REVISIONS

REVISIONS

MECHA	NICAL – GENERAL
	45° LATERAL FITTING
	90° CROSS TEE FITTING
	UNION - SCREWED
	UNION - FLANGED
	PIPE ANCHOR
Appendential and a second and a	PIPE GUIDE
	PIPE CAP - SCREWED
	PIPE CAP - WELDED
essensories milatricacion receivariamente.	PIPE FLANGE
	FLOW METER ORIFICE FLANGE
	THERMOMETER
	PRESSURE GAUGE & COCK
SG THE PROPERTY OF THE PROPER	SIGHT GLASS
FSI	FLOW SWITCH
PS	PRESSURE SWITCH
Notice to the should be about the first to be a first to b	PUMP
entremong form on transport to the determinant of the contract	PIPE SUPPORT
	PIPE SUPPORT & ANCHOR
anteren er with fram dat set still i Louges A. A comme Carrotte consistent was to select a comme called the set in the School	FLOW DIRECTION
	LEVEL ACTUATOR
TP-1	TRAP PRIMER
	PLUMBING

	PLUMBING
announcement of the control of the c	DOMESTIC COLD WATER
———— DHW —	DOMESTIC HOT WATER
DHWR-	DOMESTIC HOT WATER RECIRCULATING LINE
TPL	TRAP PRIMING LINE
(WM)	WATER METER
	DRAINAGE
SAN	SANITARY ABOVE FLOOR/GRADE
SAN	SANITARY BELOW FLOOR/GRADE
——SAN.P——	SANITARY PUMPED
	VENT
	DIRECTION OF SLOPE DOWN
	CLEANOUT ABOVE FLOOR/GRADE
representation of the control of the	CLEANOUT BELOW FLOOR/GRADE
Britannia comunicativa per cur conscienti con consc	DRAIN CONNECTION c/w TRAP
CO To the second	RUNNING TRAP WITH C.O.
©	PLUMBING VENT AT ROOF

FIF	RE PROTECTION
STP	STANDPIPE TO FHC/FHR
DSP	DRY SPRINKLER PIPE
WSP	WET SPRINKLER PIPE
DFL	DRY FIRE LINE
	WET FIRE LINE
CAG	CLEAN AGENT GAS
Ф _{III} A	INSPECTOR'S TEST VALVE
\Diamond	DELUGE VALVE
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE REEL
FHR OHHH	FIRE HOSE RACK
FHSC	FIRE HOSE STORAGE CABINET
FE-×	FIRE EXTINGUISHER - LETTER DENOTES TYPE
	UPRIGHT SPRINKLER HEAD
	PENENT SPRINKLER HEAD
	CONCEALED SPRINKLER HEAD
FH -Ç-	FIRE HYDRANT

gochanickinomonoscinikounercionikus stucia (sammecranickinoskinoscinikounercioni	
	H.V.A.C.
	SUPPLY AIR DUCT UP/TOWARD
	RETURN/ EXHAUST AIR DUCT UP/ TOWARD
	SUPPLY AIR DUCT DOWN/AWAY
	RETURN/ EXHAUST AIR DUCT DOWN/ AWAY
	ACOUSTIC LINED DUCT
	FLEXIBLE CONNECTION
en al-branch and segment "an estate and pass attended and estimate from a financial mode and enter other segment and an annual mode and an estate and as estate and estate and estate and estate and estate and estate an estate and estate and estate an estate and e	BRANCH TAKE- OFF c/w BALANCING DAMPER
	FLEXIBLE DUCTWORK c/w DAMPER
BD	BALANCING DAMPER - MANUAL
₹	FIRE DAMPER
SD	SPLITTER DAMPER - MANUAL
	SQUARE ELBOW w/ TURNING VANES
DE DE	SUPPLY AIR DIFFUSER (SQUARE/ROUND)
	RETURN AIR/ EXHAUST AIR GRILLE
	DIFFUSER/GRILLE TYPE
A MM x MM L/s	NECK/GRILLE SIZE AIR QUANTITY
secure construir RL establishment	REFRIGERANT LIQUID
enterprise RHG enterprise enterpr	REFRIGERANT HOT GAS

	H.V.A.C.
——HWS——	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
distribute displatation expression C quantities according to the control of the c	CONDENSATE

EQ	JIVALENT	PIPE SI	ZES
PIPE DIA. mm	NPS EQUIVALENT	PIPE DIA. mm	NPS EQUIVALENT
13	NPS 1/2	63	NPS 21/2
19	NPS 3/4	75	NPS 3
25	NPS 1	100	NPS 4
32	NPS 1 1/4	150	NPS 6
38	NPS 1 1/2	200	NPS 8
50	NPS 2	250	NPS 10

EQUIPMENT ABBREVIATIONS

ACU	%##	AIR	CONDITIONING UNIT
CDN	<i>™</i> ,	AIR	COOLED CONDENSER
AHU	sus.	AIR	HANDLING UNIT
AR	***	AIR	RECEIVER
EF	00 22	ЕХН	AUST FAN
EJ	***	EXP	ANSION JOINT

- EYEWASH STATION

- FORCED AIR HEATER

- FIRE EXTINGUISHER - FIRE HOSE CABINET - FIRE HOSE REEL - FLEX. CONNECTOR - FLUID METER

- FLOW SWITCH - FLOAT SWITCH

- HEATING COIL - HOISTING EQUIPMENT - HEAT TRACING

HWT - JUNCTION BOX

- KITCHEN SINK LOUVRE - OVERFILL ALARM

- RETURN AIR FAN

- REHEAT COIL - SMOKE DAMPER - SMOKE DETECTOR - SUPPLY FAN

- TANK

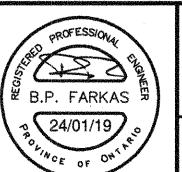
- TRAP PRIMER - TERMINAL UNIT

- TRACER WIRE JUNCTION BOX - UNIT HEATER

- WALL FIN RADIATION - WATER METER

- WASTE OIL DRUM

NORR ARCHITECTS ENGINEERS PLANNERS
NORR Limited An Ingenium Group Company
175 Bloor St.East North Tower,15th Floor Toronto,ON,Canada M4W 3R8 www.norr.com



2017/09/26 DRAWN K. YU CHECKED S. MURRAY 2018/06/27 2018/06/28

SHEPPARD STATION STATION MANAGERS OFFICE

GENERAL NOTES

PRIOR TO TENDER AND INCLUDING FOR COSTS ASSOCIATED

WITH ACCESSING AND PROTECTING WORK AREAS, REFER TO ARCHITECTURAL DRAWINGS FOR IDENTIFICATION OF WORK

CO-ORDINATE LOCATIONS OF REQUIRED OPENINGS IN WALLS

SHOP DRAWINGS AND PRODUCT DATA FOR ACTUAL DIMENSIONS.

REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR

AND ROOF FOR MECHANICAL SYSTEMS. LOCATIONS AND

SIZES SHOWN ARE APPROXIMATE. REFER TO REVIEWED

ALL MODIFICATIONS, DELETIONS AND ADDITIONS TO THE

EXISTING FIRE PROTECTION SYSTEM AS INDICATED IN THE

D. EXISITNG EQUIPMENT IS TYPICALLY SHOWN FOR ILLUSTRATIVE PURPOSES AND UNLESS OTHERWISE NOTED IS TO REMAIN.

NOT ALL EXISTING EQUIPMENT IS IDENTIFIED OR SHOWN.

E. SIZES, LOCATIONS AND ELEVATIONS OF EXISTING SERVICES SHOWN ARE BASED ON AVAILABLE EXISTING DRAWINGS.

CONTRACTOR TO NOTIFY THE ENGINEER, WHERE ANY

CONTRACT DOCUMENTS IS TO BE PERFORMED IN ACCORDANCE

EQUIPMENT SUPPORTS AND FRAMED OPENINGS.

A. CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE SITE

AREAS, CONSTRAINTS AND PROTECTION.

WITH NFPA 13 AND OBC.

DISCREPANCIES IMPACT WORK.

AND ZONE HUB MECHANICAL SERVICES LEGEND & SYMBOLS

TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT

SH35-8-M001 Plot Date: 23-JAN-2019

DRAWING NOT FOR CONSTRUCTION

BID

. X.V.	OIV/ Chambum 1 W I	1 11 1	
PIPE DIA. mm	NPS EQUIVALENT	PIPE DIA. mm	NPS EQUIVALENT
13	NPS 1/2	63	NPS 21/2
19	NPS 3/4	75	NPS 3
25	NPS 1	100	NPS 4
32	NPS 1 1/4	150	NPS 6
38	NPS 1 1/2	200	NPS 8
50	NPS 2	250	NPS 10

- EXCESS PRESSURE PUMP

- EYEWASH TEMPERING UNIT

= FIRE PUMP

- GAS METER HC

HTU - HEATING UNIT - HOT WATER TANK - HEAT EXCHANGER

- JANITOR SINK KS

> - PUMP - PRESSURE RELIEF VALVE

= SILENCER = SUMP PUMP

- TRANSFER AIR DUCT - TRENCH DRAIN - TANK IMMERSION HEATER

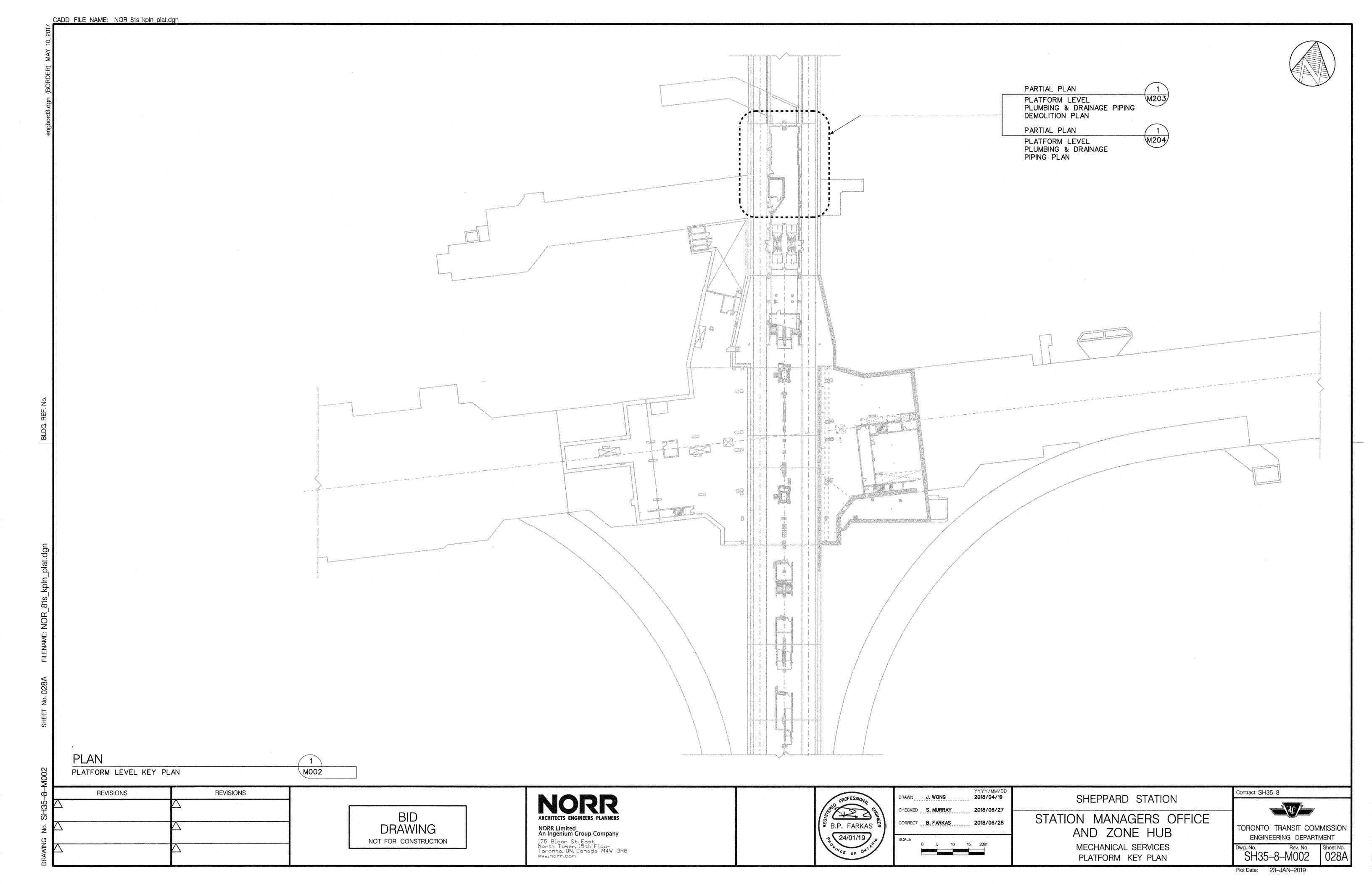
VU - VENTILATING UNIT

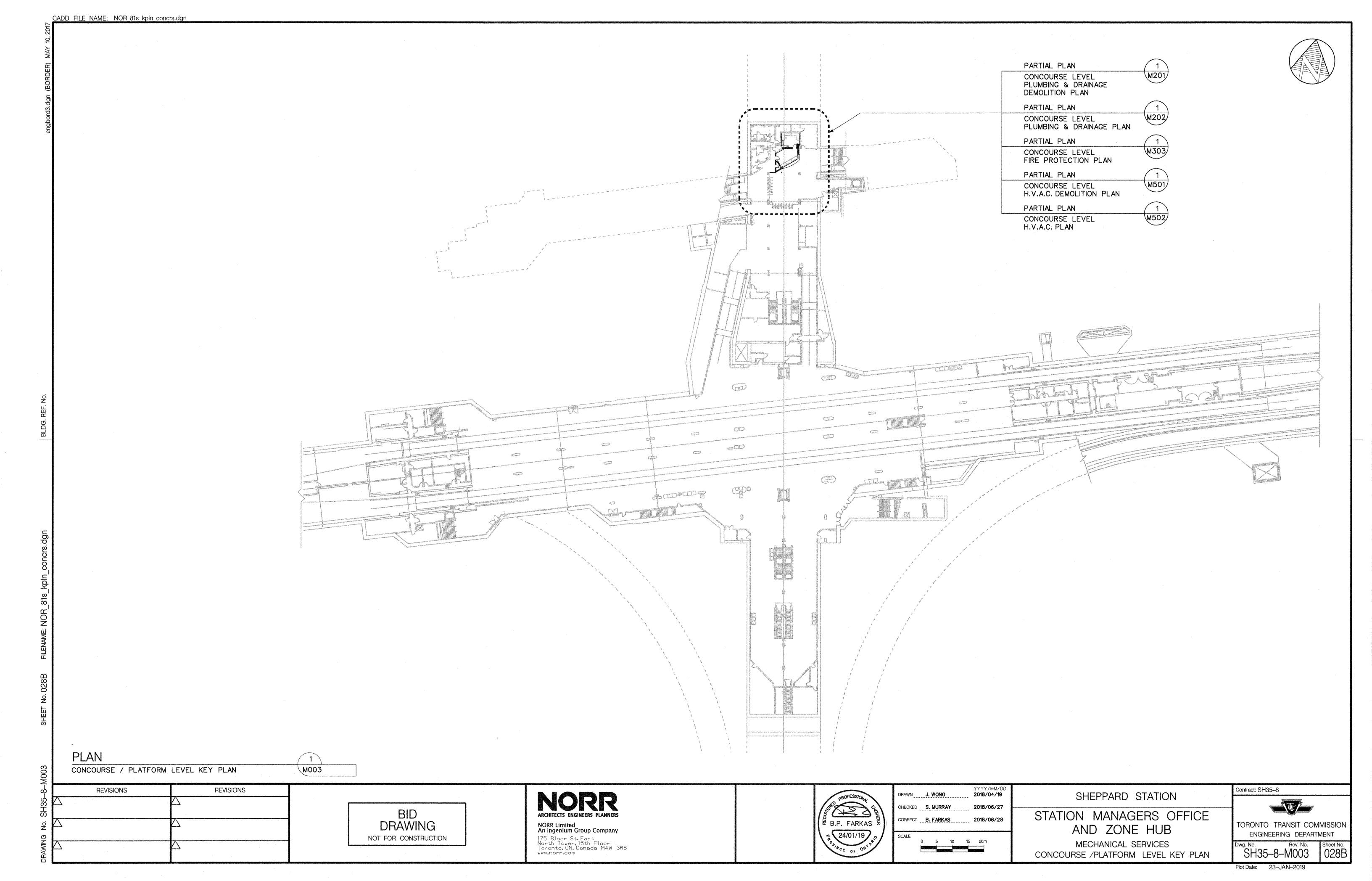
- WASTE GLYCOL DRUM

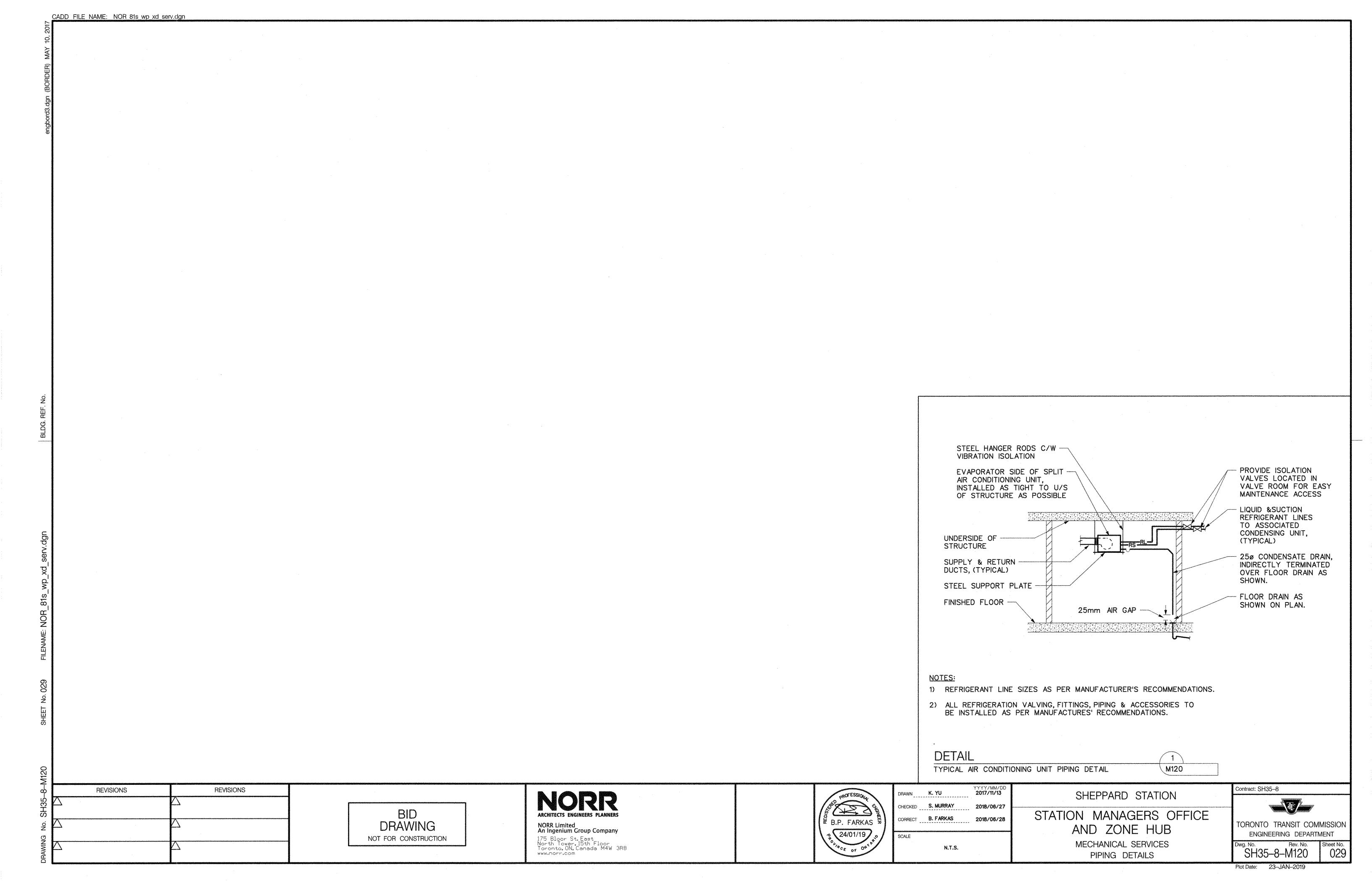
CORRECT B. FARKAS SCALE

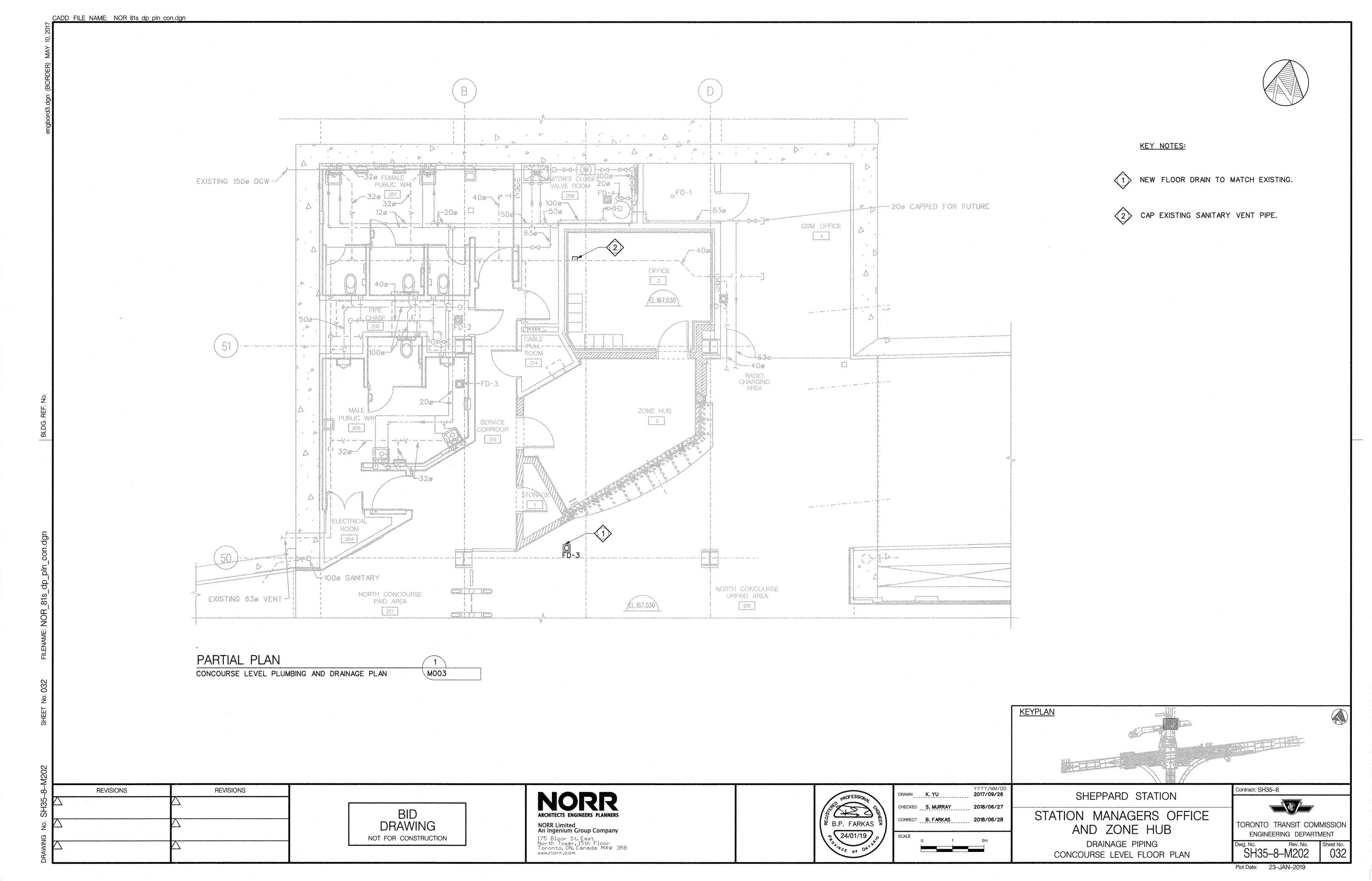
N.T.S.

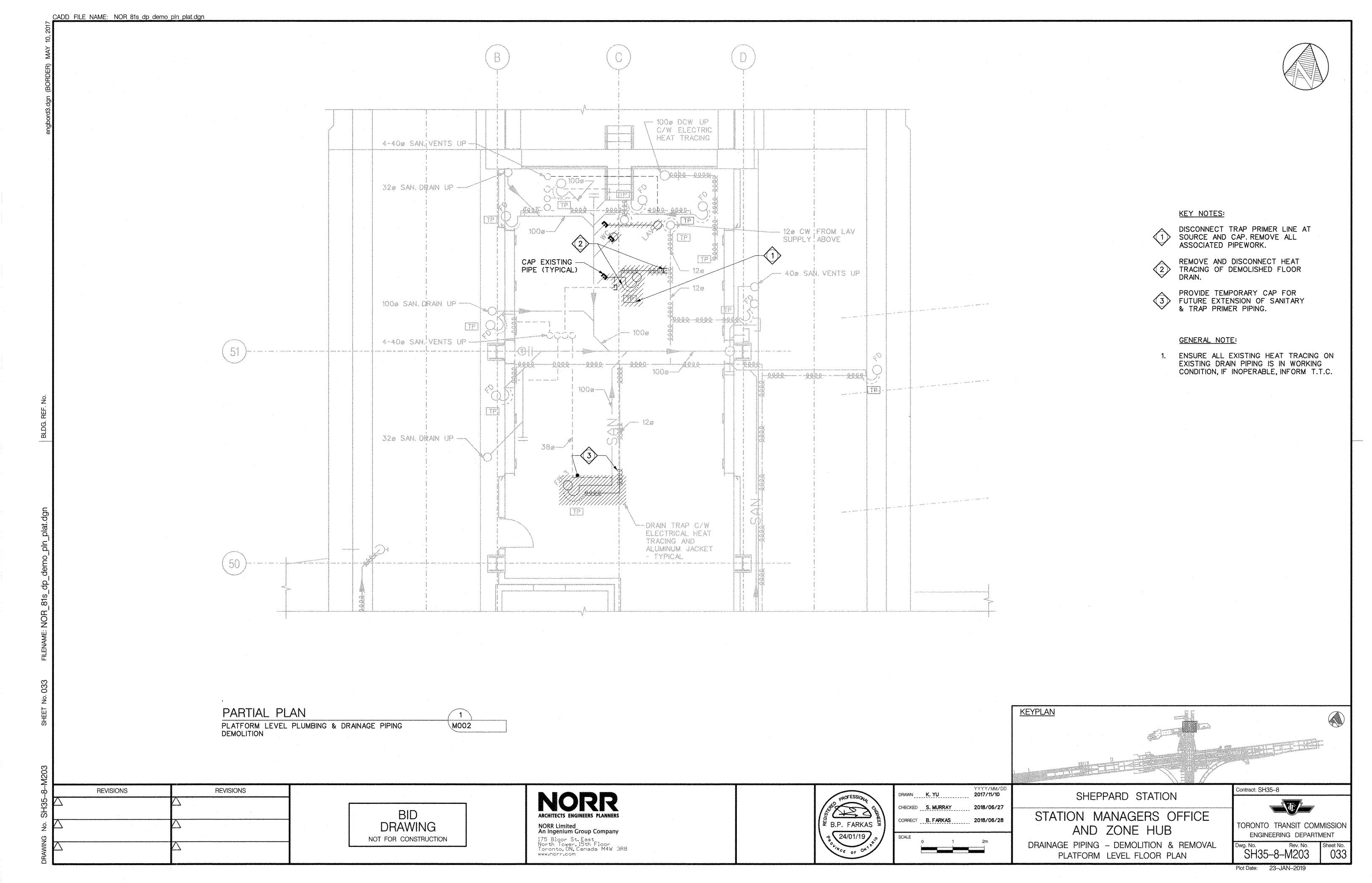
Contract: SH35-8

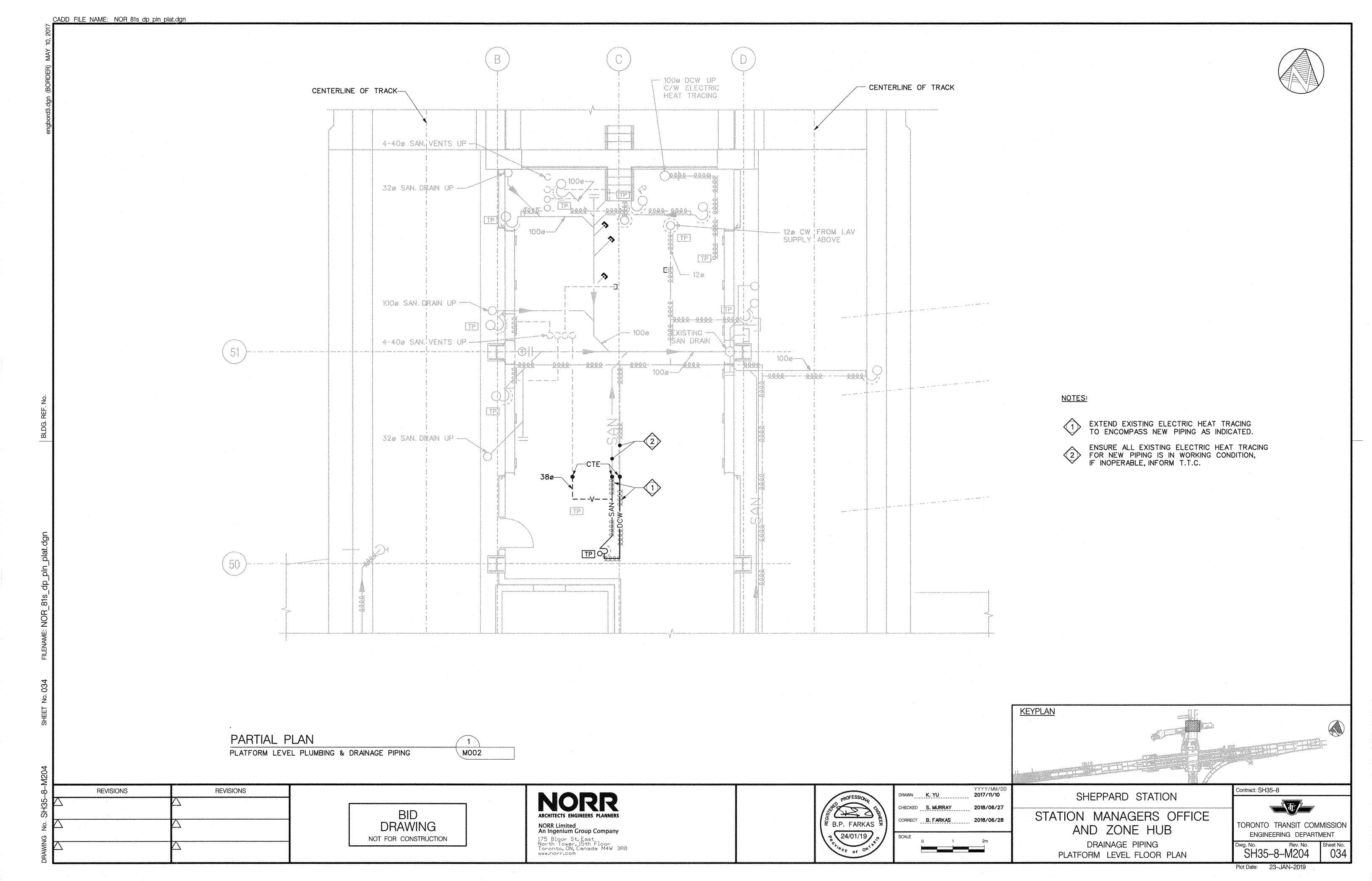


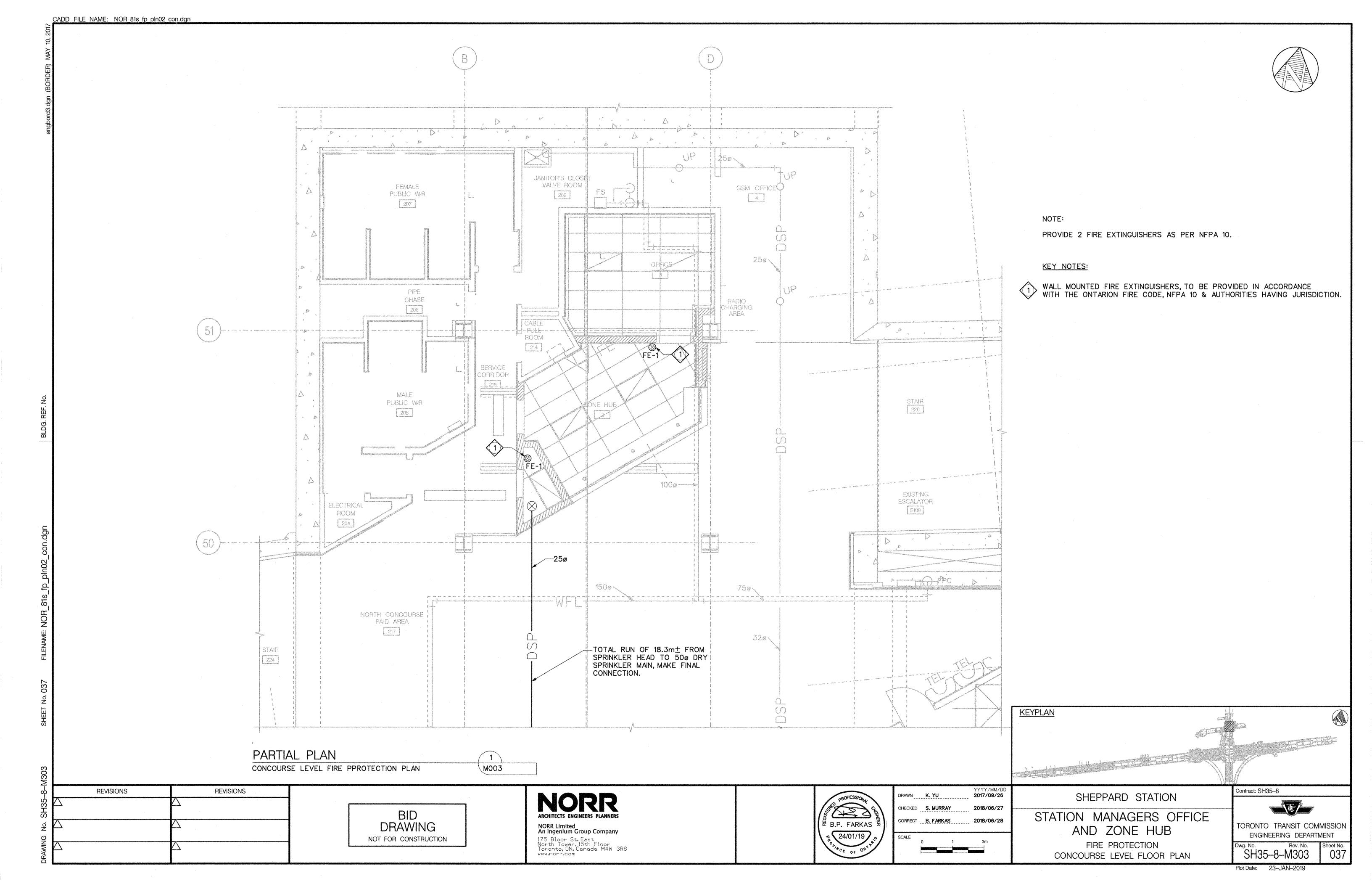


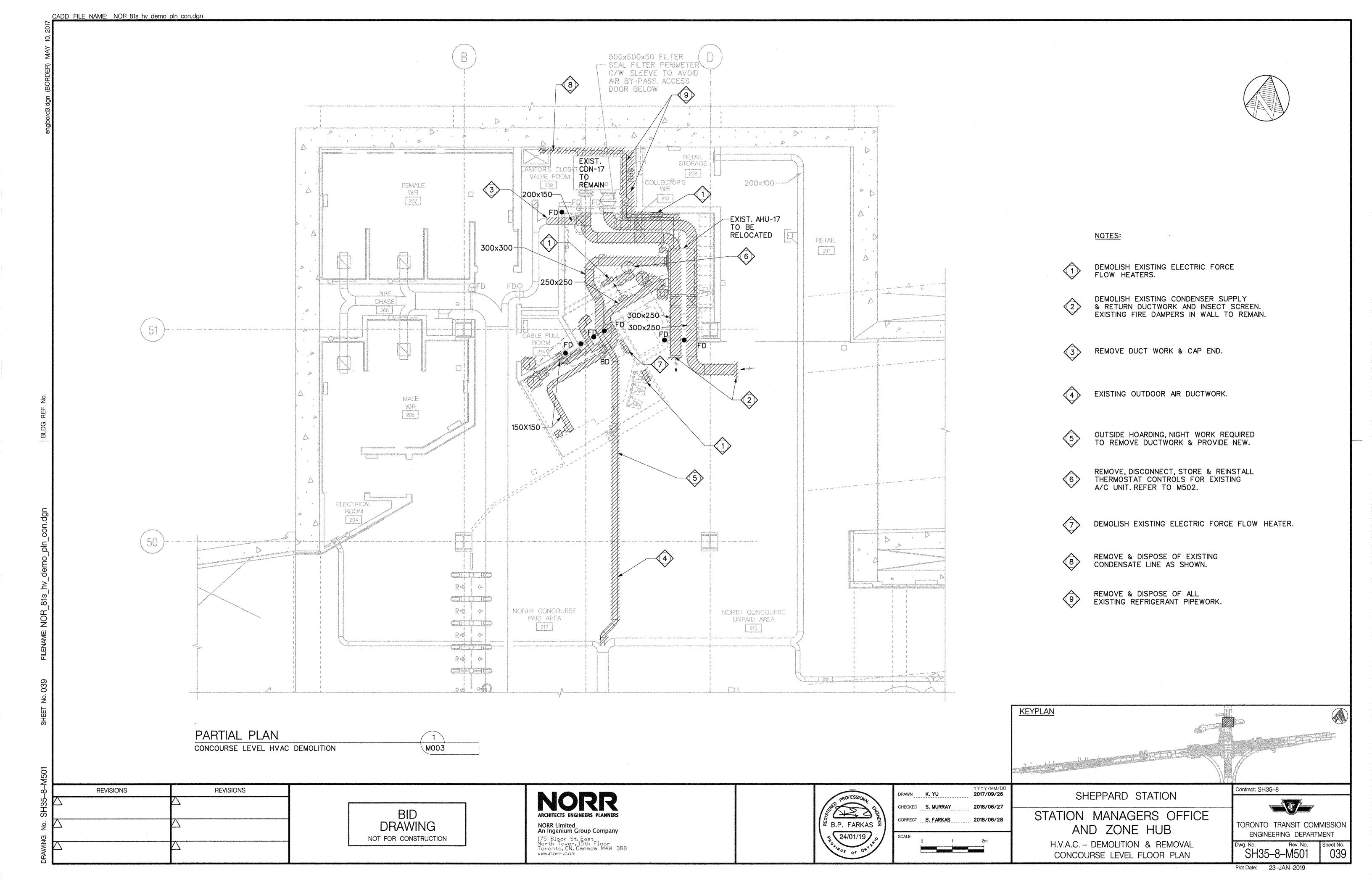


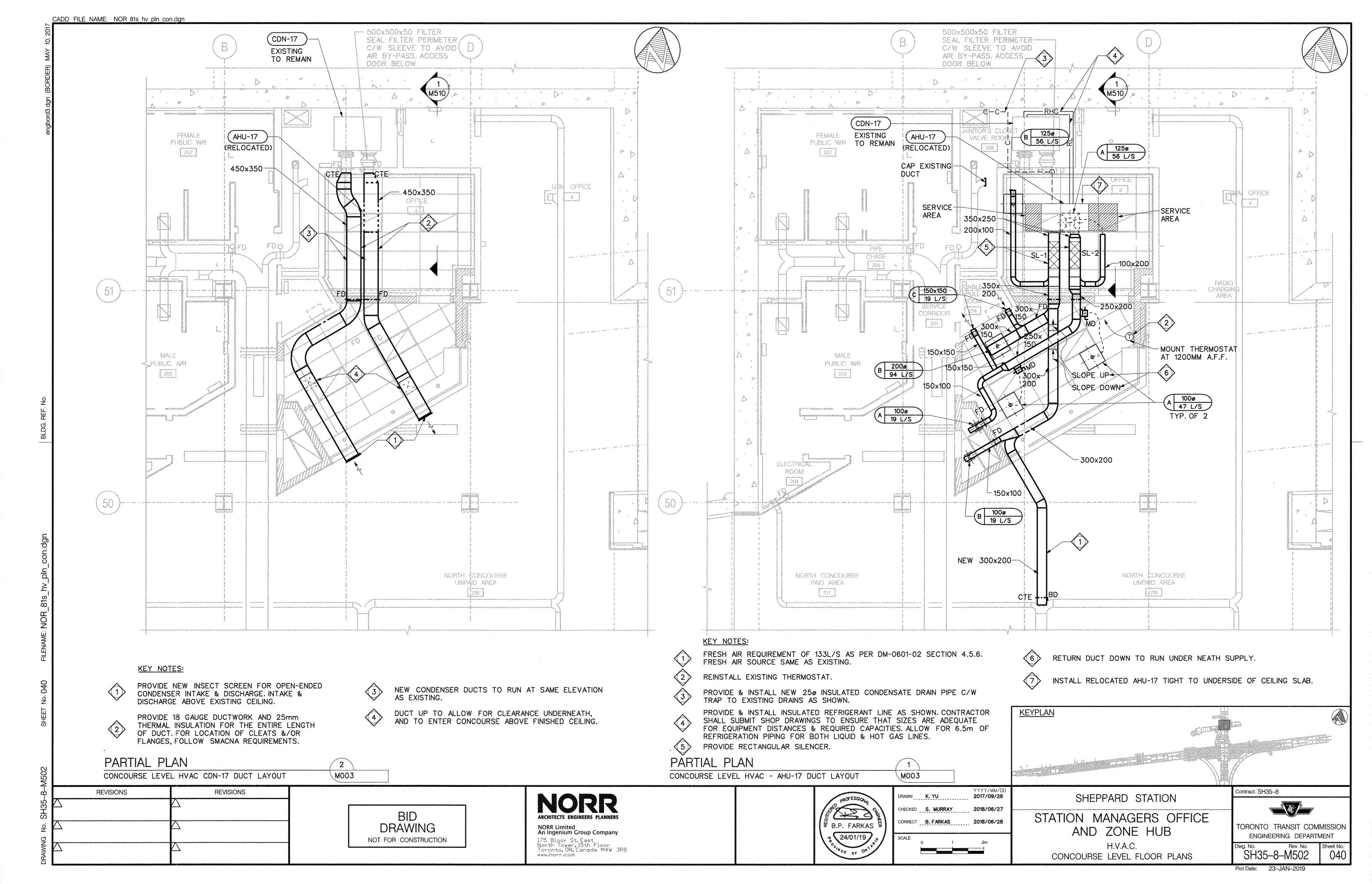


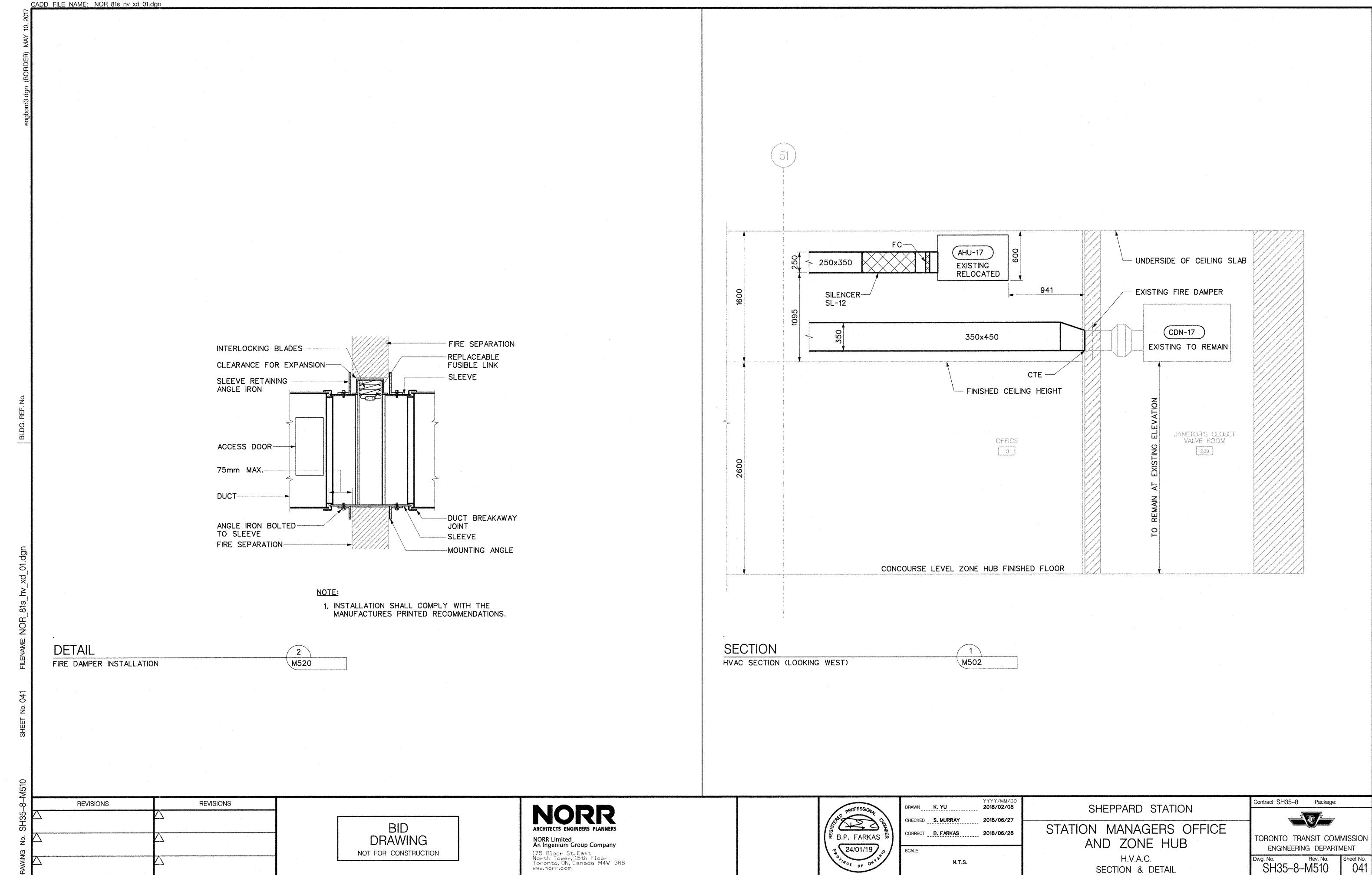




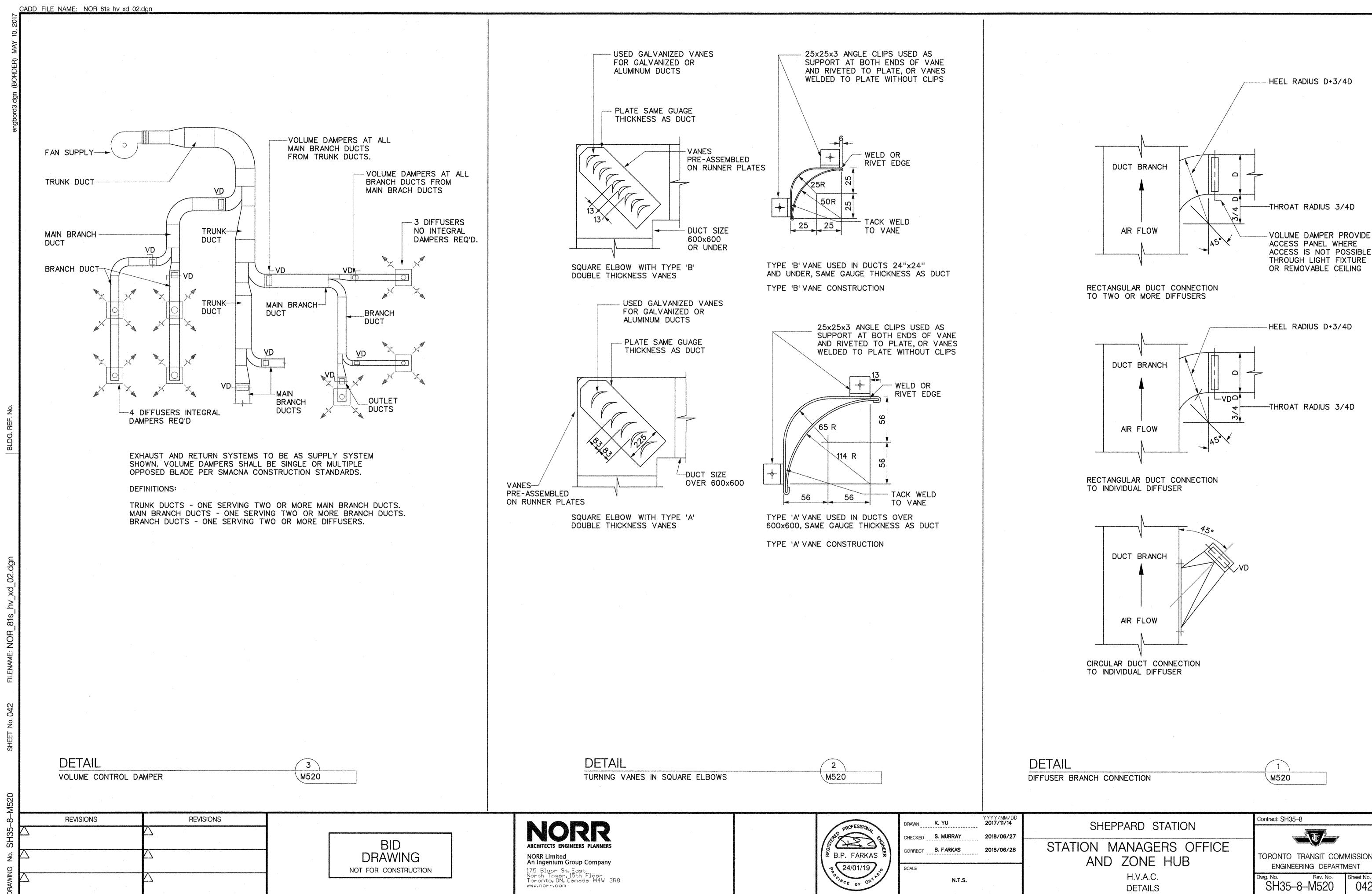








Plot Date: 23-JAN-2019



Plot Date: 23-JAN-2019

	D	IFFUSERS, GR	ILLES AND	REGISTE	ERS SCHEDULE
TAG No.	DESCRIPTION	MANUFACTURER & MODEL No. (1)	MATERIAL	FINISH	COMMENTS (2)
A	SUPPLY SQUARE CONE DIFFUSER	'E. H. PRICE' ASCDA	ALUMINUM	WHITE	c/w VOLUME CONTROL DAMPER
В	RETURN EGGCRATE AIR GRILL LAY IN	'E. H. PRICE' SERIES 80	ALUMINUM	WHITE	c/w VOLUME CONTROL DAMPER & PLENUM BOX
С	SUPPLY/RETURN LOUVRE GRILL	'E. H. PRICE' 610 SUPPLY 630 RETURN	ALUMINUM	WHITE	c/w VOLUME CONTROL DAMPER

SCHEDULE

DIFFUSERS, GRILLES, AND REGISTERS SCHEDULE

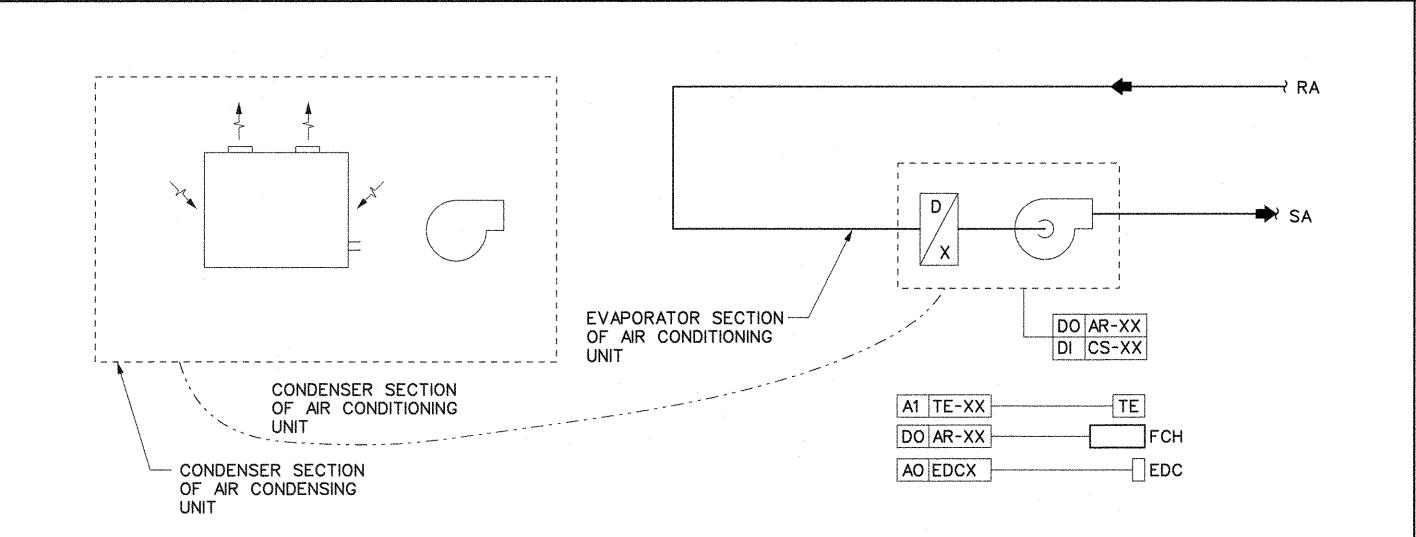


								S	SILENCE	ER	SCI	HEL)ULI							
TAG No.	SERVICE	LOCATION	MAX L/S	OVERALL SIZE		FACE VELOCITY (M/S)	MAX APD (PA)	-	SOUND DATA DYNAMIC INSERTION LOSS (dB) @ FV			MFR	MFR MODEL NO							
				(MM)	H (MM)	L (MM)			FACE VELOCITY (FV) (M/S)	63 HZ	125 HZ	250 HZ	500 HZ	1K HZ	2K HZ	4K HZ	8K HZ			
SL-1	51-ACU-17 EVAPORATOR RETURN	ZONE HUB OFFICE	321	350	250	1000	3.70	20		6	9	13	22	32	36	23	16	PRICE HVAC	RMT39/1D	1, 2, 3
SL-2	51-ACU-17 EVAPORATOR SUPPLY	ZONE HUB OFFICE	321	350	250	1000	5.20	22	-	5	8	10	17	20	20	15	11	PRICE HVAC	RMT39/4C	1, 2, 3

SCHEDULE

SILENCER SCHEDULE

√M560



SEQUENCE OF OPERATION

1) ROOM HEAT/COOLTHERMOSTAT SHALL CYCLE AIR CONDITIONING UNIT TO MAINTAIN COOLING TEMPERATURE SETPOINT, AND SHALL CYCLE ELECTRIC HEATER(S) TO MAINTAIN HEATING TEMPERATURE SETPOINT AS LISTED BELOW.

ACU	TEMPERATURE	ROOM TYPE	
ACC	MINIMUM	MAXIMUM	NOOM 1312
ACU-17 (EXIST.)	21° C	24° C	STAFF ROOM
	-	-	-

N.T.S.

SCHEMATIC

TYPICAL AIR CONDITIONING UNIT

√M560

						DESIGN CR	RITERIA								SE	ELECTION	CRIT	ERIA (1) (2)									ELECT	TRICAL I	DATA	-	EQUIP	MENT INTER	RLOCKS	- Collection of the Collection	
TAG	AREA SERVED	i	PLAN		TOTAL	TOTAL	MAX.	SOUND	ELEC	ELECTRICAL HEA		EATING			EVAPORATOR SECTION			COND	CONDENSER SECTION			FILTER SECTION			EVAPORATOR		CONDENSER		SER	UNIT	INTERLOCK TYPE CONTROLS		1 1		
No.		ט	DRAWING No.			COOLING		No. OF STAGES AND	CAPACITY	ACITY	AIR TE	TEMP.	COOLING	COIL FAN		AN	AIR ESP	SP AMBIENT	ENT TYPE	AVER. T	THICKNESS MC	MCA	A MCOF	VOLTAGE MC	GE MCA	A MCOF	VOLTAGE	No.	PHYSICAL	BACS		WT. (6			
									STAGES INP AND	INPUT	JT OUTPU	F ENT.	LVG.	SENSIBL	TOTAL	AIR FLOW		LOW/ MOTO HIGH SIZE			ТЕМР.	3.	EFF.		The second secon		The state of the s			Andrew Commission of the Commi	-				
					kW	kW	L/s	MAX dBA	ITE	kW	kW	°C	°C	kW	kW	L/s	Pa	RPM kW	L/S	Pa	C.		MERV	mm	Amp	Amp	V/ph/	Hz Amp	Amp	V/ph/Hz		YES/NO	YES/NO	DWG. No.	(LBS)
ACU-17	ZONE HUE		M502	UNITED COOL AIR EH2G1ASHA05/ BH2G1ASHA	4.2	6.4	133	74	1	5	5	west		4.7	6.4	326	299	- 0.37	755	62	35	PLEATE	D 8	50	31.5	35	208/1/	′60 19.4	30	208/1/60 5	I-CDN-17	YES	NO	M-560	240/ REFER 510 NOTES
					art of Santing of the State of A T 18 18 18 18 18 18 18 18 18 18 18 18 18																					***************************************									

FOOTNOTES:

- ELECTRIC HEATER C/W SCR CONTROLS.

(2) C/W/ NON POGRAMMABLE T-STAT.
 (3) REFRIGERANT R-410a C/W 2.95Kg CHARGE.
 (4) THIS SCHEDULE IS ISSUED FOR REFERENCE ONLY.

SCHEDULE

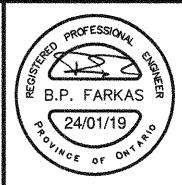
DX SPLIT SYSTEM SCHEDULE

3 √M560

	- 1
·	

BID DRAWING NOT FOR CONSTRUCTION





VN	K. YU	YYYY/MM/DD 2017/11/13	
CKED	S. MURRAY	2018/06/27	
RECT	B. FARKAS	. 2018/06/28	
			1

N.T.S.

SHEPPARD STATION STATION MANAGERS OFFICE AND ZONE HUB H.V.A.C.

SCHEDULES

Contract: SH35-8 TORONTO TRANSIT COMMISSION ENGINEERING DEPARTMENT Dwg. No. Rev. No. SH35—8—M560

Plot Date: 23-JAN-2019