANICAL
 BUILDING B ROOF PLAN
 PHASE 1A

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