

ADDENDUM No. 2

The Municipality of Central Manitoulin Public Works Garage Repairs TULLOCH Project 240701

Time & Date of Distribution: 3:00pm Thursday, July 4, 2024

- Items:**
1. See attached revised drawing set.
 2. Site reference photos relating to the relocation of the door within the Implement Storage Area are attached for reference.
 3. The tender closing date is extended to Thursday, July 11th, 2024. All other details related to the tender closing remain the same.

Please sign this page and fax or email to TULLOCH Engineering Inc. (705) 949-9606 or meagan.figures@tulloch.ca immediately to indicate receipt of this document.

Company Name: _____

Received by (PRINT NAME): _____

Signed: _____ Date: _____

24-0701 Addendum #2

MUNICIPALITY OF CENTRAL MANITOULIN PUBLIC WORKS GARAGE REPAIRS

7 LAKESHORE ROAD,
MINDEMOYA, ONTARIO



CLIENT
MUNICIPALITY OF CENTRAL MANITOULIN
P.O. BOX 420
MINDEMOYA, ONTARIO
P0P 1S0
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PROJECT No. 24-0701

PRIME CONSULTANT
TULLOCH ENGINEERING INC.
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| LIST OF DRAWINGS | | |
|------------------|---|------|
| DRAWING No. | DRAWING DESCRIPTION | REV. |
| GENERAL | | |
| G1 | GENERAL NOTES | 0 |
| G2 | GENERAL NOTES | 1 |
| G3 | PHOTOS | 0 |
| G4 | PHOTOS | 0 |
| STRUCTURAL | | |
| S1 | PLAN - EXISTING CONDITIONS | 1 |
| S2 | SECTION - EXISTING CONDITIONS | 0 |
| S3 | TEMPORARY SUPPORT - PLAN, SECTION AND DETAILS | 1 |
| S4 | CROSS-SECTIONS | 0 |
| S5 | CROSS-BRACING SECTION AND DETAILS | 0 |
| S6 | IMPLEMENT STORAGE - ENLARGED PLAN AND SECTION | 1 |
| S7 | BEAM SUPPORT SECTION | 0 |
| | | |
| | | |
| | | |

ADDENDUM 1, REVISION 1 - GENERAL REVISIONS
JULY 4, 2024

P:\2024\240701 Municipality of Central Manitoulin - Public Works Garage Repairs\Structural\04 Drawings\04.02 Current\24-0701 - Mindemoya Public Works Garage - 070424.dwg

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE ONTARIO BUILDING CODE, LATEST EDITION.
- CONTRACTOR TO CHECK FOR ALL UNDERGROUND SERVICES LOCATIONS PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SERVICES.
- BEFORE PROCEEDING WITH WORK, CHECK ALL DIMENSIONS AND REPORT ANY DISCREPANCIES.
- DO NOT SCALE THESE DRAWINGS.
- TYPICAL STRUCTURAL DETAILS SHOWN ON THE DRAWINGS SHALL GOVERN THE WORK. IF DETAILS ON OTHER DRAWINGS CONFLICT THE MOST STRINGENT SHALL GOVERN.
- STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.
- CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR DESIGN, ERECTION AND REMOVAL OF TEMPORARY WORKS.
- PROVIDE TEMPORARY BRACING, SUPPORTS AND/OR OTHER INSTALLATIONS NECESSARY TO MAINTAIN PLUMBNESS, TRUE, ALIGNMENT AND STABILITY OF THE STRUCTURE AND ALL OF ITS PARTS THROUGHOUT ALL ERECTION STAGES.
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND MEASUREMENTS AT THE SITE AND REPORT TO THE ENGINEER FOR ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSE AFFECT ON PROPER COMPLETION OF THE JOB BEFORE PROCEEDING WITH THE WORK.
- CONTRACTOR WILL BE RESPONSIBLE FOR ANY FIELD FIT MODIFICATIONS DUE TO ERROR OR OMISSIONS IN PREFABRICATED COMPONENTS OR MATERIALS.
- IT IS THE ULTIMATE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS ARE OBTAINED, PAID FOR & POSTED PRIOR TO PROCEEDING WITH CONSTRUCTION. THESE PERMITS/APPROVALS MAY INCLUDE (BUT ARE NOT NECESSARILY LIMITED TO):
 - MUNICIPAL BUILDING DEPARTMENT PERMIT TO CONSTRUCT (MULTIPLE PERMITS MAY BE REQUIRED)
 - ELECTRICAL SAFETY AUTHORITY (ESA) PERMIT
 - TSSA PERMITS

STEEL

- STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-S16-14.
- STRUCTURAL STEEL SHALL BE NEW G40.21 350W MATERIAL UNLESS NOTED OTHERWISE.
- HOLLOW STRUCTURAL SECTIONS SHALL BE ASTM A500 GRADE C OR G40.21 350W CLASS C MATERIAL UNLESS NOTED OTHERWISE.
- CHANNELS, ANGLES AND PLATES TO BE G40.21-300W MATERIAL UNLESS NOTED OTHERWISE.
- WELDING TO CSA W59 WELDED STEEL CONSTRUCTION, LATEST EDITION.
- FABRICATOR SHALL BE CERTIFIED ACCORDING TO CSA STANDARD W47.1 DIVISION 1 OR 2, LATEST EDITION.
- BOLTED CONNECTIONS TO BE ASTM F3125 GRADE A325 HIGH STRENGTH, UNLESS NOTED OTHERWISE.
- IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE WASHERS, HEX NUTS, ETC., OF SIMILAR MATERIAL AS THE SPECIFIED BOLT/ANCHOR BOLT/THREADED ROD FOR ALL NOTED CONNECTIONS.
- BOLTS SHALL BE TIGHTENED USING SNUG TIGHT METHOD AS SPECIFIED IN CAN/CSA S16-14.
- NO DRILLING OR CUTTING AFTER FABRICATION OF STRUCTURAL STEEL UNLESS APPROVED BY THE ENGINEER.
- SURFACES TO BE WELDED SHALL BE THOROUGHLY CLEANED OF ALL FOREIGN MATER.
- ALL JOINTS SHALL BE WELDED USING E49XX LOW HYDROGEN CONTENT ELECTRODES.
- ALL WELDS TO BE CONTINUOUS ALL AROUND PART TO BE WELDED. MAXIMUM SIZE WELD FOR MATERIAL.
- (UNLESS NOTED OTHERWISE ON DRAWINGS.)
- GRIND SMOOTH ALL ROUGH EDGES PRIOR TO APPLYING COATINGS.
- ALL COPEES TO HAVE A MIN. 1/2" RADIUS U.N.O.
- FABRICATOR TO INCLUDE FOR ALL COSTS ASSOCIATED WITH WELD INSPECTION OF FIELD WELDS. VISUAL WELDING INSPECTION OF ALL FIELD WELDED COMPONENTS TO BE IN ACCORDANCE WITH THE CANADIAN WELDING BUREAU (CWB) STANDARDS.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL SHOP DRAWINGS AS MAY BE REQUIRED FOR THE FABRICATION OF STEEL ELEMENTS. SHOP DRAWINGS SHALL BE PREPARED AND SEALED BY A PROFESSIONAL ENGINEER, LICENSED IN THE PROVINCE OF ONTARIO. CARRY ALL COSTS ASSOCIATED WITH ATTENDING THE SITE TO COMPLETE DETAILED MEASUREMENTS AS MAY BE REQUIRED FOR THE PREPARATION OF THE SHOP DRAWINGS. MAKE ALLOWANCES FOR ALL MISCELLANEOUS STEEL AS MAY BE REQUIRED FOR THE SUCCESSFUL INSTALLATION OF THE WORKS, WHETHER SHOWN ON THIS DRAWING SET OR NOT.

SURFACE PREPARATION AND COATINGS

- STRUCTURAL STEEL TO BE PAINTED SHALL BE CLEANED TO SSPC-SP6, SHOP OR COMMERCIAL POWER TOOL CLEANED, PRIOR TO PAINTING. (OR HIGHER SURFACE PREP. STANDARD)
- ALL STEEL TO RECEIVE MINIMUM 1 COAT UNIVERSAL PRIMER OR APPROVED EQUAL.
- ALL COLUMNS AND CROSS-BRACING SHALL RECEIVE ONE COAT OF EPOXY BASED PAINT. AMERLOCK 2 HIGH SOLIDS OR EQUAL.
- CONTRACTOR TO TOUCH UP ALL AFFECTED PAINT IN THE FIELD (SCRATCHES, FIELD BOLTED CONNECTIONS, ETC.)

CONCRETE

- CONCRETE IS SPECIFIED USING ALTERNATIVE NUMBER OF CSA A23.1 TABLE 2 AS FOLLOWS:

| PARAMETER | INTERIOR FLOOR SLAB/FOOTING |
|-------------------------------------|-----------------------------|
| EXPOSED CLASS (TABLE 1) | N |
| AIR CONTENT (TABLE 4) | N/A |
| MAX W/C RATIO (TABLE 2) | 0.55 |
| CURING TYPE (TABLE 20) | 3 |
| MIN. COMPRESSIVE STRENGTH @ 28 DAYS | 30 MPa |

- AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF CONCRETE THE CONTRACTOR SHALL SUBMIT THE FOLLOWING TO THE ENGINEER FOR REVIEW:
 - A VALID 'CERTIFICATE OF READY MIXED CONCRETE PRODUCTION FACILITIES' OR A VALID 'CERTIFICATE OF MOBILE MIX CONCRETE PRODUCTION FACILITIES' AS ISSUED BY THE 'READY MIXED CONCRETE ASSOCIATION OF ONTARIO' TO THE PLANT BEING USED.
 - A COMPLETED 'CONCRETE MIXED DESIGN SUBMISSION FORM'
 - A QUALITY PLAN THAT DESIGNATES A SPECIFIED SLUMP OR SOME OTHER MEASURE OF WORKMANSHIP
 - TEST RESULTS TO SHOW COMPLIANCE WITH CSA A23.1
 - AIR VOID SYSTEM OF HARDENED CONCRETE.
 - STATISTICAL STRENGTH TEST ANALYSIS TO CONFIRM THE STRENGTH LEVEL FOR EACH CLASS OF CONCRETE INCLUDING THE EXPECTED 7/28 DAY STRENGTH RATIO
- FABRICATION AND PLACEMENT OF REINFORCING STEEL TO BE IN ACCORDANCE WITH CSA A23.1 AND THE REINFORCING STEEL INSTITUTE OF CANADA'S 'REINFORCING STEEL MANUAL OF STANDARD PRACTICE'.
- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO CSA G30.18 M92, Fy=400 MPa (GRADE 400)
- CONCRETE SHALL NOT BE POURED UNTIL REBAR HAS BEEN INSPECTED BY THE ENGINEER.
- WHERE REBARS JOIN AT CORNERS PROVIDE CORNER BARS FOR LAPS. 2' (600mm)
- CONCRETE COVER FOR REINFORCING STEEL AS PER TABLE 17 OF CSA A23.1
 - ALL CONCRETE CAST AGAINST EARTH 3"
 - ALL CONCRETE CAST IN FORMS BUT EXPOSED TO EARTH OR WEATHER 2"
 - BARS 20M AND SMALLER IN WALLS AND SLABS 1 1/4"
 - CONCRETE NOT EXPOSED TO EARTH AND WEATHER 1" OR 1.5 NOMINAL BAR DIAMETER
- ALL REINFORCING BARS SHALL BE ACCURATELY PLACED AND ADEQUATELY SUPPORTED BY PRECAST CONCRETE, ADDITIONAL BARS, STIRRUPS, TIES OR APPROVED CHAIRS AGAINST DISPLACEMENT.
- CONTINUOUS AND TEMPERATURE REINFORCING BARS SPLICES TO BE LAPPED 40 BAR DIAMETERS OR A MINIMUM OF 12" AT SPLICES AND CORNERS, UNLESS OTHERWISE SHOWN ON SECTION OR TYPICAL DETAILS. LAP CONTINUOUS TOP BARS AT CENTRE BETWEEN SUPPORTS AND CONTINUOUS BOTTOM BARS AT SUPPORTS. AS REQUIRED, TERMINATE CONTINUOUS BARS AT NON CONTINUOUS ENDS WITH STANDARD HOOKS.
- PROVIDE DOWELS FROM FOOTING AND/OR CAPS TO CONCRETE WALLS, PIERS AND COLUMNS SIMILAR IN NUMBER, SIZE AND SPACING TO THE VERTICAL STEEL IN WALLS, PIERS AND COLUMNS UNLESS NOTED OTHERWISE.
- CONSTRUCTION JOINTS: SLAB CONSTRUCTION JOINTS MAY BE MADE ONLY AT APPROVED LOCATIONS SHOWN OR AS DIRECTED BY THE ARCHITECT OR ENGINEER.
- KEYS AT CONSTRUCTION JOINTS SHALL BE 2x4 UNLESS NOTED OTHERWISE.
- 100% GU CEMENT IS ACCEPTABLE FOR CONCRETE FOUNDATIONS AND SLAB.

WOOD FRAMING

- ALL WOOD FRAMING MEMBERS SHALL BE SPRUCE-PINE-FIR (SPF) NO.2 CONSTRUCTION GRADE OR BETTER.
- ALL WOOD FRAMING MEMBERS SHALL BE S-DRY (SURFACE DRY).
- ALL FASTENERS FOR STUD WALLS TO BE 3 1/2" ARDOX NAILS.
- WOOD BOLTS: ASTM A307
- LAG SCREWS: ANSI/ASME B18.12.1. MACHINE THREADED (NOT CAST-THREADED). PREDRILL PRIOR TO LAG SCREW INSTALLATIONS.
- UNLESS NOTED OTHERWISE, ALL WOOD FRAMING DETAILS TO BE IN ACCORDANCE WITH PART 9 OF THE ONTARIO BUILDING CODE. APPLY THE MOST STRINGENT.
- PLYWOOD SHEATHING: CSA 0121 DOUGLAS FIR
- INSTALL ALL SHEATHING AT RIGHT ANGLES TO FRAMING MEMBERS COMPLETE WITH STAGGERED JOINTS.

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| PROJECT: | | ISSUED FOR TENDER | | PROJECT No.: | | REVISION No. | |
| 0 | | C.M. | | 24-0701 | | G1 0 | |
| JUN 14, 2024 | | BY | | DRAWING No. | | | |
| DATE | | C.M. | | D.M. | | APR. 16, 2024 | |
| No. | | DESIGNED BY: | | Z.P. | | SCALE: | |
| C.M. | | Z.P. | | As Noted | | ENGINEER'S SEAL | |
| MUNICIPALITY OF CENTRAL MANITOULIN PUBLIC WORKS GARAGE REPAIRS 7 LAKESHORE DRIVE, MINDEMOYA, ON | | | | GENERAL NOTES | | | |
| TULLOCH | | | | | | | |

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ANCHOR RODS

1. ALL ANCHOR RODS, NUTS AND WASHERS CONFORMING TO ASTM A307 GRADE C (HOT DIPPED GALVANIZED)
2. ANCHORS TO BE INSTALLED USING HILTI HIT-HY 200-R V3 ADHESIVE
3. EPOXY ADHESIVE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

CEMENTITIOUS GROUT

1. CEMENTITIOUS GROUT UNDER BASE PLATES TO BE SIKAGROUT 212 OR APPROVED EQUAL.

DESIGNATED SUBSTANCES

1. REFER TO DESIGNATED SUBSTANCES AND HAZARDOUS MATERIALS ASSESSMENT REPORT IN THE TENDER DOCUMENT.

TEMPORARY SHORING

1. ALL WOOD PROVIDED FOR TEMPORARY SHORING SHALL BE TURNED OVER TO THE CLIENT AT THE COMPLETION OF THE PROJECT.

STORAGE DURING CONSTRUCTION

1. CONTRACTOR SHALL BE RESPONSIBLE TO CAREFUL REMOVE ALL ITEMS THAT MAY IMPACT CONSTRUCTION. BE RESPONSIBLE TO PROVIDE SECURE STORAGE ON SITE AND ENSURE THE CLIENT HAS ACCESS AT ALL TIMES.

MECHANICAL/ELECTRICAL

1. CONTRACTOR SHALL COMPLETE A DETAILED REVIEW OF THE SITE, PRIOR TO SUBMITTING A TENDER FOR THIS WORK. BE RESPONSIBLE FOR THE CAREFUL REMOVAL, STORAGE AND REINSTALLATION OF ALL MECHANICAL/ELECTRICAL ITEMS WHICH MAY INTERFERE WITH CONSTRUCTION. MAKE ALLOWANCES FOR ANY REQUIREMENTS NEEDED FOR THE SUCCESSFUL REINSTALLATION OF THE EXISTING EQUIPMENT, AS MAY BE REQUIRED TO SATISFY APPLICABLE CODES, STANDARDS OR AUTHORITIES HAVING JURISDICTION. NO EXTRAS WILL BE PAID FOR ANY UPGRADES/REPAIRS NOT INCLUDED FOR AT THE TIME OF THE TENDER.
2. INCLUDED WITHIN THE PROJECT SCOPE OF WORK IS THE TEMPORARY REMOVAL AND INSTALLATION OF THE OIL FIRED FURNACE WITHIN THE SHOP AREA, AS MAY BE REQUIRED TO INSTALL THE TEMPORARY SHORING.
3. PRIOR TO COMMENCEMENT OF MECHANICAL OR ELECTRICAL REMOVALS, THE CONTRACTOR SHALL BE RESPONSIBLE TO DOCUMENT THE CONDITION OF ALL EXISTING MECHANICAL AND ELECTRICAL AFFECTED ITEMS TO BE REMOVED. THIS FIELD REVIEW AND DOCUMENTATION SHALL BE CONDUCTED IN THE PRESENCE OF THE CLIENT.

FLOOR PATCHING

1. AT THE COMPLETION OF CONSTRUCTION, REMOVE ALL FASTENERS INSTALLED FOR TEMPORARY SHORING. PATCH ALL HOLES WITH CEMENTITIOUS REPAIR MORTAR AND LEAVE A SMOOTH, FLUSH SURFACE.

TEMPORARY HOARDING

1. CONTRACTOR SHALL PROVIDE 6MIL POLY, SECURED TO THE FLOOR AND ROOF TO DELINEATE ALL AREAS OF CONSTRUCTION AND TO MITIGATE THE MIGRATION OF DUST THROUGHOUT THE REMAINDER OF THE BUILDING.

BUILDING ACCESS DURING CONSTRUCTION

1. CONTRACTOR SHALL INCLUDE ALL REQUIRE BARRICADES AND OR SIGNAGE AS REQUIRED TO PERMIT THE CLIENT TO OCCUPY AREAS OF THE BUILDING NOT IMPACTED BY CONSTRUCTION.
2. ENSURE CLIENT IS PROVIDED WITH UNOBSTRUCTED ACCESS TO THE WASHROOM AT ALL TIMES DURING CONSTRUCTION.

INTUMESCENT COATING

1. ALL EXPOSED SPRAY FOAM INSULATION IN THE IMPLEMENT STORAGE AREA AND GARAGE AREA SHALL RECEIVE ONE (1) COAT OF INTUMESCENT PAINT.
 - PAINT TO BE DC315 FIREPROOF PAINT (BY INTERNATIONAL FIREPROOF TECHNOLOGY INC.) OR APPROVED EQUAL
 - INSTALL PAINT AS PER MANUFACTURER'S RECOMMENDATIONS.
 - BE RESPONSIBLE TO CLEAN/SURFACE PREPARE THE EXISTING SPRAY FOAM TO RECEIVE THE INTUMESCENT PAINT, AS MAY BE SPECIFIED BY THE MANUFACTURER.

WORK SITE PROTECTION AND CLEAN UP

1. ENSURE THAT APPROPRIATE BARRIERS (PLYWOOD SHEATHING, TARPS, ETC.) ARE IN PLACE TO PROTECT BUILDING COMPONENTS/FINISHES FROM DAMAGE DURING CONSTRUCTION.
2. ENSURE APPROPRIATE GUARDS ARE IN PLACE TO PREVENT CONSTRUCTION DEBRIS FROM FALLING AGAINST WINDOWS AND DOORS.
3. CONDUCT DAILY CLEANUP OF THE WORK SITE TO ENSURE THAT ALL CONSTRUCTION DEBRIS (INCLUDING DUST, CONCRETE, PAINT) IS MANAGED PROPERLY.
4. AT THE COMPLETION OF THE WORK, CLEAN ALL CEILING AND WALL SURFACES OF THE BUILDING (INCLUDING WINDOWS, DOORS) THAT HAVE BEEN AFFECTED BY CONSTRUCTION, TO THE SATISFACTION OF THE CONSULTANT.
5. AT THE COMPLETION OF THE WORK, ENSURE THAT THE PROPERTY (PARKING LOTS, GRASSED AREAS, OTHER LANDSCAPED AREAS, ETC.) ARE REPAIRED TO A PRE-CONSTRUCTION CONDITION.
6. ALL CLEANUP SHALL BE TO THE SATISFACTION OF THE CONSULTANT.


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| PROJECT: | | ISSUED FOR ADDENDUM 1 | | ISSUED FOR TENDER | | ISSUES / REVISIONS | | PROJECT No. : | | REVISION No. | |
| 1 | | JUL 04, 2024 | | 0 | | No. | | 24-0701 | | G2 1 | |
| 0 | | JUN 14, 2024 | | DATE | | BY | | DRAWING No. | | DATE | |
| DRAWN BY: | | C.M. | | DESIGNED BY: | | Z.P. | | APPROVED BY: | | DATE | |
| CHECKED BY: | | D.M. | | SCALE: | | As Noted | | APR. 16, 2024 | | | |
| <p style="text-align: center;">MUNICIPALITY OF CENTRAL MANITOULIN PUBLIC WORKS GARAGE REPAIRS 7 LAKESHORE DRIVE, MINDEMOYA, ON</p> | | | | | | | | | | <p style="text-align: center;">ENGINEER'S SEAL</p> | |
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PHOTO 1
TYPICAL WOOD COLUMN



PHOTO 2
TYPICAL WOOD COLUMN TO BEAM CONNECTION



PHOTO 3
WARPED WOOD COLUMN AT BEAM CONNECTION



PHOTO 4
4-PLY BEAM OVER-HANGING WOOD COLUMN

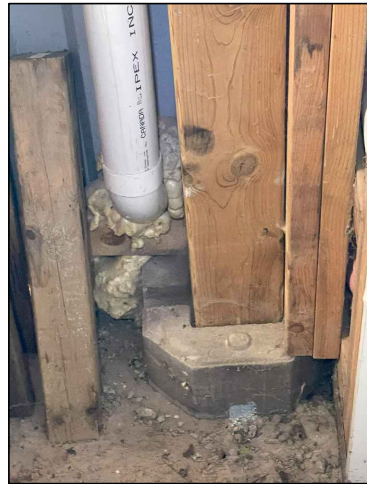


PHOTO 5
CONCRETE BLOCK AT BASE OF WOOD COLUMN IN
NORTHWEST CORNER OF IMPLEMENT STORAGE ROOM



PHOTO 6
BUILT-UP BEAM - JOINTS NOT SUPPORTED BY COLUMN



PHOTO 7
BUILT-UP BEAM, JOINTS NOT SUPPORTED BY COLUMN

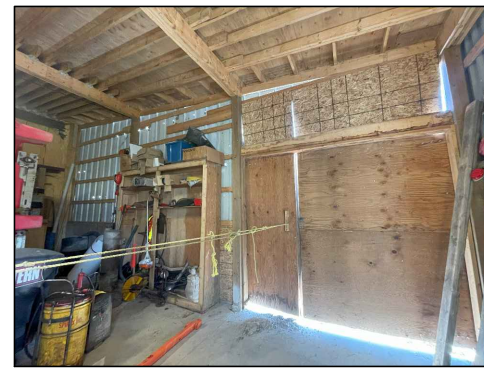


PHOTO 8
IMPLEMENT STORAGE ROOM, LOOKING SOUTH

PROJECT:

**MUNICIPALITY OF CENTRAL MANITOULIN
PUBLIC WORKS GARAGE REPAIRS
7 LAKESHORE DRIVE, MINDEMOYA, ON**

DRAWING:

PHOTOS



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| ISSUED FOR TENDER | | ISSUES / REVISIONS | | PROJECT No. : 24-0701 | | DRAWING No. G3 | | REVISION No. 0 | |
| 0 | JUN. 14, 2024 | C.M. | BY | CHECKED BY: | D.M. | APPROVED BY: | Z.P. | DATE: | APR. 16, 2024 |
| No. | DATE | DESIGNED BY: | Z.P. | SCALE: | As Noted | ENGINEER'S SEAL | | | |

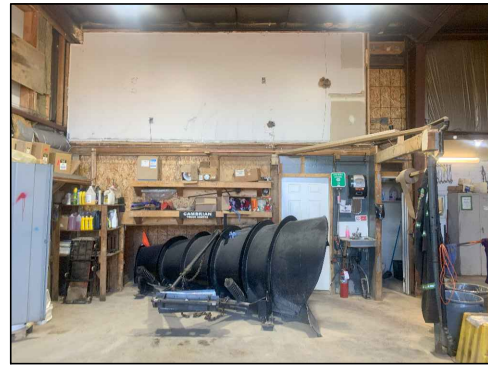


PHOTO 13
GARAGE, LOOKING WEST

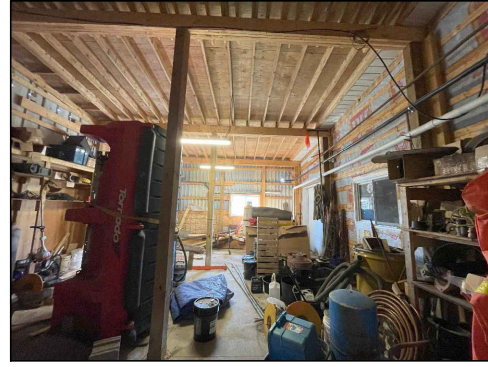


PHOTO 9
IMPLEMENT STORAGE ROOM, LOOKING WEST

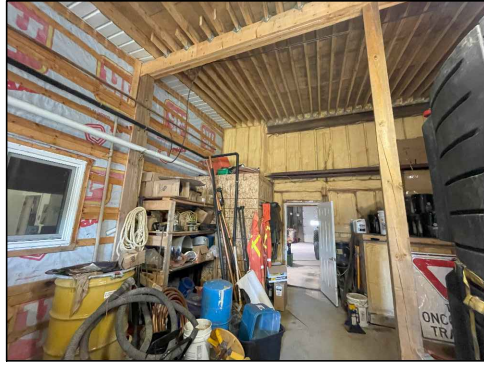


PHOTO 10
IMPLEMENT STORAGE ROOM, LOOKING EAST

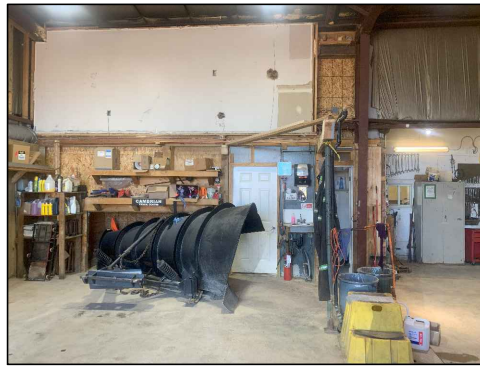


PHOTO 11
GARAGE, LOOKING WEST

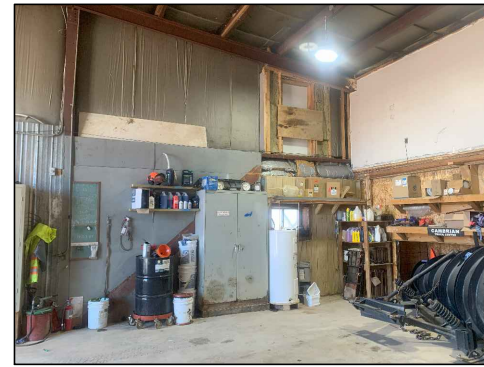


PHOTO 12
GARAGE, LOOKING SOUTH-WEST

PROJECT:

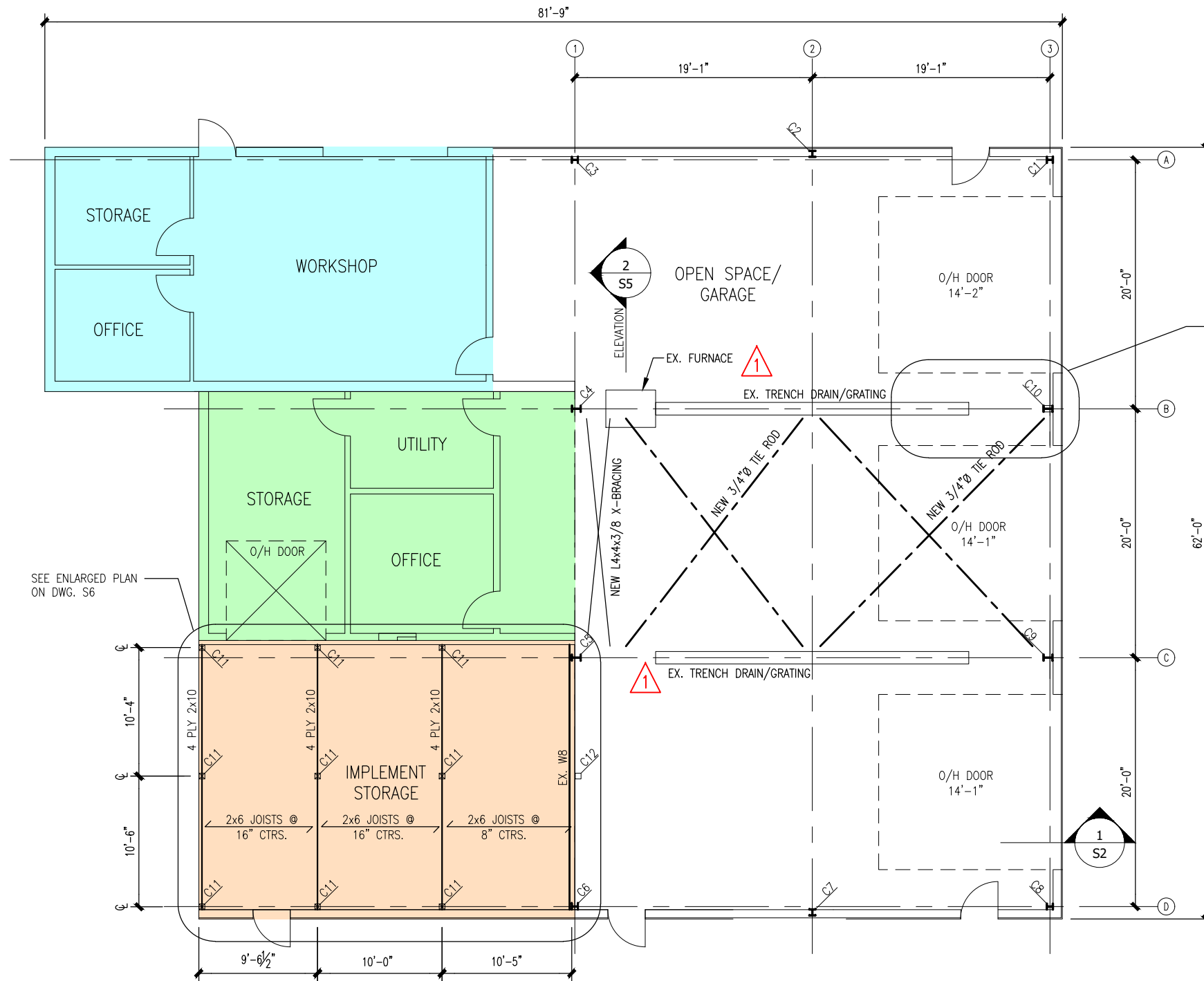
**MUNICIPALITY OF CENTRAL MANITOULIN
PUBLIC WORKS GARAGE REPAIRS
7 LAKESHORE DRIVE, MINDEMOYA, ON**

DRAWING:

PHOTOS



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| 0 | JUN. 14, 2024 | C.M. | BY | CHECKED BY: D.M. | APPROVED BY: Z.P. |
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| ISSUES / REVISIONS | | SCALE: As Noted | | DATE: APR. 16, 2024 | |
| ENGINEER'S SEAL | | | | | |



FLOOR PLAN

SCALE 3/32" = 1'-0"

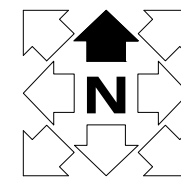
← DENOTES SPAN OF CEILING JOIST →

COLUMN SCHEDULE

- C1 EX. 6x6 STEEL COLUMN TO BE REPLACED
- C2 INACCESSIBLE COLUMN TO REMAIN
- C3 EX. 6x6 STEEL COLUMN TO BE REPAIRED
- C4 EX. 8-7/8 x 6-1/8 STEEL COLUMN TO BE REPAIRED
- C5 EX. 8-7/8 x 6-1/8 STEEL COLUMN TO BE REPAIRED
- C6 INACCESSIBLE (6x6 STEEL COLUMN) TO REMAIN
- C7 INACCESSIBLE STEEL COLUMN TO REMAIN
- C8 EX. 6x6 STEEL COLUMN TO BE REPAIRED
- C9 EX. 8-7/8 x 6-1/8 STEEL COLUMN TO REMAIN
- C10 EX. 8-7/8 x 6-1/8 STEEL COLUMN TO REMAIN
- C11 EX. 6x6 WOOD COLUMN TO REMAIN
- C12 ADJUSTABLE STEEL TELEPOST TO BE REMOVED

LEGEND

- AREA 1 - EXISTING PRE-ENG. BUILDING
- AREA 2 - ADDITION #1
- AREA 3 - ADDITION #2
- AREA 4 - ADDITION #3 (SEE DWG. S6)



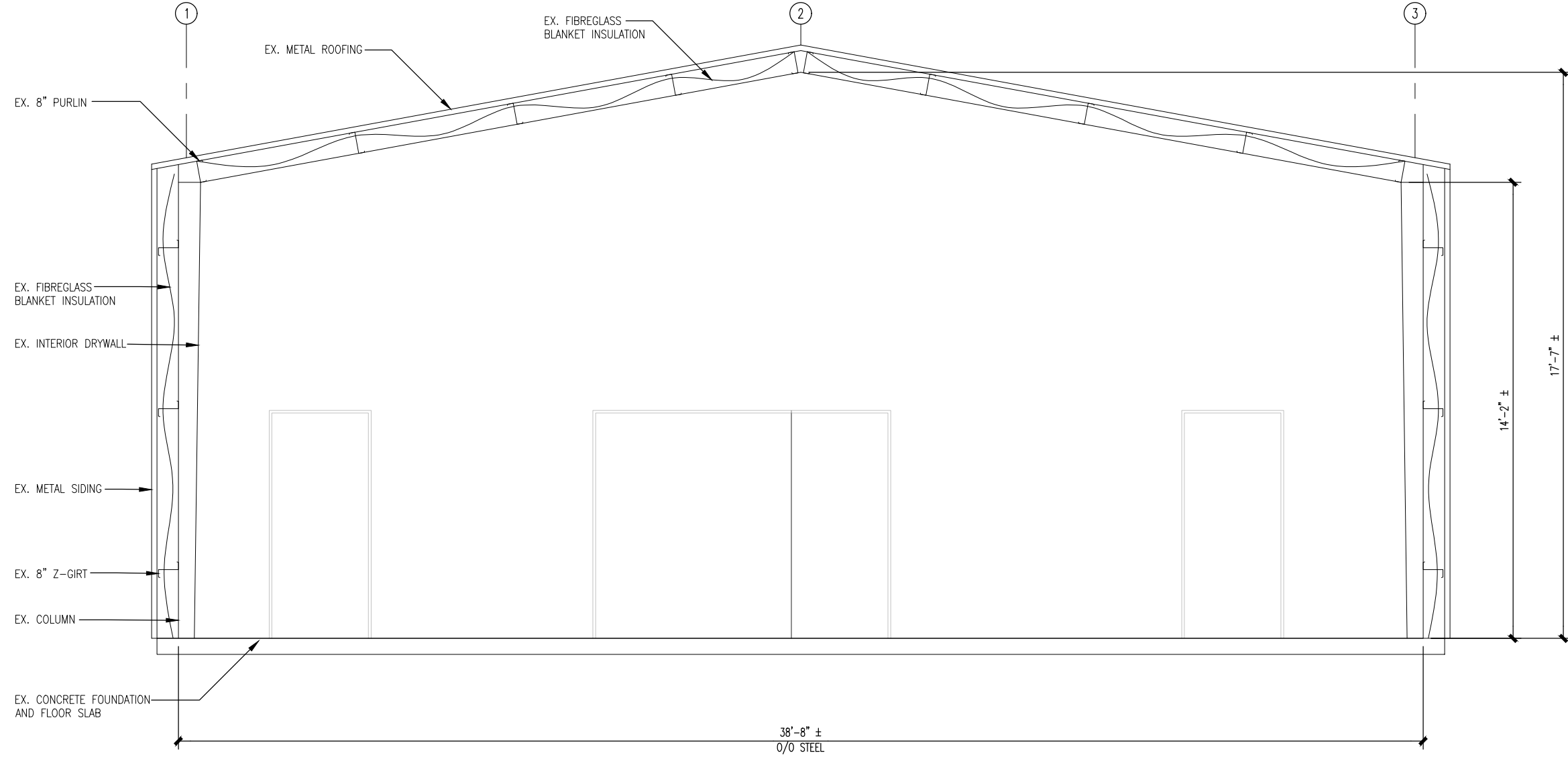
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| 1 | JUL. 04, 2024 | C.M. | 0 | JUN. 14, 2024 | C.M. |
| No. | DATE | BY | | | |
| DRAWN BY: | | CHECKED BY: | | PROJECT No.: | |
| C.M. | | D.M. | | 24-0701 | |
| DESIGNED BY: | | APPROVED BY: | | DRAWING No. | |
| Z.P. | | Z.P. | | S1 | |
| SCALE: | | DATE: | | REVISION No. | |
| As Noted | | APR. 16, 2024 | | 1 | |

ENGINEER'S SEAL

EXISTING CONDITIONS

TULLOCH

PROJECT:
MUNICIPALITY OF CENTRAL MANITOULIN
PUBLIC WORKS GARAGE REPAIRS
7 LAKESHORE DRIVE, MINDEMOYA, ON



SECTION
EXISTING CONDITIONS
SCALE 1/4" = 1'-0"



PROJECT:

**MUNICIPALITY OF CENTRAL MANITOULIN
PUBLIC WORKS GARAGE REPAIRS
7 LAKESHORE DRIVE, MINDEMOYA, ON**

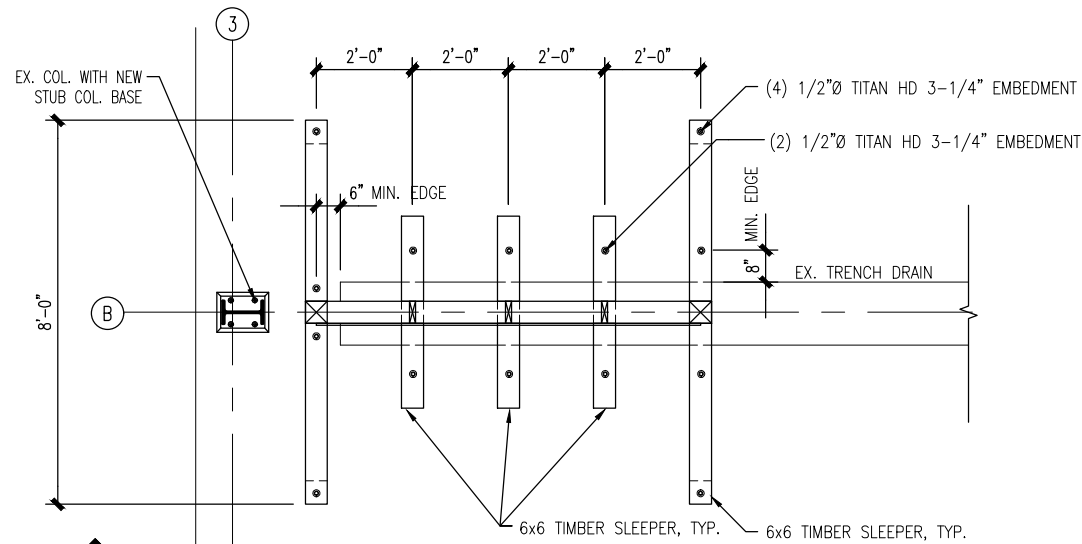
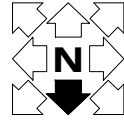
DRAWING:

SECTION
EXISTING CONDITIONS

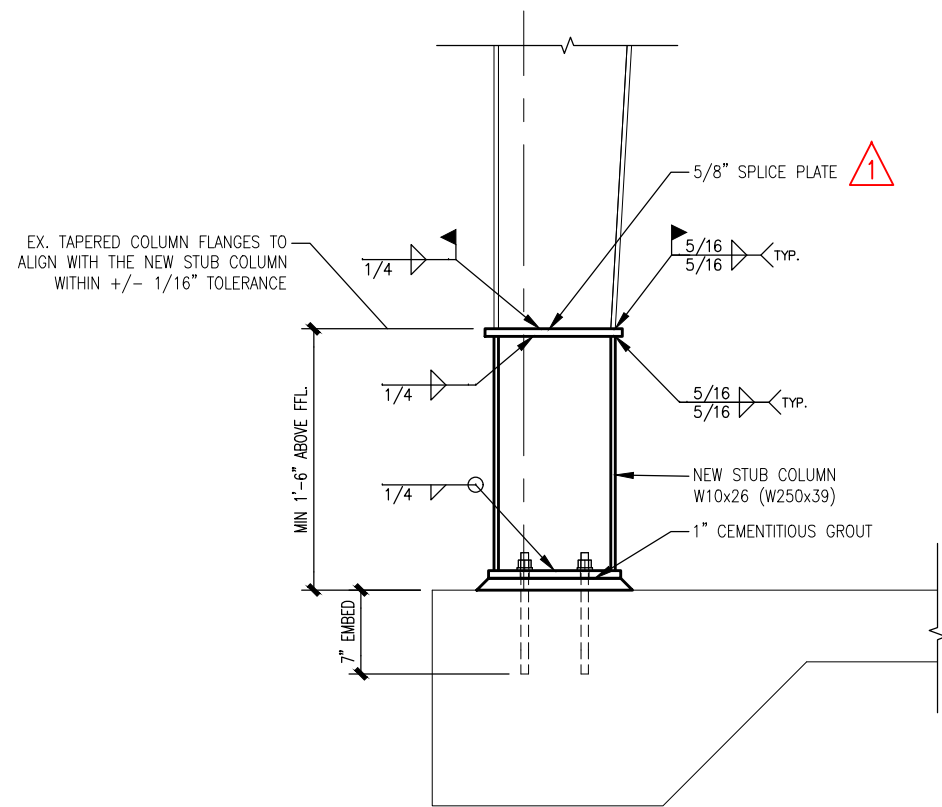


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| ISSUED FOR TENDER | | PROJECT No. : 24-0701 | | REVISION No. | |
| 0 | JUN 14, 2024 | C.M. | | DRAWING No. S2 | |
| No. | DATE | BY | ISSUES / REVISIONS | | |
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| DESIGNED BY: | | APPROVED BY: | | | |
| Z.P. | | Z.P. | | | |
| SCALE: | | As Noted | | | |
| | | | | DATE: APR. 16, 2024 | |

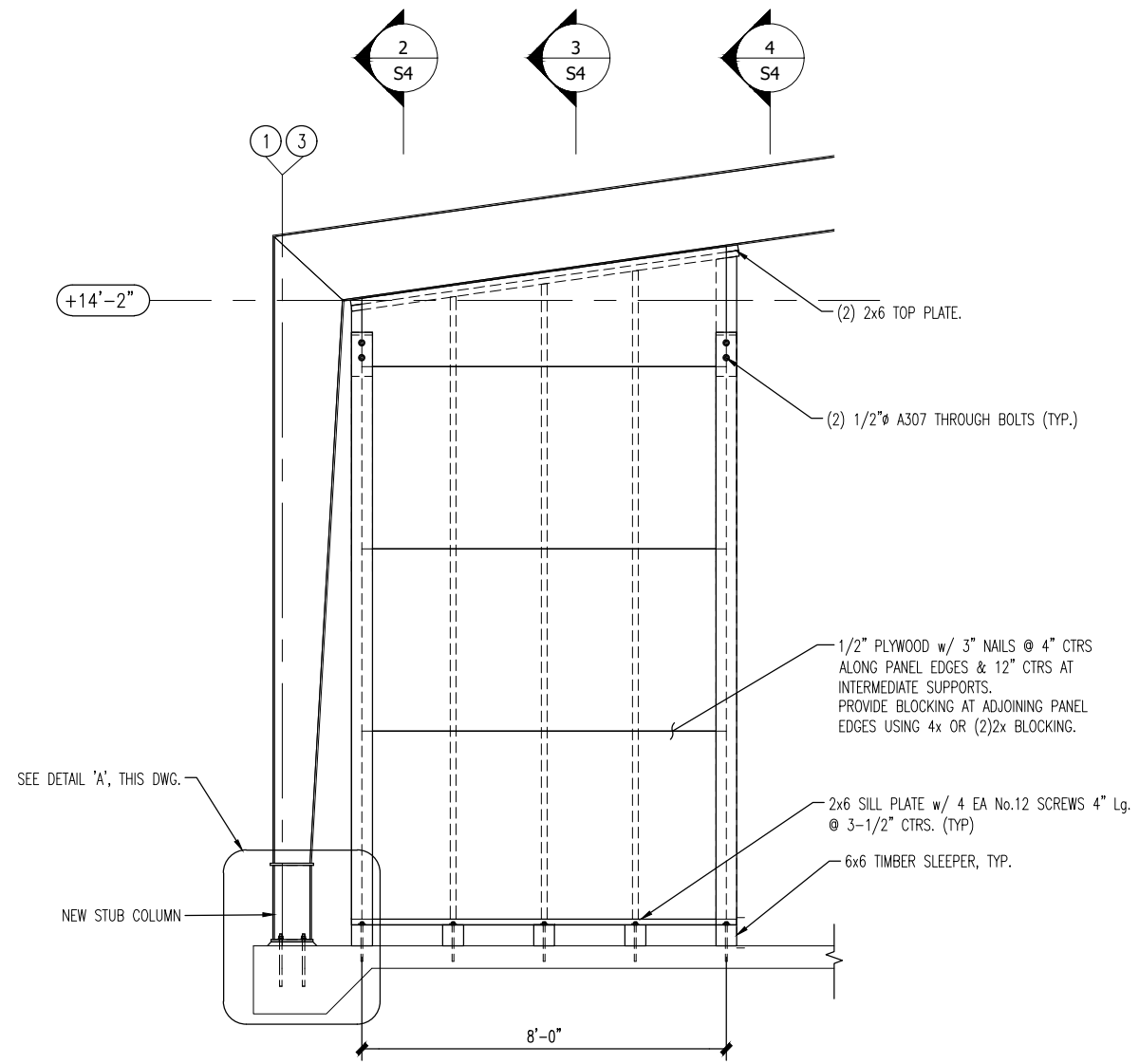
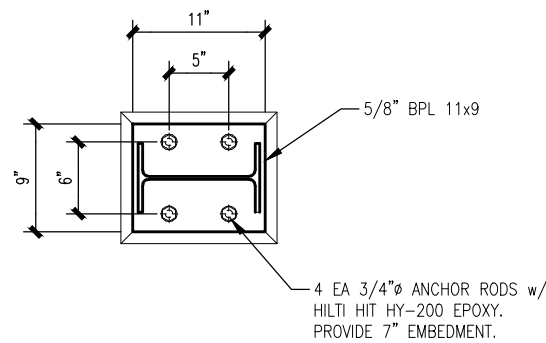
ENGINEER'S SEAL



PLAN
 TEMPORARY SUPPORT (TYP.)
 SCALE 1/4" = 1'-0"



DETAIL A
 NEW STUB COLUMN C4, C5, C9 & C10
 SCALE 3/4" = 1'-0"

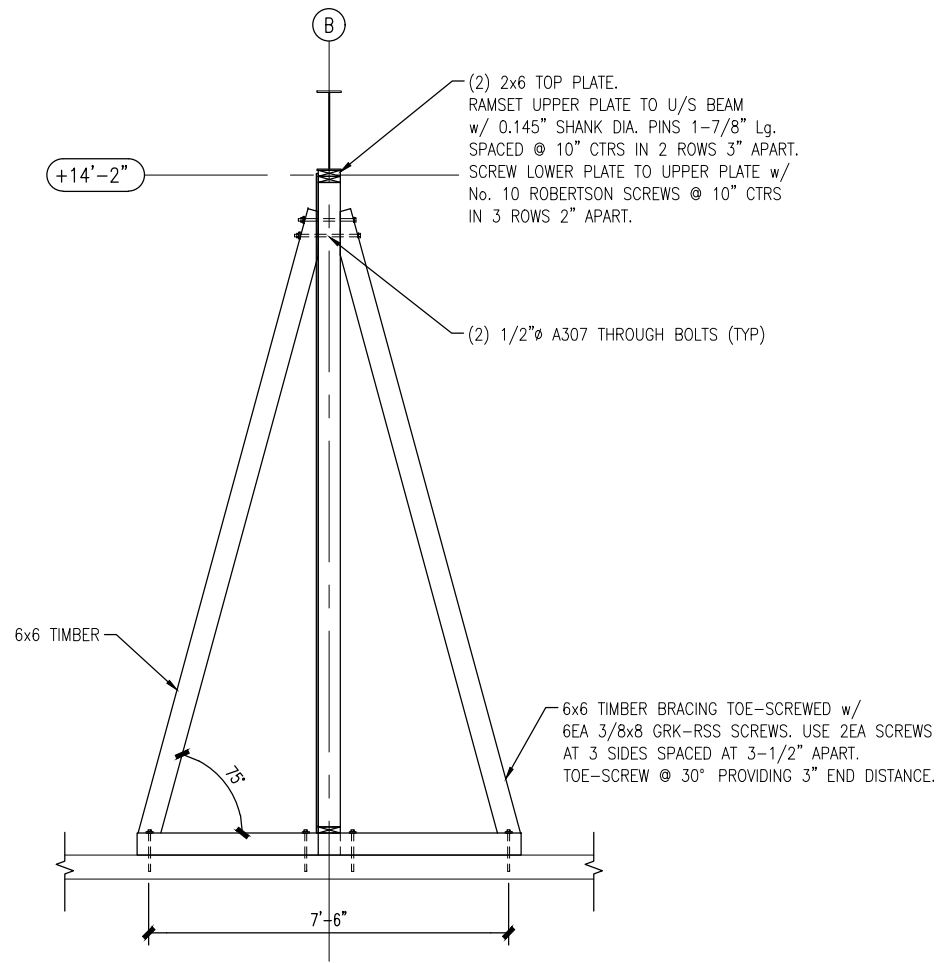


SECTION
 TEMPORARY WALL (TYP.)
 SCALE 1/4" = 1'-0"

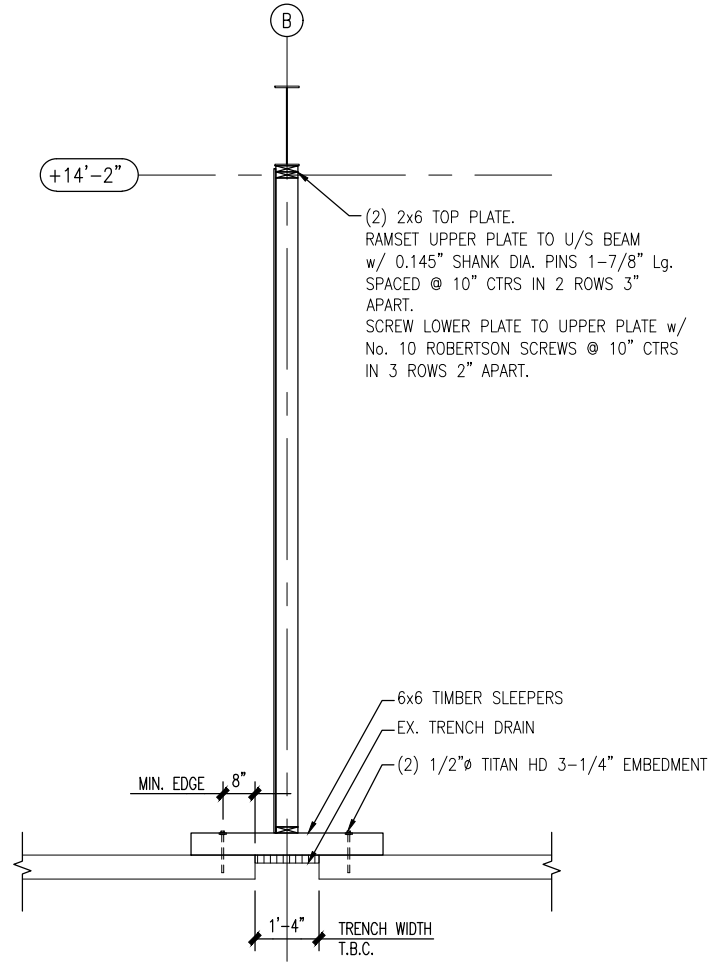
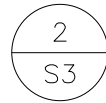
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| 1 | JUL 04, 2024 | C.M. | 0 | JUN 14, 2024 | C.M. |
| No. | DATE | BY | | | |
| DRAWN BY: | | CHECKED BY: | | PROJECT No.: | |
| C.M. | | D.M. | | 24-0701 | |
| DESIGNED BY: | | APPROVED BY: | | DRAWING No. | |
| Z.P. | | Z.P. | | S3 | |
| SCALE: | | As Noted | | REVISION No. | |
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| DATE: APR. 16, 2024 | | | | | |

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| PROJECT: MUNICIPALITY OF CENTRAL MANITOULIN PUBLIC WORKS GARAGE REPAIRS 7 LAKESHORE DRIVE, MINDEMOYA, ON | DRAWING: TEMPORARY SUPPORT PLAN, SECTION AND DETAILS |
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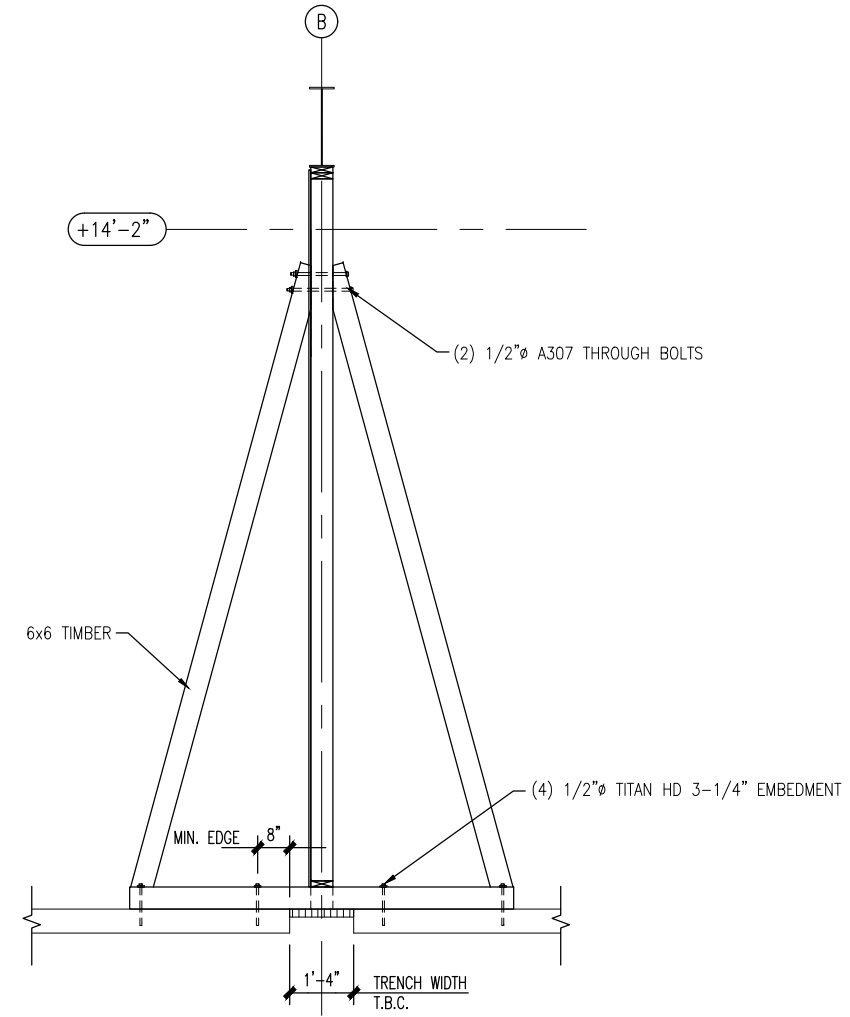
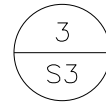
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| | ENGINEER'S SEAL |
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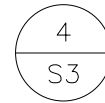
SECTION 2
TEMPORARY WALL
SCALE 1/4" = 1'-0"



SECTION 3
TEMPORARY WALL
SCALE 1/4" = 1'-0"



SECTION 4
TEMPORARY WALL
SCALE 1/4" = 1'-0"



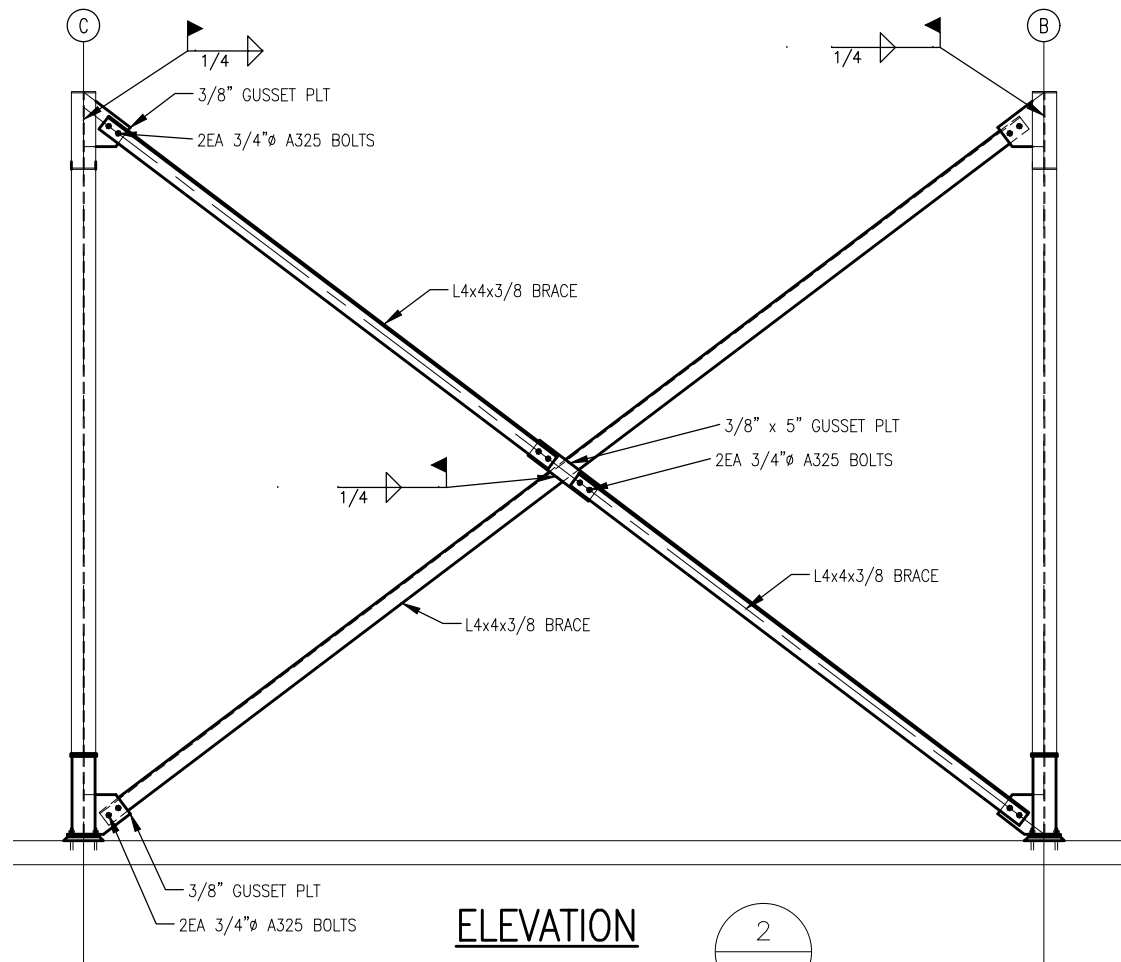
PROJECT:
**MUNICIPALITY OF CENTRAL MANITOULIN
PUBLIC WORKS GARAGE REPAIRS
7 LAKESHORE DRIVE, MINDEMOYA, ON**

DRAWING:
CROSS-SECTIONS



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| ISSUED FOR TENDER | C.M. | BY | CHECKED BY: | D.M. | APPROVED BY: | Z.P. | DATE: | APR. 16, 2024 |
| 0 | JUN. 14, 2024 | | DRAWN BY: | C.M. | DESIGNED BY: | Z.P. | SCALE: | As Noted |
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| | | | 24-0701 | | S4 | | 0 | |

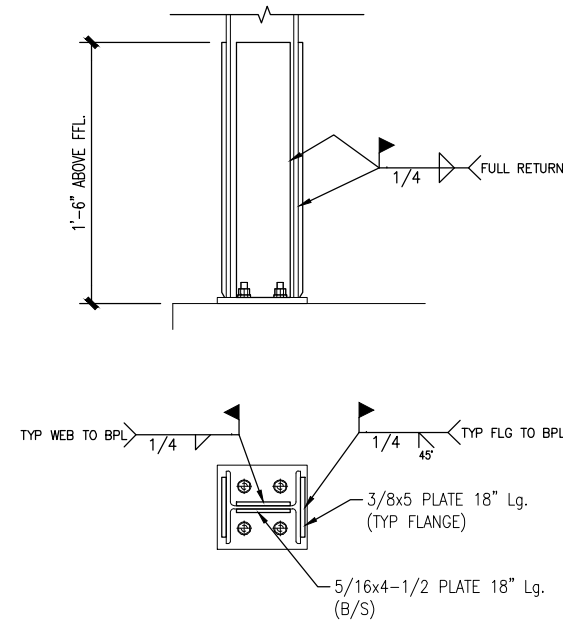
ENGINEER'S SEAL



ELEVATION
X-BRACE AT LINE 1

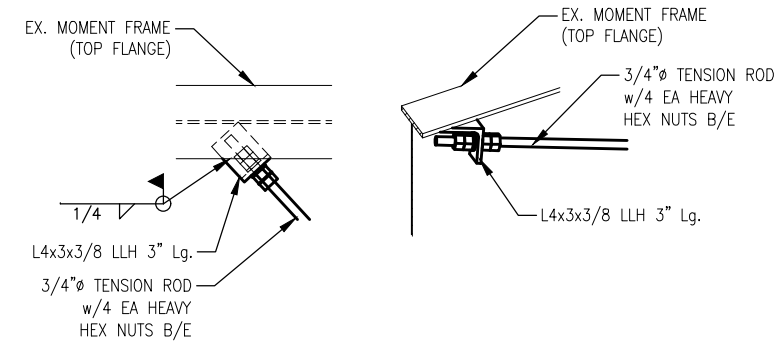
SCALE 1/4" = 1'-0"

2
S1



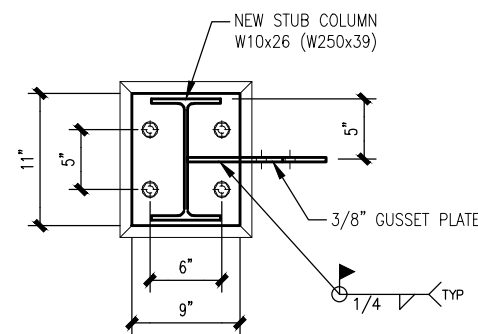
DETAIL B
COLUMN C3 & C8 REPAIR

SCALE 3/4" = 1'-0"



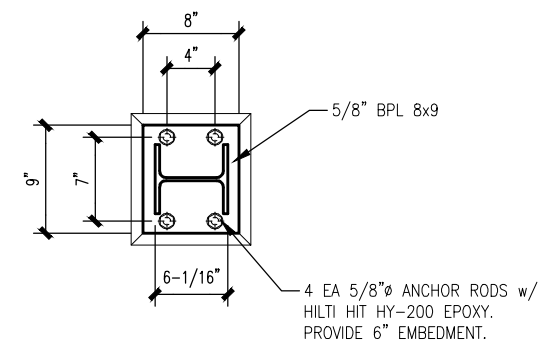
DETAIL C
TENSION ROD CONNECTION

SCALE 3/4" = 1'-0"



DETAIL D
NEW STUB COLUMN w/ GUSSET
PLATE (TYP 2 LOCATIONS)

SCALE 3/4" = 1'-0"



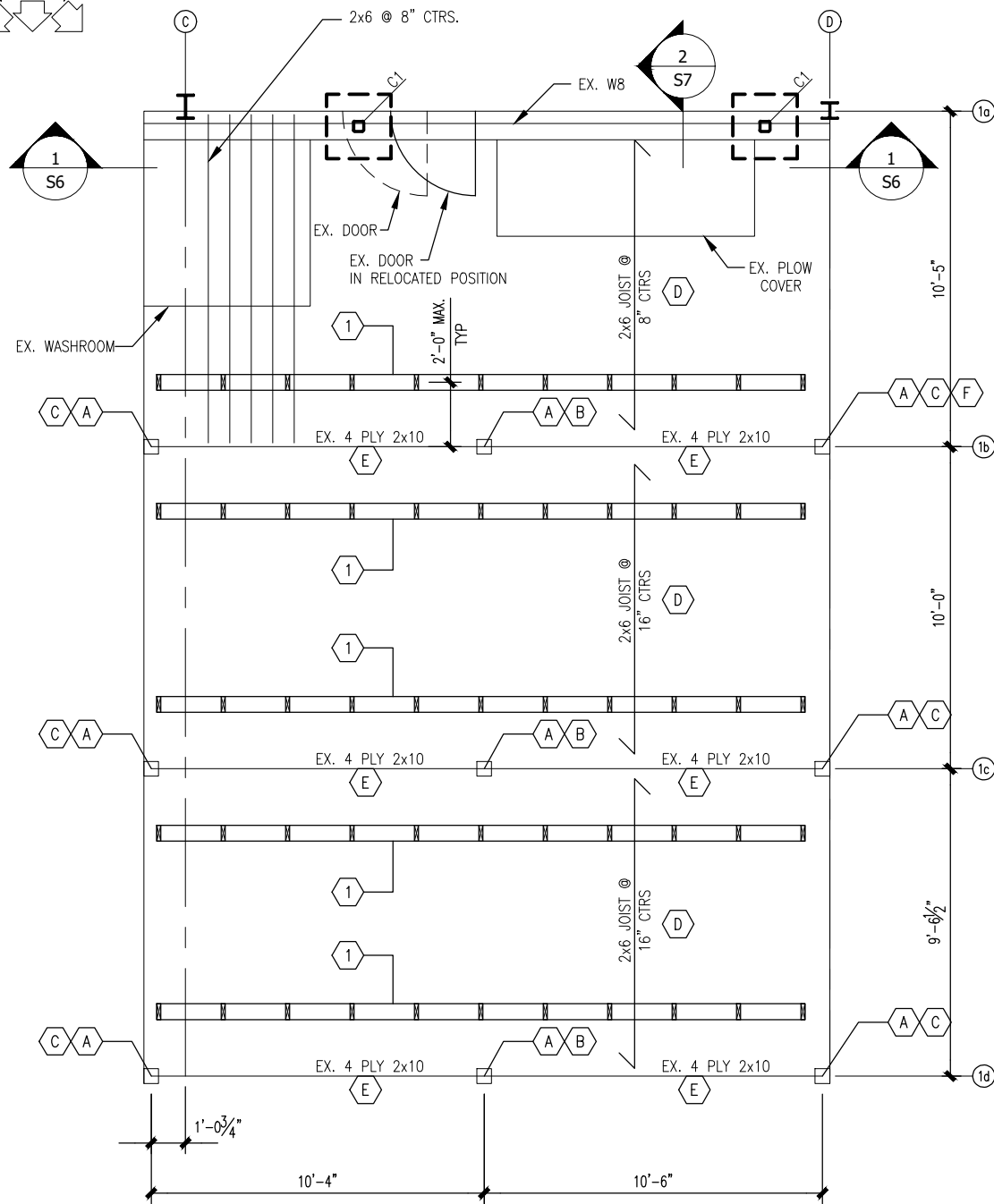
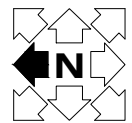
DETAIL E
NEW BASEPLATE COLUMN C1

SCALE 3/4" = 1'-0"

COLUMN C1 REPAIRS

GENERAL CONTRACTOR AND FABRICATOR TO FIELD VERIFY THE DIMENSIONS OF THE EXISTING WIDE FLANGE COLUMN C1 AND REPLACE IT TO MATCH EXISTING INCLUDING CAP PLATE AND GIRT CONNECTIONS. REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.

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| PROJECT: | | ISSUED FOR TENDER | | PROJECT No.: | | REVISION No. | |
| MUNICIPALITY OF CENTRAL MANITOULIN | | C.M. | | 24-0701 | | S5 0 | |
| PUBLIC WORKS GARAGE REPAIRS | | JUN 14, 2024 | | DRAWING No. | | 0 | |
| 7 LAKESHORE DRIVE, MINDEMOYA, ON | | 0 | | PROJECT No.: | | 24-0701 | |
| DRAWING: | | ISSUES / REVISIONS | | CHECKED BY: | | APPROVED BY: | |
| | | As Noted | | D.M. | | Z.P. | |
| CROSS-BRACING SECTION AND DETAILS | | DATE | | DATE | | DATE | |
| | | APR 16, 2024 | | APR 16, 2024 | | APR 16, 2024 | |
| TULLOCH | | ENGINEER'S SEAL | | SCALE: | | As Noted | |
| | | As Noted | | As Noted | | As Noted | |



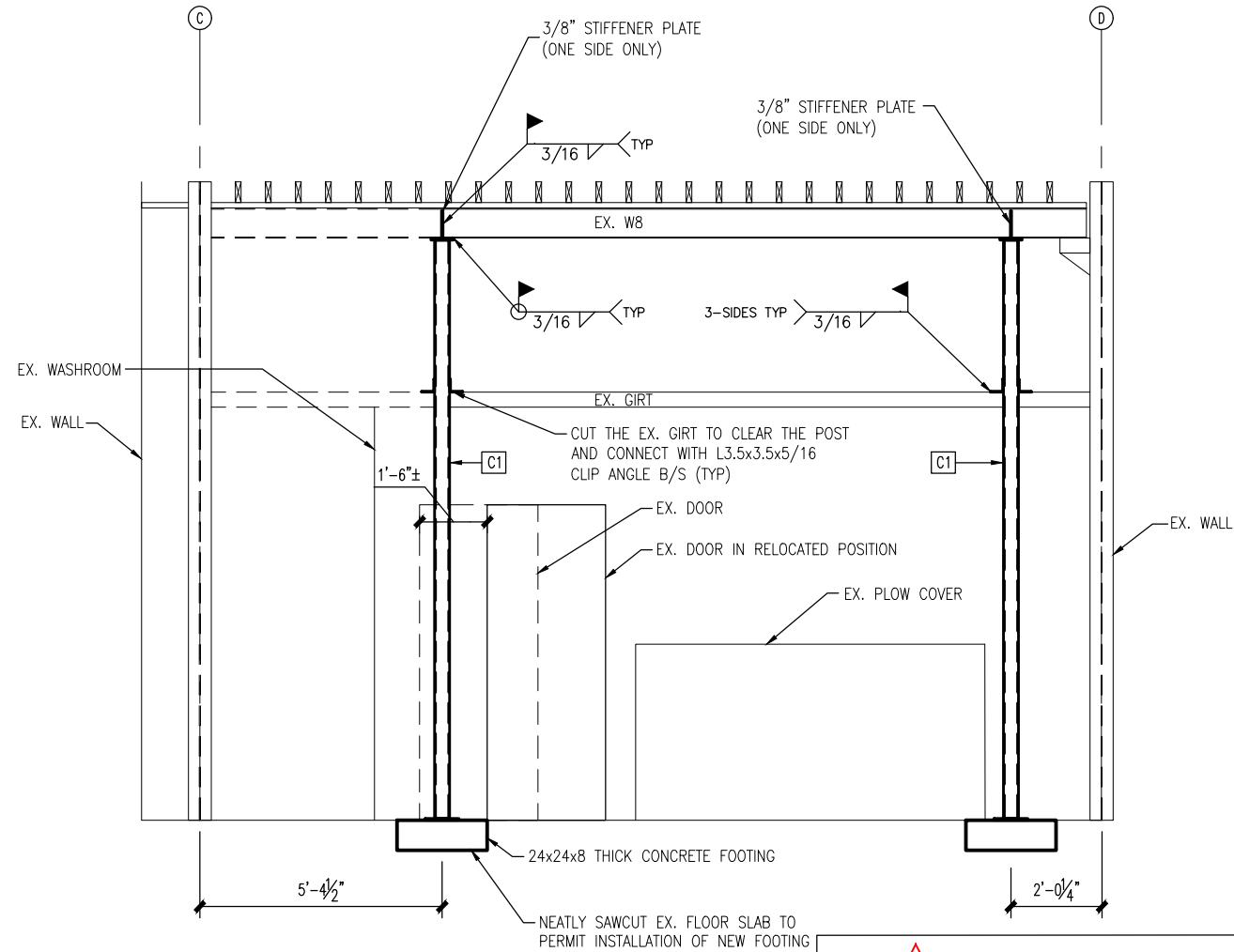
IMPLEMENT STORAGE PLAN

SCALE 3/16" = 1'-0"

NOTE:
CONTRACTOR TO LIMIT THE INSTALLATION OF SHORING WALLS AND REMOVALS OF EXISTING COLUMNS TO ONE GRID LINE PRIOR TO COMMENCING CONSTRUCTION ON ANY ADJACENT GRID LINES.

REPAIR SCHEDULE

- (A) ENSURE ALL NEW AND EXISTING 6x6 POSTS ARE FASTENED TO THE EXISTING CARPORT SADDLES WITH 2-3-1/2" LG. GALVANIZED, ARDOX NAILS EACH SIDE.
- (B) PROVIDE PC6RZ POST CAP. INFILL GAP W/ (2) 1/4"x 5.5" SQ PLYWOOD FASTENED WITH (4) 3" ARDOX NAILS EACH SIDE OF THE POST.
- (C) PROVIDE EPC6RZ POST CAP. INFILL GAP W/ (2) 1/4"x 5.5" SQ PLYWOOD FASTENED WITH (4) 3" ARDOX NAILS EACH SIDE OF THE POST.
- (D) PROVIDE HURRICANE TIES OR A MIN. (3) 3.5" ARDOX NAILS TOE-NAILED TO THE SUPPORTING BEAM AT EACH JOIST BEARING POINT.
- (E) REPLACE EXISTING LAMINATED 4 PLY 2x10 BEAMS W/ NEW 4 PLY 2x10 BUILT-UP BEAMS SPANNING CONTINUOUS BETWEEN POSTS. USE S.P.F. No. 1 OR No. 2
- (F) REPLACE EX. 6x6 POST W/ NEW 6x6 SPF No. 2 OR BETTER. ALL NEW POSTS LOCATED ON THE PERIMETER OF THE IMPLEMENT STORAGE AREA, SUPPORTING EXISTING STRAPPING AND METAL SIDING SHALL BE DISCONNECTED FROM THE STRAPPING/SIDING, STRAPPING/SIDING SHALL BE TEMPORARILY SUPPORTED AND RECONNECTED TO THE NEW POSTS AT THE COMPLETION OF CONSTRUCTION



SECTION 1 S6

SCALE 1/4" = 1'-0"

- NOTES:**
- CONTRACTOR TO REMOVE EX. PLOW COVER AS REQUIRED TO INSTALL COLUMN AND FOOTING. POSITION COLUMNS WITHIN TOLERANCE OF 12" TO MAINTAIN FUNCTIONALITY OF COVER. MAKE GOOD EXISTING BOX CONSTRUCTION, INCLUDING INSULATION, AT THE COMPLETION OF CONSTRUCTION.
 - REMOVE EXISTING ACCESS DOOR. RELOCATE AS SHOWN. MODIFY EXISTING WALL FRAMING AS REQUIRED. INCLUDE MODIFICATION TO ALL EXISTING MECHANICAL AND ELECTRICAL AS MAY BE REQUIRED.

COLUMN SCHEDULE

(C1) = HSS 4x4x1/4 w/ 1/2"x5" SQ. CAP PLATE & 10x10x5/8 BASE PLATE w/ (4) 1/2"Ø HDG THREADED ROD AT BASE, ENSURE 4" EMBEDMENT WITH EPOXY ADHESIVE. PROVIDE 1" GROUT U/S BASE PLATE.

LEGEND

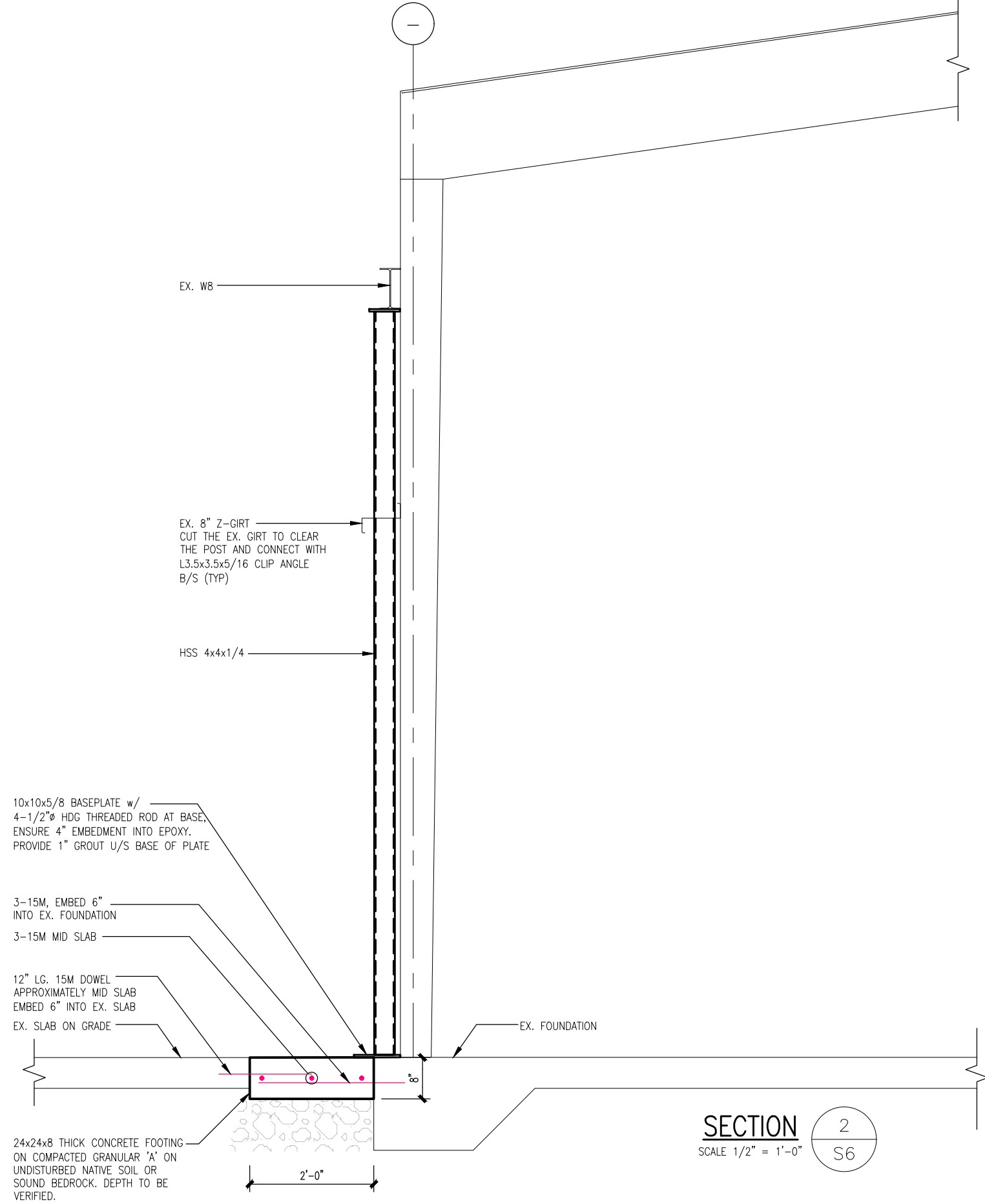
(1) PROVIDE AND SECURE TEMPORARY SHORING UNDER EX. ROOF JOISTS. SHORING TO BE 2x6 STUD WALLS WITH STUDS SPACED AT 24" CTRS. PROVIDE 2x4 DIAGONAL BRACE ON EITHER SIDE OF SHORING WALL IN OPPOSING DIRECTIONS. DOUBLE TOP PLATE TO BE SECURED TO EXISTING JOISTS AND SINGLE BOTTOM PLATE FASTENED TO THE FLOOR SLAB.

MUNICIPALITY OF CENTRAL MANITOULIN
PUBLIC WORKS GARAGE REPAIRS
7 LAKESHORE DRIVE, MINDEMOYA, ON

IMPLEMENT STORAGE
ENLARGED PLAN AND SECTION



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| ISSUED FOR ADDENDUM 1 | C.M. | JUL 04, 2024 | 1 |
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| PROJECT No.: | CHECKED BY: | D.M. | D.M. |
| DRAWING No.: | APPROVED BY: | Z.P. | Z.P. |
| REVISION No.: | SCALE: | As Noted | As Noted |
| S6 | DATE: | APR. 16, 2024 | APR. 16, 2024 |
| 24-0701 | ENGINEER'S SEAL | | |



SECTION
SCALE 1/2" = 1'-0"
2
S6

PROJECT:

**MUNICIPALITY OF CENTRAL MANITOULIN
PUBLIC WORKS GARAGE REPAIRS
7 LAKESHORE DRIVE, MINDEMOYA, ON**

DRAWING:

**BEAM SUPPORT
SECTION**



ENGINEER'S SEAL

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| 0 | JUN. 14, 2024 | C.M. | | |
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| Z.P. | | Z.P. | | |
| SCALE: | | DATE: | | |
| As Noted | | APR. 16, 2024 | | |





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