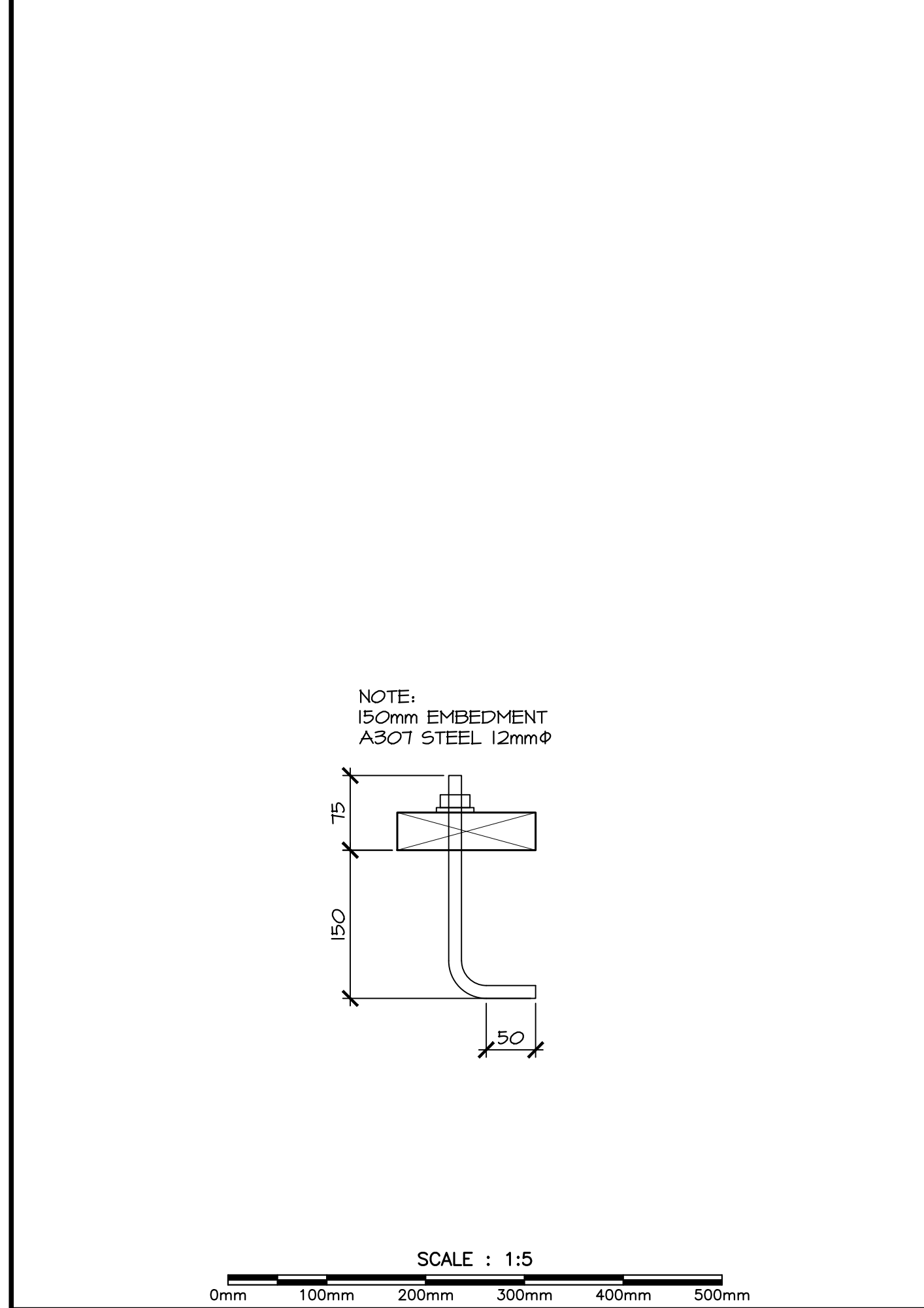
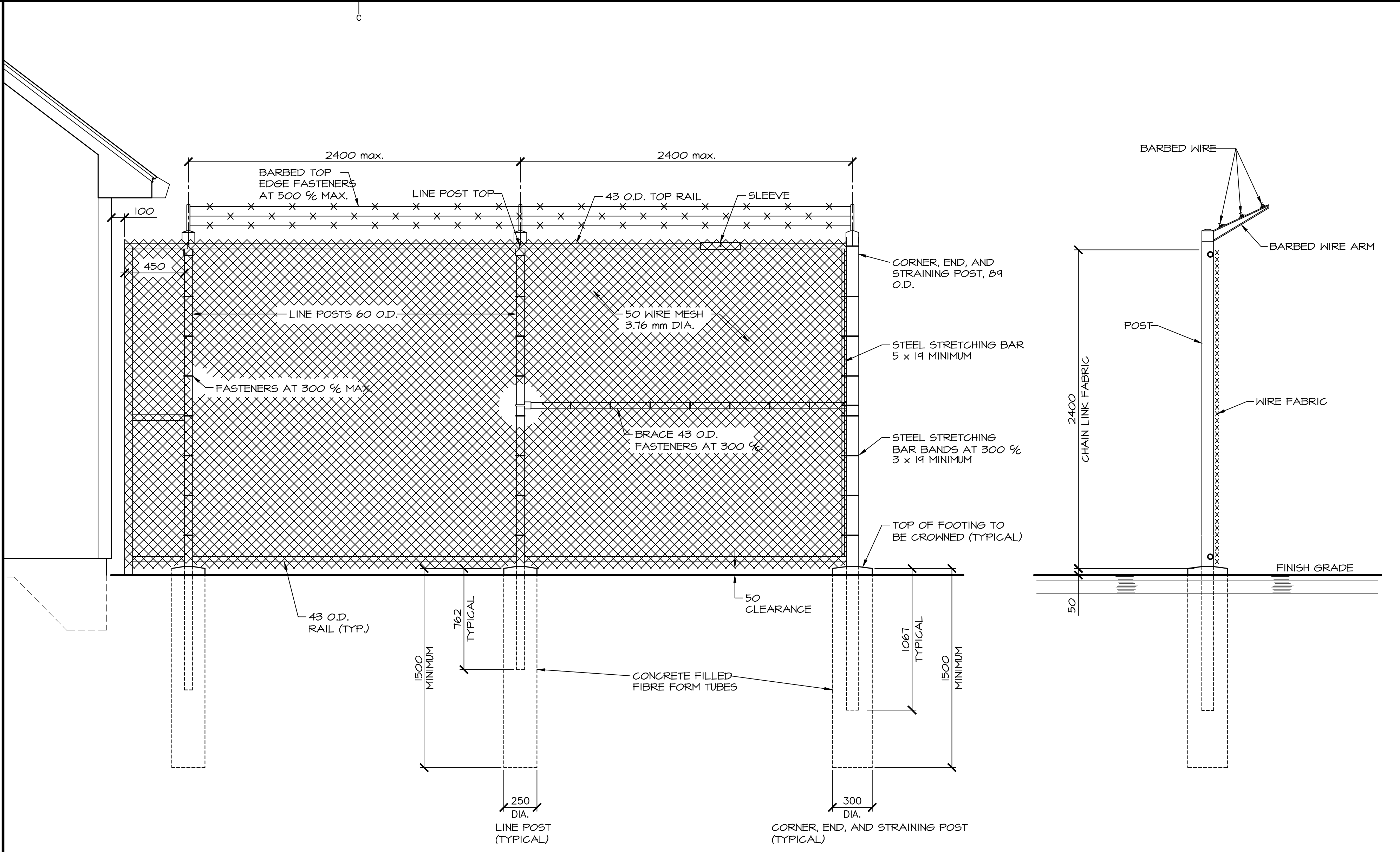


CONCRETE SLAB - PLAN & SECTION B



ANCHOR BOLT DETAIL



NOTE, REFER TO DRAWING E3 FOR THE FENCE LAYOUT AND LOCATION.

FENCE ELEVATION AND SECTION

CONSTRUCTION NOTES:

CHAIN LINK FENCE:

CHAIN LINK FENCE FABRIC: TO CAN/C65B-138-1, GALVANIZED, TYPE 1, CLASS A, STYLE 2, GRADE 2.

- STEEL WIRE SIZE: 3.5 mm.
- SIZE OF MESH: 50 mm.
- HEIGHT OF WIRE MESH: 2400 mm CONTINUOUS FROM TOP TO BOTTOM.
- SELVEDGE OF FABRIC: TOP-TWISTED, BOTTOM KNUCKLED.
- BARBED WIRE: 3 STRANDS AT TOP. POSTS, BRACES AND RAILS: TO AN/C65B-138-2, GALVANIZED TUBULAR STEEL PIPE, TO MEET FOLLOWING REQUIREMENTS:

1. LINE POSTS TO BE TO ASTM F1083 HIGH STRENGTH, GRADE 345 MPa (50 ksi YIELD) - ASTM F1043 GROUP 1A. MINIMUM SIZE TO BE 60 mm OUTSIDE DIAMETER, 3.91 mm WALL THICKNESS AND HAVE A MASS OF 5.43 kg/m.

2. CORNER, END, GATE, AND STRAINING POSTS TO BE TO ASTM F1083 HIGH STRENGTH, GRADE 345 MPa (50 ksi YIELD) - ASTM F1043 GROUP 1A.

3. CORNER, END AND STRAINING POSTS TO BE 89 mm OUTSIDE DIAMETER, .49mm WALL THICKNESS AND HAVE A MASS OF 11.28 kg/m.

4. SUPPLY WITH STRETCHING BANDS AND BARS FOR ATTACHING THE FABRIC TO

THE POSTS, AND BANDS FOR ATTACHING THE BRACES.

- BOTTOM AND TOP RAILS SHALL BE MINIMUM 42.16 mm OUTSIDE DIAMETER, 3.6 mm WALL THICKNESS AND A MINIMUM 3.38 kg/m MASS. RAILS TO BE SUPPLIED WITH SLEEVES TO ALLOW FOR EXPANSION AND CONTRACTION OF TOP RAIL JOINTS.
- TIE WIRES SHALL BE 3.7 mm DIAMETER GALVANIZED STEEL WIRE TO SECURE CHAIN LINK FABRIC TO BOTTOM RAIL, TOP RAIL AND LINE POSTS AT 300 mm INTERVALS.
- TENSION BARS SHALL BE 5 mm BY 19 mm MINIMUM BY 2400 mm GALVANIZED STEEL.
- ALL COLLARS SHALL HAVE NUTS FACING THE COMPOUND INTERIOR AND BE TORQUED TIGHT.
- WHERE TENSION CABLES ARE USED AT CORNER, END, GATE AND STRAINING POSTS, FITTINGS SHALL BE OF GALVANIZED STEEL.

GATES:

- PROVIDE 2-915mm WIDE X 2100mm HIGH GATES C/W HASP AND HEAVY DUTY PADLOCK. GATE FRAMING TO BE OF 43mm O.D. PIPE. PROVIDE A DROP BOLT BETWEEN THE GATES AND A 200 X 150mm FLAT STOP AT THE TOP.

BARBED WIRE ARMS: IN COMPLIANCE WITH ASTM F626, PRESSED STEEL GALVANIZED AFTER FABRICATION, MINIMUM ZINC COATING OF 610 g/m², CAPABLE OF SUPPORTING A VERTICAL 113 kg LOAD. TYPE 1 - THREE STRAND 45 DEGREE ARM.

METALLIC COATED STEEL BARBED WIRE: COMPLY WITH ASTM A121, DESIGN NUMBER 12-4-5-14R, DOUBLE 12-½ GAUGE (2.51 mm) TWISTED STRAND WIRE, WITH 4 POINT 2.03 mm ROUND BARBS SPACED 127 mm ON CENTER. MATCH COATING TYPE TO THAT OF THE CHAIN LINK FABRIC.

1. COATING TYPE Z - ZINC-COATED: STRAND WIRE COATING TYPE Z, CLASS 3, 254 g/m², BARB COATING 215 g/m².

CONCRETE MIXES AND MATERIALS FOR FENCE POST EMBEDMENTS: TO CAN/CSA-A23.1, EXPOSURE CLASSIFICATION F-1. CEMENT TO BE TYPE 10, (NORMAL), MINIMUM CEMENT CONTENT 380 kg/m³. SLUMP 100 mm. AIR ENTRAINMENT TO PRODUCE 5 - 8% AIR ENTRAINMENT. USE NON-CHLORIDE ACCELERATOR.

CONCRETE FORM TUBES: TO BE MADE FROM WATERPROOF GLUED, SPIRAL WOUND WOOD FIBRE PAPER BOARD.

STEEL PIPE DIMENSIONS AS PER ANSI - SCHEDULE 40.

FINISHES:

ALL FENCE AND GATE COMPONENTS SHALL BE GALVANIZED.

GALVANIZING:

- FOR CHAIN LINK FABRIC: TO CAN/C65B-138-1, GRADE 2.
- FOR PIPE: 550 g/m² MINIMUM TO ASTM A90.
- FOR OTHER FITTINGS: TO ASTM A123/A123M.

ANCHOR BOLT DETAIL

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

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project SEARCH AND RESCUE STATION EMERGENCY POWER ADDITION project

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CONCRETE SLAB, FENCE AND DETAILS

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date AUGUST 2020
drawn M. DEGRACE / C. RUEST dessiné
date AUGUST 2020
approved B. ALLARD approuvé
date
Tender Soumission

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