1. GENERAL NOTES:

1.1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2012 ONTARIO BUILDING CODE (AS AMENDED).

1.2. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK. DO NOT SCALE THESE DRAWINGS.

1.3. DRAWINGS OF A LARGER SCALE SHALL TAKE PRECEDENCE OVER DRAWINGS OF A SMALLER SCALE.

1.4. THESE DRAWINGS ARE THE PROPERTY OF SAULTEAUX CONSULTING & ENGINEERING (SCE). UNAUTHORIZED REPRODUCTIONS OF THESE DRAWINGS IS PROHIBITED WITHOUT THE CONSENT OF SCE.

1.5. MECHANICAL, PLUMBING AND ELECTRICAL DESIGNS DONE BY OTHERS.

2. SOIL AND EXCAVATION:

2.1. EXCAVATION SHALL BE DOWN TO UNDISTURBED SOIL.

2.2. WHERE ORGANIC MATERIAL IS ENCOUNTERED BELOW THE EXCAVATION LEVEL, EXCAVATE TO THE DEPTH OF THE MATERIAL AND REMOVE. REPLACE WITH GRANULAR "A" MATERIAL AND COMPACT TO 98% PROCTOR IN 6" LIFTS.

2.3. BEARING CAPACITY OF SOIL IS ASSUMED TO BE 75 KPa (1500 PSF) UNLESS OTHERWISE NOTED. FOOTINGS SHALL BEAR ON SIMILAR TYPE OF SOIL THROUGHOUT.

3. WOOD, FRAMING AND FASTENERS:

3.1. ALL STRUCTURAL FRAMING MEMBERS SHALL BE #1 OR #2 GRADE SPRUCE/PINE/FIR.

3.2. ALL WOOD IN CONTACT WITH CONCRETE SHALL EITHER BE PRESSURE TREATED OR PROTECTED BY 6 MIL CGSB VAPOUR BARRIER.

3.3. ALL WOOD IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED.

3.4. ROOF TRUSSES SHALL BE DESIGNED AND APPROVED BY A PROFESSIONAL ENGINEER LICENSED IN ONTARIO, AND ACCOMPANIED BY STAMPED DRAWINGS. BRACING SHALL BE INSTALLED AS PER TRUSS SHOP DRAWINGS. SUBMIT SHOP DRAWINGS TO SCE FOR REVIEW.

3.5. ANCHOR BOLTS SHALL BE MIN. 1/2" DIA. x 7" LONG SIMPSON WEDGE-ALL ANCHORS OR EQUIVALENT, SPACED AT 48" O/C.

3.6. ALL WINDOW AND DOOR LINTELS TO BE MIN. 2 PLY 2x10, C/W SINGLE 2x6 CRIPPLE STUD ON EITHER SIDE OF OPENING, UNLESS OTHERWISE NOTED. WHERE 3 PLY HEADERS OR ENGINEERED LINTELS ARE NOTED, THEY SHALL BEAR ON DOUBLE CRIPPLE STUDS ON EITHER SIDE OF THE OPENING.

3.7. INSTALL GANG STUDS DOWN TO FOUNDATION, DIRECTLY UNDER ALL GIRDER TRUSSES AND BEAMS (WHERE APPLICABLE) AND MATCH PLY THICKNESS CONTINUOUSLY.

3.8. BUILT-UP BEAMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 9.23.8.3.

3.9. USE SIMPSON STRONG TIE COLUMN BASE AND CAPS ON WOOD POSTS.

3.10. USE SIMPSON STRONG TIE TRUSS CLIPS (OR EQUIVALENT) WHERE REQUIRED. INSTALL AS PER MANUFACTURERS REQUIREMENTS.

4. STEEL:

4.1. ALL REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 400 MPa. LAP ALL REINFORCING STEEL A MINIMUM 45 BAR DIAMETERS.

4.2. PROVIDE A MINIMUM OF 3" CONCRETE COVER OVER REINFORCING STEEL WHERE CONCRETE IS IN CONTACT WITH SOIL AND A MINIMUM 2" COVER ELSEWHERE.

4.3. ANCHOR BOLTS TO BE MIN. 7" LONG, SIMPSON STRONG TIE WEDGE ALL OR EQUIVALENT. INSTALL AS PER MANUFACTURERS REQUIREMENTS.

5. CONCRETE:

5.1. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 32 MPa.

5.2. WHEN THE AIR TEMPERATURE IS BELOW 5°C, CONCRETE SHALL BE KEPT AT A TEMPERATURE OF NOT LESS THAN 10°C OR MORE THAN 25°C WHILE BEING MIXED AND PLACED.

5.3. FOR THE FIRST 72 HOURS AFTER PLACING, CONCRETE SHALL BE MAINTAINED AT A TEMPERATURE OF NOT LESS THAN 10°C.

5.4. WHEN MIXING CONCRETE, NO FROZEN MATERIAL OR ICE SHALL BE USED.

6. ENVIRONMENTAL SEPARATION:

6.1. INSTALL EXTERIOR CLADDING AS PER MANUFACTURERS REQUIREMENTS.

6.2. EVERY VAPOUR BARRIER JOINT SHALL LAP NO LESS THAN 4" AND SHALL BE SEALED OR SUPPORTED BY FRAMING.

6.3. DRIP FLASHING SHALL BE APPLIED OVER EXTERIOR WALL OPENINGS WHERE THE VERTICAL DISTANCE FROM THE BOTTOM OF THE EAVE TO THE TOP OF THE TRIM IS MORE THAN 1/4 OF THE HORIZONTAL OVERHANG OF THE EAVE.

6.4. FLASHING SHALL BE INSTALLED SO THAT IT EXTENDS UPWARDS NOT LESS THAN 2" BEHIND THE AIR BARRIER AND FORMS A DRIP ON THE OUTSIDE EDGE, C/W END DAMS.

7. FIRE PROTECTION:

7.1. COMBINATION SMOKE ALARM/ CARBON MONOXIDE DETECTORS ARE TO BE INSTALLED BASED ON THE REQUIREMENTS OF SECTIONS 9.10.19 AND 9.33.4, RESPECTIVELY, OF THE OBC (AS AMENDED). SMOKE ALARMS SHALL HAVE A VISUAL SIGNALING COMPONENT THAT CONFORMS TO THE REQUIREMENTS OF 18.5.3. OF NFPA 72, "NATIONAL FIRE ALARM AND SIGNALING CODE".

8. DOORS AND WINDOWS:

8.1. ALL EXTERIOR DOORS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 9.7.5.2. "RESISTANCE TO FORCED ENTRY FOR DOORS". EXTERIOR DOORS SHALL SWING IN THE PATH OF EXIT TRAVEL.

8.2. ALL INTERIOR RATED DOORS SHALL HAVE EQUIVALENT RATED FRAME, C/W DOOR CLOSER AND LATCH.

8.3. WINDOWS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 9.7.5.3. "RESISTANCE TO FORCED ENTRY FOR WINDOWS".

DESIGN LOADS

SNOW LOAD (FF) = 2.3 KPA
RAIN LOAD (FF = 0.3 KPA
WIND LOAD (FF) = 0.31 PSF (1/50 YR.)
ROOF SNOW LOAD = 2.14 KPA
ROOF DEAD LOAD = 0.75 KPA

SAULTEAUX CONSULTING & ENGINEERING

SITE 206-207 RR#2
FORT FRANCES, ONTARIO
P9A 3M3
1-807-274-7114

LICENSED PROFESSIONAL ENGINEER
T. K. BROYERE
2023/08/31
PROVINCE OF ONTARIO

NO.	DESCRIPTION	YR/MM/DD
1	ISSUED FOR CONSTRUCTION	23/08/31

REVISIONS

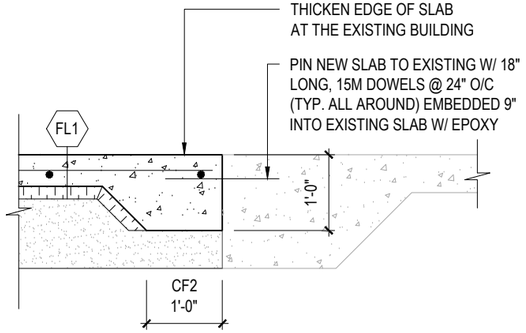
BERGLAND PUBLIC WORKS
GARAGE ADDITION

TOWNSHIP OF BERGLAND
BERGLAND, ONTARIO

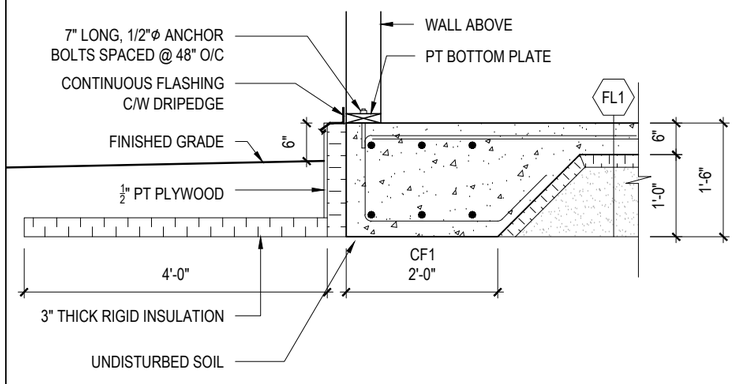
SHEET TITLE:
GENERAL NOTES

SCALE:	AS SHOWN
DRAWN BY:	JB
CHECKED BY:	TB
PROJECT NO.:	23-062
REVISION NO.:	-
PROJECT START DATE:	2023-07-31

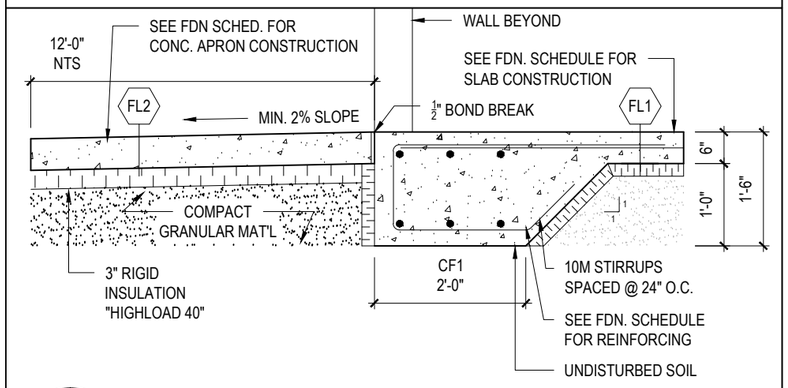
SHEET NO.
1



1/2 NEW CONC SLAB @ EXISTING
SCALE: 1/2" = 1'-0"



2/2 TYPICAL CLUB FTG. DETAIL
SCALE: 1/2" = 1'-0"



3/2 CONCRETE APRON @ O/H DOOR
SCALE: 1/2" = 1'-0"

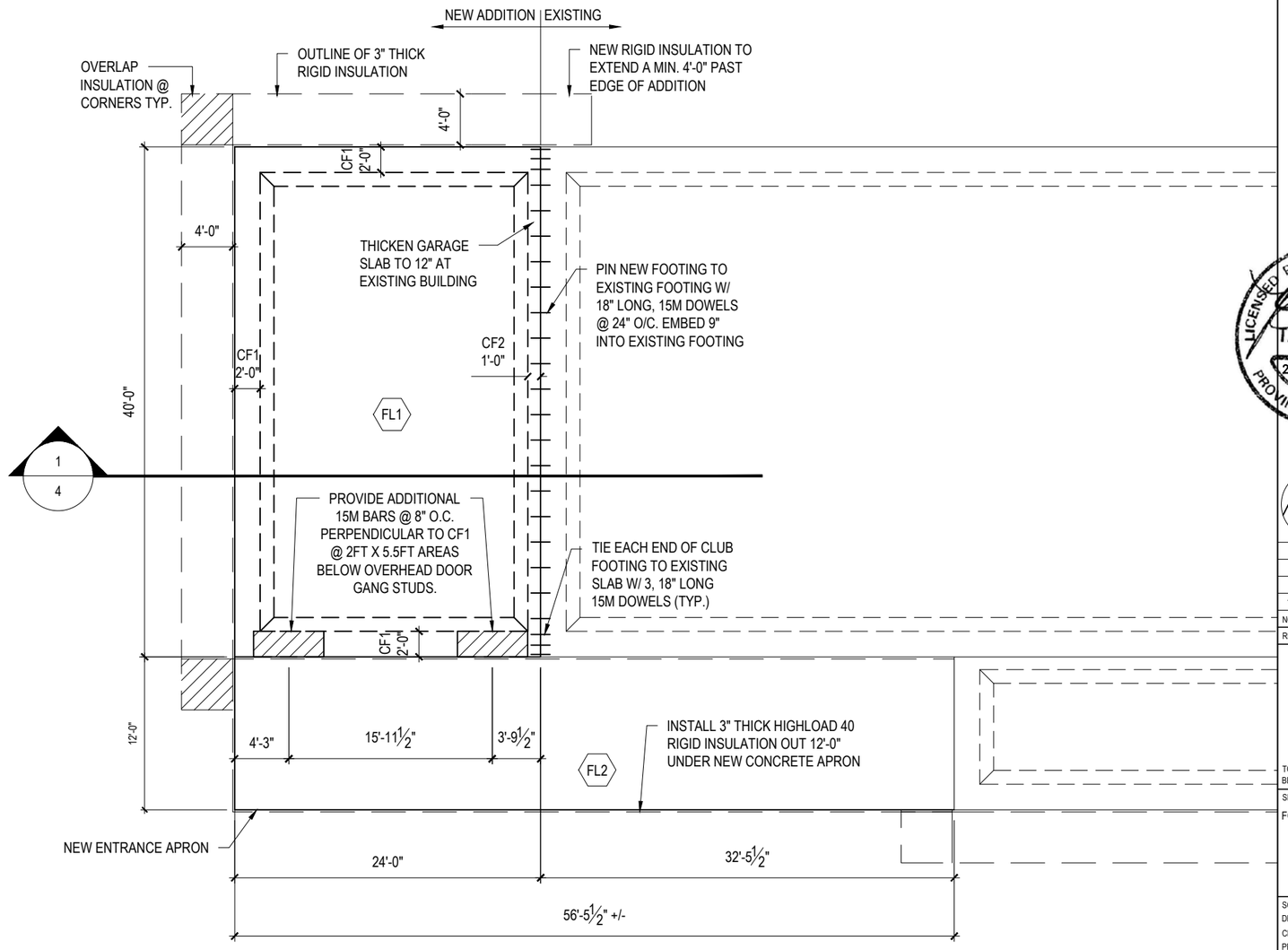
FOUNDATION SCHEDULE

FL1
6" CONCRETE SLAB (32 MPa)
R/W 10M REBAR SPACED @ 12" O.C. E/W
6MIL CGSB VAPOUR BARRIER
2" HIGHLOAD RIGID INSULATION
MIN. 12" COMPACT GRANULAR "A" MAT'L
UNDISTURBED SOIL

FL2
6" CONCRETE SLAB (32 MPa)
R/W 10M REBAR SPACED @ 12" O.C. E/W
COMPACT GRANULAR "A" TO U/S OF ADJACENT
BUILDING CLUB FTG.
UNDISTURBED SOIL

CF1
2'-0"W X 1'-6"D CONC. STRIP FTG. R/W 3 ROWS 15M
REBAR CONTINUOUS TOP & BOTTOM & 10M
STIRRUPS @ 24" O.C.

CF2
1'-0"W X 1'-0"D CONC. CLUB FTG. PINNED TO
EXISTING FTG. (SEE DETAIL 1/2)



4/2 CONCRETE APRON @ O/H DOOR
SCALE: 3/32" = 1'-0"

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BERGLAND, ONTARIO

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FOUNDATION PLAN & DETAIL

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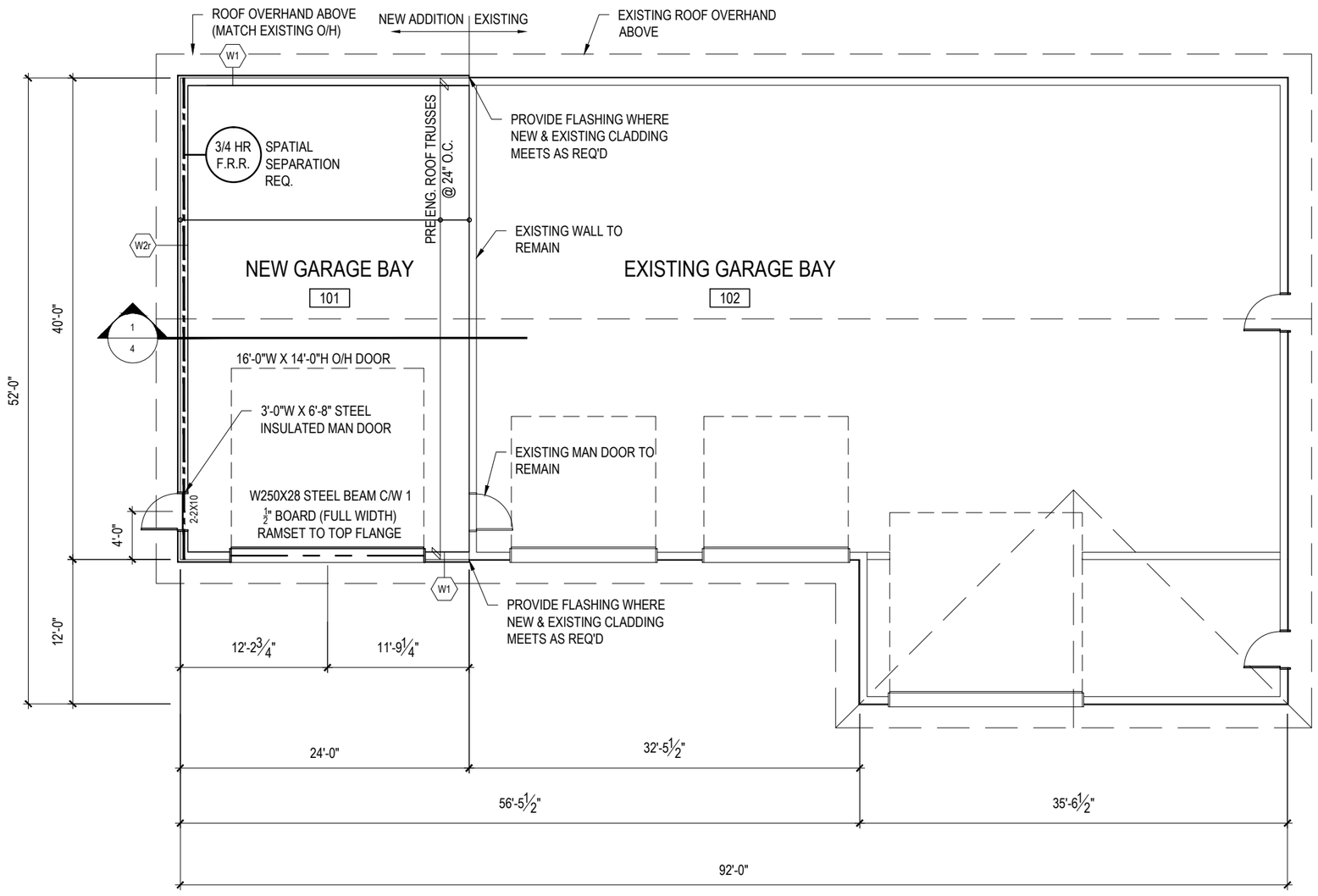
SHEET NO.
2

23	SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS									3.2.3. TABLES 3.2.3.1.B 3.2.3.7	9.10.14., 9.10.15.
	WALL	AREA OF EXPOSING BUILDING FACE (m^2)	LIMITING DISTANCE (m)	L/H OR H/L	MAX PERMITTED % OF OPENINGS	PROPOSED % OF OPENINGS	FIRE RESISTANCE RATING (HOURS)	COMB. OR NON-COMB. CONST. REQ'D	COMB. OR NON-COMB. CLADDING REQ'D		
	NORTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	SOUTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	EAST	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	WEST	59.46	±4.27	L/H	28	3.6	3/4	BOTH	BOTH		



1/3 FLOOR PLAN
SCALE: 3/32" = 1'-0"

WALL/ROOF ASSEMBLIES

W1
VERTICAL SIDING - EXTERIOR WALL CONSTRUCTION - SHOP AREA
VERTICAL EXTERIOR METAL SIDING ON
2x4 HORIZONTAL STRAPPING @ 24" O/C ON
AIR BARRIER
2x6 WOOD STUDS @ 16" O/C C/W
2x6 HORIZONTAL BLOCKING SPACED @ 4'-0"
R22 BATT INSULATION
6 MIL CGSB VAPOUR BARRIER
1x4 HORIZONTAL STRAPPING @ 24" O/C
VERTICAL METAL SIDING (INTERIOR)

W2r
VERTICAL SIDING - EXTERIOR WALL CONSTRUCTION
3/4 HR F.R.R. (SPATIAL SEPARATION REQ.)
AS PER OBC SB-2 AS PER THE ADDITIVE COMPONENT
VERTICAL EXTERIOR METAL SIDING ON
1x4 HORIZONTAL STRAPPING @ 24" O/C ON
AIR BARRIER ON
1 LAYER EXTERIOR GRADE 5/8" TYPE 'X' GYPSUM SHEATHING ON
2x6 WOOD STUDS @ 16" O/C C/W
2x6 HORIZONTAL BLOCKING SPACED @ 4'-0"
R22 BATT INSULATION
6 MIL CGSB VAPOUR BARRIER
1 LAYER EXTERIOR GRADE 5/8" TYPE 'X' GYPSUM SHEATHING ON
1x4 HORIZONTAL STRAPPING @ 24" O/C
VERTICAL METAL SIDING (INTERIOR)

R1
METAL ROOF CONSTRUCTION W/ ACT CEILING
METAL ROOF CLADDING
AIR BARRIER
2x4 STRAPPING @ 24" O.C. (OR AS PER MANU. RQMTS)
ENGINEERED ROOF TRUSSES @ 24" O/C
(BRACING AS REQUIRED)
R71 INSULATION
6 MIL CGSB VAPOUR BARRIER
2X4 STRAPPING
METAL CLADDING (CEILING)

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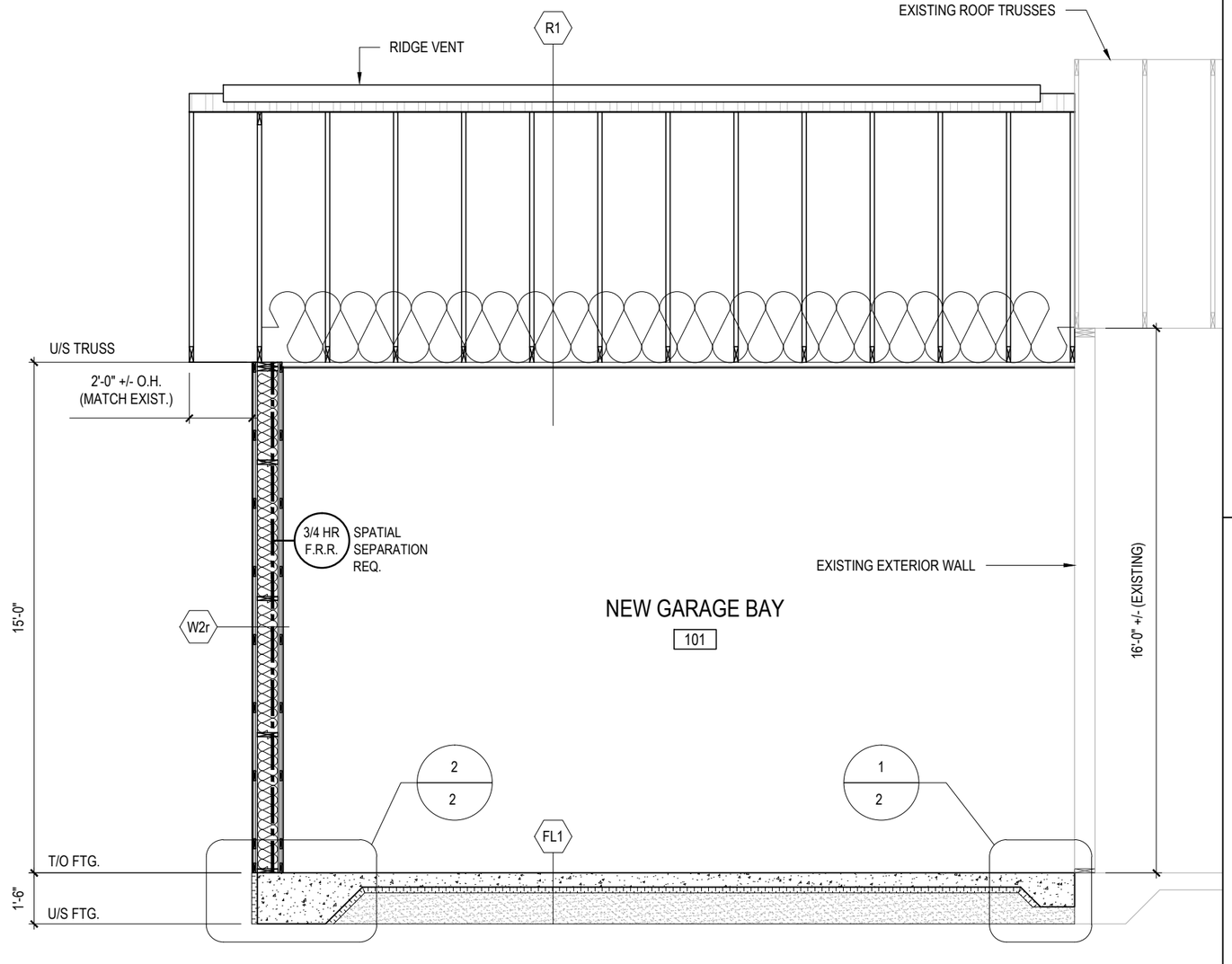
SHEET NO.
3

FILE PATH: Z:\SCE\PROJECTS\2023\23-062 Bergland PW Garage\bergland.dwg SAVE DATE: August 31, 2023



1 / 4 SECTION
SCALE: 1/4" = 1'-0"

WALL/ROOF ASSEMBLIES

W1

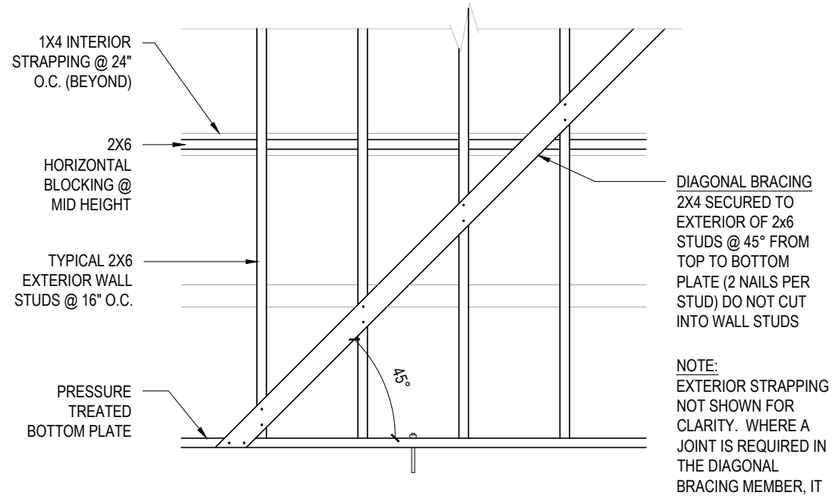
VERTICAL SIDING - EXTERIOR WALL
CONSTRUCTION - SHOP AREA
VERTICAL EXTERIOR METAL SIDING ON
2x4 HORIZONTAL STRAPPING @ 24" O/C ON
AIR BARRIER
2x6 WOOD STUDS @ 16" O/C C/W
2x6 HORIZONTAL BLOCKING SPACED @ 4'-0"
R22 BATT INSULATION
6 MIL CGSB VAPOUR BARRIER
1x4 HORIZONTAL STRAPPING @ 24" O/C
VERTICAL METAL SIDING (INTERIOR)

W2r

VERTICAL SIDING - EXTERIOR WALL CONSTRUCTION
3/4 HR F.R.R. (SPATIAL SEPARATION REQ.)
AS PER OBC SB-2 AS PER THE ADDITIVE COMPONENT
VERTICAL EXTERIOR METAL SIDING ON
1x4 HORIZONTAL STRAPPING @ 24" O/C ON
AIR BARRIER ON
1 LAYER EXTERIOR GRADE 5/8" TYPE 'X' GYPSUM
SHEATHING ON
2x6 WOOD STUDS @ 16" O/C C/W
2x6 HORIZONTAL BLOCKING SPACED @ 4'-0"
R22 BATT INSULATION
6 MIL CGSB VAPOUR BARRIER
1 LAYER EXTERIOR GRADE 5/8" TYPE 'X' GYPSUM
SHEATHING ON
1x4 HORIZONTAL STRAPPING @ 24" O/C
VERTICAL METAL SIDING (INTERIOR)

R1

METAL ROOF CONSTRUCTION W/ ACT CEILING
METAL ROOF CLADDING
AIR BARRIER
2x4 STRAPPING @ 24" O.C. (OR AS PER MANU. RQMTS)
ENGINEERED ROOF TRUSSES @ 24" O/C
(BRACING AS REQUIRED)
R71 INSULATION
6 MIL CGSB VAPOUR BARRIER
2X4 STRAPPING
METAL CLADDING (CEILING)



DIAGONAL BRACING
2X4 SECURED TO EXTERIOR OF 2x6 STUDS @ 45° FROM TOP TO BOTTOM PLATE (2 NAILS PER STUD) DO NOT CUT INTO WALL STUDS

NOTE:
EXTERIOR STRAPPING NOT SHOWN FOR CLARITY. WHERE A JOINT IS REQUIRED IN THE DIAGONAL BRACING MEMBER, IT SHALL BE LOCATED AT A STUD

2 / 4 DIAGONAL BRACING DETAIL
SCALE: 1/2" = 1'-0"

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SHEET NO.
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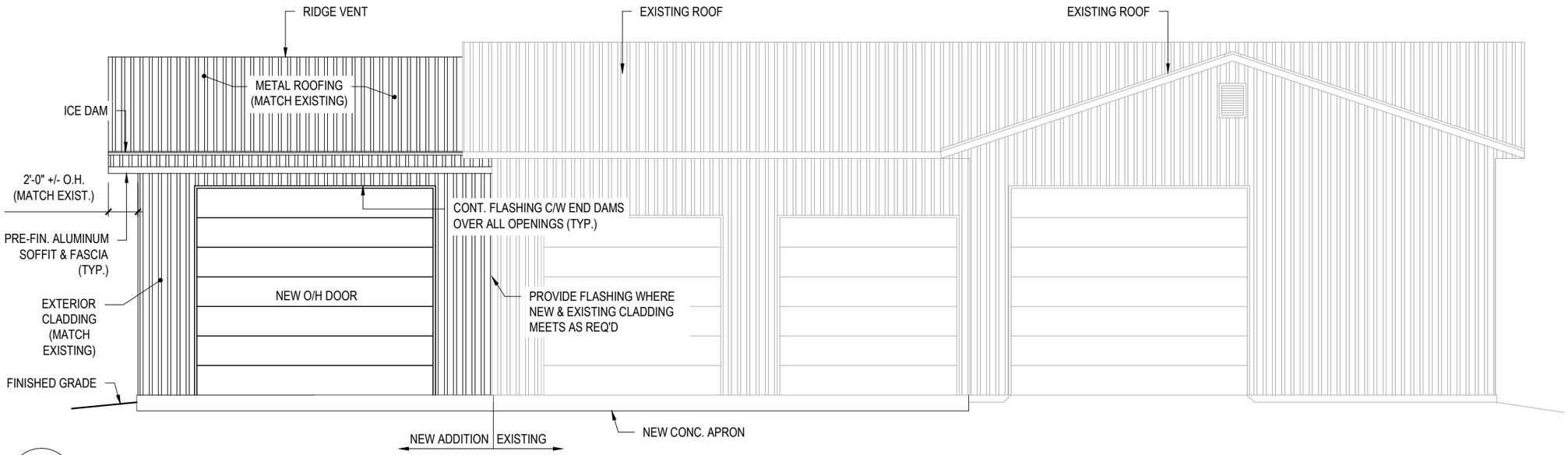
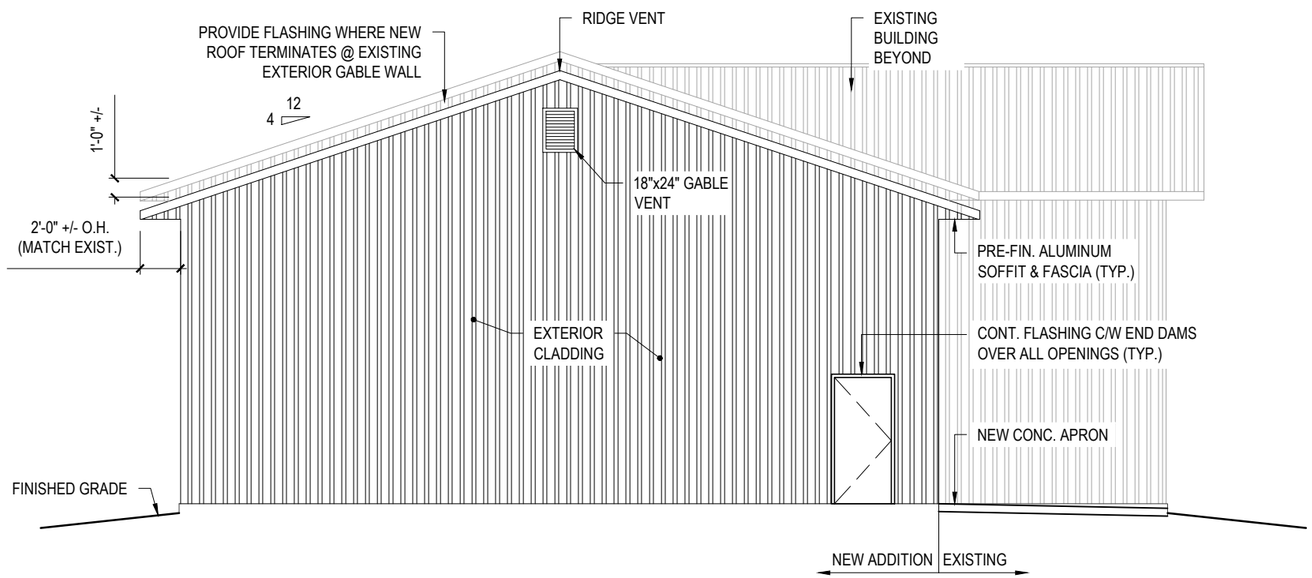


1/5 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



2/5 WEST ELEVATION
SCALE: 1/8" = 1'-0"

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SHEET NO.
5