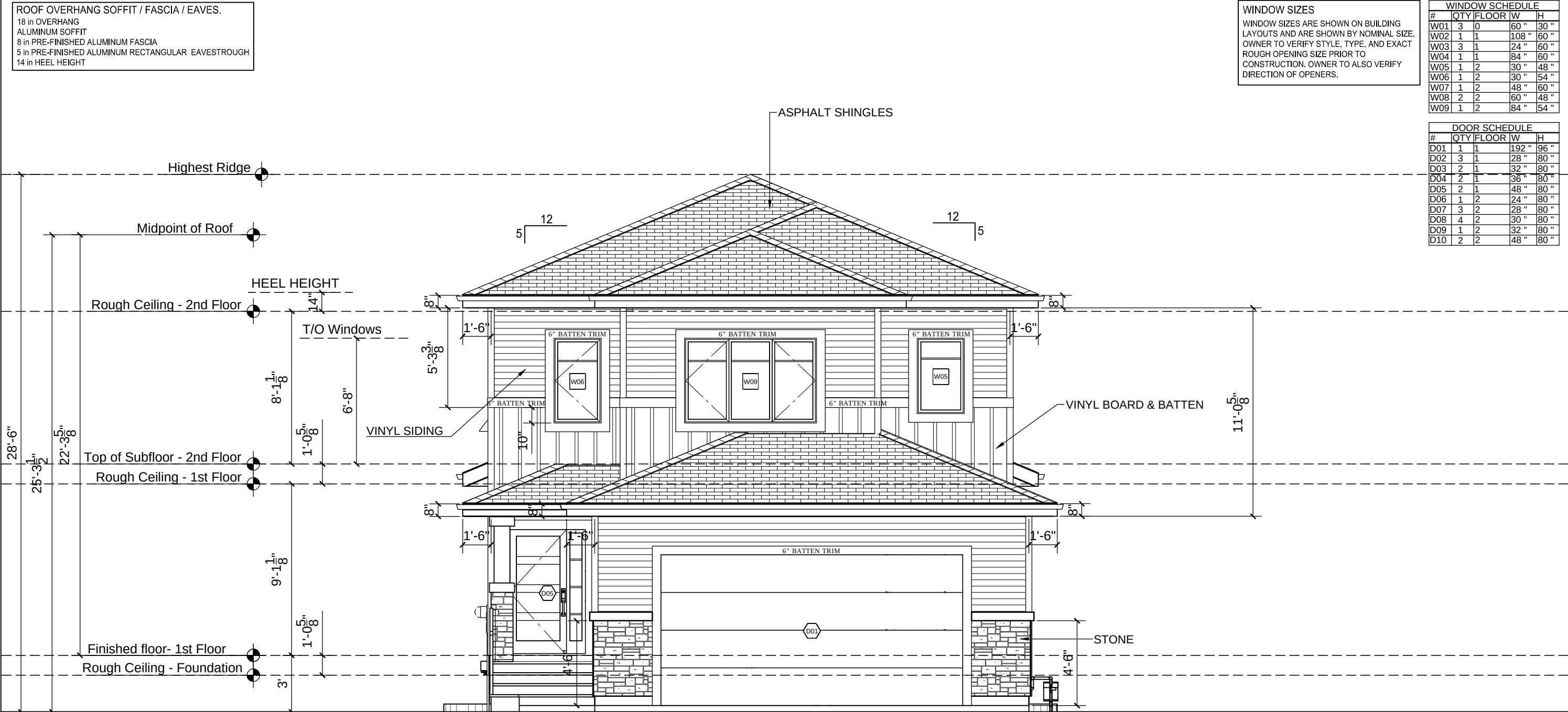
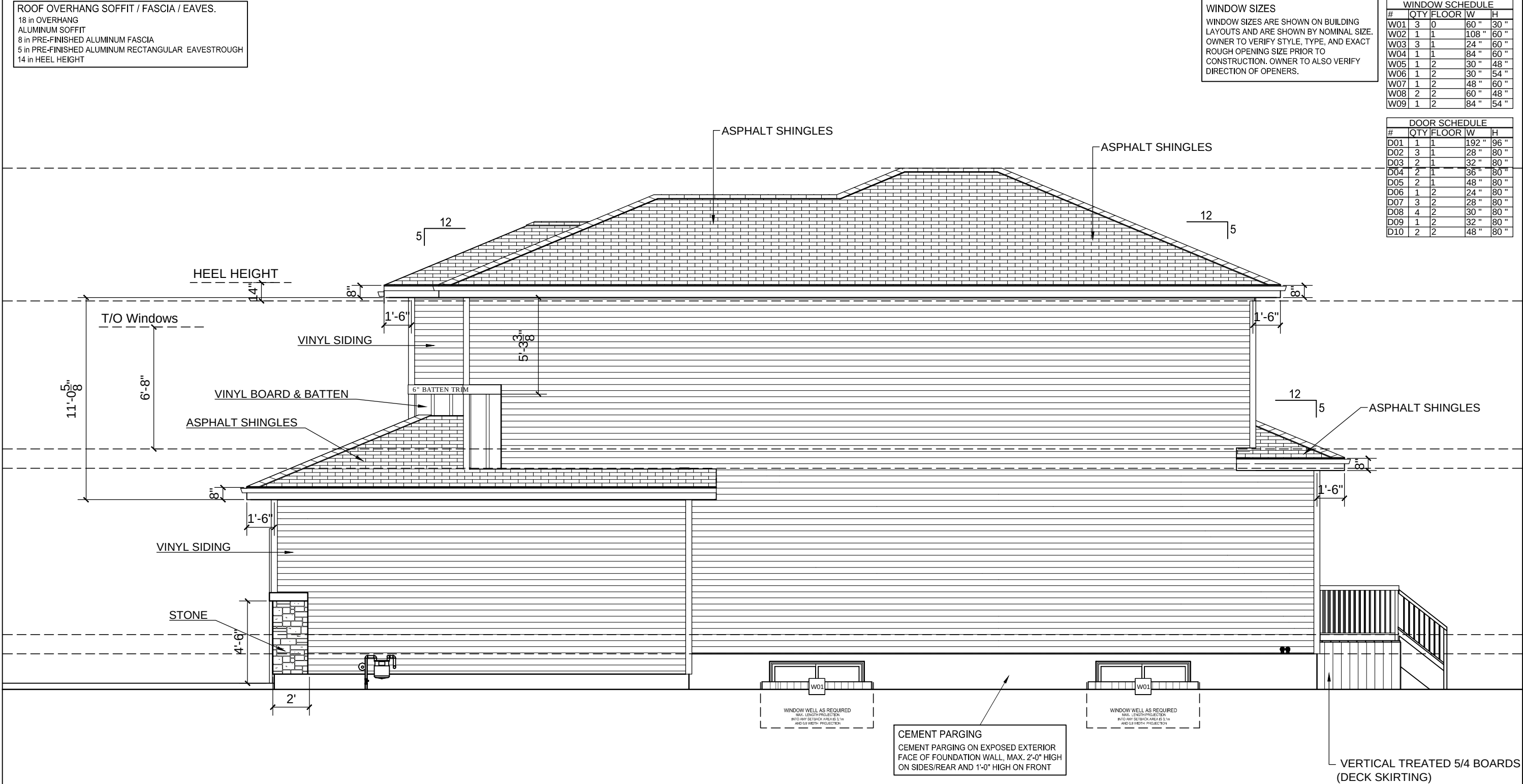


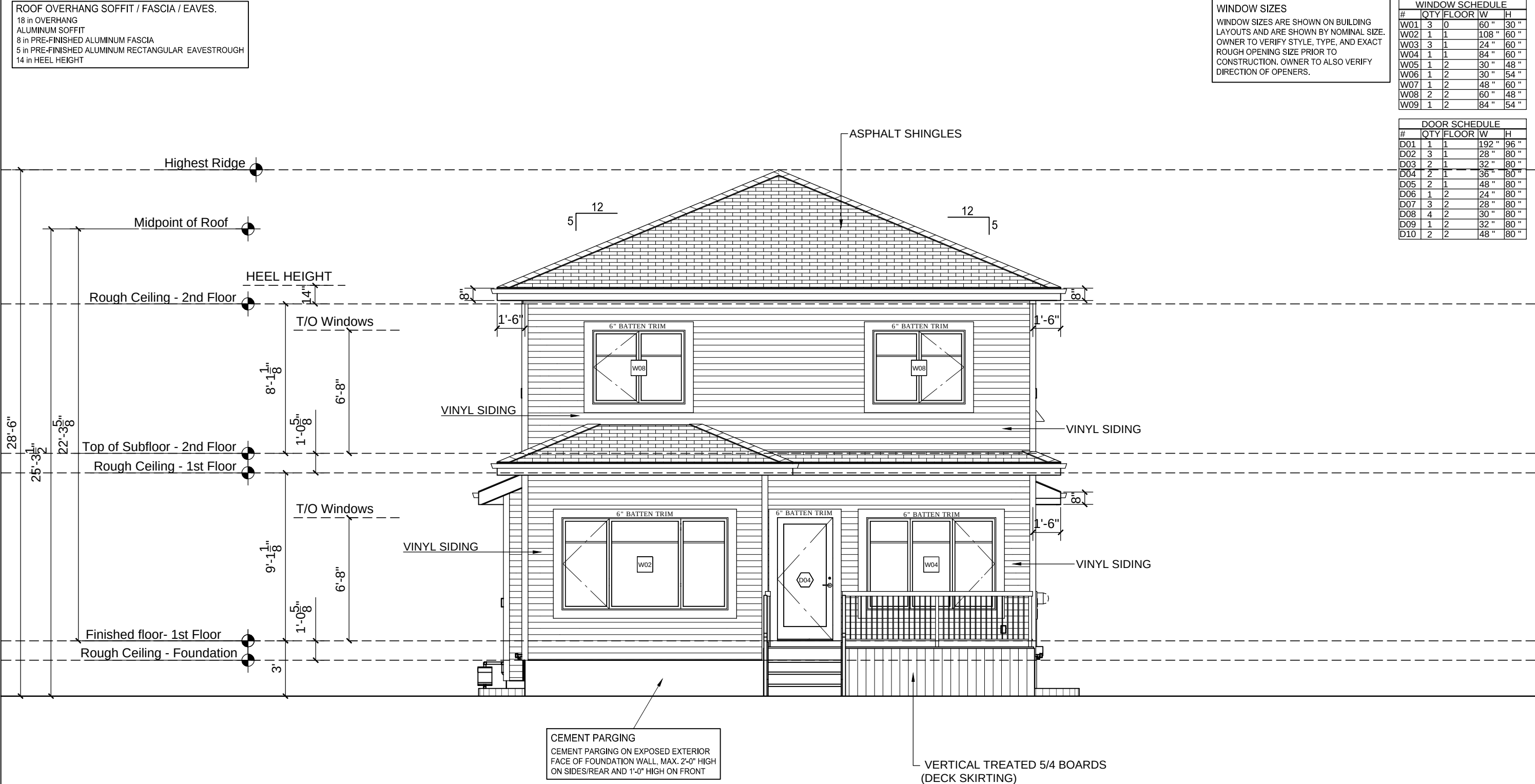


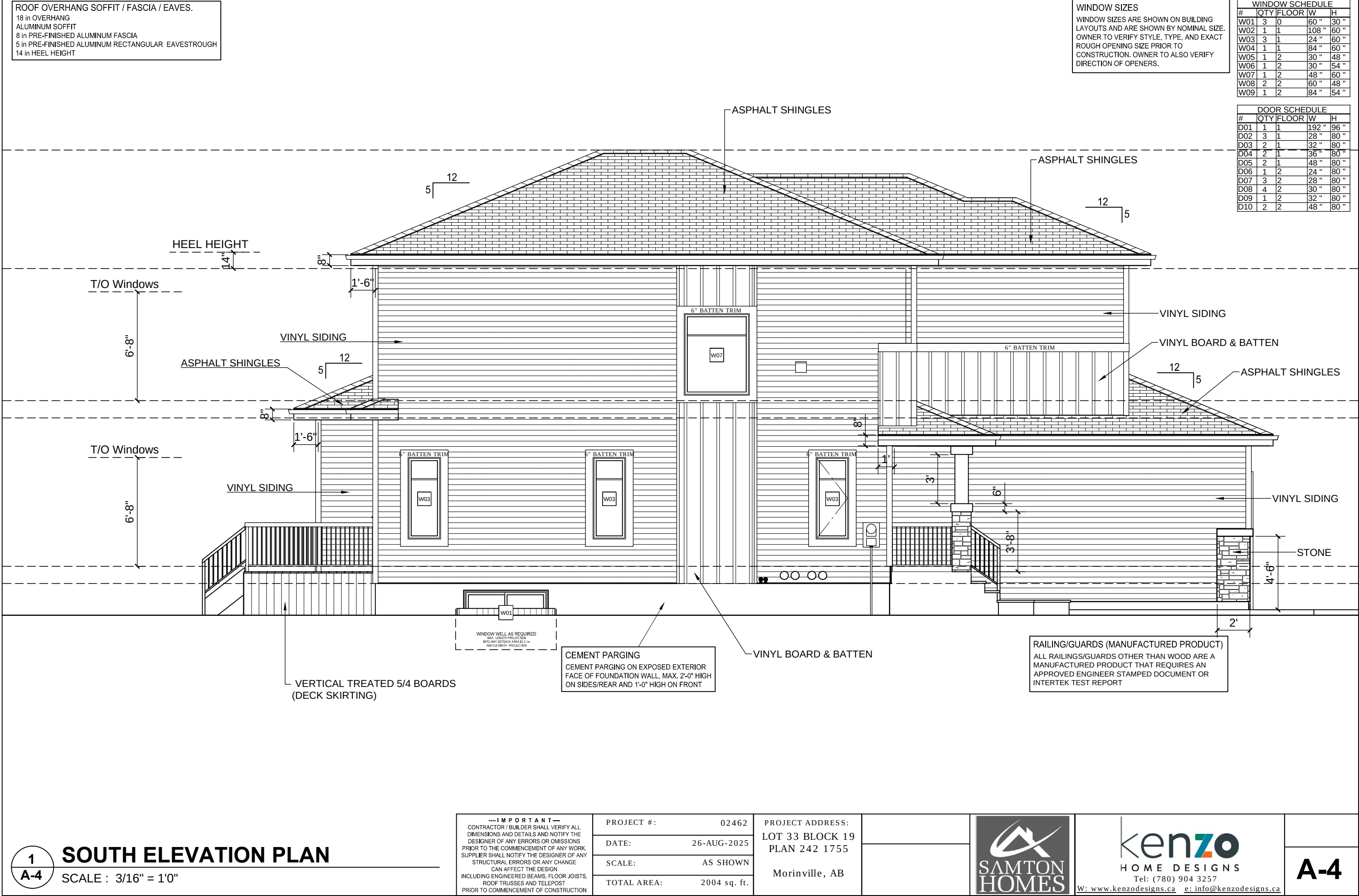


1A-2

NORTH ELEVATION PLAN

SCALE : 3/16" = 1'0"

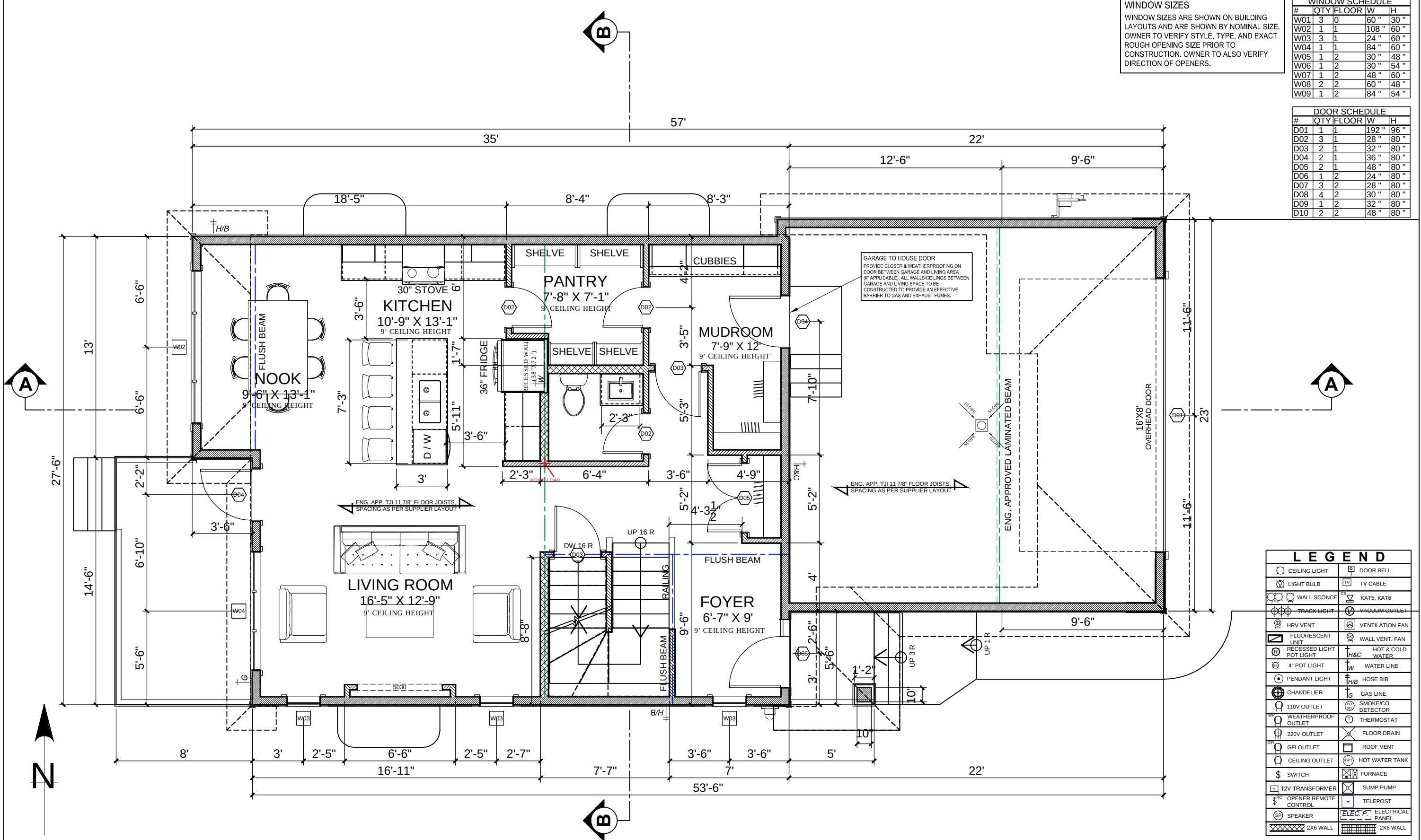




WINDOW SIZES
WINDOW SIZES ARE SHOWN ON BUILDING LAYOUTS AND ARE SHOWN BY NOMINAL SIZE. OWNER TO VERIFY STYLE, TYPE, AND EXACT ROUGH OPENING SIZE PRIOR TO CONSTRUCTION. OWNER TO ALSO VERIFY DIRECTION OF OPENERS.

WINDOW SCHEDULE				
#	QTY	FLOOR	W	H
W01	3	0	60"	30"
W02	1	1	108"	60"
W03	3	1	24"	60"
W04	1	1	84"	60"
W05	1	2	30"	48"
W06	1	2	30"	54"
W07	1	2	48"	60"
W08	2	2	60"	48"
W09	1	2	84"	54"

DOOR SCHEDULE				
#	QTY	FLOOR	W	H
D01	1	1	192"	96"
D02	3	1	28"	80"
D03	2	1	32"	80"
D04	2	1	36"	80"
D05	2	1	48"	80"
D06	1	2	24"	80"
D07	3	2	28"	80"
D08	4	2	30"	80"
D09	1	2	32"	80"
D10	2	2	48"	80"



LEGEND	
	CEILING LIGHT
	LIGHT BULB
	WALL SCONCE
	TRACK LIGHT
	HRV VENT
	FLUORESCENT UNIT
	RECESSED LIGHT POT LIGHT
	4" POT LIGHT
	PENDANT LIGHT
	CHANDELIER
	110V OUTLET
	WEATHERPROOF OUTLET
	220V OUTLET
	GFI OUTLET
	CEILING OUTLET
	SWITCH
	12V TRANSFORMER
	OPENER REMOTE CONTROL
	SPEAKER
	DOOR BELL
	TV CABLE
	KATS, KAT6
	VACUUM OUTLET
	VENTILATION FAN
	WALL VENT. FAN
	HOT & COLD WATER
	WATER LINE
	HOSE BIB
	GAS LINE
	SMOKE/CO DETECTOR
	THERMOSTAT
	FLOOR DRAIN
	ROOF VENT
	HOT WATER TANK
	FURNACE
	SUMP PUMP
	TELEPOST
	ELECTRICAL PANEL
	2X6 WALL
	2X8 WALL

1
A-5

MAIN FLOOR PLAN - 912 sq. ft.

SCALE : 3/16" = 1'0"

.....IMPORTANT.....

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INCLUDING ENGINEERED BEAMS, FLOOR JOISTS, ROOF TRUSSES AND TELEPOST PRIOR TO COMMENCEMENT OF CONSTRUCTION

PROJECT #:	02462	PROJECT ADDRESS:	LOT 33 BLOCK 19 PLAN 242 1755
DATE:	26-AUG-2025		
SCALE:	AS SHOWN		
TOTAL AREA:	2004 sq. ft.		

Morinville, AB

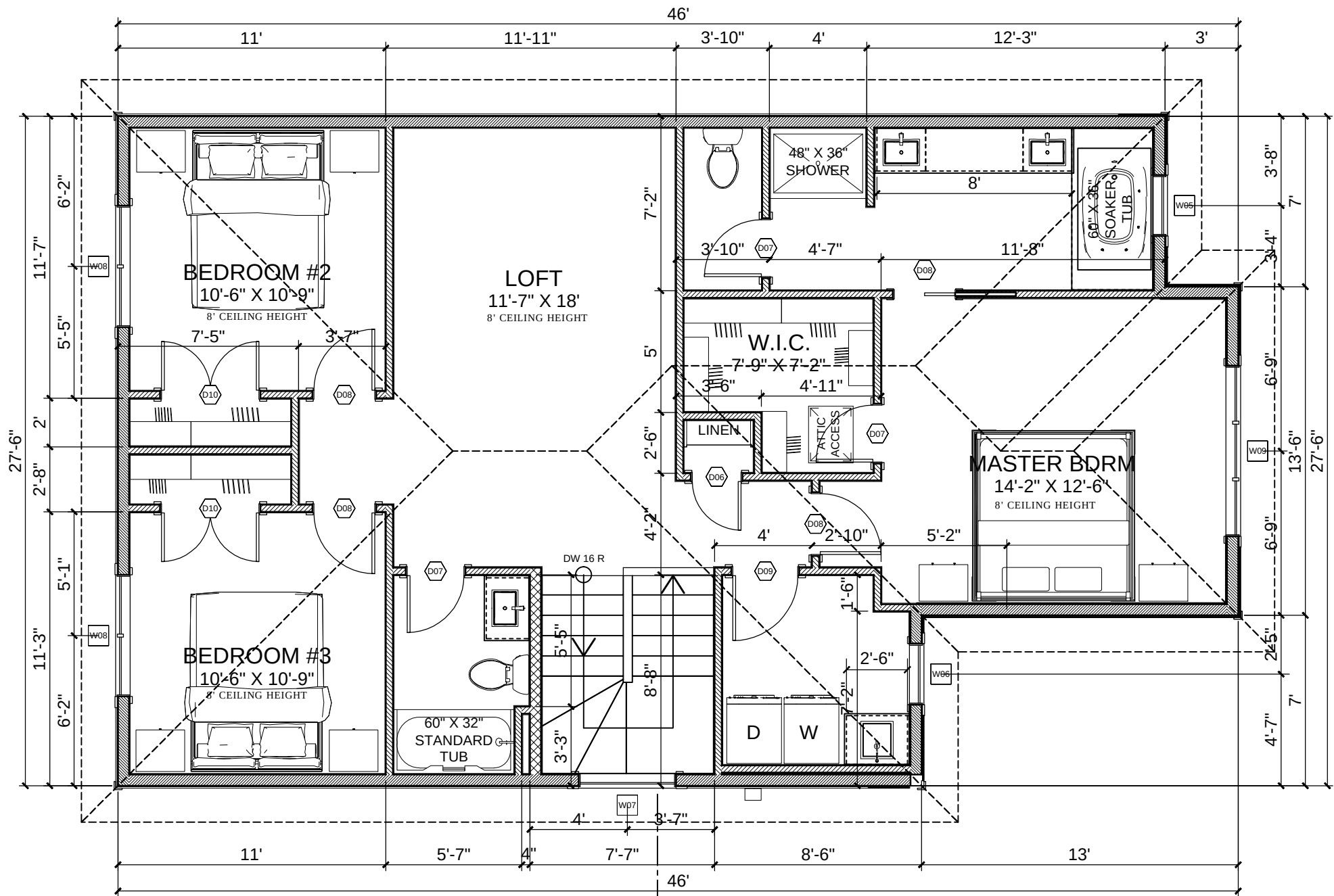
Tel: (780) 904 3257
W: www.kenzodesigns.ca e: info@kenzodesigns.ca

A-5

WINDOW SIZES
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WINDOW SCHEDULE				
#	QTY	FLOOR	W	H
W01	3	0	60"	30"
W02	1	1	108"	60"
W03	3	1	24"	60"
W04	1	1	84"	60"
W05	1	2	30"	48"
W06	1	2	30"	54"
W07	1	2	48"	60"
W08	2	2	60"	48"
W09	1	2	84"	54"

DOOR SCHEDULE				
#	QTY	FLOOR	W	H
D01	1	1	192"	96"
D02	3	1	28"	80"
D03	2	1	32"	80"
D04	2	1	36"	80"
D05	2	1	48"	80"
D06	1	2	24"	80"
D07	3	2	28"	80"
D08	4	2	30"	80"
D09	1	2	32"	80"
D10	2	2	48"	80"



LEGEND	
	CEILING LIGHT
	LIGHT BULB
	WALL SCONCE
	TRACK LIGHT
	HRV VENT
	FLUORESCENT UNIT
	RECESSED LIGHT POT LIGHT
	4" POT LIGHT
	PENDANT LIGHT
	CHANDELIER
	110V OUTLET
	WEATHERPROOF OUTLET
	220V OUTLET
	GFI OUTLET
	CEILING OUTLET
	SWITCH
	12V TRANSFORMER
	OPENER REMOTE CONTROL
	SPEAKER
	DOOR BELL
	TV CABLE
	KATS, KAT6
	VACUUM OUTLET
	VENTILATION FAN
	WALL VENT. FAN
	HOT & COLD WATER
	WATER LINE
	HOSE BIB
	GAS LINE
	SMOKE/CO DETECTOR
	THERMOSTAT
	FLOOR DRAIN
	ROOF VENT
	HOT WATER TANK
	FURNACE
	SUMP PUMP
	TELEPOST
	ELECTRICAL PANEL
	2X6 WALL
	2X8 WALL

8' CEILING HEIGHT

1
A-6

SECOND FLOOR PLAN - 1092 sq. ft.

SCALE : 3/16" = 1'0"

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PROJECT # : 02462
DATE: 26-AUG-2025
SCALE: AS SHOWN
TOTAL AREA: 2004 sq. ft.

PROJECT ADDRESS:
LOT 33 BLOCK 19
PLAN 242 1755
Morinville, AB



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Tel: (780) 904 3257

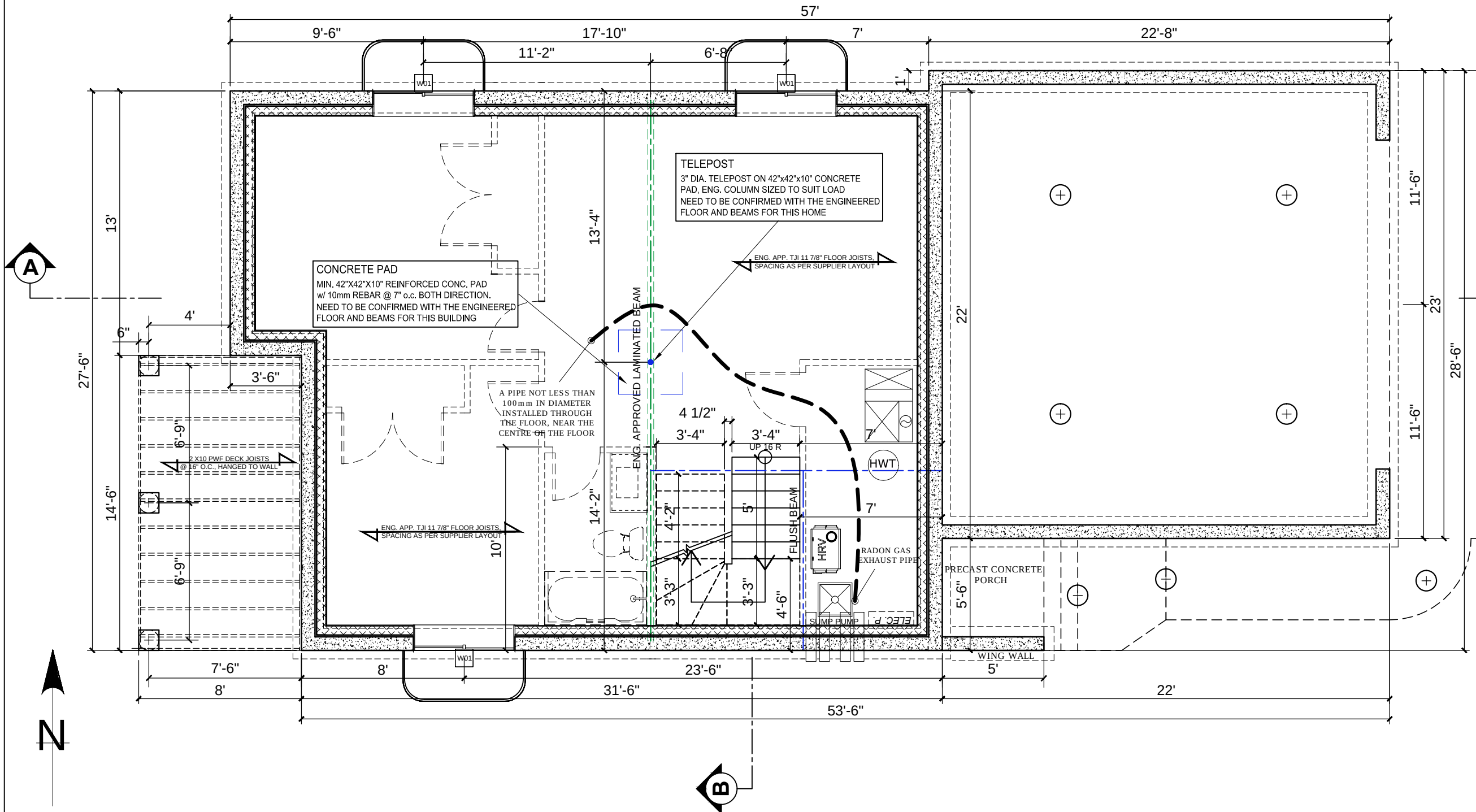
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A-6

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WINDOW SCHEDULE				
#	QTY	FLOOR	W	H
W01	3	0	60"	30"
W02	1	1	108"	60"
W03	3	1	24"	60"
W04	1	1	84"	60"
W05	1	2	30"	48"
W06	1	2	30"	54"
W07	1	2	48"	60"
W08	2	2	60"	48"
W09	1	2	84"	54"

DOOR SCHEDULE				
#	QTY	FLOOR	W	H
D01	1	1	192"	96"
D02	3	1	28"	80"
D03	2	1	32"	80"
D04	2	1	36"	80"
D05	2	1	48"	80"
D06	1	2	24"	80"
D07	3	2	28"	80"
D08	4	2	30"	80"
D09	1	2	32"	80"
D10	2	2	48"	80"



LEGEND	
	CEILING LIGHT
	LIGHT BULB
	WALL SCONCE
	TRACK LIGHT
	HRV VENT
	FLUORESCENT UNIT
	RECESSED LIGHT POT LIGHT
	4" POT LIGHT
	PENDANT LIGHT
	CHANDELIER
	110V OUTLET
	WEATHERPROOF OUTLET
	220V OUTLET
	GFI OUTLET
	CEILING OUTLET
	SWITCH
	12V TRANSFORMER
	OPENER REMOTE CONTROL
	SPEAKER
	DOOR BELL
	TV CABLE
	KATS, KAT6
	VACUUM OUTLET
	VENTILATION FAN
	WALL VENT. FAN
	HOT & COLD WATER
	WATER LINE
	HOSE BIB
	GAS LINE
	SMOKE/CO DETECTOR
	THERMOSTAT
	FLOOR DRAIN
	ROOF VENT
	HOT WATER TANK
	FURNACE
	SUMP PUMP
	TELEPOST
	ELECTRICAL PANEL
	2X6 WALL
	2X8 WALL

1
A-7

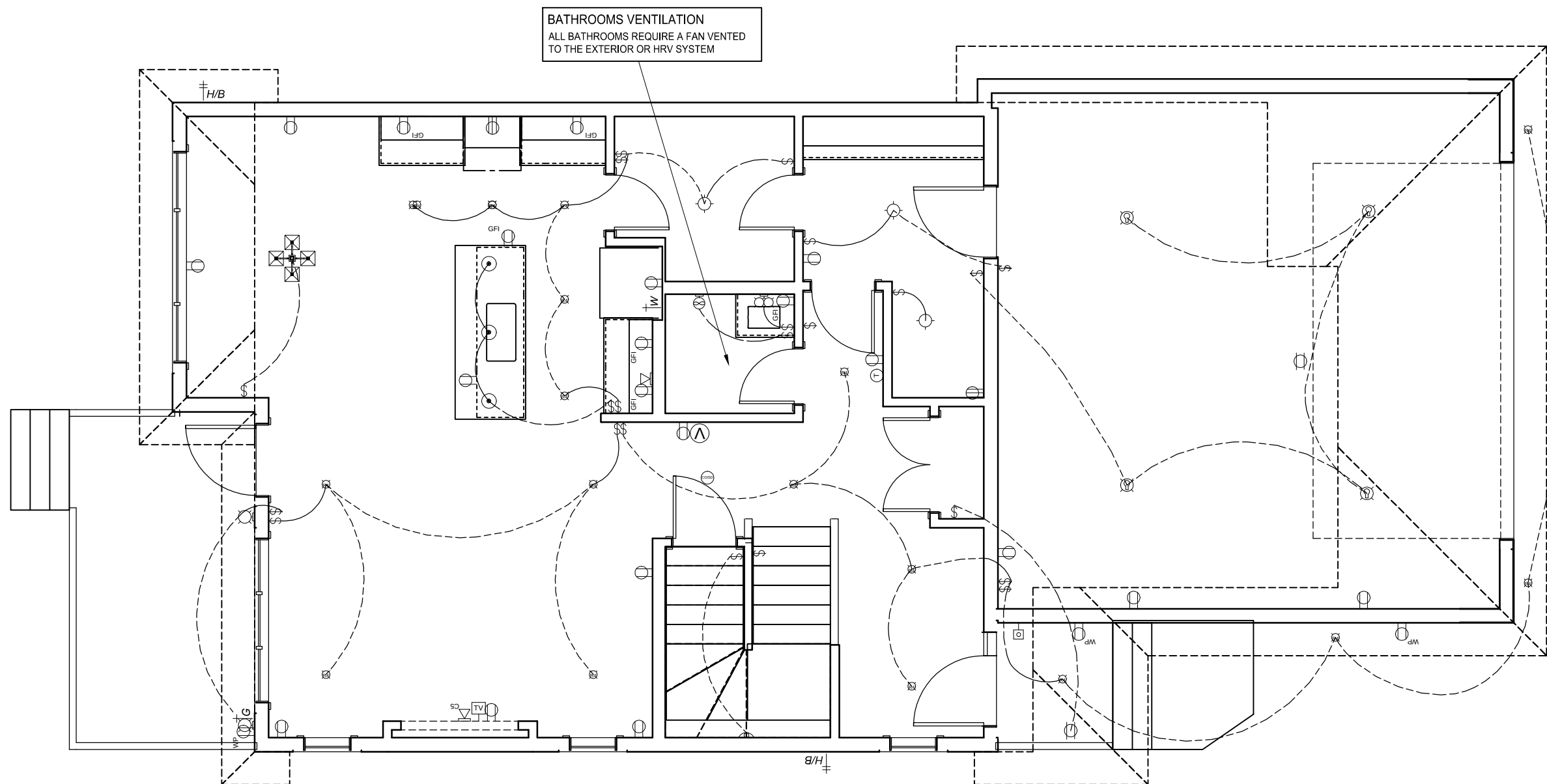
**FOUNDATION /
FUTURE BASEMENT PLAN**
SCALE : 3/16" = 1'0"

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DATE:	26-AUG-2025		
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TOTAL AREA:	2004 sq. ft.		

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A-7



LEGEND	
	CEILING LIGHT
	LIGHT BULB
	WALL SCONCE
	TRACK LIGHT
	HRV VENT
	FLUORESCENT UNIT
	RECESSED LIGHT POT LIGHT
	4" POT LIGHT
	PENDANT LIGHT
	CHANDELIER
	110V OUTLET
	WEATHERPROOF OUTLET
	220V OUTLET
	GFI OUTLET
	CEILING OUTLET
	SWITCH
	12V TRANSFORMER
	OPENER REMOTE CONTROL
	SPEAKER
	DOOR BELL
	TV CABLE
	KAT5, KAT6
	VACUUM OUTLET
	VENTILATION FAN
	WALL VENT. FAN
	HOT & COLD WATER
	WATER LINE
	HOSE BIB
	GAS LINE
	SMOKE/CO DETECTOR
	THERMOSTAT
	FLOOR DRAIN
	ROOF VENT
	HOT WATER TANK
	FURNACE
	SUMP PUMP
	TELEPOST
	ELECTRICAL PANEL
	2X6 WALL
	2X8 WALL

ALL ELECTRICAL WORK TO FOLLOW REQUIRED CODE GUIDELINES

1
A-8

MAIN FLOOR ELECTRICAL PLAN

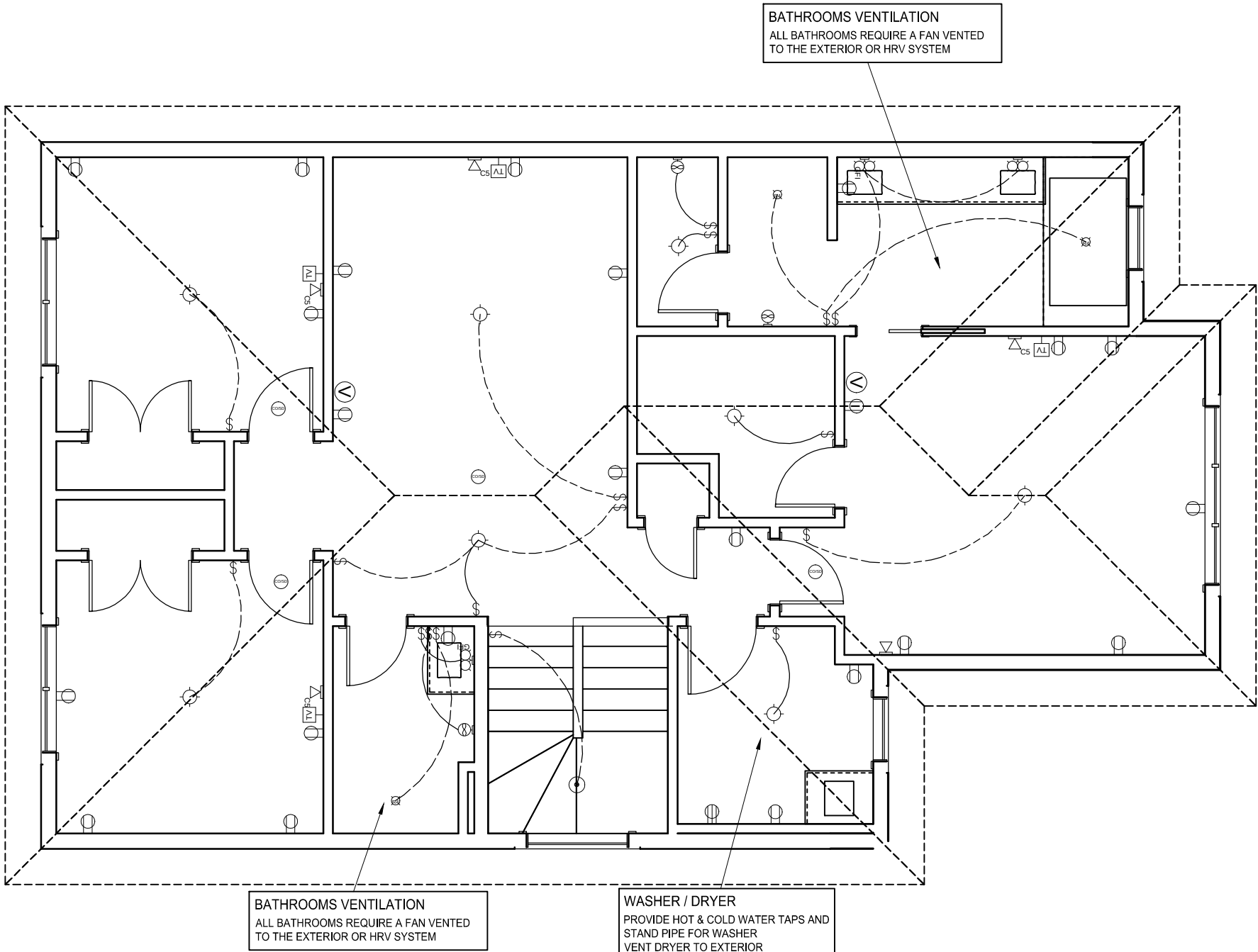
SCALE : 3/16" = 1'0"

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PROJECT #:	02462	PROJECT ADDRESS:	LOT 33 BLOCK 19 PLAN 242 1755		 Tel: (780) 904 3257 W: www.kenzodesigns.ca e: info@kenzodesigns.ca
DATE:	26-AUG-2025				
SCALE:	AS SHOWN				
TOTAL AREA:	2004 sq. ft.	Morinville, AB			

A-8

ROOF (GENERAL NOTES)
PROVIDE INSULATED ACCESS HATCH C/W WEATHERPROOFING.
PROVIDE ROOF VENTS AS REQUIRED. PROVIDE PRE-FINISHED
METAL EAVESTROUGH C/W REQ'D MOUNTING HARDWARE,
DOWNSPOUTS & R.W.L. EXTENSIONS. PRE-MANUFACTURED HIGH
HEEL ROOF TRUSSES TO BE DESIGNED AND SEALED BY A
PROFESSIONAL ENGINEER. VERIFY LOCATION OF ALL RAIN WATER
LEADER'S ON SITE. PROVIDE IKO DECK BRACED ICE SHIELD
MEMBRANE AT ALL EAVES, VALLEYS AND LOW SLOPE ROOFS.



ALL ELECTRICAL WORK TO FOLLOW REQUIRED CODE GUIDELINES

LEGEND	
CEILING LIGHT	DOOR BELL
LIGHT BULB	TV CABLE
WALL SCONCE	KAT5, KAT6
TRACK LIGHT	VACUUM OUTLET
HRV VENT	VENTILATION FAN
FLUORESCENT UNIT	WALL VENT. FAN
RECESSED LIGHT POT LIGHT	HOT & COLD WATER
4" POT LIGHT	WATER LINE
PENDANT LIGHT	HOSE BIB
CHANDELIER	GAS LINE
110V OUTLET	SMOKE/CO DETECTOR
WEATHERPROOF OUTLET	THERMOSTAT
220V OUTLET	FLOOR DRAIN
GFI OUTLET	ROOF VENT
CEILING OUTLET	HOT WATER TANK
SWITCH	FURNACE
12V TRANSFORMER	SUMP PUMP
OPENER REMOTE CONTROL	TELEPOST
SPEAKER	ELECTRICAL PANEL
2X6 WALL	2X8 WALL

-----IMPORTANT-----
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PRIOR TO COMMENCEMENT OF CONSTRUCTION

PROJECT #:	02462	PROJECT ADDRESS:	
DATE:	26-AUG-2025	LOT 33 BLOCK 19	
SCALE:	AS SHOWN	PLAN 242 1755	
TOTAL AREA:	2004 sq. ft.	Morinville, AB	



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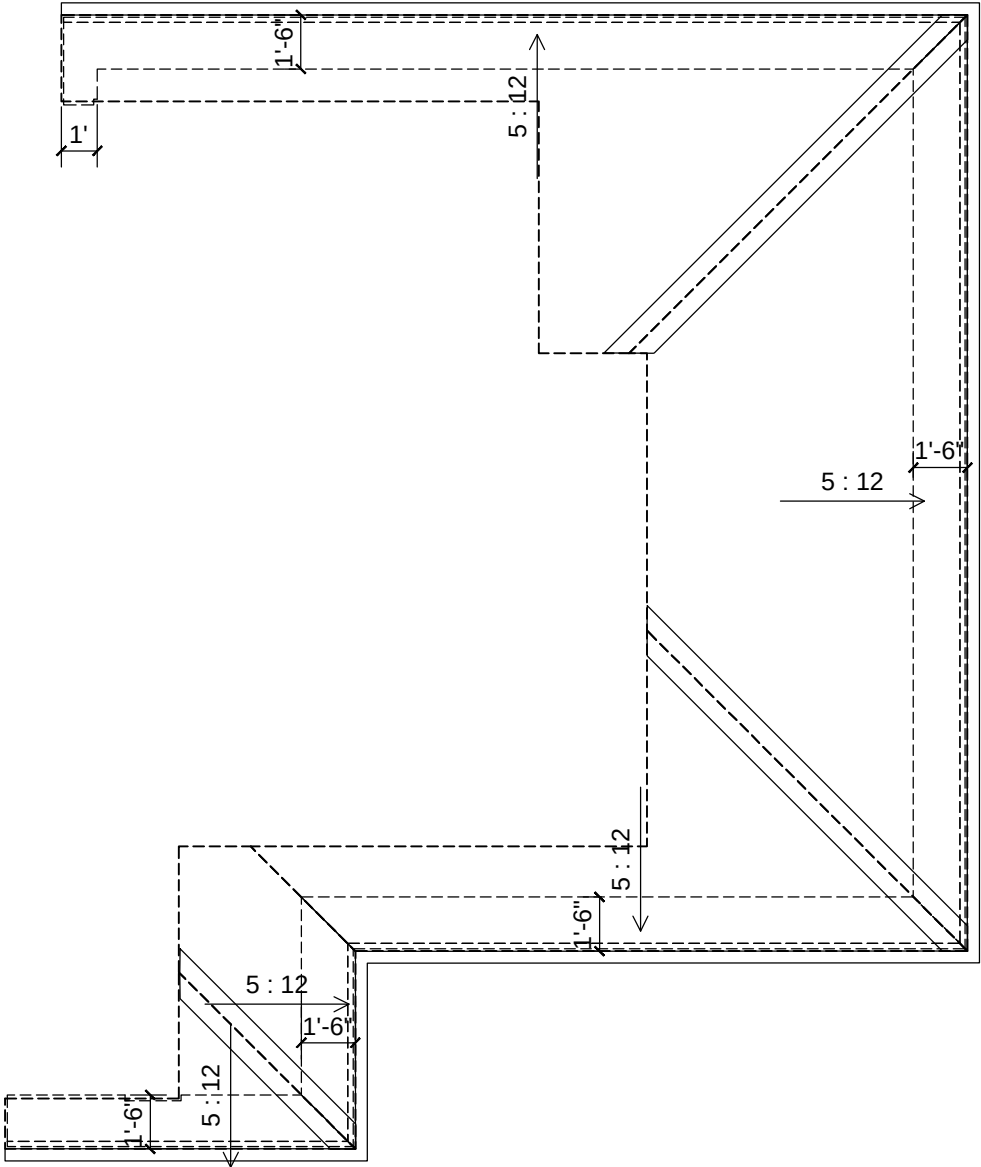
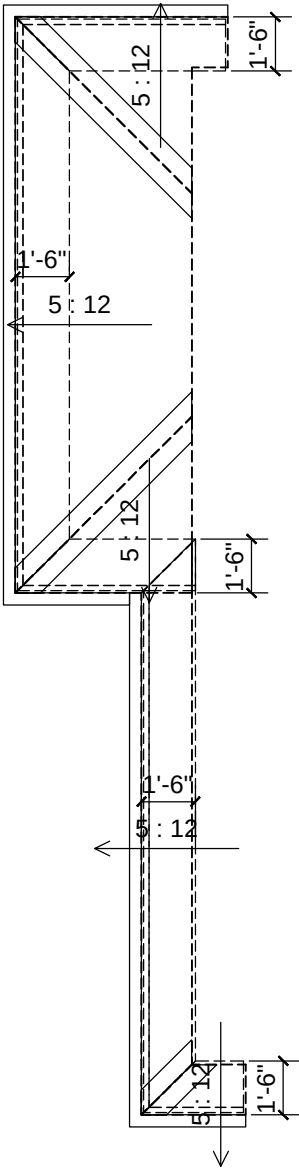
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METAL EAVESTROUGH C/W REQ'D MOUNTING HARDWARE,
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HEEL ROOF TRUSSES TO BE DESIGNED AND SEALED BY A
PROFESSIONAL ENGINEER. VERIFY LOCATION OF ALL RAIN WATER
LEADER'S ON SITE. PROVIDE IKO DECK BRACED ICE SHIELD
MEMBRANE AT ALL EAVES, VALLEYS AND LOW SLOPE ROOFS.

ROOF OVERHANG SOFFIT / FASCIA / EAVES.

18 in OVERHANG
ALUMINUM SOFFIT
8 in PRE-FINISHED ALUMINUM FASCIA
5 in PRE-FINISHED ALUMINUM RECTANGULAR EAVESTROUGH
14 in HEEL HEIGHT



1
A-10 LOWER ROOF PLAN
SCALE : 3/16" = 1'0"

-----IMPORTANT-----
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Morinville, AB



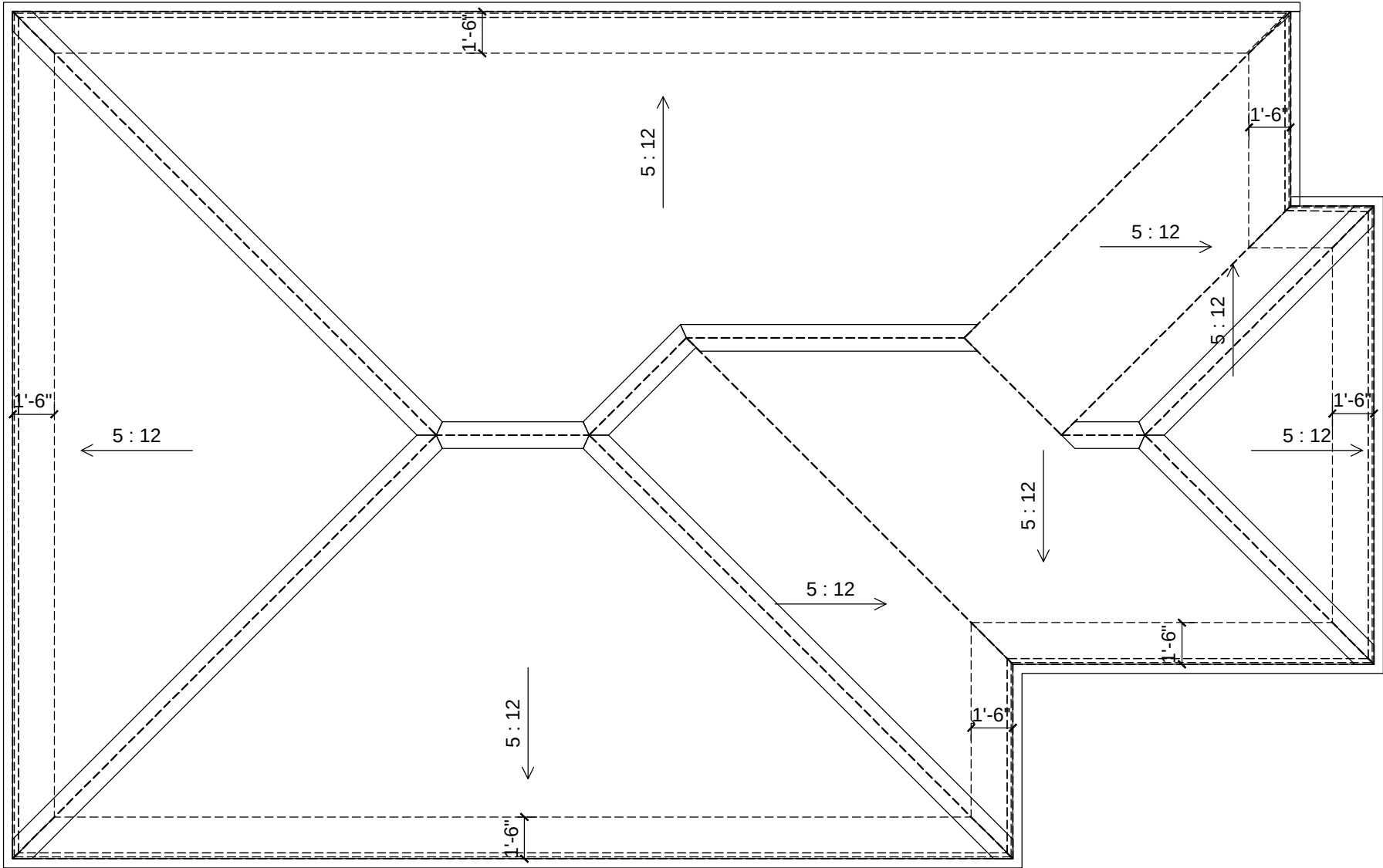
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ROOF (GENERAL NOTES)

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HEEL ROOF TRUSSES TO BE DESIGNED AND SEALED BY A
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MEMBRANE AT ALL EAVES, VALLEYS AND LOW SLOPE ROOFS.

ROOF OVERHANG SOFFIT / FASCIA / EAVES.

18 in OVERHANG
ALUMINUM SOFFIT
8 in PRE-FINISHED ALUMINUM FASCIA
5 in PRE-FINISHED ALUMINUM RECTANGULAR EAVESTROUGH
14 in HEEL HEIGHT



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PROVIDE MECHANICAL VENTILATION
AS PER ABC 9-32-3 PROVIDE FRESH
AIR & COMBUSTION AIR TO
FURNACE AS PER ABC 9-33-1-1

IN EACH FLOOR, IN EACH BEDROOM
AND EACH HALLWAY SERVING A
BEDROOM AS PER ABC 9-10-18-1

18 in OVERHANG
ALUMINUM SOFFIT
8 in PRE-FINISHED ALUMINUM FASCIA
5 in PRE-FINISHED ALUMINUM RECTANGULAR EAVESTROUGH
14 in HEEL HEIGHT

LOOSE FILL R-50 BLOWN INSULATION
6mil AIR / VAPOUR BARRIER
1/2" CD (CEILING DENSITY BOARD)
C/W 2X8" FASCIA BOARD (KD SPRUCE)
G.I EAVESTROUGH & R.W.L TO STORM



PROJECT ADDRESS:
LOT 33 BLOCK 19
PLAN 242 1755

Morinville, AB



PROVIDE MECHANICAL VENTILATION
AS PER ABC 9-32-3 PROVIDE FRESH
AIR & COMBUSTION AIR TO
FURNACE AS PER ABC 9-33-1-1

TO BE WEATHER STRIPPED &
INSULATED, ABC 9-19-2-1 (1)

IN EACH FLOOR, IN EACH BEDROOM
AND EACH HALLWAY SERVING A
BEDROOM AS PER ABC 9-10-18-1

18 in OVERHANG
ALUMINUM SOFFIT
8 in PRE-FINISHED ALUMINUM FASCIA
5 in PRE-FINISHED ALUMINUM RECTANGULAR EAVESTROUGH
14 in HEEL HEIGHT

APPROVED TRUSSES @ 24" OR 24" O.C.
7/16" PLYWOOD OR OSB SHEATHING C/W
H-CLIPS
LOOSE FILL R-50 BLOWN INSULATION
6mil AIR / VAPOUR BARRIER
1/2" CD (CEILING DENSITY BOARD)
C/W 2X8" FASCIA BOARD (KD SPRUCE)
G.I. EAVESTROUGH & R.W.L TO STORM LIN

INSULATION STOP

— PREFINISHED
— METAL GUTTER

PREFINISHED METAL
SOFFIT & TRIM

EXTERIOR FINISH AS SPECIFIED
BUILDING PAPER OR TYVEK
3/8" PLYWOOD OR OSB SHEATHING
2x6 STUDS @ 16" O.C.
FRICTION FIT R-22 BATT INSULATION
6mil AIR / VAPOUR BARRIER
1/2" GYPSUM BOARD
EXPOSED CANTILEVERS R-28 BATT
INSULATION

5/16" PLYWOOD UNDERLAY
5/8" T&G PLYWOOD OR 3/4" OSB SUBFLOOR
ENG. APP. TJI 117 / 8" FLOOR JOISTS
2" x 2" X-BRIDGING @ 7' O.C. (max) — —
1/2" GYPSUM BOARD
Min. R-22 PARAMETER-BATT INSULATION

EXTERIOR FINISH AS SPECIFIED
BUILDING PAPER OR TYVEK
3/8" PLYWOOD OR OSB SHEATHING
2x6 STUDS @ 12" O.C.
FRICTION FIT R-22 BATT INSULATION
6mil AIR / VAPOUR BARRIER
1/2" GYPSUM BOARD
EXPOSED CANTILEVERS R-28 BATT
INSULATION

8" THK, 32 MPA (min) CONCRETE WALL
R/W 2-10M BARS PLACED HORIZONTAL
TOP, MIDDLE & BOTTOM ON
8"x18" CONCRETE STRIP FOOTING PARGING
ABOVE GRADE
DAMP-PROOFING BELOW GRADE
1" AIR SPACE
2X6" STUDS @ 24" O.C.
(min) R-20 BATT INSULATION
6mil AIR / VAPOUR BARRIER

WEEPING TILE
4"Ø WEEPING TILE TO STORM LINE OR SUMP
PUMP COVERED WITH 6" (min) OF CLEAN
GRAVEL
4" WEEPING TILE TO BE INSTALLED AROUND
ENTIRE PERIMETER OF STRIP FOOTING WITH
MIN. 12" GRAVEL COVER AND TIED TO
DRAINAGE SYSTEM ACCORDING TO LOCAL
BYLAWS (TYP.)

2019 NBC (AE) Section 9.8.4.27
7/7" (max) RISE 10" (min) RUN
(8.6" (min) by code)
6'6"(min) HEAD ROOM
3'6" RAIL AT LANDING & STAIR
4" (max) VERTICAL SPACING
1/2" GYPSUM BOARD FOR
INSULATED STAIRWELLS ONLY

8" THICK CONCRETE FOOTING AS PER ENG.
DESIGN (CHECK THE SOILS TEST REPORT)

4" 25 MPA (min) CONCRETE SLAB
SLAB DAMPPROOFING AND SOIL GAS BARRIER
8" (min) GRANULAR FILL

8" THICK CONCRETE FOOTING AS PER ENG.
DESIGN (CHECK THE SOILS TEST REPORT)

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PRIOR TO COMMENCEMENT OF CONSTRUCTION

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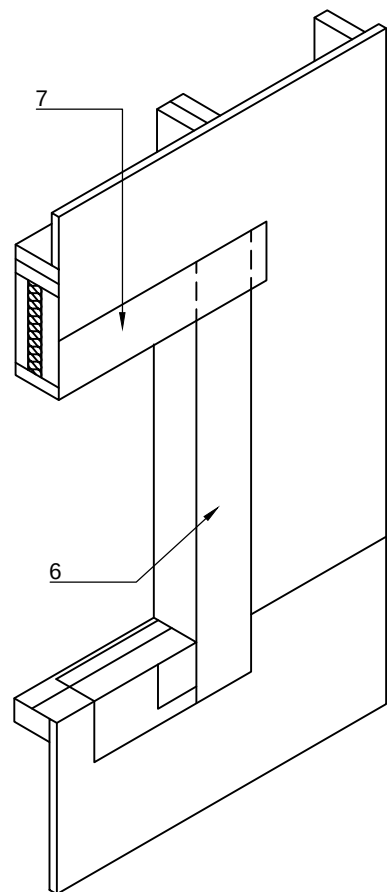
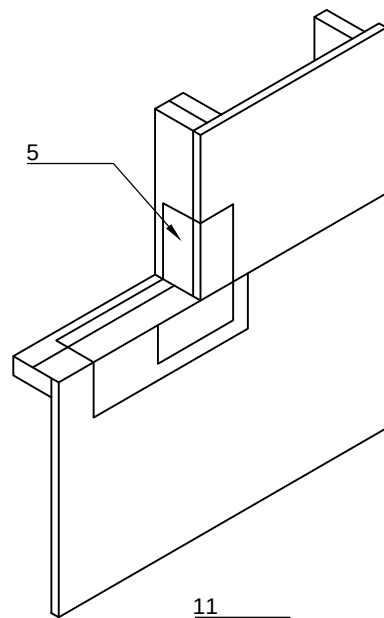
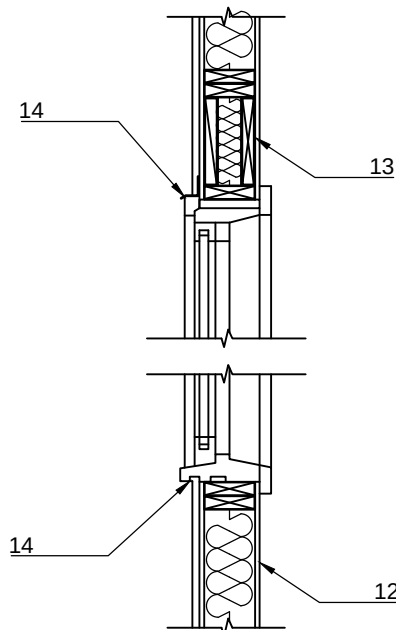
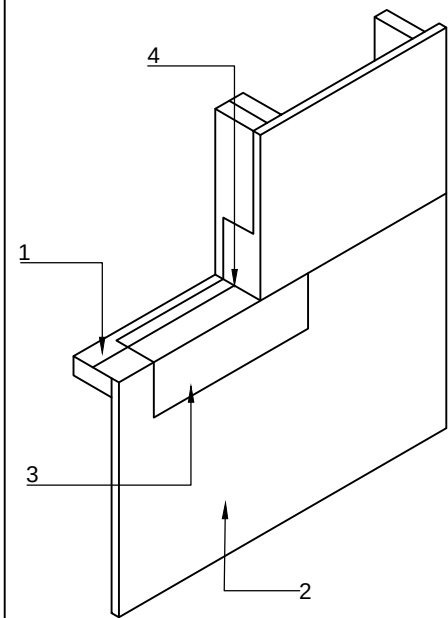
A-13

1

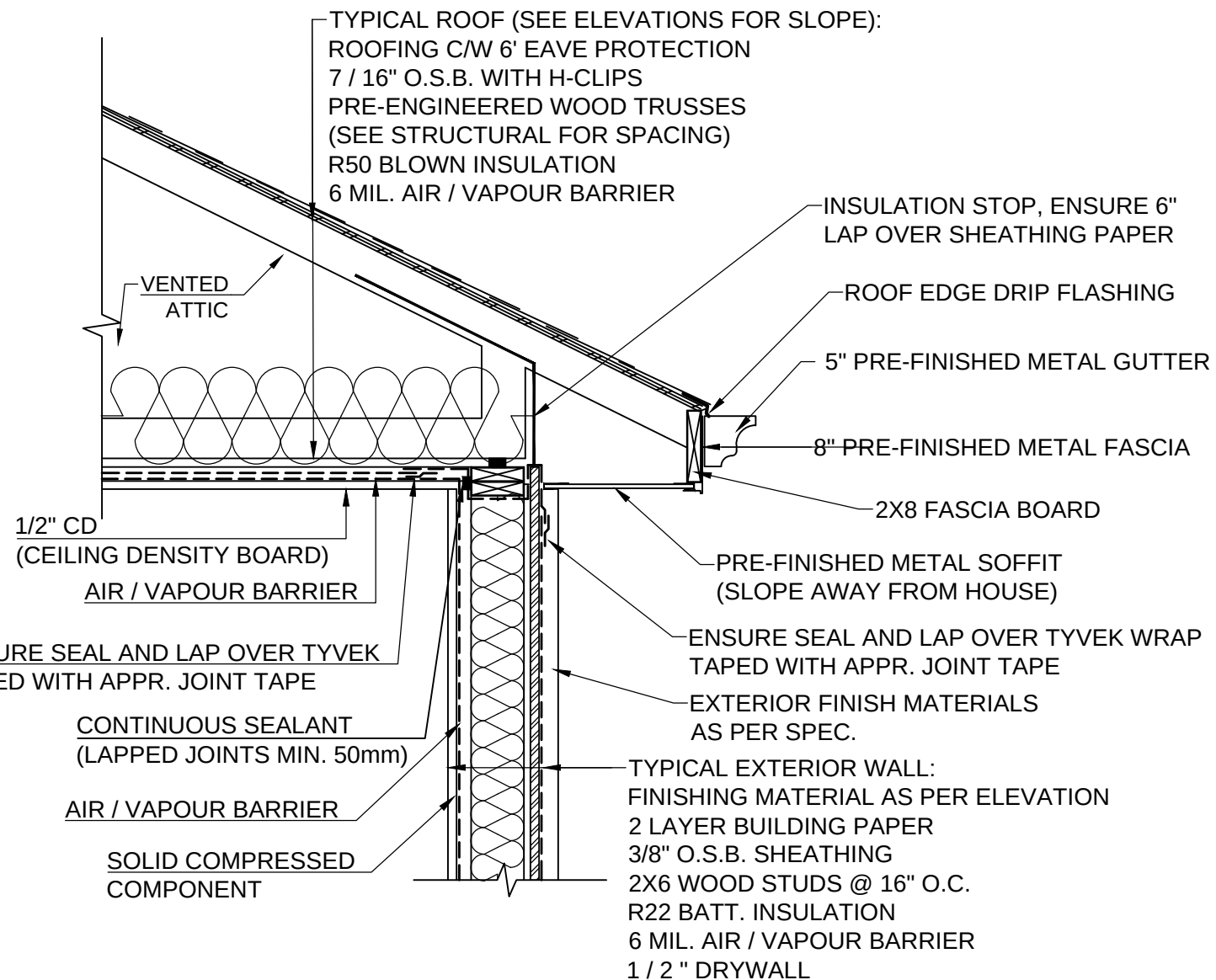
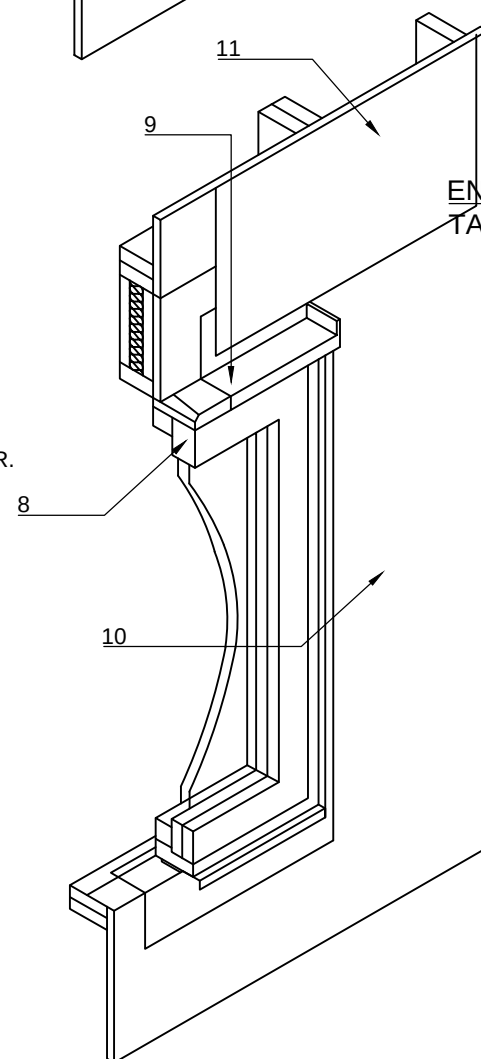
A-13

SECTION B-B PLAN

SCALE : 3/16" = 1'0"



1. INSTALL SLOPED SUB SILL.
2. INSTALL SHEATHING MEMBRANE BELOW OPENING.
3. INSTALL WATER IMPERMEABLE SILL MEMBRANE.
4. INSTALL WI REINFORCEMENT MEMBRANE.
5. INSTALL OVERLAPPING WI MEMBRANE.
6. INSTALL VERTICAL SHEATHING MEMBRANE AND WRAP INTO THE SIDE OF WINDOW.
7. INSTALL HORIZONTAL SHEATHING MEMBRANE AND WRAP UNDER HEADER.
8. INSTALL WINDOW C/W PLASTIC OR TREATED PLYWOOD SHIMS C/W SPRAY FOAM INSULATION.
9. INSTALL HEAD FLASHING.
10. INSTALL AND LAP MEMBRANE.
11. LAP SHEATHING MEMBRANE ABOVE OPENING.
12. EXTERIOR WALL:
 - EXTERIOR CLADDING AS PER ELEVATIONS.
 - TYVEK OR SIMILAR.
 - 3/8" OSB SHEATHING.
 - 2x6" STUDS AS PER SPEC, C/W BATT INSULATION AS PER SPEC.
 - 6 MIL POLY.
 - 1/2" DRYWALL.
13. BUILT-UP HEADER C/W INSULATION.
14. INSTALL BACKER ROD C/W INTERIOR AND EXTERIOR SEALANT.



ACOUSTICS SEALANT TO BE USED IN ALL LOCATION TO PROVIDE A COMPLETE VAPOUR BARRIER

2 ROOF EAVE / ATTIC INSULATION

SCALE : NOT TO SCALE

ROOF ASSEMBLY	
VENTED ATTIC R-50	
	RSI
OUTSIDE BOUNDARY AIR	0.03
INSULATION (CONTINUOUS) 20" CELLULOSE	8.81
APPROVED WOOD TRUSSES (2X4) @24" O/C	
POLY	0.00
1/2" GYPSUM BOARD	0.08
INSIDE BOUNDARY AIR	0.11
EFFECTIVE VALUE	RSI 9.03
	R-51.3

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

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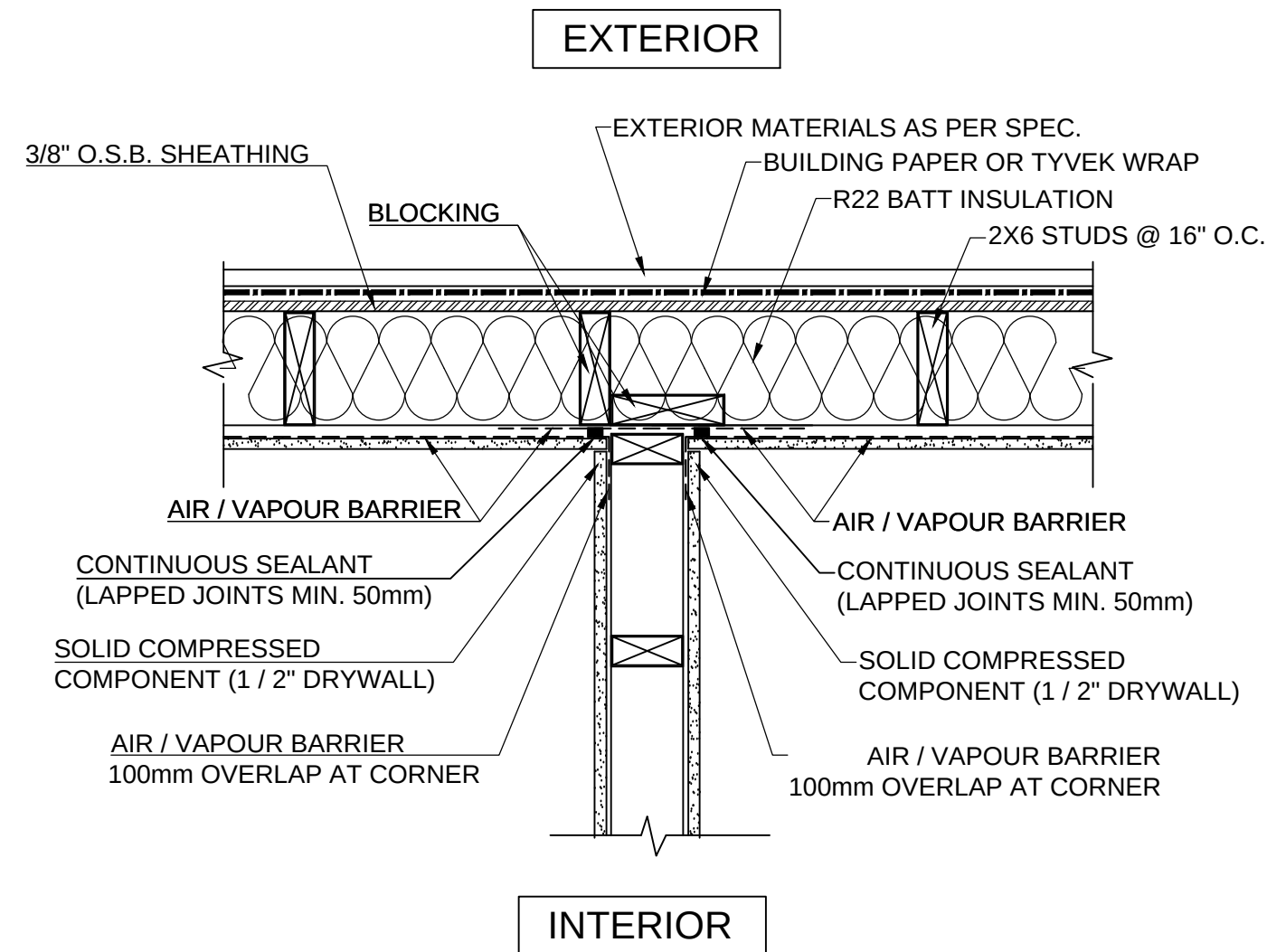
PROJECT #: 02462
DATE: 26-AUG-2025
SCALE: AS SHOWN
TOTAL AREA: 2004 sq. ft.

PROJECT ADDRESS:
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D-1



**INTERIOR / EXTERIOR
WALL CONNECTION**

1
D-2
SCALE : NOT TO SCALE TOP VIEW

EXTERIOR WALL HOUSE W22-16		RSI
OUTSIDE BOUNDARY AIR		0.03
BUILDING PAPER		0.00
3/8" EXTERIOR GRADE SHEATHING		0.09
2X6 STUD FRAMING @ 16" O.C. R-22 FG BATT		2.55
6 MIL AIR / VAPOUR BARRIER		0.00
1/2" GYPSUM BOARD		0.08
INSIDE BOUNDARY AIR		0.12
EFFECTIVE VALUE	RSI 2.87	
WITHOUT CLADDING	R-16.29	

TALL WALL TW22		RSI
OUTSIDE BOUNDARY AIR		0.03
BUILDING PAPER		0.00
3/8" EXTERIOR GRADE SHEATHING		0.09
2X6 STUD FRAMING @ 12" O.C. R-22 FG BATT		2.49
6 MIL AIR / VAPOUR BARRIER		0.00
1/2" GYPSUM BOARD		0.08
INSIDE BOUNDARY AIR		0.12
EFFECTIVE VALUE	RSI 2.81	
WITHOUT CLADDING	R-15.96	

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AIR BARRIER MATERIALS SPECIFICATION.

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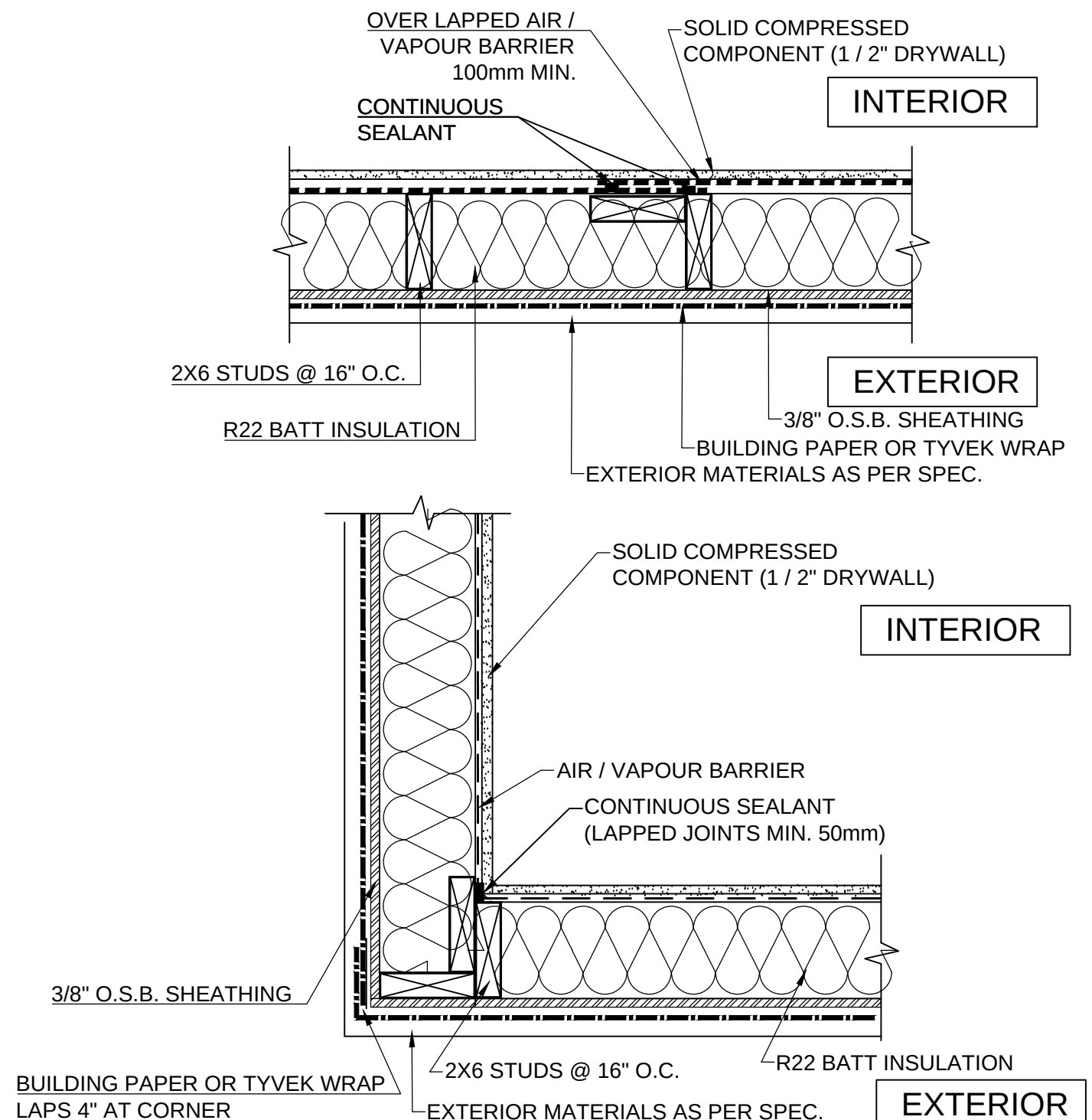
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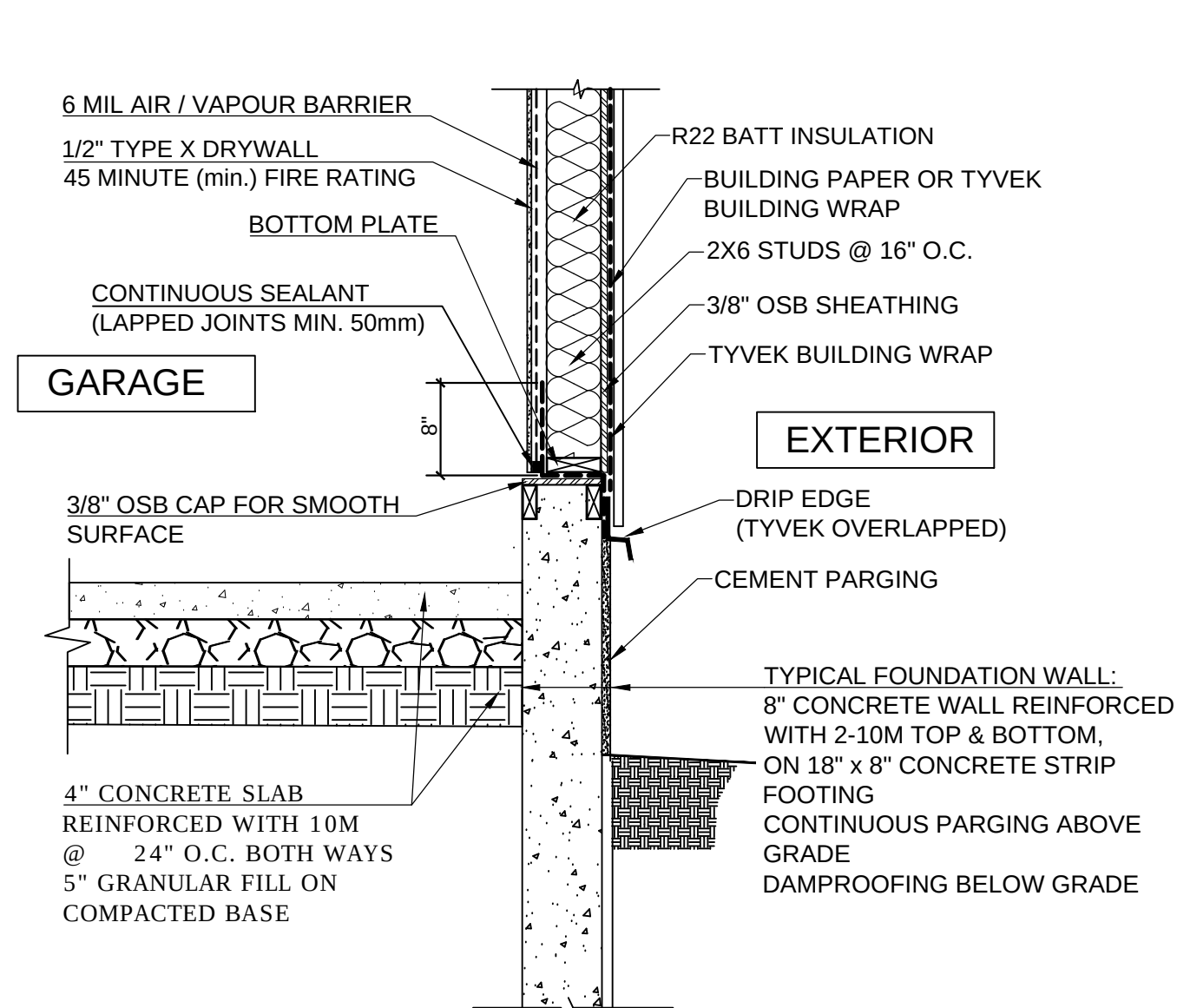
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D-2



JOINTS AT AIR BARRIER DETAIL
SCALE : NOT TO SCALE

2
D-2



1
D-3 **GARAGE TO EXTERIOR WALL**
SCALE : NOT TO SCALE

WALL TO GARAGE W22-16-G		RSI
9.36.2.4 (4) GARAGE PROTECTION		0.16
OUTSIDE BOUNDARY AIR		0.03
1/2" GYPSUM BOARD		0.08
3/8" OSB SHEATHING		0.09
2X6 STUD FRAMING @ 16" O.C. R-22 FG BATT		2.55
1/2" GYPSUM BOARD		0.08
INSIDE BOUNDARY AIR		0.12
EFFECTIVE VALUE		RSI 3.11 R-17.66

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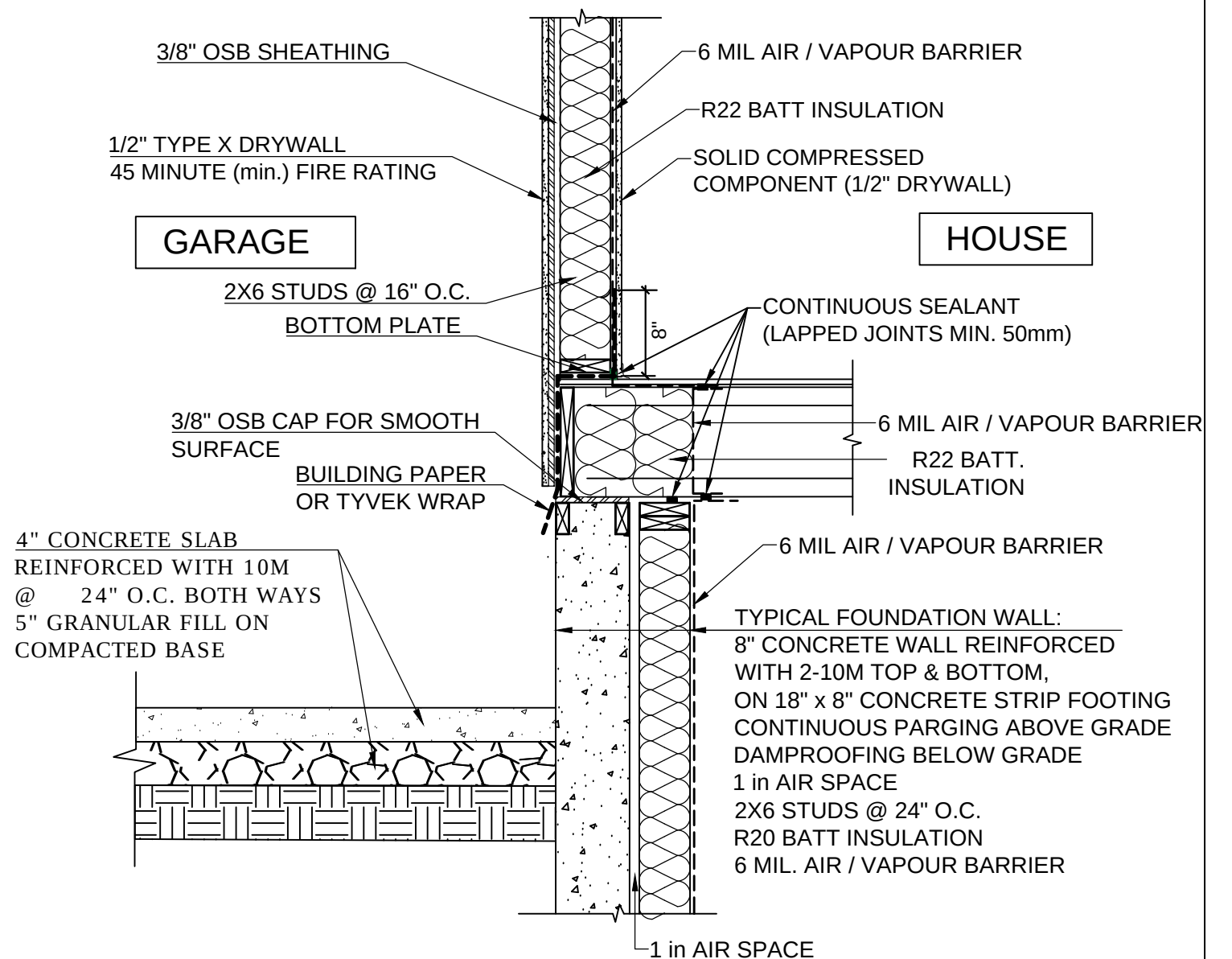
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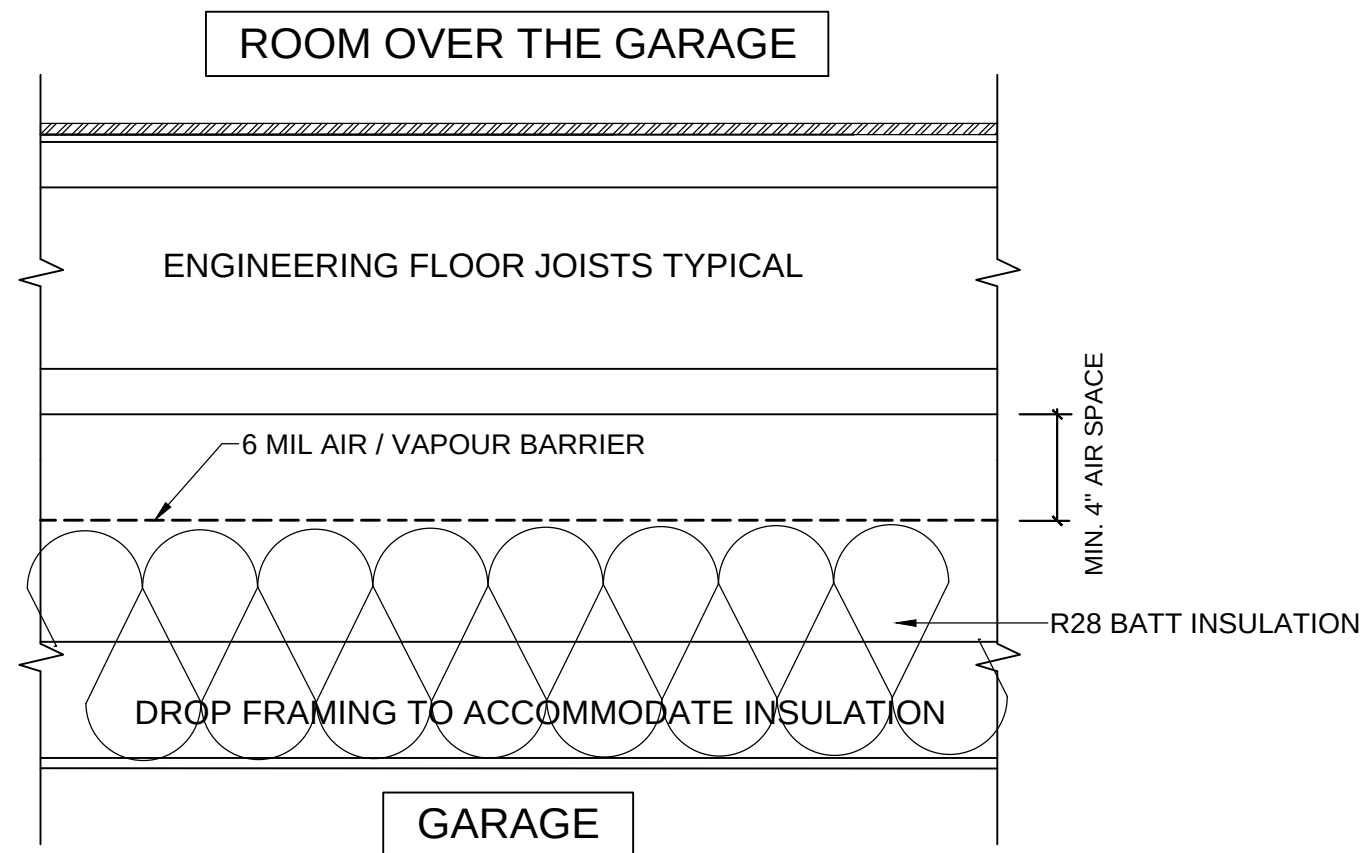
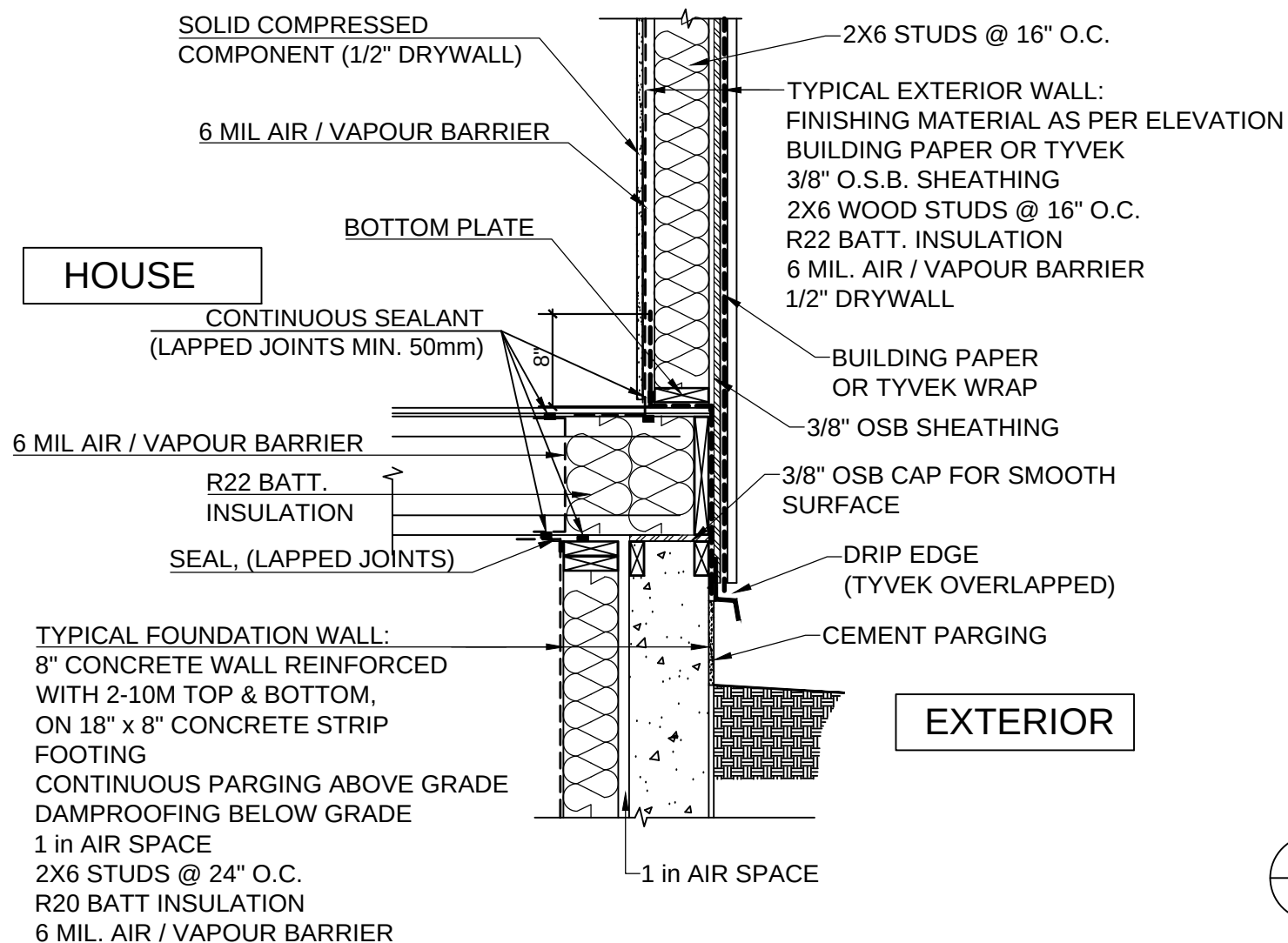
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D-3



2
D-3 **GARAGE TO HOUSE WALL**
SCALE : NOT TO SCALE

RIM BOARD ASSEMBLY RIM-FG22		RSI
OUTSIDE BOUNDARY AIR		0.03
3/8" OSB SHEATHING		0.09
1 1/8" OSB RIM BOARD		0.28
R-22 FG BATT c/w JOISTS 19.2 O.C.		3.62
INSIDE BOUNDARY AIR		0.12
EFFECTIVE VALUE		RSI 4.14 R-23.5



EXPOSED FLOOR WITH UNCONDITIONED SPACE (FLOOR OVER GARAGE)

2
D-4

SCALE : NOT TO SCALE

1 D-4 RIM JOISTS AT FOUNDATION WALL

SCALE : NOT TO SCALE

FOUNDATION WALL BW20-24(2X6)		RSI VALUE
8" CONCRETE FOUNDATION WALL		0.08
		0.18
2X6 STUD @ 24" O.C R-20 FG BATT INSUL.		2.73
6 MIL. POLY SHEET		0.00
INSIDE BOUNDARY AIR		0.12
EFFECTIVE VALUE		RSI 3.11
HOT 2004 Entry R-15.07 (RSI 2.65) as software deducts concrete wall value automatically-which does not show on reports		R-17.64

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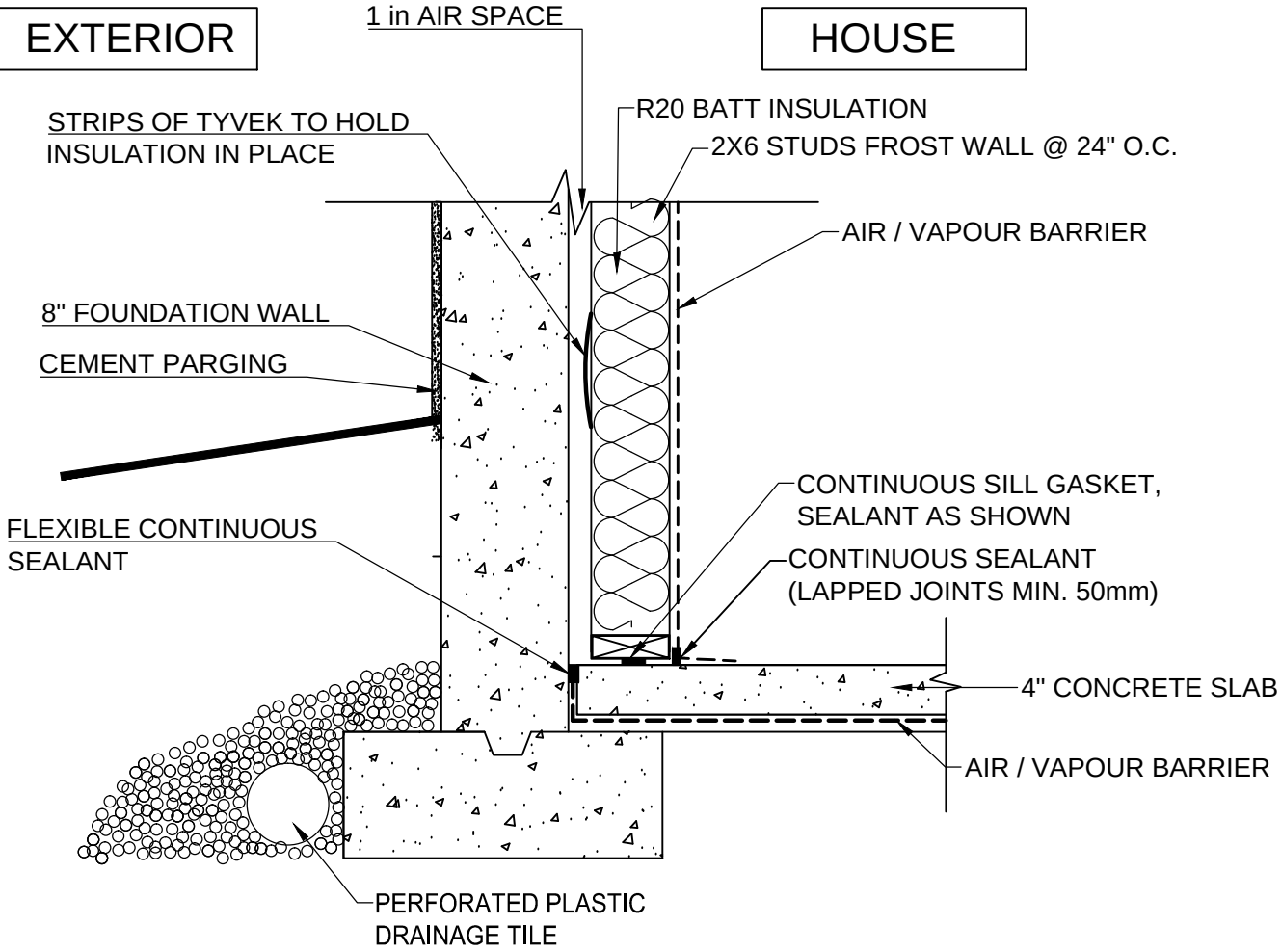


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D-4

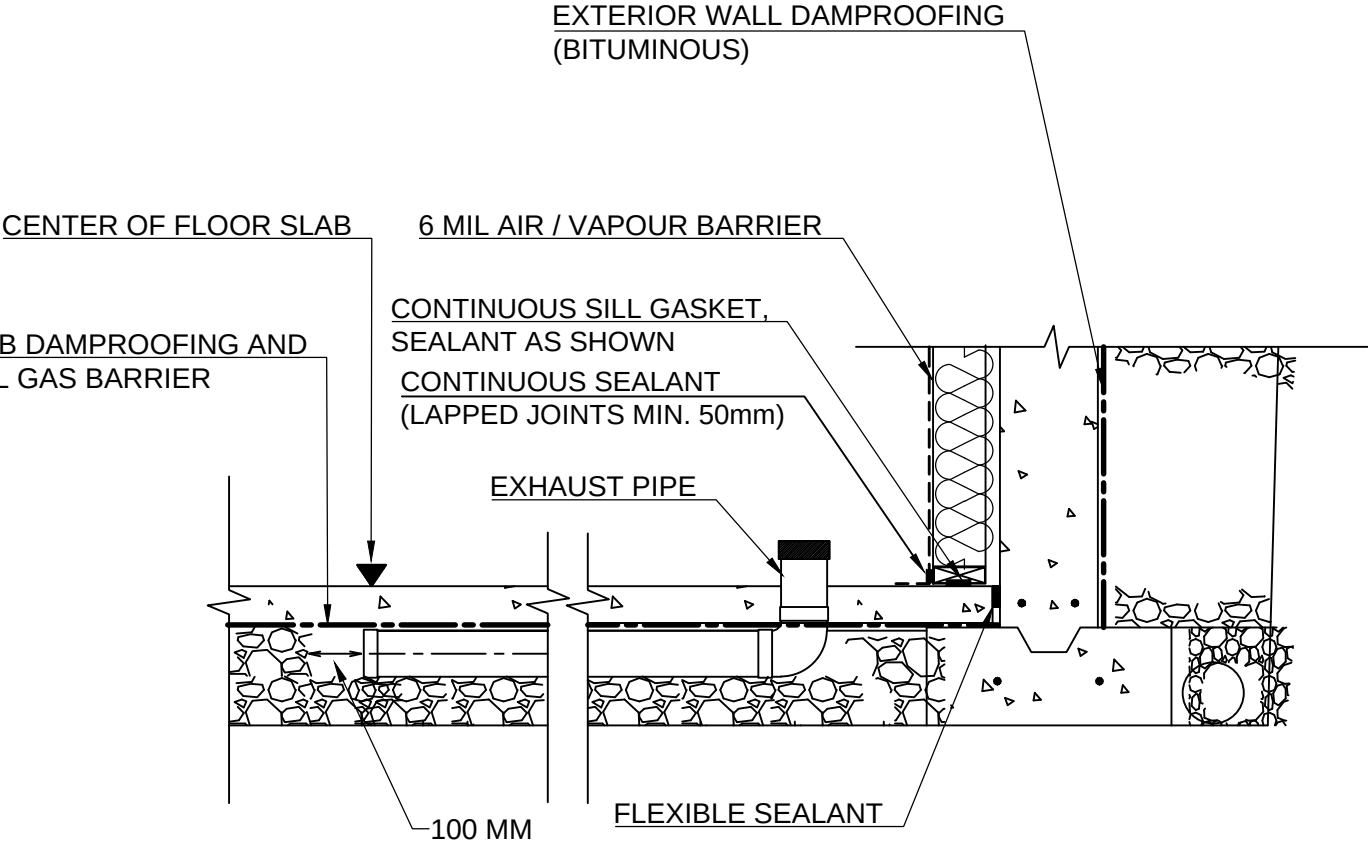
EXTERIOR

HOUSE



1
D-5 **SLAB / FOOTING JUNCTION / FROST WALL**

SCALE : NOT TO SCALE



2
D-5 **BASEMENT SLAB PENETRATION DETAIL / RADON GAS CONTROL**

SCALE : NOT TO SCALE

REQUIRED INSTALLATION OF GRANULAR MATERIAL
NO LESS THAN 100mm OF COARSE CLEAN GRANULAR MATERIAL CONTAINING NOT MORE THAN 10% OF MATERIAL THAT WILL PASS A 4mm SIEVE SHALL BE PLACED BENEATH FLOOR-ON-GROUND. GRANULAR MATERIAL NEED TO BE INSTALLED UNDER SLABS IN GARAGES, CARPORTS OR ACCESSORY BUILDINGS.

SOIL GAS LEAKAGE PROTECTION
WALL, ROOF AND FLOOR ASSEMBLIES SEPARATING CONDITIONED SPACE FROM THE GROUND, AND THE ROUGH-IN TO ALLOW THE FUTURE PROTECTION OF CONDITIONED SPACE THAT IS SEPARATE FROM THE GROUND BY A WALL, ROOF OR FLOOR ASSEMBLY.
THIS SUBSECTION ADDRESSES THE LEAKAGE OF SOIL GAS FROM THE GROUND INTO THE BUILDING.

9.13.4.2. PROTECTION FROM SOIL GAS INGRESS
ALL WALL, ROOF AND FLOOR ASSEMBLIES SEPARATING CONDITIONED SPACE FROM THE GROUND SHALL BE PROTECTED BY AN AIR BARRIER SYSTEM. UNLESS THE SPACE BETWEEN THE AIR BARRIER SYSTEM AND THE GROUND IS DESIGNED TO BE ACCESSIBLE FOR THE FUTURE INSTALLATION OF A SUB FLOOR DEPRESSURIZATION SYSTEM, DWELLING UNITS CONTAINING RESIDENTIAL OCCUPANCIES SHALL BE PROVIDED WITH THE ROUGH-IN FOR A RADON EXTRACTION SYSTEM.

ROUGH-IN FOR A SUB FLOOR DEPRESSURIZATION SYSTEM
A GAS-PERMEABLE LAYER INSTALLED IN THE SPACE BETWEEN THE AIR BARRIER AND THE GROUND TO ALLOW THE DEPRESSURIZATION OF THAT SPACE.

AN INLET THAT ALLOWS FOR THE EFFECTIVE DEPRESSURIZATION OF THE GAS-PERMEABLE LAYER.

AN OUTLET IN THE CONDITIONED SPACE THAT:

- PERMITS CONNECTION TO DEPRESSURIZATION EQUIPMENT.
- IS SEALED TO MAINTAIN THE INTEGRITY OF THE AIR BARRIER SYSTEM.
- IS CLEARLY LABELED TO INDICATE THAT IT IS INTENDED ONLY FOR THE REMOVAL OF RADON FROM BELOW THE FLOOR-ON-GROUND.

CLEAN GRANULAR MATERIAL INSTALLED BELOW THE FLOOR-ON-GROUND, A PIPE NOT LESS THAN 100mm IN DIAMETER INSTALLED THROUGH THE FLOOR

SUCH THAT:

- ITS BOTTOM END OPENS INTO THE GRANULAR LAYER REQUIRED CLAUSE AT OR NEAR THE CENTER OF THE FLOOR AND NOT LESS THAN 100mm OF GRANULAR MATERIAL PROJECTS BEYOND TERMINUS OF THE PIPE MEASURED ALONG ITS AXIS.
- ITS TOP END PERMITS CONNECTION TO DEPRESSURIZATION EQUIPMENT AND IS PROVIDED WITH AN AIRTIGHT CAP.
- THE PIPE IS CLEARLY LABELED NEAR THE CAP AND, IF APPLICABLE, EVERY 1.8m AND AT EVERY CHANGE IN DIRECTION TO INDICATE THAT IT IS INTENDED ONLY FOR THE REMOVAL OF RADON FROM BELOW THE FLOOR-ON-GROUND.

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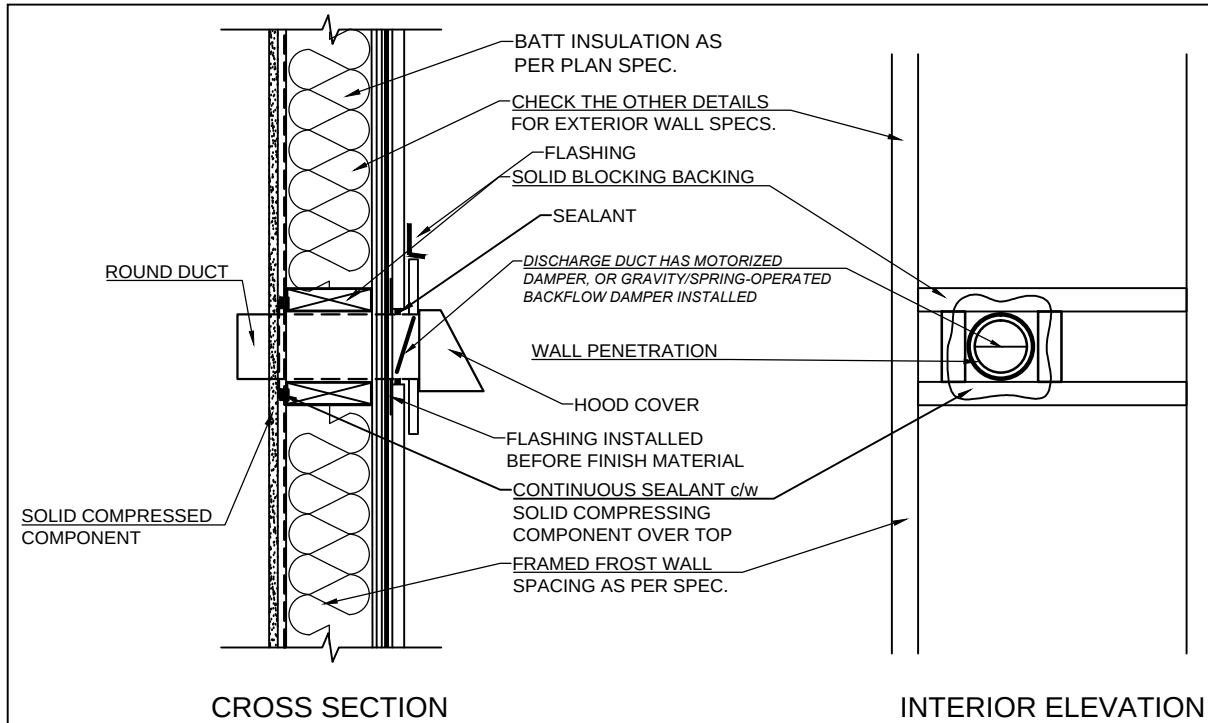
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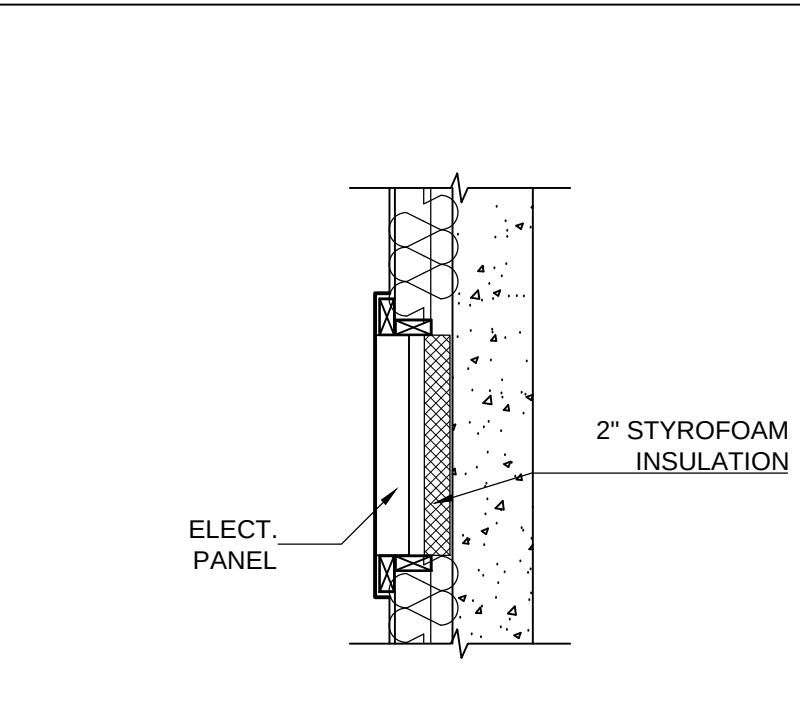


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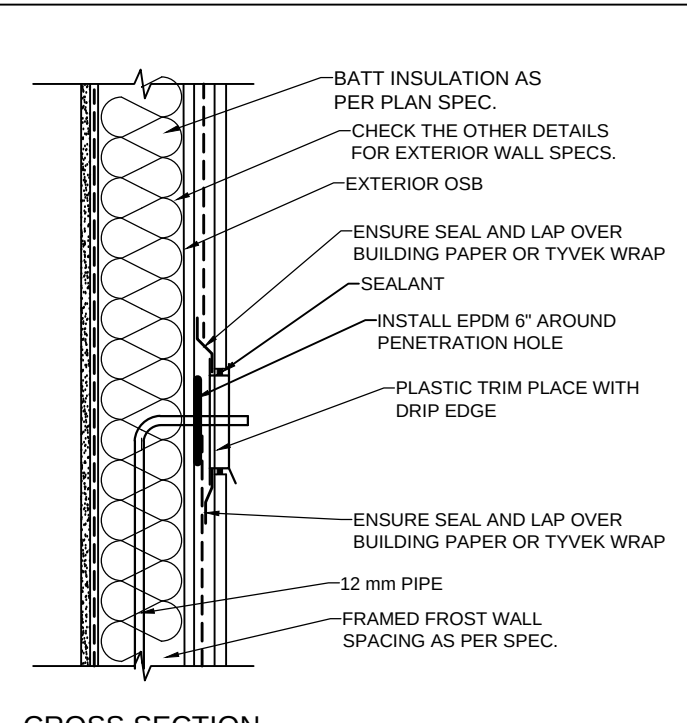
D-5



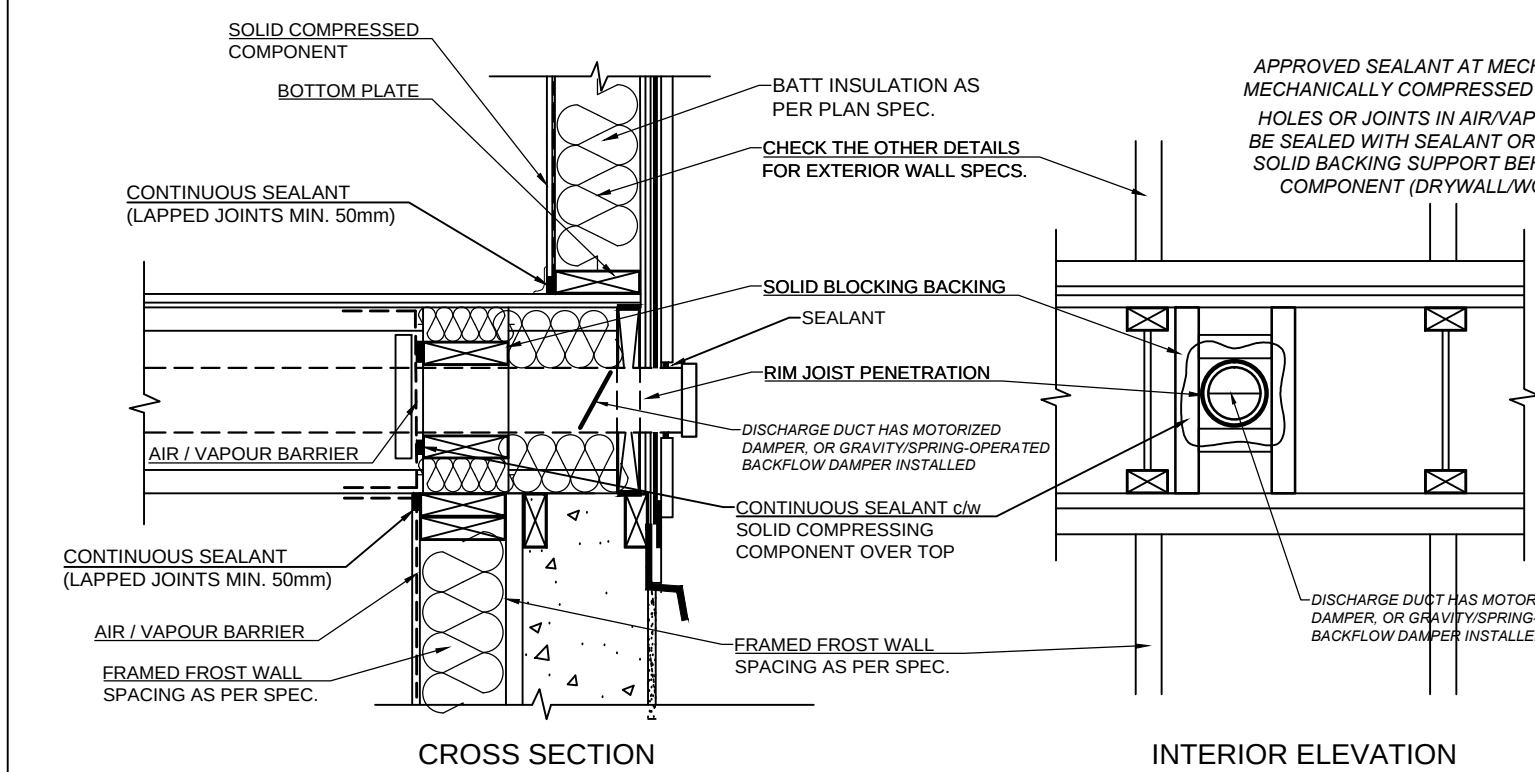
1 "FAIL-OPEN" MOTORIZED DAMPER
D-6 SCALE : NOT TO SCALE



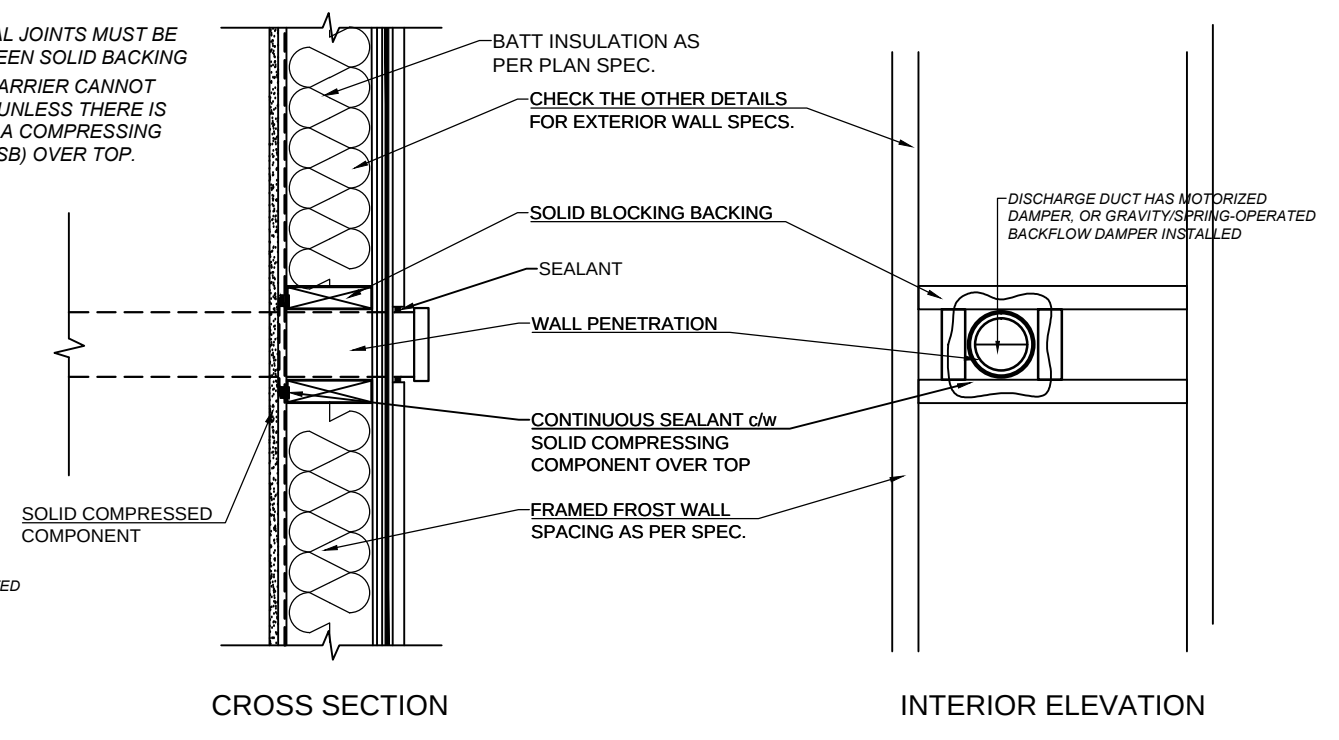
2 ELECTRICAL PANEL
D-6 SCALE : NOT TO SCALE



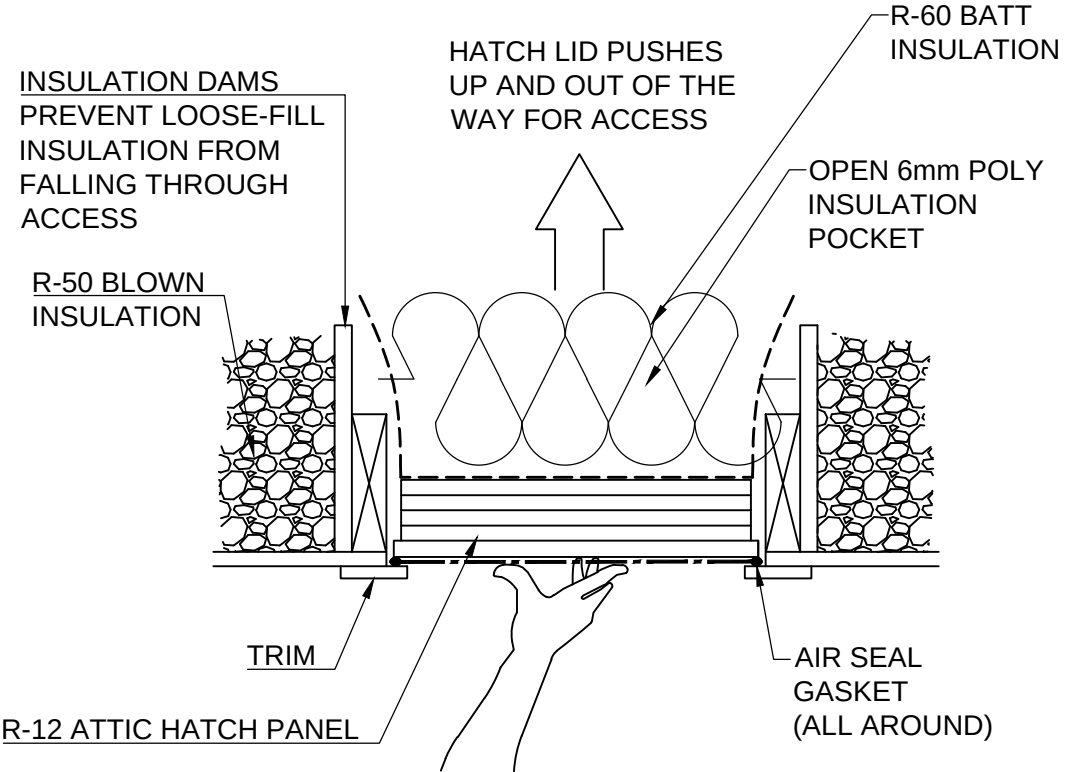
3 TYPICAL 12 mm PIPE INSULATION
D-6 SCALE : NOT TO SCALE



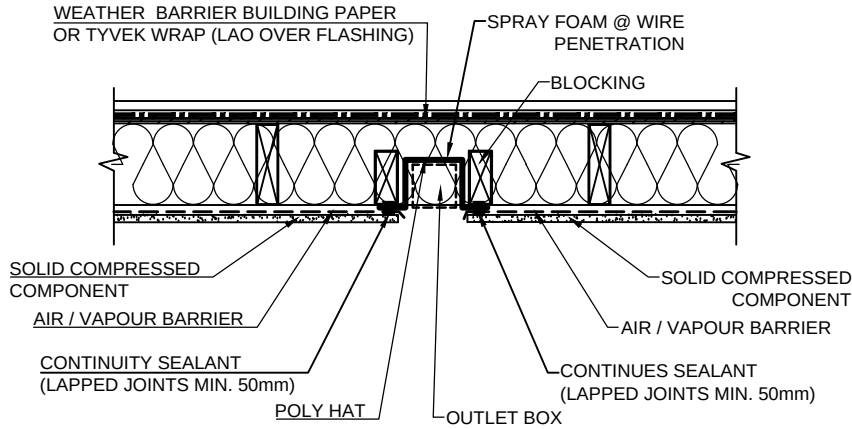
4 AIR & VAPOUR SEALING @ RIM JOIST PENETRATION
D-6 SCALE : NOT TO SCALE



5 AIR & VAPOUR SEALING @ WALL PENETRATION
D-6 SCALE : NOT TO SCALE

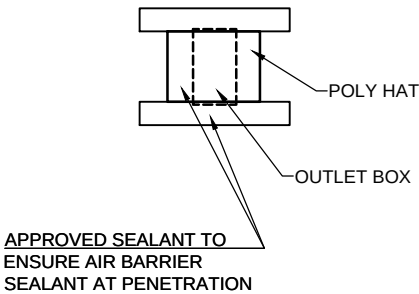


1 ATTIC HATCH DETAIL
D-7 SCALE : NOT TO SCALE



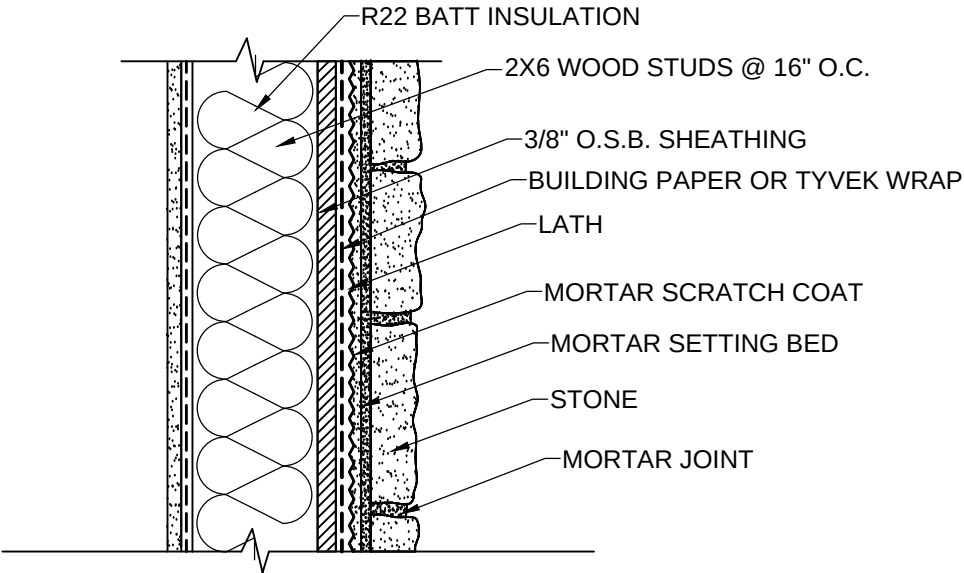
TOP VIEW

2 TYPICAL METAL OUTLET BOX
D-7 SCALE : NOT TO SCALE



INTERIOR ELEVATION

FOUNDATION WALL BW20-24(2X6)		RSI VALUE
8" CONCRETE FOUNDATION WALL		0.08
		0.18
2X6 STUD @ 24" O.C R-20 FG BATT INSUL.		2.73
6 MIL. POLY SHEET		0.00
INSIDE BOUNDARY AIR		0.12
EFFECTIVE VALUE		RSI 3.11
HOT 2004 Entry R-15.07 (RSI 2.65) as software deducts concrete wall value automatically-which does not show on reports		R-17.64



3 STONE DETAIL
D-7 SCALE : NOT TO SCALE

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D-7