

ROYAL CANADIAN MOUNTED POLICE INTERIOR / EXTERIOR RENOVATIONS LUNDAR, MANITOBA TENDER

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DRAWING LIST

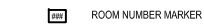
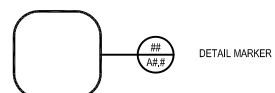
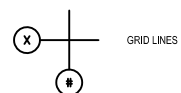
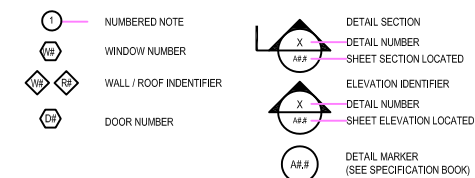
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M1.0 MAIN FLOOR MECHANICAL PLAN
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M2.2 SPECIFICATIONS

E1.0 ELECTRICAL PLAN (MAIN FLOOR)
E1.1 ELECTRICAL PLAN (BASEMENT)

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	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	CIRC	GALVANIZED	GALV	PAINT	PT	TONSUE 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
CONSTRUCTION	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
LUNDAR HOUSE RENOVATION

SHEET TITLE
TITLE PAGE

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RS

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SCALE
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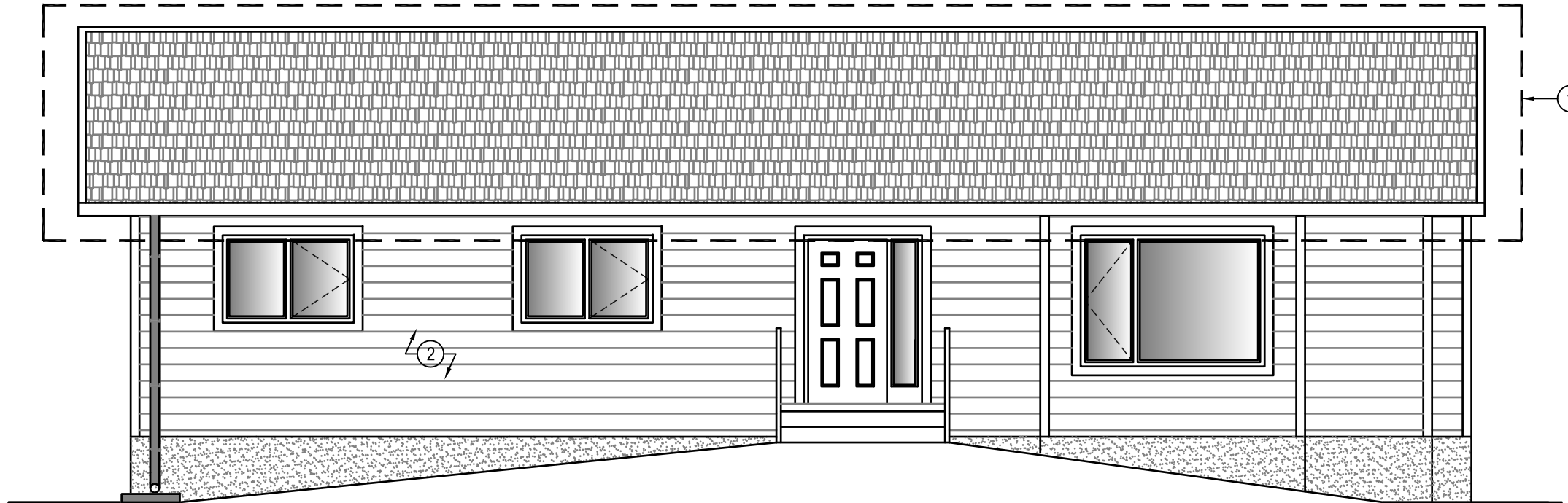
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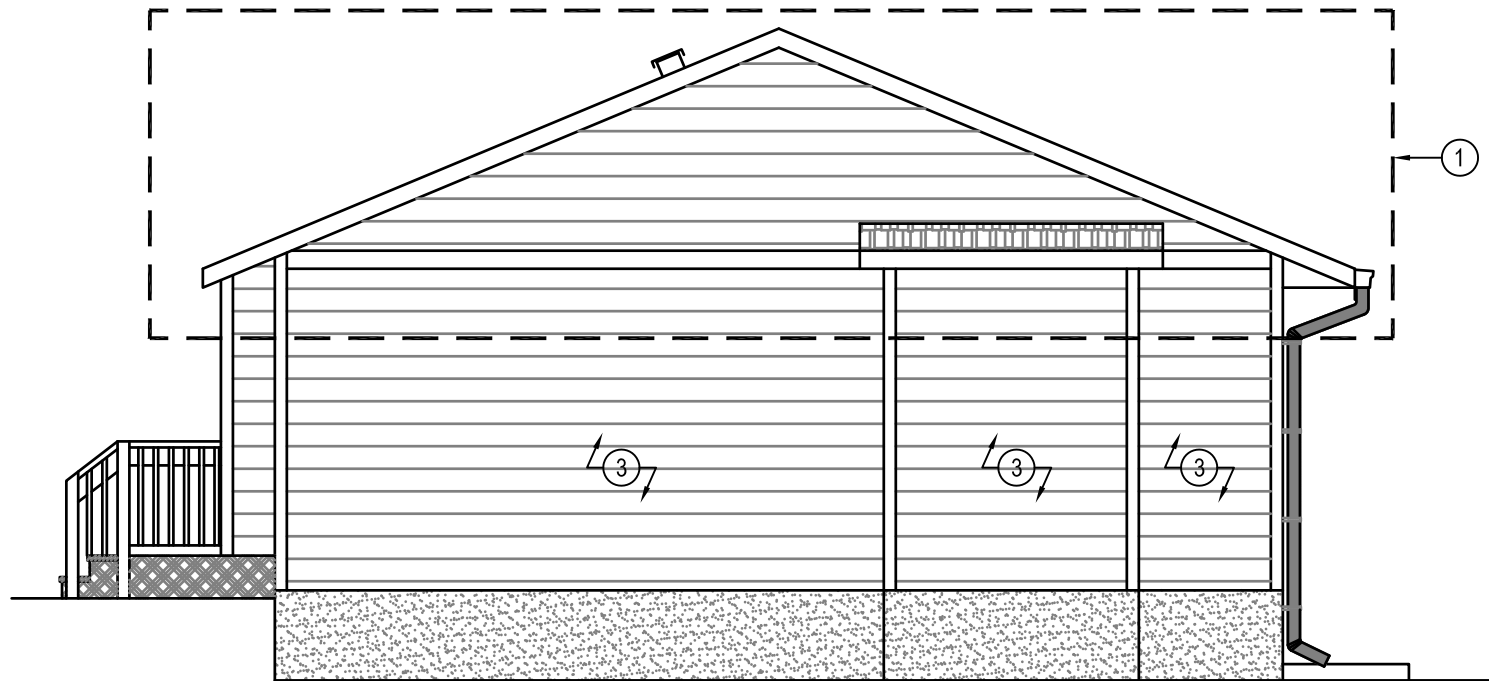
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A0.0

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1 FRONT ELEVATION
A1.0 SCALE: 3/16"=1'-0"



2 RIGHT SIDE ELEVATION
A1.0 SCALE: 3/16"=1'-0"

DRAWING NOTES: #

1. REMOVE ROOF, ROOF TRUSSES, SOFFIT, FASCIA, RAINWATER GUTTERS AND HARDWARE, CEILING DRYWALL AND INSULATION
2. REMOVE ALL SIDING
3. FIRE DAMAGED SIDE REMOVE ALL SHEATHING, INSULATION, VAPOUR BARRIER AND DRYWALL.



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SHEET TITLE
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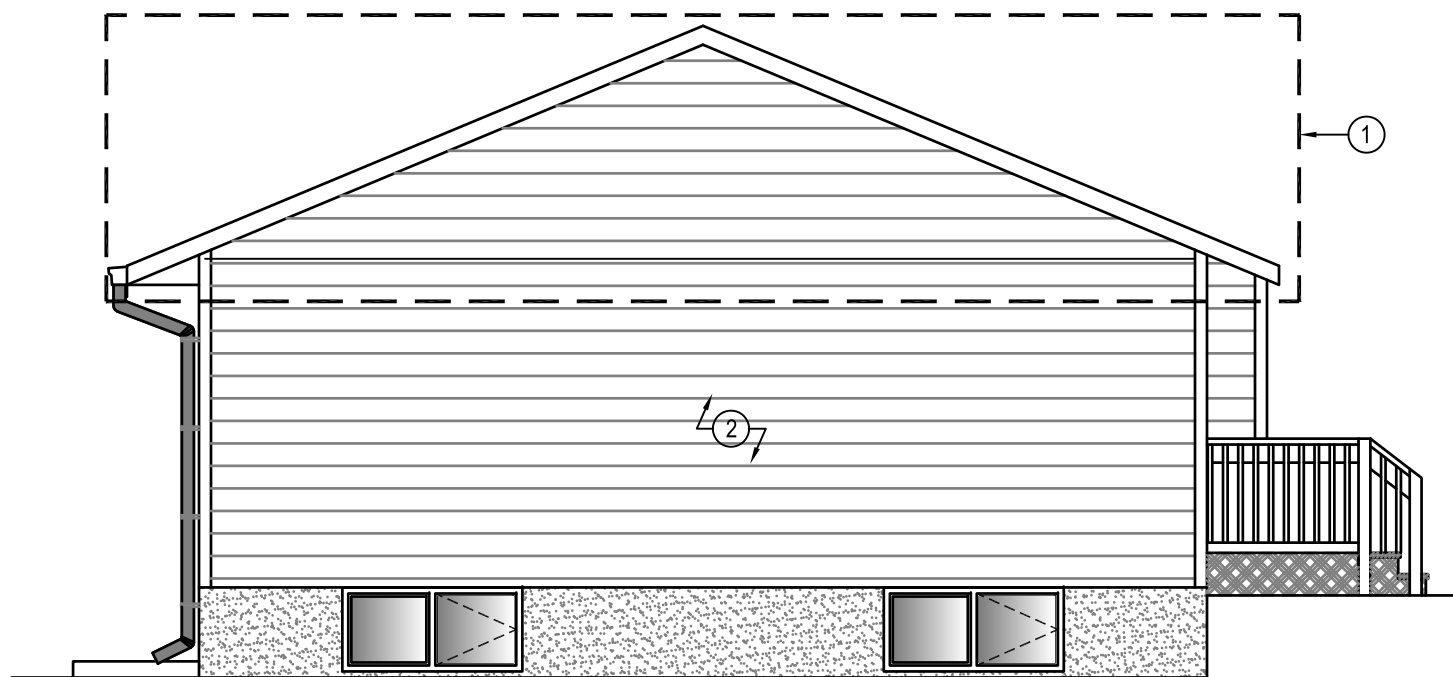
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1 REAR ELEVATION
A1.1 SCALE: 3/16"=1'-0"



2 LEFT SIDE ELEVATION
A1.1 SCALE: 3/16"=1'-0"

DRAWING NOTES: #

1. REMOVE ROOF, ROOF TRUSSES, SOFFIT, FASCIA, ATTIC INSULATION AND DRYWALL
2. REMOVE ALL SIDING



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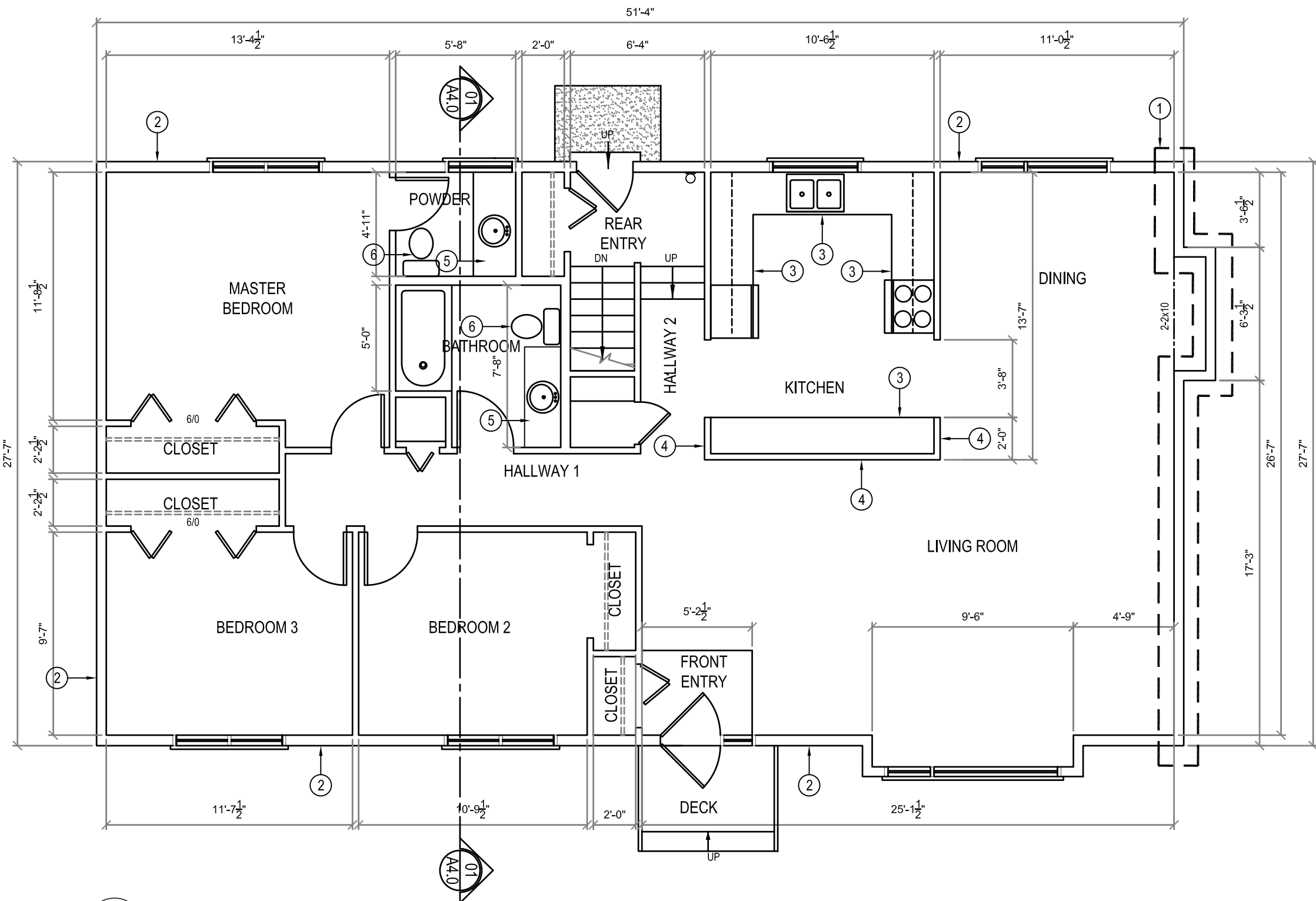
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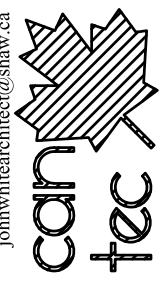
DRAWING NOTES: #

1. REMOVE ALL SIDING AND SHEATHING AND REMOVE AND REPLACE ALL DAMAGED STUDS
2. REMOVE ALL SIDING
3. REMOVE KITCHEN
4. REMOVE KITCHEN WALL
5. REMOVE BATHROOM VANITY
6. REMOVE TOILET

DEMOLITION NOTES:

1. REMOVE FLOORING THROUGHOUT HOUSE, INCLUDING STAIRS AND LANDINGS
2. ALL WINDOWS ARE TO REMAIN
3. REMOVE ALL BASE BOARDS THROUGHOUT HOUSE
4. REMOVE ALL DOOR AND WINDOW CASING THROUGHOUT HOUSE
5. REMOVE ALL INTERIOR DRYWALL, AVB AND INSULATION FROM HOUSE

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PROJECT TITLE: **LUNDAR HOUSE RENOVATION**
 SHEET TITLE: **MAIN FLOOR PLAN - DEMOLITION**
 DATE: 17-07-11
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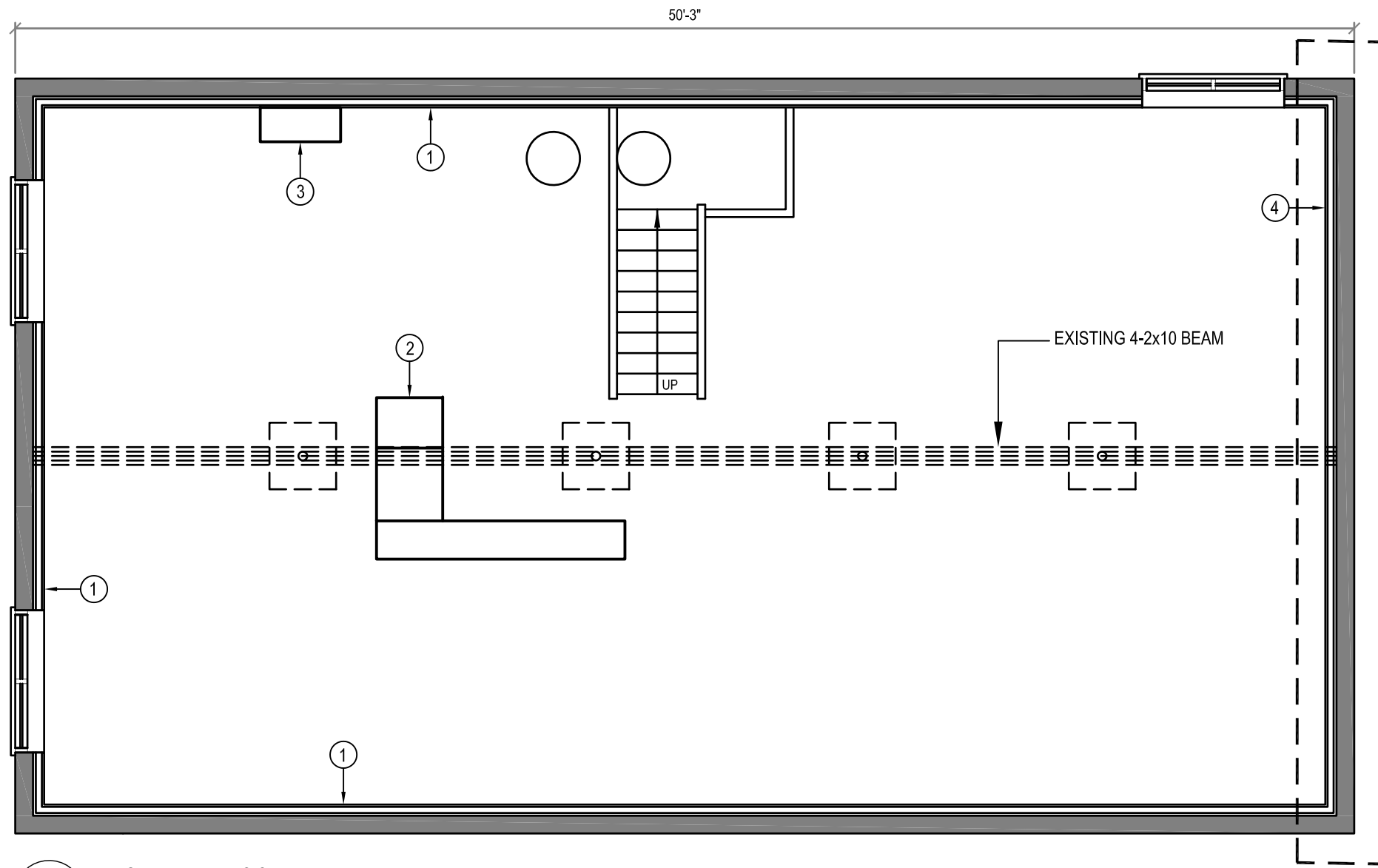
A1.2

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1 MAIN FLOOR PLAN
 A1.2 SCALE: 3/16"=1'-0"

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DRAWING NOTES: (#)

1. REMOVE 24" OF DRYWALL, INSULATION, AND AVB FROM WALL
2. REMOVE FURNACE
3. REMOVE HRV
4. REMOVE DRYWALL, STUDS AND AVB FROM THIS SECTION OF WALL

1 BASEMENT FLOOR PLAN
 A1.3 SCALE: 3/16"=1'-0"

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PROJECT TITLE
LUNDAR HOUSE RENOVATION

SHEET TITLE
BASEMENT PLAN - DEMOLITION

DATE
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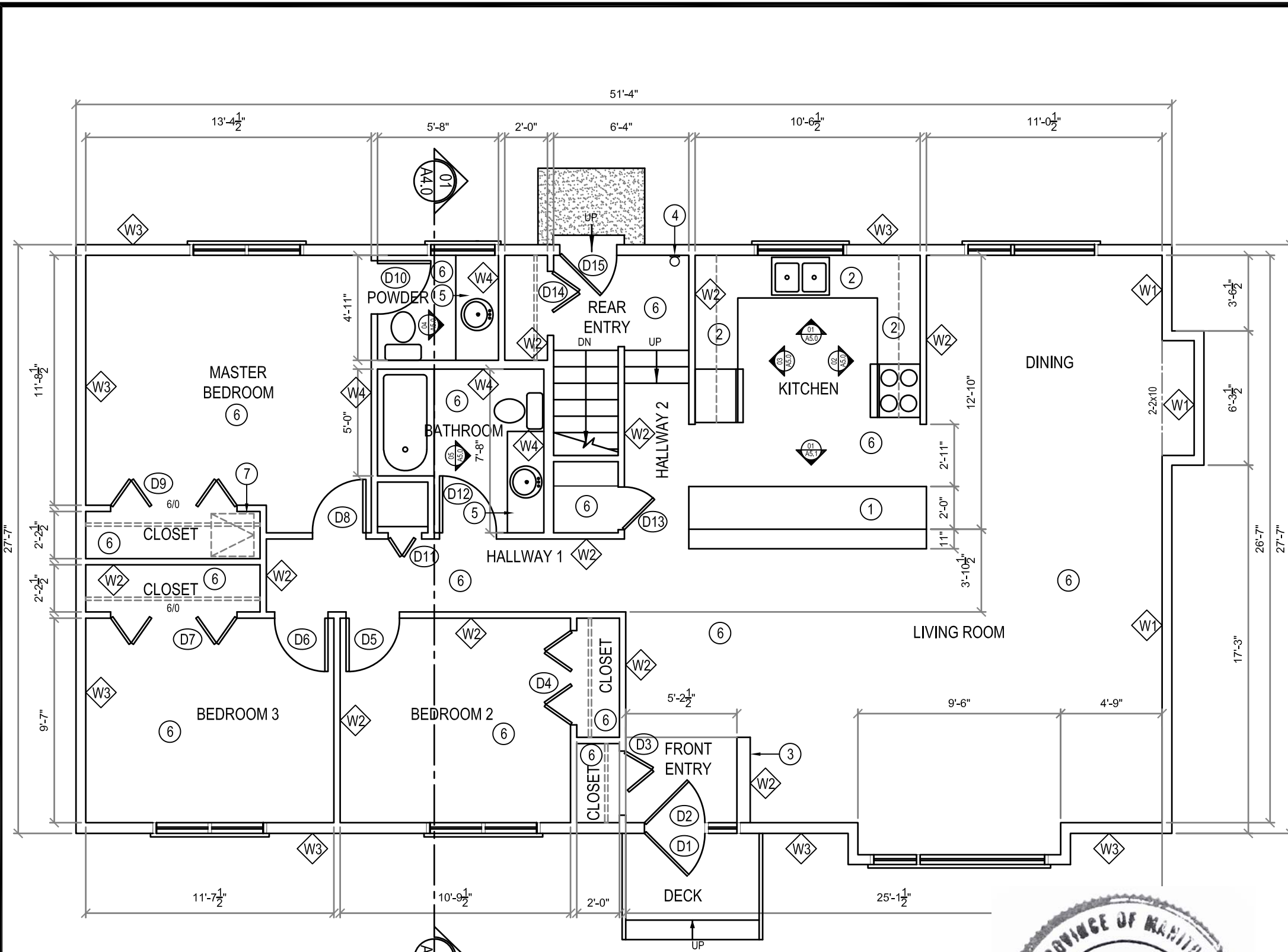
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1 MAIN FLOOR PLAN
A2.0 SCALE: 3/16"=1'-0"

DRAWING NOTES: (#)

1. NEW ISLAND 2-LEVEL
2. NEW KITCHEN MILLWORK
3. 42" HIGH HALF WALL C/W 1" BIRCH CAP
4. NEW 10 LBS. ABC FIRE EXTINGUISHER
5. NEW BATHROOM VANITIES
6. NEW CEILING
7. ATTIC ACCESS 24"x24"

GENERAL NOTES:

1. INSTALL ALL NEW TRIM BASEBOARD AND CASING THROUGHOUT THE HOUSE.
2. REPAINT THROUGHOUT HOUSE
3. INSTALL NEW ATTIC INSULATION AND INSULATION STOPS
4. INSTALL NEW FLOORING THROUGHOUT MAIN FLOOR AND LOWER LANDING AND STAIRS
5. INSTALL NEW ROOF TRUSSES, INSULATION, VAPOUR BARRIER, SHEATHING, SHINGLES, SOFFIT FASCIA AND ALL RAIN GEAR.

- W1 NEW SIDING
NEW AIR BARRIER
NEW 1/2" PLYWOOD SHEATHING
EXISTING 2x6 STUDS
NEW R-22 ROXUL INSULATION
NEW 6MIL AVB
NEW 1/2" DRYWALL
FINISH PAINT
- W2 NEW 1/2" DRYWALL
2x4 STUDS @ 16" O.C.
NEW 1/2" DRYWALL
- W3 NEW SIDING
NEW AIR BARRIER
EXISTING SHEATHING
EXISTING 2x6 STUDS
NEW R-22 ROXUL INSULATION
NEW 6 MIL AVB
NEW 1/2" DRYWALL
FINISH PAINT
- W4 NEW 1/2" DRYWALL
2x4 OR 2x6 STUDS @ 16" O.C.
NEW 1/2" MOISTURE RESISTANT DRYWALL
IN BATHROOMS
- W5 LOWER 24" OF WALL
NEW 1/2" DRYWALL
NEW 6 MIL AVB
NEW INSULATION
EXISTING 2x4 STUDS
EXISTING CONCRETE WALL
- W6 BASEMENT WALL
NEW 1/2" DRYWALL
NEW 6 MIL AVB
NEW INSULATION
EXISTING 2x4 STUDS
EXISTING CONCRETE WALL

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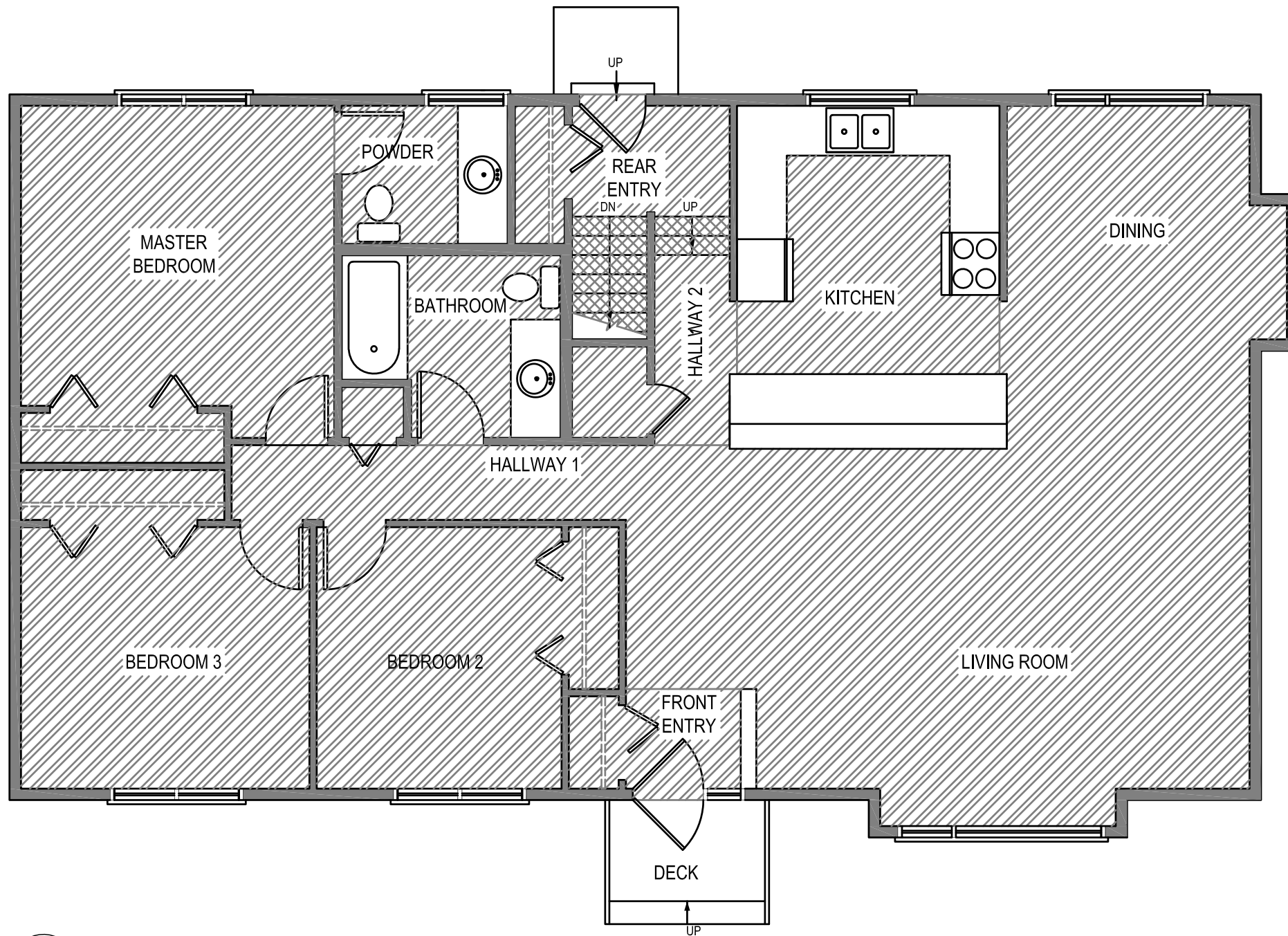
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SHEET TITLE: MAIN FLOOR PLAN - CONSTRUCTION
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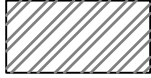
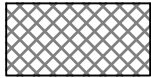
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LEGEND:

-  VINYL PLANK FLOORING (VP-1)
-  STAIR TREADS AND RISERS

NOTE:
HOUSE TO HAVE $\frac{5}{16}$ "
PRO-BOARD UNDERLAYMENT
INSTALLED THROUGHOUT.

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1 MAIN FLOOR PLAN-FLOORING
A2.1 SCALE: 3/16"=1'-0"

PROJECT TITLE
LUNDAR HOUSE RENOVATION

SHEET TITLE
MAIN FLOOR PLAN-FLOORING

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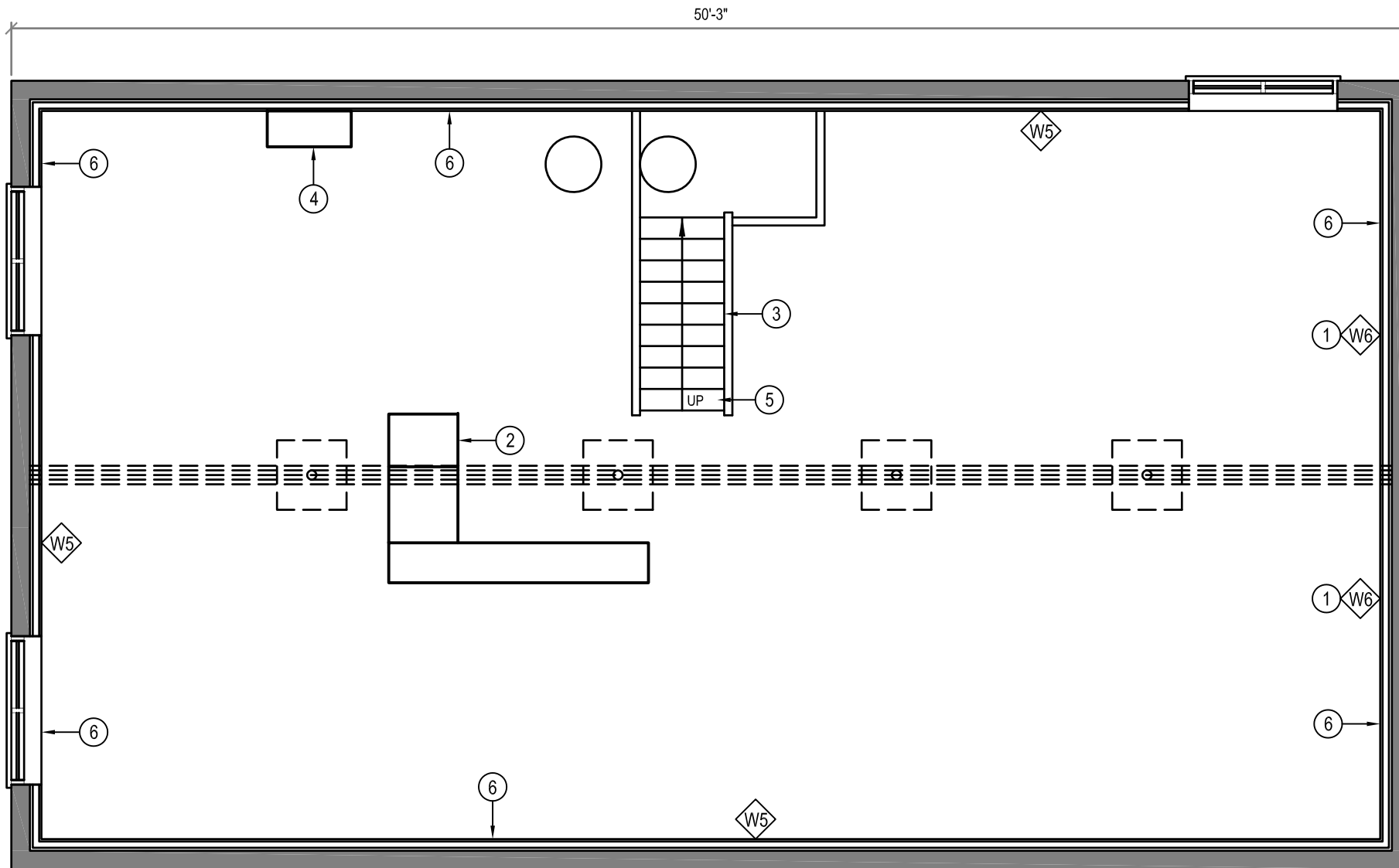
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A2.1

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1 BASEMENT FLOOR PLAN
A2.2 SCALE: 3/16"=1'-0"



DRAWING NOTES: (#)

1. NEW INTERIOR WALL (W6)
2. NEW FURNACE - SEE MECHANICAL DRAWING
3. EXISTING STAIRS C/W NEW COVERINGS
4. NEW HRV - SEE MECHANICAL DRAWING
5. ADD 1/2" PLYWOOD STAIR RISER BACKING TO STAIRS
6. SPRAY FOAM ALL END WALLS

GENERAL NOTES:

1. INSTALL ALL NEW TRIM THROUGHOUT THE HOUSE.
2. INSTALL NEW DRYWALL AND REPAINT THROUGHOUT
3. INSTALL NEW ATTIC INSULATION AND INSULATION STOPS
4. INSTALL NEW FLOORING THROUGHOUT MAIN FLOOR AND LOWER LANDING
5. PAINT CEILING OF BASEMENT
6. REPAINT BASEMENT WALLS

- W1 NEW SIDING
NEW AIR BARRIER
NEW 1/2" PLYWOOD SHEATHING
EXISTING 2x6 STUDS
NEW R-22 ROXUL INSULATION
NEW 6MIL AVB
NEW 1/2" DRYWALL
FINISH PAINT
- W2 NEW 1/2" DRYWALL
2x4 STUDS @ 16" O.C.
NEW 1/2" DRYWALL
- W3 NEW SIDING
NEW AIR BARRIER
EXISTING SHEATHING
EXISTING 2x6 STUDS
NEW R-22 ROXUL INSULATION
NEW 6 MIL AVB
NEW 1/2" DRYWALL
FINISH PAINT
- W4 NEW 1/2" DRYWALL
2x4 OR 2x6 STUDS @ 16" O.C.
NEW 1/2" MOISTURE RESISTANT DRYWALL
IN BATHROOMS
- W5 LOWER 24" OF WALL
NEW 1/2" DRYWALL
NEW 6 MIL AVB
NEW INSULATION
EXISTING 2x4 STUDS
EXISTING CONCRETE WALL
- W6 BASEMENT WALL
NEW 1/2" DRYWALL
NEW 6 MIL AVB
NEW INSULATION
EXISTING 2x4 STUDS
EXISTING CONCRETE WALL

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SHEET TITLE
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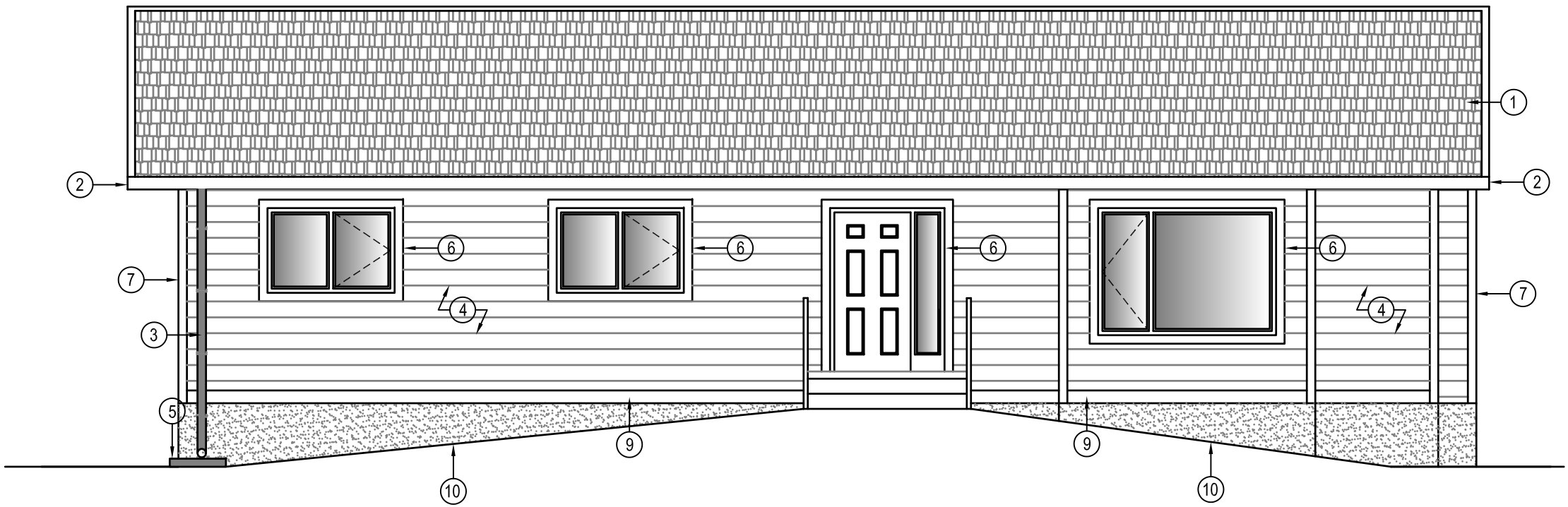
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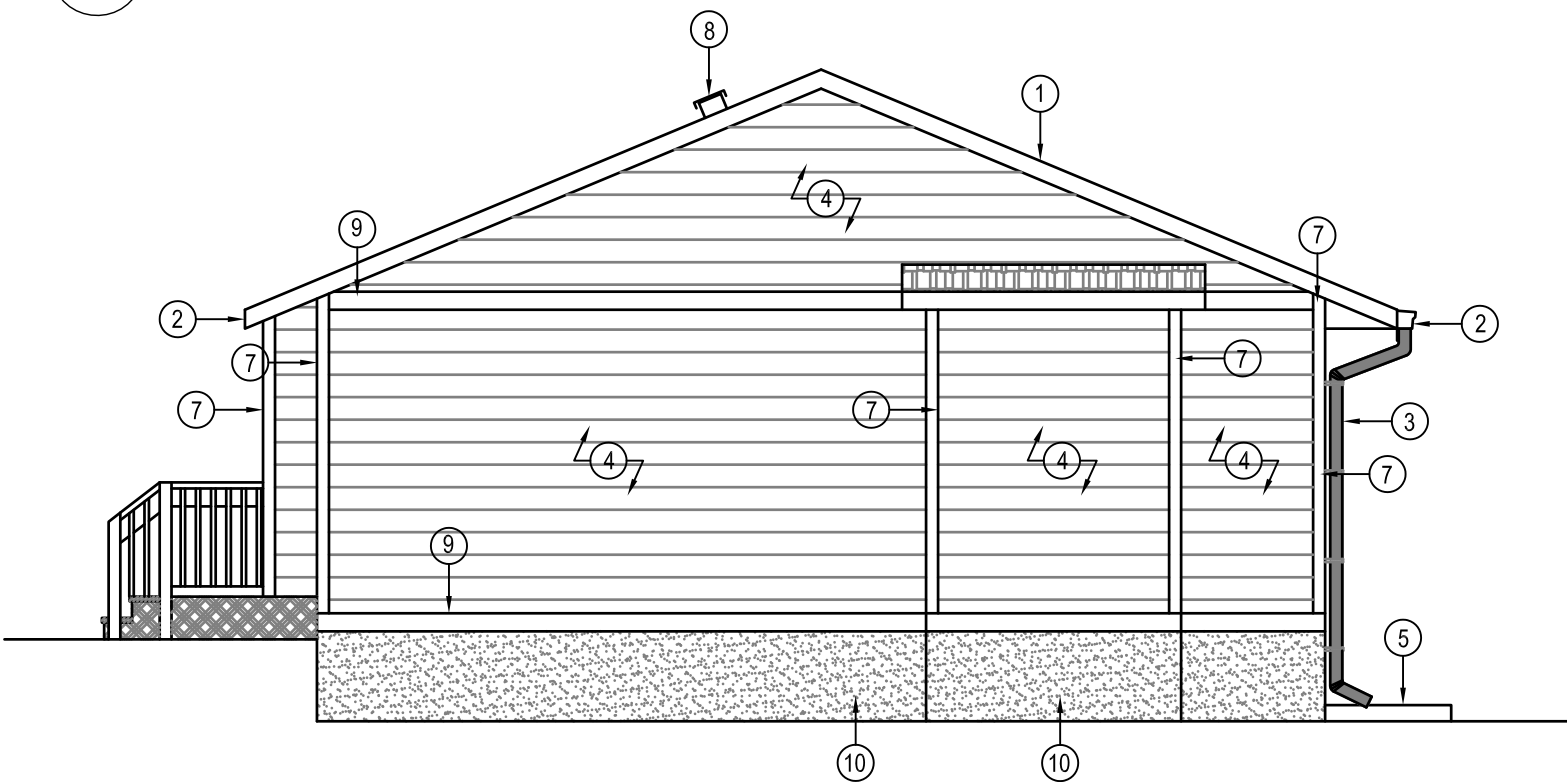
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1 FRONT ELEVATION
 A3.0 SCALE: 3/16"=1'-0"



2 RIGHT SIDE ELEVATION
 A3.0 SCALE: 3/16"=1'-0"

DRAWING NOTES: #

1. INSTALL NEW ROOF SYSTEM
2. INSTALL NEW SOFFIT AND FASCIA
3. INSTALL NEW GUTTERS AND DOWNSPOUTS
4. INSTALL NEW SIDING
5. NEW 36" CONCRETE SPLASH PAD
6. NEW 5/4"x4" WINDOW TRIM
7. 5/4"x4" CORNER TRIM
8. ROOF VENT
9. NEW 5/4" x 6" TRIM
10. RE-PARGE FOUNDATION



PROJECT TITLE: **LUNDAR HOUSE RENOVATION**

SHEET TITLE: **ELEVATIONS**

DATE: 17-07-11

SCALE: AS NOTED

LOCATION: LUNDAR, MANITOBA

CHECKED BY: RS

DRAWN BY: RQS

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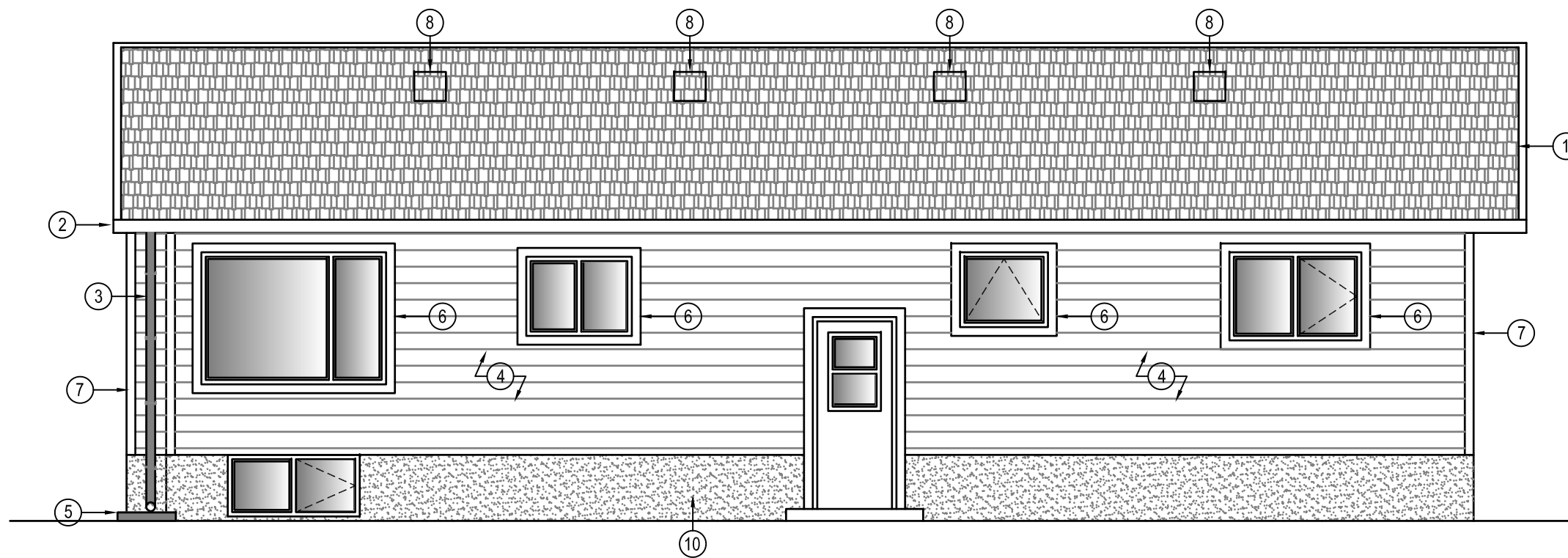
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18-072-01-30

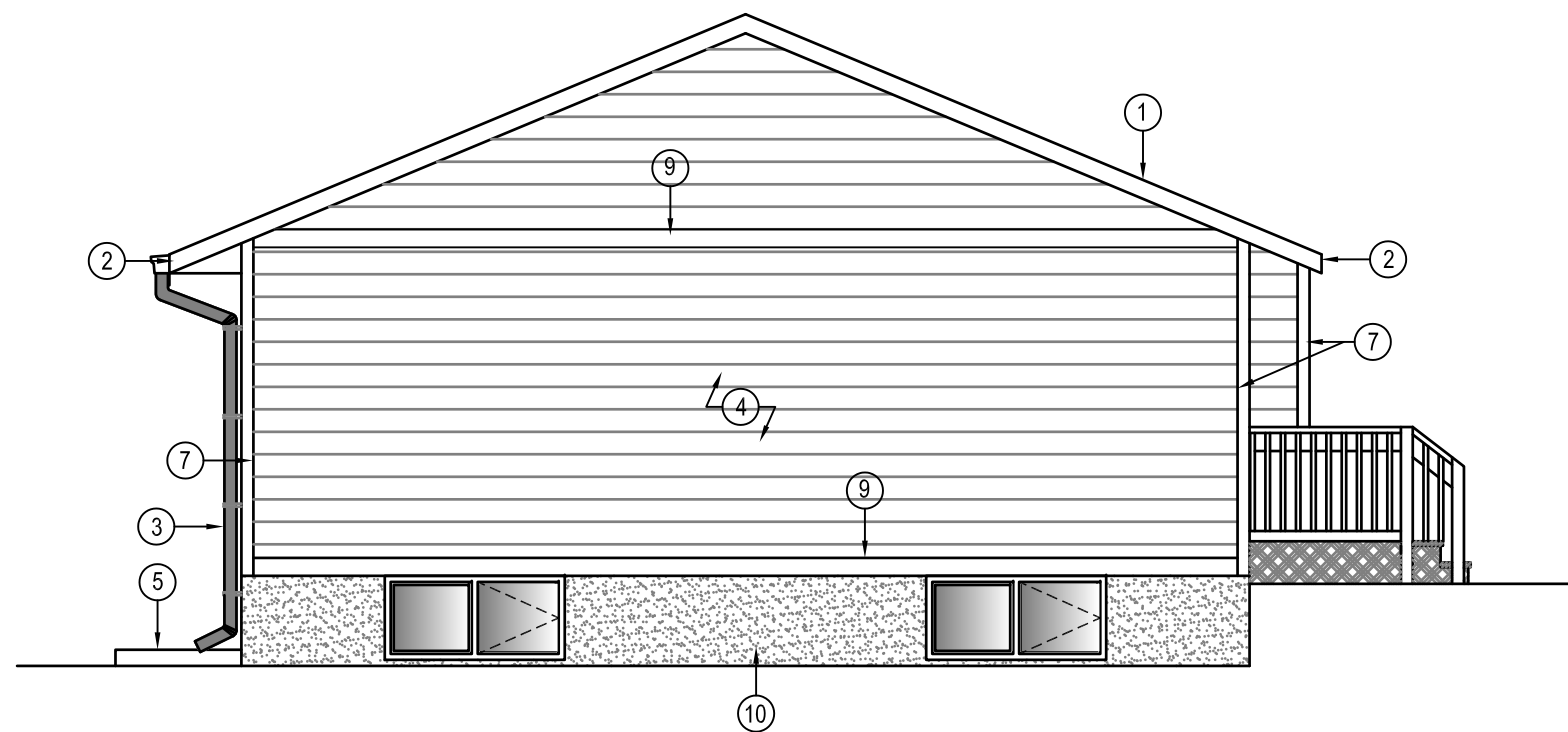
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1 REAR ELEVATION
 A3.1 SCALE: 3/16"=1'-0"



2 LEFT SIDE ELEVATION
 A3.1 SCALE: 3/16"=1'-0"

DRAWING NOTES: #

1. INSTALL NEW ROOF SYSTEM
2. INSTALL NEW SOFFIT AND FASCIA
3. INSTALL NEW GUTTERS AND DOWNSPOUTS
4. INSTALL NEW SIDING
5. NEW 36" CONCRETE SPLASH PAD
6. NEW 5/4"x4" WINDOW TRIM
7. 5/4"x4" CORNER TRIM
8. ROOF VENT
9. 5/4" X 6" TRIM
10. RE-PARGE FOUNDATION



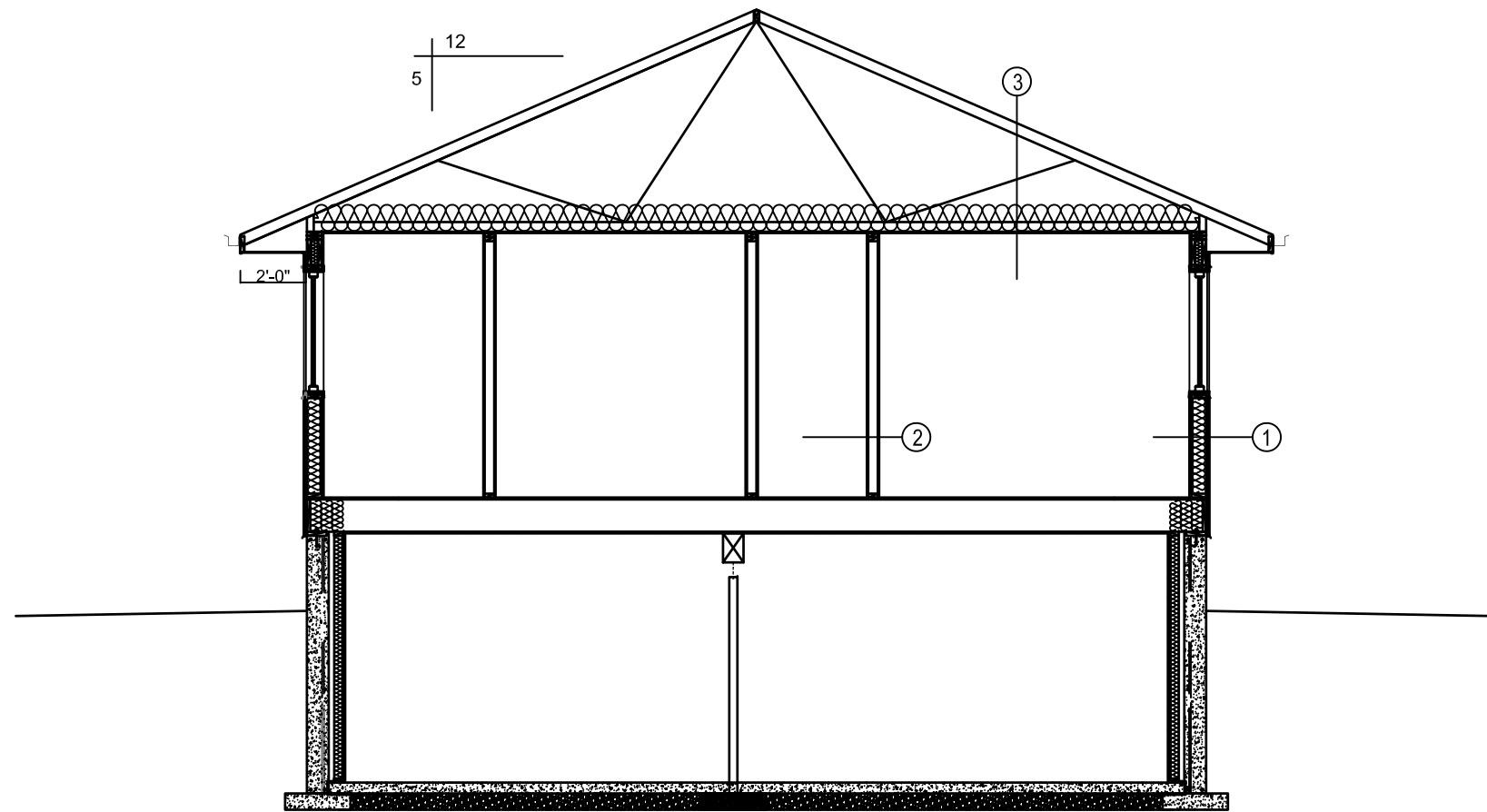
PROJECT TITLE: LUNDAR HOUSE RENOVATION
 SHEET TITLE: ELEVATIONS
 DATE: 17-07-11
 SCALE: AS NOTED
 LOCATION: LUNDAR, MANITOBA

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A3.1

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1 SECTION
A4.0 SCALE: 3/16"=1'-0"

SECTION LEGEND

- ① **WALL CONSTRUCTION**
 NEW SIDING
 NEW AIR BARRIER
 EXISTING SHEATHING
 EXISTING 2x6 STUDS
 NEW R-22 ROXUL INSULATION
 NEW 6 MIL AVB
 NEW 1/2" DRYWALL
 FINISH PAINT
 NEW POST

- ② **EXISTING WALL CONSTRUCTION**
 1/2" DRYWALL
 2x4 STUDS @ 16" O.C.
 1/2" DRYWALL

- ③ **ROOF CONSTRUCTION**
 30 YEAR FIBRE GLASS SHINGLES
 ICE WATER EAVESHIELD & EAVES VALLEYS
 EXTEND EAVESHIELD 6'-0" PAST THE INTERIOR FACE OF EXTERIOR WALL
 1/2" PLYWOOD ROOF SHEATHING C/W H-CLIPS
 5/12 SLOPE ENGINEERED ROOF TRUSSES @ 24" O.C., HIGH HEEL C/W HURRICANE CLIPS
 24" OVERHANGS
 CARDBOARD INSULATION STOPS BETWEEN TRUSSES
 MIN. 2 1/2" AIR SPACE BETWEEN TOP OF TRUSS AND INSULATION
 R-60 FIBERGLASS BLOW IN INSULATION OR EQUIV.
 6MIL. POLY VAPOUR BARRIER
 5/8" FIRE GUARD DRYWALL CEILING

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PROJECT TITLE
LUNDAR HOUSE RENOVATION

SHEET TITLE
SECTION

DATE
 17-07-11

SCALE
 AS NOTED

LOCATION
 LUNDAR, MANITOBA

CHECKED BY
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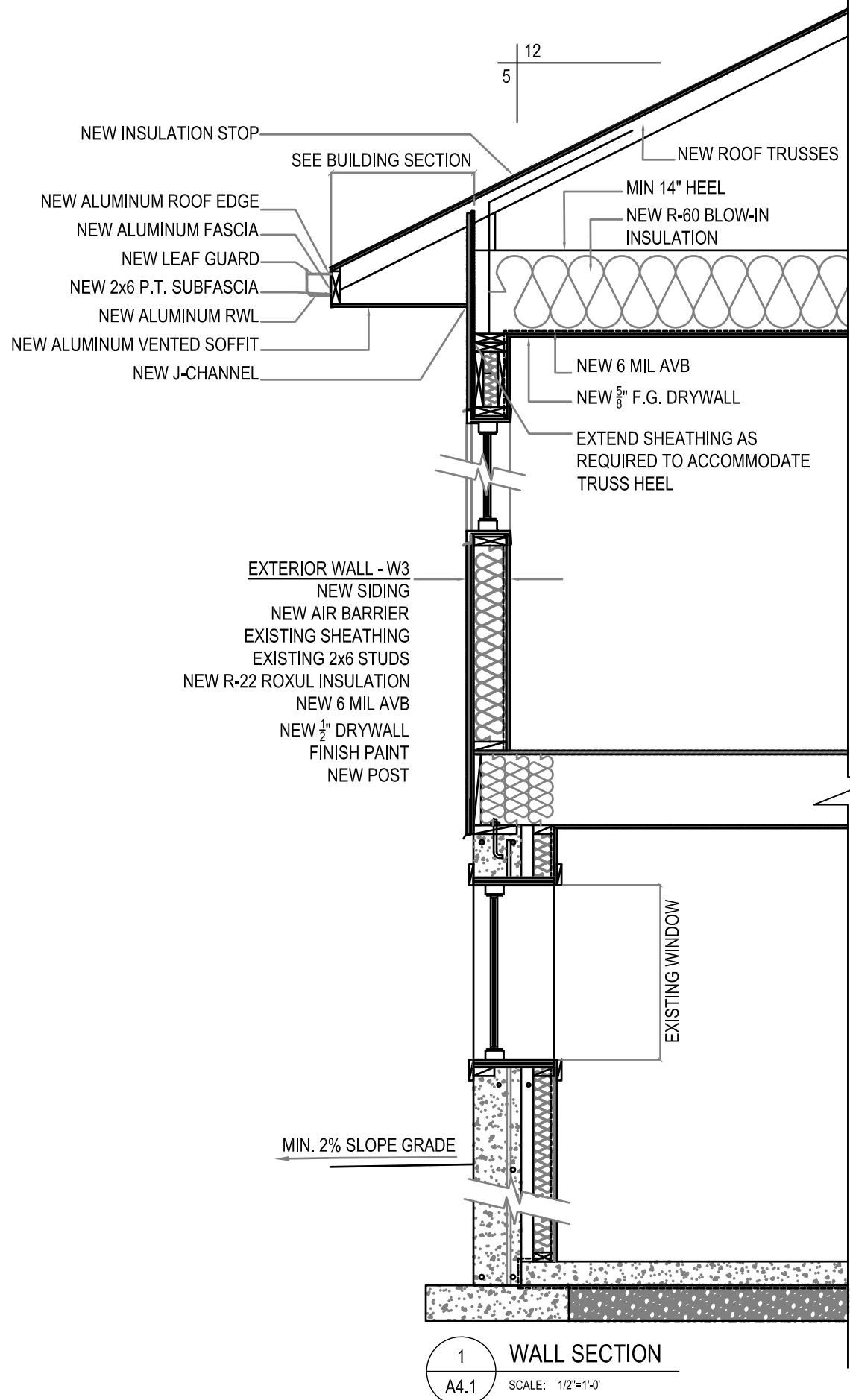
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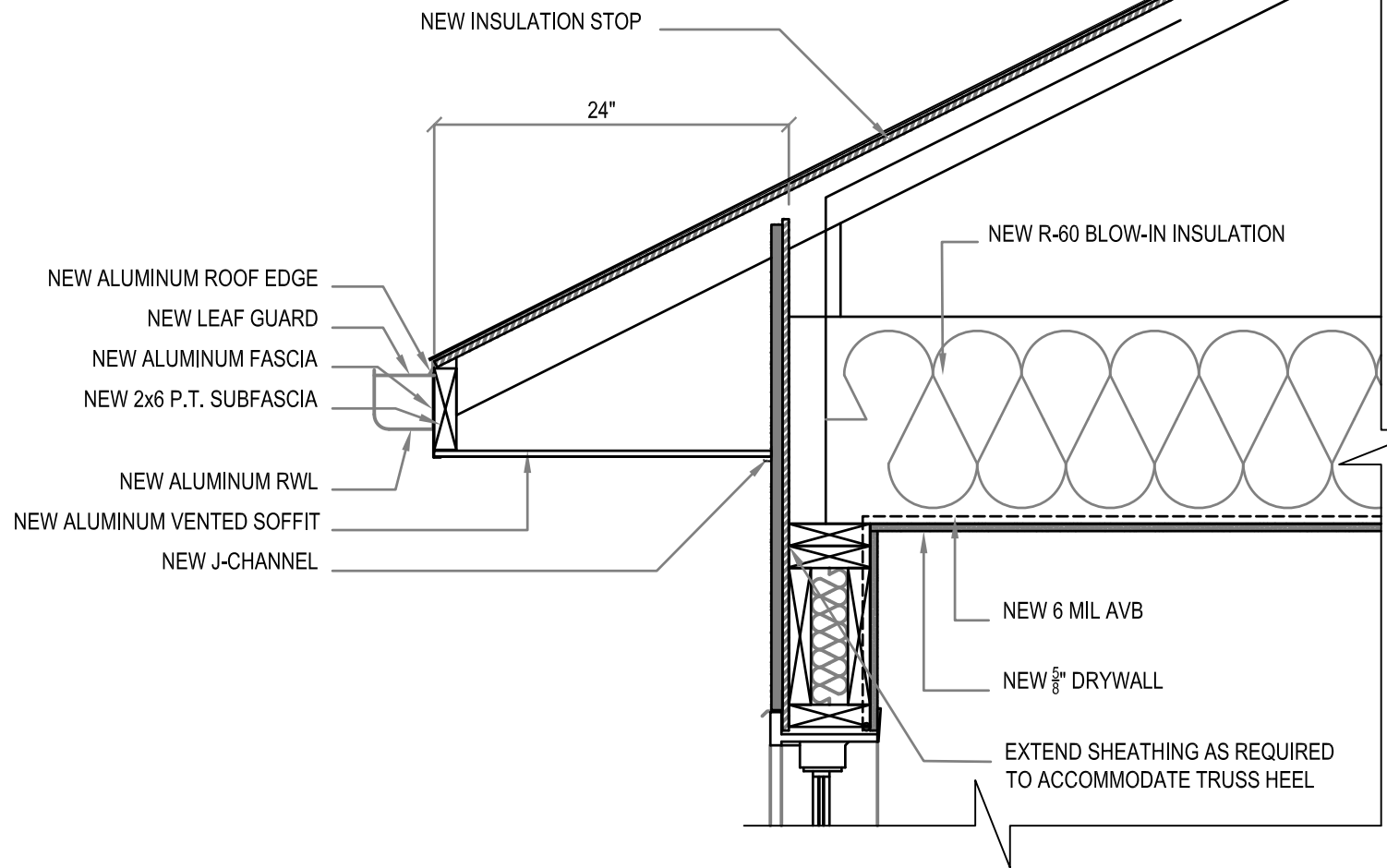
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1 WALL SECTION
A4.1 SCALE: 1/2"=1'-0"



2 DETAIL OF EAVES
A4.1 SCALE: 1"=1'-0"



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PROJECT TITLE
LUNDAR HOUSE RENOVATION

SHEET TITLE
DETAIL OF WALL & EAVES

DATE
17-07-11

SCALE
AS NOTED

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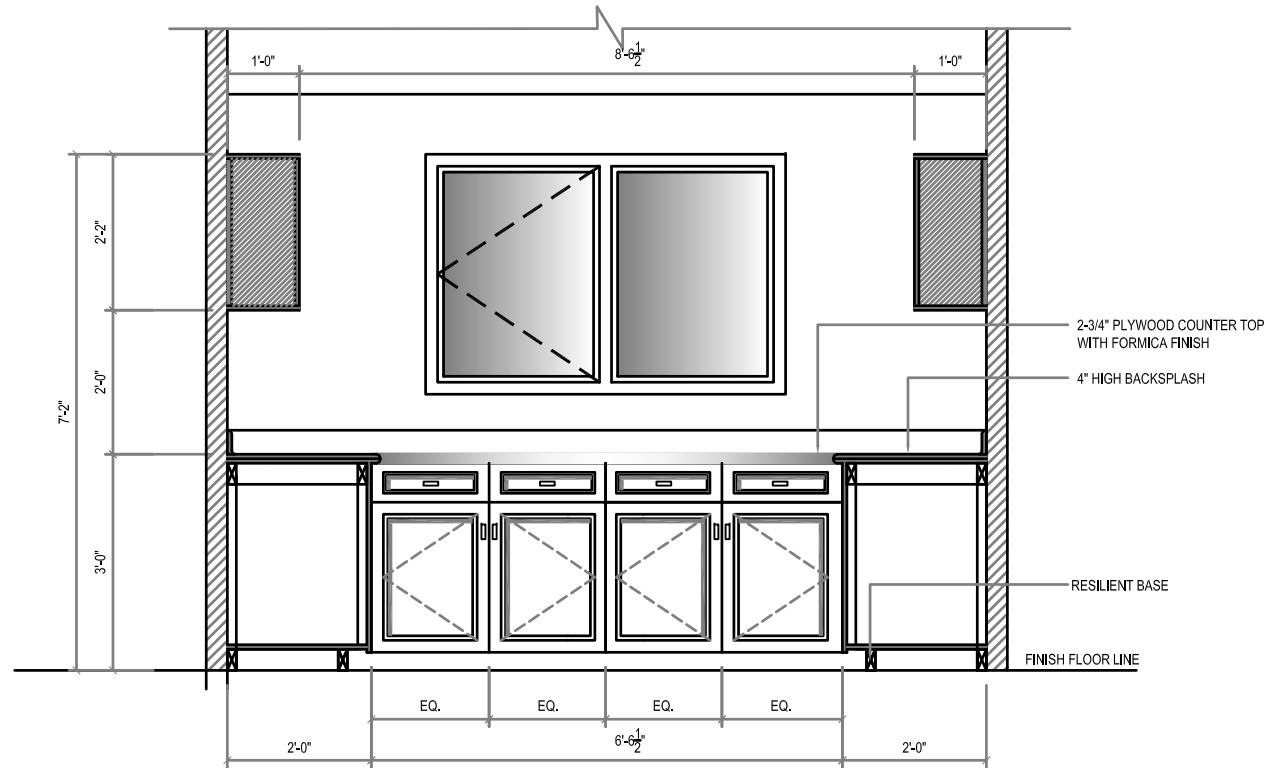
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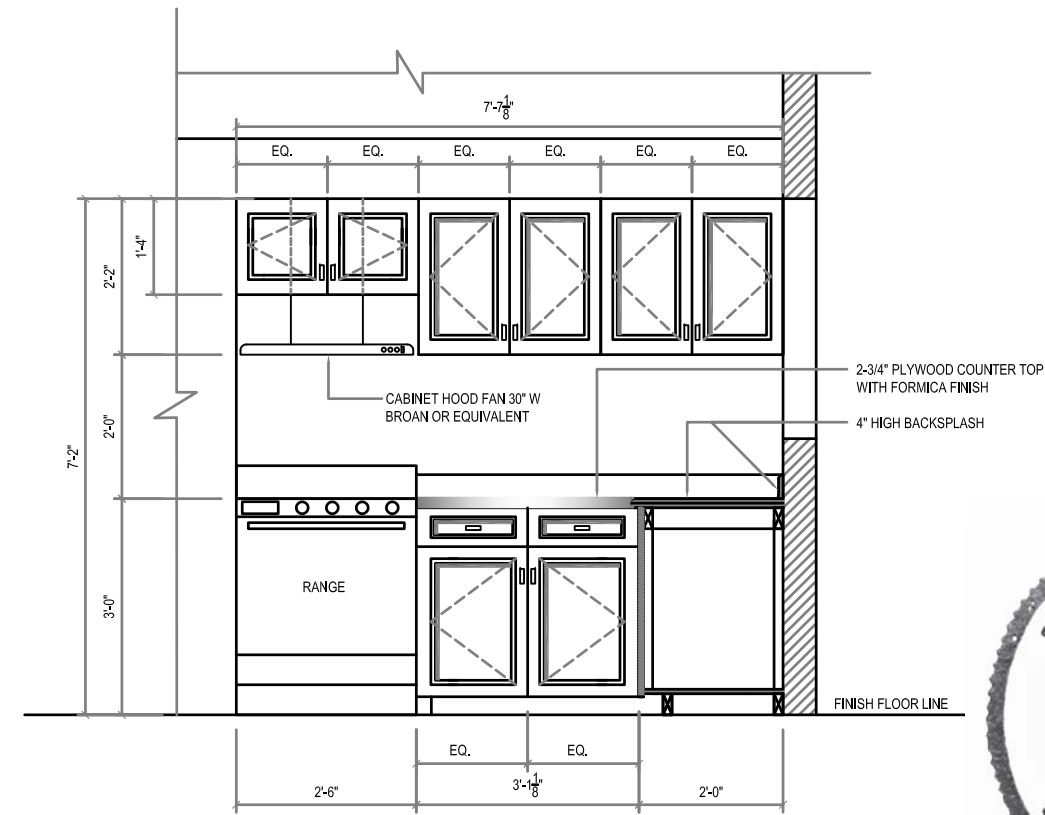
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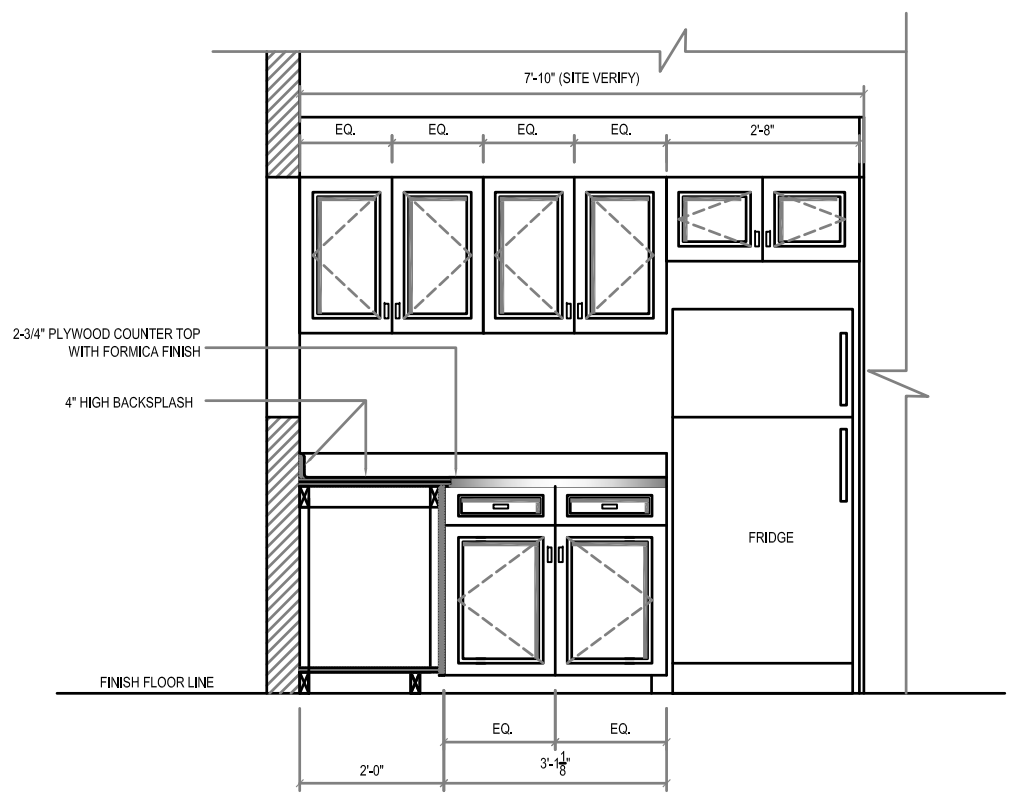
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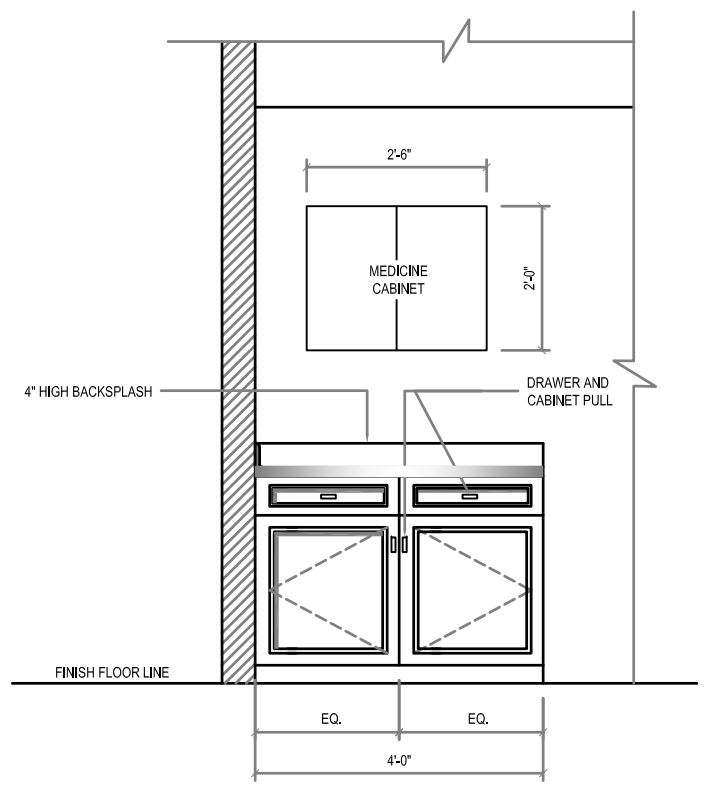
1 KITCHEN ELEVATION / SECTION
A5.0 SCALE: 3/8"=1'-0"



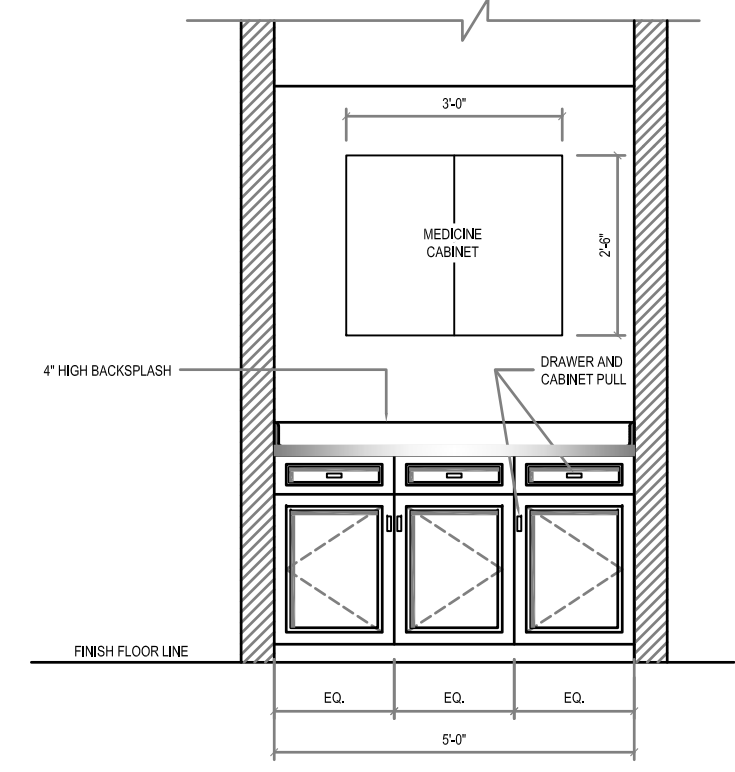
2 KITCHEN ELEVATION / SECTION
A5.0 SCALE: 3/8"=1'-0"



3 KITCHEN ELEVATION / SECTION
A5.0 SCALE: 3/8"=1'-0"



4 BATHROOM ELEVATION
A5.0 SCALE: 3/8"=1'-0"



5 POWDER ROOM ELEVATION
A5.0 SCALE: 3/8"=1'-0"

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SHEET TITLE: KITCHEN ELEVATION / SECTION
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SCALE: AS NOTED
DRAWN BY: RQS
CHECKED BY: RS
LOCATION: LUNDAR, MANITOBA

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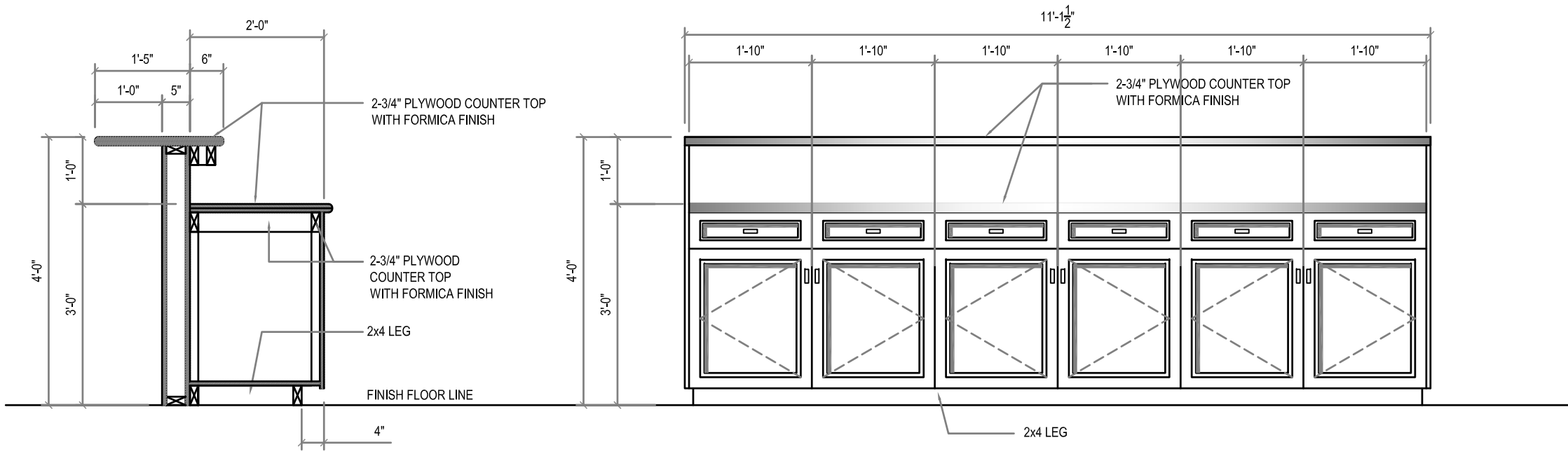
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1 DETAIL OF MILLWORK
 A5.1 SCALE: 1/2"=1'-0"



PROJECT TITLE
LUNDAR HOUSE RENOVATION

SHEET TITLE
DETAIL OF MILLWORK

DATE
 17-07-11

SCALE
 AS NOTED

LOCATION
 LUNDAR, MANITOBA

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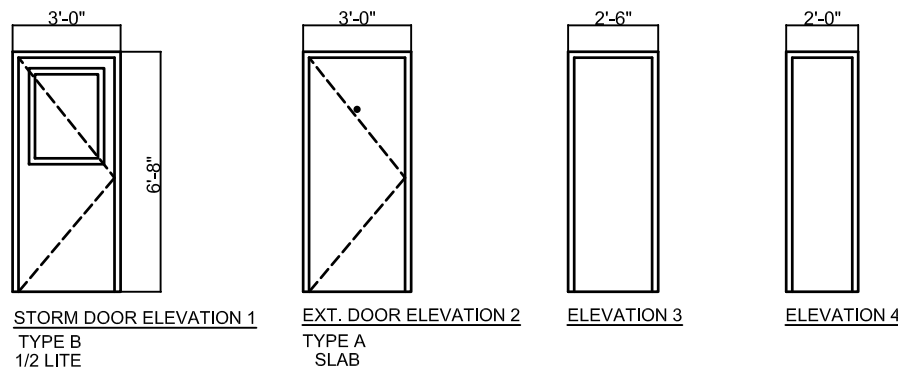
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DOOR ELEVATIONS



- NOTES:**
 1. ALL DOORS ACTUAL SIZES TO BE VERIFIED ON SITE.
 2. SEE DOOR STANDARD SECTION DETAILS
 3. INSTALL NEW CASING AROUND ALL DOORS SEE SPEC. FOR DETAILS

DOOR HARDWARE GROUPS

GRP 1	HINGES	COMPLETE BY DOOR SUPPLIER		
	LOCKSET	AL53PD NEP	626	SCHLAGE
	DEADLOCK	B660P	626	SCHLAGE
	FLOOR STOP	S100 SERIES	626	STD. METAL
	DOOR VIEWER	698	626	CANAROPA
	WEATHERSTRIP, SWEEPS AND THRESHOLD COMPLETE BY DOOR SUPPLIER			

DOOR HARDWARE GROUPS

GRP 2	HINGES	COMPLETE BY DOOR SUPPLIER		
	LOCKSET	AL53PD NEP	626	SCHLAGE
	FLOOR STOP	S100 SERIES	626	STD. METAL
	WEATHERSTRIP, SWEEPS AND THRESHOLD COMPLETE BY DOOR SUPPLIER			

DOOR FRAME DETAILS

A - MANUF SUPPLIED WOOD DOOR FRAMES C/W THERMALLY BROKEN THRESHOLD

DOOR SCHEDULE							
ROOM NAME	DOOR #	SIZE	TYPE	ELEV	FRAME	HARDWARE	REMARKS
ENTRANCE	D1	3'-0"x6'-8"x1 3/4"	INSULATED FIBER GLASS STORM DOOR	1	A		WINDOW 1/2 LITE
ENTRANCE	D2	3'-0"x6'-8"x1 3/4"	INSULATED FIBER GLASS EXTERIOR DOOR	2	B		
CLOSETS	D3, D4, D7, D9, D11, D14		HOLLOW CORE WOOD DOOR		B		
BEDROOMS	D5, D6, D8	2'-6"x6'-8"x1 3/4"	SOLID CORE WOOD DOOR	3	B		
BATHROOMS	D10, D12	2'-6"x6'-8"x1 3/4"	SOLID CORE WOOD DOOR	3	B		
STORAGE	D13	2'-0"x6'-8"x1 3/4"	SOLID CORE WOOD DOOR	4	B		
EXTERIOR BACK DOOR	D15	2'-0"x6'-8"x1 3/4"	INSULATED FIBER GLASS EXTERIOR DOOR	2	B		

ROOM SCHEDULE											
ROOM NAME	WALLS								CEILING		REMARKS
	NORTH		SOUTH		EAST		WEST		MATERIAL	FINISH	
	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH			
LIVING ROOM	DRYWALL	PAINT	DW	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	
DINING	DW	PAINT	DW	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	
KITCHEN	DW	PAINT	DW	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	
MASTER BEDROOM	DW	PAINT	DW	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	
BEDROOM 2	DW	PAINT	DW	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	
BEDROOM 3	DW	PAINT	DW	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	
HALLWAY 1	DW	PAINT	DW	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	
HALLWAY 2	DW	PAINT	DW	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	
BATHROOM	DW	PAINT	DW	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	
POWDER ROOM	DW	PAINT	DW	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	DRYWALL	PAINT	

- NOTES:**
 1. REPAIR ALL WALLS AND RE-PAINT ENTIRE HOUSE
 2. REPAINT BASEMENT WALLS AND CEILING



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PROJECT TITLE: **LUNDAR HOUSE RENOVATION**
 SHEET TITLE: **ROOM SCHEDULE**
 DATE: 17-07-11
 SCALE: AS NOTED
 DRAWN BY: RQS
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 LOCATION: LUNDAR, MANITOBA

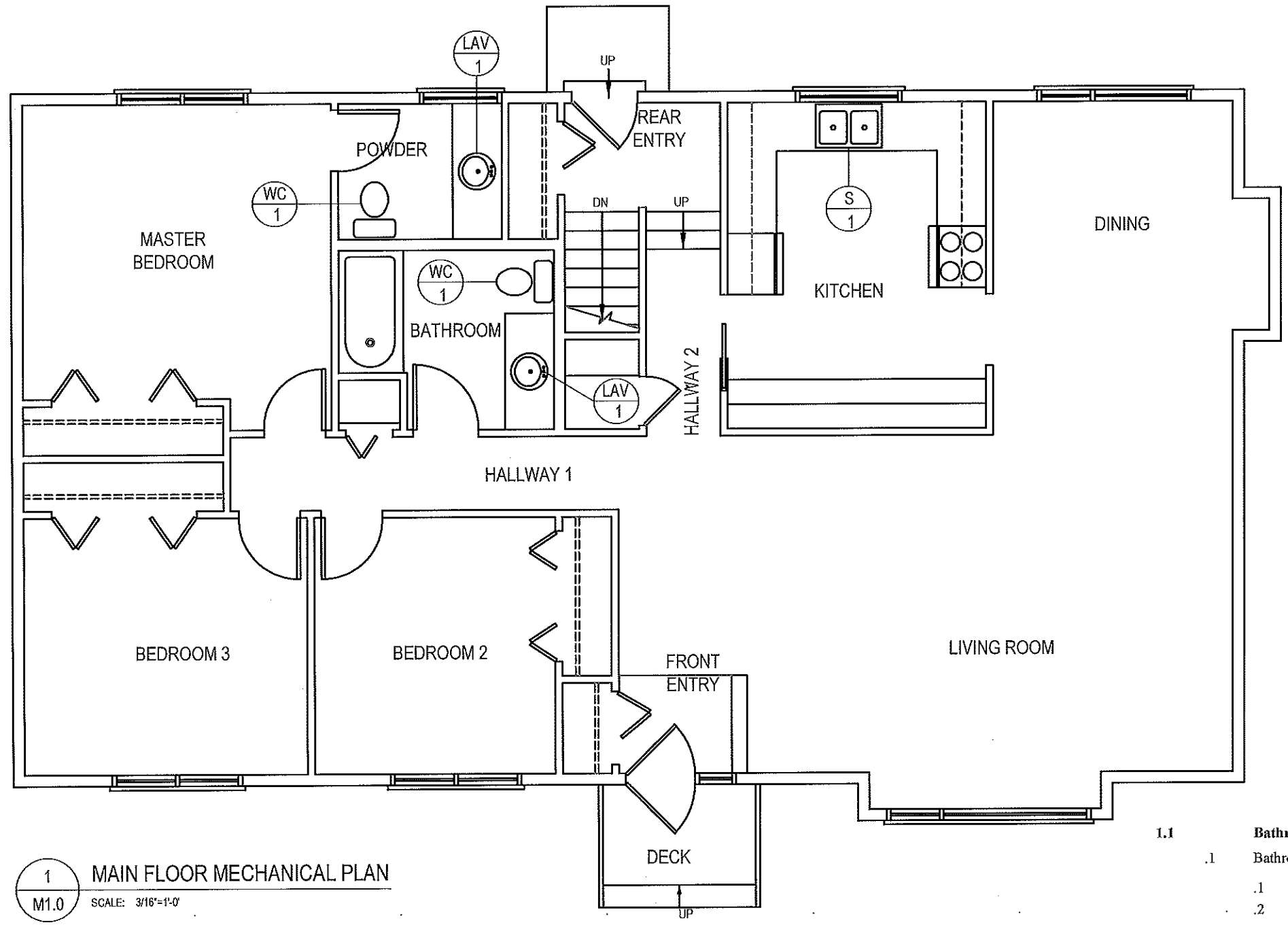
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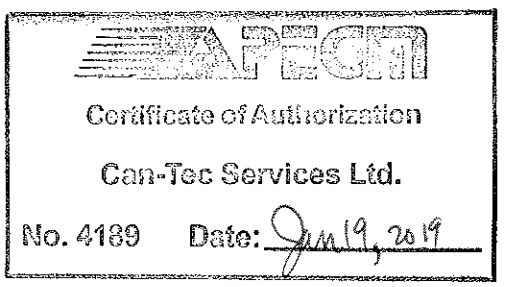
PLUMBING GENERAL NOTES:

1. INSTALL NEW FIXTURES
2. INSTALL NEW VENT LINES THROUGH ROOF, INSULATE WITH 1/2" ASJ INSULATION

1 MAIN FLOOR MECHANICAL PLAN
 M1.0 SCALE: 3/16"=1'-0"



- 1.1 Bathroom Accessories
 - .1 Bathroom Accessories to include (both bathrooms):
 - .1 Toilet Paper Holder
 - .2 Bath Towel Rails
 - .3 Hand Towel Holder
 - .4 Shower Rod, c/w holder
 - .2 All Accessories to be from the Moen Banbury Collection.
 - .3 Color: Chrome
- 1.2 Medicine Cabinets
 - .1 Add a medicine cabinet to each bathroom
 - .1 Main Bathroom: Glacier Bay Model SP4913 30" x 24" recessed mounted medicine cabinet
 - .2 Powder Room: Glacier Bay Model SP4907 36" x 30.5" recessed mounted Medicine cabinet



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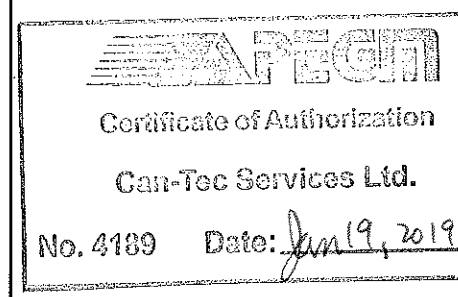
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PROJECT TITLE: LUNDAR HOUSE RENOVATION
 SHEET TITLE: MAIN FLOOR MECHANICAL PLAN
 DATE: 18 12 22
 SCALE: AS NOTED
 DRAWN BY: NA
 CHECKED BY: RS
 LOCATION: LUNDAR, MANITOBA

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PLUMBING FIXTURE SCHEDULE

Label	Estimated Total		Fixture	Specification	Note / Comment
WC-1			Floor Mounted Toilet - Vitreous china - Tank type	American Standard Evolution 2 Elongated #2427.500.020 Low consumption Toilet, 3063.001, 4061.500, 381 mm high, Vitreous china, elongated bowl, White Finish, Floor Mounted, Siphon jet flush action, 6 L (1.6 US Gal) per flush, Raised sanitary bar, 229 mm x 203 mm (9" x 8") water surface, Two (2) piece, cast rib for china to china assembly, Siphon jet flush action, Raised sanitary bar, lined tank, Left hand triplever, unbolted tank cover, 51 mm (2") flush valve with flapper, 'Pilot Valve' water control (without float) for quiet refill, 305 mm (12") rough-in, elongated bowl, 51 mm (2") fully glazed internal trapway, floor outlet, bolt caps, Toilet seat not included. Centoco #4200 Toilet Seat, light duty, For elongated bowl closed front, Solid plastic, With cover, Top mount hinges, Plated steel posts and plastic nuts. Provide Toilet Supply, Chrome plated finish All metal construction, light duty residential angle stops, pipe nipple, Escutcheon and flexible metal riser. Provide Floor Flange, (Same material as the connecting pipe drain), with all brass bolts and with rubber gasket.	
LAV-1			Counter mounted Self-rimming / Drop-in Basin	American Standard Cadet Universal Access #9494.001.020 Basin, 3 holes, 4" (102 mm) center, 533 mm x 445 mm x 175 mm (21" x 17-1/2" x 6-7/8") high, Oval, Vitreous china, White Finish, Self-rimming / Drop-in, Side rear overflow, faucet ledge. American Standard Monterrey #6114.110.002 Single handle Faucet, Polished Chrome finish, Cast brass body, 5.7 LPM (1.5 GPM) pressure compensating aerator outlet, 117 mm (4-5/8") projection reach, Metal pop-up with 1-1/4" (32 mm) tailpiece, pop-up drain, Integral hot water limit stop. Provide Faucet Supplies, Chrome plated finish All metal construction, light duty residential angle stops, Escutcheons and flexible metal risers, low lead. Provide P-Trap, chrome plated, adjustable all metal construction, 32 mm (1-1/4") size, and escutcheon.	
S-1			Countertop Mount Sink	Franke Commercial #LBD6408-1/4 Double Bowl Countertop Mount Sink, 3 holes, 8" (203 mm) center, plus 1 hole 4" (102 mm) to the right, 794 mm (31-1/4") wide x 521 mm (20-1/2") long x 203 mm (8") high deep, spillway, Counter mounted, backledge, Grade 18-10 20 GA. (0.9 mm) type 302 stainless steel, self-rimming, Satin finish rim and bowls, Mounting kit provided, Fully undercoated to reduce condensation and resonance, factory applied rim seal, 3-1/2" (89 mm) crumb cup waste assembly with 1-1/2" (38 mm) tailpiece. American Standard Xavier #9449.301.002 Single handle Faucet, Polished Chrome finish, All metal construction, Washerless ceramic disc valve cartridges, Aerator outlet, High arc brass spout with pull-down SelectFlow four function spray head with pause feature, 200 mm (7-7/8") projection reach, Lever handle. McGuire #LFHST06LKSB Faucet Supplies, Chrome plated finish polished brass, heavy pattern supply stop valve with turn brass stem, 13 mm (1/2") I.D. Inlet and I.D. Outlet, V.P. Loose keys, ECAST construction lead free (equal or less than 0.25%). Provide P-Trap, adjustable all metal construction, 38 mm (1-1/2") size, and escutcheon.	

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PROJECT TITLE
LUNDAR HOUSE RENOVATION

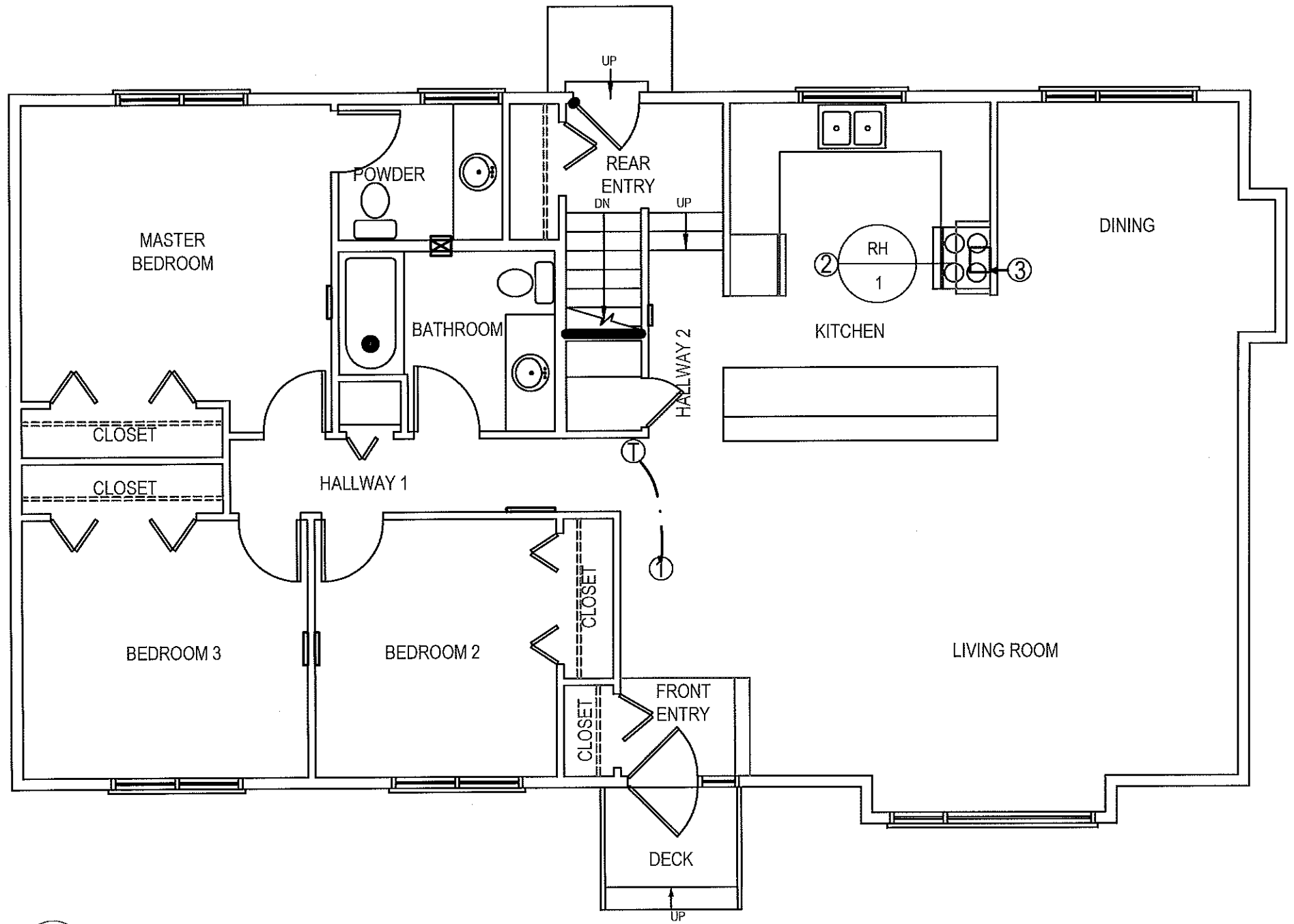
SHEET TITLE
PLUMBING FIXTURES

DATE 18-12-22
 SCALE AS NOTED
 DRAWN BY NA
 CHECKED BY RS
 LOCATION LUNDAR, MANITOBA

REVISION NO. 00
ISSUED FOR TENDER
19 01 18

M1.1

JOB NO.
18-072-01-30



1 MAIN FLOOR - HVAC
M2.0 SCALE: 3/16"=1'-0"

DRAWING NOTES: #

1. NEW 7 DAY PROGRAMMABLE THERMOSTAT.
2. NEW RANGE HOOD, EXHAUST DUCT THROUGH ROOF C/W GOOSE NECK.
3. RANGE HOOD EXHAUST DUCT TO BE IN WALL CAVITY

NOTES:

1. INSTALL ALL NEW GRILLS AND REGISTERS THROUGHOUT HOUSE, SIZE TO MATCH EXISTING
2. POWER VAC ALL DUCTS

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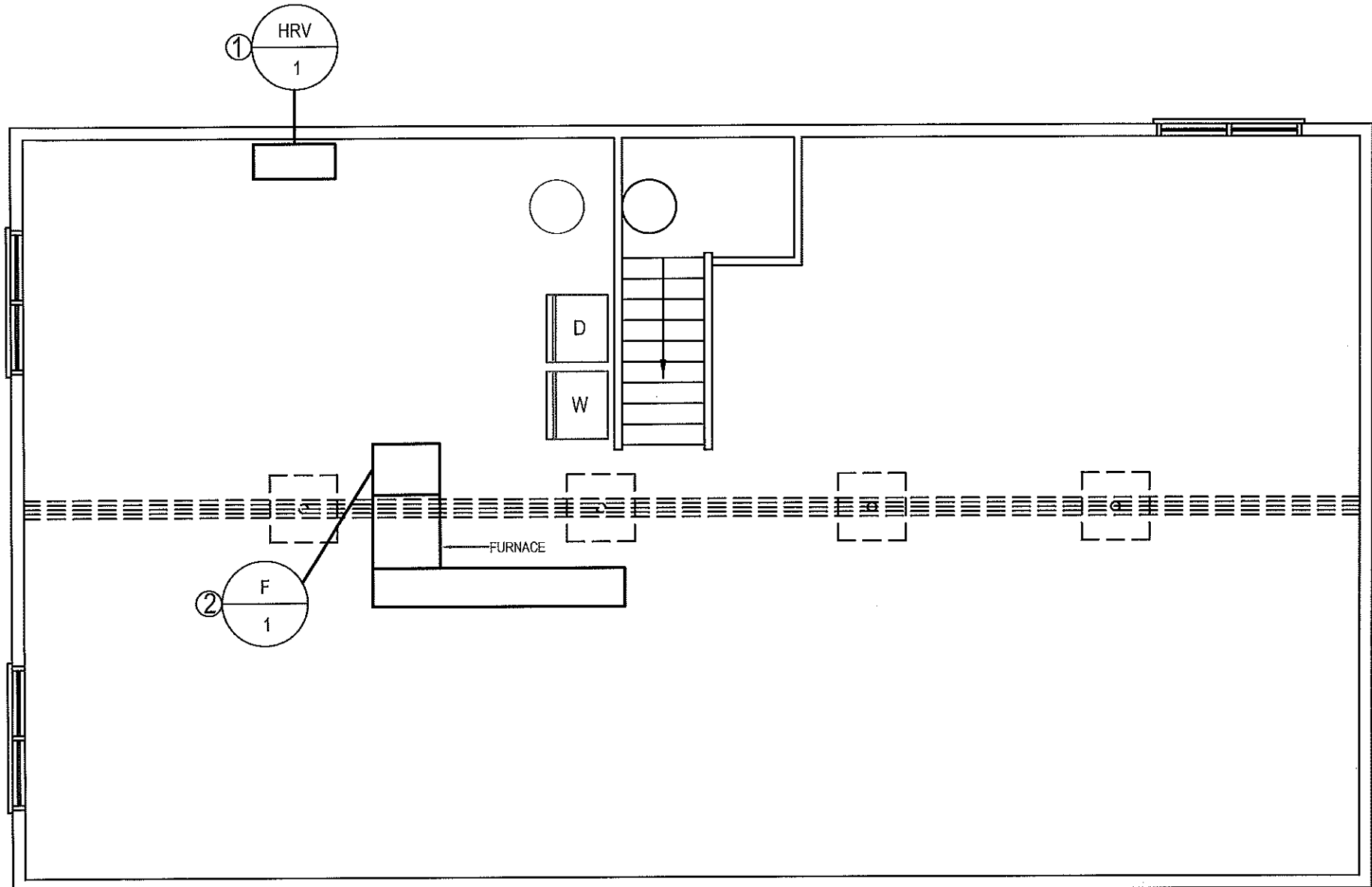
Can-Tec Services Ltd.
Certificate of Authorization
No. 4189 Date: Jan 19, 2019

PROJECT TITLE: LUNDAR HOUSE RENOVATION
SHEET TITLE: MAIN FLOOR HVAC
DATE: 18 01 21
SCALE: AS NOTED
DRAWN BY: NA
CHECKED BY: RS
LOCATION: LUNDAR, MANITOBA

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M2.0
JOB NO. 18-072-01-30

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- DRAWING NOTES: (#)
1. REMOVE AND REPLACE HRV
 2. REMOVE AND REPLACE FURNACE. FURNACE TO BE ON STAND, STAND TO BE METAL.

- NOTES:
1. POWER VAC ALL DUCTWORK
 2. REMOVE ALL HRV FLEXIBLE SUPPLY AND EXHAUST DUCTWORK. REPLACE WITH NEW RIGID DUCTS AND 2" FOIL FACE INSULATION

1 BASEMENT FLOOR - HVAC
 M2.1 SCALE: 3/16"=1'-0"



MAPECO
 Certificate of Authorization
 Can-Tec Services Ltd.
 No. 4189 Date: Jan 19, 2019

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PROJECT TITLE: LUNDAR HOUSE RENOVATION
 SHEET TITLE: BASEMENT FLOOR HVAC
 DATE: 18 01 21
 SCALE: AS NOTED
 DRAWN BY: NA
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 LOCATION: LUNDAR, MANITOBA

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MECHANICAL GENERAL SPECIFICATION

1. MECHANICAL CONTRACTOR SHALL EMPLOY ONLY CERTIFIED JOURNEYMEN NORMALLY ENGAGED IN THE SHEET METAL AND STEAM FITTING TRADES TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AND/OR OWNER OR HIS REPRESENTATIVE.
2. PROVIDE A WRITTEN ONE YEAR WARRANTY ON ALL WORK DONE UNDER THIS CONTRACT FROM DATE OF ACCEPTANCE.
3. THE MANITOBA BUILDING/PLUMBING CODE 2010 SHALL GOVERN THIS PROJECT MECHANICALLY.
4. ALL CHANGES AND ALTERATIONS REQUIRED BY THE AUTHORIZED INSPECTOR OF THE AUTHORITIES HAVING JURISDICTION SHALL BE CARRIED OUT WITHOUT CHARGE OR EXPENSES TO THE OWNER.
5. EACH CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER CONTRACTORS IN ORDER TO AVOID CONFLICTS.
6. CONTRACTOR SHALL VERIFY EXACT LOCATIONS, SIZES, INVERTS, ETC PRIOR TO TENDER CLOSE AND COMMENCEMENT OF WORK.
7. COORDINATE THE EXACT LOCATION OF THE GRILLES AND DIFFUSERS ON SITE WITH THE ELECTRICAL CONTRACTOR, GENERAL CONTRACTOR, ARCHITECTURAL REFLECTED CEILING PLAN, LIGHTING LAYOUT, ETC. TO ENSURE THAT THERE ARE NO CONFLICTS DURING INSTALLATION.
8. AT THE COMPLETION OF THE INSTALLATION, PROVIDE TWO MARKED UP COPIES OF THE TENDER DRAWINGS FOR RECORD PURPOSES.
9. ALL PIPING, DUCTWORK, AND EQUIPMENT SHALL BE SECURELY SUPPORTED FROM THE BUILDING STRUCTURE TO ACCEPTABLE BUILDING DESIGN STANDARDS. PERFORATED STRAP HANGERS WILL NOT BE PERMITTED. ALL PIPE HANGERS SHALL BE OVERSIZED WITH BOTTOM SADDLE WHERE EXTERIOR PIPE INSULATION IS USED.
10. PERMANENT SYSTEMS AND/OR EQUIPMENT SHALL NOT BE USED DURING THE CONSTRUCTION PERIOD WITHOUT WRITTEN PERMISSION FROM THE OWNER.
11. PROVIDE INSTRUCTIONS TO OWNER ON ALL SYSTEMS AND ASSOCIATED EQUIPMENT.
12. TESTING OF ALL SAFETY DEVICES SHALL BE CARRIED OUT BY THE MECHANICAL CONTRACTOR AND WITNESSED BY THE OWNER'S REPRESENTATIVE, SIGNED OFF AND FORWARDED TO THE O/M MANUAL.
13. MEET SAFETY REQUIREMENTS OF PROVINCIAL DEPARTMENT OF LABOUR AND LOCAL AUTHORITIES HAVING JURISDICTION.
14. A WRITTEN GUARANTEE COVERING ALL MATERIALS AND WORKMANSHIP FOR ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE OF THE ENTIRE CONTRACT, SHALL BE SUPPLIED BY THE CONTRACTOR. THIS GUARANTEE WILL NOT CANCEL LONGER WARRANTIES.
15. UPON COMPLETION OF THE WORK, THE ENTIRE JOB SITE SHALL BE CLEARED UP AND LEFT IN GOOD OPERATING CONDITION. THOROUGHLY CLEAN PIPING, DUCTWORK, AND EQUIPMENT OF DIRT, CUTTINGS AND OTHER FOREIGN SUBSTANCES.
16. ALL CUTTING AND PATCHING AND RELATED CONSTRUCTION WORK ARE TO BE PERFORMED BY THE GENERAL CONTRACTOR UPON INSTRUCTION FROM THE MECHANICAL CONTRACTOR.
17. ALL GALVANIZED DUCTWORK IS TO BE MANUFACTURED IN ACCORDANCE WITH CURRENT S.M.A.C.N.A. SPECIFICATIONS. ALL DUCTWORK IS TO BE SEALED WITH HIGH VELOCITY BRUSHED ON DUCT SEALANT.
18. ALL GALVANIZED DUCTWORK IS TO BE MANUFACTURED IN ACCORDANCE WITH CURRENT S.M.A.C.N.A. SPECIFICATIONS. ALL DUCTWORK IS TO BE SEALED WITH HIGH VELOCITY BRUSHED ON DUCT SEALANT.
19. PERMITS: CONTRACTOR IS RESPONSIBLE FOR GIVING ALL NECESSARY NOTICES, OBTAINING ALL NECESSARY PERMITS AND PAYING ALL APPLICABLE FEES.
20. ASSUME FULL RESPONSIBILITY FOR LAYING OUT ALL WORK AND ENSURE THAT NO DAMAGE IS CAUSED TO THE OWNERS EQUIPMENT AND PREMISES. PROTECT AND MAINTAIN ALL WORK UNTIL WORK HAS BEEN COMPLETED AND ACCEPTED BY THE OWNER AND ENGINEER.
21. ALL WIRING AND THE SUPPLY AND INSTALLATION OF STARTERS AND/OR DISCONNECT SWITCHES FOR EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR (DIV 16)
22. SUPPLY AND INSTALL ULC FIRE DAMPERS/FIRE STOPS AT ALL FIRE RATED PENETRATIONS.
23. ACCESS DOORS REQUIRED TO GAIN ACCESS TO BALANCING DAMPERS AT FIRE-RATED CEILING - SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.
24. BALANCING - CONTRACTOR WILL ENGAGE AN INDEPENDENT AIR BALANCING AGENCY.
 - a. SYSTEM TO BE ADJUSTED TO DATA PROVIDED.
 - b. BALANCING CONTRACTOR TO CONFIRM OPERATION OF COMPLETE MECHANICAL SYSTEM.
 - c. PROVIDE REPORT TO ENGINEER. (4 COPIES)

INSPECTION AND TESTING

1. THE WORK SHALL BE AT ALL TIMES AVAILABLE FOR INSPECTION BY AN OWNER REPRESENTATIVE. ALL WORK SHALL BE IN ACCORDANCE WITH AND SHALL BE INSPECTED TO MEET THE REQUIREMENTS OF THIS SPECIFICATION.
2. ALL START-UP AND TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER. NOTICE

OF DATE WHEN TESTS SHALL BE PERFORMED MUST BE RECEIVED BY OWNER

3. WORK SHALL NOT BE INSULATED OR CONCEALED PRIOR TO BEING TESTED AND APPROVED.
4. OPERATE SYSTEM FOR A SUFFICIENT PERIOD OF TIME TO ENSURE COMPLETE ACCEPTANCE; DEFECTS SHALL BE REMEDIATED AT CONTRACTOR'S EXPENSE.
5. AIR BALANCING SHALL BE PERFORMED BY AN INDEPENDENT CERTIFIED AIR BALANCING CONTRACTOR AND THE BALANCING REPORT SUBMITTED TO THE ENGINEER. COST FOR THIS WORK IS TO BE CARRIED BY THE MECHANICAL CONTRACTOR.

INSULATION:

1. PROVIDE 1/2"(12mm) THICK, FOIL-FACED RIGID PRE-FORMED FIBREGLASS EXTERNAL THERMAL PIPE INSULATION ON ALL NEW NATURAL GAS PIPING FOR 10'(3000mm) ON THE WARM SIDE OF A PENETRATION THROUGH A WALL OR CEILING/ROOF TO A COLD SPACE.
2. PROVIDE 2"(50mm) THICK, FOIL-FACED RIGID(FIBREGLASS OR FIBREBOARD) OR FLEXIBLE FIBREGLASS EXTERNAL THERMAL INSULATION ON ALL NEW EXHAUST OR RELIEF DUCTWORK FOR 10'-0"(3.0M) ON THE WARM SIDE OF A PENETRATION THROUGH A WALL/FLOOR/CEILING/ROOF TO A COLD SPACE, WHERE A BACKDRAFT DAMPER IS PROVIDED AT THE PENETRATION TO THE COLD SPACE WHERE THE BACKDRAFT DAMPER IS PROVIDED IN THE DUCTWORK, INSULATION SHALL EXTEND FROM THE PENETRATION TO 10'-0"(3.0M) UPSTREAM OF THE BACK DRAFT DAMPER.
3. PROVIDE 1"(25mm) THICK, FOIL-FACED EXTERNAL THERMAL INSULATION ON ALL NEW SUPPLY AIR DUCT MAINS, EXCLUDING INDIVIDUAL RUN-OUTS TO DIFFUSERS. INSULATION SHALL BE FLEXIBLE FIBREGLASS, OR RIGID FIBREBOARD.
4. PROVIDE 2"(50mm) THICK, FOIL-FACED RIGID FIBREGLASS OR FIBREBOARD EXTERNAL THERMAL INSULATION ON ALL NEW OUTSIDE AIR INTAKE, MIXED AIR AND COMBUSTION AIR DUCTWORK, ROUND COMBUSTION AIR DUCTWORK MAY BE FLEXIBLE FIBREGLASS.
5. PROVIDE 3"(75mm) THICK, FOIL-FACED RIGID FIBREGLASS OR FIBREBOARD EXTERNAL THERMAL INSULATION ON ALL NEW DUCTWORK LOCATED OUTDOORS. PROVIDE WEATHERPROOFING EQUAL TO:
 - .1 PROVIDE DIMPLE FINISH .016 ALUMINUM JACKET OR GALVANIZED SHEET.
6. PROVIDE 1"(25mm) THICK, BLACK CELLULAR FOAM RUBBER INSULATION ON ALL REFRIGERATION PIPING, INSTALL USING PLASTIC WIRE TIES.
7. ALL JOINTS AND ELBOWS SHALL BE COMPLETELY INSULATED EXCEPT JOINTS AND ELBOWS MAY BE LEFT UNCOVERED ON HOT PIPING IN CONCEALED SPACES.
8. ALL VALVES AND UNIONS SHALL BE COMPLETELY INSULATED, EXCEPT VALVES AND UNIONS MAY BE LEFT UNCOVERED ON HOT PIPING IN CONCEALED SPACES.
9. SEAMS OF FOIL-FACED THERMAL INSULATION SHALL BE SEALED WITH ALUMINUM DUCT TAPE.
10. COVER BUTT JOINTS WITH A STRIP OF THE SAME MATERIAL AS THE JACKET.
11. FLEXIBLE INSULATION SHALL BE INSTALLED IN A MANNER THAT DOES NOT REDUCE ITS THICKNESS.

DUCTWORK

1. ALL DUCT DIMENSIONS DENOTE INTERNAL "FREE" AREA OF THE DUCT.
2. SHEET METAL DUCTWORK, HANGERS, FITTINGS, AND COMPONENTS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH "SMACNA" HVAC DUCT CONSTRUCTION STANDARDS LATEST EDITION AND "ASHRAE" EQUIPMENT GUIDE.
3. ALL DUCTWORK SHALL BE INSTALLED ACCORDING TO SMACNA STATIC PRESSURE CLASS + 500 PA STANDARDS.
4. ALL 90 DEGREE SQUARE TURN ELBOWS (WHICH HAVE NO CHANGE IN DIMENSIONS THROUGH TURN) SHALL HAVE DOUBLE THICKNESS TURNING VANES.
5. ROUND DUCT ELBOWS SHALL HAVE A RADIUS DIMENSION 1.5 TIMES THE WIDTH OF THE DUCT (IN THE PLANE OF THE TURN) TO THE CENTERLINE OF THE DUCT.
6. ALL EXHAUST AIR DUCTWORK SHALL BE INSULATED WITH 2" THICK FOIL FACED FIBREGLASS DUCT INSULATION FROM THE EXTERIOR WALL OR ROOF SURFACE TO A DISTANCE OF 6'-0" (MIN.) INTO THE BUILDING SPACE, EXCEPT AS INDICATED.
7. MECHANICAL CONTRACTOR SHALL INSTALL 4" (MIN.) FLEXIBLE CONNECTORS ON INLET AND DISCHARGE DUCTWORK OF EQUIPMENT.
8. ALL SUPPLY AIR DUCTWORK SHALL BE INTERIOR INSULATED WITH 1" ACOUSTIC INSULATION FOR THE FIRST 10' FROM THE FAN DISCHARGE, UNLESS INDICATED OTHERWISE. PROVIDE INTERIOR ACOUSTIC INSULATION FOR RETURN AIR DUCT FROM RETURN AIR GRILLE TO MIXING BOX.
9. PROVIDE BALANCING DAMPERS AS SHOWN AND AS REQUIRED TO ALLOW PROPER BALANCING OF THE SYSTEM. BALANCING DAMPERS SHALL BE PROVIDED FOR EACH SUPPLY AIR OUTLET AND RETURN/EXHAUST AIR INLET. DAMPERS MOUNTED AT GRILLES SHALL BE MULTI-BLADE TYPE. BUTTERFLY DAMPERS IN DUCTWORK SHALL BE CONSTRUCTED OF SHEET METAL TWO GAUGES HEAVIER THAN THE DUCTWORK. DUCT DAMPERS SHALL HAVE LOCKING QUADRANTS AND POSITION INDICATORS.
10. JOINT SEALS
SEAL JOINTS BETWEEN DUCTS, FITTINGS, ETC., WITH DURO-DYNE S-2 DUCT SEALER AND DURO-DYNE FIBREGLASS DUCT TAPE. APPLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

11. FITTINGS
MANUFACTURED BY UNITED, 90 DEGREE ELBOWS TO BE 5 PIECE MITRED, 8" DIA. OR LESS, 90 DEGREE ELBOWS CAN BE 1 PIECE MOLDED TYPE. USE CONICAL CONNECTIONS THROUGHOUT INSTALLATION.
12. FIRE DAMPERS
ULC LISTED BLADE POCKETS OUT OF AIR STREAM, "FIRE BARRIER" OR EQUAL. CEILING FIRE DAMPERS SHALL BE 'CONTROLLED AIR' MODEL CFSR-1 c/w CK2000 THERMAL BLANKET, ULC LISTED.
13. ACCESS DOORS
PROVIDE ACCESS DOORS AS REQUIRED TO ACCESS AND MAINTAIN ALL VENTILATION EQUIPMENT, INCLUDING COILS, MOTORIZED DAMPERS, AND FIRE DAMPERS.
14. PIPING
REFRIGERANT PIPING TO BE INSULATED WITH 1/4" FLEXIBLE PIPE INSULATION AND WEATHER COATING WHERE REQUIRED.
15. ALL PENETRATIONS IN FIRE RATED SURFACES ARE TO BE SEALED WITH ELECTROVERT CLK CAULKING MATERIAL OR APPROVED EQUAL.
16. SUPPLY 4 SPARE FUSES AND LAMPS FOR ALL CONTROL PANELS.
17. SUPPLY LAMACOID NAME TAGS FOR ALL AIR HANDLING EQUIPMENT, THERMOSTATS, MOTORIZED DAMPERS AND PUMPS.
18. SUBMIT FOR ENGINEERS APPROVAL SHOP DRAWINGS OF ALL EQUIPMENT.
19. SUPPLY O&M MANUALS FOR EQUIPMENT SUPPLIED AND INSTALLED.
20. COMPLETE TRAINING TO BE SUPPLIED ON ALL THE EQUIPMENT SUPPLIED AND INSTALLED.

EQUIPMENT LIST

1. FURNACE F-1

SUPREME ELECTRIC FURNACE, 1900 CFM @ .20 ESP IN.WC. 23 KW, 240V/1 PH/60 HZ, BLOWER 1HP, 107AMP.

2. HEAT RECOVERY UNIT HRV-1

VENMAR CONSTRUCTO 2.0. 189 @ 0.4" ESP WG, C/W CONTROL AIR 15 CONTROLLER. TWO 6" WEATHER HOODS C/W 1/4" MESH SCREEN C/W 3KW ELECTRIC COIL ON THE OA AIR INTAKE COIL COMPLETE SCR, SAIL SWITCH AND DUCT THERMOSTAT.

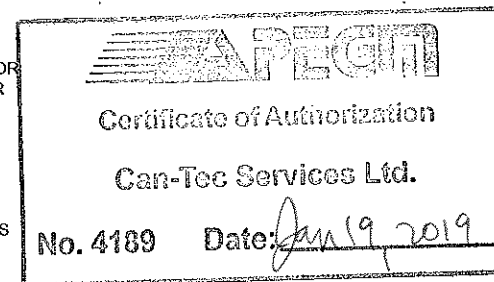
3. RANGE HOOD

BROAN BP124BLN, 180 CFM @ 7.5 SONE C/W 7" GALVANIZED OR ALUMINUM EXHAUST TO BROAN 634 ROOF CAP.

BUILDING HEAT LOSS: 47KBTUH (13.8KW)
VENTILATION HEAT: 18.8KBTUH (5.5KW)

OUTSIDE AIR REQUIREMENTS AS PER ASHRAE STANDARD 62.1-2010
VENTILATION ACCEPTABLE AIR QUALITY

AREA	2800 SQ.FT. @ 0.06 CFM/SQ.FT.	168 CFM
PEOPLE	4 @ 5 CFM/PERSON	20 CFM
		188 CFM



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LUNDAR HOUSE RENOVATION

SPECIFICATION

CHECKED BY: RS
DRAWN BY: NA
SCALE: AS NOTED
DATE: 18 01 21
LOCATION: LUNDAR, MANITOBA

REVISION NO. 00
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M2.2

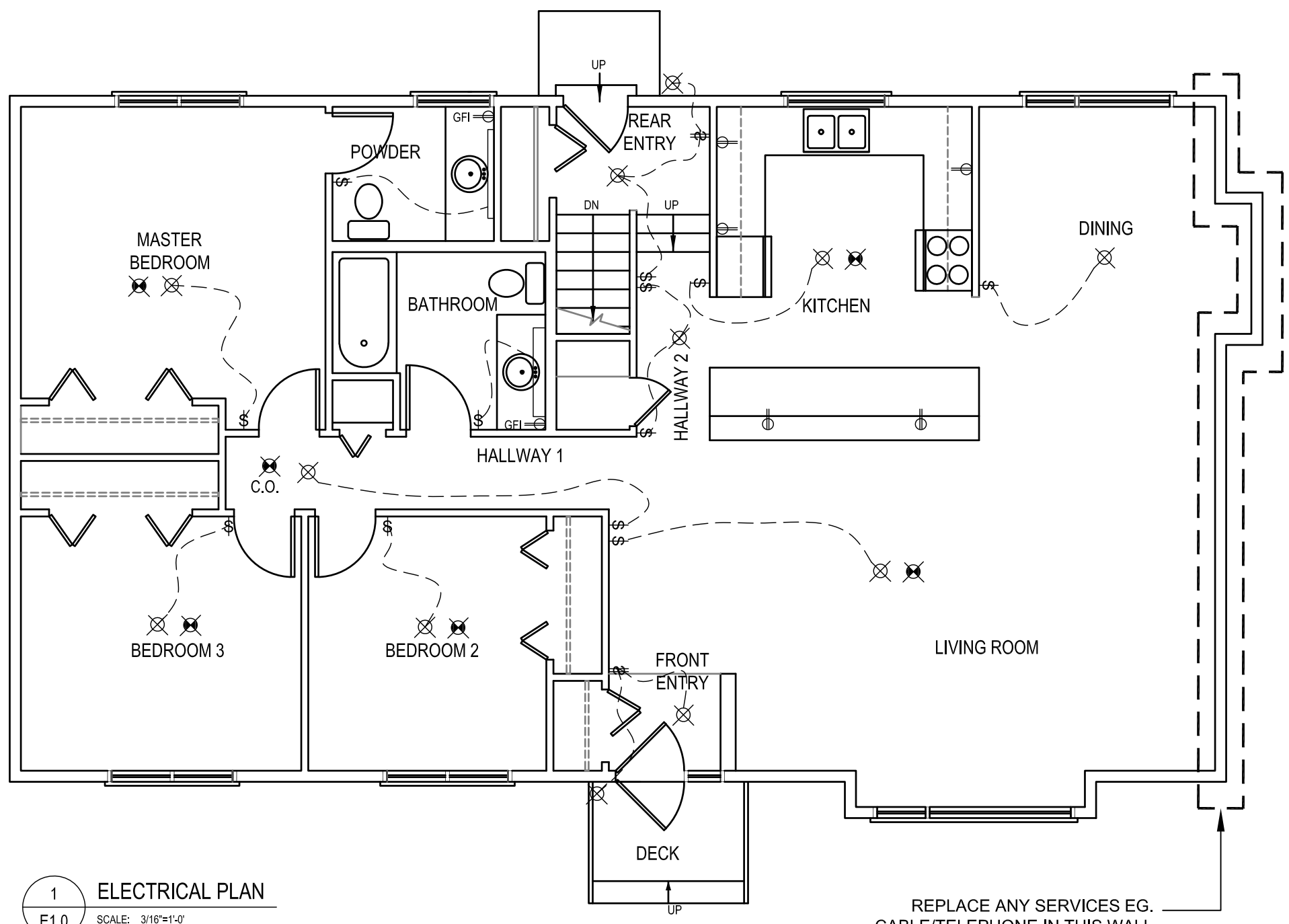
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ELECTRICAL LEGEND:

- CEILING MOUNTED LIGHT FIXTURE
- CEILING MOUNTED LIGHT FIXTURE W/ PULL CORD
- WALL MOUNTED LIGHT FIXTURE
- DUPLEX OUTLET
- WEATHERPROOF OUTLET
- GROUND FAULT INTERRUPT
- SPECIAL 220V OUTLET
- EXHAUST FAN
- SMOKE DETECTOR
- BASEBOARD HEATER
- LIGHT SWITCH
- 2 GANG SWITCH
- 3 GANG SWITCH
- 3 WAY SWITCH
- HEAT VENT

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK TO BE DONE TO LATEST EDITION OF CANADIAN ELECTRICAL CODE
2. REWIRE ALL CEILING LIGHT FIXTURES
3. SUPPLY NEW CEILING LIGHT FIXTURES
4. SUPPLY NEW SMOKE DETECTIONS AS SHOWN
5. REWIRE LIGHTS TO EXISTING SWITCHES
6. INSTALL NEW PLUGS IN KITCHEN AREA AS SHOWN
7. REMOVE ALL RECEPTACLES AND SWITCHES AND REPLACE WITH NEW
8. CABLE AND SATELLITE
 - 8.1. CONTRACTOR TO ALLOW FOR ONE CABLE AND ONE SATELLITE CONNECTION IN EACH BEDROOM AND ONE IN EACH LIVING ROOM. FINAL LOCATIONS TO BE SITE DETERMINED
9. PHONE
 - 9.1. CONTRACTOR TO ALLOW FOR ONE PHONE CONNECTION IN EACH ROOM AND ONE CONNECTION IN THE KITCHEN AND ONE IN THE LIVING ROOM. FINAL LOCATIONS TO BE SITE DETERMINED

1 ELECTRICAL PLAN
 E1.0 SCALE: 3/16"=1'-0"

PROJECT TITLE: **LUNDAR HOUSE RENOVATION**

SHEET TITLE: **ELECTRICAL PLAN**

DATE: 17-07-11

SCALE: AS NOTED

CHECKED BY: RS

DRAWN BY: RQS

LOCATION: LUNDAR, MANITOBA

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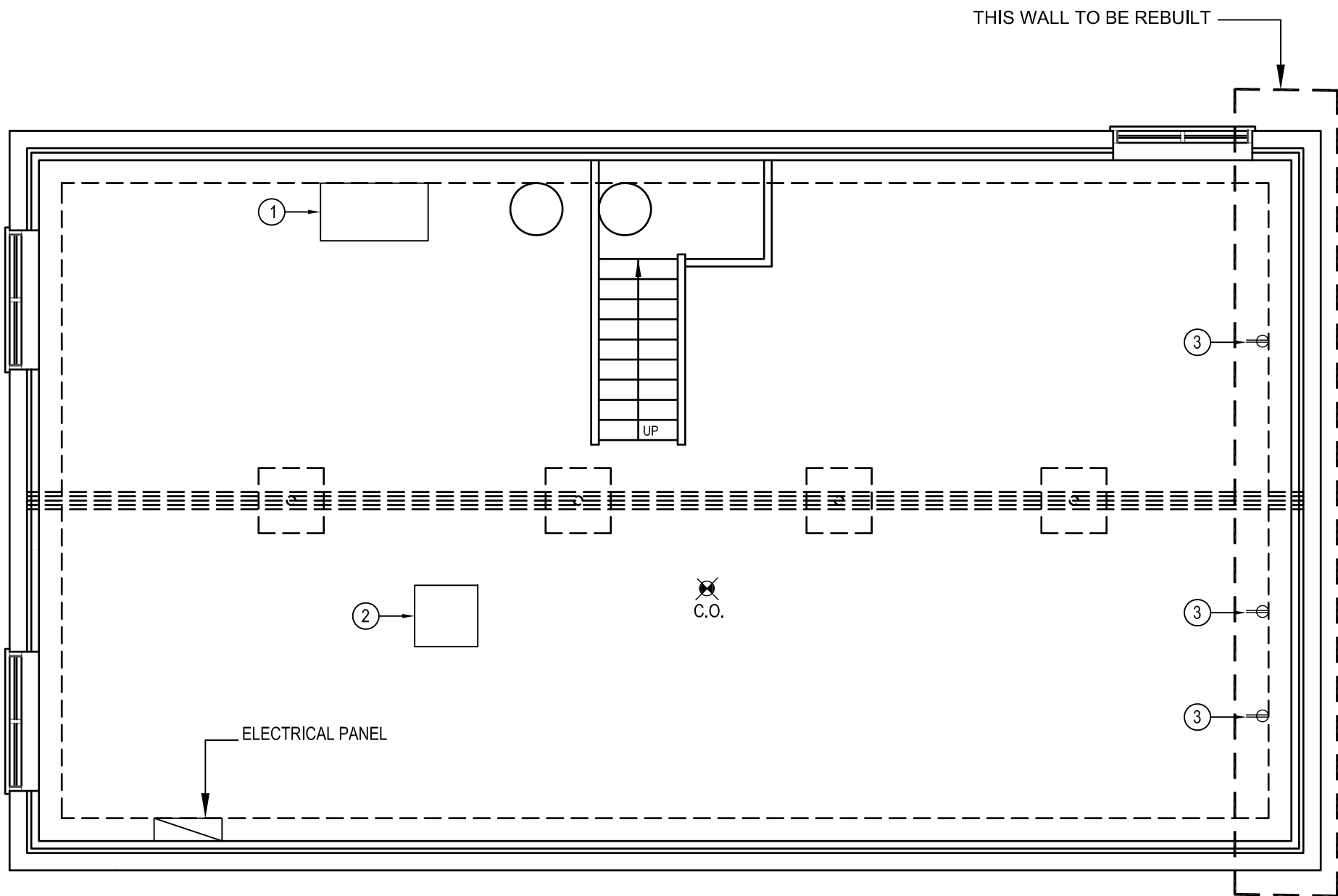
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ELECTRICAL LEGEND:

- ⊕ CELING MOUNTED LIGHT FIXTURE
- ⊕_{PC} CELING MOUNTED LIGHT FIXTURE W/ PULL CORD
- ⊕ WALL MOUNTED LIGHT FIXTURE
- ⊕ DUPLEX OUTLET
- ⊕_{WP} WEATHERPROOF OUTLET
- ⊕_{GFI} GROUND FAULT INTERRUPT
- ⊕ SPECIAL 220V OUTLET
- ⊕ EXHAUST FAN
- ⊗ SMOKE DETECTOR
- ▬ BASEBOARD HEATER
- \$ LIGHT SWITCH
- \$ 2 GANG SWITCH
- \$ 3 GANG SWITCH
- \$₃ 3 WAY SWITCH
- ▬ HEAT VENT

NOTES : (#)

1. WIRE NEW HRV
2. INSTALL AND WIRE NEW FURNACE
3. INSTALL NEW PLUGS

1 ELECTRICAL PLAN
 E1.1 SCALE: 3/16"=1'-0"

PROJECT TITLE
LUNDAR HOUSE RENOVATION

SHEET TITLE
ELECTRICAL PLAN

DATE
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