

# Addendum

**Project No:** TS: 241072 / CoC: 51104

**Date:** April 30, 2025

**Project Name:** FMB Repurpose

**AD No:** 01

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The following information supplements and/or supersedes the bid documents issued on [Click here to enter date.](#)

This Addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form. Failure to do so may subject the bidder to disqualification.

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Please refer to the red clouds for the changes on this addendum. We have also summarized the changes, please see below.

## Drawings

1. A410
  - a. Guardrail and chainlink on asphalt details have been revised to show the augered hole and concrete fill. Refer to details 3/A410 and 8/A410. The post and rail sizes have also been revised to the standard dimensions.
  - b. Added a detail for chainlink attachment on concrete slab. Refer to detail 11/A401.

## Specifications

1. Section 32 31 00 Fences and Gates
  - a. The post and rail sizes have been revised to the standard dimensions
  - b. Added some notes on concrete for the chainlink and guardrail attachment on asphalt.

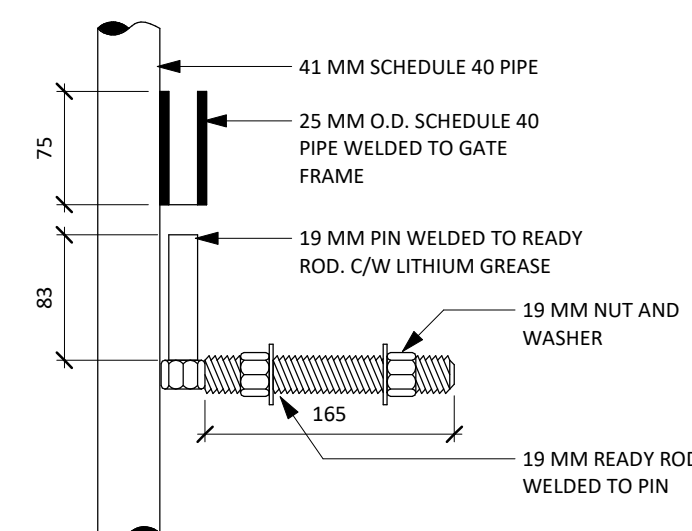
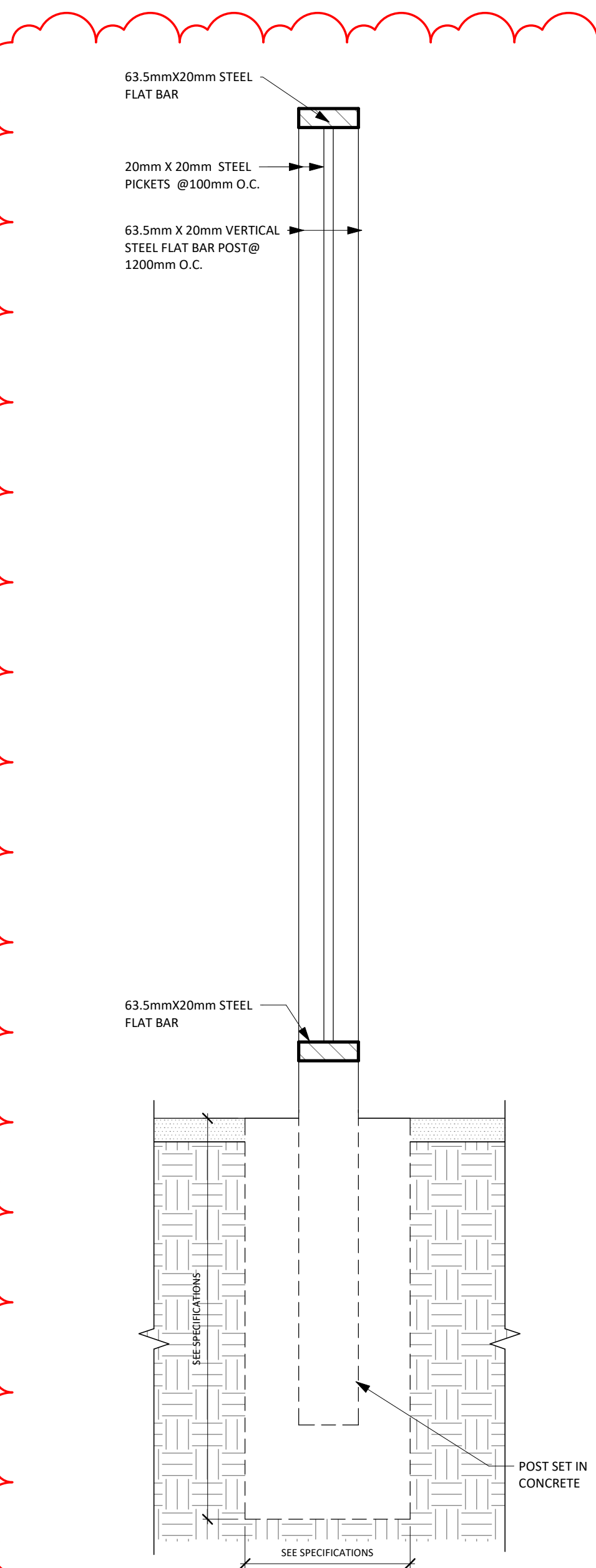
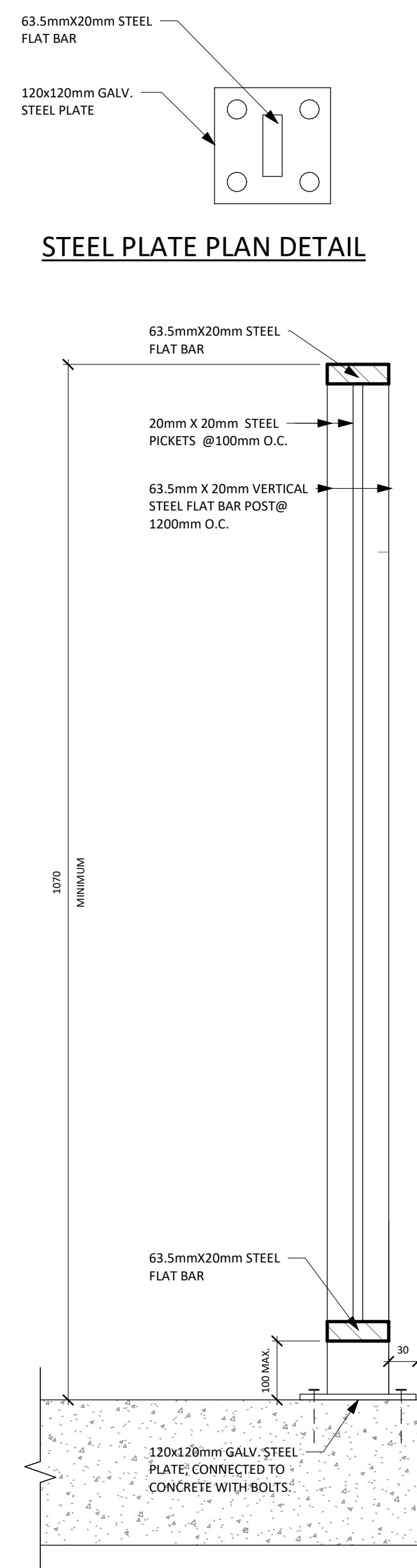
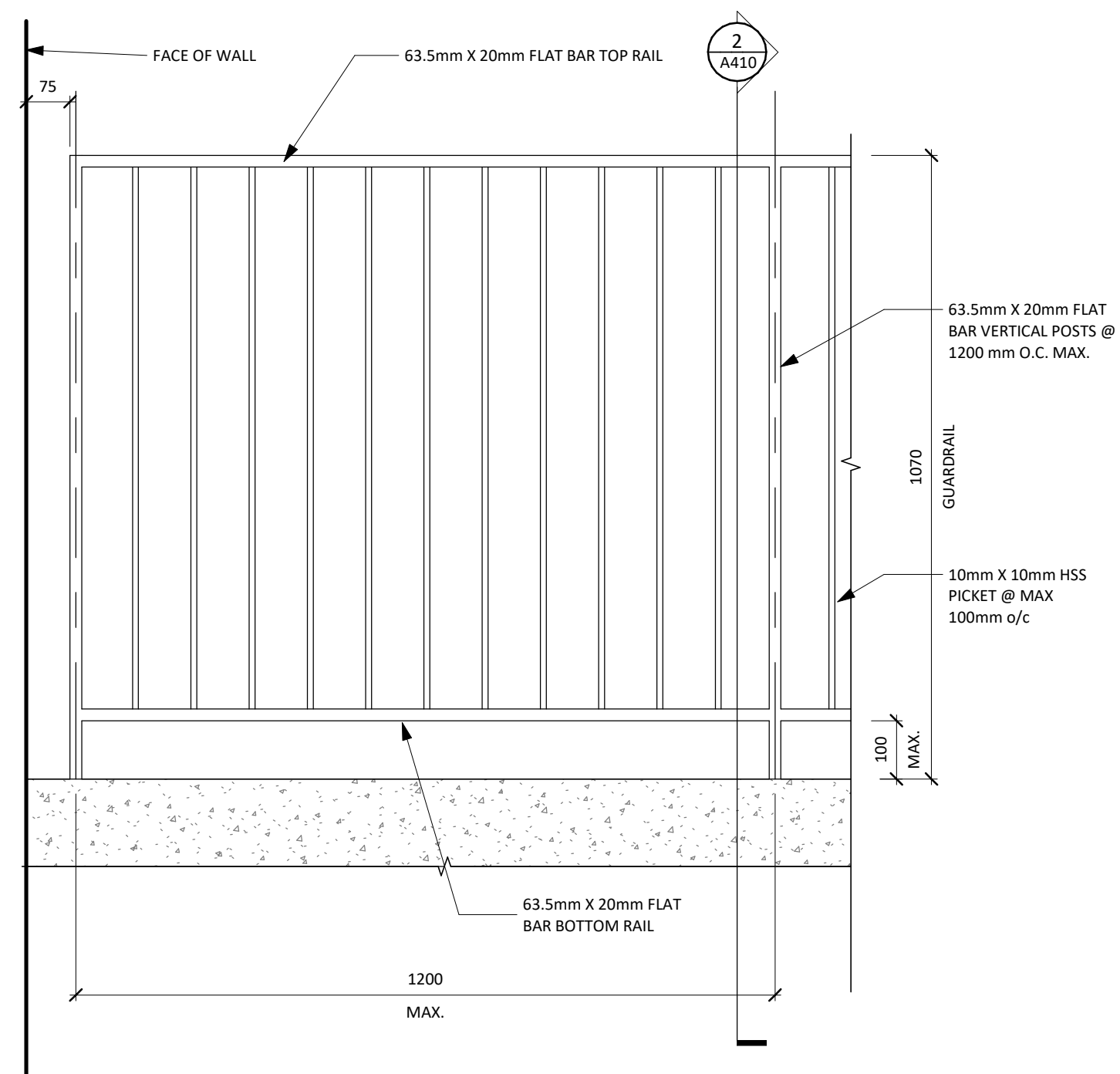
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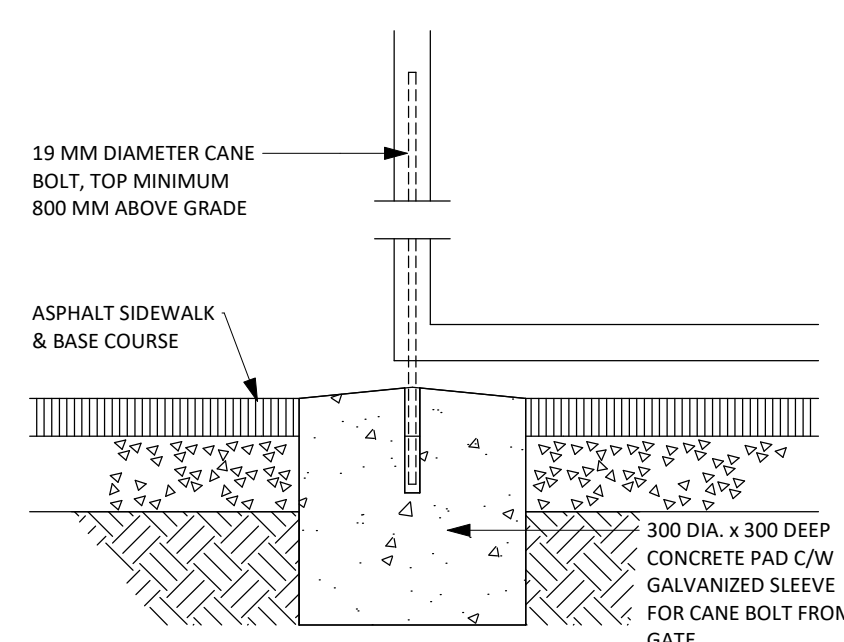
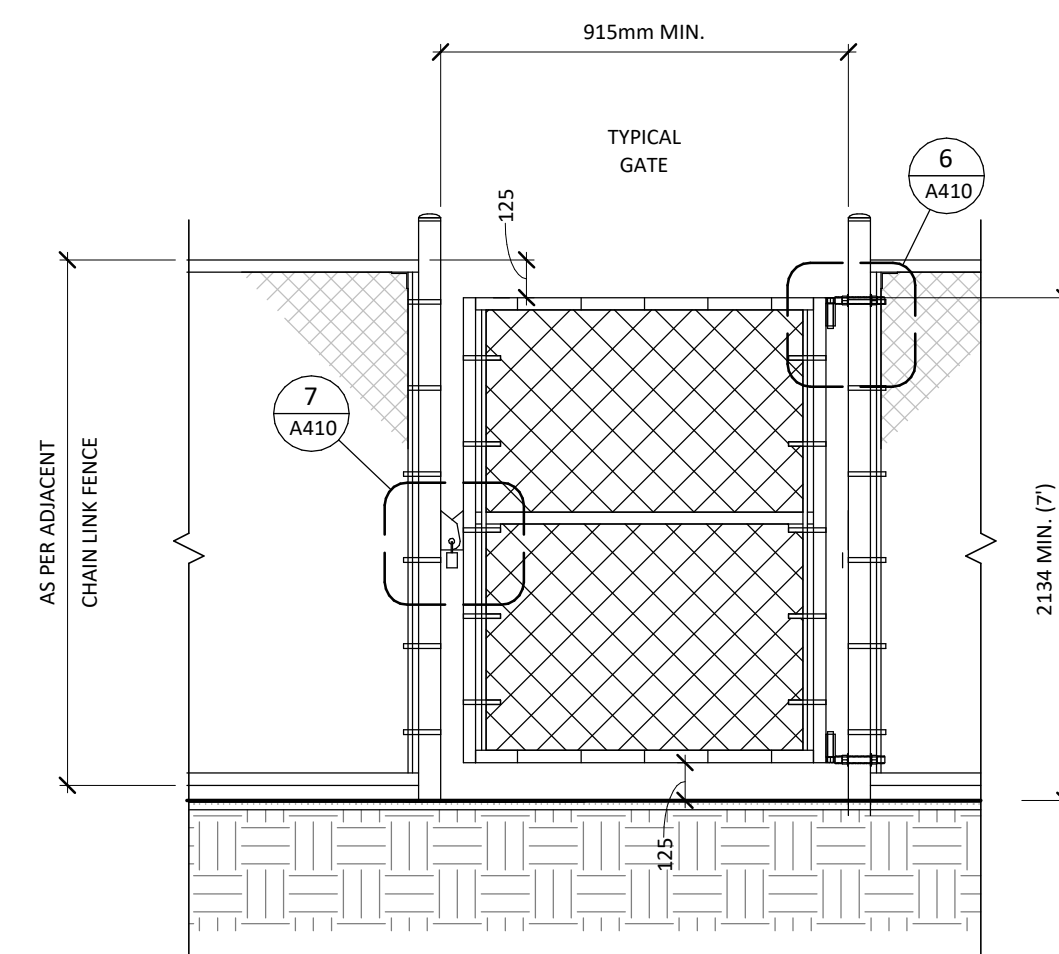
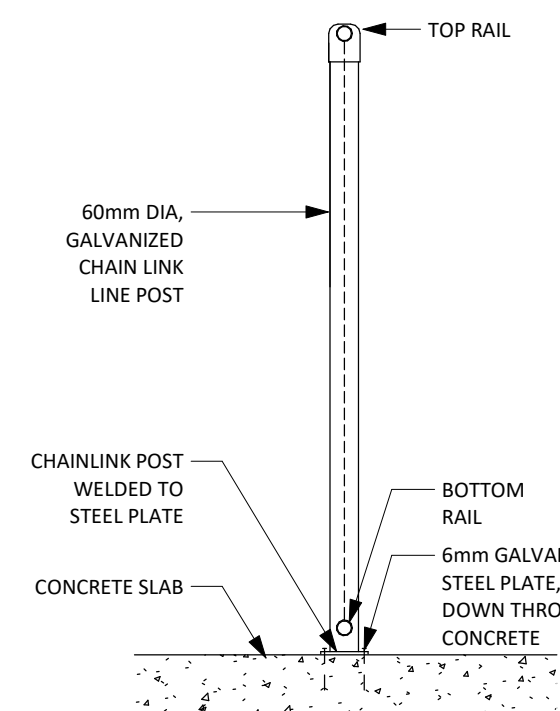
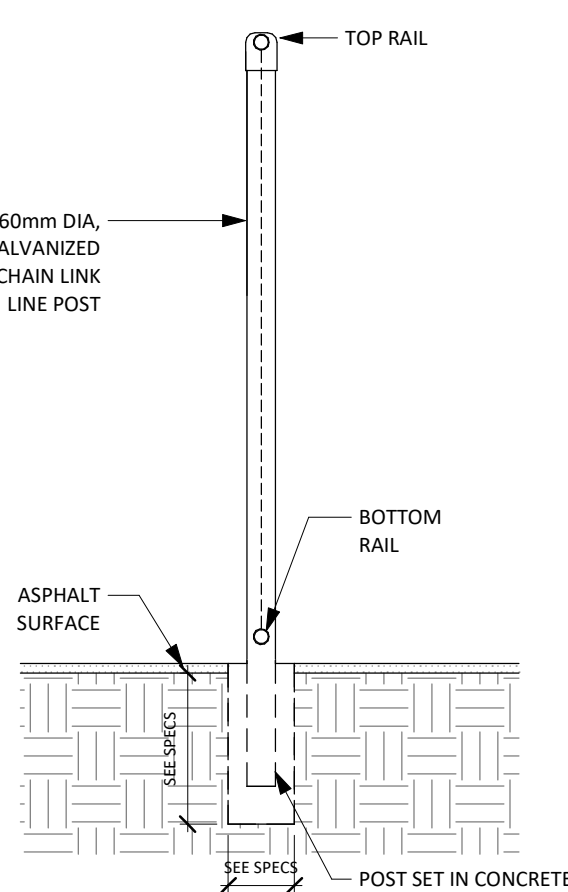
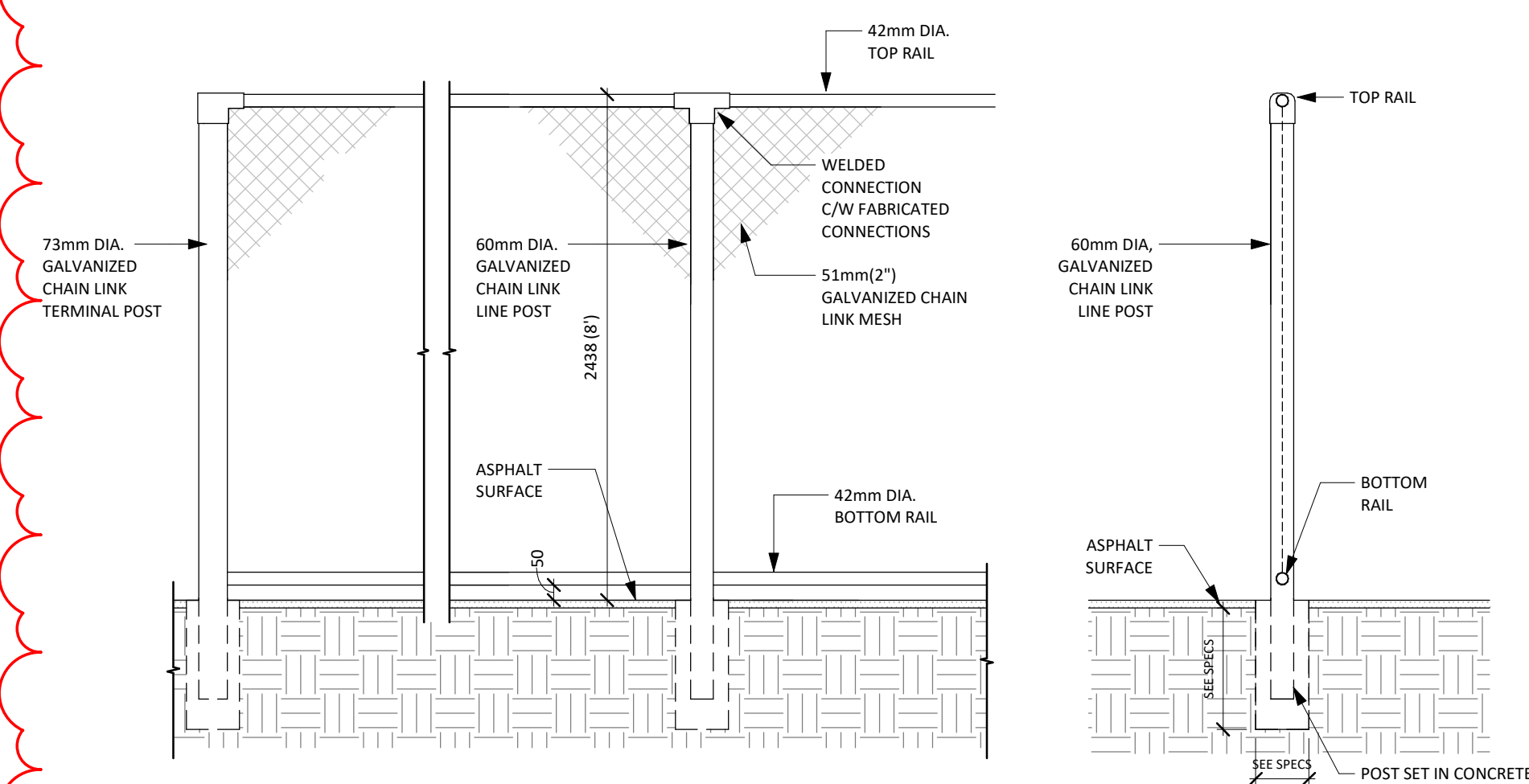
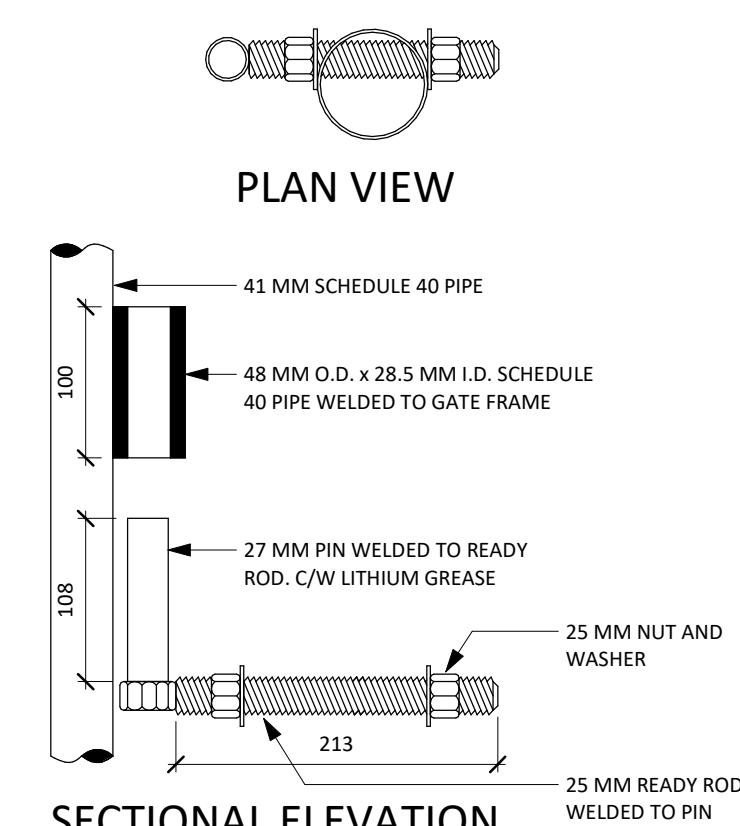
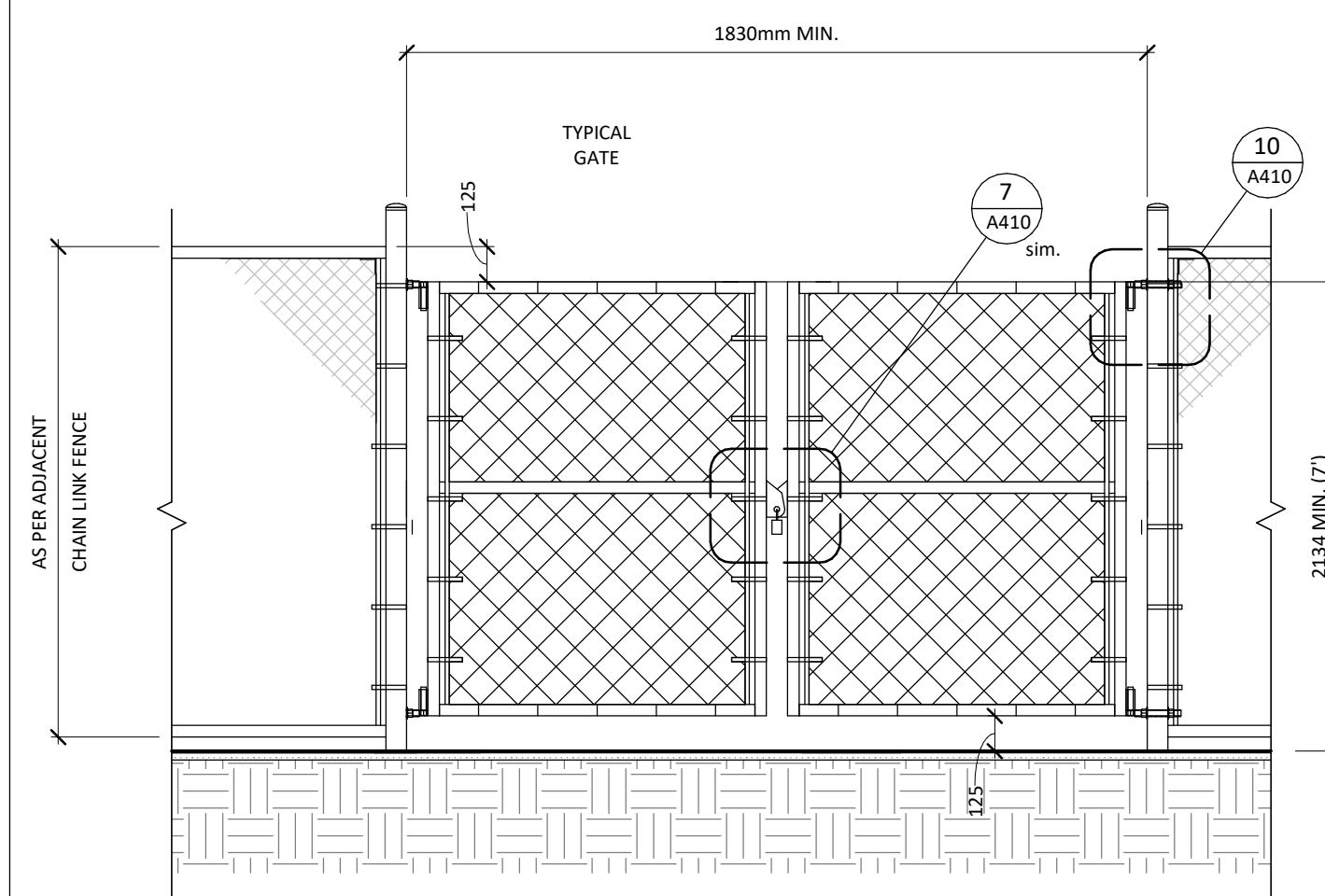
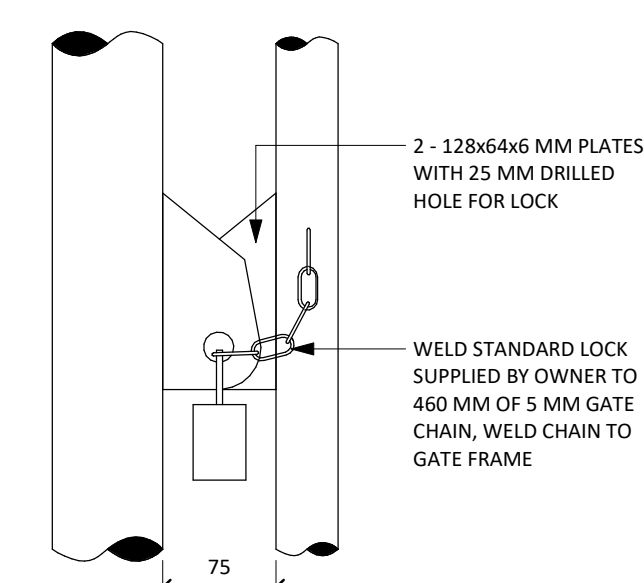
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Keshia Laisianto, Technologist

**Thinkspace Architecture® Planning Interior Design Ltd.**



6 CHAIN LINK - SINGLE GATE HINGE  
1:5





## **Part 1 General**

### **1.1 SUMMARY**

- .1 Furnish all labour, materials, equipment, accessories and services necessary for the complete supply and installation of galvanized steel chainlink fence as indicated on the drawings, scheduled, and as specified.
- .2 Related Sections:
  - .1 Coordinate work of this section with work of other sections as required to properly execute the work and as necessary to maintain satisfactory progress of the work of other sections, including:
    - .1 Section 01 10 00 General Requirements

### **1.2 REFERENCES**

- .1 Reference Standards; Proceed in accordance with the current edition of the following:
  - .1 ASTM B117: Standard Practice for Operating Salt Spray (Fog) Apparatus.
  - .2 ASTM D822: Tests on Paint and Related Coatings Using Filtered Open-Flame Carbon-Arc Exposure Apparatus.
  - .3 ASTM D2794: Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
  - .4 ASTM D3363: Test Method for Film Hardness by Pencil Test.

### **1.3 SUBMITTALS**

- .1 Submit the following items in accordance with Section 01 10 00 General Requirements.
- .2 Submit the following items:
- .3 Product data: including construction details, material descriptions and thicknesses, dimensions, profiles, fastening and mounting methods, specified options, maintenance instructions and finishes specified.
- .4 Product data: Manufacturer's data sheets on each product to be used, including:
  - .1 Product characteristics, performance criteria, physical size, finish and limitations.
- .5 Shop drawings:
  - .1 Submit drawings stamped and signed by professional engineer registered or licensed in British Columbia, Canada.
    - .1 Submit Schedule S-B; Assurance of professional design and commitment for field review.
    - .2 Submit Schedule S-C; Assurance of professional field review and compliance.
    - .3 Indicate components and installation methods to conform to specified seismic design and construction requirements of Contract Documents.
  - .2 Construction details, material descriptions and thicknesses, dimensions, profiles, fastening and mounting methods, specified options, maintenance instructions and finishes specified.
- .6 Field Inspection Records: Provide installation inspection records that include post settings, framework, fittings and accessories, gates, and workmanship.





#### **1.4 CLOSEOUT SUBMITTALS**

- .1 Submit the following items in accordance with Section 01 10 00 General Requirements for incorporation into architectural O & M Manual.
  - .1 Warranty documentation.

#### **1.5 QUALITY ASSURANCE**

- .1 Proceed in accordance with Section 01 10 00 General Requirements.
- .2 Qualifications:
  - .1 Manufacturer and Installer Qualifications:
    - .1 Minimum five (5) years documented experience manufacturing and/or installing similar products and size projects.

#### **1.6 DELIVER, STORAGE, HANDLING AND PROTECTION**

- .1 Deliver, store, handle and protect materials in accordance with Section 01 10 00 General Requirements and with manufacturer's written instructions.
- .2 Storage, Handling and Protection Requirements:
  - .1 Store materials in accordance with manufacturer's recommendations in clean, dry, free from dampness, and well-ventilated area.
  - .2 Store, protect and prevent product from damage.
  - .3 Replace defective or damaged materials with new.
- .3 Packaging Waste Management:
  - .1 Proceed in accordance with Section 01 10 00 General Requirements.
  - .2 Separate waste materials for recycling.

#### **1.7 WARRANTY**

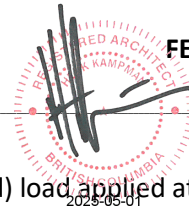
- .1 Manufacturer's warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to and not intended to limit other rights Owner may have under Contract Conditions.

### **Part 2 Products**

#### **2.1 MATERIALS**

- .1 Heavy Industrial Galvanized Steel Chain Link Fence System - Internally Secured: System includes fence posts, framework, and mounting accessories.
  - .1 Steel: need to be updated to steel components
    - .1 Tubular Pickets, Rails and Posts: Shall conform to ASTM B221.
    - .2 Extrusions for Posts and Rails (Outer Channel): 6005-T5.
    - .3 Extrusions for Pickets and Rail (Inner Slide Channels): 6063-T5.





- .2 Panels: Capable of supporting a 270 kg (600 pound) load applied at midspan without permanent deformation
- .3 Rails:
  - .1 Double-walled U channel; outside cross-section dimensions of (1-3/4 inch) (44.5 mm) square; interior guide channel shall form lower limit of raceway for retaining rod.
  - .2 Panel Length: Per drawings.
  - .3 Panel Height: 2438mm (8 foot) typical.
  - .4 Rail Strength: Effective Wall Thickness: top wall of outer channel of the rail shall be 2.54 mm (0.100 inch) thick; side walls shall be 3.05 mm (0.120 inch) thick.
  - .5 Enclosed Retaining Rod: Retaining rods shall be 3.2 mm (0.125 inch) diameter galvanized steel. Variable pitch connection system for, high angle racking and elimination of external fasteners.
  - .6 PVC Grommets: Provide grommets to seal all line post-to-rail intersections.
  - .7 Galvanized mesh in between line posts to be 51mm (2")
- .4 Chain Link mesh to be made of galvanized 11-gauge wire.
- .5 Fasteners: All fasteners shall be 302 stainless steel; match finish of fence.
  - .1 Security Fastener: one-way tamperproof security bolts with inverted t-nuts.
  - .2 Bracket to Post Connections: Self-drilling hex-head screws.
- .6 Racking/Biasability (Ability of Panels to Follow Grades): Minimum of 25 percent slope.
- .7 Posts:
  - .1 Line posts:
    - .1 Over 1830 mm fence height: 60 mm outside diameter. Line post spaced at 2400 mm maximum O.C.
    - .2 End and corner, posts: 73 mm outside diameter.
    - .3 Gate posts: 60 mm outside diameter.
- .8 Top and Bottom Rails:
  - .1 42 mm outside diameter, random lengths.
- .9 Mid Rails:
  - .1 38 mm outside diameter, random lengths.
- .10 Concrete footings: minimum 25 MPa ready mixed concrete at 28 days, complying with CSA A23.1/A23.2; normal Portland cement; 75 mm slump, to the following minimum dimensions:
  - .1 Gate, end and corner posts: 1200 mm deep, 500 mm OD.
  - .2 Line posts:
    - .1 Over 2400 mm and less than 3100mm above grade fence height: 1200 mm deep, 360 mm OD.

A#1



## 2.2 ACCESSORIES

- .1 Fasteners: Stainless steel bolts of type, size, and spacing as recommended by fence manufacturer for specific condition.
- .2 End caps: Provide aluminum caps for exposed open extruded aluminum sections and for attachment of components to posts.
- .3 Provide anti-intruder bolts consisting of cup head bolt and nut with clamping hexagon such that tightening shears hexagon and render bolt impossible to release.

## 2.3 FINISHES

- .1 Product, Colour and Finish: to be selected by consultant from manufacturer's standard full product line.
- .2 Coating Performance Requirements: Coating meets or exceeds the following: update to steel
  - .1 Adhesion (ASTM D 3359, Method B): Adhesion over 90 percent of test area (tape and knife test).
  - .2 Corrosion Resistance (ASTM B 117, ASTM D 1654): Coated galvanized steel shall be capable of salt spray resistance for 1,000 hours without loss of adhesion on parts scribed per ASTM D1654 and tested in accordance with ASTM Test Method B117. Failure is considered to have occurred when there is either 1/8 inch (3.18 mm) coating loss from the scribed mark or an accumulation of medium #8 blisters.
  - .3 Impact Resistance (ASTM D 2794): 60 inch pounds, minimum (impact using 0.625 inch ball).
  - .4 Weathering Resistance (ASTM D 822, D 2244, D 523 - 60 Degree Method): 1,000 hours, minimum (failure mode is 60 percent loss of gloss or color variance of more than 3 delta-E color units.)

## Part 3 Execution

### 3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

### 3.2 EXAMINATION

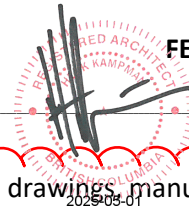
- .1 Verification of Conditions: verify that conditions of substrate are acceptable for installation in accordance with manufacturer's written instructions.

### 3.3 INSTALLATION IN CONCRETE-FILLED AUGERED HOLE

- .1 Erect fences along lines as indicated on Site Plans and in accordance with CAN/CGSB-138.3.
- .2 Provide clearance between bottom of fence and ground surface neither less than 30 mm nor more than 50 mm.

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- .3 Comply and install with reviewed signed and sealed shop drawings, manufacturer's written recommendations and specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.
- .4 Set intermediate, terminal, gate, and line posts plumb, in concrete footings with top of footing 50 mm above finish grade. Slope top of concrete for water runoff.
- .5 Provide concrete center drop to footing depth and drop rod retainers at center of gate openings. Proceed in accordance with Section 01 10 00 General Requirements.
- .6 Apply paint on the welded galvanized steel. Refer to Section 09 91 00 Painting.
- .7 Do not install bent, bowed, or otherwise damaged components. Remove damaged components from site and replace.
- .8 Gates:
  - .1 Install gates and adjust hardware for smooth operation.
  - .2 After installation, test gate and operator. Open and close a minimum of five times. Correct deficiencies and adjust.
- .9 Touch-up damaged finish with paint supplied by manufacturer and matching original coating.

### **3.4 INSTALLATION ON SURFACE**

- .1 Proceed in accordance with Section 01 10 00 General Requirements.
- .2 Comply and install with reviewed signed and sealed shop drawings, manufacturer's written recommendations and specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.
- .3 Install fence posts plumb and level.
- .4 Apply paint on the welded galvanized steel. Refer to Section 09 91 00 Painting.
- .5 Do not install bent, bowed, or otherwise damaged components. Remove damaged components from site and replace.
- .6 Gates:
  - .1 Install gates and adjust hardware for smooth operation.
  - .2 After installation, test gate and operator. Open and close a minimum of five times. Correct deficiencies and adjust.
- .7 Touch-up damaged finish with paint supplied by manufacturer and matching original coating.

### **3.5 CLEANING AND WASTE MANAGEMENT**

- .1 Proceed in accordance with Section 01 10 00 General Requirements.
  - .1 Leave Work area clean at end of each day.
- .2 Clean surfaces after installation using manufacturer's written recommended cleaning procedures.



- .3 Final Cleaning: Upon completion remove surplus materials, rubbish, tools and equipment
- .4 Waste Management: Separate waste materials for reuse and recycling.
  - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.

### **3.6 PROTECTION**

- .1 Protect installed products and components from damage during construction.
- .2 Repair or replace damage to adjacent materials caused by work of this section before Substantial Completion.

**END OF SECTION**