

Scott Dryla
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The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

Qualification Information
Required unless design is exempt under 2.17.5.1 of the building code

Signature
Scott Dryla 21141 BCIN

Registration Information
Required unless design is exempt under 2.17.4.1 of the building code
Master-Plan 30578 BCIN

Revisions:
Date Description
Oct. 01/24 - Released for HVAC, truss and floor design
Oct. 01/24 - add openings
Jan. 16/25 - add Powder rm. - add openings - adjust closets
May 26/25 - adjust deck beams and piers - adjust North deck - foundation wall pinned to bedrock
Mar. 23/26 - extend South deck to East & West - add deck stairs - adjust North deck cantilever - add new Deck Construction, DC-2

Note:
Contractor is to verify all dimensions and conditions on the project and report any discrepancies to Master-Plan before proceeding with work. Drawings are not to be scaled.

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Project North:

Legend:
DIMENSIONING NOTES:
ALL DIMENSIONS FOR NEW CONSTRUCTION ARE FROM FACE OF STUD TO FACE OF STUD OR TO FRAMING MEMBERS.

Project Title:
Lennie Cottage

PART OF LOT 23, CONCESSION 5, TOWNSHIP OF GALWATONSHIRE AND HARVEY

Sheet Title:
Foundation Plan

Drawn by:
SC051 Dryla
Checked by:
Date: Sept. 23, 2024
Sheet #
Scale: 1/4" = 1'-0"
Project #

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

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

Project #

CODE	DEFINITION
G-1	STEEL COLUMN TO U/S OF PLYWOOD 20,000 lbs. UNFACTORED 26,500 lbs. FACTORED ON 6'0" x 5'0" x 2' DEEP POURED CONCRETE FOOTING PAD C/W 15M REBAR @ 16" E/M MIN. 3' COVERAGE
G-2	STEEL COLUMN TO U/S OF PLYWOOD 14,500 lbs. UNFACTORED 18,500 lbs. FACTORED ON 5'4" x 4'4" x 1'9" DEEP POURED CONCRETE FOOTING PAD C/W 15M REBAR @ 16" E/M MIN. 3' COVERAGE
G-3	STEEL COLUMN 8,500 lbs. UNFACTORED 12,000 lbs. FACTORED ON 3'6" x 3'6" x 1'6" DEEP POURED CONCRETE FOOTING PAD C/W 15M REBAR @ 16" E/M MIN. 3' COVERAGE
G-4	STEEL COLUMN 4,000 lbs. UNFACTORED 5,500 lbs. FACTORED

CODE	DEFINITION
P-1	8x8 PRESSURE TREATED POST C/W SIMPSON STRONG TIE ABAB8Z BASE CONNECTORS ON 1'0" DIA. CONG. PIER C/W 2' DIA. BIGFOOT FOOTING PAD OR EQUAL
P-2	8x8 PRESSURE TREATED POST C/W SIMPSON STRONG TIE ABAB8Z BASE CONNECTORS ON 1'2" DIA. CONG. PIER C/W 2' DIA. BIGFOOT FOOTING PAD OR EQUAL
P-3	8x8 PRESSURE TREATED POST C/W SIMPSON STRONG TIE ABAB8Z BASE CONNECTORS ON 1'2" DIA. CONG. PIER C/W 3'6" DIA. BIGFOOT FOOTING PAD OR EQUAL
P-4	8x8 PRESSURE TREATED POST C/W SIMPSON STRONG TIE ABAB8Z BASE CONNECTORS ON 1'2" DIA. CONG. PIER C/W 2' DIA. BIGFOOT FOOTING PAD OR EQUAL
P-5	6x6 PRESSURE TREATED POST, WHERE REQUIRED TO SUIT GRADE SIMPSON STRONG TIE ABAB6Z BASE CONNECTORS ON 1'2" DIA. CONG. PIER
P-6	6x6 PRESSURE TREATED POST, WHERE REQUIRED TO SUIT GRADE SIMPSON STRONG TIE ABAB6Z BASE CONNECTORS ON 1'0" DIA. CONG. PIER C/W 2' DIA. BIGFOOT FOOTING PAD OR EQUAL

FOUNDATION AND FLOOR NOTES

- DL-1 DRAINAGE LAYER #1
DRAINAGE LAYER SHALL BE INSTALLED ADJACENT TO THE EXTERIOR SURFACE OF A INSULATED FOUNDATION WALL
- DP-1 DRAINAGE PIPE #1
4" PERFORATED DRAINAGE PIPE C/W FILTER FABRIC AND 6" CLEAN GRANULAR COVERAGE
- FDN-1 FOUNDATION WALL #1
EXTERIOR DRAINAGE LAYER AND DAMPROOFING BELOW FINISHED GRADE, PARING ABOVE GRADE.
6" REINFORCED POURED CONCRETE (20 MPa) CORE ICF FOUNDATION WALL ON A 22" WIDE X T' DEEP CONTINUOUS POURED CONCRETE STRIP FOOTING C/W 2-10M RE-BAR ON UNDISTURBED SOIL.
- FDN-2 FOUNDATION BEARING WALL #1
2x4 STUDS @ 16" O/C C/W DOUBLE TOP PLATE AND SILL PLATE ON PLATE C/W GASKET SEAL & ANCHOR BOLTS @ 6" O/C BEARING ON A 3" 1/2" x 8" HIGH CONCRETE BLOCK CURB ON A 16" x 7" DEEP CONTINUOUS POURED CONCRETE STRIP FOOTING C/W 2-10M RE-BAR ON UNDISTURBED SOIL.
- SP-1 SILL PLATE #1
2x12 SILL PLATE ON GASKET SEAL C/W 1/2" DIA. x 8" LONG ANCHOR BOLTS @ 6'-0" O/C EMBEDDED MIN. 6" INTO CONCRETE
- BS-1 BASEMENT SLAB #1
3" (min) POURED CONCRETE FLOOR SLAB OVER 5 MIL (MIN) POLY VAPOR BARRIER ON 5" (min) WELL COMPACTED 3/4" CLEAR STONE BASE SLOPED TO FLOOR DRAIN.
- GS-1 GARAGE SLAB #1
MINIMUM 4" 32 MPA CONCRETE SLAB ON 5" COURSE CLEAN GRANULAR FILL SLOPED TO GARAGE DOORS MIN. 2% CONG. TO HAVE 5-8% AIR ENTRAINMENT. CONCRETE SLAB TO BE REINFORCED WITH 6"x6"x6" WIRE GRID AT MID DEPTH OF SLAB.
- FC-1 FLOOR CONSTRUCTION #1
3/4" T&G PLYWOOD SUB-FLOOR NAILED & BRIDGED TO 2x12 FLOOR JOIST, SPACING & BRIDGING AS PER PLANS
- FC-2 FLOOR CONSTRUCTION #2
3/4" T&G PLYWOOD SUB-FLOOR NAILED & BRIDGED TO 1" 8" 15" ENGINEERED FLOOR JOIST, SPACING AS PER SUPPLIER'S LAYOUT
- FC-3 FLOOR CONSTRUCTION #3, PRESSURE TREATED
3/4" T&G PLYWOOD SUB-FLOOR NAILED & BRIDGED TO 2x12 P.T. FLOOR JOIST, SPACING & BRIDGING AS PER PLANS
- DC-1 DECK CONSTRUCTION #1
2x12 P.T. DECKING SCREWED TO 2x8 PRESSURE TREATED JOIST, REFER TO PLANS FOR SPACING & BRIDGING
- EXN-2 EXTERIOR MALL #3
PREFINISHED SIDING C/W 1x4 STRAPPING @ 16" O/C, IF REQUIRED HOUSEWRAP AIR BARRIER 1" 1/2" GSB OR 1/2" PLYWOOD WALL SHEATHING 2x8 STUDS @ 16" O/C C/W DOUBLE TOP PLATE & SINGLE BOTTOM PLATE R31 INSULATION 6 mil VAPOR BARRIER 1/2" GYPSUM (OPTIONAL)

DC-2 DECK CONSTRUCTION #2
2x8 P.T. DECKING SCREWED TO 2x10 PRESSURE TREATED JOIST, REFER TO PLANS FOR SPACING & BRIDGING

REFER TO ICFMA PRESCRIPTIVE ICF DESIGN FOR PART 4 STRUCTURES IN CANADA FOR DETAILS & INSTALLATION REQUIREMENTS TABLE B.1.2 - BELOW GRADE WALL DISTRIBUTED REINFORCEMENT FOR SEISMIC ZONE CLASSIFICATION (SAO.2) LESS THAN OR EQUAL TO 0.25 AND HOURLY WIND PRESSURE, q 1/50 LESS THAN OR EQUAL TO 1.05KPa, FOR ICF WALLS WITH 8" TIE SPACING.

Crawl Space Foundation Wall

6" REINFORCED 20 MPa POURED CONCRETE CORE FOUNDATION WALL ON A 22" WIDE X T' DEEP CONTINUOUS POURED CONCRETE STRIP FOOTING. MAX. BACKFILL HEIGHT OF 6'-0" AND MAX. WALL HEIGHT OF 6'-0" Backfill Equivalent Fluid Density assumed to be 480 kg/m³ (30 pcf) Horizontal reinforcement in flat insulating concrete form foundation walls shall

a) consist of
i) one 10M bar placed not more than 300 mm (12") from the top of the wall, and
ii) 10M bars at 800 mm (32") o.c. and
b) be located
i) in the inside half of the wall section and
ii) with a minimum cover of 40 mm (1 1/2") from the inside face of the concrete
Vertical reinforcement in flat insulating concrete form foundation walls shall be

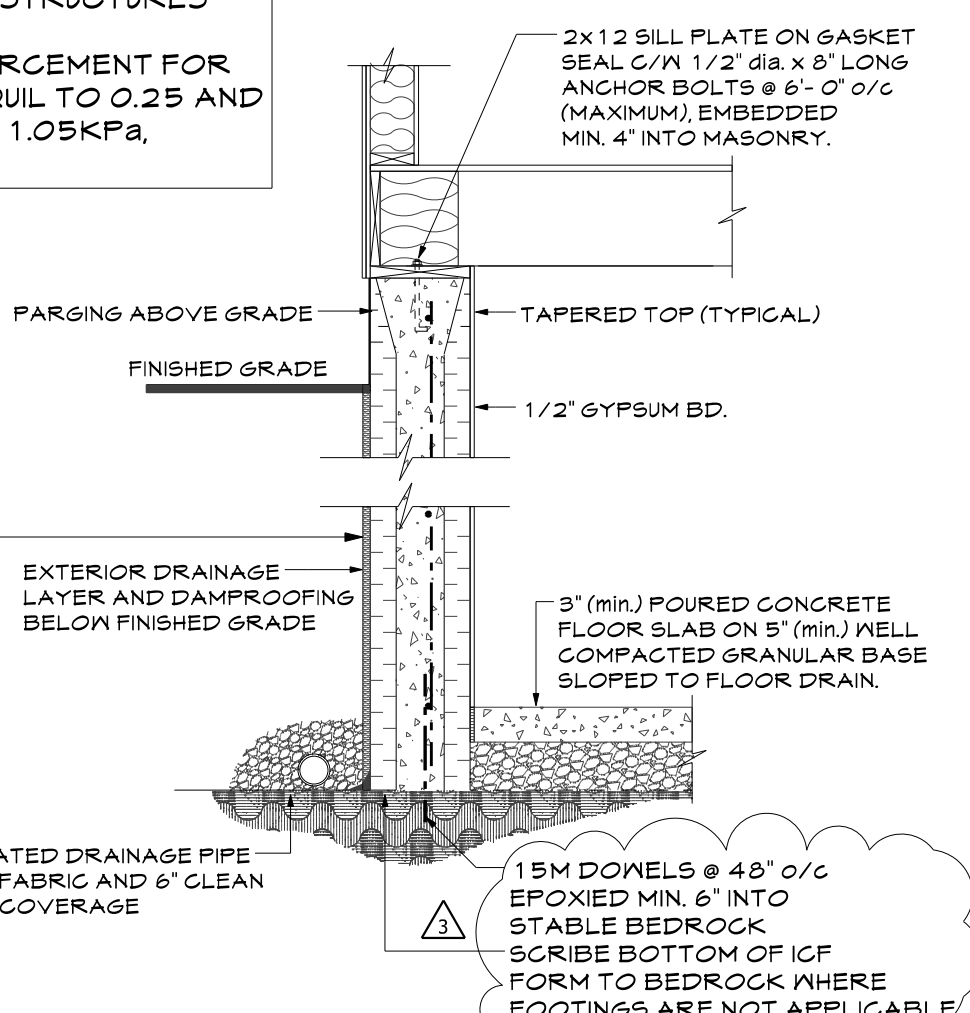
a) 8'-0" Maximum supported basement wall height with a max. height of finished ground above finished basement floor, 1.53 m (6'-0") to 1.54 m (6'-0") (24") o.c.
b) located in the inside half of the wall section with a minimum cover of 40mm (1 1/2") from the inside face of the concrete wall, and
c) where interrupted by wall openings, placed not more than 600 mm (24") from each side of the openings

Garage Foundation Wall

6" REINFORCED 20 MPa POURED CONCRETE CORE FOUNDATION WALL ON A 22" WIDE X T' DEEP CONTINUOUS POURED CONCRETE STRIP FOOTING. MAX. BACKFILL HEIGHT OF 6'-0" AND MAX. WALL HEIGHT OF 6'-0" Backfill Equivalent Fluid Density assumed to be 480 kg/m³ (30 pcf) Horizontal reinforcement in flat insulating concrete form foundation walls shall

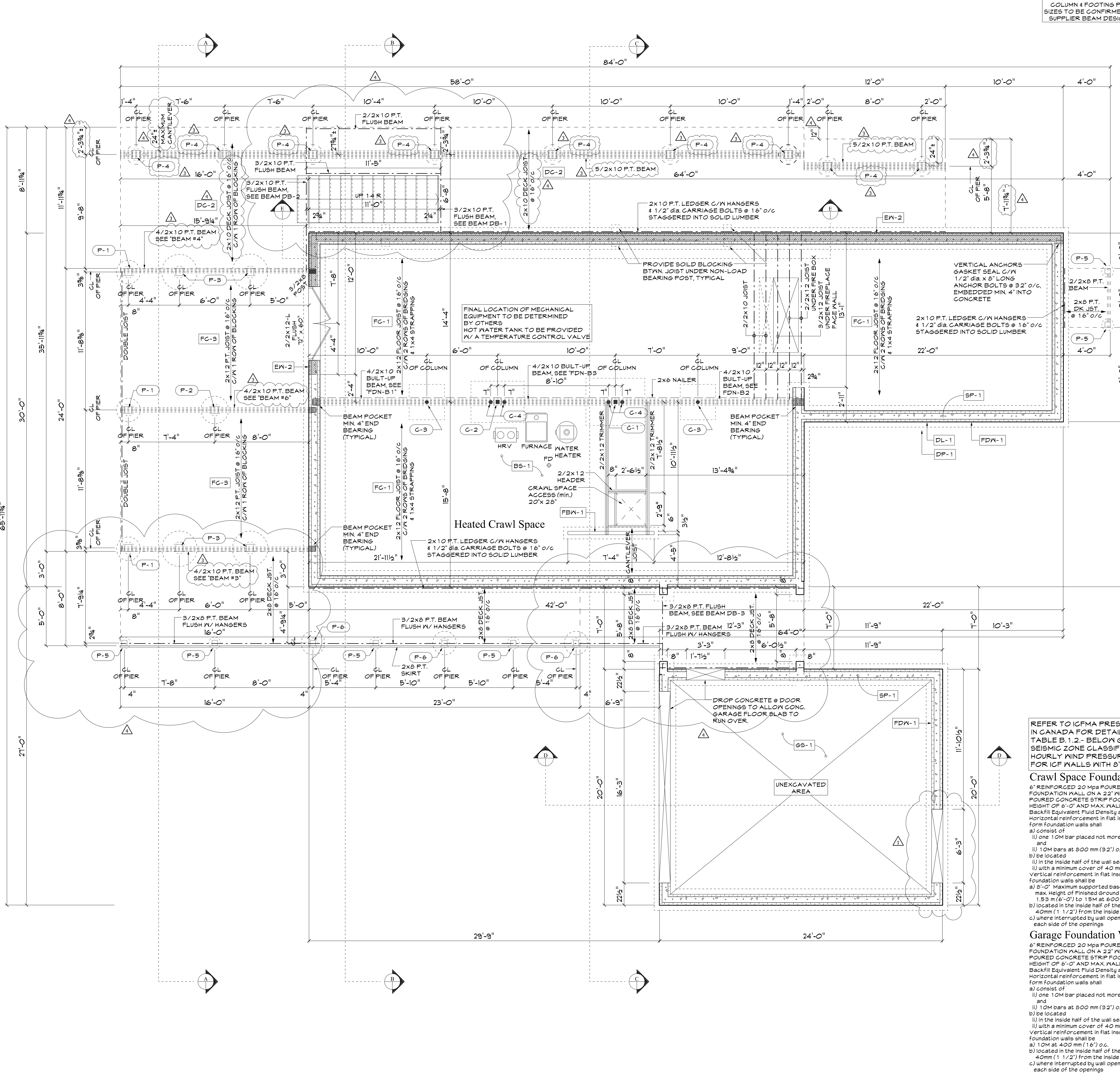
a) consist of
i) one 10M bar placed not more than 300 mm (12") from the top of the wall, and
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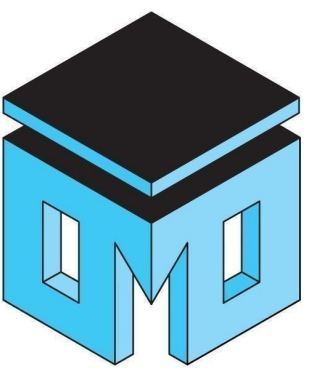
a) 10M at 400 mm (16") o.c.
b) located in the inside half of the wall section with a minimum cover of 40mm (1 1/2") from the inside face of the concrete wall, and
c) where interrupted by wall openings, placed not more than 600 mm (24") from each side of the openings



Foundation Wall Detail

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





MASTER PLAN
ARCHITECTURAL DRAWINGS

Scott Dryla
332 Fothergill Isle
Ennisville, Ontario, K0L 1T0
Cell: 905.352.8417
email: mplans@gmail.com

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Scott Dryla 21141
NAME BCIN

SIGNATURE

REGISTRATION INFORMATION

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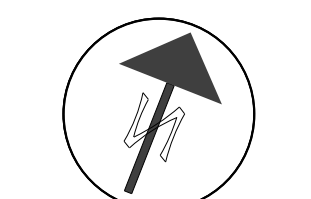
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Project Title:

Lennie Cottage

PART OF LOT 23, CONCESSION 5, TOWNSHIP OF GALWAY-CANADIAN AND HARVEY

Sheet Title:

First Floor

Plan

Drawn by: Scott Dryla

Checked by:

Date: Sept. 23, 2024

Sheet #

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

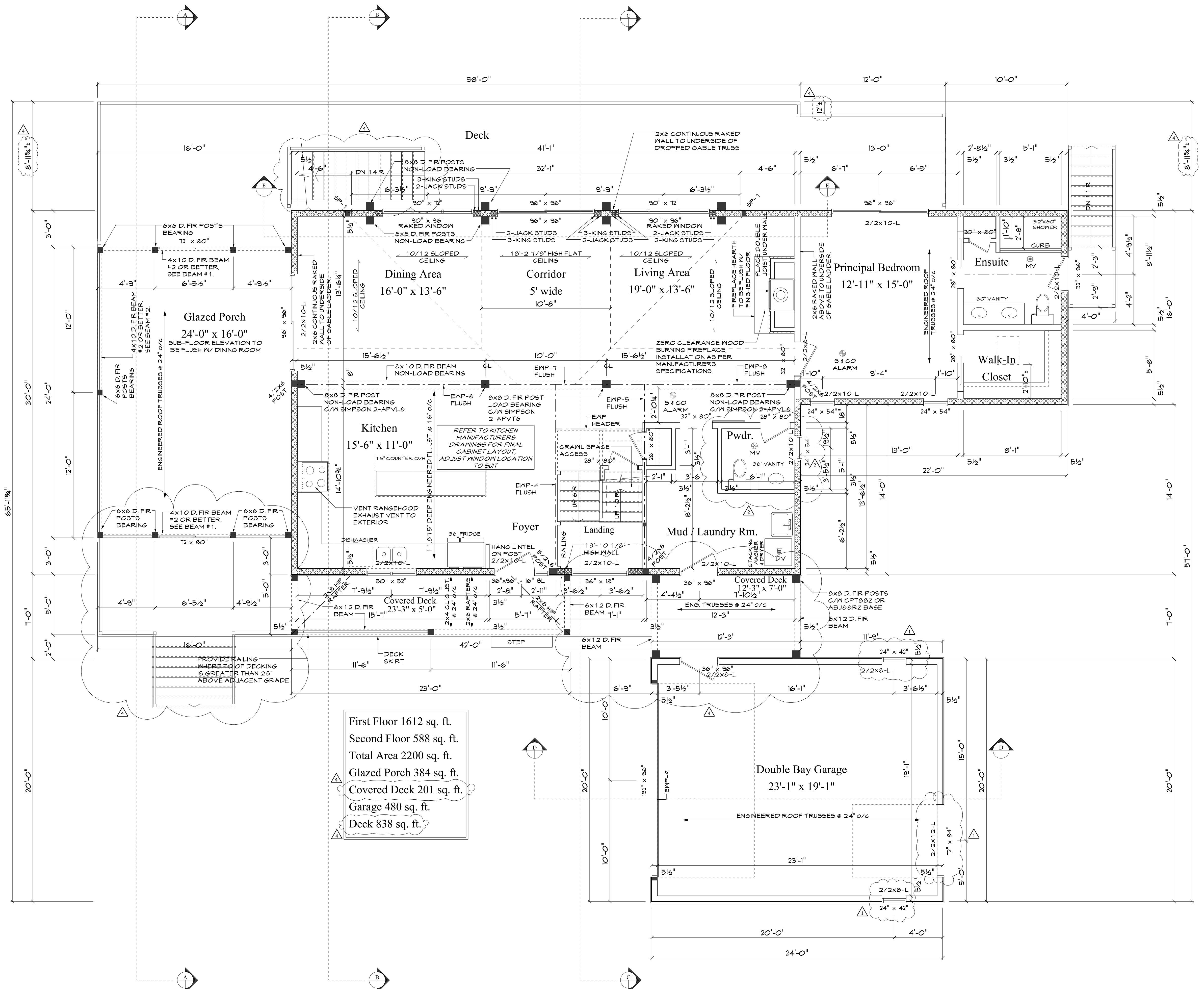
Project #

A2

ALL ENGINEERED WOOD PRODUCTS SPECIFIED ON DRAWINGS TO BE CONFIRMED BY SUPPLIER, SUPPLIERS SIZES TO SUPERSEDE ARCHITECTURAL DRAWINGS

ENGINEERED WOOD BEAM SCHEDULE

CODE	DESCRIPTION
EWP-1	3 piece(s) 1 3/4" x 14" 2.0E Microllam® LVL
EWP-2	2 piece(s) 1 3/4" x 14" 2.0E Microllam® LVL
EWP-3	3 piece(s) 1 3/4" x 11 7/8" 2.0E Microllam® LVL
EWP-4	4 piece(s) 1 3/4" x 11 7/8" 2.0E Microllam® LVL
EWP-5	3 piece(s) 1 3/4" x 11 7/8" 2.0E Microllam® LVL
EWP-6	3 piece(s) 1 3/4" x 14" 2.0E Microllam® LVL
EWP-7	3 piece(s) 1 3/4" x 11 7/8" 2.0E Microllam® LVL
EWP-8	3 piece(s) 1 3/4" x 14" 2.0E Microllam® LVL
EWP-9	2 piece(s) 1 3/4" x 16" 2.0E Microllam® LVL



First Floor 1612 sq. ft.
Second Floor 588 sq. ft.
Total Area 2200 sq. ft.
Glazed Porch 384 sq. ft.
Covered Deck 201 sq. ft.
Garage 480 sq. ft.
Deck 838 sq. ft.

ALL NOTED D. FIR POSTS AND BEAMS ARE ASSUMED TO BE ROUGH FINISHED

Notes :

* PROVIDE STUD POSTS & SOLID BLOCKING UNDER ALL GIRDER TRUSS POINT LOADS TO FOUNDATION OF ADEQUATE SUPPORTS.

* WINDOW & DOOR SIZES INDICATED ARE SUGGESTED ONLY. LINTEL SIZES SHOWN REFLECT OPENING SIZES INDICATED ONLY.

- EWP ENGINEERED WOOD PRODUCT AS SPECIFIED BY SUPPLIER
- SMOKE ALARM SMOKE ALARMS AND CO DETECTORS ARE TO BE LOCATED ON EACH FLOOR INCLUDING BASEMENT AND WITHIN EACH SLEEPING UNIT AND INTERCONNECTED IN ACCORDANCE WITH 9.10.1.9. OF THE ONTARIO BUILDING CODE 2012 VISUAL SIGNALING SHALL BE PROVIDED INTERCONNECTED TO THE SMOKE ALARMS REQUIRED THROUGHOUT THE DWELLING
- MV MECHANICAL VENT VENTED TO EXTERIOR
- DV DRYER EXHAUST VENT VENTED TO EXTERIOR
- FD FLOOR DRAIN
- POINT LOAD FROM ABOVE
- SP-1 PLYS OF STUD POST TO EQUAL WIDTH OF SUPPORTED MEMBER