

**DESIGN PARAMETERS:**

1. DESIGN LOADS ARE UNFACTORED UNLESS NOTED OTHERWISE.

A. CLIMATIC DESIGN DATA (FERGUS):  
 $S_s = 2.2 \text{ kPa}$   
 $S_r = 0.4 \text{ kPa}$   
 $q(1/50) = 0.36 \text{ kPa}$   
 $q(0.2) = 0.160$

B. ROOF (DEAD) =  $0.75 \text{ kPa}$

C. OCCUPANCY (LIVE) =  $1.9 \text{ kPa}$

D. MAIN FLOOR (DEAD) =  $0.51 \text{ kPa}$

2. FOUNDATIONS TO BEAR DIRECTLY ON MATERIAL SUITABLE FOR  $100 \text{ kPa}$  ( $2000 \text{ psf}$ ) BEARING PRESSURE, UNLESS NOTED OTHERWISE.

3. SLABS ON GRADE TO BEAR ON MATERIALS SUITABLE FOR  $25 \text{ kPa}$  ( $500 \text{ psf}$ ) BEARING PRESSURE.

**PROPOSED CONSTRUCTION NOTES**

1. ADDING A NEW 10 SQ.FT. ONE STOREY ENTRY FOYER ADDITION TO THE FRONT OF THE EXISTING DWELLING C/W A CONCRETE PERIMETER WALL FOUNDATION BELOW.

2. ADDING THREE NEW TRANSOM WINDOWS TO THE SIDE WALL OF THE LIVING ROOM + DINING AREA.

**FOUNDATION NOTES**

ALL ADDITION FOUNDATION WALLS TO BE 8" FOURED CONCRETE C/W 6"x20" CONCRETE FOOTINGS.

**FRAMING NOTES**

USE (3) 2"x8" HEADERS C/W 2-2x6 POSTS (1 JACK + 1 KING) UNLESS OTHERWISE NOTED.

ROOF OVER FRAME RAFTERS TO BE 2"x6" @ 16" O.C. C/W 2"x4" COLLAR TIES AS REQUIRED UNLESS OTHERWISE NOTED.

RIDGE, HIP AND VALLEY RAFTERS TO BE 2"x10" WITH SUPPORT AS REQUIRED UNLESS OTHERWISE NOTED.

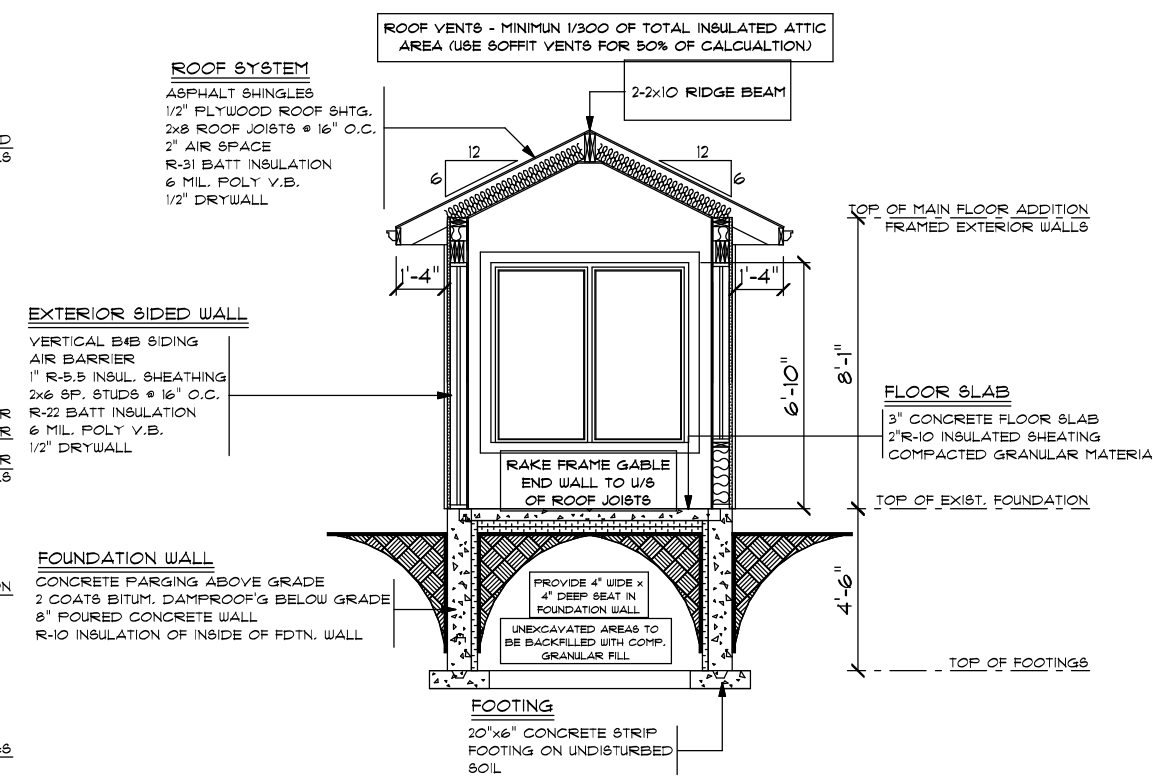
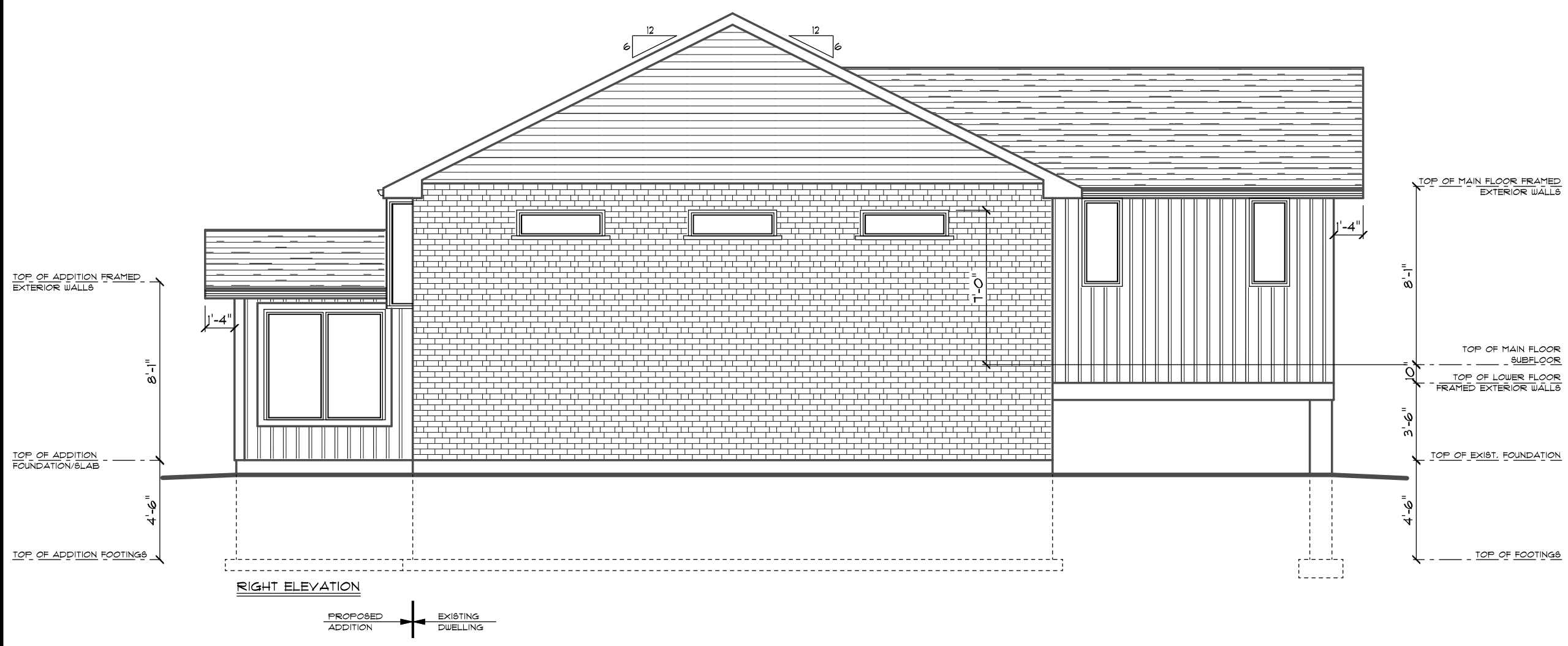
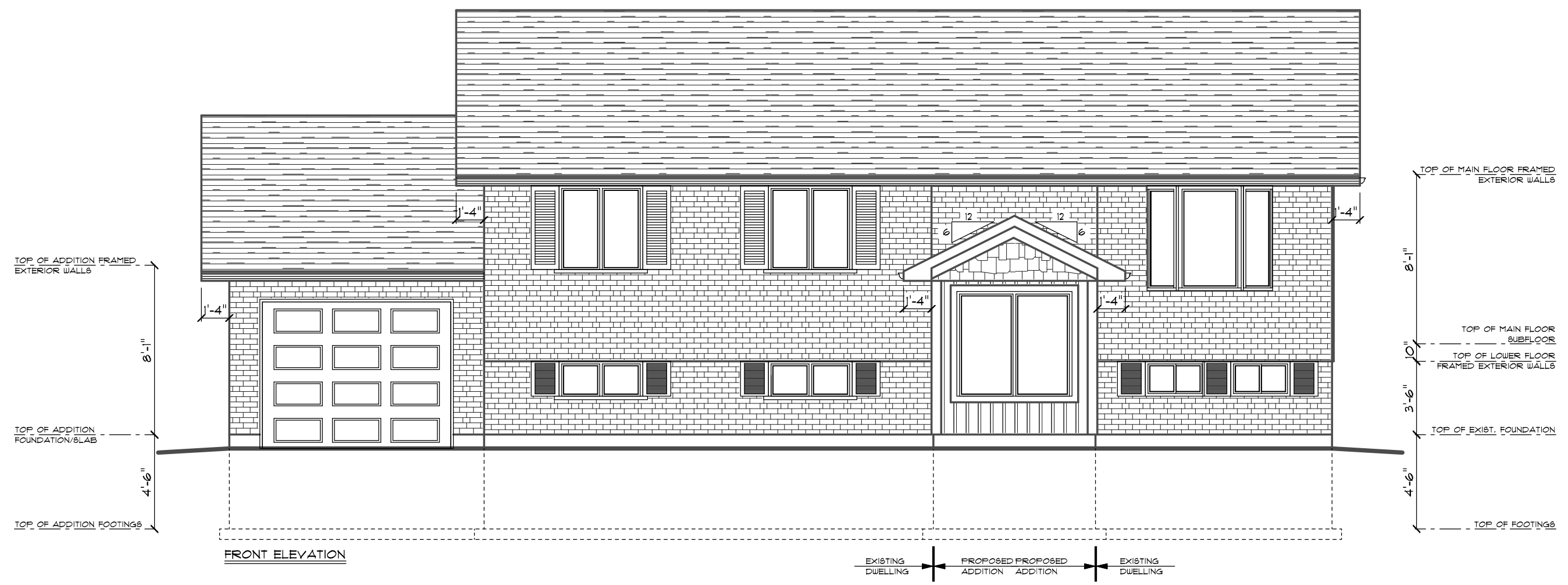
ALL CEILING JOISTS TO BE 2"x6" @ 16" O.C.

**GENERAL NOTES**

ALL STEEL BEAMS + HSS COLUMNS TO BE GRADE 350W

ALL LUMBER TO BE SPP NO. 1/2 OR BETTER MINIMUM 80L BEARING CAPACITY TO BE  $100 \text{ kPa}$  ( $2000 \text{ psf}$ )

PROVIDE SOLID BLOCKING @ WALLS ADJACENT TO WATER CLOSETS TO FACILITATE FUTURE WATER CLOSET GRAB BARS



**C. FREDE DESIGN INC.**  
 (519) 669-4780

ELMIRA, ONTARIO  
 CRAIG.FREDE@SYMPATICO.CA

**CONTRACTORS NOTE**

CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE DRAWINGS AND REPORT ANY DISCREPANCIES TO THE DESIGNER BEFORE PROCEEDING

DRAWINGS ARE NOT TO BE SCALED

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.

CRAIG FREDE BCIN # 20343

C. FREDE DESIGN INC. BCIN # 41306

**R.P.M. CONSTRUCTION LTD.**  
 CUSTOM RESIDENTIAL  
 ELMIRA, ONTARIO  
 (519) 669-1217

**DIEMER RES.**  
 ROCKWOOD ONTARIO

DRAWING TITLE  
**FRONT & RIGHT ELEVATIONS & SECTION A-A**

DRAWN C.F.	SCALE 3/16"=1'-0"	DRAWING NO. A-1
DATE MARCH 19, 2024	FILE NO. 600-200-24	

**PROPOSED CONSTRUCTION NOTES**

1. ADDING A NEW 70 SQ.FT. ONE STOREY ENTRY/FOYER ADDITION TO THE FRONT OF THE EXISTING DWELLING C/W A CONCRETE PERIMETER WALL FOUNDATION BELOW.
2. ADDING THREE NEW TRANSOM WINDOWS TO THE SIDE WALL OF THE LIVING ROOM & DINING AREA.

**FOUNDATION NOTES**

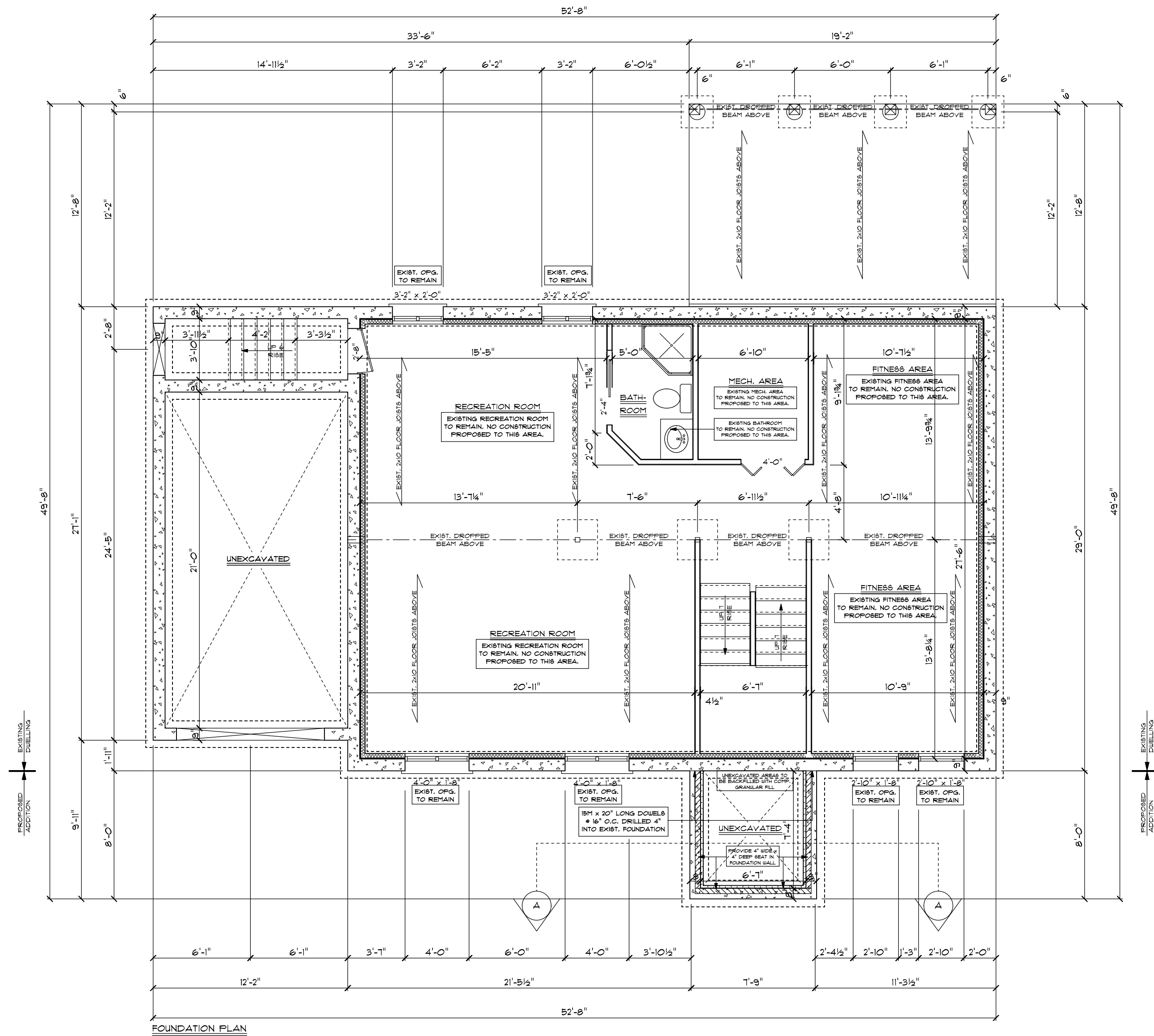
ALL ADDITION FOUNDATION WALLS TO BE 8" FOURED CONCRETE C/W 6"x20" CONCRETE FOOTINGS.

**FRAMING NOTES**

USE (3) 2"x8" HEADERS C/W 2"x6" POSTS (1 JACK + 1 KING) UNLESS OTHERWISE NOTED.  
 ROOF JOISTS TO BE 2"x10" @ 16" O.C.  
 ROOF OVER FRAME RAFTERS TO BE 2"x6" @ 16" O.C. C/W 2"x4" COLLAR TIES AS REQUIRED UNLESS OTHERWISE NOTED.  
 RIDGE, HIP AND VALLEY RAFTERS TO BE 2"x10" WITH SUPPORT AS REQUIRED UNLESS OTHERWISE NOTED.  
 ALL CEILING JOISTS TO BE 2"x6" @ 16" O.C.

**GENERAL NOTES**

ALL STEEL BEAMS & HSS COLUMNS TO BE GRADE 350W ALL LUMBER TO BE SPF NO. 12 OR BETTER MINIMUM SOIL BEARING CAPACITY TO BE 100KPA (2000PSF).  
 PROVIDE SOLID BLOCKING @ WALLS ADJACENT TO WATER CLOSETS TO FACILITATE FUTURE WATER CLOSET GRAB BARS



FOUNDATION PLAN

**C. FREDE  
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**R.P.M.  
CONSTRUCTION**

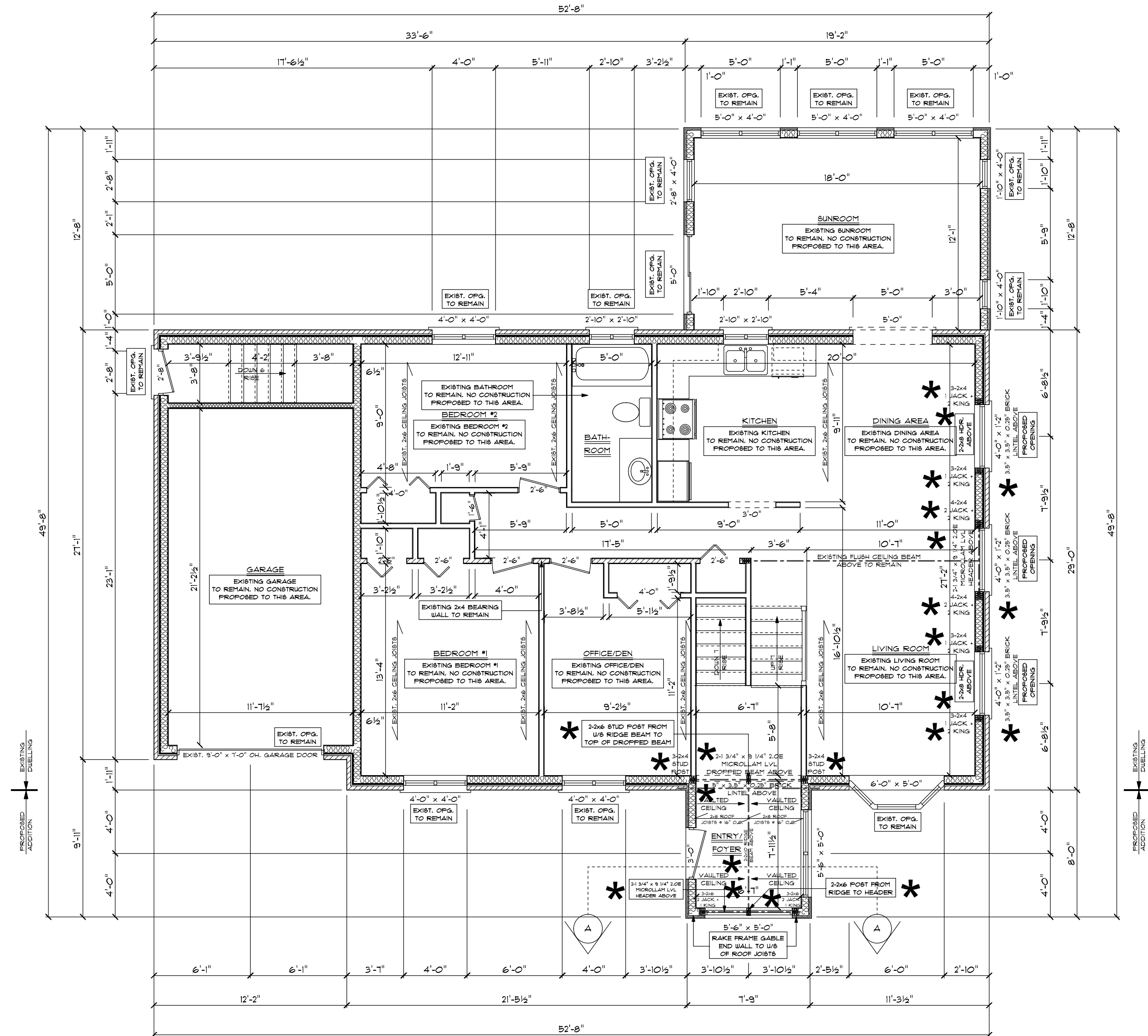
LTD.  
CUSTOM RESIDENTIAL  
ELMIRA, ONTARIO  
(519) 663-1211

**DIEMER RES.**

ROCKWOOD ONTARIO

DRAWING TITLE  
**FOUNDATION PLAN**

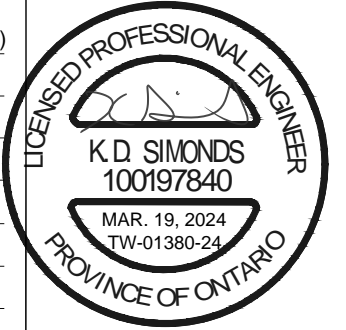
DRAWN C.F.	SCALE 3/16"=1'-0"	DRAWING NO. <b>A-2</b>
DATE MARCH 13, 2024	FILE NO. 600-200-24	



**MAIN FLOOR PLAN**  
 EXISTING MAIN FLOOR AREA: 1410 SQ.FT.  
 PROPOSED MAIN FLOOR ADDITION AREA: 10 SQ.FT.  
 DASHED LINE DENOTES NEW INTERIOR NON-LOAD BEARING WALL

**PROPOSED CONSTRUCTION NOTES**  
 1. ADDING A NEW 10 SQ.FT. ONE STOREY ENTRY/FOYER ADDITION TO THE FRONT OF THE EXISTING DWELLING C/W A CONCRETE PERIMETER WALL FOUNDATION BELOW.  
 2. ADDING THREE NEW TRANSOM WINDOWS TO THE SIDE WALL OF THE LIVING ROOM & DINING AREA.  
**FOUNDATION NOTES**  
 ALL ADDITION FOUNDATION WALLS TO BE 8" POURED CONCRETE C/W 6"x20" CONCRETE FOOTINGS.  
**FRAMING NOTES**  
 USE (3) 2"x8" HEADERS C/W 2x46 POSTS (1 JACK + 1 KING) UNLESS OTHERWISE NOTED.  
 ROOF JOISTS TO BE 2"x10" @ 16" O.C.  
 ROOF OVER FRAME RAFTERS TO BE 2"x6" @ 16" O.C. C/W 2"x4" COLLAR TIES AS REQUIRED UNLESS OTHERWISE NOTED.  
 RIDGE, HIP AND VALLEY RAFTERS TO BE 2"x10" WITH SUPPORT AS REQUIRED UNLESS OTHERWISE NOTED.  
 ALL CEILING JOISTS TO BE 2"x6" @ 16" O.C.  
**GENERAL NOTES**  
 ALL STEEL BEAMS & HSS COLUMNS TO BE GRADE 350U  
 ALL LUMBER TO BE SPF NO. 1/2 OR BETTER MINIMUM SOIL BEARING CAPACITY TO BE 1000PSF (2000mm)  
 PROVIDE SOLID BLOCKING @ WALLS ADJACENT TO WATER CLOSETS TO FACILITATE FUTURE WATER CLOSET GRAB BARS

**\* ITEMS DESIGNED AS REQUESTED.**  
**UNFACTORED DESIGN LOADS:**  
 LIVE: SNOW = 1.45kPa (Ss= 1.9kPa)  
 ATTIC = 0.5 kPa  
 WIND: q(1/50) = 0.39 kpa  
 DEAD: ROOF = 0.75 kPa  
 CEILING = 0.35 kPa  
 BRICK VENEER = 2.0 kPa



**TACOMA ENGINEERS**

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 C. FREDE DESIGN INC. BCIN # 41306

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 CUSTOM RESIDENTIAL  
 ELMIRA, ONTARIO  
 (519) 668-1217

**DIEMER RES.**  
 ROCKWOOD ONTARIO

DRAWING TITLE: **MAIN FLOOR PLAN**

DRAWN: C.F.	SCALE: 3/16"=1'-0"	DRAWING NO.: A-3
DATE: MARCH 19, 2024	FILE NO.: 600-200-24	