

# RCMP FURNACE REPLACEMENT

## TYPICAL DETAILS

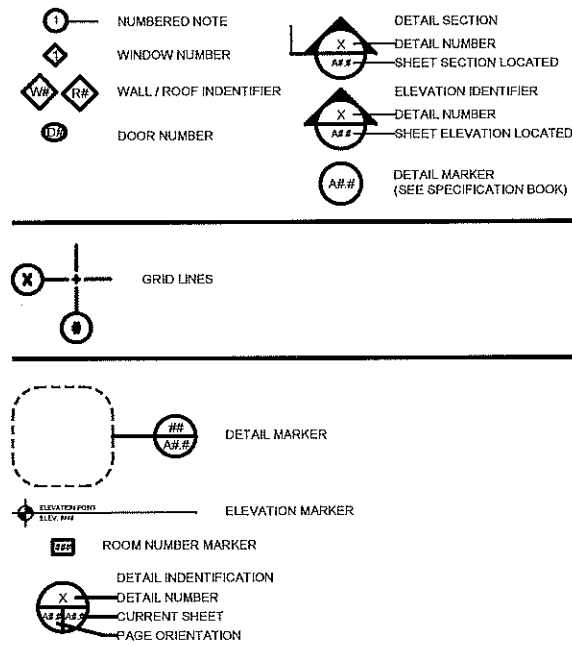
### NUNAVUT

#### DRAWING LIST

##### DRAWING LIST

M0.0 TITLE PAGE  
M1.0 DETAILS AND FUEL SYSTEM  
M2.0 TYPICAL FURNACE DRAWINGS  
M2.1 DETAILS

#### DRAWING SYMBOLS



#### ABBREVIATION LIST

ACOUSTIC	ACST	DRYWALL	DW	LAVATORY	LAV	ROOM	RM
ADHESIVE	ADH	EACH	EA	LAY-IN ACOUSTIC TILE	LAT	ROUGH OPENING	RO
ADJUSTABLE	ADJ	EACH WAY	EW	LEFT HAND	LH	RUBBER	RB
AGGREGATE	AGGR	EAST	E	LEFT HAND REVERSE	LHR	RVT	RESILIENT SHEET FLOORING
AIR VAPOUR BARRIER	AVB	ELECTRICAL	ELEC	LENGTH	LG	SCHEDULE	SCHED
ALTERNATE	ALT	ELEVATION	EL	LIGHT	LT	SCREW	SCR
ALUMINUM	ALUM	ELEVATOR	ELEV	LOUVRE	LVR	SECTION	SECT
APARTMENT	APT	EPOXY	EP	MANUFACTURE	MFG	SELF ADHESIVE	SA
APPROXIMATE	APPROX	EQUAL	EQ	MARK	MK	SHEATHING	SHTG
ARCHITECTURE	ARCH	EQUALLY SPACED	EQ SP	MASONRY OPENING	MO	SHEET	SHT
BEAM	BM	EQUIPMENT	EQUIP	MATERIAL	MAT	SHEET VINYL	SV
BENCH MARK	BM	EXISTING	EXIST	MECHANICAL	MECH	SIMILAR	SIM
BETWEEN	BTWN	EXPANSION	EXP	MINIMUM	MIN	SOLID CORE	SC
BLOCK	BLK	EXTERIOR	EXT	MISCELLANEOUS	MISC	SOUTH	S
BOARD	BD	EXTRUDE	EXTR	NEAR FACE	NF	SPECIFICATION	SPEC
BOTH SIDES	BS	FACE TO FACE	FF	NEAR SIDE	NS	SPRUCE	SPR
BOTH WAYS	BW	FAR SIDE	FS	NORTH	N	SPRUCE, PINE OR FIR	S/P/F
BOTTOM	BOT	FIBREBOARD	FBRBD	NOT APPLICABLE	N/A	STAIN	ST
BUILDING	BLDG	FINISH	FIN	NOT IN CONTRACT	NIC	STAINLESS STEEL	SS
CARPET	CPT	FLOOR	FL	NOT TO SCALE	NTS	STANDARD	STD
CAST IRON	CI	FLOOR DRAIN	FD	NUMBER	NO	STEEL	STL
CEILING	CLG	FLOORING	FLG	ON CENTRE	O/C	STRUCTURAL	STRUCT
CEMENT BOARD	CBD	FLUORESCENT	FLR	OUT TO OUT	O/O	SQUARE FEET	SF
CENTRE	CTR	FOOTING	FTG	OUTSIDE DIAMETER	OD	TEMPORARY	TEMP
CENTRE TO CENTRE	C/C	FOUNDATION	FDN	OUTSIDE FACE	OF	THROUGH	THRU
CERAMIC TILE	CT	FULL SIZE	FS	OVERHEAD	OH	TO MATCH EXISTING	TME
CIRCLE	CIRC	GALVANIZED	GALV	PAINT	PT	TONGUE AND GROOVE	T&G
CLEAR	CLR	GALVANIZED IRON	GI	PAINTED	PTD	TOP AND BOTTOM	T&B
COLUMN	COL	GAUGE	GA	PARTITION	PTN	TOP OF	T/O
COMPLETE WITH	CW	GLASS	GL	PLYWOOD	PLYWD	TYPICAL	TYP
CONCRETE	CONC	HARDWARE	HDW	PRECAST	PC	UNDER SIDE	U/S
CONCRETE BLOCK	CBLK	HEIGHT	HGT	PRECAST CONCRETE	PC CONC	UNDERCUT	UCUT
CONSTRUCTION	CONST	HEXAGON	HEX	PREFABRICATION	PREFAB	URNAL	UR
CONTINUOUS	CONT	HOLLOW CORE	HC	PREFINISHED	PREFIN	VAPOUR BARRIER	VB
CONTROL JOINT	CJ	HOLLOW METAL	HM	PRESSED STEEL	PS	VERTICAL	VERT
COUNTERSINK	CSK	HORIZONTAL	HORIZ	QUANTITY	QTY	VINYL ASBESTOS TILE	VAT
COVED SHEET VINYL	CSV	INCLUSIVE	INCL	QUARRY TILE	QT	VINYL COVE BASE	VCB
DETAIL	DTL	INSIDE DIAMETER	ID	RADIUS	R	VINYL TILE	VT
DEMOLISH	DEMO	INSIDE FACE	IF	RAINWATER LEADER	RWL	VINYL WALL COVERING	VWC
DIAGONAL	DIAG	INSULATE	INSUL	REFERENCE	REF	WATER CLOSET	WC
DIAMETER	DIA	INTERIOR	INT	REINFORCE	REINF	WEATHERSTRIPPING	WS
DIMENSION	DIM	JOINT	JT	RESILIENT	RESIL	WEIGHT	WT
DOOR	DR	JOIST	JST	REVERSE	RVS	WITH	W
	DBL	KNOCK DOWN	KD	REVISION	REV	WITHOUT	W/O
	DN	LAMINATE	LAM	RIGHT HAND	RH	WOOD	WD



PROJECT TITLE:  
TYPICAL FURNACE INSTALLATION

SHEET TITLE:  
TITLE PAGE

PROJECT NUMBER:  
18-040-01-30

00 Issued for Construction 18 11 04 JLS

REV. # | REVISION | DATE (YY MM DD) | REV. BY

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SCALE:  
AS NOTED

DATE (YY MM DD):  
18 09 20

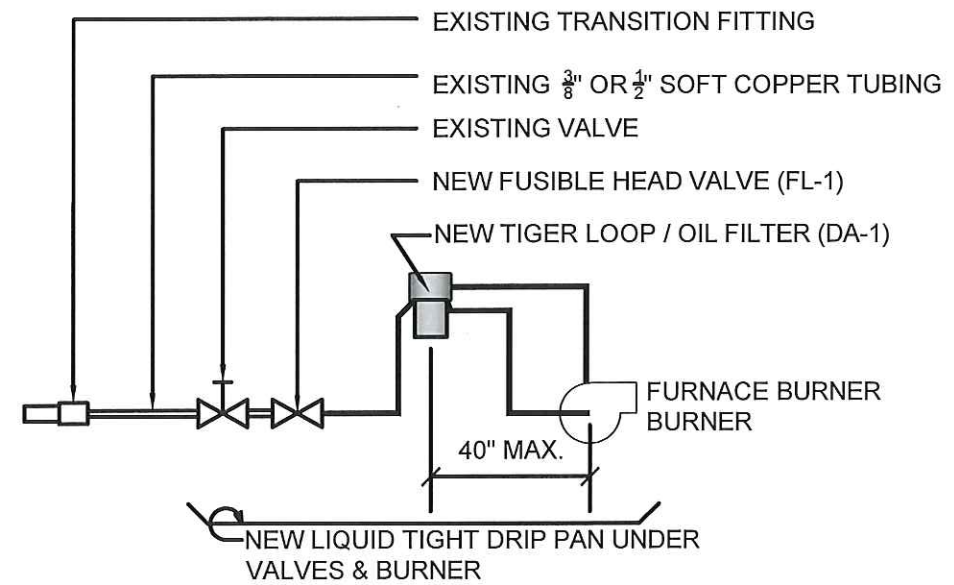
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M0.0

REVISION NUMBER:  
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**FURNACE REPLACEMENT NOTES:**

1. FURNACE REPLACEMENT SCOPE OF WORK
  - 1.1. REMOVE AND REPLACE FURNACE
  - 1.2. REMOVE AND REPLACE THERMOSTAT
  - 1.3. DOWN FLOW INSTALLATIONS - REMOVE AND REPLACE RETURN AIR DUCTWORK SO THAT IN FUTURE, THE FURNACE FILTER CAN BE REPLACED WITHOUT REMOVAL OF THE FURNACE FLUE.
  - 1.4. UP-FLOW INSTALLATION - INSTALL NEW RETURN AIR SO FURNACE FILTER IS ACCESSIBLE.
  - 1.5. INSTALL NEW COMBUSTION AIR AT FLOOR AS PER DETAIL SHEET M2.1
2. REPLACEMENT OF FURNACE FLUE
  - 2.1. REMOVE AND REPLACE FURNACE FLUE.
  - 2.2. INSTALL NEW FLASHING AS PER ROOF TYPE. RUBBER GASKETS FOR STEEL AND ANGLED FLASHING FOR SHINGLE
  - 2.3. INSTALL MINIMUM OF 4 GUY WIRES
  - 2.4. CAULK SEAL TO ROOF TO ENSURE THAT IT IS WEATHER TIGHT
  - 2.5. INSTALL NEW STORM COLLAR
  - 2.6. INSTALL NEW BAROMETRIC DAMPER
  - 2.7. INSTALL DUAL OPENING BASE TEE WHEN HOT WATER TANK PRESENT. ADJUST SIZE OF VENT PIPE TO ACCOMMODATE HOT WATER TANK OR SECOND FURNACE. (SITE VERIFY)
3. FUEL SYSTEM
  - 3.1. REMOVE AND REPLACE FUEL FILTER
  - 3.2. REMOVE AND REPLACE TIGER LOOP
  - 3.3. INSTALL NEW DRIP TRAY UNDER FUEL FILTER AND TIGER LOOP
4. SPARE EQUIPMENT REQUIRED
  - 4.1. CONTRACTOR TO SUPPLY 12 (TWELVE) NEW FURNACE FILTERS FOR EACH FURNACE INSTALLATION
  - 4.2. CONTRACTOR TO SUPPLY 2 (TWO) NEW FUEL FILTERS FOR EACH FURNACE INSTALLATION
  - 4.3. CONTRACTOR IS TO SUPPLY A NEW 7 DAY PROGRAMMABLE THERMOSTAT WITH EACH NEW FURNACE. THE CONTRACTOR IS ALSO TO SUPPLY A SPARE THERMOSTAT.



01 FUEL SYSTEM SCHEMATIC  
 M1.0 SCALE: 3/4"=1'-0"

PERMIT TO PRACTICE  
 CAN-TEC SERVICES LTD.  
 Signature *J.V. Loesel Sitar*  
 Date *Nov 8, 2018*  
 PERMIT NUMBER: P 647  
 NWT/NU Association of Professional  
 Engineers and Geoscientists



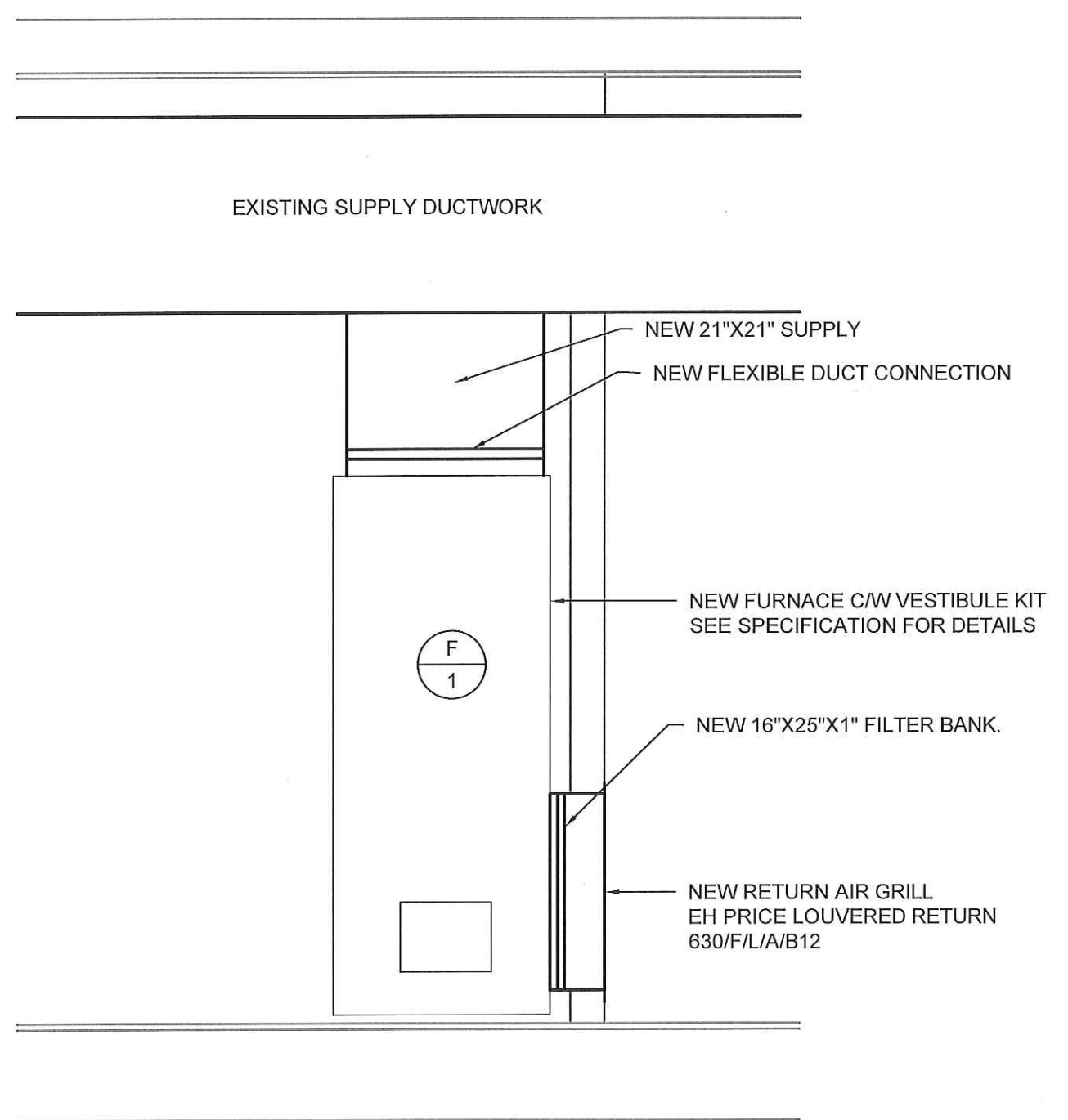
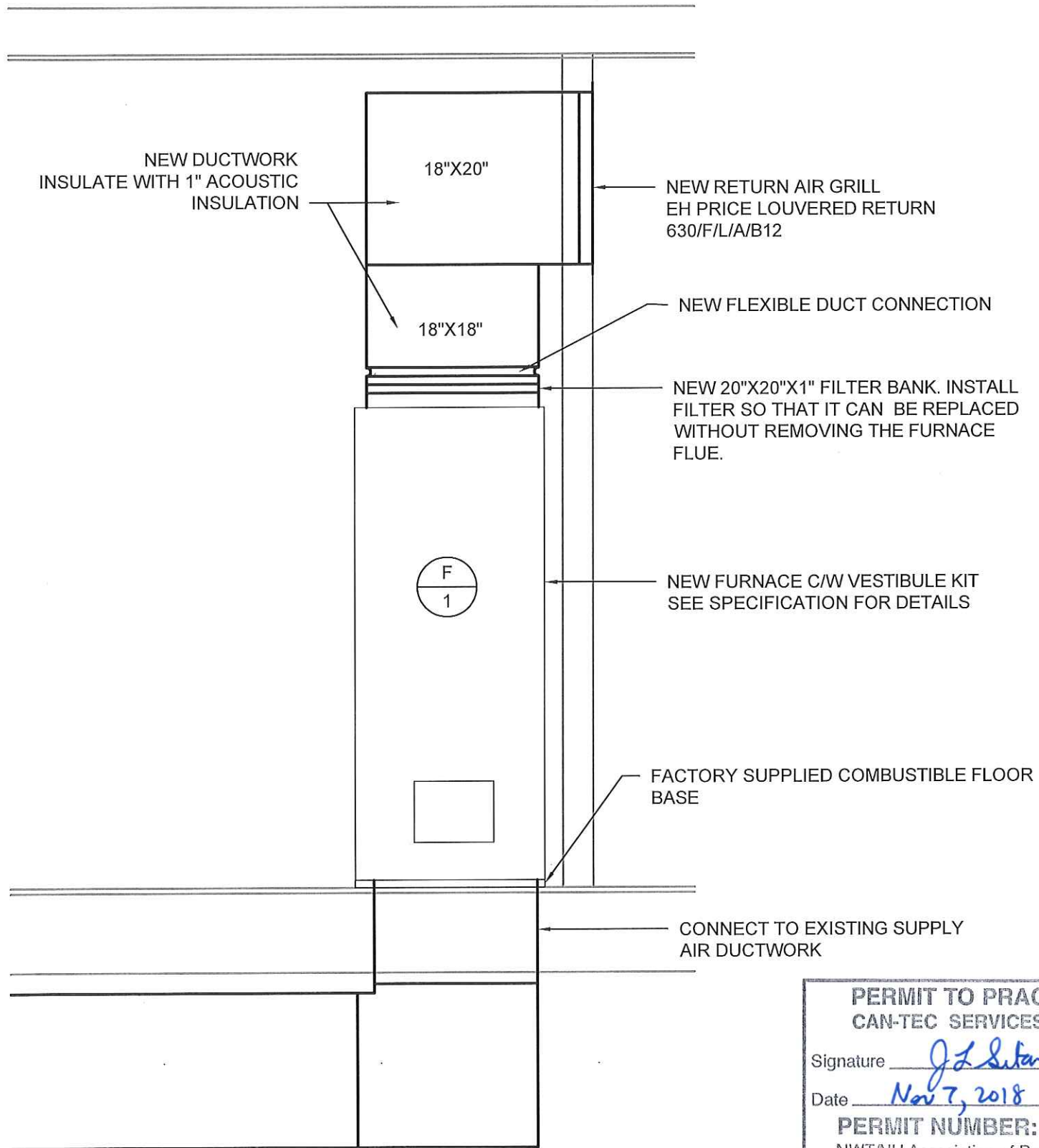
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 RCMP - TYPICAL FURNACE INSTALLATION  
 SHEET TITLE:  
 INSTALLATION NOTES  
 PROJECT NUMBER:  
 18-040-01-30

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**M1.0**  
 REVISION NUMBER:  
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01 TYPICAL DOWNFLOW FURNACE  
M2.0 SCALE: 3/4"=1'-0"

02 TYPICAL UPFLOW FURNACE  
M2.0 SCALE: 3/4"=1'-0"

PERMIT TO PRACTICE  
CAN-TEC SERVICES LTD.  
Signature J.V. Loesel Sitar  
Date Nov 7, 2018  
PERMIT NUMBER: P 647  
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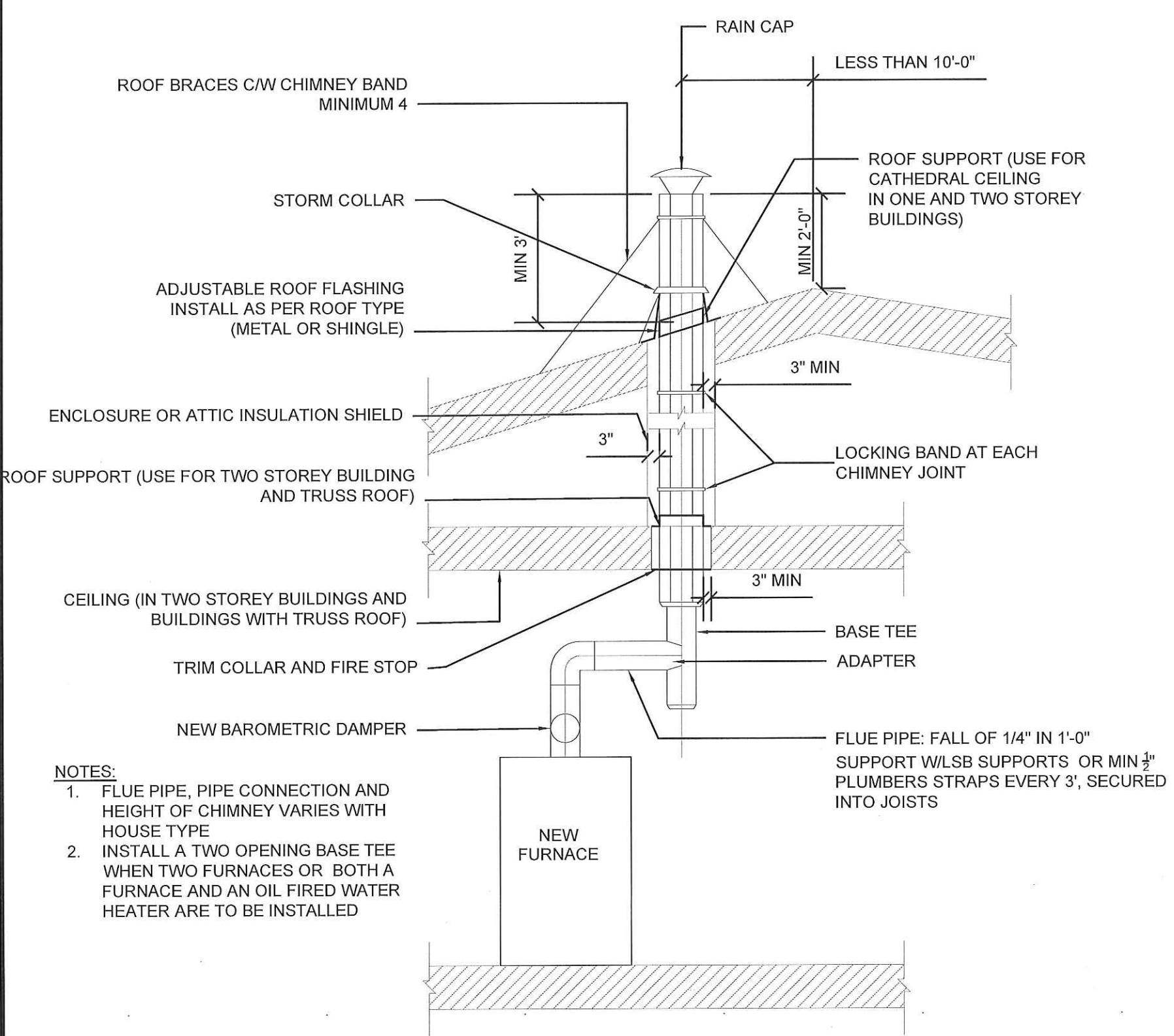
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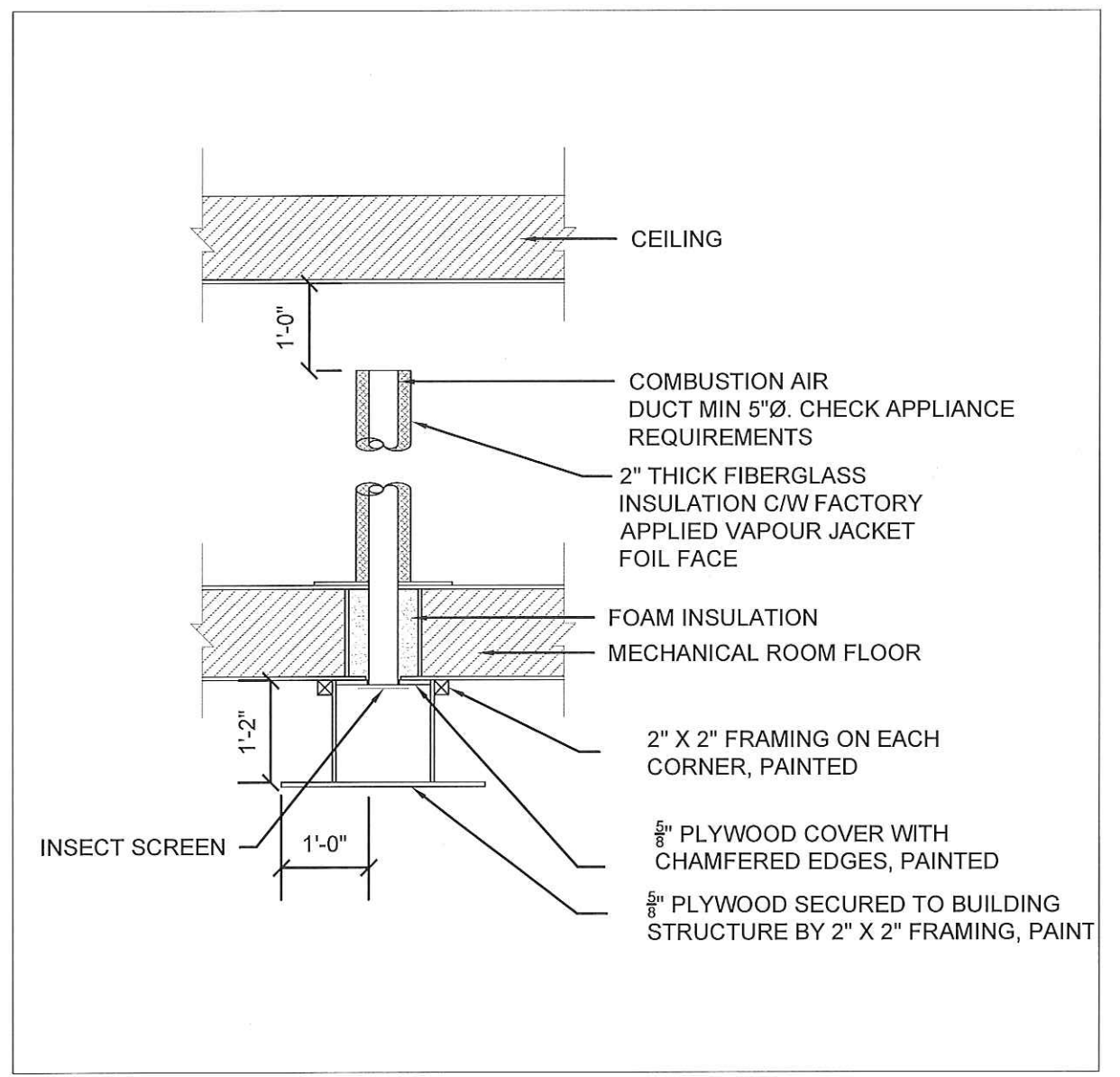
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**M2.0**  
REVISION NUMBER:  
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- NOTES:**
1. FLUE PIPE, PIPE CONNECTION AND HEIGHT OF CHIMNEY VARIES WITH HOUSE TYPE
  2. INSTALL A TWO OPENING BASE TEE WHEN TWO FURNACES OR BOTH A FURNACE AND AN OIL FIRED WATER HEATER ARE TO BE INSTALLED

**01 TYPICAL CHIMNEY DETAIL**  
M2.1 SCALE: NTS



**02 COMBUSTION AIR DUCT**  
M2.1 SCALE: NTS

**PERMIT TO PRACTICE**  
CAN-TEC SERVICES LTD.  
Signature: *J. Loesel*  
Date: *Nov 7, 2018*  
**PERMIT NUMBER: P 647**  
NWT/NU Association of Professional Engineers and Geoscientists



PROJECT TITLE:  
RCMP - TYPICAL FURNACE INSTALLATION  
SHEET TITLE:  
DETAILS  
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DRAWING NUMBER:  
**M2.1**  
REVISION NUMBER:  
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