

VERECO SMART GREEN HOMES TINY HOME CONSTRUCTION DRAWINGS

SASKATCHEWAN

DRAWING LIST:

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Drawing Title:



VERECO SMART GREEN HOMES 302, Salloum Crescent Saskatoon, SK S7W 1N1

www.vereco.ca 306.713-0795

METIS NATION SASKATCHEWAN

Project **TINY HOME**

NLT CONSTRUCTION NON-ACCESSIBLE

CD05 REV 0 PRICING ONLY NOT FOR CONSTRUCTION

Date:

FEB 6, 2025

Scale: N.T.S.

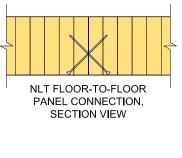
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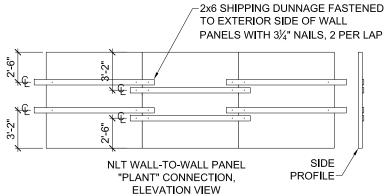
GENERAL NOTES:

- ALL CONSTRUCTION IS TO COMPLY WITH THE NATIONAL BUILDING CODE OF CANADA.
- DOOR AND WINDOW SCHEDULE BY OWNER. SEE SUPPLIER FOR ROUGH OPENING SIZES.
- 3. ELECTRICAL DESIGN, HEATING AND VENTILATION DESIGN BY CONTRACTOR.
- 4. ELECTRICAL FIXTURE SPECIFICATIONS BY OWNER.
- 5. INTERIOR AND EXTERIOR FINISH CARPENTRY TO BE DECIDED BY OWNER.
- 6. ANY ERRORS OR OMISSIONS TO BE REPORTED TO THE OWNER.
- 7. USE CAUTION WHEN SCALING DRAWINGS.

CONNECTION NOTES:

- 1. CONFIRM CONNECTION DESIGN WITH STRUCTURAL ENGINEER.
- REFER TO NAIL LAMINATED TIMBER CANADIAN DESIGN & CONSTRUCTION GUIDE.
- EUROTEC PANELTWISTEC TK AG SCREWS ARE THE PREFERRED PANEL FASTENERS.
- 4. FLOOR-TO-FLOOR CONNECTION, SELF-TAPPING FULLY THREADED SCREWS INCLINED AT 45°, FROM UNDERSIDE OF FLOOR.
- 5. PROVIDE 1/8" MAXIMUM GAP BETWEEN FLOOR AND WALL PANELS.
- 6. WALL-TO-WALL CONNECTION, TOP WALL PLATES FASTENED WITH EUROTEC PANELTWISTEC TK AG SCREWS OR EQUIVALENT.
- 7. WALL-TO-FLOOR CONNECTION, BOTTOM WALL PLATES FASTENED WITH EUROTEC PANELTWISTEC TK AG SCREWS OR EQUIVALENT.
- 8. WALL-TO-WALL CORNER CONNECTION, TOP AND BOTTOM PLATES AND SCREW FASTENERS ALONG JOINT.
- 9. BEAM-TO-WALL CONNECTION, BEAM FASTENED TO WALL POCKET WITH WASHER HEAD HIGH TENSILE SCREWS (@ 2 LOCATIONS).





BUILDING CODE ANALYSIS:

THIS BUILDING IS DESIGNED UNDER PART 9 OF THE NATIONAL BUILDING CODE OF CANADA (NBCC).

SUMMARY OF WORK: NEW CONSTRUCTION

OCCUPANCY USE: RESIDENTIAL, GROUP C,

ONE STOREY

BUILDING AREA: 352 ft² (32.7 m²)

CONSTRUCTION TYPE: COMBUSTIBLE / NON-COMBUSTIBLE (NBCC 9.10.14.5.)

LIABILITY NOTES:

Contractor shall check and verify all specifications and dimensions. Report discrepancies to <a href="https://www.own.com/own.

Errors, omissions, or any deviation from plans or specs., becomes the responsibility of the contractor. Construction procedures and or quality of materials is the responsibility of the contractor to enforce. Contractor shall accept full responsibility of these plans.

The below building plans relate only to building drawings or plans based on the instructions of the customer. Such drawings or plans are in accordance with the "canadian national building code", and are not to be regarded as engineered drawings or plans. It is the responsibility of the customer to obtain appropriate structural, mechanical, electrical, and geotechnical engineering services as required, and engage a contractor to use proper materials and building practices in the construction of the proposed building.

Owner and or contractor, is responsible for the building project, and for managing safety on the site. Record drawings are based, in large part, on information supplied by OWNERS and others.

This Firms Liability To The Client Or Third Parties, Either In Contract Or In Tort, And Including Negligence, Shall Be Absolutely Limited To The Value Of Fees Paid To This Firm For This Project.

- Unless Geotechnical Tests indicate a soil type with corresponding Bearing and Friction values, Soil for this project is considered to be at least CLAY "Semi Tough" at the footing level or throughout the pile effective length with an allowable Soil bearing value of 2,000 psf and S.F. of 600 psf.
- 2. Frost Depth is considered as 8'-0" for all piles.
- All footings must sit on undisturbed soil. If excavation is dug too deep, increase footing depth to compensate.

CONSTRUCTION ASSEMBLIES

ROOF ASSEMBLY:

- SHINGLES
- ICE AND WATER SHIELD
- 5/8" OSB SHEATHING OR 1/2" MILL CERTIFIED PLYWOOD
- 2x2 STRAPPING ADJACENT TO ROOF JOISTS @ 24" o.c.
- 1x3 STRAPPING PERPENDICULAR TO ROOF
- 2x10 SPF 1 OR 2 RAFTER SPACED @ 16" O.C. WITH R35 BATT INSULATION
- 6 mil POLY AIR-VAPOUR BARRIER OR PRO CLIMA INTELLO, CERTAINTEED MEMBRANE*
- 1/2" GYPSUM BOARD

FLOOR ASSEMBLY:

- 5/8" T&G OSB
- 6 mil POLY AIR-VAPOUR BARRIER
- 2x12 SPF 1 OR 2 JOISTS @ 16" O.C.
- R40 BATT INSULATION

7/16" BELLY BOARD OSB SHEATHING (WEATHER / RODENT PROOFED)

EXTERIOR WALL ASSEMBLY:

- VINYL SIDING (UPGRADE AVAILABLE)
- 1/2 " EPS INSULATION
- VAPOUR PERMEABLE WEATHER BARRIER
- 3/8" OSB SHEATHING
- 2x6 SPF WOOD STUDS @ 16" O.C.
- R22 (6") BATT INSULATION
- 6 mil POLY AIR-VAPOUR BARRIER OR PRO CLIMA INTELLO, CERTAINTEED MEMBRANE*
- 1/2" GYPSUM BOARD

2x4 INTERIOR PARTITION ASSEMBLY:

- 1/2" GYPSUM BOARD
- 2x4 SPF WOOD STUDS @ 16" O.C.
- 1/2" GYPSUM BOARD

(GYPSUM WALL BOARD TO BE FINISHED WITH A LOW VOC PAINT)

2x6 INTERIOR PARTITION ASSEMBLY:

- 1/2" GYPSUM BOARD
- 2x6 SPF WOOD STUDS @ 24" O.C.
- 1/2" GYPSUM BOARD
- (GYPSUM WALL BOARD TO BE FINISHED WITH A LOW VOC PAINT)

SHOWER/BATH WALL ASSEMBLIES:

- ENSURE WATERPROOF FINISH AT SHOWERS.

Date:

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Scale: N.T.S.

IF USING CERTAINTEED MEMBRANE ON ROOF OR WALLS ASSEMBLIES, AN ENGINEER OR ARCHITECT WILL SIGN OFF ON THE PRODUCT USE

Drawing Title:

GENERAL INFORMATION

Drawn by:

VERECO SMART GREEN HOMES

302, Salloum Crescent Saskatoon, SK S7W 1N1 www.vereco.ca 306.713-0795

METIS NATION SASKATCHEWAN

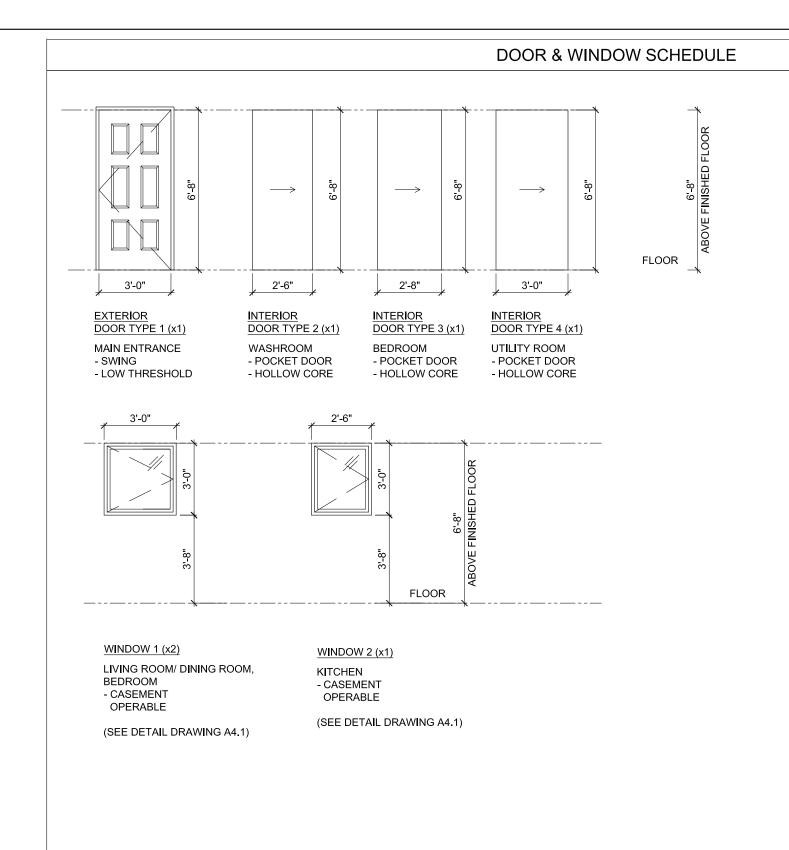
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TINY HOME

| NLT CONSTRUCTION | NON-ACCESSIBLE

Drawing Number:





GENERAL NOTES

- ALL WINDOWS ARE ALL WEATHER WINDOWS U.N.O.
- WINDOWS AND DOORS SHOWN ARE THE ACTUAL SIZES UNLESS NOTED OTHERWISE. THE ROUGH FRAMED OPENING SHOULD BE AN 1" TO 2" GREATER IN WIDTH AND HEIGHT FOR DOORS AND WINDOWS.

WINDOW AND DOOR SPECIFICATION:

- COLOR WHITE INTERIOR AND WHITE EXTERIOR FRAME.
- •• NFRC: Energy Star U=1.14

SHGC=0.49

ER=43

NRCan=NR5695-34612577-ES5

NAFS: CW-PG70

PDP=3360Pa(70psf) NDP=-3360Pa(-70psf)

WPRTP=730Pa(15psf) CAI=FX

OORS:

- POLYURETHANE INSULATION WITH R8 OR BETTER (MINIMUM OF R6).
- DOUBLE PANEL SHAKER STYLE (TYPICAL).
- SOLID CORE WHERE SOUNDPROOFED. HOLLOW CORE EVERYWHERE ELSE.
- INTERIOR DOORS WILL BE PAINTED SEMIGLOSS WHITE.

WINDOWS

- ALL OPENING WINDOWS TO HAVE BUG SCREENS.
- ALL WINDOWS MUST BE OPERABLE TO ALLOW FOR CROSS VENTIL ATION
- CONFIRM ROUGH OPENING ON SITE PRIOR TO FABRICATION.
- PROVIDE PREFINISHED METAL FLASHING OVER ALL EXTERIOR WINDOWS AND DOORS.
- BEDROOM WINDOWS TO MEET NBC EGRESS REQUIREMENTS, UNOBSTRUCTED OPENING TO BE A MINIMUM OF 3.77 ft² (0.35 m²) WITH NO DIMENSIONS LESS THAN 15" (380mm).
- ALL WINDOW SILLS WILL HAVE AN MDF SILL INSTÉAD OF JUST DRYWALL RETURNS.

Drawing Title:

DOOR & WINDOW SCHEDULE

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Revision:

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FOR CONCEPTUAL REFERENCE ONLY

Drawing Title:

CONCEPT RENDERINGS

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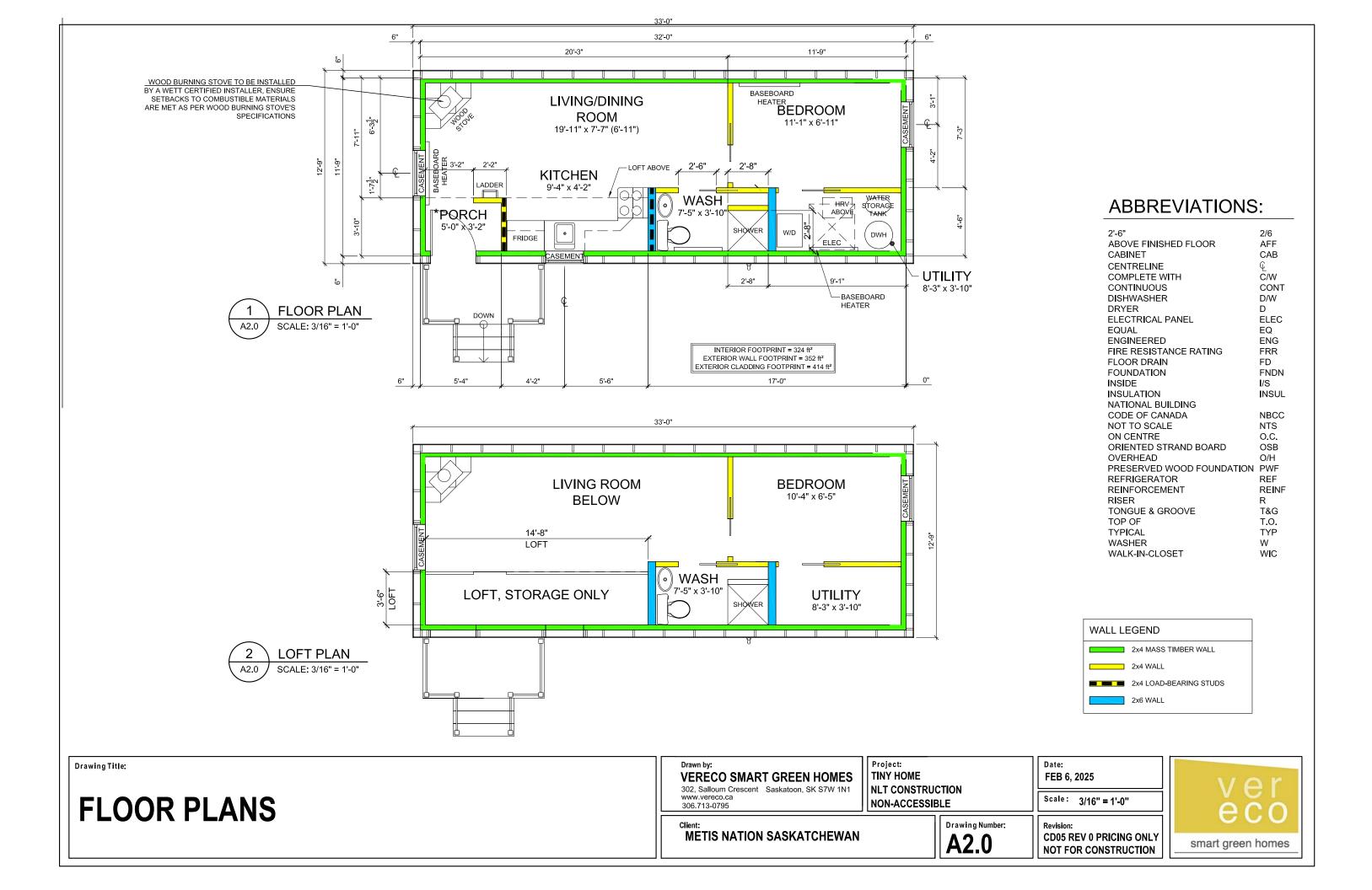
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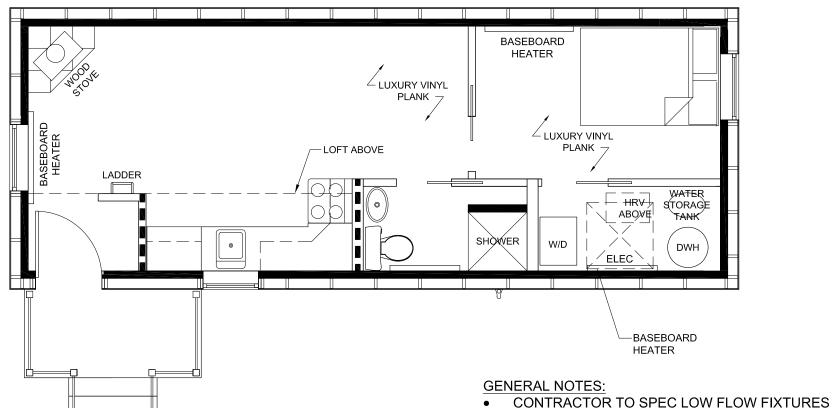
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Scale: N.T.S.







SPECIFICATIONS ITEM PRODUCT **SPECIFICATIONS** NOTES APPLIANCES STACKABLE SUPPLIER: GE APPLIANCES CAPACITY: 5.9 FT³ **EQUIVALENT SPECIFICATION** WASHER/ DRYER MODEL: GUD57EEMTDG FUEL TYPE: ELECTRIC TO BE APPROVED BY OWNER WEIGHT: 111KG **DIMENSIONS: 26.5IN X 30.8IN X 75.8IN** SUPPLIER: DANBY **EQUIVALENT SPECIFICATION** REFRIGERATOR CAPACITY: 10.1 FT³ MODEL: DFF101B1BSLDB TO BE APPROVED BY OWNER FUEL TYPE: ELECTRIC WEIGHT: 59KG **DIMENSIONS: 23.4IN X 26.1IN X 59.5IN** OVEN SUPPLIER: DANBY CAPACITY: 2.5 FT³ EQUIVALENT SPECIFICATION MODEL: DERM240BSSC TO BE APPROVED BY OWNER FUEL TYPE: ELECTRIC WEIGHT: 51.04KG **DIMENSIONS: 23.4IN X 25.8IN X 41.5IN**

FINISHES PLAN

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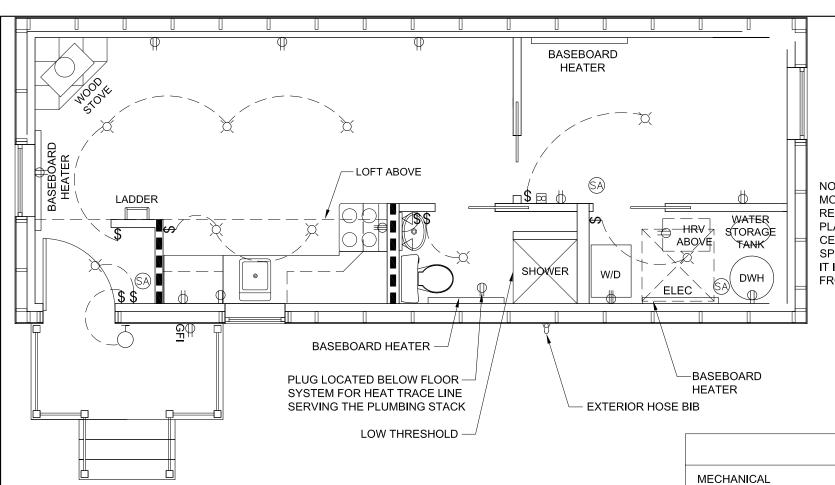
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Scale: 1/14" = 1'-0"

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NOTE: SMOKE AND CARBON MONOXIDE ALARM (DUAL) REQUIRED IN LIVING AREA. PLACE AT HIGHEST POINT IN CEILING. BE SURE TO CHECK SPECIFICATIONS TO ENSURE IT IS FAR ENOUGH AWAY FROM THE WALL

LEGEND:	
LIGHT FIXTURE	X
WALL LIGHT	Θ
POT LIGHT	lacktriangle
SMOKE ALARM (WIRED)	SA
SINGLE SWITCH	↔
3 WAY SWITCH	[∾]
4 WAY SWITCH	4₩
DIMMER SWITCH	°
110 DUPLEX RECEPTACLE	\Rightarrow
SURFACE MOUNTED DUPLEX RECEPTACLE	Θ
220 RECEPTACLE	\blacksquare
GROUND FAULT INTERRUPTER	<u>₽</u>
FORCED AIR (SUPPLY)	FA
RETURN AIR GRILLE	A A
THERMOSTAT	⊠ ⊠

ELECTRICAL	ELECTRICAL					
ITEM	PRODUCT	SPECIFICATIONS	NOTES			
LIVING ROOM AND BEDROOM BASEBOARD HEATER	SUPPLIER: STELPRO MODEL: B1002W	ELECTRIC BASEBOARD HEATER VOLTAGE: 240 WATTAGE: 1000W	EQUIVALENT SPECIFICATION TO BE APPROVED BY OWNER			
WASHROOM AND UTILITY ROOM BASEBOARD HEATER	SUPPLIER: STELPRO MODEL: B0752W	ELECTRIC BASEBOARD HEATER VOLTAGE: 240 WATTAGE: 750W	EQUIVALENT SPECIFICATION TO BE APPROVED BY OWNER			

VERECO SOLAR READY NOTES:

- 1. PROVIDE 2" PVC VERTICAL CONDUIT FROM ATTIC (ABOVE INSULATION) TO MECHANICAL ROOM.
- 2. PROVIDE 2" FLEXIBLE PVC FROM METERING POINT TO EQUIPMENT.

MECHANICAL			
ITEM	PRODUCT	SPECIFICATIONS	NOTES
HRV	SUPPLIER: ACURASEE MECHANICAL MODEL: MINI	CAPACITY: 45 M3/H VOLTAGE: 12/120 V POWER: 4 W ORIFICE DIAMETER: 3" WEIGHT: 5 KG DIMENSIONS: 15.7 in x ~11.8 in x ~6.3 in	EQUIVALENT SPECIFICATION TO BE APPROVED BY OWNER
HOT WATER HEATER	SUPPLIER: RHEEM COMMERCIAL POINT OF USE MODEL: 594354	ELECTRIC TANK WATER HEATER WATTAGE: 3000 VOLTAGE: 240 V CAPACITY: 30 GALLON	EQUIVALENT SPECIFICATION TO BE APPROVED BY OWNER
WATER STORAGE TANK	SUPPLIER: QMP PRODUCTS MODEL: 60068-2	MATERIAL: FOOD GRADE POLYETHYLENE. BPA FREE CAPACITY: 102 US GALLONS	EQUIVALENT SPECIFICATION TO BE APPROVED BY OWNER
WOOD STOVE 900 Sq.Ft. CAST IRON LOG WOOD STOVE	SUPPLIER: US STOVE COMPANY MODEL: # US1269E HOME DEPOT STORE SKU # 1001808605	MATERIAL: CAST IRON FUEL: WOOD HEAT OUTPUT: 54,000 BTU/HR WEIGHT: 134 LBS	EQUIVALENT SPECIFICATION TO BE APPROVED BY OWNER. NOTE THAT PREFERRED OPTION IS TO BE CSA

SPECIFICATIONS

Drawing Title:

MECHANICAL / ELECTRICAL PLAN

VERECO SMART GREEN HOMES

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DIMENSIONS: 33 in x 18.5 in x 23 in

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

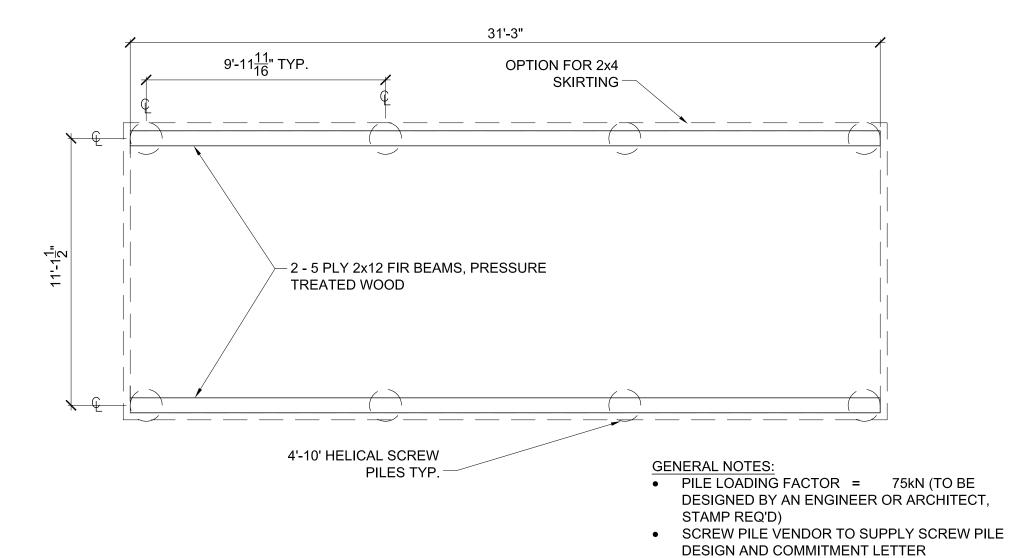
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APPROVED FOR HEATING CAPACITY BASED ON PROVIDED ENERGY REPORT

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Drawing Number:





FOUNDATION / CRAWLSPACE PLAN

Drawing Title:

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302 Salloum Crescent Saskatoon SK S7W 1N1

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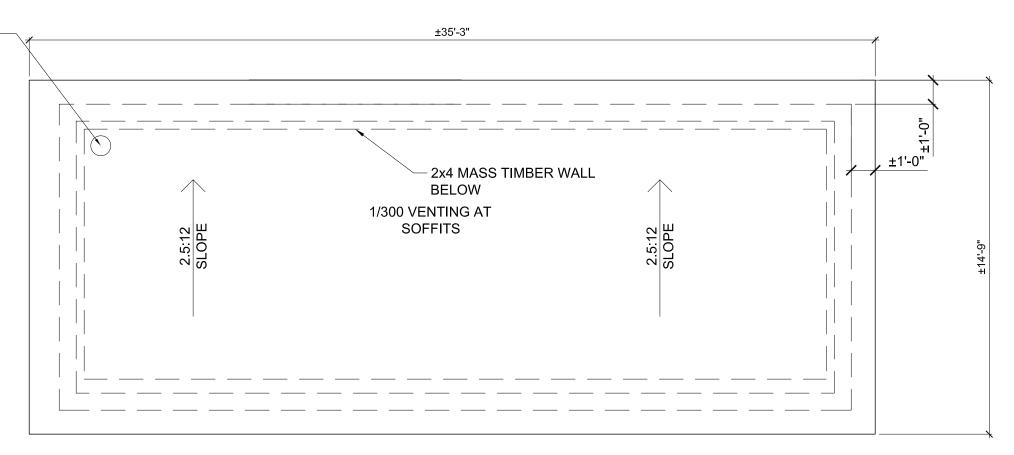
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WOOD BURNING STOVE TO BE INSTALLED BY A WETT CERTIFIED INSTALLER, ENSURE SETBACKS TO COMBUSTIBLE MATERIALS ARE MET AS PER WOOD BURNING STOVE'S SPECIFICATIONS. CHIMNEY AND ALL FRAMING/SURROUNDING ASSEMBLIES TO MEET WOOD BURNING STOVE'S SPECIFICATIONS.



Drawing Title:

ROOF PLAN

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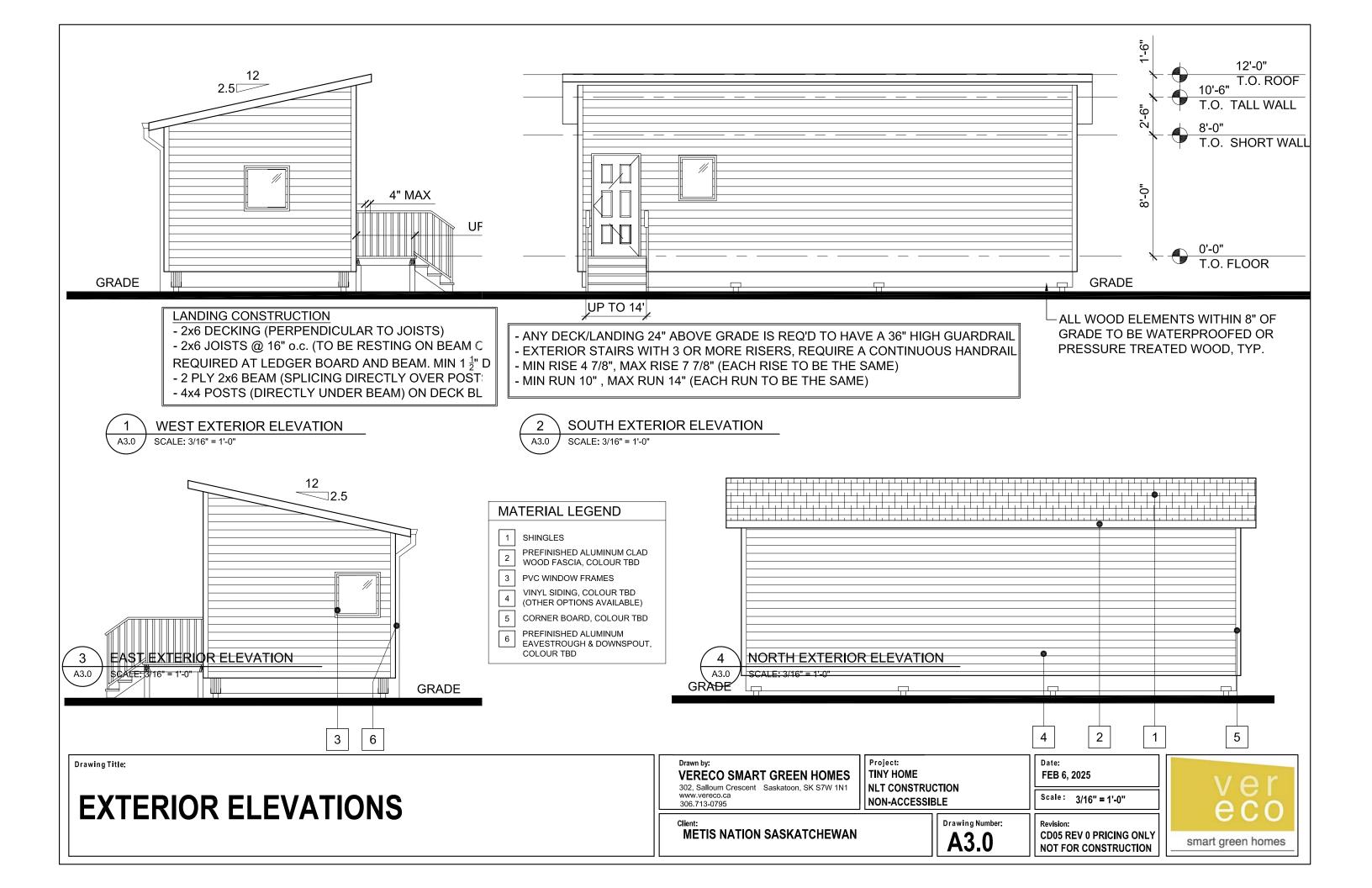
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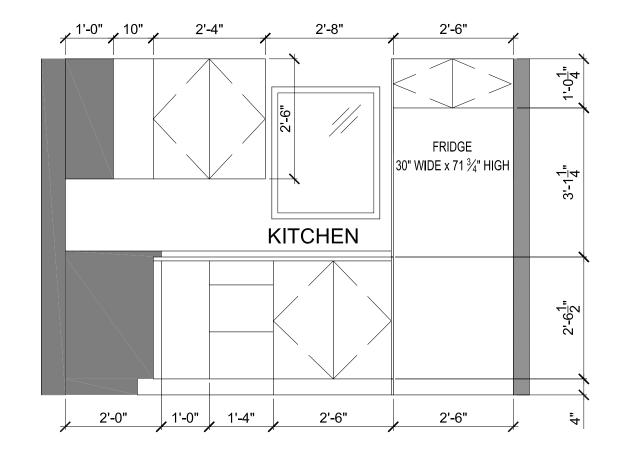
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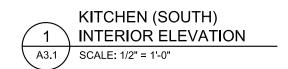
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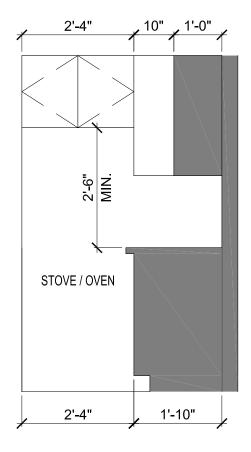
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Drawing Number A2.4











Drawing Title:

INTERIOR KITCHEN ELEVATIONS

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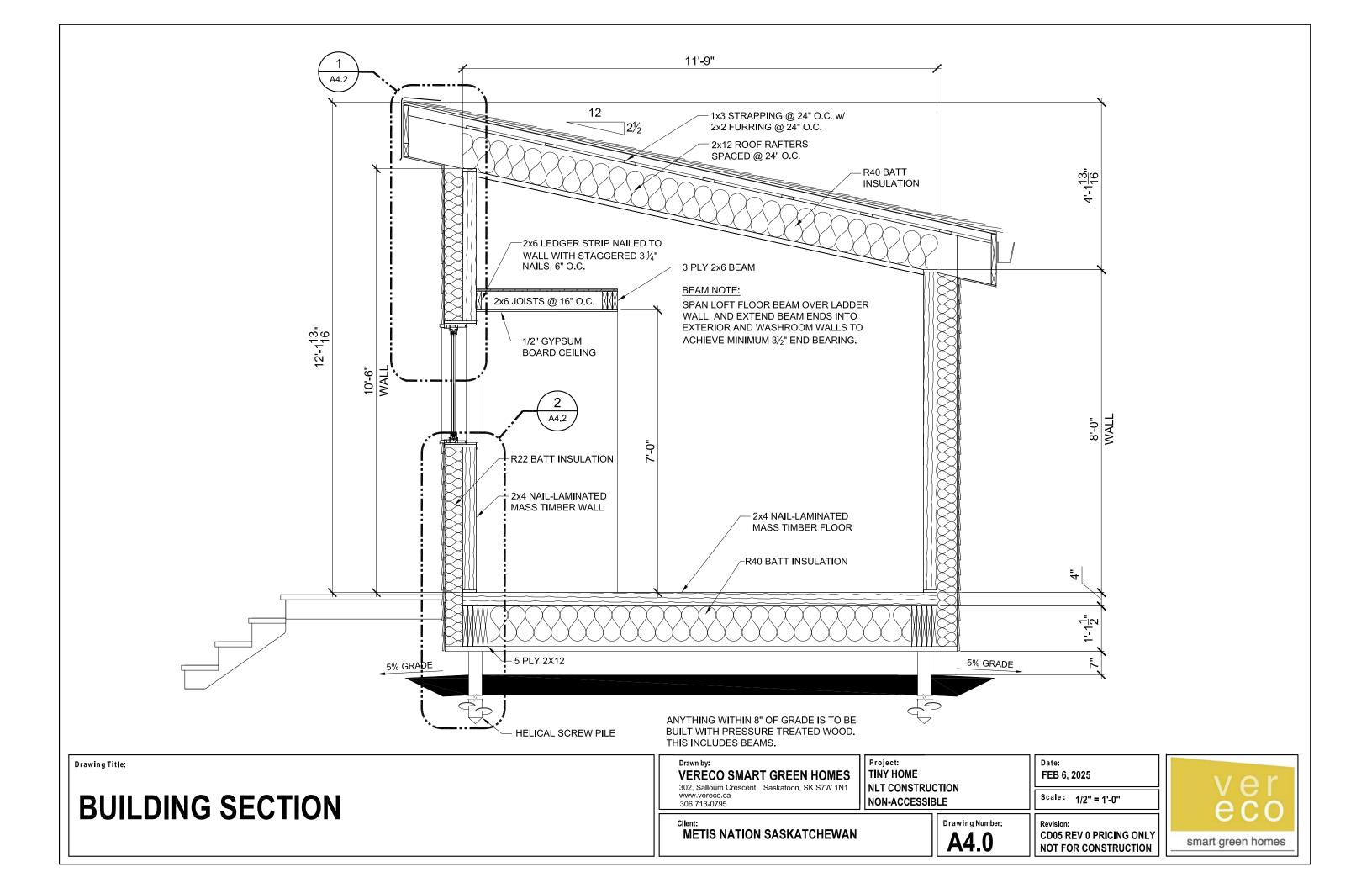
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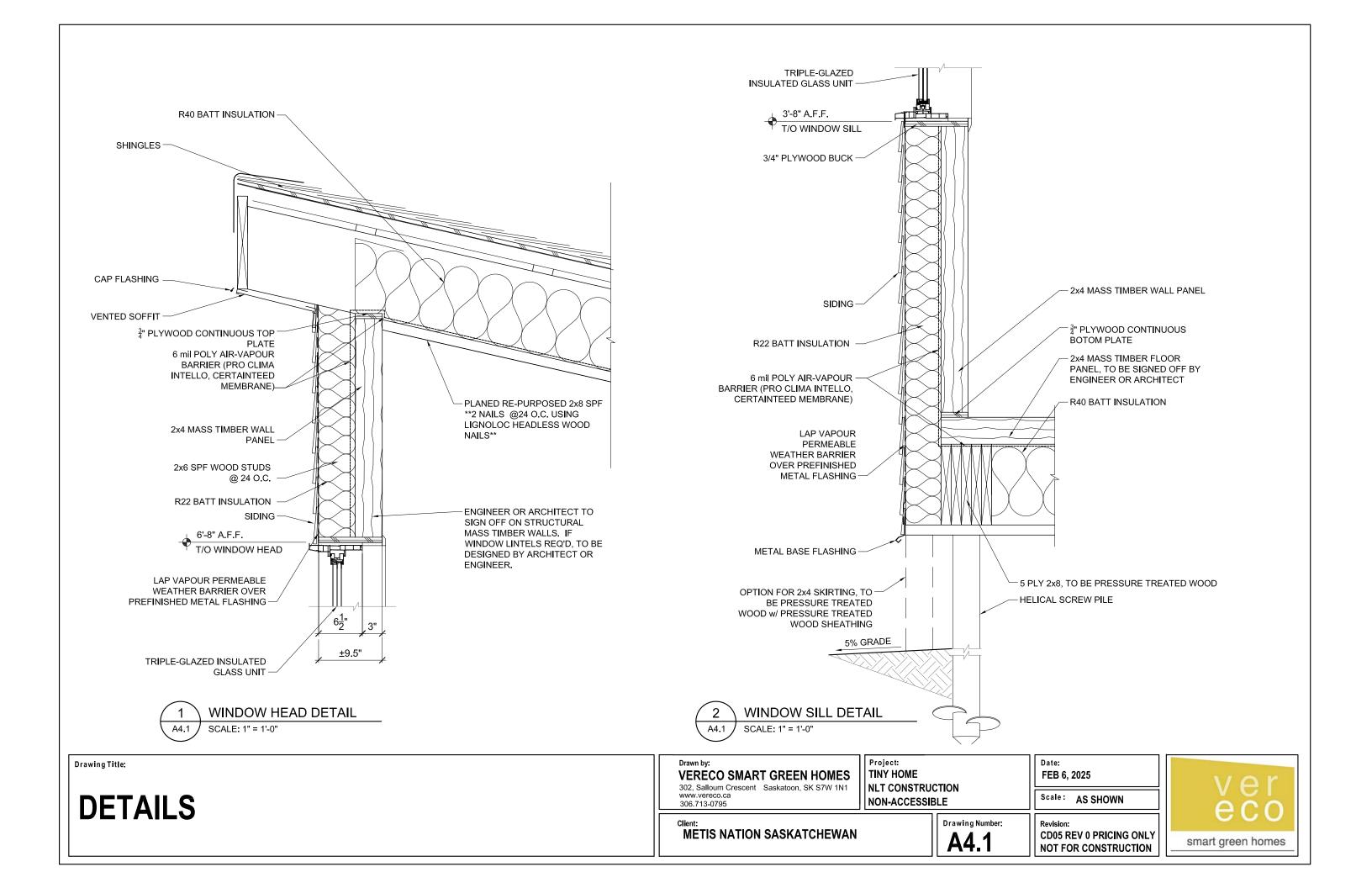
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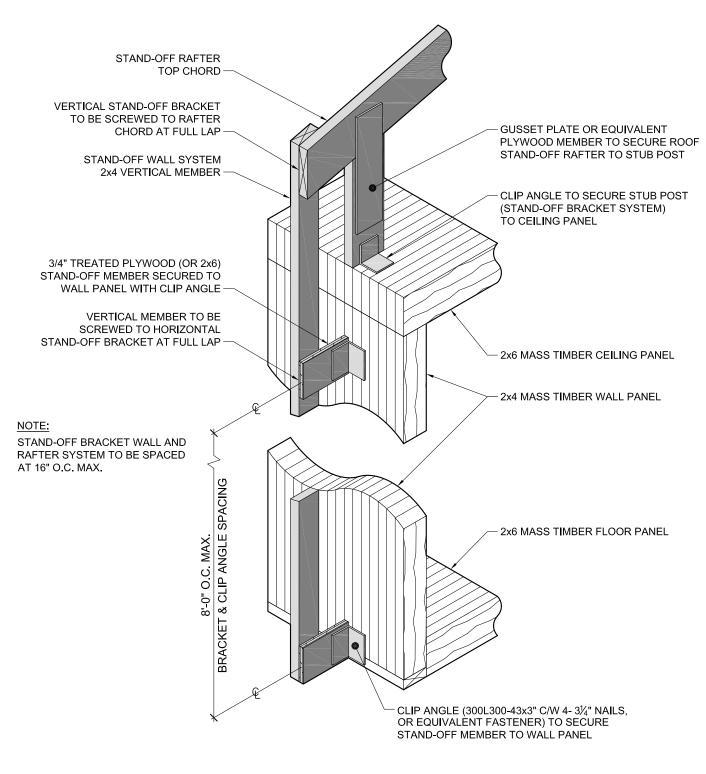
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Drawing Title:

STAND-OFF SYSTEM DETAIL

VERECO SMART GREEN HOMES

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