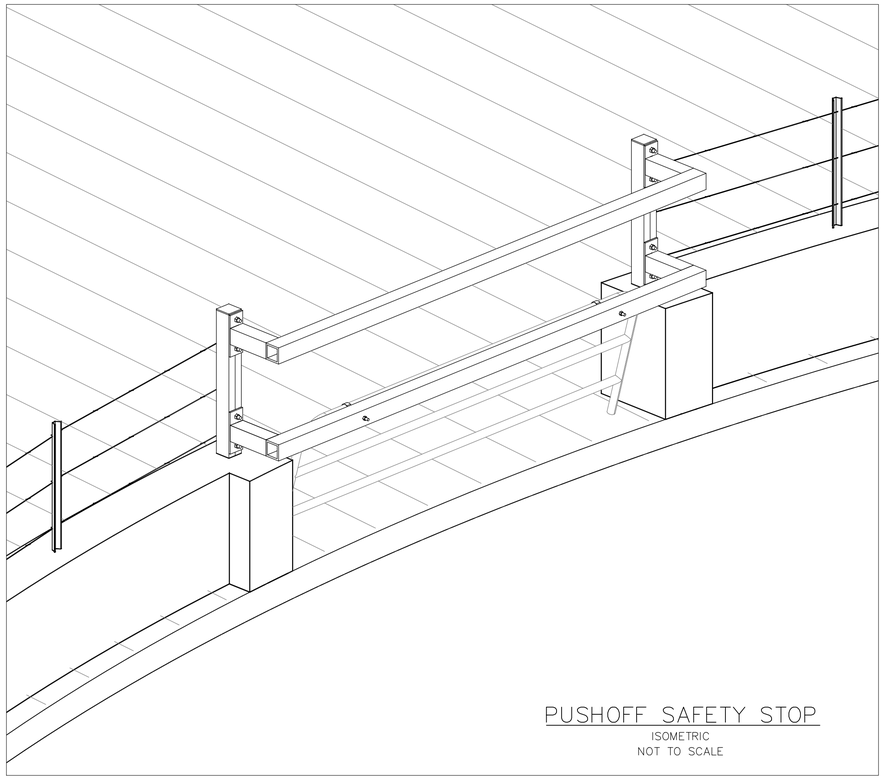
MANURE PUSHOFF SAFETY STOP

SAFETY STOP DESIGNED FOR EQUIPMENT WITH A BUCKET HEIGHT OF 27" OR LESS **



PUSHOFF SAFETY STOP

ISOMETRIC
NOT TO SCALE

STEEL SPECIFICATIONS

RECTANGULAR HSS – ASTM A500 GRADE B
PLATE – ASTM A36
BOLTS – ASTM A307 OR SAE GRADE 2

CONSTRUCTION INSPECTION ITEMS FOR THIS DESIGN ARE CONTAINED IN "GUIDE FOR DESIGN AND CONSTRUCTION OF CONSERVATION PRACTICES"

CONSTRUCTION NOTES

GENERAL CONSTRUCTION NOTES:

1. ALL ITEMS SHALL BE CONSTRUCTED TO THE DIMENSIONS AND ELEVATIONS SHOWN ON THE DRAWINGS. ANY CHANGES SHALL REQUIRE APPROVAL BY THE NRCS REPRESENTATIVE ON SITE PRIOR TO CONSTRUCTION.
2. ALL PERMITS, EASEMENTS, AND RIGHTS OF WAY ARE THE RESPONSIBILITY OF THE LANDOWNER.
3. IT IS THE EXCAVATION CONTRACTOR'S RESPONSIBILITY TO NOTIFY "DIG-SAFE" AND COMPLY WITH ALL VERMONT LAWS AND REGULATIONS REGARDING THE LOCATION AND WORK AROUND UNDERGROUND UTILITIES. DIG SAFE (888) DIG-SAFE
4. ALL CONSTRUCTION METHODS SHALL MEET OSHA AND VOSHA REGULATIONS.
5. CONSTRUCTION MAY NOT BEGIN UNTIL THE CONTRACTOR/S, LANDOWNER, AND NRCS HAVE A PRE-CONSTRUCTION MEETING IN ORDER TO DISCUSS THE DETAILS OF THE PROJECT.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY NRCS IMMEDIATELY IF PROBLEMS OR UNFORESEEN CIRCUMSTANCES ARISE DURING CONSTRUCTION.
7. CONSTRUCTION INSPECTION ITEMS FOR THIS DESIGN ARE CONTAINED IN "GUIDE FOR DESIGN AND CONSTRUCTION OF CONSERVATION PRACTICES."

EARTHWORK NOTES

1. CONSTRUCTION AREA SHALL BE CLEARED OF ALL DEBRIS, MANURE, AND OTHER ORGANIC MATERIAL PRIOR TO THE START OF CONSTRUCTION. TOPSOIL SHALL BE STRIPPED AND STOCKPILED, TO BE SPREAD ON DISTURBED AREAS.
2. EARTH BACKFILL SHALL NOT CONTAIN ANY DEBRIS, FROZEN, ORGANIC, OR OTHERWISE DELETERIOUS MATERIALS.
3. ANY SURPLUS EXCAVATED MATERIAL IS TO BE SPREAD ON SITE IN AREAS DESIGNATED BY THE OWNER AND APPROVED BY NRCS. UNDER NO CIRCUMSTANCES SHALL MATERIAL BE DUMPED IN WETLANDS, FLOODPLAINS, OR WATER CONVEYANCES.
4. DISTURBED AREAS, OUTSIDE OF IMPERVIOUS SURFACES, ARE TO BE VEGETATED IN ACCORDANCE WITH NRCS SPECIFICATION #52, WITHIN 48 HOURS OF REACHING FINAL GRADE. SPREAD A MINIMUM 4" THICKNESS OF TOPSOIL, APPLY SEED, LIME, FERTILIZER, AND MULCH. SEE SPECIFICATION #52 FOR MORE INFORMATION.

CONCRETE NOTES:

1. ALL FILL THAT SHALL HAVE CONCRETE PLACED ON IT SHALL BE CLASS II COMPACTION AS SPECIFIED IN VT NRCS CONSTRUCTION SPECIFICATION #11, "EARTHWORK", SECTION 4.E.
2. ALL CONCRETE FORMWORK & REINFORCEMENT SHALL BE INSPECTED BY A REPRESENTATIVE OF THE NRCS PRIOR TO THE PLACEMENT OF CONCRETE. A MINIMUM OF 1 DAYS NOTICE IS REQUIRED.
3. CONCRETE FORM OIL SHALL BE APPLIED TO THE FORMS PRIOR TO ERECTION. (NO FORM OIL ON REINFORCING)
4. ALL CONCRETE & REINFORCING SHALL BE INSTALLED ACCORDING TO VT NRCS CONSTRUCTION SPECIFICATION #31, "CONCRETE AND STEEL REINFORCEMENT". CONCRETE SHALL BE DELIVERED BY READY MIX METHODS, MEETING ASTM C94.
5. ALL REINFORCING STEEL SHALL BE GRADE 60. SHALL BE IN PLACE PRIOR TO CONCRETE PLACEMENT (NO PLUNKING). SHALL HAVE THE MINIMUM CLEAR COVER AS SHOWN ON THE DRAWINGS.
6. ALL REINFORCING SHALL BE ACCURATELY PLACED, TOLERANCE IS ±1/2". IT SHALL BE SECURED IN POSITION TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT.
7. CONCRETE MIX DESIGN SHALL BE THE RESPONSIBILITY OF THE SUPPLIER IN ACCORDANCE WITH ASTM C94 SECTION 6.5 OPTION C, MEETING VT NRCS CONSTRUCTION SPECIFICATION #31, "CONCRETE AND STEEL REINFORCEMENT"
8. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE 28 DAY STRENGTH OF 3000 PSI. THE MAXIMUM WATER CEMENT RATIO OF THE PLACED CONCRETE SHALL BE 0.50.
9. ALL CONCRETE SHALL BE PLACED AT A SLUMP BETWEEN 3 TO 5 INCHES, UNLESS A WATER REDUCER OR PLASTICIZER ARE USED.
11. NO ADDITIONAL MIXING WATER SHALL BE ADDED TO THE CONCRETE AFTER BATCHING AT THE PLANT, CONCRETE SHALL BE DELIVERED AT THE DESIRED PLACEMENT SLUMP.
12. CONCRETE SHALL BE DISCHARGED WITHIN 90 MINUTES OF THE ADDITION OF CEMENT TO THE MIX. OTHERWISE A SET RETARDING ADMIXTURE SHALL BE USED. DRY MIXING WILL NOT BE ALLOWED.
13. BENTONITE/BUTYL RUBBER OR PVC CENTER BULB TYPE WATERSTOP SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE DRAWINGS. MINIMUM CONCRETE COVER OVER WATERSTOP SHALL BE 3" OR MANUFACTURER'S RECOMMENDED MINIMUM COVER, WHICHEVER IS GREATER.
14. ALL COLD JOINTS NOT SHOWN ON THESE DRAWINGS SHALL HAVE PRIOR APPROVAL OF THE NRCS. ALL COLD JOINTS SHALL HAVE AN APPROVED WATERSTOP.
15. NO CONCRETE SHALL BE PLACED WHEN THE NATIONAL WEATHER SERVICE FORECASTS THE MINIMUM DAILY ATMOSPHERIC TEMPERATURE WILL BE LESS THAN 40° FAHRENHEIT THE DAY OF THE PLACEMENT OR EITHER OF THE FOLLOWING 2 DAYS. UNLESS COLD WEATHER CONCRETING PRACTICES ARE FOLLOWED:
    - 15.1. TEMPERATURE FORECASTED TO BE LESS THAN 40° F BUT GREATER THAN 31° F – CONCRETE SHALL BE COMPLETELY COVERED WITH PLASTIC SHEETING AND BE MAINTAINED FOR A MINIMUM OF 3 DAYS.
    - 15.2. TEMPERATURE FORECASTED TO BE LESS THAN 31° F BUT GREATER THAN 25° F – CONCRETE SHALL BE COMPLETELY COVERED WITH INSULATING BLANKETS AND A MINIMUM OF ONE THERMOMETER WITH MAX/MIN TEMPERATURE STORAGE, PER 1500 SF OF PLACEMENT. SHALL BE PLACED AT THE NRCS INSPECTORS DISCRETION. IF THE MIN. TEMPERATURE RECORDED IS BELOW 40° F, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENCLOSE AND HEAT THE PLACEMENT TO A MIN. OF 55° F AND MAINTAIN IT FOR A MINIMUM OF THREE DAYS.
    - 15.3. TEMPERATURE FORECASTED TO BE 25° F OR LESS – NO PLACEMENT WITHOUT SUPPLEMENTAL HEAT TO MAINTAIN A MINIMUM CONCRETE SURFACE TEMPERATURE OF 55° F FOR A MINIMUM OF 3 DAYS.
16. CONCRETE SHALL NOT BE PLACED WHEN THE DAILY MAXIMUM TEMPERATURE IS EXPECTED TO BE GREATER THAN 90 DEGREES.
17. CONCRETE FORMS SHALL BE REMOVED ONLY AFTER A MINIMUM OF 12 HOURS HAVE ELAPSED SINCE THE COMPLETION OF THE CONCRETE PLACEMENT.
18. CONCRETE SHALL BE CURED FOR A MINIMUM OF 7 DAYS BY THE USE OF A CURING COMPOUND (ASTM C309 TYPE 1-D FUGITIVE DYE OR TYPE 2 WHITE PIGMENTED), SATURATED COVER MATERIAL OR FREQUENT APPLICATION OF WATER. CURING COMPOUND SHALL BE APPLIED WITHIN 12 HOURS OF THE COMPLETION OF THE CONCRETE PLACEMENT OR WHEN THE INITIAL SET OCCURS. CURING COMPOUND SHALL BE ONSITE PRIOR TO CONCRETE PLACEMENT. APPLICATION RATE SHALL NOT BE LESS THAN 1 GALLON PER 175 SQUARE FEET.

FABRICATED STEEL NOTES

1. STRUCTURAL STEEL COMPONENTS SHALL BE CUT AND WELDED BY A QUALIFIED PERSON. WELDING SHALL BE IN ACCORDANCE WITH THE APPLICABLE AWS/ANSI STANDARDS.
2. COMPLETED STEEL STRUCTURE SHALL BE GALVANIZED OR PAINTED IN ACCORDANCE WITH VT NRCS CONSTRUCTION SPECIFICATION #46 "METAL FABRICATION AND PAINTING"

1	9-6-19	INITIAL DRAWING	TKJ
2	9-27-19	CORRECTIONS	TKJ
NO.	DATE	DESCRIPTION	BY

Date
Designed TATE JEFFREY 8-19
Drawn TATE JEFFREY 8-19
Checked ROB ALLEN 9-19
Approved by 9-27-19

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

HAZARD CLASS LOW

JOB CLASS V

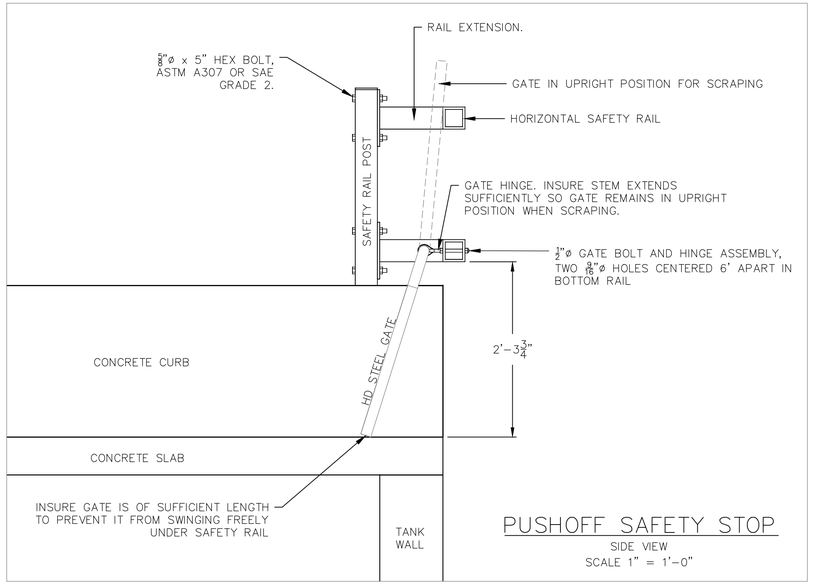
VERMONT STANDARD DRAWING
PUSHOFF SAFETY STOP
COVER SHEET

VERMONT

File Name

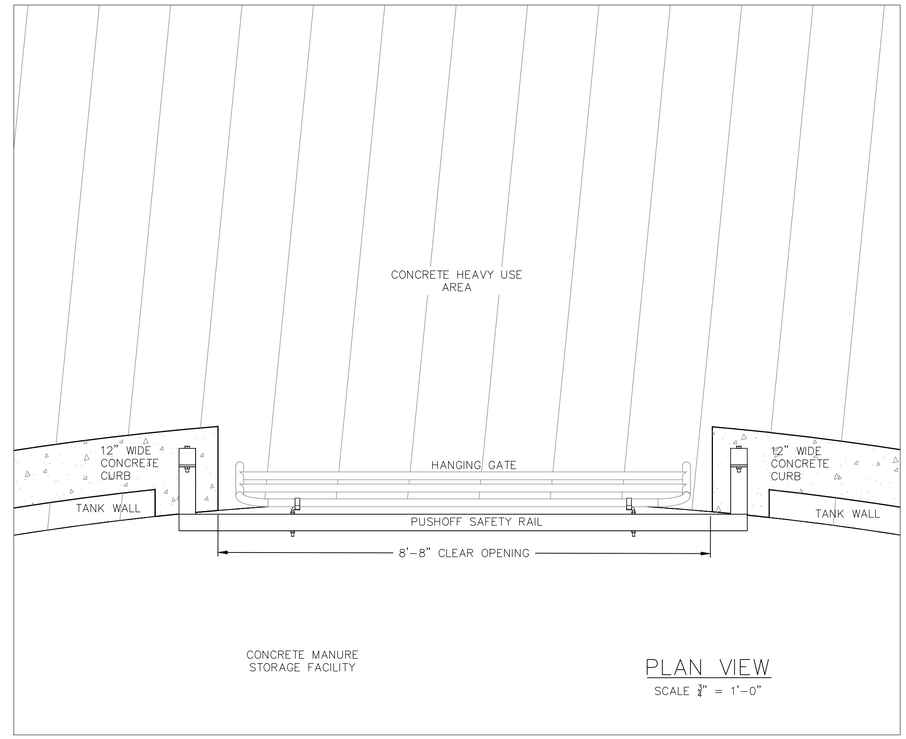
Drawing Name
VT-SAFETYSTOP-3

Sheet 1 of 3



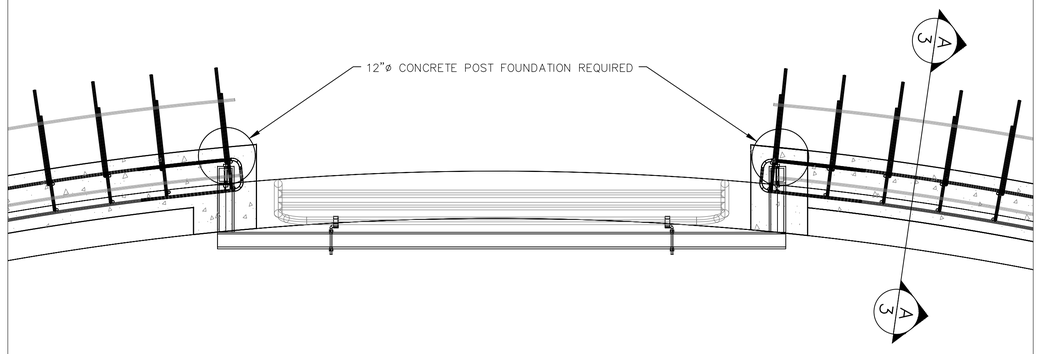
PUSHOFF SAFETY STOP

SIDE VIEW
SCALE 1" = 1'-0"



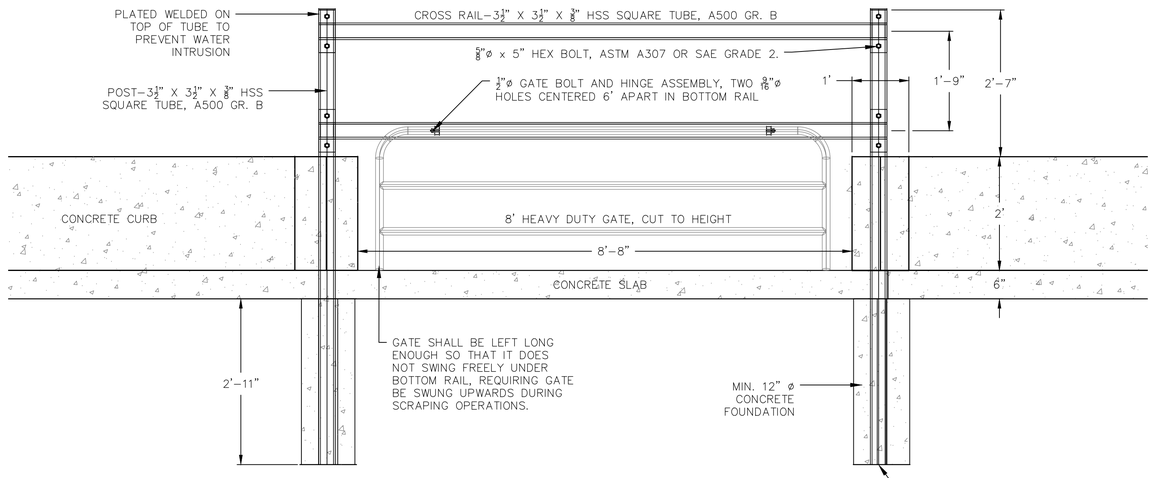
PLAN VIEW

SCALE ¾" = 1'-0"



PUSHOFF SAFETY STOP

TOP VIEW
SCALE ¾" = 1'-0"



PUSHOFF SAFETY STOP

FRONT VIEW
SCALE ¾" = 1'-0"

		Date
Designed	TATE JEFFREY	8-19
Drawn	TATE JEFFREY	8-19
Checked	ROB ALLEN	9-19
Approved by		9-27-19

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

HAZARD CLASS
LOW

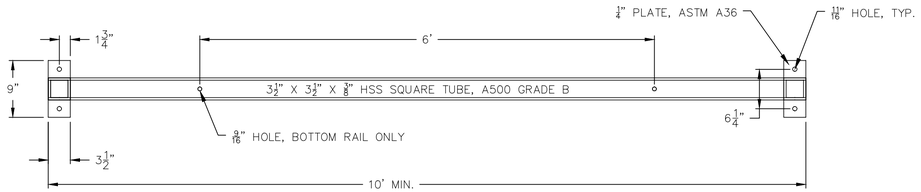
JOB CLASS
V

VERMONT

VERMONT STANDARD DRAWING
PUSHOFF SAFETY STOP
PLAN SHEET

File Name

Drawing Name
VT-SAFETYSTOP-3



CROSS RAIL

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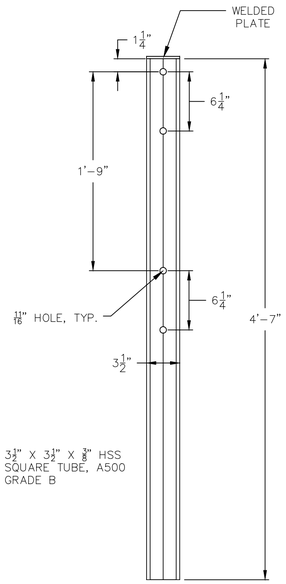
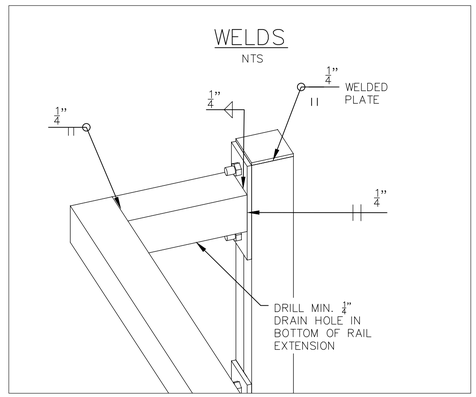
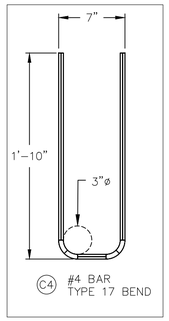


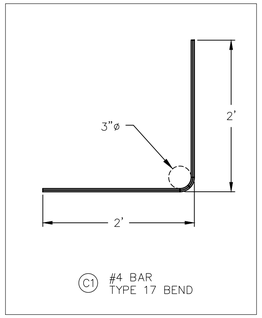
POST

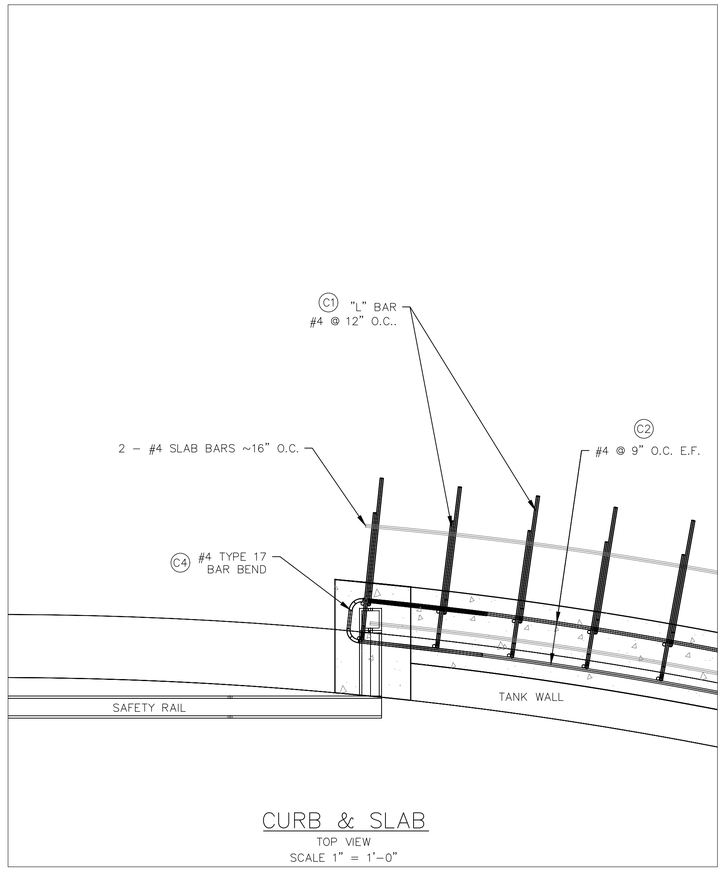
SCALE 1½" = 1'–0"



BAR BENDS



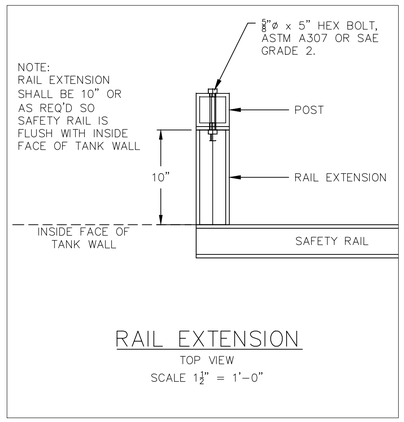




CURB & SLAB

TOP VIEW

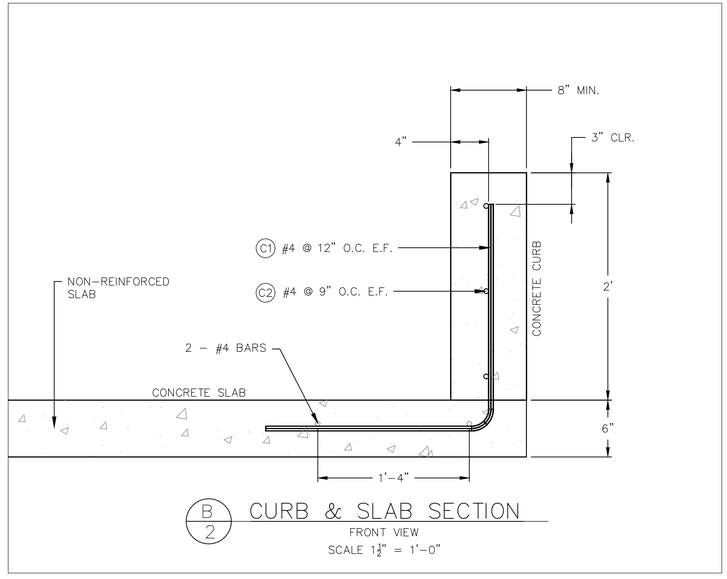
SCALE 1" = 1'–0"



RAIL EXTENSION

TOP VIEW

SCALE 1½" = 1'–0"



B/2 CURB & SLAB SECTION

FRONT VIEW

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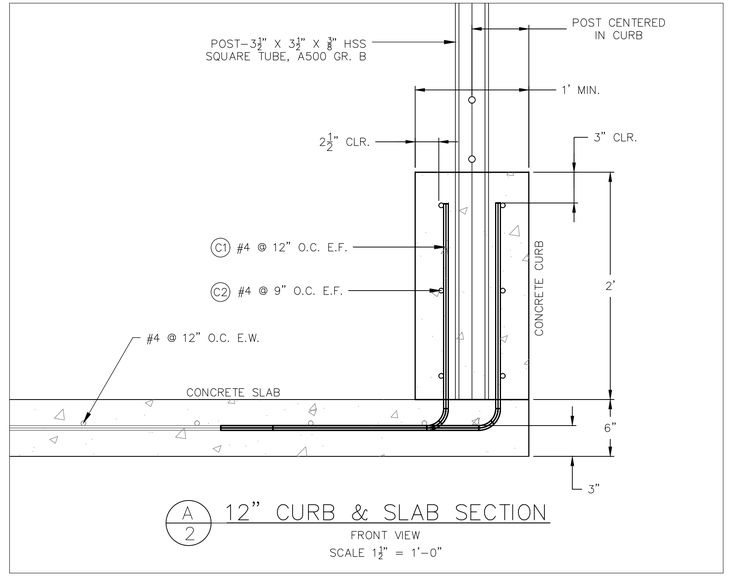

A/2 12" CURB & SLAB SECTION

FRONT VIEW

SCALE 1½" = 1'–0"

Date	
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PUSHOFF SAFETY STOP
DETAILS SHEET

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Sheet 3 of 3