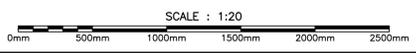
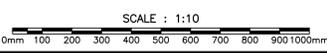
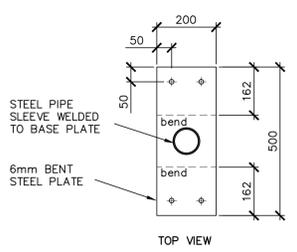
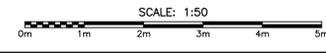


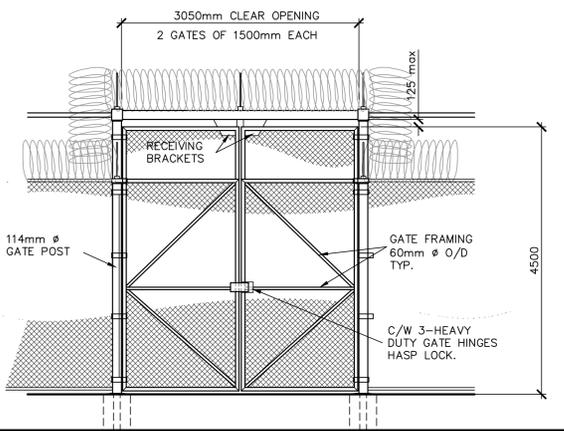
TYP. FENCE SECTION



PARTIAL PLAN



STEEL PLATE @ FENCE TYP.



GATE ELEVATION

REFERENCES:

1. ASTM INTERNATIONAL
 1. ASTM A 53/A 53M-[10] STANDARD SPECIFICATION FOR PIPE, STEEL, BLACK AND HOT-DIPPED, ZINC-COATED WELDED AND SEAMLESS.
 2. ASTM A 90/A 90M-[09] STANDARD TEST METHOD FOR WEIGHT [MASS] OF COATING ON IRON AND STEEL ARTICLES WITH ZINC OR ZINC-ALLOY COATINGS.
 3. ASTM A 121-[07] STANDARD SPECIFICATION FOR ZINC-COATED (GALVANIZED) STEEL BARBED WIRE.
 4. A653/A653M-[10] STANDARD SPECIFICATION FOR STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS.
 5. ASTM A 123/A 123M-[09] STANDARD SPECIFICATION FOR ZINC (HOT DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS.
2. CANADIAN GENERAL STANDARDS BOARD (CGSB)
 1. CAN/CGSB-138.1-[96] FABRIC FOR CHAIN LINK FENCE.
 2. CAN/CGSB-138.2-[96] STEEL FRAMEWORK FOR CHAIN LINK FENCE.
 3. CAN/CGSB-138.3-[96] INSTALLATION OF CHAIN LINK FENCE.
 4. CAN/CGSB-138.4-[96] GATES FOR CHAIN LINK FENCE.
 5. CAN/CGSB-1.181-[99] READY-MIXED ORGANIC ZINC-RICH COATING.
3. CSA INTERNATIONAL
 1. CSA A23.1/A23.2-[09] CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION/TEST METHODS AND STANDARD PRACTICES FOR CONCRETE.
 2. CAN/CSA-A3000-[08] CEMENTITIOUS MATERIALS COMPENDIUM.

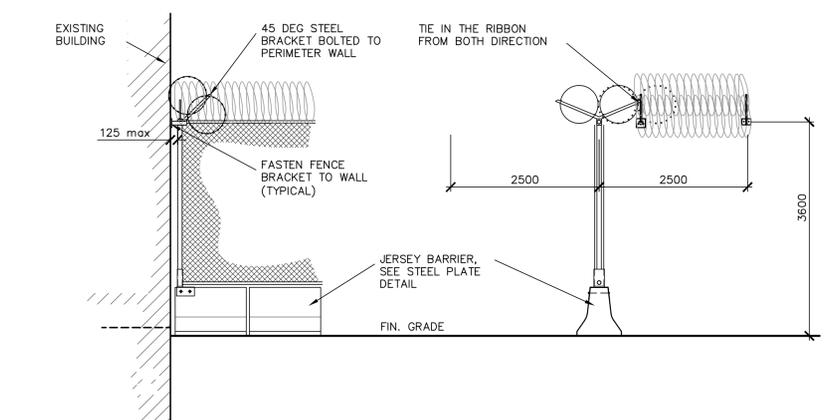
WELDING:

1. ALL WELDING AND WELD MATERIALS SHALL COMPLY WITH CSA-W99, LATEST EDITION, AND BE PERFORMED BY A FABRICATOR FULLY APPROVED UNDER CSA-W47.1, LATEST EDITION.
2. GRIND ALL FIELD WELD AREAS FREE OF GALVANIZING BEFORE WELDING. COAT ALL FIELD WELDS, NICKS/SCRATCHES AND BOLTED CONNECTIONS WITH ZINC RICH PRIMER IN ACCORDANCE WITH CAN/CGSB 1.181.
3. AT SLEEVE/PIPE TO PLATE CONNECTIONS:
 - FILET WELD ALL AROUND
 - WELD SIZE TO MATCH THINNEST ELEMENT, 4.8 MM

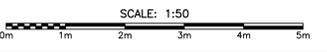
- CONSTRUCTION NOTES:
- WELD STEEL PLATE TO CUSTOM BRACKET. FASTEN TO WALL WITH 2-150mm LONG X 13mm DIA. STEEL PLATE SIZE 150mm WIDE X 100mm HIGH X 6mm THICK. CONCRETE ANCHOR C/W EPOXY ADHESIVE.
 - EXTEND CONCERTINA TO EACH END OF BRACKETS AS SHOWN ON DETAIL.
 - ALL STEEL TO BE GALVANIZED WITH CARBON STEEL ANCHORS
 - PATCH AND REPAIR HOLES IN WALL WITH NON-SHRINK GROUT AFTER CONSTRUCTION, MATCH WALL FINISH

FENCE MATERIALS:

1. CONCRETE MIXES AND MATERIALS: IN ACCORDANCE WITH CSA A23.1.
2. NOMINAL COARSE AGGREGATE SIZE: 20-5.
3. COMPRESSIVE STRENGTH: 20 MPA MINIMUM AT 28 DAYS.
4. ADDITIVES: FLY ASH TO CSA A3000.
5. JERSEY BARRIER: TO BE TO NEW BRUNSWICK DEPARTMENT OF TRANSPORTATION STANDARDS, SIZE AND CONFIGURATION TO BE AS REQUIRED TO SUIT APPLICATION. ACCEPTABLE MANUFACTURERS SHAW, CASEY, STRESCON, OR APPROVED ALTERNATE.
6. CHAIN-LINK FENCE FABRIC: TO CAN/CGSB-138.1.
7. WIRE SIZE: 4.8MM (MIN.)
8. MESH SIZE: 50MM X 50MM.
9. BARBED EDGES - TOP AND BOTTOM.
10. MINIMUM BREAKING STRENGTH 10,000N.
11. ZINC COATED - MIN. 610 G/M².
12. HEIGHT OF FABRIC: AS INDICATED.
13. POSTS, BRACES AND RAILS: TO CAN/CGSB-138.2, GALVANIZED STEEL PIPE. DIMENSIONS AS INDICATED.
14. TOP AND BOTTOM TENSION WIRE: TO CAN/CGSB-138.2, SINGLE STRAND, GALVANIZED.
15. TIE WIRE FASTENERS: STEEL WIRE.
16. TENSION BAR: TO ASTM A 653/A 653M, 5 X 20 MM MINIMUM GALVANIZED STEEL.
17. GATES: TO CAN/CGSB-138.4.
18. GATE FRAMES: TO ASTM A 53/A 53M, GALVANIZED STEEL PIPE, STANDARD WEIGHT, OUTSIDE DIAMETER OF PIPE FOR OUTSIDE FRAME TO BE AS INDICATED ON PLANS.
19. FABRICATE GATES AS INDICATED WITH ELECTRICALLY WELDED JOINTS, AND HOT-DIP GALVANIZED AFTER WELDING.
20. FASTEN FENCE FABRIC TO GATE WITH TWISTED SELVAGE AT TOP.
21. POSTS, BRACES AND RAILS: TO CAN/CGSB-138.2, GALVANIZED STEEL PIPE.
22. POSTS SHALL BE SPACED A MAXIMUM OF 2400MM APART
23. LINE POSTS MINIMAL SIZE SHALL BE 60MM O.D. 8.6KG/M., TUBULAR STEEL PIPE, SCALE FREE, HOT DIPPED GALVANIZED.
24. STRAIN POSTS MINIMUM SIZE SHALL BE 73MM O.D., 15.93KG/M. STAIN POSTS SHALL BE PLACED NOT MORE THAN 60M APART.
25. GALVANIZED STEEL ARMS SHALL BE PROVIDED ON ALL POSTS WHERE BARBED CONCERTINA WIRE IS TO BE INSTALLED AS SHOWN ON DETAILS.
26. TERMINAL POSTS: 100MM, SCHEDULE 40 TUBULAR STEEL PIPE, SCALE FREE, HOT DIPPED GALVANIZED.
27. BOTTOM AND TOP RAIL: 42.2MM O.D. MINIMUM, 3.4KG/M., TUBULAR STEEL PIPE, SCALE FREE, HOT DIPPED GALVANIZED.
28. BRACES AT CORNER, STRAINING AND END POSTS: SCHEDULED 40 TUBULAR STEEL PIPE, SCALE FREE, HOT DIPPED GALVANIZED.
29. TIE WIRE FASTENERS SHALL BE 3.7MM DIAMETER (9 GAUGE) GALVANIZED STEEL WIRE TO SECURE CHAIN LINK FABRIC TO BOTTOM RAIL, TOP RAIL AND LINES POSTS AT 300MM INTERVALS.
30. TENSION BAR: 5 X 20MM X 3600MM MINIMUM GALVANIZED STEEL
31. TENSION BAR BANDS: 3 X 20MM MINIMUM GALVANIZED STEEL
32. WHERE NUTS AND BOLTS ARE REQUIRED FOR FASTENING, NUTS SHALL FACE COMPOUND EXTERIOR AND BE TORQUED TIGHT.
33. WHERE TENSION CABLES ARE USED AT CORNER, END, GATE AND STRAIN POSTS, FITTING SHALL BE OF GALVANIZED STEEL.
34. BARBED TAPE CONCERTINA (B.T.C.) SHALL BE GALVANIZED TAPE, 20 X .5MM CLENCHED AROUND A 2.5MM DIAMETER SPRING STEEL GALVANIZED CORE WIRE TO FORM A CONCERTINA COIL WITH A NOMINAL EXTERIOR COIL DIAMETER OF 710MM.
35. THE COIL WHEN INSTALLED SHALL HAVE A MINIMUM DIAMETER OF 635MM.
36. THE B.T.C. SHALL HAVE 20MM LONG BLADE-TYPE BARBS MEASURED FROM UP TO TIP OF THE BLADE AND BARB CLUSTERS SHALL BE SPACED APPROXIMATELY 45MM ON CENTER.
37. THE CONCERTINA SHALL BE FORMED BY CLIPPING ADJACENT LOOPS OF SINGLE HELICAL COILS TOGETHER AT A MINIMUM OF THREE (3) POINTS ON THE CIRCUMFERENCE. CLIPS SHALL BE GALVANIZED. THE RESULTING COIL, WHEN STRETCHED, SHALL FORM A CYLINDRICAL PATTERN. THE LOOP SPACING SHALL NOT EXCEED 230MM.
38. FOR CONCERTINA COIL SUPPORT AT FENCE-TOP, TWO BARBED WIRES STRETCHED AND FIXED TO POST ARMS SHALL BE PROVIDED. BARBED WIRE SHALL CONSIST OF TWO STRANDS OF 12 GAUGE WIRE WITH 4-POINT BARBS AT 130MM SPACING, ALL GALVANIZED.
39. APPLICATION OF BARBED TAPE CONCERTINA (B.T.C.) SHALL BE AS FOLLOWS:
 1. THE B.T.C. IS TO BE SUPPORTED AND TIED AT 230MM SPACING ONTO EACH OF THE BARBED WIRE. ADDITIONAL COILS THAT ARE REQUIRED ARE TO BE TIED AS SHOWN ON DETAILS.
 2. FABRICATE GATES AS INDICATED WITH ELECTRICALLY WELDED JOINTS, AND HOT DIP GALVANIZED AFTER WELDING.
 3. FASTEN FENCE FABRIC TO GATE WITH TWISTED SELVAGE AT TOP.
 4. FURNISH GATES WITH GALVANIZED MALLEABLE IRON HINGES, LATCH AND LATCH CATCH WITH PROVISION FOR PADLOCK.
 5. FITTINGS AND HARDWARE: CAST ALUMINUM ALLOY, GALVANIZED STEEL, OR MALLEABLE OR DUCTILE CAST IRON. POST CAPS TO PROVIDE WATERPROOF FIT, TO FASTEN SECURELY OVER POSTS AND TO CARRY TOP RAIL. TURNBUCKLES TO BE DROP FORGED.
 6. ORGANIC ZINC RICH COATING: TO CAN/CGSB-1.18.



FENCE @ BUILDING



CONSTRUCTION NOTES

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|-----------|-------------------|----------|
| 1 | ISSUED FOR TENDER | FEB 2015 |
| revisions | | date |

project
**GENERATOR REPLACEMENT
 DORCHESTER PENITENTIARY
 MEDIUM**
 DORCHESTER, NB

drawing
**FENCE ELEVATIONS &
 DETAILS**
 design

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|-----------------------|---------------------------------|---------------|
| designed | PWGSC | conçu |
| date | OCT. 2015 | |
| drawn | M.DEGRACE | dessiné |
| date | OCT 2015 | |
| approved | | approuvé |
| date | | |
| Tender | | Soumission |
| PWGSC | | |
| PWGSC Project Manager | Administrateur de projets TP/GC | |
| project number | | no. du projet |
| | R.061866.001 | |
| drawing no. | | no. du dessin |
| | SK-1 | |