General Notes and Specifications

MISCELLANEOUS NOTES:

PROFESSIONAL INVOLVEMENT

• THE FOLLOWING PROJECT MAY NEED TO BE DESIGNED BY A PROFESSIONAL ENGINEER OR ARCHITECT REGISTERED TO PRACTICE IN THE PROVINCE OF ALBERTA UPON THE DETERMINATION OF THE LOCAL BUILDING AUTHORITY AND SECTION 2.4 OF THE NATIONAL BUILDING CODE 2023 - ALBERTA EDITION

NOTE:

-DO NOT SCALE DRAWINGS

-ALL FLOOR PLAN DIMENSIONS ARE TO FACE OF STUDS

-ALL CONSTRUCTION SHALL CONFORM TO THE NEW HOME CONSTRUCTION PART OF THE LOCAL BUILDING CODE AND ANY OTHER CODES AND REQUIREMENTS

-ALL DIMENSIONS AND SPECIFICATIONS MUST BE CHECKED AND VERIFIED BY CONTRACTOR AND/OR OWNER BEFORE ANY CONSTRUCTION STARTS. ANY CORRECTIONS AND/OR OMISSIONS MUST BE REPORTED TO PLP DESIGN BEFORE CONSTRUCTION STARTS

- CONTRACTOR IS TO ENSURE ALL POSTS AND BEARING POINTS ARE PROPERLY PLACED ACCORDING TO ALL FLOOR JOISTS & ROOF TRUSS LAYOUTS SUPPLIED BY THE FLOOR AND TRUSS SUPPLIERS -ALL BEAMS, POSTS, FOOTINGS, AND ANY OTHER STRUCTURAL COMPONENT INVOLVED IN THIS PROJECT ARE SUGGESTED ONLY AND ARE TO BE CHECKED AND VERIFIED BY A LOCAL BUILDING AUTHORITY AND/OR A STRUCTURAL ENGINEER REGISTERED IN YOUR LOCAL BUILDING AREA

- ALL WINDOWS AND DOORS SHOWN ARE SHOWN IN APPROXIMATE FRAME SIZES ONLY ACTUAL ROUGH OPENINGS WILL VARY DEPENDING ON SUPPLIER. CONSULT SUPPLIERS ROUGH OPENINGS FOR EXACT FRAMING REQUIREMENTS

-THE GENERAL CONTRACTOR SHALL FULLY COMPLY WITH THE NATIONAL BUILDING CODE 2023 - ALBERTA EDITION AND ALL ADDITIONAL PROVINCIAL AND LOCAL CODE REQUIREMENTS.

-THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY WORK KNOWINGLY PERFORMED CONTRARY TO SUCH LAWS, ORDINANCES, OR REGULATIONS. THE CONTRACTOR SHALL ALSO PERFORM COORDINATION WITH ALL UTILITIES AND PROVINCIAL SERVICE AUTHORITIES.

-WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE GENERAL CONTRACTOR SHALL VERIFY AND IS RESPONSIBLE FOR ALL DIMENSIONS (INCLUDING ROUGH OPENINGS) AND CONDITIONS ON THE JOB AND MUST NOTIFY THIS OFFICE OF ANY VARIATIONS FROM THESE DRAWINGS. CONTRACTOR SHALL CONTACT THIS OFFICE WITH ANY DISCREPANCIES.

-THIS OFFICE SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, ACTS OR OMISSIONS OF THE CONTRACTOR OR SUBCONTRACTOR, OR FAILURE OF ANY OF THEM TO CARRY OUT WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. AND DEFECT DISCOVERED IN THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THIS OFFICE BY WRITTEN NOTICE BEFORE PROCEEDING WITH WORK.

DESIGN CRITERIA: THE NATIONAL BUILDING CODE 2023 - ALBERTA EDITION
ROOF: SNOW LOAD TO BE VERIFIED BY TRUSS SUPPLIER
10 PSF DEAD LOAD.
FLOOR: 40 PSF LIVE LOAD.
10 PSF DEAD LOAD.
SOIL: 2,000 PSF ALLOWABLE (ASSUMED). TO BE AT TIME OF EXCAVATION
ASSUMED FROST DEPTH: 4'-0"(1.2M) ZONE 6 & ZONE 7A, 6'6-3/4" (2.0M) ZONE 7B

-THIS STRUCTURE SHALL BE ADEQUATELY BRACED FOR WIND LOADS UNTIL THE ROOF, FLOOR AND WALLS HAVE BEEN PERMANENTLY FRAMED TOGETHER AND SHEATHED.

-INSTALL FOAM TYPE INSULATION AT FLOOR AND PLATE LINES, OPENINGS IN PLATES, CORNER STUD CAVITIES AND AROUND DOOR AND WINDOW ROUGH OPENING CAVITIES.

-INSTALL WATERPROOF GYPSUM BOARD AT ALL WATER SPLASH AREAS TO MINIMUM 70" ABOVE SHOWER DRAINS.

-PROVIDE SOLID BLOCKING UNDER ALL BEARING WALLS PERPENDICULAR TO JOISTS AND OTHER BEARING POINTS NOT OTHERWISE PROVIDED WITH SUPPORT.

-ALL STRUCTURAL FRAMING SHALL CONFORM TO 9.23 WOOD FRAME CONSTRUCTION THE NATIONAL BUILDING CODE 2023 - ALBERTA EDITION

-ENSURE FINISHED GRADE SLOPE AWAY FROM STRUCTURE AT MIN 2% SLOPE

RESISTANCE TO FORCED ENTRY

ALL WINDOWS WITHIN 2m (6'-7") OF ADJACENT GROUND LEVEL
AND ALL ENTRANCE DOORS TO DWELLING UNITS ARE TO BE
RESISTANT TO FORCED ENTRY AS PER ABC 2023, DIV. B PART 9.7.5.3

WINDOW PERFORMANCE

RATINGS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BUILDING CODE 2023 - ALBERTA EDITION,
DIV. B PART 9.7.2 & 9.7.4 TO BE PROVIDED BY WINDOW SUPPLIER

MAX. U- VALUE/ MIN TEMPERATURE INDEX (1) BASED ON 2.5%
JANUARY DESIGN TEMPERATURE:
CONSULT REGULATIONS FOR YOUR CLIMACTIC ZONE

THE FOLLOWING MINIMUM PERFORMANCE REQUIREMENTS ARE BASED ON AAMA/WDMA/CSA 101/1S. 2/A440-08 (NAFS-08) AND CSA A440S1-09
WITH UPDATE NO. 1 (CANADIAN SUPPLEMENT TO NAFS-08)

TO THE BEST OF MY KNOWLEDGE, THESE PLANS ARE DRAWN TO COMPLY WITH OWNER'S AND/OR
BUILDERS SPECIFICATIONS AND ANY CHANGES MADE ON THEM AFTER PRINTS ARE MADE WILL BE DONE AT THE OWNERS AND/OR BUILDERS EXPENSE AND RESPONSIBILITY.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ENCLOSED DRAWINGS.

PLP DESIGN IS NOT LIABLE FOR ERRORS ONCE CONSTRUCTION HAS BEGUN.

WHILE EVERY EFFORT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE DESIGNER CAN NOT GUARANTEE AGAINST HUMAN ERROR.

THE CONTRACTOR OF THE JOB MUST CHECK AND DIMENSIONS AND OTHER DETAILS PRIOR TO CONSTRUCTION AND BE SOLELY RESPONSIBLE THEREAFTER.

FLOOR AND ROOF SYSTEMS
- ALL PRE MANUFACTURED FLOOR SYSTEMS INCLUDING BEAMS, FLOOR JOISTS, OR ANY OTHER COMPONENT IN THE FLOOR MUST BE ENGINEERED BY SUPPLIER.
-ALL ROOF TRUSSES MUST BE DESIGNED AND ENGINEERED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL BUILDING AREA
-ANY OTHER STRUCTURAL COMPONENTS REQUIRED MUST BE CHECKED AND VERIFIED BY LOCAL BUILDING AUTHORITY AND/OR STRUCTURAL ENGINEER REGISTERED IN THE LOCAL BUILDING AREA. AND ANY CHANGES REQUIRED MUST BE REPORTED TO THIS OFFICE

-IT IS THE RESPONSIBILITY OF THE FLOOR JOIST AND ROOF TRUSS DESIGNER TO CONFIRM ALL OVER HANGS, ROOF SLOPES AND GENERAL ROOF AND FLOOR DESIGN AGAINST THE MOST CURRENT SET OF BUILDING PERMIT PLANS PRIOR TO ANY FACTORY PRODUCTION
-IT IS THE RESPONSIBILITY OF THE ROOF AND FLOOR SUPPLIERS DESIGNERS TO CONTACT THE PROJECT DESIGNER WITH ANY QUESTIONS OR CONCERNS PRIOR TO FACTORY PRODUCTION COMMENCING

FLOOR JOISTS AND PRE-MANUFACTURED BEAMS OTHER THAN DIMENSIONAL LUMBER ARE TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND DETAILS

PROFESSIONAL INVOLVEMENT
•THE FOLLOWING CONCRETE FOUNDATIONS ARE TO BE DESIGNED BY A PROFESSIONAL ENGINEER OR ARCHITECT, REGISTERED TO PRACTICE IN THE PROVINCE OF ALBERTA; PILE FOUNDATIONS, PILE AND GRADE BEAM FOUNDATIONS, FOUNDATIONS WITH A DEPTH OF LESS THAN 1.2 M (4'), AND COMPLICATED FOUNDATIONS DEEMED NECESSARY BY THE BUILDING SAFETY OFFICER.

FOUNDATION AND FLOOR SLABS

•FOUNDATIONS ARE TO BE PLACED ON SOIL WITH A MINIMUM BEARING CAPACITY OF 75 KPA AS BEFORE THE FOOTINGS ARE POURED AND THE OWNER MUST PROVIDE A COPY OF THE BEARING CERTIFICATE FROM THE GEO-TECHNICAL ENGINEER WHEN REQUESTING THE INSPECTION OF THE FOUNDATION.
•FOUNDATIONS THAT ARE UNHEATED OR HAVE LIMITED EXPOSURE TO HEAT, SUCH AS ATTACHED GARAGES AND COLUMN PADS FOR DECKS ARE TO BE A MINIMUM OF1.2M OR 2M BELOW FINISHED GRADE AS REQUIRED BASED ON BUILDING ZONE.
•EXCAVATIONS AND FOUNDATIONS SHALL BE KEPT FREE FROM WATER AND SHALL BE HEATED AS NECESSARY TO PREVENT THE FREEZING OF SOILS BENEATH FOUNDATIONS.
•WHEN A CONCRETE FOUNDATION IS BEING POURED AND THE TEMPERATURE IS BELOW 5 C THE FOUNDATION MUST BE KEPT AT 10 C FOR MINIMUM 72 HOURS. NO EXCEPTIONS.
•SOFFIT PROTECTION IS REQUIRED WHERE EAVES ARE NEARER THAN 1.2 METERS TO PROPERTY LINE. MAY BE ACHIEVED BY INSTALLING UN-VENTED SOFFIT OR BY INSTALLING 1/2" DRYWALL OR PLYWOOD OR .38MM SHEET STEEL UNDER SOFFIT. EXTRA ATTIC VENTILATION MAY BE REQUIRED. ENSURE THE 1/300 VENTILATION AREA TO ROOF AREA IS MAINTAINED.
•INTERIOR OF ATTACHED GARAGE IS TO BE FINISHED AS PER 9.35.4.1. (TYPICALLY ELECTRICAL INSTALLATION, INSULATION, 6M POLY, & 1/2"DRYWALL).
•MINIMUM 34" X 34" LANDING REQUIRED IN ATTACHED GARAGE AT PASSAGE DOOR INTO HOUSE IF MORE THAN THREE RISERS AND STAIRS WITH GRASP-ABLE HANDRAIL SHALL BE PROVIDED. ALBERTA BUILDING CODE 2023 SECTIONS 9.8.6.2.4, 9.8.7.1.3

•ANY EXCAVATION FOR FOUNDATIONS IS TO EXTEND TO UNDISTURBED SOIL AND BELOW THE DEPTH OF FROST PENETRATION A MINIMUM OF 1.2 M (4') OR 2.0M (6'6-3/4") AS REQUIRED BY BUILDING ZONE.
•THE CONSTRUCTION OF ICF (INSULATED CONCRETE FORM) FOUNDATION AND WALLS MUST CONFORM TO THE NATIONAL BUILDING CODE 2023 - ALBERTA EDITION AND TO THE FOLLOWING CONDITIONS:
•MUST MEET REQUIREMENTS OF CCMC EVALUATION REPORT AND USED IN ACCORDANCE WITH LIMITATIONS AND CONDITIONS STATED IN THIS REPORT.
•MUST BE ERECTED UNDER DIRECT SUPERVISION OF THE MANUFACTURER OR BY A CERTIFIED INSTALLER.
•MUST BE IN STRICT COMPLIANCE WITH THE MANUFACTURER'S TECHNICAL MANUAL.
•MUST BE PROTECTED FROM THE INSIDE BY A THERMAL BARRIER, I.E.1/2" DRYWALL.

- FOUNDATION WALL CONTAINING OPENINGS MORE THAN 1.2 M LONG OR CONTAINING OPENINGS IN MORE THAN 25% OF ITS LENGTH, THAT PORTION OF THE WALL BENEATH SUCH OPENINGS SHALL BE CONSIDERED LATERALLY UNSUPPORTED, UNLESS THE WALL AROUND THE OPENING IS REINFORCED TO WITHSTAND THE EARTH PRESSURE.
- WHEN THE LENGTH OF SOLID WALL BETWEEN WINDOWS IS LESS THAN THE AVERAGE LENGTH OF THE WINDOWS, THE COMBINED LENGTH OF SUCH WINDOWS SHALL BE CONSIDERED AS A SINGLE OPENING FOR THE PURPOSE OF DETERMINING IF A WALL IS LATERALLY UNSUPPORTED.
- FOUNDATION WALLS ARE TO BE REINFORCED WHERE STAIR WELLS ARE ADJACENT TO STAIR OPENINGS AND ARE NOT LATERALLY SUPPORTED.
- FOOTINGS ARE TO REST ON UNDISTURBED SOIL, ROCK, OR COMPACTED GRANULAR FILL.
- SULPHATE RESISTING CEMENT IS TO BE USED FOR CONCRETE IN CONTACT WITH SULPHATE SOILS DELETERIOUS TO NORMAL CEMENT.
- SULPHATE RESISTANT CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 32 MPA (2,175 PSI).
- WHERE A FOUNDATION RESTS ON GRAVEL, SAND OR SILT IN WHICH THE WATER TABLE IS LESS THAN THE WIDTH OF THE FOOTINGS BELOW THE BEARING SURFACE, THE FOOTING IS TO BE NOT LESS THAN TWICE THE WIDTH NORMALLY REQUIRED.
- IN AREAS WHICH SOIL MOVEMENT CAUSED BY CHANGES IN SOIL MOISTURE CONTENT IS KNOWN TO OCCUR TO THE EXTENT THAT IT MAY CAUSE SIGNIFICANT DAMAGE TO A BUILDING, MEASURES ARE TO BE TAKEN TO MINIMIZE THIS EFFECT.

WHEN A FOUNDATION IS LOCATED IN AN AREA WHERE SOIL MOVEMENT CAUSED BY CHANGES IN SOIL BY CHEMICAL-MICROBIOLOGICAL OXIDATION (PYRITE OR BENTONITE MATERIAL) IS KNOWN TO OCCUR, A SUBSURFACE INVESTIGATION SHALL BE CARRIED OUT AND SUBMITTED BY A PROFESSIONAL ENGINEER AND SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PRIOR TO THE COMMENCEMENT OF FOUNDATION WORK.
•UNLESS SHOWN TO BE UNNECESSARY, FOUNDATION DRAINAGE IS TO BE INSTALLED. IT IS TO BE AT LEAST 100 MM (4") DIAMETER WEEPING TILE LAID ON UNDISTURBED OR WELL COMPACTED SOIL WITH NOT LESS THAN 150 MM (6") GRANULAR COVER ON THE TOP AND SIDES, DRAINING TO A BUILDING DRAIN, STORM DRAIN, DRAINAGE DITCH, DRY WELL OR TO THE GROUND SURFACE (CHECK YOUR LOCAL BYLAWS FOR LOCAL REQUIREMENTS).
FOUNDATION DRAINS ARE TO DRAIN TO A SEWER, DRAINAGE DITCH OR DRYWELL.
•WHERE A SUMP PIT IS REQUIRED TO BE PROVIDED, IT IS TO BE:
A) NOT LESS THAN 750 MM (30") DEEP,
B) NOT LESS THAN 0.25 M° (2.7 FT°) IN AREA, AND
C) BE PROVIDED WITH A COVER.
COVERS FOR SUMP PITS ARE TO BE DESIGNED TO RESIST REMOVAL BY CHILDREN.

- CONCRETE SLABS-ON-GROUND ARE TO BE AT LEAST 75 MM (3") THICK EXCLUSIVE OF TOPPING ON TOP OF 0.15 MM (6 MIL) POLYETHYLENE OR TYPE "S" ROLL ROOFING DAMP-PROOFING.
- WHEN STEP FOOTINGS ARE USED, THE VERTICAL RISE BETWEEN HORIZONTAL PORTIONS IS NOT TO EXCEED 600 MM (2') AND HORIZONTAL DISTANCE BETWEEN RISERS IS NOT TO BE LESS THAN 600 MM (2').

- BUILDING ANCHORAGE TO BE PROVIDED BY EMBEDDING IN CONCRETE TWO 38 MM X 89 MM (2"X 4") SILL PLATES PLACED ON EDGE AND SEPARATED BY BLOCKING SPACED 1.2 M (4') O.C., OR FASTENING THE SILL PLATE TO THE FOUNDATION WITH NOT LESS THAN 12.7 MM (1/2") ANCHOR BOLTS SPACED NOT MORE THAN 2.4 M (8') O/C, OR EMBEDDING ENDS OF THE FIRST FLOOR JOISTS IN CONCRETE
- ALL WALL, FLOOR AND ROOF ASSEMBLIES SEPARATING CONDITIONED SPACE FROM GROUND SHALL BE PROTECTED BY AN AIR BARRIER SYSTEM CONFORMING TO ABC 2023 9.25.3 AND SHALL BE PROVIDED WITH A ROUGH IN FOR FUTURE INSTALLATION OF A RADON EXTRACTION SYSTEM CONFORMING TO ABC 9.13.40.3

CONSTRUCTION ABOVE FOUNDATION
- USE ONLY SURFACE DRIED, GRADE STAMPED LUMBER.
- END BEARING OF JOISTS AND RAFTERS TO BE NOT LESS THAN 38 MM (1 1/2").
- WOOD SIDING IS NOT TO EXTEND WITHIN 200 MM (8") OF FINISHED GRADE.
- FLASHING SHALL BE INSTALLED AT EVERY HORIZONTAL JUNCTION BETWEEN 2 DIFFERENT EXTERIOR FINISHES, EXCEPT WHERE THE UPPER FINISH OVERLAPS THE LOWER FINISH.

• FLASHING SHALL BE APPLIED OVER EXTERIOR WALL OPENINGS WHERE THE VERTICAL DISTANCE FROM THE BOTTOM OF THE EAVE TO THE TOP OF THE TRIM IS MORE THAN ONE-QUARTER OF THE HORIZONTAL OVERHANG OF THE EAVE.
• FLASHING SHALL BE INSTALLED SO THAT IT EXTENDS UPWARDS NOT LESS THAN 50 MM BEHIND THE SHEATHING PAPER AND FORMS A DRIP ON THE OUTSIDE EDGE.
• FLASHING SHALL CONSIST OF NOT LESS THAN
A) 0.73 MM THICK SHEET LEAD,
B) 0.33 MM THICK GALVANIZED STEEL,
C) 0.46 MM THICK COPPER,
D) 0.46 MM THICK ZINC,
E) 0.48 MM THICK ALUMINUM. STAIRS, GUARDS & HANDRAILS

STAIRS

- STAIRS ARE TO HAVE A MAXIMUM RISE OF 200 MM (7 7/8"), MINIMUM RUN OF 255 MM (10"), MINIMUM TREAD WIDTH OF 280 MM (11"), A STAIR WIDTH OF LEAST 860 MM (34") AND A HEADROOM CLEARANCE OF AT LEAST 1.95 IN (6' 4"). CLEAR HEADROOM OVER STAIRS, BELOW BEAMS AND DUCTING IS 1.85 M. CURVED STAIRS AND WINDERS SHALL CONFORM TO ARTICLE 9.8.5.
- STAIRS MAY CONTAIN WINDERS PROVIDED THE WINDERS MEET AT A CENTER POINT THROUGH AN ANGLE OF NOT MORE THAN 90° AND THE INDIVIDUAL TREADS TURN THROUGH A 30° ANGLE, OR A 45° ANGLE, WITH NO DEVIATIONS ABOVE OR BELOW THOSE ANGLES. ONLY ONE SET OF WINDERS IS PERMITTED BETWEEN EACH FLOOR LEVEL.
- AT LEAST ONE STAIR BETWEEN EACH FLOOR LEVEL WITHIN A DWELLING UNIT AND EXTERIOR STAIRS SERVING THE DWELLING UNIT ARE TO HAVE A WIDTH OF NOT LESS THAN 800 MM (31")
- INTERIOR AND/OR EXTERIOR STAIRS WITH MORE THAN 3 RISERS ARE TO HAVE A HANDRAIL MOUNTED BETWEEN 865 MM (34") AND 965 MM (38") ABOVE THE LINE OF STAIR NOSING.
- A LANDING IS TO BE PROVIDED AT THE TOP OF STAIRS FROM AN ATTACHED GARAGE TO A DWELLING UNIT WHERE THERE ARE MORE THAN 3 RISERS OR THE DOOR SWINGS TOWARDS THE STEPS.
- SECONDARY ENTRANCES TO THE DWELLING THAT ARE OVER 3 RISERS IN HEIGHT REQUIRE A LANDING AT THE TOP OF THE STAIRS.
- A GUARD FOR STAIRS IS TO BE NOT LESS THAN 900 MM (36") HIGH MEASURED VERTICALLY FROM A LINE DRAWN THROUGH THE OUTSIDE EDGES OF THE STAIR NOSING, AND 900 MM (36") IN HEIGHT AT LANDINGS.
- AN EXTERIOR RAISED DECK OR BALCONY IS TO BE PROTECTED ON ALL OPEN SIDES THAT ARE BETWEEN 600 MM (24") AND 1.8 M (6') ABOVE ADJACENT GROUND LEVEL BY GUARDS 900 MM (36") IN HEIGHT. IF THE ADJACENT GROUND LEVEL IS MORE THAN 1.8 M (6') A 1,070 MM (42") HIGH GUARD IS REQUIRED.

INSULATION
- INSULATION IS TO BE PROVIDED IN ASSEMBLIES BETWEEN HEATED AND UNHEATED SPACES AND THE BUILDING EXTERIOR.
- A CONTINUOUS 0.15 MM (6 MIL) VAPOR BARRIER, CGSB APPROVED, IS TO BE PROVIDED ON THE WARM SIDE OF THE INSULATION.
- INSULATION TO FOLLOW THE REQUIREMENTS SET OUT IN ABC 2023, 9.36

• FOAMED PLASTIC INSULATION IS TO BE PROTECTED BY AN APPROVED THERMAL BARRIER (I.E., 12 MM (1/2") GYPSUM WALLBOARD) WHICH IS TO BE INSTALLED AT THE WARM SIDE OF THE INSULATION.

- WHERE INSULATION IS EXPOSED TO THE WEATHER AND SUBJECT TO MECHANICAL DAMAGE, IT IS TO BE PROTECTED WITH AT LEAST 6 MM (1/4") ASBESTOS-CEMENT BOARD OR 12 MM (1/2") CEMENT PARGING ON WIRE LATH.
- INSULATION AND VAPOR BARRIER IN AN UNFINISHED BASEMENT THAT IS CLOSE TO LAUNDRY AREAS, FURNACES OR OTHER AREAS WHERE IT IS SUBJECT TO PHYSICAL DAMAGE, MUST BE PROTECTED WITH DRYWALL OR EQUIVALENT MATERIAL.

HEATING AND VENTILATION
- FACTORY-BUILT FIREPLACES AND THEIR CHIMNEYS ARE TO HAVE A LABEL SHOWING THAT THEY CONFORM TO ULC S610, "STANDARD FOR FACTORY BUILT FIREPLACES".
- WOOD STOVES, RANGES AND SPACE HEATERS WHICH ARE CERTIFIED AND HAVE A LABEL, ARE TO BE INSTALLED AS PER THE MANUAL SUPPLIED. UNCERTIFIED WOOD STOVES, RANGES AND SPACE HEATERS ARE TO BE INSTALLED WITH CLEARANCES OF AT LEAST 1.2 M (4' 0") ON ALL SIDES AND FRONT, PLUS 1.5 M (5' 0") AT THE TOP UNLESS OTHERWISE APPROVED; AND ON A NON-COMBUSTIBLE FLOOR SURFACE.

• COMBUSTION AIR IS REQUIRED FOR ALL FUEL FIRED APPLIANCES, INCLUDING FIREPLACES; INTRODUCED BY AIR INTAKES OTHER THAN A DOOR OR WINDOW.
• THE COMBUSTION AIR INLET IS NOT TO BE LOCATED WITHIN AN ATTIC OR ROOF SPACE, NOR WITHIN A CRAWL SPACE.
• CHIMNEYS ARE TO EXTEND AT LEAST 900 MM (36") ABOVE ANY CONNECTING ROOF SURFACE AND 600 MM (24") ABOVE ANY ROOF SURFACE WITHIN 3 M (10' 0") AND THEY ARE TO BE EQUIPPED WITH A WATERPROOF CAP.
• THE ROOF OR ATTIC SPACE IS TO BE PROVIDED WITH AN UNOBSTRUCTED VENT AREA OF NOT LESS THAN 1/300 OF THE INSULATED CEILING AREA, DISTRIBUTED TO PROVIDE GOOD CROSS VENTILATION.
• WHEN VENTILATING A CATHEDRAL CEILING, IT IS TO HAVE A 75 MM (3") AIR SPACE BETWEEN THE INSULATION AND THE ROOF SHEATHING, OR SHALL HAVE AT LEAST 38 MM X 38 MM (2" X 2") CROSS PURLINS APPLIED ACROSS THE TOP OF THE JOIST AND THE INSULATION SHALL BE 25 MM (1") BELOW THE TOP OF THE JOISTS.
• CRAWL SPACES ARE TO BE VENTILATED BY NATURAL OR MECHANICAL MEANS. NATURAL VENTILATION IS TO BE NOT LESS THAN 0.1 IN° (1 FT.) OF UNOBSTRUCTED VENT FOR EVERY 50 M° (538 FT°.) OF FLOOR AREA.
• DUCTWORK FOR RANGE HOODS AND RANGE-TOP FANS ARE TO:
A) BE OF NONCOMBUSTIBLE, CORROSION —RESISTANT MATERIAL,
B) LEAD DIRECTLY TO THE OUTDOORS WITH NO CONNECTIONS TO OTHER EXHAUST FANS OR DUCTS, AND
C) BE EQUIPPED WITH A GREASE FILTER AT THE INTAKE END.
• EXHAUST FROM KITCHEN OR WASHROOM FANS IS TO BE DUCTED DIRECTLY TO THE OUTSIDE AND THE DUCT IS TO BE INSULATED TO NOT LESS THAN RSI 0.5 (R-2.85), WHERE PASSING THROUGH AN UNHEATED SPACE.
• ALL SUPPLY AIR DUCTS NOT FITTED WITH ADJUSTABLE DIFFUSERS ARE TO HAVE ADJUSTABLE DAMPER FITTED WITH AN EXTERNAL POSITION INDICATOR.
• JOINTS IN SUPPLY, RETURN AND MAKE-UP AIR DUCTS ARE TO BE SEALED WITH MASTIC, METAL FOIL DUCT TAPE OR THE MANUFACTURER'S APPROVED SEALANT.
• HOMES INTENDED FOR USE IN THE WINTER MONTHS ON A CONTINUING BASIS MUST BE EQUIPPED WITH HEATING FACILITIES CAPABLE OF MAINTAINING THE FOLLOWING INDOOR AIR TEMPERATURES AT THE OUTSIDE WINTER DESIGN TEMPERATURE:
A) 22° C FOR ALL LIVING SPACES,
B) 18° C IN UNFINISHED BASEMENTS, AND
C) 15° C IN HEATED CRAWL SPACES.
• EACH HABITABLE ROOM OR SPACE IS TO HAVE THE CAPACITY OF EXHAUSTING AND REPLACING AIR IN ACCORDANCE WITH SECTION 9.32.2., AND 9.32.3. THE SYSTEM IS TO CONSIST OF SUFFICIENT PRINCIPAL AND SUPPLEMENTARY EXHAUST FANS, OR BE VENTILATED BY USING A HRV (HEAT RECOVERY VENTILATOR).
• THE DWELLING UNIT IS TO INCORPORATE PROVISIONS FOR THE NON-HEATING SEASON VENTILATION. IF SUPPLIED WITH ELECTRICAL POWER, VENTILATION IS TO BE SUPPLIED BY THE HEATING APPLIANCE SUCH AS A FURNACE INTERCONNECTED WITH SUFFICIENT PRINCIPAL AND SUPPLEMENTARY EXHAUST FANS, OR BE VENTILATED BY USING A HRV (HEAT RECOVERY VENTILATOR).
• DWELLINGS ARE TO BE EQUIPPED WITH HIGH EFFICIENCY APPLIANCES OR HAVE SUFFICIENT MAKE-UP/COMBUSTION AIR FOR PROTECTION AGAINST DEPRESSURIZATION.
• CLOTHES DRYER VENTS ARE TO BE DUCTED TO THE OUTSIDE.
• THE PRINCIPAL VENTILATION FAN CONTROL IS TO BE WIRED SO THAT THE ACTIVATION OF THE PRINCIPAL VENTILATION FAN AUTOMATICALLY ACTIVATES THE FORCED AIR HEATING SYSTEM'S CIRCULATION FAN TO PROVIDE AN AIRFLOW NOT GREATER THAN THE SPACE-HEATING AIRFLOW.
• IF THE HOME IS HEATED WHOLLY OR PARTIALLY BY HYDRONIC RADIANT FLOOR HEATING, ENGINEERED DRAWINGS ARE TO BE SUBMITTED OF THE SPECIFIC LAYOUT. BEDROOMS LOCATED IN HYDRONICALLY HEATED AREAS ARE TO BE PROVIDED WITH A SOURCE OF FRESH AIR OTHER THAN OPENING A WINDOW. THE FRESH AIR IS TO BE PREHEATED IN WINTER. VENTILATION SYSTEMS IN A HOUSE AND SECONDARY SUITE MUST BE SEPARATE AND INDEPENDENT

NO.	DESCRIPTION	BY	DATE

SHEET TITLE:
GENERAL NOTES

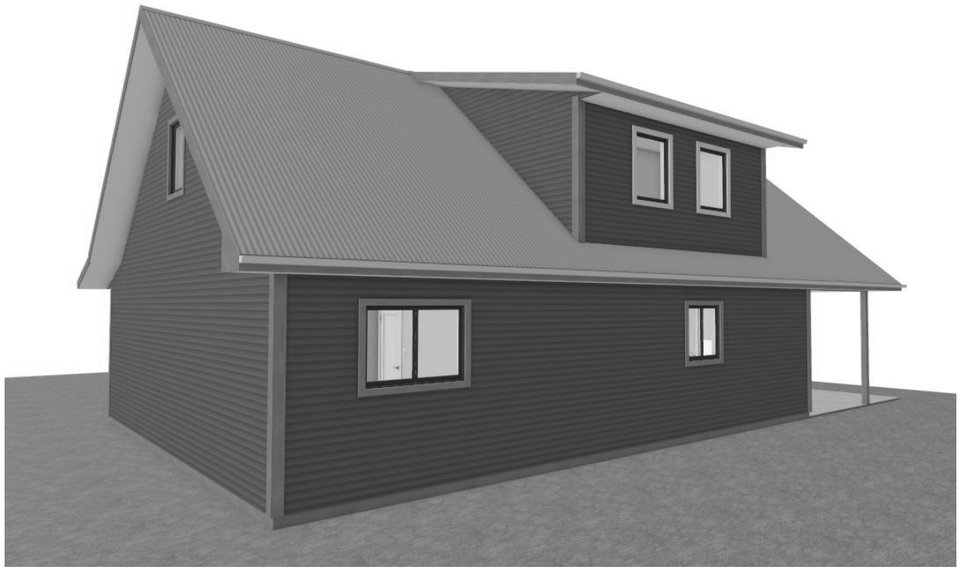
PLP DESIGN
plpdesign.drafting@gmail.com
403-601-0812
PLP DESIGN

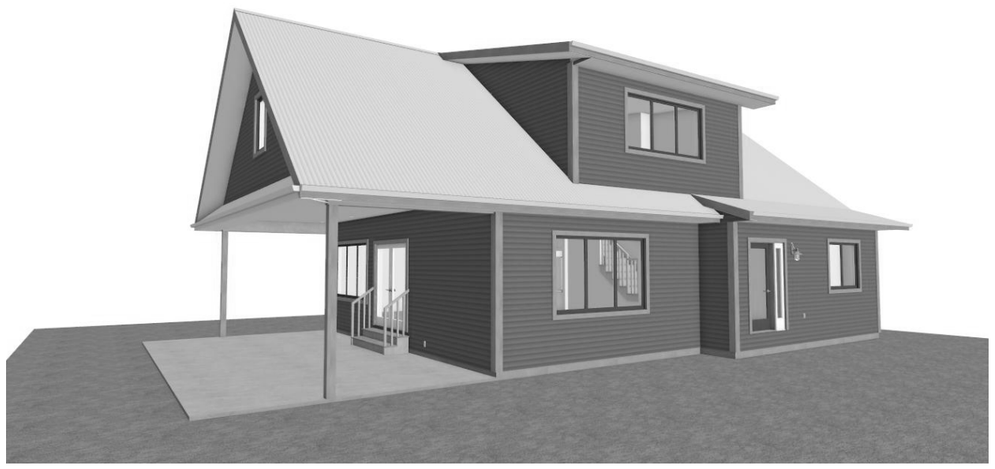
DATE:
2025-08-21

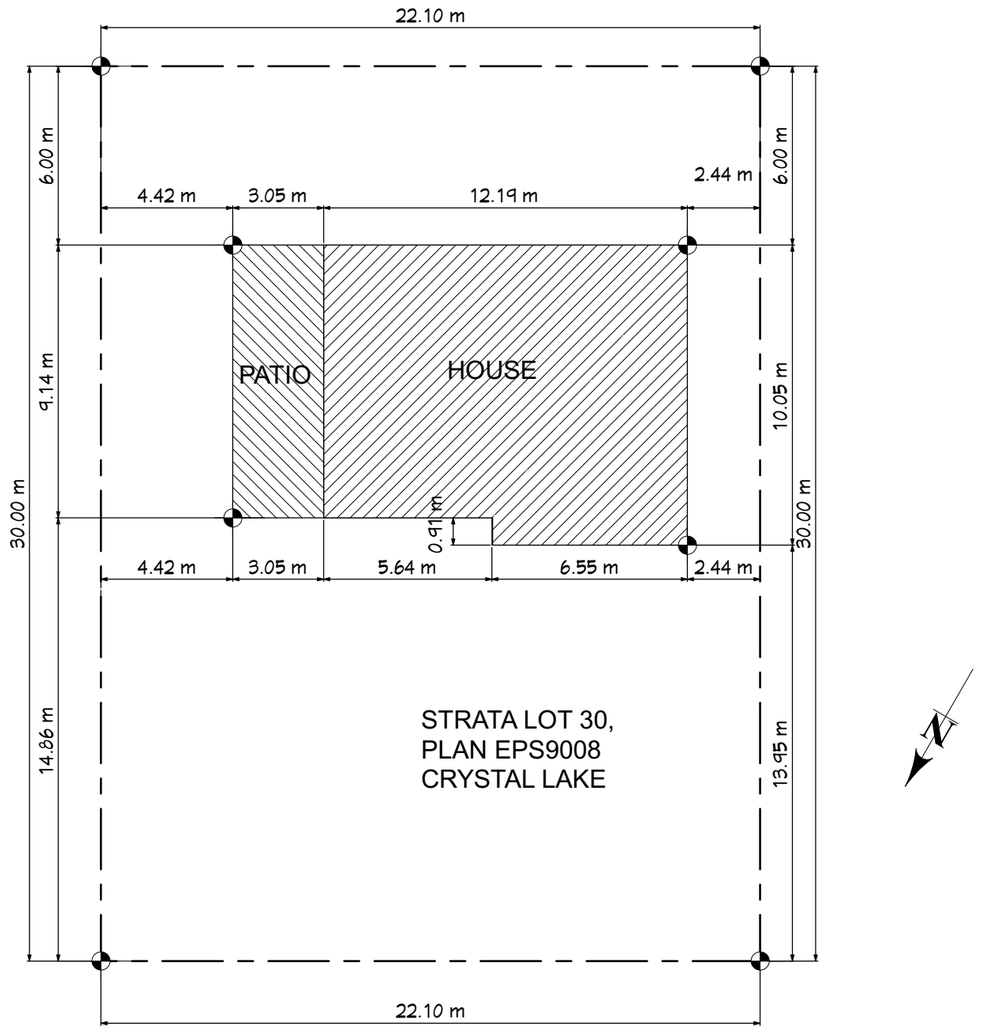
3/16" = 1'-0"

BINNION

SHEET:
A-1







STRATA ACCESS ROUTE

LOT AREA CALCULATIONS:

LOT AREA - 663 m2
HOUSE AREA - 117.43 m2

1/A2 SITE PLAN
SCALE :1:200

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: **SITE PLAN**

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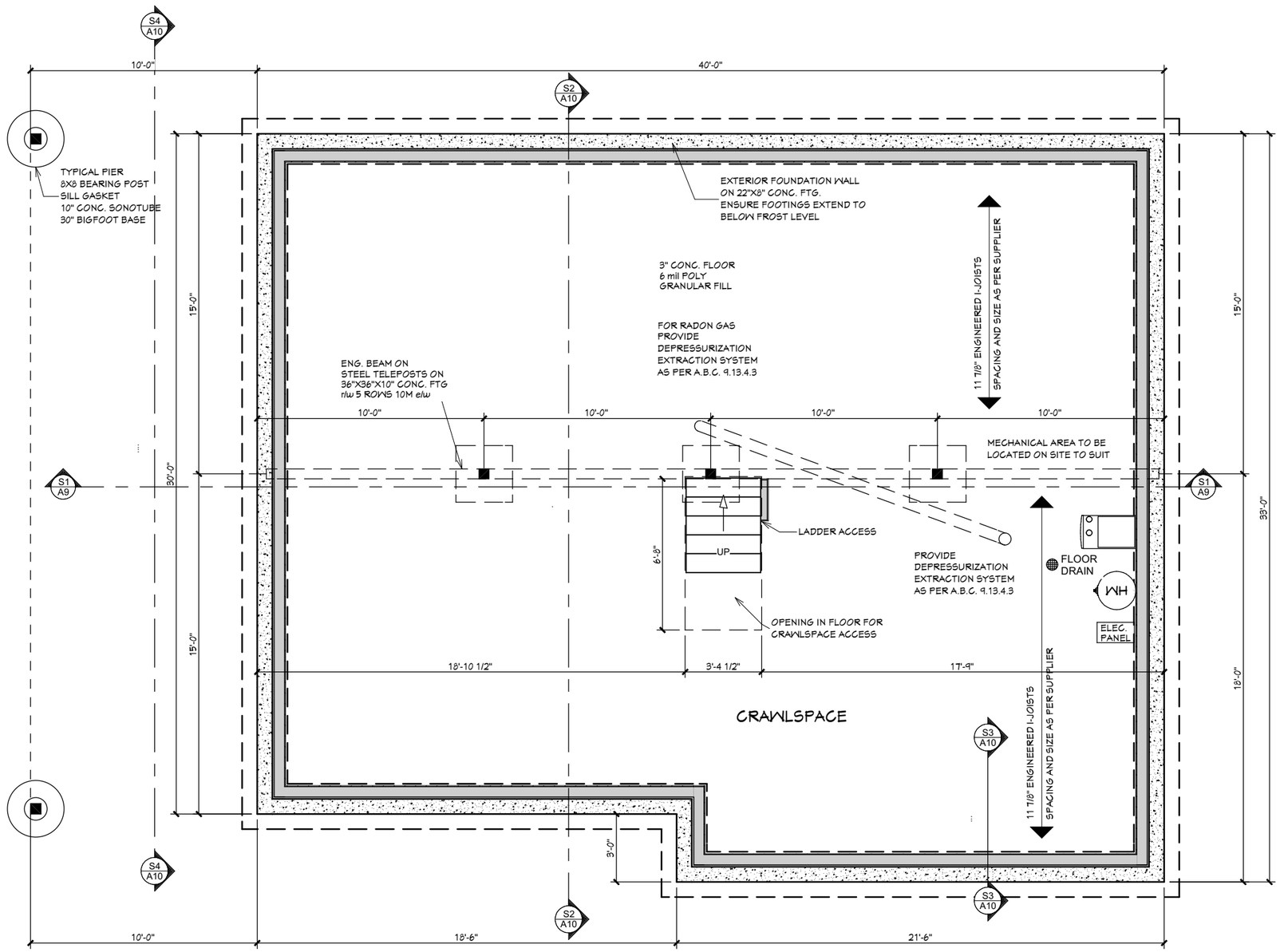
403-601-0812
PLP DESIGN

DATE: 2025-08-21

3/16" = 1'-0"

BINNION

SHEET: **A-2**



1 / A3 FOUNDATION PLAN

SCALE : 1/4" = 1'-0"

LIVING AREA
1264 SQ FT

Layout Page Table	
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A1	GENERAL NOTES
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A3	FOUNDATION PLAN
A4	MAIN FLOOR PLAN
A5	UPPER FLOOR
A6	ELEVATION
A7	ELEVATIONS
A8	EXTERIOR BRACING LOCATIONS
A9	CROSS SECTION
A10	CROSS SECTION
A11	AIR TIGHTNESS / RADON
A12	DETAILS
A13	FLASHING DETAILS
A14	WINDOW INSTALLATION DETAILS
A15	ELECTRICAL

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: **FOUNDATION PLAN**

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403-601-0812
PLP DESIGN

DATE: 2025-08-21

3/16" = 1'-0"

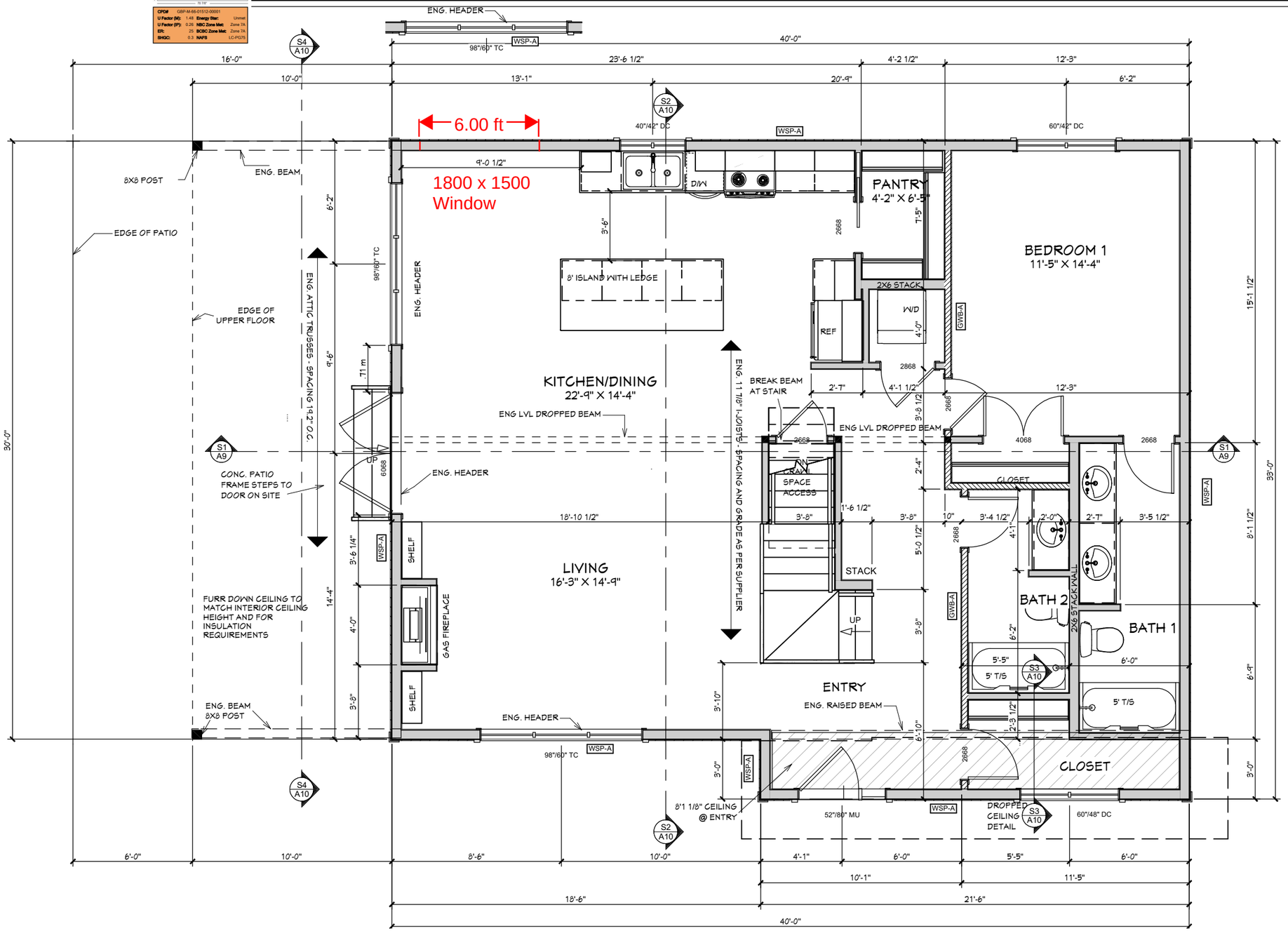
BINNION

SHEET: **A-3**

GLASS

Glass Thickness: 4/4

CPD#	GBP-M-66-01512-00001		
U Factor (M):	1.48	Energy Star:	Unmet
U Factor (IP):	0.26	NBC Zone Met:	Zone 7A
ER:	25	BCBC Zone Met:	Zone 7A
SHGC:	0.3	NAFS	LC-PG75



WOOD SHEER WALL SCHEDULE

WALL TYPE	SHEATHING	NAIL TYPE AND SPACING AT PANEL EDGE	SPACING AT PANEL EDGE	WALL BOTTOM PLATE TO RIMBOARD CONNECTION	RIMBOARD TO WALL TOP PLATE CONNECTION	SILL PLATE TO CONCRETE
WSP-A	9.5mm OSB ONE SIDE 16" oc STUDS	2,84mmX51mm	150mm oc	LTP4 @ 16"o.c.	A35 CLIPS @ 20" o.c.	1/2" DIA ANCHOR BOLTS @ 36" o.c.
GWB-A	1/2" DRYWALL BOTH SIDES 24"oc STUDS	3.45mm SHANK TYPE W, 20mm PENETRATION	300mm o.c.	N/A	N/A	N/A

NOTES:
1. ALL SHEER WALLS TO BE FULLY BLOCKED
2. NAILING AT INTERMEDIATE FIELD SUPPORTS TO BE @ 6" O.C.
3. ALL PANEL JOINTS TO BE OFFSET

1/A4 MAIN FLOOR PLAN

SCALE :3/16" = 1'-0" 1265 SQ.FT.

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: MAIN FLOOR PLAN

PLP DESIGN
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403-601-0812

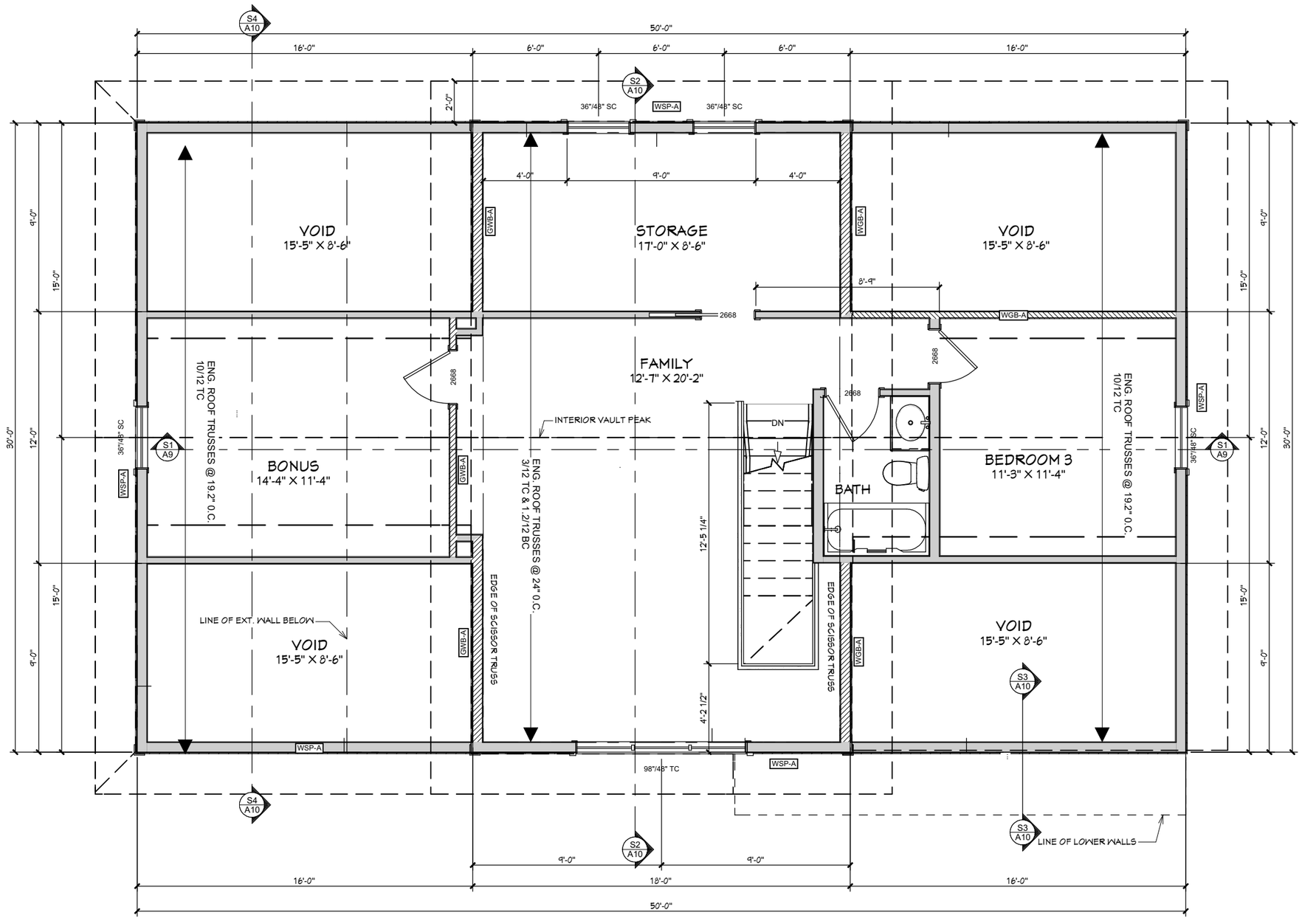
PLP DESIGN

DATE: 2025-08-21

3/16" = 1'-0"

BINNION

SHEET: A-4



1 / A5 UPPER FLOOR PLAN

SCALE :3/16" = 1'-0" 925 SQ.FT.

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: **UPPER FLOOR**

PLP DESIGN
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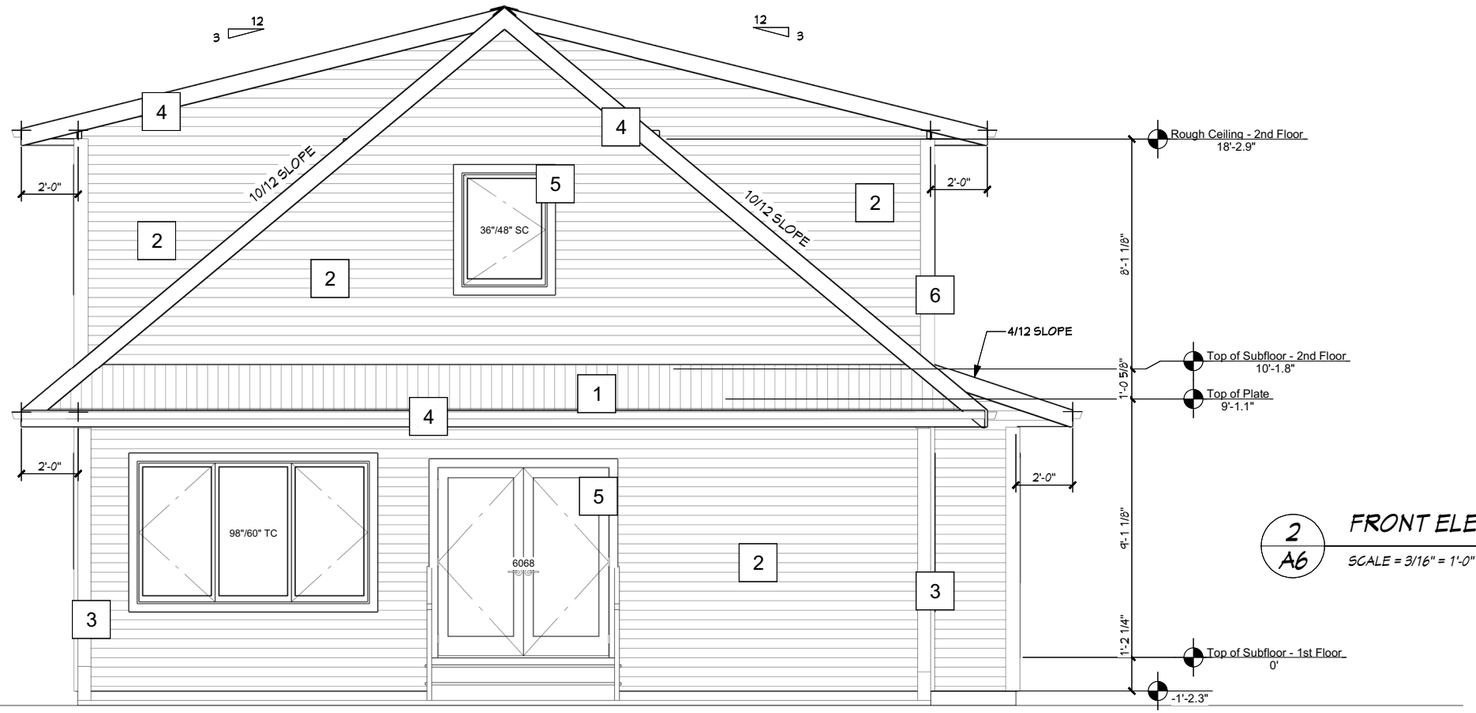
PLP DESIGN

DATE: 2025-08-21

3/16" = 1'-0"

BINNION

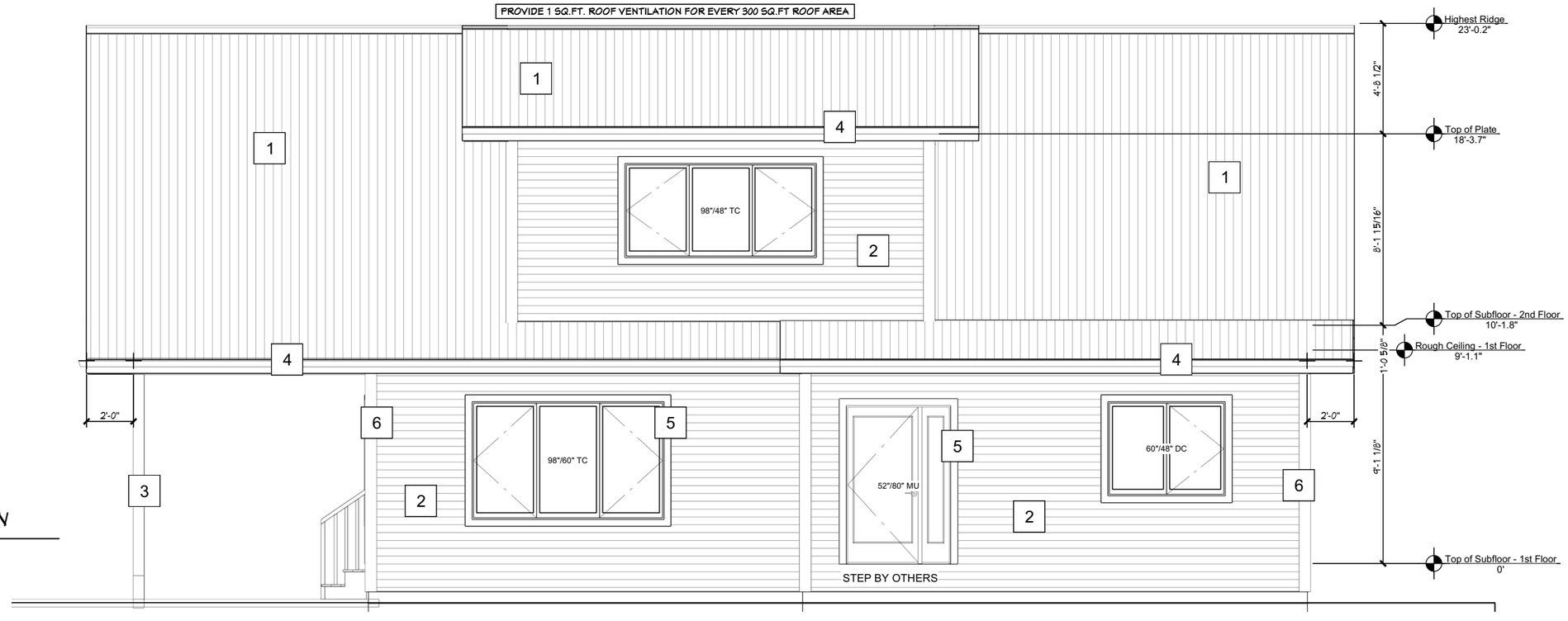
SHEET: **A-5**



EXTERIOR KEY NOTES:	
1.	METAL ROOFING
2.	HORIZONTAL LAP SIDING
3.	PAINTED POSTS/PANELS
4.	8" ALUM. FASCIA
5.	TRIM 4"
6.	OUTSIDE CORNER

2 / A6 **FRONT ELEVATION**

SCALE = 3/16" = 1'-0"



1 / A6 **RIGHT ELEVATION**

SCALE = 3/16" = 1'-0"

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: **ELEVATIONS**

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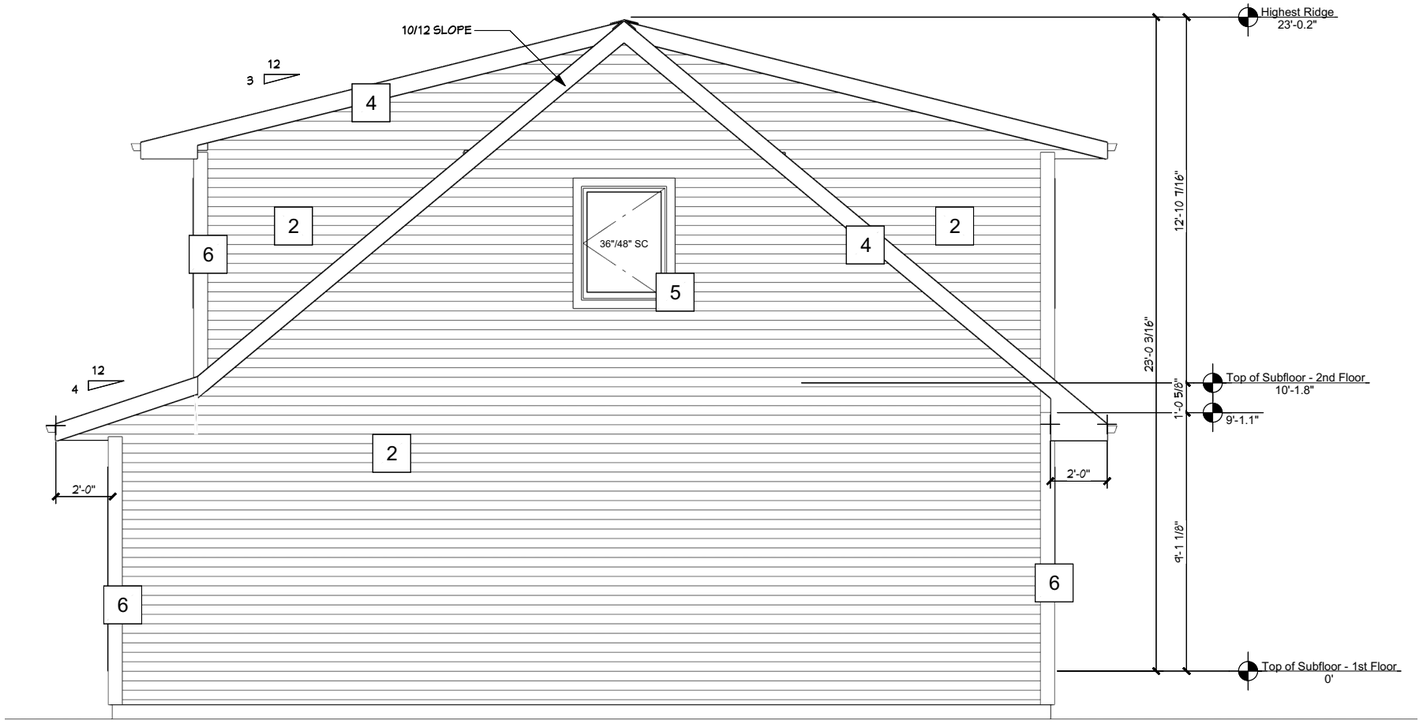
DATE: 2025-08-21

3/16" = 1'-0"

BINNION

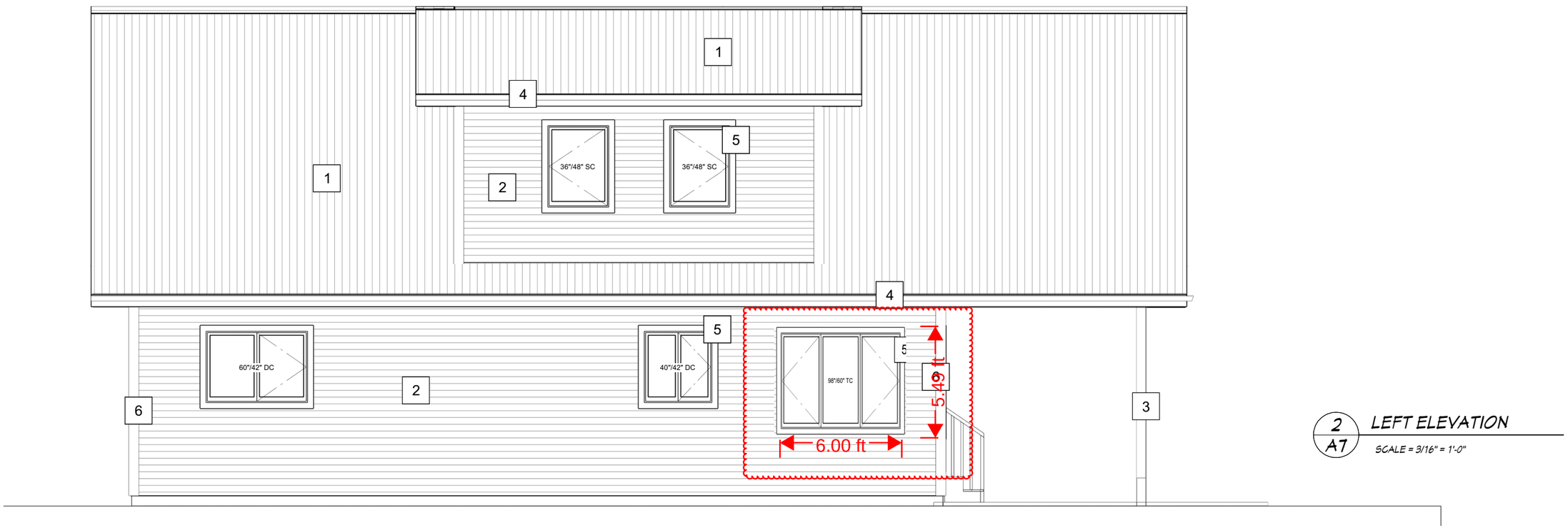
SHEET: **A-6**



EXTERIOR KEY NOTES:	
1.	METAL ROOFING
2.	HORIZONTAL LAP SIDING
3.	PAINTED POSTS/PANELS
4.	8" ALUM. FASCIA
5.	TRIM 4"
6.	OUTSIDE CORNER

2 / A7 REAR ELEVATION

SCALE = 3/16" = 1'-0"



2 / A7 LEFT ELEVATION

SCALE = 3/16" = 1'-0"

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: **ELEVATIONS**

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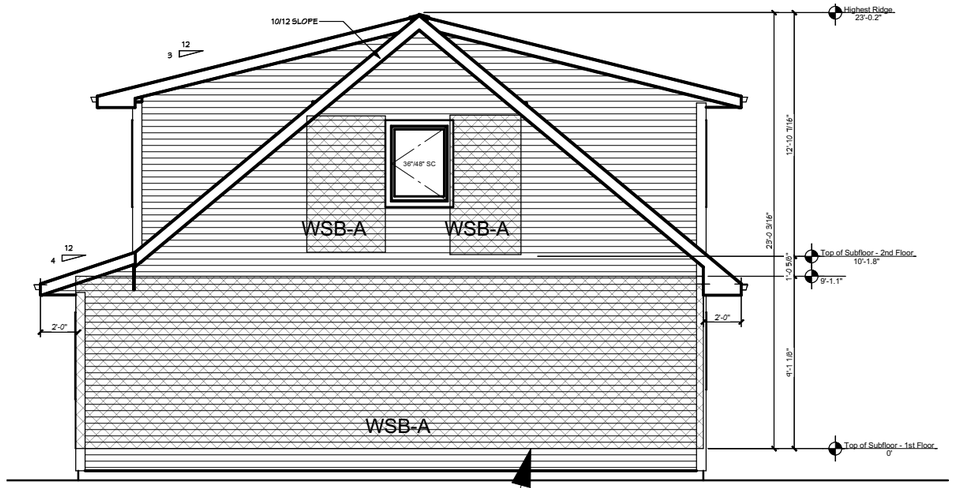
DATE: 2025-08-21

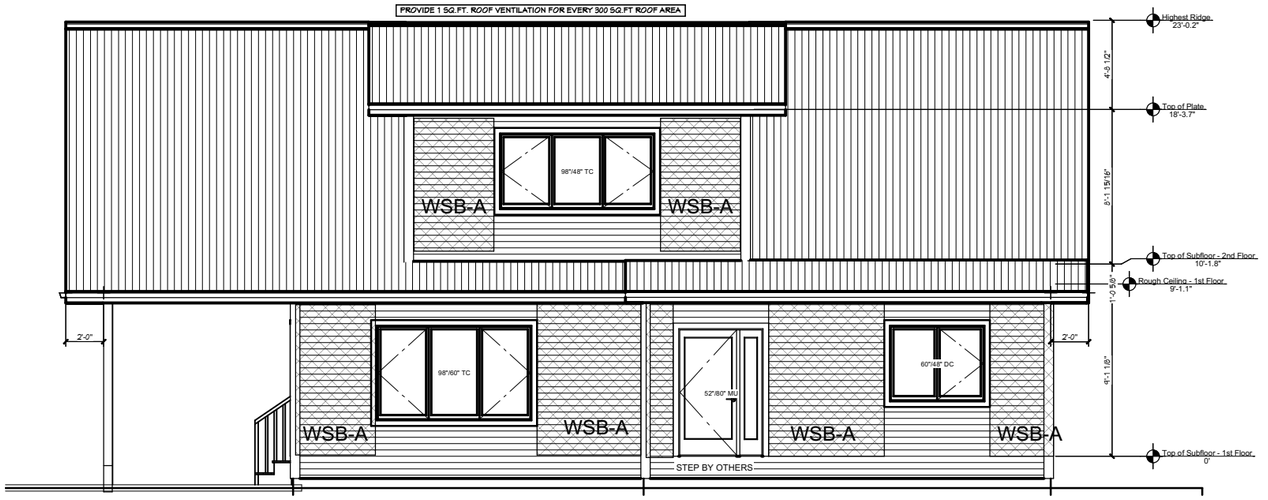
3/16" = 1'-0"

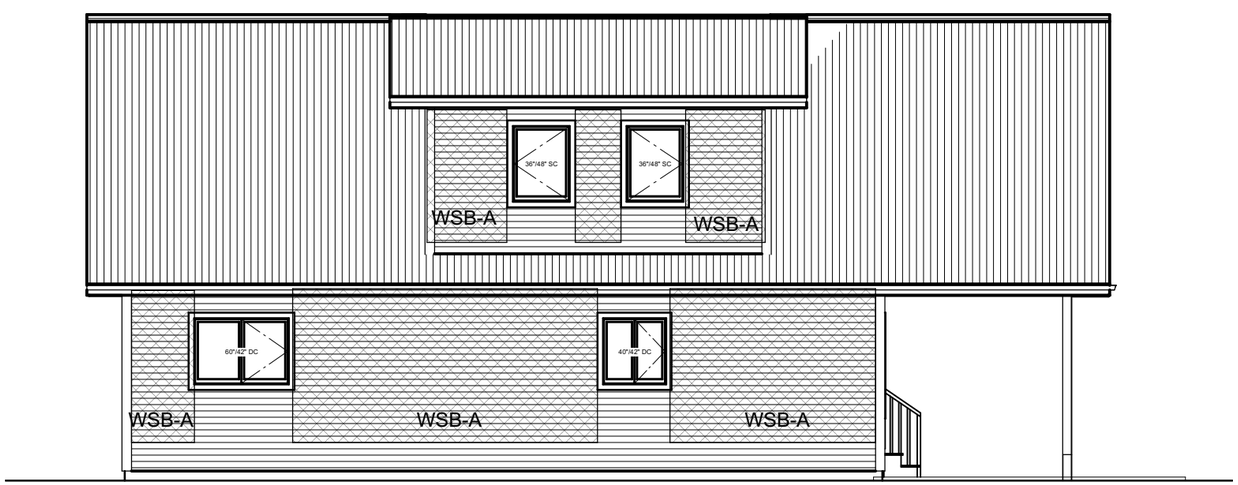
BINNION

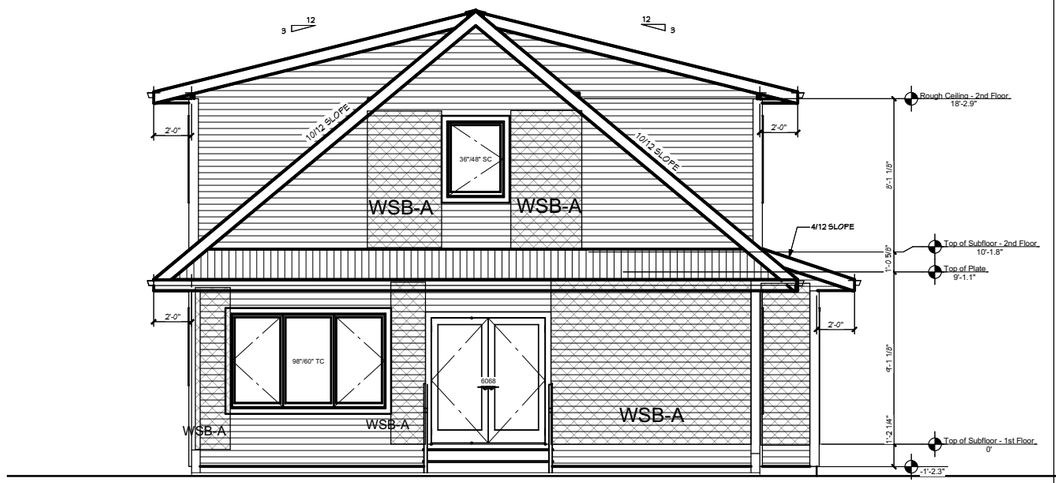
SHEET: **A-7**



WSB-A WALL PANEL BRACING AREAS SHOWN IN X-HATCHING







NO.	DESCRIPTION	BY	DATE

SHEET TITLE:
EXTERIOR BRACING LOCATIONS

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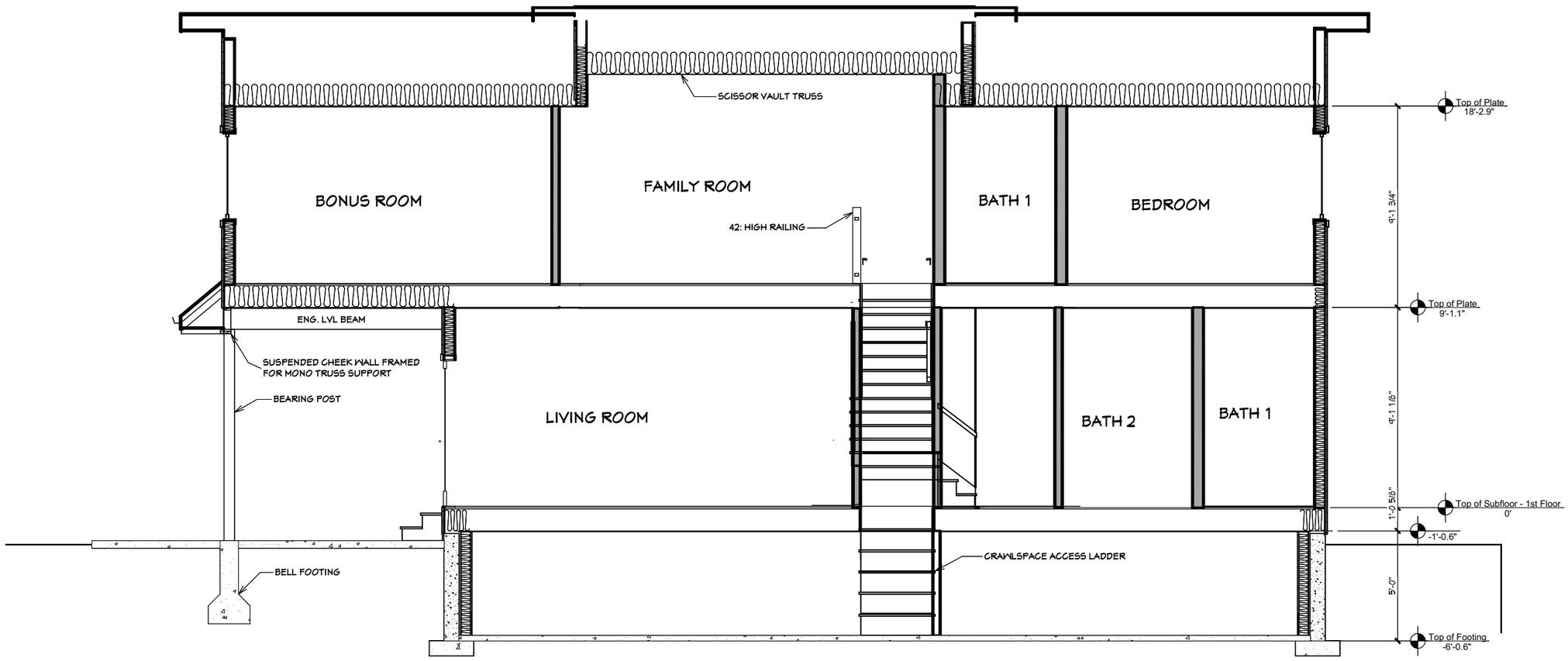
PLP DESIGN

DATE:
~~2025~~-08-21

3/16" = 1'-0"

BINNION

SHEET:
A-8



S1 / A9 CROSS SECTION S1

SCALE = 3/16" = 1'-0"

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: CROSS SECTION

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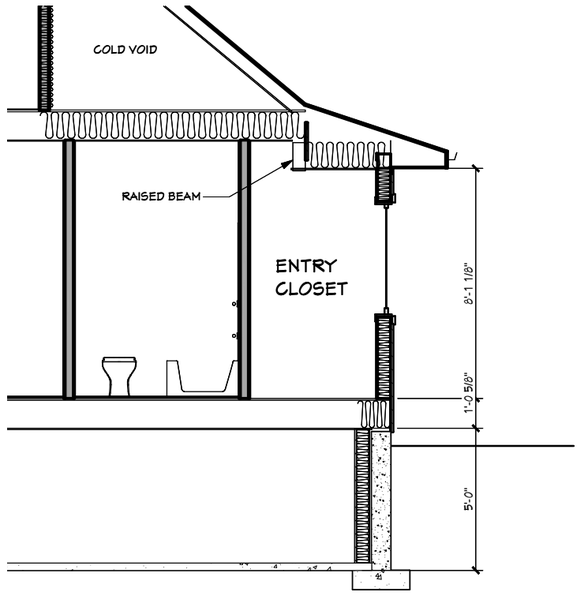
DATE: 2025-08-21

3/16" = 1'-0"

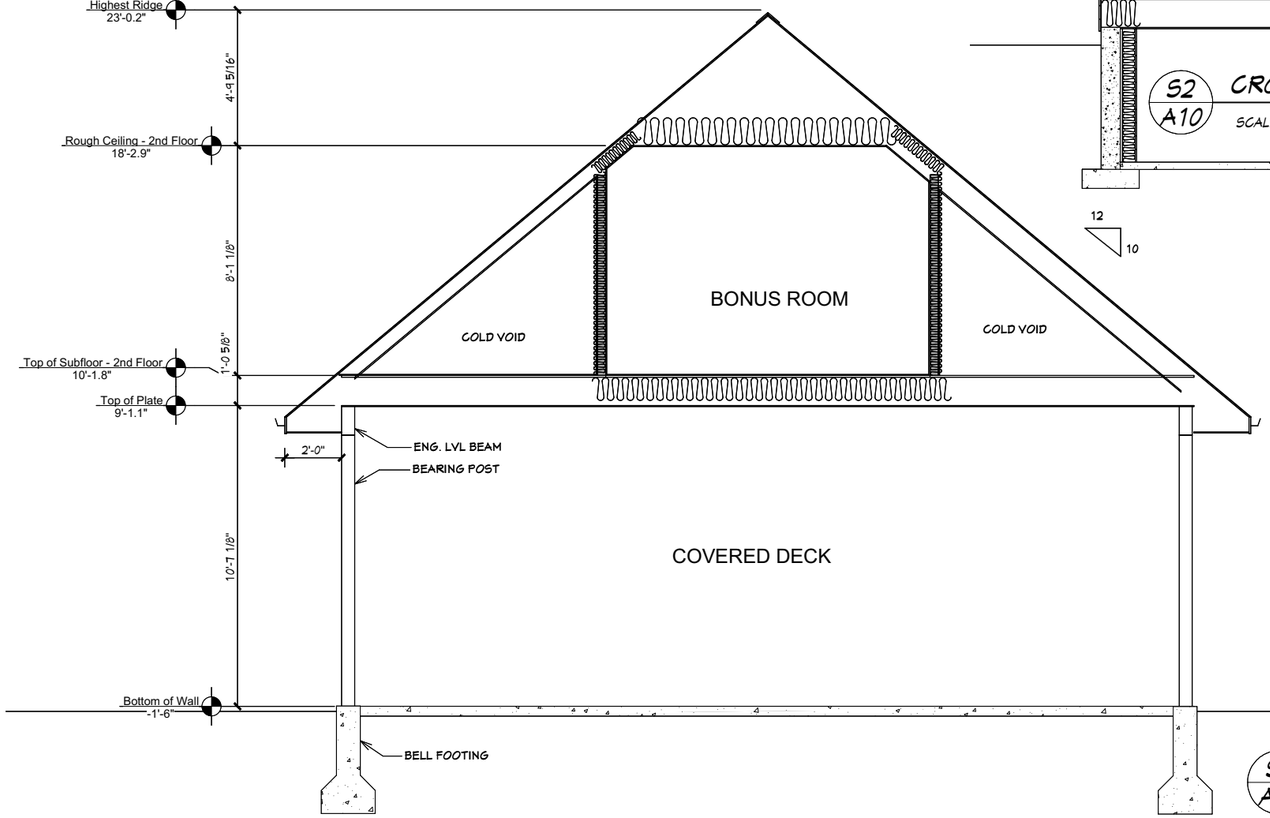
BINNION

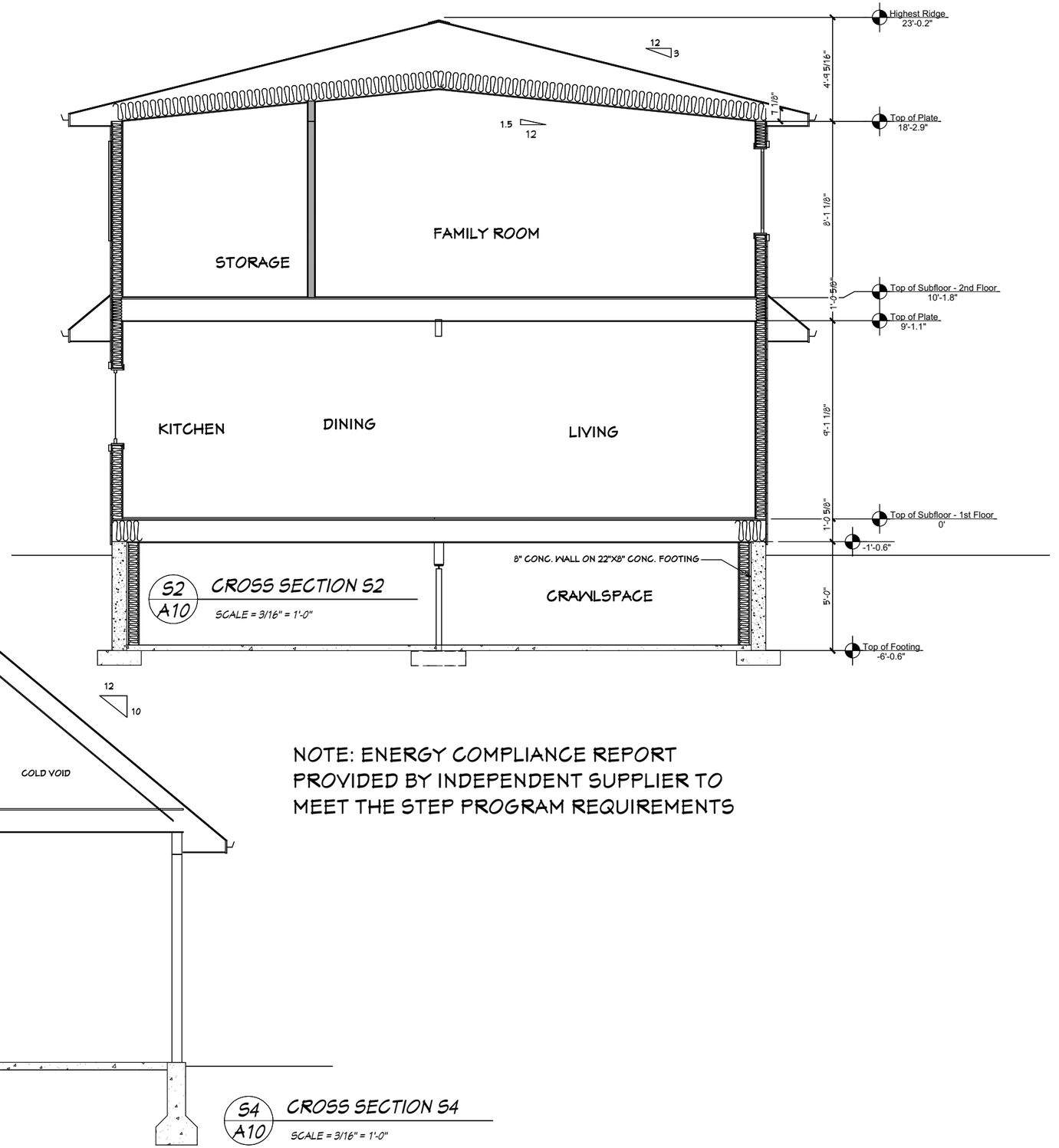
SHEET: A-9



S3 / A10 CROSS SECTION S3

SCALE = 3/16" = 1'-0"





S2 / A10 CROSS SECTION S2

SCALE = 3/16" = 1'-0"

12
10

NOTE: ENERGY COMPLIANCE REPORT PROVIDED BY INDEPENDENT SUPPLIER TO MEET THE STEP PROGRAM REQUIREMENTS

S4 / A10 CROSS SECTION S4

SCALE = 3/16" = 1'-0"

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: CROSS SECTION

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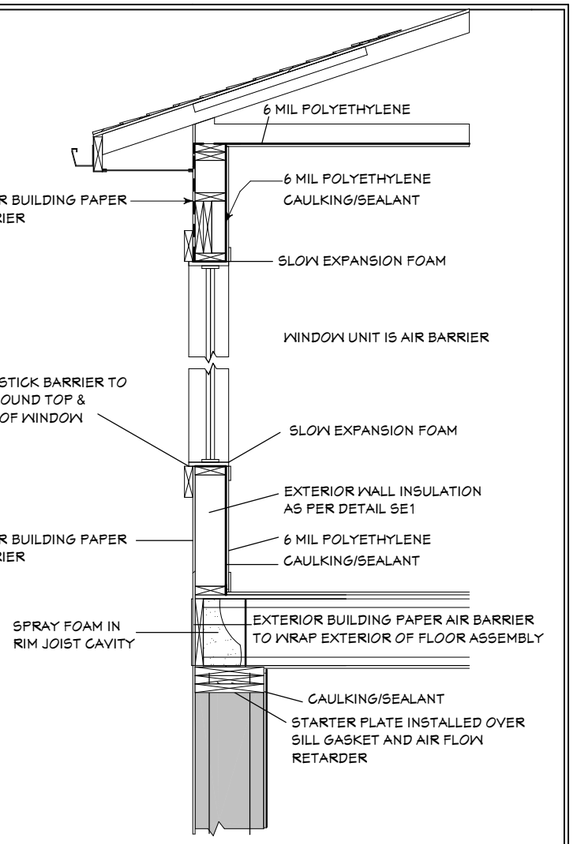
PLP DESIGN

DATE: 2025-08-21

3/16" = 1'-0"

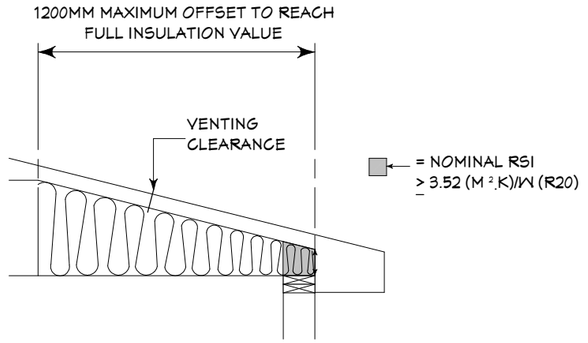
BINNION

SHEET: A-10



AIR BARRIER SYSTEM
SEALED POLYETHYLENE / LIQUID APPLY SHEATHING MEMBRANE
COMBINED CONSTRUCTION

2 / A11 AIR BARRIER



INSULATION CONTINUITY GENERAL NOTES - ABC 9.36.2.5

- A REDUCTION IN THE THERMAL RESISTANCE OF THE CEILING ASSEMBLY IN ATTICS UNDER SLOPED ROOFS IS PERMITTED FOR A LENGTH OF NO GREATER THAN 1200mm BUT ONLY TO THE EXTENT IMPOSED BY THE ROOF SLOPE AND MINIMUM VENTING CLEARANCE, PROVED THE NOMINAL THERMAL RESISTANCE OF THE INSULATION DIRECTLY ABOVE THE EXTERIOR WALL IS NOT LESS THAN R-20 / RSI - 3.52

- THE ATTIC HATCHES AND ALL PLUMBING/ELECTRICAL PENETRATIONS INTO THE ATTIC SPACE ALONG ANY GAPS, SPACES, PENETRATIONS, IRREGULARITIES THAT COULD ALLOW LEAKAGE MUST BE SEALED

- WHEN AN INTERIOR ELEMENT PENETRATES AN EXTERIOR ELEMENT AND BREAKS THE PLANE OF INSULATION, THE INTERIOR ELEMENT SHALL BE:
  - INSULATED ON BOTH SIDES OF A LENGTH 4X THE THICKNESS OF THE PENETRATED ASSEMBLY, OR
  - INSULATED WITHIN THE PLANE OF INSULATION OF THE PENETRATED ELEMENT TO AND EFFECTIVE THERMAL RESISTANCE NOT LESS THAN 60% OF THAT REQUIRED FOR THE PENETRATED ELEMENT, OR
  - INSULATED WHITEN ITSELF TO AN EFFECTIVE THERMAL RESISTANCE NOT LESS THAN THE REQUIRED FOR THE PENETRATED ELEMENT.

- MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS PLACE WITHIN AN EXTERIOR WALL MUST BE INSULATED BEHIND TO THE EFFECTIVE THERMAL RESISTANCE REQUIRED FOR THE ABOVE OR BELOW GRADE WALL ASSEMBLY.

- A FOUNDATION WALL IS CONSIDERED TO BE BELOW GRADE FOR THE PURPOSE OF USING BELOW GRADE RSI WHEN THE TOP OF THE SECTION OF FOUNDATION IS ON AVERAGE LESS THAN 600mm (24") ABOVE THE ADJOINING GROUND LEVEL WHERE THE WALL IS GREATER THAN 600mm, THE ABOVE GROUND PORTION OF WALL SHALL BE INSULATION TO THE ABOVE GRADE REQUIREMENTS.

- JOINTS AND JUNCTIONS BETWEEN WALLS AND OTHER BUILDING ENVELOP COMPONENTS SHALL BE INSULATED IN A MANNER THAT PROVIDES AN EFFECTIVE THERMAL RESISTANCE THAT IS NOT LESS THAN THE LOWER ON MINIMUM VALUES REQUIRED FOR THE RESPECTIVE ADJOINING COMPONENTS.

AIR TIGHTNESS GENERAL NOTES - ABC 9.36.2.9 AND 9.36.2.10

- AIR BARRIERS TO BE CONTINUOUS:
  - ACROSS CONSTRUCTION, CONTROL AND EXPANSION JOINTS.
  - ACROSS JUNCTIONS BETWEEN DIFFERENT BUILDING MATERIALS AND ASSEMBLIES.
  - AROUND PENETRATION THROUGH ALL BUILDING ASSEMBLIES.

- SEALING IS REQUIRED BETWEEN ALL JOINTS AND JUNCTIONS BETWEEN THE STRUCTURAL COMPONENTS, AND OR COVERING THE STRUCTURAL COMPONENTS WITH AN AIR BARRIER MATERIAL AND SEALING IT TO THE ADJACENT AIR BARRIER MATERIAL

- WINDOWS, DOORS AND SKYLIGHTS AND THEIR COMPONENTS SHALL COMPLY WITH MINIMUM AIR LEAKAGE REQUIREMENT STATED IN NAFS AND CSA A44051.

- WHERE THE AIR TIGHT MATERIAL USED IN THE AIR BARRIER SYSTEM IS INSTALLED TOWARDS THE EXTERIOR OF BUILDING ENVELOP, ITS LOCATION AND PROPERTIES SHALL CONFORM TO 9.25.5

- WHEN POLY BOOTS ARE USED ON EXTERIOR WALLS AND CEILINGS FOR ELECTRICAL BOXES AND POT LIGHTS THEY MUST BE SEALED TO THE AIR/ VAPOR BARRIER AND STRUCTURALLY SUPPORTED

- CANTILEVERED FLOORS AND ALL JUNCTIONS REQUIRE CONTINUOUS AIR BARRIER.

- JUNCTIONS BETWEEN THE FLOOR AND RIM JOISTS AND RIM JOIST TO FOUNDATION MUST BE SEALED.

SOIL GAS (RADON) CONTROL - 2014 ABC SUMMARY
- CONTINUOUS AIR BARRIER WITH ALL PENETRATIONS SEALED UNDER SLAB. (INCLUDING AIRTIGHT SUMP COVER)
- 100mm CLEAN COMPACTED GRANULAR FILL, OR GAS PERMEABLE LAYER BETWEEN AIR BARRIER AND GROUND.
- SLAB PERIMETER SEALED.
- ROUGH-IN FOR UNDER SLAB DEPRESSURIZATION, LABELED AND CAPPED.
- REQUIRED FOR ALL BUILDINGS INTENDED TO BE OCCUPIED FOR MORE THAN 4 HOURS A DAY

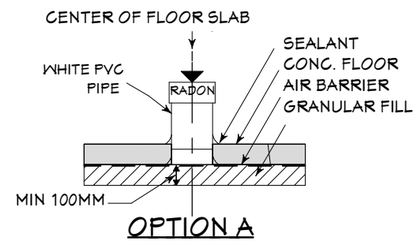
SOIL GAS (RADON) CONTROL - 2014 ABC SUMMARY
THE AIR BARRIER MUST BE PLACED DIRECTLY BELOW THE SLAB, OR APPLIED TO THE TOP OF THE SLAB, PROVIDED A SEPARATE FLOOR IS INSTALLED OVER THE SLAB
- IF A POLYETHYLENE MEMBRANE IS USED, IT SHALL CONFORM TO CAN/CGSB-51.34-M. JOINTS MUST BE LAPPED A MINIMUM 300mm (1'-0"). AND:
- SEALED TO THE TOP OF PERIMETER FOOTING OR FOUNDATION WALL WITH APPROVED SEALANT.
- ALL PENETRATIONS SHALL BE SEALED. THIS INCLUDES PLUMBING ROUGH-INS, SUMP PIT OPENINGS ETC.
- SEALANTS ARE TO CONFORM TO ARTICLE 9.27.4.2

9.25.3.6. - SLAB TO WALL JOINT MUST BE SEALED
- SEALED TO THE FOOTING OR FOUNDATION WALL WITH APPROVED SEALANT, CONFORMING TO ARTICLE 9.27.4.2
- RUN A BEAD OF SEALANT ALONG THE JOINT OF THE FOUNDATION WALL AND THE SLAB.

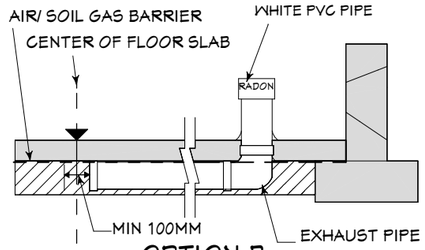
9.13.4.3. - 6 ROUGH-IN FOR A SUBFLOOR DEPRESSURIZATION SYSTEM MUST BE INSTALLED
- MUST CONTAIN 100mm OF CLEAN GRANULAR MATERIAL BETWEEN THE GROUND AND AIR BARRIER, OR:
- A GAS PERMEABLE LAYER WITH A SEALED INLET AND OUTLET.
- MIN. 100mm SOLID PIPE INSTALLED THROUGH THE FLOOR, CLEARLY LABELED AND CAPPED.
- BOTTOM END OPENING INTO GRANULAR LAYER AT OR NEAR THE CENTER OF THE FLOOR.
- PIPE PENETRATIONS THROUGH AIR BARRIERS MUST BE SEALED TO MAINTAIN THE INTEGRITY OF THE AIR BARRIER.

9.14.5.2.(2) - SUMP PIT COVERS MUST BE DESIGNATED TO RESIST REMOVAL BY CHILDREN, AND TO BE AIR TIGHT.
- THE PERIMETER SHALL BE WEATHER-STRIPPED.
- ALL PENETRATIONS OR OPENINGS SEALED.

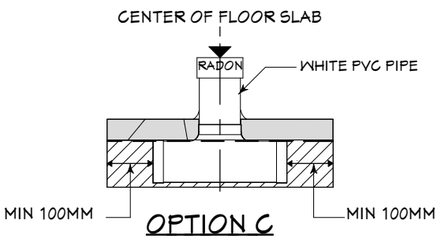
NOTE: PIPE TO BE CAPPED OR RUN UP THROUGH THE ROOF SYSTEM



OPTION A



OPTION B



OPTION C

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: AIR TIGHTNESS / RADON

PLP DESIGN
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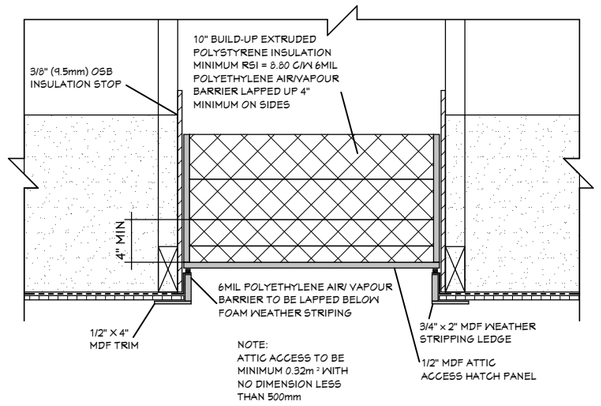
PLP DESIGN

DATE: 2025-08-21

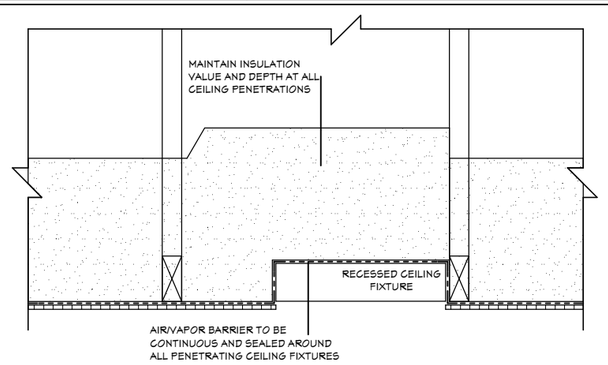
3/16" = 1'-0"

BINNION

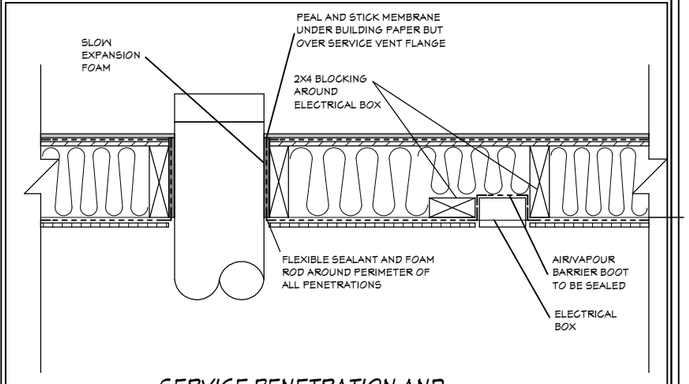
SHEET: A-11



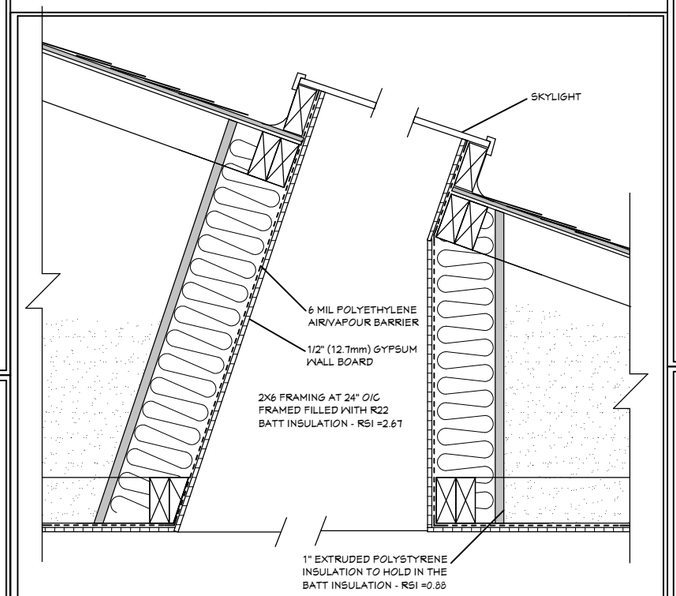
ATTIC HATCH ACCESS DETAIL



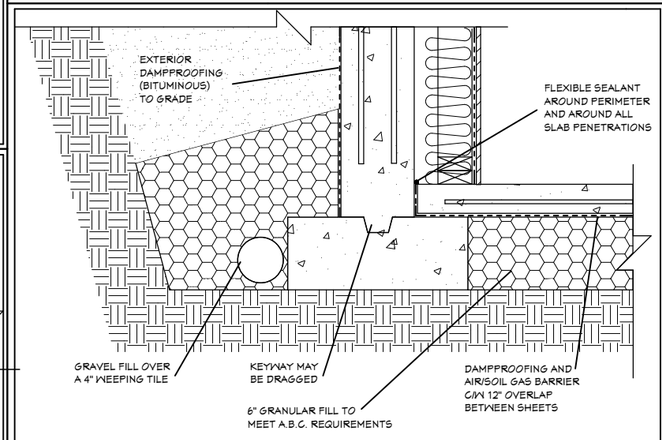
CEILING PENETRATION DETAIL



SERVICE PENETRATION AND ELECTRICAL OUTLET DETAIL

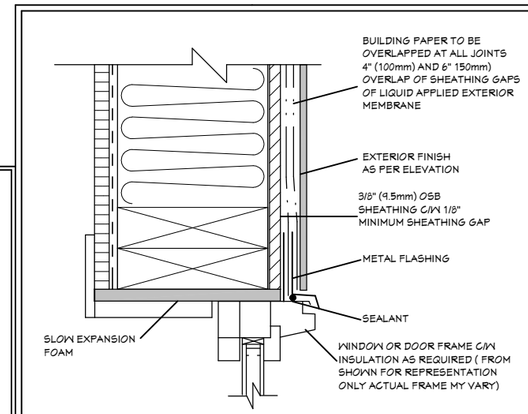


SKYLIGHT SHAFT WALL DETAIL

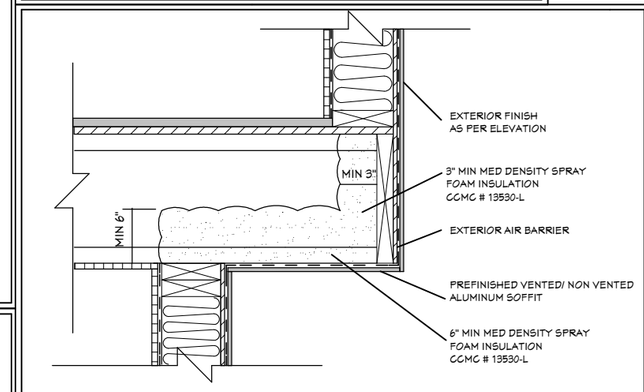


TYPICAL STRIP FOOTING BELOW FROST LINE- UNHEATED FLOOR SLAB DETAIL

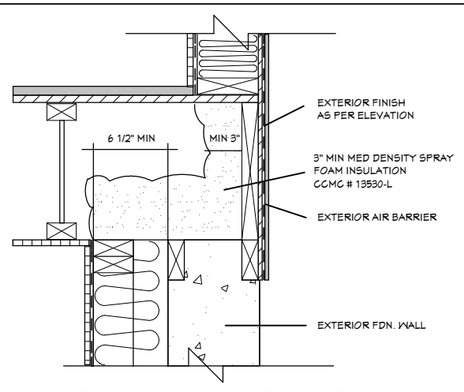
THE FLOOR SLAB AIR BARRIER MUST BE MADE AIRTIGHT BY CONNECTING THE AIR BARRIER TO THE ELEMENT THAT FORMS THE AIR BARRIER IN THE FOUNDATION WALL THIS WILL BE ACHIEVED WITH SEALANT ALONG THE JOINT OF THE FOUNDATION WALL AND THE SLAB .



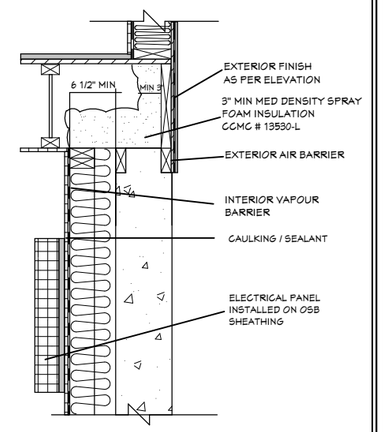
WINDOW AND DOOR FLASHING DETAIL



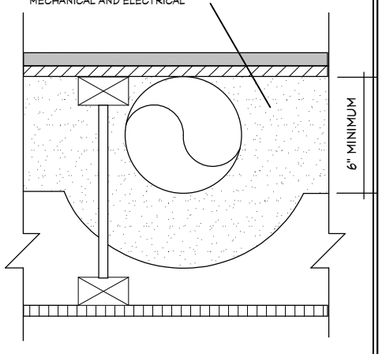
TYPICAL CANTILEVER DETAIL



TYPICAL FLOOR AT FOUNDATION WALL



ELECTRICAL PANEL ON EXTERIOR WALL



TYPICAL FLOOR WITH DUCT OVER UNHEATED SPACE

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: **DETAILS**

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DATE: 2025-08-21

3/16" = 1'-0"

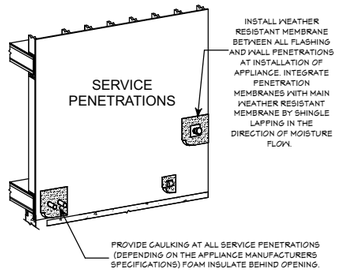
BINNION

SHEET: **A-12**

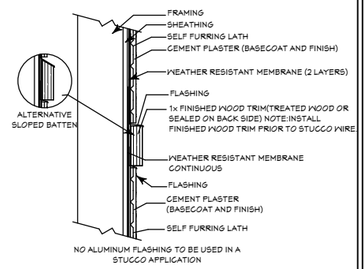
BUILDING ENVELOPE & FLASHING STUCCO DETAILS

BUILDING PAPER & WIRE.

1. PROPERLY INSTALLED BUILDING PAPER IS THE BACKBONE OF A BUILDING ENVELOPE. IT CAN PROVIDE AN OPPORTUNITY FOR WATER THAT GETS BEHIND THE CLADDING TO SHED DOWN THE WALL AND EXIT SAFELY TO THE OUTSIDE.
   - ALWAYS INSTALL BUILDING PAPER TO ENSURE PROPER SHINGLING OUTWARD AND DOWNWARD.
   - ALWAYS ENSURE THAT THE BUILDING PAPER YOU USE MEETS OR EXCEED BUILDING CODE REQUIREMENTS IN YOUR AREA.
2. THE BUILDING PAPER SHOULD ALWAYS BE LAPPED A MINIMUM OF SIX (6) INCHES HORIZONTALLY WITH THE UPPER LAYER ALWAYS OVERLAPPING THE LOWER LAYER. IT IS VERY IMPORTANT WHEN YOU MEET AT THE SOFFIT OR PATIO LINE THAT YOU LIFT THE BUILDING PAPER INSTALLED BY THE SOFFIT APPLICATORS, CARPENTERS OR OTHER TRADES AND PLACE YOUR PAPER BEHIND TO CREATE THE SHINGLE EFFECT.
3. WHEN STAPLING THE BUILDING PAPER ON THE WALL ALWAYS LOOK AT THE SHEATHING AND STAPLE IN LINE WITH THE FASTENERS ATTACHING THE SHEATHING TO THE WALL. THIS WILL SIMPLIFY LOCATING THE STUDS WHEN ITS TIME TO FASTEN THE STUCCO WIRE TO THE STUDS.
4. INSTALL FLASHING ABOVE ALL PENETRATIONS AND ENSURE FLANGE LENGTH IS ADEQUATE AND FASTENED SECURELY. YOUR BUILDING PAPER SHOULD ALWAYS BE LAPPED OVER THE FLANGE OF THE FLASHING.
5. CUT YOUR STUCCO WIRE TO SIZE AND ALWAYS PLACE WITH THE FURRING LEGS AGAINST THE WALL. FASTEN AND STRETCH TAUT. WHEN YOU NAIL OR STAPLE YOU CAN REFER TO THE STAPLES IN THE BUILDING PAPER TO LOCATE THE STUDS IN BEHIND THE SHEATHING.
   - STUCCO LATH - N.B.C. 9.28.4.1 LATH MATERIAL MAY BE RIB LATH OR EXPANDED METAL STUCCO MESH SHALL BE COPPER-ALLOY STEEL COATED WITH RUST-INHIBITIVE PAINT AFTER FABRICATION, OR GALVANIZED WOVEN OR WELDED MESH.
   - N.B.C. 9.28.4.6.2 STATES FASTENERS ON VERTICAL SURFACES SHALL BE SPACED NOT MORE THAN:
   - 16" O.C. STUDS REQUIRE A FASTENER EVERY SIX (6) INCHES VERTICALLY ON EACH STUD PROPERLY SUPPORTING THE STUCCO WIRE.
   - 24" O.C. STUDS REQUIRE A FASTENER EVERY FOUR (4) INCHES VERTICALLY ON EACH STUD PROPERLY SUPPORTING THE STUCCO WIRE.
   - NAILING PATTERNS OTHER THAN DESCRIBED ABOVE ARE ALLOWED UNDER THE BUILDING CODE PROVIDING THERE ARE AT LEAST 20 FASTENERS PER SQUARE METER OF WALL SURFACE.
   - FASTENERS MATERIALS: NAILS SHALL BE CORROSION-RESISTANT EG OR HOT DIPPED GALVANIZED COATED. NAILS SHALL BE NOT LESS THAN 3.2mm (11Ga.) ? WITH A HEAD SIZE OF NOT LESS THAN 11.1mm (7/16"). STAPLES FOR STUCCO LATH OR REINFORCING SHALL NOT BE LESS THAN 1.48mm ? OF THICKNESS. STAPLES AND NAILS FOR ATTACHING LATH TO VERTICAL SURFACES SHALL BE OF SUFFICIENT LENGTH TO PENETRATE 25mm (1 INCH) INTO THE FRAMING MEMBERS OR TO THE FULL DEPTH OF THE SHEATHING WHERE SHEATHING IS USED FOR ATTACHMENTS. (MUST BE APPROPRIATE SHEATHING. 3/8"IS NOT APPROPRIATE FOR FASTENING LATH).
6. EXTERNAL CORNERS OF STUCCO LATH SHALL BE REINFORCED WITH A VERTICAL STRIP OF LATH OR REINFORCING EXTENDING NOT LESS THEN 150mm ON BOTH SIDES OF THE CORNER, OR
7. YOU MUST FASTEN THROUGH THE SHEATHING AND HIT THE STUDS. STUCCO LATH MUST OVERLAP AT LEAST ONE SPACE (i.e. 50mm/ 2" OR 38mm 1.5") AT JOINTS. JOINTS MUST BE STAGGERED AT ALL VERTICAL JOINTS MUST OCCUR OVER FRAMING MEMBERS.
8. BE AWARE OF ALL REQUIREMENTS IN THE BUILDING CODE AS WELL AS ANY LOCAL REGULATIONS & MANUFACTURER'S INSTRUCTIONS.
9. STUCCO MIXES ARE TO BE COMPLIANT WITH A.B.C. 9.28.5.1 AS DETAILED IN CHART "A"

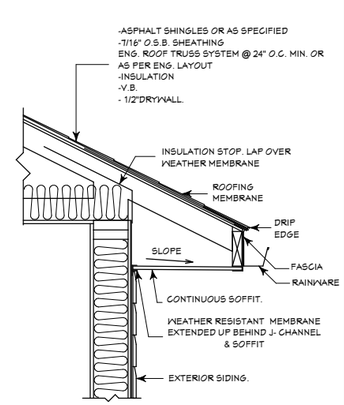


NOTE:FLASHING MECHANICAL PENETRATIONS
- FLASH EACH PENETRATION INDIVIDUALLY
-USE SELF DRAINING/FLASHED COVERS THAT MEET CODE REQUIREMENTS WHERE FOSSIBLE
-ALL PENETRATIONS MUST BE FLASHED, TOP AND BOTTOM
-MOUNT PENETRATIONS ON BATTENS TO ALLOW THE FLASHING TO BE PLACED ON THE BATTENS RATHER THAN EACH PENETRATION INDIVIDUALLY.



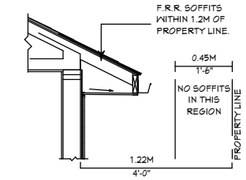
STUCCO & WOOD BATTEN SCALE: N.T.S.

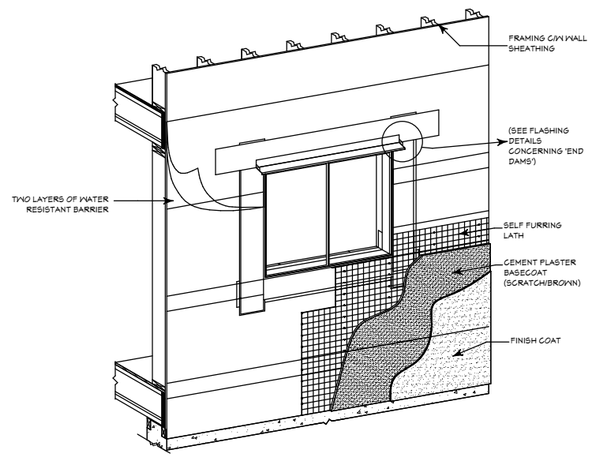
BUILDING ENVELOPE & FLASHING SOFFIT & FASCIA

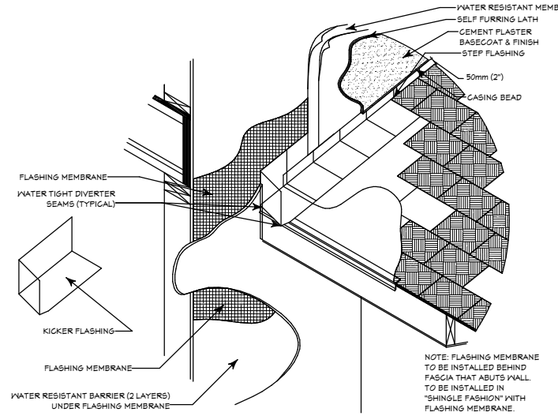


FASCIA & SOFFIT DETAIL (ALUMINUM)

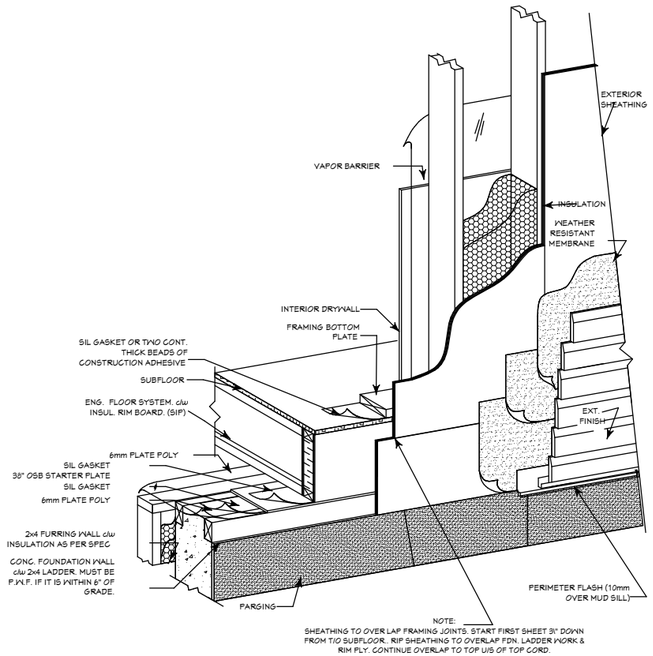
SPECIAL PROTECTION FOR WALLS AND FASCIA ; THESE DETAILS ARE IN REGARDS TO HIGH INTENSITY RESIDENTIAL FIRES (HIRF) BUILDING CODE CHANGES AS OF MAY 3rd, 2009.
-THESE DETAILS ARE IN POINT FORM ONLY AND GIVE A GENERAL OVERVIEW OF CONSTRUCTION REQUIREMENTS. SEEK FULLER EXPLANATION FROM LOCAL SAFETY CODES OFFICERS AS NECESSARY.
NOTE THESE CODE REQUIREMENTS ARE DEPENDANT UPON THE RESPONSE TIMES FOR THE FIRE PROTECTION IN YOUR COMMUNITY. ADJUST AS NECESSARY.
-BUILDING SIDE YARDS LESS THAN 1.2M (4') TO 0.6M (2').
-CONSTRUCTION OF EXPOSED WALL:
  -45 MINUTE F.R.R. (FIRE RESISTANCE RATING) REQUIRED
-CLADDING IS TO BE:
  -NON-COMBUSTIBLE OR
  -COMBUSTIBLE INSTALLED OVER EXTERIOR GRADE GYPSUM SHEATHING OR MASONRY OR
  -WALL ASSEMBLY TESTED AND APPROVED TO THE U.L.C. 134 STANDARD.
-COMBUSTIBLE ENCLOSED PROJECTIONS (E.G. FIREPLACE, CHIMNEYS):
  -SAME CONSTRUCTION REQUIREMENTS FOR EXTERIOR WALL (45F.R.R.)
  -SIDES ARE TO BE CONSTRUCTED SAME AS FACE, NO OPENINGS.
  -IF u/s OF PROJECTION EXCEEDS 0.6M (23-5/8") TO BE FINISHED GROUND LEVEL THEN PROJECTION IS REQUIRED AS PER 3.2.3.6.(5)(b)
-SOFFITS:
  -ROOF SOFFITS ARE PERMITTED UP TO 0.45M (18") TO PROPERTY LINE, AND MUST BE PROTECTED BY MATERIAL LISTED IN CLAUSE 3.2.3.6.(5)(b) (e.g. UNVENTED ALUMINUM OR 12.7mm GYPSUM UNDER THE SOFFIT), AND HAVE NO OPENINGS
  -SOFFITS ARE NOT PERMITTED CLOSER THAN 0.45M (18") TO PROPERTY LINE.







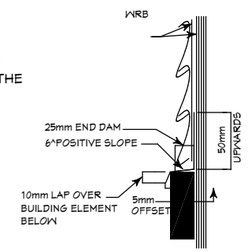
ROOF KICKER FLASHING SCALE = N.T.S.

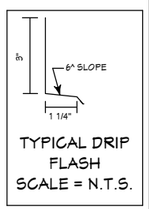


BUILDING ENVELOPE & FLASHING BASIC FRAMING

NOTE: FLASHING GENERAL NOTES:
-A.B.C. 9.26.4.1 FLASHING AT DECKS & BALCONIES
-DECKS & BALCONIES THAT DO NOT PERMIT THE FREE DRAINAGE OF WATER THROUGH THE DECK MUST BE TREATED AS A ROOF. (UNLESS THE SURFACE SLOPES TO THE OUTSIDE OF THE BUILDING SO WATER CAN FREELY DRAIN OVER THE EDGE.)
-FLASHING SHOULD BE INSTALLED BETWEEN WALLS AND DECKS
-AT GUARDS IN CONTACT WITH THE DECKS.
A.B.C. 9.27.3.8 FLASHING MUST BE INSTALLED:
-AT EVERY HORIZONTAL CHANGE IN CLADDING ELEMENT.
-EVERY HORIZONTAL OFFSET IN THE CLADDING.
-EVERY HORIZONTAL LINE WHERE THE CLADDING SUBSTRATE CHANGES, AND
-TOP & BOTTOM OF ALL PENETRATIONS.
A.B.C. 9.27.3.8 FLASHING MAY BE OMITTED WHERE...
-THE UPPER CLADDING ELEMENTS OVERLAP THE LOWER CLADDING ELEMENTS BY AT LEAST 25mm.
-WHERE DRAINED & VENTED AIRSPACES ARE USED.
-WHERE HORIZONTAL JOINTS IN STUCCO WITH EXPANSION STRIPS.

FLASHING SPECIFICATIONS FOR WALL OPENINGS:
(SECTION 9.27.3.8)
-EXTEND AT LEAST 50 mm UPWARD.
-HAVE A MINIMUM 6% POSITIVE SLOPE
-HAVE END-DAMS NOT LESS THAN 25mm HIGH
-LAP A MINIMUM OF 10mm VERTICALLY OVER THE BUILDING ELEMENT BELOW
-TERMINATE WITH A DRIP THAT EXTENDS AT LEAST 5mm OUT FROM THE FACE OF THE BUILDING ELEMENT





TYPICAL DRIP FLASH
SCALE = N.T.S.

NO.	DESCRIPTION	BY	DATE

SHEET TITLE:
FLASHING DETAILS

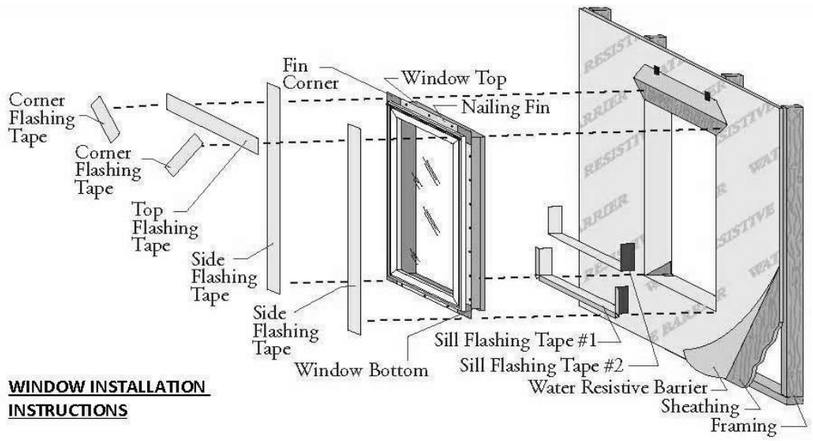
PLP DESIGN
plpdesign.drafting@gmail.com
403-601-0812
PLP DESIGN

DATE: 2025-08-21

3/16" = 1'-0"

BINNION

SHEET: A-13



WINDOW INSTALLATION INSTRUCTIONS

1 ROUGH OPENING PREPARATION

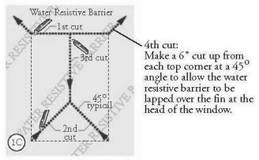
A. VERIFY THE OPENING IS PLUMB AND LEVEL.

NOTE: IT IS CRITICAL THAT THE BOTTOM IS LEVEL

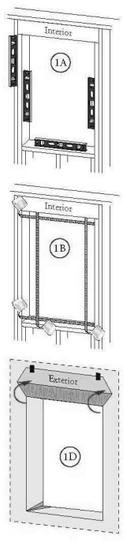
B. VERIFY WINDOW WILL FIT THE OPENING. MEASURE ALL FOUR SIDES OF THE OPENING TO MAKE SURE IT IS 3/4" LARGER THAN THE WINDOW IN BOTH WIDTH AND HEIGHT. ON LARGER OPENINGS MEASURE THE WIDTH AND HEIGHT IN SEVERAL PLACE TO ENSURE THE HEADER OR STUDS ARE NOT BOWED.

NOTE: 1-1/2" OR MORE SOLID WOOD BLOCKING IS REQUIRED AROUND THE PERIMETER OF THE OPENING. FIX ANY PROBLEMS WITH THE ROUGH OPENI NG B EFORE PROCEEDING.

C. CUT THE WATER RESISTIVE BARRIER (1C)



D. FOLD THE WATER RESISTIVE BARRIER (1D) FOLD SIDE BOTTOM FLAPS INTO THE OPENING AND STAPLE TO INSIDE WALL FOLD TOP FLAP UP AND TEMPORARILY FASTEN WITH FLASHING TAPE.



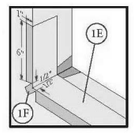
E. APPLY SILL FLASHING TAPE #1. CUT A PIEGE OF FLASHING TAPE 12" LONGER THAN THE OPENING WIDTH. APPLY AT THE BOTTOM OF THE OPENING AS SHOWN (1E) SO IT OVERHANGS 1" TO THE EXTERIOR.

NOTE: THE TAPE IS CUT 12" LONGER THAN THE WIDTH SO THAT IT WILL EXTEND 6" UP EACH SIDE OF OPENING.

F. TAB THE SILL FLASHING TAPE AND FOLD. CUT 1" WIDE TABS AT EACH CORNER (1/2" FORM EACH SIDE OF CORNER) (1F). FOLD TAPE TO THE EXTERIOR AND PRESS FIRMLY TO ADHERE IT TO THE WATER RESISTIVE BARRIER.

G. APPLY SILL FLASHING TAPE #2. CUT A PIEGE OF FLASHING TAPE 12" LONGER THAN OPENING WIDTH. APPLY AT THE BOTTOM, OVERLAPPING TAPE #1 BY AT LEAST 1". DO NOT ALLOW THE TAPE TO EXTEND PAST THE INTERIOR FACE OF FRAMING (1G).

NOTE: THE FLASHING TAPE MAY NO FULLY COVER THE FRAMING MEMBERS.



2 SETTING AND FASTENING THE WINDOW

A. INSTALL AND LEVEL SILL SPACERS. PLACE 1" WIDE BY 3/8" THICK SPACERS ON THE BOTTOM OF THE WINDOW OPENING 1/2" FROM EACH SIDE. SPACERS ARE ALSO REQUIRED AT POINTS WHERE WINDOWS ARE JOINED IN MULTIPLE WINDOW APPLICATIONS. ADD SHIMS AS NECESSARY TO ENSURE THE SPACERS ARE LEVEL. ONCE LEVEL, ATTACH SPACERS AND SHIMS TO PREVENT MOVEMENT.

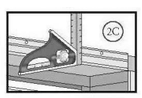
NOTE: IMPROPER PLACEMENT OF SHIMS OR SPACERS MAY RESULT IN BOWING THE BOTTOM OF THE WINDOW.

B. REMOVE PLASTIC WRAP AND CARDBOARD PACKAGING FROM WINDOW. DO NOT REMOVE PLASTIC SHIPPING SPACERS LOCATED BETWEEN THE WINDOW SASH AND FRAME. THE SHIPPING SPACERS WILL HELP KEEP THE WINDOW SQUARE DURING INSTALLATION. DO NOT UNLOCK OR OPEN THE WINDOW UNTIL IT IS FULLY FASTENED

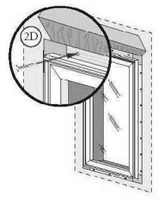
NOTE: IF SCREENS, GRILLES OR HARDWARE ARE REMOVED FROM THE WINDOW AT THIS TIME, LABEL THEM AND STORE THEM IN A PROTECTED AREA.

C. FOLD OUT INSTALLATION FIN TO 90°. BE CAREFUL NOT TO REMOVE OR TEAR THE FIN CORNERS.

NOTE: IF THE FIN IS NOT 90°, THE WINDOW WILL NOT LINE UP CORRECTLY ON THE INTERIOR.



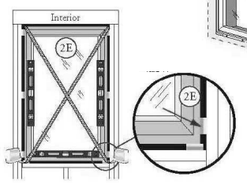
TWO OR MORE PEOPLE WILL BE REQUIRED FOR THE FOLLOWING STEPS.



D. INSERT THE WINDOW FROM THE EXTERIOR OF THE BUILDING. PLACE THE BOTTOM OF THE WINDOW OF THE SPACERS AT THE BOTTOM OF THE OPENING, THEN TILT THE TOP INTO POSITION. CENTER THE WINDOW BETWEEN THE SIDES OF THE OPENING TO ALLOW CLEARANCE FOR SHIMMING, AND INSERT THE ONE ROOFING NAIL IN THE FIRST HOLE FROM THE CORNER ON EACH END OF THE TOP NAILING FIN. THESE ARE USED TO HOLD THE WINDOW IN PLACE WHILE SHIMMING IT PLUMB AND SQUARE.

E. PLUMB AND SQUARE WINDOW. PLACE SHIMS 1" FROM THE BOTTOM AND TOP OF THE WINDOW BETWEEN THE WINDOW AND THE SIDES OF THE OPENING. ADJUST THE SHIMS AS REQUIRED TO PLUMB AND SQUARE THE WINDOW IN THE OPENING. IF THE FRAME HEIGHT EXCEEDS 53", PLACE SHIMS AT THE MIDPOINT OF THE WINDOW SIDES.

NOTE: DO NOT SHIM ABOVE THE WINDOW OR IN THE SPACE BETWEEN THE SPACERS AT THE BOTTOM OF THE WINDOW DO NO OVER SHIM.



F. CHECK THE INTERIOR REVEAL. MAKE SURE THE MEASUREMENT FROM THE INTERIOR FACE OF THE WINDOW TO THE INTERIOR FACE OF THE WALL IS EQUAL AT SEVERAL POINTS AROUND THE WINDOW.

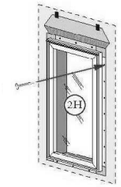
NOTE: IF THE DIMENSIONS ARE NOT EQUAL, CHECK TO MAKE SURE THE FINS ARE FOLDED OUT TO 90° AT ALL POINTS.

G. CHECK WINDOW OPERATION (VENT UNITS ONLY). UNLOCK THE WINDOW BY LIFTING THE LOCK HANDLE UP. OPEN THE WINDOW BY ROTATING THE CRANK HANDLE. REMOVE THE SHIPPING SPACERS. OPEN AND CLOSE THE WINDOW A FEW TIMES TO CHECK FOR PROPER OPERATION. CLOSE AND LOCK THE WINDOW.

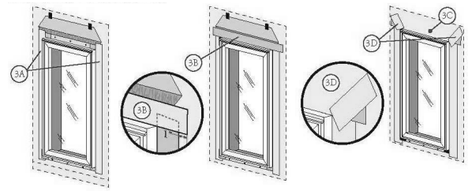
NOTE: IF THERE ARE ANY PROBLEM WITH THE OPERATION OF THE WINDOW, RECHECK SHIM LOCATIONS AND ADJUST FOR PLUMB AND SQUARE.

H. FASTEN THE WINDOW TO OPENING BY DRIVING 2" GALVANIZED ROOFING NAILS INTO EACH PRE-FUNCHED HOLE IN THE NAILING FIN.

NOTE: MAKE SURE THE FIN CORNER IS LYING AS FLAT AS POSSIBLE.



3 INTEGRATING THE WINDOW TO THE WATER RESISTIVE BARRIER



A. APPLY SIDE FLASHING TAPE. CUT TO PIECES OF FLASHING TAPE 4" LONGER THAN THE FRAME HEIGHT OF THE WINDOW. APPLY ON PIEGE TO EACH SIDE OVER THE NAILING FIN AND ONTO THE WATER RESISTIVE BARRIER. THE TAPE SHOULD EXTEND 2" ABOVE THE TOP OF THE WINDOW AND 2" BELOW THE BOTTOM OF THE WINDOW. PRESS THE TAPE DOWN FIRMLY.

B. APPLY TOP FLASHING TAPE. CUT A PIECE OF FLASHING TAPE LONG ENOUGH TO GO ACROSS THE TOP OF THE WINDOW AND EXTEND AT LEAST 1" PAST THE SIDE FLASHING TAPE ON BOTH SIDES. APPLY THE TAPE OVER THE TOP NAILING FIN AS SHOWN.

NOTE: DO NOT TAPE OR SEAL THE BOTTOM NAILING FIN.

C. FOLD DOWN TOP FLAP OF WATER RESISTIVE BARRIER (3C)

D. APPLY FLASHING TAPE TO DIAGONAL CUTS. CUT PIECES OF FLASHING TAPE AT LEAST 1" LONGER THAN THE DIAGONAL CUTS IN THE WATER RESISTIVE BARRIER. APPLY THE TAPE COVERING THE ENTIRE DIAGONAL CUT IN THE WATER RESISTIVE BARRIER AT BOTH UPPER CORNERS OF THE WINDOW.

NOTE: BE SURE O OVERLAP THE TOP CORNERS (3D)

4 INTERIOR SEAL

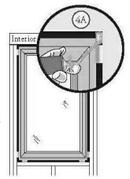
CAUTION: ENSURE USE OF LOW PRESSURE FOLYURETHANE WINDOW AND DOOR INSULATION FOAMS AND STRICTLY FOLLOW THE FOAM MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION. USE OF HIGH PRESSURE FOAMS OR IMPROPER APPLICATION OF THE FOAM MAY CAUSE THE WINDOW FRAME TO BOW AND HINDER OPERATION.

A. APPLY INSULATING FOAM SEALANT. FROM THE INTERIOR, INSERT THE NOZZLE OF THE APPLICATOR APPROXIMATELY 1" DEEP INTO THE SPACE BETWEEN THE WINDOW AND THE ROUGH OPENING AND APPLY A 1" DEEP BEAD OF FOAM. THIS WILL ALLOW ROOM FOR EXPANSION OF THE FOAM AND WILL MINIMIZE SQUEEZE OUT. ALLOW THE FOAM TO SURE COMPLETELY (USUALLY 8 TO 24 HOURS) BEFORE PROGEEDING TO THE NEXT STEP.

NOTE: DO NOT COMPLETELY FILL THE SPACE FROM THE BACK OF THE FIN TO THE INTERIOR FACE OF THE OPENING.

B. CHECK WINDOW OPERATION (VENT UNITS ONLY) BY OPENING AND CLOSING THE WINDOW.

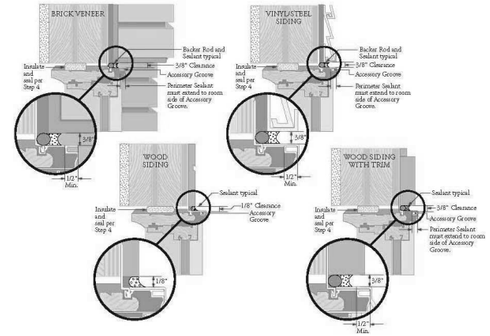
NOTE: IF THE WINDOW DOES NOT OPERATE CORRECTLY, CHECK TO MAKE SURE IT IS STILL PLUMB, LEVEL, SQUARE AND THAT THE SIDES ARE NOT BOWED. IF ADJUSTMENTS ARE REQUIRED, REMOVE THE FOAM WITH A SERRATED KNIFE. ADJUST THE SHIMS, AND REAPPLY THE INSULATION FOAM SEALANT.



5 SEALING THE WINDOW TO THE EXTERIOR WALL CLADDING

WHEN APPLYING SIDING, BRICK VENEER OR OTHER EXTERIOR FINISH MATERIAL, LEAVE ADEQUATE SPACE BETWEEN WINDOW FRAME AND THE MATERIAL FOR SEALANT. REFER TO THE ILLUSTRATIONS THAT CORRESPONDS TO YOUR FINISH MATERIAL.

NOTE: THE SEALANT DETAILS SHOWN ARE STANDARD RECOMMENDATIONS FROM THE SEALANT INDUSTRY. CONTACT YOUR SEALANT SUPPLIER FOR RECOMMENDATIONS AND INSTRUCTIONS FOR THESE AND ANY OTHER APPLICATION



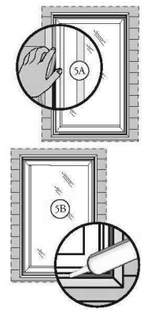
A. INSERT BACKER ROD INTO THE SPACE AROUND THE WINDOW AS DEEP AS IT WILL GO. THIS SHOULD PROVIDE AT LEAST 1/2" CLEARANCE BETWEEN THE BACKER ROD AND THE EXTERIOR FACE OF THE WINDOW.

NOTE: BACKER ROD ADDS SHAPE AND DEPTH FOR THE SEALANT LINE.

B. APPLY A BEAD OF HIGH QUALITY EXTERIOR GRADE SEALANT TO THE ENTIRE PERIMETER OF THE WINDOW.

C. SHAPE, TOOL AND CLEAN EXCESS SEALANT. WHEN FINISHED, THE SEALANT SHOULD BE THE SHAPE OF AN HOURGLASS.

NOTE: THIS METHOD CREATED A MORE FLEXIBLE SEALANT LINE CAPABLE OF EXTENDING AND CONTRACTING.



NO.	DESCRIPTION	BY	DATE

SHEET TITLE: WINDOW INSTALLATION DETAILS

PLP DESIGN
plpdesign.drafting@gmail.com
403-601-0812
PLP DESIGN

DATE: 2025-08-21

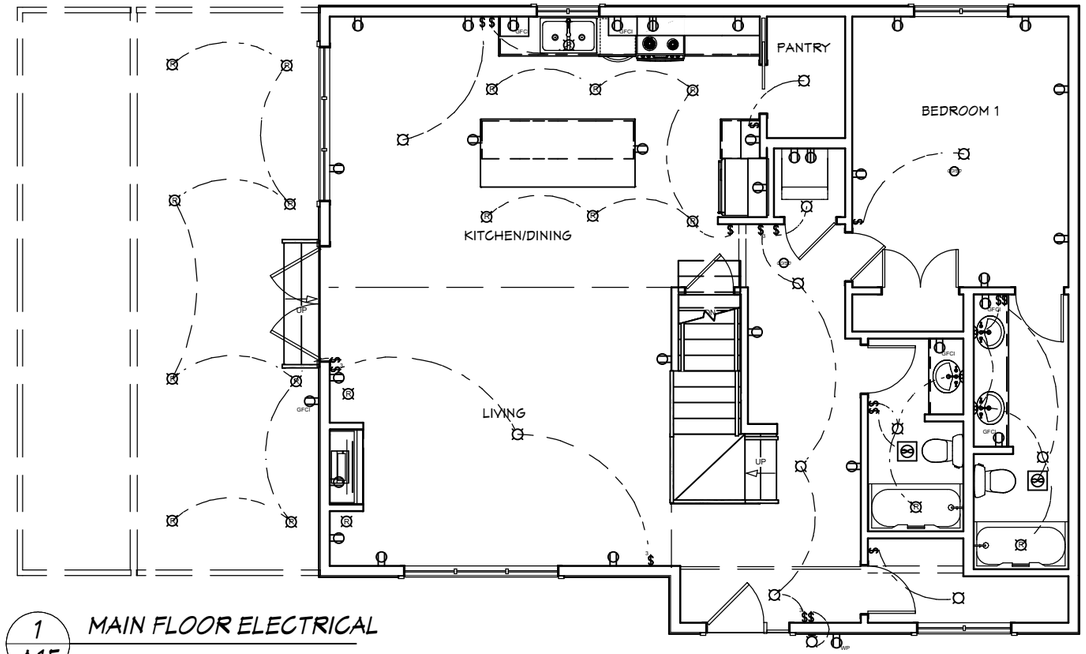
3/16" = 1'-0"

BINNION

SHEET: A-14

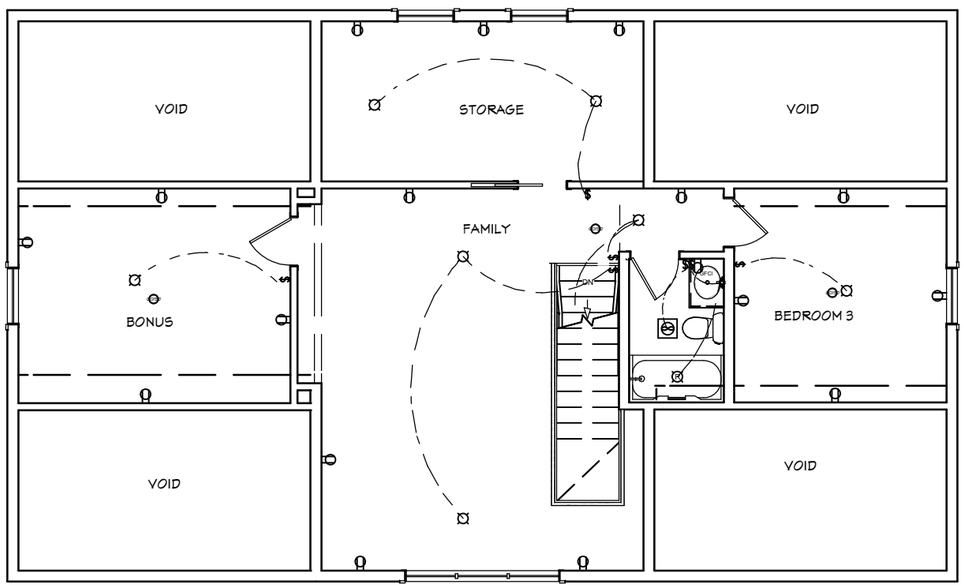
1 A14 WINDOW INSTILLATION DETAILS

SCALE = N.T.S.



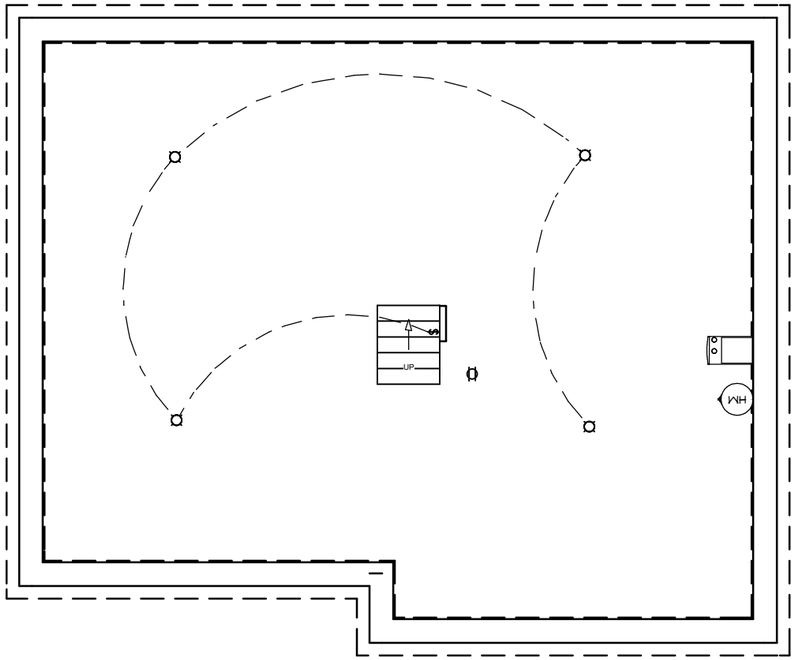
1 / A15 MAIN FLOOR ELECTRICAL

SCALE = 1/8" = 1'-0"



2 / A15 UPPER FLOOR ELECTRICAL

SCALE = 1/8" = 1'-0"



3 / A15 FOUNDATION ELECTRICAL

SCALE = 1/8" = 1'-0"

ELECTRICAL - DATA - AUDIO LEGEND

SYMBOL	DESCRIPTION
	CEILING FAN
	VENTILATION FANS: CEILING MOUNTED, WALL MOUNTED
	CEILING MOUNTED LIGHTS: SURFACE/PENDANT, RECESSED
	WALL MOUNTED LIGHT FIXTURES: FLUSH MOUNT, WALL SCONCE
	CHANDELIER LIGHT FIXTURE
	FLUORESCENT LIGHT FIXTURE
	240 RECEPTACLE
WP GFCI	110V RECEPTACLES: DUPLEX, WEATHER PROOF, GFCI
WP	SWITCHES: SINGLE POLE, WEATHER PROOF, 3-WAY, 4-WAY
DIM T	SWITCHES: DIMMER, TIMER
AV CONTROL	AUDIO VIDEO: CONTROL PANEL, SWITCH
	SPEAKERS: CEILING MOUNTED, WALL MOUNTED
TV CAT5	WALL JACKS: CAT5, CAT5 + TV, TV/CABLE
	TELEPHONE JACK
	INTERCOM
	THERMOSTAT
	DOOR CHIME, DOOR BELL BUTTON
	CO/SMOKE DETECTORS: CEILING MOUNTED, WALL MOUNTED
	ELECTRICAL BREAKER PANEL

ELECTRICAL NOTES

SMOKE ALARMS
REFER TO ABC 2023, DIV. B PART 9.10.18, 9.10.19)

PROVIDE 1 SA WITHIN EACH BEDROOM AND ONE EACH FLOOR NEAR THE STAIRS CONNECTION THE FLOOR LEVELS. ALARMS TO BE CONNECTED TO AN ELECTRICAL CIRCUIT AND INTERCONNECTED TO ACTIVATE ALL ALARMS IF 1 SOUNDS.

ALL ALARMS REQUIRE A MANUALLY OPERATED SILENCING SWITCH IN THE EVENT OF A NUISANCE ALARM AND REQUIRE A BATTERY BACK-UP.

CARBON MONOXIDE DETECTOR
(REFER TO ABC 2023, DIV. B PART 9.32.3.9)

PROVIDE 1 CARBON MONOXIDE PER FLOOR TO BE INSTALLED WITHIN 5M OF EACH BEDROOM WHERE APPLICABLE, OR WITHIN EACH BEDROOM. ALARMS TO BE CONNECTED TO AN ELECTRICAL CIRCUIT AND INTERCONNECTED TO ACTIVATE ALL ALARMS IF 1 SOUNDS.
NOTE:
ALL EXTERIOR LIGHTS AND RECEPTACLES MUST BE WEATHER PROOF

DUE TO SCALE ON DRAWINGS - FIXTURES MAY HAVE TO BE RELOCATED ON SITE - LOCATIONS ARE SUGGESTED ONLY

ELECTRICAL RECEPTACLES IN BATHROOMS, KITCHENS AND GARAGES SHALL BE G.F.I. OR G.F.I.C. PER NATIONAL ELECTRICAL CODE REQUIREMENTS.

NO.	DESCRIPTION	BY	DATE

SHEET TITLE: **ELECTRICAL**

PLP DESIGN
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403-601-0812
PLP DESIGN

DATE:
2025-08-21
3/16" = 1'-0"
BINNION
SHEET:
A-15