#### PROJECT INFORMATION

PROJECT ADDRESS: XXXXX FREELAND, WA 98249

PARCEL NO: R00000-00-0000-0

LEGAL DESCRIPTION

LOT SIZE: XXXXX ACRES

XXXXX

## HOUSE SPECIFICATIONS

LIVING AREA: 1,198 SQFT BEDROOMS: 1 BATHS: 1 GARAGE : NO

HEAT SOURCE : MINI-SPLIT DUCTLESS HEAT PUMP

SEVER DISTRICT : SEPTIC WATER DISTRICT : PRIVATE WELL

### CRITICAL INFORMATION

ZONE : RURAL RESIDENTIAL SHORELINE JURISDICTION: N/A WETLANDS: N/A STEEP SLOPE : N/A FLOOD ZONE : N/A

## DESIGN CRITERIA

SEISMIC DESIGN CATEGORY : D IEEC CLIMATE ZONE : 4C FLOOR LIVE LOAD: 40 PSF ROOF LIVE LOAD: 25 PSF DECK LIVE LOAD: 60 PSF

#### NARRATIVE

PROPOSAL TO CONSTRUCT A NEW SINGLE FAMILY RESIDENCE ON A CURRENTLY UNDEVELOPED PARCEL LOCATED WITHIN ISLAND COUNTY.

#### ENERGY CREDITS:

- \* HEATING OPTION (2): HEAT PUMP (1 CREDIT) \* EQUIPMENT LISTED IN TABLE C403.3.2(1) OR C403.3.2(2) - INDOOR UNIT: MITSUBISHI MSZ-GL15NA-U1 (SEER/HSPF: 21.6/
- OUTDOOR UNIT: MITSUBISHI MXZ-2C2ONA2 (SEER/HSPF: 20.0/10,00)
- \* ENERGY OPTION (2.1): AIR LEAKAGE CONTROL AND EFFICIENT VENTILATION (0.5 CREDITS) \* - COMPLIANCE BASED ON R402.4.1.2: REDUCE THE TESTED
- AIR LEAKAGE TO 3.0 AIR CHANGES PER HOUR MAXIMUM AT 50 PASCALS. - ALL WHOLE HOUSE VENTILATION REQUIREMENTS AS
- DETERMINED BY SECTION M1507.3 OF THE IRC OR SECTION 403.8 OF THE IMC SHALL BE MET WITH A HIGH EFFICIENCY FAN (MAX. 0.35 WATTS/CFM), NOT INTERLOCKED WITH THE FURNACE FAN (IF PRESENT)
- \* ENERGY OPTION (3.6): HIGH EFFICIENCY HVAC (2.0 CREDITS)
- DUCTLESS SPLIT SYSTEM HEAT PUMPS W/NO ELECTRIC RESISTANCE HEATING IN THE PRIMARY LIVING AREAS. A DUCTLESS HEAT PUMP SYSTEM WITH A MINIMUM HSPF OF 10 SHALL BE SIZED AND INSTALLED TO PROVIDE HEAT TO ENTIRE DWELLING UNIT AT THE DESIGN OUTDOOR AIR TEMPERATURE.
- INDOOR UNIT: MITSUBISHI MSZ-GL15NA-U1 (SEER/HSPF: 21.6/
- OUTDOOR UNIT: MITSUBISHI MXZ-2C2ONA2 (SEER/HSPF: 20.0/10,00)
- \* ENERGY OPTION (5.5): EFFICIENT WATER HEATING (2.0 CREDITS) \* WATER HEATING SHALL INCLUDE AN ELECTIRC HEAT PUMP WATER HEATER MEETING THE STANDARDS FOR TIER III OF NEEA'S ADVANCED WATER HEATING SPECIFICATION. - NEEA QUALIFIED TIER III HP WATER HEATER: BRADFORD WHITE RE2H50S10 (50 GAL)
- \* ENERGY OPTION (1.3): EFFICIENT BUILDING ENVELOPE (0.5 CREDITS) \*
- PRESCRIPTIVE COMPLIANCE IS BASED ON TABLE R402.1.1 WITH THE FOLLOWING MODIFICATIONS:
- VERTICAL FENESTRATION: U = 0.28 - FLOOR: R-38

#### APPLICABLE CODES

- \* INTL RESIDENTIAL CODE 2018
- \* WA STATE REVISED AMENDMENTS
- \* ISLAND COUNTY REVISED AMENDMENTS \* INTL ENERGY CODE 2018
- \* UNIFORM PLUMBING CODE 2018
- \* INTL MECHANICAL CODE 2018
- \* NATIONAL ELECTRIC CODE 2020

#### WALL LEGEND (SEE PG. A5 FOR DETAILS)

5 1/2" EXTERIOR WOOD FRAMED WALL

5 1/2" INTERIOR WOOD FRAMED WALL

3 1/2" INTERIOR WOOD FRAMED WALL

3 CONCRETE FOUNDATION WALL

BEAM

#### DRAWING SYMBOLS

- (5D) COMBINED CO/SMOKE DETECTOR
  - SMOKE DETECTOR: HARDWIRED AND INTER-CONNECTED WITH BATTERY BACK UP
  - CARBON MONOXIDE ALARMS: OUTSIDE EACH SLEEPING AREA IN IMMEDIATE VICINITY OF BEDROOMS.
- EXHAUST FAN (VENT TO OUTSIDE)
- BATH: 50 CFM MIN.
- KITCHEN: 100 CFM MIN.
- LAUNDRY: WHOLE HOUSE FAN (PRESCRIPTIVE SIZING PER TABLE M1507.3.3 (1)).

#### SHEET INDEX

SHEET NO.	TITLE
	COVER SHEET
A1	FOUNDATION
A2	FLOOR PLAN
A3	ELEVATIONS
A4	ROOF & FLOOR SYSTEMS
A5	SECTIONS & DETAILS

## GENERAL NOTES

- 1. WHILE EVERY EFFORT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE DESIGNER CANNOT GUARANTEE AGAINST HUMAN ERROR. THE CRAFTSMEN AND SUB-CONTRACTORS ON THE JOB MUST CHECK ALL DIMENSIONS, LAYOUTS, AND OTHER DETAILS - AND SEEK CLARIFICATION WHERE NECESSARY -PRIOR TO THEIR PHASE OF CONSTRUCTION.
- 2. ENGINEERING SUPERCEDES DRAWINGS, REPRESENTATIONS, NOTES, DIMENSIONS, CALLOUTS, MARKERS, ETC. VERIFY ALL STRUCTURAL INFORMATION WITH THE ENGINEERING SHEET
- 3. "TYPICAL" MEANS TYPICAL FOR ALL SIMILAR CONDITIONS U.N.O.
- 4. ALL FRAMING DIMENSIONS ARE TO FACE OF FRAMING U.N.O.
- 5. ANY OWNER-INITIATED CHANGES TO THE PERMITTED PLANS WILL BE PROCESSED WITH A CHANGE ORDER AND DOCUMENTED WITH ISLAND COUNTY DEPARTMENT OF PLANNING AND DEVELOPMENT
- 6. SUBCONTRACTORS ARE RESPONSIBLE FOR THE DAILY CLEANUP AND REMOVAL OF DEBRIS AS RELATED TO THEIR TRADE UNLESS OTHERWISE PERMITTED BY A REPRESENTATIVE OF EAGLE DEVELOPMENT GROUP.
- 7. DO NOT SCALE DRAWINGS. CONTACT EAGLE BUILDING COMPANY FOR CLARIFICATION IF NECESSARY.
- 8. ALL CONSTRUCTION TO BE PER APPLICABLE AND GOVERNING CODES AND AUTHORITIES. SUBCONTRACTORS SHALL NOTIFY EAGLE BUILDING COMPANY OF ANY CONFLICT BETWEEN THE DRAWINGS AND THE GOVERNING CODES BEFORE THEIR PHASE OF CONSTRUCTION BEGINS.
- 9. SITE PLAN SHOWN ON THIS PLAN IS SUBJECT TO CHANGE. ALWAYS REFER TO PERMITTED SITE PLAN FOR SITE SPECIFICATIONS.

VICINITY MAP







Clinton, WA 98236 www.eaglebuildingcompany.con STOCK PLAN: N/A MODEL: CUSTOM

PROJECT NOTES:

O O NORTH ARROW

SHEET NO.

DATE:12/12/2022

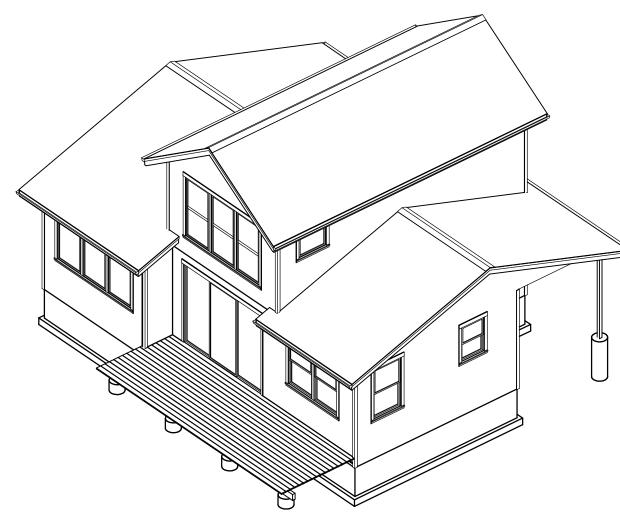


11248 SR 525 Clinton, WA 98236

STOCK PLAN: N/A MODEL: CUSTOM PROJECT NOTES:

FOUNDATION NOTES

- 1. ALL FOUNDATION WALL DIMENSIONS ARE TO FACE OF FRAMING U.N.O.
- 2. ALL FOOTING DIMENSIONS ARE TO CENTERLINE U.N.O.
- 3. ALL UNDER-FLOOR BEAM DIMENSIONS ARE TO CENTERLINE U.N.O.
- 4. ADD 3" TO FINISHED DOOR WIDTH FOR ALL DOOR BUCK-OUTS IN STEM WALL.

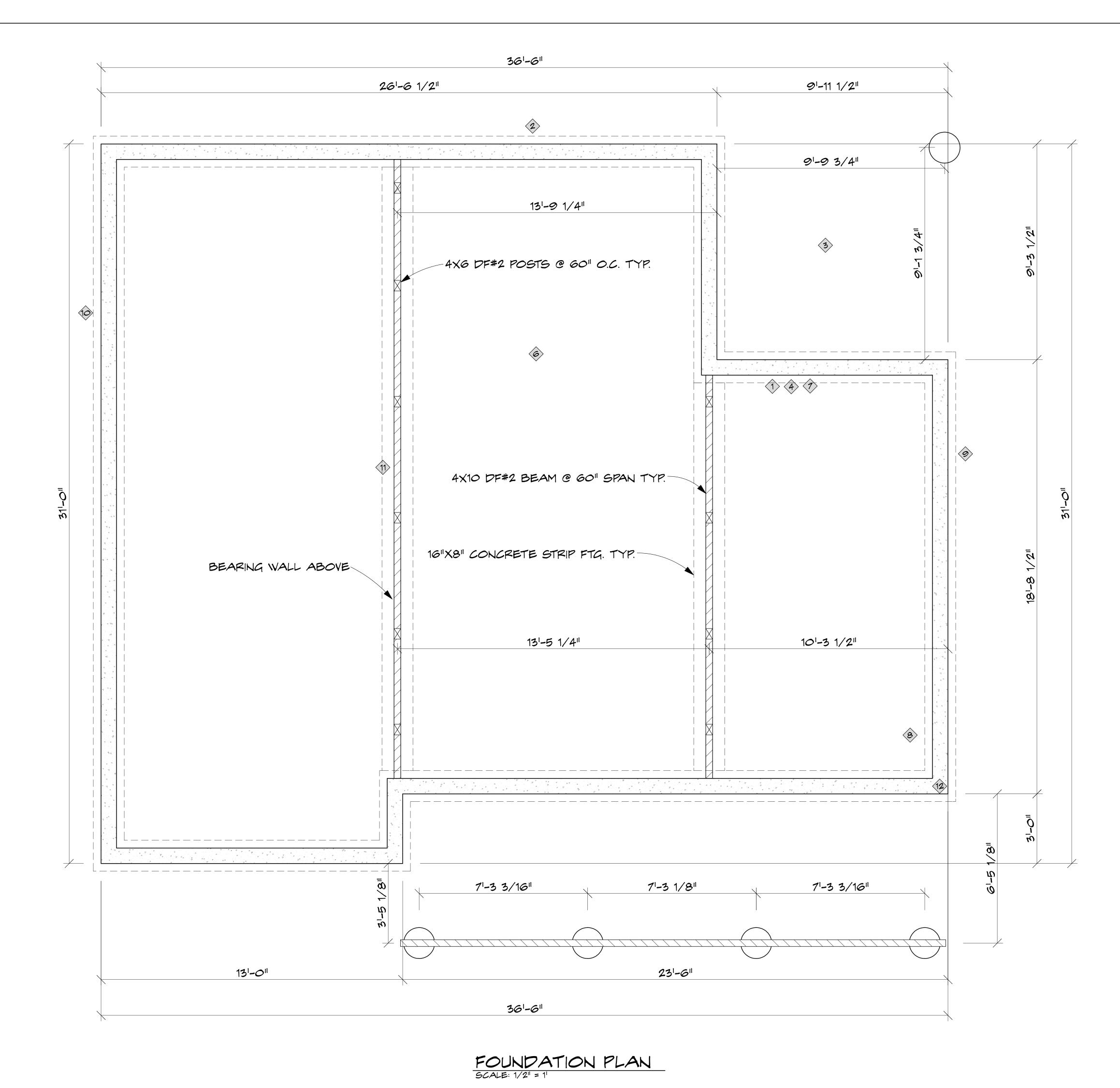


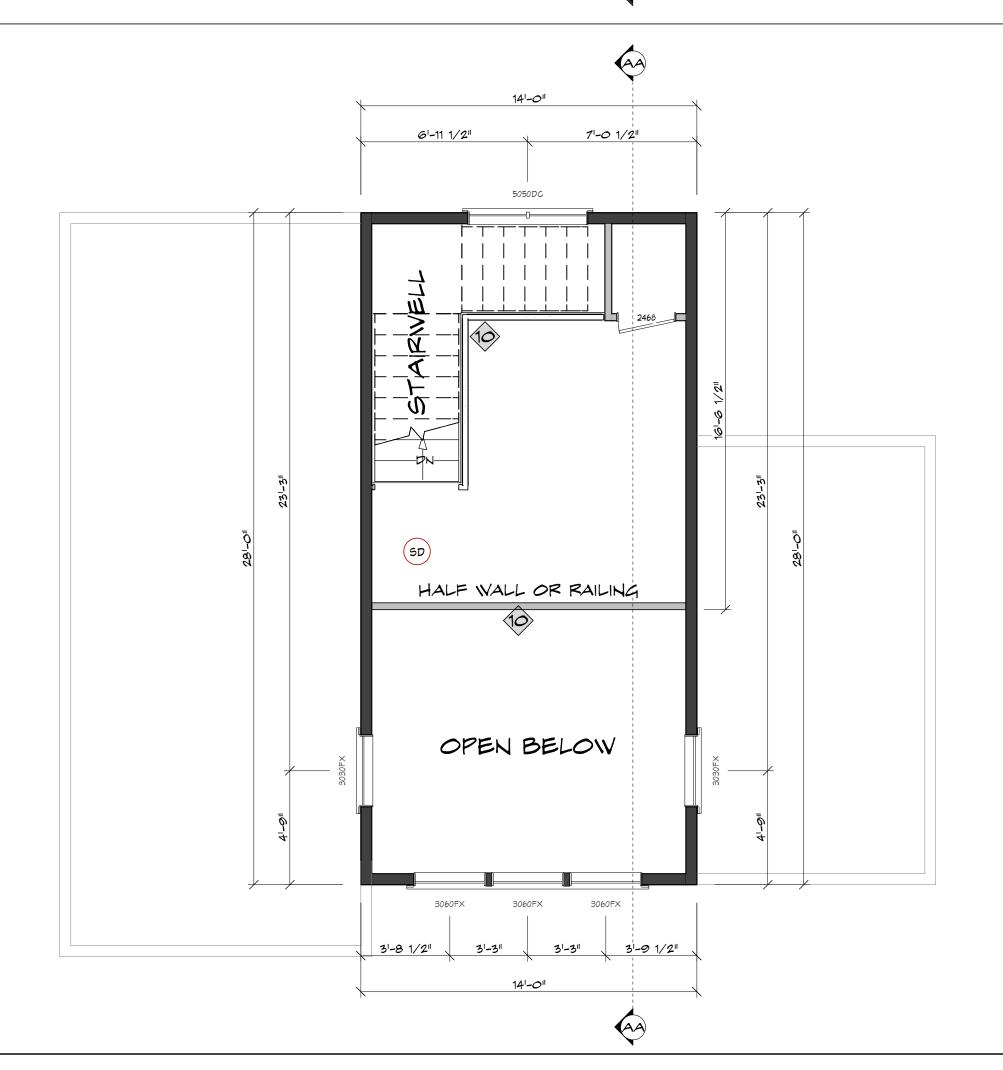
TOP FRONT RIGHT- NO SCALE

NORTH ARROW

SHEET NO.

DATE:12/12/2022





## FLOOR PLAN NOTES

- 1. MAIN FLOOR PLATE HEIGHT 9' -1 1/8" TYP.
- 2. HEADERS TO BE 4X10 DF#2 U.N.O.
- 3. WALL CONSTRUCTION SPECS PER 6/A5

## GENERAL FLOOR PLAN LEGEND

- 2 ENCLOSED ACCESSIBLE SPACE UNDER STAIRS TO BE PROTECTED WITH 1/2" GYPSUM (R302.7)
- 3 FIRE BLOCKING. (R302.11)
- STAIRWAY LIGHTING: SWITCH AT TOP AND BOTTOM, 1FT CANDLE AT LANDING AND TREADS (R303.7)
- 5 SAFETY GLASS (R308.4)
- © ESCAPE & RESCUE OPENING: 24" MIN HEIGHT, 20" MIN WIDTH, 5.7 SQFT MIN AREA, 44" MAX FROM SILL TO FINISHED FLOOR. MEET ALL 4 REQUIREMENTS (RC310)
- STAIRWAYS: 36" WIDE MINIMUM, 6'8" MIN HEADROOM AT ALL PARTS OF STAIRWAY AND LANDINGS (R311.7)
- 8 RISERS 7 3/4" MAX, RUNS 10" MIN, CANNOT VARY MORE THAN 3/8" SMALLEST TO LARGEST (R311.7.5)
- 9 HANDRAILS TO BE CONTINUOUS 34" TO 38" IN HEIGHT. (R311.7.8) (SEE R311.7.7.3 FOR GRIP REQS)
- GUARDS PER IRC 36" MIN HEIGHT SUCH THAT A 4" SPHERE MAY NOT PAGS THROUGH. (R312)
- (11) SMOKE DETECTOR HARDWIRED AND INTERCONNECTED WITH BATTERY BACKUP (R314)
- (12) CO ALARMS OUTSIDE EACH SLEEPING AREA IN IMMEDIATE VICINITY OF BEDROOMS. (R315)
- (13) USE P.T. WOOD WHEN EXPOSED TO WEATHER, GRADE, OR CONCRETE. (317.1)
- CLEARANCE FROM EXPOSED EARTH TO UNTREATED WOOD PLATE TO BE 8", 6" TO UNTREATED SIDING. (R317.1)
- FASTENERS TO P.T. WOOD TO BE HOT DIPPED GALVANIZED, STAINLESS STEEL, SILICONE BRONZE, OR COPPER. (R317.3.1)
- 16 FLASHING PER R703.8 (WINDOWS, DOORS, CHIMNEYS, DECK LEDGERS).

### PLUMBING AND MECH. LEGEND

- 16 SHOWER HEAD SHOULD NOT DISCHARGE AT ENTRANCE (UPC 408.9)
- 17 AIR GAP AT DISHWASHER (UPC 807.3)
- (18) ISLAND SINK VENTING TO MEET UPC 909 (UPC 909)
- INSERTS. STOVES, FIREPLACES: LISTED APPLIANCES INSTALLED PER MFR'S SPECS; COMBUSTION AIR OR DIRECT VENT; GLASS OR METAL DOORS (IRC CHAPTER 13)
- HOT WATER TANK: SEISMIC STRAPS AT UPPER AND LOWER 1/3 OF TANK; PRESSURE RELIEF VALVE TO OUTSIDE; WATERTIGHT PAN TO OUTSIDE; 18" FROM IGNITION SOURCE TO FINISHED FLOOR IN GARAGES; COMBUSTION AIR FOR GAS, PROPANE, AND NON-DIRECT VENT. (UPC 507.2, 608.5, 508.4; M 1307.3; G 2407)
- 2) BOLLARD (2000# LOAD) FOR MECH. OR PLUMBING EQUIPMENT. DESIGN IBC 1607.73 (M 1307.3.1)
- 22 CLEANOUTS PER UPC (REQ. AT ALL SINKS)
- WATER HAMMER ARRESTOR REQ. AT ALL QUICK-ACTING VALVES (UPC 609.10)

## ENERGY & VENTILATION CALLOUTS:

- DUCT INSULATION R-8. DUCTS W/IN CONCRETE/GROUND INSULATED TO R-10 DESIGNED FOR BELOW GRADE. (WSEC R403.3.1)
- DUCTS, AIR HANDLERS, AND FILTER BOXES SHALL BE SEALED. ADDITIONAL DUCT REQUIREMENTS M1601.4 DUCT TESTING REQUIRED. (WSEC R403.3.2 & R403.3.3)
- 50CFM MIN BATHROOM, 100CFM MIN KITCHENS, VENTED TO THE OUTSIDE (TABLE M1507.4)
- WHOLE HOUSE FAN (PRESCRIPTIVE SIZING PER TABLE M1507.3.3 (1)). (M1507.3.4.1)
- INDIVIDUAL OUTDOOR AIR INLETS OR OPERABLE WINDOWS WITH AN OPENABLE AREA NOT LESS THAN 4 SQ. IN. NET (M1507.3.4.4) FREE AREA FOR EACH 10 CFM OF OUTDOOR AIR REQUIRED BY TABLE M 1507.3.3(1) IN EACH HABITABLE ROOM.
- PROVIDE AIR LEAKAGE TEST. PROVIDE THE COMPLETED PASSING TEST RESULT CERTIFICATE TO THE BLDG DEPT. (WSEC R402.4)
- PROVIDE AT LEAST ONE PROGRAMMABLE THERMOSTAT FOR THE PRIMARY SPACE CONDITIONING SYSTEM AND ONE PROGRAMMABLE THERMOSTAT FOR EACH ADDITIONAL SYSTEM. (WSEC 403.1)
- 3) INSULATE HOT WATER PIPE, BOTH WITHIN & OUTSIDE OF CONDITIONED SPACE, SHALL HAVE A MINIMUM R-3. HOT AND COLD WATER PIPE IN UNCONDITIONED SPACE SHALL HAVE A MINIMUM R-3 INSULATION. (WSEC R403.5.3 UPC 312.6 AMEND)

EAGLE DEVELOPMENT GROUP Office: 360.331.7813 11248 SR 525 Clinton, WA 98236

> STOCK PLAN: N/A MODEL: CUSTOM

PROJECT NOTES:

OOR PLAN

ЭНЕЕТ:

ADU MODEL: "ELIZABET STREET NAME OITY, WA ZIP

SHEET NO.

NORTH ARROW

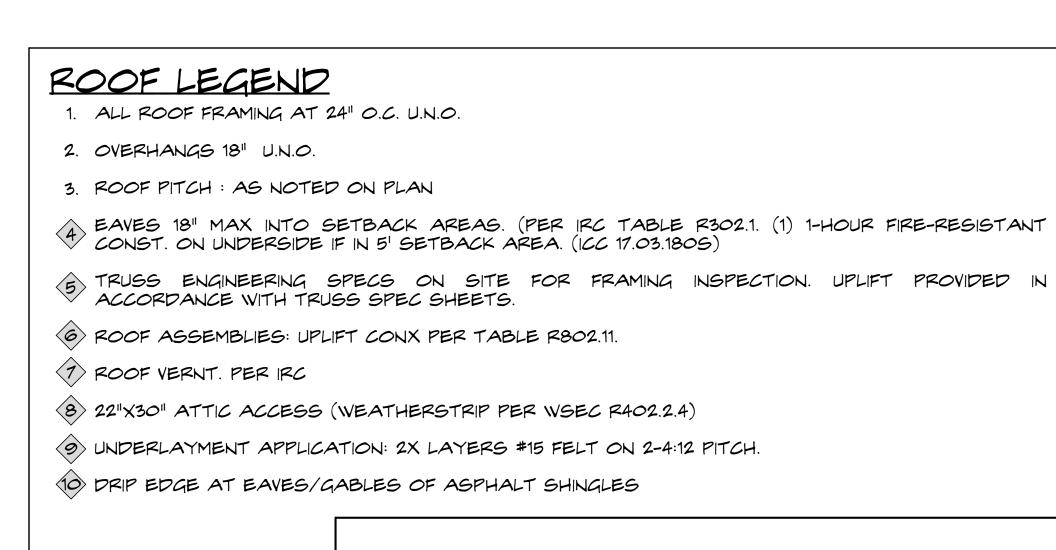
DATE:12/12/2022



EAGLE DEVELOPMENT GROUP Office: 360.331.7813 11248 SR 525 Clinton, WA 98236

STOCK PLAN: N/A MODEL: CUSTOM PROJECT NOTES:

SHEET NO.



TANKLESS / H2O HEATER

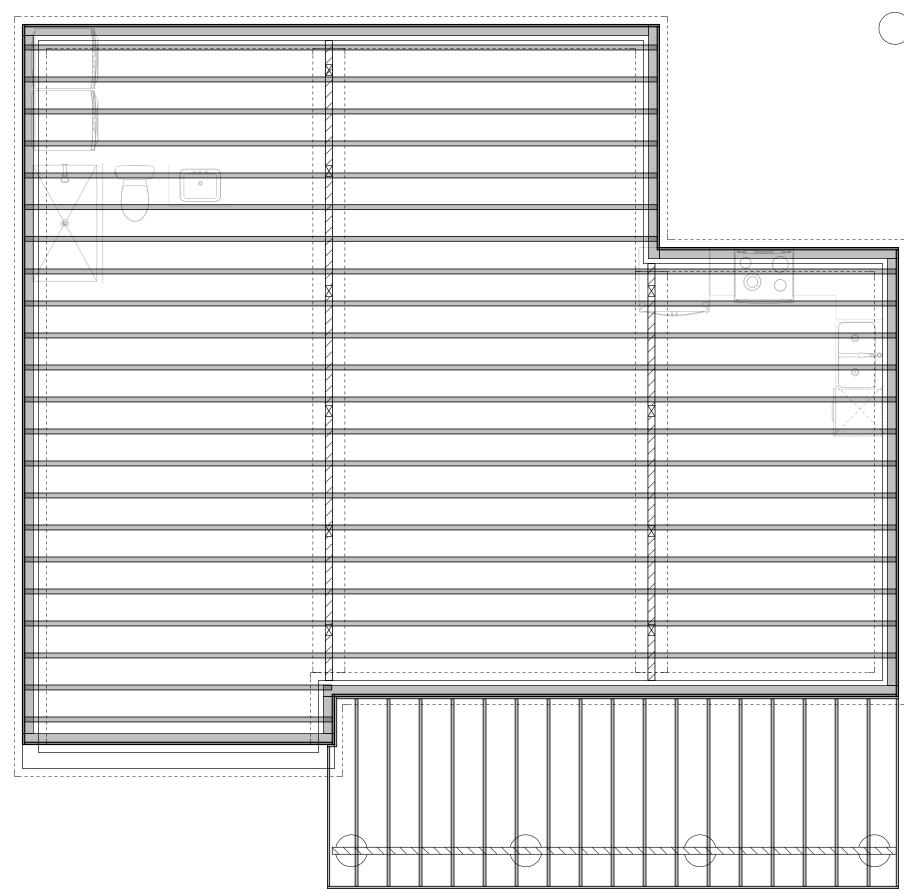
BATH

BEDROOM

LAUNDRY

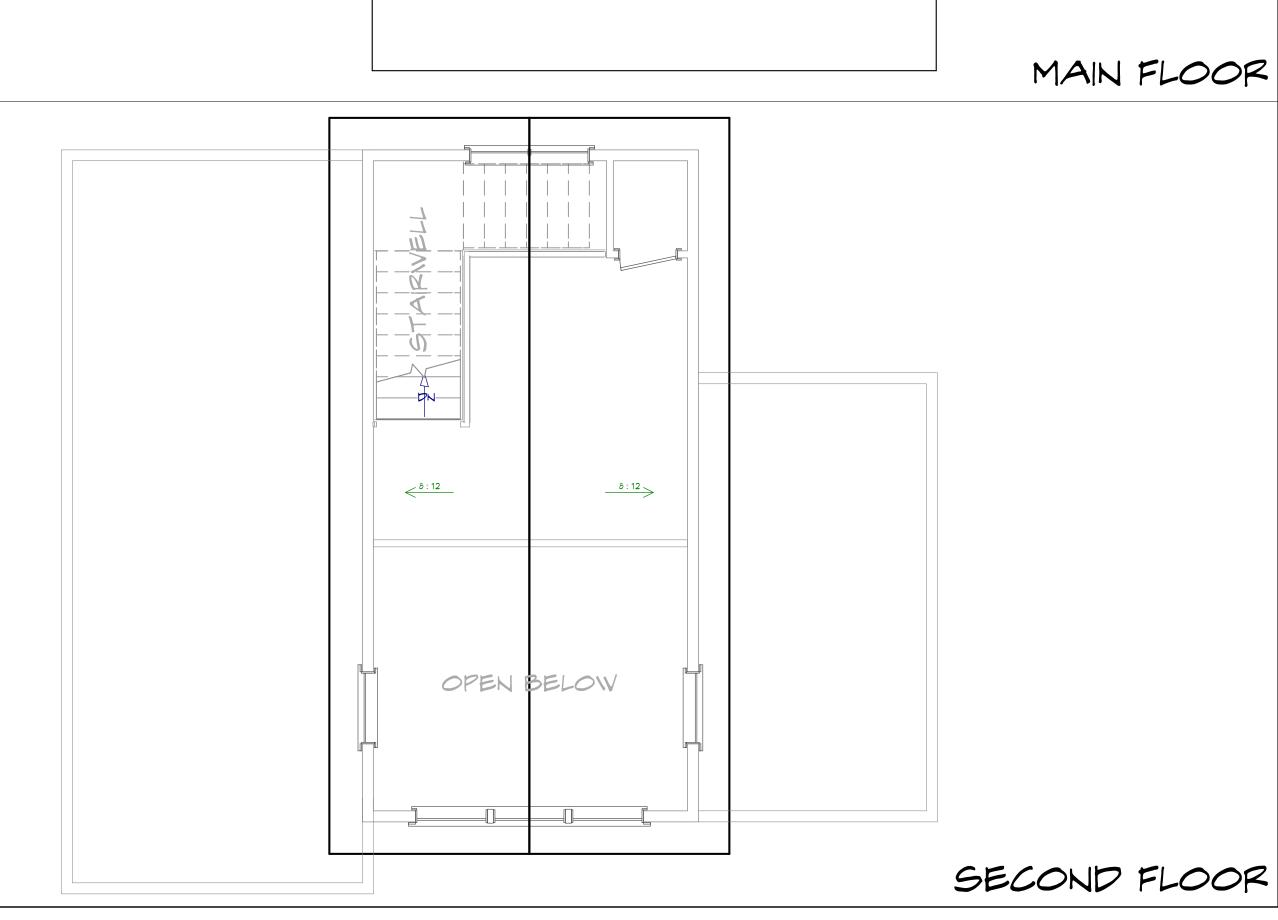
# FLOOR LEGEND

- 1. FLOOR JOISTS PER ENGINEERING
- 2. DECK JOISTS PER ENGINEERING
- 3. DECK BEAMS PER ENGINEERING
- 4. FLOOR JOIST LAYOUT SHOWN FOR DESIGN PURPOSES ONLY. INSTALL FLOOR SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 5 CRAWL ACCESS MIN 18X24. INSULATE AND WEATHER STRIP WHEN IN HOUSE. (WSEC 502.4.3)
- 6 FLOOR JOISTS, CEILING JOISTS, AND RAFTERS TO BE BLOCKED AT ENDS, INTERMEDIATE SUPPORTS, AND BEARING POINTS. (R502.7/802.8)
- WHERE DECKS ARE SUPPORTED BY ATTACHMENT TO AN EXTERIOR WALL, THEY SHALL BE POSITIVELY ANCHORED WITH HOLD DOWNS. EITHER (2) 1500# ALLOWABLE STRESS DESIGN CAPACITY OR (4) 750# ALLOWABLE STRESS DESIGN.(R507.2.4 AMEND; FIGURES R507.2.3 (1) &
- 8 FLOOR ASSEMBLIES, NOT REQUIRED ELSEWHERE IN THIS CODE, SHALL BE PROVIDED WITH 1/2" GWB OR 5/8" WOOD STRUCTURAL PANEL OR EQUIVALENT ON THE UNDERSIDE OF THE FLOOR FRAMING MEMBERS.(R302.13)



MAIN FLOOR

SECOND FLOOR



STORAGE

LIVING ROOM (OPEN ABOVE)

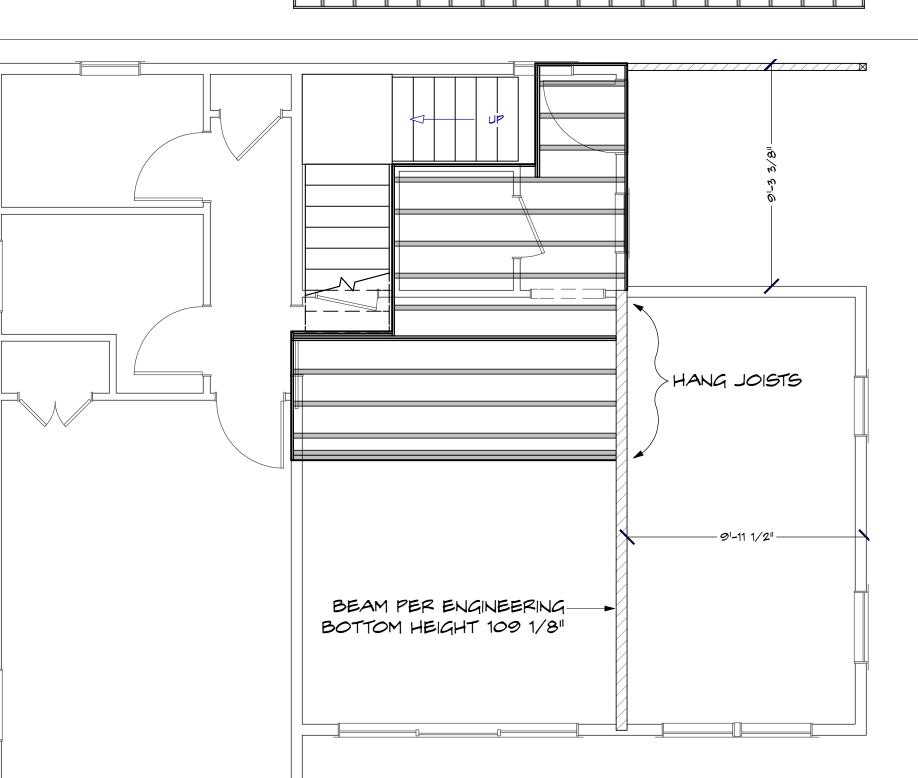
DECK

COVERED

ENTRY

DINING

KITCHEN



Office: 360.331.7813
11248 SR 525
Clinton, WA 98236
www.eaglebuildingcompany.com
STOCK PLAN: N/A
MODEL: CUSTOM

PROJECT NOTES:

ROOF A FLOOR LAYOLL

ODEL: "ELIZABETT

ADD MOSTERIES NO STEELY, WAS A

NORTH ARROW

SHEET NO.

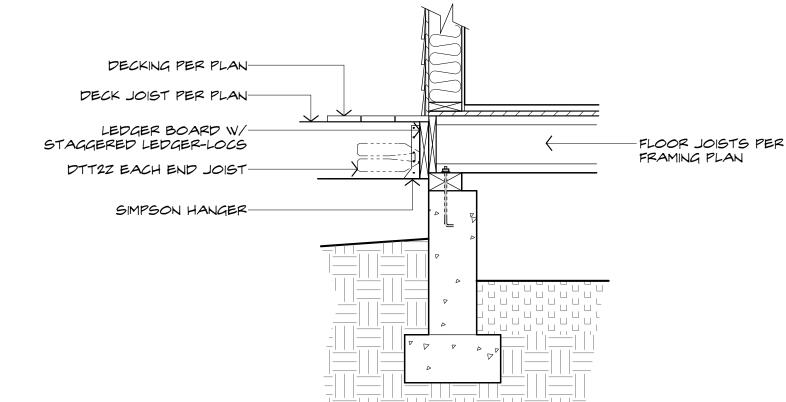
**A4**DATE:12/12/20



41

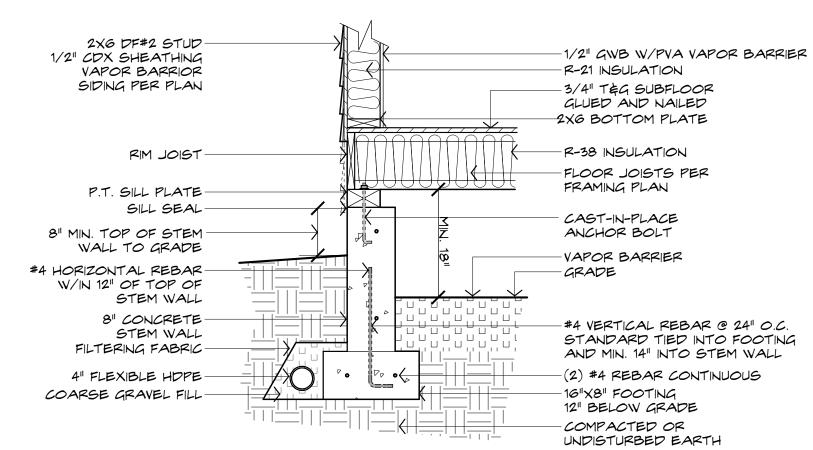
GUARDS TO BE 36" -MIN SUCH THAT A 4" SPHERE MAY NOT PASS THROUGH HANDRAILS 34-38" IN HEIGHT (GRIPS: R311.7.7.3) RISERS : 7 3/4" MAX RUNS : 10" MIN. STAIRS 36" WIDE MIN. (N.M.T. 3/8" SMALLEST TO LARGEST) 2X12 STRINGER

3 STAIRS - STANDARD DETAIL SCALE: 3/4" = 11



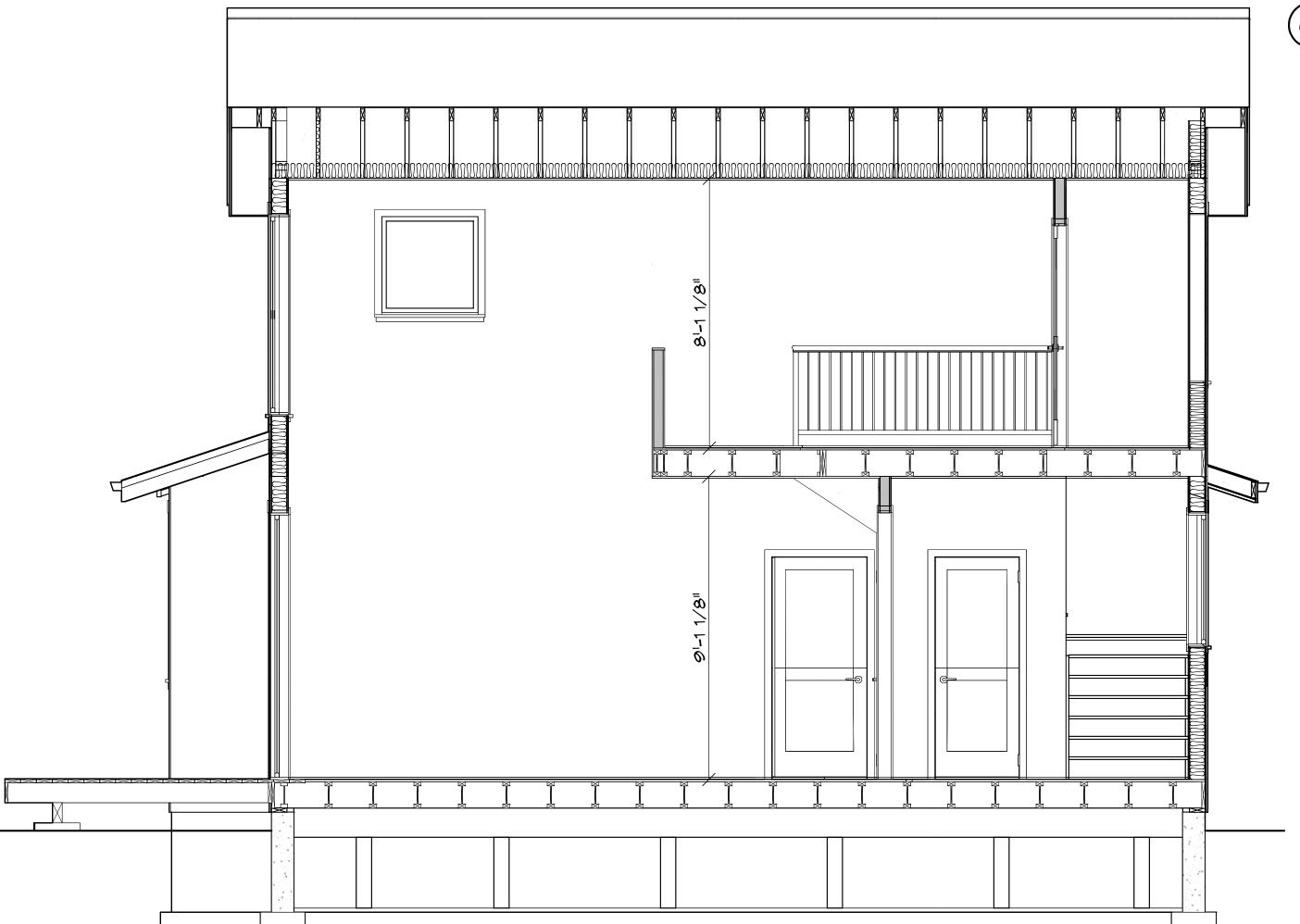
DECK CONNECTION - STANDARD DETAIL

SCALE: 3/4" = 1'



ROOF & EAVE - STANDARD DETAIL SCALE: 3/4" = 1'

8 SOUTH PERSPECTIVE



WALL TYPES - STANDARD CONSTRUCTION NO SCALE

7 UNDER-FLOOR POST- STANDARD DETAIL SCALE: 3/4" = 1'

EXTERIOR WALL :: 2X6 DOUGLAS FIR #2

OR BETTER STUDS @ 16" O.C. W/R-21 INSULATION BATTENS; SPRAY FOAM INSULATION ALL PLATE PERFORATIONS.

INTERIOR PLANE: 1/2" GYPSUM WALL BOARD W/SEALED, TEXTURED, AND PAINTED FINISH; ALL CEILING DRYWALL SEAMS CAULKED TO WALL TOP PLATE

W/LATEX CAULK; EXTERIOR PLANE: 1/2" CDX SHEATHING W/VAPOR BARRIER;

INTERIOR WALL - 6" :: 2X6 DOUGLAS FIR #2 OR BETTER STUDS @ 16" O.C.; 1/2" GYPSUM WALL BOARD W/SEALED,

TEXTURED AND PAINTED FINISH; ALL CEILING DRYWALL SEAMS CAULKED TO WALL TOP PLATE W/LATEX CAULK; SPRAY FOAM INSULATION ALL PLATE

INTERIOR WALL - 4" :: 2X4 DOUGLAS FIR #2 OR BETTER STUDS @ 16" O.C.; 1/2" GYPSUM WALL BOARD W/SEALED,

TEXTURED AND PAINTED FINISH; ALL CEILING DRYWALL SEAMS CAULKED TO WALL TOP PLATE W/LATEX CAULK;

SPRAY FOAM INSULATION ALL PLATE PERFORATIONS.

SIDING PER PLAN.

PERFORATIONS.

TEG SUBFLOOR

SOLID BLOCKING

-FLOOR JOIST PER

-POST CAP (PC4Z)

-4X6 DF#2 POST

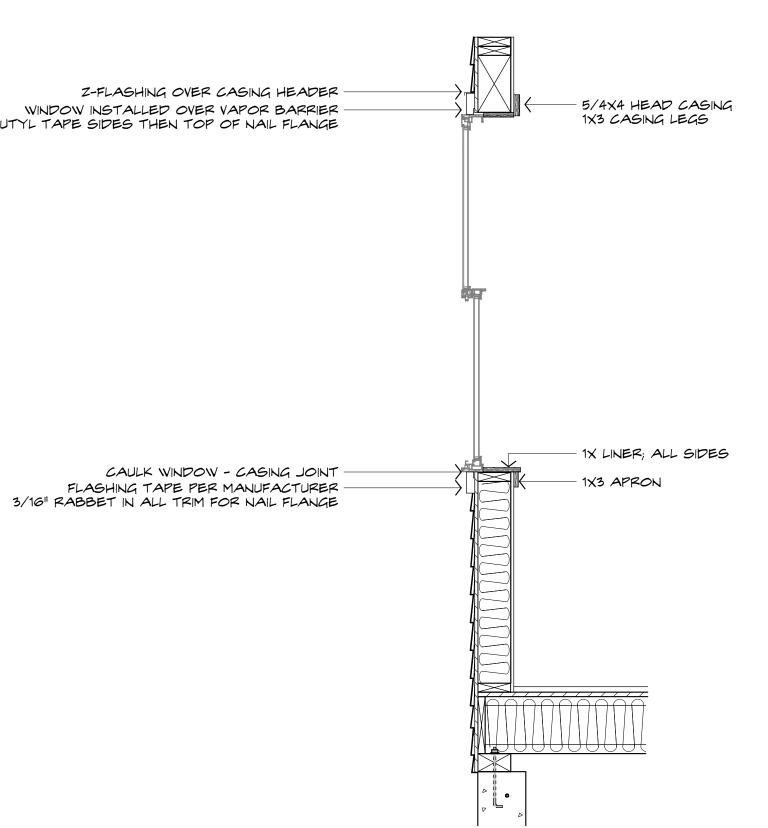
BEAM PER ENGINEERING

-P.T. 2X4 FOOTING SILL PLATE RAM SET INTO PLACE

-(2) #4 REBAR CONTINUOUS -16"X8" STRIP FOOTING

AT BEARING

ENGINEERING



5 WINDOW INSTALLATION - STANDARD DETAIL SCALE: 3/4" = 11

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NORTH ARROW

SHEET NO. A5

DATE:12/12/2022

SECTION A-A

SCALE: 3/8" = 11

WINDOW INSTALLED OVER VAPOR BARRIER BUTYL TAPE SIDES THEN TOP OF NAIL FLANGE