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November 14, 2025 Addendum No. 03

File Reference Number: RFP 2025 092

Title: North Bay Car Shop Heating and Ventilation Upgrades

RE: Clarifications/Questions

CLARIFICATIONS:

Item 1: Would ONTC please provide the Cole, Sherman, & Associates mechanical plans in their full original scale?

- 5473-M10
- 5473-M11
- 5473-M12
- 5473-M14
- 5473-M16

Answer: Please see attached full scale drawings.

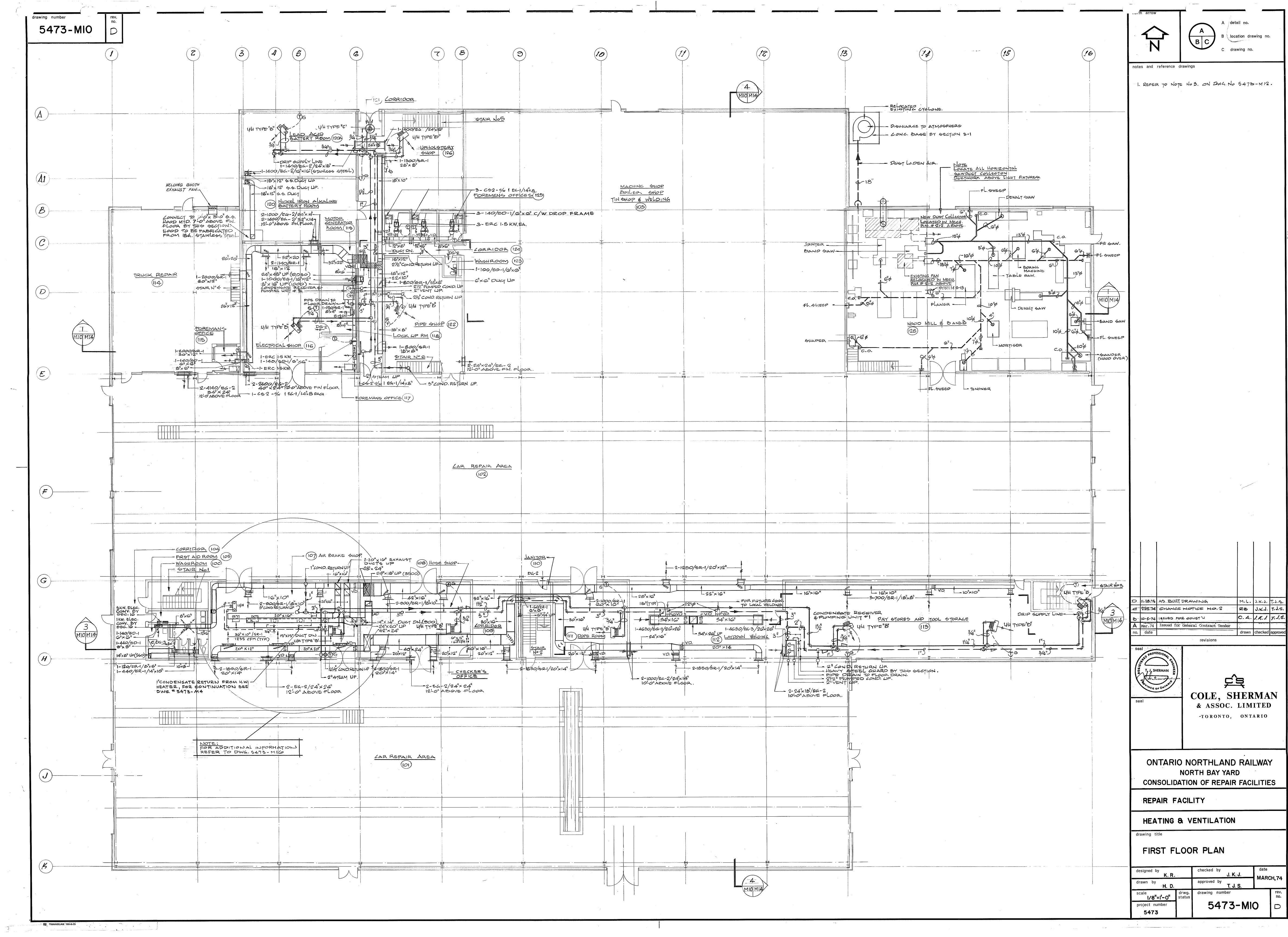
Item 2: Would ONTC kindly clarify a comment that was made at the site meeting in regard to the heating lines running on the outside of the building at all the overhead doors to track 1, 2, 3, and 4? The duct work definitely runs outside for track 1 and 2 on both ends of the building. The heating lines are drawn running inside the car shop with 2 unit heaters in each bay.

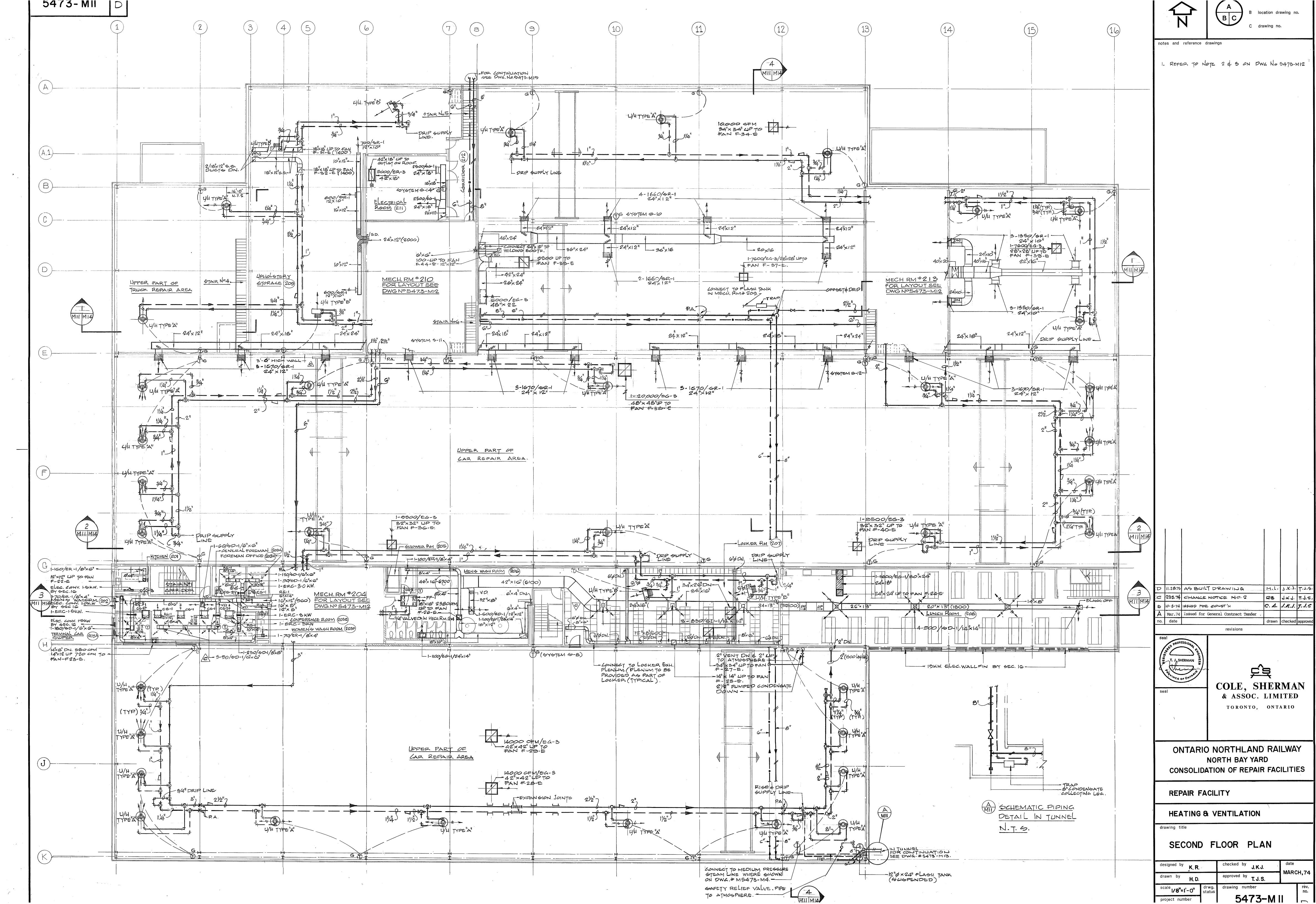
Answer: On tracks 1 and 2 the ventilation duct runs outside of the building on both ends. All heating lines will run inside the building.

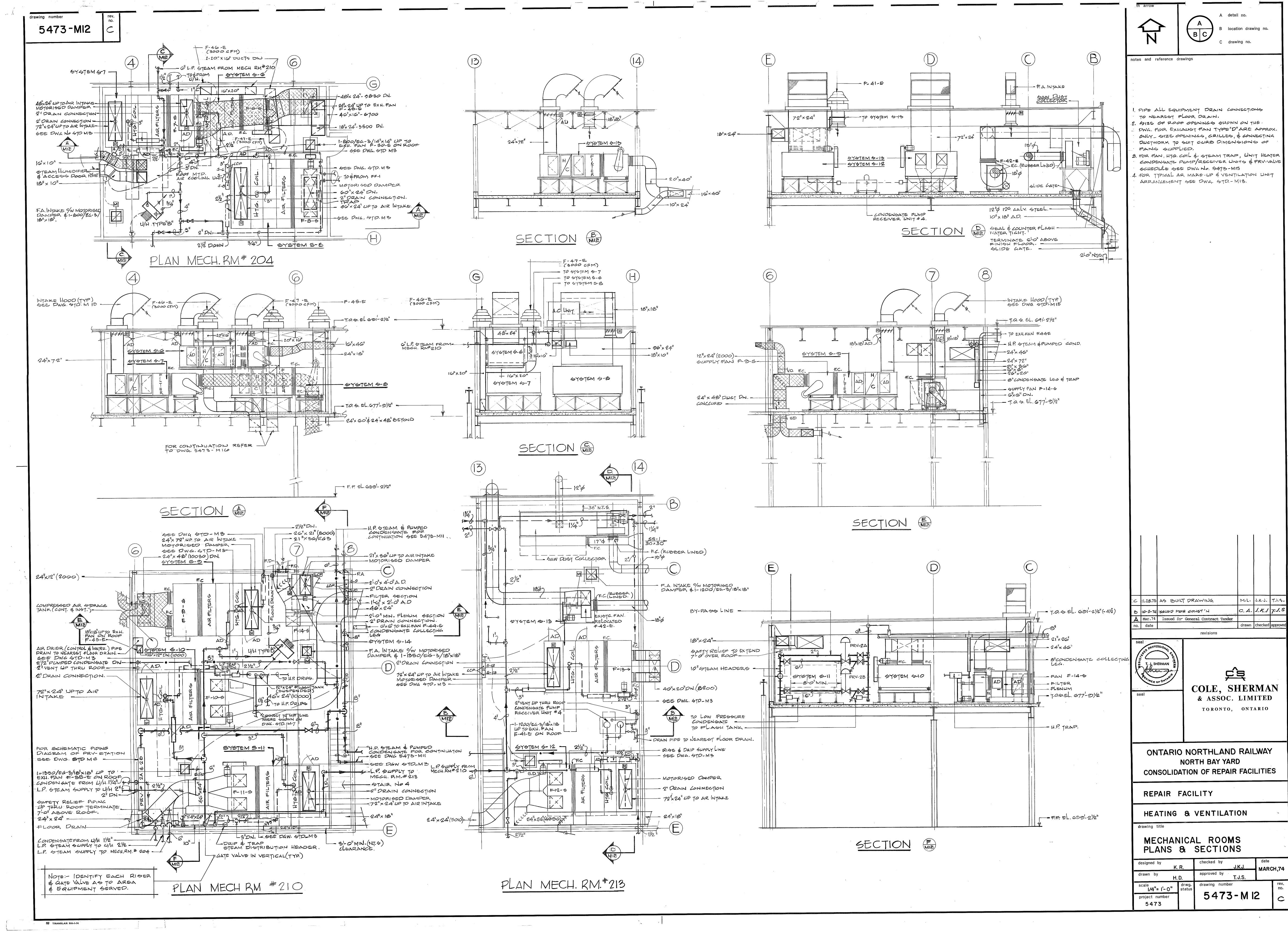
This Addendum hereby forms part of the RFP.

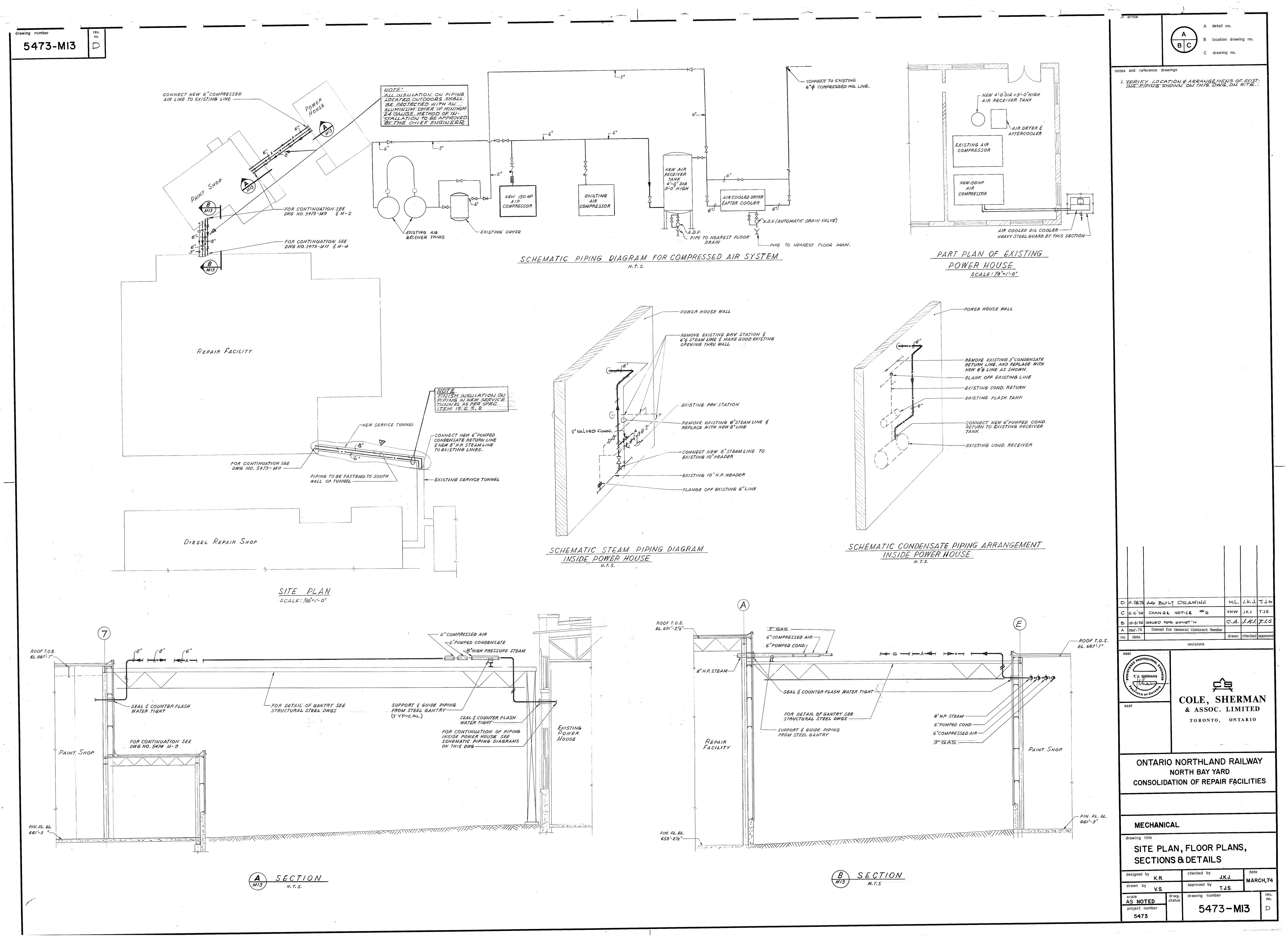
Regards,

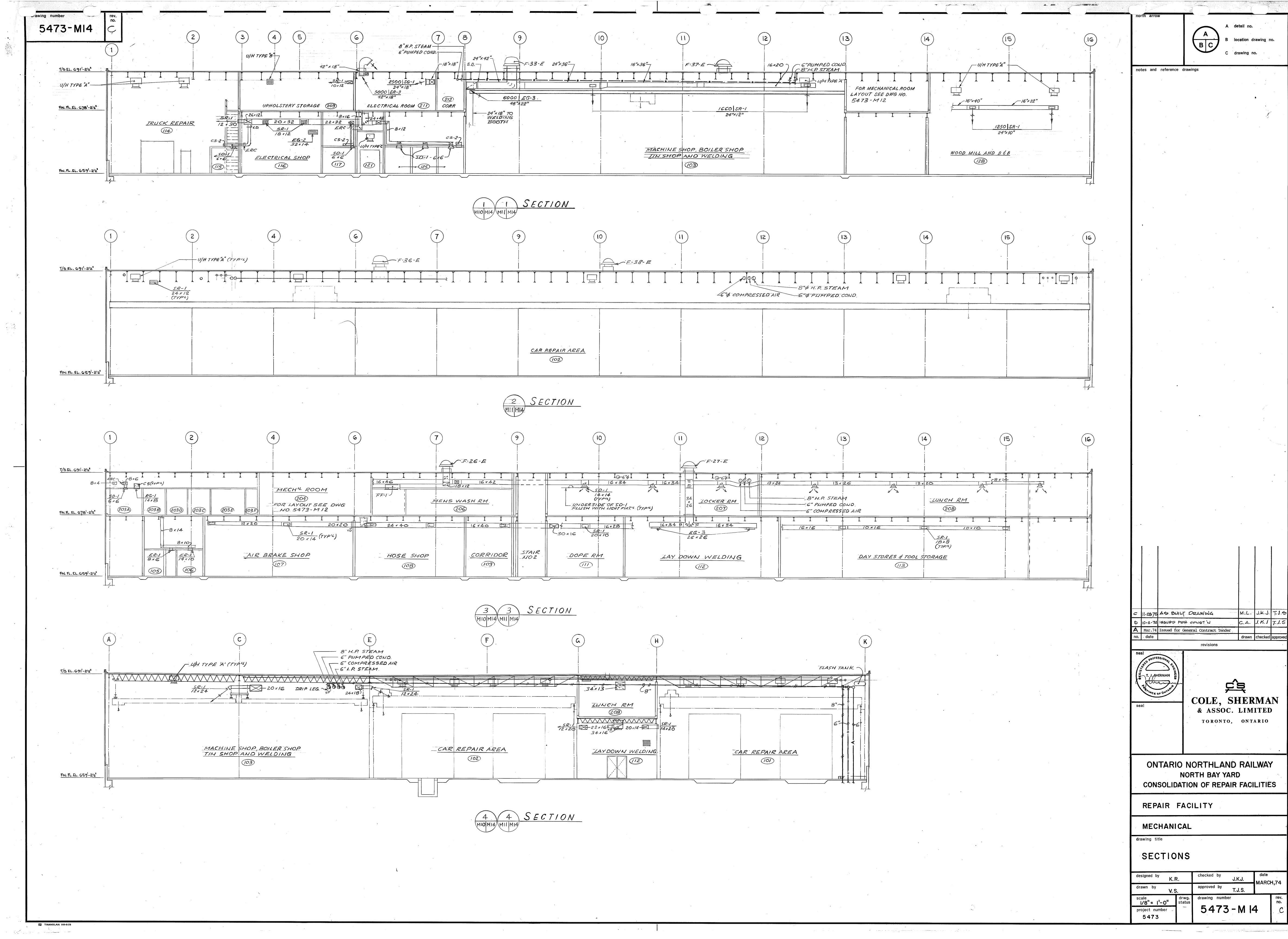
Nicole Laplante
Procurement Contracts Specialist
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AN Nº	SERVICE	CFM	S.P.		MOTOR		FAN	BASE TYPE É STATIC DEFLECTION	REMARKS
	PAINT SPRAY BOOTH MAKE-UP AIR		"W.G. =	-DIA	H.P.	FT/MIN.		W-1/2"	
-/-3	VENTILATION	12000	1.25	18	7/2	2200	A	Y -1/2"	
	STORAGE É LOCKER ROOM VENTILATION	4000	1.25	15	2	2100	A		INDIRECT GAS FIRED HEATER ELECTRICALLY INTERLOCKED WITH F-4-S C/W SPARKPROOF WHEEL & EXPLOSIONPROOF MOTOR.
-3-5	PAINTING BAY HEATING	5000	. 75	/ 8	3		A.		WHEEL & EXPLOSIONPROOF MOTOR
- 1 - C	PAINTING MAKE-UP AIR VENTILATION	32500	1.00		25	-	A	W-2"	INDIRECT GAS FIRED HEATER ELECTRICALLY
-5-S	GRIT BLASTING BAY HEATING	5000	.75	/8	3		A		INDIRECT GAS FIRED HEATER ELECTRICALLY INTERLOCKED WITH BLAST ROOM DUST COLLECTOR
= -6 -S	SECOND PLOOR SPINE VENTIALATION	6700	1.25	15	5	1800	A	Y-1/2"	
F-7-S	FIRST FLOOR SPINE VENTILATION	9830	1.20	/8	5	1800	A	W-1/2"	
=-8-S	LIGHT TRACK REPAIR VENTILATION	14850	1.20	22	7/2	1800	A	W-1/2"	
F-9-5	TRUCK REPAIR, ELEC. PIPE & UPHOLSTERY SHOP VENTILATION	12030	1.25	18	71/2	2200	A	W-1/2"	<u></u>
E-10-S	MACHINE SHOP VENTILATION	10000	1.15	18	5	1800	A	W-11/2"	
F-11-S	HEAVY TRUCK REPAIR SHOP	10000	1.05	18	5	1800	4	W-1/2"	
F-12-S	VENTILATION	10000	1.05	18	5	1800	A	W-1/2"	
	WOOD MILL SHOP VENTILATION	8 200	1.10	18	5	1800	4	W-1/2"	
F-13-S		5000	.70	22	2	1800	В	W-11/2"	
F-14-5	ELECTRICAL RM. VENTILATION	440	.40	7	1/4	1200	В	Y-1"	FAN UNIT INCLUDING MOTOR TO BE OF EXPLOSION PROOF CONSTRUCTION
F -15-E	VOLATILE STORAGE VENTILATION		:		5	2200	C	Y-11/2"	PAN WHEEL TO BE OF SPARK PROOF CONSTRUCTION BELT & DRIVE TO BE ENCLOSED IN VAPOUR TIGHT
F-16-E	PAINT SPRAY BOOTH EXHAUST	12000	1.25	33	1/4		0	· · · · · · · · · · · · · · · · · · ·	HOUSING.
F-17-E	LUNCH RM EXHAUST	1500	.25						
F-18-6	WASHROOM EXHAUST	1000	.25	14	1/4		D	Y-1/2"	FAN WHEEL TO BE OF SPARKPROOF CONSTRUCTION BELT & DRIVE TO BE ENCLOSED IN VAPOUR TIGHT
F-19-E	PAINTING BAY EXHAUST	32500	.75	48	15		C		HOUSING.
F-20-E	ELECTRICAL RM EXHAUST VENTILATION	400	.30	14	1/4		D		
F-21-E	MECHANICAL RM VENTILATION	600	.30	14	1/4		D		
F-22-E	KITCHEN EXHAUST	160	.30	7	1/25		D		DIRECT DRIVE ACCEPTABLE
F-23-E	WASHROOM EXHAUST	720	.40	14	1/4		D		· ·
F-24-E	LUNCH RM EXHAUST	3600	.30	36	/		D		ELECTRICALLY INTERLOCKED WITH F-6-S
F-25-E	LOCKER EXHAUST	1200	.45	18	//3		0		
F-26-E	WASHROOM EXHAUST	2380	.40	24	3/4		0		
F-27-E	WELDING EXHAUST	8000	.45	42	3		D		ELECTRICALLY INTERLOCKED WITH F-7-5
F-28-E	LIGHT CAR TRACK EXHAUST	14000	.25	48	3		D		ıı ıı F-8-S
F-29 -E	LIGHT CAR TRACK EXHAUST	14.000	.25	48	3		D		
F-30-E	(SUMMER VENTILATION) MECHANICAL RM VENTILATION	800	.25	14	1/4		0		
	LEAD ACID BATTERY RM EXHAUST	1400	.45	/8	1/3		0		AIR SIDE SURFACES OF FAN INCLUDING FAN WHEEL & BACKDRAFT DAMPER TO BE FINISHED WITH A PRIME COA ETWO COATS OF EISEN-HEISS PAINT.
F-31-E	NICKEL, IRON ALKALINE	1400	.45	/8	//3		0		E /WO COATS OF EISEN -HEISS FAINT.
F-32-E	BATTERY RM EXHAUST MACHINE SHOP & WELDING BOOTH	9500	.40	48	3	: :	0		ELECTRICALLY INTERLOCKED WITH F-10-S
F-33-E	EXHAUST MACHINE SHOP EXHAUST				3		<i>D</i>		
F-34-E	(SUMMER VENTILATION)	10000	.35	48			0		
F-35-E	MECHANICAL RM VENTILATION	1350	.30	18	//3				ELECTRICALLY INTERLOCKED WITH F-12-5
F-36-E	HEAVY TRUCK REPAIR EXHAUST	9500	.30	48	. 2		D		
F-37-E	"	7600	.30	36	2		0		" " " F-9-S
F-38-E	HEAVY TRUCK REPAIR (SUMMER VENTILATION)	20 000	.25	54	5	: · · · · · · · · · · · · · · · · · · ·	D		
F-39-E	WOOD MILL SHOP EXHAUST	7600	.30	36	2		D		ELECTRICALLY INTERLOCKED WITH F-13-S & F-42
E-40-E	HEAVY TRUCK REPAIR	9500	.25	18	2		0		11 11 F-11-S
F-41-E	MECHANICAL RM VENTILATION	1200	.40	18	//3		D	-	
F-42-E	WOOD MILL DUST COLLECTION				25			·	EXISTING FAN & MOTOR REFER TO SPECIFICATION
F-43-E	GENERATOR RM EXHAUST	1000	.45	14	//3		0		
F-44-E	WASHROOM EXHAUST	100	.25	7	//25		0		DIRECT DRIVE ACCEPTABLE
		3500	.45	30	A Marie Company on the Company of th	4,	0		

	UN	IT HEATER	E & CABII	NET UN	IT HEAT	TER SC	CHEDULE
DWG SYMBOL	CAPACITY (MBH) 2LBS SAT. STEAM 60°ENT. AIR TEMP.	FINAL AIR TEMP. °F	MOTOR	MOTOR HP	MANUFA & UNIT	ACTURER SIZE	REMARKS
U/H TYPE 'A'		118	1725	//3	TRANE	150P	UNIT TO BE COMPLETE WITH LOUVER, CONE DIFFUSER & MOTOR DRIVE GUARD.
U/H TYPE'B'	36	125	1500	1/30	"	72H	UNIT TO BE COMPLETE WITH LOUVER
U/HTYPE'C'	76	135	1140	1/20	!/	120P	GUARD.
CAB.UNIT HEATER FF-1	43	129	1050	110 WATTS	"	06	HORIZONTAL CEILING RECESSED BOTTOM INTEGRAL GRILLES FOR INLET & OUTLET,

NOTE:	U/H & MOTOR TYPE	'A' LOC	CATED IN VO	DLATILE	STORAGE (1	04) & STORA	GE (105) TO BE 0	F EXPLOSION PROOF CONSTRUCTION
		CONL	DENSATE	PUN	IP RECEI	VER SCH	HEDULE	
UNIT NO.	LOCATION	PUMP CAP USGPM	DISCHARGE PRESSURE	MOTOR HP		RECEIVER CAP. US GPM	MANUFACTURER & UNIT NO.	REMARKS
	PAINT SHOP MECH. RM 201	15	25	12 EACH	460/3/60	50	DARLING 10 UD 25	COMPLETE UNIT & MOTOR TO BE OF EXPLOSION PROOF CONSTRUCTION AND MOUNTED ON TYPE Z-4"ISOLATORS.
2	DAY STORES \$ TOOL STORAGE REP. FAC.	37.5	35 PSIG	IEACH	//	100	DARLING 25 UD 35	UNIT TO BE MOUNTED ON TYPE "Z"-1/4" ISOLATORS
3	LOCK UP ROOM REPAIR FACILITY	37.5	35PSIG	IEACH	11	100	DARLING 25 UD 35	11
4	MECH, RM 212 REPAIR FACILITY	37.5	25	3/4 EACH	//	100	DARLING 25 UD 25	n .

5) TO BE 0	F EXPLOSION PROOF CONSTRUCTION									
ILE		ELECTRIC DUCT AIR								
VFACTURER VIT NO.	REMARKS	HEATER SCHEDULE								
	COMPLETE UNIT & MOTOR TO BE OF EXPLOSION PROOF CONSTRUCTION AND MOUNTED ON TYPE "Z"-1/4" ISOLATORS.	SIZE	CFM RANGE	CAPACITY	MAX. AIR P.D. "W.G					
ING 35	UNIT TO BE MOUNTED ON TYPE "Z"-1/4" ISOLATORS	ERC	100-150	1.5	.10					
.ING) 35	"	ERC	230-270	3.0	.10					
ING. 25	"	·								
		1		J						

SYMBOL

DG-3

DOOR GRILLE SCHEDULE

51-100

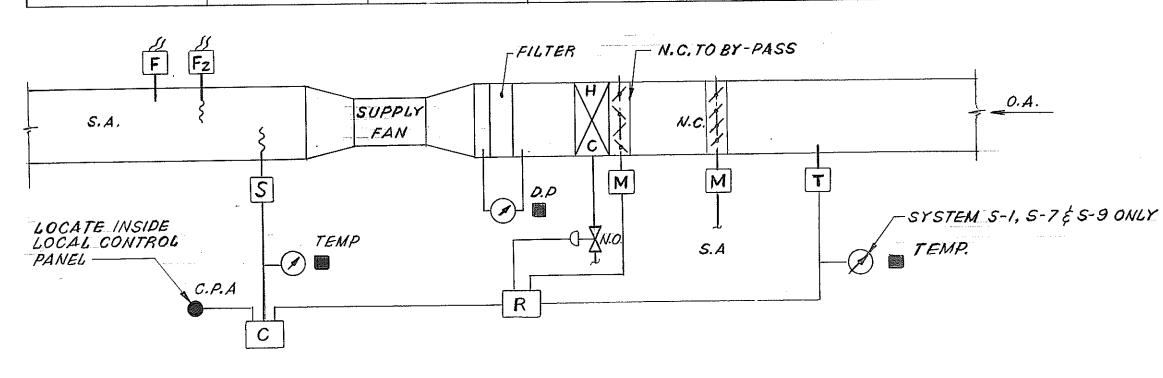
101-200

C.F.M. MINIMUM FREE AREA
RANGE SQ. FT

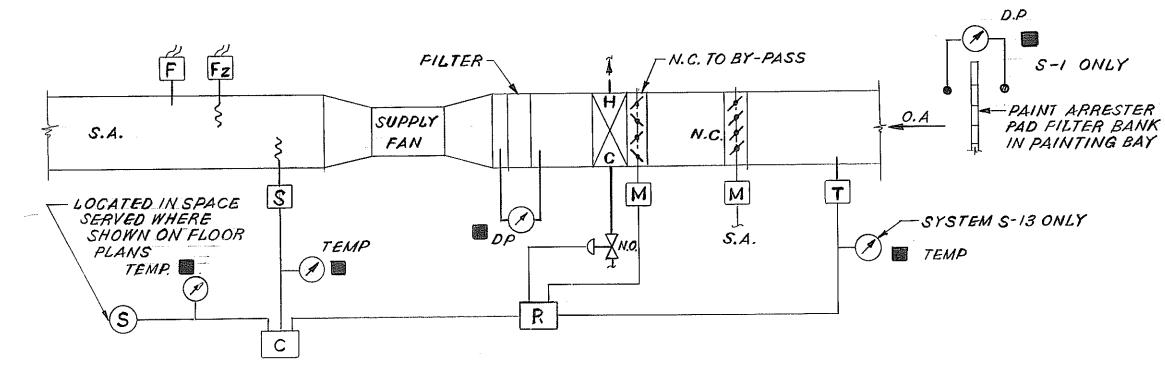
DWG	LOCATION	INLET PRESSURE PSIG	OUTLET PRESSURE	REQ'D CAPACITY	VALVE BODY	VALVE TRIM	ACTUAL	EXIT BODY VELOCITY	TYPE OF PRV	SAFETY VALVE SIZE	ORIFICE	SET PRESSURE PSIG	CAPACITY LBS/HR	CONSOLIDATED MODEL	VENT SIZE
PRV-1	PAINT SHOP MECH. RM 201	PSIG 120	PSIG 15		2"250 *SCR		2450	LESS THAN 22 000	PNEUMATIC	2×2/2	J	23	2535	1543J	3"
PRV-2A	REPAIR FAC MECH. RM 209	120	15	7000	4"250 [#] FLG	2"	11000	//	"	6×8	· G	25	23.000	1511Q	10"
PRV-2B	",	120	15	7000	4"250 [#] FLG	2"	11000	//	"				_	-	·
PRV 3A & 3B	"	120	30	700 EACH	1/2" 250# SCR EACH	1/2"	750 EACH	N.A.	EXTERNAL PILOT	1/2×2	. <i>H</i>	38	2189	1543 H	2/2
PRV-4	"	120	90	700	3/4"250 #SCR	3/4"	1000	N.A.	"	3/4×/	I	100	1210	1543 G	1/2

·		• 	F	FATING	COIL & H	EATIN	G COIL STEAD	M TRAP SC	HEDULE	E			1		
SYSTEM OR	°C.F.M.	ENT. AIR TEMP °F	LEAVING AIR TEMP °F	MAX. COIL FACE VEL FT/MIN.	MAX. COIL AIR SIDE P.D. "W.G.	NO. OF COIL ROWS	MANUFACTURER ¢ TYPE	CONDENSATE LOAD IN LBS/HR	SAFETY FACTOR	TOTAL STEAM LOAD IN LBS/H	MANUFAC)	TURER "SARCO" ORIFICE	WORKING PRESSURE PSIG	NO. OF TRAPS REG'D	REMARKS
5-1	12000	-25	70	600	.30	2	WING, VIFB	1280	3:1	3840	FTL-4C	7/8	0-15	2	
5-2	4000	-25	75	550	.30	2	И	450	3:1	1400	FTL-1C	15/32	0-15	2	
5-6	6700	-25	75	500	.20	2	"	725	3:/	2170	FTL-IC	15/32	0-15	2	
S-7	9830	-25	75	500	.20	2	" "	1120	3:1	3 450	FTL-4C	2/8	0-15	2	
5-8	14850	-25	75	500	.20	2	//	1680	3:1	5 0 6 0	FTL-9C	7/8	0-15	2	
5-9	12030	-25	70	600	.30	2	//	1300	3:/	3900	FTL-4C	1/8	0-15	2	
S-10	10.000	-25	75	500	.20	2		1130	3:/	3390	FTL-4C	7/8	0-15	2	
5-1/	10 000	-25	75	500	.20	2	11	//30	3:/	3390	FTL-4C	7/8	0-15	2	
5-12	10 000	-25	75	500	.20	2	//	1130	3:1	3 390	FTG-4C	7/8	0-15	2	
S-12 S-13	8 200	-25	75	500	.20	: :		980	. 3:1	2940	FTL-4C	7/8	0-15	2	

TE: STEAM P.	RESSURE FOR ALL	HEATING COILS IS	15 PSIG SATURI	ATED.	
	CROSS T.	ALK SILENCE	ER SCHEDU	ILE	
DRAWING SYMBOL	CAPACITY C.F.M.	THICKNESS	WIDTH	MAXIMUM P.D. "W.G.	THICKNESS
CS-1	100	3/2"	14"	.05	6
CS-2	160	5"	14"	.05	8
CS-3	250	7"	14"	.05	10

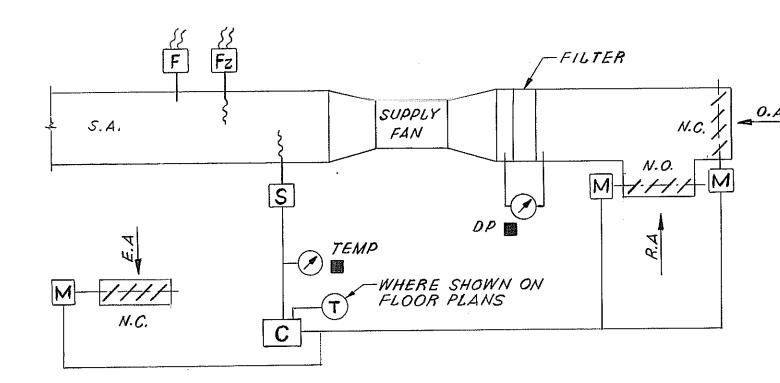


SCHEMATIC CONTROL DIAGRAM TYPICAL FOR SYSTEMS 5-1,2,6,7 &9

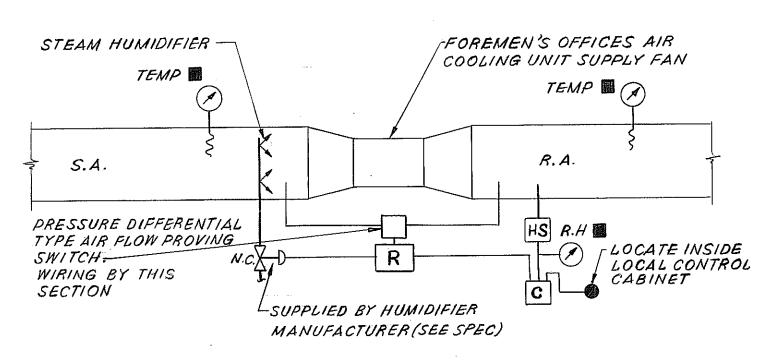


SCHEMATIC CONTROL DIAGRAM

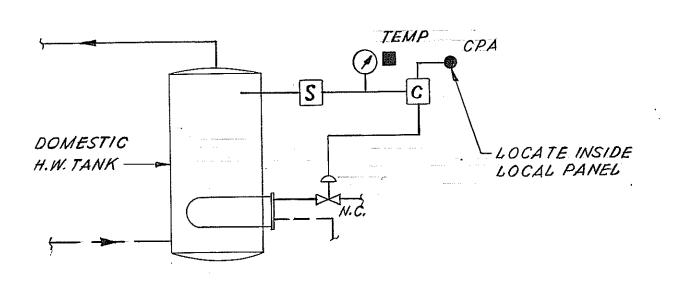
TYPICAL FOR SYSTEMS S-8,10,11,12 & 13



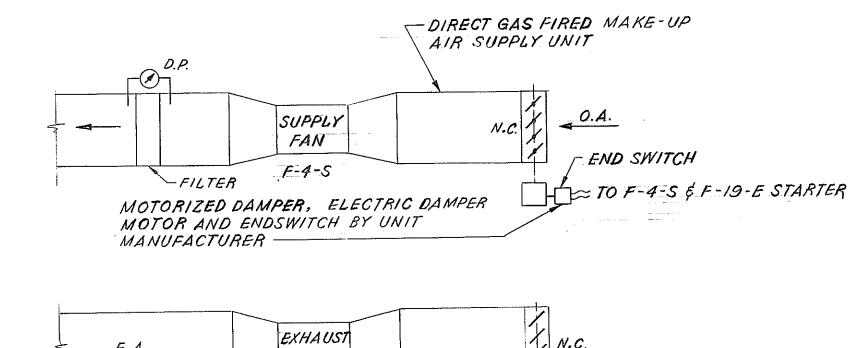
SCHEMATIC CONTROL DIAGRAM
FOR SYSTEM S-14

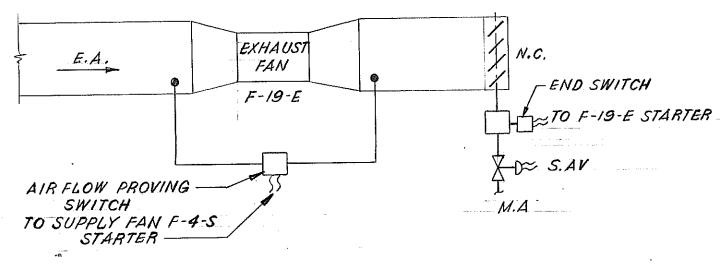


SCHEMATIC CONTROL DIAGRAM FOR FORMEN'S OFFICES AIR COOLING SYSTEM

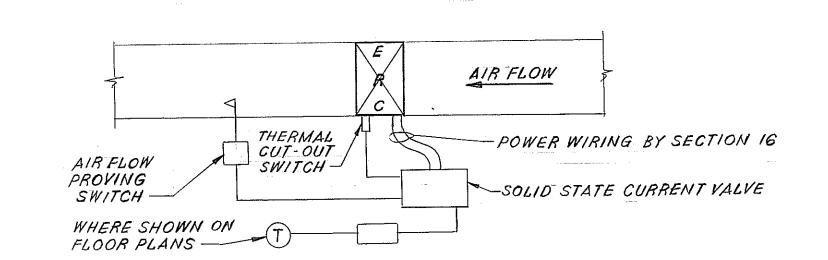


SCHEMATIC CONTROL DIAGRAM FOR DOMESTIC HOT WATER HEATING SYSTEM



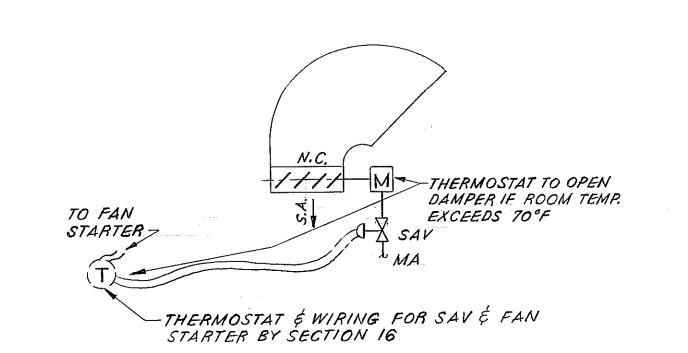


SCHEMATIC CONTROL DIAGRAM FOR SYSTEM 5-4

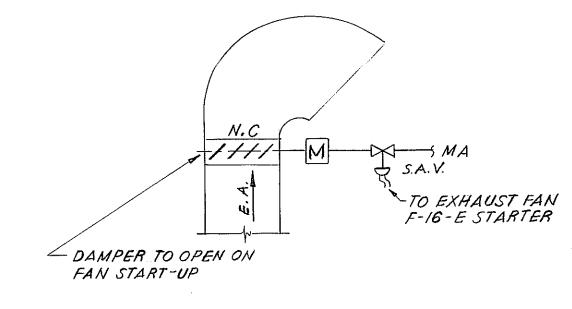


SCHEMATIC CONTROL DIAGRAM FOR ELECTRIC

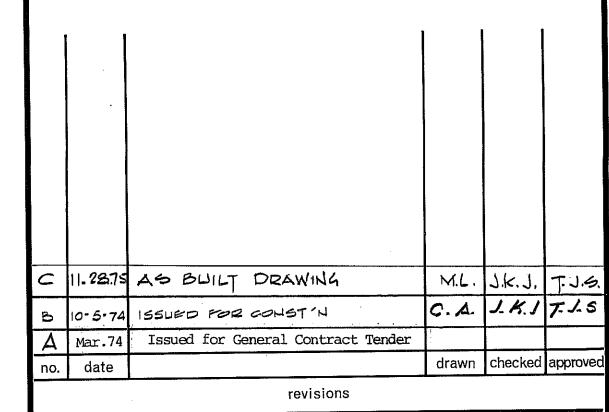
AIR DUCT HEATER

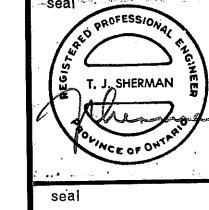


SCHEMATIC CONTROL DIAGRAM FOR F-20-E F-21-E, F-30-E, F-35-E & F-41-E



TYPICAL CONTROL DIAGRAM FOR F-16-E





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notes and reference drawings

A detail no.

COLE, SHERMAN & ASSOC. LIMITED TORONTO, ONTARIO

ONTARIO NORTHLAND RAILWAY NORTH BAY YARD CONSOLIDATION OF REPAIR FACILITIES

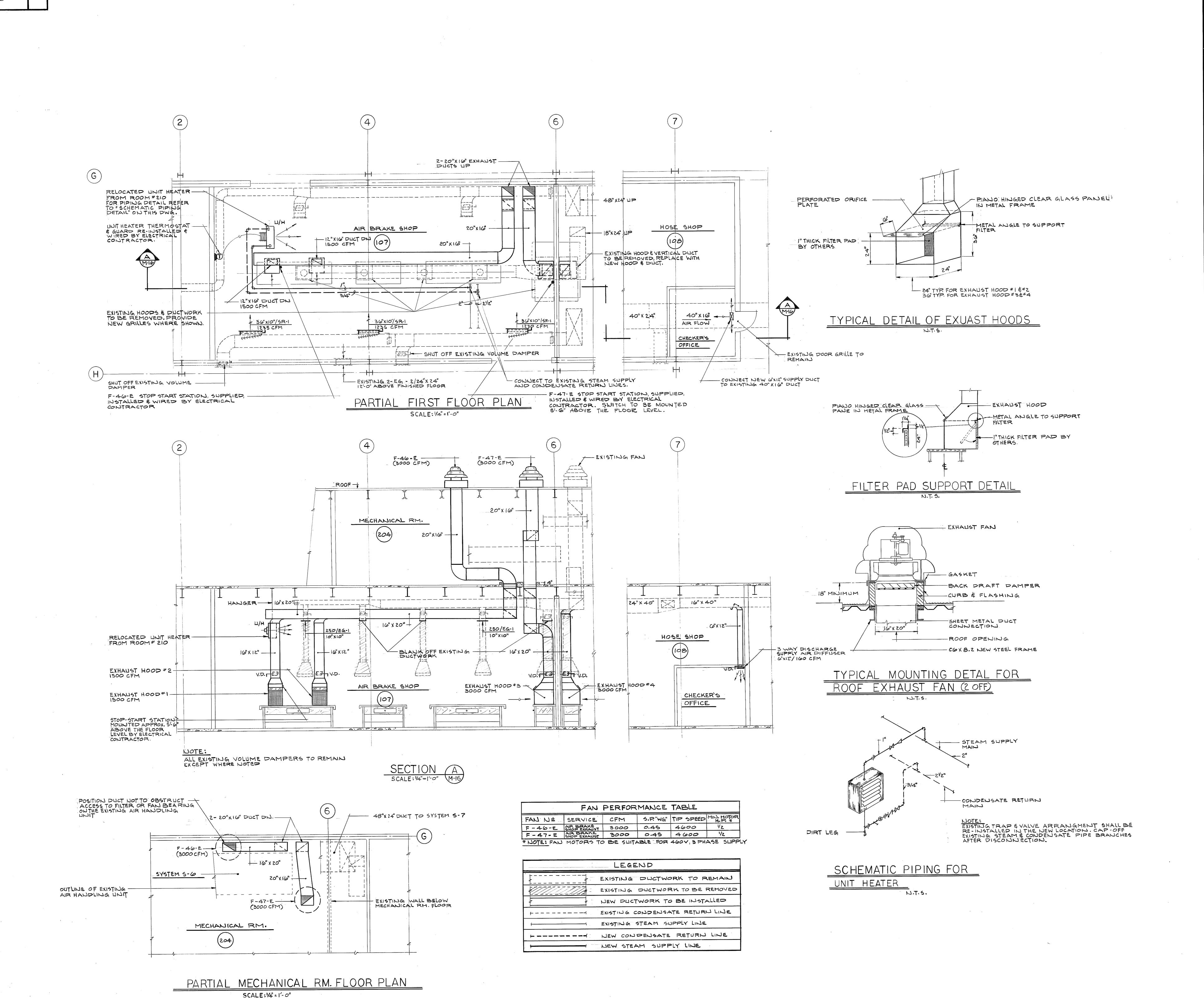
REPAIR FACILITY & PAINT SHOP

HEATING & VENTILATION

SCHEDULES & CONTROL DIAGRAMS

designe	ed by K.R.		checked by J. K.J.	date MARCH,74		
drawn	by V. S.		approved by T. J. S.	WAIN	19 1 7	
scale	NONE	drwg. status	drawing number		rev. no	
	t number 173		5473-MI5	•	C	

W TRANSLAR 500-1-74



notes and reference drawings

3 11.28.75 AS BUILT DRAWING A JUNE 75 ORIGINAL ISSUE FOR TENDER revisions



COLE, SHERMAN & ASSOC. LIMITED TORONTO, ONTARIO

ONTARIO NORTHLAND RAILWAY NORTH BAY YARD

CONSOLIDATION OF REPAIR FACILITIES

REPAIR FACILITY

MECHANICAL

drawing title PARTIAL FIRST & SECOND

FLOOR PLAN checked by J.K.J. designed by M.L. approved by T. J. S. drawing number scale $1/4'' = 1 - 0^n$ dry sta project number