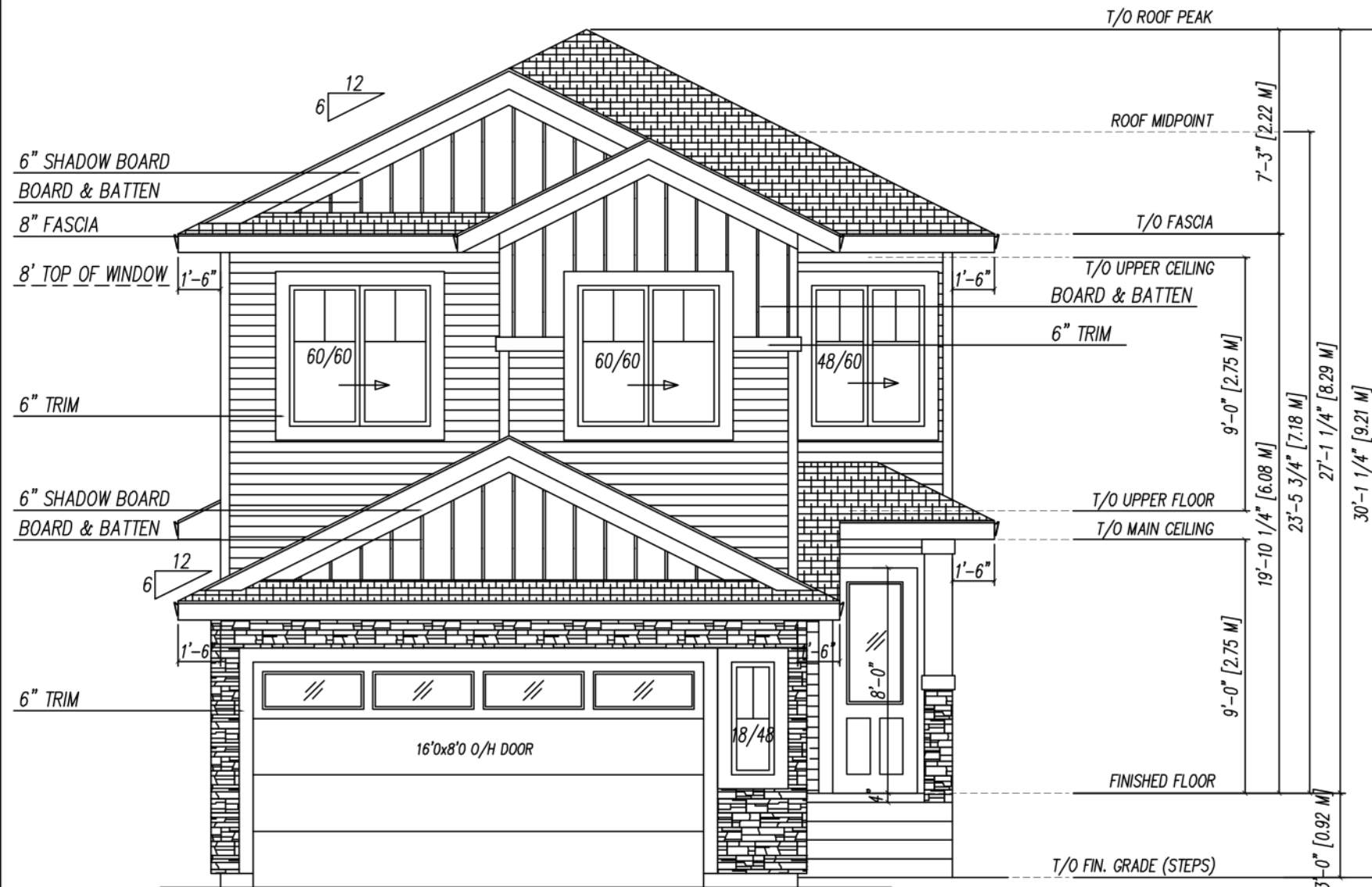
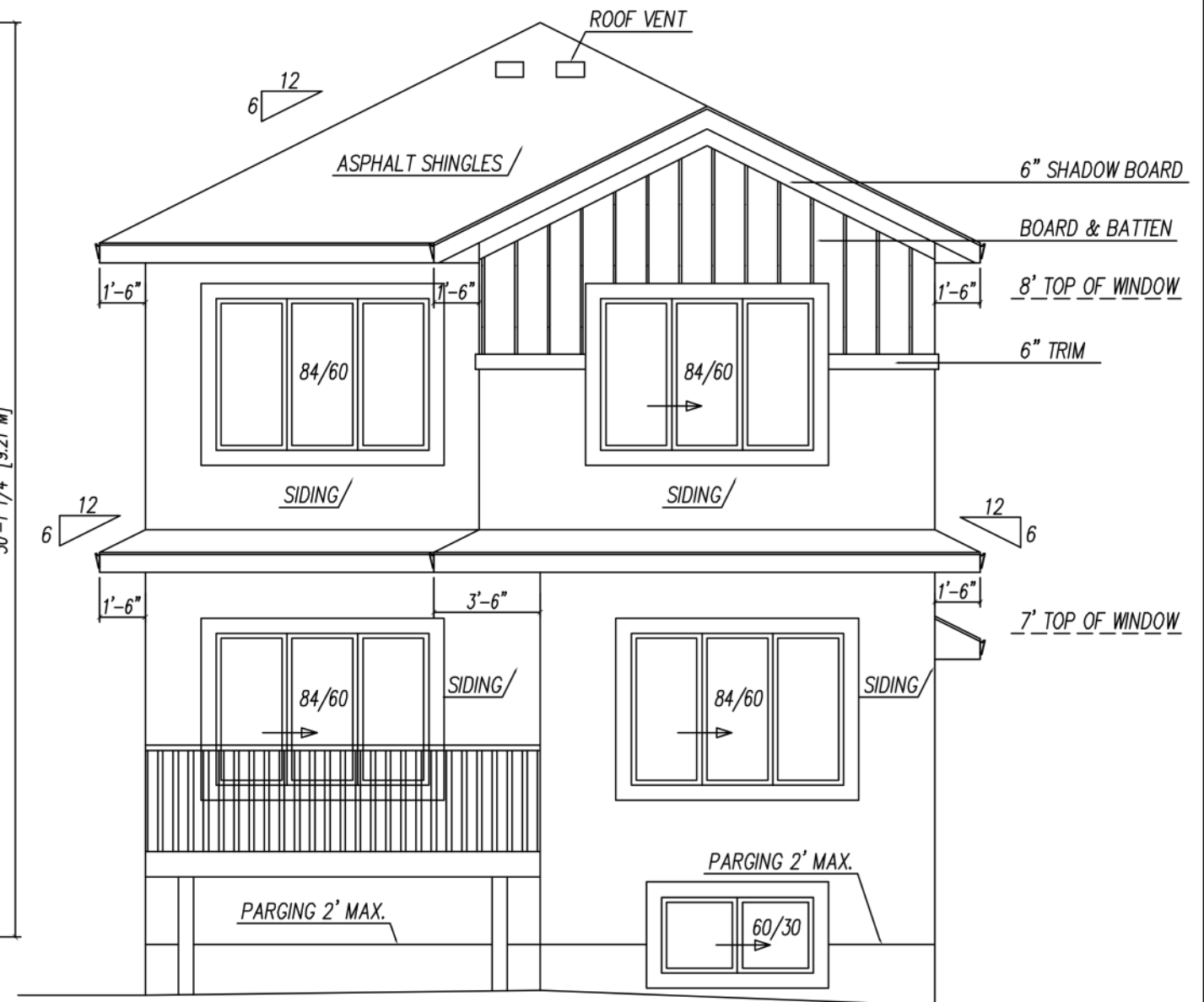




FRONT ELEVATION



REAR ELEVATION

ALL RIGHTS RESERVED, INCLUDING THE RIGHT OF REPRODUCTION IN WHOLE OR IN PART, IN ANY FORM. CONTRACTOR / BUILDER SHALL VERIFY ALL SPECIFICATIONS AND DIMENSIONS BEFORE COMMENCING CONSTRUCTION AND REPORT ANY ERRORS OR OMISSIONS TO THIS OFFICE. ALL DIMENSIONS SHALL BE READ NOT SCALED.

AREA

2097 SQ.FT.

DESIGNED

SCALE
3/16"=1'-0"

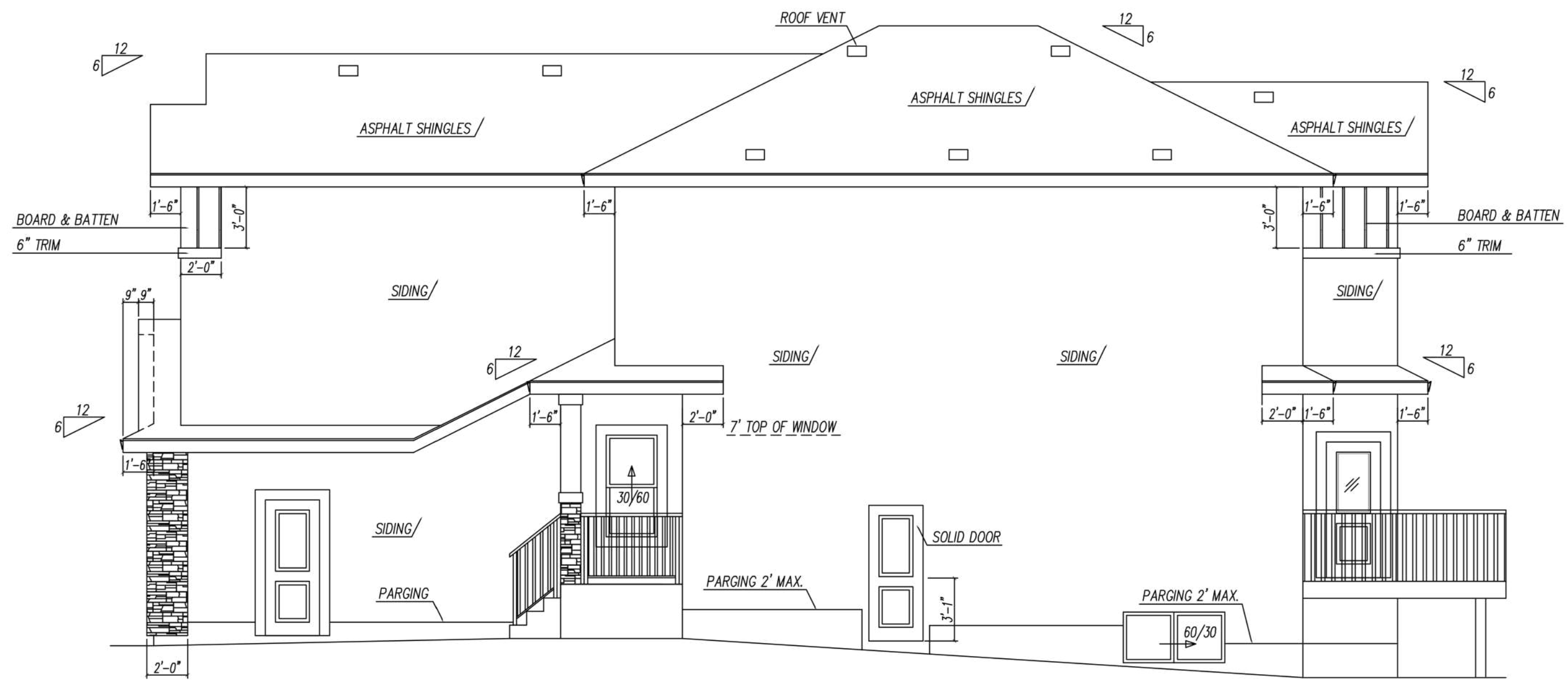
DRAWN

DRAWING NO

DATE

NOV-13-2023

1/7



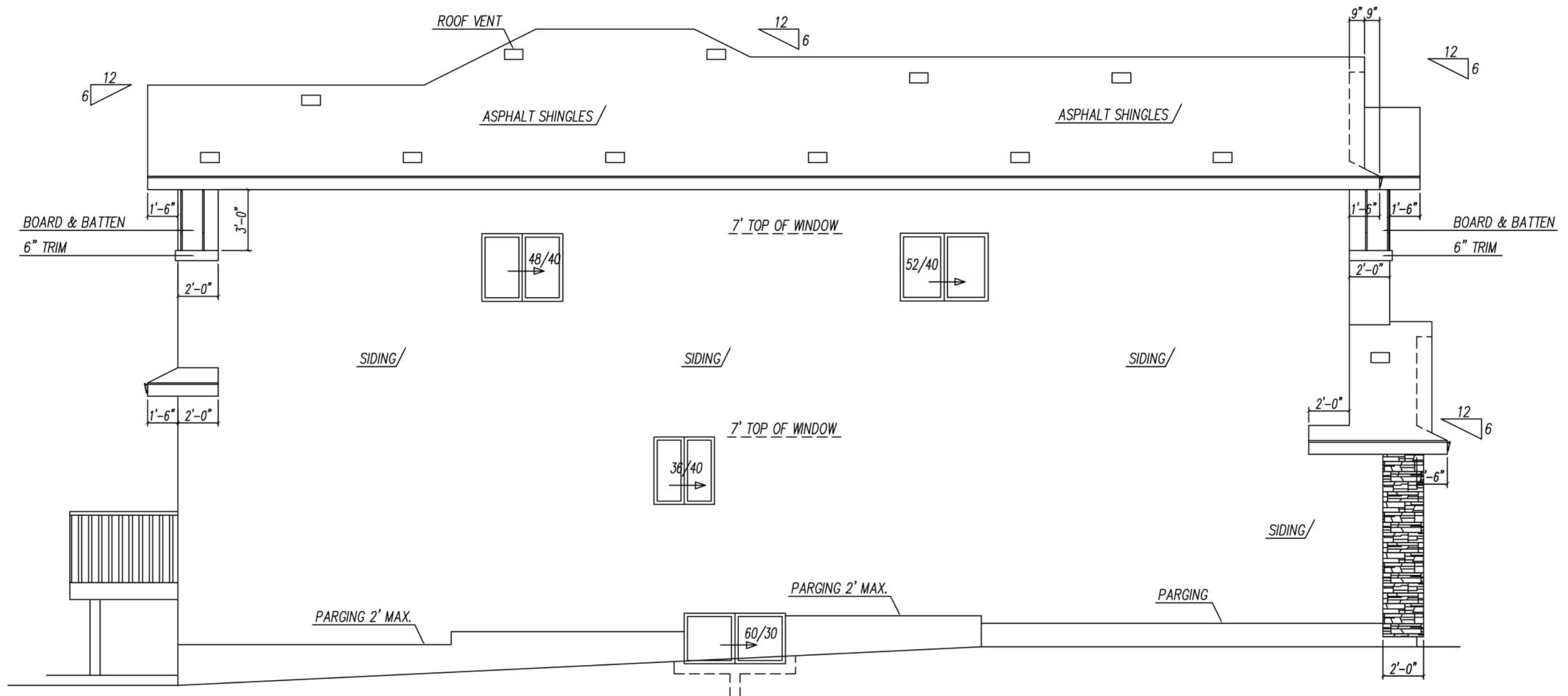
RIGHT ELEVATION

NON HARDENING CAULKING COMPOUND TO BE USED OVER AND AROUND ALL EXTERIOR OPENINGS
PLUMBING ACCESS OF 16"X20" TO BE PROVIDED FOR TUBS AND SHOWERS
PROVIDE FRESH AIR INTAKES FOR FURNACES AND FIREPLACES

ALL WORKMANSHIP TO BE A STANDARD EQUAL IN ALL RESPECTS TO GOOD BUILDING PRACTICE
SIDING/ STUCCO TO BE 6" ABOVE FINISH GRADE
ALL LINTELS TO BE 3-2"X12"
FINISH WOOD RAILINGS, PICKETS MAXIMUM 4" O.C.
PRECAST CONCRETE STEPS, CAPED DRYER VENT

INSULATED ATTIC ACCESS HATCH-20"X28"
LINEN CLOSET -4 SHELVES MIN, 1'-2" DEEP
WASHROOMS TO BE MECHANICALLY VENTED TO STAIR SUPPORT TO BE 4"X4" KILN DRIED SPRUCE POST ON 24"X 24"X 8" CONCRETE FOOTING
PROVIDE AT LEAST ONE AIR EXCHANGE PER HOUR

DESIGNED	SCALE
DRAWN	3/16"=1'-0
DATE	DRAWING NO
	2/7



LEFT ELEVATION

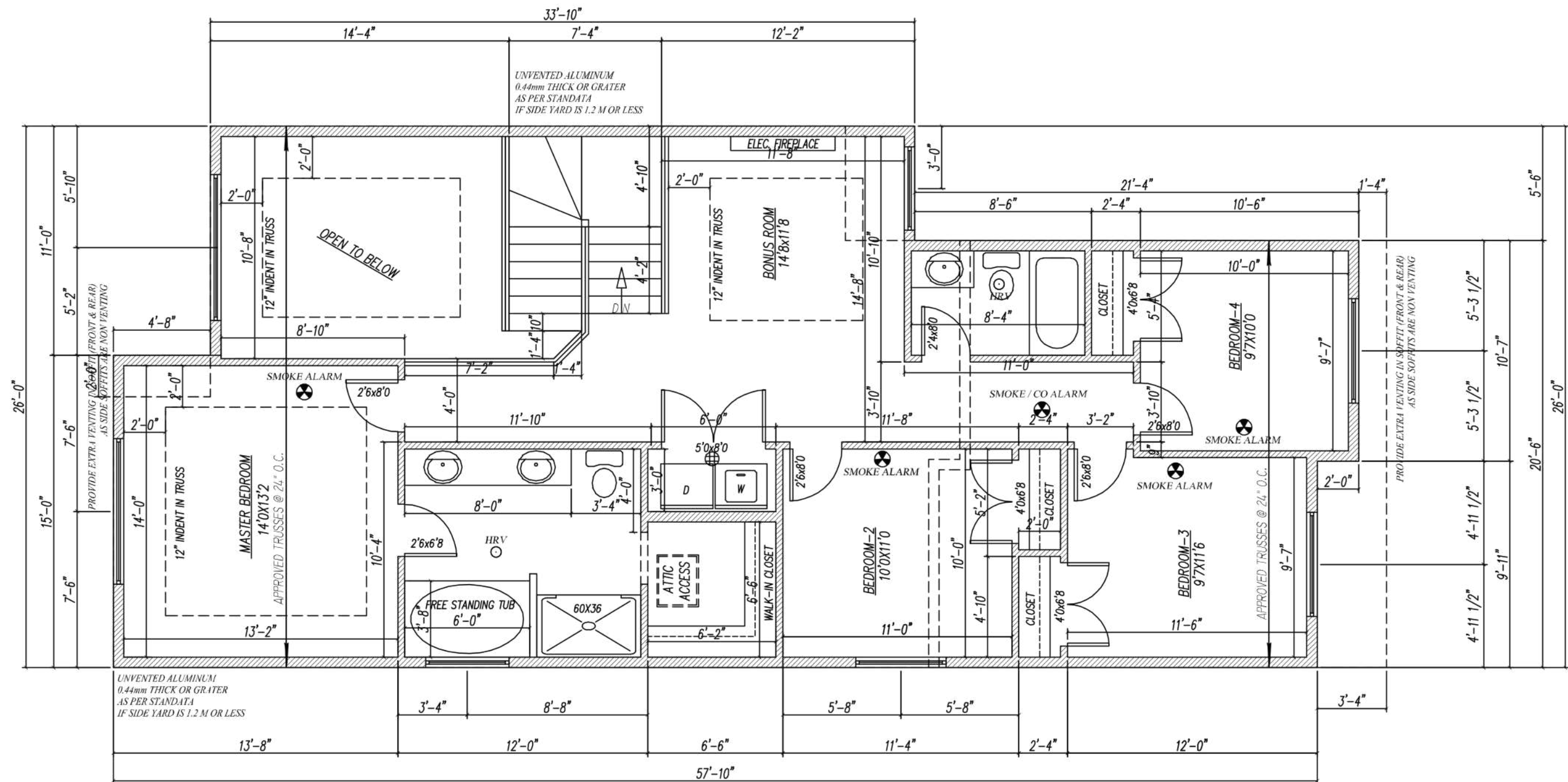
NON HARDENING CAULKING COMPOUND TO BE USED OVER AND AROUND ALL EXTERIOR OPENINGS
PLUMBING ACCESS OF 16"X20" TO BE PROVIDED FOR TUBS AND SHOWERS
PROVIDE FRESH AIR INTAKES FOR FURNACES AND FIREPLACES

ALL WORKMANSHIP TO BE A STANDARD EQUAL IN ALL RESPECTS TO GOOD BUILDING PRACTICE
SIDING/ STUCCO TO BE 6" ABOVE FINISH GRADE
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INSULATED ATTIC ACCESS HATCH-20"X28"
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WASHROOMS TO BE MECHANICALLY VENTED TO STAIR SUPPORT TO BE 4"X4" KILN DRIED SPRUCE
POST ON 24"X 24"X 8" CONCRETE FOOTING
PROVIDE AT LEAST ONE AIR EXCHANGE PER HOUR

DESIGNED	SCALE 3/16"=1'-0
DRAWN	DRAWING NO
DATE	3/7

UPPER FLOOR PLAN 1135 SQ.FT.



NON HARDENING CAULKING COMPOUND TO BE USED OVER AND AROUND ALL EXTERIOR OPENINGS PLUMBING ACCESS OF 16"X20" TO BE PROVIDED FOR TUBS AND SHOWERS PROVIDE FRESH AIR INTAKES FOR FURNACES AND FIREPLACES

ALL WORKMANSHIP TO BE A STANDARD EQUAL IN ALL RESPECTS TO GOOD BUILDING PRACTICE SIDING/ STUCCO TO BE 6" ABOVE FINISH GRADE ALL LINTELS TO BE 3-2"x12" FINISH WOOD RAILINGS, PICKETS MAXIMUM 4" O.C. PRECAST CONCRETE STEPS, CAPED DRYER VENT

INSULATED ATTIC ACCESS HATCH-20"x28" LINEN CLOSET -4 SHELVES MIN, 1'-2" DEEP WASHROOMS TO BE MECHANICALLY VENTED TO STAIR SUPPORT TO BE 4"x4" KILN DRIED SPRUCE POST ON 24"x 24"x 8" CONCRETE FOOTING PROVIDE AT LEAST ONE AIR EXCHANGE PER HOUR

DESIGNED	SCALE 3/16"=1'-0
DRAWN	DRAWING NO
DATE	5/7

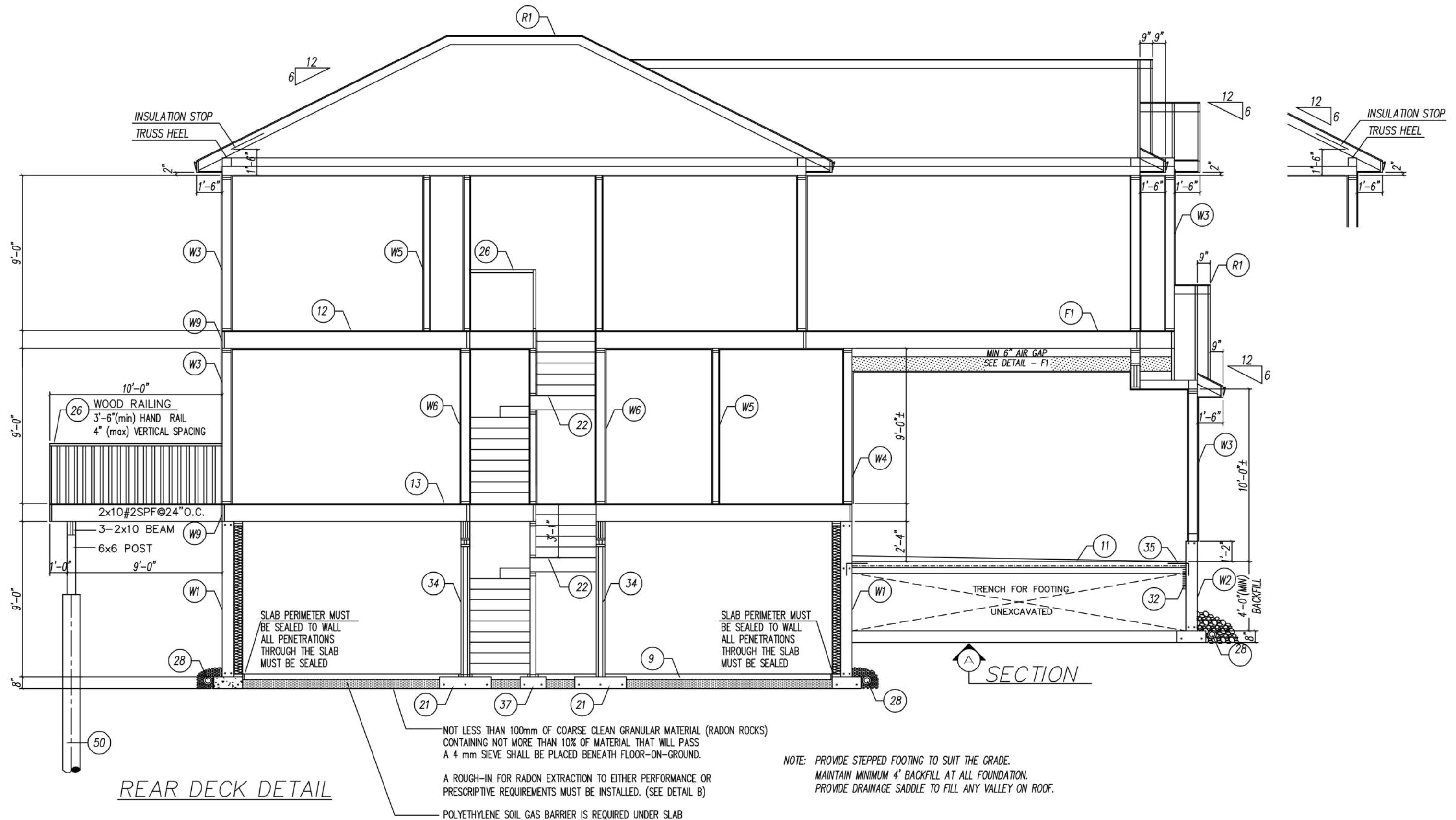
FOUNDATION PLAN

This plan shows the foundation layout for a building. Key features include:

- Dimensions:** Overall dimensions are 61'-2" wide by 26'-0" deep. Internal dimensions for various sections are provided, such as 39'-8" and 17'-10" for the main footprint, and 21'-6" and 16'-0" for the right-hand section.
- Structural Elements:**
 - Walls:** Indicated by thick solid lines. A note specifies "3-2x10 #1 SPR. BM." for a section on the left.
 - Beams:** Engineering Approved Laminated Beams (ENG APP LAM BEAM) are shown as dashed lines.
 - Foundations:** A "TRENCH FOR FOOTING UNEXCAVATED" is shown in the lower right. A note indicates "MIN 4' BACKFILL WING WALL" for a section on the right.
- Mechanical and Electrical Details:**
 - Radon Gas:** Includes a "CENTRE OF FLOOR SLAB FOR RADON GAS PIPE", "EXHAUST PIPE FOR RADON", and a note about "GRANULAR FILL (RADON ROCKS) REQUIRED UNDER SLAB (MIN 100 MM AND LESS THAN 10% OF MATERIAL THROUGH A 4MM SEVE)".
 - HVAC:** Shows "HI-EFC FURN" (High-Efficiency Furnace) and "HRV" (Heat Recovery Ventilator) units.
 - Other:** Includes a "SMOKE/CO ALARM", "SUMP PIT COVER TO BE BRIGHT", "ELEC. PANEL", and "SOIL GAS EXTRACTION ROUGH-IN (SEE DETAIL B)".
- Annotations and Notes:**
 - "ENG FLOOR BY SUPPLIER" is noted in the lower left.
 - "PROVIDE EXTRA VENTING IN SOFFIT (FRONT & REAR) AS SIDE SOFFITS ARE NON VENTING" is noted on the left side.
 - Various callouts (e.g., 9, 11, 21, 34, 35, 36, 37, 42, 50) point to specific structural or mechanical details.

INSULATED ATTIC ACCESS HATCH-20"x28"
LINEN CLOSET -4 SHELVES MIN, 1'-2" DEEP
WASHROOMS TO BE MECHANICALLY VENTED TO
STAIR SUPPORT TO BE 4"x4" KILN DRIED SPRUCE
POST ON 24"x 24"x 8" CONCRETE FOOTING
PROVIDE AT LEAST ONE AIR EXCHANGE PER HOUR

DESIGNED	SCALE 3/16"=1'-0
DRAWN	DRAWING NO
DATE	6/7



NON HARDENING CAULKING COMPOUND TO BE USED OVER AND AROUND ALL EXTERIOR OPENINGS
PLUMBING ACCESS OF 16"x20" TO BE PROVIDED FOR TUBS AND SHOWERS
PROVIDE FRESH AIR INTAKES FOR FURNACES AND FIREPLACES

ALL WORKMANSHIP TO BE A STANDARD EQUAL IN ALL RESPECTS TO GOOD BUILDING PRACTICE
SIDING/ STUCCO TO BE 6" ABOVE FINISH GRADE
ALL LINTELS TO BE 3-2"x12"
FINISH WOOD RAILINGS, PICKETS MAXIMUM 4" O.C.
PRECAST CONCRETE STEPS, CAPED DRYER VENT

INSULATED ATTIC ACCESS HATCH-20"x28"
LINEN CLOSET -4 SHELVES MIN, 1'-2" DEEP
WASHROOMS TO BE MECHANICALLY VENTED TO STAIR SUPPORT TO BE 4"x4" KILN DRIED SPRUCE POST ON 24"x 24"x 8" CONCRETE FOOTING
PROVIDE AT LEAST ONE AIR EXCHANGE PER HOUR

DESIGNED	SCALE 3/16"=1'-0
DRAWN	DRAWING NO
DATE	7/7

SPECIFICATIONS

THE FOLLOWING LIST OF SPECIFICATIONS MAY NOT APPLY TO THE ATTACHED SET OF PLANS IN IT'S ENTIRETY.

W1 FOUNDATION WALL W/FOOTING (HOUSE)-SEE DETAIL W1
8" 32.5 MPA (min) CONCRETE WALL
PARGING ABOVE GRADE
DAMP-PROOFING BELOW GRADE
ON 20"x8" 32.5 MPA(min) CONT. CONCRETE FOOTING
R/F WITH 2-15M CONT.

FROST WALL - SEE DETAIL W1 ON APNDX-2

W2 FOUNDATION WALL W/FOOTING (GARAGE)
8" 32.5 MPA (min) CONCRETE WALL
PARGING ABOVE GRADE
DAMP-PROOFING BELOW GRADE
ON 20"x8" 32.5 MPA(min) CONT. CONCRETE FOOTING
R/F WITH 2-15M CONT.

W3 EXTERIOR WALL (HOUSE & GARAGE)-SEE DETAIL W3
SEE DETAIL W3 ON APNDX-2

W4 WALL (TO GARAGE) SEE DETAIL W4
SEE DETAIL W4 ON APNDX-2

W5 WALL (PARTITION)
1/2" GYPSUM BOARD
2"x4" OR 2"x6" STUDS @ 24" O.C.
1/2" GYPSUM BOARD

W6 WALL (BEARING)
1/2" GYPSUM BOARD
2"x6" OR 2"x8" STUDS @ 16" O.C.
1/2" GYPSUM BOARD

W7 WALL (BEARING) W/FOOTING
1/2" GYPSUM BOARD
2"x6" STUDS @ 16" O.C.
1/2" GYPSUM BOARD
ON 18"x8" 32.5MPA(min) CONT.CONCRETE FOOTING
R/F WITH 2-15M CONT.

W8 TALL WALL-SEE DETAIL W8

W9 RIM BOARD ASSEMBLY SEE DETAIL W9

W10 WALKOUT FOUNDATION AND
UNHEATED FLOOR ABOVE FROST LINE

W11 FOUNDATION WALKOUT EXTERIOR WALL-SEE DETAIL W11

9 FLOOR (BASEMENT)
4" 20MPA (min) CONCRETE SLAB
6mil POLY
NOT LESS THAN 100mm OF COARSE CLEAN
GRANULAR MATERIAL(RADON ROCKS) CONTAINING NOT
MORE THAN 10% OF MATERIAL THAT WILL PASS A 4 mm SIEVE
SHALL BE PLACED BENEATH FLOOR-ON-GROUND.

11 FLOOR (GARAGE)
4" 27.5 MPA (min) CONCRETE SLAB
R/F WITH 6"x6" 8gaww
6mil POLY
6" (min) WELL COMPACTED PIT RUN SAND
SLOPED TO FRONT 3" (min)

12 FLOOR (UPPER LEVEL)
FINISHING FLOOR MATERIALS
5/16" PLYWOOD UNDERLAY
5/8" T.&G. PLYWOOD OR 3/4" OSB SUBFLOOR
DOUGLAS FIR #1&2 OR 1 JOISTS
AS PER FLOOR PLANS
2"x2" X-BRIDGING @ 7'-0" O.C.(max)
1/2" GYPSUM BOARD

13 FLOOR (MAIN LEVEL)
FINISHING FLOOR MATERIALS
5/16" PLYWOOD UNDERLAY
5/8" T.&G. PLYWOOD OR 3/4" OSB SUBFLOOR
DOUGLAS FIR #1&2 OR 1 JOISTS
AS PER FLOOR PLANS
2"x2" X-BRIDGING @ 7'-0" O.C. (max)

R1 ROOF (TRUSS)
ROOFING AS PER ELEVATION
BUILDING PAPER
APPROVED TRUSSES @ 24" OR 16" O.C.
AS PER FLOOR PLANS
CELLULOSE FIBER INSULATION R52
6mil POLY
1/2" CEILING BOARD
C/W 1" FASCIA BOARD
G.I. EAVESTROUGH & R.W.L. TO STORM LINE
SOFFIT VENTED

15 ROOF (FOR DETACHED GARAGE AND COVERED DECK ONLY)
ROOFING AS PER ELEVATION
BUILDING PAPER
APPROVED TRUSSES @ 24" OR 16" O.C.
AS PER FLOOR PLANS
LOOSE FILL R-40 INSULATION
6mil POLY
1/2" CEILING BOARD
C/W 1" FASCIA BOARD
G.I. EAVESTROUGH & R.W.L. TO STORM LINE
SOFFIT VENTED

16 ROOF (RAFTER)
ROOFING AS PER ELEVATION
BUILDING PAPER
DOUGLAS FIR #1&2 RAFTERS OR 1 JOISTS
AS PER FLOOR PLANS
2"x4" STRAPPING @ 24" O.C.
PERPENDICULAR TO AND ON TOP OF RAFTERS
FRICTION FIT R-52 CELLULOSEFIBER INSULATION
6mil POLY
1/2" GYPSUM BOARD

17 GRADE BEAM
R/F WITH 2-15M CONT. TOP & BOTTOM
10M TIES @ 24" O.C.
C/W 4" VOID FORM

21 FOOTING
SIZING VARIES AS PER ENGINEERED COLUMN SPECIFICATION

22 STAIRS
7' 7/7" (max) RISE 10" (min) RUN
11" (min) THREAD 1" NOSING
6'-6" (min) HEAD ROOM
3'-0" RAIL AT LANDING & STAIR
4" (MAX) VERTICAL SPACING
1/2" GYPSUM BOARD FOR
INSULATED STAIRWELLS ONLY

23 PILE
12" O 14'-0" DEEP 32.5 MPA (min) CONCRETE PILE
R/F WITH 3-15M VERTICAL

25 PILE
16" O 16'-0" DEEP 25MPA (min) CONCRETE PILE
R/F WITH 4-15M VERTICAL
10M TIES @ 16" O.C.

26 RAILING
3'-6" (min) HAND RAIL
4" (max) VERTICAL SPACING

27 WASHER / DRYER
PROVIDE HOT & COLD WATER TAPS
AND STAND PIPE FOR WASHER
VENT DRYER TO EXTERIOR

28 WEEPING TILE
4" O WEEPING TILE TO STORM LINE OR SUMP PUMP
COVERED WITH 6" (min) OF CLEAN GRAVEL

29 FLUE
8" O METAL FLUE
2" (min) CLEARANCE TO ALL WOOD

30 DOOR
2'-8" x 6'-8" (min) DOOR
C/W SELF-CLOSER AND WEATHER STRIPPING

32 INSULATION
2" RIGID INSULATION

33 POST
3" O ADJUSTABLE STEEL POST

34 POST
ENGINEERED COLUMN SIZED TO SUIT LOAD

35 DOWEL
2"x6" SOLID BLOCKING @ 48" O.C. AND @ TIER POINTS
15M DOWELS @ 24" O.C. ALL AROUND

36 DOWEL
2-20M DOWELS TOP & BOTTOM

37 FOOTING
18"x 18"x10" 25 MPA (min) CONCRETE FOOTING
R/F WITH 2-15M EACH WAY

41 PILE
8" O 8'-0" DEEP 25MPA (min) CONCRETE PILE
R/F WITH 1-10M VERTICAL

42 DOWEL
2-15M 24" x 24" CORNER BARS TOB @ BOTTOM

48 GRADE BEAM
8"x20 1/2" 25MPA (min) CONT. CONCRETE GRADE BEAM
R/F WITH 2-15M CONT. TOP & BOTTOM
10M TIES @ 24" O.C.
C/W 4" VOID FORM

49 PILE
12" O 12'-0" DEEP 25MPA (min) CONCRETE PILE
R/F WITH 3-10M VERTICAL

50 METAL SCREW PILE
SEE MANUFACTURER DETAIL

GENERAL NOTES:

ALL WORK AND MATERIALS TO COMPLY WITH THE
REQUIREMENTS OF THE BUILDING CODE

ALL SIZES & DIMENSIONS TO BE CONFIRMED BY THE
GENERAL CONTRACTOR ANY DISCREPANCIES TO BE
REPORTED TO THIS OFFICE
OFFICE CLARIFICATION AGREED UPON BEFORE PROCEEDING

FOUNDATION WALLS OF POURED CONCRETE TO BE 8"
THICK AND EXTEND A MINIMUM OF 6" ABOVE FINISHED GRADE
REINFORCED WITH 2 ROWS OF 2-10M.
WALLS SHALL BE DAMPROOFED WITH HEAVY COAT OF
BITUMINOUS OR OTHER DAMPPROOFING MATERIAL.

BASEMENT WINDOWS SHALL BE REINFORCED
AS PER ENGINEERED DETAIL

CONCRETE STRENGTH SHALL NOT BE LESS THAN 20 MPa
(2900 psi.) AFTER 28 DAYS WITH AIR ENTRAINMENT OF
5 TO 8 PERCENT.

ATTIC ACCESS TO BE AT LEAST 20"x28"C/W WEATHER
STRIPPING AND INSULATION
TH BUILDING SITE SHALL BE GRADED SO THAT SURFACE
WATER SHALL NOT ACCUMULATE AT OR NEAR THE BUILDING

END BEARING OF JOISTS AND RAFTERS SHALL NOT BE LESS
THAN 1 1/2"
FLOOR & CEILING JOIST BRIDGING AS PER ENGINEERED DETAIL

CONTINUOUS WOOD STRAPPING
AND IS TO CONSISTS OF CROSS BRIDGING,SOLID BLOCKING OR
DOUBLE FRAMING UNDER ALL PARALLEL PARTITIONS AND
AROND ALL OPENINGS

BUILT-UP BEAMS SHALL ONLY HAVE SPLICES IN ALTERNATE
POINT PAST A POST, EXCEPT AT BEAM ENDS.

FIRE STOPS ARE TO BE PROVIDED AT ALL CONCEALED
SPACES @ FLOOR,CEILING & ROOF LEVELS INCLUDING THE
SPACE BETWEEN THE CHIMNEY FLUE AND SHAFT WHERE IT
PASSES THROUGH FLOOR OR CEILING.

PROVIDE BUILT-UP POSTS OF A WIDTH EQUAL TO THE WIDTH
OF BEAM, WHERE FRAMED INTO INTERIOR OR EXTERIOR WALLS.

ROOF OR ATTIC SPACES IS TO BE PROVIDED WITH AN
UNOBSTRUCTED VENT AREA OF NOT LESS THAN OF THE
INSULATED CEILING AREA,DISTRIBUTED TO PROVIDE GOOD
CROSS VENTILATION.

EXHAUST FROM KITCHEN ARE WASHROOM FANS IS TO BE
DUCTED DIRECTLY TO THE OUTSIDE & DUCT IS TO BE
INSULATED THROUGH UNHEATED SPACE
COMBUSTION AIR IS REQUIRED FOR ALL FUEL FIRED HEATING
APPLIANCES INCLUDING FIRE PLACES INTRODUCED BY INTAKES
OTHER THAN A DOOR OR WINDOW

ALL COMMON HOUSE/ GARAGE WALLS, CEILING AND FLOORS
SHALL BE ONE HOUR FIRERATED.

FOR ATTACHED GARAGES, ANY COMMON WALL IS TO PROVIDE
AN EFFECTIVE BARRIER AGAINST THE PASSAGE OF GAS AND
EXHAUST FUMES. ANY DOOR IS TO BE TIGHT FITTING,
WEATHER STRIPPED ,AND FITTED WITH SELF CLOSING DVICE.

AVOID PACKING CANTILEVERS FULL OF INSULATION LEAVE AN
AIR SPACE BETWEEN SUBFLOOR AND INSULATION FOR WARM
AIR CIRCULATION

INSULATION AND THE BOTTOM OF THE ROOF SHEATHING FOR
ADEQUATE ROOF VENTILATION

AT THE INTERSECTION OF ROOFS PROVIDE SHEET METAL
FLASHING OF ATLEAST 0.013" THICK GALVANIZED STEEL OR
OTHER ACCEPTABLE MATERIAL

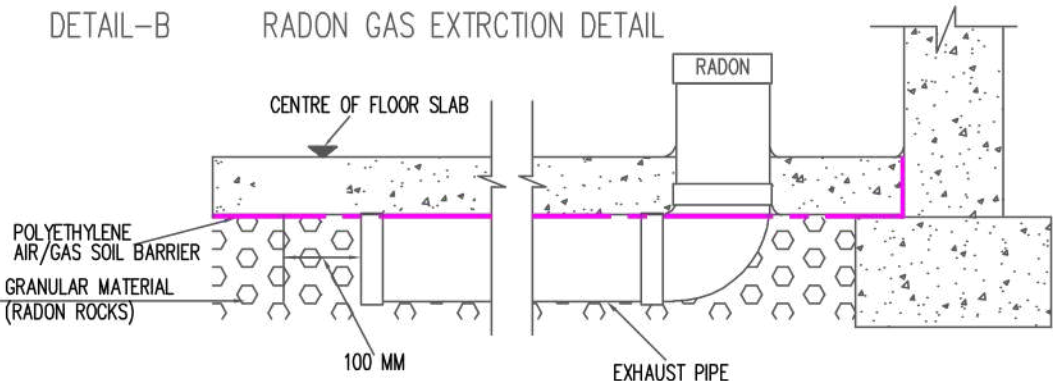
USE 1/2" CD DRYWALL OR 5/8" DRYWALL WHERE TRUSSES
ARE GREATER THAN 16" O.C.
A SMOKE ALARM INSTALLED BY PERMANENT CONNECTIONS
TO A ELECTRICAL CIRCUIT IS TO BE PROVIDED BETWEEN ALL
SLEEPING AREAAS AND THE REMAINDER OF THE HOUSE

NON HARDENING CAULKING COMPOUND TO BE USED
OVER AND AROUND ALL EXTERIOR OPENINGS
PLUMBING ACCESS OF 16"x20" TO BE PROVIDED
FOR TUBS AND SHOWERS
PROVIDE FRESH AIR INTAKES FOR FUR NACES AND FIREPLACES

ALL WORKMANSHIP TO BE A STANDARD EQUAL IN
ALL RESPECTS TO GOOD BUILDING PRACTICE
SIDING/ STUCCO TO BE 6" ABOVE FINISH GRADE
ALL UNTLES TO BE 3-2"x12"
FINISH WOOD RAILINGS, PICKETS MAXIMUM 4" O.C.
PRECAST CONCRETE STEPS.

CAPED DRYER VENT
INSULATED ATTIC ACCESS HATCH-20"x28"
LINEN CLOSET -4 SHELVES MIN, 1'-2" DEEP
WASHROOMS TO BE MECHANICALLY VENTED TO
STAIR SUPPORT TO BE 4"x4" KILN DRIED SPRUCE
POST ON 24"x 24"x 8" CONCRETE FOOTING
PROVIDE @AT LEAST ONE AIR EXCHANGE PER HOUR

DETAIL-B RADON GAS EXTRCTION DETAIL



REVISED
2021-06-12

APNDX-1

PRESCRIPTIVE REQUIREMENTS (SIDING)
THERMAL RESISTANCES FOR ZONE 7A WITH HRV

W1 FOUNDATION WALL W/FOOTING (HOUSE)
RSI 2.98 REQUIRED W/HRV
TABLE A-9.36.2.8.(1)C, A-9.36.2.4.(1)D

	RSI VALUE
8" CONCRETE WALL	0.08
2"x6"STUDS @ 24"O.C.	2.81
&R-20 BATT INSULATION	--
6mil POLYETHYLENE SHEET	0.12
INTERIOR AIR FILM	
EFFECTIVE VALUE	3.01

W3 EXTERIOR WALL (HOUSE & GARAGE)
RSI 2.97 REQUIRED W/HRV
TABLE A-9.36.2.6.(1)B, A-9.36.2.4.(1)D

	RSI VALUE
OUTSIDE AIR FILM	0.03
SIDING	0.11
SHEATHING PAPER	--
3/8" (9.5mm) OSB SHEATHING	0.09
2"x6"STUDS @ 24"O.C.	2.67
&R-22 BATT INSULATION	--
6mil POLYETHYLENE SHEET	0.08
GYPSON BOARD	0.12
INTERIOR AIR FILM	
EFFECTIVE VALUE	3.10

W4 WALL (TO GARAGE)
RSI 2.97 REQUIRED W/HRV
TABLE A-9.36.2.6.(1)B

	RSI VALUE
INTERIOR AIR FILM	0.12
GYPSON BOARD	0.08
6mil POLYETHYLENE SHEET	--
2"x6"STUDS @ 19.2"O.C. (21.5%)	2.73
&R-24 BATT INSULATION (78.5%)	--
AIR BARRIER	0.10
5/8" FIRE RATED GYPSON BOARD	
EFFECTIVE VALUE	3.03

W6 TALL WALL
RSI 2.97 REQUIRED W/HRV
TABLE A-9.36.2.6.(1)B, A-9.36.2.4.(1)D

	RSI VALUE
OUTSIDE AIR FILM	0.03
SIDING	0.11
SHEATHING PAPER	--
3/8" (9.5mm) OSB SHEATHING	0.09
2"x6" @ 8"O.C.&R24	2.54
2"x6" @ 12"O.C.&R24	2.60
2"x6" @ 16"O.C.&R22 (SEE ENGINEER REPORT)	2.55
6mil POLYETHYLENE SHEET	--
1/2" GYPSON BOARD	0.08
INTERIOR AIR FILM	0.12
EFFECTIVE VALUE	2.97 3.03 2.98

W9 RIM BOARD ASSEMBLY, BATT INSULATION,
RSI 2.97 REQUIRED W/HRV
TABLE 9.36.2.6.B

	RSI VALUE
OUTSIDE AIR FILM	0.03
SIDING	0.11
SHEATHING PAPER	--
3/8" (9.5mm) OSB SHEATHING	0.09
1 1/8" PRE-INSULATED RIM BOARD	0.26
11 7/8" ENG. FLOOR JOISTS @ 19.2" O.C.(11.5%) + R20 BATT INSULATION(88.5%)	3.35
6mil POLYETHYLENE SHEET	--
EFFECTIVE VALUE	3.84

R1 CEILING BELOW ATTIC
RSI 8.67 REQUIRED W/HRV
TABLE A-9.36.2.4.(1)A, A-9.36.2.4.(1)D

	RSI VALUE	
OUTSIDE AIR FILM	0.03	
R39 CELLULOSE FIBER INSULATION CONTINUOUS RSI	6.84	OVERALL R VALUE OF INSULATION R52
2X4 BOTTOM CHORD @ 24"O.C.(7%) 3.5" CELLULOSE (RSI 2.22, R13)(93%)	1.95	
6mil POLYETHYLENE SHEET	--	
1/2" CEILING BOARD	0.077	
INTERIOR AIR FILM (HEAT FLOW UP)	0.11	
EFFECTIVE VALUE	9.04	

F1 FLOOR OVER UNHEATED SPACE
RSI 5.02 REQUIRED W/HRV
TABLE A-9.36.2.4.(1)A, A-9.36.2.4.(1)D

	RSI VALUE
INTERIOR AIR FILM (HEAT FLOW DOWN)	0.16
FLOOR FINISH	--
SUBFLOOR	0.17
11 7/8" ENG. FLOOR JOISTS	--
6mil POLYETHYLENE SHEET	--
GYPSON BOARD	0.08
AIR GAP	0.16
2X10 FRAME @24" O.C.(10%) & R-30 BATT INSULATION(90%)	4.54
GYPSON BOARD	0.08
OUTSIDE AIR FILM	0.03
EFFECTIVE VALUE	5.22

W1 FOUNDATION WALKOUT EXTERIOR WALL
RSI 2.97 REQUIRED W/HRV
TABLE A-9.36.2.6.(1)B, A-9.36.2.4.(1)D

	RSI VALUE
OUTSIDE AIR FILM	0.03
SIDING	0.11
SHEATHING PAPER	--
3/8" (9.5mm) OSB SHEATHING	0.09
2"x6"STUDS @ 16"O.C. &R-22 BATT INSULATION	2.55
6mil POLYETHYLENE SHEET	--
GYPSON BOARD	0.08
INTERIOR AIR FILM	0.12
EFFECTIVE VALUE	2.98

UPPER FLOOR-PERPENDICULAR TO JOISTS

	RSI VALUE
OUTSIDE AIR FILM	0.03
SIDING	0.11
SHEATHING PAPER	--
3/8" (9.5mm) OSB SHEATHING	0.09
3 1/2" INSULATED PONY WALL R-20 BATT INSULATION	3.52
6mil POLYETHYLENE SHEET	--
EFFECTIVE VALUE	3.75

UPPER FLOOR-PARALLEL TO JOISTS

	RSI VALUE
OUTSIDE AIR FILM	0.03
SIDING	0.11
SHEATHING PAPER	--
3/8" (9.5mm) OSB SHEATHING	0.09
2"x6"STUDS @ 24"O.C. &R-22 BATT INSULATION	2.67
6mil POLYETHYLENE SHEET	--
GYPSON BOARD	0.08
INTERIOR AIR FILM	0.12
EFFECTIVE VALUE	3.10

NOTES:
ALL WINDOWS MAX USI 1.60, ALTERNATIVE: MIN ER=25
ALL EXTERIOR DOORS MAX USI 1.60
SINGLE EXTERIOR DOOR EXCEPTION MAX USI 2.60

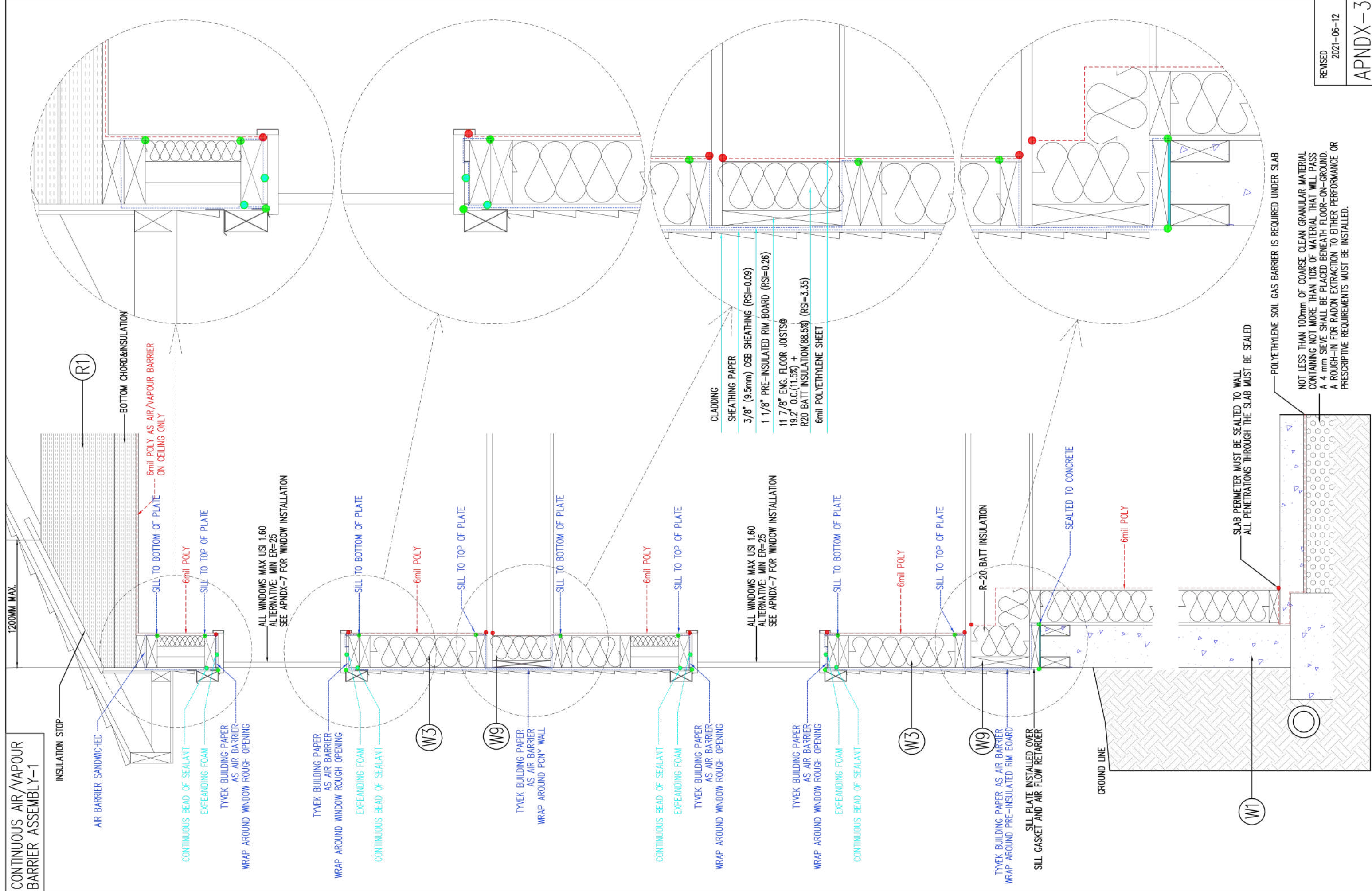
MATERIALS INTENDED TO PROVIDE THE PRINCIPAL
RESISTANCE TO AIR LEAKAGE CONFORM TO
CAN/ULC-S741.

COMPONENT/EQUIPMENT	HEATING/COOLING CAPACITY	STANDARD	MIN PERFORMANCE
GAS-FIRED FORCED AIR FURNACE	<65.9kW[222,000Btu/h]	CAN/CSA-P.2	>=AFUE 92%

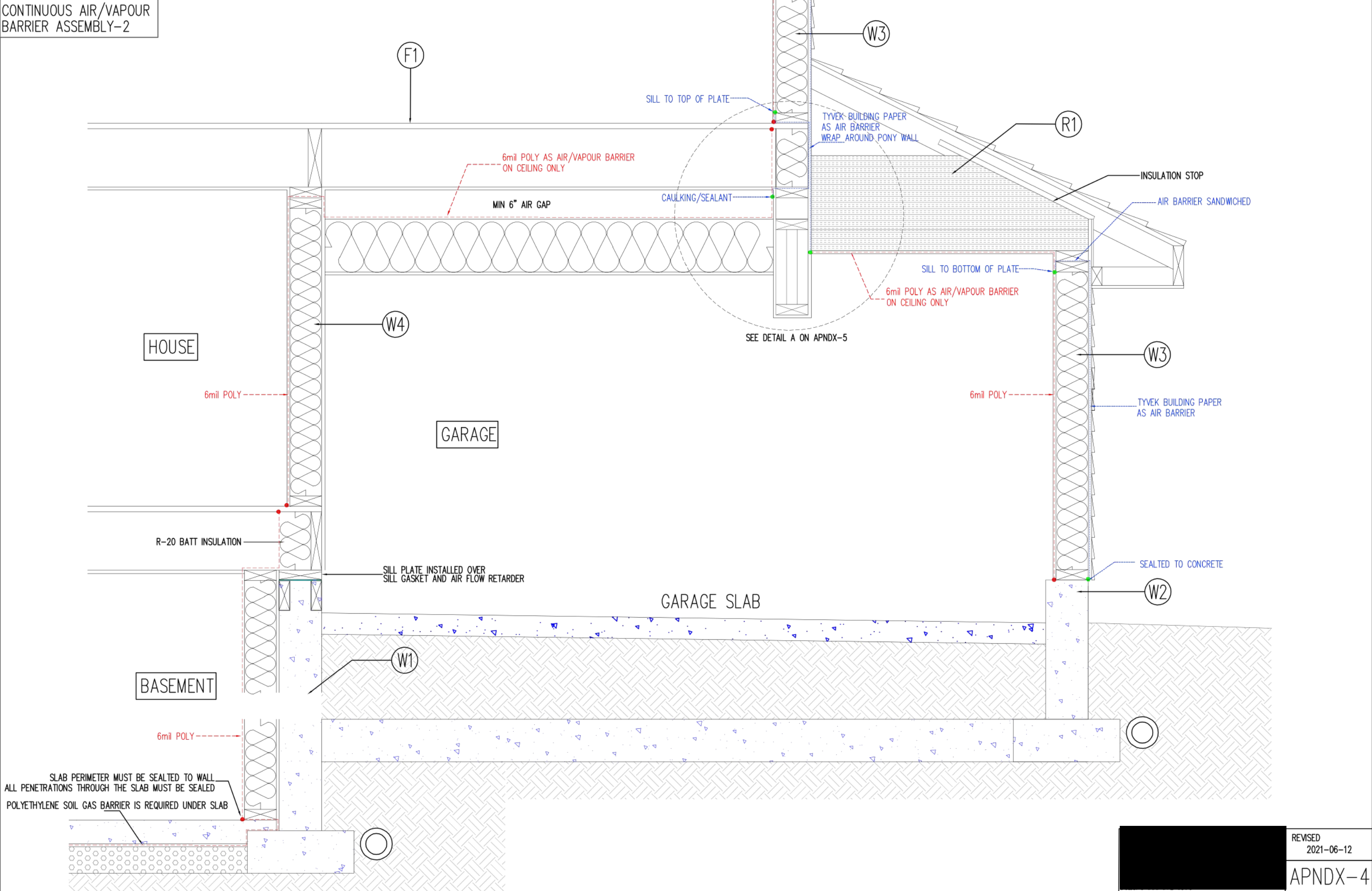
COMPONENT	INPUT	STANDARD	PERFORMANCE REQ'T
GAS-FIRED HOT WATER TANK	<22kW[75,000Btu/h]	CAN/CSA-P.3	EF>=0.67-0.0005V

NOTE: FOR ZERO-LOT-LINE LOT REPLACE WITH
3/8" (9.5mm) OSB SHEATHING RSI(0.093) OR
1/2" GLASS-MAT SHEATHING RSI (0.09)

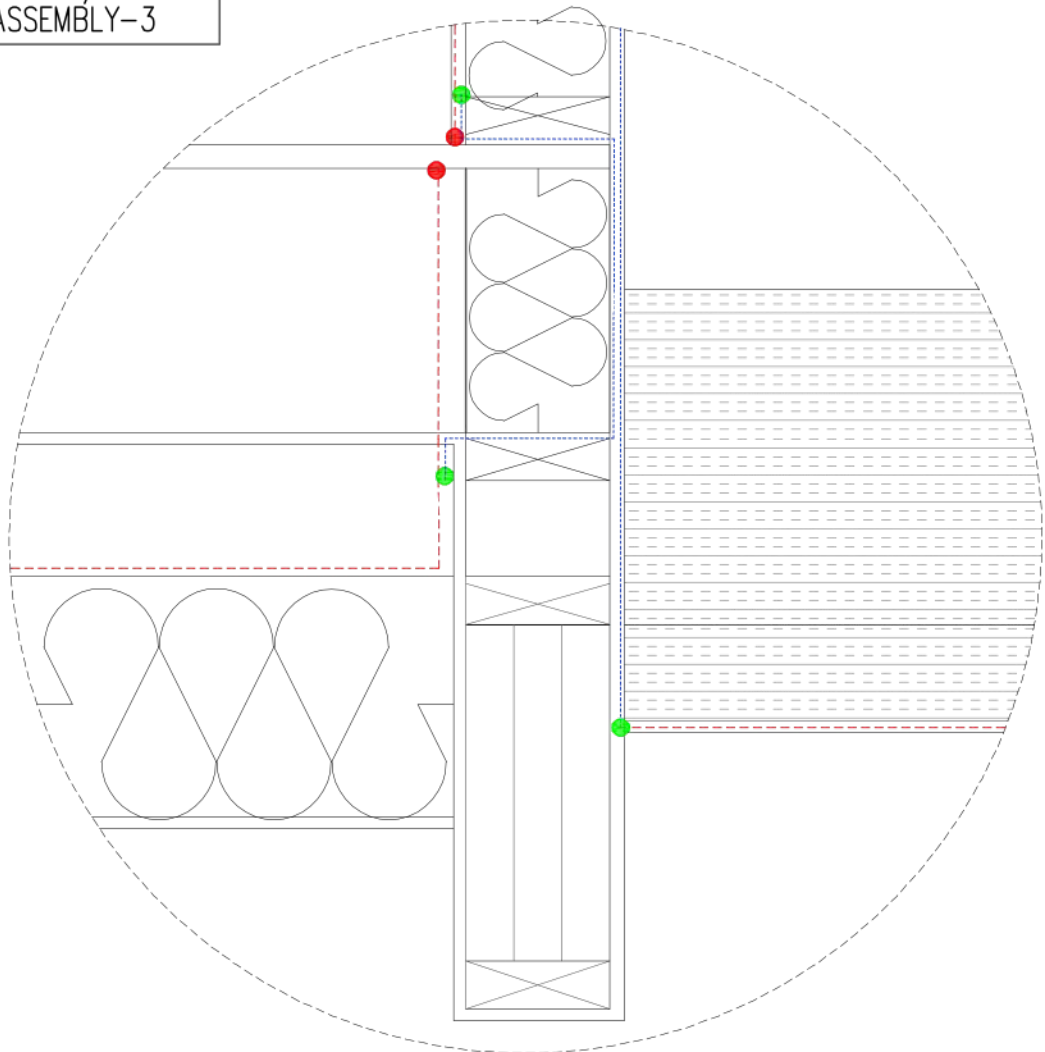
CONTINUOUS AIR/VAPOUR
BARRIER ASSEMBLY-1



CONTINUOUS AIR/VAPOUR
BARRIER ASSEMBLY-2



CONTINUOUS AIR/VAPOUR
BARRIER ASSEMBLY-3



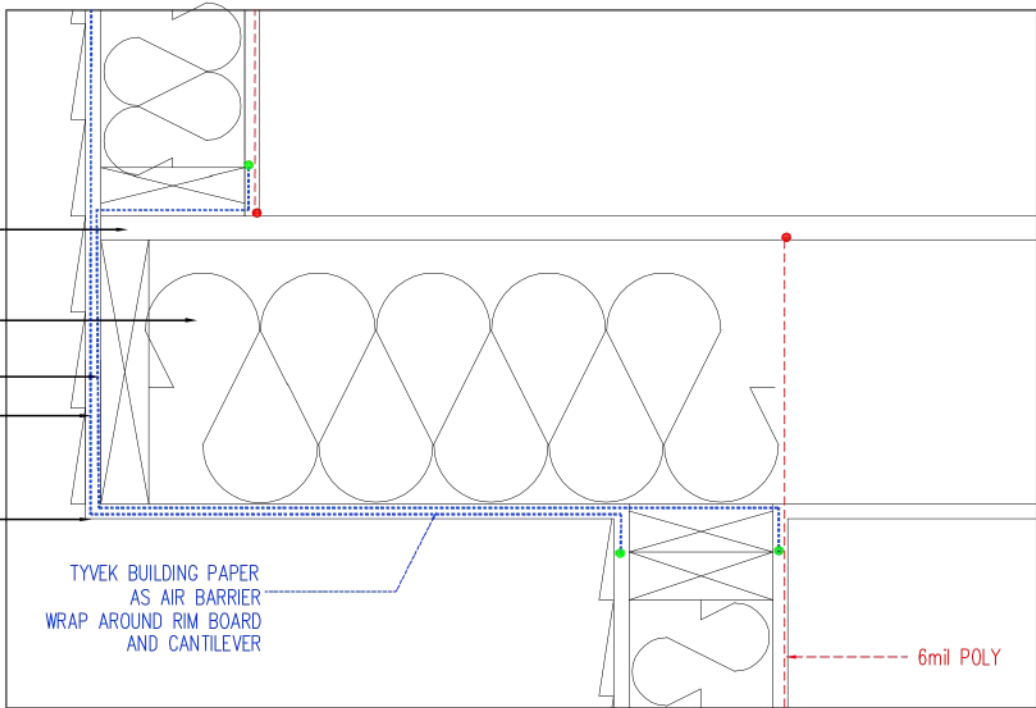
DETAIL A

ATTIC ACCESS DETAIL
CELLULOSE FIBER INSULATION
MIN RSI=2.6 REQUIRED W/HRV

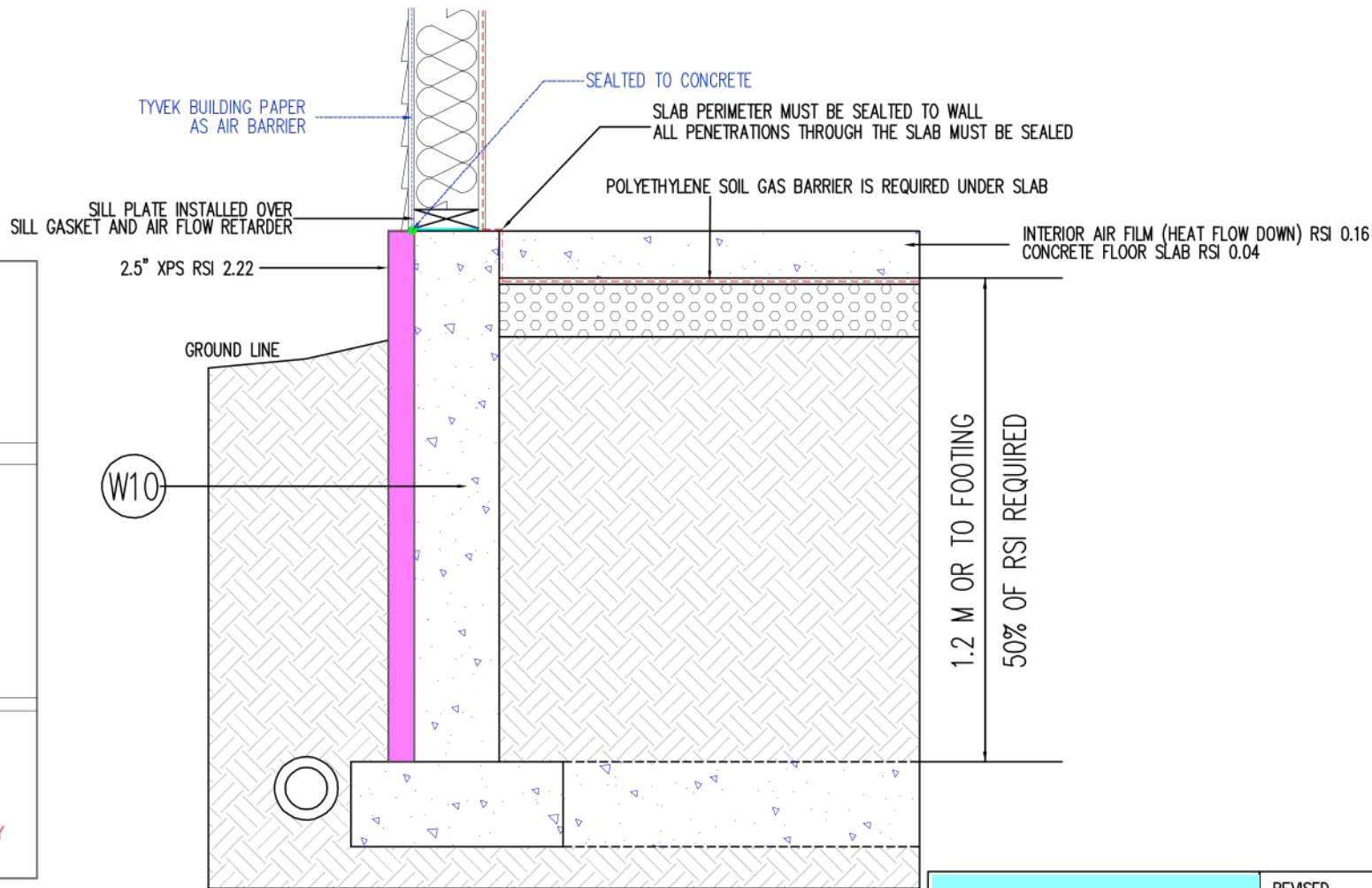
	RSI VALUE
GYPSUM BOARD	0.08
2X6 FRAME(7%)	3.10
R-20 BATT INSULATION(93%)	--
6mil POLYETHYLENE SHEET	0.08
1/2" CEILING BOARD	0.11
INTERIOR AIR FILM (HEAT FLOW UP)	0.11
EFFECTIVE VALUE	3.37

UNHEATED FLOOR – ABOVE FROST LINE
RSI 1.96 REQUIRED W/HRV

- SUBFLOOR (RSI=0.17)
- 11 7/8" ENG. FLOOR JOISTS@ 19.2" O.C.(11.5%) + R30 BATT INSULATION(88.5%) (RSI=4.65)
- 5/8" PLYWOOD OR OSB SHEATHING (RSI=0.135)
- SHEATHING PAPER
- NON VENTED METAL SOFFIT

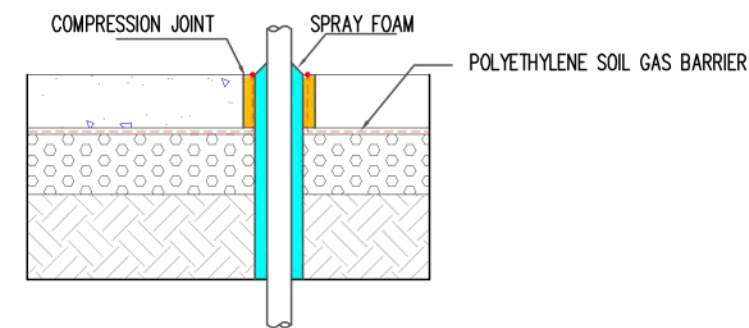


CANTILEVER (MAIN & UPPER FLOOR)

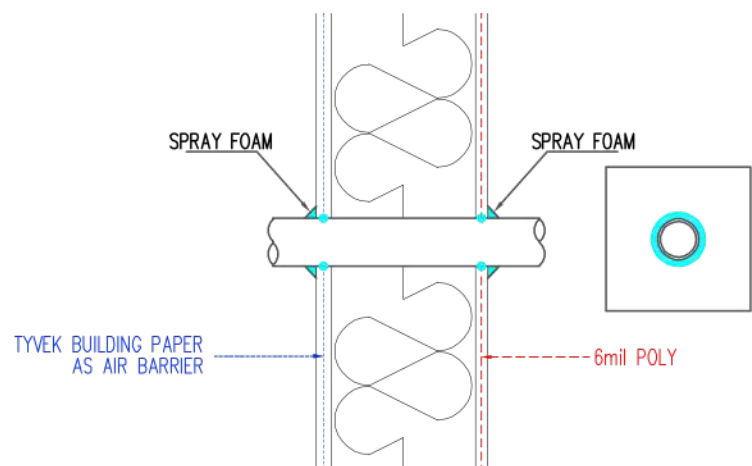


WALKOUT

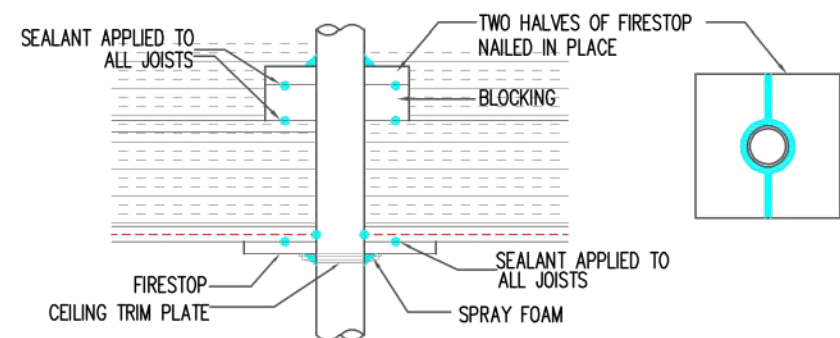
PENETRATION DETAIL



UNDER SLAB PENERATION

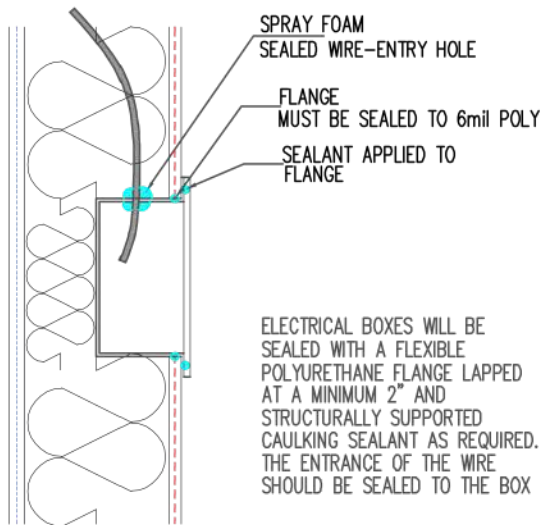


EXTERIOR WALL PENERATION



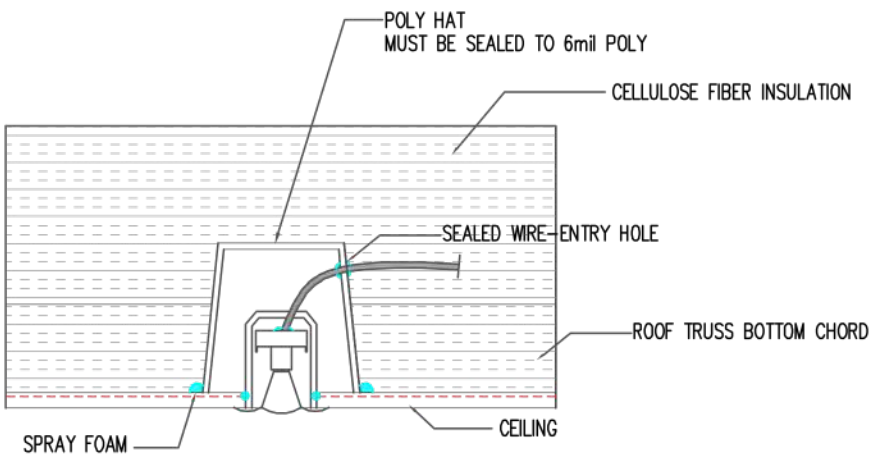
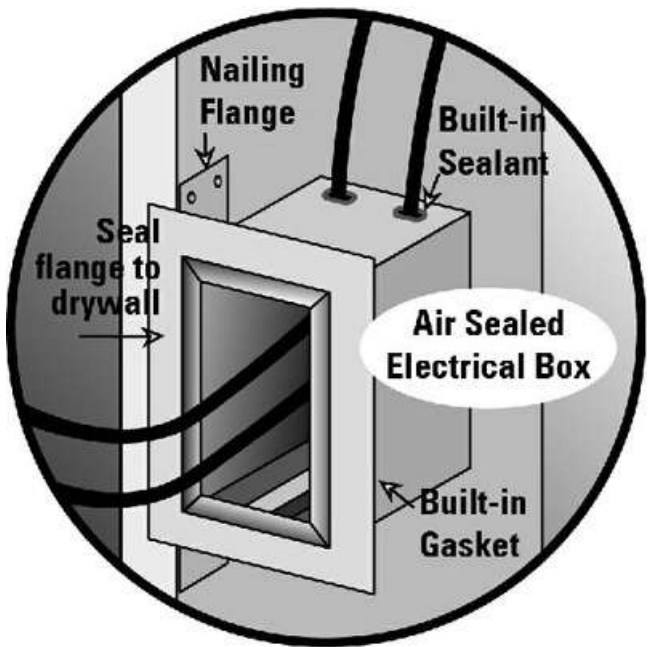
CEILING PENERATION

NOTE:
HEAT DUCT AND COLD AIR RETURNS ARE TO BE PROTECTED WITH A THERMAL BARRIER MINIMUM 1/2 INCH GYPSUM BOARD. METAL IS NOT A RESIDENTIAL TEHRMAL BARRIER.

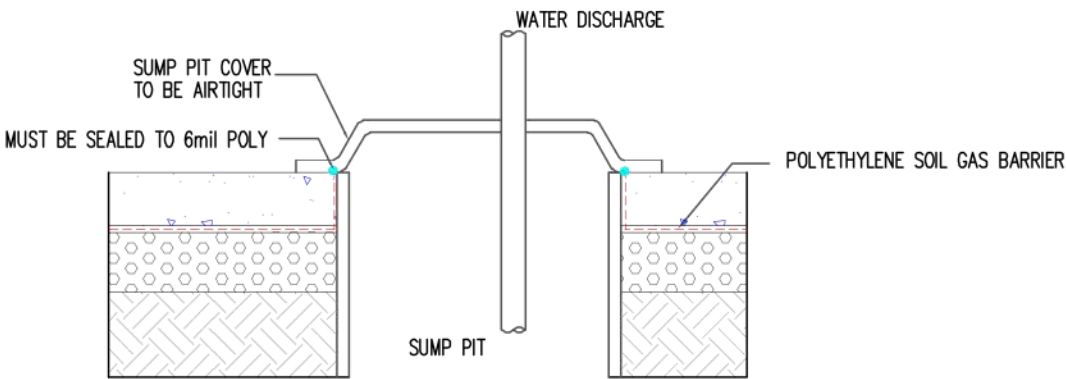


ELECTRICAL BOXES WILL BE SEALED WITH A FLEXIBLE POLYURETHANE FLANGE LAPPED AT A MINIMUM 2" AND STRUCTURALLY SUPPORTED CAULKING SEALANT AS REQUIRED. THE ENTRANCE OF THE WIRE SHOULD BE SEALED TO THE BOX

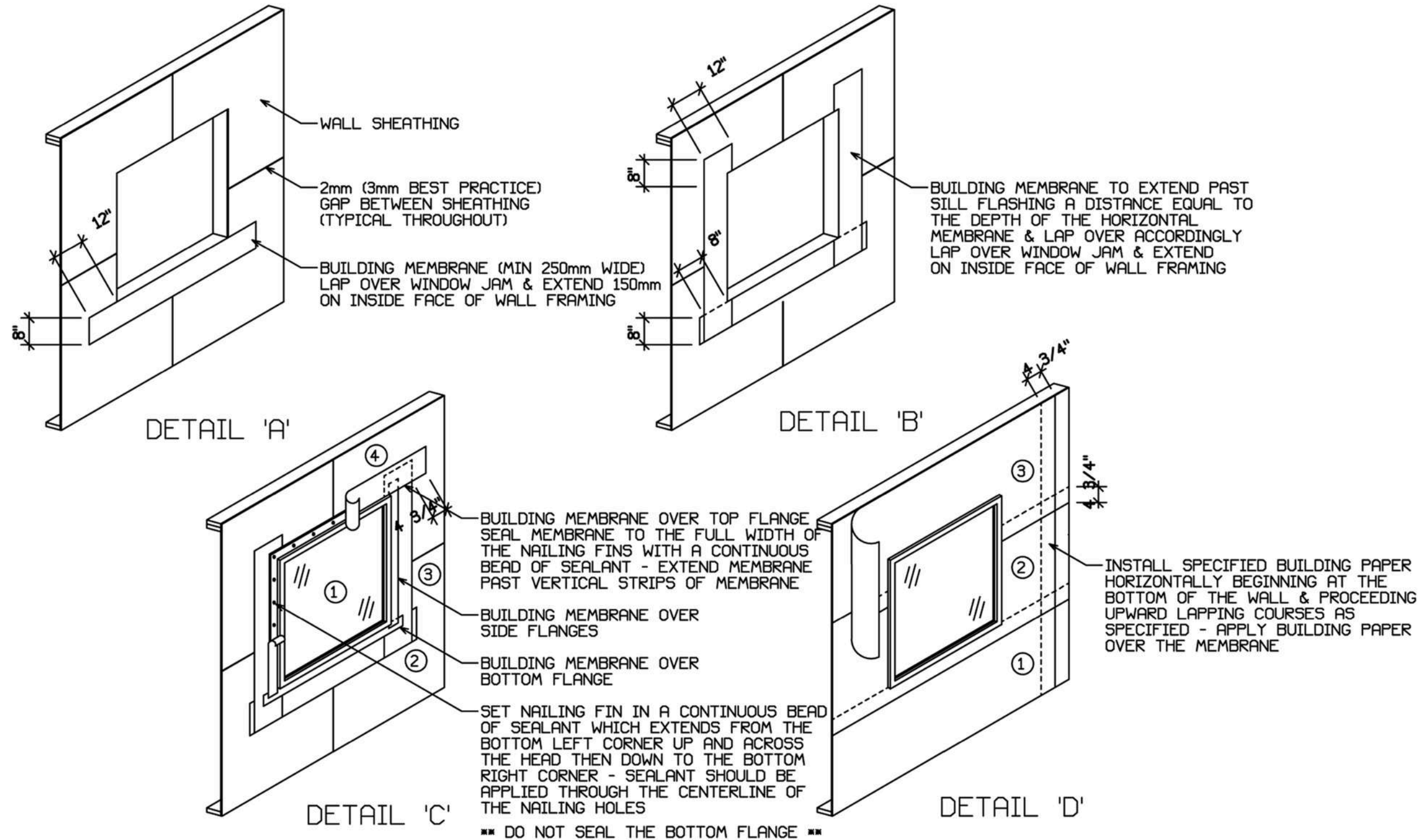
ELECTRICAL BOXES



PLOT LIGHTS



SUMP PIT INSTALLATION



WINDOW INSTALLATION, WALL SHEATHING & WALL SHEATHING MEMBRANE DETAILS NOT TO SCALE