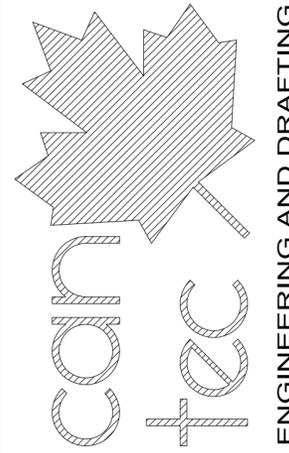


QIKIQTARJUAQ MECHANICAL UPGRADE FACILITY BUILDING V088 TENDER

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MECHANICAL UPGRADE - FACILITY BUILDING

TITLE PAGE

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LOCATION: QIKIQTARJUAQ, NUNAVUT

TENDER
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REVISION #: 00
JOB NO.

17-034-01-30

DRAWING LIST

CONSULTANT LIST

DRAWING SYMBOLS

ABBREVIATION LIST

DRAWING LIST

M0.0	TITLE PAGE
M1.0	MECHANICAL ROOM DEMOLITION PLAN
M1.1	DEMOLITION DETAILS
M2.0	MECHANICAL ROOM CONSTRUCTION PLAN
M2.1	MECHANICAL ROOM SECTIONS
M3.0	SCHEMATICS AND DETAILS

PRIME CONSULTANT:

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MECHANICAL ENGINEERING:

ENGINEERING AND DRAFTING
1948 MAIN STREET, WINNIPEG, MANITOBA

DRAWING SYMBOLS

	NUMBERED NOTE		DETAIL SECTION
	WINDOW NUMBER		DETAIL NUMBER
	WALL / ROOF IDENTIFIER		SHEET SECTION LOCATED
	DOOR NUMBER		ELEVATION IDENTIFIER
			DETAIL NUMBER
			SHEET ELEVATION LOCATED
			DETAIL MARKER (SEE SPECIFICATION BOOK)

GRID LINES |

DETAIL MARKER |

ELEVATION MARKER |

ROOM NUMBER MARKER |

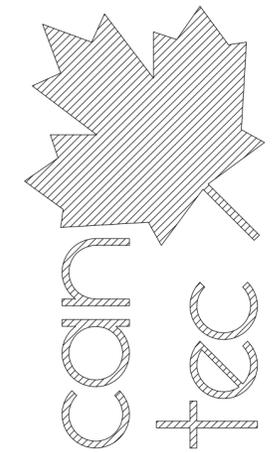
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| | CURRENT SHEET | | |
| | PAGE ORIENTATION | | |

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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	F/F	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	CHRC	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	C/W	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
TENDER	CONST	HEXAGON	HEX	PREFABRICATION	PREFAB	URINAL	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
COVERED 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

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PROJECT TITLE
MECHANICAL UPGRADE FACILITY BUILDING

SHEET TITLE
MECHANICAL ROOM DEMOLITION PLAN

DATE (YY MM DD)
 18 03 01

SCALE
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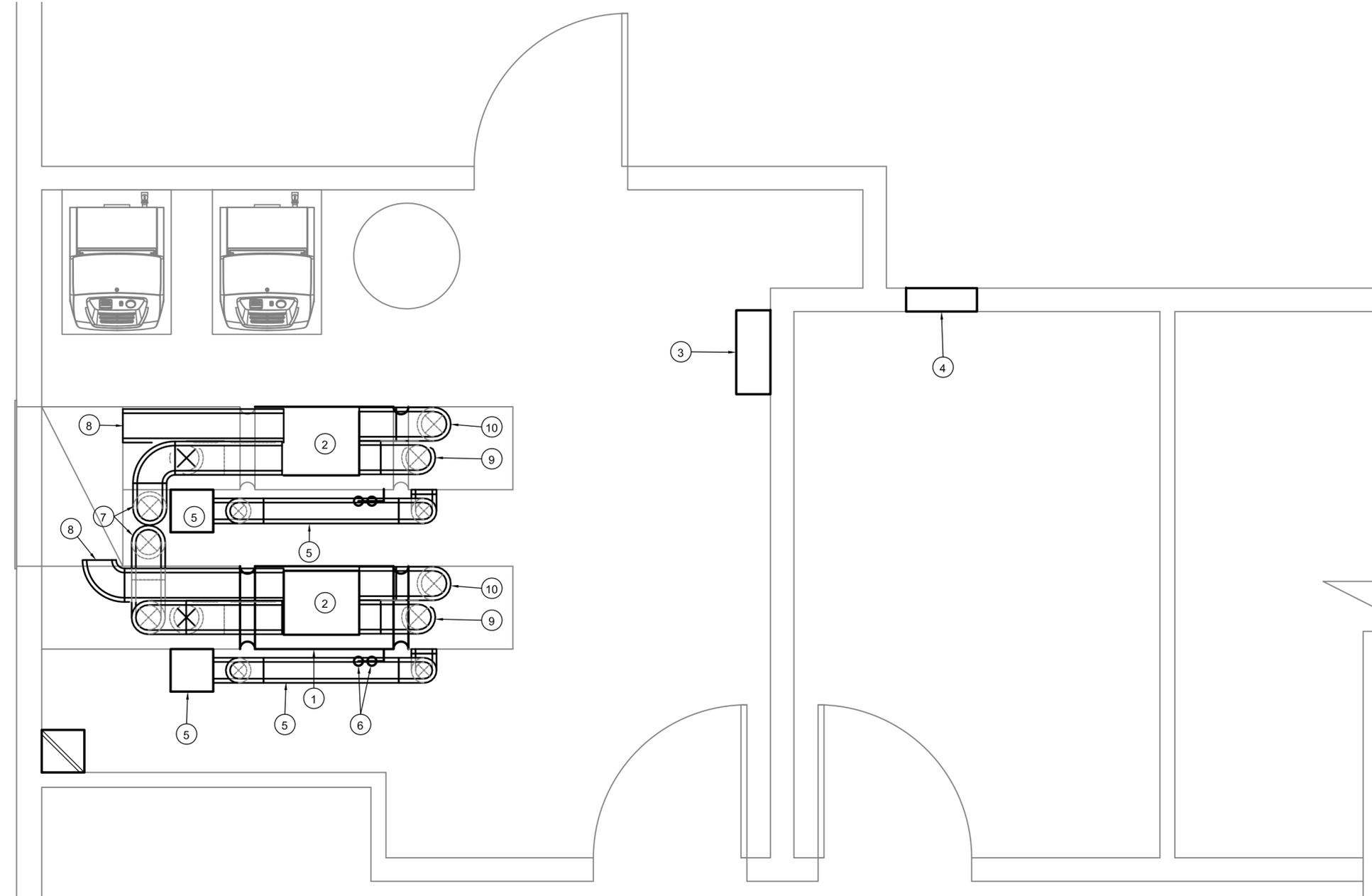
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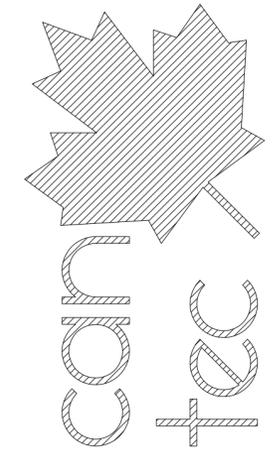


1 MECHANICAL ROOM DEMOLITION PLAN
 M1.0 SCALE: 1:20

- DRAWING NOTES #
- REMOVE EXISTING AIR HANDLING UNIT, AH-2
 - REMOVE EXISTING HRV(HRV-1 AND HRV-2)
 - REMOVE 4-WAY CONTROL VALVE, ACTUATOR AND ASSOCIATED LEAKING PIPING.
 - REMOVE IN FLOOR HEATING ZONE VALVES AND ASSOCIATED THERMOSTATS IN SECURE AREA
 - REMOVE EXISTING HUMIDIFIER AND ALL ASSOCIATED DUCTWORK.
 - EXISTING SUPPLY AND RETURN PIPING TO AHU OIL
 - FRESH AIR TO HRV
 - EXHAUST AIR TO OUTSIDE
 - EXHAUST AIR FROM BUILDING
 - FRESH AIR TO BUILDING

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- REMOVE CONTROLLER
- REMOVE GAUGE
- REMOVE VALVE
- REMOVE SENSOR
- REMOVE GAUGE
- REMOVE GAUGE
- REMOVE 4 WAY VALVE
- REMOVE GAUGE
- REMOVE SENSOR
- REMOVE VALVE
- REMOVE DAMAGED INSULATION
- REMOVE DRAIN VALVE

1 FOUR WAY VALVE DEMOLITION DETAIL
 M1.1 SCALE: NTS

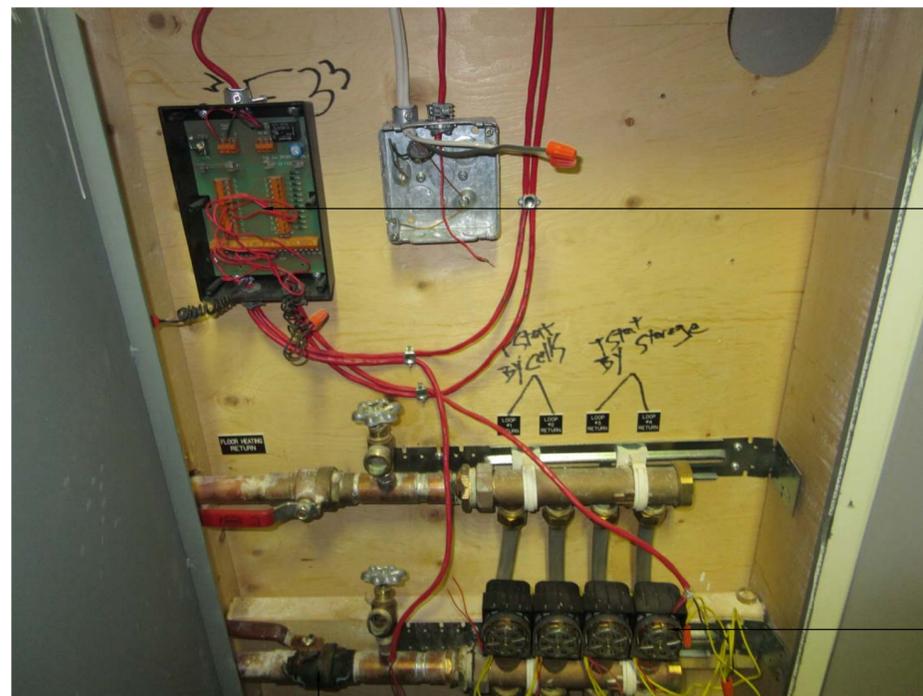


- REMOVE VALVE
- REMOVE PIPING
- REMOVE THERMOSTAT

2 DAMAGED PIPING DEMOLITION
 M1.1 SCALE: NTS



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- REMOVE CONTROLLER
- REMOVE CONTROL VALVES
- REMOVE VALVE AND DAMAGED PIPING

2 IN-FLOOR HEATING CABINET DEMOLITION
 M1.1 SCALE: NTS

NOTE:
 THERMOSTATS TO BE REMOVED AT CELLS AND BY STORAGE ROOM

PROJECT TITLE
MECHANICAL UPGRADE FACILITY BUILDING

SHEET TITLE
DEMOLITION DETAILS

DATE (YY MM DD) 18 03 01
 SCALE AS NOTED
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 DRAWN BY RS

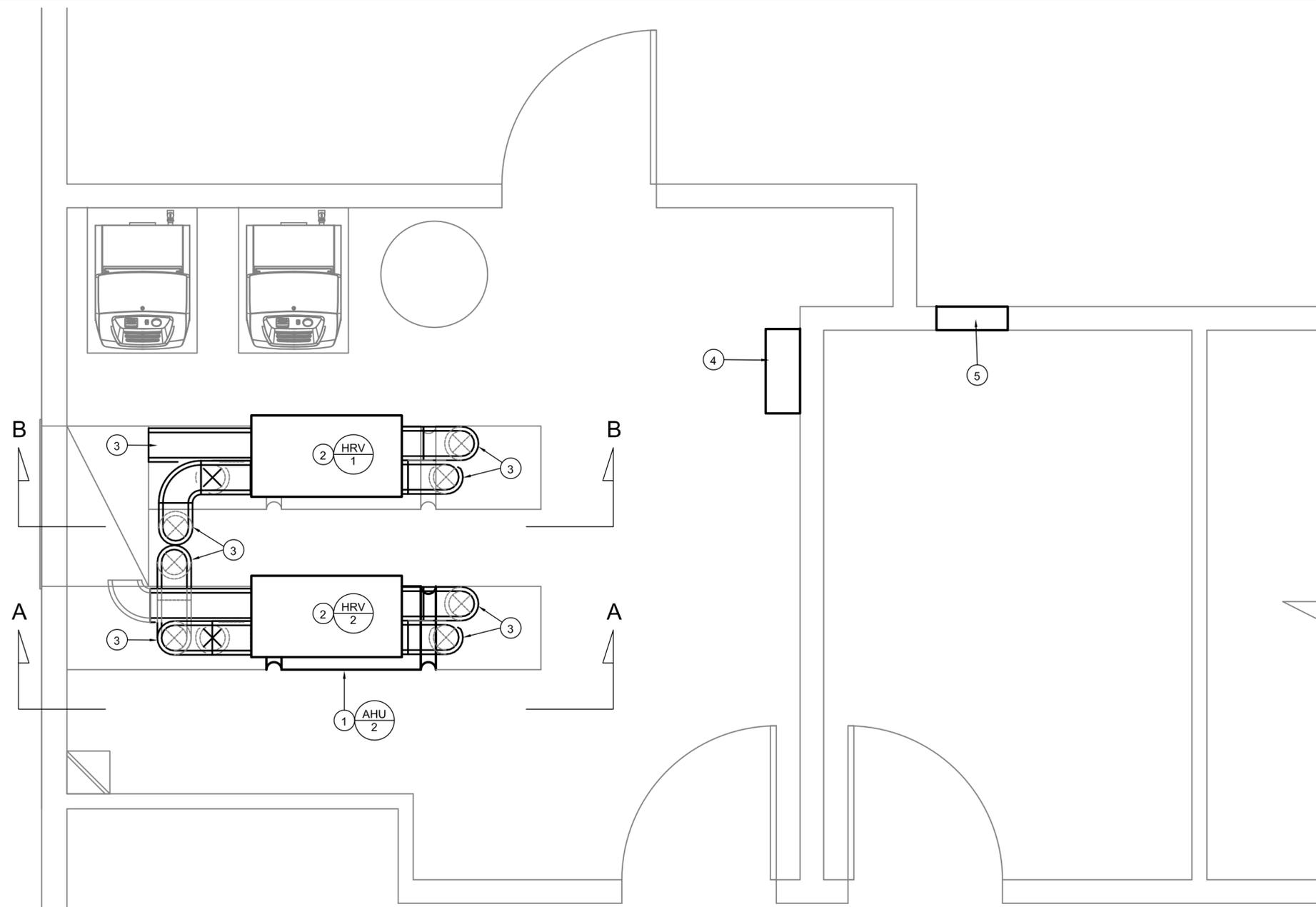
LOCATION
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M1.1

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NOTE:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A COMPLETE WORKING SYSTEM FOR ALL MECHANICAL SYSTEMS.

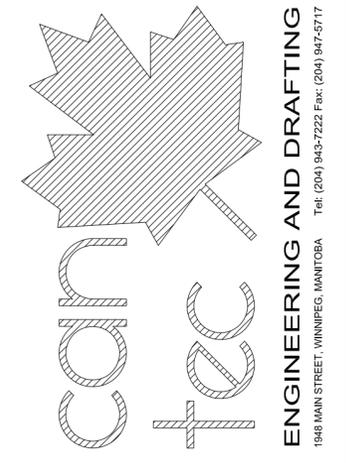
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1 MECHANICAL ROOM CONSTRUCTION PLAN
 M1.0 SCALE: 1:20

- DRAWING NOTES (#)**
- INSTALL NEW AIR HANDLING UNIT AHU-2. RE-CONNECT TO EXISTING SUPPLY AND RETURN PIPING FROM OIL TANK.
 - INSTALL NEW HRV. HANG FROM CEILING. HRV TO HAVE LITTLE GIANT CONDENSATE PUMP. PUMP TO NEAREST DRAIN
 - INSTALL NEW DUCTWORK AS REQUIRED TO FIT NEW HRV. ALL DUCTWORK IS TO BE RIGID AND INSULATED AS PER SPECIFICATION.
 - INSTALL NEW 4-WAY CONTROL VALVE, ACTUATOR AND REPAIR PIPING AS PER SCHEMATIC ON SHEET M3.0.
 - INSTALL NEW IN FLOOR HEATING ZONE VALVES AND ASSOCIATED THERMOSTATS IN SECURE AREA. REPAIR PIPING AS SHOWN.

- NOTES:**
- WATER TANKS TO BE CLEANED AS PER SPECIFICATION

PROJECT TITLE
 MECHANICAL UPGRADE FACILITY BUILDING

SHEET TITLE
 MECHANICAL ROOM CONSTRUCTION PLAN

DATE (YY MM DD)
 18 03 01

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LOCATION
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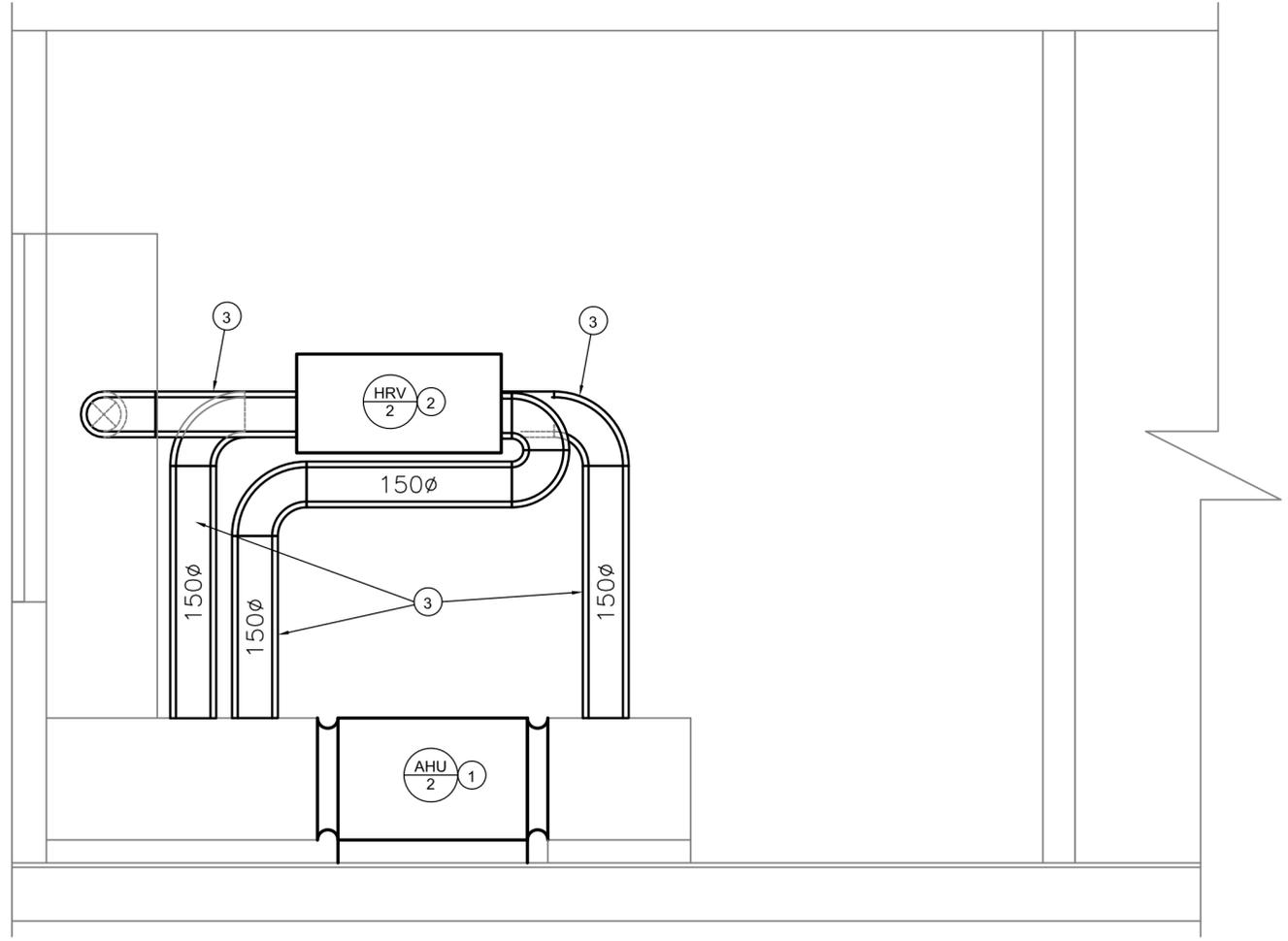
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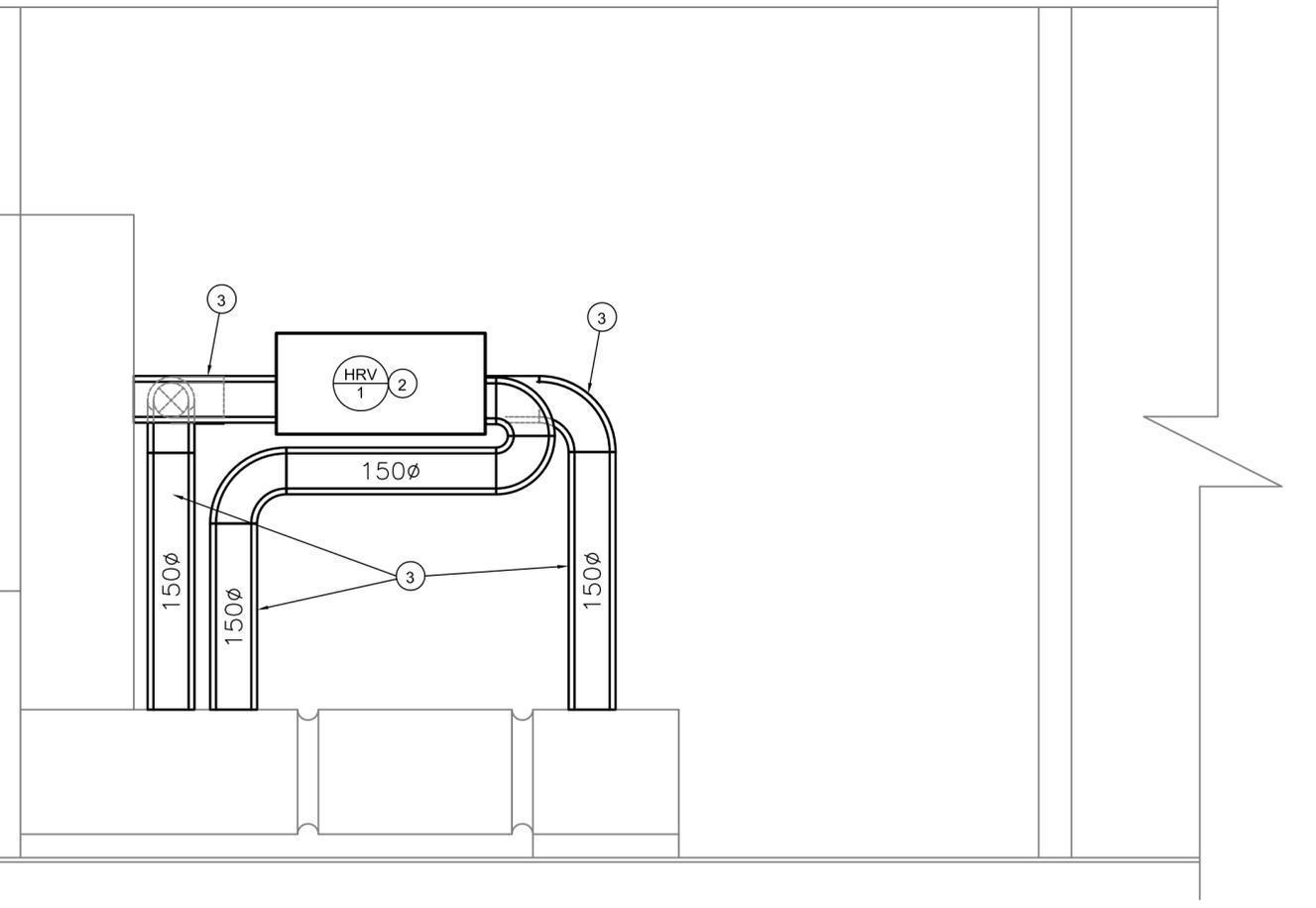
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1 SECTION A-A
M2.1 SCALE: 1:20



1 SECTION B-B
M2.1 SCALE: 1:20

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- DRAWING NOTES:** #
1. INSTALL NEW AIR HANDLING UNIT AHU-2. RE-CONNECT TO EXISTING SUPPLY AND RETURN PIPING.
 2. INSTALL NEW HRV. HANG FROM CEILING. HRV TO HAVE LITTLE GIANT CONDENSATE PUMP. PUMP TO NEAREST DRAIN
 3. INSTALL NEW DUCTWORK AS REQUIRED TO FIT NEW HRV. ALL DUCTWORK IS TO BE RIGID AND INSULATED AS PER SPECIFICATION.



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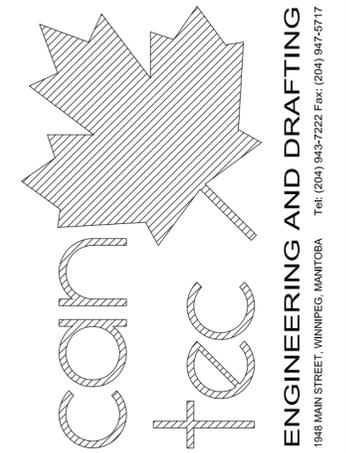
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PROJECT TITLE
MECHANICAL UPGRADE FACILITY BUILDING

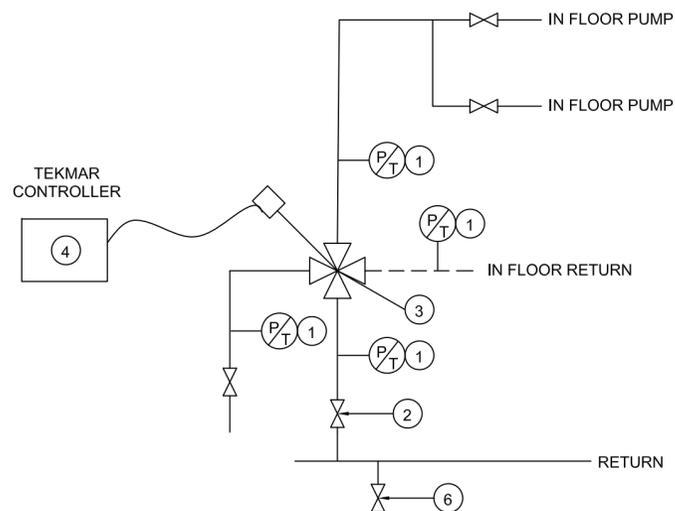
SHEET TITLE
SECTIONS

TENDER
M2.1

REVISION #: 00

JOB NO.
17-034-01-30

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1 4 WAY VALVE SCHEMATIC
M3.0 SCALE: 1:20



2 FOUR WAY VALVE REPLACEMENT
M3.0 SCALE: NTS

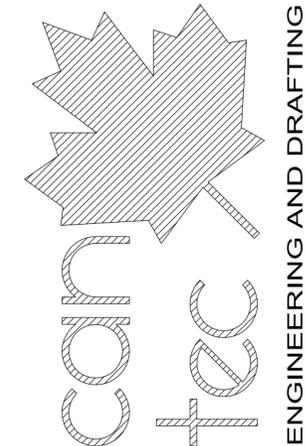
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- DRAWING NOTES: #
1. INSTALL NEW PRESSURE TEMPERATURE GAUGE
 2. INSTALL NEW VALVE
 3. INSTALL NEW 4-WAY VALVE AND ACTUATOR
 4. INSTALL NEW CONTROLLER. RE-CONNECT TO EXISTING ELECTRICAL.
 5. REPLACE PIPING
 6. INSTALL NEW DRAIN LINE AND VALVE
 7. INSTALL NEW THERMOSTAT - MATCH EXISTING
 8. REPLACE ALL ZONE VALVES
 9. REPLACE VALVE CONTROLLER



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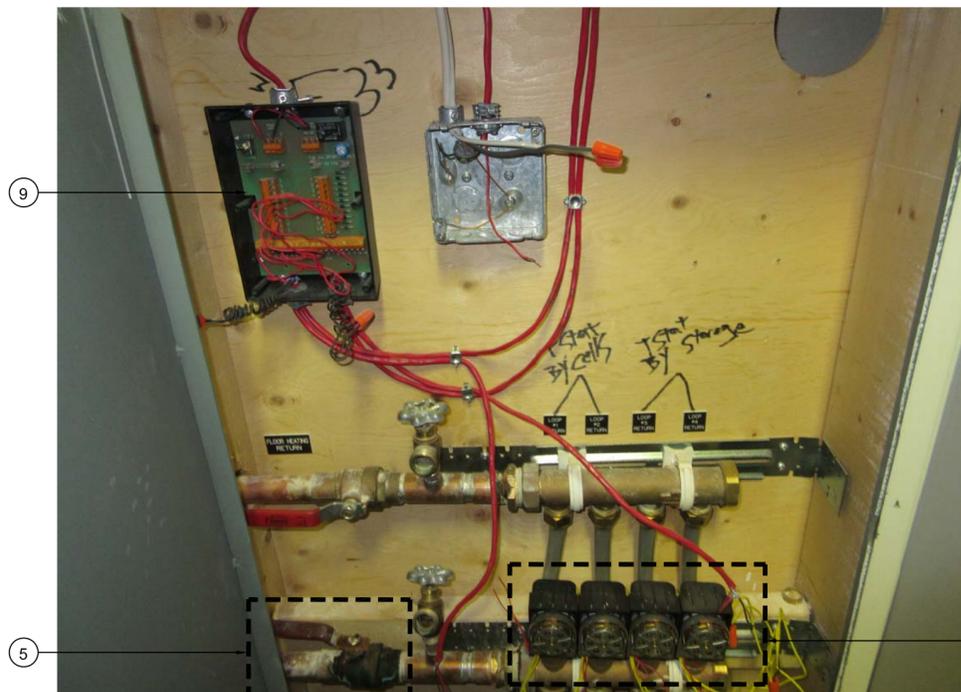
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3 DAMAGED PIPING REPAIR
M3.0 SCALE: NTS



2 IN-FLOOR HEATING CABINET REPAIR
M3.0 SCALE: NTS

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PROJECT TITLE
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SHEET TITLE
SCHEMATICS AND DETAILS
DATE (YY MM DD)
18 03 01
SCALE
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RS
LOCATION
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M3.0

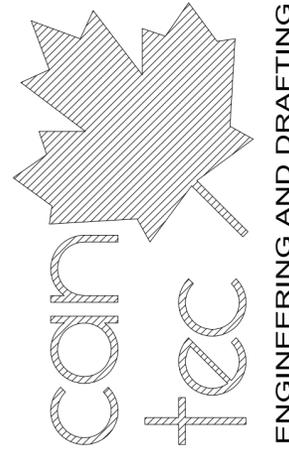
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QIKIQTARJUAQ INTERIOR AND EXTERIOR RENOVATIONS HOUSE V103 TENDER

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PROJECT TITLE
INTERIOR AND EXTERIOR RENOVATIONS V103

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DRAWING LIST

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A0.0	TITLE PAGE
A1.0	EXTERIOR AND INTERIOR RENOVATIONS
A2.0	WINDOW DETAILS
M1.0	DEMOLITION - BASEMENT FLOOR PLAN
M1.1	BASEMENT FLOOR PLAN

CONSULTANT LIST

PRIME CONSULTANT:

ENGINEERING AND DRAFTING
1948 MAIN STREET, WINNIPEG, MANITOBA
Tel: (204) 943-7222 Fax: (204) 947-5717

MECHANICAL ENGINEERING:

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DRAWING SYMBOLS

	NUMBERED NOTE		DETAIL SECTION
	WINDOW NUMBER		DETAIL NUMBER
	WALL / ROOF IDENTIFIER		SHEET SECTION LOCATED
	DOOR NUMBER		ELEVATION IDENTIFIER
			DETAIL NUMBER
			SHEET ELEVATION LOCATED
			DETAIL MARKER (SEE SPECIFICATION BOOK)

 GRID LINES

 DETAIL MARKER

 ELEVATION MARKER

 ROOM NUMBER MARKER

 DETAIL IDENTIFICATION

 DETAIL NUMBER

 CURRENT SHEET

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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	F/F	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	CRCL	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	C/W	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
TENDER	CONST	HEXAGON	HEX	PREFABRICATION	PREFAB	URINAL	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
COVERED 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

REV. #	ISSUED FOR TENDER	DATE (YY MM DD)	REV. BY
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REPAINT FASCIA TYPICAL
ALL AROUND HOUSE



03 FRONT ELEVATION
A1.0 SCALE: NTS



REPAINT FASCIA TYPICAL
ALL AROUND HOUSE

REMOVE EXISTING WINDOW
AND INSTALL NEW $\diamond W1$



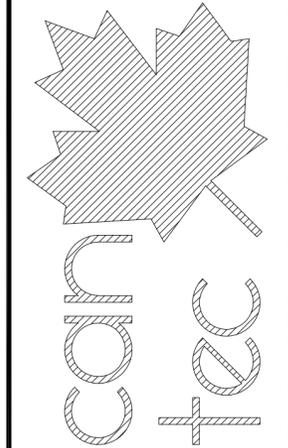
04 RIGHT ELEVATION
A1.0 SCALE: NTS

02 LEFT ELEVATION
A1.0 SCALE: NTS

REPAIR NOTES:

1. REPAINT ALL ROOF TRIM
2. REMOVE AND REPLACE SECOND FLOOR WINDOW
3. INSTALL NEW KITCHEN FAUCET
4. INSTALL NEW BATHROOM FAUCET
5. CLEAN ALL LAUNDRY DUCTS FROM DRYER TO EXTERIOR OF HOUSE
6. CLEAN WATER TANK AS PER SPECIFICATION

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PROJECT TITLE
INTERIOR AND EXTERIOR RENOVATIONS V103

SHEET TITLE
ELEVATIONS

DATE (YY MM DD)
15 10 19

SCALE
AS NOTED

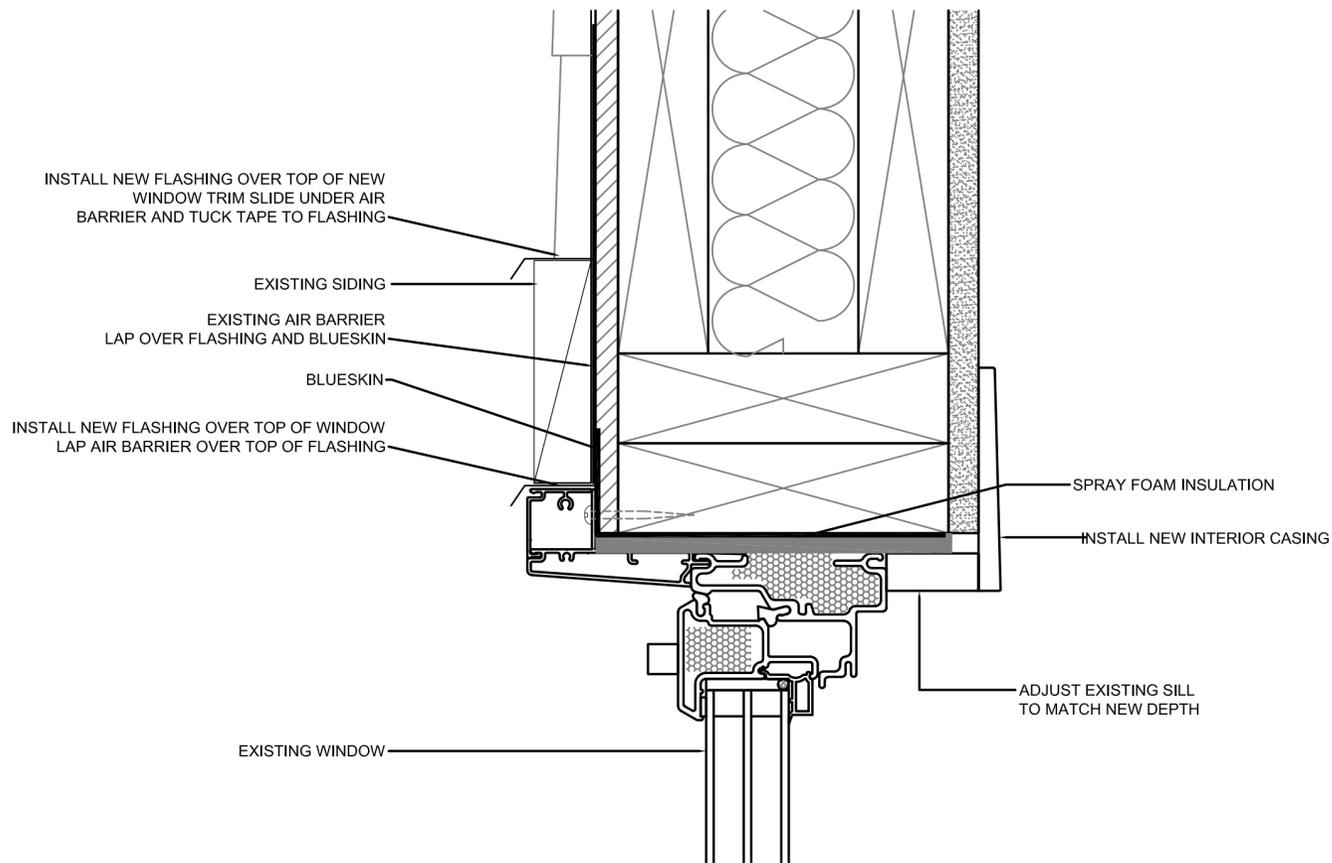
LOCATION
QIKIQTARJUAQ, NUNAVUT

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RQS

TENDER
A1.0
REVISION #: 00
JOB NO.
17-034-01-30

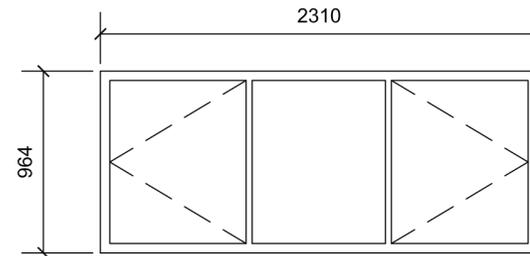
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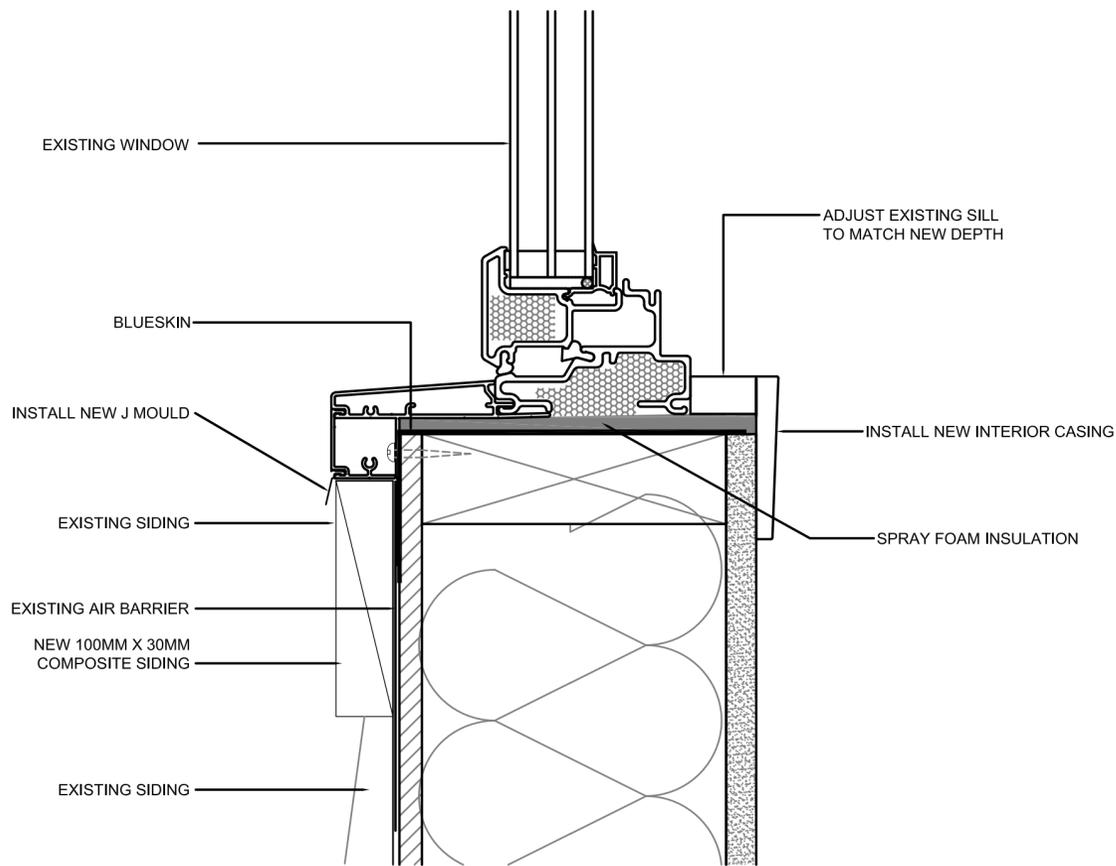
1 WINDOW HEAD REPAIR DETAIL
A4.0 SCALE: 1:2

WINDOW REPAIR NOTES

1. REMOVE EXISTING WINDOW AND REPLACE WINDOW
2. CUT BACK EXISTING WOOD SIDING TO ALLOW FOR INSTALLATION OF NEW WINDOW AND EXTERIOR TRIM.



W1



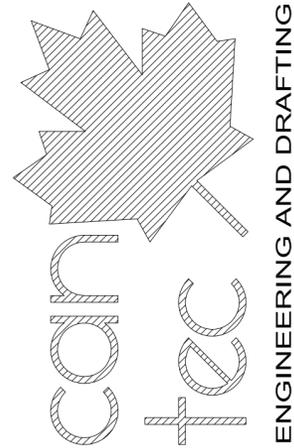
2 WINDOW HEAD REPAIR DETAIL
A4.0 SCALE: 1:2

NOTES:

1. 6 MIL POLY RETURNED INTO ROUGH WINDOW OPENING AND SEALED TO WOOD FRAMING
2. AIR BARRIER RETURNED INTO ROUGH WINDOW OPENING AND SEALED TO WOOD FRAMING
3. SPRAY FOAM INSULATION INTO SPACES BETWEEN WINDOW AND ROUGH OPENING
4. PROVIDE PRE FINISHED POST FORMED GALVANIZED STEEL FLASHING FULL WIDTH OF WINDOW AT TOP OF WINDOW
5. BEDROOM WINDOWS MUST MEET NBC EGRESS REQUIREMENTS AS PER 9.7.1.3.2
6. INSTALL NEW WINDOW AND DOOR CASING TO ALL UNITS BEING REPLACED.

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SHEET TITLE: WINDOW DETAILS

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SCALE: AS NOTED

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DRAWN BY: RS

AS NOTED

DATE (YY MM DD): 18 03 04

LOCATION: QIKICTARJUAQ, NUNAVUT

TENDER

A2.0

REVISION #: 00

JOB NO.

17-034-01-30

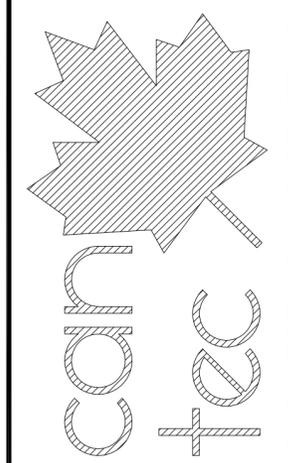
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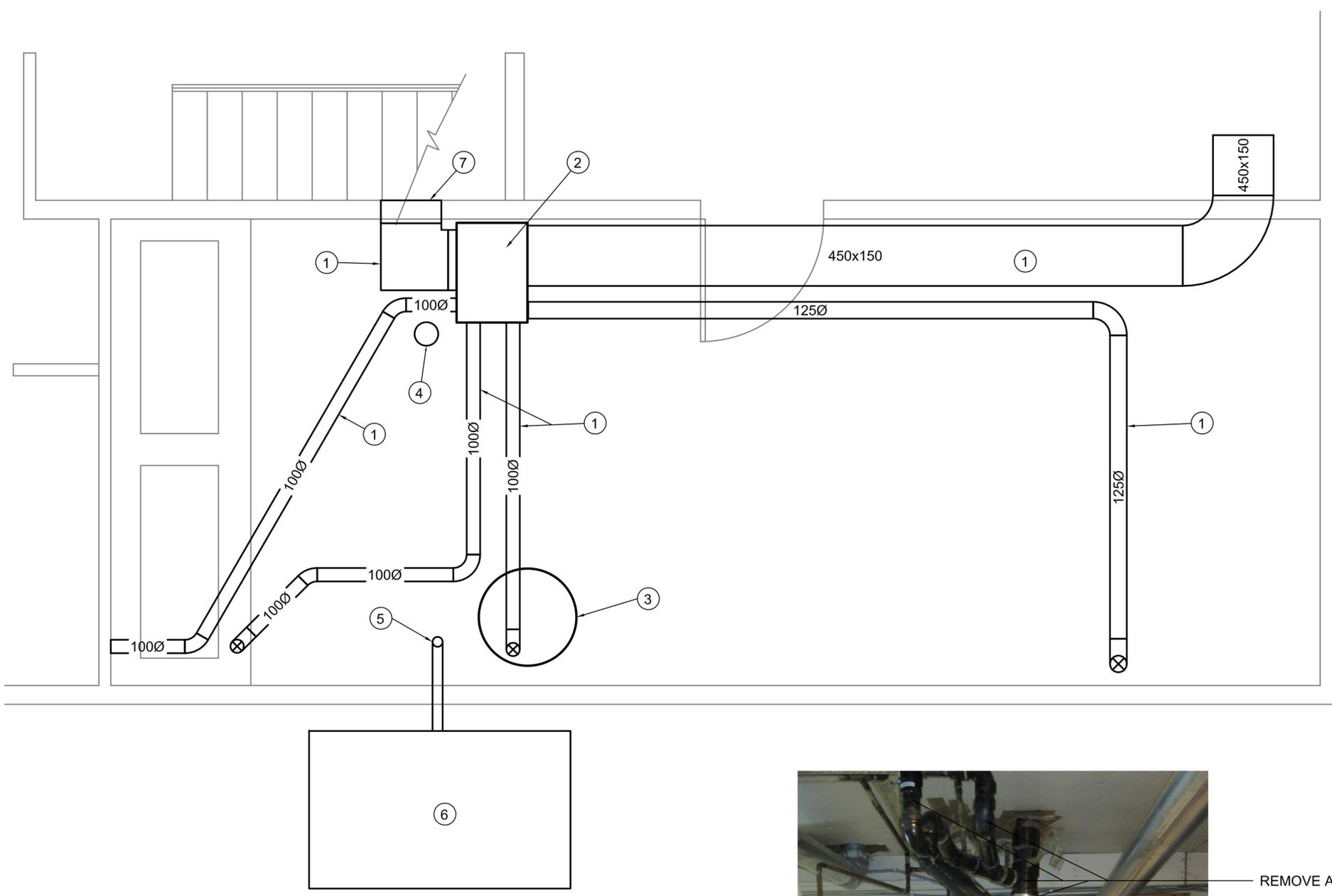
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 Signature *J. Loesel Sitar*
 Date *May 2, 2018*
PERMIT NUMBER: P 647
 NWT/NU Association of Professional Engineers and Geoscientists



01 DEMOLITION - PARTIAL MAIN FLOOR PLAN
 M1.0 SCALE: 1:25

DRAWING NOTES: #

1. REMOVE EXISTING DUCTWORK
2. REMOVE EXISTING FURNACE
3. REMOVE EXISTING HOT WATER TANK
4. REMOVE EXISTING CHIMNEY FLUE
5. REMOVE EXISTING PLUMBING STACK AND ALL EXPOSED CONNECTIONS
6. REMOVE EXISTING SEWAGE TANK
7. REMOVE EXISTING WALL GRILL

NOTES:

1. WATER TANK TO BE CLEANED AS PER SPECIFICATIONS.



01 DEMOLITION - PLUMBING STACK
 M1.0 SCALE: NTS

- REMOVE ALL PIPING
- REMOVE PRESSURE TANK
- LINE TO WASHER AND LAUNDRY SINK
- REMOVE LINE TO SEWAGE TANK

SEALED BY:

PROJECT TITLE: INTERIOR AND EXTERIOR RENOVATIONS V103
 SHEET TITLE: DEMOLITION - BASEMENT FLOOR PLAN
 DATE (YY MM DD): 18 05 02
 SCALE: AS NOTED
 LOCATION: QIKIQTARJUAQ, NUNAVUT

CHECKED BY: JLS

DRAWN BY: RS

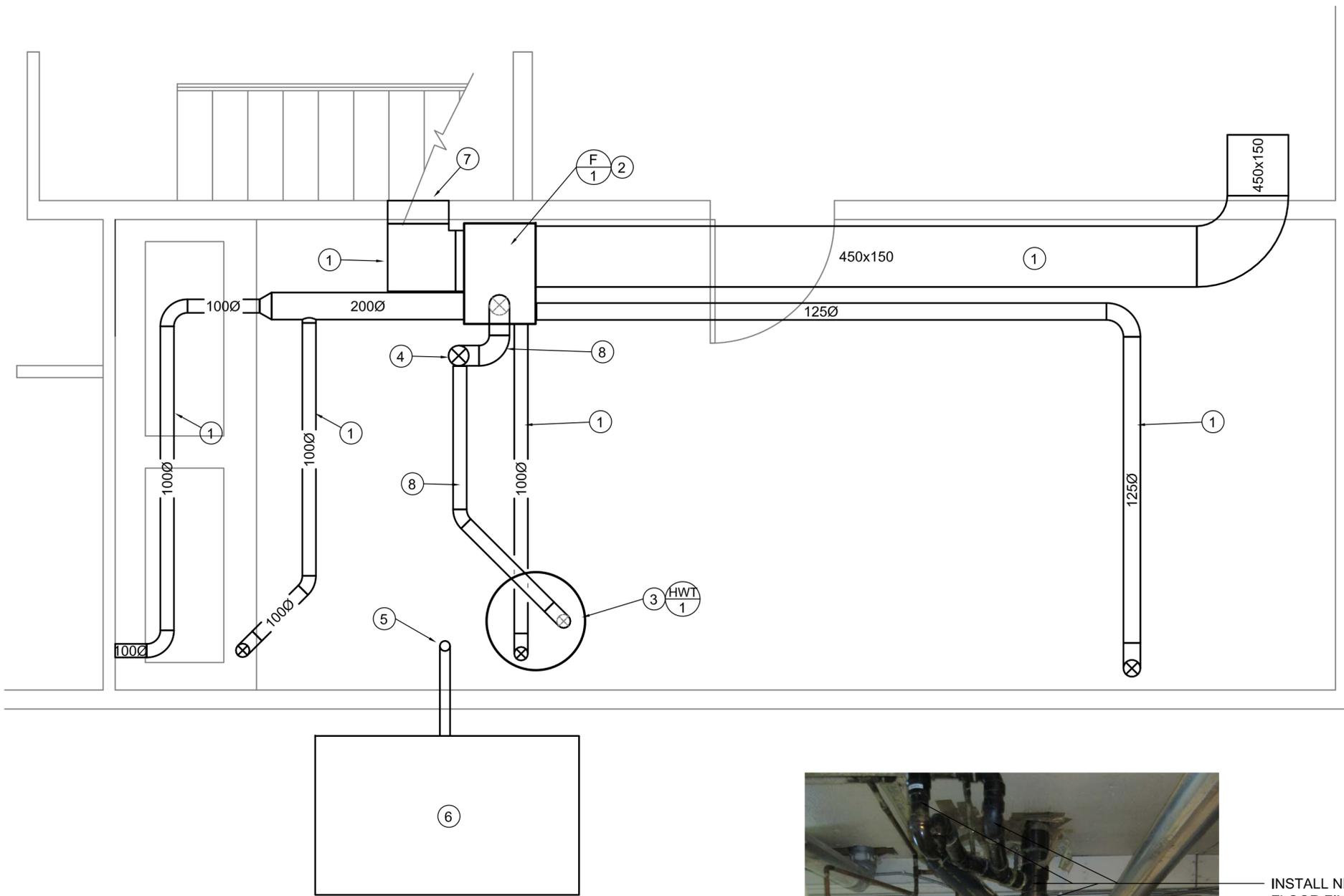
SCALE: AS NOTED

DATE (YY MM DD): 18 05 02

LOCATION: QIKIQTARJUAQ, NUNAVUT

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M1.0
 REVISION #: 00
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01 PARTIAL MAIN FLOOR PLAN
M1.0 SCALE: 1:25

DRAWING NOTES: #

1. INSTALL NEW DUCTWORK
2. INSTALL NEW FURNACE. NEW UNIT TO BE INSTALLED ON NON COMBUSTIBLE BASE
3. INSTALL NEW HOT WATER TANK
4. INSTALL NEW CHIMNEY (COMPLETE INSTALLATION) SIZE FOR ADDITION OF NEW HOT WATER TANK
5. INSTALL NEW SANITARY PLUMBING LINES TO NEW SEWAGE TANK SEE DETAIL 2
6. INSTALL NEW SEWAGE TANK. TANK TO BE COMPLETE WITH WEATHER HOUSE
7. INSTALL NEW WALL GRILL
8. NEW FLUE

REMOVE EXISTING ELECTRIC HOT WATER TANK AND INSTALL NEW OIL FIRED HOT WATER TANK



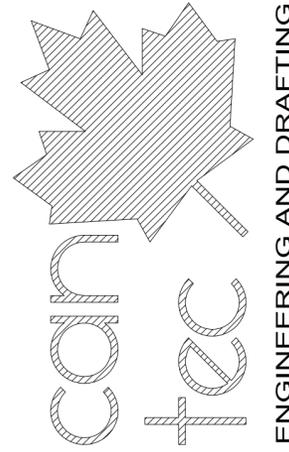
02 PLUMBING STACK
M1.0 SCALE: NTS

- INSTALL NEW PIPING TO MAIN FLOOR FIXTURES
- INSTALL NEW PIPE SUPPORTS FOR EXPANSION TANK AND FILTER
- INSTALL NEW EXPANSION TANK TO BE WATTS PLT-5 OR APPROVED EQUAL.
- EXISTING HEAT TRACE TO BE REMOVED AND NEW HEAT TRACE INSTALLED FOR TANK AND SANITARY LINE
- NEW 2" TO WASHER AND LAUNDRY SINK
- NEW 4" LINE TO SEPTIC TANK.. NEW LINE TO BE HEAT TRACED TO TANK.



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INTERIOR AND EXTERIOR RENOVATIONS V103
PARTIAL BASEMENT FLOOR PLAN

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SCALE AS NOTED

DATE (YY MM DD) 18 05 02

LOCATION QIKOTARJUAQ, NUNAVUT

TENDER
M1.1

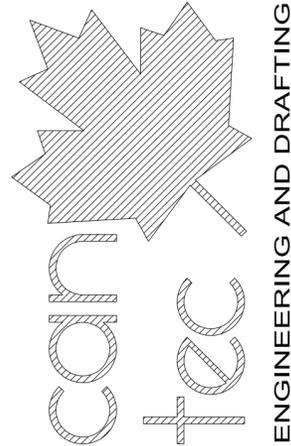
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QIKIQTARJUAQ BOILER REPLACEMENT HOUSE V104 TENDER

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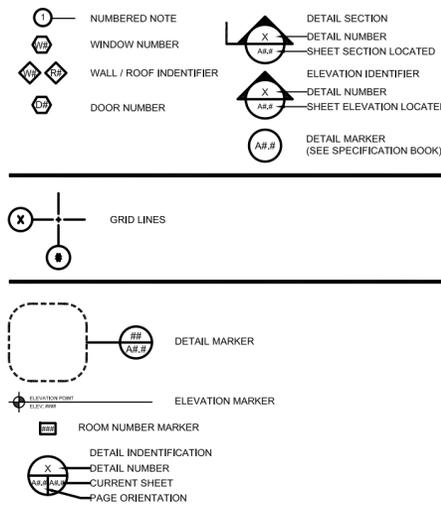
CONSULTANT LIST

DRAWING SYMBOLS

ABBREVIATION LIST

DRAWING LIST

- M0.0 TITLE PAGE
- M1.0 DEMOLITION PLAN - BOILER ROOM
- M2.0 BOILER ROOM PLAN
- M3.0 SCHEMATICS



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	F/F	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	CHRC	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
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CONCRETE	CONC	HARDWARE	HDW	PRECAST	PC	UNDER SIDE	U/S
CONCRETE BLOCK	CBLK	HEIGHT	HGT	PRECAST CONCRETE	PC CONC	UNDERCUT	UCUT
TENDER	CONST	HEXAGON	HEX	PREFABRICATION	PREFAB	URINAL	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
COVERED 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

PROJECT TITLE
BOILER REPLACEMENT - HOUSE V104

SHEET TITLE
TITLE PAGE

DATE (YY MM DD)
18 03 15

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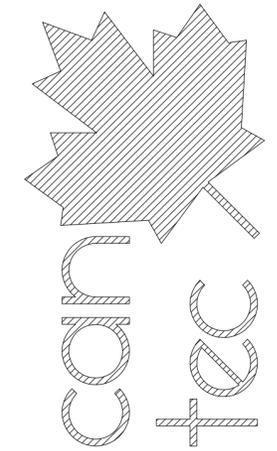
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PROJECT TITLE
BOILER REPLACEMENT - HOUSE V104

SHEET TITLE
MECHANICAL ROOM DEMOLITION PLAN

DATE (YY MM DD)
 18 03 01

SCALE
 AS NOTED

LOCATION
 QIKIQTARJUAQ, NUNAVUT

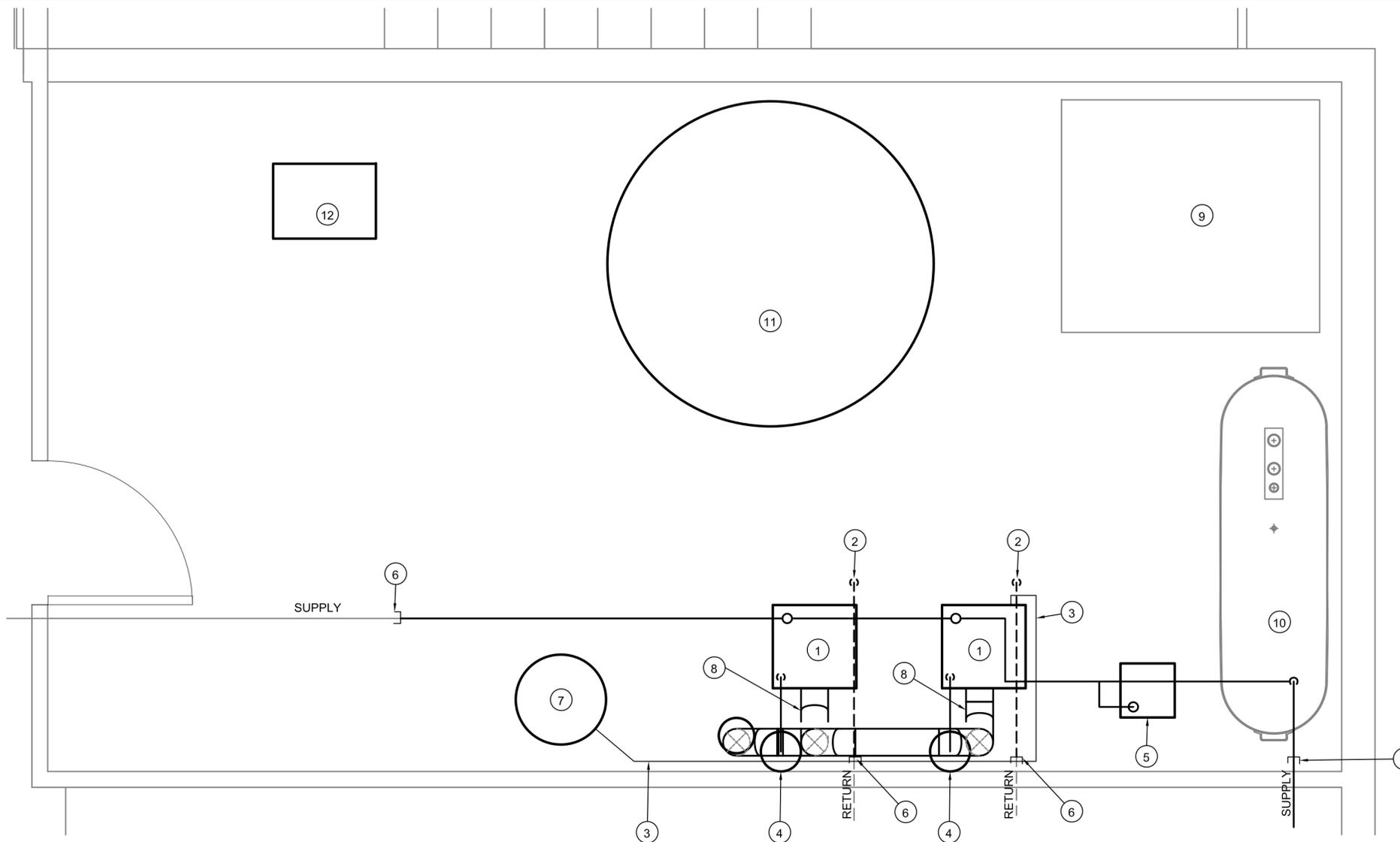
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1 MECHANICAL ROOM DEMOLITION PLAN
 M1.0 SCALE: 1:20

- DRAWING NOTES: #
1. REMOVE BOILER
 2. REMOVE BOILER PUMPS
 3. REMOVE SUPPLY AND RETURN PIPING TO HOT WATER TANK
 4. REMOVE EXPANSION TANK
 5. REMOVE GLYCOL TANK
 6. REMOVE PIPING TO THIS POINT
 7. EXISTING HOT WATER TANK TO REMAIN
 8. REMOVE CHIMNEY AND ALL BREECHING
 9. EXISTING WATER TANK
 10. EXISTING FUEL TANK
 11. EXISTING SEWAGE TANK
 12. REMOVE EXISTING HRV

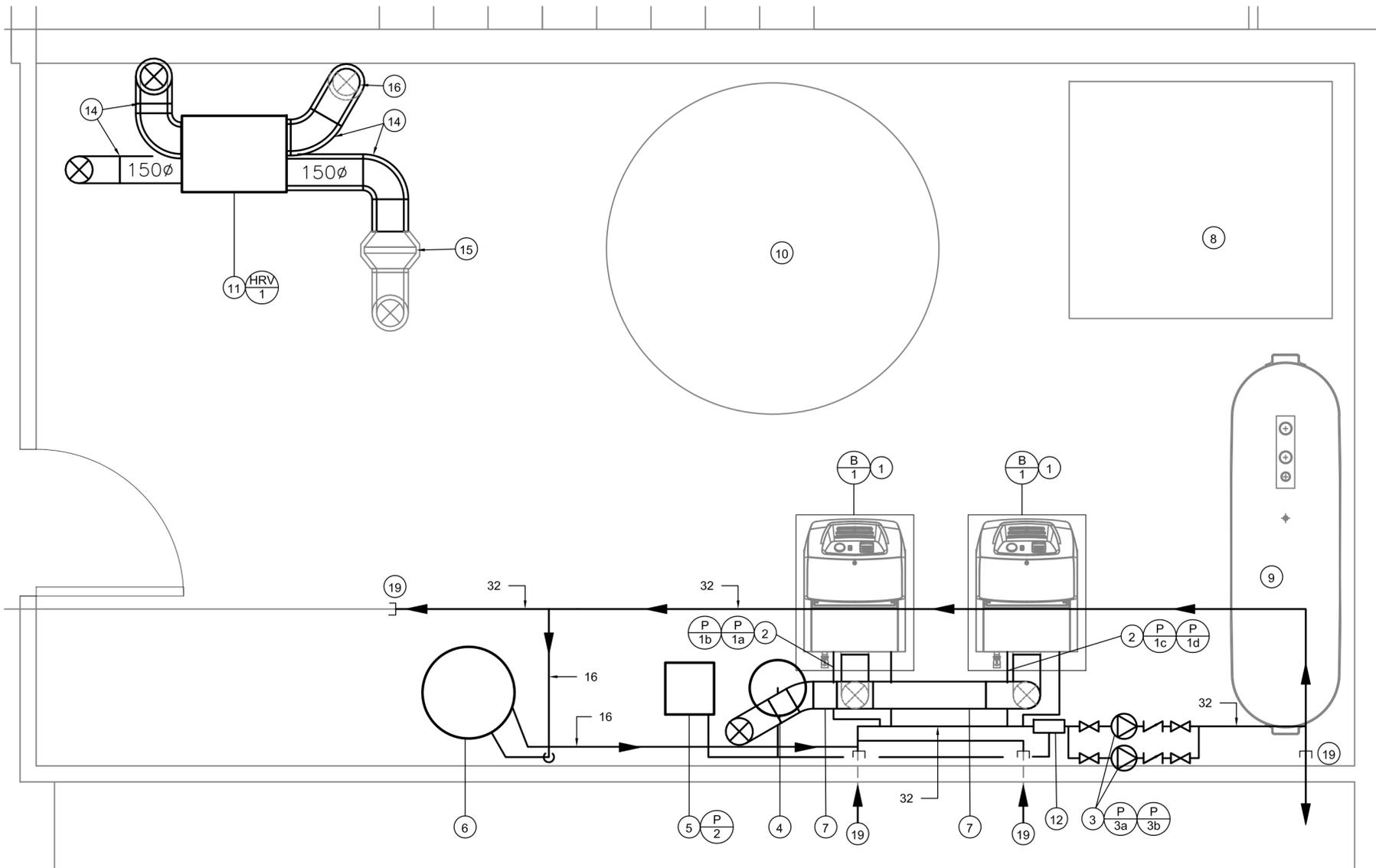


2 HRV REMOVAL
 M1.0 SCALE: NTS

REMOVE FLEX DUCTS

REMOVE HRV

REMOVE FLEX DUCT TO FLOOR



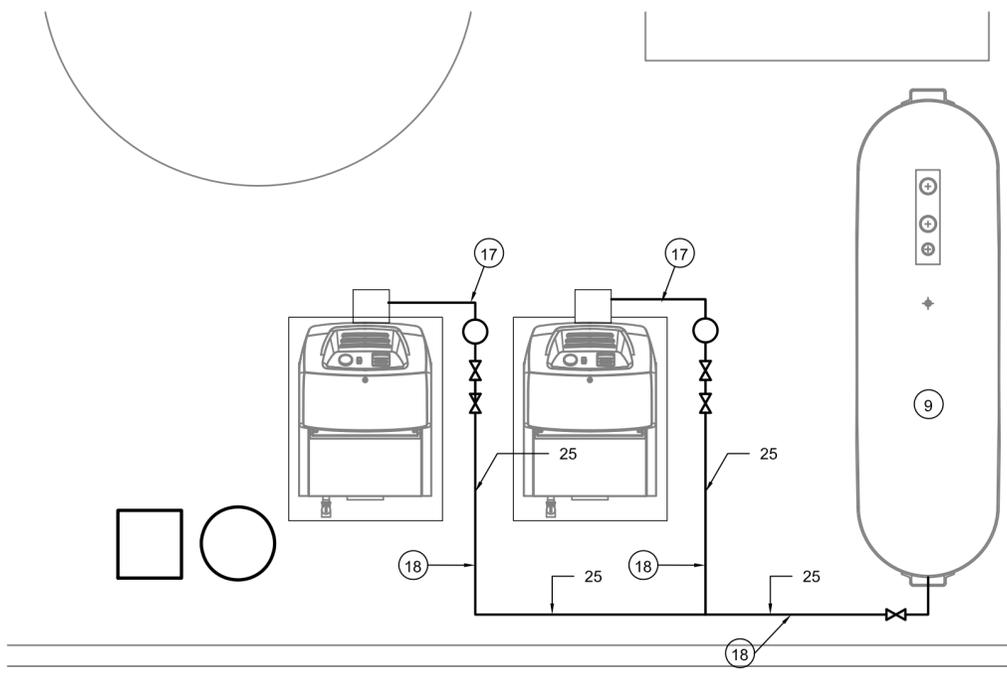
1 MECHANICAL ROOM
M1.0 SCALE: 1:20

DRAWING NOTES: #

1. NEW BOILER ON NEW 4" HIGH NON COMBUSTIBLE BASES
2. NEW BOILER PUMPS
3. NEW LOOP PUMP
4. NEW EXPANSION TANK
5. NEW GLYCOL TANK AND PUMP
6. EXISTING HOT WATER TANK
7. INSTALL NEW CHIMNEY AND ALL BREECHING. INCLUDE NEW ROOF FLASHING, STORM COLLAR AND TIE DOWNS.
8. EXISTING WATER TANK
9. EXISTING FUEL TANK
10. EXISTING SEWAGE TANK
11. INSTALL NEW HRV
12. AUTOMATIC AIR VENT AND AIR SEPARATOR
13. NOT USED
14. NEW DUCTWORK CONNECT TO EXISTING
15. EXISTING HRV PREHEAT COIL. COIL TO BE CLEANED AND CONTROLS TESTED. SUBMIT ANY REPAIRS REQUIRED TO BRING THE UNIT UP OPERATIONAL STATUS TO THE CONSULTANT FOR REVIEW.
16. DUCT TO UNDERSIDE OF FLOOR TO BE INSULATED AS PER SPECIFICATION. DUCTWORK TO BE RIGID.
17. INSTALL NEW ACCESSORIES TO BOILER SEE DETAIL 2 SHEET M3.0
18. INSTALL NEW FUEL PIPING FROM UNDERSIDE OF THE TANK TO NEW BOILERS
19. CONNECT TO EXISTING PIPING

NOTES:

1. WATER TANK TO BE CLEANED AS PER SPECIFICATIONS



2 MECHANICAL ROOM FUEL PIPING
M1.0 SCALE: 1:20

NOTE:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A COMPLETE WORKING SYSTEM FOR ALL MECHANICAL SYSTEMS.

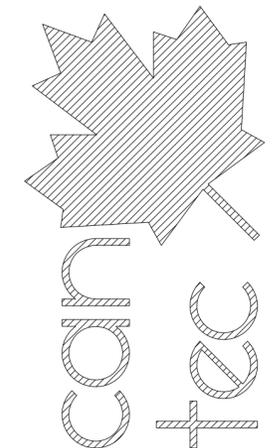
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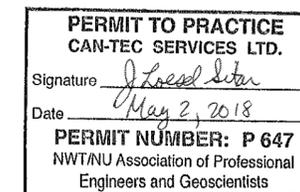
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PROJECT TITLE
BOILER REPLACEMENT HOUSE - V104

SHEET TITLE
MECHANICAL ROOM TENDER PLAN

DATE (YY MM DD)
18 03 01

SCALE
AS NOTED

CHECKED BY
JLS

DRAWN BY
RS

LOCATION
QIKIQTARJUAQ, NUNAVUT

TENDER
M2.0

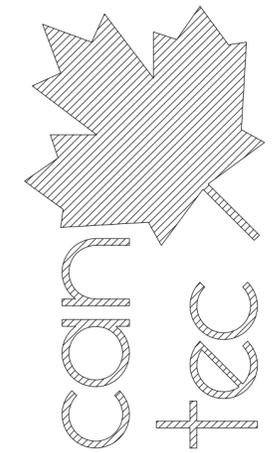
REVISION #: 00
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REV. # REVISION DATE (YY MM DD) REV. BY

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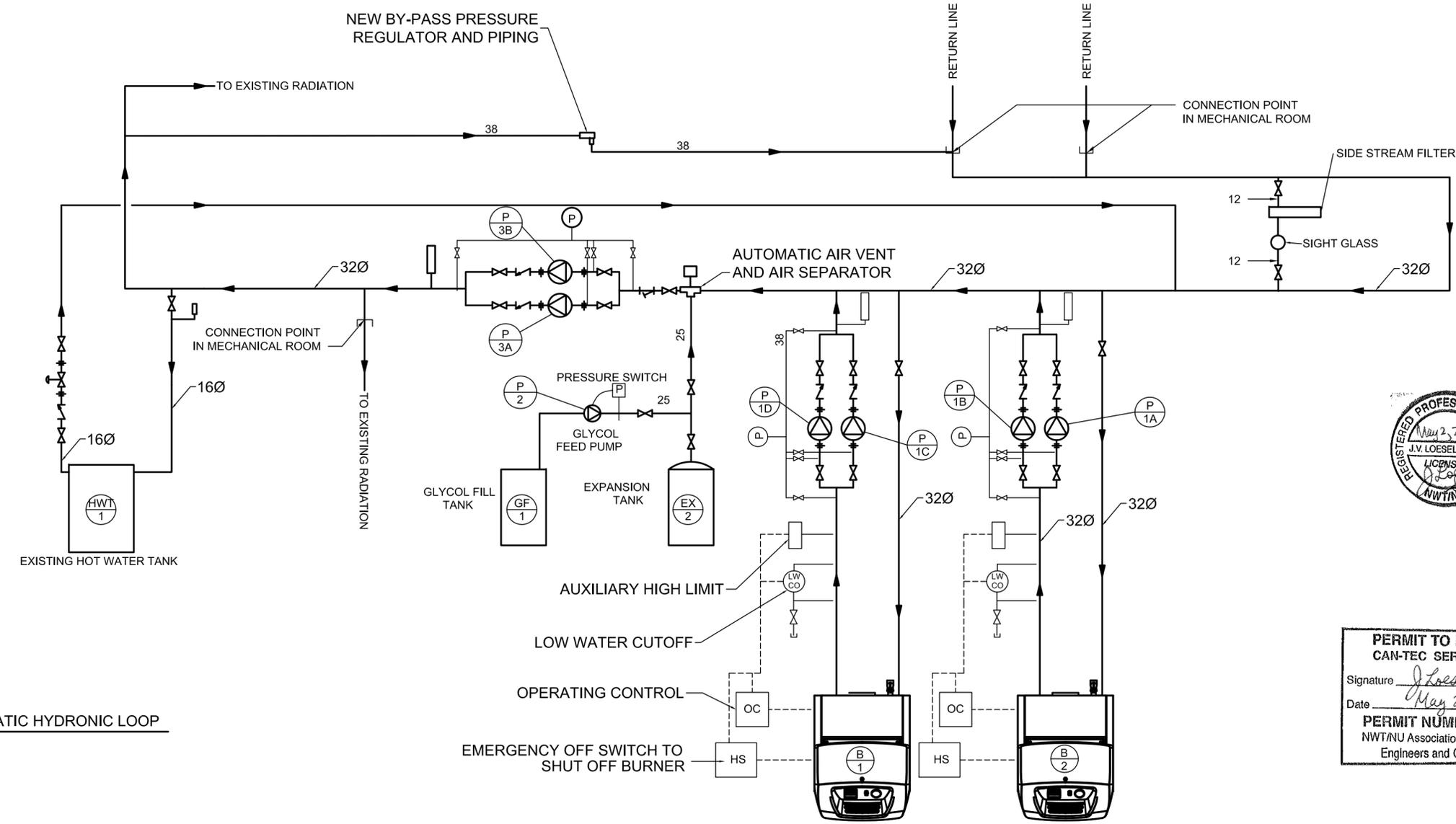


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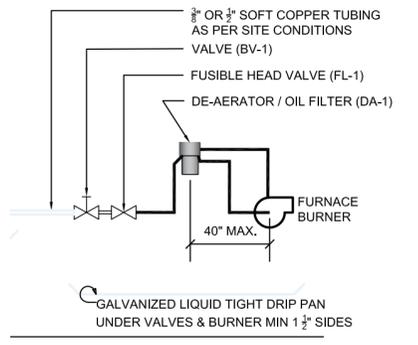
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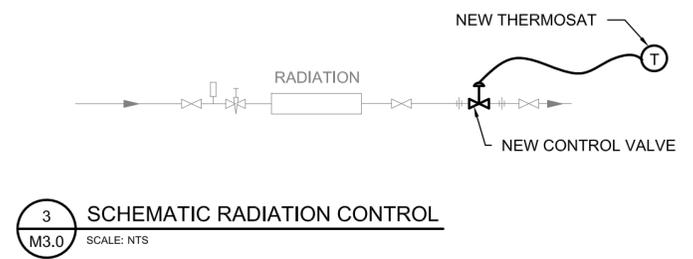
PERMIT TO PRACTICE
CAN-TEC SERVICES LTD.
 Signature: *J. Loesel Sitar*
 Date: *May 2, 2018*
PERMIT NUMBER: P 647
 NWT/NU Association of Professional Engineers and Geoscientists



1 SCHEMATIC HYDRONIC LOOP
 SCALE: NTS



2 SCHEMATIC FUEL PIPING ACCESSORIES
 SCALE: NTS



3 SCHEMATIC RADIATION CONTROL
 SCALE: NTS

CONTROL VALVE REPLACEMENT:

1. REMOVE EXISTING CONTROL VALVES ON ALL RADIATORS AND INSTALL NEW CONTROL VALVES.
2. INSTALL NEW THERMOSTATS IN ALL LOCATIONS IN HOUSE.
3. THERMOSTATS ARE LOCATED IN THE FOLLOWING ROOMS.
 - 3.1. MASTER BEDROOM
 - 3.2. LIVING ROOM
 - 3.3. DINING ROOM/KITCHEN
 - 3.4. MULTI PURPOSE ROOM
 - 3.5. HALLWAY AT STAIR
 - 3.6. FRONT OFFICE
 - 3.7. SEA LIFT ROOM
 - 3.8. FRONT HALLWAY
4. CONTRACTOR TO SITE VERIFY ALL LOCATIONS.
5. SEE SPECIFICATION FOR DETAILS ON EQUIPMENT

PROJECT TITLE
BOILER REPLACEMENT - HOUSE V104

SHEET TITLE
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