

DWG #	DRAWING TITLE
<b>BUILDING &amp; BUILDING CODE DRAWINGS</b>	
BC1	MAIN FLOOR PLAN & SITE PLAN
BC2	BUILDING ELEVATIONS & ROOF PLAN
BC3	BUILDING ELEVATIONS & SECTION
BC4	CODE REVIEW & SCHEDULES
<b>STRUCTURAL DRAWINGS</b>	
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S2	GENERAL NOTES & FOUNDATION DETAILS
<b>MECHANICAL DRAWINGS</b>	
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M-101	PLAN - SANITARY PIPING PLANS
M-102	SANITARY SCHEMATICS AND DETAILS
M-201	PLAN - PIPING
M-202	PIPING DETAILS
M-301	PLAN - HEATING/AIR CONDITIONING/VENTILATION
M-302	DETAILS - HEATING/AIR CONDITIONING/VENTILATION
M-303	HEATING/AIR CONDITIONING/VENTILATION CONTROL
M-401	PLAN & DETAILS - HYDRONIC FLOOR HEAT
<b>ELECTRICAL DRAWINGS</b>	
E0.0	ELECTRICAL SPECIFICATIONS AND SYMBOL SCHEDULES
E0.1	ELECTRICAL SITE PLAN
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CITY OF MORDEN

PUBLIC WORKS

BUILDING ADDITION

234 COCHLAN DRIVE  
MORDEN, MB

2	TENDER	2025 08 14
1	CLIENT'S REVIEW	2025 06 06
0	CLIENT'S REVIEW	2025 04 25

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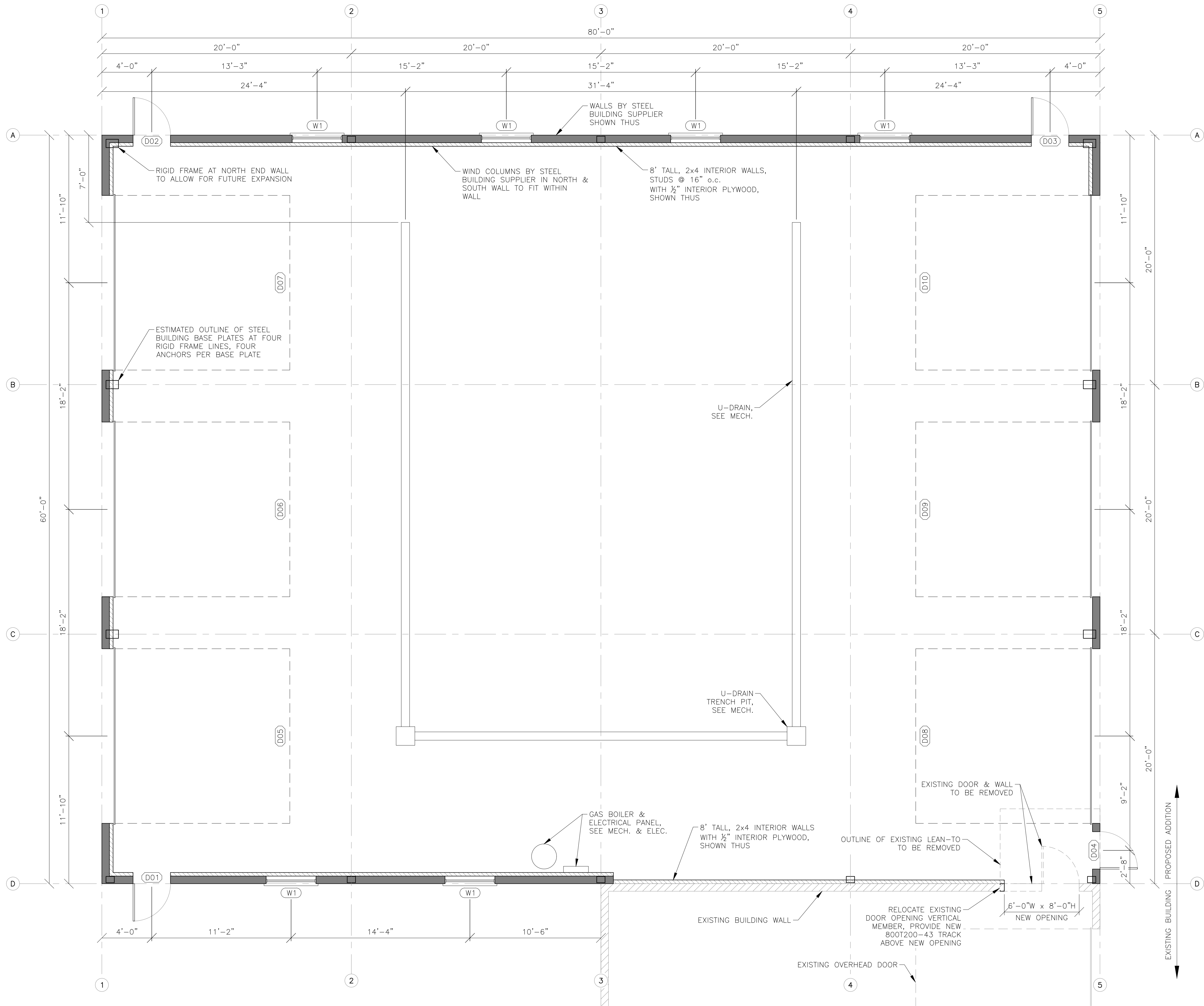
JOB #: 25F148

CLIENT  
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100-195 STEPHEN STREET  
MORDEN, MANITOBA R6M 1V3

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IAN\_SWINTAK@AMBITENG.CA



MAIN FLOOR PLAN  
SCALE: 1/4"=1'-0"



SITE PLAN  
SCALE: 1/64"=1'-0"

FINISH NOTES:

FLOORING:  
1. NO FLOOR FINISHES.

INTERIOR & EXTERIOR WALL, CEILING, ROOF, FINISHES:  
1. VERIFY METAL CLADDING COLOURS WITH OWNER.

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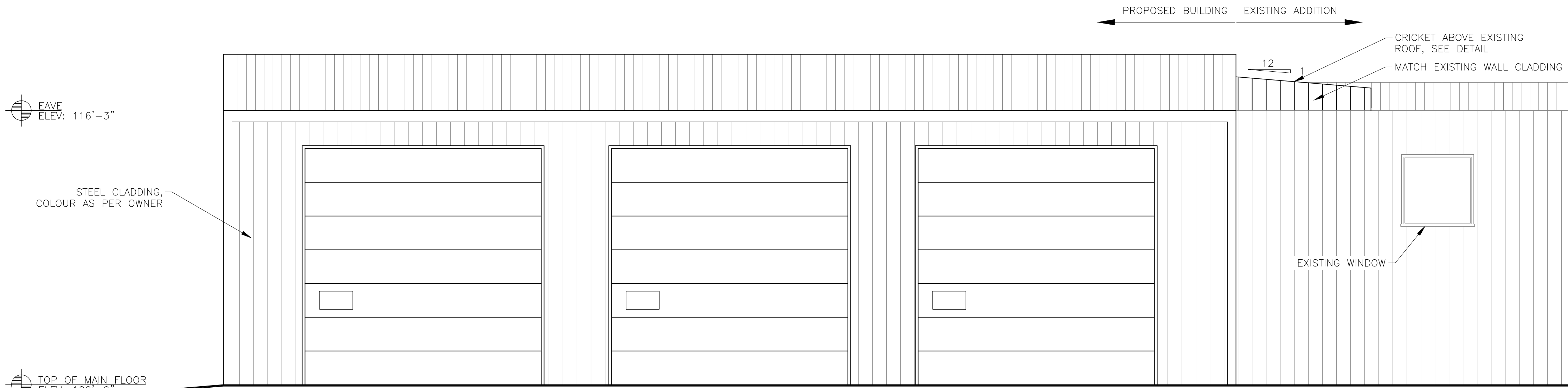
CITY OF MORDEN  
PUBLIC WORKS BUILDING ADDITION - 234 COCHRANE DRIVE, MORDEN, MB

MAIN FLOOR PLAN & SITE PLAN

DRAWN	M.N.	CHECKED	S.K.	DRAWING #
DESIGN	S.K.	SHEET	1 OF 6	25F148 - BC1



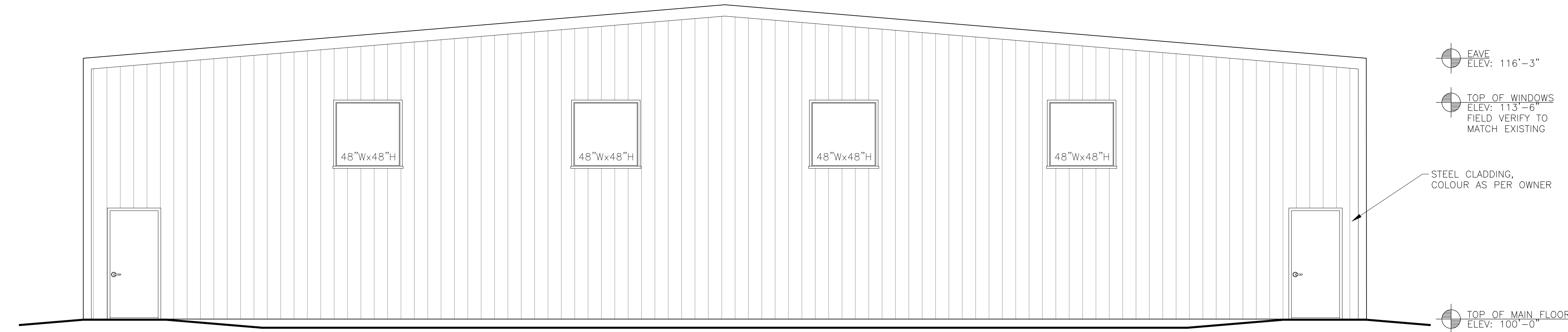




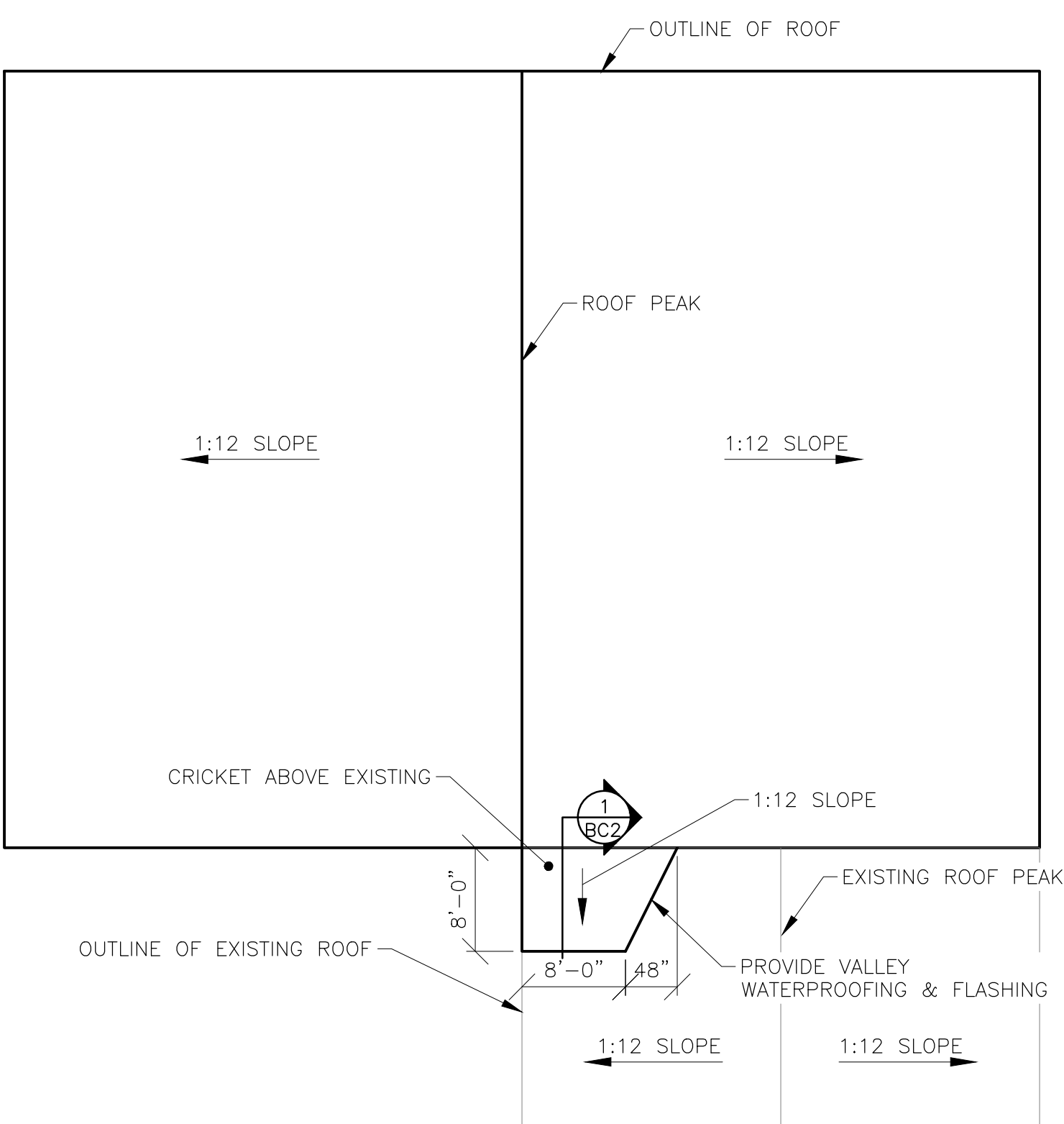
WEST ELEVATION  
SCALE: 1/4"=1'-0"



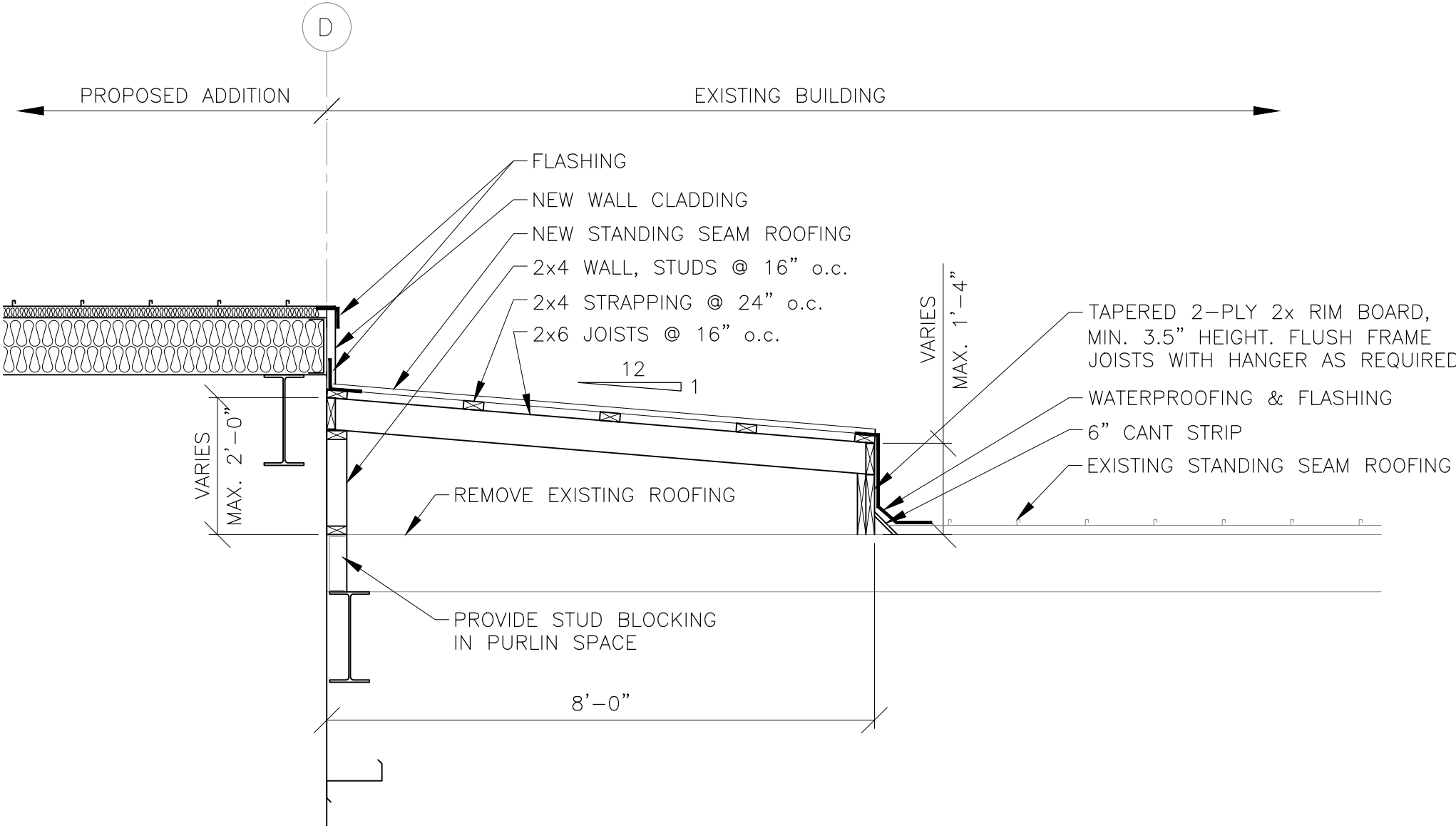
EAST ELEVATION  
SCALE: 1/4"=1'-0"



NORTH ELEVATION  
SCALE: 1/4"=1'-0"



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



1 BC2 ROOF CRICKET DETAIL  
SCALE: 1/2"=1'-0"

2	TENDER	2025 08 14
1	CLIENT'S REVIEW	2025 06 06
0	CLIENT'S REVIEW	2025 04 30
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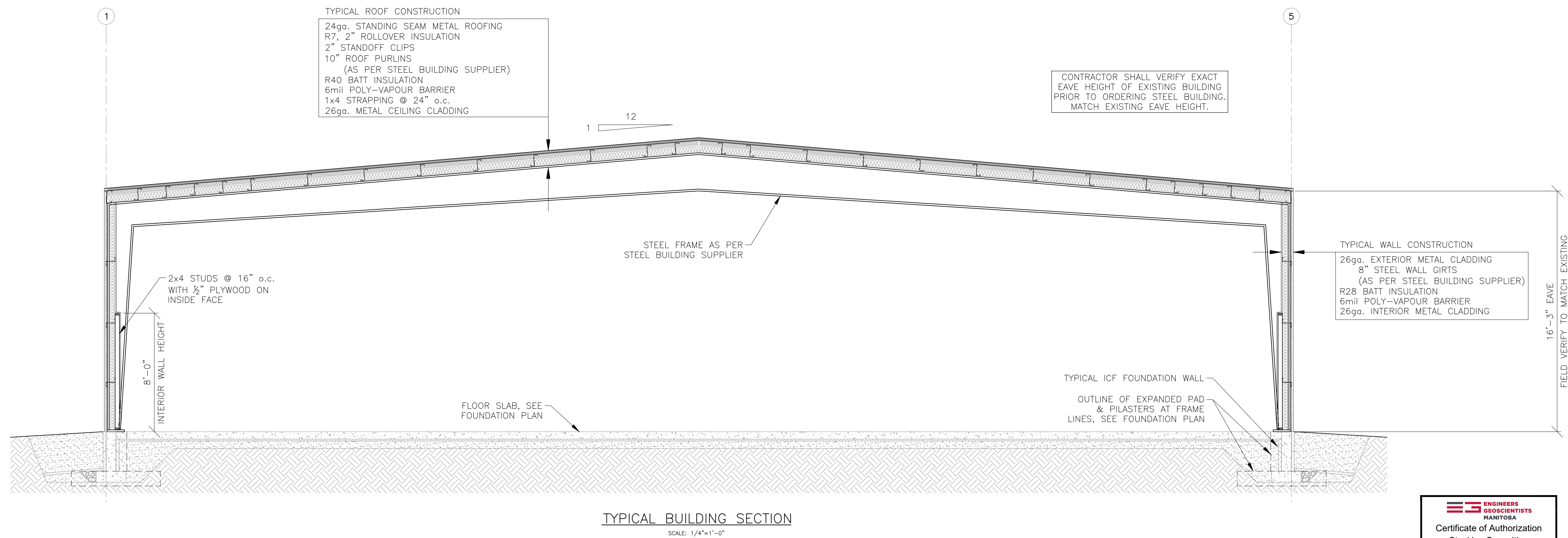
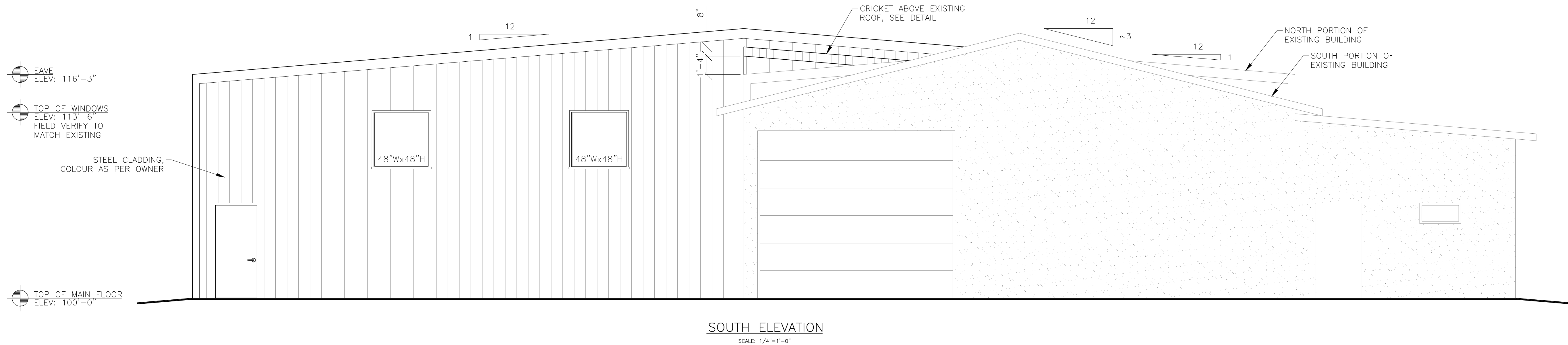
CITY OF MORDEN  
PUBLIC WORKS BUILDING ADDITION - 234 COCHLAN DRIVE, MORDEN, MB

BUILDING ELEVATIONS & ROOF PLAN

DRAWN	M.N.	CHECKED	S.K.	DRAWING #
DESIGN	S.K.	SHEET	2 OF 6	25F148 - BC2

Certificate of Authorization  
Steckley Consulting  
Engineers Inc.  
No. 1432

Member  
40549  
2025-08-14



2	TENDER	2025 08 14
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CITY OF MORDEN  
PUBLIC WORKS BUILDING ADDITION - 234 COCHLAN DRIVE, MORDEN, MB

BUILDING ELEVATIONS & SECTION

DRAWN	M.N.	CHECKED	S.K.	DRAWING #
DESIGN	S.K.	SHEET	3 OF 6	25F148 - BC3





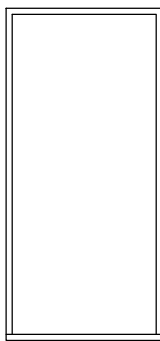
CODE REVIEW				
1.0	PROJECT DESCRIPTION			
1.1	4,800 ft2	MORDEN PUBLIC WORKS STORAGE GARAGE BUILDING ADDITION		
2.0	CODE SUMMARY			
2.1	UNLESS OTHERWISE NOTED, ALL INFORMATION IS TAKEN FROM THE 2024 MANITOBA BUILDING CODE AND 2020 NATIONAL BUILDING CODE.			
2.2	SUMMARY			
	EXISTING BUILDING AREA	924.4 m2	(9,950 ft2)	
	ADDITION BUILDING AREA	445.9 m2	(4,800 ft2)	
	TOTAL BUILDING AREA	1,370.3 m2	(14,750 ft2)	
	BUILDING HEIGHT	1 STOREY WITH EXISTING MEZZANINES		
	FIRE-FIGHTER ACCESS	FACING 1 STREET		
	OCCUPANCY CLASSIFICATION	GROUP F, DIVISION 3		
	GOVERNING ARTICLE	MBC 3.2.2.87		
	PERMITTED CONSTRUCTION TYPE(S)	COMBUSTIBLE OR NON-COMBUSTIBLE		
	SPRINKLERED?	NO		
3.0	OCCUPANT LOAD			
3.1	THE OCCUPANT LOAD FOR THE BUILDING HAS NOT CHANGED WITH THIS BUILDING ADDITION. NO ADDITIONAL WASHROOMS ARE REQUIRED.			
4.0	EXIT DISTANCES			
4.1	THE NEW ADDITION REQUIRES A MINIMUM OF 2 EXITS SINCE ITS AREA EXCEEDS THAT FOUND IN TABLE 3.4.2.1.A			
4.2	THE MAXIMUM EXIT DISTANCE FROM ANY AREA OF THE ADDITION DOES NOT EXCEED 30m (3.4.2.5(1f))			
4.3	NO SUBSTANTIAL CHANGES HAVE BEEN MADE TO THE EXIT DISTANCES OF THE EXISTING BUILDING.			
5.0	LIMITING DISTANCE (3.2.3)			
5.1	EAST WALL			
	LENGTH:HEIGHT RATIO	<10:1, >3:1		
	MAXIMUM COMPARTMENT EXPOSING BUILDING FACE AREA	1,005 ft2	93.4 m2	
	LIMITING DISTANCE	89 ft	27.1 m	
	MAXIMUM ALLOWABLE AREA OF UNPROTECTED OPENINGS	100.0%		
	FIRE RESISTANCE RATING	NONE		
	PERMITTED CONSTRUCTION	COMBUSTIBLE OR NON-COMBUSTIBLE		
	5.2	WEST WALL		
	LENGTH:HEIGHT RATIO	<10:1, >3:1		
	MAXIMUM COMPARTMENT EXPOSING BUILDING FACE AREA	1,005 ft2	93.4 m2	
	LIMITING DISTANCE	162 ft	49.4 m	
	MAXIMUM ALLOWABLE AREA OF UNPROTECTED OPENINGS	100.0%		
	FIRE RESISTANCE RATING	NONE		
	PERMITTED CONSTRUCTION	COMBUSTIBLE OR NON-COMBUSTIBLE		
	5.3	NORTH WALL		
	LENGTH:HEIGHT RATIO	<10:1, >3:1		
	MAXIMUM COMPARTMENT EXPOSING BUILDING FACE AREA	1,460 ft2	135.6 m2	
	LIMITING DISTANCE	55 ft	16.75 m	
	MAXIMUM ALLOWABLE AREA OF UNPROTECTED OPENINGS	100.0%		
	FIRE RESISTANCE RATING	NONE		
	PERMITTED CONSTRUCTION	COMBUSTIBLE OR NON-COMBUSTIBLE		
6.0	FIRE SAFETY			
6.1	PORTABLE EXTINGUISHERS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE LOCAL FIRE CHIEF OR, IN THE ABSENCE OF REGULATIONS REQUIREMENTS OF THE LOCAL FIRE CHIEF, IN ACCORDANCE WITH THE MANITOBA FIRE CODE. (3.2.5.16. 1))			
6.2	ILLUMINATED EXIT SIGNS WITH EMERGENCY LIGHTS SHALL BE PROVIDED ABOVE EXIT DOORS. (3.2.7.3 & 3.4.5)			
6.3	WHERE PART OF THE BUILDING IS OCCUPIED DURING CONSTRUCTION, PROVIDE FIRE SEPARATIONS BETWEEN CONSTRUCTION AREAS AND OCCUPIED AREAS AS REQUIRED BY THE NATIONAL FIRE CODE OF CANADA.			

WINDOW SCHEDULE					
WINDOW #	QTY.	WINDOW SIZE W x H	DESCRIPTION	LOCATION	HEAD HEIGHT
W1	6	4'-0" x 4'-0"	PICTURE	GARAGE	13'-6" A.F.F. FIELD VERIFY TO MATCH EXISTING

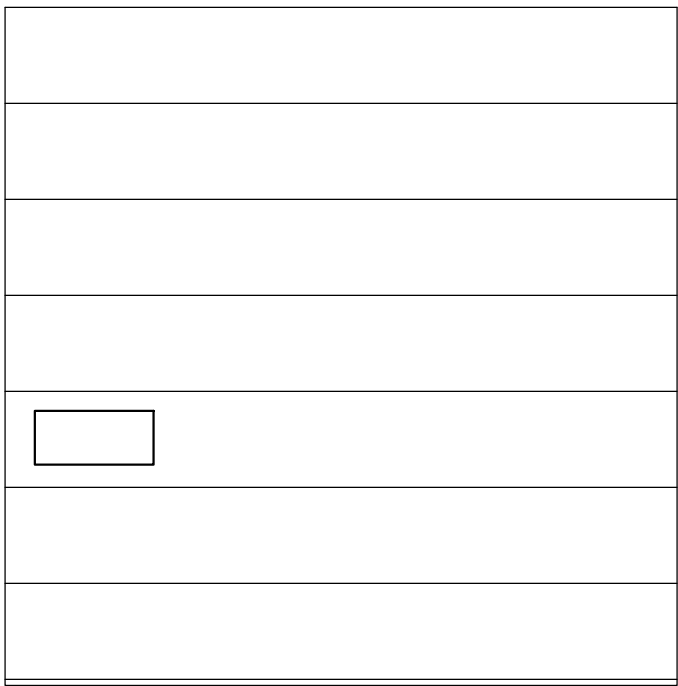
- NOTES:  
1. WINDOWS SHALL BE PVC TRIPLE GLAZED WITH LOW E COATING.  
2. ALL EXTERIOR WINDOWS SHALL HAVE A MAXIMUM U-VALUE OF 2.0 W/m<sup>2</sup>-K.

DOOR SCHEDULE								
DOOR #	LOCATION	TYPE	WIDTH	HEIGHT	DESCRIPTION	FRAME MATERIAL	FIRE RESISTANCE RATING	HARDWARE
MAN DOORS								
D01	SOUTHWEST	A	3'-0"	6'-8"	INSULATED METAL	METAL	—	LEVER HANDLE, LOCKSET & INTERIOR PUSHBAR
D02	NORTHWEST	A	3'-0"	6'-8"	INSULATED METAL	METAL	—	LEVER HANDLE, LOCKSET & INTERIOR PUSHBAR
D03	NORTHEAST	A	3'-0"	6'-8"	INSULATED METAL	METAL	—	LEVER HANDLE, LOCKSET & INTERIOR PUSHBAR
D04	SOUTHEAST	A	3'-0"	6'-8"	INSULATED METAL	METAL	—	LEVER HANDLE, LOCKSET & INTERIOR PUSHBAR
OVERHEAD DOORS								
D05	SOUTHWEST	B	14'-0"	14'-0"	INSULATED METAL	—	—	POWER DOOR OPERATOR
D06	MIDWEST	B	14'-0"	14'-0"	INSULATED METAL	—	—	POWER DOOR OPERATOR
D07	NORTHWEST	B	14'-0"	14'-0"	INSULATED METAL	—	—	POWER DOOR OPERATOR
D08	SOUTHWEST	B	14'-0"	14'-0"	INSULATED METAL	—	—	POWER DOOR OPERATOR
D09	MIDWEST	B	14'-0"	14'-0"	INSULATED METAL	—	—	POWER DOOR OPERATOR
D10	NORTHWEST	B	14'-0"	14'-0"	INSULATED METAL	—	—	POWER DOOR OPERATOR

- NOTES:  
1. EXTERIOR DOORS SHALL BE EQUIPPED WITH PANIC HARDWARE.  
2. ALL DOOR HANDLES SHALL BE LEVER TYPE.  
3. VERIFY LOCK REQUIREMENTS WITH OWNER.  
4. ALL EXTERIOR DOORS SHALL HAVE A MAXIMUM U-VALUE OF 2.0 W/m<sup>2</sup>-K.  
5. VERIFY COLOURS WITH OWNER



DOOR TYPE  
'A'  
(NO WINDOW)



DOOR TYPE  
'B'  
(SINGLE WINDOW TO  
MATCH EXISTING)

2	TENDER	2025 08 14
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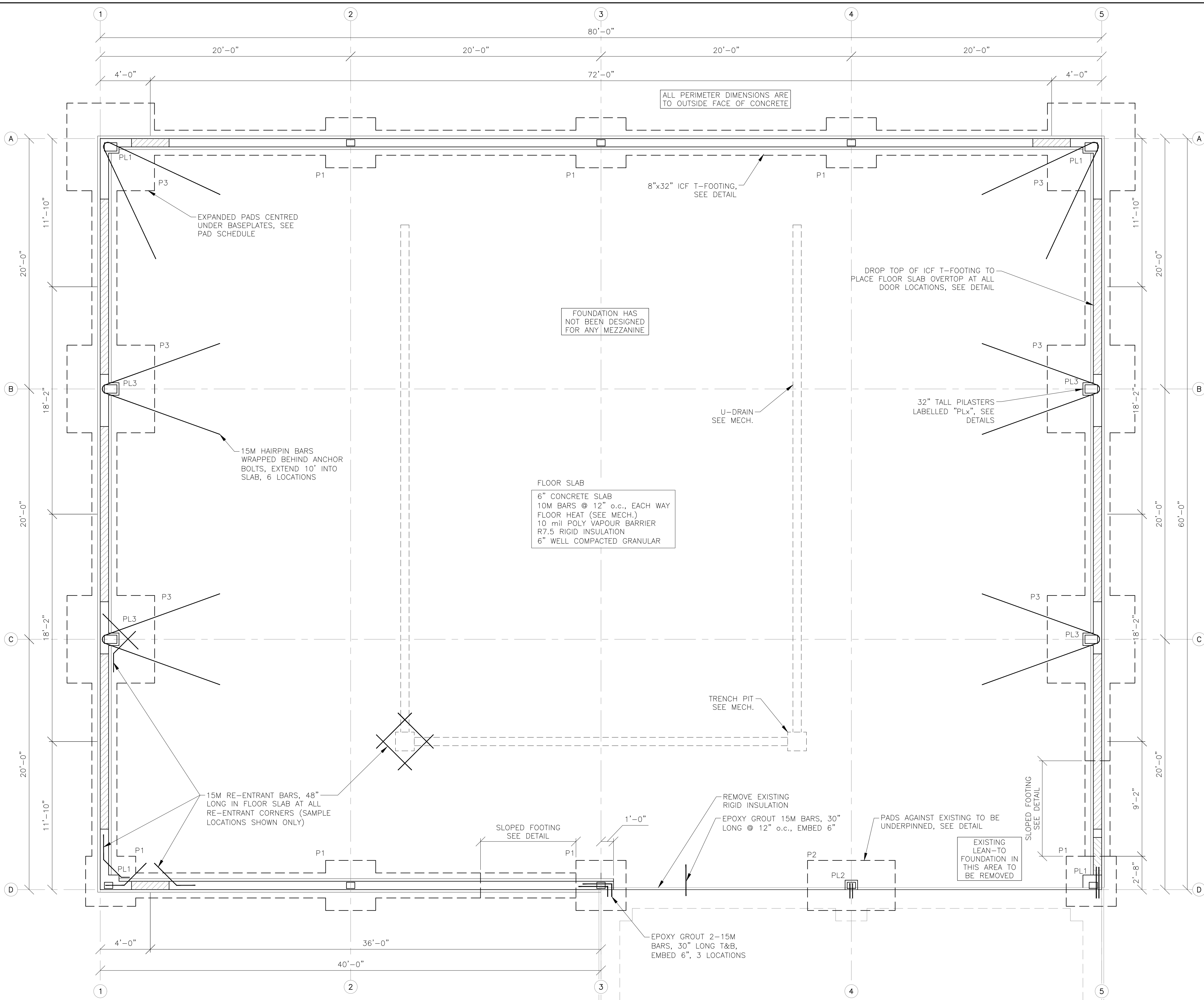


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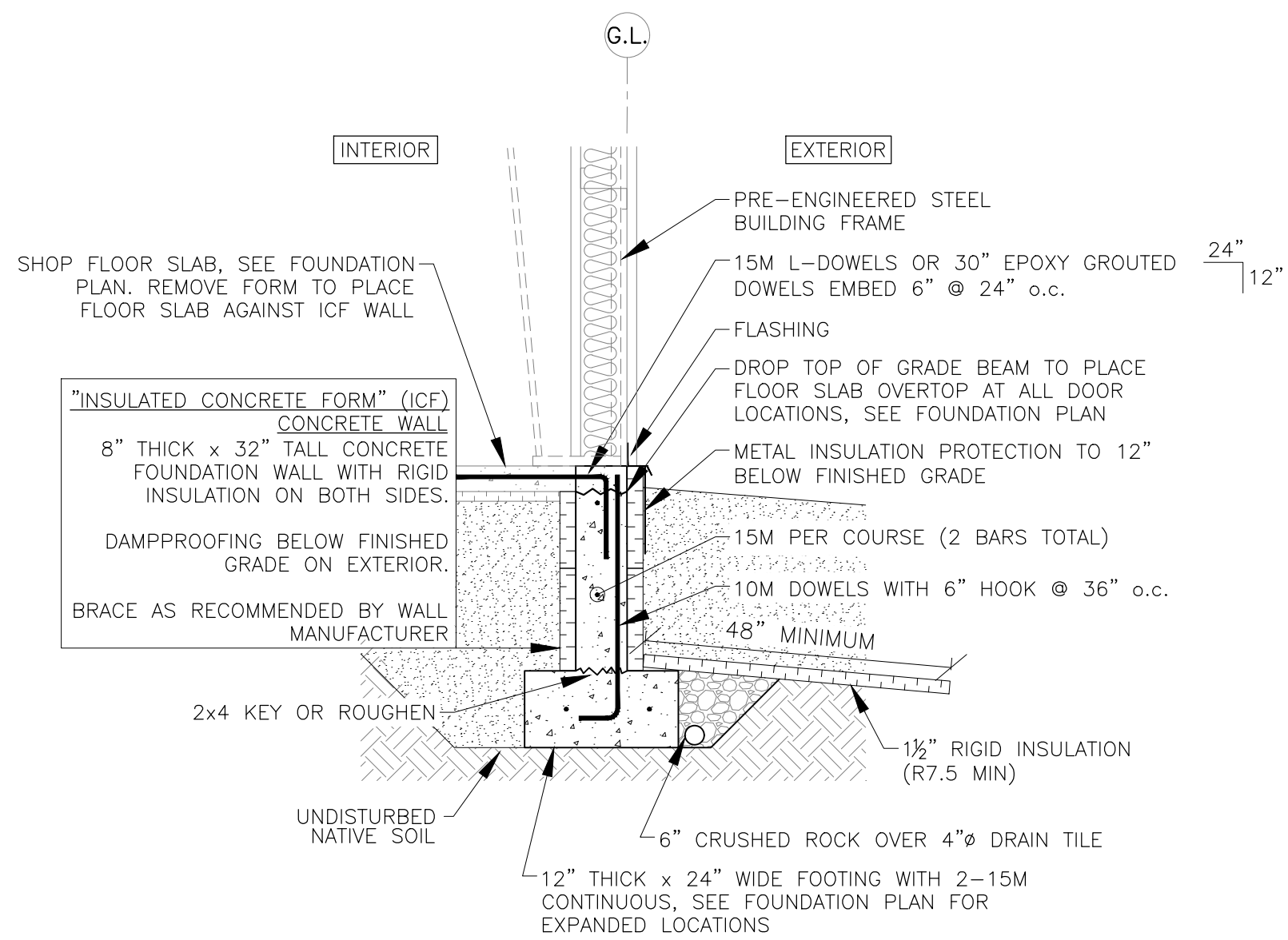
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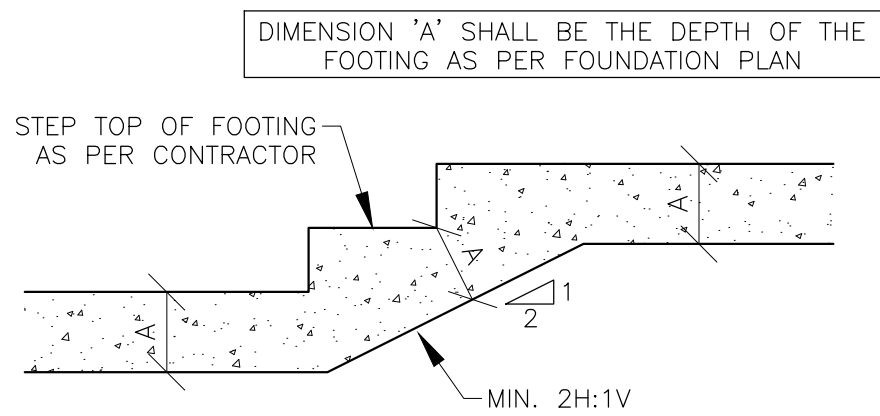
CITY OF MORDEN PUBLIC WORKS BUILDING ADDITION - 234 COCHLAN DRIVE, MORDEN, MB		
CODE REVIEW & SCHEDULES		
DRAWN M.N.	CHECKED S.K.	DRAWING #  25F148 - BC4
DESIGN S.K.	SHEET 4 OF 6	



FOUNDATION PLAN  
SCALE: 1/4"=1'-0"



TYPICAL FOOTING DETAIL  
SCALE: 1/2" = 1'-0"



SLOPED FOOTING DETAIL  
SCALE: 1/2"=1'-0"

PAD SCHEDULE		
LABEL	SIZE	REINFORCEMENT
P1	48"x48"x12"	15M BARS @ 12" o.c., EACH WAY
P2	48"x84"x14"	15M BARS @ 12" o.c., EACH WAY
P3	84"x84"x14"	15M BARS @ 12" o.c., EACH WAY

NOTES:  
1. REINFORCEMENT FOR PADS SHALL HAVE 3" BOTTOM COVER

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CITY OF MORDEN  
PUBLIC WORKS BUILDING ADDITION - 234 COCHLAN DRIVE, MORDEN, MB

FOUNDATION PLAN

DRAWN	M.N.	CHECKED	S.K.	DRAWING #  25F148 - S1
DESIGN	S.K.	SHEET	5 OF 6	





GENERAL NOTES:

DESIGN AND CONSTRUCTION:

- THE 2020 NATIONAL BUILDING CODE OF CANADA, 2024 MANITOBA BUILDING CODE, AND ALL LATEST REVISIONS OR AMENDMENTS, SHALL BE THE BASIS FOR DESIGN AND CONSTRUCTION OF ALL WORK.
- CONTRACTOR AND/OR SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND FIELD CONDITIONS BEFORE CONSTRUCTION OR FABRICATION. SHOULD FIELD CONDITIONS VARY FROM DESIGN DRAWINGS THE ENGINEER SHALL BE NOTIFIED. ENGINEER'S APPROVAL SHALL BE OBTAINED FOR ANY DEVIATION FROM DESIGN DRAWINGS.
- DO NOT SCALE DRAWINGS, REFER TO DIMENSIONS PROVIDED.
- ALL WALL DIMENSIONS TO FACE OF STUD UNLESS NOTED.
- CONTRACTOR SHALL PROVIDE ALL THE NECESSARY TEMPORARY BRACING AND SHORING AS REQUIRED FOR ALIGNMENT, LOADINGS, AND ERECTION STRESSES THE STRUCTURE MAY EXPERIENCE. CONTACT STECKLEY IF ASSISTANCE IS REQUIRED.

SITE:

- THE LOCATIONS OF UTILITIES ARE NOT SHOWN ON THESE DRAWINGS. THE ONUS LIES UPON THE CONTRACTOR TO ASCERTAIN AT HIS OWN EXPENSE THE EXACT LOCATIONS OF EACH UTILITY.
- UNLESS OTHERWISE SPECIFIED ON ENGINEERED LOT GRADING DRAWINGS, EXTERIOR GRADE SHALL BE MINIMUM 6" BELOW FLOOR ELEVATION. EXIT PADS AND EXTERIOR CONCRETE SLABS SHALL MEET THE BUILDING AT THE FLOOR ELEVATION, BUT SHALL BE GRADED AWAY FROM THE BUILDING AT A MINIMUM OF 2.0% FOR AT LEAST 10'.
- PROVIDE DOWNSPOUTS AS REQUIRED. ALL DOWNSPOUTS SHALL HAVE A 4" LEADER OR SPLASH PAD.

FOUNDATION:

- FOUNDATION HAS BEEN DESIGNED FOR A ULS BEARING CAPACITY OF 1700psf (1200 psf SLS CAPACITY). WHERE CAPACITY IS NOT AVAILABLE, CONTACT STECKLEY.
- PROVIDE STEEL BUILDING DRAWINGS TO STECKLEY FOR REVIEW, SEALED BY AN ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA, PRIOR TO COMMENCEMENT OF FOUNDATION CONSTRUCTION

CONCRETE:

- CONCRETE SHALL BE MANUFACTURED AND PLACED IN ACCORDANCE WITH THE LATEST VERSION OF CSA A23.1/23.2 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION/TEST METHODS AND STANDARD PRACTICES FOR CONCRETE".
- THE CONTRACTOR SHALL WORK WITH THE CONCRETE SUPPLIER TO ENSURE THAT THE CONTRACTOR'S CRITERIA FOR CONSTRUCTION AND PLACEMENT AND ENGINEER'S CRITERIA FOR PERFORMANCE ARE MET.
- THE SUPPLIER SHALL PROVIDE CERTIFICATION THAT THE CONCRETE COMPLIES WITH THE PERFORMANCE CRITERIA SPECIFIED.
- PROVIDE CERTIFICATION THAT THE CONCRETE COMPLIES WITH THE REQUIRED STRENGTH, DURABILITY, AND PERFORMANCE REQUIREMENTS SPECIFIED AND OF CSA-A23.1-09.
- UNLESS OTHERWISE NOTED, CONCRETE SHALL BE AS FOLLOWS:

FOOTINGS & FOUNDATION WALLS:

EXPOSURE CLASSIFICATION: S-2  
CEMENT TYPE: HS  
COMPRESSIVE STRENGTH: 32 MPa @ 56 DAYS  
MAXIMUM AGGREGATE SIZE: 20mm (3/4")  
AIR CATEGORY/ENTRAINMENT: 1/5-8%  
CURING TYPE: 2 - ADDITIONAL

INTERIOR FLOOR SLAB:

EXPOSURE CLASSIFICATION: N  
CEMENT TYPE: GU  
COMPRESSIVE STRENGTH: 25 MPa @ 28 DAYS  
MAXIMUM AGGREGATE SIZE: 20mm (3/4")  
AIR CATEGORY/ENTRAINMENT: NONE  
CURING TYPE: 1 - BASIC

- UNLESS OTHERWISE NOTED THE CONTRACTOR SHALL SPECIFY CONCRETE SLUMP APPROPRIATE WITH PLACEMENT METHODS AND SITE CONDITIONS. THE SPECIFIED SLUMP SHALL BE SHOWN ON THE CONCRETE DELIVERY TICKETS.
- UNLESS OTHERWISE NOTED CONCRETE CURING TO CONFORM TO THE LATEST EDITION OF THE CSA-A23.1-09 AS FOLLOWS:  
TYPE 1 - BASIC CURING:  
3 DAYS AT > 10°C OR FOR THE TIME NECESSARY TO ATTAIN 40% OF THE SPECIFIED STRENGTH.  
TYPE 2 - ADDITIONAL CURING:  
7 DAYS TOTAL AT > 10°C AND FOR THE TIME NECESSARY TO ATTAIN 70% OF THE SPECIFIED STRENGTH.  
TYPE 3 - EXTENDED WET CURING:  
A WET CURING PERIOD OF 7 DAYS AT > 10°C.
- COLD WEATHER PROTECTION: CONCRETE CONTRACTOR SHALL HAVE ON HAND ALL MATERIALS AND EQUIPMENT NEEDED FOR ADEQUATE PROTECTION AND CURING IN ACCORDANCE WITH CSA-A23.1 BEFORE CONCRETE PLACEMENT IS STARTED WHERE THE AIR TEMPERATURE WILL BE LESS THAN 5 C WITHIN THE FIRST 72 HOURS OF CURING. MEASURES SHALL INCLUDE A SUITABLE COVERING OR INSULATION FOR FROM 0 TO 5 C AND COVERING PLUS SUPPLEMENTAL HEAT WHEN AIR TEMPERATURE IS EXPECTED TO BE LESS THAN 0 C. SUCH PROTECTION SHALL MAINTAIN THE TEMPERATURE OF THE IN PLACE CONCRETE ABOVE 10 C FOR A MINIMUM OF 3 DAYS.  
HOT WEATHER PROTECTION: COVER SLAB WITH PLASTIC OR BURLAP WITHIN 4 TO 12 HOURS AFTER COMMENCING POUR AND MAINTAIN SLAB IN MOIST COVERED STATE FOR 3 DAYS OR APPLY CURING COMPOUND IN STRICT CONFORMANCE TO MANUFACTURING RECOMMENDATIONS.
- REMOVE ALL SURFACE ORGANICS, TOPSOIL, SOFT OR SPONGY AREAS AND PROOF ROLL SUBGRADE (BELOW FLOOR SLAB). REPLACE WITH A MINIMUM OF 5" WELL COMPACTED GRANULAR MATERIAL. COMPACT IN MAXIMUM 8" LIFTS.
- CONCRETE SHALL BE PLACED IN FORMS WHICH ARE FREE OF STANDING OR FROZEN WATER. ALL PRECAUTIONS SHALL BE TAKEN FOR CONCRETE WHICH IS PLACED DURING COLD OR HOT WEATHER.
- BEARING CONCRETE (I.E. FOOTINGS, THICKENED EDGES, AND INTERIOR SLABS) SHALL NOT BE PLACED WHERE FROST IS PRESENT IN THE GROUND BELOW. ENSURE THAT FROST DOES NOT PENETRATE THE GROUND BELOW AFTER CONCRETE PLACEMENT.
- VAPOUR BARRIER JOINTS TO BE LAPPED MINIMUM 12" AND TAPED. SEAL VAPOUR BARRIER AROUND PERIMETER AND AT ALL PENETRATIONS.
- NOTIFY ENGINEER 48 HOURS PRIOR TO CONCRETE PLACEMENT FOR SITE OBSERVATION.

REINFORCING STEEL:

- REINFORCING STEEL SHALL BE GRADE 400R DEFORMED CARBON STEEL IN ACCORDANCE WITH CSA STANDARD G30.18.
- UNLESS OTHERWISE NOTED, CONCRETE COVER FOR STEEL REINFORCEMENT SHALL BE:  
FOUNDATION - 2" WHERE FORMED AND 3" WHERE CAST AGAINST EARTH  
SLAB ON GRADE - 1 1/2" COVER FROM TOP
- PROVIDE CORNER BARS AND LAP VERTICAL AND HORIZONTAL REINFORCING BARS AS FOLLOWS UNLESS OTHERWISE NOTED:  
10M - 15" 15M - 24" 20M - 30" 25M - 40"
- PROVIDE BAR SUPPORTS (I.E. CHAIRS) FOR SLAB ON GRADE REINFORCING.
- RECOMMENDED TO PROVIDE REBAR SHOP DRAWINGS TO STECKLEY FOR REVIEW PRIOR TO ORDERING REBAR.

INSULATION:

- INSULATION IN CONTACT WITH THE GROUND SHALL BE INERT TO THE ACTION OF SOIL AND WATER AND SHALL BE SUCH THAT ITS INSULATIVE PROPERTIES ARE NOT SIGNIFICANTLY REDUCED BY MOISTURE.

STRUCTURAL STEEL:

- STEEL ASSEMBLIES SHALL BE MANUFACTURED AND ERECTED IN CONFORMANCE WITH THE LATEST VERSION OF CSA S16, "DESIGN OF STEEL STRUCTURES".
- STEEL FABRICATOR SHALL VERIFY ALL DIMENSIONS AND FIELD CONDITIONS BEFORE FABRICATION. SHOULD FIELD CONDITIONS VARY FROM DESIGN DRAWINGS THE ENGINEER SHALL BE NOTIFIED.
- ALL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:  
3.1. W-SHAPES & CHANNELS CSA G40.21-350W (Fy=50 ksi)  
3.2. HSS CSA G40.21 CLASS C 350W (Fy=50 ksi) OR ASTM A500 GRADE C  
3.3. ANGLES & PLATES G40.21-300W (Fy=44ksi)  
3.4. BOLTS ASTM A325.  
3.5. ANCHOR RODS CSA G40.21 300W OR ASTM F 1554 GRADE 36.
- ALL STRUCTURAL STEEL SHALL HAVE A PRIME COAT OF RUST INHIBITIVE METAL PAINT IN CONFORMANCE TO CAN/COSB-1.40-97. DO NOT PAINT STEEL SURFACES IN CONTACT WITH CONCRETE.
- WELDING WHERE CALLED FOR SHALL CONFORM TO CSA W47.1 AND W59 AND SHALL DEVELOP THE FULL STRENGTH OF MEMBER WHERE LOADS ARE NOT SHOWN, USE E70XX ELECTRODES. ALL WELDS MUST HAVE END RETURNS IN ACCORDANCE TO CSA S16.
- PROVIDE STEEL BUILDING DRAWINGS TO STECKLEY FOR REVIEW, SEALED BY AN ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA, PRIOR TO COMMENCEMENT OF FOUNDATION CONSTRUCTION.

COLD FORMED STEEL FRAMING:

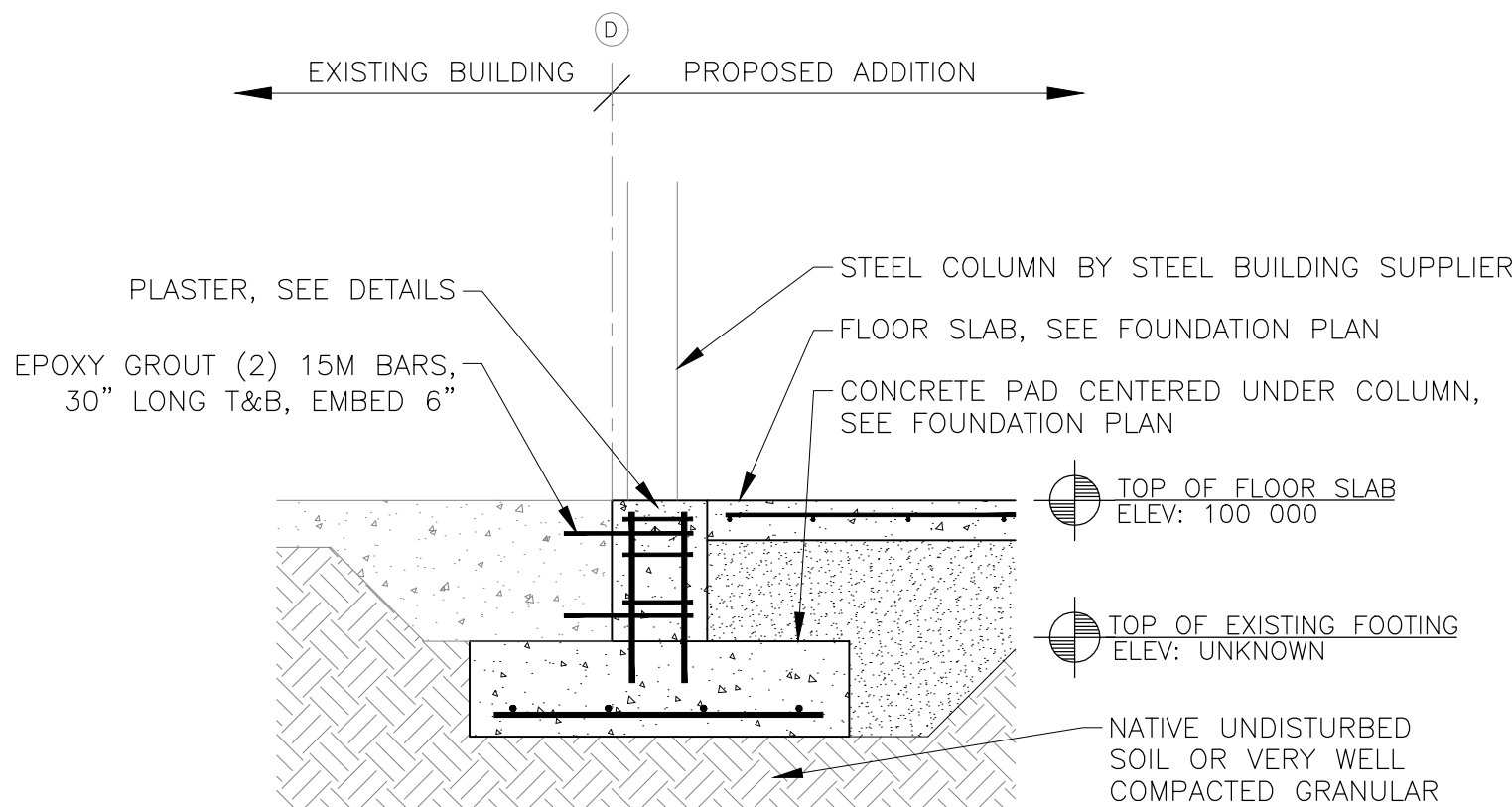
- COLD FORMED STEEL SHALL BE MANUFACTURED AND ERECTED IN CONFORMANCE WITH THE LATEST VERSION OF CSA S136-16, "NORTH AMERICA SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" AND ASTM A446, "STANDARD SPECIFICATION FOR SHEET STEEL, ZINC COATED (GALVANIZED) BY THE HOT DIP PROCESS."
- STUD GRADES SHALL BE AS FOLLOWS:  
GRADE A, 33 ksi (228 MPa) MIN. YIELD, FOR 0.048" (1.22mm) MATERIAL AND THINNER  
GRADE D, 50 ksi (345 MPa) MIN. YIELD, FOR 0.060" (1.52mm) MATERIAL AND THICKER
- PROVIDE SHOP DRAWINGS FOR STEEL STUDS & CONNECTIONS TO STECKLEY FOR REVIEW, SEALED BY AN ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA.

WOOD FRAMING:

- WOOD CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST VERSION OF CSA O86, "ENGINEERING DESIGN IN WOOD".
- DIMENSIONAL LUMBER SHALL BE GRADE No. 1/2 S.P.F OR BETTER.
- NAILS SHALL BE 10d COMMON WIRE NAILS.
- WOOD TO WOOD CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- NOTIFY ENGINEER FOR FRAMING SITE OBSERVATION 48 HOURS PRIOR TO PLACING ANY DRYWALL.

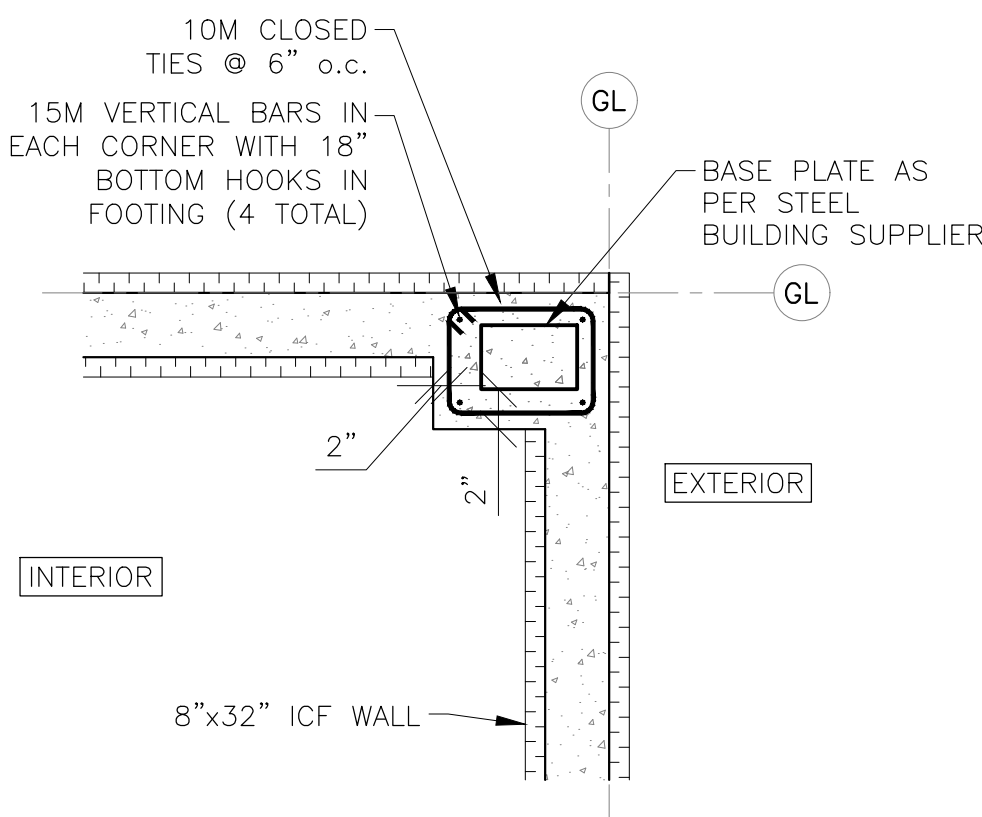
DESIGN LOADS:

- ROOF  
SNOW 42 psf  
DEAD 15 psf
- WIND  
2.1.  $q_{so}$  0.52 kPa.  
2.2.  $C_e$  0.9 (OPEN TERRAIN)  
2.3.  $C_t$  1.0  
2.4.  $C_{pi}$  -0.45 TO 0.3 (CATEGORY 2)
- SEISMIC  
3.1.  $S_a(0.2)$  = 0.103  
3.2.  $S_a(0.5)$  = 0.095  
3.3.  $S_a(1.0)$  = 0.050  
3.4.  $S_a(2.0)$  = 0.021  
3.5. SOIL SITE CLASS = D
- IMPORTANCE CATEGORY FOR ENVIRONMENTAL LOADS = NORMAL.
- DESIGN LOADS ARE NOT TO BE EXCEEDED DURING CONSTRUCTION.



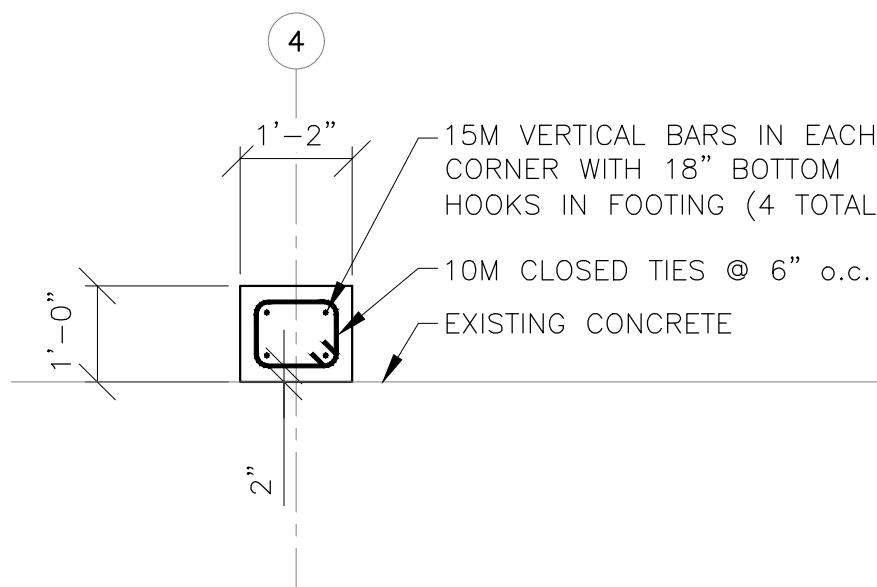
UNDERPINNING DETAIL

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



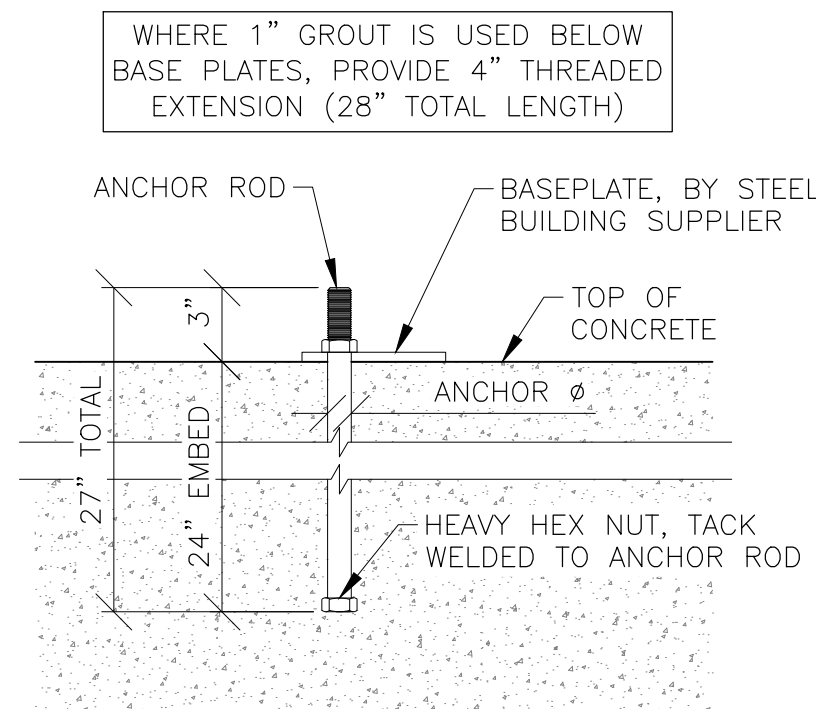
PILASTER #1 DETAIL

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



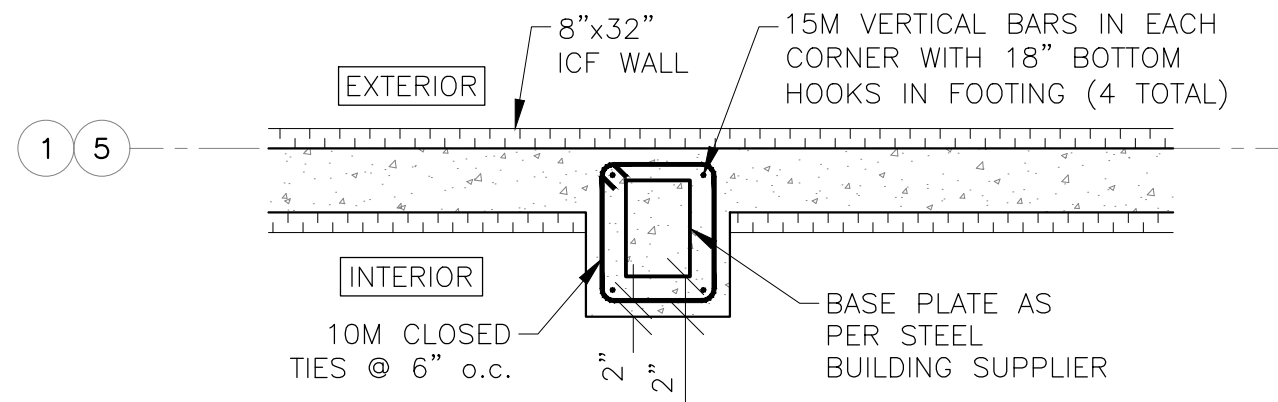
PILASTER #2 DETAIL

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



TYPICAL ANCHOR ROD DETAIL

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



PILASTER #3 DETAIL

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

2	TENDER	2025 08 14
1	CLIENT'S REVIEW	2025 06 06
0	CLIENT'S REVIEW	2025 04 30
REVISION	ISSUED FOR	DATE



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CITY OF MORDEN  
PUBLIC WORKS BUILDING ADDITION - 234 COCHLAN DRIVE, MORDEN, MB

GENERAL NOTES & FOUNDATION DETAILS

DRAWN	M.N.	CHECKED	S.K.	DRAWING #
DESIGN	S.K.	SHEET	6 OF 6	25F148 - S2

