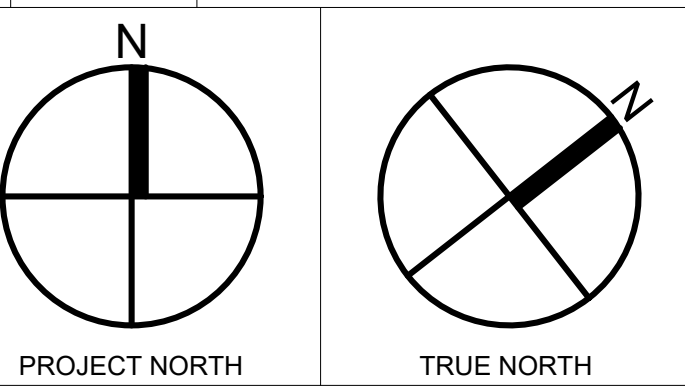


ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES



REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER



MECHANICAL DRAWING LIST	
SHEET NUMBER	SHEET TITLE
M-000	COVER PAGE
M-001	EQUIPMENT SCHEDULES I
M-002	EQUIPMENT SCHEDULES II
M-003	EQUIPMENT SCHEDULES III
M-004	DETAILS I
M-010	OVERALL KEY PLAN - GROUND FLOOR
M-011	OVERALL KEY PLAN - SECOND FLOOR
M-012	OVERALL KEY PLAN - ROOF
M-101	GROUND FLOOR DEMOLITION PLAN I
M-201	GROUND FLOOR NEW PLAN I
M-102	GROUND FLOOR DEMOLITION PLAN II
M-202	GROUND FLOOR NEW PLAN II
M-103	SECOND FLOOR DEMOLITION PLAN I
M-203	SECOND FLOOR NEW PLAN I
M-104	SECOND FLOOR DEMOLITION PLAN II
M-204	SECOND FLOOR NEW PLAN II
M-105	ROOF DEMOLITION PLAN I
M-205	ROOF NEW PLAN I
M-106	ROOF DEMOLITION PLAN II
M-206	ROOF NEW PLAN II
M-301	SECOND FLOOR MECHANICAL ROOMS 205, 214, 235, 235A, 235B
M-302	SECOND FLOOR MECHANICAL ROOM 229

ELECTRICAL DRAWING LIST	
SHEET NUMBER	SHEET TITLE
E-000	ELECTRICAL SYMBOLS, NOTES AND DETAILS
E-100	GROUND FLOOR - ELECTRICAL DEMOLITION PLAN
E-101	SECOND FLOOR - ELECTRICAL DEMOLITION PLAN
E-102	SECOND FLOOR MECHANICAL ROOMS - ELECTRICAL DEMOLITION PLANS
E-103	ROOF - ELECTRICAL DEMOLITION PLAN
E-200	GROUND FLOOR - ELECTRICAL NEW PLAN
E-201	SECOND FLOOR - ELECTRICAL NEW PLAN
E-202	SECOND FLOOR MECHANICAL ROOMS - ELECTRICAL NEW PLANS
E-203	ROOF - ELECTRICAL NEW PLAN
E-300	POWER RISER DIAGRAM AND PANEL SCHEDULES
E-301	ELECTRICAL FIRE ALARM SYSTEM RISER DIAGRAM

STARTER DESIGNATION	
SYMBOL	DESCRIPTION
FCM	FUSED COMBINATION MAGNETIC
CBM	CIRCUIT BREAKER COMBINATION MAGNETIC
SM	SURFACE MOUNTED MAGNETIC
SM	SURFACE MOUNTED MANUAL
RM	RECESS MOUNTED MANUAL
VFD	VARIABLE FREQUENCY DRIVE
CB	CIRCUIT BREAKER
HOA	HAND-OFF-AUTO SWITCH IN COVER
120CT	120V CONTROL TRANSFORMER
24CT	24V CONTROL TRANSFORMER
AU	AUXILIARY CONTACTS (NO, NC, NO/NC)
PL	PILOT LIGHT
S/S	START/STOP SELECTOR SWITCH

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
[Symbol]	INTERNAL DUCT INSULATION (25mm THICK)
[Symbol]	DUCT SILENCER
[Symbol]	SUPPLY AIR DIFFUSER/REGISTER
[Symbol]	RETURN/EXHAUST AIR DIFFUSER/REGISTER
[Symbol]	LOW VOLTAGE THERMOSTAT (G-GUARD)
[Symbol]	LINE VOLTAGE THERMOSTAT (G-GUARD)
[Symbol]	TEMPERATURE SENSOR (G-GUARD)
[Symbol]	FAN SPEED CONTROL
[Symbol]	MOTORIZED DAMPER
[Symbol]	GLOBE VALVE
[Symbol]	BUTTERFLY VALVE
[Symbol]	CHECK VALVE
[Symbol]	CIRCUIT BALANCING VALVE
[Symbol]	3 WAY MODULATING VALVE
[Symbol]	SOLENOID VALVE
[Symbol]	2 WAY MODULATING VALVE
[Symbol]	PRESSURE RELIEF VALVE
[Symbol]	RET COCK
[Symbol]	LINE STRAINER
[Symbol]	GATE VALVE
[Symbol]	BALL VALVE
[Symbol]	GAS PIPING
[Symbol]	HOT WATER SUPPLY
[Symbol]	HOT WATER RETURN
[Symbol]	GLYCOL SUPPLY
[Symbol]	GLYCOL RETURN
[Symbol]	PRESSURE GAUGE
[Symbol]	THERMOMETER
[Symbol]	COMBINATION FIRE/SMOKE DAMPER
[Symbol]	SMOKE DAMPER
[Symbol]	BALANCING DAMPER
[Symbol]	BACKDRAFT DAMPER
[Symbol]	ABOVE FINISHED FLOOR
[Symbol]	COMPLETE WITH
[Symbol]	UNDER CUT
[Symbol]	SUPPLY AIR
[Symbol]	RETURN AIR
[Symbol]	EXHAUST AIR
[Symbol]	FRESH AIR
[Symbol]	INTAKE AIR

Project Title

ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

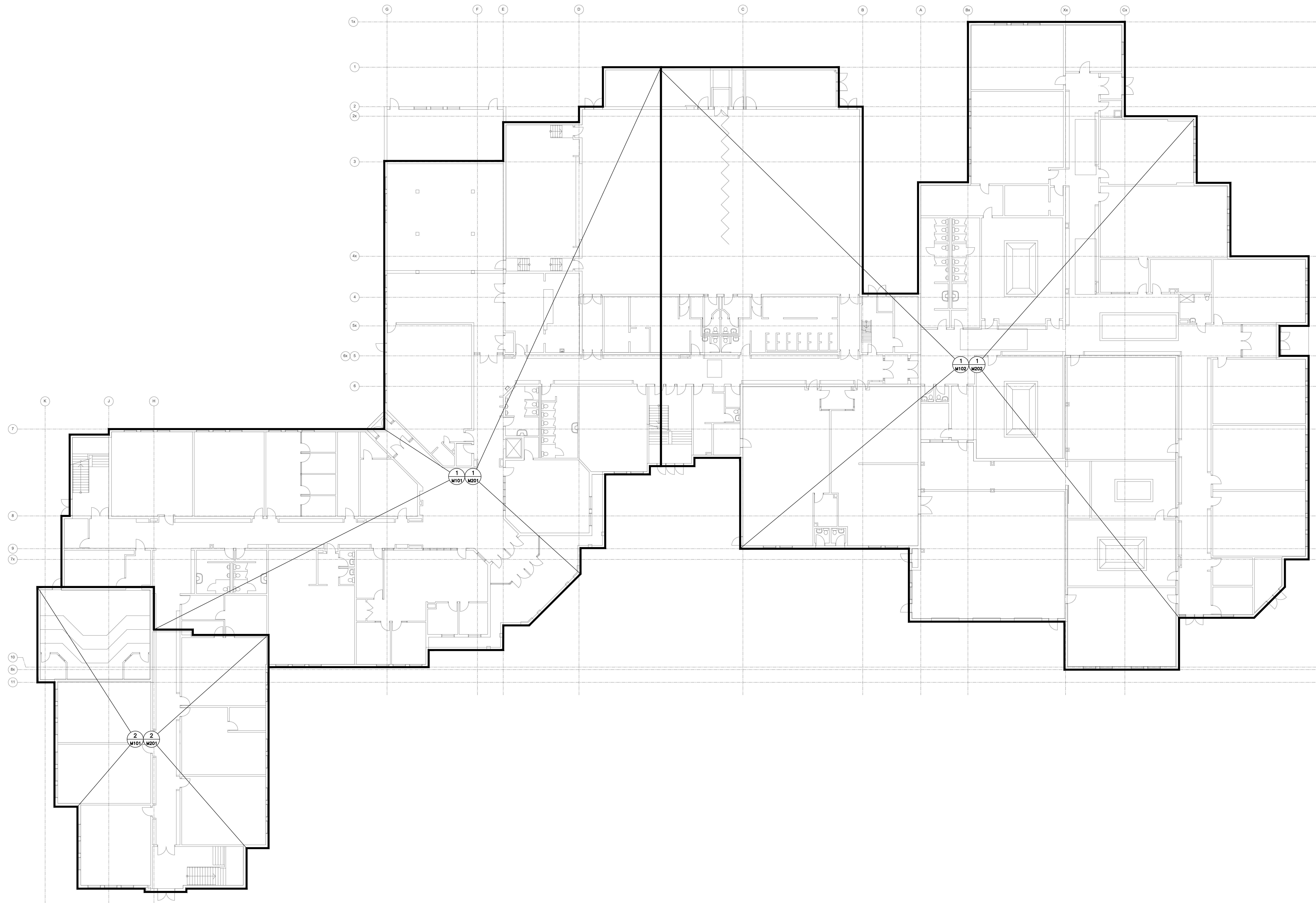
80 MANDRAKE ST.
AJAX ON L1S 5H4

Sheet Title

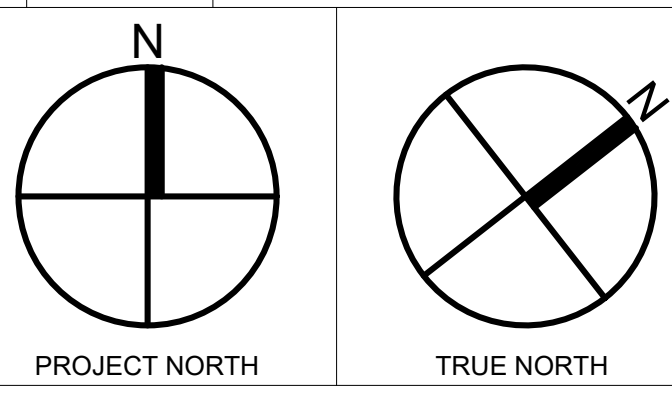
MECHANICAL OVERALL KEY PLAN

Project Number 25119
 Date APR. 2026
 Drawn M.Z.
 Checked R.S.
 Scale N.T.S.
 Drawing Number

M-000



REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER



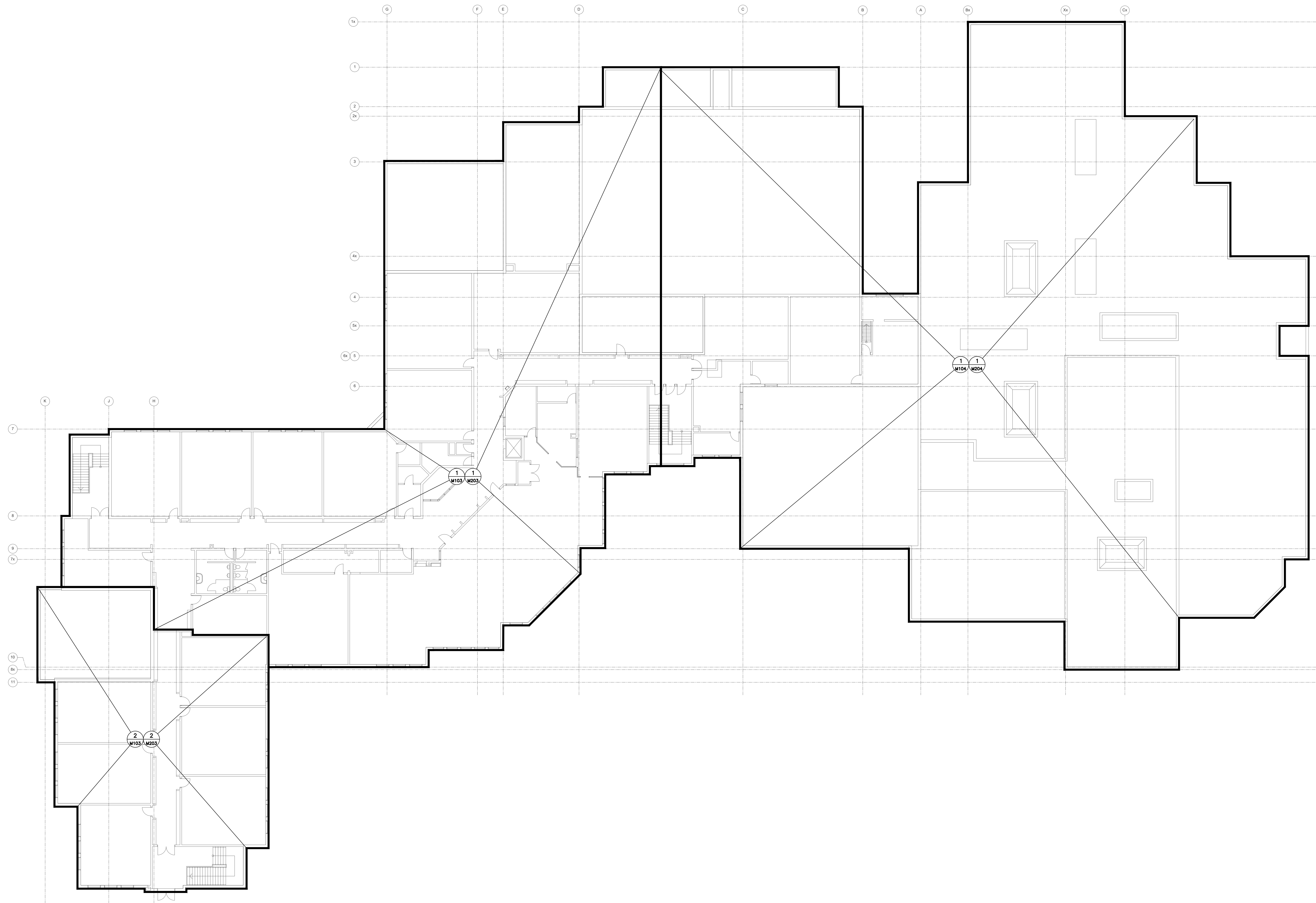
Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON L1S 5H4

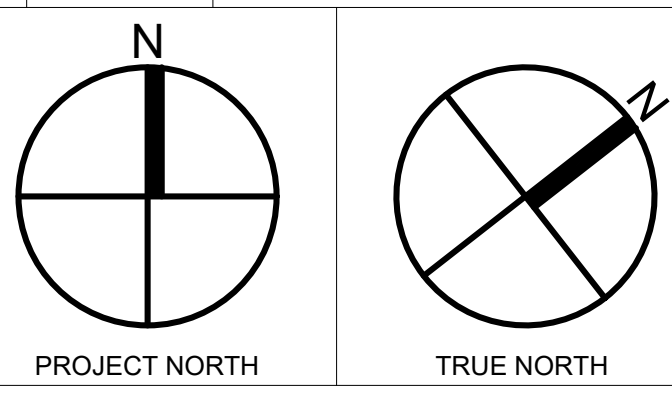
Sheet Title
MECHANICAL OVERALL KEY PLAN GROUND FLOOR

Project Number 25119
 Date APR. 2026
 Drawn M.Z.
 Checked R.S.
 Scale 1:150
 Drawing Number

M-010



REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER



Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
MECHANICAL OVERALL KEY PLAN SECOND FLOOR

Project Number	25119
Date	APR. 2026
Drawn	M.Z.
Checked	R.S.
Scale	1:150
Drawing Number	

M-011

ROOF TOP UNIT UNIT SCHEDULE (PRE-PURCHASED EQUIPMENT)

UNIT				DX HEATING CAPACITY				DX COOLING CAPACITY				50% OA ERV (WHEEL)				HEATING COIL				ELECTRICAL				PHYSICAL DIMENSIONS								REMARKS	
UNIT NO.	AREA SERVED	MANUFACTURER	MODEL NO.	S/A	E.S.P.	SENSIBLE		TOTAL		SENSIBLE		O/A	E/A	RECOVERED CAPACITY [BTUH]		HEATING	FLUID	FLOW	VOLTAGE	PHASE	FREQUENCY	MCA	MOP	DEPTH		WIDTH		HEIGHT		WEIGHT			
				CFM	INWC	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	CFM	CFM	SUMMER	WINTER	BTUH		GPM	V	Hz	A	A	mm	IN	mm	IN	mm	IN		KG
RTU-1	1990 ADDITION NORTHWEST CLASSROOMS	DAIKEN	DPSH15B	5,000	2	48.21	164,500	49.61	169,430	39.36	134,416	2,500	2,500	82,621	186,229	97,380	40% PG	10.5	575	3	60	41.7	60	3,089	121.6	1,864	73.4	2,182	85.9	1,444	3,177	1, 2, 3, 4, 5, 6	
RTU-2	1990 ADDITION NORTHEAST CLASSROOMS	DAIKEN	DPSH16B	6800	2	21	72,655	58	199,161	50	169,782	3,400	3,400	100,818	226,829	181,886	40% PG	12	575	3	60	45.5	60	5,652	222.5	1,943	76.5	1,831	72.1	2,141	4,711	1, 2, 3, 4, 5, 6	
RTU-3	1990 ADDITION INTERIOR CLASSROOMS	DAIKEN	DPSH25B	9200	2	74	252,930	82	279,459	69	236,345	4,600	4,600	101,214	226,889	246,170	40% PG	16	575	3	60	60.0	70	5,652	222.5	1,943	76.5	1,831	72.1	2,340	5,149	1, 2, 3, 4, 5, 6	
RTU-7	AUTOSHOP	DAIKEN	DAH407A	3000	0.5	-	-	-	-	-	-	-	-	-	-	243,000	NGAS	225 CFH	208	3	60	13.5	20	2,311	91	1,471	58	1,443	57	661	1,454	1	
RTU-8	WOODSHOP	DAIKEN	DAH407A	3000	0.5	-	-	-	-	-	-	-	-	-	-	243,000	NGAS	225 CFH	208	3	60	13.5	20	2,311	91	1,471	58	1,443	57	661	1,454	1	

NOTES:
 1. MERV 13 FILTERS
 2. HOT GAS REHEAT COIL
 3. DIRECT DRIVE FAN
 4. GLYCOL HEATING COIL
 5. FACTORY INSTALLED SENSORS: LEAVING COIL, ENTERING FAN TEMPERATURE SENSOR, DUCT HIGH LIMIT SWITCH, RETURN AIR TEMPERATURE SENSOR, DISCHARGE AIR TEMP., OAT SENSOR, DIRTY FILTER ON/OFF, AIR PROOVING, BUILDING STATIC PRESSURE, SUPPLY WHEEL LAT AND EAT, RETURN AIR RH% ENERGY WHEEL VFD.
 6. R32 REFRIGERANT

CONDENSING UNIT SCHEDULE (PRE-PURCHASED EQUIPMENT)

UNIT REF.	MANUFACTURER	MODEL No.	NOMINAL CAPACITY [BTUH]	COND. TEMP. °C	POWER [KW]	ELECTRICAL			PHYSICAL DIMENSIONS										REMARKS
						V / PH / HZ	MCA	MROPD	DEPTH		WIDTH		HEIGHT		WEIGHT				
						A	A	A	mm	IN	mm	IN	mm	IN	mm	IN	KG	lbs	
CU-1	DAIKEN	RCS100D	1021755	-	100	575 / 3 / 60	153.0	175	2,616	103.0	2,515	99.0	2,464	97.0	1,710	3761.0	1, 2, 3,		
CU-2	DAIKEN	RCS025D	289124	-	25	575 / 3 / 60	39.3	50	1,473	58.0	2,515	99.0	1,410	55.5	842	1853.0	1, 2, 3,		
CU-3	DAIKEN	RCS050D	596814	-	47.5	575 / 3 / 60	75.8	90	2,032	80.0	2,515	99.0	1,854	73.0	1,113	2449.0	1, 2, 3,		
CU-4	DAIKEN	RXYQ120AATJB	119000	-	-	575 / 3 / 60	37	40	1,237	49	765	30	1,664	66	310	683	1, 2, 3, 4		

NOTES:
 1. FIELD OUTLET SERVICE CONNECTION 120/20A
 2. REFRIGERANT TYPE: 410A
 3. BUILD-IN HAIL PROTECTION
 4. UNIT TO BE PROVIDED WITH VRY CONTROL AND EXPANSION VALVE BOX EKEV400-SK

COIL SCHEDULE (PRE-PURCHASED EQUIPMENT)

UNIT				AIR TEMPERATURES				DX COOLING CAPACITY				HEATING COIL				PHYSICAL DIMENSIONS								REMARKS				
UNIT NO.	LOCATION	AREA SERVED	MANUFACTURER	MODEL NO.	S/A	S.P.	DB / WB [F]		TOTAL		SENSIBLE		HEATING	FLUID	FLOW	EWT	LWT	PD	DEPTH		WIDTH		HEIGHT		WEIGHT			
					CFM	INWC	EAT	LAT	KW	MBH	KW	MBH	[BTUH]		GPM	[F]	[F]	FTH20	mm	IN	mm	IN	mm		IN	mm	IN	KG
AHU-3 CC	MECH. ROOM [205]	CLASSROOMS	DAIKEN	5EJ0908B	11760	1.19	82 / 70	54.9 / 53.9					-	-	-					314	12.4	1,651	65.0	1,219	48.0	275	606.0	1, 2, 3, 4, 5
AHU-4 CC	MECH. ROOM [214]	LEVEL 1 MAIN OFFICE	DAIKEN		2600								-	-	-					0	0		0	0	0	0	0	1, 2, 3, 4, 5

NOTES:
 1. SUPPLY FAN VFD
 2. UNIT TO BE FULLY BROKEN DOWN TO BE CARRIED THROUGH A SINGLE DOOR ACCESS TO MECHANICAL ROOM
 3. MIXING BOX BY SHEETMETAL CONTRACTOR. TO BE CONNECT TO TOP END OF AHU
 4. MERV 13 FILTERS
 5. REFRIGERANT TYPE: 410A

AIR HANDLING UNIT SCHEDULE (PRE-PURCHASED EQUIPMENT)

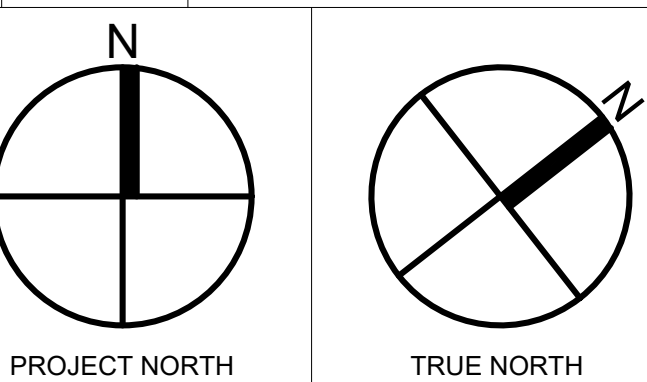
UNIT										HYDRONIC HEATING COIL										REMARKS													
UNIT NO.	LOCATION	AREA SERVED	MANUFACTURER	MODEL NO.	S/A	FAN	E.S.P.	REF.	EAT	LAT	TOTAL		SENSIBLE		HEATING	FLUID	#	EAT / LAT	FLOW		Dp	V / PH / HZ	MCA	MOP	DEPTH		WIDTH		HEIGHT		WEIGHT		
					CFM	HP	INWC	TYPE	DB / WB	DB / WB	KW	BTUH	MBH	BTUH	EWT / LWT	TYPE	ROWS	[F]	GPM		FTHD	A	A	mm	IN	mm	IN	mm	IN	mm	IN	KG	lbs
AHU-1	ROOM 229	CLASSROOMS	DAIKEN	CAH059GDHM	29000	20	2	5EJ1204C	R410a	78 / 65	55 / 54	284	970,640	194	661,740	170 / 150	40% PG	2	34 / 62	65		600 / 3 / 60	43.6	60	4,826	190.0	2,946	116.0	2,337	92.0	3,274	7203.0	NOTES: 1, 2, 3
AHU-2	ROOM 229	GYMNASIUM AND STAGE	DAIKEN	CAH020GDGM	8500	7.5	2	5EJ0806B	R410a	76 / 65	54.5 / 53	89	304,711	58	199,527	170 / 150	40% PG	2	34 / 90	36		600 / 3 / 60			3,251	128.0	1,930	76.0	1,372	54.0	1,152	2535.0	NOTES: 1, 2, 3

NOTES:
 1. SUPPLY FAN VFD
 2. UNIT TO BE FULLY BROKEN DOWN TO BE CARRIED THROUGH A SINGLE DOOR ACCESS TO MECHANICAL ROOM
 3. MERV 13 FILTERS

HEAT RECLAIM UNIT SCHEDULE (PRE-PURCHASED EQUIPMENT)

UNIT										SUMMER WHEEL PERFORMANCE										HEAT RECLAIM WHEEL PERFORMANCE										REMARKS			
UNIT REF.	EQUIP. SERVING	UNIT SIZE	AIR VOLUME	EXT. ST. PRESS	FAN	MOTOR	STARTER	FILTER TYPE	SOUND POWER (MAX)			AIR VOLUME	EXT. ST. PRESS	FAN	MOTOR	STARTER	FILTER TYPE	SOUND POWER (MAX)			E.A.T.		L.A.T.		TOTAL COOLING	AIR PRESS. DROP	EXHAUST AIR CONDITION		FRESH AIR CONDITION		MINIMUM FINAL WINTER SUPPLY AIR TEMPERATURE		
			L/S	Pa	RPM	KW			1	2	3	L/S	Pa	RPM	KW			1	2	3	DB°C	WB°C	DB°C	WB°C	KW	Pa	WINTER (ENT)	SUMMER (ENT)	WINTER (ENT)		SUMMER (ENT)		
ERV-1	AHU-1		6844				VFD								VFD																		
ERV-2	AHU-2		3162.4				VFD								VFD																		

REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER



Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
MECHANICAL EQUIPMENT SCHEDULES I (PRE-PURCHASED EQUIPMENT)

Project Number	25119
Date	APR. 2026
Drawn	M.Z
Checked	R.S
Scale	NTS
Drawing Number	

M-001

FAN SCHEDULE

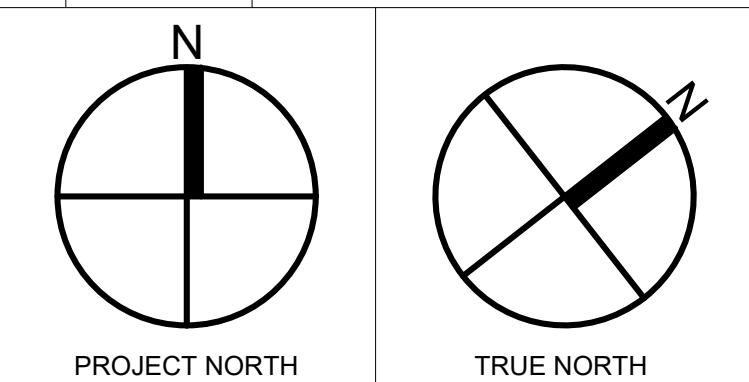
NEW TAG	EX. UNIT REF.	LOCATION	SERVING	FAN DUTY	MANUFACTURER	MODEL NO.	AIR VOLUME		TOTAL S.P.	FAN RPM	MOTOR	POWER	STARTER	CONTROLS	NOTES
							L/S	Pa.							
EF-01	EX EF-01	ROOF	EB-107/109/208/210 (WF01/WM01) WASHROOMS		PENN BARRY	DX121SGP	490	12.4		582	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS COMMAND	
EF-02	EX EF-18	ROOF	EB-212 (R205) CHEMISTRY LAB	ROOF MOUNTED UPBLAST	PENN BARRY	FX131Q1GP	708	62.2		1,001	0.33	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EF-03	EX EF-21	ROOF	EB-215 (R208) CLASSROOM	ROOF MOUNTED UPBLAST	PENN BARRY	FX16Q2GP	566	62.2		837	0.25	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EF-04	EX EF-02	ROOF	EB-133/135 (WM05/WF05) WASHROOMS	ROOF MOUNTED UPBLAST	PENN BARRY	FX16Q2GP	283	12.4		445	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS COMMAND	
EF-05	EX EF-03	ROOF	EB-137 (R116) SCIENCE CLASSROOM	ROOF MOUNTED UPBLAST	PENN BARRY		0	0.0					SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EF-06	SPARE	-													
EF-07	SPARE	-													
EF-08	EX EF-04	ROOF	EB-137 (R116) SCIENCE CLASSROOM	ROOF MOUNTED UPBLAST	PENN BARRY	FX16Q2GP	807	62.2		1,183	0.50	115/1/60			
EF-09	EX EF-02	ROOF	EB-141 (R118) SCIENCE CLASSROOM	ROOF MOUNTED UPBLAST	PENN BARRY	FX16Q2GP	600	74.7		960	0.33	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EF-10	EX EF-01	ROOF	EB-141 (R118) SCIENCE CLASSROOM	ROOF MOUNTED UPBLAST	PENN BARRY		0	0.0							
EF-11	EX EF-11	ROOF	EB-150 (R111) WELDING SHOP	FREE STANDING CENTRIFUGAL	PENN BARRY	VCR-SWSI-BI 122	540	490.2		1,958	0.75	575/3/60	SMM, HOA, 24CT, AU, PL	LOCAL SWITCH, BAS MONITORING	
EF-12	EX EF-28	ROOF	EB-122/124 (WM02/WF02) WASHROOMS	ROOF MOUNTED UPBLAST	PENN BARRY	FX131Q1GP	1,038	124.4		1,454	0.75	115/1/60	SMM, HOA, 24CT, AU, PL	BAS COMMAND	
EF-13	EX EF-26	ROOF	EB-121 (R108) FOOD SERVICES ROOM	UTILITY VENT SET	PENN BARRY	UVS1-100-100 B	378	186.6		1,985	0.50	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EF-14	EX EF-23	ROOF	ELEVATOR MACHINE ROOM	ROOF MOUNTED UPBLAST	PENN BARRY	FX161VGP	1,416	99.5		877	0.49	115/1/60	SMM, HOA, 24CT, AU, PL	BAS TEMPERATURE CONTROL	
EF-15	EX EF-12	ROOF	EB-150 (R115) AUTOSHOP	INDUSTRIAL AND MATERIAL HANDLING FAN	PENN BARRY	IND 7-61 AH15	472	995.4		2,613	1.50	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EF-16	EX EF-11	ROOF	EB-150 (R115) AUTOSHOP	FREE STANDING CENTRIFUGAL	PENN BARRY	VCR-SWSI-BI 105	500	164.2		2,525	0.66	575/3/60	SMM, HOA, 24CT, AU, PL	LOCAL SWITCH, BAS MONITORING	
EF-17	EX EF-22	ROOF	EB-212 (R205) CHEMISTRY LAB	CHEMISTRY FUME HOOD	AIR CARE INC	NVB-125							INTERLOCK WITH HOOD SWITCH (BY DIV. 26)	LOCAL SWITCH	
EF-18	EX EF-20	ROOF	EB-212 (R205) CHEMISTRY LAB	POWERED EXHAUSTER	JENN AIR	182 8CR	63								
EF-21	EX EF-22		EB-212 (R205) CHEMISTRY LAB	CHEMISTRY FUME HOOD	AIR CARE INC	NVB-125							INTERLOCK WITH HOOD SWITCH (BY DIV. 26)	LOCAL SWITCH	
EF-22	EX EF-X		EB-212A (WK01) PREPROOM/BIO. LAB	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX060 - 0041GP	62	62.2		1,395	0.17	115/1/60			
EF-23	EX EF-17	INLINE EXHAUSTER	EB-217 (S001) ACADEMIC STORAGE	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX060 - 0041GP	62	62.2		1,395	0.17	115/1/60			CEILING HUNG
EF-24	EX EF-24	INLINE EXHAUSTER	EB-217A (EL01) ELECTRICAL ROOM	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX150 - 0841GP	378	10.0		608	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS TEMP CONTROL	CEILING HUNG
EF-25	EX EF-15	INLINE EXHAUSTER	EB-215A (S002)	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX060 - 0041GP	62	62.2		1,395	0.17	115/1/60			
EF-26	EX EF-14	INLINE EXHAUSTER	EB-219 (CS01) CUSTODIAL STORAGE	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX060 - 0041GP	62	62.2		1,395	0.17	115/1/60			CEILING HUNG
EF-27	EX EF-16		EB-221 (CS02) CUSTODIAL SLOP ROOM	CEILING/INLINE DUCT MOUNTET CABINET	PENN BARRY	Z3H-SC	47	12.4		1,539	0.05	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EF-28	EX EF-25	MECH ROOM 229	EB-129A/D (CRF1/CRM1) GIRLS/BOYS CHANGE ROOMS	UTILITY VENT SET	PENN BARRY	UVS1 182-100 B	873	24.9		538	0.33	575/3/60	SMM, HOA, 24CT, AU, PL	BAS COMMAND	
EF-29	EX EF-X	BOILER ROOM 235A	EB-235A (MEC4)	GENERAL EXHAUST									SMM, HOA, 24CT, AU, PL	BAS TEMPERATURE CONTROL	
EF-30	EX EF-X	MECHANICAL ROOM 235	EB-235 (MEC6)	GENERAL EXHAUST									SMM, HOA, 24CT, AU, PL	BAS TEMPERATURE CONTROL	
EF-61	EX EF-01		EB-115A (R135A) KILN ROOM	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX150 - 0841GP	378	10.0		608	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EF-62	EX EF-02	KITCHEN RANGE	EB-105 (STAF) STAFFROOM	-	-	-	-	-	-	-	-	-	-	-	-
EF-63	EX EF-04		EB-105A/B (WM06/WF06) STAFF WASHROOMS	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX070 - 0041GP	106	99.5		1,456	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EF-64	SPARE														
EF-65	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EF-66	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EF-67	EX EF-X		EB-127 (CAFS) KITCHEN												
EF-68	EX EF-19		EB-127 (CAFS) KITCHEN	UTILITY VENT SET	PENN BARRY	UVS1-135-100 B	1,086	380.7		2,231	2.00	575/3/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	INTERLOCK WITH MAU SCHEDULE
EF-69	EX EF-05	EB-136	EB-136 (WM03) FIELD USE WASHROOM	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX060 - 0041GP	62	62.2		1,395	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE + BAS TEMPERATURE CONTROL	CEILING MOUNTED
EF-70	EX EF-06	EB-138	EB-138 (WF03) FIELD USE WASHROOM	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX060 - 0041GP	62	62.2		1,395	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE + BAS TEMPERATURE CONTROL	CEILING MOUNTED
EF-71	EX EF-27	WELING SHOP [140]	EB-150 (R115) WELDING SHOP	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX135 - 0541GP	308	124.4		1,221	0.13	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	INTERLOCK WITH SF-1
EF-72	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EF-73	EX EF-13		EB-132 (S003) SLOP ROOM	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX060 - 0041GP	62	62.2		1,395	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	CEILING MOUNTED
EF-74	EX EF-12		EB-128A (WR01) CUSTODIAL OFFICE WASHROOM	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX060 - 0041GP	62	62.2		1,395	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	CEILING MOUNTED
EF-75	EX EF-						0	0.0							
EF-76	EX EF-07	EB-129E (GMS1) GYM STORAGE	GENERAL EXHAUST	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX122 - 0541GP	362	62.2		1,400	0.33	115/1/60	SMM, HOA, 24CT, AU, PL	BAS TEMP CONTROL	
EF-77	EX EF-08	EB-129F (S011) GYM STORAGE	GENERAL EXHAUST	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX122 - 0541GP	362	62.2		1,400	0.33	115/1/60	SMM, HOA, 24CT, AU, PL	BAS TEMP CONTROL	
EF-78	EX EF-09	EB-131 (CS03) RECYCLING ROOM		DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX080 - 0041GP	182	62.2		1,550	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS TEMP CONTROL	BAS TO CONTROL EF-78, OUTSIDE DAMPER AND UNIT HEATER.
EF-79	EX EF-10	EB-131B (EL02) ELECTRICAL ROOM		DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX122 - 0841GP	526	92.1		1,646	0.50	115/1/60	SMM, HOA, 24CT, AU, PL	BAS TEMP CONTROL	BAS TO CONTROL EF-79 AND OUTSIDE AIR DAMPER
EF-80	EX EF-04		EB-144/146 (WM04/WF04) WASHROOMS	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX080 - 0041GP	71	62.2		1,496	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS COMMAND	
EF-81	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EF-82	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EF-83	EX EF-09		EB-139 (S009) PREP ROOM	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX070 - 0041GP	142	62.2		1,489	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EF-84	EX EF-X		EB-155 (WU01) WASHROOM	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX060 - 0041GP	62	62.2		1,395	0.17	115/1/60	SM, PL	LOCAL SWITCH	
EF-85	EX EF-X	-	EB-149 (R122) LIFE SKILLS ROOM	-	-	-	-	-	-	-	-	-	-	-	-
EF-86	EX EF-07		EB-147 (CS02)SLOP ROOM	DUCT MOUNTED SQUARE CENTRIFUGAL INLINE	PENN BARRY	SQX080 - 0041GP	38	62.2		1,164	0.17	115/1/60	SMM, HOA, 24CT, AU, PL	BAS ENABLE	
EX SF-1	EX SF-1	FINISHING ROOM [134B]		CABINET INLINE	GREENHECK	SOB-12-4	118								
RF-1	EX RF-1	MECHANICAL ROOM [229]	CLASSROOMS	TYPE Q								600 / 3 / 60			
RF-2	EX RF-2	MECHANICAL ROOM [229]	GYM RETURN	TYPE Q								600 / 3 / 60			
	EX EF-05	ROOF	EB-152 (R117) CLASSROOM	CENTRIFUGAL DIRECT DRIVE ROOF EXHAUSTER	PENN	AW20		83 KPA						DEMO	DEMO FAN
	EX EF-06	ROOF	EB-152 (R117) CLASSROOM	CENTRIFUGAL DIRECT DRIVE ROOF EXHAUSTER	PENN	AB10		83 KPA						DEMO	DEMO FAN
	EX EF-X	PREP ROOM 212A	EB-212A (WK01) PREPROOM/BIO. LAB	LAB EXHAUST										DEMO	DEMO FAN
	EX EF-11		EB-114A (S001) STORAGE (INSTRUMENTS)											DEMO	DEMO FAN
	EX EF-03	EB-128 (CS01) CUSTODIAL OFFICE	DEMO											DEMO	DEMO FAN
	EX EF-02		EB-139 (S009) OR EB-141(R118)?											DEMO	DEMO FAN
	EX EF-08		EB-139 (S009) PREP ROOM					6,424						DEMO	DEMO FAN

PROJECT OWNER



REVISIONS/SUBMISSIONS

No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER



Project Title

ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST. AJAX ON L1S 5H4

Sheet Title

MECHANICAL EQUIPMENT SCHEDULES II

Project Number 25119

Date APR. 2026

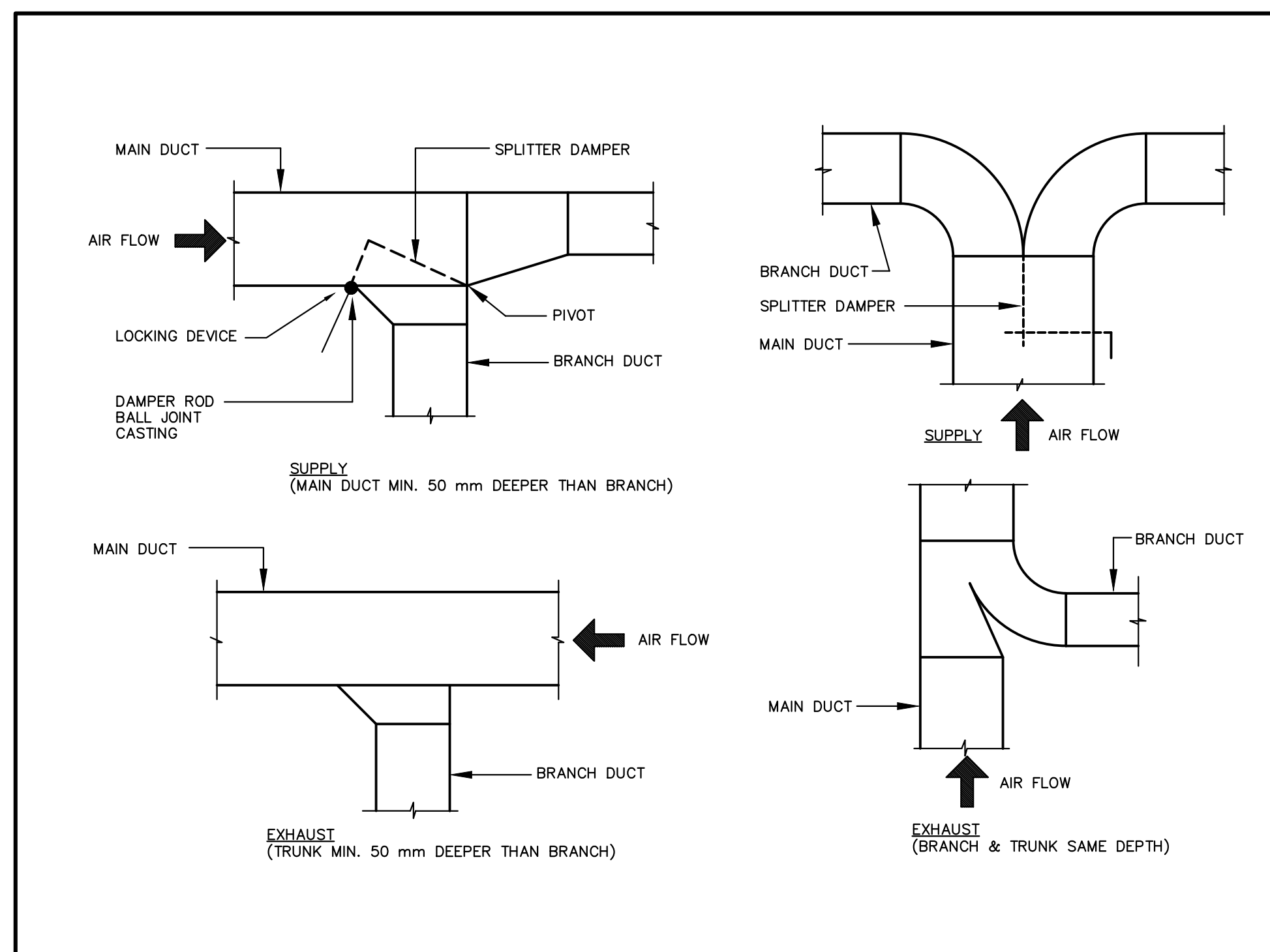
Drawn M.Z

Checked R.S

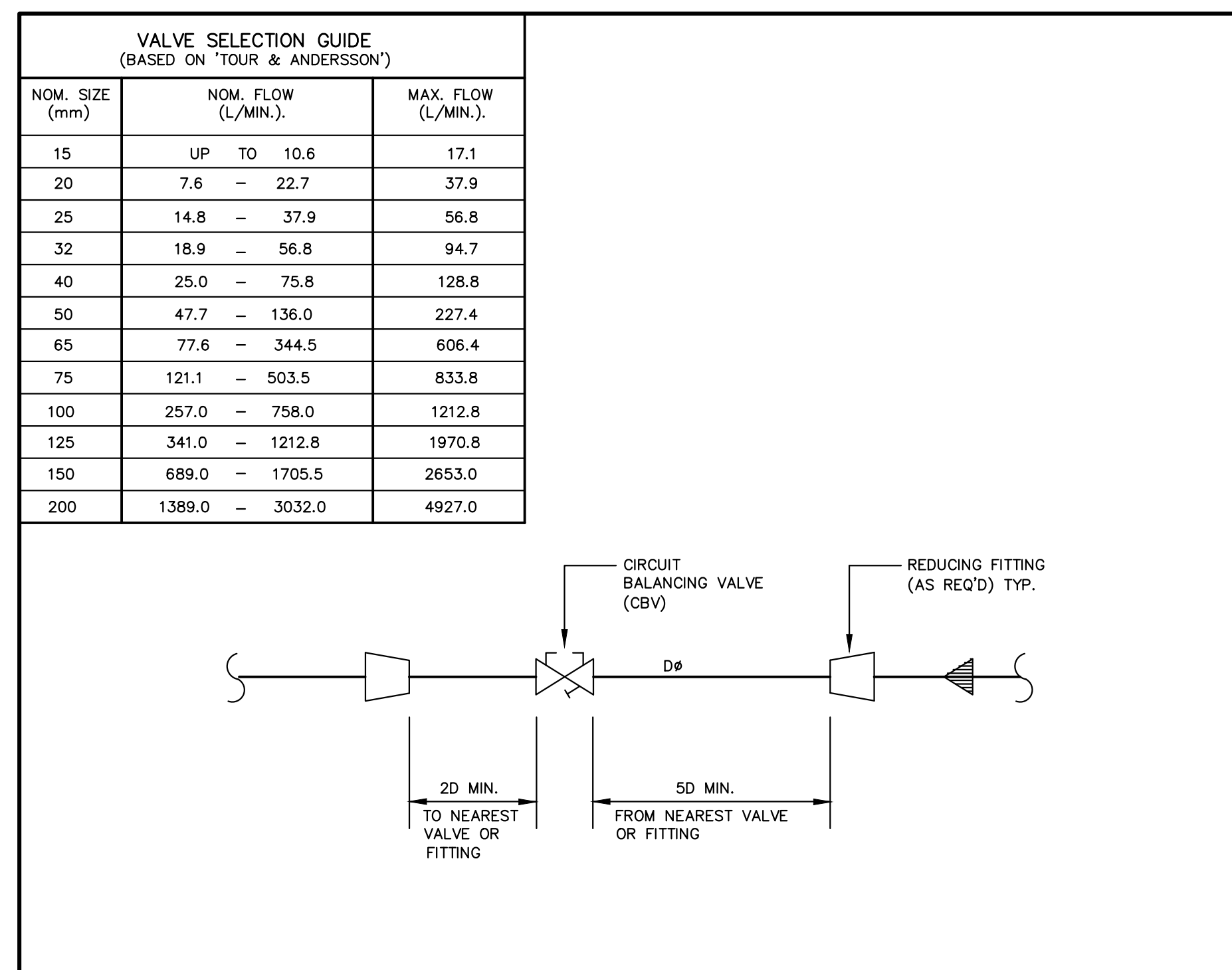
Scale NTS

Drawing Number

M-002



4 TYPICAL DUCT FITTING DETAILS
 M004 N.T.S.



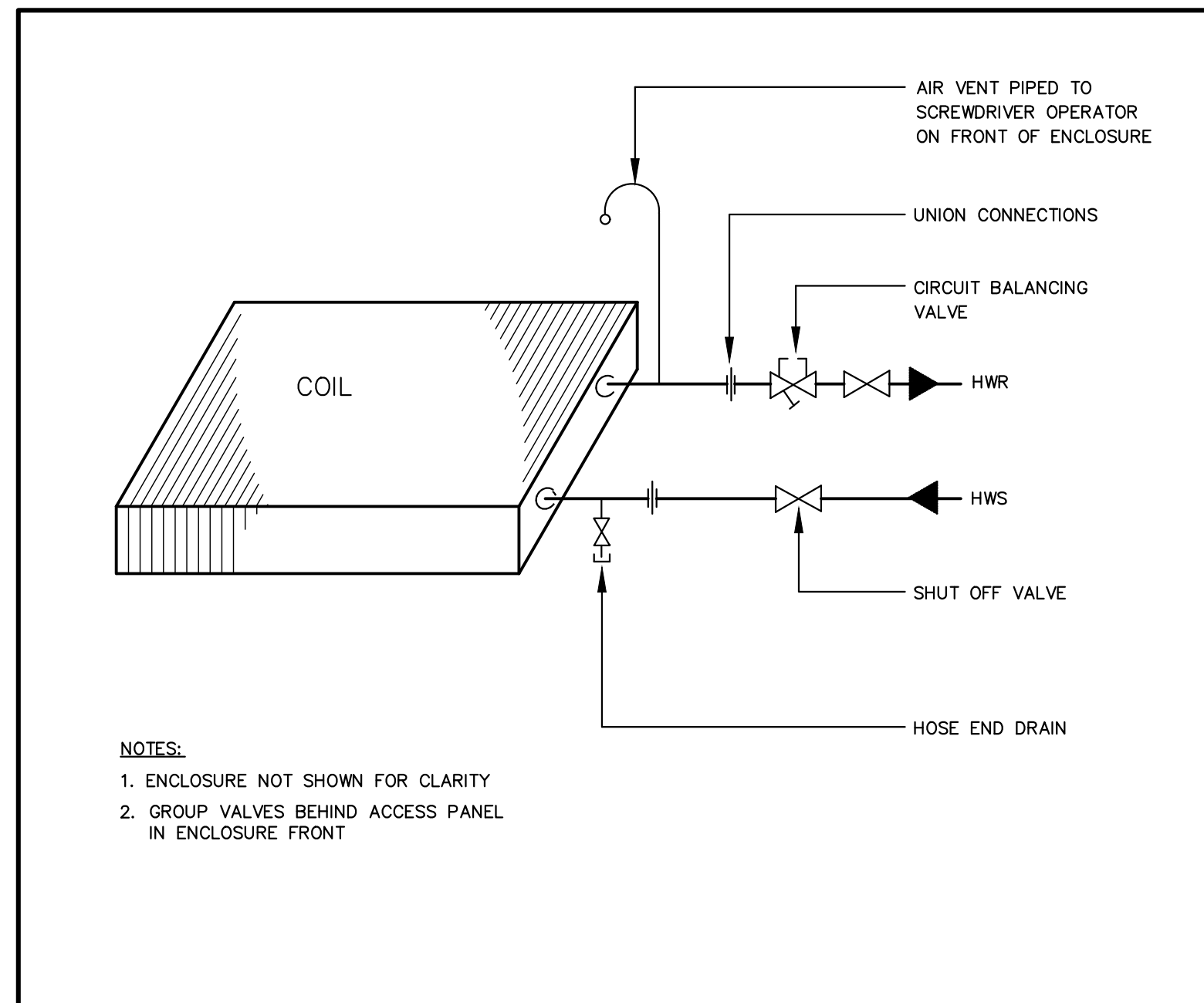
3 TYPICAL CIRCUIT BALANCING VALVE DETAIL
 M004 N.T.S.



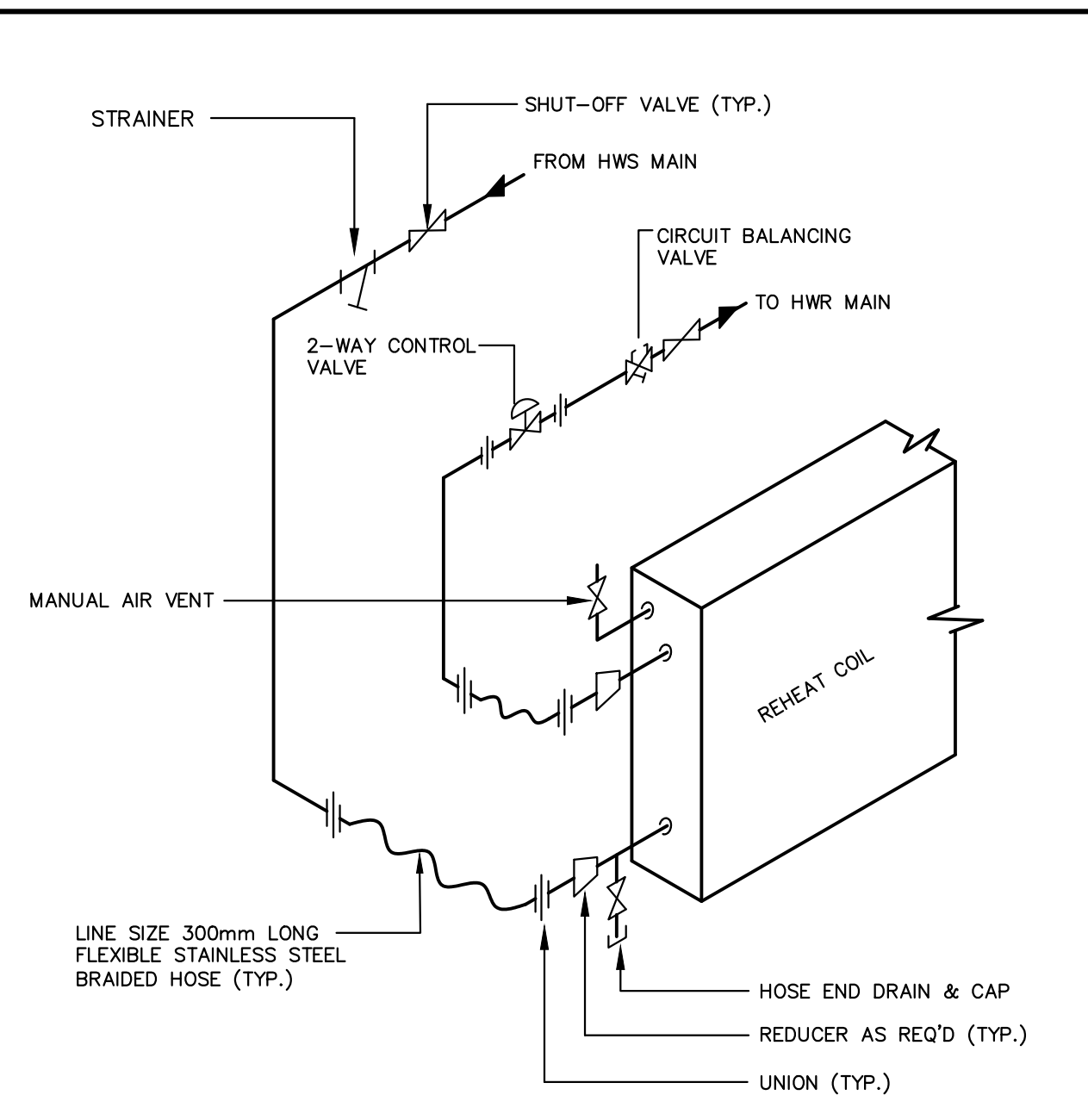
2 TYPICAL ROUND DUCT TAKE-OFF DETAIL
 M004 N.T.S.



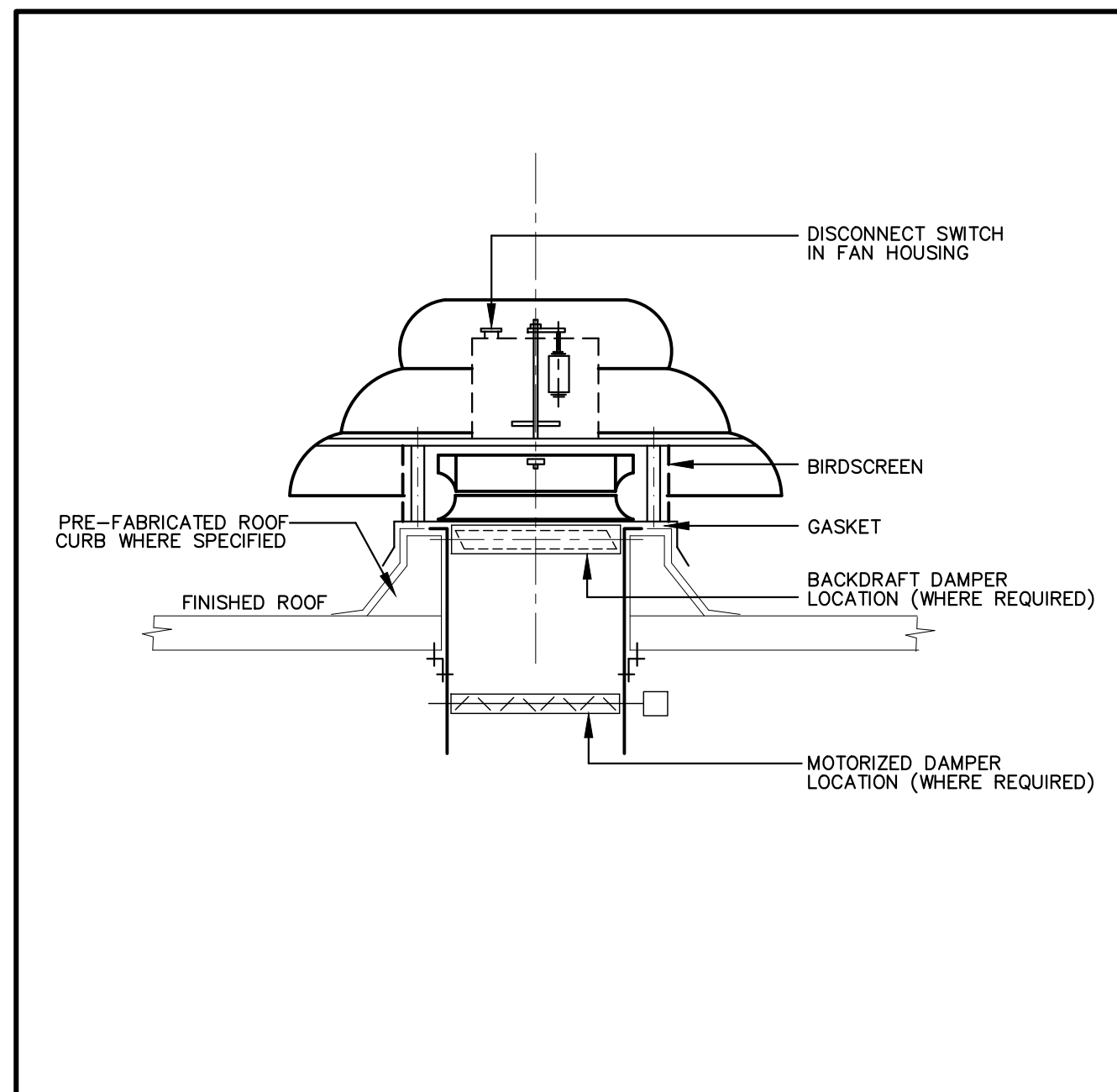
1 TYPICAL GOOSENECK DETAIL
 M004 N.T.S.



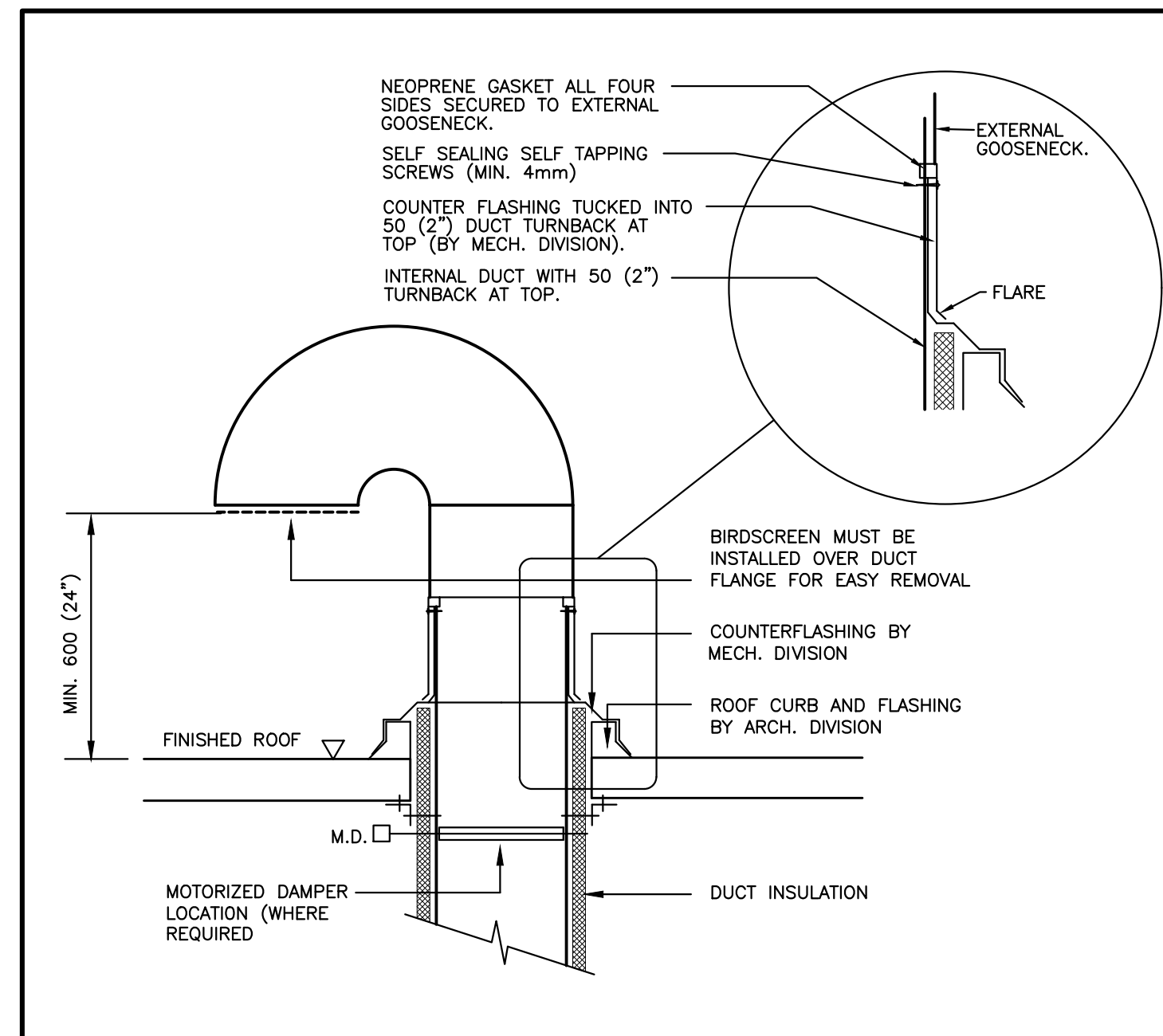
9 CABINET HEATER PIPING DETAIL
 M004 N.T.S.



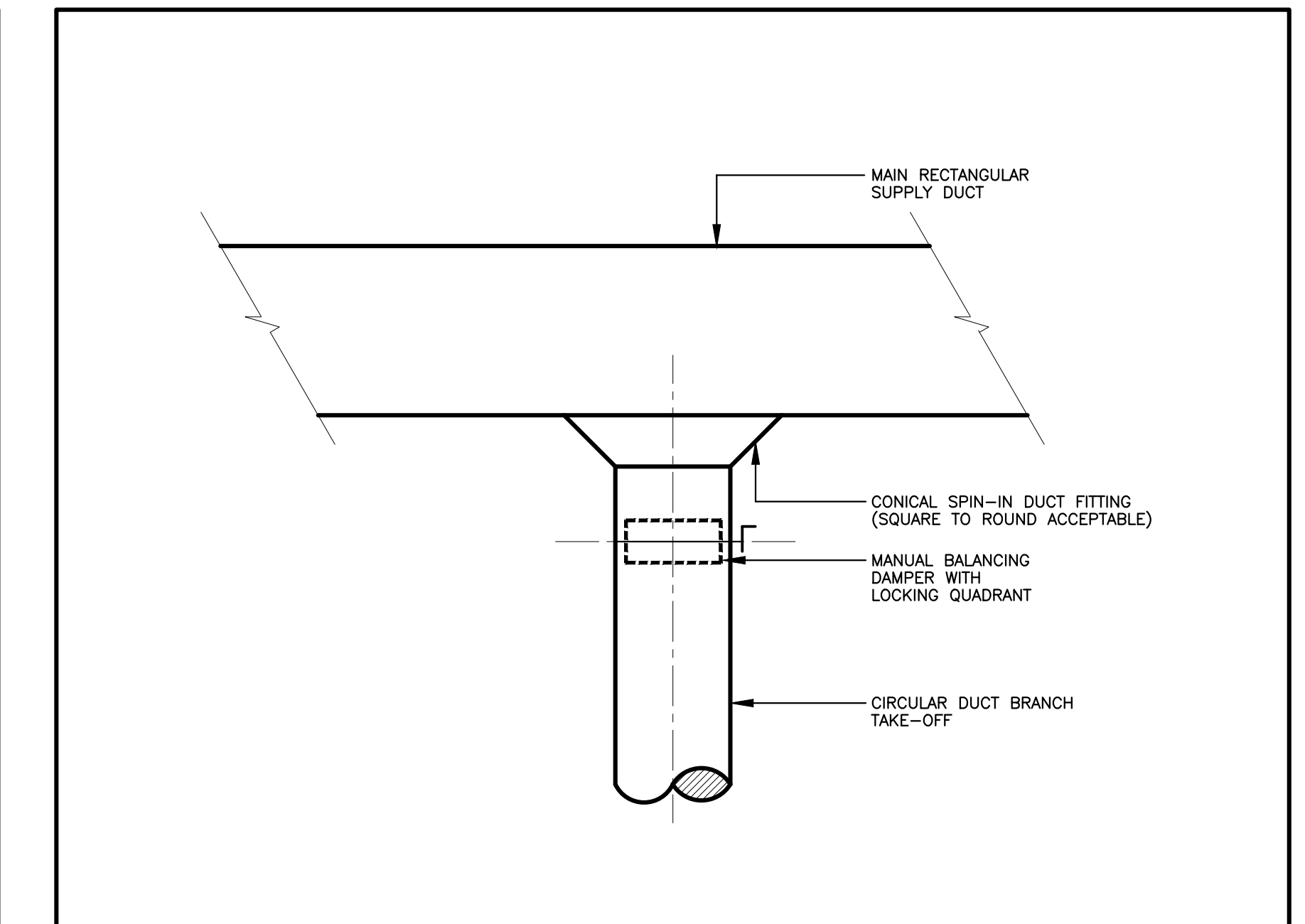
8 TYPICAL REHEAT COIL PIPING HOOK-UP
 M004 N.T.S.



7 DETAIL OF ROOF MOUNTED EXHAUST FAN
 M004 N.T.S.



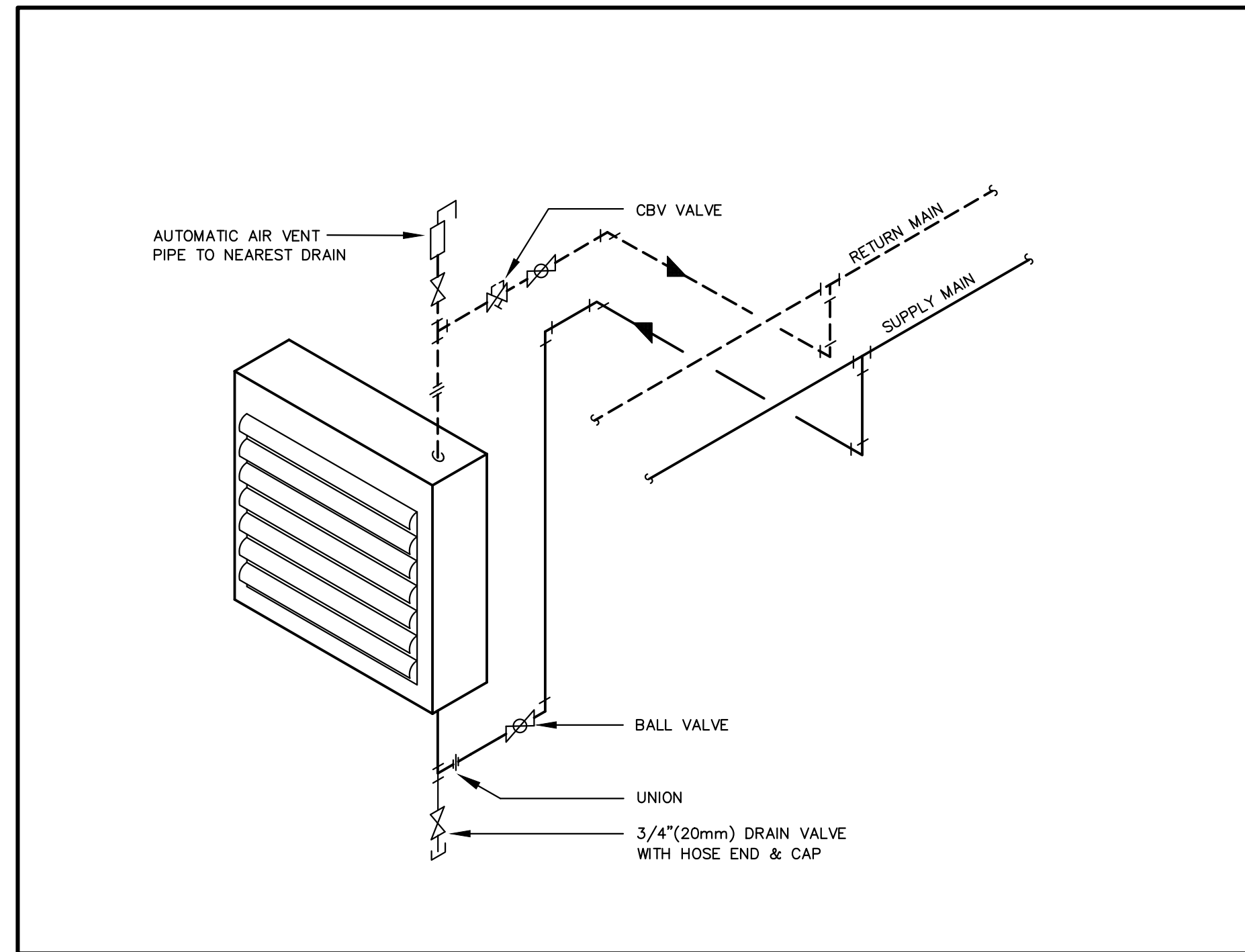
6 GOOSENECK DETAIL
 M004 N.T.S.



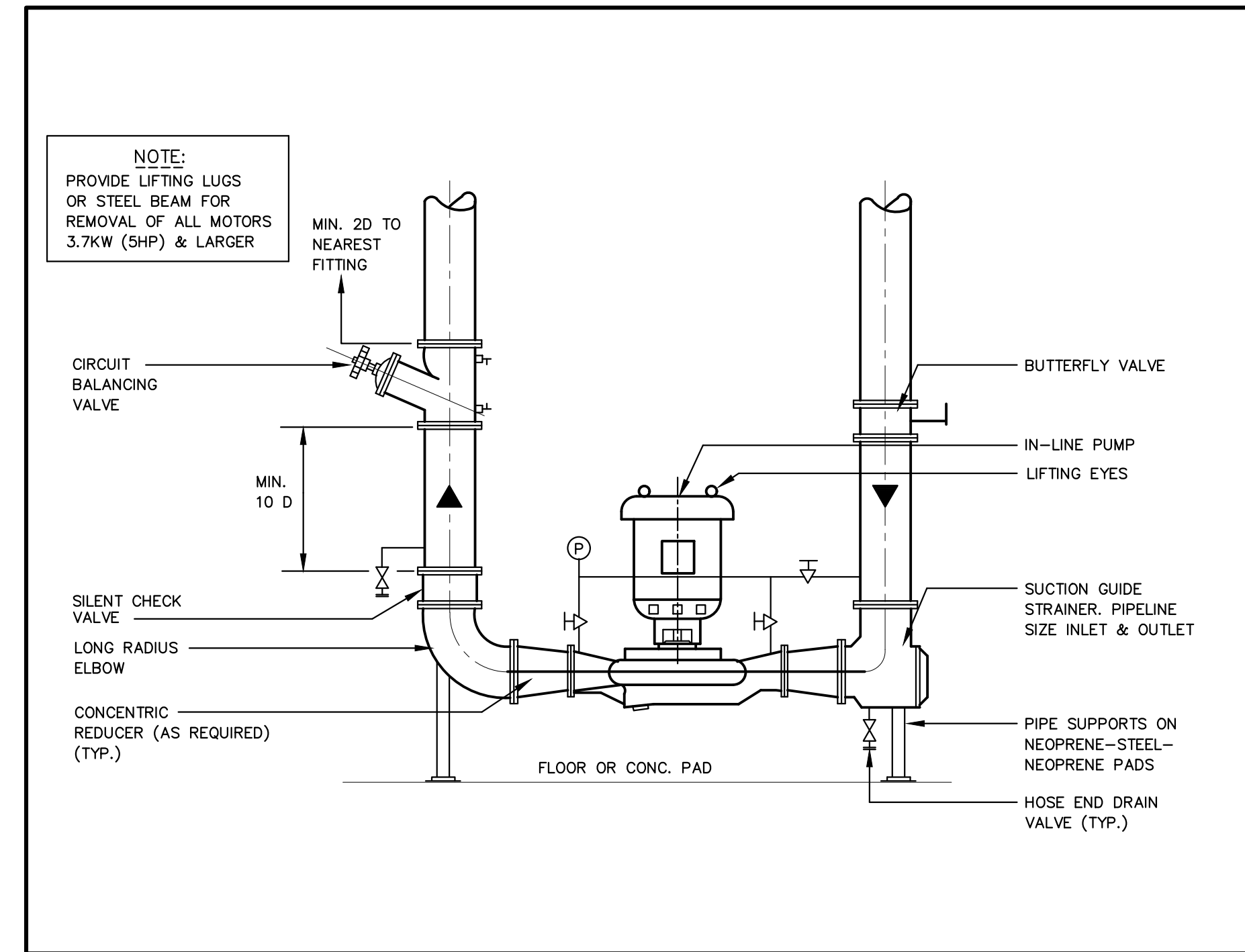
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 M004 N.T.S.



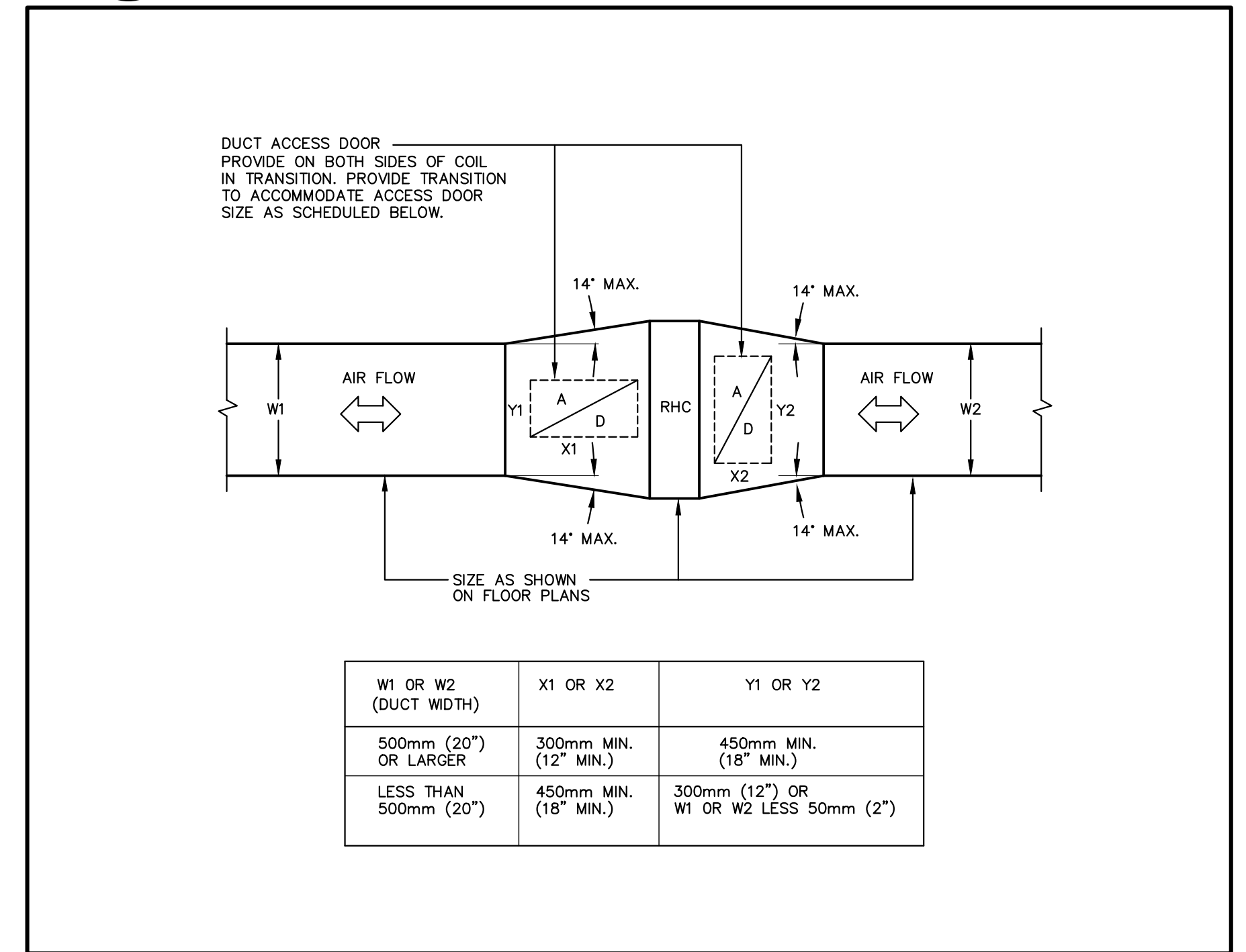
13 TYPICAL FLOOR MOUNTED IN-LINE PUMP DETAIL
 M004 N.T.S.



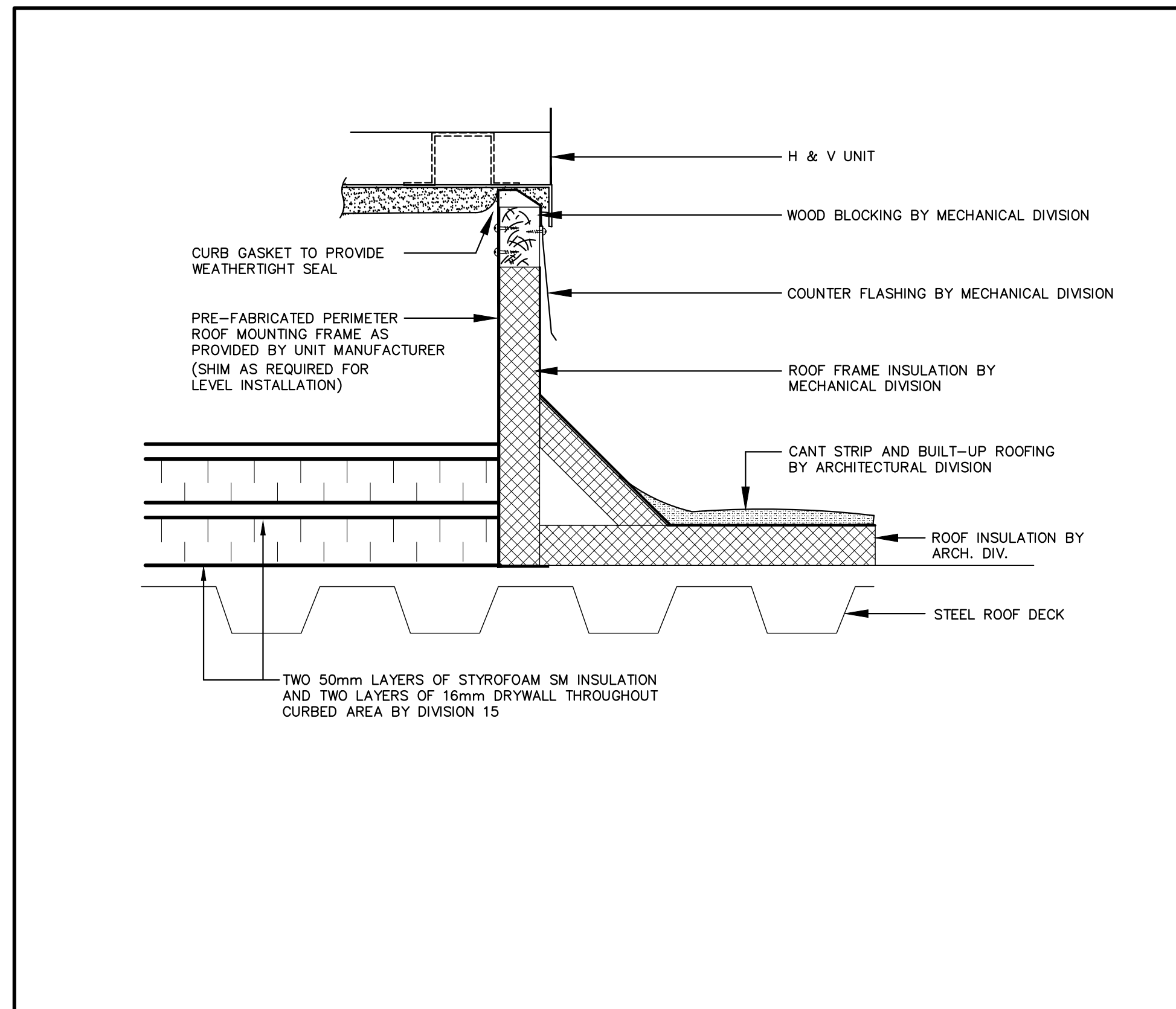
12 HOT WATER HORIZONTAL UNIT HEATER
 M004 N.T.S.



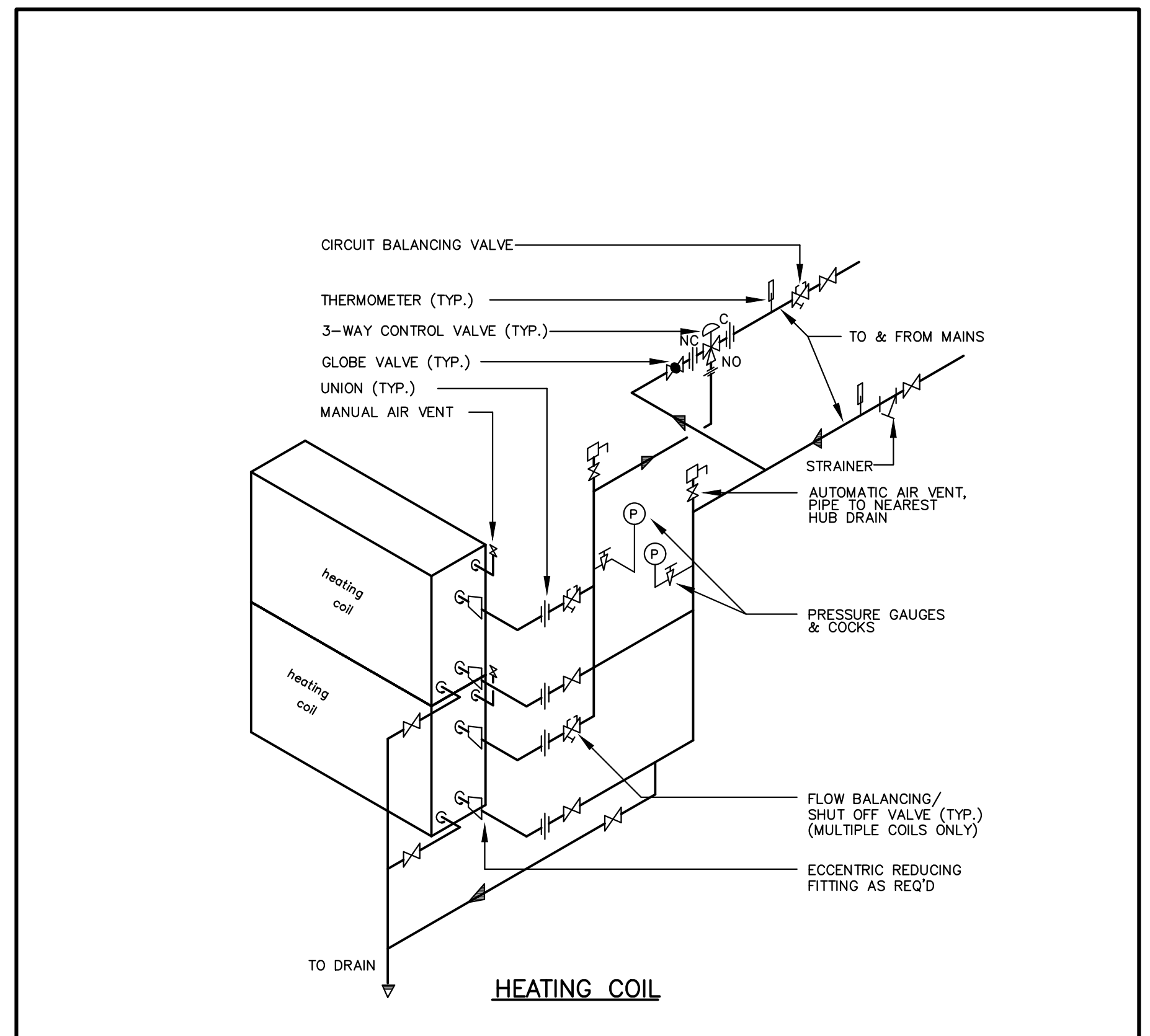
11 TYPICAL FLOOR MOUNTED IN-LINE PUMP DETAIL
 M004 N.T.S.



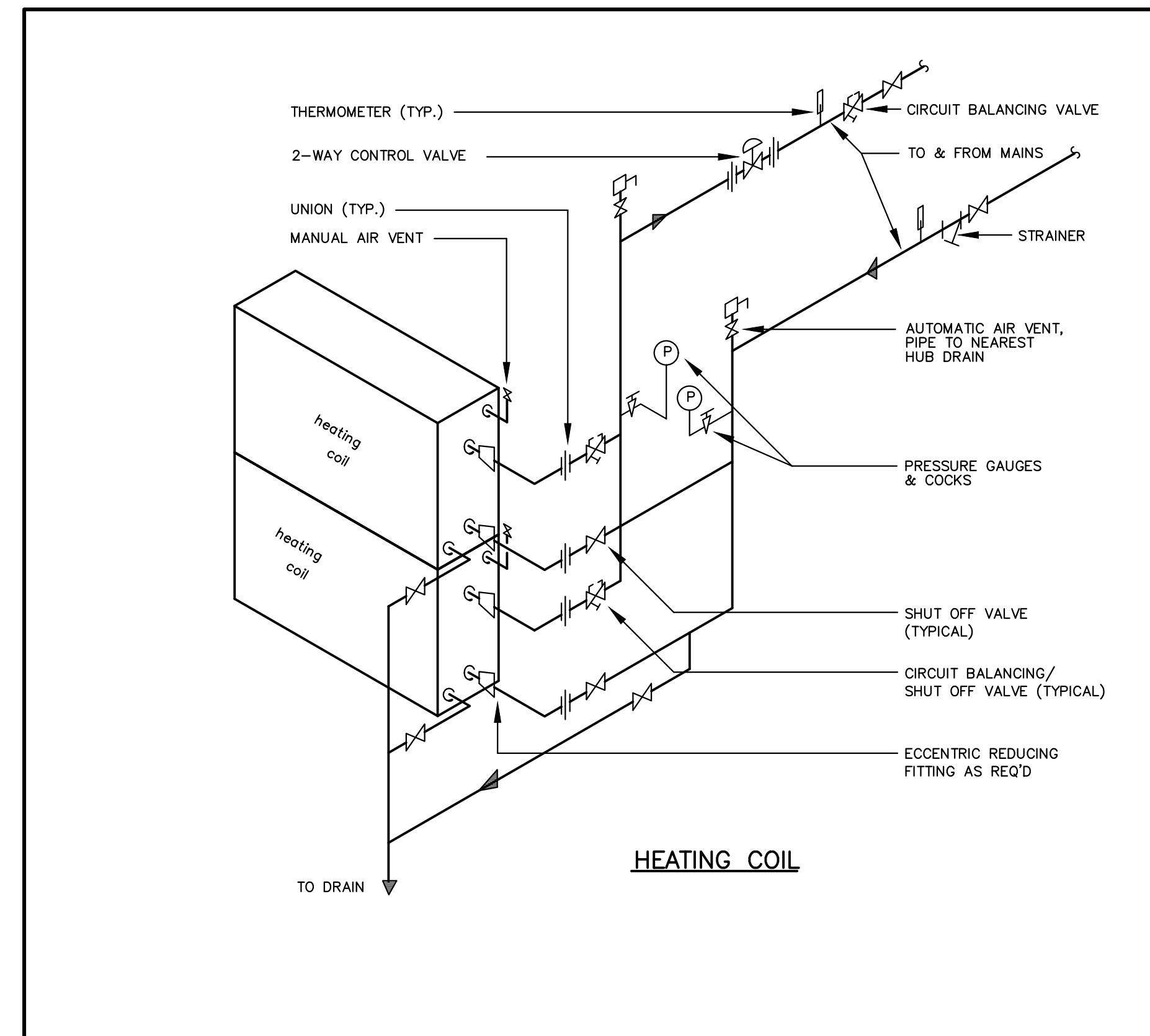
10 REHEAT COIL MOUNTING DETAIL (PLAN VIEW)
 M004 N.T.S.



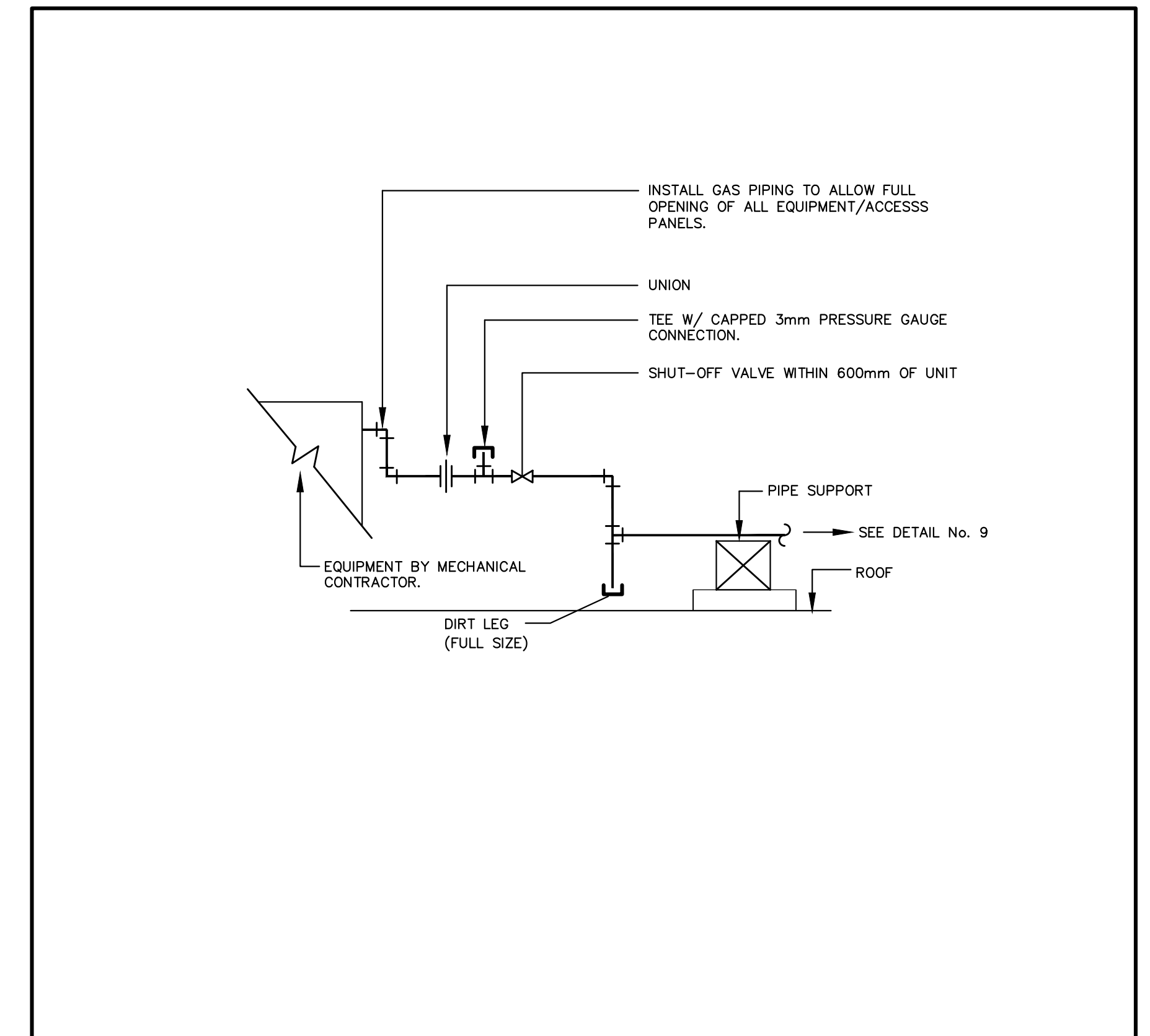
17 ROOF-TOP UNIT CURB SECTION DETAIL
 M004 N.T.S.



16 HEATING COIL 3-WAY CONTROL VALVE PIPING HOOK-UP (AHU)
 M004 N.T.S.

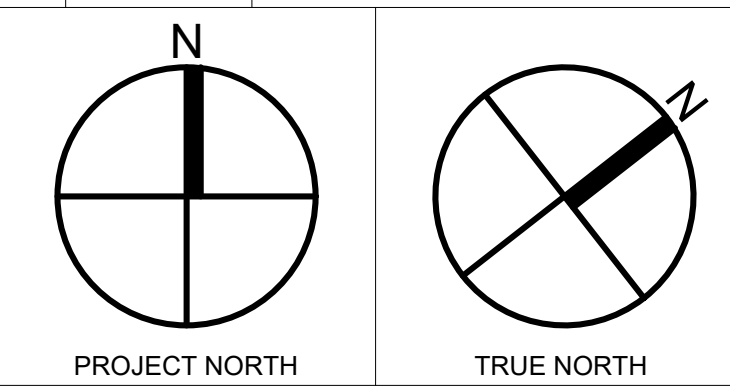


15 HEATING COIL 2-WAY CONTROL VALVE PIPING HOOK-UP (AHU)
 M004 N.T.S.



14 RTU GAS CONNECTION DETAIL
 M004 N.T.S.

REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER



Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON L1S 5H4

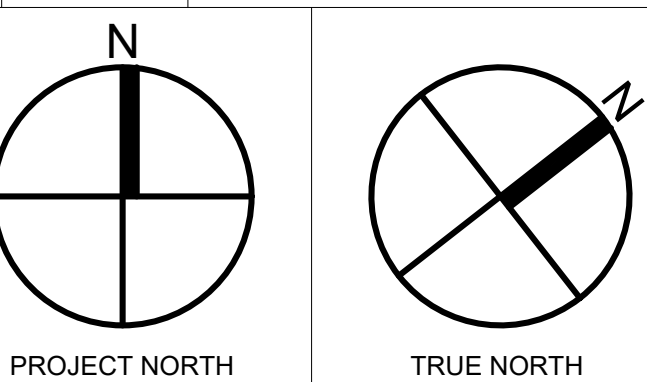
Sheet Title
MECHANICAL DETAILS

Project Number 25119
 Date APR. 2026
 Drawn M.Z.
 Checked R.S.
 Scale N.T.S.
 Drawing Number

M-004

- DEMOLITION NOTES:
- REMOVE EXISTING GLYCOL HEATING COILS FROM DUCT WORK.
 - CONTRACTOR TO VERIFY THE MODEL AND PERFORMANCE CRITERIA OF EXISTING FAN AND REPLACE WITH A NEW UNIT OF EQUIVALENT PERFORMANCE.
 - MECHANICAL CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPLACE EXISTING CONTROL VALVES. CONTRACTOR TO PROVIDE VG1000 SERIES CONTROL VALVE OR EQUIVALENT.

REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER

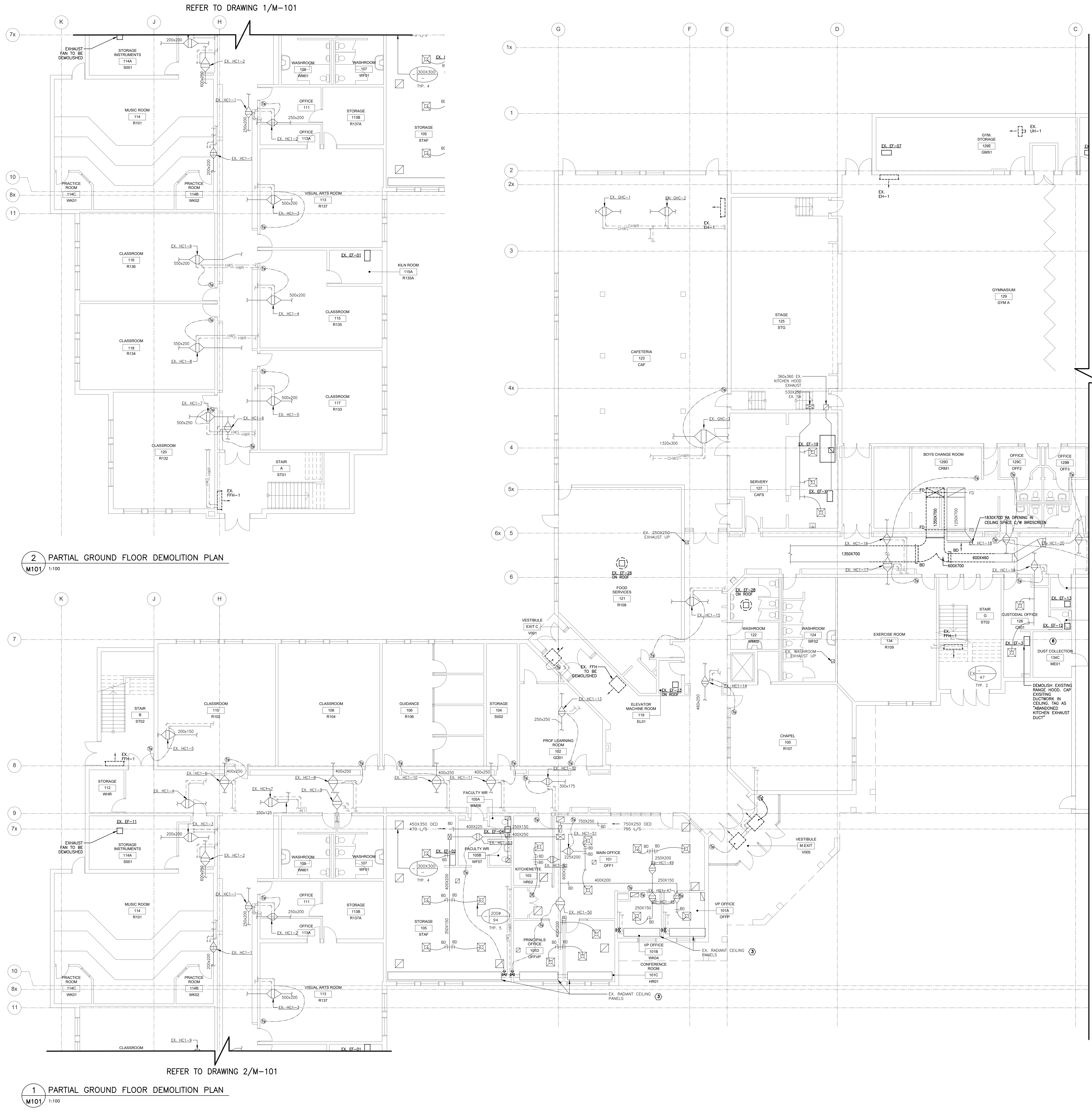


Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON. L1S 5H4

Sheet Title
MECHANICAL GROUND FLOOR DEMOLITION PLAN I

Project Number	25119
Date	APR. 2026
Drawn	M.Z.
Checked	R.S.
Scale	1:100
Drawing Number	M-101



REFER TO DRAWING M-102

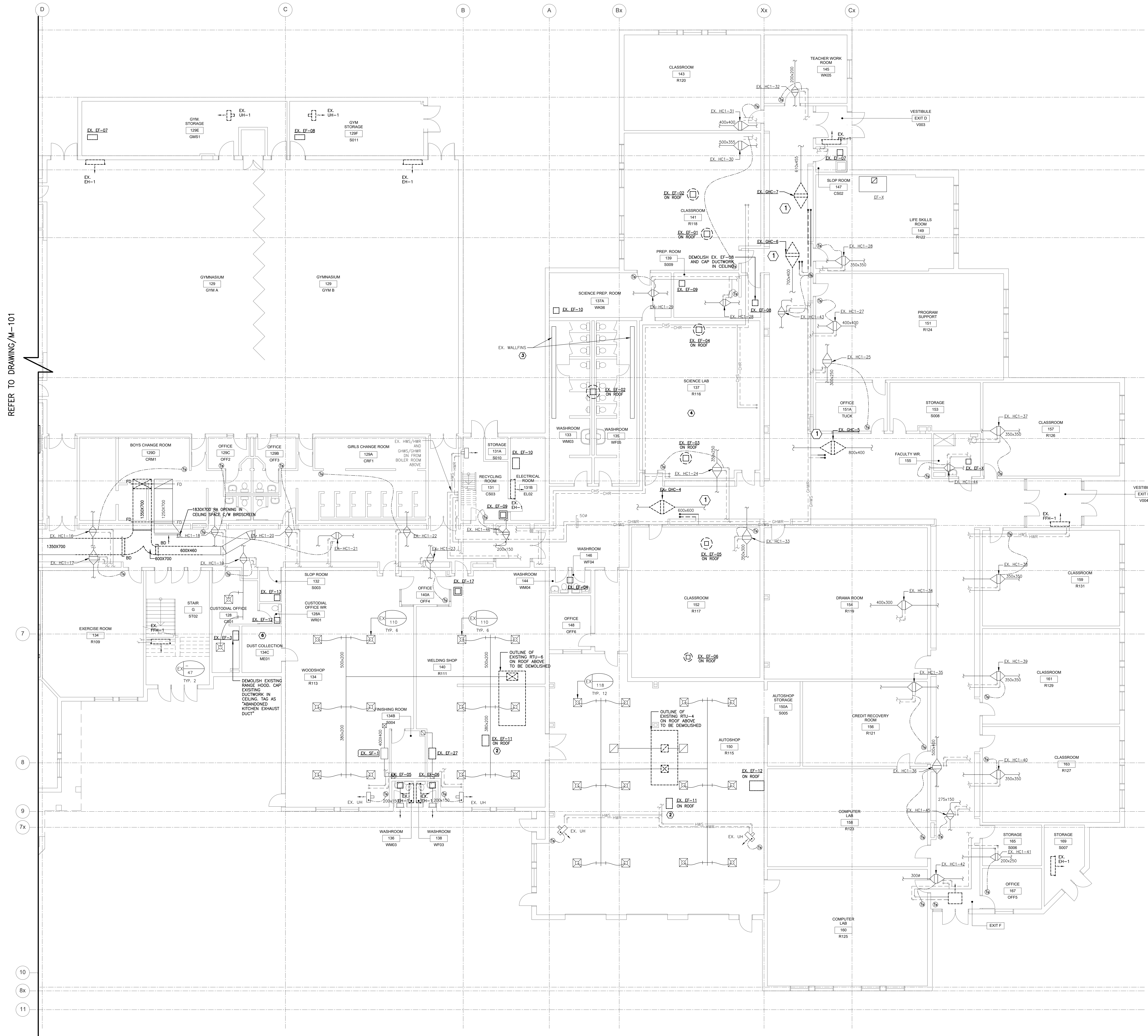
2 PARTIAL GROUND FLOOR DEMOLITION PLAN
 M101 1:100

1 PARTIAL GROUND FLOOR DEMOLITION PLAN
 M101 1:100

REFER TO DRAWING 1/M-101

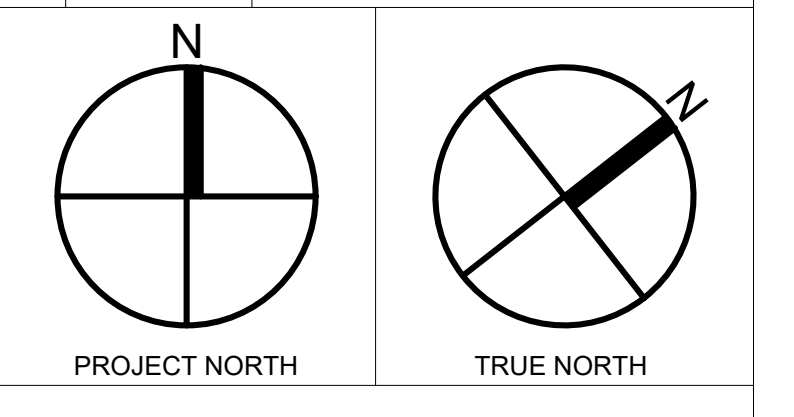
REFER TO DRAWING 2/M-101

- DEMOLITION NOTES:
- 1 REMOVE EXISTING GLYCOL HEATING COILS FROM DUCT WORK.
 - 2 CONTRACTOR TO VERIFY THE MODEL AND PERFORMANCE CRITERIA OF EXISTING FAN AND REPLACE WITH A NEW UNIT OF EQUIVALENT PERFORMANCE.
 - 3 MECHANICAL CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPLACE EXISTING CONTROL VALVES. CONTRACTOR TO PROVIDE V61000 SERIES CONTROL VALVE OR EQUIVALENT.
 - 4 REMOVE SCIENCE ROOM MOTORIZED DAMPERS.
 - 5 REMOVE ALL EXHAUST FANS AS LISTED IN THE SCHEDULES. TYPICAL FOR ALL EXHAUST FANS.
 - 6 REMOVE EXISTING DUST COLLECTOR. PREPARE SPACE AND EXISTING DUCTING FOR NEW DUST COLLECTOR.



REFER TO DRAWING/M-101

REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER



Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON. L1S 5H4

Sheet Title
MECHANICAL GROUND FLOOR DEMOLITION PLAN II

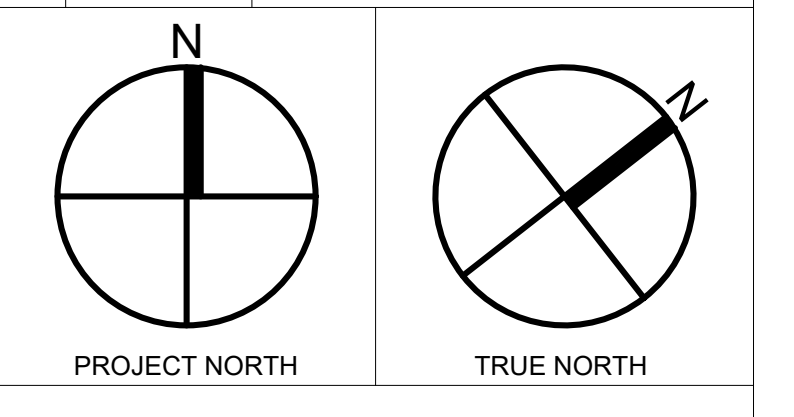
1 PARTIAL GROUND FLOOR DEMOLITION PLAN
 M102 1:100

Project Number	25119
Date	APR. 2026
Drawn	M.Z.
Checked	R.S.
Scale	1:100
Drawing Number	

- CONSTRUCTION NOTES:**
- 1 RECONNECT DUCTWORK AS SHOWN.
 - 2 LOWER CEILING IN INDICATED AREA BY 2". REPLACE TILE GRID, CEILING TILES, AND COORDINATE MECHANICAL SERVICES ACCORDINGLY. REFER TO ELECTRICAL DRAWINGS FOR ASSOCIATED LIGHTING AND EQUIPMENT ADJUSTMENTS. EXISTING SPRINKLER HEADS TO BE LOWERED IN AREA.
 - 3 REPLACE TILE GRID AND CEILING TILES IN INDICATED AREA. COORDINATE MECHANICAL SERVICES AND SPRINKLERS ACCORDINGLY.
 - 4 CONNECT EXISTING MAIN SUPPLY AND RETURN DUCTS WITH NEW DUCT FROM RTU'S.
 - 5 EXTEND NEW GLYCOL HEATING LINES FROM EXISTING LINES UP TO SERVE RTU'S. INSTALL C/W SHUTOFF VALVES, BALANCING AND CONTROL VALVES. CONTROL VALVES TO BE CONNECTED TO NEW BAS.
 - 6 PROVIDE WATER BALANCING FOR NEW CONNECTED HYBRIC SYSTEM.
 - 7 CLEAN GLYCOL HEAT COILS FROM BOTH SIDES. CONTRACTOR MUST PROVIDE BEFORE/AFTER PICTURES FOR ALL HEAT COILS.
 - 8 CONTRACTOR TO BALANCE AIR FOR DUCTED SYSTEMS IN THE MAIN DUCT LESS FOR RTU-1. BALANCE TO FLOWS LISTED IN THE PRE-CONSTRUCTION AIR AUDIT REPORT.
 - 9 CONTRACTOR TO ALLOW FOR DUCT CLEANING FOR ENTIRE DUCT SYSTEM.
 - 10 REPLACE ALL EXISTING BAS NO CONTROLLERS AND HARDWARE WITH BRACKET. REFER TO SPEC FOR CONTROLS REQUIREMENT.
 - 11 INSTALL NEW AIR TEMPERATURE SENSORS DOWNSTREAM OF ALL HEATING COIL TERMINAL UNITS. (TYPICAL FOR ALL HEAT COILS IN PLANS)
 - 12 INSTALL NEW OCCUPANCY SENSORS FOR ALL ZONES.
 - 13 PROVIDE AND INSTALL NEW DUCT COLLECTOR AND CONNECT TO EXISTING DUCT SYSTEM IN THE WOOD SHOP. FE INTO EXISTING CONTROL PANEL AND SHARD DETECTOR SYSTEMS. CONTRACTOR TO COORDINATE NEW DUCT COLLECTOR WITH SAME MANUFACTURER OF EXISTING UNIT.
 - 14 NEW RTU'S TO BE CONNECTED TO EXISTING DUCT WORK SYSTEMS. REROUTE RTU-7 AND RTU-8 WITH EXHAUST FANS SERVING RESPECTIVE ROOMS. FE UNITS INTO BAS SYSTEM.
 - 15 REPLACE ALL CURRENT SWITCHES WITH ANALOG CURRENT TRANSFORMERS FOR ALL SYSTEMS. CONTRACTOR TO LOCATE AND REPLACE ALL THROUGHOUT BUILDING.
 - 16 REPLACE ALL FORCE FLOW HEATERS IN VESTIBULES AND STAIRWELLS. FE INTO BAS. (TYPICAL FOR ALL)
 - 17 REPLACE ELECTRIC UNIT HEATERS WITH HOT WATER HEATERS WHERE SHOWN. FE INTO BAS. FE NEW UNIT TO EXISTING GLYCOL HEATING LINE AS SHOWN C/W SHUTOFF VALVES, BALANCING VALVES, AND DRAIN COCKS. REFER TO DETAILS FOR INSTALLATION. C/W SURFACE MOUNTED TEMPERATURE SENSORS ON WALL. FE INTO BAS.

REVISIONS/SUBMISSIONS

No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER

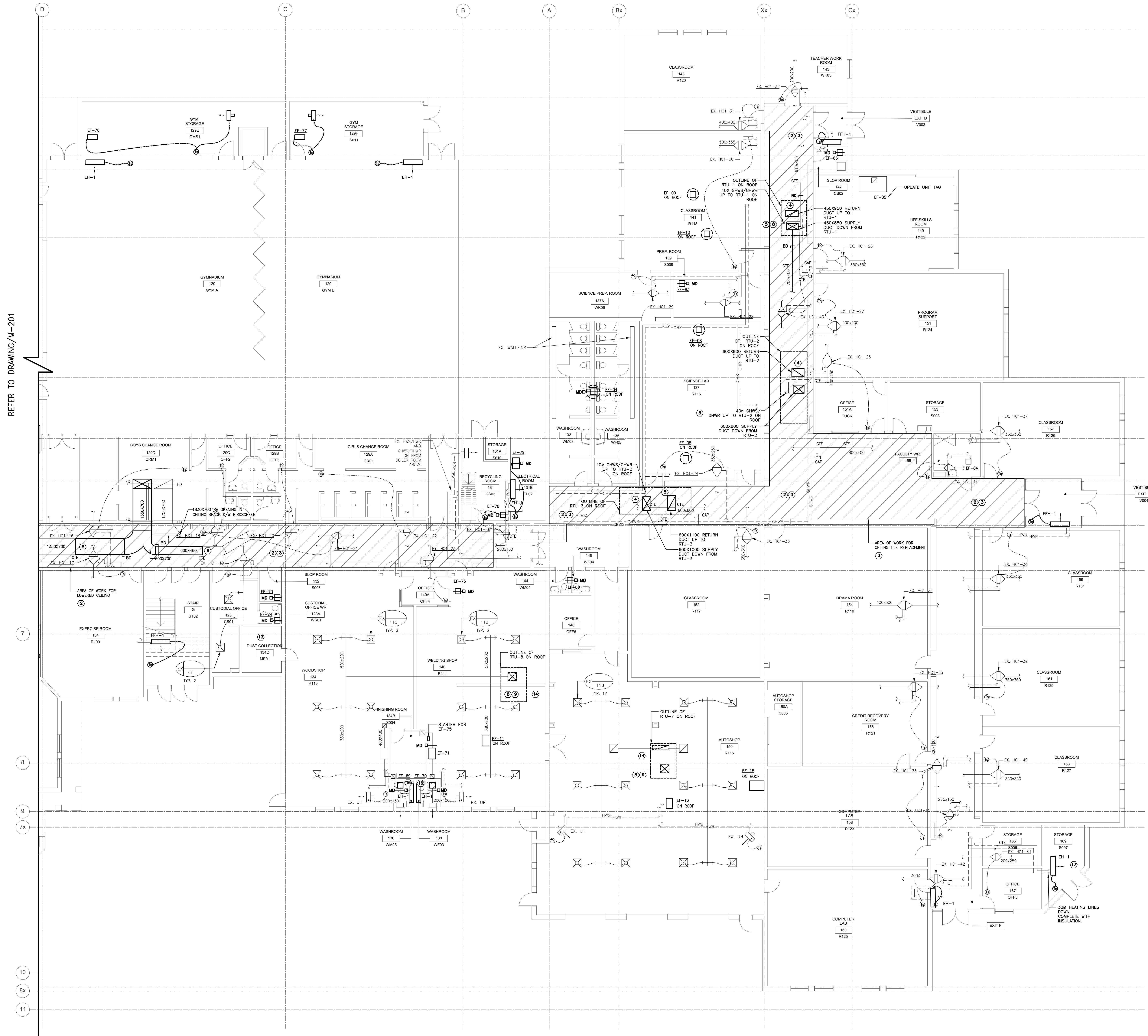


Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON. L1S 5H4

Sheet Title
MECHANICAL GROUND FLOOR NEW PLAN II

Project Number	25119
Date	APR. 2026
Drawn	M.Z
Checked	R.S
Scale	1:100
Drawing Number	M-202

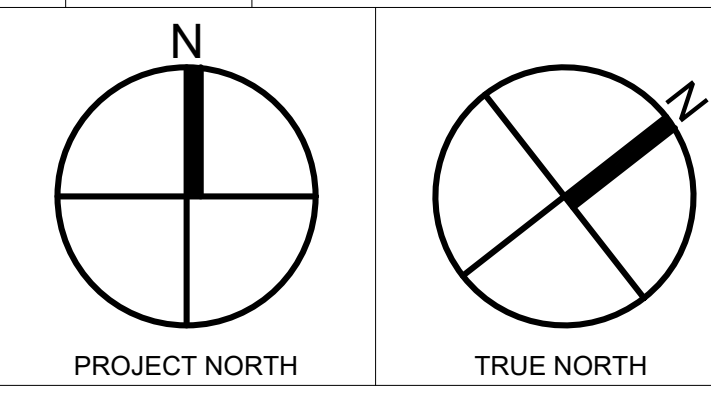


REFER TO DRAWING M-201

1 PARTIAL GROUND FLOOR NEW PLAN
 M202 1:100

CONSTRUCTION NOTES:
 ① CONNECT COMPUTER ROOM 231 DUCT INTO AHU-1 SUPPLY MAIN AS SHOWN. ADD TRANSFER AIR DUCT ALONG WALL C/W FIRE DAMPERS.

REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER

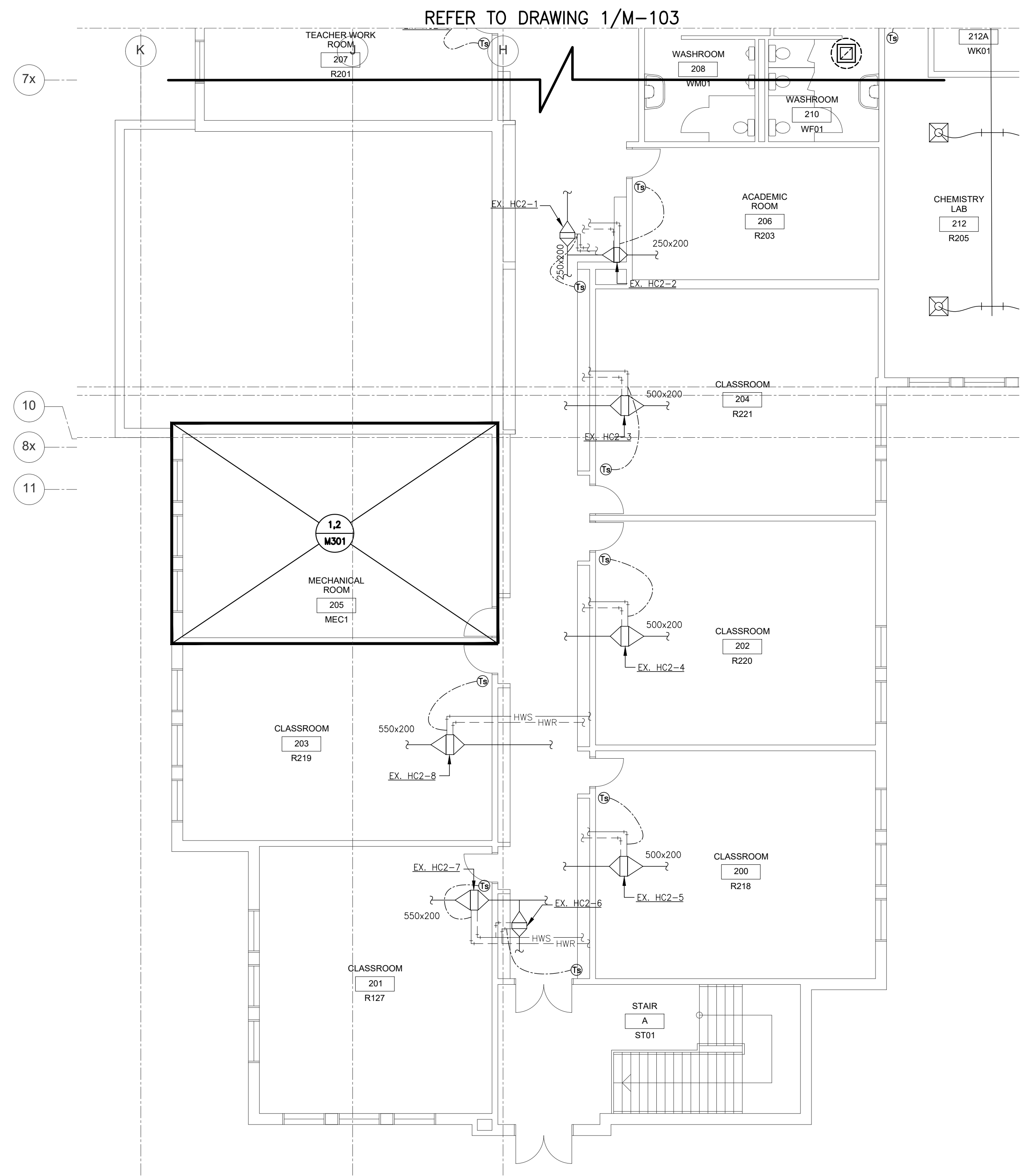


Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

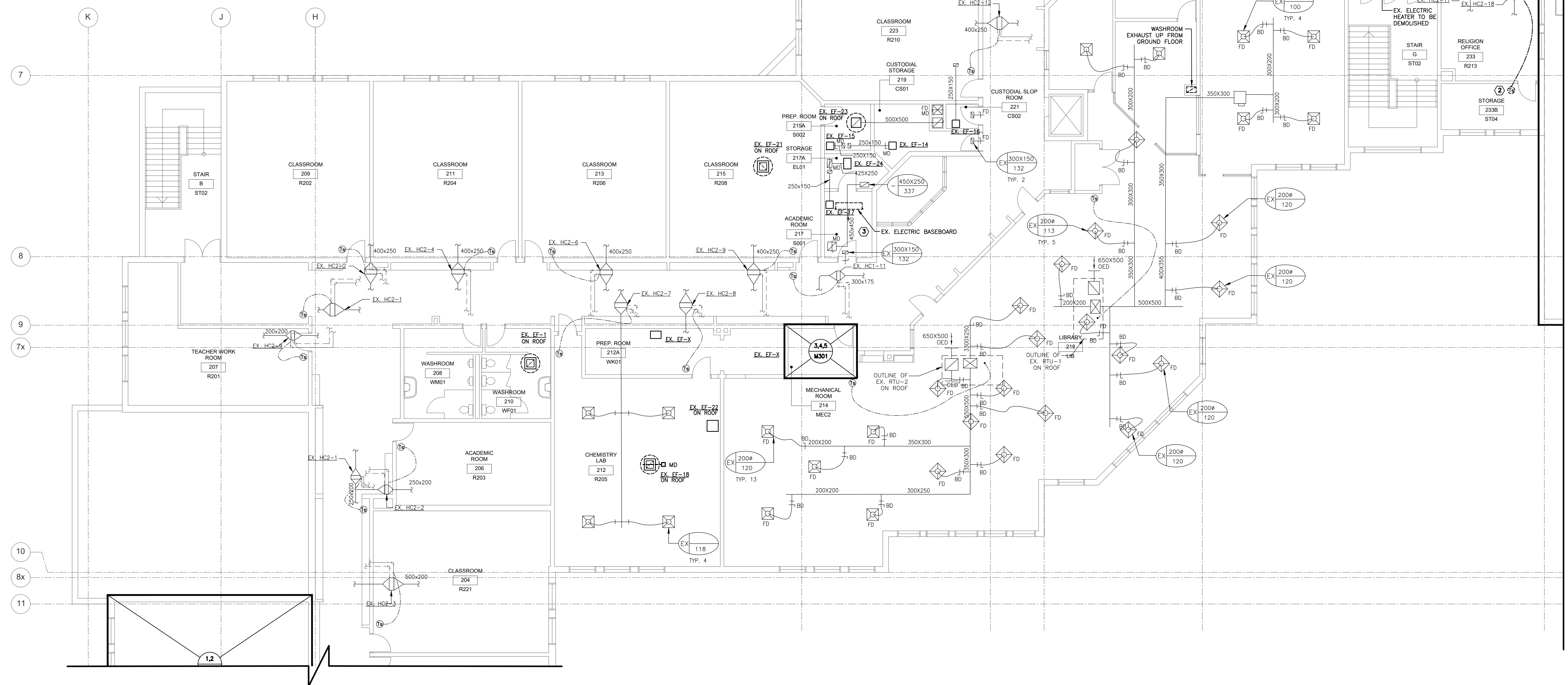
80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
MECHANICAL SECOND FLOOR DEMOLITION PLAN I

Project Number	25119
Date	APR. 2026
Drawn	M.Z.
Checked	R.S.
Scale	1:100
Drawing Number	



2 PARTIAL SECOND FLOOR DEMOLITION PLAN
 M103 1:100



1 PARTIAL SECOND FLOOR DEMOLITION PLAN
 M103 1:100

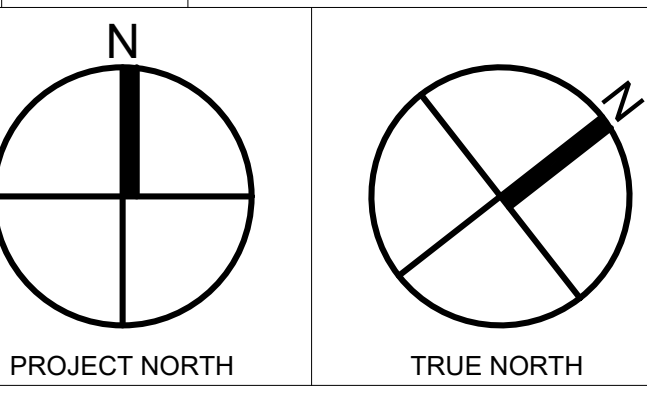
REFER TO DRAWING M-104

REFER TO DRAWING 2/M-103

REFER TO DRAWING 1/M-103

- CONSTRUCTION NOTES:
- ① CONNECT COMPUTER ROOM 231 DUCT INTO AHU-1 SUPPLY MAIN AS SHOWN AND TRANSFER AIR DUCT ALONG WALL C/W FIRE DAMPERS.
 - ② CONTRACTOR TO PROVIDE DUCT CLEANING THROUGHOUT. (TYPICAL)
 - ③ INSTALL NEW SUPPLY DUCTWORK WHERE INTERNALLY LINED DUCTWORK WAS REMOVED.
 - ④ REPLACE ALL EXISTING BAS NO CONTROLLERS AND HARDWARE WITH BRACKET. REFER TO SPEC FOR CONTROLS REQUIREMENT.
 - ⑤ REPLACE ALL CURRENT SWITCHES WITH ANALOG CURRENT TRANSFORMERS FOR ALL SYSTEMS. CONTRACTOR TO LOCATE AND REPLACE ALL THROUGHOUT BUILDING.
 - ⑥ INSTALL NEW AIR TEMPERATURE SENSORS DOWNSTREAM OF ALL HEATING COIL TERMINAL UNITS. (TYPICAL FOR ALL REHEAT COILS IN PLANS)
 - ⑦ INSTALL NEW OCCUPANCY SENSING SENSORS FOR ALL ZONES.
 - ⑧ REPLACE ALL FORCE FLOW HEATERS IN VESTIBULES AND STAIRWELLS. (TYPICAL FOR ALL)
 - ⑨ REPLACE ELECTRIC UNIT HEATERS WITH HOT WATER HEATERS WHERE SHOWN. (TYPICAL FOR ALL)

REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER



rybka
 Ellard Willson
 23 Lesmill Road, Unit 410
 Toronto, ON M3B 3P6

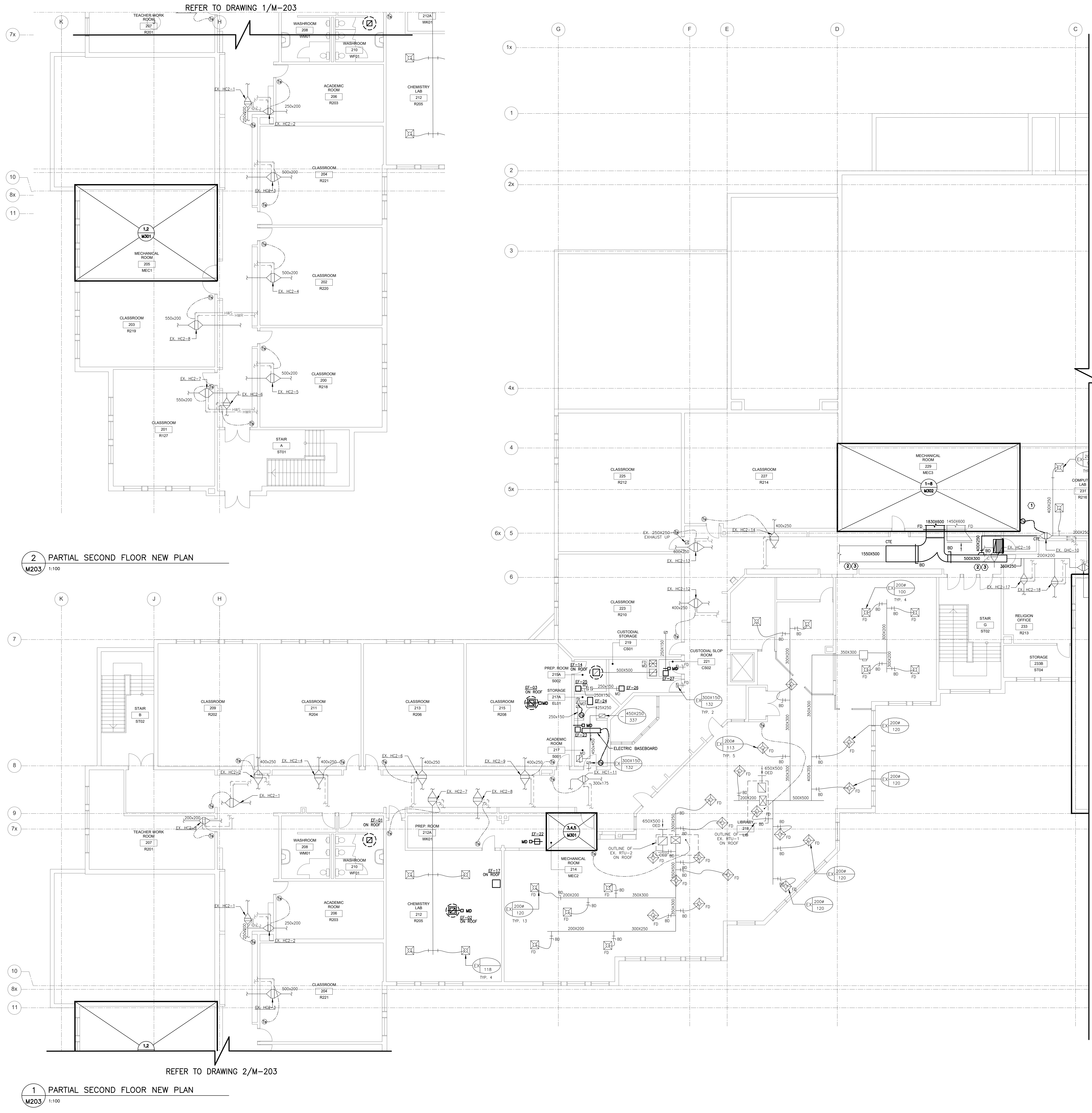
Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
MECHANICAL SECOND FLOOR NEW PLAN I

Project Number	25119
Date	APR. 2026
Drawn	M.Z.
Checked	R.S.
Scale	1:100
Drawing Number	

M-203

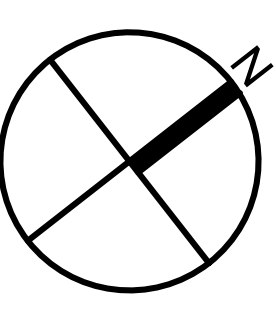
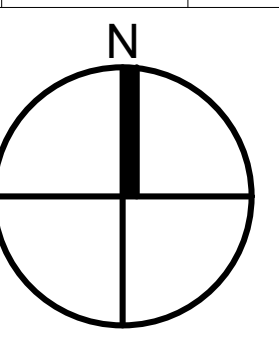


REFER TO DRAWING/M-204

- DEMOLITION NOTES:
- ① REMOVE EXISTING RTU-3 COMPLETELY FROM CURB. FILL EXISTING CURB WITH 2 LAYERS OF DRYWALL AND INSULATION TO THE TOP OF THE CURB. COVER CURB WITH ANGLED SHEET METAL FOR NO STANDING WATER. SEAL WATER TIGHT.
 - ② REMOVE EXISTING HWU FROM CURB AND PREPARE CURB TO RECEIVE NEW ROOF TOP UNIT.
 - ③ REMOVE EXISTING ROOF TOP UNIT AND PREPARE ROOF CURB TO RECEIVE NEW ROOF TOP UNIT.
 - ④ REMOVE EXISTING EXHAUST FANS AND PREPARE CURB TO RECEIVE NEW MUSHROOM EXHAUSTER.
 - ⑤ REMOVE EXISTING CONDENSING UNIT FROM CURB AND ROOF. PREPARE CURBS TO RECEIVE NEW CONDENSING UNIT.
 - ⑥ REMOVE EXISTING CHILLED WATER LINES SERVING EXISTING HWU'S. REMOVE PIPES FROM ROOF PITCH POCKET. SEAL PITCH POCKET WATER TIGHT.

REVISIONS/SUBMISSIONS

No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER



Project Title

ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
AJAX ON L1S 5H4

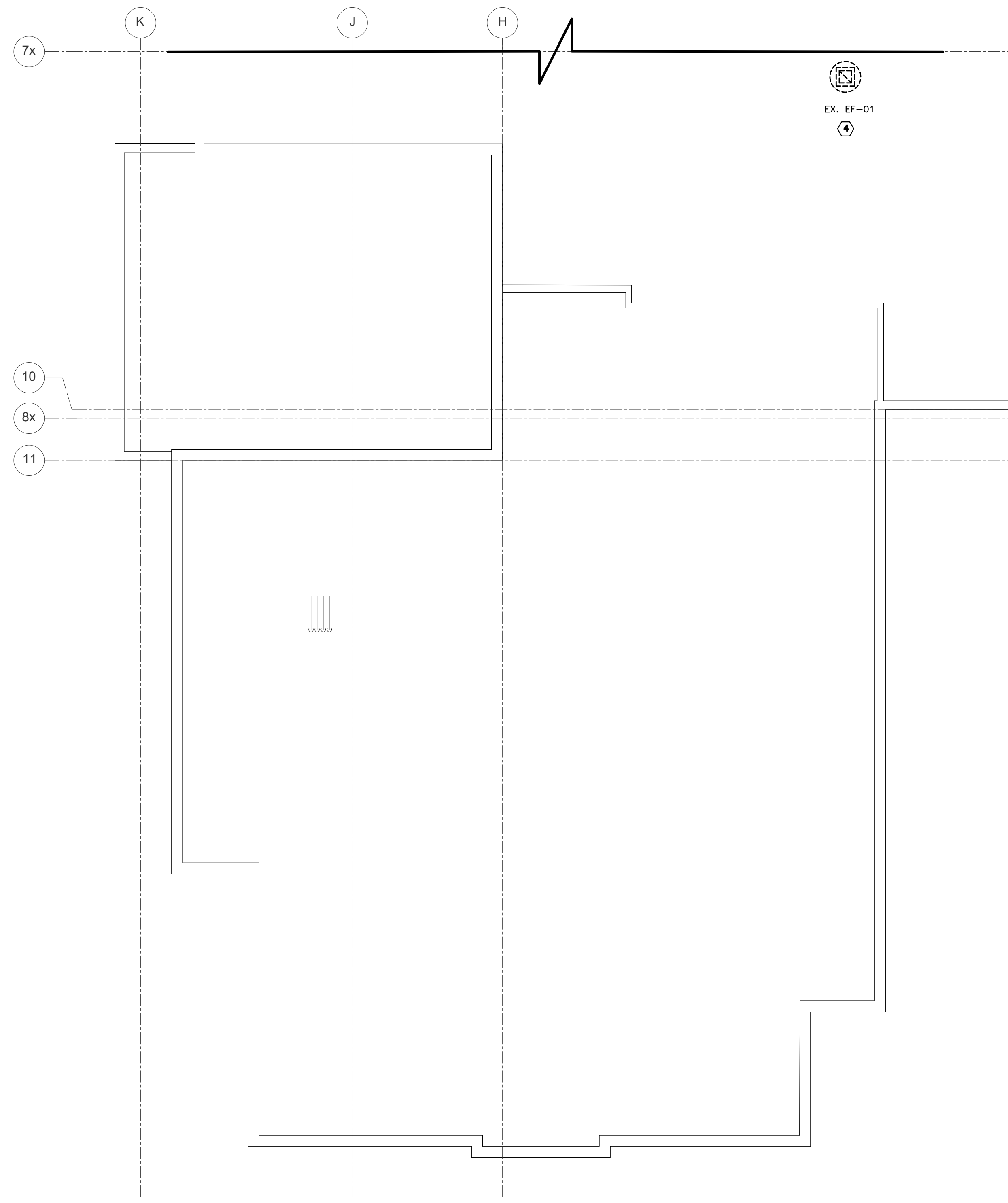
Sheet Title

MECHANICAL ROOF DEMOLITION PLAN I

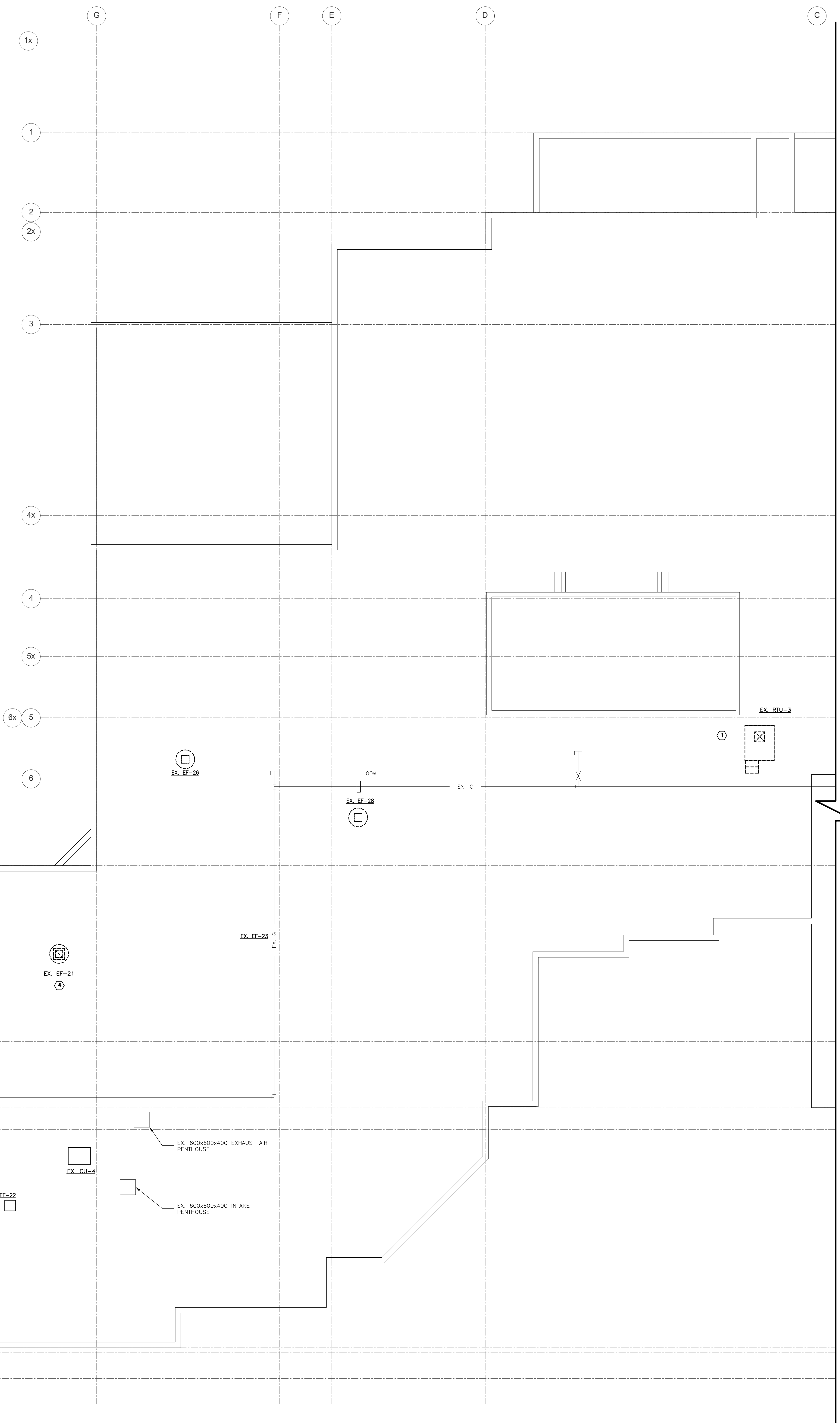
Project Number	25119
Date	APR. 2026
Drawn	M.Z
Checked	R.S
Scale	1:100
Drawing Number	

M-105

REFER TO DRAWING 1/M-105



2 PARTIAL ROOF DEMOLITION PLAN
M105 1:100

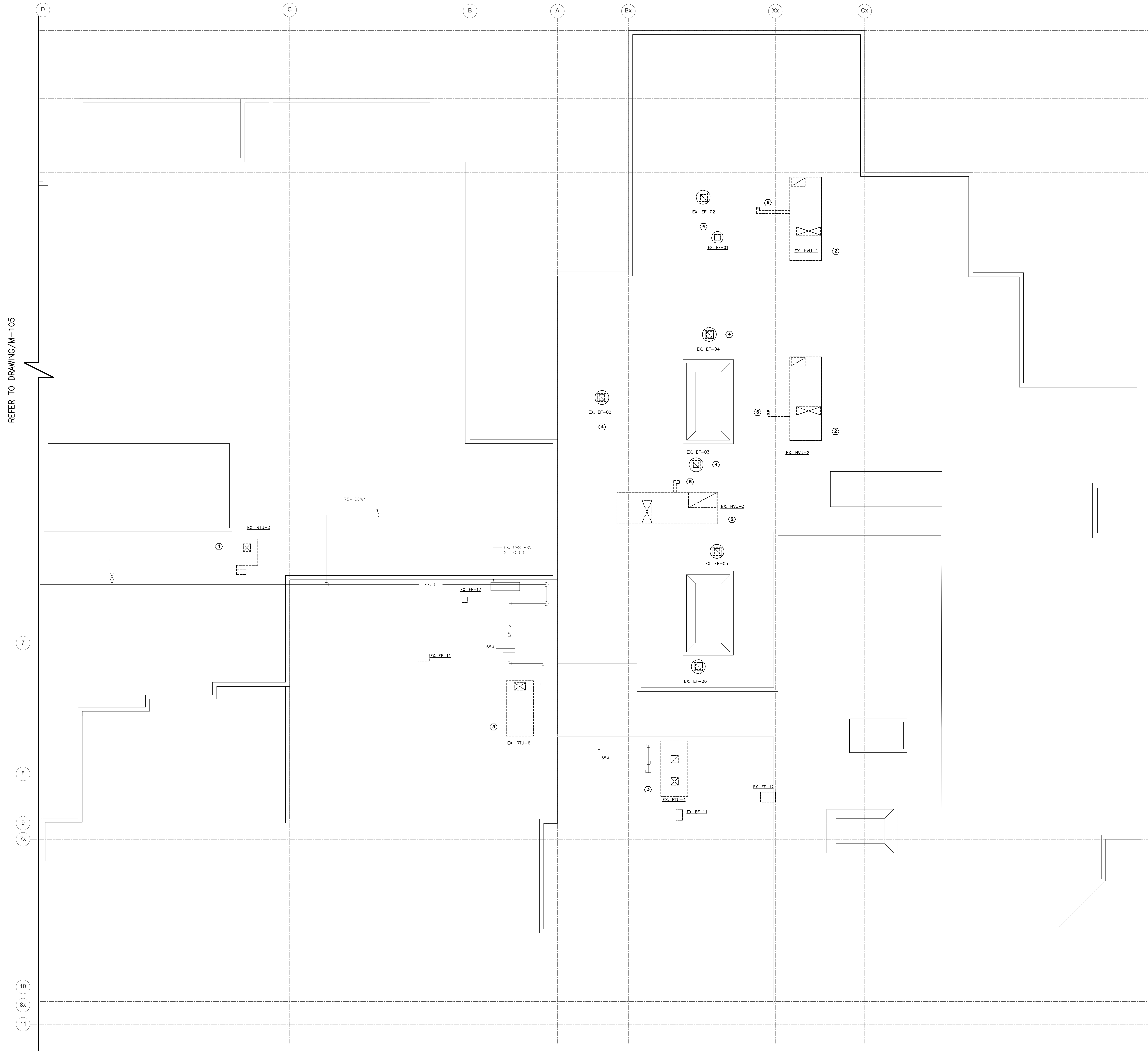


1 PARTIAL ROOF DEMOLITION PLAN
M105 1:100

REFER TO DRAWING 2/M-105

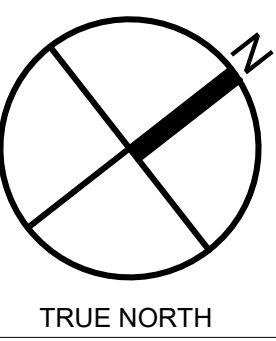
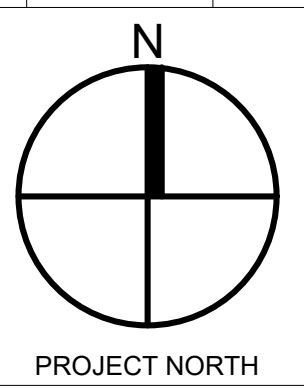
DEMOLITION NOTES:

- ① REMOVE EXISTING RTU-3 COMPLETELY FROM CURB. FILL EXISTING CURB WITH 2 LAYERS OF DRYWALL AND INSULATION TO THE TOP OF THE CURB. COVER CURB WITH ANGLED SHEET METAL FOR NO STANDING WATER. SEAL WATER TIGHT.
- ② REMOVE EXISTING HVAC FROM CURB AND PREPARE CURB TO RECEIVE NEW ROOF TOP UNIT.
- ③ REMOVE EXISTING ROOF TOP UNIT AND PREPARE ROOF CURB TO RECEIVE NEW ROOF TOP UNIT.
- ④ REMOVE EXISTING EXHAUST FANS AND PREPARE CURB TO RECEIVE NEW MUSHROOM EXHAUSTER.
- ⑤ REMOVE EXISTING CONDENSING UNIT FROM CURB AND ROOF. PREPARE CURBS TO RECEIVE NEW CONDENSING UNIT.
- ⑥ REMOVE EXISTING CHILLED WATER LINES SERVING EXISTING HVAC'S. REMOVE PIPES FROM ROOF PITCH POCKET. SEAL PITCH POCKET WATER TIGHT.



REVISIONS/SUBMISSIONS

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Project Title

ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
AJAX ON L1S 5H4

Sheet Title

MECHANICAL ROOF DEMOLITION PLAN II

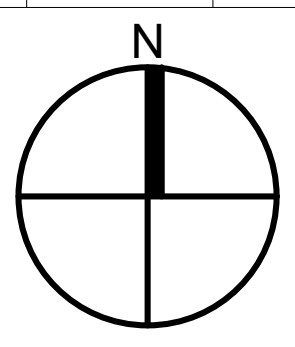
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Date	APR. 2026
Drawn	M.Z
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Drawing Number	

CONSTRUCTION NOTES:

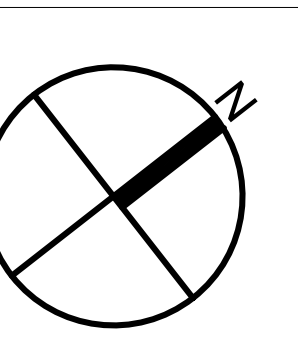
1. INSTALL NEW ROOF TOP UNITS ONTO NEW CURB ADAPTORS AS REQUIRED. CONTRACTOR TO COORDINATE CURB ADAPTOR WITH SUPPLIER.
2. INSTALL NEW ROOF TOP UNIT AND CONNECT TO EXISTING GAS LINE.
3. INSTALL NEW ROOF EXHAUSTER ONTO EXISTING CURB. PROVIDE ADAPTORS WHERE REQUIRED.
4. INSTALL NEW AIR COOLED CONDENSING UNIT HEAT PUMP ON ROOF.
5. INSTALL NEW CONDENSING UNITS ON NEW CURBS ON ROOF.
6. INSTALL NEW ENERGY RECOVERY UNITS ON NEW CURBS ON ROOF.
7. INSTALL NEW AIR COOLED CONDENSING UNIT ON ROOF. INSTALL ON EDCRUIT BRACING SYSTEM.
8. PROVIDE NEW GAS SHUTOFF VALVES AND INSTALL MINIMUM 600mm AWAY FROM UNIT. PROVIDE NEW DRIP LEG.
9. REFER TO STRUCTURAL DRAWINGS AND DETAILS FOR ANY REQUIRED STRUCTURAL REINFORCING.
10. REPLACE ALL EXISTING GAS NZ CONTROLLERS AND HARDWARE WITH BACNET. REFER TO SPEC FOR CONTROLS REQUIREMENT.
11. REPLACE ALL CURRENT SWITCHES WITH ANALOG CURRENT TRANSFORMERS FOR ALL SYSTEMS. CONTRACTOR TO LOCATE AND REPLACE ALL THROUGHOUT BUILDING.
12. INSTALL NEW AIR TEMPERATURE SENSORS DOWNSTREAM OF ALL HEATING COIL TERMINAL UNITS. (TYPICAL FOR ALL REHEAT COILS IN PLANS)
13. INSTALL NEW OCCUPANCY SENSING SENSORS FOR ALL ZONES.

REVISIONS/SUBMISSIONS

No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER



PROJECT NORTH



TRUE NORTH



Project Title

ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
AJAX ON. L1S 5H4

Sheet Title

MECHANICAL ROOF NEW PLAN II

Project Number 25119

Date APR. 2026

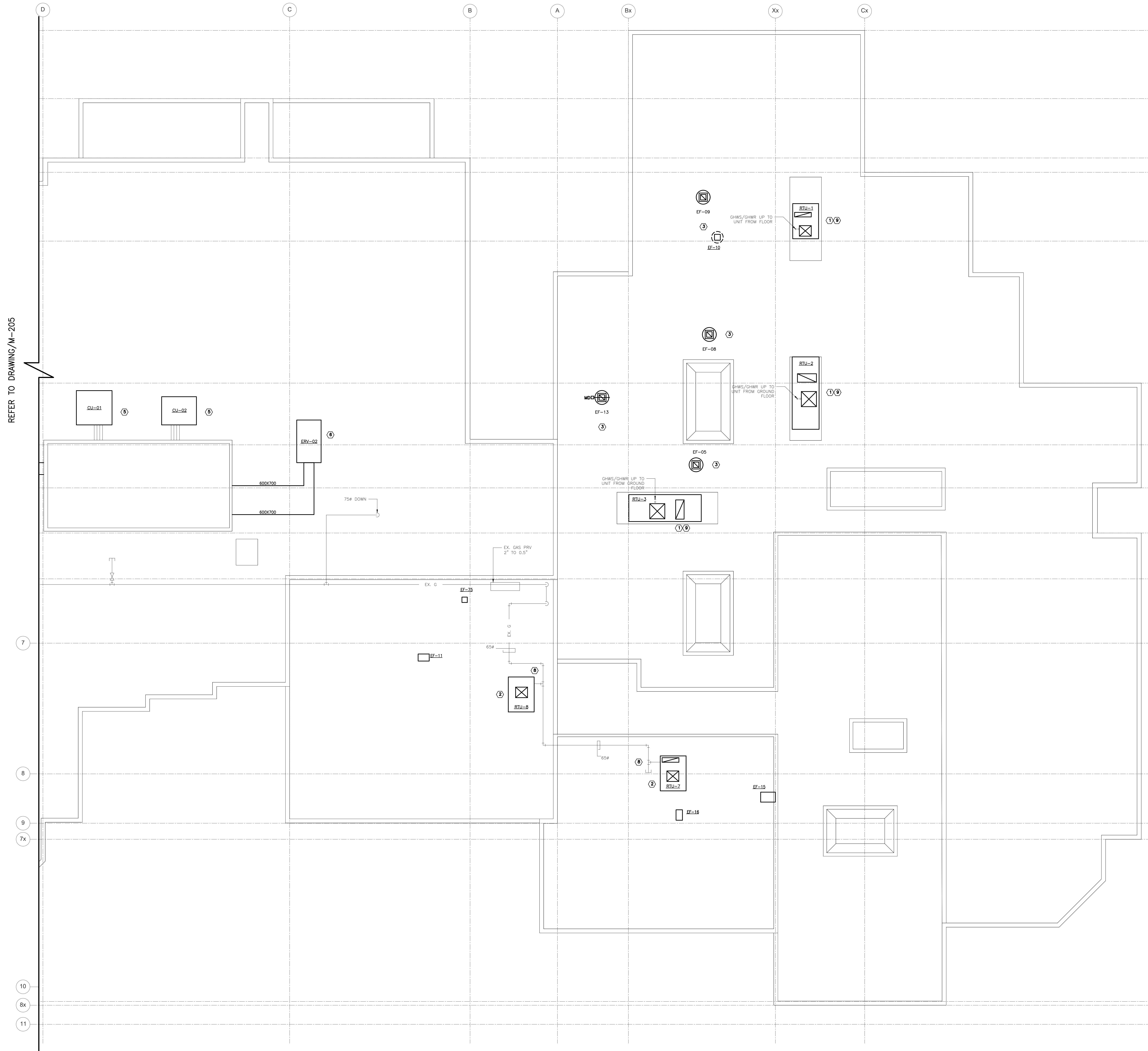
Drawn M.Z.

Checked R.S.

Scale 1:100

Drawing Number

M-206



REFER TO DRAWING/M-205

1 PARTIAL ROOF NEW PLAN
M206 1:100

