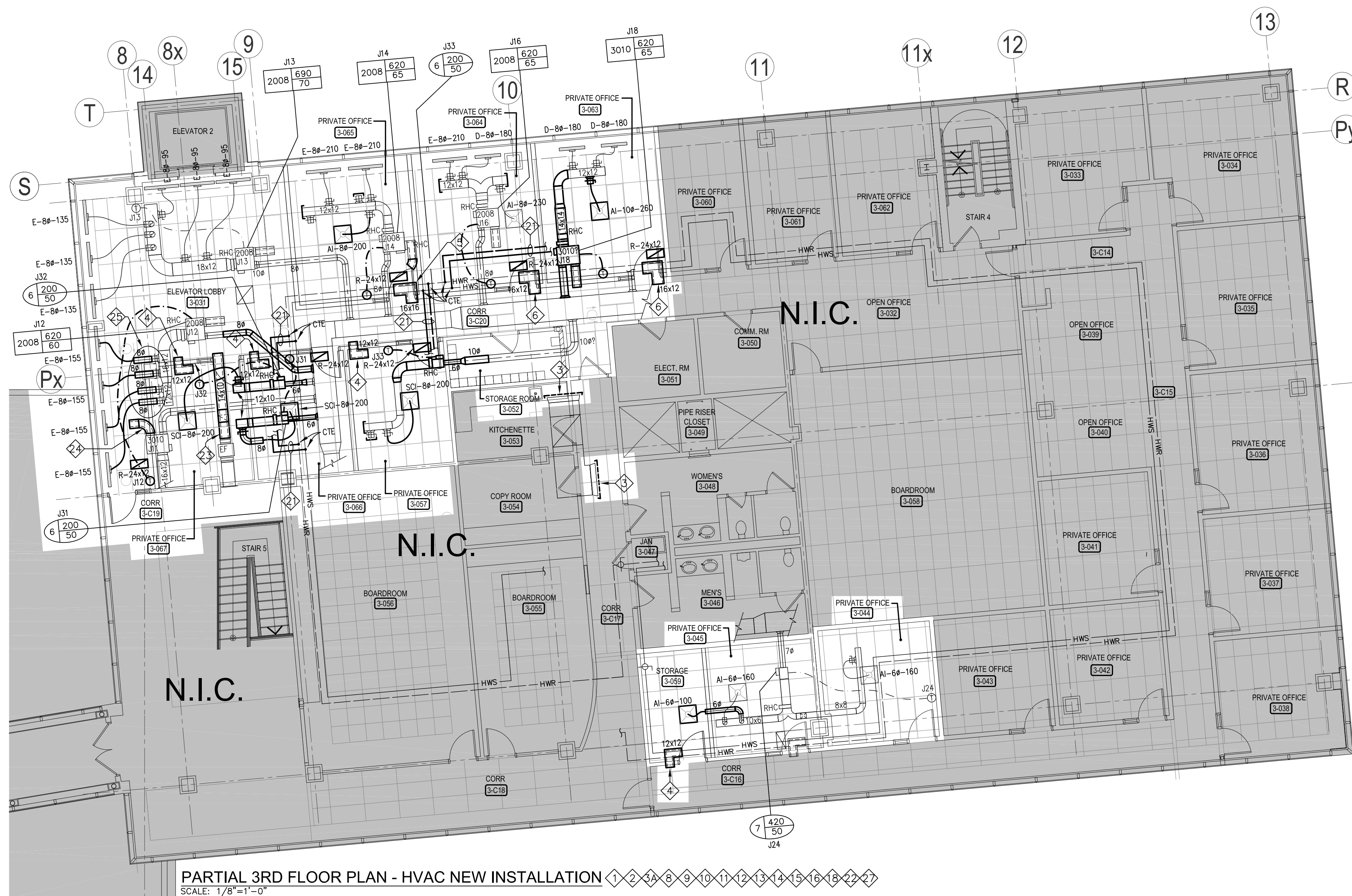
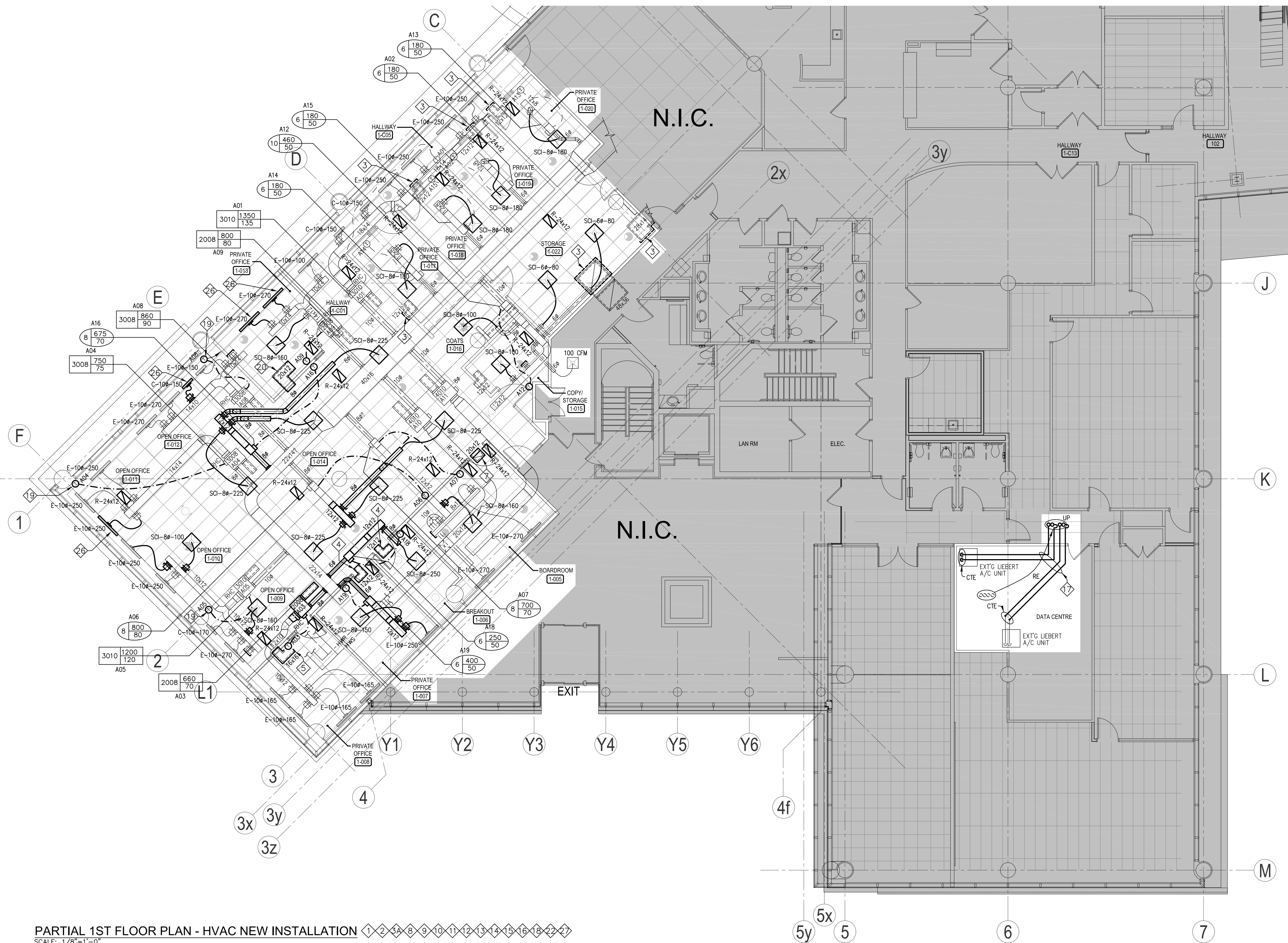




- 1. ALL CONSTRUCTION WORK IN THE BUILDING MUST BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE REGULATION.
- 2. ALL EXIST'G VAN BOXES & FAN POWERED BOXES ARE COMPLETE WITH DDC CONTROLS. ALL HVAC SYSTEMS INCLUDING ALL PROGRAMMING, BAS COMPUTER GRAPHICS, ETC. SHALL BE MAINTAINED, REPAIRING, REPLACING, AND/OR REPROGRAMMING (TEMPERATURE SENSORS, ETC.) SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR (AUTOMATED LOGIC FOR THE EXIST'G VAN BOXES & FAN POWERED BOXES 416-275-6482 (C)). ALLOW FOR RE-HUMIDIFIER RELOCATION. EXIST'G VAN BOXES & FAN POWERED BOXES AS REQUIRED.
- 3. PROVIDE TEMPORARY FLOOR TO COVER THE RETURN AIR DUCT OPENING FOR THE DURATION OF THE PROJECT. REMOVE ALL TEMPORARY FLOOR PRIOR TO AIR BALANCING AT THE END OF THE PROJECT.
- 4. PROVIDE TEMPORARY FLOOR COVERS AT THE RETURN AIR DUCT OPENINGS OF ALL FAN POWERED BOXES & FAN POWERED BOXES FOR THE DURATION OF THE PROJECT. REMOVE ALL TEMPORARY FLOOR COVERS PRIOR TO AIR BALANCING AT THE END OF THE PROJECT.
- 5. EXIST'G 12"x12" 1" SHAPE TRANSFER AIR DUCTS SHALL BE REMOVED, KEPT SEAF, & REINSTALLED AT NEW LOCATIONS. SEE DRAWINGS M-3 & M-4 FOR NEW LOCATIONS.
- 6. EXIST'G 16"x16" 1" SHAPE TRANSFER AIR DUCTS SHALL BE REMOVED, KEPT SEAF, & REINSTALLED AT NEW LOCATIONS. SEE DRAWINGS M-3 & M-4 FOR NEW LOCATION.
- 7. EXIST'G 16"x12" 1" SHAPE TRANSFER AIR DUCTS SHALL BE REMOVED, KEPT SEAF, & REINSTALLED AT NEW LOCATIONS. SEE DRAWINGS M-3 & M-4 FOR NEW LOCATIONS.
- 8. REMOVE EXIST'G ABANDONED FAN POWERED BOX & ALL ITS DDC COMPONENTS. CAP OFF ALL ITS ASSOCIATED HEATING WATER PIPING.
- 9. REMOVE EXIST'G ABANDONED VAN BOX & ALL ITS ASSOCIATED HEATING WATER PIPING.
- 10. REROUT EGT REFRIGERANT PIPING & CONTROL WIRING OF THE TWO (2) EXIST'G 1ST FLOOR DATA CENTRE CABINETS /U/ C/UNITS.
- 11. REPLACE EXIST'G VAN BOX WITH NEW LARGER SIZE.
- 12. RELOCATE EXIST'G FAN POWERED BOX. RELOCATE & REPAIR EXIST'G DDC CONTROLS TO MATCH EXIST'G FAN POWERED BOX LOCATION. RELOCATE & REPAIR PIPING INSULATION AS REQUIRED.
- 13. RELOCATE EXIST'G VAN BOX.
- 14. RELOCATE EXIST'G PERIMETER LINEAR DEFUSER. MOOIFY & PROVIDE NEW DIFFUSER SURFACE MOUNTED DEFUSER TO MATCH EXIST'G LINEAR DEFUSER 2" SLOTS, 1" SLOT WIDTH, 1" SLOTTED DEPTH. PROVIDE NEW DEFUSER PLATES (MATT BLACK COLOUR) WITH A LAYER OF 1/2" POLYURETHANE INSULATION AS REQUIRED. INFORM C/CA TO ALLOW FOR ANY REPAIRS & REPAIRING OF DRYWALL CEILING PRIOR TO FENDER CLOSE.



PARTIAL 3RD FLOOR PLAN - HVAC NEW INSTALLATION 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
SCALE: 1/8"=1'-0"



PARTIAL 1ST FLOOR PLAN - HVAC NEW INSTALLATION 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
SCALE: 1/8"=1'-0"

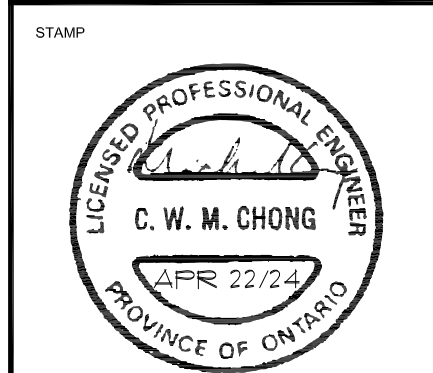
NOTES

1. ALL CONSTRUCTION WORK IN THE BUILDING MUST BE CARRIED OUT IN STRICT ACCORDANCE WITH OWNER'S RULES & REGULATIONS.
2. ALL EXTG VAV BOXES & FAN POWERED BOXES ARE COMPLETE WITH ISO CONTROLS. ALL HVAC CONTROL WORK (INCLUDING ALL PROGRAMMING, BAS COMPUTER GRAPHICS UPDATE, CONTROL HARDWARES & WIRING, RELOCATION OF TEMPERATURE SENSORS, ETC.) SHALL BE PERFORMED BY BASE BUILDING HVAC CONTROL CONTRACTOR (AUTOMATED LOGIC CONTRACT: MARYAM PEZMAN, 905-680-0878 (TW), 416-575-6486 (C)). ALLOW FOR RE-NUMBERING OF VAV BOXES & FAN POWERED BOXES AS REQUIRED.
3. PROVIDE TEMPORARY FILTER TO COVER THE RETURN AIR DUCT OPENING FOR THE DURATION OF THE PROJECT. REMOVE THE TEMPORARY FILTER PRIOR TO AIR BALANCING AT THE END OF THE PROJECT.
- 3a. PROVIDE TEMPORARY FILTER COVERS AT THE RETURN AIR DUCT OPENINGS OF ALL FAN POWERED BOXES (NEW & EXTG) IN THE RENOVATION AREAS FOR THE DURATION OF THE PROJECT. REMOVE ALL TEMPORARY FILTER COVERS PRIOR TO AIR BALANCING AT THE END OF THE PROJECT.
4. REINSTALL EXTG RELOCATED 12"x12" 'L' SHAPE TRANSFER AIR DUCT.
5. REINSTALL EXTG RELOCATED 16"x16" 'L' SHAPE TRANSFER AIR DUCT.
6. REINSTALL EXTG RELOCATED 16"x12" 'L' SHAPE TRANSFER AIR DUCT.
7. REINSTALL EXTG RELOCATED 20"x12" 'L' SHAPE TRANSFER AIR DUCT.
8. ALL EXTG RIGID DUCTWORK (ROUND & RECTANGULAR) ARE EXTERNALLY INSULATED. UNLESS THE DUCTS ARE INTERNALLY INSULATED, ALL NEW RIGID DUCTS SHALL BE EXTERNALLY INSULATED WITH 1" THICK INSULATION TO MATCH EXTG. REPAIR ANY LOOSE INSULATION AS REQUIRED.
9. PROVIDE ADDITIONAL CROSS TEES FOR ALL DIFFUSERS & AIR GRILLES AS REQUIRED.
10. ALL NEW & EXTG DUCT CONNECTIONS (JOINTS & SEAMS) ARE TO BE SEALED WITH DUCT SEALER TO PROVIDE AN AIR TIGHT DUCT SYSTEM. DUCT TAPE IS NOT ACCEPTABLE. PROVIDE AIR SEALANT WHEN BASE BUILDING AIR HANDLING UNITS ARE "OFF".
11. ALL UNUSED SPRING OR DUCTWORK OPENINGS SHALL BE CAPPED OFF.
12. PROVIDE AIR BALANCING FOR ALL VAV BOXES, FAN POWERED BOXES, EXHAUST FAN, & THEIR ASSOCIATED DIFFUSERS & AIR GRILLES TO THE AIR VALUES AS SHOWN ON THIS FLOOR PLAN. ARRANGE & PAY FOR BASE BUILDING HVAC CONTROL CONTRACTOR TECHNICIAN (AUTOMATED LOGIC) TO BE PRESENT AT SITE DURING AIR BALANCING FOR CALIBRATION OF VAV & FAN POWERED BOX CONTROLLERS. ALLOW FOR TWO (2) ADDITIONAL AIR BALANCING TRIPS WITHIN 1 YEAR FROM THE END OF THE PROJECT FOR FUTURE AIR FLOW ADJUSTMENT.
13. UNLESS OTHERWISE NOTED, ALL BALANCING DAMPERS & VAV BOXES SHALL BE ACCESSIBLE & SHALL NOT BE ABOVE DRYWALL CEILING.
14. UNLESS OTHERWISE SHOWN, NEW FLEXIBLE DUCTWORK TO HAVE A MAXIMUM LENGTH OF 10'. CONNECT DUCTWORK TO DIFFUSERS AND RIGID DUCTWORK WITH A MINIMUM OF 3 TAPPING SCREWS, SEAL WITH DUCT SEALER. FLEXIBLE DUCTWORK TO BE SUPPORTED FROM BUILDING STRUCTURE WHERE IT IS NOT SELF-SUPPORTING AND MUST NOT BE ALLOWED TO LIE ON CEILING OR OTHER EQUIPMENT.
15. REPLACE ALL FAN POWERED BOX AIR FILTERS AT THE END OF THE PROJECT.
16. ALL NEW DUCT ELBOWS SHALL BE FULL RADIUS ELBOWS. SEE "FULL RADIUS ELBOW DETAIL".
17. RELOCATE EXTG REFRIGERANT PIPING & CONTROL WIRING OF THE TWO (2) EXTG DATA CENTRE LIBERTY A/C UNITS. PROVIDE NEW CONTROL WIRING AS REQUIRED. CONTRACTOR SHALL RELOCATE THE REFRIGERANT PIPING & CONTROL WIRING OF ONE (1) LIBERTY A/C UNIT & RE-COMMISSION THIS A/C UNIT. BEFORE RELOCATE THE REFRIGERANT PIPING & CONTROL WIRING OF THE SECOND LIBERTY A/C UNIT. CONTRACTOR SHALL VERIFY EXTG PIPE SIZES PRIOR TO TENDER CLOSE.
18. CONFIRM ALL TEMPERATURE SENSOR MOUNTING LOCATIONS WITH INTERIOR DESIGNER & ENGINEER PRIOR TO ROUGH-INS TO AVOID INTERFERENCE WITH FURNITURE.
19. PROVIDE SURFACE MOUNT BACKBOX & CONDUIT FOR SURFACE MOUNT TEMPERATURE SENSOR ON CONCRETE COLUMN. SEE "SURFACE MOUNT SENSOR DETAIL".
20. PROVIDE NEW 'L' SHAPE TRANSFER AIR DUCT. SEE DETAIL ON DRAWING M-5, DIMENSIONS (OUTSIDE DIMENSIONS) AS SHOWN ON FLOOR PLAN.
21. PROVIDE NEW 3/4" HEATING WATER SUPPLY & RETURN PIPING C/W PIPING INSULATION, ISOLATION VALVES, 2-WAY DDC CONTROL VALVE WITH SOLID ACTUATOR TO MATCH EXTG BUILDING STANDARD. SEE "HOT WATER HEATING COIL PIPING DETAIL". CONNECT HEATING WATER SUPPLY & RETURN PIPING TO THE CLOSEST BUILDING HEATING WATER PIPING LOOPS AS SHOWN. VERIFY EXACT LOCATION AT SITE.
22. ALL NEW HWS & HWR LINES SHALL BE INSULATED WITH 1" THICK PREMOULDED PIPE INSULATION WITH FACTORY APPLIED VAPOUR SEAL JACKET OF VINYL COATED FOIL CRAFT LAMINATE WITH REINFORCING OF OPEN MESH GLASS FIBRE. ALL NEW HWS & HWR PIPING SHALL BE TYPE 'L' COPPER. ALLOW FOR ADDITIONAL 250' OF PIPING INSULATION TO BE USED WHERE IS MISSING ON EXTG PIPING COMBINED ON ALL THREE FLOORS.
23. REMOVE EXTG EXHAUST FAN DISCHARGE DUCT & REPLACE IT WITH A STRAIGHT INTERNALLY INSULATED DUCT TO EXTEND TO OUTSIDE OF PRIVATE OFFICE 3-067. PROVIDE ALL NECESSARY ELBOW(S) AS REQUIRED TO AVOID INTERFERENCE. SIZE TO MATCH EXTG.
24. REMOVE EXTG FAN POWERED BOX RETURN DUCT & REPLACE IT WITH AN INTERNALLY INSULATED ELBOW DUCT TO EXTEND TO OUTSIDE OF PRIVATE OFFICE 3-067 (MIN. 30" IN LENGTH). SIZE TO MATCH EXTG.
25. EXTEND THESE FOUR (4) RIGID DUCTS TO OUTSIDE OF PRIVATE OFFICE 3-067. PROVIDE ALL NECESSARY ELBOW(S) AS REQUIRED TO AVOID INTERFERENCE.
26. RELOCATED DIFFUSER. SEE NOTE #10 ON DRAWING M-1.
27. ALLOW FOR DRAINING & REFILLING OF THE HEATING WATER LOOPS ON EACH FLOOR TO MAKE THE NEW PIPING CONNECTIONS.

Tanco Engineering Limited
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Scarborough, Ontario
M1V 5E4 (416) 321-3022

No. Date Issued or Revised

Apr 22, 2024 Issued for Tender



PROJECT:
PEEL REGIONAL POLICE
1ST, 2ND & 3RD FLOORS
7150 MISSISSAUGA ROAD
MISSISSAUGA, ON

DRAWING TITLE:
**PARTIAL 1ST & 3RD FLOOR
PLANS - HVAC NEW
INSTALLATION**

SCALE: AS NOTED DATE: JUL, 2023

DRAWN BY: A.L.M.C. PROJECT NO: 2314

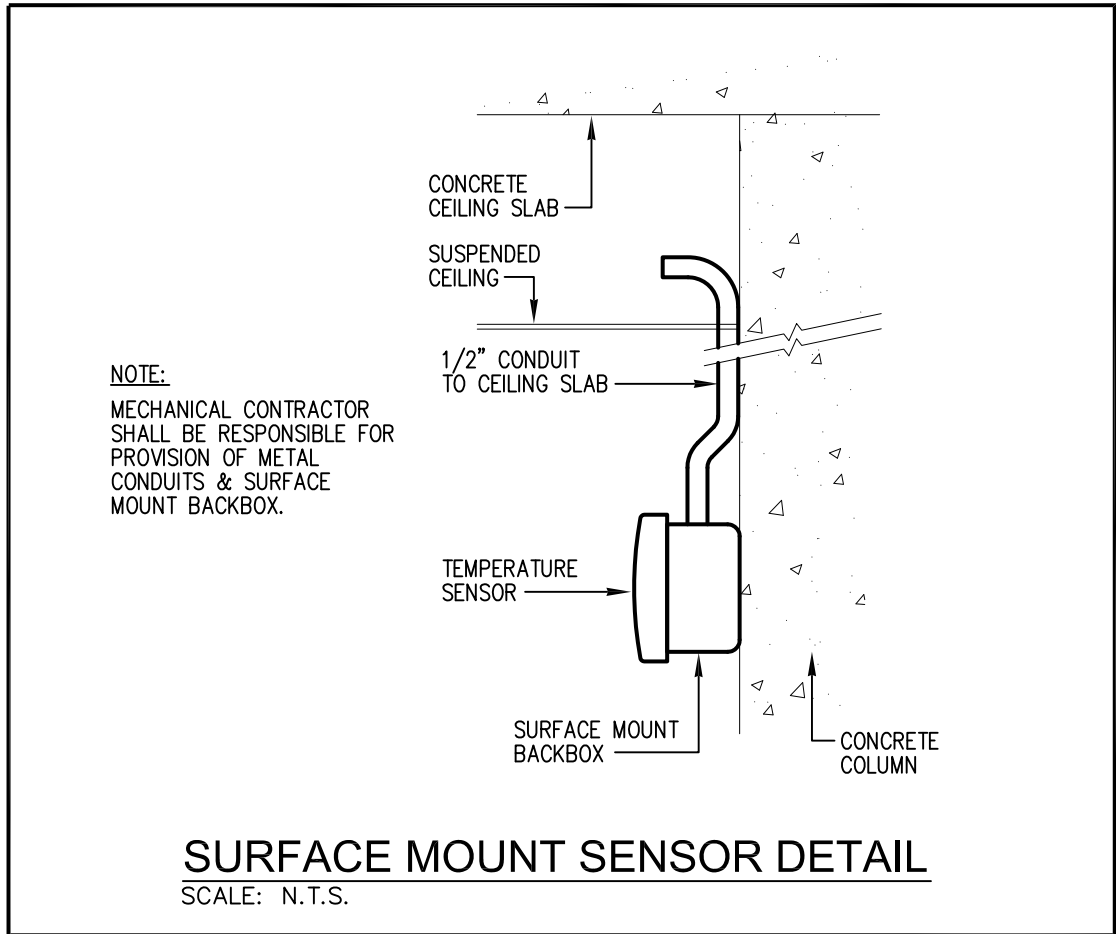
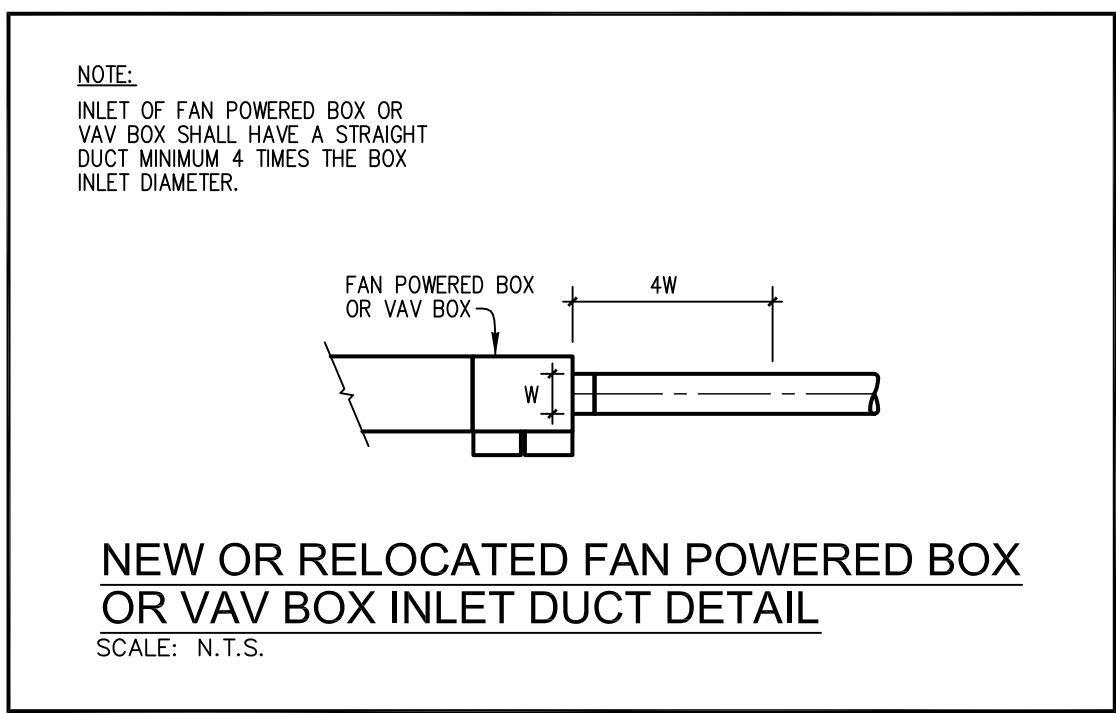
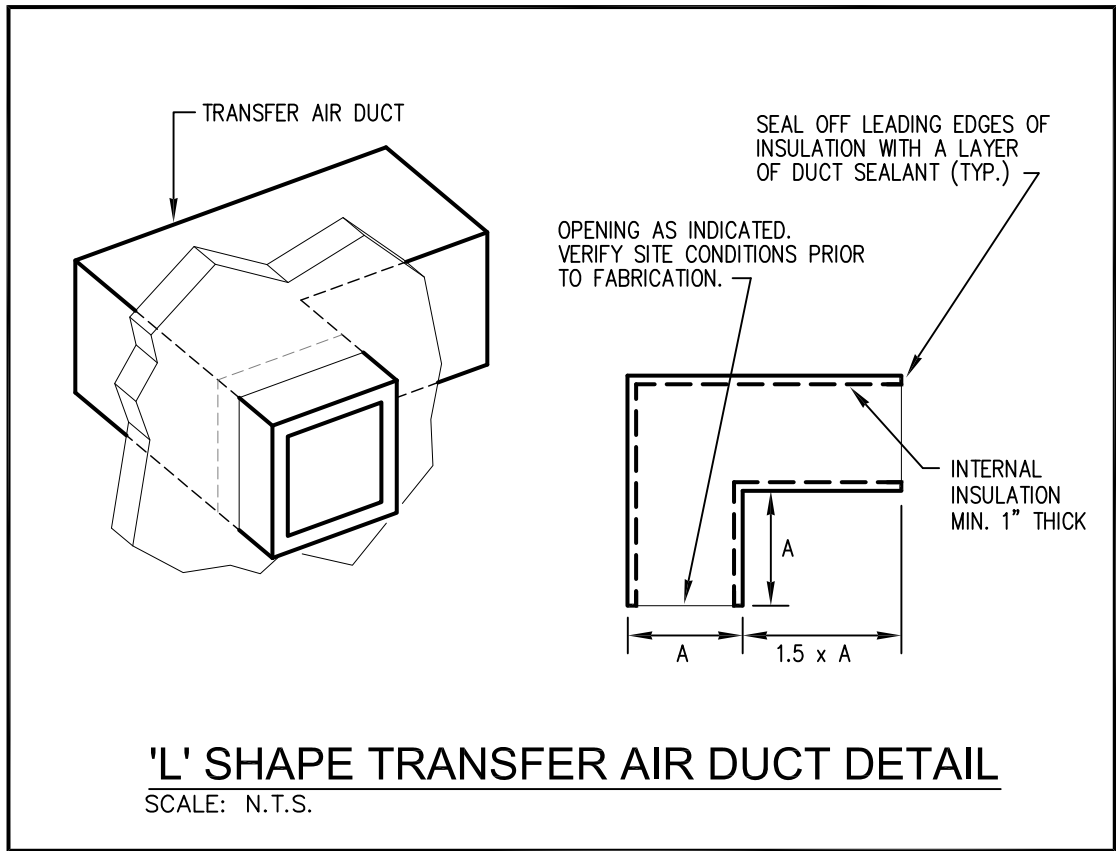
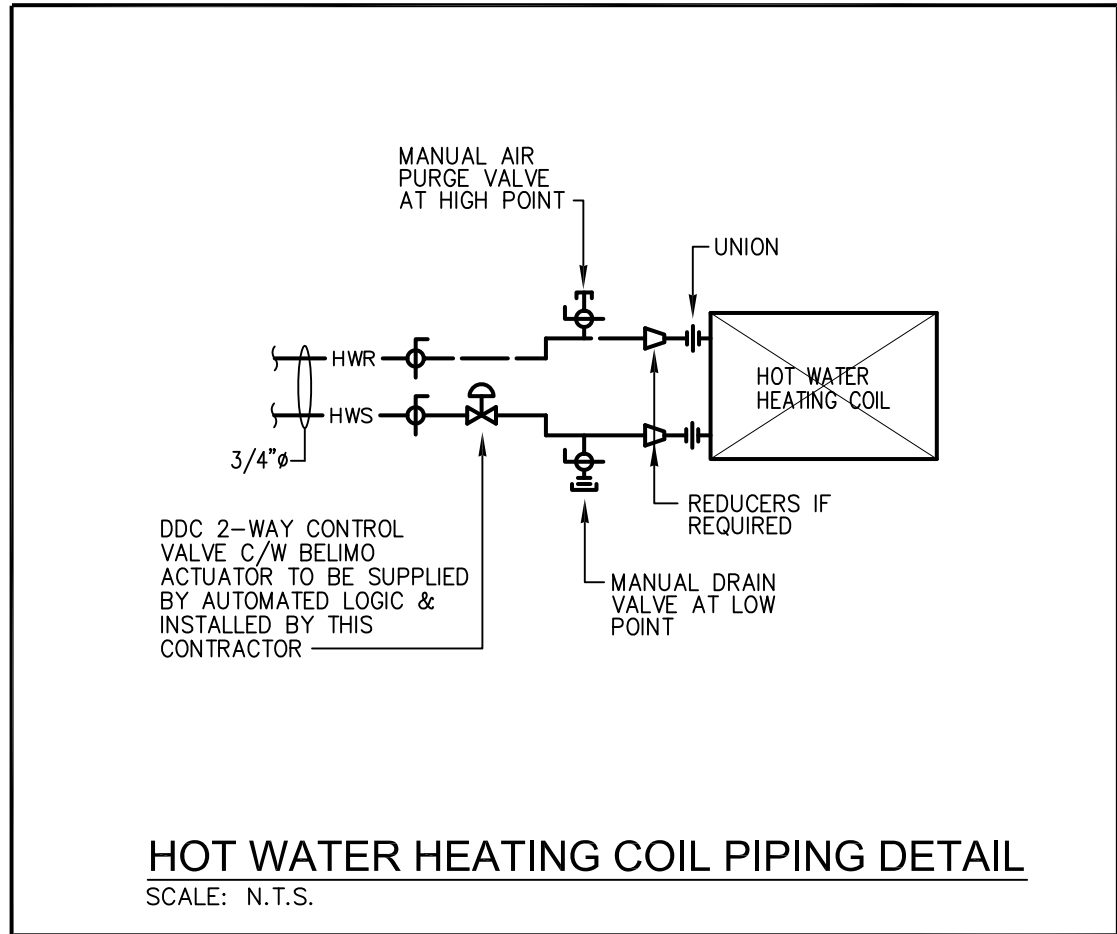
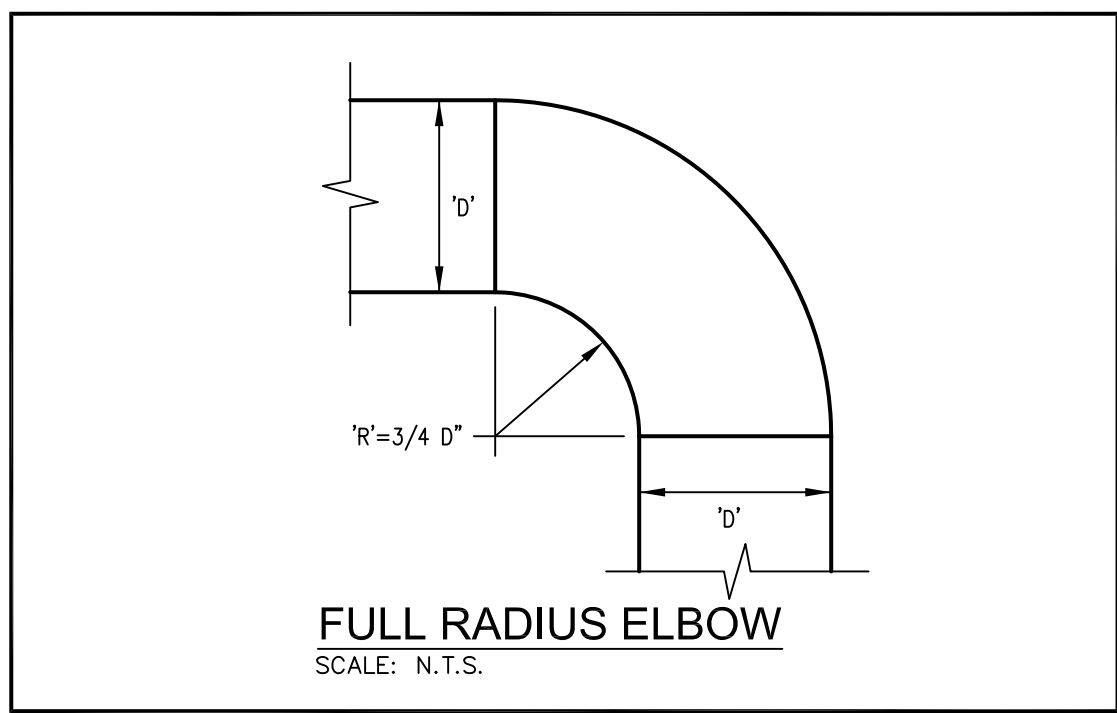
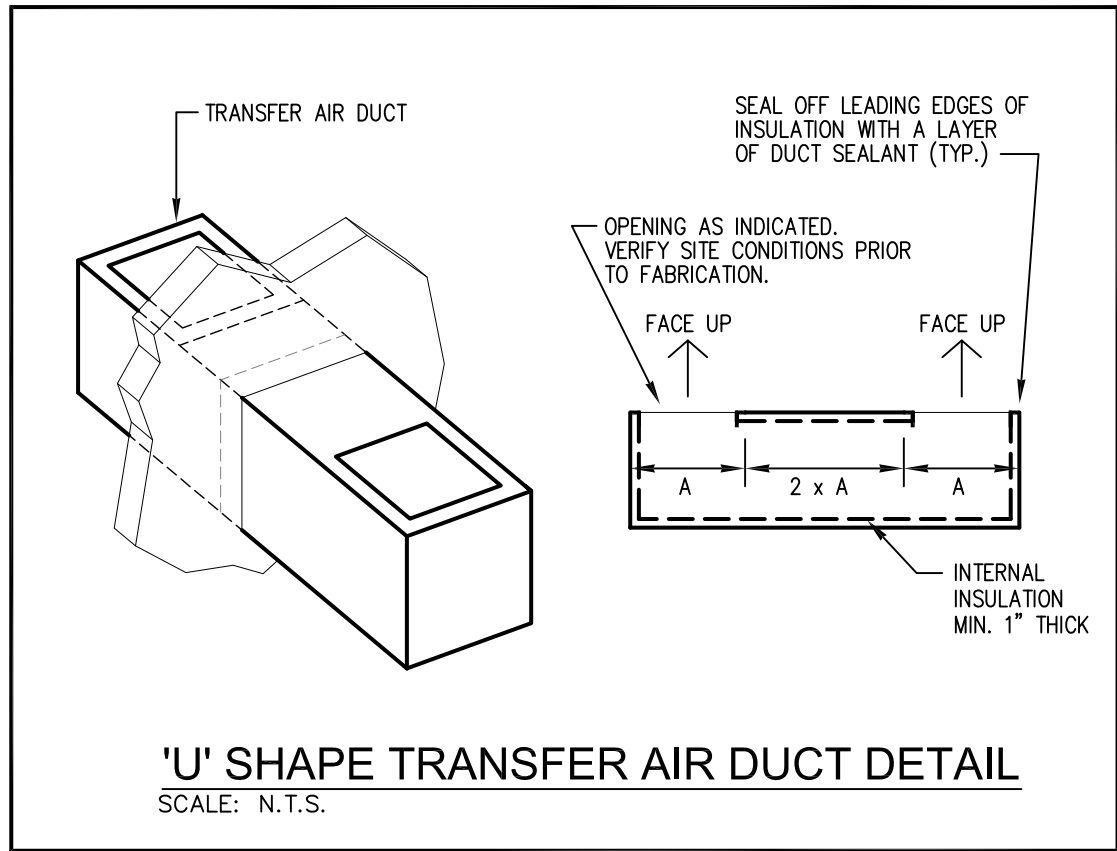
DRAWING NO: **M-3**



AL/MC.	
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AL/MC.	
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DIFFUSER & GRILLE SCHEDULE:

DESIGNATION	MANUFACTURER	MODEL No.	CEILING TYPE	REMARKS	EQUAL
AI	-	-	T-BAR	EXTG 24"x24" SQUARE CONE DIFFUSER / INLET SIZE AS SHOWN ON FLOOR PLAN	
AM	-	-	T-BAR	EXTG 500MMx500MM SQUARE CONE DIFFUSER / INLET SIZE AS SHOWN ON FLOOR PLAN	
B	-	-	-	EXTG LIGHT TROFFER DIFFUSER / DOUBLE SLOED / INLET SIZE AS SHOWN ON FLOOR PLAN	
C	-	-	DRYWALL	EXTG 24" PLENUM SLOT DIFFUSER / 2 SLOTS / 1" SLOT WIDTH INLET SIZE AS SHOWN ON FLOOR PLAN	
D	-	-	DRYWALL	EXTG 36" PLENUM SLOT DIFFUSER / 2 SLOTS / 1" SLOT WIDTH INLET SIZE AS SHOWN ON FLOOR PLAN	
E	-	-	DRYWALL	EXTG 48" PLENUM SLOT DIFFUSER / 2 SLOTS / 1" SLOT WIDTH INLET SIZE AS SHOWN ON FLOOR PLAN	
F	-	-	DRYWALL	EXTG 12" PLENUM SLOT DIFFUSER / 2 SLOTS / 1" SLOT WIDTH INLET SIZE AS SHOWN ON FLOOR PLAN	
GS	E.H. PRICE	5200/812	DRYWALL	NEW STEEL SUPPLY AIR GRILLE / DOUBLE DEFLECTORS / TO BE PAINTED BY G.C. SIZES AS SHOWN ON FLOOR PLAN	NALOR, TITUS
L1	E.H. PRICE	SDS/TYPE 8/SDB	DRYWALL	NEW 48" LENGTH LINEAR DIFFUSER / 1 SLOT / 1" SLOT WIDTH / TYPE 8 MUD-IN FRAME (X-X W/RED ENDS) / SDB PLENUM / VORREC CABLE OPERATED DAMPER / PROVIDE CONTIGUOUS FRAME WHERE MULTIPLE TYPE 1" DIFFUSERS ARE SHOWN	NALOR, TITUS
SD	E.H. PRICE	SFO/24"x24"	T-BAR	NEW 24"x24" SQUARE PLATE DIFFUSER / OFF-WHITE FINISH INLET SIZE AS SHOWN ON FLOOR PLAN	NALOR, TITUS
R	E.H. PRICE	80 SERIES	T-BAR	NEW ALUMINUM EGGSHELL FACE RETURN GRILLE / WHITE FINISH / SIZE AS SHOWN ON FLOOR PLAN	NALOR, TITUS

EXHAUST FAN SCHEDULE:

DESIGNATION	DESCRIPTION	MANUFACTURER	MODEL No.	CFM	E.S.P.	FLA	RPM	VOLTAGE	SONES	EQUAL
EF-1	KITCHENETTE 2-034 & CUBBY 2-053 NEW EXHAUST FAN	GREENHECK	CSP-AA10	350	0.35"WC	1.87	1000	120V/1PH	2.0	CARNES, CANAM
NOTES: UNITS SHALL BE C/W HANGING VIBRATION ISOLATORS & INTERNAL SOUND ATTENUATION LINER. FAN SWITCHES SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.										

VAV & FAN POWERED BOX (FPB) SCHEDULE:

UNIT NO.	UNIT TYPE (VAV OR FPB)	SIZE	HOT WATER REHEAT COIL	TEMPERATURE SENSOR	MANUFACTURER	MODEL No.	REMARKS	NOTES	UNIT NO.	UNIT TYPE (VAV OR FPB)	SIZE	HOT WATER REHEAT COIL	TEMPERATURE SENSOR	MANUFACTURER	MODEL No.	REMARKS	NOTES
1ST FLOOR									2ND FLOOR (CONT'D)								
A01	FPB (EXTG TO REMAIN)	3010	YES	EXTG TO REMAIN	-	-	-		F01	VAV (EXTG TO REMAIN)	7	NO	RELOCATE	-	-	-	
A02	VAV (EXTG TO REMAIN)	6	NO	EXTG TO REMAIN	-	-	-		F02	VAV (EXTG TO REMAIN)	7	NO	RELOCATE	-	-	-	
A03	FPB (REPLACE EXTG WITH NEW)	3008 (3008 - EXTG)	YES	RELOCATE	E.H. PRICE (EQUAL: NALOR, TITUS)	FDC5000	-	5	F03	VAV (EXTG TO REMAIN)	8	NO	RELOCATE	-	-	-	PROVIDE SURFACE MOUNT BACKBOX & CONDUIT STUBS ABOVE SUSPENDED CEILING FOR TEMPERATURE SENSOR.
A04	FPB (EXTG TO REMAIN)	3008	YES	RELOCATE	-	-	-		F04	VAV (EXTG TO REMAIN)	6	NO	RELOCATE	-	-	-	
A05	FPB (EXTG TO REMAIN)	3010	YES	RELOCATE	-	-	-		F05	FPB (EXTG TO REMAIN)	3010	YES	RELOCATE	-	-	-	PROVIDE SURFACE MOUNT BACKBOX & CONDUIT STUBS ABOVE SUSPENDED CEILING FOR TEMPERATURE SENSOR.
A06	VAV (EXTG TO REMAIN)	8	NO	RELOCATE	-	-	-		F06	FPB (EXTG TO REMAIN)	4010	YES	EXTG TO REMAIN	-	-	-	
A07	VAV (EXTG TO REMAIN)	8	NO	RELOCATE	-	-	-		F07	FPB (EXTG TO REMAIN)	3008	YES	EXTG TO REMAIN	-	-	-	
A08	FPB (EXTG TO REMAIN)	3008	YES	RELOCATE	-	-	-		F08	FPB (EXTG TO REMAIN)	3008	YES	RELOCATE	-	-	-	
A09	FPB (EXTG TO REMAIN)	2008	YES	RELOCATE	-	-	-		F09	VAV (EXTG TO REMAIN)	10	NO	RELOCATE	-	-	-	
A12	VAV (EXTG TO REMAIN)	10	NO	RELOCATE	-	-	-		F10	FPB (EXTG TO REMAIN)	3010	YES	EXTG TO REMAIN	-	-	-	
A13	VAV (EXTG TO REMAIN)	6	NO	EXTG TO REMAIN	-	-	-		F11	VAV (EXTG TO BE RELOCATED)	6	NO	RELOCATE	-	-	-	4
A14	VAV (EXTG TO REMAIN)	6	NO	EXTG TO REMAIN	-	-	-		F12	VAV (EXTG TO BE RELOCATED)	6	NO	RELOCATE	-	-	-	4
A15	VAV (EXTG TO REMAIN)	6	NO	EXTG TO REMAIN	-	-	-		F13	VAV (EXTG TO REMAIN)	6	NO	EXTG TO REMAIN	-	-	-	
A16	VAV (REPLACE EXTG WITH NEW)	8 (8 - EXTG)	NO	RELOCATE	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	3	F14	VAV (NEW)	6	NO	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1
A18	VAV (NEW)	6	NO	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1	I01	FPB (EXTG TO REMAIN)	2008	YES	EXTG TO REMAIN	-	-	-	
A19	VAV (NEW)	6	NO	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1	I02	FPB (EXTG TO REMAIN)	2008	YES	EXTG TO REMAIN	-	-	-	
2ND FLOOR									I03	FPB (EXTG TO REMAIN)	2008	YES	EXTG TO REMAIN	-	-	-	
D01	FPB (EXTG TO REMAIN)	2006	YES	EXTG TO REMAIN	-	-	-		I04	FPB (EXTG TO REMAIN)	2008	YES	EXTG TO REMAIN	-	-	-	
D02	FPB (EXTG TO REMAIN)	3008	YES	EXTG TO REMAIN	-	-	-		I05	FPB (EXTG TO REMAIN)	2008	YES	EXTG TO REMAIN	-	-	-	
D03	FPB (EXTG TO REMAIN)	3010	YES	EXTG TO REMAIN	-	-	-		I06	FPB (EXTG TO REMAIN)	3010	YES	EXTG TO REMAIN	-	-	-	
D04	FPB (EXTG TO REMAIN)	3008	YES	EXTG TO REMAIN	-	-	-		I07	FPB (EXTG TO REMAIN)	3010	YES	EXTG TO REMAIN	-	-	-	
D05	FPB (EXTG TO REMAIN)	3008	YES	EXTG TO REMAIN	-	-	-		I10	FPB (EXTG TO REMAIN)	3008	YES	EXTG TO REMAIN	-	-	-	
D06	FPB (EXTG TO REMAIN)	3010	YES	RELOCATE	-	-	-	PROVIDE SURFACE MOUNT BACKBOX & CONDUIT STUBS ABOVE SUSPENDED CEILING FOR TEMPERATURE SENSOR.	I11	FPB (EXTG TO REMAIN)	3010	YES	RELOCATE	-	-	-	
D08	VAV (EXTG TO REMAIN)	7	NO	RELOCATE	-	-	-		I12	FPB (EXTG TO REMAIN)	3008	YES	RELOCATE	-	-	-	
D09	VAV (EXTG TO REMAIN)	9	NO	RELOCATE	-	-	-		I13	FPB (EXTG TO REMAIN)	2008	YES	EXTG TO REMAIN	-	-	-	
D10	VAV (EXTG TO REMAIN)	9	NO	RELOCATE	-	-	-		I14	VAV (EXTG TO REMAIN)	10	NO	RELOCATE	-	-	-	VAV BOXES I14 & I15 SHALL BE CONTROLLED BY THE SAME TEMPERATURE SENSOR.
D11	VAV (EXTG TO REMAIN)	6	NO	RELOCATE	-	-	-		I15	VAV (EXTG TO REMAIN)	8	NO	RELOCATE	-	-	-	VAV BOXES I14 & I15 SHALL BE CONTROLLED BY THE SAME TEMPERATURE SENSOR.
D12	VAV (REPLACE EXTG WITH NEW)	10 (8 - EXTG)	NO	RELOCATE	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	3	I16	VAV (EXTG TO REMAIN)	9	NO	RELOCATE	-	-	-	
D13	VAV (NEW)	6	NO	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1	I17	VAV (EXTG TO REMAIN)	9	NO	EXTG TO REMAIN	-	-	-	
D14	VAV (NEW)	6	NO	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1	I23	FPB (EXTG TO REMAIN)	2008	NO	EXTG TO REMAIN	-	-	-	ADD AN ADDITIONAL TEMPERATURE SENSOR IN BREAKOUT ROOM 2-076 TO PROVIDE AVERAGE READING FOR EXTG FPB #23.
E03	FPB (EXTG TO REMAIN)	3010	YES	RELOCATE	-	-	-	PROVIDE SURFACE MOUNT BACKBOX & CONDUIT STUBS ABOVE SUSPENDED CEILING FOR TEMPERATURE SENSOR.	I24	VAV (NEW)	8	NO	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1
E04	FPB (EXTG TO REMAIN)	4010	YES	EXTG TO REMAIN	-	-	-										
E05	FPB (EXTG TO REMAIN)	4010	YES	RELOCATE	-	-	-	PROVIDE SURFACE MOUNT BACKBOX & CONDUIT STUBS ABOVE SUSPENDED CEILING FOR TEMPERATURE SENSOR.	3RD FLOOR								
E06	VAV (EXTG TO REMAIN)	8	NO	RELOCATE	-	-	-		J12	FPB (EXTG TO REMAIN)	2008	YES	RELOCATE	-	-	-	
E07	VAV (EXTG TO REMAIN)	10	NO	RELOCATE	-	-	-	PROVIDE SURFACE MOUNT BACKBOX & CONDUIT STUBS ABOVE SUSPENDED CEILING FOR TEMPERATURE SENSOR.	J13	FPB (EXTG TO REMAIN)	2008	YES	EXTG TO REMAIN	-	-	-	
E09	VAV (EXTG TO REMAIN)	6	NO	RELOCATE	-	-	-		J14	FPB (EXTG TO REMAIN)	2008	YES	RELOCATE	-	-	-	
E10	VAV (EXTG TO REMAIN)	6	NO	RELOCATE	-	-	-		J16	FPB (EXTG TO REMAIN)	2008	YES	RELOCATE	-	-	-	
E11	VAV (EXTG TO REMAIN)	7	NO	RELOCATE	-	-	-		J18	FPB (EXTG TO BE RELOCATED)	3010	YES	RELOCATE	-	-	-	7
E12	FPB (EXTG TO REMAIN)	4010	YES	RELOCATE	-	-	-	PROVIDE SURFACE MOUNT BACKBOX & CONDUIT STUBS ABOVE SUSPENDED CEILING FOR TEMPERATURE SENSOR.	J24	VAV (EXTG TO REMAIN)	7	YES	EXTG TO REMAIN	-	-	-	
E14	VAV (REPLACE EXTG WITH NEW)	8 (6 - EXTG)	NO	RELOCATE	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	3	J31	VAV (NEW)	6	YES	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1 2
E16	VAV (NEW)	6	NO	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1	J32	VAV (NEW)	6	YES	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1 2
E17	VAV (NEW)	6	NO	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1	J33	VAV (NEW)	6	YES	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	SDV5000	-	1 2
E18	FPB (NEW)	2006	YES	NEW	E.H. PRICE (EQUAL: NALOR, TITUS)	FDC5000	-	5									

NOTES:

1. PROVIDE NEW VAV BOX C/W 36" SOUND ATTENUATOR, VELOCITY PRESSURE SENSOR, & ADDITIONAL TEES & CAPS ON VELOCITY PRESSURE SENSOR PNEUMATIC TUBES FOR AIR BALANCING. PROVIDE NEW DDC COMPONENTS (INCLUDING STEPDOWN TRANSFORMER, CONTROLLER, TEMPERATURE SENSOR, ACTUATOR, LINKAGES, WIRING, BAS TIE-IN, & ALL NECESSARY HARDWARES & WIRING). NEW TEMPERATURE SENSOR TO MATCH EXTG DDC COMPONENTS ONTO THE NEW VAV BOX.
2. THE NEW VAV BOX SHALL BE C/W 2-RW HOT WATER REHEAT COIL & SERVICE ACCESS PANEL. NEW 2-WAY CONTROL VALVE & BELMO ACTUATOR SHALL BE SUPPLIED BY AUTOMATED LOGIC & INSTALLED BY CONTRACTOR. NEW CONTROL WIRING SHALL BE PLENUM-RATED.
3. REPLACE EXTG VAV BOX WITH NEW. NEW VAV BOX SHALL BE C/W 36" SOUND ATTENUATOR, VELOCITY PRESSURE SENSOR, & ADDITIONAL TEES & CAPS ON VELOCITY PRESSURE SENSOR PNEUMATIC TUBES FOR AIR BALANCING. REMOVE & REINSTALL ALL EXTG DDC COMPONENTS ONTO THE NEW VAV BOX.
4. RELOCATE EXTG VAV BOX & ITS ASSOCIATED SOUND ATTENUATOR, DDC COMPONENTS (INCLUDING STEPDOWN TRANSFORMER, CONTROLLER, TEMPERATURE SENSOR, ACTUATOR, LINKAGES, WIRING, ETC. PROVIDE BAS TIE-IN, & ALL NECESSARY WIRING. ANY NEW CONTROL WIRING SHALL BE PLENUM-RATED.
5. PROVIDE NEW FAN POWERED BOX C/W 36" SOUND ATTENUATORS AT DISCHARGE OUTLET & RETURN AIR INLET, 2-RW HOT WATER REHEAT COIL, SERVICE ACCESS PANELS, VELOCITY PRESSURE SENSOR, & ADDITIONAL TEES & CAPS ON VELOCITY PRESSURE SENSOR PNEUMATIC TUBES FOR AIR BALANCING. NEW FAN POWERED BOX SHALL BE 120V WITH 1/2HP COM MOTOR. PROVIDE NEW DDC COMPONENTS (INCLUDING STEPDOWN TRANSFORMER, CONTROLLER, TEMPERATURE SENSOR, ACTUATOR, LINKAGES, WIRING, BAS TIE-IN, & ALL NECESSARY HARDWARES & WIRING). NEW 2-WAY CONTROL VALVE & BELMO ACTUATOR SHALL BE SUPPLIED BY AUTOMATED LOGIC & INSTALLED BY CONTRACTOR. NEW CONTROL WIRING SHALL BE PLENUM-RATED.
6. REPLACE EXTG FAN POWERED BOX WITH NEW/NEW FAN POWERED BOX SHALL BE C/W 36" SOUND ATTENUATORS AT DISCHARGE OUTLET & RETURN AIR INLET, 2-RW HOT WATER REHEAT COIL, SERVICE ACCESS PANELS, VELOCITY PRESSURE SENSOR, & ADDITIONAL TEES & CAPS ON VELOCITY PRESSURE SENSOR PNEUMATIC TUBES FOR AIR BALANCING. NEW FAN POWERED BOX SHALL BE 120V WITH 1/2HP COM MOTOR. REMOVE & REINSTALL ALL EXTG DDC COMPONENTS ONTO THE NEW FAN POWERED BOX.
7. RELOCATE EXTG FAN POWERED BOX & ITS ASSOCIATED SOUND ATTENUATORS, DDC COMPONENTS (INCLUDING STEPDOWN TRANSFORMER, CONTROLLER, TEMPERATURE SENSOR, ACTUATOR, LINKAGES, WIRING, ETC. PROVIDE BAS TIE-IN, & ALL NECESSARY WIRING. ANY NEW CONTROL WIRING SHALL BE PLENUM-RATED.
8. ALL HVAC DDC CONTROLS WORK (INCLUDING RELOCATION OF TEMPERATURE SENSORS, SUPPLY OF STEPDOWN TRANSFORMER, & ASSISTANCE TO ALL AIR & WATER BALANCING) SHALL BE PERFORMED BY BASE BUILDING HVAC CONTROLS CONTRACTOR. AUTOMATED LOGIC CONTRACT: MARTIN PEARMAN, 416-575-6482, m.pearman@martinpearman.com. THIS NOTE APPLIES TO ALL VAV BOXES & FAN POWER BOXES IN THIS SCHEDULE.

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No. Date Issued or Revised

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Stamp: Licensed Professional Engineer
G. W. M. CHONG
OFFICE 22/2/24
PROVINCE OF ONTARIO

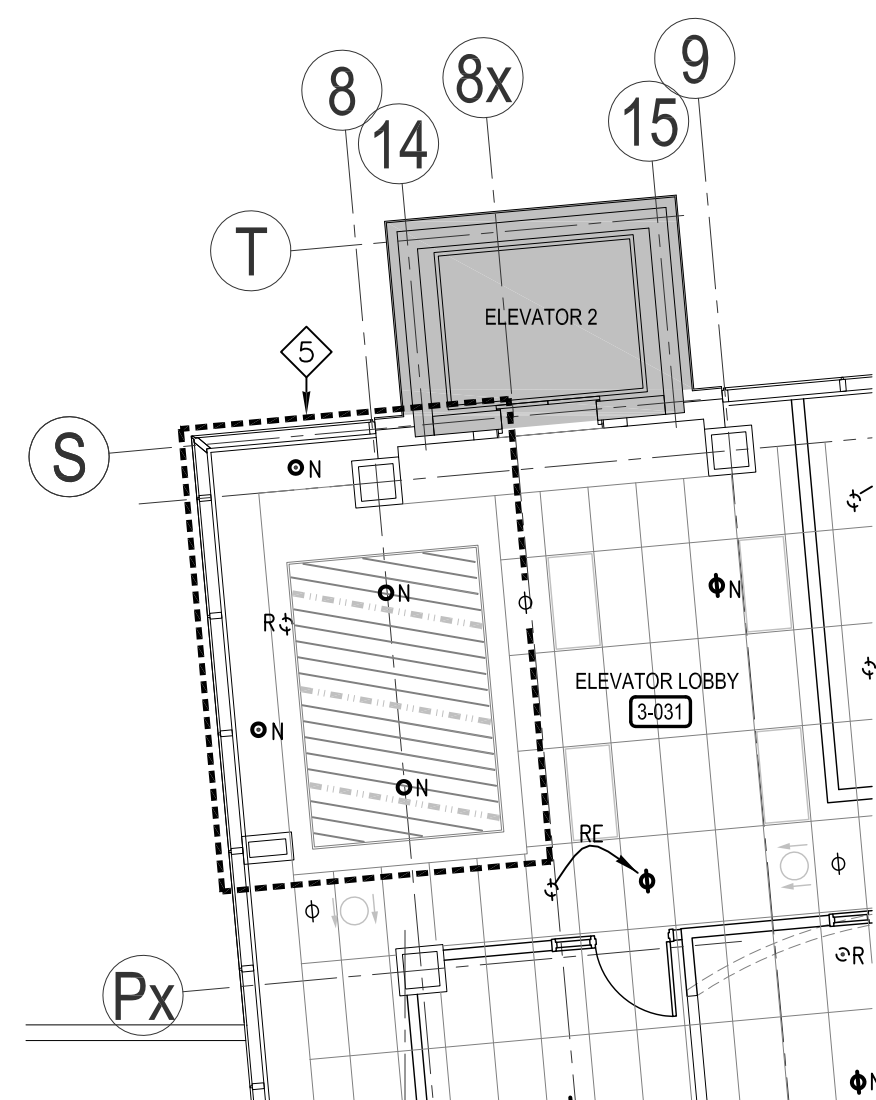
PROJECT:
PEEL REGIONAL POLICE
1ST, 2ND & 3RD FLOORS
7150 MISSISSAUGA ROAD
MISSISSAUGA, ON

DRAWING TITLE:
HVAC SCHEDULES & DETAILS

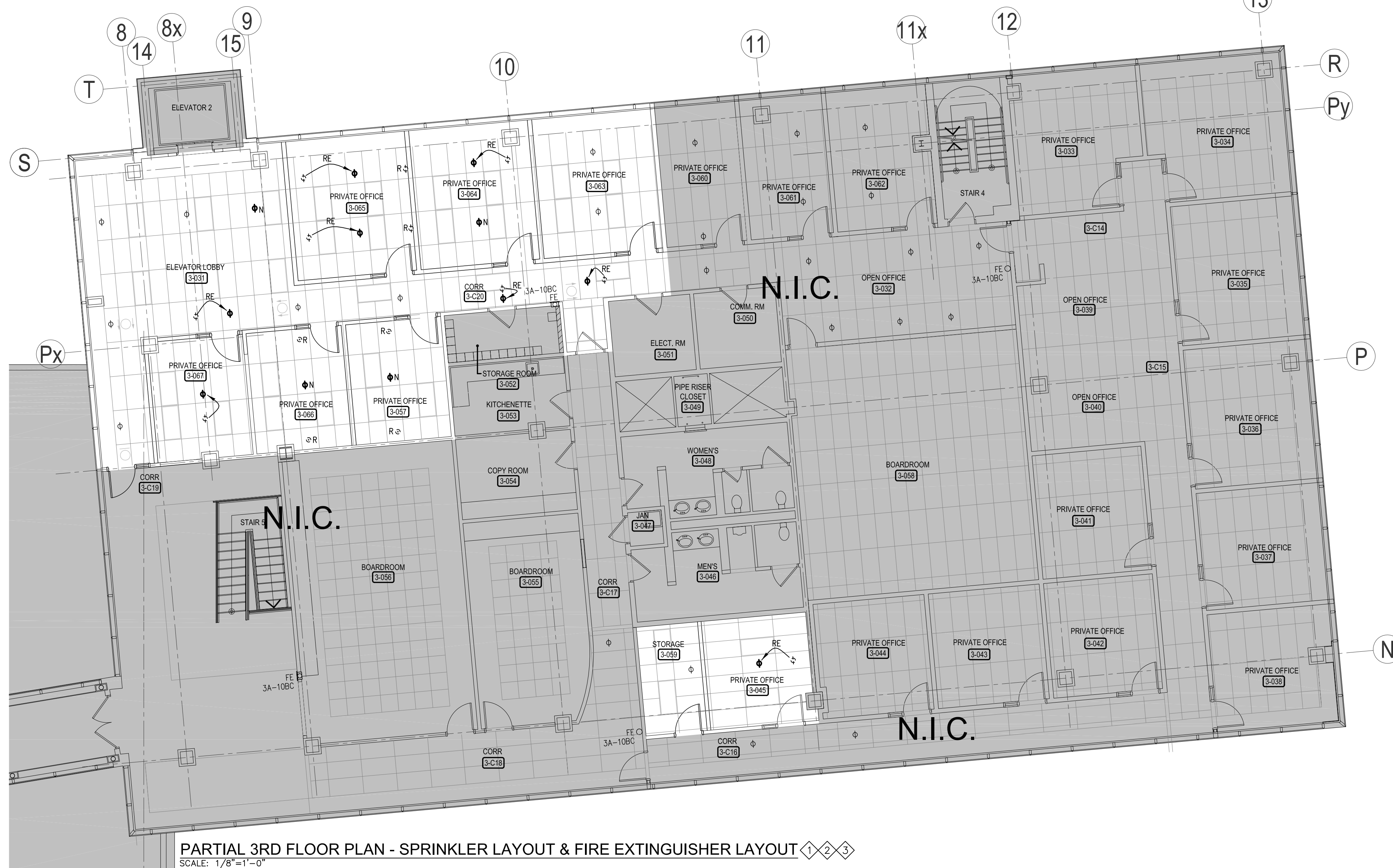
SCALE: AS NOTED DATE: JUL, 2023

DRAWN BY: A.L.M.C. PROJECT NO.: 2314

DRAWING NO.: M-5



PARTIAL 3RD FLOOR PLAN -
SPRINKLER LAYOUT
(ALTERNATE PRICE) ◆◆◆
SCALE: 1/8"=1'-0"



PARTIAL 3RD FLOOR PLAN - SPRINKLER LAYOUT & FIRE EXTINGUISHER LAYOUT ◆◆◆
SCALE: 1/8"=1'-0"

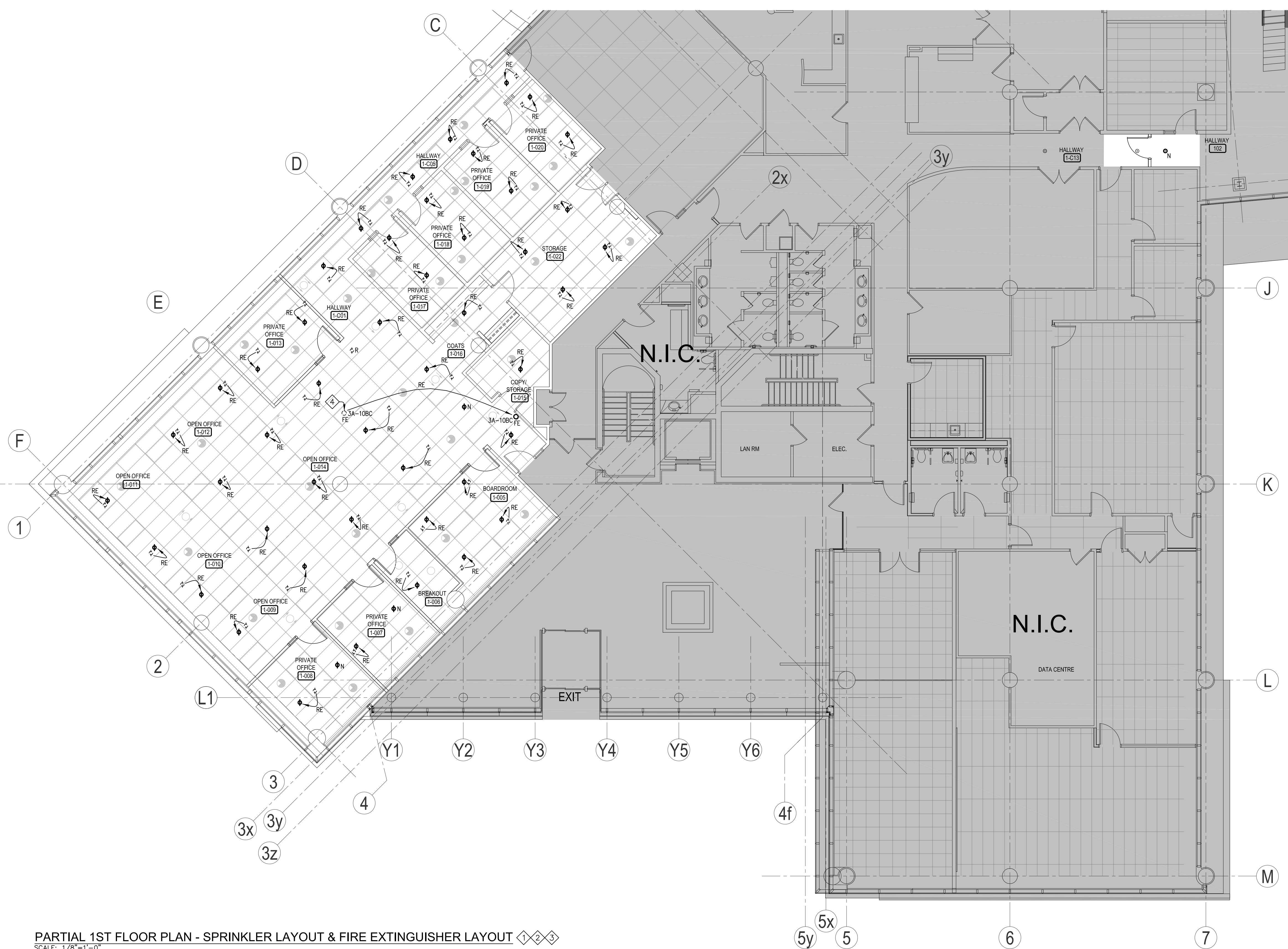
LEGEND

NOTES: EQUIPMENT SHOWN DOTTED [---] ARE EXISTING TO BE REMOVED. EQUIPMENT SHOWN [---] ARE EXISTING TO REMAIN. EQUIPMENT SHOWN BOLD [---] ARE NEW OR RELOCATED.

- SPRINKLER HEAD - FULLY-RECESSED (N=NEW, R=REMOVE)
- ◆ SPRINKLER HEAD - SEMI-RECESSED (N=NEW, R=REMOVE)
- /○ FIRE EXTINGUISHER C/W WALL MOUNTING BRACKET (RATING INDICATED ON FLOOR PLAN)
- RE DENOTES RELOCATE
- 2 DENOTES REFER TO NOTE 2

NOTES

- 1 ALL CONSTRUCTION WORK IN THE BUILDING MUST BE CARRIED OUT IN STRICT ACCORDANCE WITH OWNER'S RULES & REGULATIONS.
- 2 SPRINKLER HEADS SHOWN ON THIS DRAWING ARE FOR COORDINATION PURPOSE. FOR SPRINKLER PIPING, SEE NORRIS FIRE'S DRAWINGS FP-1 TO FP-4.
- 3 PROVIDE ALL SPRINKLER HEADS AS SHOWN ON PLAN. VERIFY ALL SPRINKLER PIPE SIZES ON SITE. MAKE ALL NECESSARY PIPE SIZE CHANGES, & PROVIDE ADDITIONAL BRANCH SPRINKLER LINES AS REQUIRED TO SUIT NEW SPRINKLER LAYOUT.
- 4 SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER HEAD & PIPING INSTALLATION WITH ELECTRICAL, HVAC, & GENERAL CONTRACTORS TO PREVENT INTERFERENCE.
- 5 RELOCATE EXISTING FIRE EXTINGUISHER & MOUNTING BRACKET. PROVIDE NEW 18" HIGH "FIRE EXTINGUISHER" 3-WAY PROJECTING SIGN. VERIFY PROJECTING SIGN MOUNTING HEIGHT WITH ENGINEER PRIOR TO INSTALLATION.
- 6 PROVIDE ALTERNATE PRICE \$11,500 FOR THIS SPRINKLER WORK IN THE OUTLINED AREA.

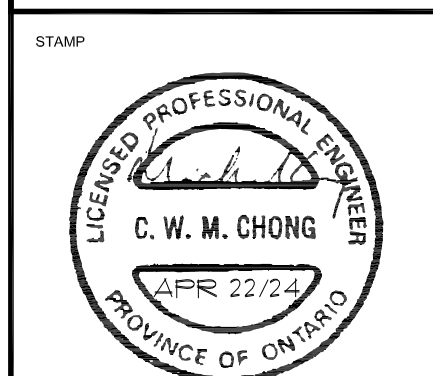


PARTIAL 1ST FLOOR PLAN - SPRINKLER LAYOUT & FIRE EXTINGUISHER LAYOUT ◆◆◆
SCALE: 1/8"=1'-0"

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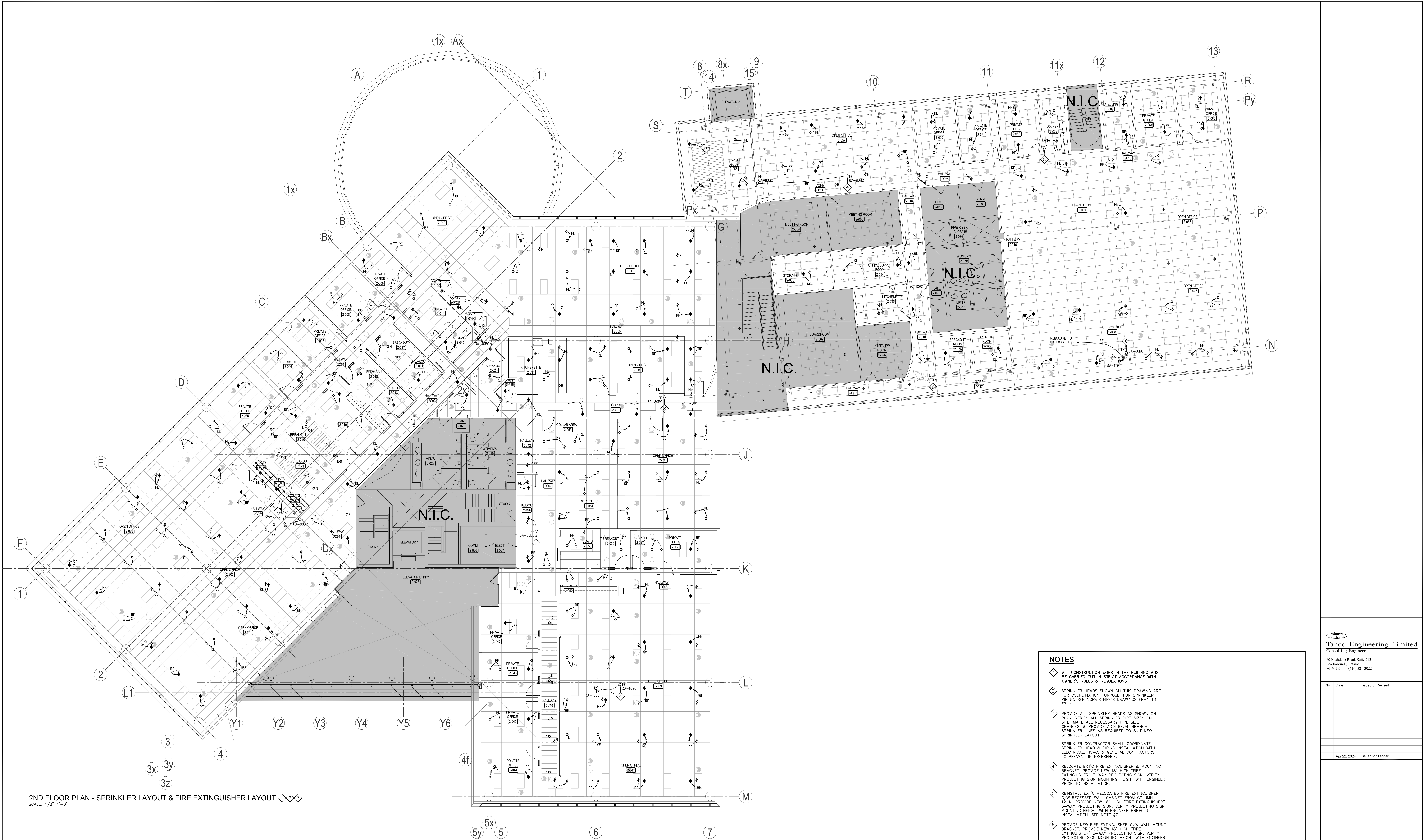
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PROJECT:
PEEL REGIONAL POLICE
1ST, 2ND & 3RD FLOORS
7150 MISSISSAUGA ROAD
MISSISSAUGA, ON

DRAWING TITLE:
**PARTIAL 1ST & 3RD FLOOR
PLANS - SPRINKLER LAYOUT &
FIRE EXTINGUISHER LAYOUT**

SCALE AS NOTED	DATE JUL, 2023
DRAWN BY A.L.M.C.	PROJECT NO. 2314
DRAWING NO. M-7	



2ND FLOOR PLAN - SPRINKLER LAYOUT & FIRE EXTINGUISHER LAYOUT 1 2 3
SCALE: 1/8"=1'-0"

- NOTES**
1. ALL CONSTRUCTION WORK IN THE BUILDING MUST BE CARRIED OUT IN STRICT ACCORDANCE WITH OWNER'S RULES & REGULATIONS.
 2. SPRINKLER HEADS SHOWN ON THIS DRAWING ARE FOR COORDINATION PURPOSE. FOR SPRINKLER PIPING, SEE NORRIS FIRE'S DRAWINGS FP-1 TO FP-4.
 3. PROVIDE ALL SPRINKLER HEADS AS SHOWN ON PLAN. VERIFY ALL SPRINKLER PIPE SIZES ON SITE. MAKE ALL NECESSARY PIPE SIZE CHANGES, & PROVIDE ADDITIONAL BRANCH SPRINKLER LINES AS REQUIRED TO SUIT NEW SPRINKLER LAYOUT.
SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER HEAD & PIPING INSTALLATION WITH ELECTRICAL, HVAC, & GENERAL CONTRACTORS TO PREVENT INTERFERENCE.
 4. RELOCATE EXT'G FIRE EXTINGUISHER & MOUNTING BRACKET. PROVIDE NEW 18" HIGH "FIRE EXTINGUISHER" 3-WAY PROJECTING SIGN. VERIFY PROJECTING SIGN MOUNTING HEIGHT WITH ENGINEER PRIOR TO INSTALLATION.
 5. REINSTALL EXT'G RELOCATED FIRE EXTINGUISHER C/W RECESSED WALL CABINET FROM COLUMN 12-N. PROVIDE NEW 18" HIGH "FIRE EXTINGUISHER" 3-WAY PROJECTING SIGN. VERIFY PROJECTING SIGN MOUNTING HEIGHT WITH ENGINEER PRIOR TO INSTALLATION. SEE NOTE #7.
 6. PROVIDE NEW FIRE EXTINGUISHER C/W WALL MOUNT BRACKET. PROVIDE NEW 18" HIGH "FIRE EXTINGUISHER" 3-WAY PROJECTING SIGN. VERIFY PROJECTING SIGN MOUNTING HEIGHT WITH ENGINEER PRIOR TO INSTALLATION.
 7. REMOVE EXT'G FIRE EXTINGUISHER & RECESSED WALL CABINET. REINSTALL IN HALLWAY 2002. SEE NOTE #5.
 8. REMOVE & REINSTALL EXT'G FIRE EXTINGUISHER C/W WALL MOUNT BRACKET TO ALLOW PAINTING OF EXT'G WALL. PROVIDE NEW 18" HIGH "FIRE EXTINGUISHER" 3-WAY PROJECTING SIGN. VERIFY PROJECTING SIGN MOUNTING HEIGHT WITH ENGINEER PRIOR TO INSTALLATION.

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PEEL REGIONAL POLICE
1ST, 2ND & 3RD FLOORS
7150 MISSISSAUGA ROAD
MISSISSAUGA, ON

**2ND FLOOR PLAN -
SPRINKLER LAYOUT & FIRE
EXTINGUISHER LAYOUT**

SCALE: AS NOTED DATE: JUL, 2023

DRAWN BY: A.L.M.C. PROJECT NO.: 2314

DRAWING NO.: M-8