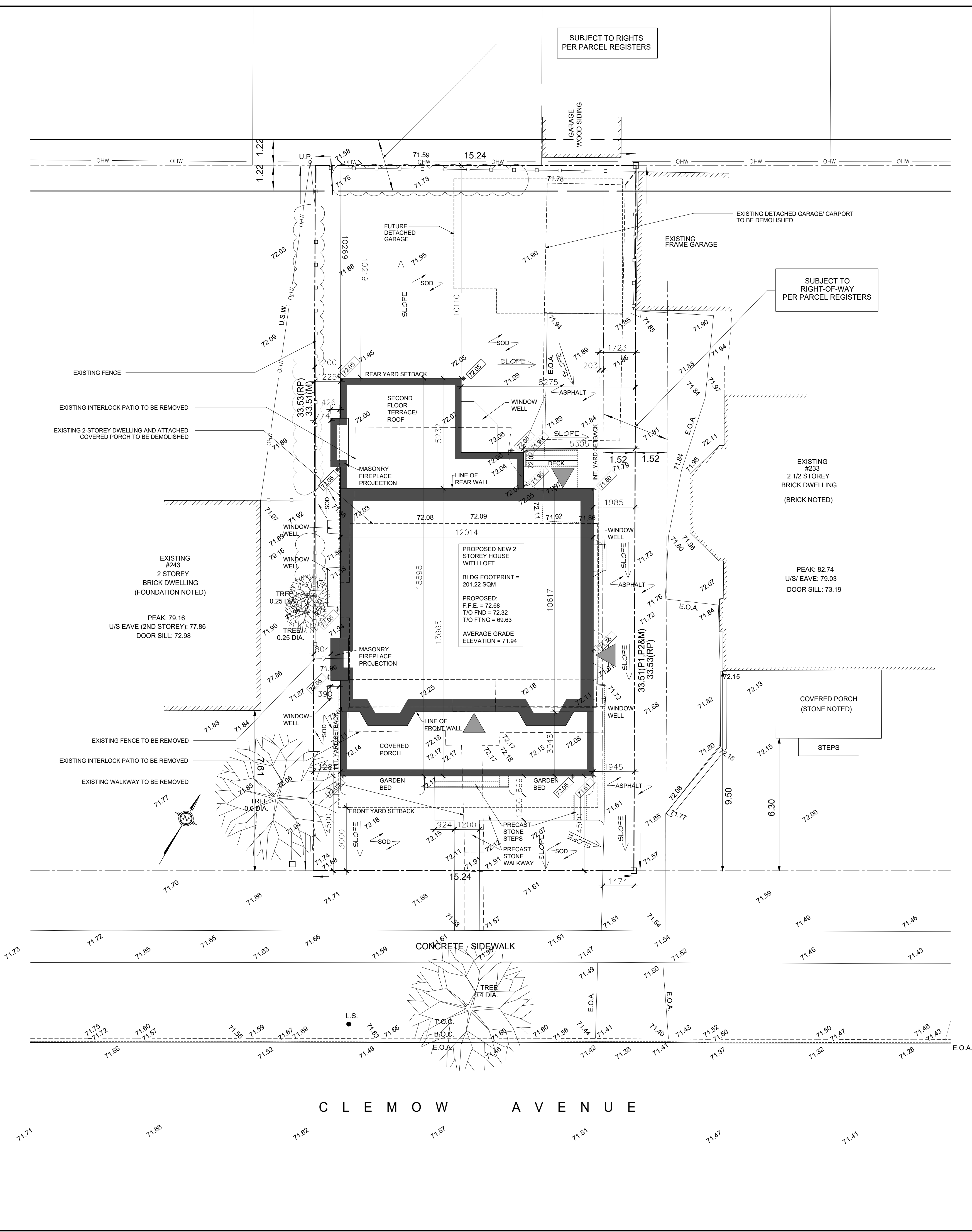


# PRUD'HOMME-FOSTER RESIDENCE

## 237 CLEWOW AVE., OTTAWA, ONT.



### GENERAL NOTES:

**GENERAL NOTES:**  
 ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE NOT LESS THAN THE STANDARDS SET FORTH IN THE ONTARIO BUILDING CODE, AND ANY LOCAL OR OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK IN WHOLE OR IN PART.  
 THE CONTRACTOR AND/OR SUB-TRADES SHALL CHECK AND VERIFY ALL DIMENSIONS AND INSTALLATIONS PRIOR TO CONSTRUCTION OF THAT PORTION OF THE WORK. DISCREPANCIES, ERRORS, OMISSIONS OR ANY CONCERNS SHALL BE REPORTED TO AND VERIFIED BY THE DESIGNER PRIOR TO CONSTRUCTION.  
 ALL REFERENCES TO "O.B.C." OR "TO CODE" SHALL REFER TO COMPLIANCE WITH THE ONTARIO BUILDING CODE 2024.

**EXCAVATION AND BACKFILL:**  
 EXCAVATION FOR FOUNDATIONS SHALL EXTEND TO SOUND ROCK OR UNDISTURBED SOIL. DETERMINE BEARING CAPACITY PRIOR TO PLACEMENT OF FOOTINGS AND FOUNDATIONS.  
 CONTRACTOR IS TO PROVIDE A SOILS INSPECTION REPORT TO BUILDING INSPECTOR AND DESIGNER TO CONFIRM BEARING CAPACITIES AND COMPACTION.

**FOOTINGS AND SLABS:**  
 1. SLEEVE ALL FOOTINGS WHERE DRAIN TILE OR ANY OTHER SERVICES PENETRATE FOOTING.  
 2. CONCRETE FOOTINGS TO REST ON UNDISTURBED SOIL OR BEDROCK. CAPABLE OF SUSTAINING A MINIMUM LOAD OF 100 KPa. MINIMUM COVER FOR FROST PROTECTION TO BE 6"-6" BELOW GRADE.  
 3. CONCRETE STRENGTH FOR FOOTINGS TO BE 20 MPa AT 28 DAYS.  
 4. CONCRETE STRENGTH FOR EXTERIOR SLABS TO BE 32 MPa AT 28 DAYS W/ 6% AIR ENTRAINMENT.  
 5. PROVIDE REINFORCING BARS IN ALL FOOTINGS AS PER FOUNDATION PLAN. ENSURE TO TIE TOGETHER LENGTHS. DOHSEL FOOTINGS INTO FOUNDATION WALL WITH DOHSELS AS PER DETAILS.  
 6. INTERIOR SLABS TO BE 4" MIN. THICKNESS W/ 6% POLY. VAPOUR BARRIER UNDER BASEMENT SLAB TYPICAL.  
 7. CONCRETE FOR INTERIOR SLAB TO BE 20 MPa AT 28 DAYS.  
 8. PROVIDE 2" MEDIUM DENSITY RIGID INSULATION & 6% POLY. VAPOUR BARRIER UNDER BASEMENT SLAB TYPICAL.  
 9. SPARE  
 10. CONCRETE SLAB FLATNESS TOLERANCES SHALL BE 1/4" OVER 10'-0" MAXIMUM.

### CONCRETE FOUNDATION WALLS/UPSTANDS:

1. CORE CONCRETE FOR HYDRO, WATER AND GAS SERVICES (VENTS, SUMP PUMP DISCHARGE OR ANY OTHER SERVICES) LEAVING OR ENTERING THE BUILDING THROUGH THE FOUNDATION. ENSURE ALL OPENINGS ARE WATERPROOFED.  
 2. FORM ALL APPROPRIATE FOUNDATION WALL CHECKS, BEAM POCKETS AND WINDOW OPENINGS AS SHOWN ON DRAWINGS.  
 3. ALL EXPOSED CONCRETE TO BE PARGED TO 6" MIN. BELOW FINAL GRADE.  
 4. CONCRETE FOR FOUNDATION WALLS TO BE 20 MPa AT 28 DAYS.  
 5. PROVIDE STEEL REINFORCEMENT BARS IN ALL CONCRETE FOUNDATION WALLS PER DETAILS OF FOUNDATION PLAN. ENSURE TO TIE TOGETHER LENGTHS AND HOOK CORNERS WITH BENT, CONTINUOUS BARS.  
 6. DOHSEL FOUNDATION WALL INTO FOOTING WITH DOHSELS AS PER DETAILS.  
 7. TOP OF ALL FOUNDATION WALLS TO BE 6" MIN. ABOVE FINAL GRADE.  
 8. SAW CUT SLAB AT +/-12'-0" O.C. IN OPPOSITE DIRECTION. COORDINATE LOCATIONS ON SITE.  
 9. SEAL EXTERIOR JOINTS BETWEEN FOOTINGS, FLOOR SLABS AND FOUNDATION WALLS/UPSTANDS WITH SEALING COMPOUND.

### WOOD FRAMING cont'd:

11. REFER TO PRE-ENGINEERED ROOF TRUSS AND FLOOR JOISTS LAYOUTS FOR SIZES, SPACING, ALL BRIDGING, CROSS BRIDGING AND BRACING.  
 12. CO-ORDINATE GIRDER TRUSS LOCATIONS ON SITE, AND LOCATE BEARING POSTS ACCORDINGLY.  
 13. PROVIDE MIN. 2" END BEARING SUPPORT FOR CEILING JOISTS, ROOF JOISTS AND RAFTERS.  
 14. PROVIDE GALVANIZED METAL JOISTS HANGERS FOR SUPPORT OF JOIST FRAMING INTO SIDES OF WOOD BEAMS, TRIMMERS AND HEADERS WHERE REQ'D. ALSO PROVIDE GALVANIZED METAL TRUSS HANGERS WHERE TRUSSES ARE HUNG OFF OF GIRDER TRUSSES. REFER TO PRE-ENGINEERED LAYOUTS.  
 15. ALL CONCEALED SPACES TO BE FIRE STOPPED BETWEEN STOREYS AT STAIRS, CEILING, ROOFS AND AT STAIRS.  
 16. WOOD STUD INTERIOR PARTITIONS TO BE 2"x4" OR 2"x6" (S.P.F.) WOOD STUDS @ 16" O.C. W/ 2"x4" OR 2"x6" BOTTOM AND DOUBLE TOP PLATES. DOUBLE STUDS AND DOUBLE TOP PLATES TRIPLE STUDS IN CORNERS IN BEARING PARTITIONS. REFER TO PLANS/DETAILS.

### FLASHING/PREFIN. METAL:

1. FLASHING IS REQUIRED UNDER ALL JOINTED SILLS AND HEADS OF WINDOWS AND DOORS IN EXTERIOR WALLS IF DISTANCE BELOW EAVE IS MORE THAN 1/4 THE ROOF OVERHANG DIMENSION.  
 2. FLASHING IS REQUIRED AT INTERSECTIONS OF ROOFS AND WALLS AND AT ALL ROOF VALLEYS. EXTEND SELF-ADHESIVE ICE & WATER FLASHING MIN. 24" UP WALL SHEATHING AT ALL WALL/ROOF INTERSECTIONS AND LAP OVER ROOF MEMBRANE UP TURN.  
 3. PROVIDE GRACE ICE & WATER SHIELD AT ALL EAVES. TO EXTEND TO 12" MIN. INSIDE THE INTERIOR FACE OF WALL FRAMING BELOW (MEASURED HORIZONTALLY). ALSO PROVIDE GRACE ICE & WATER SHIELD IN ALL ROOF VALLEYS.  
 4. PREFINISHED METAL FLASHING USED ON FASCIA, TRIM AND SILL/DROP FLASHINGS TO BE 26 GAUGE MIN. BUTTING SEGMENTS SHALL BE INSTALLED WITH SLIP JOINTS. SLIP FASTENERS AND ALL STANDARD METHODS TO MINIMIZE ICE CANNING.

### ROOF CONSTRUCTION cont'd:

3. EPDM MEMBRANE TO EXTEND A MIN. 12" UP WALL SHEATHING AT ALL WALL/ROOF INTERSECTIONS AND IS TO BE LAPPED BY WALL FLASHING. EPDM TO EXTEND UP AND OVER ALL PARAPETS.  
 4. WHERE APPLICABLE, HIP AND VALLEY RAFTERS TO BE 2" DEEPER THAN COMMON RAFTERS.  
 5. ROOF SHEATHING MIN. 1/2" FIR PLYWOOD C/W H-CLIPS.  
 6. ROOF EDGE SUPPORT TO BE MIN. 2"x4" BLOCKING.  
 7. WHERE APPLICABLE, TRUSS BRIDGING TO BE PROVIDED, 1"x4" CONTINUOUS @ 7'-0" O.C. FOR ROOF SLOPES 4 IN 12 OR GREATER.  
 8. PROVIDE 2"x4" WALL TIES ACROSS JOINTS OR BOTTOM TRUSS CHORD, MIN. 4'-0" O.C. FOR ROOF SLOPES 4 IN 12 OR GREATER.  
 9. REFER TO CONSTRUCTION ASSEMBLIES FOR ALL ROOF CONSTRUCTIONS.

### CABINETS / INT. TRIM:

KITCHENS, BATHROOM VANITIES, LOCATIONS ARE SHOWN IN GENERAL DESIGN TERMS. DETAILED DESIGN, FINISHES, FIXTURE SELECTION & EXACT LOCATION OF PLUGS AND TASK LIGHTING REQUIREMENTS ARE TO BE DESIGNED, SELECTED OR DETERMINED (T.B.D.) BY INTERIOR DESIGNER AND CABINET MAKER. PROVIDE SHOP DRAWINGS FOR REVIEW. INTERIOR WOOD TRIM 4 DOORS TO BE SPECIFIED BY INTERIOR DESIGNER.  
 ALL INTERIOR TRIM WORK AND MATERIALS TO BE CONFIRMED BY INTERIOR DESIGNER PRIOR TO PURCHASING AND INSTALLING.

### WASHROOM / SHOWERS:

PROVIDE MOLD RESISTANT DRYWALL IN ALL WASHROOMS, LAUNDRY ROOM AND AREAS WHERE MOISTURE MAY BE AN ISSUE. USE "GREEN BOARD" OR CEMENT BOARD BEHIND SHOWER AND BATH ENCLOSURES.  
 PROVIDE SOLID WOOD BLOCKING IN ALL WASHROOM WALLS AS PER O.B.C. 9.5.2.3. REINFORCING SHALL BE INSTALLED TO PERMIT THE FUTURE INSTALLATION OF GRAB BARS ON A WALL ADJACENT TO A WATER CLOSET, A SHOWER OR A BATHTUB.  
**CLOSETS:**  
 PROVIDE SOLID WOOD BLOCKING IN WALL TO SUPPORT ALL CLOSET SHELVES AND ROD HANGERS. TYPICALLY PROVIDE 2" STACKED 2X6 HORZ BLOCKING BETWEEN STUDS FROM 5'-0" HGT TO 6'-0" HGT. CONFIRM WITH INTERIOR DESIGNER.

### THERMAL INSULATION & VAPOUR BARRIERS:

1. THE VAPOUR BARRIER IN THE BASEMENT FLOOR SLAB SYSTEM IS PROVIDED BY 6% POLY.  
 2. ROOF IS VENTED AND INSULATED WITH MINIMUM R-40 BATT INSULATION AND POLY V.B. SEE CONSTRUCTION NOTES AND DETAILS.  
 3. CLOSED CELL SPRAY FOAM INSULATION USED IN ROOF SYSTEMS AND AT FLOOR ASSEMBLY TO EXTERIOR WALL INTERSECTIONS.  
 4. CLEARANCE BETWEEN CHIMNEYS OR GAS VENTS AND THE SURROUNDING CONSTRUCTION INCLUDING PENETRATING THROUGH AN INSULATED ASSEMBLY SHALL BE SEALED WITH NONCOMBUSTIBLE MATERIAL (MINERAL WOOL INSULATION, FIRE STOP CAULKING) TO PREVENT AIR, HEAT LEAKAGE.  
 5. INSULATION INSTALLED IN WALLS SHALL BE PROTECTED BY TYPE "II" VAPOUR BARRIER. IS ALSO TO BE INSTALLED SO THAT ALL JOINTS OCCUR AT FRAMING MEMBERS, FURRING OR BLOCKING, AND LAPPED AT LEAST 4" AT ALL JOINTS. ALL JOINTS TO BE SEALED WITH DYTHERIC CAULKING. WALL VAPOUR BARRIER IS ALSO TO BE SEALED TO ROOF V.B. SO AS TO ENSURE CONTINUITY OF THE BUILDING ENVELOPE'S VAPOUR BARRIER.  
 6. ALL HOLES THROUGH VAPOUR BARRIERS INSTALLED IN CEILING, WALLS OR FLOORS, FOR THE INSTALLATION OF ELECTRICAL WIRING, ELECTRICAL BOXES, PIPING OR DUCTWORK SHALL BE EFFECTIVELY SEALED WITH CAULKING, TUCK TAPE OR OTHER APPROVED MATERIAL TO MAINTAIN THE INTEGRITY OF THE VAPOUR BARRIER OVER THE ENTIRE BUILDING ENVELOPE.

### WOOD FRAMING:

1. ALL FRAMING LUMBER TO BE No 2 SPF (UNLESS OTHERWISE NOTED) AND TO COMPLY TO O.B.C. STANDARDS.  
 2. SIZE OF STRUCTURAL MEMBERS AS INDICATED ON FLOOR PLANS.  
 3. ALL DIMENSIONS ARE MEASURED FROM THE FACE OF STUD TO FACE OF STUD, OR FACE OF STUD TO FACE OF CONCRETE UNLESS OTHERWISE NOTED.  
 4. ALL EXTERIOR LOAD BEARING LINTELS ARE TO BE SUPPORTED ON 2-2x6 JACK POSTS SISTERED TO 2x6 KING POST, UNLESS OTHERWISE NOTED ON THE PLANS. IN ALL CASES LINTEL SIZES AS NOTED ON PLANS SHALL COMPLY TO O.B.C. REQS.  
 5. ALL BEAMS TO HAVE A MIN. END BEARING OF 3 1/2" TYPICAL.  
 6. PROVIDE HORZ. BLOCKING BETWEEN EACH STUD @ 8'-11" O.C. IF WALL HEIGHT IS 9'-10" OR HIGHER.  
 7. ALL LVL LINTELS TO BE 2900Fb-2.0E OR BETTER.  
 8. ALL WOOD ELEMENTS THAT ARE IN CONTACT WITH CONCRETE ARE TO BE PRESSURE TREATED.  
 9. MIN. SILL PLATE TO BE 2x4.  
 10. PROVIDE CLOSED CELL FOAM GASKET TYPICAL UNDER ALL BOTTOM PLATES AND SILL PLATES THAT COME IN CONTACT W/ CONCRETE.

### LIMITING DISTANCE CALCULATIONS:

**SOUTH ELEVATION (FRONT):**  
 PER OBC TABLE 9.10.15.4  
 EXPOSING FACE: 1,343 SQ.FT (106.2 SQ.M)  
 OPENINGS: 230 SQ.FT (21.4 SQ.M)  
 LIMITING DISTANCE: 49.21 FT (15.0 M) Minimum  
 CALCULATED OPENING = 20.1% OF 74% ALLOWABLE.  
 \*\* WITH INTERPOLATION OF TABLE VALUES - THIS PERCENTAGE OF OPENINGS IS PERMITTED.

**WEST ELEVATION (LEFT SIDE):**  
 PER OBC TABLE 9.10.15.4  
 EXPOSING FACE: 1,244 SQ.FT (115.6 SQ.M)  
 OPENINGS: 73 SQ.FT (6.8 SQ.M)  
 LIMITING DISTANCE: 4.0 FT (1.23 M) Minimum  
 CALCULATED OPENING = 5.9% OF 7% ALLOWABLE.  
 \*\* WITH INTERPOLATION OF TABLE VALUES - THIS PERCENTAGE OF OPENINGS IS PERMITTED.

**NORTH ELEVATION (REAR):**  
 PER OBC TABLE 9.10.15.4  
 EXPOSING FACE: 1,160 SQ.FT (107.8 SQ.M)  
 OPENINGS: 247 SQ.FT (22.9 SQ.M)  
 LIMITING DISTANCE: 33.1 FT (10.1 M) Minimum  
 CALCULATED OPENING = 21.2% OF 40% ALLOWABLE.  
 \*\* WITH INTERPOLATION OF TABLE VALUES - THIS PERCENTAGE OF OPENINGS IS PERMITTED.

**EAST ELEVATION (RIGHT SIDE):**  
 STAGGERED WALL DIVIDED INTO 3 SECTIONS WITH DIFFERING LIMITING DISTANCES PER OBC 9.10.15.4(2) PER TABLE 9.10.15.4.  
**FACE #1**  
 LIMITING DISTANCE #1 = 1.94M  
 EXPOSING FACE #1: 1,034 SQ.FT (96 SQ.M)  
 OPENINGS #1: 74 SQ.FT (6.9 SQ.M)  
**FACE #1 CALCULATED OPENING = 7.1% OF 8% ALLOWABLE.**  
**FACE #2**  
 LIMITING DISTANCE #2 = 5.3M  
 EXPOSING FACE #2: 78 SQ.FT (7.2 SQ.M)  
 OPENINGS #1: 0 SQ.FT (0 SQ.M)  
**FACE #1 CALCULATED OPENING = 0% OF 90% ALLOWABLE.**  
**FACE #3**  
 LIMITING DISTANCE #3 = 8.3M  
 EXPOSING FACE #3: 131 SQ.FT (12.2 SQ.M)  
 OPENINGS #1: 35.75 SQ.FT (3.3 SQ.M)  
**FACE #3 CALCULATED OPENING = 27% OF 100% ALLOWABLE.**  
 \*\* WITH INTERPOLATION OF TABLE VALUES - THIS PERCENTAGE OF OPENINGS IS PERMITTED.

DESCRIPTION	REQUIRED	ACTUAL
MIN. LOT WIDTH	49.21' (15.0m)	50.00' (15.24m)
MIN. LOT AREA	4,844sq.ft. (450sq.m.)	5,497.23sq.ft. (510.69sq.m.)
MAX. BUILDING HEIGHT	32.81' (10.0m)	32.67' (9.96m)
MIN. FRONT YARD	9.84' (3.00m)	14.76' (4.50m)
MIN. CORNER SIDE YARD	N/A	N/A
MIN. REAR YARD	33.00' (10.06m)	33.17' (10.11m)
MIN. INTERIOR SIDE YARD	3.94' (1.2m)	4.04' (1.23m) AND 6.40' (1.95m)
MAX. LOT COVERAGE	N/A	N/A

### SB-12 ENERGY EFFICIENCY DESIGN

TABLE 3.1.1.2.A  
 ZONE 1 - COMPLIANCE PACKAGES FOR SPACE HEATING EQUIPMENT WITH AFUE 92% - FORMING PART OF SENTENCE 3.1.1.2.(1)

COMPLIANCE PACKAGE	A1	
	MIN. NOMINAL	MIN. EFFECTIVE
Ceiling with Attic Space (R60)	10.56 (R59.22)	10.43 (R59.22)
Ceiling Without Attic Space (R31)	5.46 (R27.65)	4.87 (R24.35)
Exposed Floor (R31)	5.46 (R27.65)	5.25 (R26.22)
Basement Walls (R20a)	3.52 (R17.60)	3.72 (R18.60)
Walls Above Grade (R22)	3.87 (R19.33)	3.00 (R15.03)
Minimum RSI (R)-Value (R20a)	3.52 (R17.60)	3.72 (R18.60)
Edge of Below Grade Slab @ 800 mm Below Grade (R10)	1.76 (R8.80)	N/A
Heated Slab or Slab @ 800 mm below grade (R10)	1.76 (R8.80)	1.96 (R9.80)
Windows and Sliding Glass Doors Maximum U-Value	1.8 (0.32)	N/A
Skylights	N/A	N/A
Space Heating Equipment Minimum AFUE	96%	N/A
Minimum Efficiency	75%	N/A
Domestic Hot Water Heater Minimum EF	0.80	N/A

IT IS THE RESPONSIBILITY OF THE APPROPRIATE CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS ON SITE AND REPORT ALL ERRORS AND/OR OMISSIONS TO THE DESIGNER. CONTRACTOR MUST COMPLY WITH ALL PERTINENT CODES AND BYLAWS. DO NOT SCALE DRAWINGS. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION UNTIL SIGNED AND DATED BY THE DESIGNER. COPYRIGHT RESERVED. THIS DRAWING IS THE EXCLUSIVE PROPERTY OF LANDMARK DESIGNS AND SHALL NOT BE USED WITHOUT THE DESIGNER'S CONSENT.

The undersigned has reviewed and undertaken the responsibilities for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code

Signature: *M.W.* Date: DEC19'25

Qualification Information:  
 Name: Mark Williams  
 BCIN (ind): #28231  
 BCIN (firm): #33592

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REVISIONS	DATE
1 ISSUED FOR REVIEW	NOV3'25
2 ISSUED FOR CO-ORDINATION	NOV11'25
3 ISSUED FOR CO-ORDINATION	DEC08'25
4 ISSUED FOR CO-ORDINATION	DEC16'25
5 ISSUED FOR BUILDING PERMIT	DEC19'25
6	
7	
8	
9	
10	

PROJECT: PRUD'HOMME-FOSTER RESIDENCE  
 237 CLEWOW AVE., OTTAWA, ONT.

ISSUE DATE: NOV 2025  
 SCALE: 1:100  
 DRAWN BY: M.W.  
 PROJECT NO: 2316

DRAWING NO: A-1  
 DRAWING: SITE PLAN