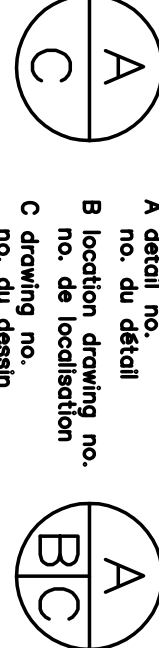


KWC ARCHITECTS INC.
PHONE (613) 238-2117
FAX (613) 238-5555
E-MAIL kwc@kwcarch.com



GOODKEY WEEDMARK & ASSOCIATES LIMITED
1658 Woodward Dr.
Ottawa Ontario
Canada K2C 3R8
613 727-5111 Voice
613 727-5115 Fax
www.gwaj.com Web
CVAL#2012-430

1	ISSUED FOR TENDER	2013.09.03
revision	description	date



**LOW RISE ELEVATOR
MODERNIZATION
PROJECT**

designed	compu
date	date
drawn	dessiné
date	date
revised	révisé
date	date
approved	approuvé
date	date
tender	soumission
PWC Project Manager	Administrateur de projets TPC
Project no.	no. du projet

drawing no.	no. du dessin
M1	OF 01

DEMOLITION WORK NOTES

- 1 REMOVE EXISTING UNIT HEATERS C/W PIPING, CONTROL WIRING AND ALL ACCESSORIES AS INDICATED.
- 2 REMOVE EXISTING EXHAUST FANS C/W CONTROLS AND ALL ACCESSORIES.

NEW WORK NOTES

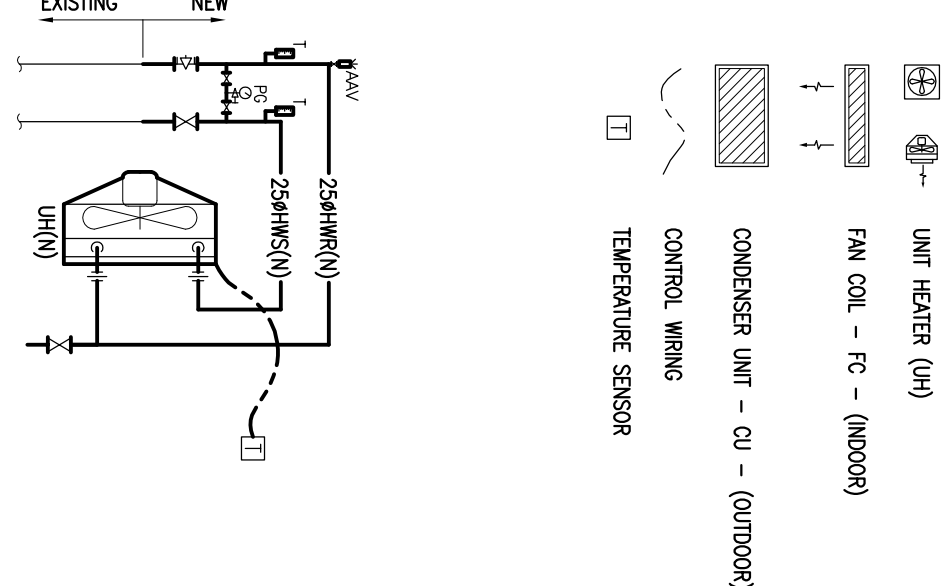
- 1 PROVIDE NEW UNIT HEATERS C/W ASSOCIATED PIPING, CONTROL WIRING AND ALL ACCESSORIES. UNIT HEATERS AND PIPING TO BE INSTALLED A MINIMUM OF 2150mm AFF.
- 2 PROVIDE NEW FAN COILS (FC1 & FC2) & OUTDOOR CONDENSER UNITS (CU1 & CU2) C/W ASSOCIATED PIPING, CONTROLS, AND ALL ACCESSORIES. FAN COILS TO BE INSTALLED A MINIMUM OF 2150mm AFF.

GENERAL LEGEND

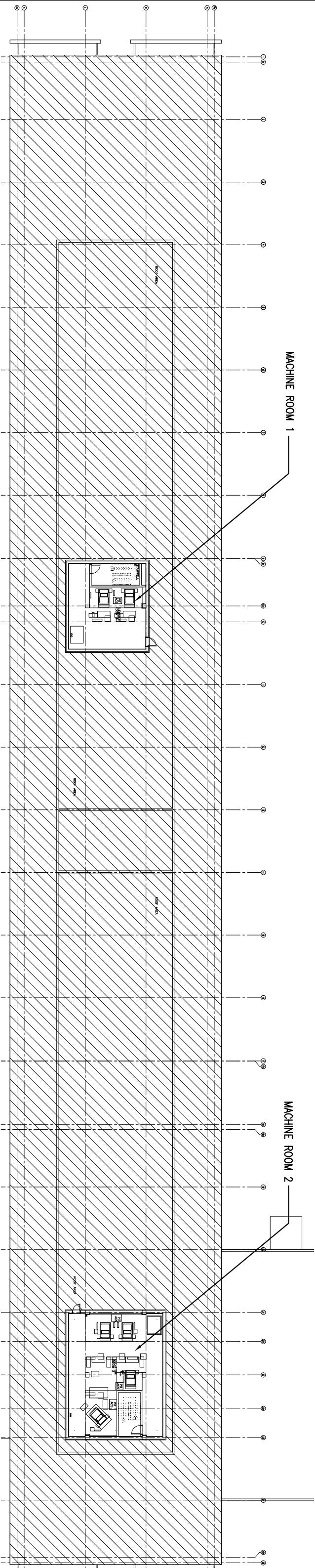
- EXISTING PIPING/DUCTWORK/EQUIPMENT
- EXISTING PIPING/DUCTWORK/EQUIPMENT TO BE REMOVED/RELOCATED
- NEW/RELOCATED PIPING/DUCTWORK/EQUIPMENT
- (E) DENOTES EXISTING EQUIPMENT
- (R) DENOTES RELOCATED EQUIPMENT
- (N) DENOTES NEW EQUIPMENT

PLUMBING & UTILITIES LEGEND

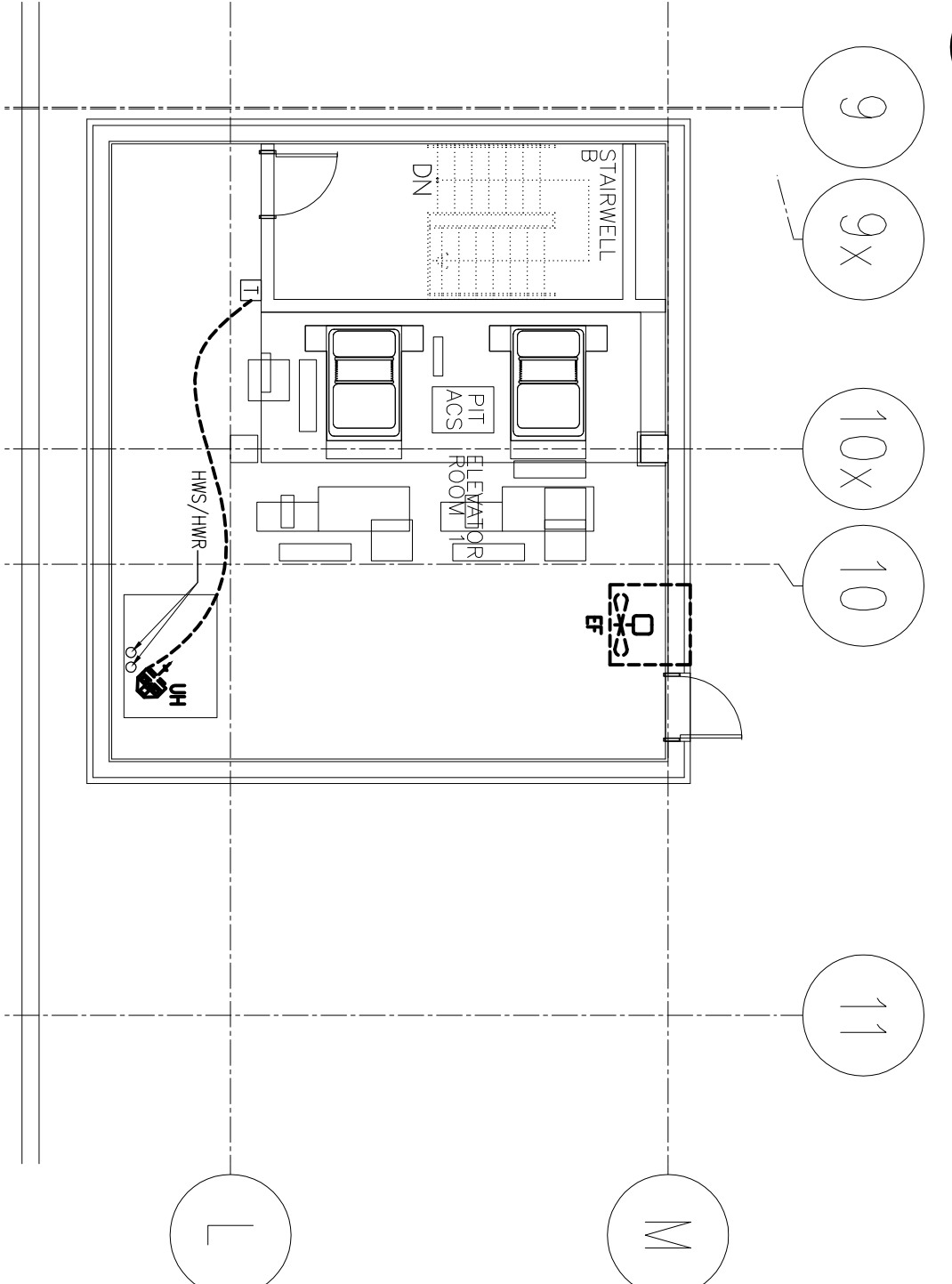
- HWS HEATING WATER SUPPLY
- HWR HEATING WATER RETURN
- REF REFRIGERANT PIPING
- COND CONDENSATE DRAIN
- TEMPERATURE SENSORS
- UNIT HEATER (UH)
- FAN COIL - FC - (INDOOR)
- CONDENSER UNIT - CU - (OUTDOOR)
- CONTROL WIRING
- TEMPERATURE SENSOR



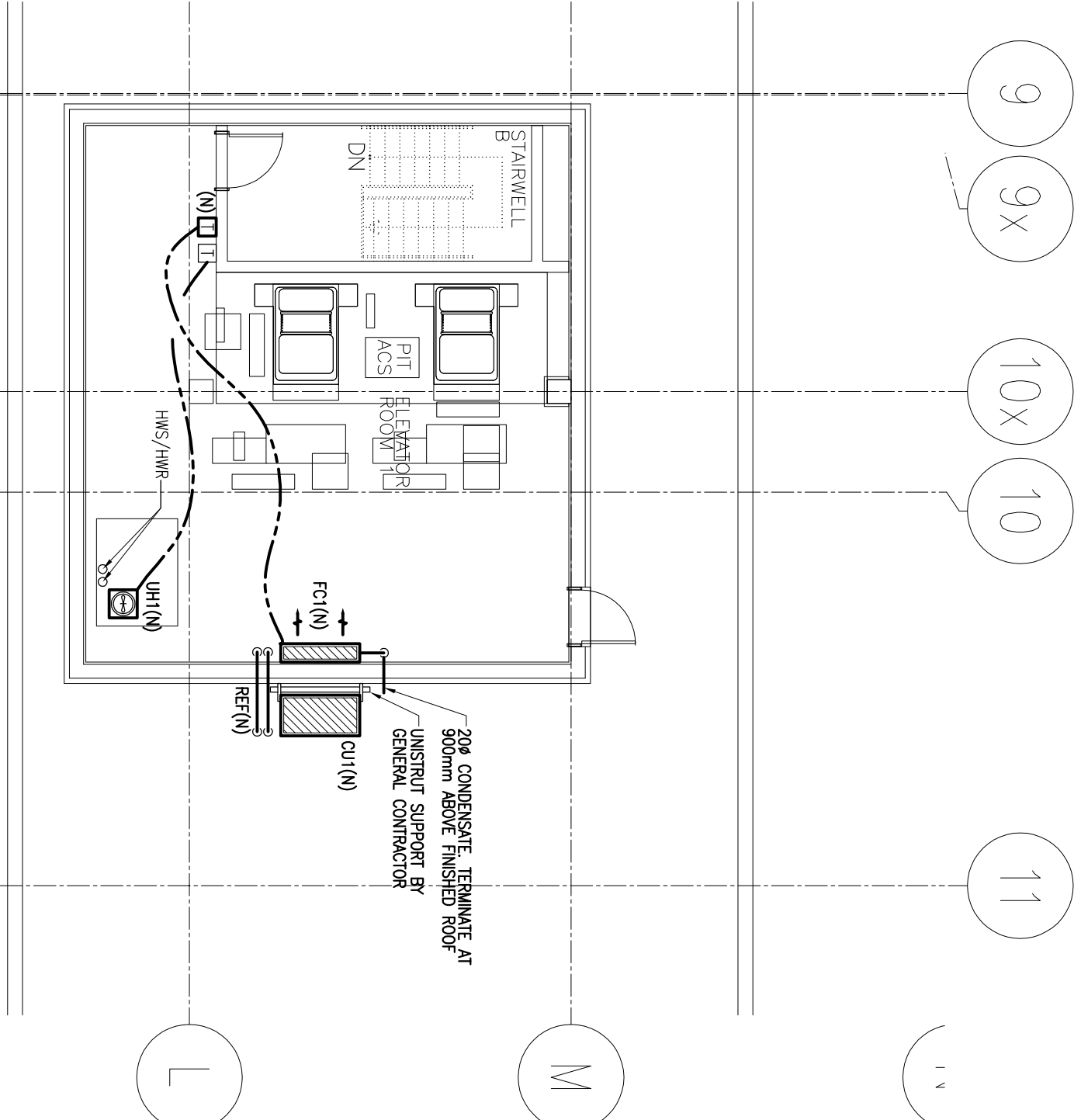
5 UNIT HEATER PIPING DETAIL
M1 NTS



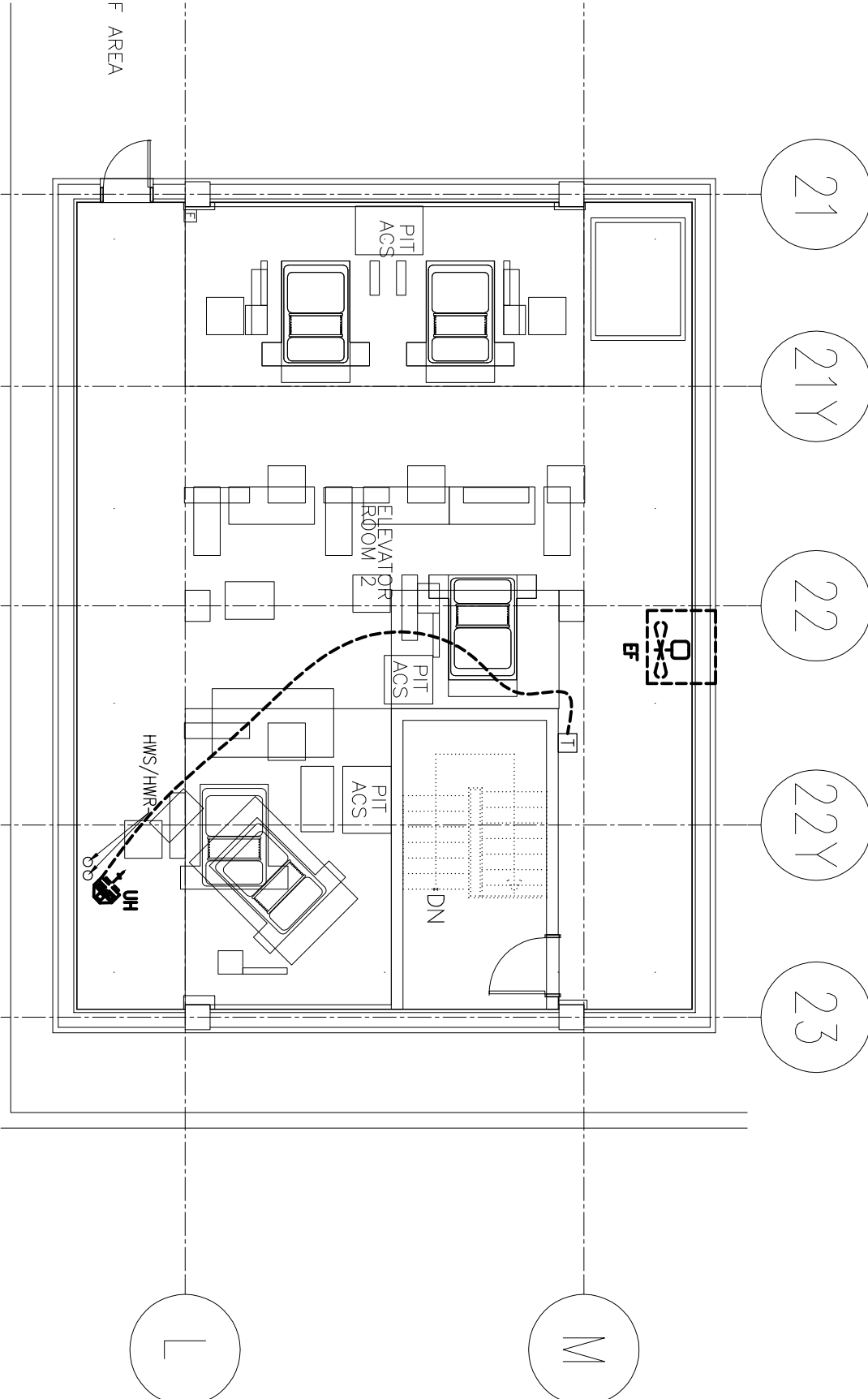
**SEVENTH FLOOR
KEY PLAN**
M1 1:400



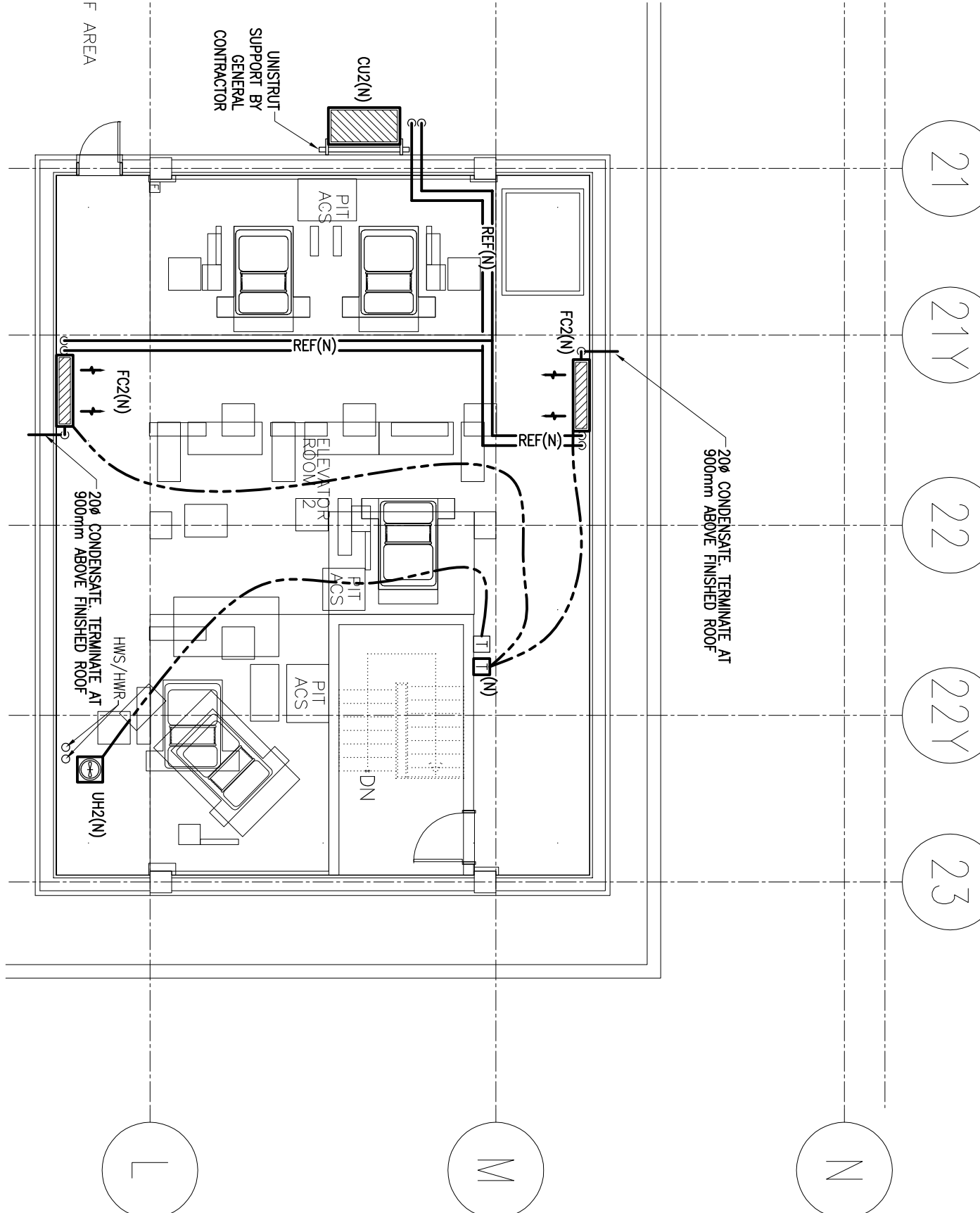
**SEVENTH FLOOR - MACHINE ROOM 1
HVAC & UTILITIES - DEMOLITION**
M1 1:100



**SEVENTH FLOOR - MACHINE ROOM 1
HVAC & UTILITIES - NEW**
M1 1:100



**SEVENTH FLOOR - MACHINE ROOM 2
HVAC & UTILITIES - DEMOLITION**
M1 1:100



**SEVENTH FLOOR - MACHINE ROOM 2
HVAC & UTILITIES - NEW**
M1 1:100

DX SPLIT AC UNIT SCHEDULE

UNIT NO.	LOCATION	EQUIPMENT DATA (INDOOR UNIT)				UNIT NO.	LOCATION	SYSTEM	Amb. Temp. (°C)	Capacity (kW)	ELECTRICAL DATA		REMARKS
		Capacity (kW)	Design Temp (DB/WB/CO)	V/PH/Hz	WCA/MOP						V/PH/Hz	kVA/MOP	
FC1	MACHINE ROOM 1	7.03	27/19	208/1/60	1/15	CU1	ROOF	FC1	35	7.03	208/1/60	18/25	-40°C LOW AMBIENT KIT.
FC2&2	MACHINE ROOM 2	7.03	27/19	208/1/60	37/15	CU2	ROOF	FC2	35	14.06	208/1/60	26/30	-40°C LOW AMBIENT KIT.

NOTES:
1. FOR DETAILS REFER TO SPECIFICATIONS.

UNIT HEATER SCHEDULE

UNIT NO.	LOCATION	AIR FLOW (L/s)	CAPACITY (kW)	WATER FLOW (L/s)	E.A.T. (°C)	E.W.T. (°C)	L.W.T. (°C)	HP	HP (V/PH/Hz)	CABINET ARRANGEMENTS	REMARKS
UH1	MACHINE ROOM 1	405	6.2	0.09	15.5	82.2	65.5	1/20	120/1/60	VERTICAL	C/W SPEED CONTROLLER
UH2	MACHINE ROOM 2	565	7.9	0.12	15.5	82.2	65.5	1/20	120/1/60	VERTICAL	C/W SPEED CONTROLLER

NOTES:
1. FOR DETAILS REFER TO SPECIFICATIONS.