

VERECO SMART GREEN HOMES TINY HOME CONSTRUCTION DRAWINGS

SASKATCHEWAN

DRAWING LIST:

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Drawing Title:

COVER SHEET

awn by: EDECO SMADT CDEEN

VERECO SMART GREEN HOMES

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

Client:

METIS NATION SASKATCHEWAN

Project.

TINY HOME STANDARD CONSTRUCTION

Date:

FEB 6, 2025

Scale: N.T.S.

Revision:



- 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.

ABBREVIATIONS:

2/6 ABOVE FINISHED FLOOR AFF CABINET CAB CENTRELINE COMPLETE WITH C/W CONTINUOUS CONT DOMESTIC WATER HEATER DWH ELECTRICAL PANEL **ELEC EQUAL** EQ **ENGINEERED** ENG FIRE RESISTANCE RATING FRR FLOOR DRAIN FD FOUNDATION **FNDN** INSIDE /S INSULATION INSUL NATIONAL BUILDING CODE OF CANADA NBCC NOT TO SCALE NTS ON CENTRE O.C. ORIENTED STRAND BOARD OSB OVERHEAD O/H REFRIGERATOR REF REINFORCEMENT **REINF** RISER R **TONGUE & GROOVE** T&G TOP OF T.O. TYPICAL TYP WASHER DRYER W/D

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: 366 ft² (34.0 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 owner and or contractor. Elevations of actual finish grade may vary due to site conditions. After construction begins:

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.
- 3. 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 PÓLY AIR-VAPOUR BARRIER OR PRO CLIMA INTELLO, CERTAINTEED MEMBRANE* - 1/2" GYPSUM BOARD

- 1/2 GTF SOW BOARD

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

2x4 INTERIOR PARTITION ASSEMBLY:

- 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.

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

Project:

TINY HOME
STANDARD CONSTRUCTION

Drawing Number:

A0.1

Date:

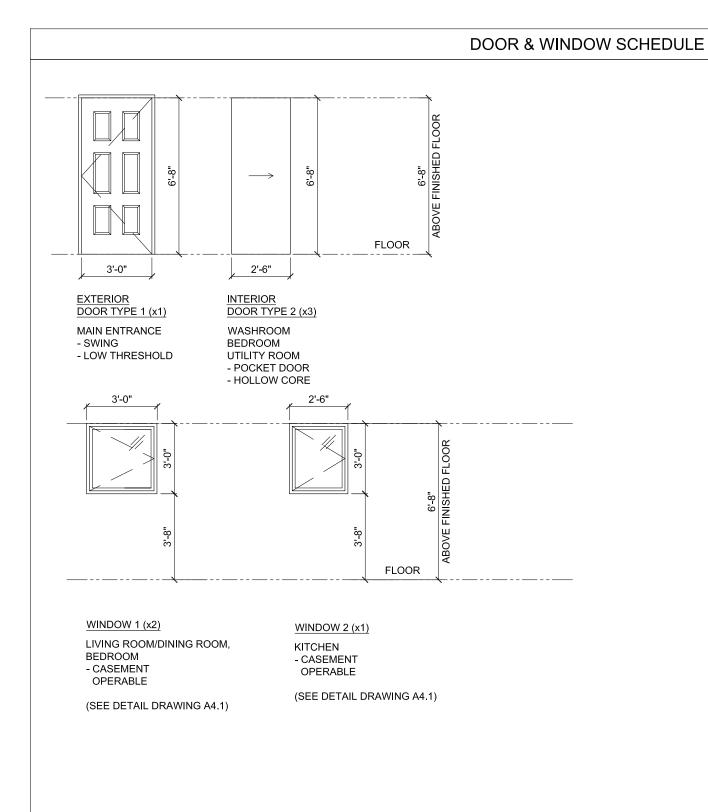
FEB 6, 2025

Scale: N.T.S.

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Revision:





- 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

NRCan=NR5695-34612577-ES5

NAFS: CW-PG70

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

WPRTP=730Pa(15psf) CAI=FX

DOORS:

- 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 VENTILATION
- 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

Drawn by:

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Drawing Number: Rev





EXTERIOR CONCEPT RENDERING (MAY VARY FROM OTHER DRAWINGS)

Drawing Title:

CONCEPT RENDERINGS

VERECO SMART GREEN HOMES

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TINY HOME STANDARD CONSTRUCTION

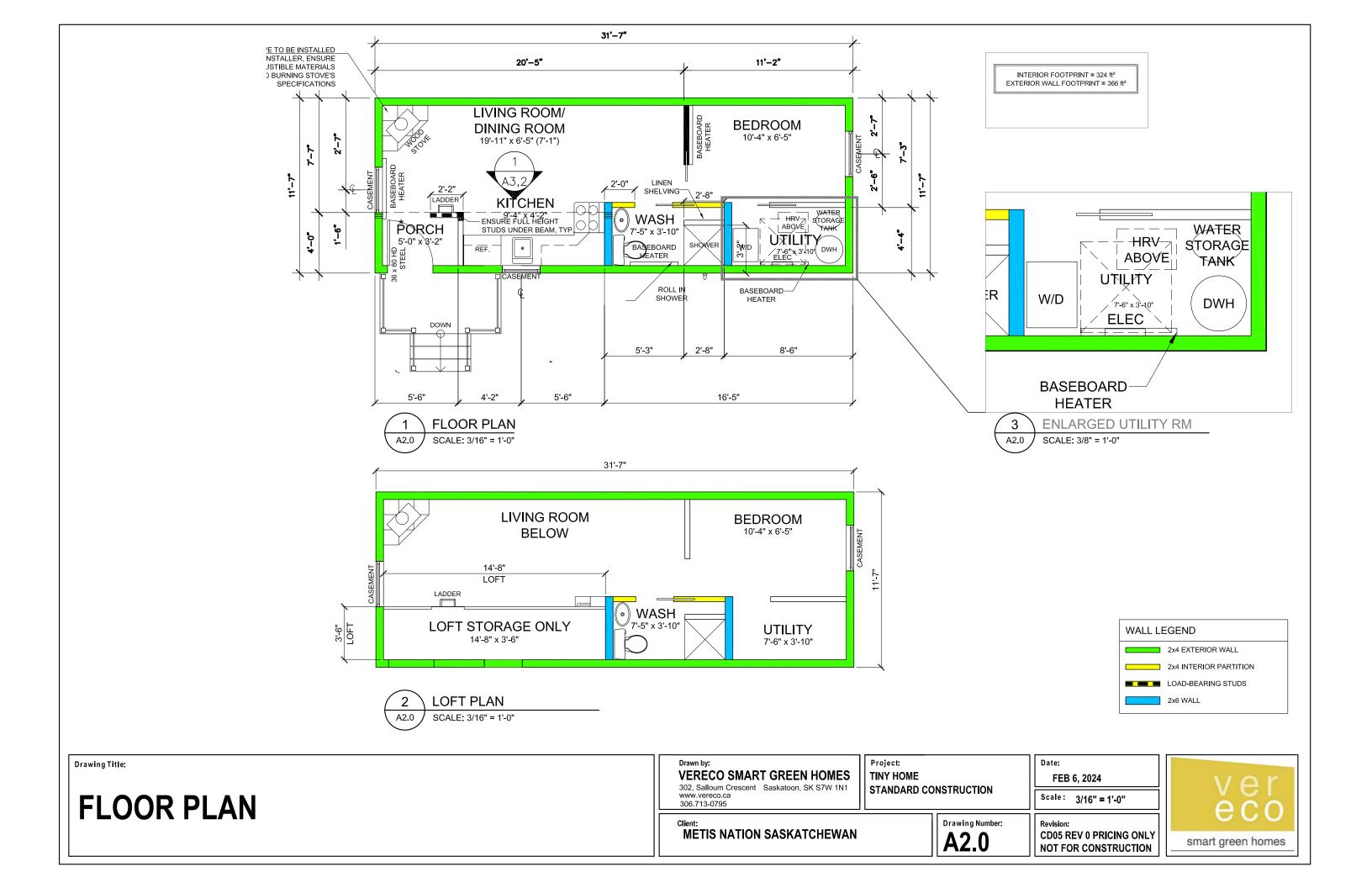
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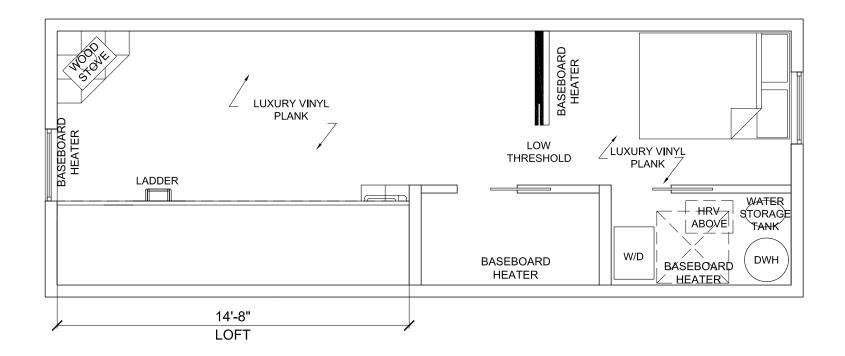
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METIS NATION SASKATCHEWAN Drawing Number:

Project

A0.3







• CONTRACTOR TO SPEC LOW FLOW FIXTURES

SPECIFICATIONS

ITEM	PRODUCT	SPECIFICATIONS	NOTES			
APPLIANCES						
STACKABLE WASHER/ DRYER	SUPPLIER: GE APPLIANCES MODEL: GUD57EEMTDG	CAPACITY: 5.9 FT ³ FUEL TYPE: ELECTRIC WEIGHT: 111KG DIMENSIONS: 26.5IN X 30.8IN X 75.8IN	EQUIVALENT SPECIFICATION TO BE APPROVED BY OWNER			
REFRIGERATOR	SUPPLIER: DANBY MODEL: DFF101B1BSLDB	CAPACITY: 10.1 FT ³ FUEL TYPE: ELECTRIC WEIGHT: 59KG DIMENSIONS: 23.4IN X 26.1IN X 59.5IN	EQUIVALENT SPECIFICATION TO BE APPROVED BY OWNER			
OVEN	SUPPLIER: DANBY MODEL: DERM240BSSC	CAPACITY: 2.5 FT³ FUEL TYPE: ELECTRIC WEIGHT: 51.04KG DIMENSIONS: 23.4IN X 25.8IN X 41.5IN	EQUIVALENT SPECIFICATION TO BE APPROVED BY OWNER			

FINISHES PLAN

Drawn by:
VERECO SMART GREEN HOMES
302 Salloum Crescent Saskatoon SK S7/W 1M1

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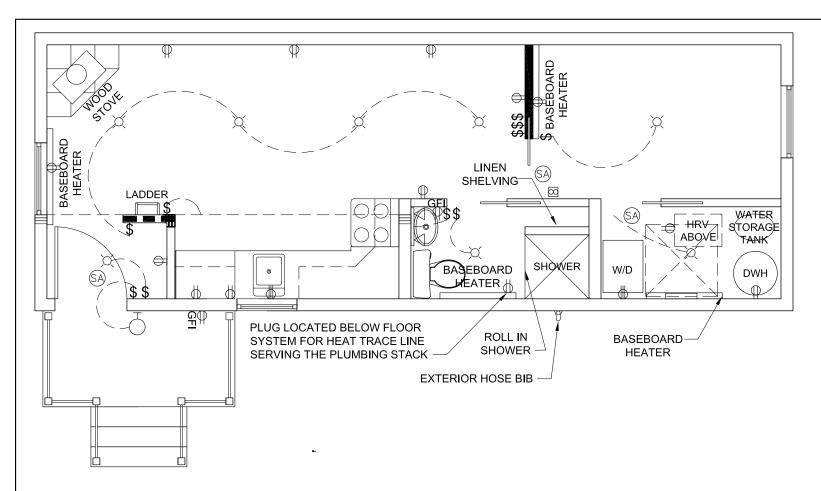
Project:
TINY HOME
STANDARD CONSTRUCTION

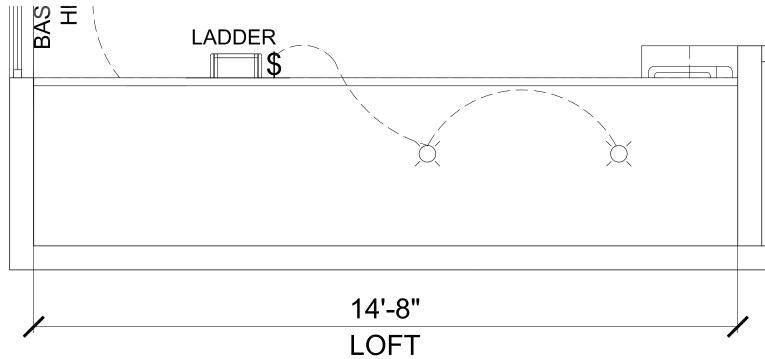
Date: FEB 6, 2024 Scale: 1/14" = 1'-0"

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Drawing Number:





VERECO SOLAR READY NOTES:

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

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	\bowtie
220 RECEPTACLE	€
GROUND FAULT INTERRUPTER	Б ⇒
FORCED AIR (SUPPLY)	FA
RETURN AIR GRILLE	_A A
THERMOSTAT	<u></u>

SPECIFICATIONS						
ITEM	PRODUCT	SPECIFICATIONS	NOTES			
MECHANICAL						
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 WST	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 DIMENSIONS: 33 in x 18.5 in x 23 in	EQUIVALENT SPECIFICATION TO BE APPROVED BY OWNER. NOTE THAT PREFERRED OPTION IS TO BE CSA APPROVED FOR HEATING CAPACITY BASED ON PROVIDED ENERGY REPORT			
ELECTRICAL						
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			

MECHANICAL AND ELECTRICAL EQUIPMENT SIZING IS THE RESPONSIBILITY OF THE CONTRACTOR. I.E. HRV, BASEBOARD HEATER SIZING, WATER HEATER SIZING, AND ELECTRICAL SERVICE SIZING ALL TO BE CONFIRMED FOR PERMIT BY THE MECHANICAL AND ELECTRICAL SUBCONTRACTORS

Drawing Title:

MECHANICAL / ELECTRICAL PLAN

VERECO SMART GREEN HOMES

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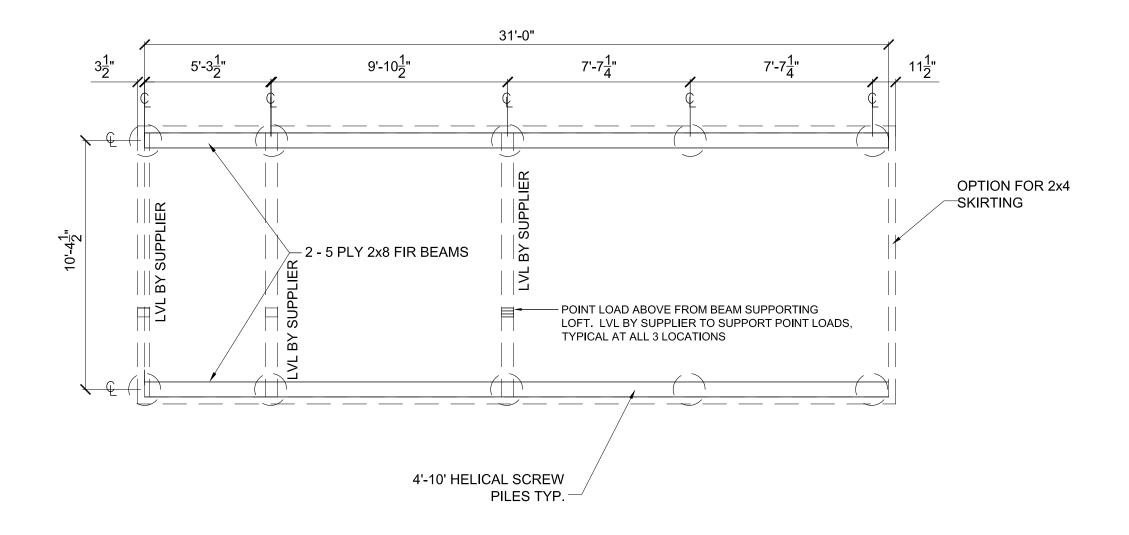
A2.2

FEB 6, 2024

Date:

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





- PILE LOADING FACTOR = 75kN (TO BE DESIGNED BY AN ENGINEER OR ARCHITECT, STAMP REQ'D)
- SCREW PILE VENDOR TO SUPPLY SCREW PILE DESIGN AND COMMITMENT LETTER

Date:

FOUNDATION / CRAWLSPACE PLAN

Drawing Title:

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TINY HOME STANDARD CONSTRUCTION

Project

FEB 6, 2024 Scale: 1/4" = 1'-0"

CD05 REV 0 PRICING ONLY

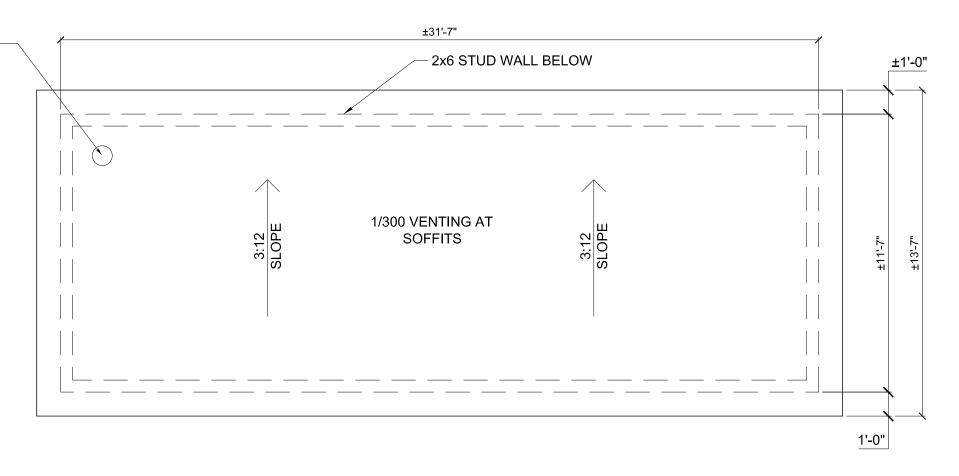
NOT FOR CONSTRUCTION

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METIS NATION SASKATCHEWAN

Drawing Number: **A2.3**

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

VERECO SMART GREEN HOMES

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TINY HOME

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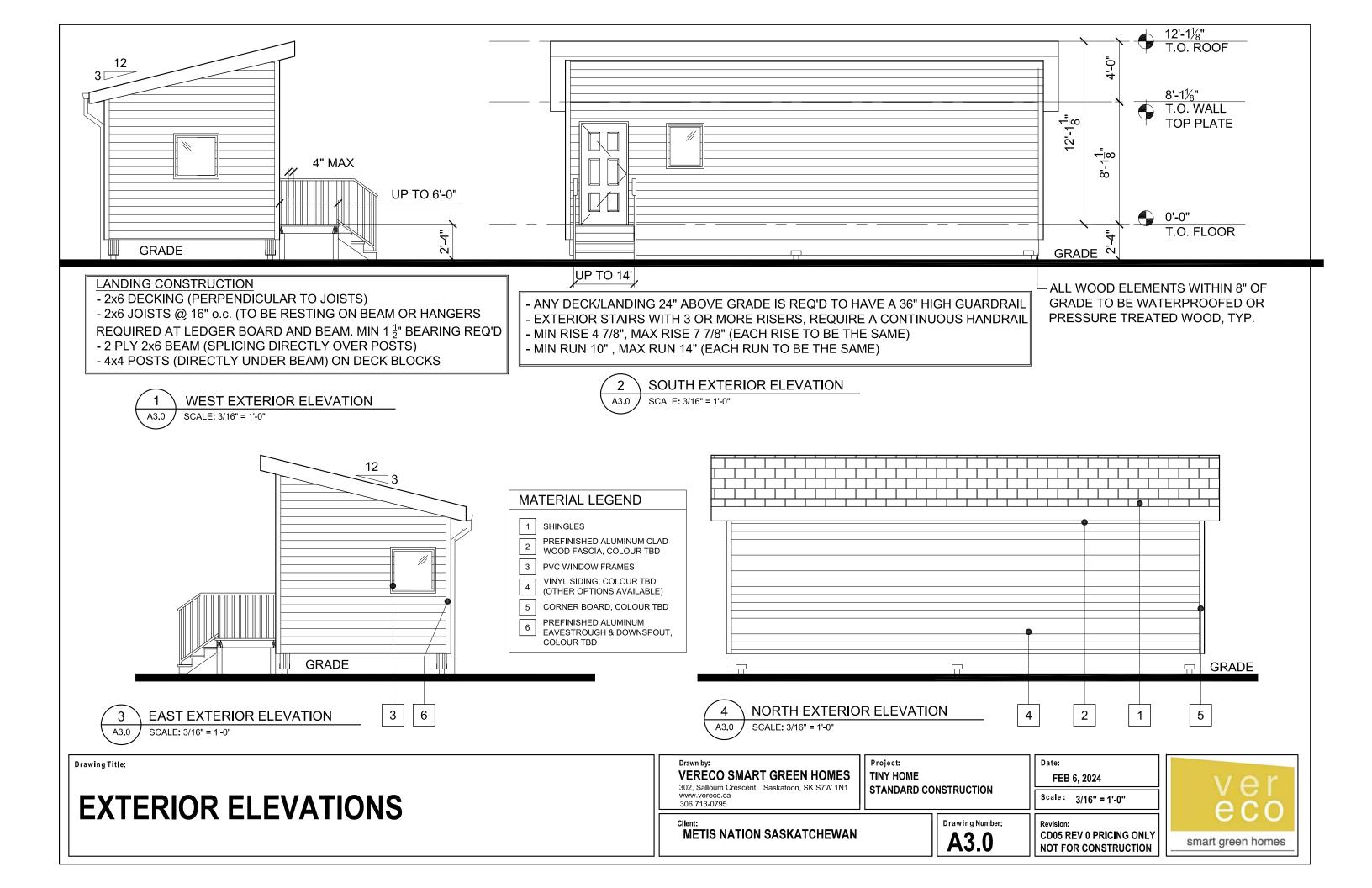
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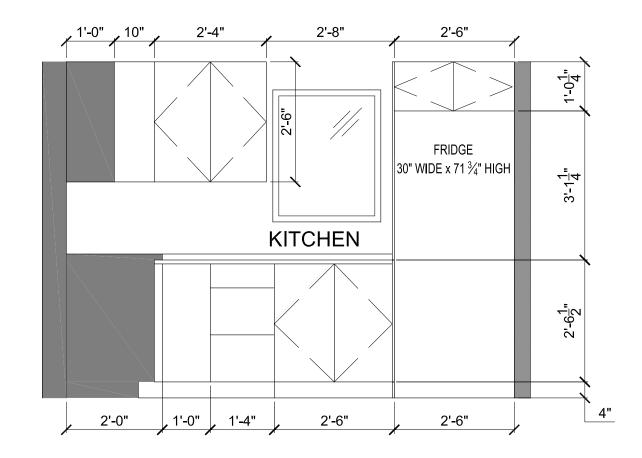
FEB 6, 2024

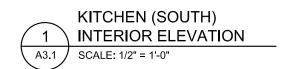
Scale: 1/4" = 1'-0"

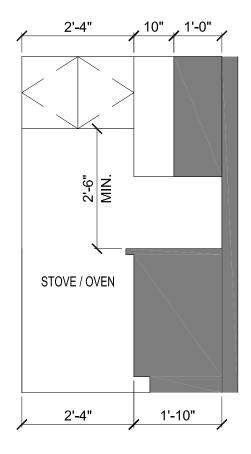
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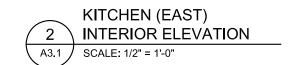












Drawing Title:

INTERIOR KITCHEN ELEVATIONS

VERECO SMART GREEN HOMES

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METIS NATION SASKATCHEWAN

Project TINY HOME

STANDARD CONSTRUCTION

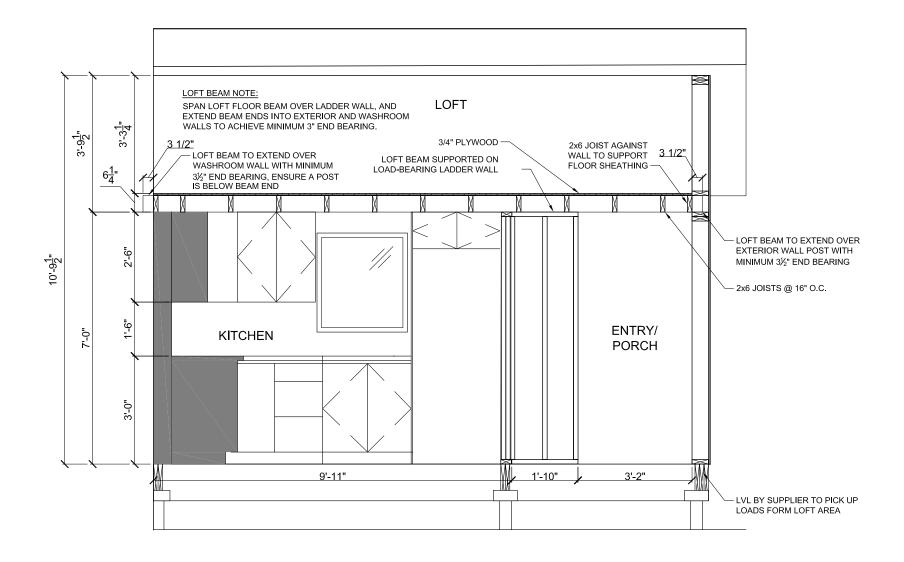
Date:

FEB 6, 2024

Scale: 1/2" = 1'-0"

Drawing Number: **A3.1**







LOFT ELEVATIONS

Drawing Title:

VERECO SMART GREEN HOMES

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METIS NATION SASKATCHEWAN

TINY HOME STANDARD CONSTRUCTION

A3.2

Project

FEB 6, 2024

Date:

Scale: 3/16" = 1'-0"

Drawing Number:



