

7 TM-0.1 NOT USED
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8 TM-0.1 NOT USED
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SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FIRE DAMPER		SMOKE DAMPER
	MOTOR OPERATED DAMPER		POSITIVE SEAL DAMPER
	MANUAL DAMPER		GRAVITY OR BACKDRAFT DAMPER
	BALANCING DAMPER		REMOTE OPERATED BALANCING DAMPER
	COMBINATION SMOKE AND FIRE DAMPER		VOLUME EXTRACTOR
VAV, FPVAV AND APS TAG			
V.A.V. BOX TYPE		V.A.V. BOX TYPE	
MIN. PRIMARY FLOW FAN POWERED V.A.V. BOX TYPE		MIN. FLOW (L/s) HEATING/COOLING RHC: MAX. FLOW (L/s) HEATING/COOLING REHEAT COIL CAPACITY (KW)	
		IMPERIAL: CFM [INS.] METRIC: L/s [mm]	
	V.A.V. BOX (VARIABLE AIR VOLUME)		FAN POWERED BOX CW RETURN AIR SILENCER OR ACOUSTICALLY LINED RETURN AIR
	V.A.V. BOX WITH ATTENUATOR		FAN POWERED BOX CW RETURN AIR SILENCER OR ACOUSTICALLY LINED RETURN AIR WITH REHEAT COIL
	V.A.V. BOX WITH REHEAT COIL		INDUCTION V.A.V. BOX
	V.A.V. BOX WITH REHEAT COIL AND ATTENUATOR		PRESSURE INDEPENDENT AIR VALVE (LAB)
			TERMINAL UNIT (SEE NOTE 2)
HEATING ELEMENT TAG			
	HORIZONTAL UNIT HEATER		DUCT COIL
	DOWN BLAST UNIT HEATER		RADIATION HEATING RISER NUMBERS (S=SUPPLY AND R=RETURN)
	RADIANT HEATING PANEL		WALL FIN ELEMENT IN CONTINUOUS ENCLOSURE
NOTE: 1 - NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS NOTE: 2 - SYMBOLS ARE DIAGRAMMATIC IN NATURE, REFER TO SPECIFICATION/SCHEDULES FOR EXACT DIMENSIONS/CLEARANCES			

AIR HANDLING SYMBOLS (MSD-012.09)			
SYMBOL		DESCRIPTION	
		HEATING WATER SUPPLY	
		HEATING WATER RETURN	
		CHILLED WATER SUPPLY	
		CHILLED WATER RETURN	
		GLYCOL SUPPLY	
		GLYCOL RETURN	
		GLYCOL HEATING SUPPLY	
		GLYCOL HEATING RETURN	
		GLYCOL COOLING SUPPLY	
		GLYCOL COOLING RETURN	
		CONDENSER WATER SUPPLY	
		CONDENSER WATER RETURN	
		LOW PRESSURE STEAM	
		MEDIUM PRESSURE STEAM	
		HIGH PRESSURE STEAM	
		LOW PRESSURE CONDENSATE	
		MEDIUM PRESSURE CONDENSATE	
		HIGH PRESSURE CONDENSATE	
		PRESSURE INDEPENDENT CONTROL VALVE	
		2 WAY CONTROL VALVE	
		3 WAY CONTROL VALVE	
		FUEL OIL SUPPLY	
		FUEL OIL RETURN	
		EMERGENCY FUEL OIL VENT	
		FUEL OIL VENT	
		FUEL OIL FILL	
		PUMPED STEAM CONDENSATE	
		REFRIGERATION SUCTION	
		REFRIGERATION LIQUID	
		REFRIGERATION HOT GAS	
		DUAL TEMPERATURE SUPPLY	
		DUAL TEMPERATURE RETURN	
		BUCKET TYPE STEAM TRAP	
		FLOAT AND THERMOSTAT TYPE STEAM TRAP	
		STEAM VACUUM BREAKER	
		REFRIGERATION THERMAL EXPANSION VALVE	
		REFRIGERATION SOLENOID LIQUID VALVE	
		REFRIGERATION FILTER DRYER	
		6 WAY CONTROL VALVE ELECTRIC	
		6 WAY CONTROL VALVE	
		CONTROL VALVE (WHERE SYMBOL NOT SHOWN)	
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

6 TM-0.1 MECHANICAL PIPING (MSD-012.08)
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SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DETAIL NUMBER		SECTION NUMBER
	DRAWING NUMBER		DRAWING NUMBER
	REVISION NUMBER		REVISION BUBBLE
	ELBOWS		PIPING SERVICE CONTINUES
	TEE		REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS OF EQUIPMENT NOTED
	BRANCH OFF BOTTOM OF MAIN		VENT PIPE REDUCER
	BRANCH OFF TOP OF MAIN		AIR QUANTITY C.F.M. (L/s)
	DIRECTION OF FLOW		NAMING OF EXISTING EQUIPMENT — DENOTES EXISTING — EQUIPMENT DESIGNATION — FLOOR NUMBER — SEQUENTIAL NUMBER
NOTE: EXISTING EQUIPMENT - PIPING, VALVES, DUCTWORK SHOWN LIGHT TO REMAIN			
	EXISTING DUCT, FLEX, DUCT AND AIR SUPPLY TO REMAIN		EXISTING CONCEALED SPRINKLER HEAD & PIPING TO REMAIN
	EXISTING ELECTRIC/PNEUMATIC THERMOSTAT/TEMPERATURE SENSOR AND SPEED CONTROL SWITCH TO REMAIN		EXISTING PENDANT SPRINKLER HEAD & PIPING TO REMAIN
	EXISTING UPRIGHT SPRINKLER HEAD & PIPING TO REMAIN		EXISTING SIDEWALL OR WINDOW SPRINKLER HEAD & PIPING TO REMAIN
NOTE: EXISTING EQUIPMENT SHOWN HATCHED TO BE REMOVED AND/OR RELOCATED			
	EXISTING DUCT, FLEX, DUCT AND AIR SUPPLY TO BE REMOVED		EXISTING CONCEALED SPRINKLER HEAD TO BE REMOVED/RELOCATED
	EXISTING ELECTRIC/PNEUMATIC THERMOSTAT/TEMPERATURE SENSOR AND SPEED CONTROL SWITCH TO BE REMOVED/RELOCATED		EXISTING PENDANT SPRINKLER HEAD TO BE REMOVED/RELOCATED
	EXISTING UPRIGHT SPRINKLER HEAD TO BE REMOVED/RELOCATED		EXISTING SIDEWALL OR WINDOW SPRINKLER HEAD TO BE REMOVED/RELOCATED
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

4 T&E.1 GENERAL SYMBOLS AND ABBREVIATIONS (MSD-012.13)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY DUCT UP OR FROM ABOVE		ACOUSTICALLY LINED TRANSFER AIR DUCT
	SUPPLY DUCT DOWN OR FROM BELOW		SILENCER
	RETURN OR EXHAUST DUCT UP OR FROM ABOVE		CROSSTALK SILENCER
	RETURN OR EXHAUST DUCT DOWN OR FROM BELOW		DUCT WITH MINIMUM CLEARANCE FIRE RATED ENCLOSURE
	ROUND DUCT UP OR FROM ABOVE		DUCT WITH SLEEVE, INSULATION AND DAMPER
	ROUND DUCT DOWN OR FROM BELOW		CAPPED CONNECTION
	ACOUSTIC LINED DUCT		
	FLEXIBLE CONNECTION		RISE IN DUCT
	SQUARE ELBOW DUCT WITH TURNING VANE		DROP IN DUCT
	RADIUS ELBOW WITH TURNING VANES		SOUND BAFFLE
	AXIAL FAN/IN LINE FAN MIXED FLOW OR CENTRIFUGAL		PROPELLER FAN WITH PROTECTIVE SCREEN
DIFFUSER GRILLE OR REGISTER TYPE IMPERIAL: CFM [INS.] METRIC: L/s [mm] NECK OR FACE SIZE (MM) 1500 300 AIR FLOW (L/S)		LINEAR SLOT DIFFUSER AIR FLOW (L/S) IMPERIAL: CFM [INS.] METRIC: L/s [mm] NECK SIZE AND LINEAR DIFFUSER LENGTH (MM) 1500X1200mm 300	
	ROUND SUPPLY DIFFUSER		LINEAR SUPPLY AIR DIFFUSER CW FLEXIBLE DUCT
	DUCTED RETURN OR EXHAUST REGISTER OR GRILLE		LIGHT TROFFER DIFFUSER TOP INLET CW FLEXIBLE DUCT
	SQUARE OR RECTANGULAR DIFFUSER		LIGHT TROFFER DIFFUSER SIDE INLET CW FLEXIBLE DUCT
	RETURN OR EXHAUST GRILLE		DUCT MOUNTED SUPPLY OR RETURN GRILLE
	ROUND RETURN OR EXHAUST GRILLE		LINEAR SUPPLY OR RETURN GRILLE
	SQUARE DIFFUSER		
	DIFFUSERS WITH BLANK-OFF PORTION (QTY SHOWN)		
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

4 T&E.1 AIR HANDLING SYMBOLS (MSD-012.10)
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4 TM-0.1 AIR HANDLING SYMBOLS (MSD-012.10)

MECHANICAL DRAWING LIST			
Sheet Number	Sheet Title	Scale	
TM-0.1	MECHANICAL DRAWING LIST AND LEGENDS	N.T.S.	
TM-2.3	2ND FLOOR - HVAC LAYOUT	1/8"=1'-0"	
TM-2.4	2ND FLOOR - FIRE PROTECTION LAYOUT	1/8"=1'-0"	
TM-3.3	3RD FLOOR - HVAC LAYOUT	1/8"=1'-0"	
TM-3.4	3RD FLOOR - FIRE PROTECTION LAYOUT	1/8"=1'-0"	
1 TM-0.1 MECHANICAL DRAWING LIST			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLOOR DRAIN SIZE AS NOTED. REFER TO SPECIFICATION FOR TYPES		DOMESTIC COLD WATER (DOM. COLD WATER)
	FUNNEL FLOOR DRAIN SIZE AS NOTED. REFER TO SPECIFICATION FOR TYPES		DOMESTIC HOT WATER (DOM. HOT WATER)
	UPTURNED CLEANOUT		DOMESTIC HOT WATER RECIRCULATION (DOM. HOT WATER RECIRC.)
	HORIZONTAL CLEANOUT		TEMPERED DOMESTIC HOT WATER
	FLOOR DRAIN FROM ABOVE WITH TRAP		NATURAL GAS
	FUNNEL FLOOR DRAIN FROM ABOVE WITH TRAP		NATURAL GAS VENT
	WATER CLOSET AS NOTED. REFER TO SPECIFICATION FOR TYPES		VENT
	SINGLE COMPARTMENT KITCHEN SINK		SANITARY ABOVE GRADE OR FLOOR
	MOP SINK		SANITARY BELOW GRADE OR FLOOR
	DOUBLE COMPARTMENT SINK		GATE OR ISOLATION VALVE (REFER TO SPECIFICATION)
	DRINKING FOUNTAIN		GLOBE VALVE
	URINAL		BALL VALVE
	WALL HUNG LAVATORY		PENDANT SPRINKLER HEAD
	WET SPRINKLER		DRY PENDANT SPRINKLER HEAD
	DRY SPRINKLER		UPRIGHT SPRINKLER HEAD
	FIRE HOSE CABINET AND TYPE		CONCEALED SPRINKLER HEAD
	SPRINKLER SHUT-OFF VALVE CABINET AND TYPE		NON-FREEZE SPRINKLER HEAD
	FIRE EXTINGUISHER AND TYPE		HIGH TEMPERATURE SPRINKLER HEAD
	FIRE EXTINGUISHER CABINET AND TYPE		CHEMICAL SPRINKLER HEAD
	FIRE REEL		SIDEWALL SPRINKLER HEAD
	WATER METER		WINDOW SPRINKLER HEAD
	BACK FLOW PREVENTOR	NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS	
2 TM-0.1 GENERAL SYMBOLS AND ABBREVIATIONS (MSD-012.14)			

2 TM-0.1 GENERAL SYMBOLS AND ABBREVIATIONS (MSD-012.14)
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NO.	ISSUE	DATE
1	ISSUED FOR TENDER	2026-07-23

PROJECT CONTACT

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THIS DRAWING SHALL BE READ IN CONJUNCTION WITH MECHANICAL SPECIFICATION SUBMITTED FOR THIS PROJECT.



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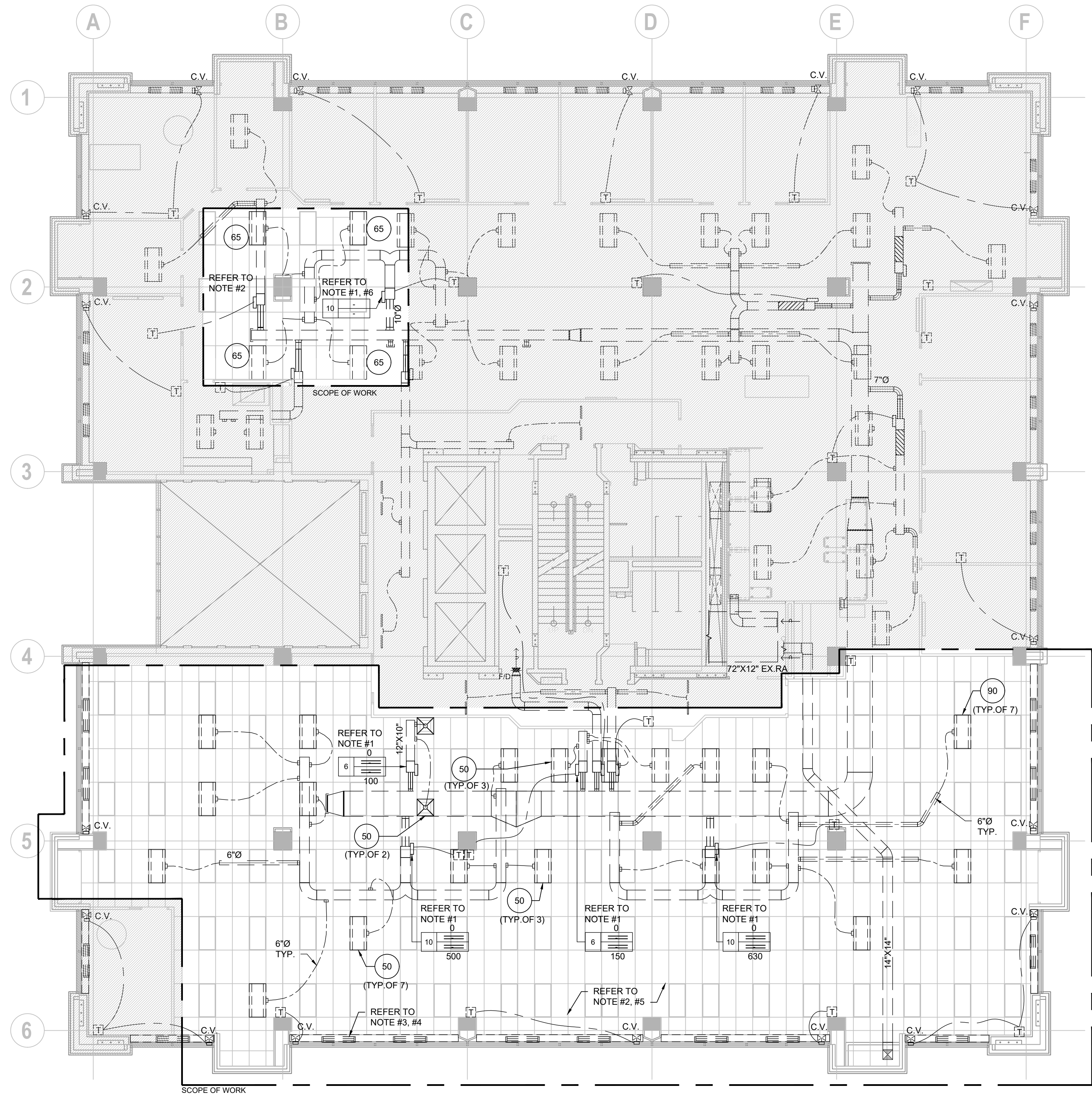
703 DON MILLS ROAD, 02-03FL
TORONTO ON M3C 3N3

Drawing Title:

MECHANICAL DRAWING LIST
AND LEGENDS

Drawn By: AC
Checked By: RC/MG
Scale: N.T.S.
Project number: 91002.010.MED.001
Drawing Number:

TM-0.1



- GENERAL NOTES:
- DO NOT SCALE DRAWINGS. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR SPECIFIED THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. DETERMINE THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS BASED ON THE SITE CONDITIONS. REVIEW ALL REVISIONS WITH THE CONSULTANT.
 - REFER TO THE STANDARD DETAILS AND DETAIL SHEETS FOR ADDITIONAL INFORMATION.

- DRAWING NOTES:
1. EXISTING VAV BOX TO REMAIN. INSPECT AND VERIFY THE OPERATION OF THE VAV BOX AND ASSOCIATED CONTROL DEVICES. PROVIDE A WRITTEN REPORT IDENTIFYING ALL INOPERABLE OR DAMAGED CONTROL DEVICES AND PROVIDE AN ITEMIZED COST ASSOCIATED WITH REPAIR OR REPLACEMENT AS REQUIRED. (TYPICAL)
 2. PRIOR TO CONSTRUCTION, AIR BALANCING CONTRACTOR SHALL CONDUCT AN AIRFLOW AUDIT OF EXISTING DIFFUSERS AND ASSOCIATED VAV BOXES WITHIN SCOPE OF WORK AREA. RECORD AIRFLOWS AND ISSUE AIR AUDIT REPORT TO MECHANICAL ENGINEER. ENGAGE LANDLORD APPROVED BALANCING CONTRACTOR FOR ALL BALANCING WORK.
 3. EXISTING PERIMETER INDUCTION UNITS TO REMAIN. PROVIDE PROTECTION DURING CONSTRUCTION. COVER ALL UNITS WITH PLASTIC SHEETING, TIGHTLY FIT AND TAPED TO PROTECT AGAINST INTRUSION OF DUST AND DEBRIS. (TYPICAL)
 4. PRIOR TO CONSTRUCTION, INSPECT AND VERIFY THE OPERATION OF CONTROL VALVES AND THERMOSTATS FOR PERIMETER INDUCTION UNITS. PROVIDE A WRITTEN REPORT IDENTIFYING ALL INOPERABLE OR DAMAGED CONTROL DEVICES AND PROVIDE AN ITEMIZED COST ASSOCIATED WITH REPAIR OR REPLACEMENT AS REQUIRED. (TYPICAL)
 5. BALANCE THE SUPPLY AIR DIFFUSERS AND ASSOCIATED VAV BOXES WITHIN SCOPE OF WORK AREA AS PER AIR QUANTITY INDICATED. FINAL VALUES ARE SUBJECT TO ENGINEER REVIEW AND ADJUSTMENT BASED ON PRE-DEMOLITION AIR AUDIT RESULTS.
 6. BALANCE THE SUPPLY AIR DIFFUSER AS PER AIR QUANTITY INDICATED, WHILE MAINTAINING PRE-DEMOLITION MEASURED AIR FLOW TO EXISTING DIFFUSERS SERVED BY THE SAME VAV BOX WITHIN N.I.C. AREAS.
 7. ENGAGE LANDLORD APPROVED BALANCING CONTRACTOR FOR ALL BALANCING WORK.

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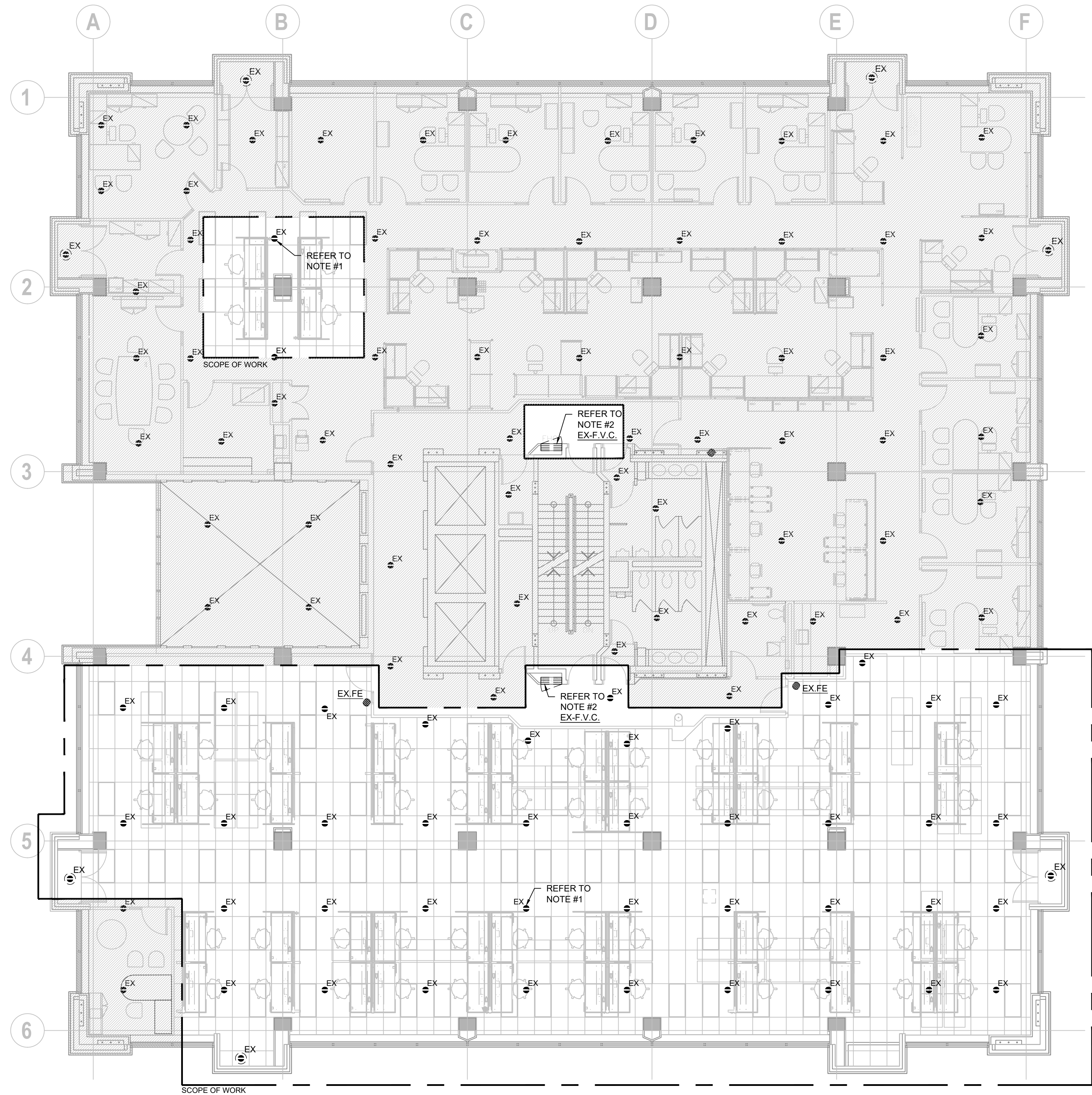
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TORONTO ON M3C 3N3

Drawing Title:

2ND FLOOR - HVAC LAYOUT

Drawn By: AC
Checked By: RCING
Scale: 1/8"=1'-0"
Project number: 91002.010.MED.001
Drawing Number:

TM-2.3



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- DRAWING NOTES:
1. EXISTING PENDENT TYPE SPRINKLER HEAD TO REMAIN. (TYPICAL)
 2. EXISTING FIRE VALVE STATION TO REMAIN.
 3. ALLOW FOR THE REMOVAL AND REINSTALLATION OF SPRINKLER ESCUTCHEON PLATES AT EXISTING LOCATIONS WHERE CEILING TILES ARE REQUIRED TO BE REPLACED TO FACILITATE THE REMOVAL OF POWER POLES.

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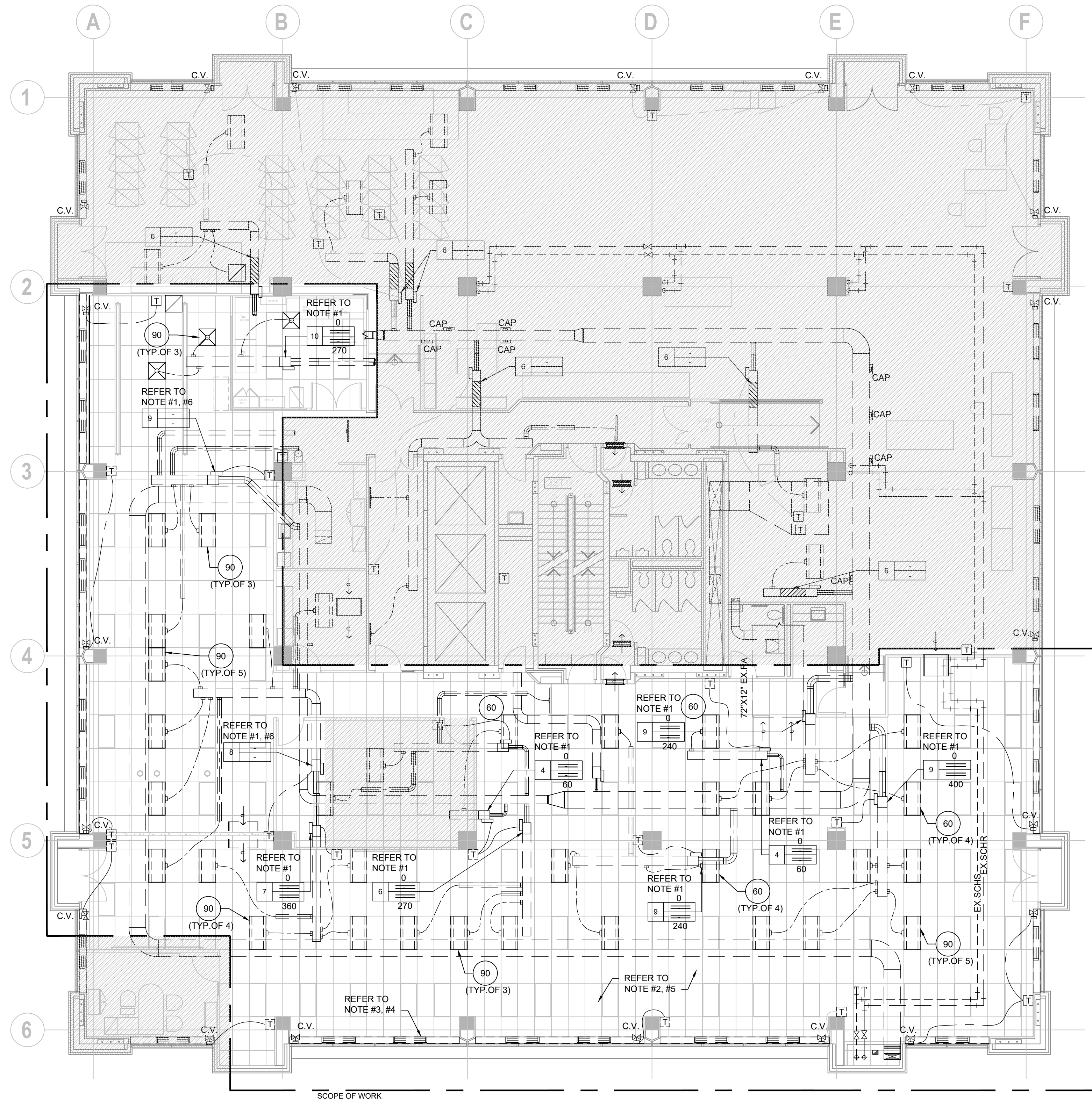
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Drawing Title:

2ND FLOOR - FIRE
PROTECTION LAYOUT

Drawn By:	AC
Checked By:	RCING
Scale:	1/8"=1'-0"
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TM-2.4



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 2. PRIOR TO CONSTRUCTION, AIR BALANCING CONTRACTOR SHALL CONDUCT AN AIRFLOW AUDIT OF EXISTING DIFFUSERS AND ASSOCIATED VAV BOXES WITHIN SCOPE OF WORK AREA. RECORD AIRFLOWS AND ISSUE AIR AUDIT REPORT TO MECHANICAL ENGINEER. ENGAGE LANDLORD APPROVED BALANCING CONTRACTOR FOR ALL BALANCING WORK.
 3. EXISTING PERIMETER INDUCTION UNITS TO REMAIN. PROVIDE PROTECTION DURING CONSTRUCTION, COVER ALL UNITS WITH PLASTIC SHEETING, TIGHTLY FIT AND TAPED TO PROTECT AGAINST INTRUSION OF DUST AND DEBRIS. (TYPICAL)
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 7. ENGAGE LANDLORD APPROVED AIR BALANCING CONTRACTOR FOR ALL AIR BALANCING WORK.

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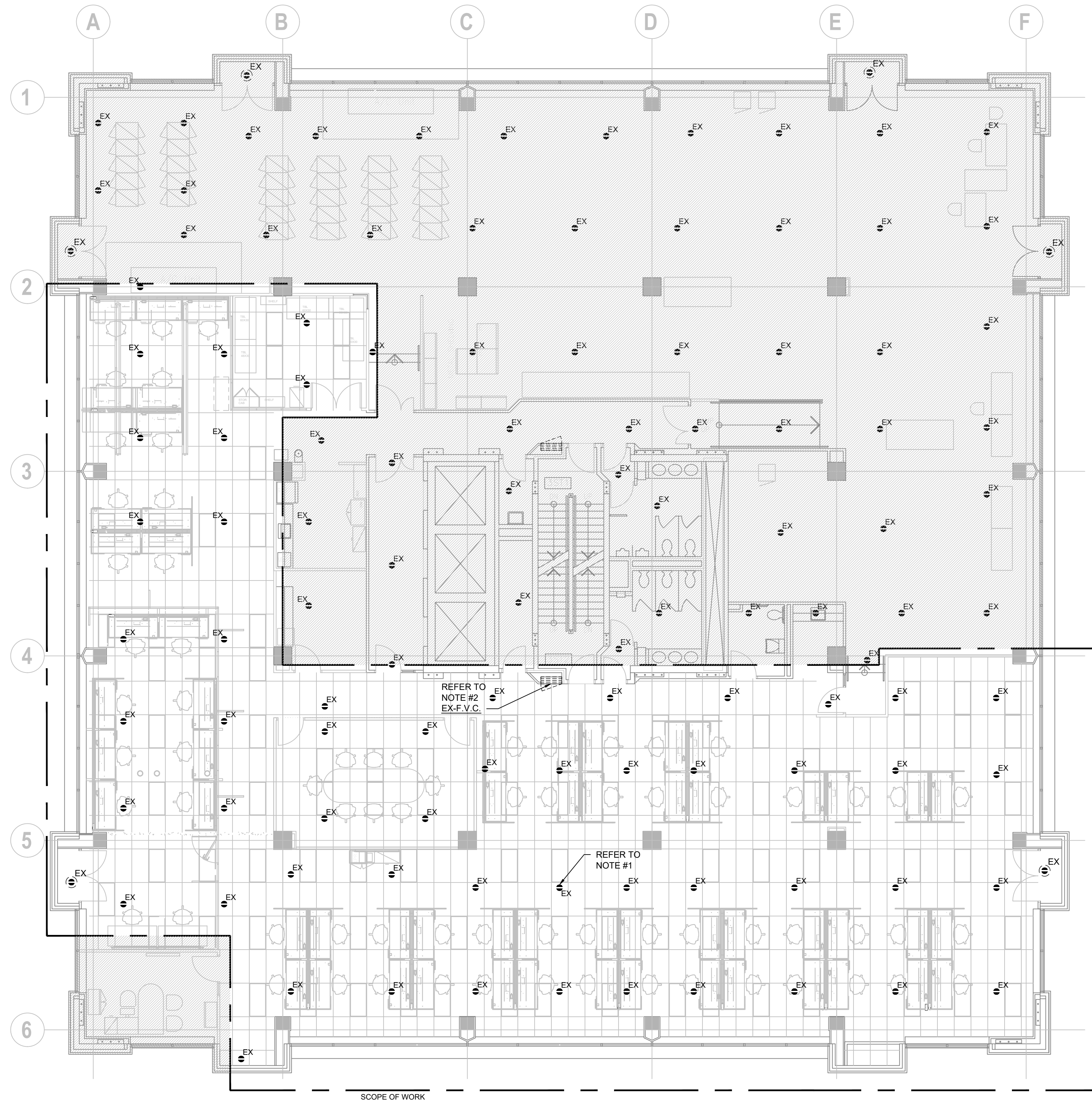
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Drawing Title:

3RD FLOOR - HVAC LAYOUT

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TM-3.3



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Drawing Title:

3RD FLOOR - FIRE
PROTECTION LAYOUT

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Scale: 1/8"=1'-0"
Project number: 91002.010.MED.001
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TM-3.4