

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

CONCRETE SLAB - PLAN & SECTION B

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.

1. STEEL WIRE SIZE: 3.5 mm.
2. SIZE OF MESH: 50 mm.
3. HEIGHT OF WIRE MESH: 2400 mm CONTINUOUS FROM TOP TO BOTTOM.
4. SELVEDGE OF FABRIC: TOP-TWISTED, BOTTOM KNUCKLED.
5. 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.

5. 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.
6. 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.
7. TENSION BARS SHALL BE 5 mm BY 19 mm MINIMUM BY 2400 mm GALVANIZED STEEL.
8. ALL COLLARS SHALL HAVE NUTS FACING THE COMPOUND INTERIOR AND BE TORQUED TIGHT.
9. WHERE TENSION CABLES ARE USED AT CORNER, END, GATE AND STRAINING POSTS, FITTINGS SHALL BE OF GALVANIZED STEEL.

**GATES:**

1. 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/m<sup>2</sup>, 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 12-1/2 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/m<sup>2</sup>, BARB COATING 215 g/m<sup>2</sup>.

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/m<sup>3</sup>. 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.

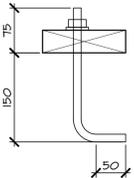
**FINISHES:**

ALL FENCE AND GATE COMPONENTS SHALL BE GALVANIZED.

**GALVANIZING:**

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

NOTE: 150mm EMBEDMENT A3071 STEEL 12mmØ



ANCHOR BOLT DETAIL



1	ISSUED FOR TENDER	07 OCT 2020
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project SEARCH AND RESCUE STATION EMERGENCY POWER ADDITION project

LOUISBOURG, NS.

CONCRETE SLAB, FENCE AND DETAILS

designed M. DEGRACE / C. RUEST	conçu
date AUGUST 2020	
drawn M. DEGRACE / C. RUEST	dessiné
date AUGUST 2020	
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Tender	Soumission
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