

# FUEL TANK REPAIR AND REPLACEMENT PROJECT QIKIQTARJUAQ, NUNAVUT

## DRAWING LIST:

### V089 - GARAGE

M1.0 DEMOLITION AND CONSTRUCTION PLAN  
M2.0 TANK ELEVATIONS  
M2.1 2" FUEL LINE SUPPORT DETAIL  
M3.0 SCHEMATIC

### V104 - RESIDENCE

M1.0 DEMOLITION AND CONSTRUCTION PLAN  
M2.0 TANK ELEVATIONS  
M2.1 2" FUEL LINE SUPPORT DETAIL  
M3.0 SCHEMATIC

### V103 - RESIDENCE

M1.0 SITE PLAN AND CONSTRUCTION PLAN

### V088 - FACILITY BUILDING

M1.0 DEMOLITION PLAN - CRAWL SPACE  
M1.1 CRAWL SPACE PLAN  
M2.0 SECTION -A TANK ELEVATION  
M2.1 SECTION -B TANK ELEVATION  
M3.0 SCHEMATIC  
M3.1 SCHEMATIC

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S4 CONNECTION #2 DETAILS  
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PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT- QIKIQTARJUAQ  
SHEET TITLE:  
TITLE PAGE  
PROJECT NUMBER:  
16-028-14-30

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REV. # | REVISION | DATE (YY MM DD) | REV. BY

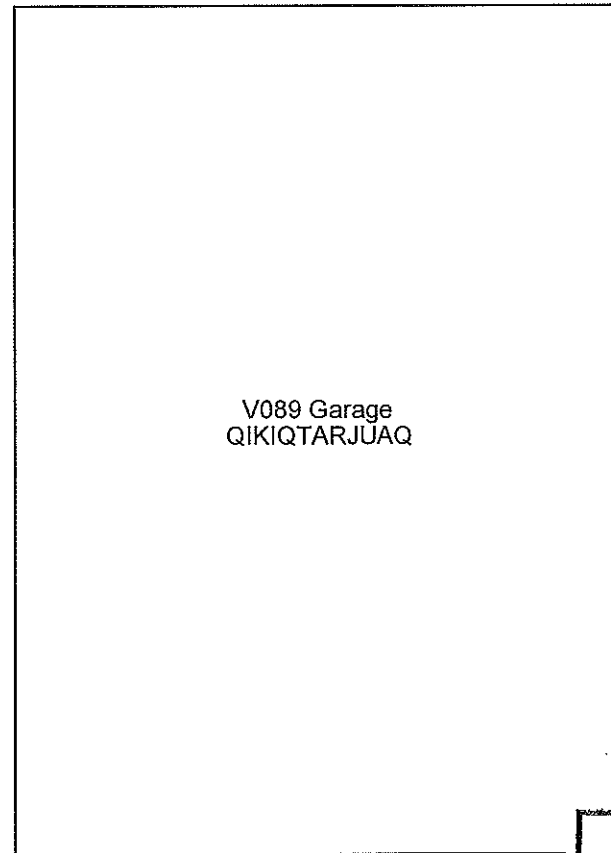
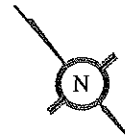
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SCALE:  
AS NOTED  
DATE (YY MM DD):  
17 06 09

DRAWING NUMBER:

M0.0

REVISION NUMBER:  
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V089 Garage  
QIKIQTARJUAQ

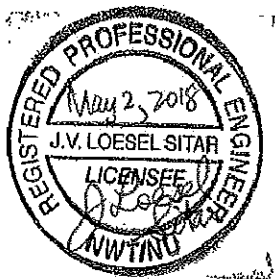


TANK

FRONT

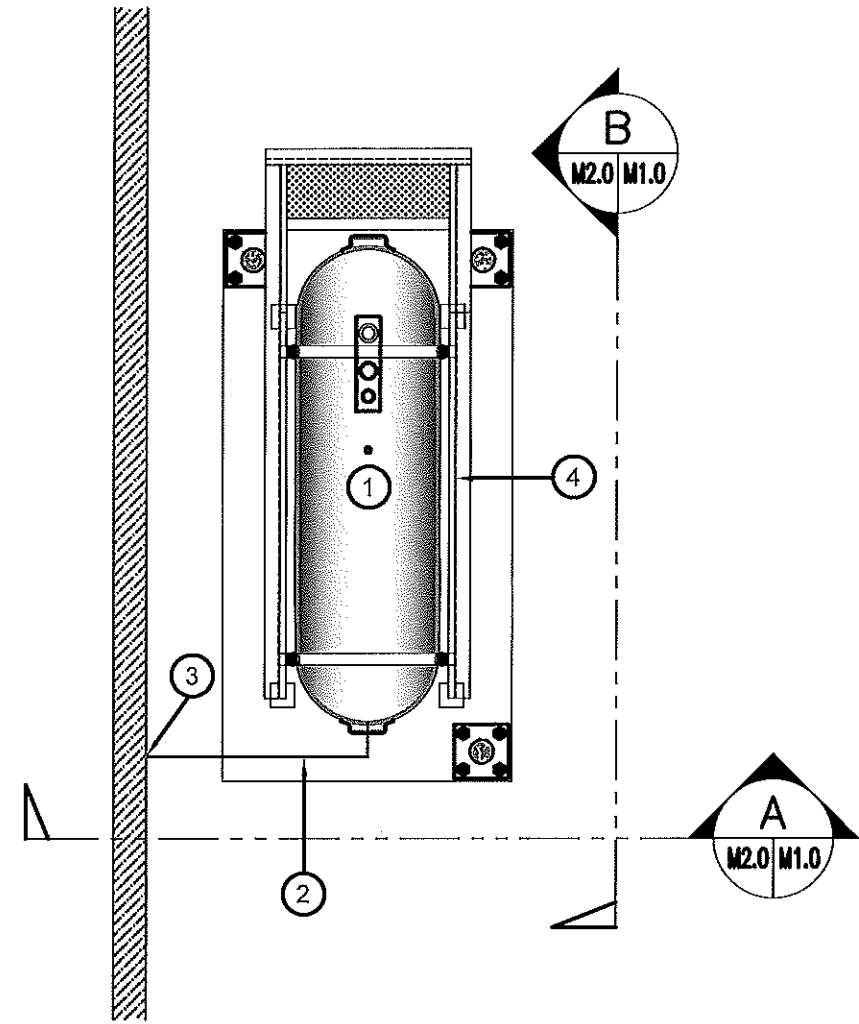
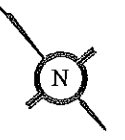
01 DEMOLITION PLAN  
M1.0 SCALE: NTS

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Date *May 2, 2018*  
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DEMOLITION NOTES:

1. REMOVE ALL FUEL FROM THE TANK AND DISPOSE OF AS PER LOCAL REGULATIONS.
2. REMOVE EXISTING OIL TANK STAND AND PAD DISPOSE OF AS PER LOCAL REGULATIONS.



02 CONSTRUCTION PLAN  
M1.0 SCALE: NTS

CONSTRUCTION NOTES: #

1. INSTALL NEW OIL TANK AND CONCRETE PAD. SEE SHEET M2.0
2. INSTALL NEW PIPING SUPPORT AS PER SHEET M2.1
3. CAULK ENTRY INTO BUILDING.
4. INSTALL TANK STAND TYPE #2. SEE STRUCTURAL DRAWINGS FOR DETAILS.

INTERIOR REPAIR NOTES:

1. INSTALL ALL NEW PIPING AND ACCESSORIES TO EXISTING FURNACE SEE DRAWING M3.0 FOR DETAILS.
2. PIPING LENGTH APPROXIMATELY 20'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
V089 - GARAGE , QIKIQTARJUAQ  
SHEET TITLE:  
DEMOLITION AND CONSTRUCTION PLAN  
PROJECT NUMBER:  
16-028-14-30

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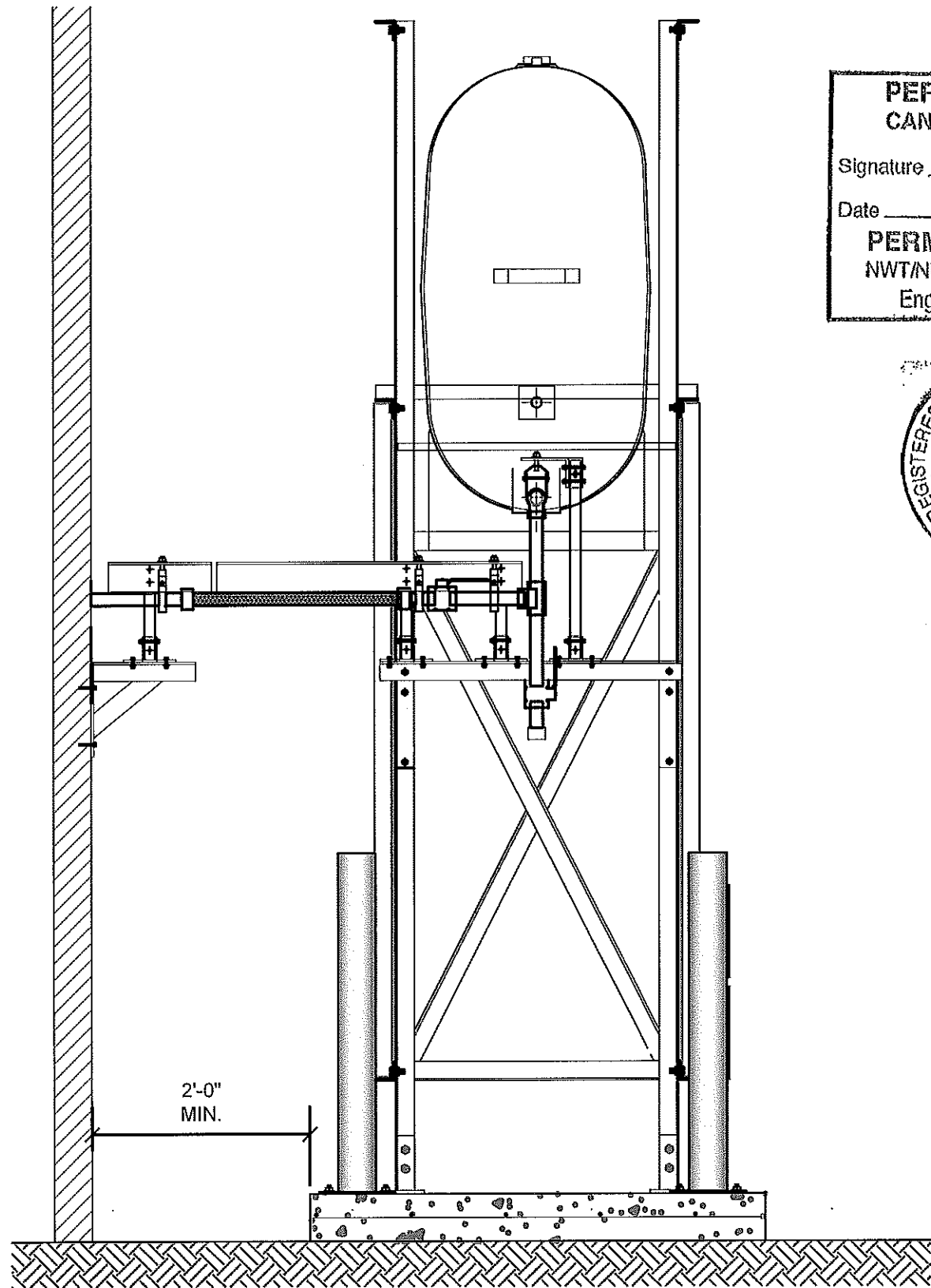
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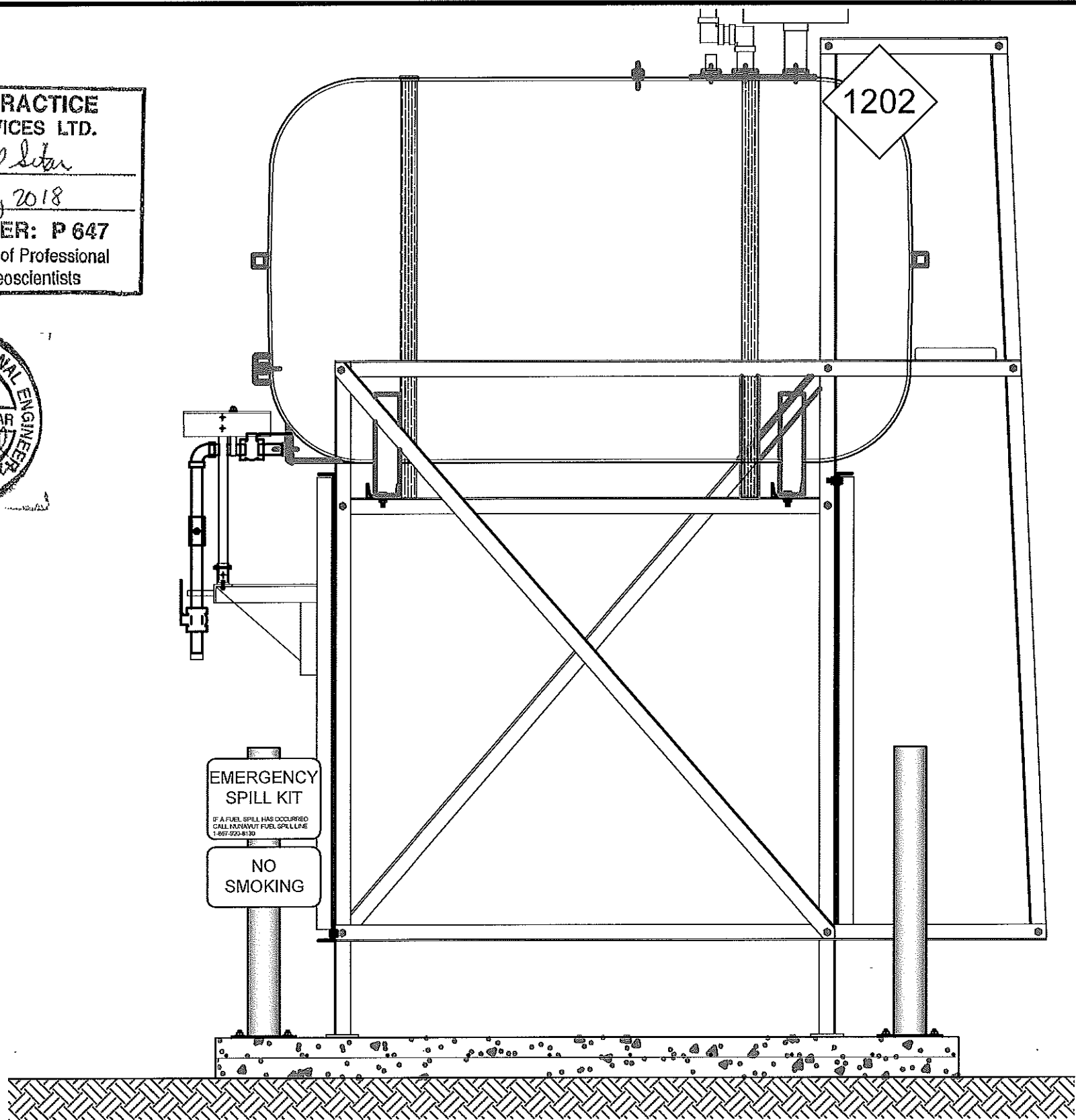
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REVISION NUMBER:  
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01 OIL TANK ELEVATION - A  
M2.0 SCALE: 3/4"-1'-0"

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02 OIL TANK ELEVATION - B  
M2.0 SCALE: 3/4"-1'-0"



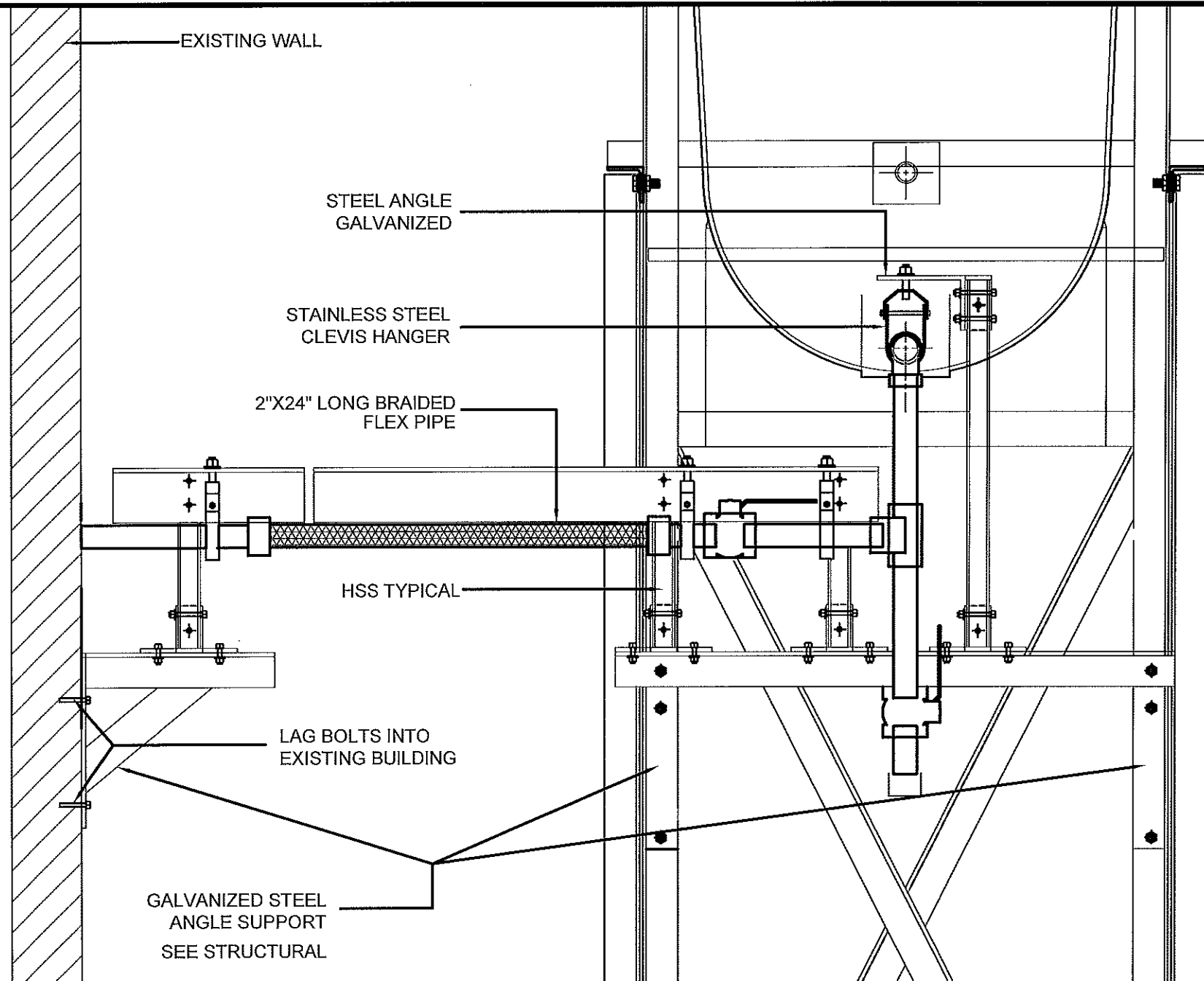
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 V089 - GARAGE , QIKIQTARJUAQ  
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 TANK ELEVATIONS  
 PROJECT NUMBER:  
 16-028-14-30

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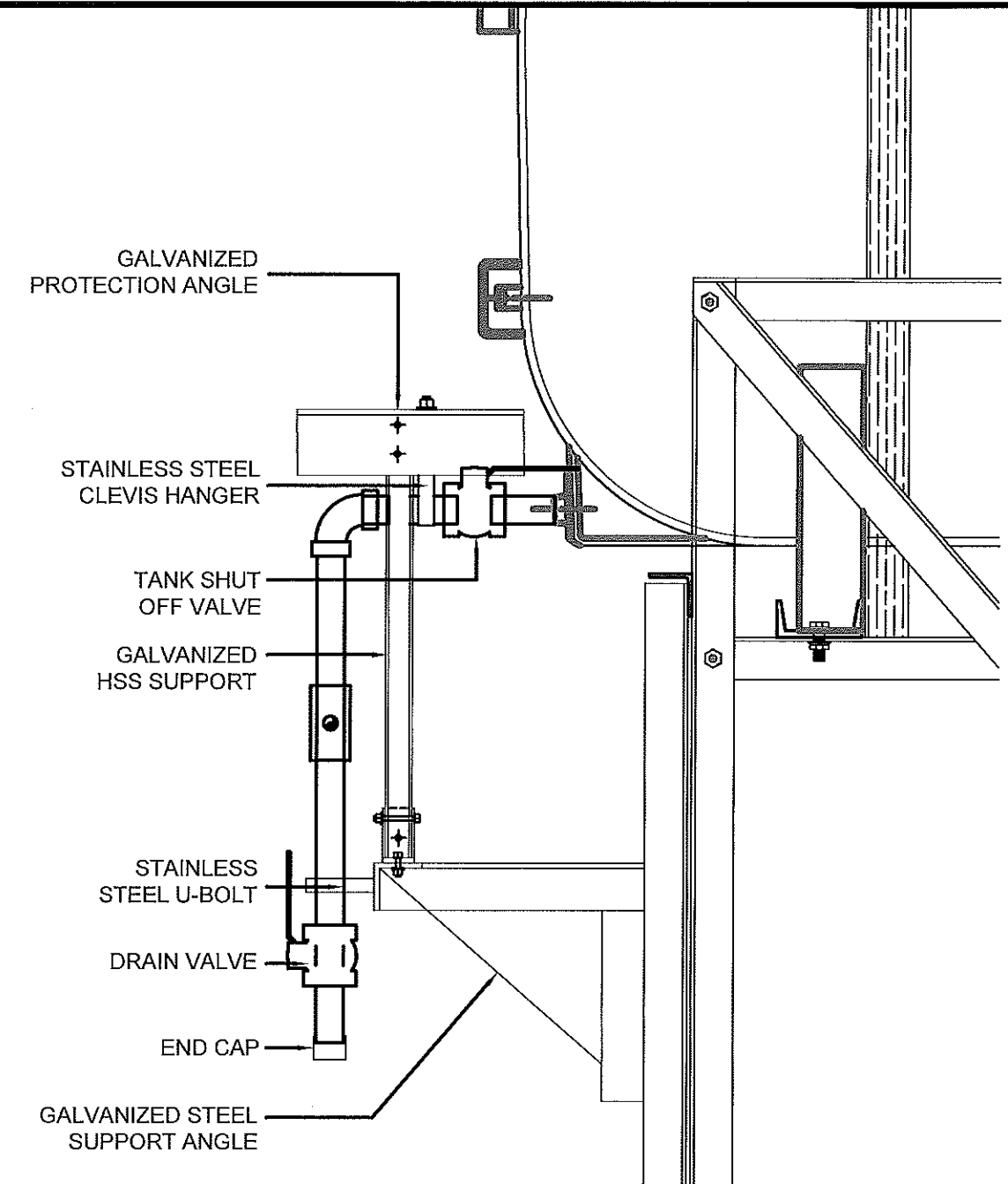
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SCALE:  
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DRAWING NUMBER:  
**M2.0**  
 REVISION NUMBER:  
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01 2" FUEL LINE SUPPORT AND PROTECTION DETAIL TANK STAND  
 M2.1 SCALE: 1 1/2"=1'-0"



02 2" FUEL LINE SUPPORT AND PROTECTION DETAIL HORIZONTAL SECTION  
 M2.1 SCALE: 1 1/2"=1'-0"



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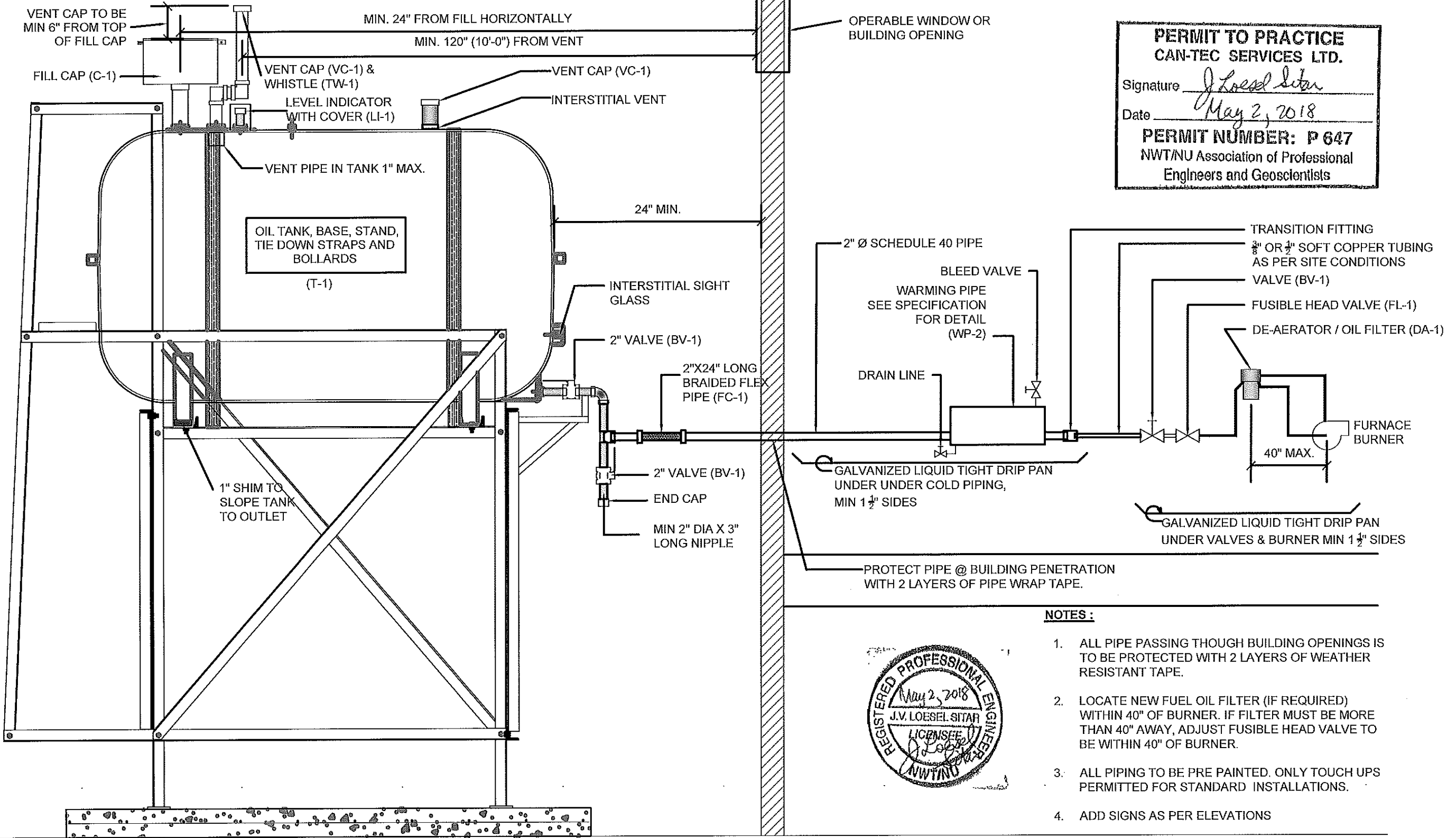
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 V089 - GARAGE, QIKIQTARJUAQ  
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 2" FUEL LINE SUPPORT DETAIL  
 PROJECT NUMBER:  
 16-028-14-30

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REV. #	REVISION	DATE (YY MM DD)	REV. BY

SCALE:  
 AS NOTED  
 DATE (YY MM DD):  
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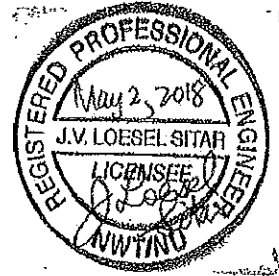
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**M2.1**  
 REVISION NUMBER:  
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**NOTES:**

1. ALL PIPE PASSING THOUGH BUILDING OPENINGS IS TO BE PROTECTED WITH 2 LAYERS OF WEATHER RESISTANT TAPE.
2. LOCATE NEW FUEL OIL FILTER (IF REQUIRED) WITHIN 40" OF BURNER. IF FILTER MUST BE MORE THAN 40" AWAY, ADJUST FUSIBLE HEAD VALVE TO BE WITHIN 40" OF BURNER.
3. ALL PIPING TO BE PRE PAINTED. ONLY TOUCH UPS PERMITTED FOR STANDARD INSTALLATIONS.
4. ADD SIGNS AS PER ELEVATIONS



01 SCHEMATIC - TANK, PIPING & ACCESSORIES : ON STAND  
 M3.0 SCALE: NTS



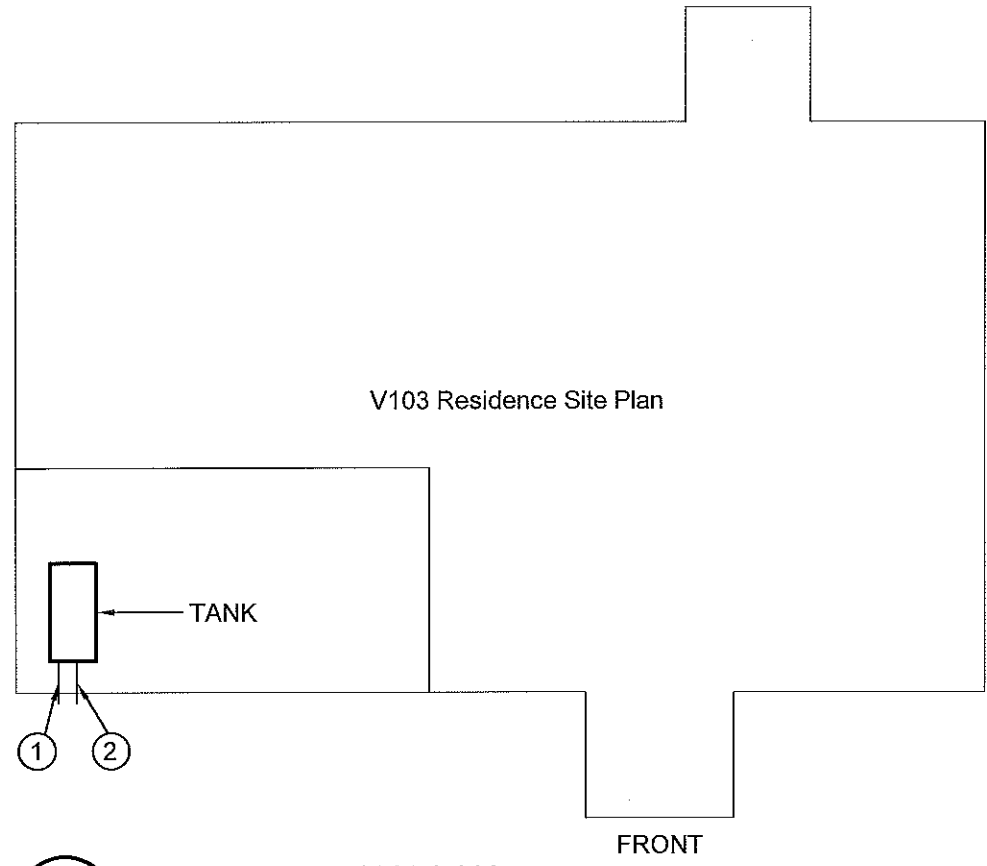
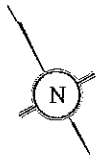
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 RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
 V089 - GARAGE , QIKIQTARJUAQ  
 SHEET TITLE:  
 SCHEMATIC  
 PROJECT NUMBER:  
 16-028-14-30

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SCALE:  
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 DATE (YY MM DD):  
 18 05 02

DRAWING NUMBER:  
**M3.0**  
 REVISION NUMBER:  
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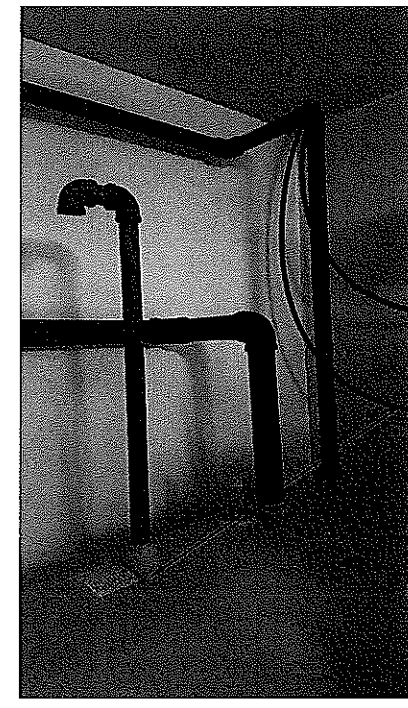
01 CONSTRUCTION PLAN  
M1.0 SCALE: NTS

CONSTRUCTION NOTES: #

1. INSTALL NEW FILL CAP SEE DETAIL 2
2. INSTALL NEW VENT WHISTLE SEE DETAIL 1
3. INSTALL NEW EXTERIOR VENT SEE DETAIL 3

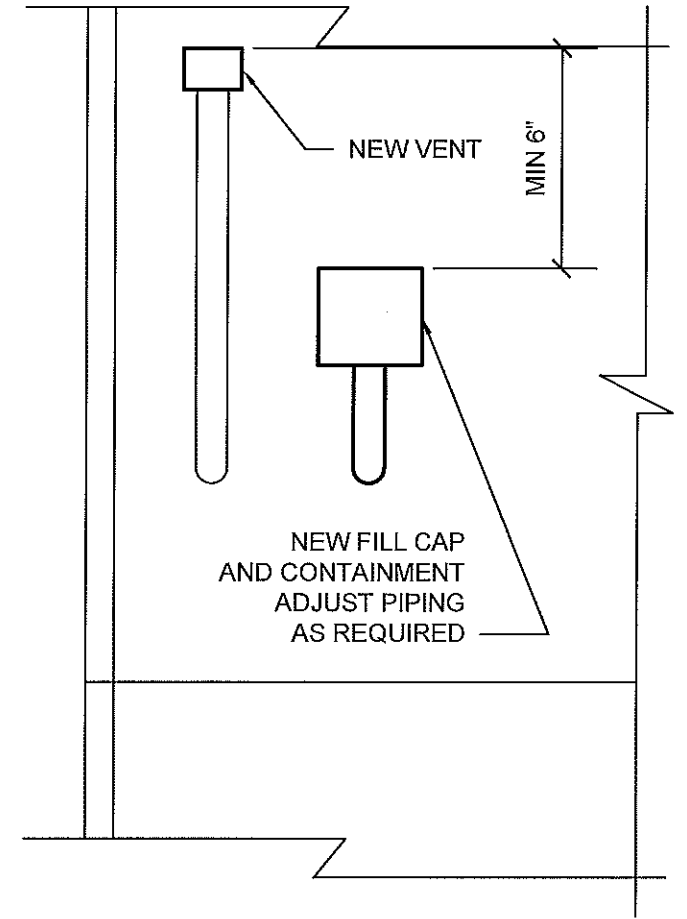
INTERIOR REPAIR NOTES:

1. REMOVE ALL UNUSED FUEL PIPING AND CAP OFF ENDS. REMOVE FROM SITE
2. INSTALL NEW CAP AND SPILL PROTECTION
3. INSTALL NEW VENT AND INTERIOR VENT WHISTLE
4. REMOVE ALL INTERIOR BALL VALVES AND INSTALL NEW 1/4 TURN VALVES AS PER SPECIFICATION. (3 VALVES).



INSTALL NEW VENT WHISTLE

02 VENT WHISTLE  
M1.0 SCALE: NTS



02 EXTERIOR ELEVATION  
M1.0 SCALE: NTS

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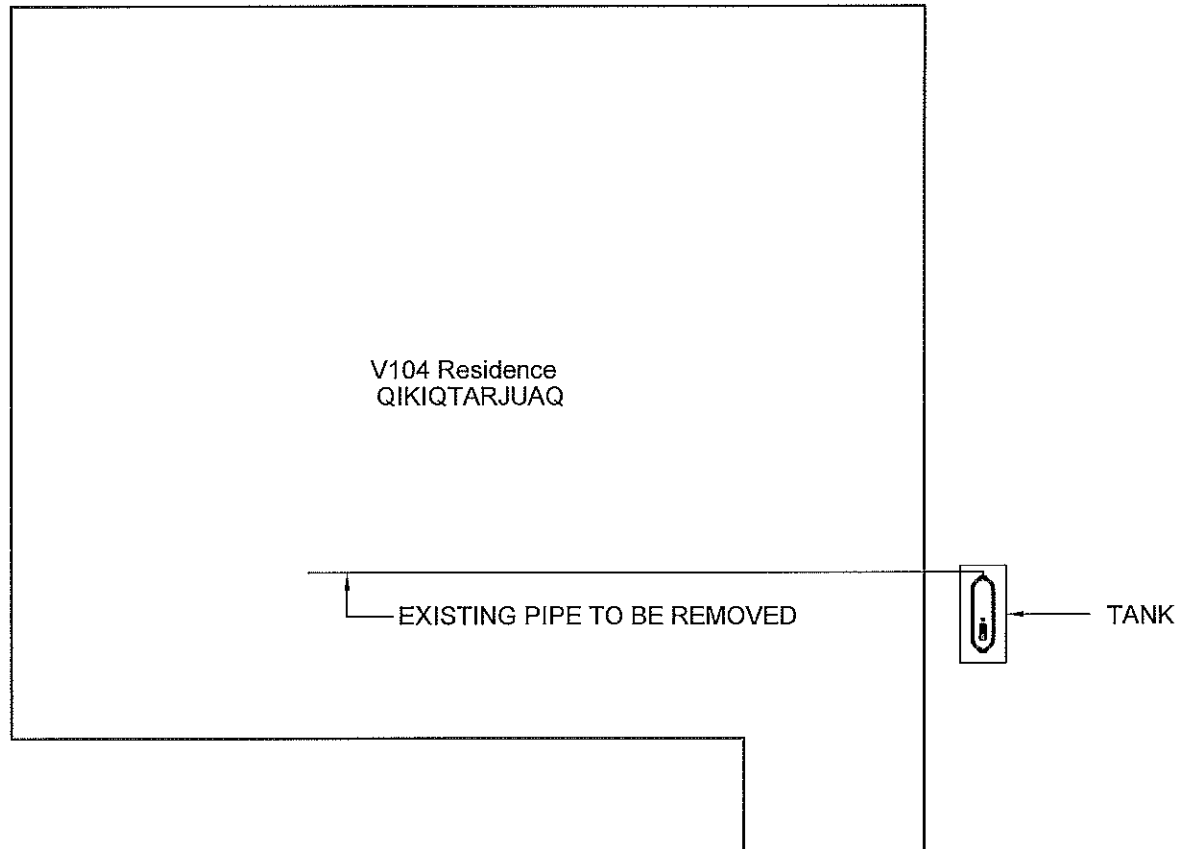
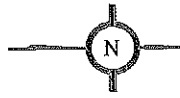
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RCMP "V" DIVISION OIL TANK REPLACEMENT- QIKIQTARJUAQ  
V103 - RESIDENCE , QIKIQTARJUAQ  
SHEET TITLE:  
SITE AND CONSTRUCTION PLAN  
PROJECT NUMBER:  
16-028-14-30

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REV. #	REVISION	DATE (YY MM DD)	REV. BY

SCALE:  
AS NOTED  
DATE (YY MM DD):  
18 05 02

DRAWING NUMBER:  
**M1.0**  
REVISION NUMBER:  
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V104 Residence  
QIKIQTARJUAQ

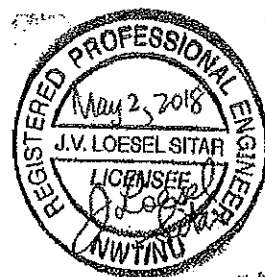
EXISTING PIPE TO BE REMOVED

TANK

FRONT

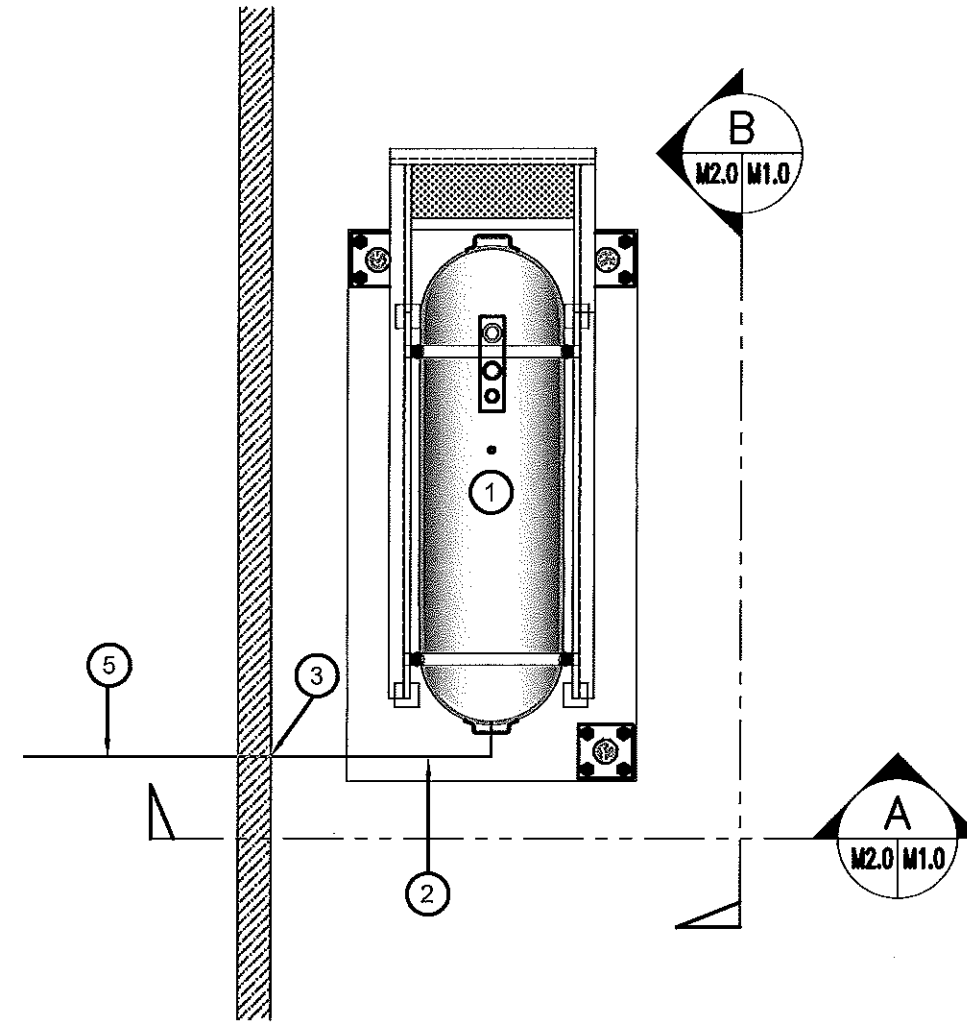
01 DEMOLITION PLAN  
M1.0 SCALE: NTS

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DEMOLITION NOTES:

1. REMOVE ALL FUEL FROM THE TANK AND DISPOSE OF AS PER LOCAL REGULATIONS
2. REMOVE EXISTING OIL TANK STAND AND PAD DISPOSE OF AS PER LOCAL REGULATIONS



02 CONSTRUCTION PLAN  
M1.0 SCALE: NTS

CONSTRUCTION NOTES: #

1. INSTALL NEW OIL TANK AND CONCRETE PAD. SEE SHEET M2.0
2. INSTALL NEW PIPING SUPPORT AS PER SHEET M2.1
3. CAULK ENTRY INTO BUILDING.
4. INSTALL OIL TANK STAND TYPE #2 SEE STRUCTURAL FOR DETAILS.
5. NEW 2"Ø PIPE UNDER MAIN FLOOR APPROXIMATELY 30'-0" OF NEW PIPING REQUIRED

INTERIOR REPAIR NOTES:

1. INSTALL 30'-0" OF 2"Ø FUEL PIPE TO FURNACE.
2. INSTALL NEW PIPING AND ACCESSORIES TO NEW FURNACE IN MECHANICAL ROOM SEE DETAILS SHEET M3.0
3. WARMING PIPE TO BE LOCATED IN MECHANICAL ROOM



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
V104 - RESIDENCE, QIKIQTARJUAQ  
SHEET TITLE:  
DEMOLITION AND CONSTRUCTION PLAN  
PROJECT NUMBER:  
16-028-14-30

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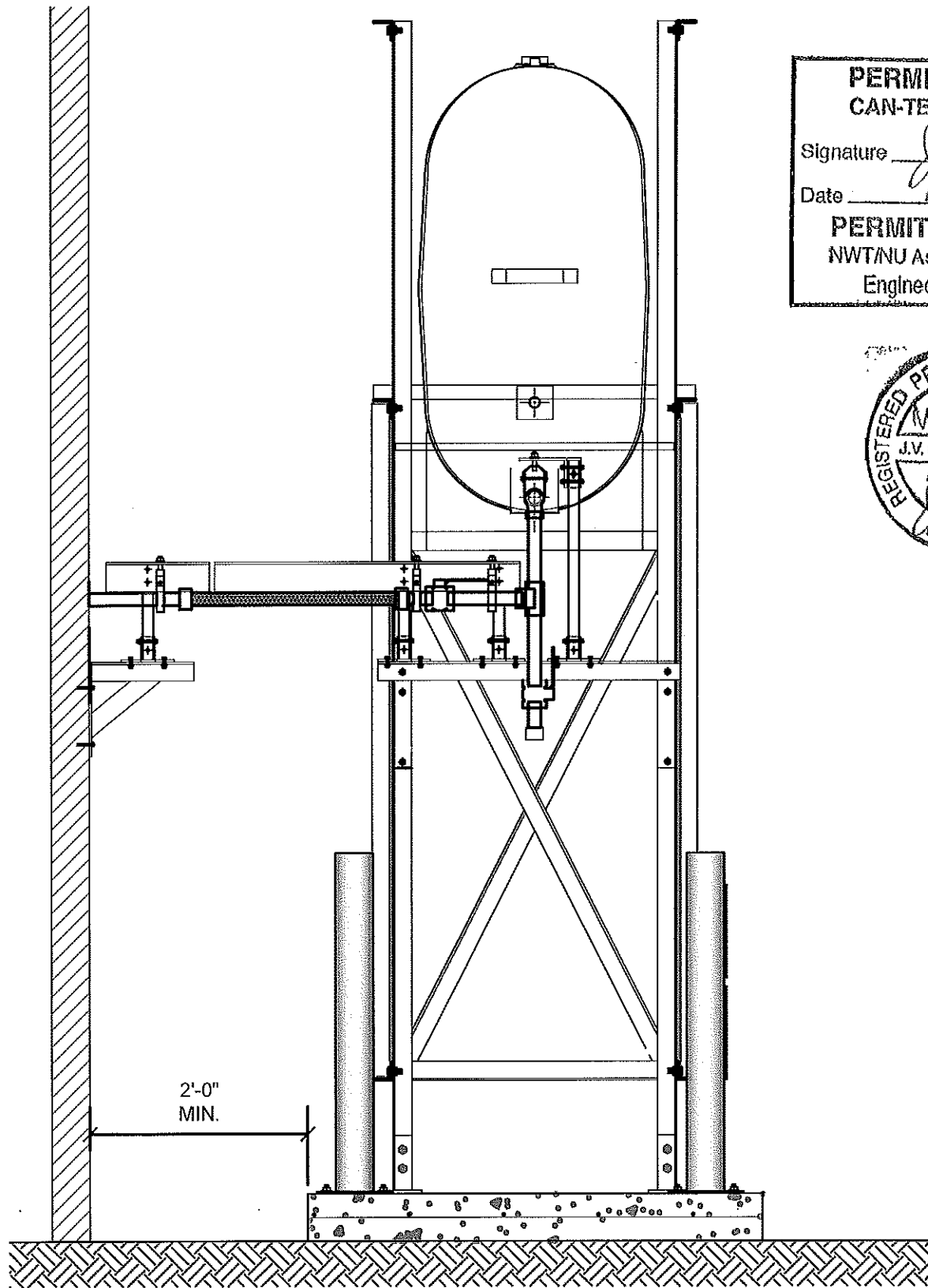
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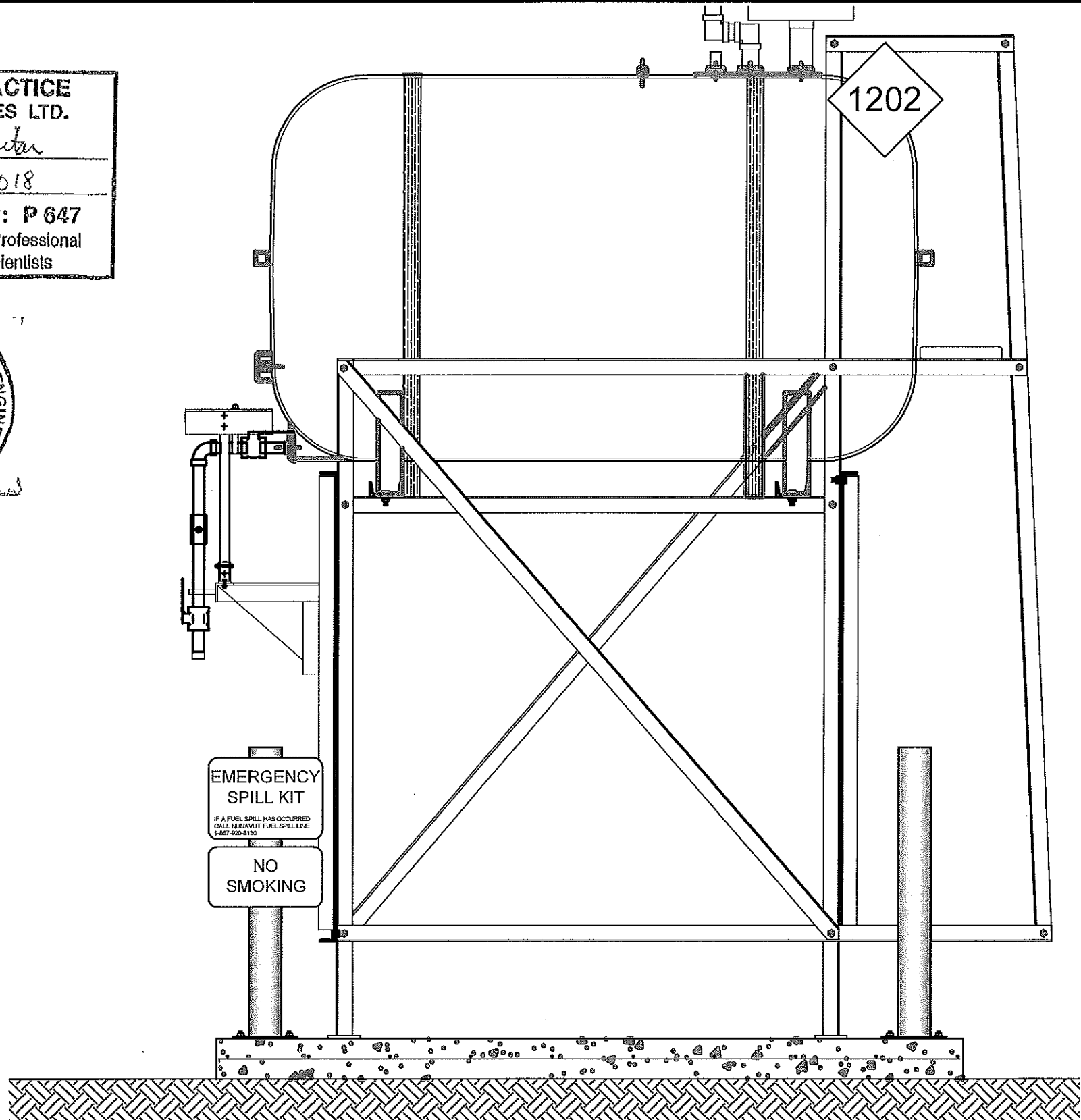
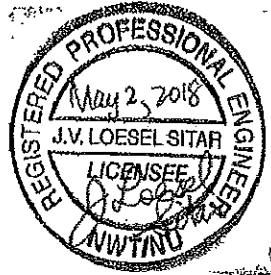
M1.0

REVISION NUMBER:  
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01 OIL TANK ELEVATION - A  
M2.0 SCALE: 3/4"-1'-0"

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02 OIL TANK ELEVATION - B  
M2.0 SCALE: 3/4"-1'-0"



PROJECT TITLE:  
 RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
 V104 - RESIDENCE, QIKIQTARJUAQ  
 SHEET TITLE:  
 TANK ELEVATIONS  
 PROJECT NUMBER:  
 16-028-14-30

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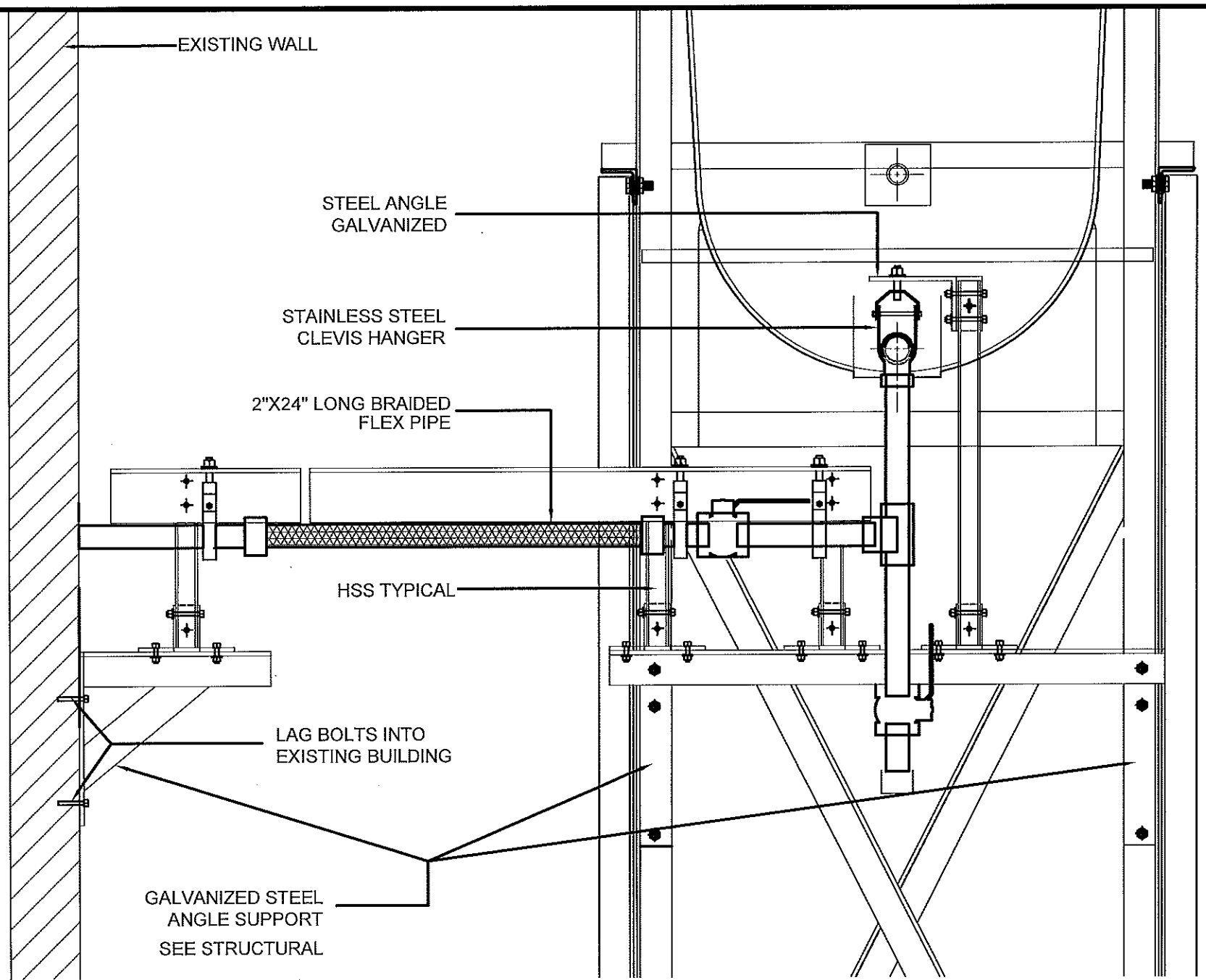
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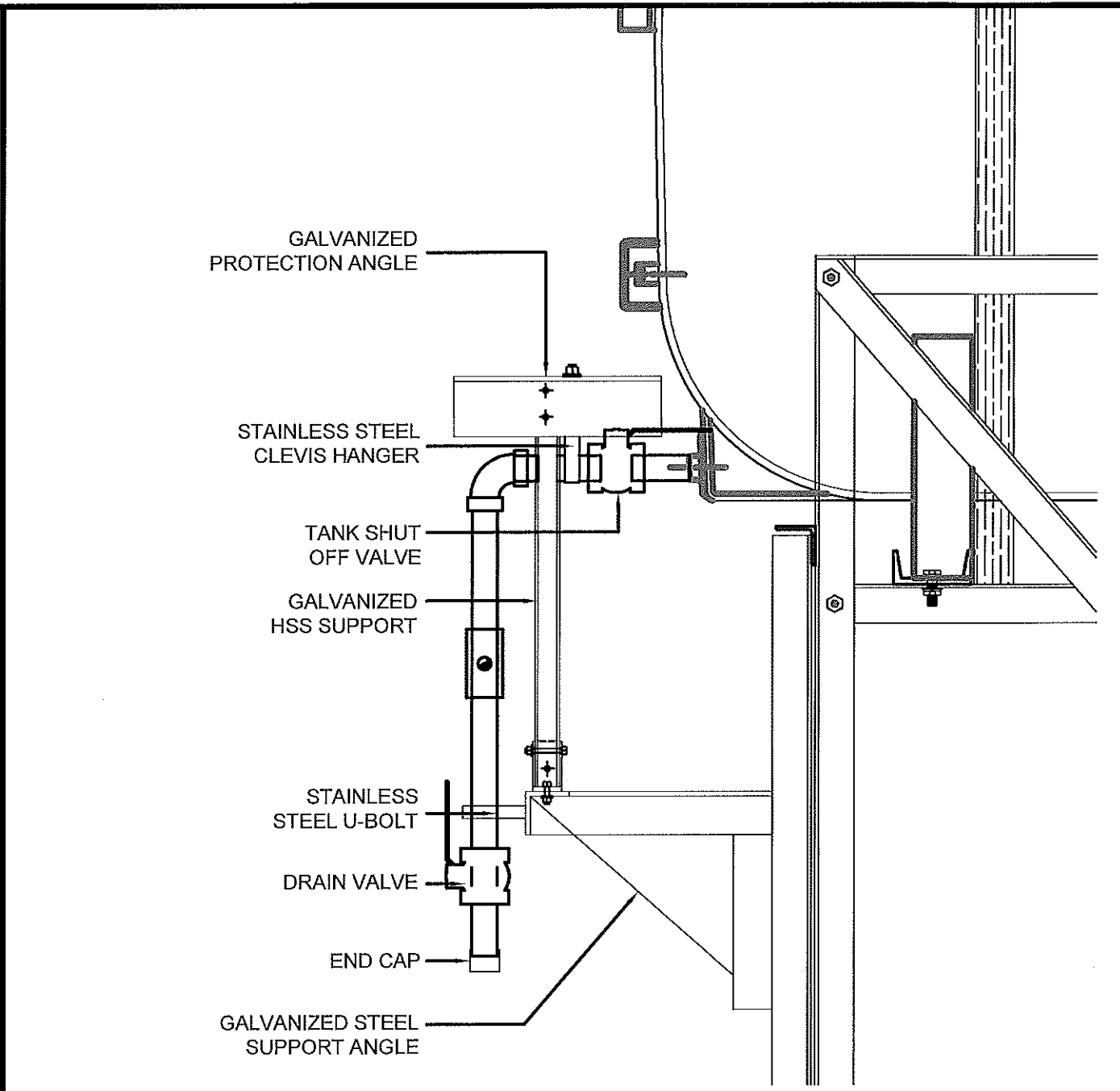
M2.0

REVISION NUMBER:  
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01 FRONT VIEW  
M2.1 SCALE: 1 1/2"-1'-0"



02 SIDE VIEW  
M2.1 SCALE: 1 1/2"-1'-0"

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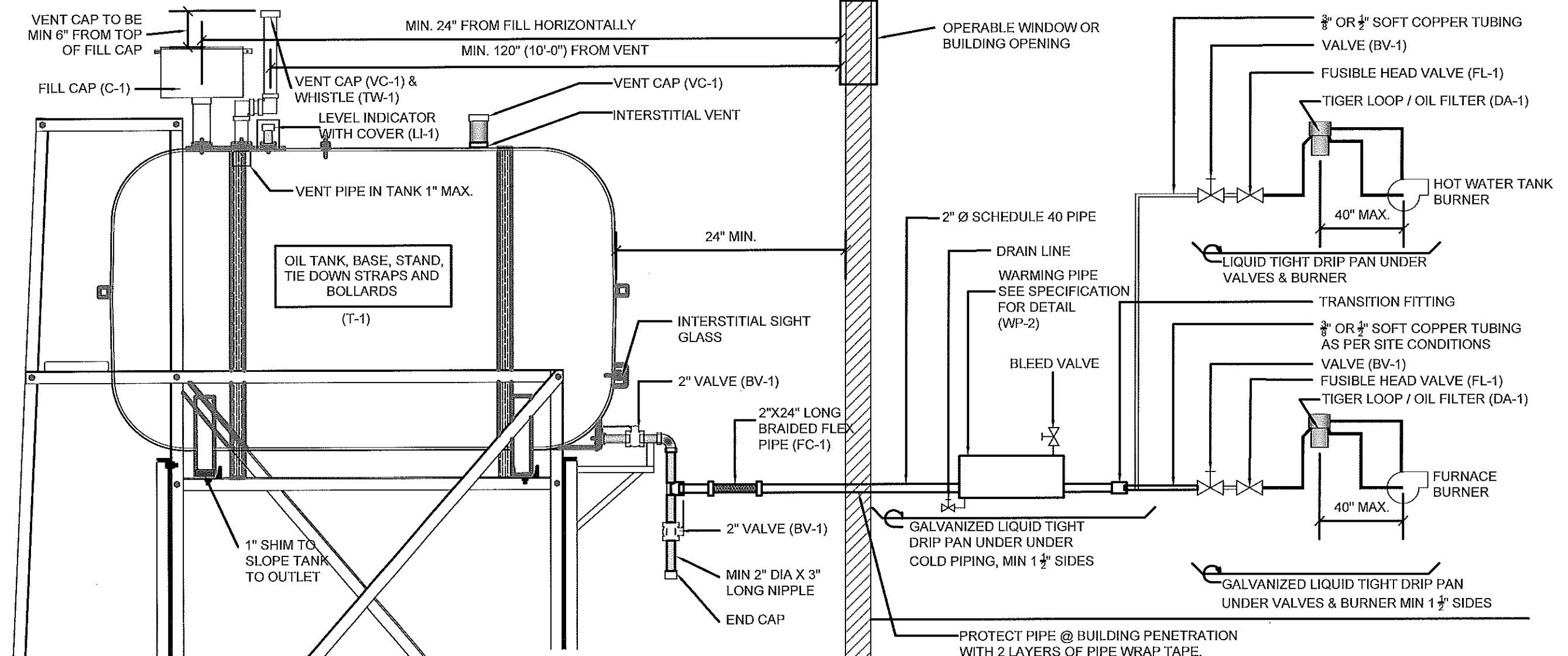
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RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
V104 - RESIDENCE, QIKIQTARJUAQ  
SHEET TITLE:  
2" FUEL LINE SUPPORT DETAIL  
PROJECT NUMBER:  
16-028-14-30

00	ISSUED FOR TENDER	18 05 02	JLS
REV. #	REVISION	DATE (YY MM DD)	REV. BY

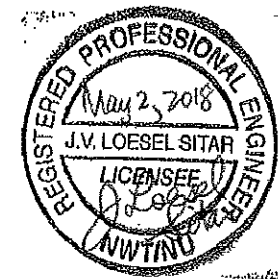
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SCALE:  
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18 05 02

DRAWING NUMBER:  
**M2.1**  
REVISION NUMBER:  
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**NOTES:**

1. ALL PIPE PASSING THOUGH BUILDING OPENINGS IS TO BE PROTECTED WITH 2 LAYERS OF WEATHER RESISTANT TAPE.
2. LOCATE NEW FUEL OIL FILTER (IF REQUIRED) WITHIN 40" OF BURNER. IF FILTER MUST BE MORE THAN 40" AWAY, ADJUST FUSIBLE HEAD VALVE TO BE WITHIN 40" OF BURNER.
3. ALL PIPING TO BE PRE PAINTED. ONLY TOUCH UPS PERMITTED FOR STANDARD INSTALLATIONS.
4. ADD WARNING SIGNS AS NOTED ON ELEVATIONS

01 SCHEMATIC - TANK, PIPING & ACCESSORIES : ON STAND  
 M3.0 SCALE: NTS



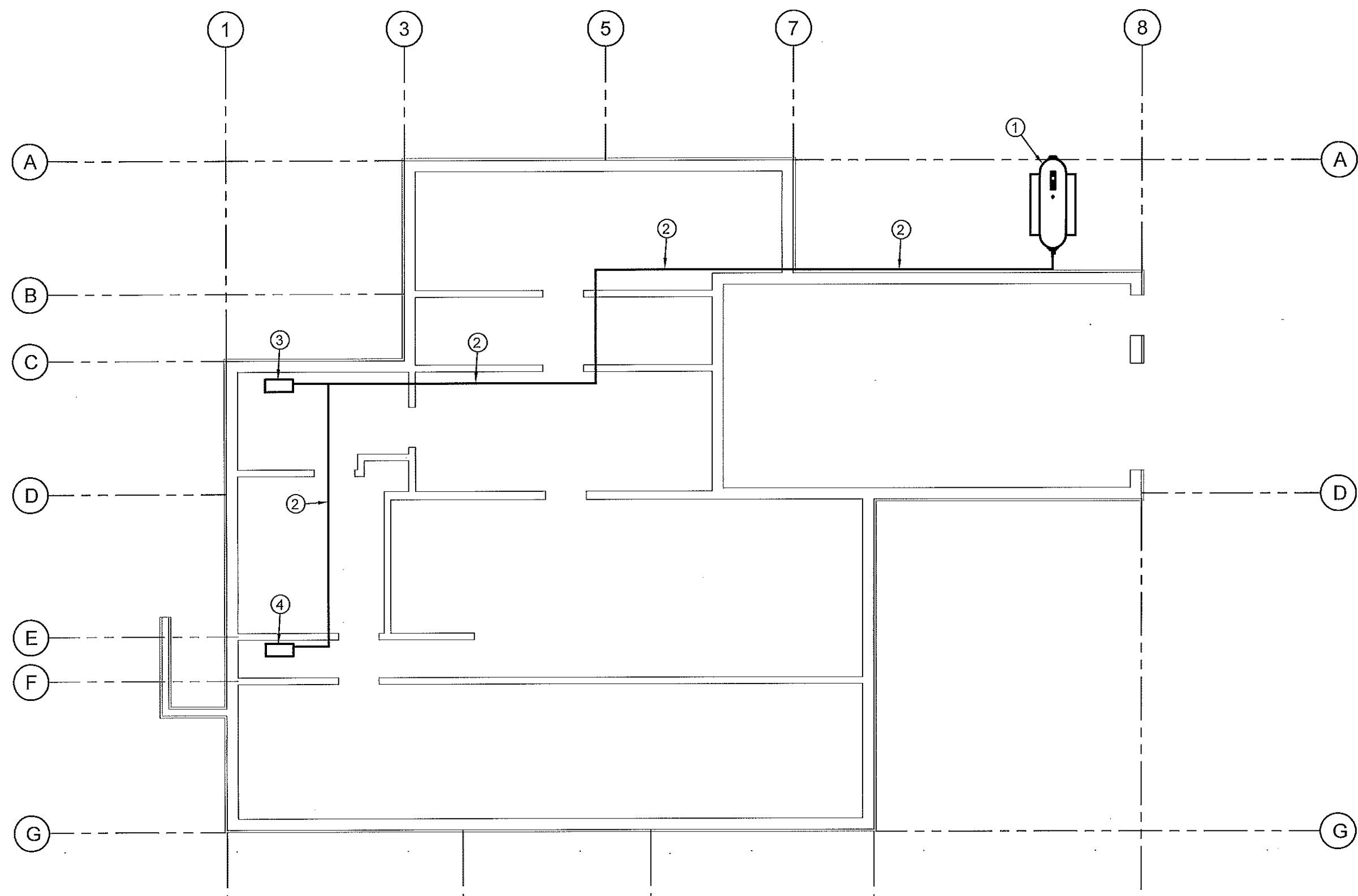
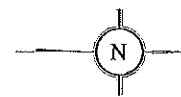
PROJECT TITLE:  
 RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
 V104 - RESIDENCE, QIKIQTARJUAQ  
 SHEET TITLE:  
 SCHEMATIC - TANK, PIPING & ACCESSORIES  
 PROJECT NUMBER:  
 16-028-14-30

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SCALE:  
 AS NOTED  
 DATE (YY MM DD):  
 18 05 02

DRAWING NUMBER:  
**M3.0**  
 REVISION NUMBER:  
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**DRAWING NOTES: #**

- 1. REMOVE EXISTING OIL TANK, STAND AND BASE
- 2. REMOVE EXISTING PIPING AND SUPPORTS
- 3. REMOVE EXISTING GENERATOR DAY TANK
- 4. REMOVE EXISTING BOILER DAY TANK

**DEMOLITION NOTES:**

- 1. REMOVE ALL FUEL FROM THE EXISTING TANK AND DISPOSE OF AS PER LOCAL REGULATIONS
- 2. REMOVE EXISTING OIL TANK, STAND AND PAD AND DISPOSE OF AS PER LOCAL REGULATIONS.
- 3. EXISTING TANK THAT IS ON SITE IS TO BE DEMOLISHED. UNDER NO CIRCUMSTANCES IS IT TO BE SOLD OR USED ON A DIFFERENT BUILDING.



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01 DEMOLITION PLAN  
 M1.0 SCALE: NTS



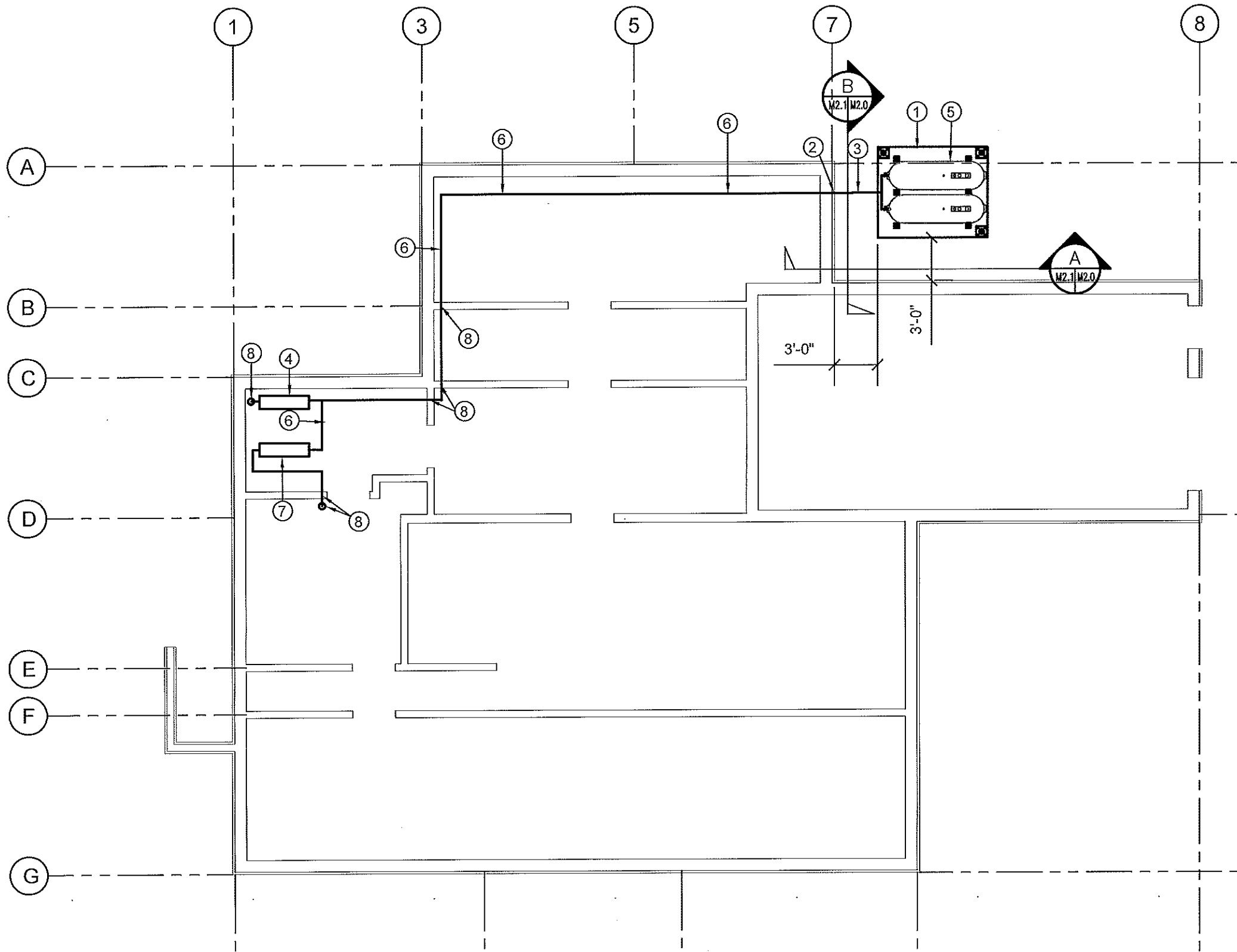
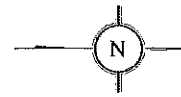
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 RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
 V088 - DETACHMENT, QIKIQTARJUAQ  
 SHEET TITLE:  
 DEMOLITION PLAN - CRAWL SPACE  
 PROJECT NUMBER:  
 16-028-14-30

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DRAWING NUMBER:  
**M1.0**  
 REVISION NUMBER:  
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- DRAWING NOTES: #
1. INSTALL NEW DOUBLE OIL TANK, STAND AND CONCRETE PAD
  2. CAULK ENTRY INTO BUILDING
  3. INSTALL NEW PIPING SUPPORTS. SEE DETAIL C SHEET M2.1
  4. INSTALL NEW GENERATOR DOUBLE WALL TANK ( T-2) SEE SCHEMATIC FOR DETAILS
  5. TANK STAND TO BE #5 SEE STRUCTURAL FOR DETAILS
  6. NEW FUEL PIPING
  7. NEW OIL WARMING PIPE (WP-1)
  8. FIRE CAULK AT ALL FIRE WALL TRANSITIONS



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**PERMIT NUMBER: P 647**  
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 Engineers and Geoscientists

01 CONSTRUCTION PLAN  
 M1.0 SCALE: NTS



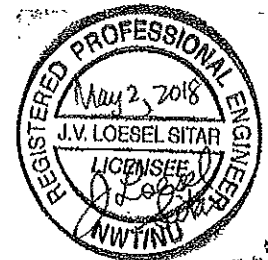
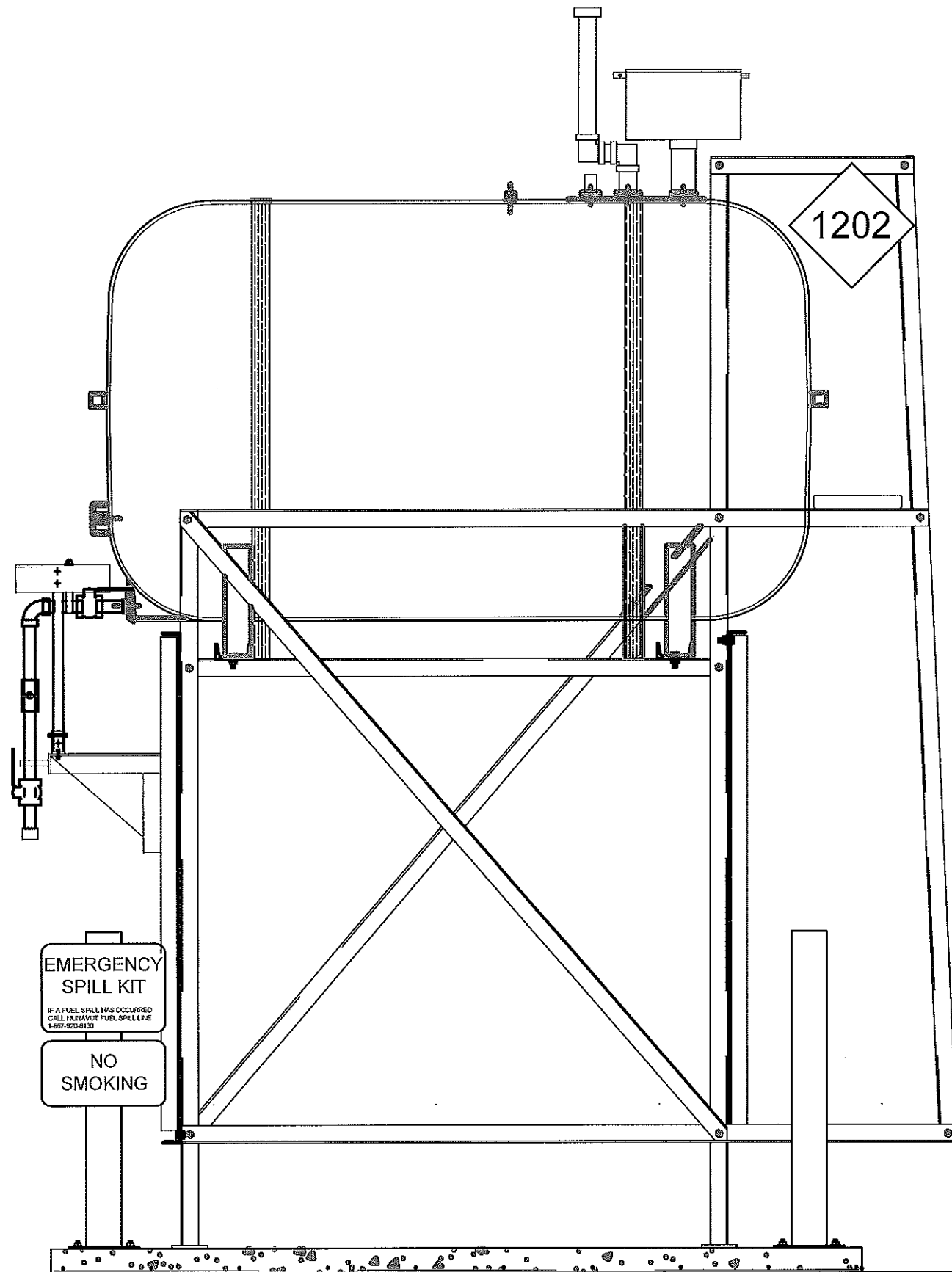
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 RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
 V088 - DETACHMENT, QIKIQTARJUAQ  
 SHEET TITLE:  
 CONSTRUCTION PLAN CRAWL SPACE  
 PROJECT NUMBER:  
 16-028-14-30

00	ISSUED FOR TENDER	18 05 02	JLS
REV. #	REVISION	DATE (YY MM DD)	REV. BY

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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SCALE:  
 AS NOTED  
 DATE (YY MM DD):  
 18 05 02

DRAWING NUMBER:  
**M1.1**  
 REVISION NUMBER:  
 00



**PERMIT TO PRACTICE**  
**CAN-TEC SERVICES LTD.**  
 Signature J. Loesel Sitar  
 Date May 2, 2018  
**PERMIT NUMBER: P 647**  
 NWT/NU Association of Professional  
 Engineers and Geoscientists

01 SECTION A  
 M2.1 SCALE: 1"=1'-0"



PROJECT TITLE:  
 RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
 V088 - DETACHMENT, QIKIQTARJUAQ  
 SHEET TITLE:  
 TANK ELEVATIONS  
 PROJECT NUMBER:  
 16-028-14-30

00	ISSUED FOR TENDER	18 05 02	JLS
REV. #	REVISION	DATE (YY MM DD)	REV. BY

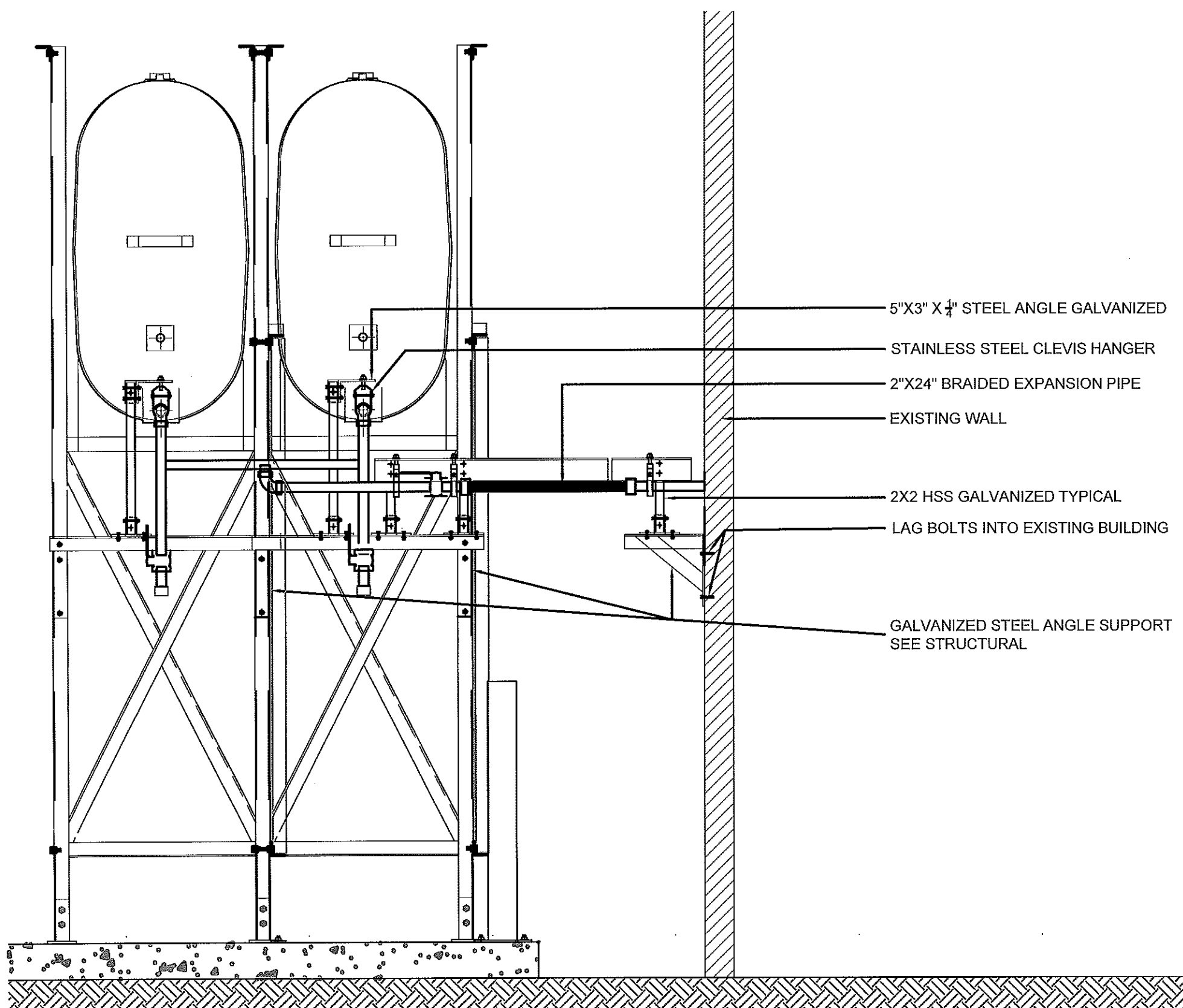
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SCALE:  
 AS NOTED  
 DATE (YY MM DD):  
 18 05 02

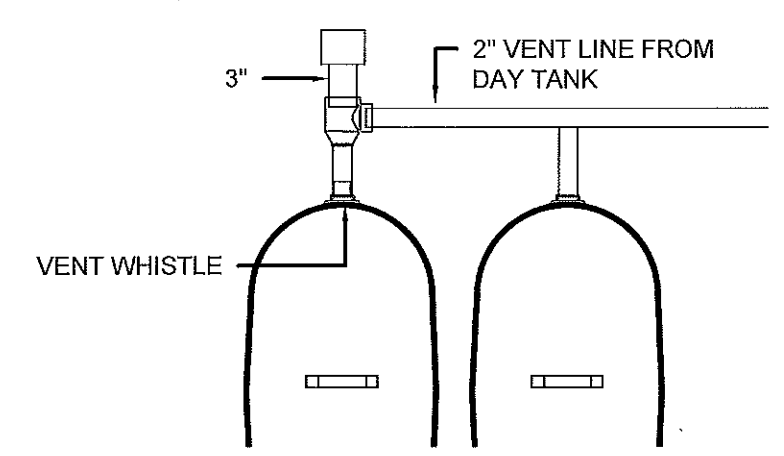
DRAWING NUMBER:

M2.0

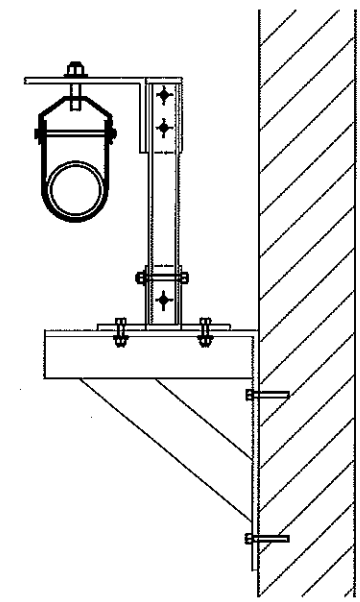
REVISION NUMBER:  
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- 5"X3" X 1/4" STEEL ANGLE GALVANIZED
- STAINLESS STEEL CLEVIS HANGER
- 2"X24" BRAIDED EXPANSION PIPE
- EXISTING WALL
- 2X2 HSS GALVANIZED TYPICAL
- LAG BOLTS INTO EXISTING BUILDING
- GALVANIZED STEEL ANGLE SUPPORT  
SEE STRUCTURAL



02 TANK VENT DETAIL  
M2.1 SCALE: 1/2"=1'-0"



03 WALL PIPE SUPPORT  
M2.1 SCALE: 1/2"=1'-0"

01 SECTION B  
M2.1 SCALE: 3/4"=1'-0"



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CAN-TEC SERVICES LTD.  
Signature: *J. Loesel Sitar*  
Date: *May 2, 2018*  
**PERMIT NUMBER: P 647**  
NWT/NU Association of Professional  
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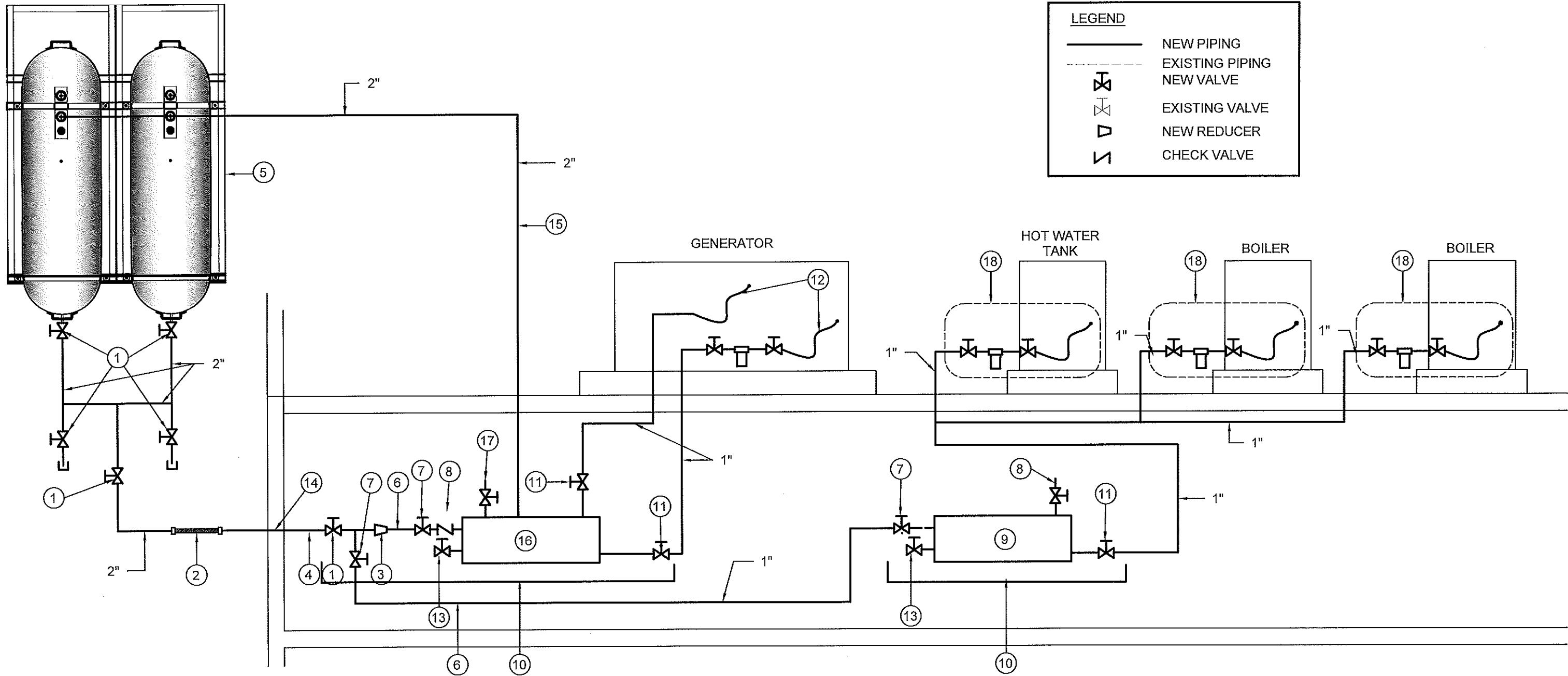
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RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
V088 - DETACHMENT, QIKIQTARJUAQ  
SHEET TITLE:  
TANK ELEVATIONS  
PROJECT NUMBER:  
16-028-14-30

REV. #	REVISION	DATE (YY MM DD)	REV. BY
00	ISSUED FOR TENDER	18 05 02	JLS

REV. #	REVISION	DATE (YY MM DD)	REV. BY

SCALE:  
AS NOTED  
DATE (YY MM DD):  
18 05 02

DRAWING NUMBER:  
**M2.1**  
REVISION NUMBER:  
00



**LEGEND**

- NEW PIPING
- - - EXISTING PIPING
- ⊕ NEW VALVE
- ⊕ EXISTING VALVE
- ▽ NEW REDUCER
- ∩ CHECK VALVE

**DRAWING NOTES: (#)**

- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"> <li>1. NEW VALVE 2" (BV-1)</li> <li>2. 2"X24" LONG BRAIDED FLEX PIPE (FC-1)</li> <li>3. NEW REDUCER 2" TO 1"</li> <li>4. 2" PIPE FROM EXTERIOR WALL TO JUST BEFORE DAY TANK</li> <li>5. TWO - FIBERGLASS OIL TANKS, STANDS AND CONCRETE BASE. SEE DETAILS SHEET M2.1 AND M2.2</li> <li>6. FUEL LINE 1"</li> </ul> | <ul style="list-style-type: none"> <li>7. NEW VALVE (BV-1)</li> <li>8. NEW BLEED VALVE</li> <li>9. NEW WARMING TANK C/W SUPPORTS (WP-1)</li> <li>10. NEW DRIP PAN. GALVANIZED STEEL, SIDES MIN 38MM HIGH, UNDER TANK AND VALVES</li> <li>11. NEW VALVE (BV-1)</li> <li>12. NEW FUEL LINE</li> <li>13. NEW DRAIN VALVE</li> <li>14. APPLY 2 LAYERS OF PIPE TAPE FOR PIPE GOING THROUGH EXTERIOR WALL</li> </ul> | <ul style="list-style-type: none"> <li>15. NEW VENT TO TANK SEE DETAIL M2.1</li> <li>16. NEW DOUBLE WALL DAY TANK T-2</li> <li>17. CHECK VALVE</li> <li>18. SEE DETAIL 2 SHEET M3.1</li> </ul> |
|--|--|--|



**PERMIT TO PRACTICE**  
**CAN-TEC SERVICES LTD.**  
 Signature J. Loesel Sitar  
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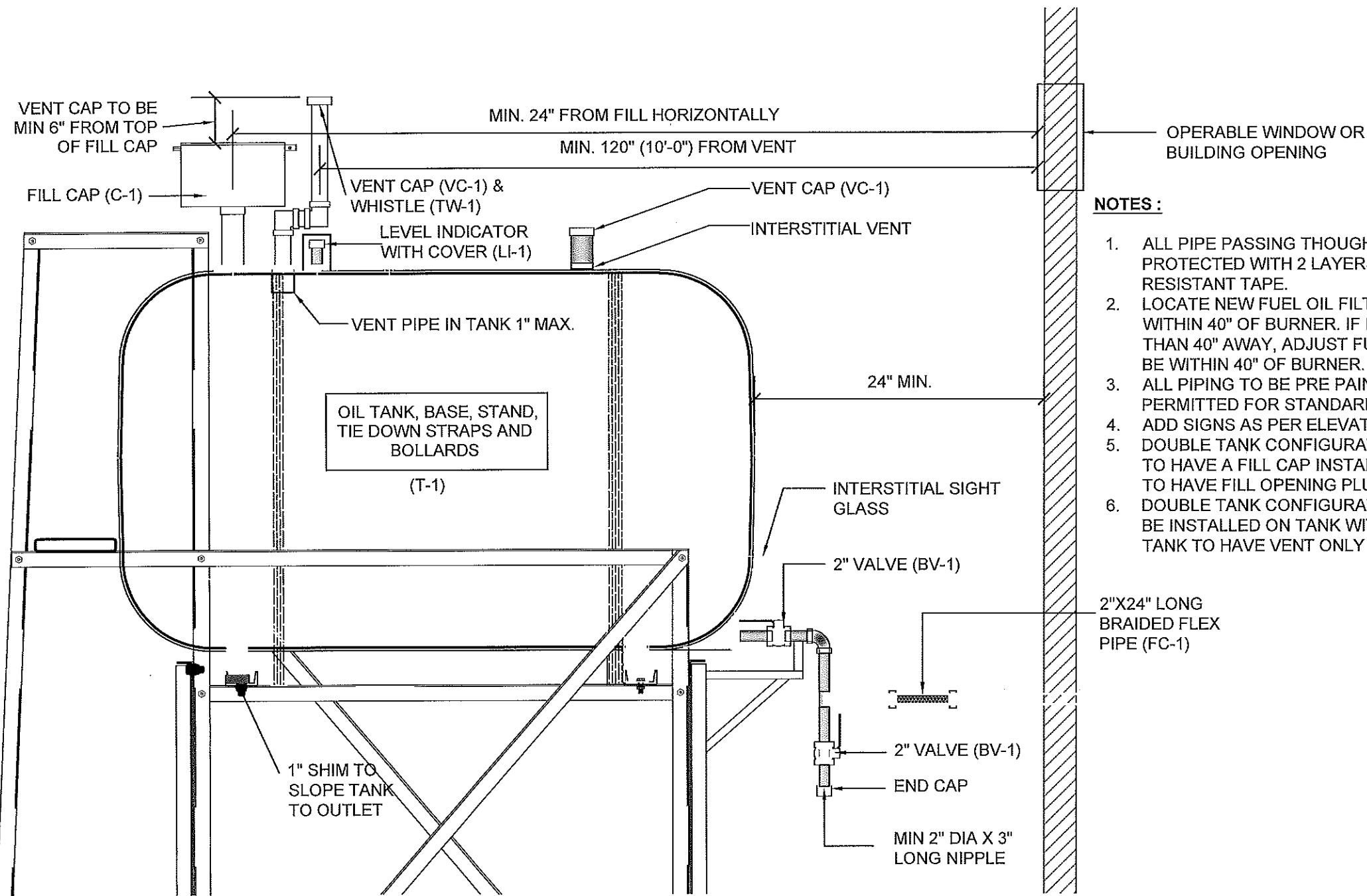
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 RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
 V088 - DETACHMENT, QIKIQTARJUAQ  
 SHEET TITLE:  
 SCHEMATIC  
 PROJECT NUMBER:  
 16-028-14-30

REV. #	REVISION	DATE (YY MM DD)	REV. BY
00	ISSUED FOR TENDER	18 05 02	JLS

REV. #	REVISION	DATE (YY MM DD)	REV. BY

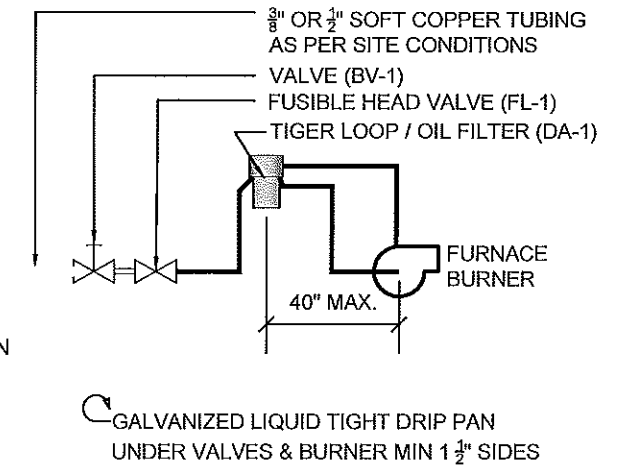
SCALE:  
 AS NOTED  
 DATE (YY MM DD):  
 18 05 02

DRAWING NUMBER:  
**M3.0**  
 REVISION NUMBER:  
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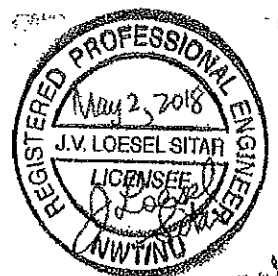
**NOTES :**

1. ALL PIPE PASSING THOUGH OPENINGS IS TO BE PROTECTED WITH 2 LAYERS OF WEATHER RESISTANT TAPE.
2. LOCATE NEW FUEL OIL FILTER (IF REQUIRED) WITHIN 40" OF BURNER. IF FILTER MUST BE MORE THAN 40" AWAY, ADJUST FUSIBLE HEAD VALVE TO BE WITHIN 40" OF BURNER.
3. ALL PIPING TO BE PRE PAINTED. ONLY TOUCH UPS PERMITTED FOR STANDARD INSTALLATIONS.
4. ADD SIGNS AS PER ELEVATIONS
5. DOUBLE TANK CONFIGURATION: ONLY ONE TANK IS TO HAVE A FILL CAP INSTALLED. ADJACENT TANK IS TO HAVE FILL OPENING PLUGGED.
6. DOUBLE TANK CONFIGURATION: VENT WHISTLE TO BE INSTALLED ON TANK WITH FILL CAP. ADJACENT TANK TO HAVE VENT ONLY



01 TYPICAL TANK SCHEMATIC  
M3.1 SCALE: NTS

2 SCHEMATIC - PIPING TO BOILER/HWT  
M3.1 SCALE: NTS



**PERMIT TO PRACTICE**  
CAN-TEC SERVICES LTD.  
Signature *J. Loesel Sitar*  
Date *May 2, 2018*  
**PERMIT NUMBER: P 647**  
NWT/NU Association of Professional Engineers and Geoscientists



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT - QIKIQTARJUAQ  
V088 - DETACHMENT, QIKIQTARJUAQ  
SHEET TITLE:  
SCHEMATIC  
PROJECT NUMBER:  
16-028-14-30

00	ISSUED FOR TENDER	18 05 02	JLS
REV. #	REVISION	DATE (YY MM DD)	REV. BY

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SCALE:  
AS NOTED  
DATE (YY MM DD):  
18 05 02

DRAWING NUMBER:  
**M3.1**  
REVISION NUMBER:  
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## GENERAL NOTES:

- DO NOT SCALE DRAWINGS.
- COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO COMMENCING CONSTRUCTION.
- SEE ARCHITECTURAL DRAWINGS FOR ELEVATIONS, SLOPES, ROUGH OPENING DIMENSIONS FOR WINDOWS, DOORS, ETC.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENINGS IN FLOORS, ROOF, WALLS, ETC.
- DO NOT CUT OR DRILL OPENINGS IN ANY STRUCTURAL MEMBERS WITHOUT WRITTEN APPROVAL FROM BEACH ROCKE ENGINEERING LTD.
- BEACH ROCKE ENGINEERING LTD. SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF REQUIRED SITE INSPECTIONS. (TEL: 1-204-255-7251, FAX: 1-204-257-7239).
- STRUCTURAL DRAWINGS SHOW THE COMPLETED STRUCTURE. THEY DO NOT SHOW COMPONENTS WHICH MAY BE NECESSARY FOR SAFETY DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SITE SAFETY AND TO ENSURE THAT ALL SUBTRADES CONFORM TO THE LATEST REGULATIONS OF THE PROVINCIAL "BUILDING PROTECTION ACT", TO PROVIDE ALL NECESSARY SAFETY EQUIPMENT AS REQUIRED THEREIN AND TO NOTIFY LOCAL AUTHORITIES AS REQUIRED BY LAW.
- THE CONTRACTOR SHALL CONFORM TO THE COLD WEATHER REQUIREMENTS OF THE CSA STANDARD A23.1/A23.2 AND THE NATIONAL BUILDING CODE.
- IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO LOCATE ALL SITE SERVICES PRIOR TO CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL DESIGN ALL SHORING, FORM WORK, AND BRACING TO ENSURE PROPER CONSTRUCTION AND ERECTION.
- THE CONTRACTOR SHALL VISIT THE SITE, AND NOTE ALL CHARACTERISTICS AND IRREGULARITIES AFFECTING THE WORK OF THIS SECTION.
- SHOP DRAWINGS NOT STAMPED, SIGNED, AND DATED BY THE CONTRACTOR WILL BE RETURNED AND SHALL BE CONSIDERED REJECTED. SHOP DRAWINGS FOR WORK DESIGNED BY THE CONTRACTOR SHALL BEAR THE SEAL AND SIGNATURE OF A QUALIFIED PROFESSIONAL ENGINEER IN THE PROJECTS PROVINCE.
- THE CONTRACTOR SHALL SUBMIT AT LEAST 3 COPIES OF STAMPED SHOP DRAWINGS FOR ALL PRE-FABRICATED STRUCTURAL ASSEMBLIES, INCLUDING REINFORCING STEEL TO BEACH ROCKE ENGINEERING LTD. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. ALL SHOP DRAWINGS, EXCEPT REINFORCING STEEL, SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE PROJECTS PROVINCE.

## SLAB-ON-GRADE NOTES:

- ALL SLAB-ON-GRADE WILL EXPERIENCE MOVEMENT AND CRACKING DUE TO HEAVING AND SOIL EXPANSION RESULTING FROM THE NATURE OF THE CLAY SOIL, PREVIOUS AND PRESENT LEVEL OF VEGETATION AT THE SITE, SOIL MOISTURE LEVEL AND CONSTRUCTION PRACTICES. BEACH ROCKE ENGINEERING LTD. ACCEPTS NO LIABILITY FOR THIS CRACKING AND /OR MOVEMENT.

## CONCRETE NOTES:

- CONCRETE SHALL BE MANUFACTURED AND PLACED IN ACCORDANCE WITH THE CSA STANDARDS A23.1-09/A23.2-09.
- THE CONTRACTOR SHALL PROVIDE ONE SET OF STANDARD CONCRETE CYLINDER TEST RESULTS CONDUCTED BY AN INDEPENDENT TESTING FIRM FOR EACH DAYS POUR AND AN ADDITIONAL SET OF CYLINDERS FOR EVERY 50 CUBIC METERS POURED AT NO EXTRA COST TO THE OWNER. TEST RESULTS ARE TO BE FORWARDED TO BEACH ROCKE ENGINEERING LTD. IMMEDIATELY UPON RECEIPT FROM THE TESTING FIRM.
- PROVIDE A MINIMUM 150mm (6") VOID UNDER ALL BEAMS, WALLS AND STRUCTURAL SLABS. VOID TO BE SHEARMAT OR APPROVED CARDBOARD VOIDFORM.
- VIBRATE ALL CONCRETE TO ENSURE COMPLETE CONSOLIDATION.
- THE LOCATIONS OF CONSTRUCTION JOINTS IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE APPROVED BY BEACH ROCKE ENGINEERING LTD.
- WHEN THE OUTSIDE TEMPERATURE FALLS BELOW 5 DEGREES CENTIGRADE, THE CONTRACTOR SHALL CONFORM TO CSA STANDARD A23.1-09/A23.2-09 AND THE NATIONAL BUILDING CODE FOR COLD WEATHER CONCRETING PROCEDURES, AND SHALL RECIEVE WRITTEN APPROVAL FROM BEACH ROCKE ENGINEERING LTD. PRIOR TO COMMENCING CONCRETE CONSTRUCTION.
- PROVIDE  $\frac{1}{8}$ " x 1" SAW CUTS AT 20' O.C. BOTH WAYS IN FLOOR SLABS UNLESS OTHERWISE NOTED ON DRAWINGS.
- CONCRETE SHALL CONFORM TO THE FOLLOWING:

NAME	CONC. TYPE	STRENGTH	MAX. AGG.	SLUMP(MAX) AIR	EXPOSURE CLASS
SLABS	TYPE 10	32MPA @ 28 DAYS	20mm	120mm 5-8%	C-2

## REINFORCING STEEL NOTES:

- REINFORCING STEEL SHALL BE NEW BILLET DEFORMED BARS MANUFACTURED AND DETAILED IN ACCORDANCE WITH CAN/CSA-G30.18-M92, WITH MINIMUM YEILD STRENGTH AS FOLLOWS: 10M BARS-300MPA, 15M BARS & LARGER - 400MPA.
- REINFORCING STEEL SHALL BE FREE FROM LOOSE RUST, MUD, OIL OR OTHER COATINGS WHICH MAY REDUCE THE BOND OR HARM THE CONCRETE.
- REINFORCING STEEL SHALL BE HELD IN PLACE AND TIED WITH PROPER ACCESSORIES SUCH AS HI-CHAIRS, SPACERS, TIES, ETC. SUPPLIED BY THE REINFORCING STEEL PROVIDER. APPROPRIATE SUPPORT SHALL BE PROVIDED UNDER ALL SUPPORT ACCESSORIES TO ENSURE THAT THE REINFORCING STEEL IS ACCURATELY POSITIONED.
- LAP TOP BARS AT MID-SPAN AND BOTTOM BARS OVER SUPPORTS.
- BEND ALL HORIZONTAL STEEL 18" AROUND CORNERS, OR USE EXTRA 36"x36" CORNER BARS TO MATCH HORIZONTALS.
- PROVIDE 2-15M AROUND ALL SLAB, WALL, & BEAM OPENINGS, UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS.
- CONCRETE COVER TO REINFORCING STEEL SHALL BE AS FOLLOWS:
  - CONCRETE CAST IN DIRECT CONTACT WITH SOIL - 75mm (3")
  - FORMED CONCRETE IN CONTACT WITH SOIL 15M OR SMALLER - 50mm (2")
  - FORMED CONCRETE IN CONTACT WITH SOIL 20M OR LARGER - 40mm (1  $\frac{1}{2}$ ")
  - FORMED CONCRETE NOT IN CONTACT WITH SOIL (BEAMS AND COLUMNS) - 40mm (1  $\frac{1}{2}$ ")
  - FORMED CONCRETE NOT IN CONTACT WITH SOIL (SLABS AND WALLS) - 20mm ( $\frac{3}{4}$ ")
- MISCELLANEOUS CONCRETE HOUSEKEEPING PADS AND CURBS SHALL BE REINFORCED WITH A MINIMUM 10M AT 18" O.C. EACH WAY UNLESS NOTED. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

## STRUCTURAL STEEL NOTES:

- STRUCTURAL STEEL SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE CAN/CSA-S16-09 BY FULLY CERTIFIED MEMBERS OF THE CANADIAN INSTITUTE OF STEEL CONSTRUCTION.
- ALL STRUCTURAL STEEL SHALL CONFORM TO THE CAN/CSA G40.21-350W CLASS C TO SIZES AND SHAPES INDICATED ON THE DRAWINGS. NO SUBSTITUTIONS IN GRADES OR SIZES ARE PERMITTED WITHOUT WRITTEN APPROVAL OF BEACH ROCKE ENGINEERING LTD. ALL ANGLES AND PLATES TO BE G40.21-300W.
- ALL FABRICATION SHALL BE CARRIED OUT IN PLANT FACILITIES CERTIFIED BY THE CANADIAN WELDING BUREAU TO CSA S16-09 AND S136. SITE FABRICATION IS NOT PERMITTED WITHOUT WRITTEN APPROVAL FROM BEACH ROCKE ENGINEERING LTD.
- ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE CSA W59 BY WELDERS FULLY CERTIFIED FOR STRUCTURAL WELDING BY THE CANADIAN BUREAU TO CSA W47.1. ALL BASE AND CAP PLATES SHALL BE FULLY WELDED TO COLUMNS.
- STRUCTURAL FASTENERS SHALL BE A325 BOLTS. ANCHOR BOLTS SHALL BE 18" LG. C/W 3"HOOK (A307) UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS. BASE AND CAP PLATES TO BE 3/4" THICK. CAP PLATES TO HAVE MIN. 4 BOLT (A325) CONNECTION UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS.
- PROVIDE TEMPORARY GUYING AND BRACING AS NECESSARY TO PROVIDE STABILITY FOR THE WHOLE STRUCTURE UNTIL DECKING AND PERMANENT BRACING ARE SECURED IN PLACE.
- PROVIDE 3/8" STIFFENER PLATES IN ALL BEAMS CONTINUOUS OVER SUPPORTS. HOLES ARE NOT PERMITTED IN THE TOP FLANGES UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- CLEAN ALL FIELD WELDS AND TOUCH UP WITH PRIMER TO MATCH SHOP COAT - ZINC PAINT
- DESIGN AND FABRICATE CONNECTIONS FOR THE FULL STRENGTH OF THE MEMBER. SPLICING OF MEMBERS IS NOT PERMITTED UNLESS WRITTEN APPROVAL FROM THE DESIGN ENGINEER HAS BEEN PROVIDED.
- ALL STEEL SHALL BE GALVANIZED.**
- STRUCTURAL STEEL SUPPLIER SHALL PROVIDE STAMPED SHOP DRAWINGS TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

## STRUCTURAL DRAWING LIST:

- S1 - STRUCTURAL PROJECT NOTES
- S2 - TYP TANK SLAB, BOLLARD AND BASE PLATE DETAILS & ISOMETRIC VIEW OF METAL STAND
- S3 - CONNECTION #1 DETAILS
- S4 - CONNECTION #2 DETAILS
- S5 - TANK #1 - PLAN VIEW OF TANK ON SLAB
- S6 - TANK #1 - ELEVATIONS OF TANK ON SLAB
- S7 - TANK #2 - PLAN VIEW OF TANK ON LOW METAL STAND
- S8 - TANK #2 - ELEVATIONS OF LOW METAL STAND
- S9 - TANK #2 -ELEVATIONS OF LOW METAL STAND
- S10 - TANK #3 - PLAN VIEW OF TANK ON HIGH METAL STAND
- S11 - TANK #3 - ELEVATIONS OF HIGH METAL STAND
- S12 - TANK #3 - ELEVATIONS OF HIGH METAL STAND
- S13 - TANK #4 - PLAN VIEW OF TANK ON LOW DOUBLE METAL STAND
- S14 - TANK #4 - ELEVATIONS OF LOW DOUBLE METAL STAND
- S15 - TANK #4 - ELEVATIONS OF LOW DOUBLE METAL STAND
- S16 - TANK #5 - PLAN VIEW OF TANK ON HIGH DOUBLE METAL STAND
- S17 - TANK #5 - ELEVATIONS OF HIGH DOUBLE METAL STAND
- S18 - TANK #5 - ELEVATIONS OF HIGH DOUBLE METAL STAND



PROJECT TITLE:  
**RCMP "V" DIVISION OIL TANK REPLACEMENT**

SHEET TITLE:  
**PROJECT NOTES**

PROJECT NUMBER:  
**17-122-CG-39**



REV. #	REVISION	DATE (YY MM DD)	REV. BY
03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH

REV. # | REVISION | DATE (YY MM DD) | REV. BY

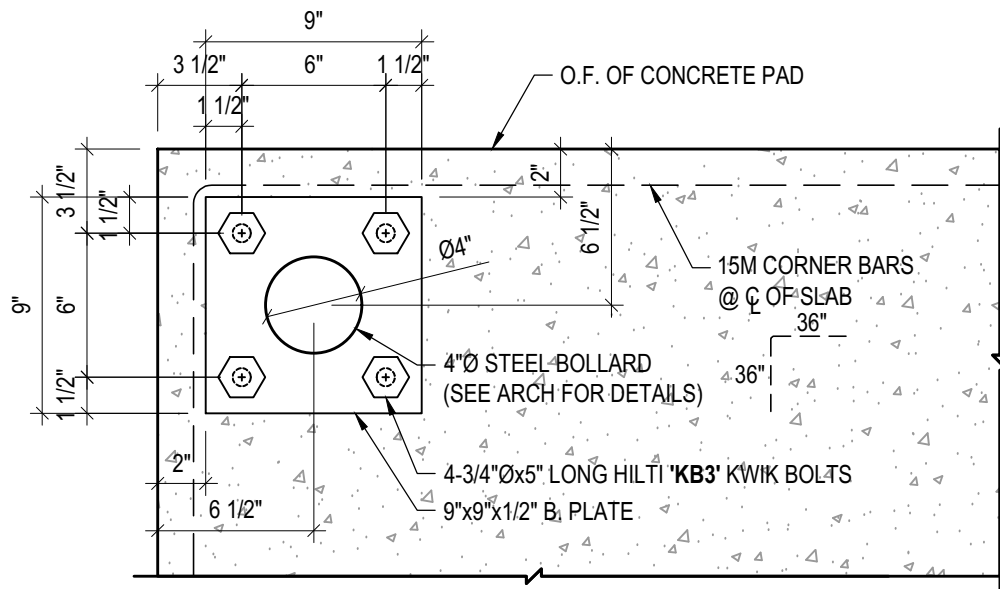
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**AS NOTED**

DATE (YY MM DD):  
**17 06 12**

DRAWING NUMBER:

**S1**

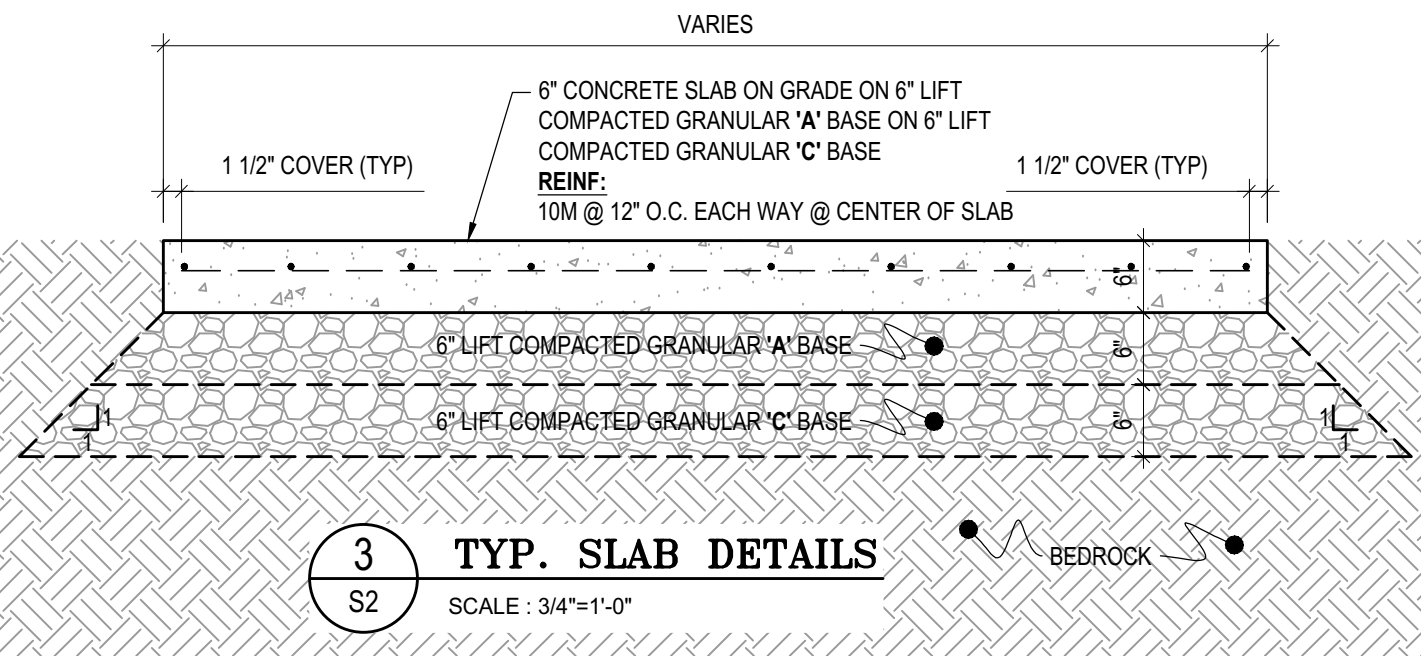
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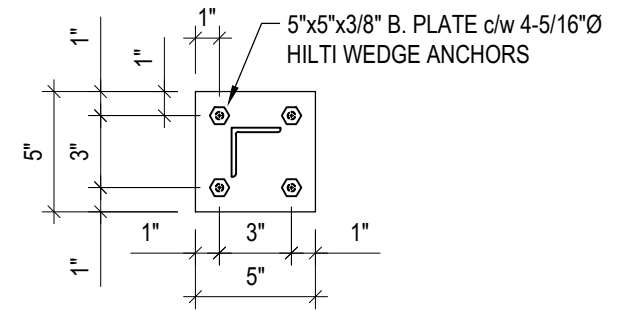
**1 TYP BOLLARD BASE PLATE DETAILS**  
S2 SCALE : 1 1/2"=1'-0"

**NOTES:**

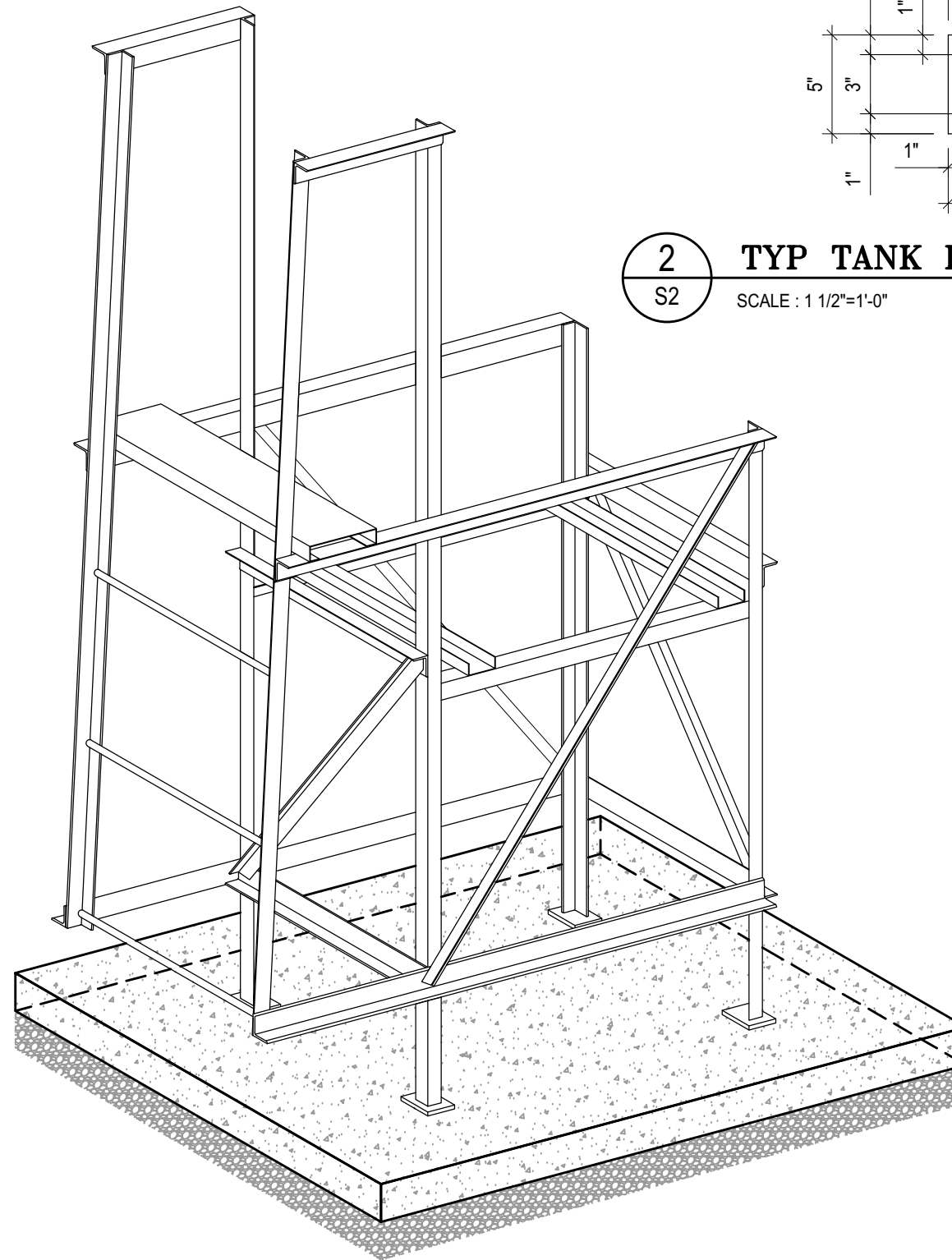
- ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)
- CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS



**3 TYP. SLAB DETAILS**  
S2 SCALE : 3/4"=1'-0"

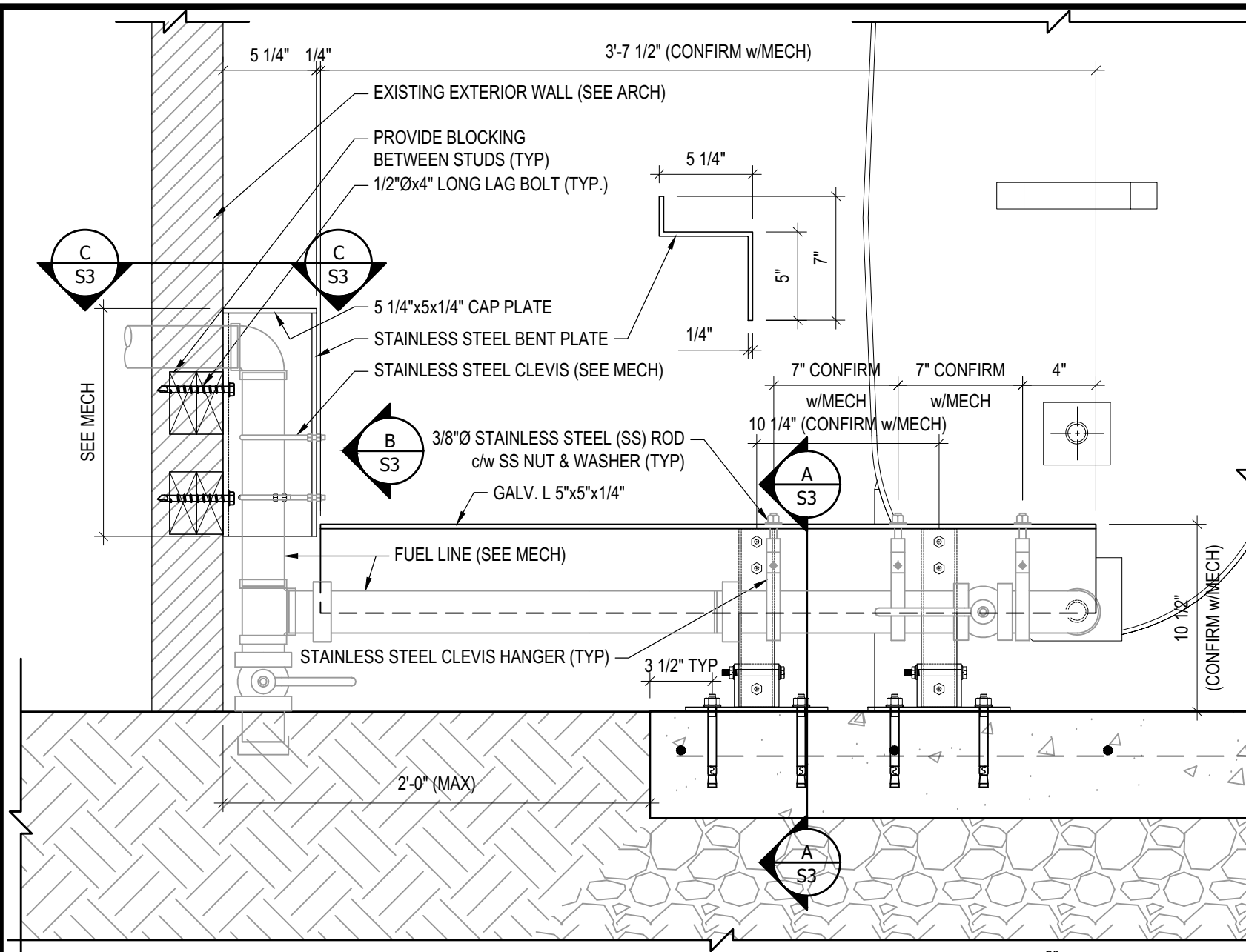


**2 TYP TANK BASE PLATE DETAIL**  
S2 SCALE : 1 1/2"=1'-0"



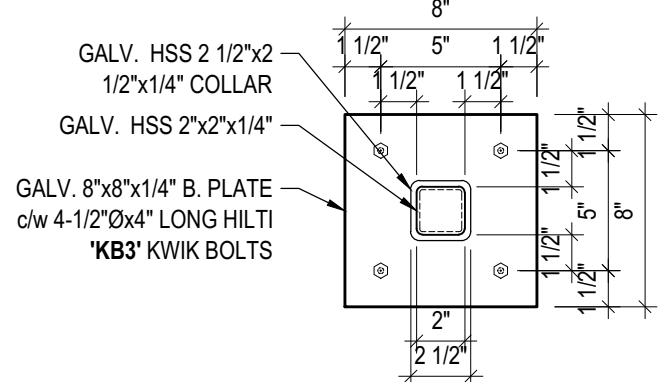
**4 TYP. ISOMETRIC VIEW OF METAL STANDS**  
S2 NOT TO SCALE



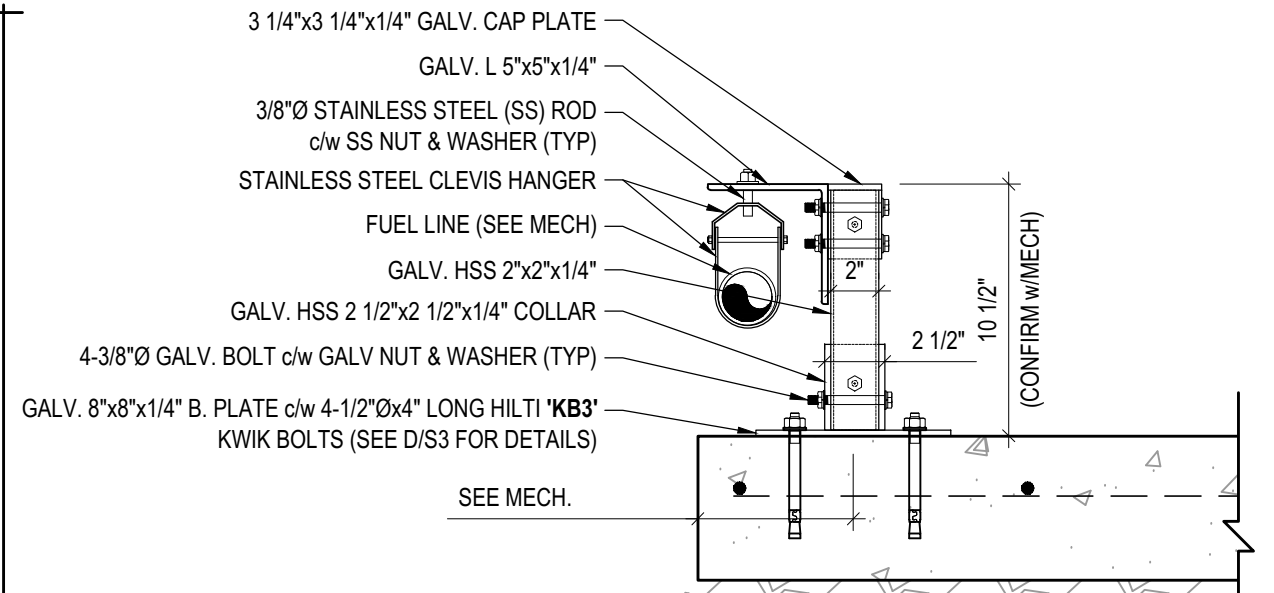


**1 CONNECTION #1 DETAILS**  
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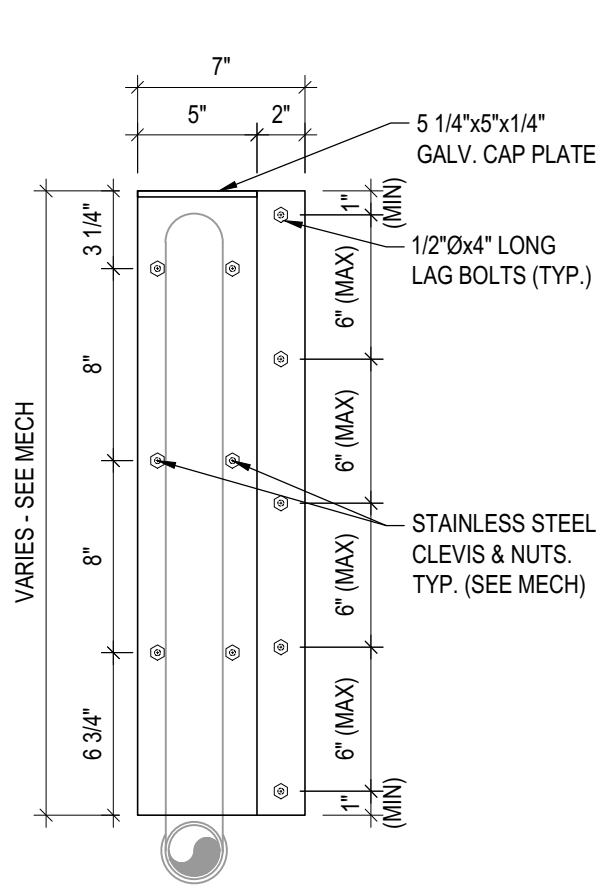
**NOTES:**  
 • ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)  
 • CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS



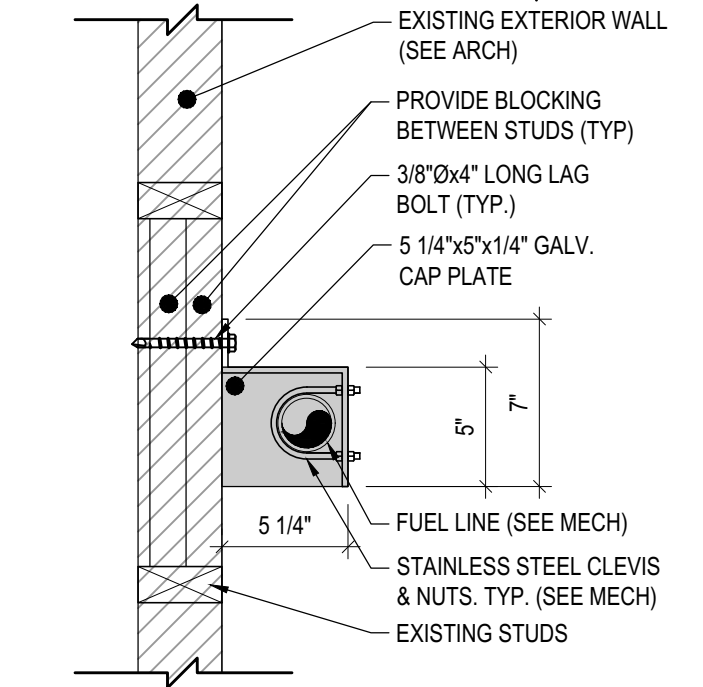
**D BASE PLATE DETAILS**  
 S3 SCALE : 1 1/2"=1'-0"



**A BENT PLATE DETAILS**  
 S3 SCALE : 1 1/2"=1'-0"



**B FUEL LINE DETAILS**  
 S3 SCALE : 1 1/2"=1'-0"



**C WALL CONNECTION DETAILS**  
 S3 SCALE : 1 1/2"=1'-0"



PROJECT TITLE:  
 RCMP "V" DIVISION OIL TANK REPLACEMENT  
 SHEET TITLE:  
 CONNECTION #1 DETAILS  
 PROJECT NUMBER:  
 17-122-CG-39

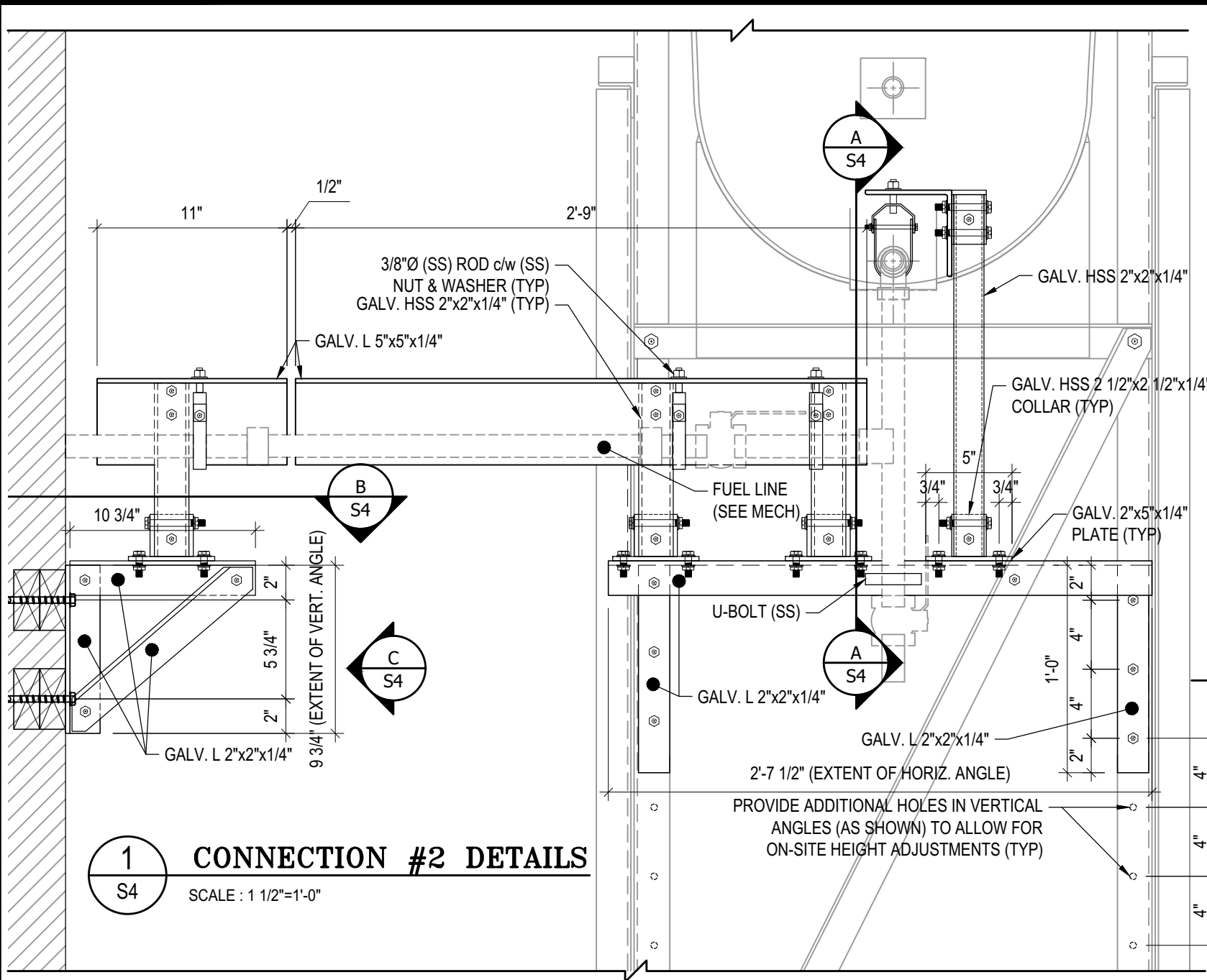


03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH
REV. #	REVISION	DATE (YY MM DD)	REV. BY

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 17 06 12

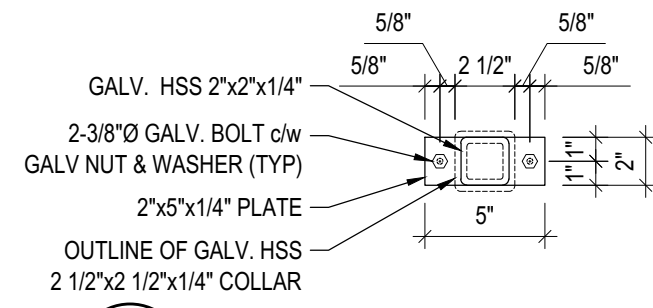
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**S3**  
 REVISION NUMBER:  
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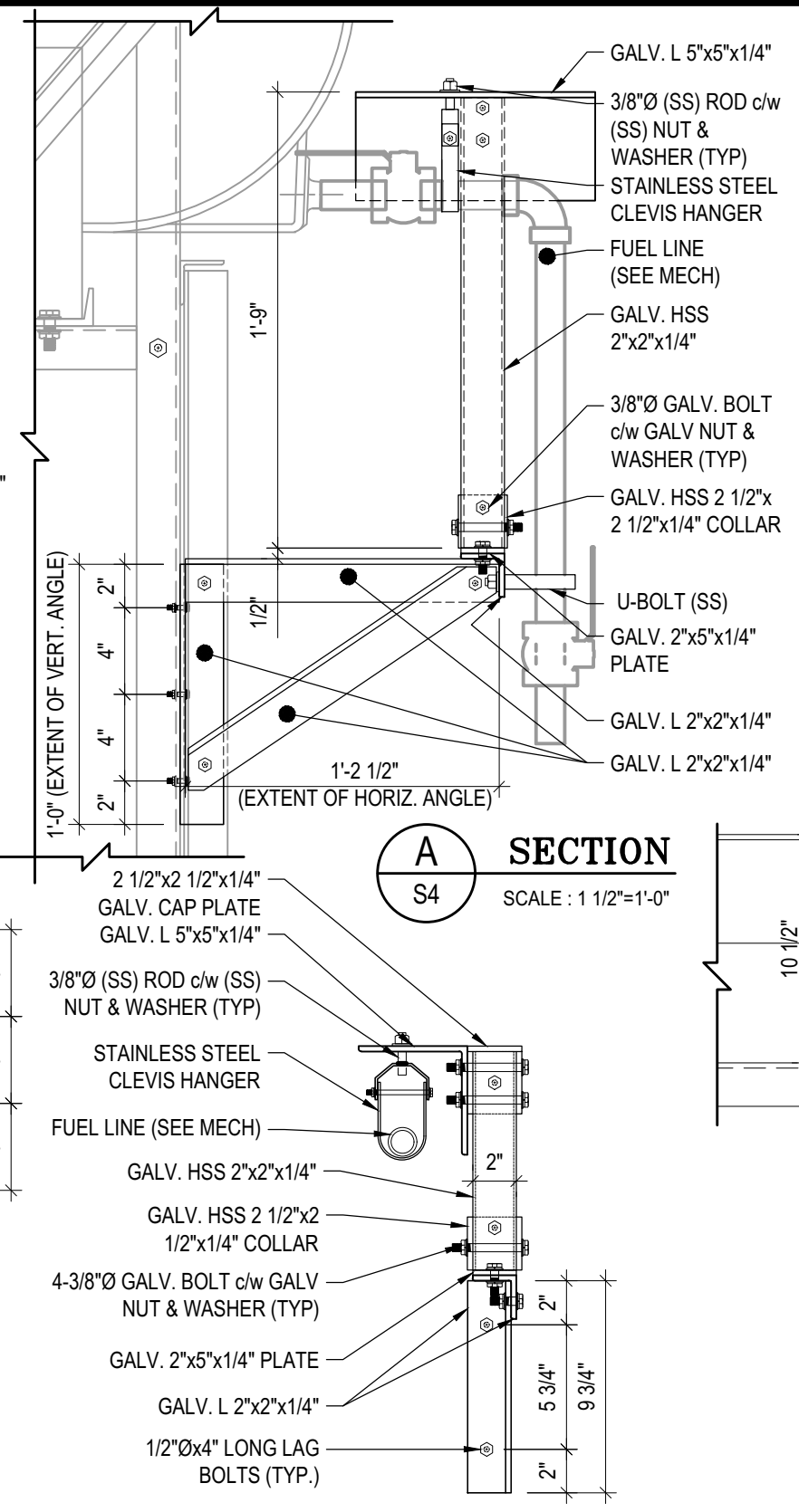
**1 CONNECTION #2 DETAILS**  
S4 SCALE : 1 1/2"=1'-0"

**NOTES:**

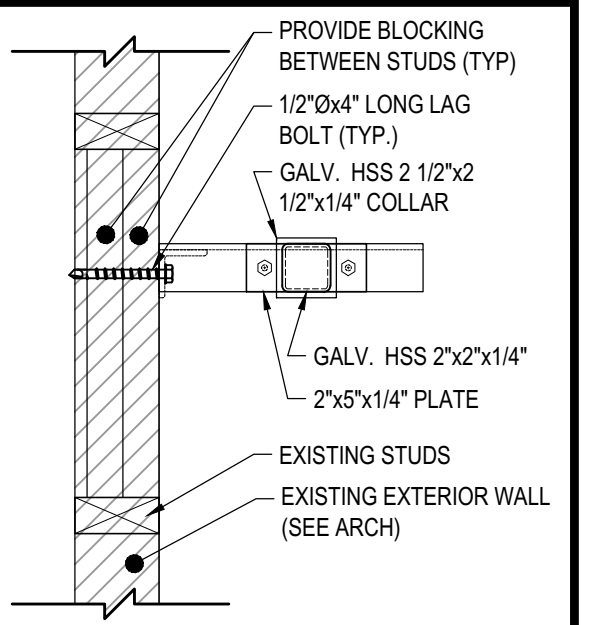
- ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)
- CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS



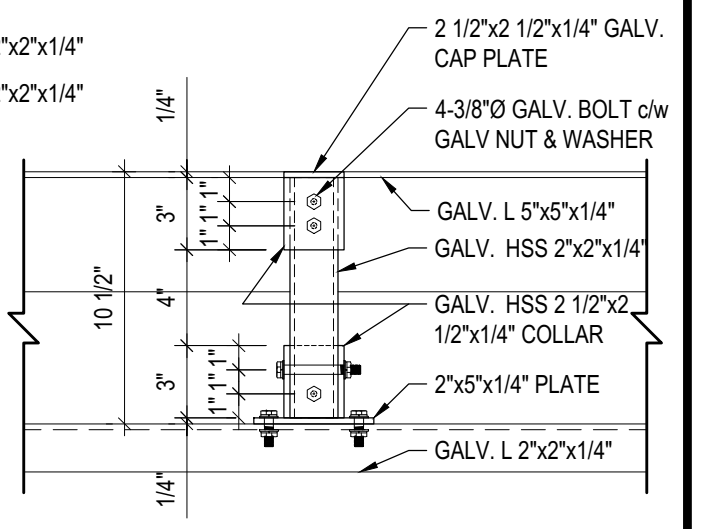
**E STAND PLATE DETAILS**  
S4 SCALE : 1 1/2"=1'-0"



**C ELEVATION**  
S4 SCALE : 1 1/2"=1'-0"



**B SECTION**  
S4 SCALE : 1 1/2"=1'-0"



**D STAND DETAILS**  
S4 SCALE : 1 1/2"=1'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT

SHEET TITLE:  
CONNECTION #2 DETAILS

PROJECT NUMBER:  
17-122-CG-39



03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH
REV. #	REVISION	DATE (YY MM DD)	REV. BY

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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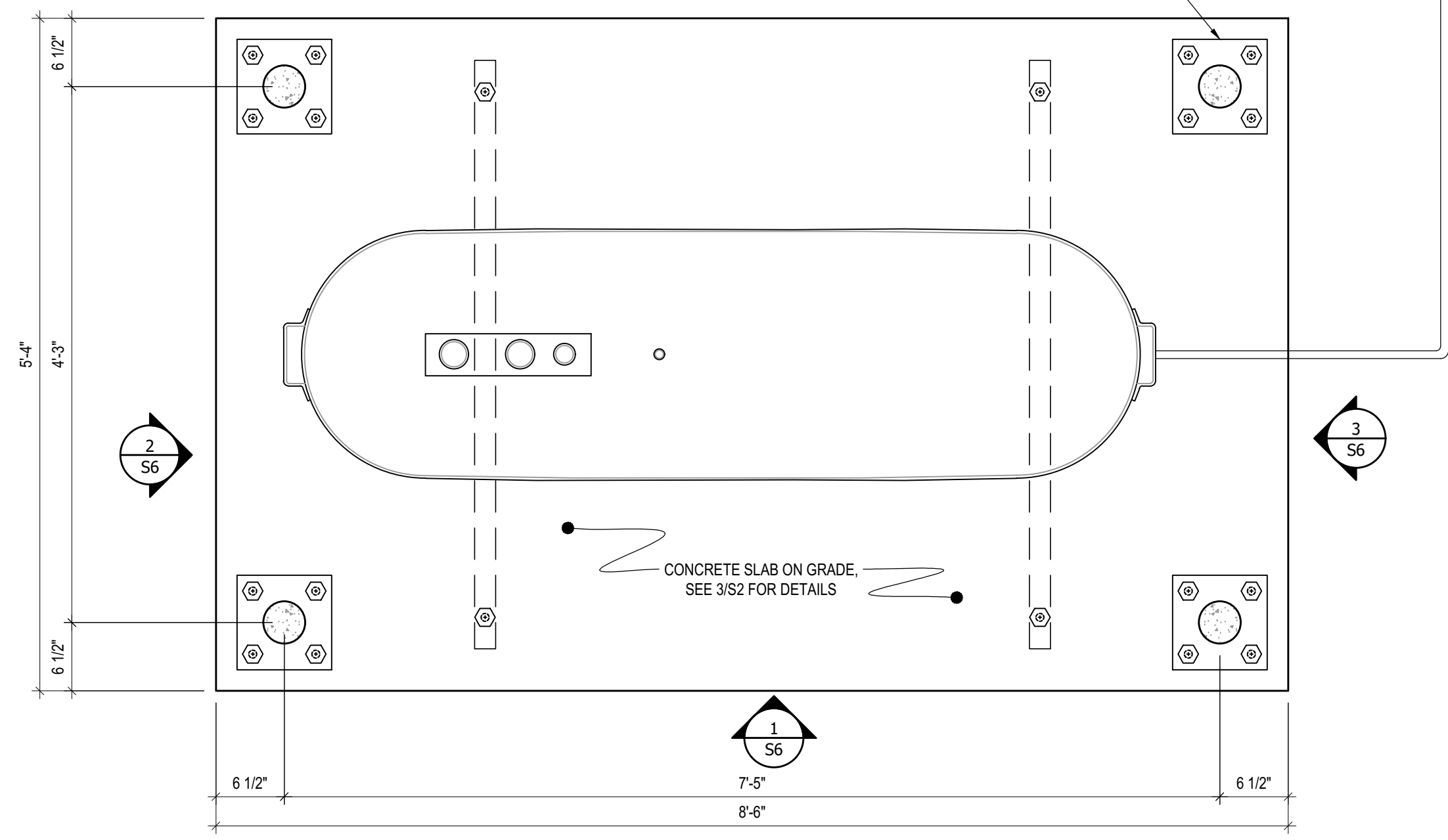
SCALE:  
AS NOTED

DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:  
**S4**

REVISION NUMBER:  
00

CONCRETE BOLLARD BASE PLATE. SEE 1/S2 FOR STRUCTURAL DETAILS, SEE MECHANICAL DRAWINGS FOR LOCATION AND NUMBER OF BOLLARDS REQUIRED FOR EACH CONCRETE PAD BASE



**1** PLAN VIEW - TANK #1  
 S5 SCALE : 1"=1'-0"



PROJECT TITLE:  
 RCMP "V" DIVISION OIL TANK REPLACEMENT  
 SHEET TITLE:  
 TANK #1 - PLAN VIEW  
 PROJECT NUMBER:  
 17-122-CG-39

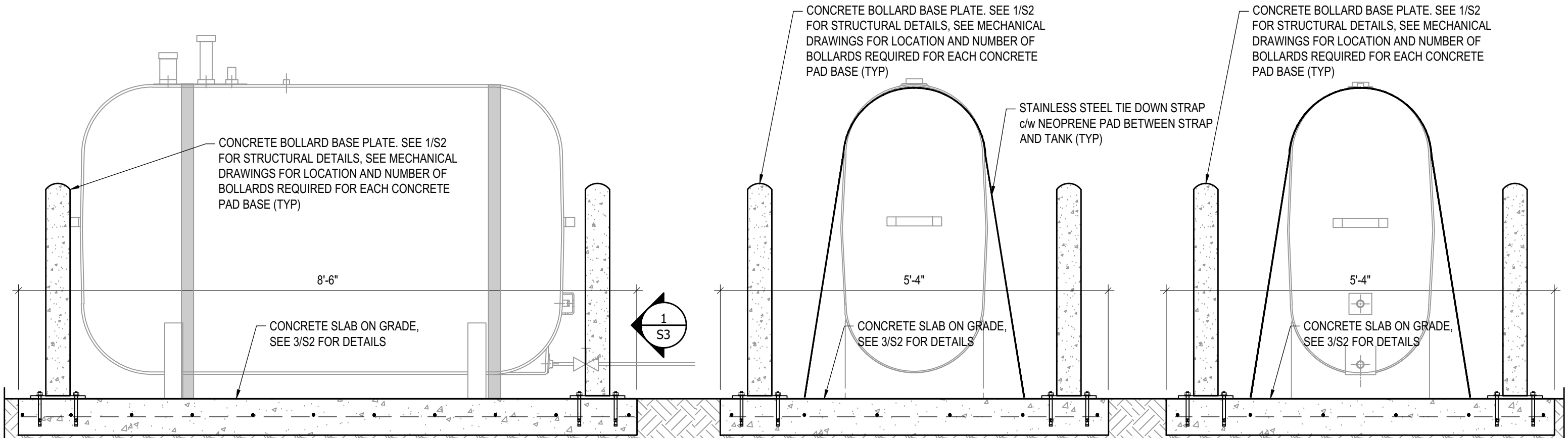


REV. #	REVISION	DATE (YY MM DD)	REV. BY
03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH

REV. #	REVISION	DATE (YY MM DD)	REV. BY

SCALE:  
 AS NOTED  
 DATE (YY MM DD):  
 17 06 12

DRAWING NUMBER:  
**S5**  
 REVISION NUMBER:  
 00



**1 FRONT ELEVATION - TANK #1**  
 S6 SCALE : 3/4"=1'-0"

**2 LEFT ELEVATION - TANK #1**  
 S6 SCALE : 3/4"=1'-0"

**3 RIGHT ELEVATION - TANK #1**  
 S6 SCALE : 3/4"=1'-0"



PROJECT TITLE:  
 RCMP "V" DIVISION OIL TANK REPLACEMENT  
 SHEET TITLE:  
 TANK #1 - ELEVATIONS  
 PROJECT NUMBER:  
 17-122-CG-39

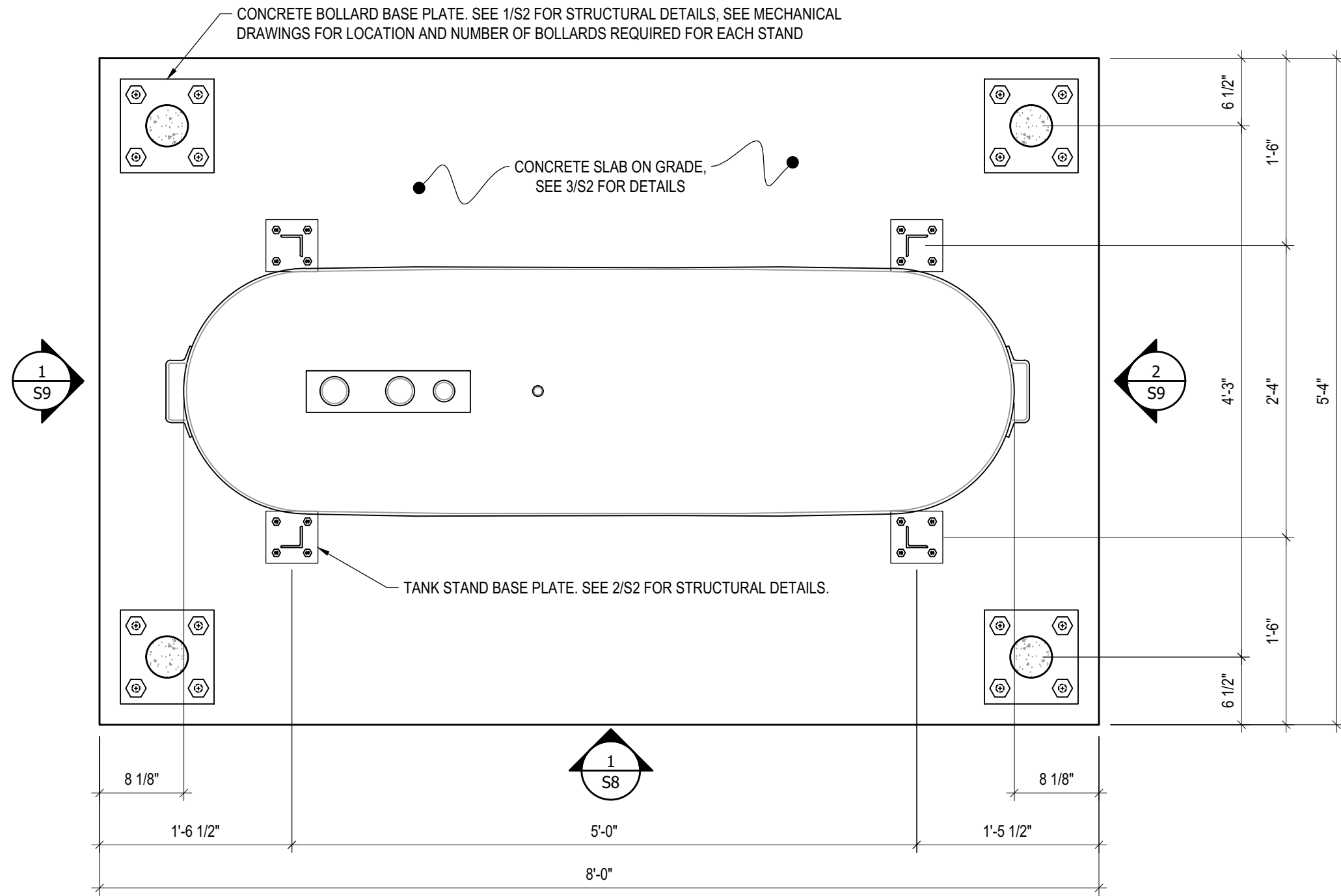


03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH
REV. #	REVISION	DATE (YY MM DD)	REV. BY

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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SCALE:  
 AS NOTED  
 DATE (YY MM DD):  
 17 06 12

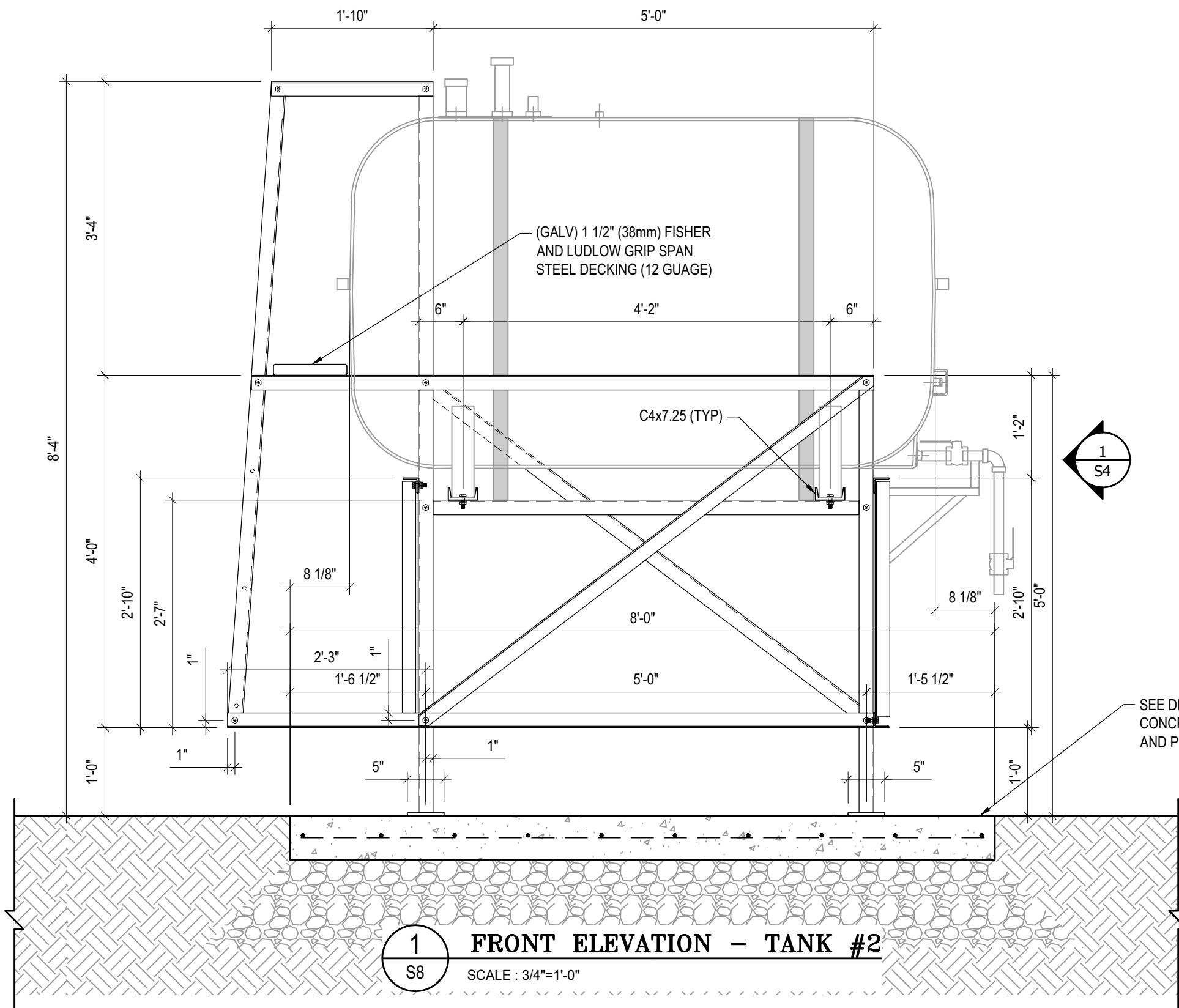
DRAWING NUMBER:  
**S6**  
 REVISION NUMBER:  
 00



**1 PLAN VIEW - TANK #2**  
 S7 SCALE : 1"=1'-0"



- NOTES:**
- ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)
  - ALL ANGLES SHOWN ARE L2"x2"x3/16" (U/N/O)
  - ALL BOLTS SHOWN ARE 1/2"Øx2" LONG (U/N/O)
  - CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS



**1**  
S8 **FRONT ELEVATION - TANK #2**  
SCALE : 3/4"=1'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT

SHEET TITLE:  
TANK #2 - ELEVATIONS

PROJECT NUMBER:  
17-122-CG-39



03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH
REV. #	REVISION	DATE (YY MM DD)	REV. BY

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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SCALE:  
AS NOTED

DATE (YY MM DD):  
17 06 12

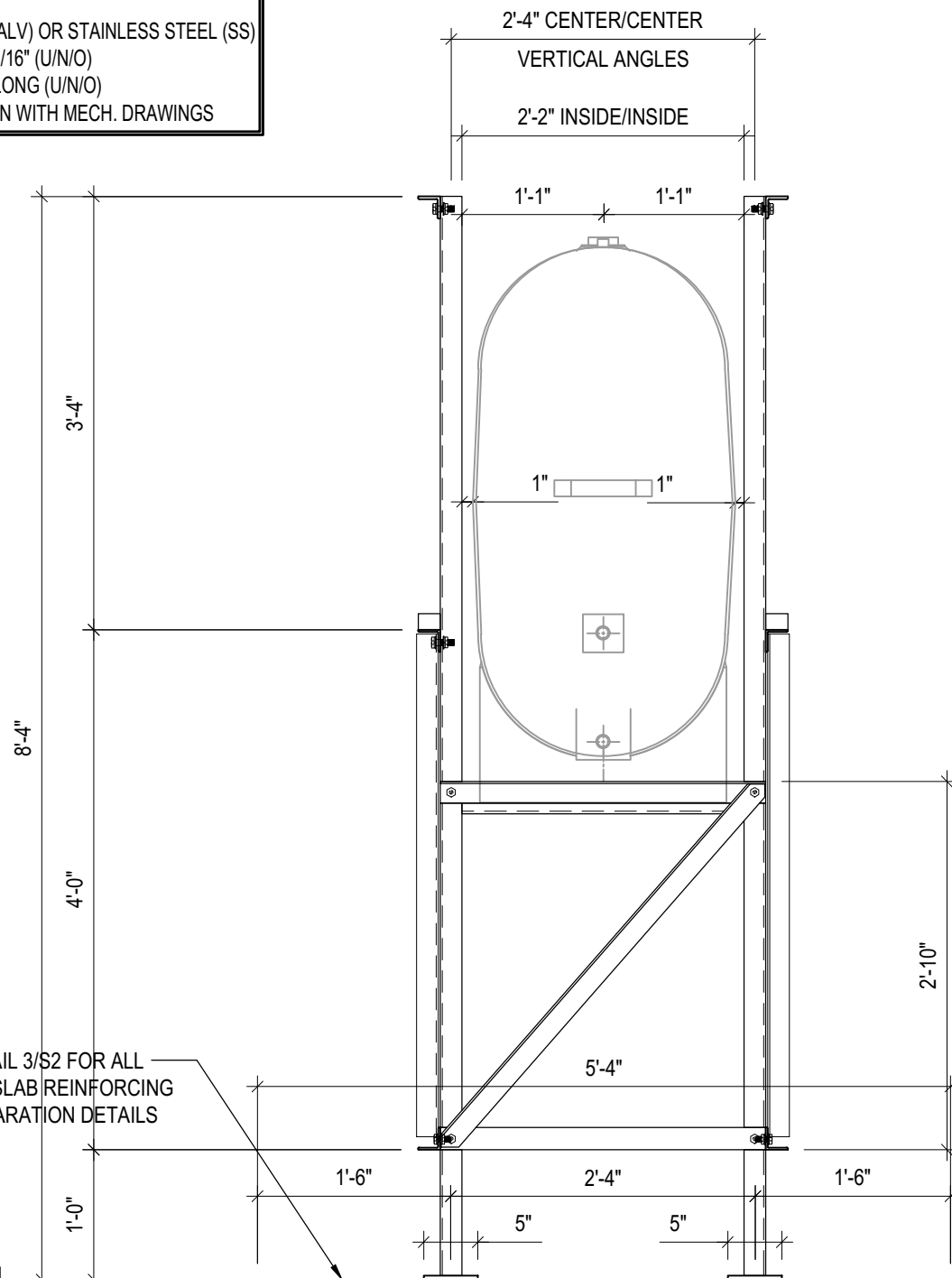
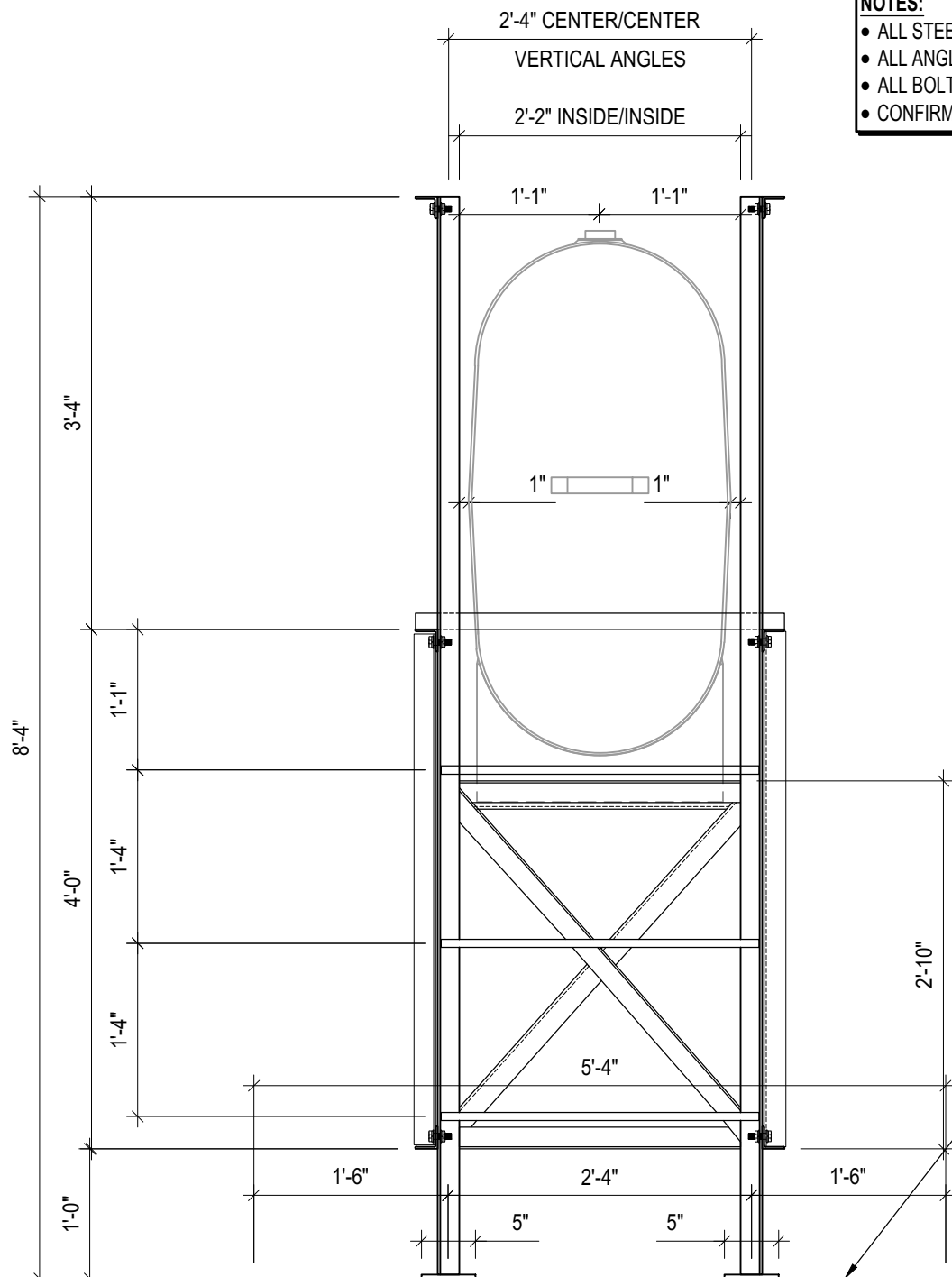
DRAWING NUMBER:  
**S8**

REVISION NUMBER:  
00



**NOTES:**

- ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)
- ALL ANGLES SHOWN ARE L2"x2"x3/16" (U/N/O)
- ALL BOLTS SHOWN ARE 1/2"Øx2" LONG (U/N/O)
- CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS



SEE DETAIL 3/S2 FOR ALL CONCRETE SLAB REINFORCING AND PREPARATION DETAILS

**1** LEFT ELEVATION - TANK #2  
S9 SCALE: 3/4"=1'-0"

**2** RIGHT ELEVATION - TANK #2  
S9 SCALE: 3/4"=1'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT  
SHEET TITLE:  
TANK #2 - ELEVATIONS  
PROJECT NUMBER:  
17-122-CG-39

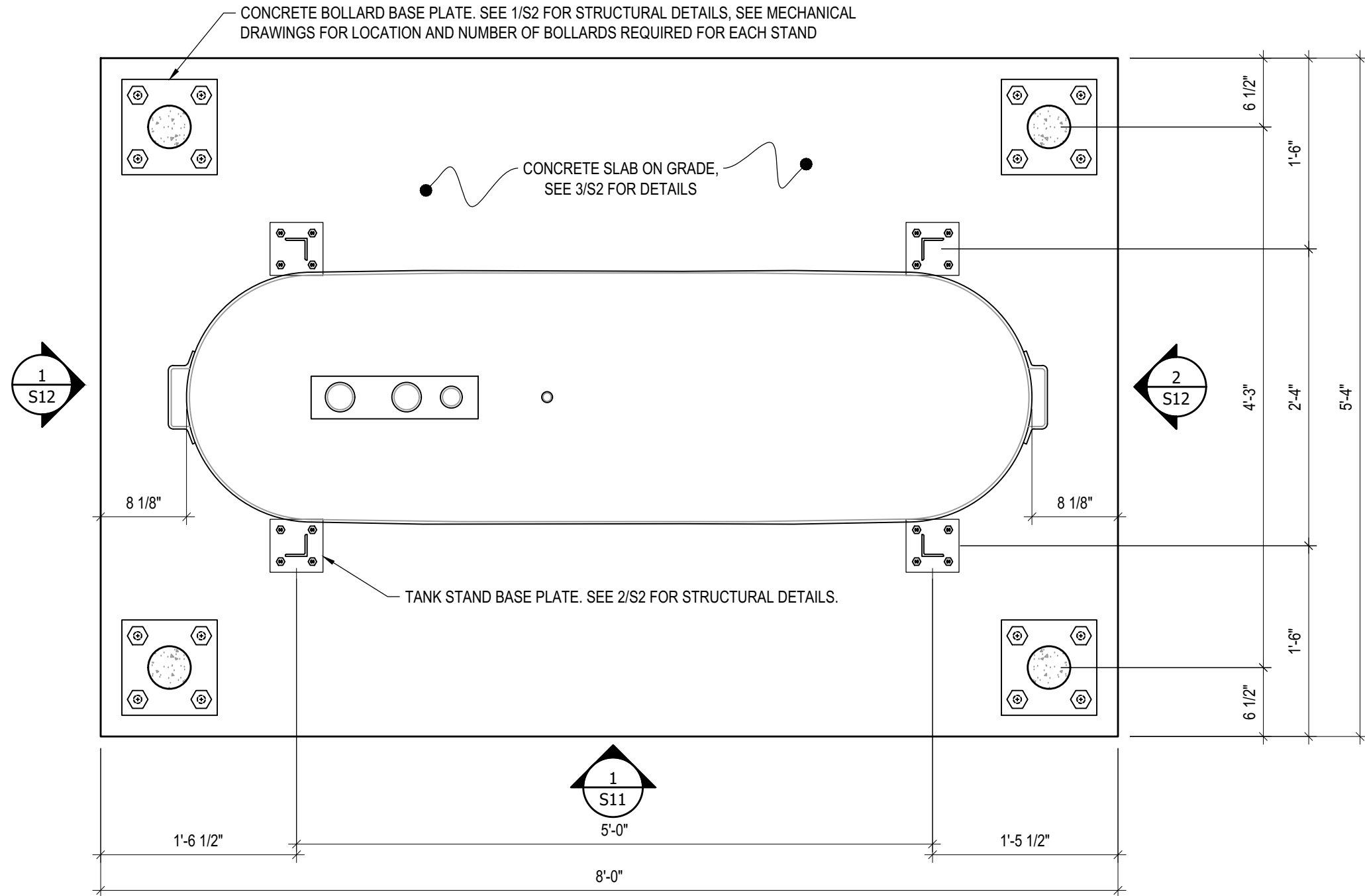


03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH
REV. #	REVISION	DATE (YY MM DD)	REV. BY

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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SCALE:  
AS NOTED  
DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:  
**S9**  
REVISION NUMBER:  
00



**1 PLAN VIEW - TANK #3**  
 S10 SCALE : 1"=1'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT

SHEET TITLE:  
TANK #3 - PLAN VIEW

PROJECT NUMBER:  
17-122-CG-39



REV. #	REVISION	DATE (YY MM DD)	REV. BY
03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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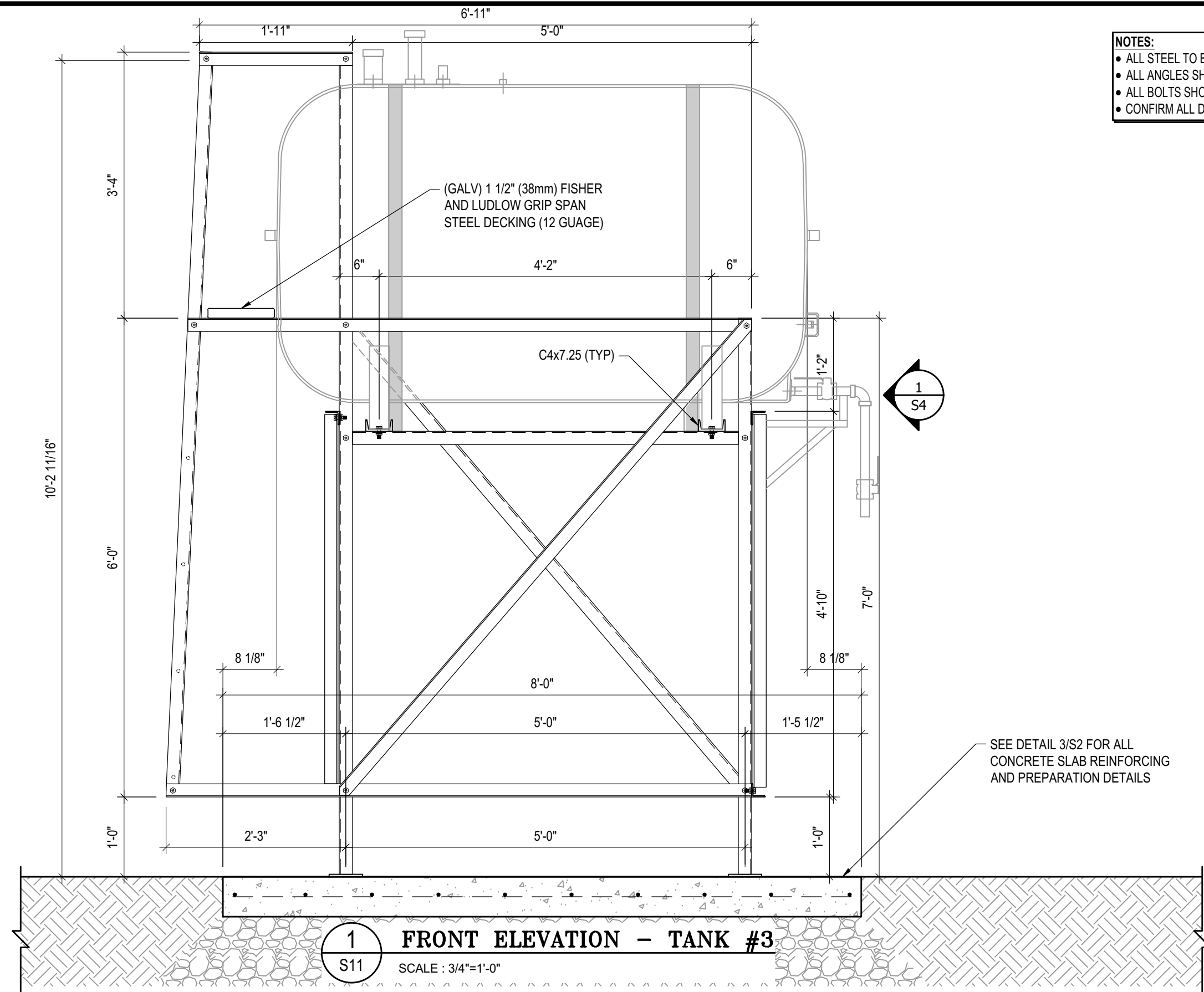
SCALE:  
AS NOTED

DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:

**S10**

REVISION NUMBER:  
00



- NOTES:**
- ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)
  - ALL ANGLES SHOWN ARE L2"x2"x3/16" (U/N/O)
  - ALL BOLTS SHOWN ARE 1/2"Øx2" LONG (U/N/O)
  - CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS

**1**  
S11 **FRONT ELEVATION - TANK #3**  
SCALE : 3/4"=1'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT  
SHEET TITLE:  
TANK #3 - ELEVATIONS  
PROJECT NUMBER:  
17-122-CG-39

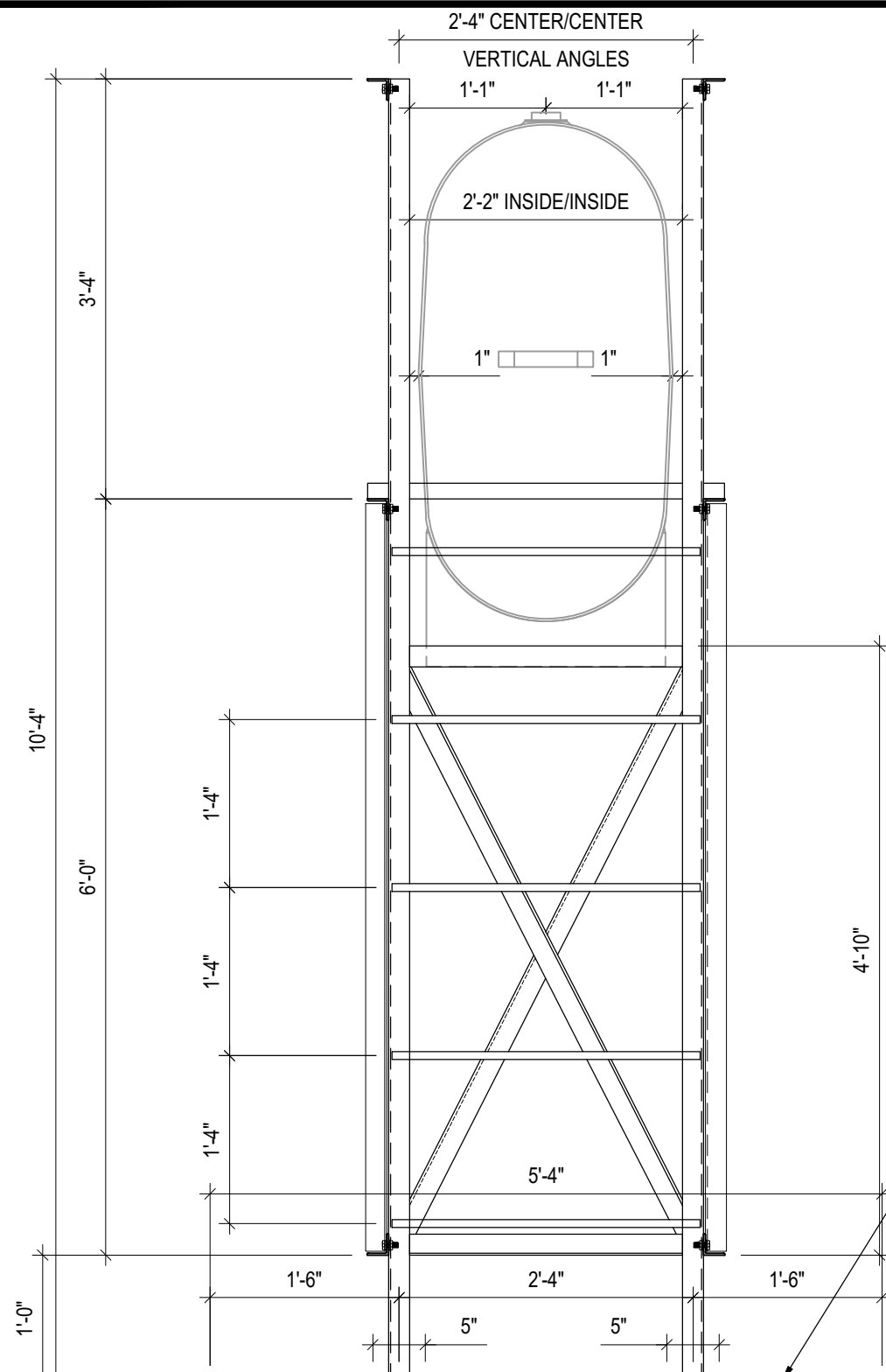


03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH
REV. #	REVISION	DATE (YY MM DD)	REV. BY

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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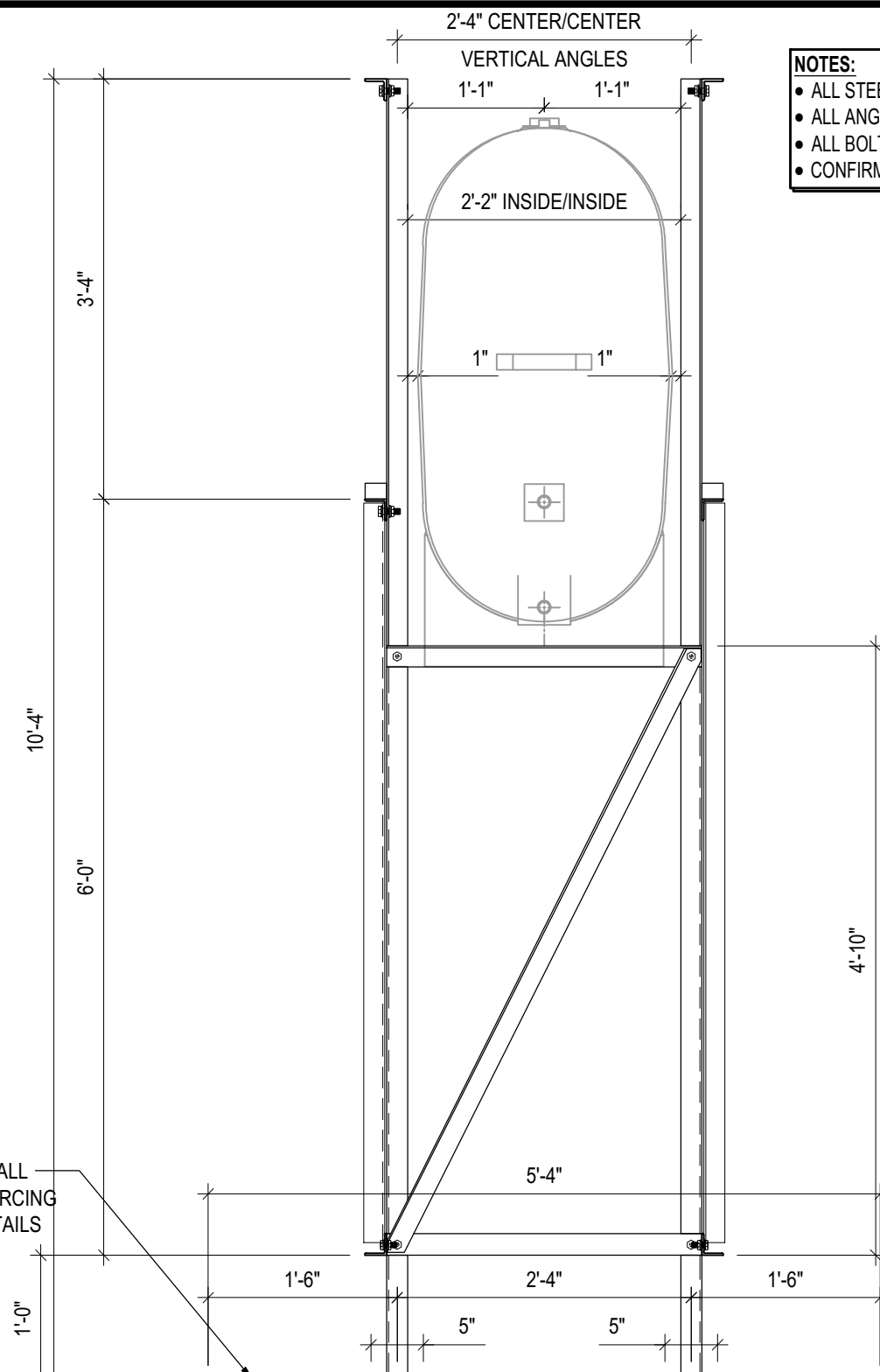
SCALE:  
AS NOTED  
DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:  
**S11**  
REVISION NUMBER:  
00



**1 LEFT ELEVATION - TANK #3**  
S12 SCALE : 3/4"=1'-0"

SEE DETAIL 3/S2 FOR ALL CONCRETE SLAB REINFORCING AND PREPARATION DETAILS



**2 RIGHT ELEVATION - TANK #3**  
S12 SCALE : 3/4"=1'-0"

- NOTES:**
- ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)
  - ALL ANGLES SHOWN ARE L2"x2"x3/16" (U/N/O)
  - ALL BOLTS SHOWN ARE 1/2"Øx2" LONG (U/N/O)
  - CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT  
SHEET TITLE:  
TANK #3 - ELEVATIONS  
PROJECT NUMBER:  
17-122-CG-39



REV. #	REVISION	DATE (YY MM DD)	REV. BY
03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH

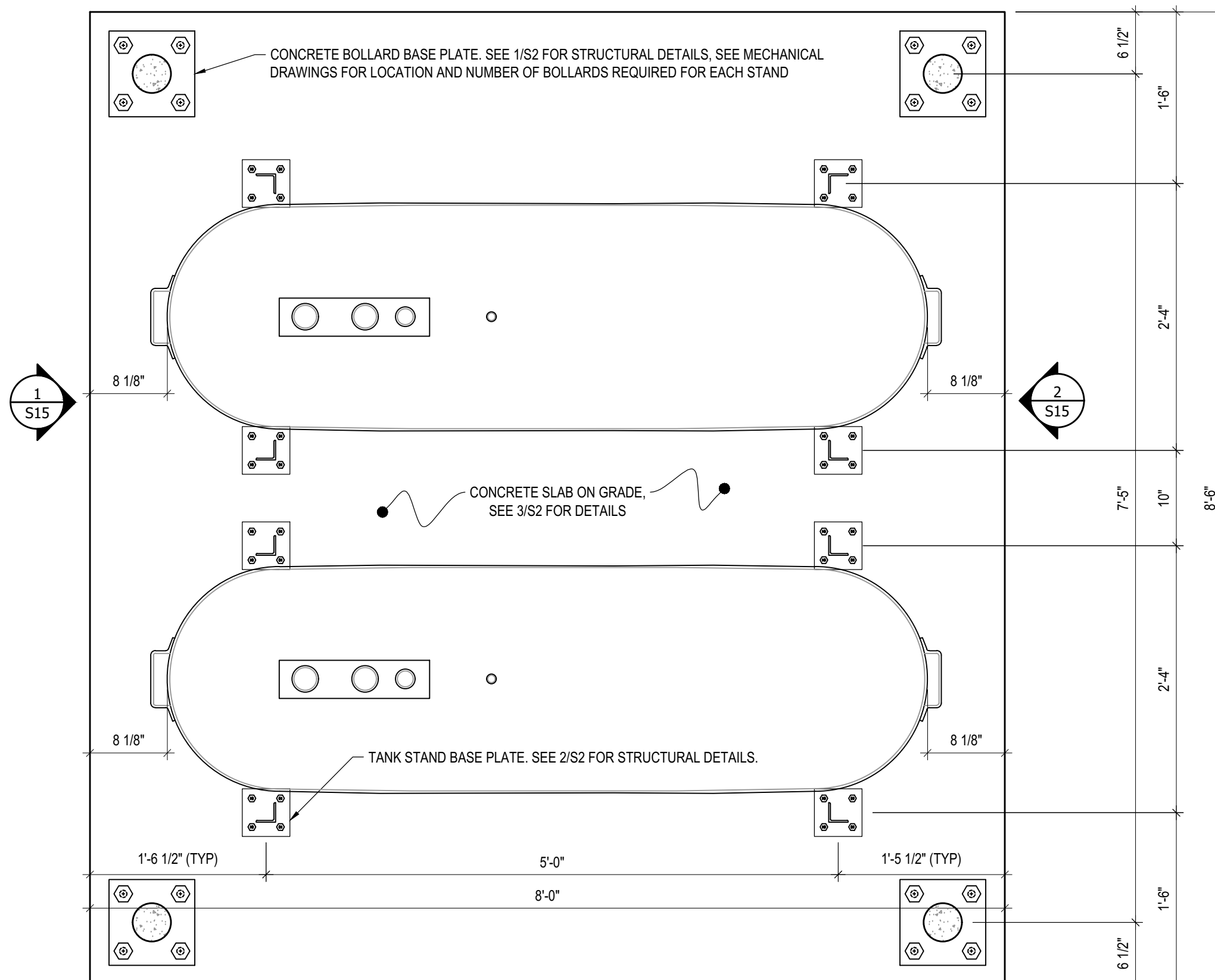
REV. # | REVISION | DATE (YY MM DD) | REV. BY

SCALE:  
AS NOTED  
DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:

**S12**

REVISION NUMBER:  
00



1 PLAN VIEW - TANK #4  
 S13 SCALE : 1"=1'-0"  
 1  
 S14



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT

SHEET TITLE:  
TANK #4 - PLAN VIEW

PROJECT NUMBER:  
17-122-CG-39



REV. #	REVISION	DATE (YY MM DD)	REV. BY
03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH

REV. #	REVISION	DATE (YY MM DD)	REV. BY

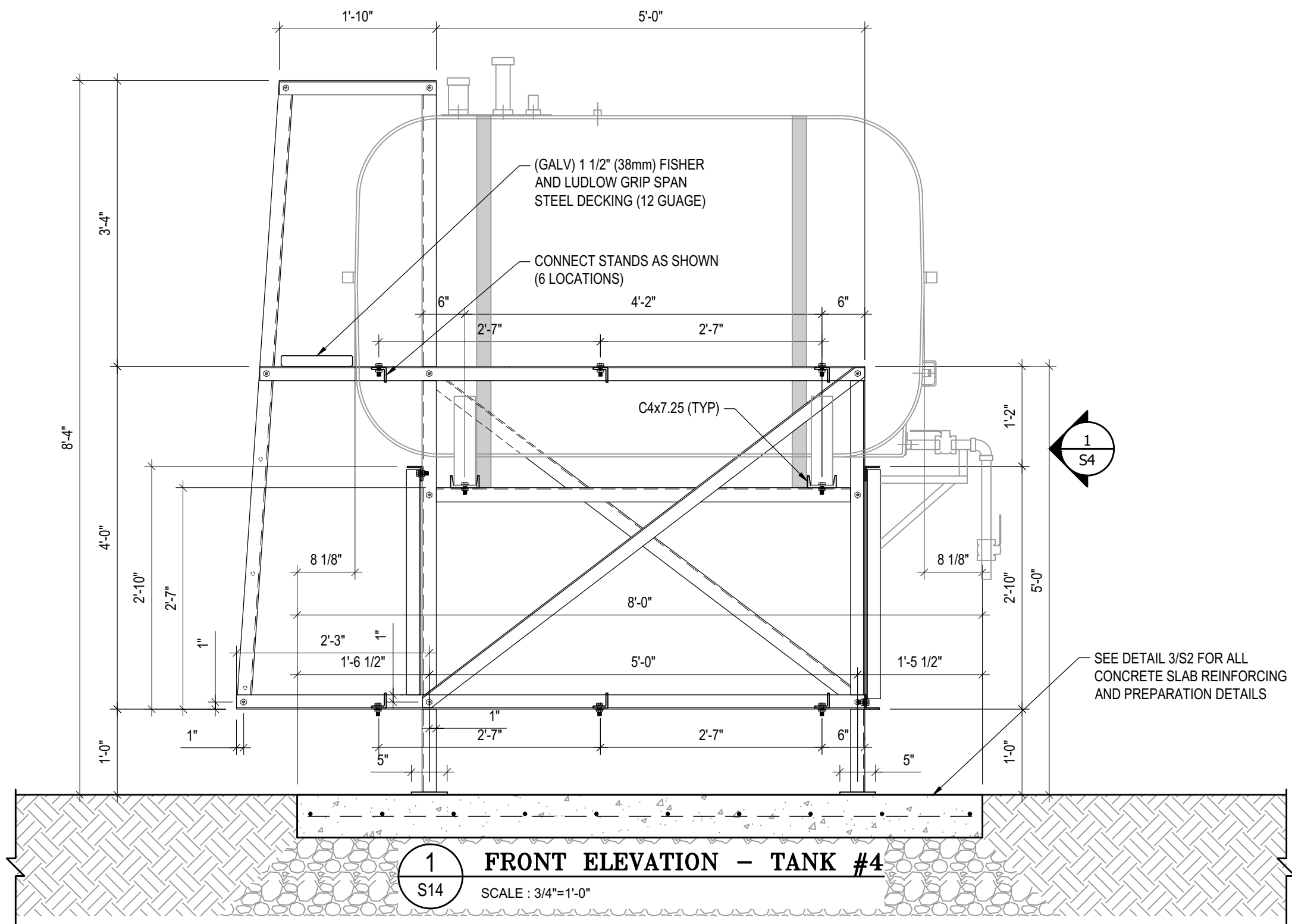
SCALE:  
AS NOTED

DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:  
**S13**

REVISION NUMBER:  
00

- NOTES:**
- ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)
  - ALL ANGLES SHOWN ARE L2"x2"x3/16" (U/N/O)
  - ALL BOLTS SHOWN ARE 1/2"Øx2" LONG (U/N/O)
  - CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS



**1**  
S4  
**FRONT ELEVATION - TANK #4**  
SCALE : 3/4"=1'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT

SHEET TITLE:  
TANK #4 - ELEVATIONS

PROJECT NUMBER:  
17-122-CG-39



03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH
REV. #	REVISION	DATE (YY MM DD)	REV. BY

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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SCALE:  
AS NOTED

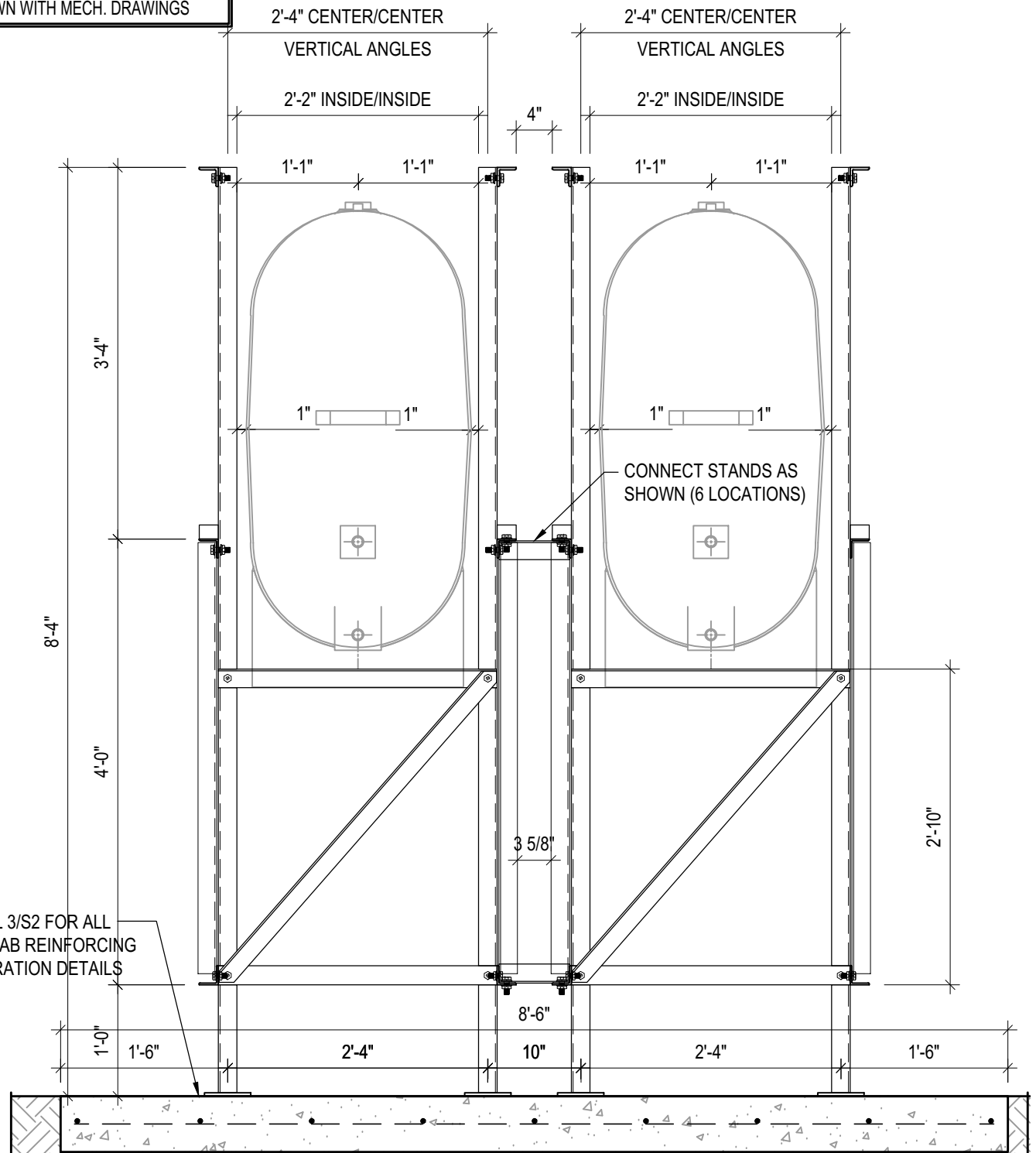
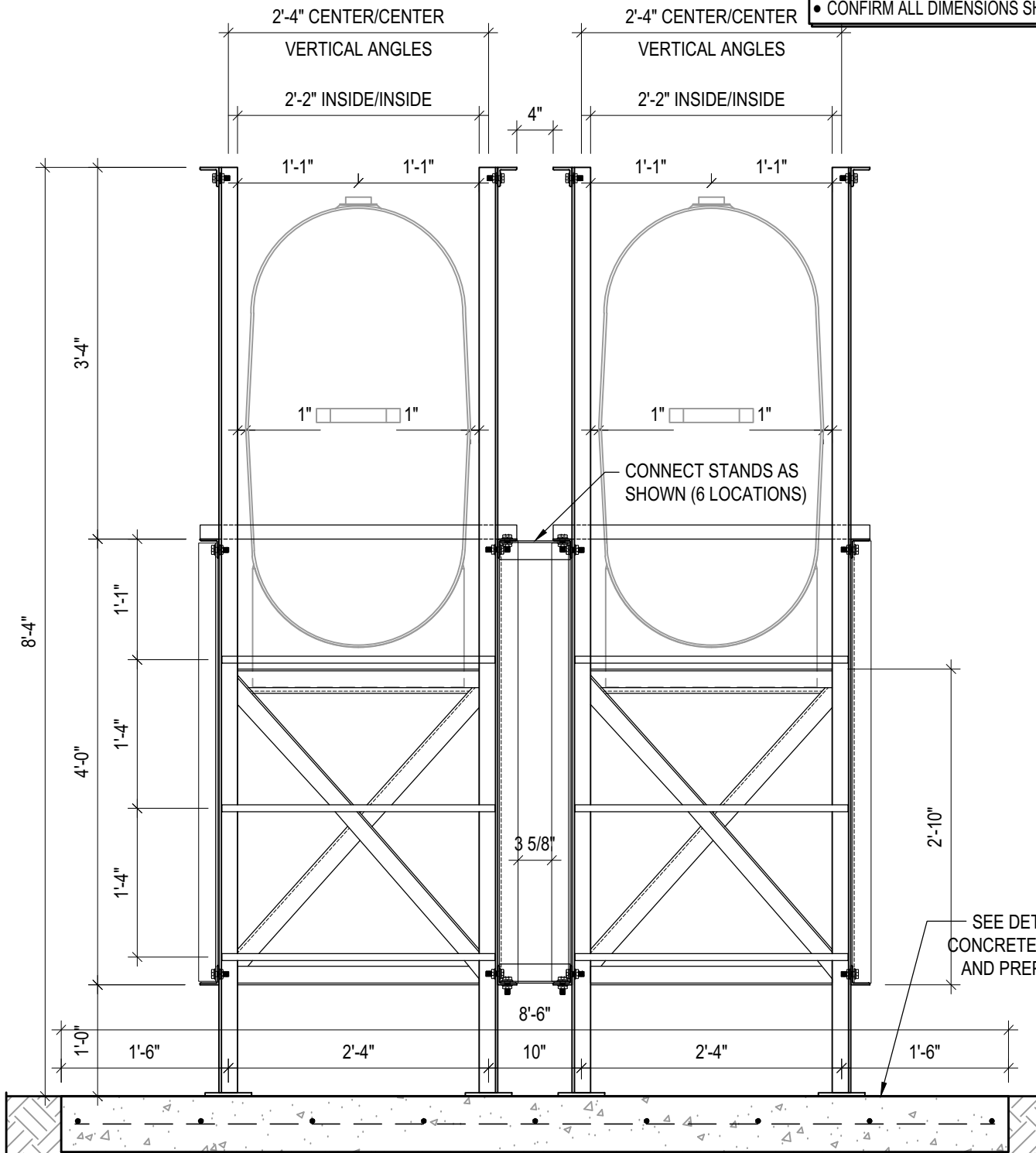
DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:  
**S14**

REVISION NUMBER:  
00

**NOTES:**

- ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)
- ALL ANGLES SHOWN ARE L2"x2"x3/16" (U/N/O)
- ALL BOLTS SHOWN ARE 1/2"Øx2" LONG (U/N/O)
- CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS



SEE DETAIL 3/S2 FOR ALL CONCRETE SLAB REINFORCING AND PREPARATION DETAILS

**1 LEFT ELEVATION - TANK #4**  
S15 SCALE : 3/4"=1'-0"

**2 RIGHT ELEVATION - TANK #4**  
S15 SCALE : 3/4"=1'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT  
SHEET TITLE:  
TANK #4 - ELEVATIONS  
PROJECT NUMBER:  
17-122-CG-39

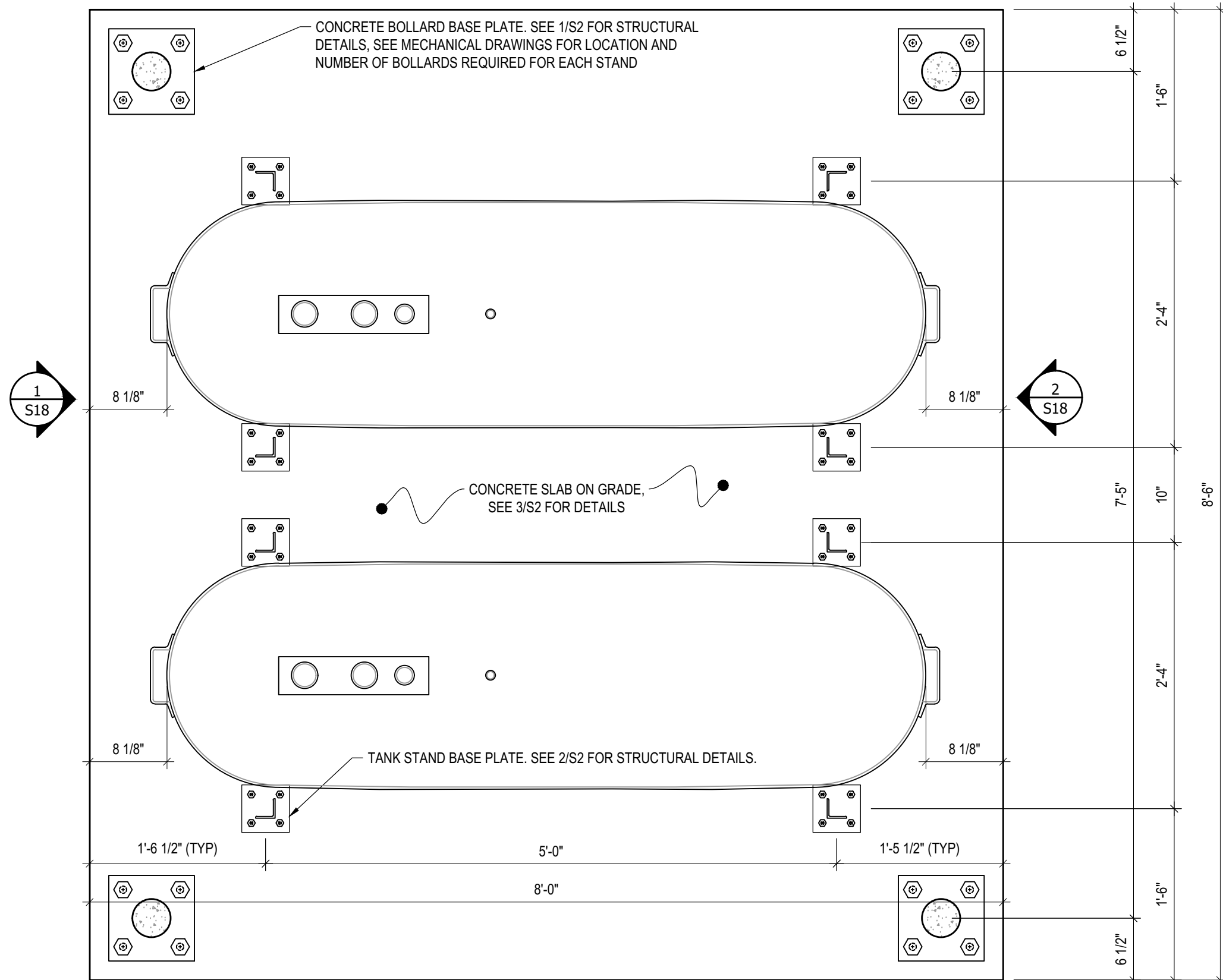


03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH
REV. #	REVISION	DATE (YY MM DD)	REV. BY

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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SCALE:  
AS NOTED  
DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:  
**S15**  
REVISION NUMBER:  
00



1 PLAN VIEW - TANK #5  
 S16 SCALE : 1"=1'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT

SHEET TITLE:  
TANK #5 - PLAN VIEW

PROJECT NUMBER:  
17-122-CG-39



REV. #	REVISION	DATE (YY MM DD)	REV. BY
03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH

REV. #	REVISION	DATE (YY MM DD)	REV. BY

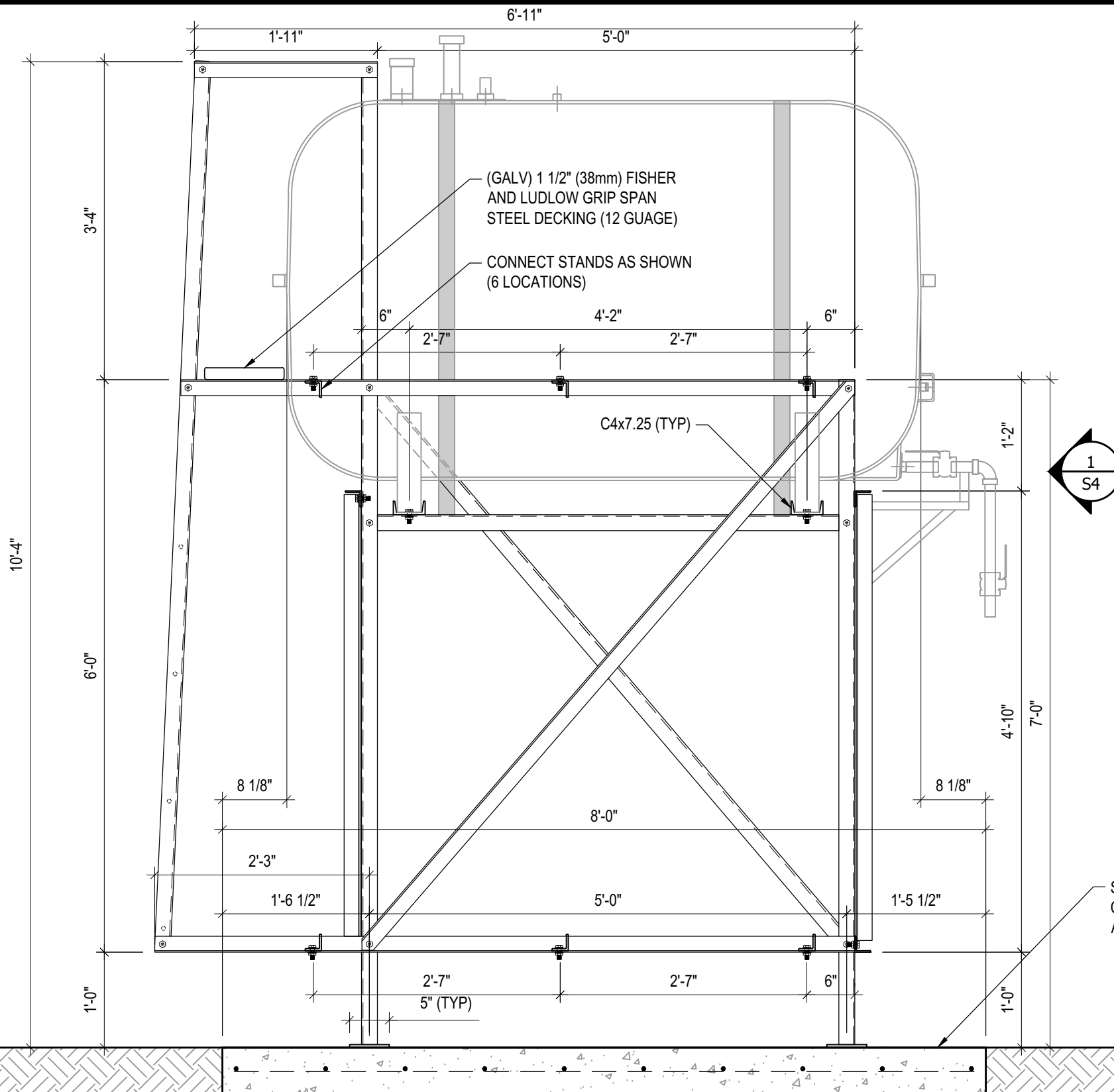
SCALE:  
AS NOTED

DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:  
**S16**

REVISION NUMBER:  
00





- NOTES:**
- ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)
  - ALL ANGLES SHOWN ARE L2"x2"x3/16" (U/N/O)
  - ALL BOLTS SHOWN ARE 1/2"Øx2" LONG (U/N/O)
  - CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS

**1** FRONT ELEVATION - TANK #5  
 S17 SCALE : 3/4"=1'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT

SHEET TITLE:  
TANK #5 - ELEVATIONS

PROJECT NUMBER:  
17-122-CG-39



03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH
REV. #	REVISION	DATE (YY MM DD)	REV. BY

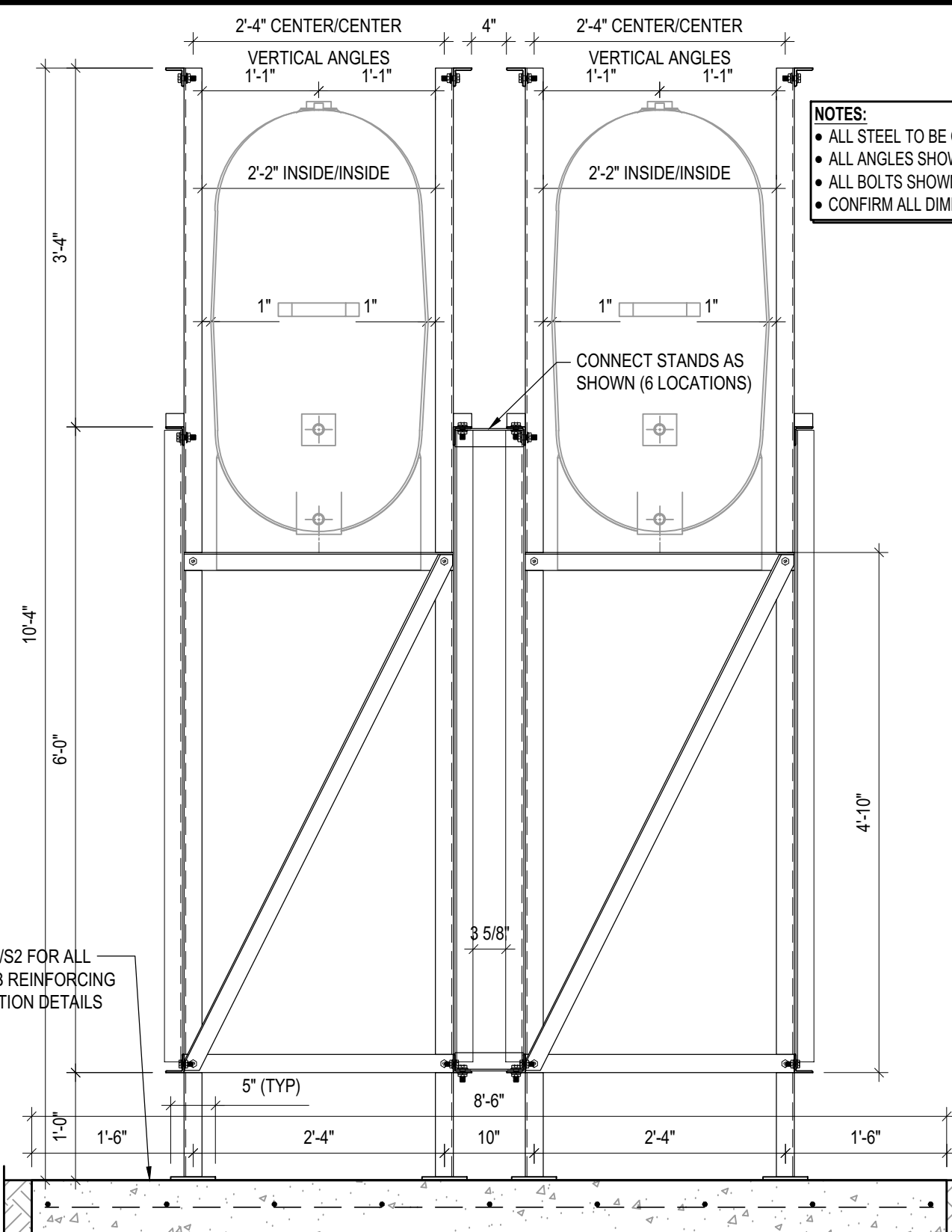
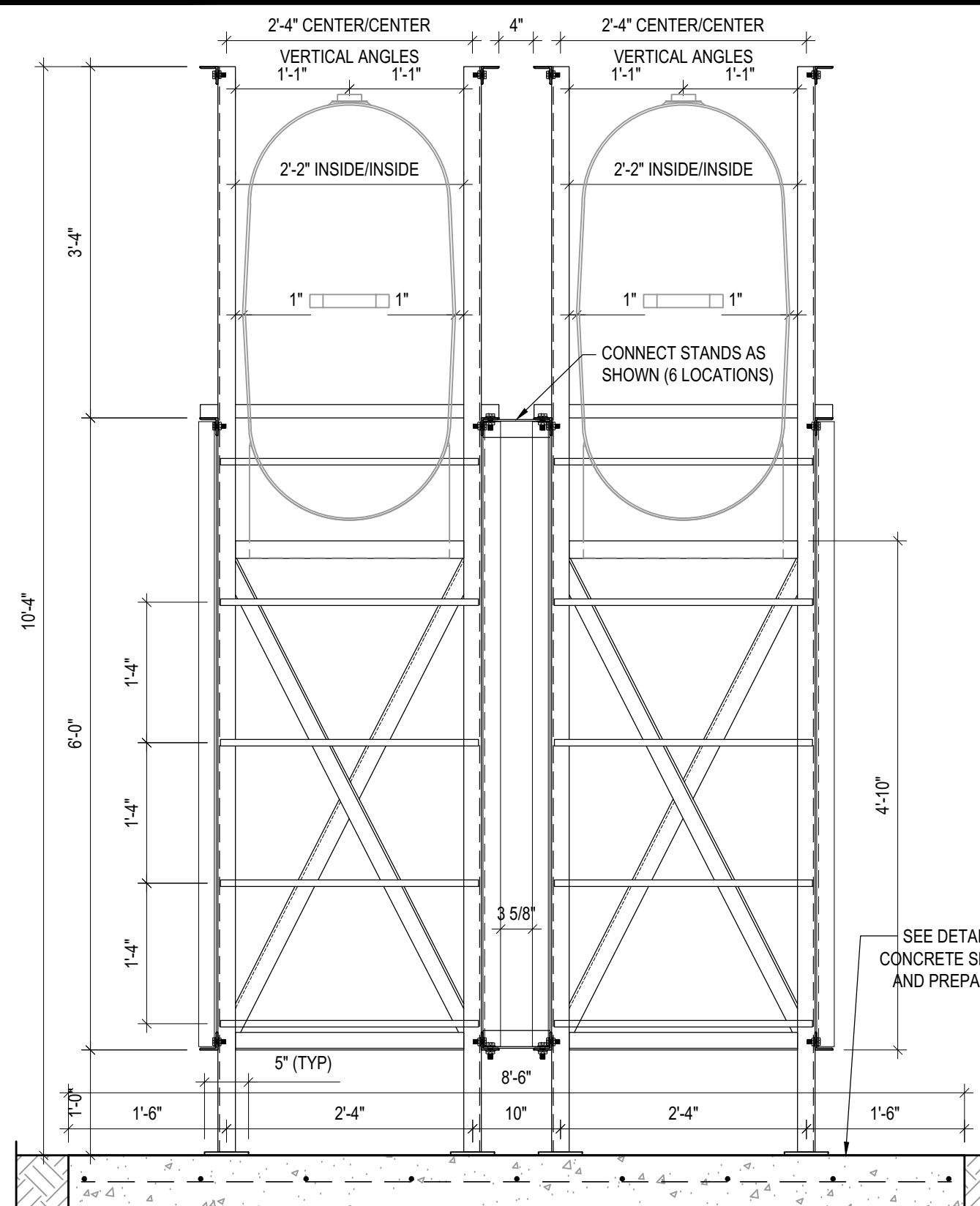
REV. #	REVISION	DATE (YY MM DD)	REV. BY
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SCALE:  
AS NOTED

DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:  
**S17**

REVISION NUMBER:  
00



**NOTES:**

- ALL STEEL TO BE GALVANIZED (GALV) OR STAINLESS STEEL (SS)
- ALL ANGLES SHOWN ARE L2"x2"x3/16" (U/N/O)
- ALL BOLTS SHOWN ARE 1/2"Øx2" LONG (U/N/O)
- CONFIRM ALL DIMENSIONS SHOWN WITH MECH. DRAWINGS

**1 LEFT ELEVATION - TANK #5**  
S18 SCALE : 3/4"=1'-0"

**2 RIGHT ELEVATION - TANK #5**  
S18 SCALE : 3/4"=1'-0"



PROJECT TITLE:  
RCMP "V" DIVISION OIL TANK REPLACEMENT

SHEET TITLE:  
TANK #5 - ELEVATIONS

PROJECT NUMBER:  
17-122-CG-39



03	ISSUED FOR TENDER	17 06 12	RH
02	ISSUED FOR 99% REVIEW	17 05 30	RH
01	ISSUED FOR REVIEW	17 03 31	RH
REV. #	REVISION	DATE (YY MM DD)	REV. BY

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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SCALE:  
AS NOTED

DATE (YY MM DD):  
17 06 12

DRAWING NUMBER:  
**S18**

REVISION NUMBER:  
00