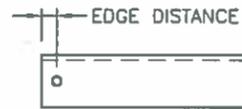


GENERAL NOTES:

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL DESIGN AND ERECTION SHALL CONFORM TO CSA STANDARDS S37-13 AND S16-14.
2. ALL WELDING SHALL CONFORM TO CSA STANDARDS W47.1 AND W59M.
3. STRUCTURAL STEEL SHALL BE CERTIFIED TO CSA STANDARD G40.21 GRADE 300W, EXCEPT FOR HSS SHAPES WHICH SHALL BE ASTM A500 CLASS C, AND EXCEPT WHERE OTHERWISE SPECIFIED BY THE ENGINEER.
4. ALL STRUCTURAL STEEL, BOLTS AND ACCESSORY PARTS SHALL BE HOT DIP GALVANIZED ACCORDING TO CSA G164. SCRATCHED AND DAMAGED SURFACES SHALL BE PROPERLY CLEANED AND WIRE BRUSHED, AND FIELD PAINTED WITH TWO COATS OF COLD GALVANIZING COMPOUND.
5. ALL STRUCTURAL BOLTS SHALL CONFORM TO ASTM STANDARD A325, UNLESS SPECIFIED OTHERWISE BY THE ENGINEER. BOLTS SHALL BE INSTALLED WITHOUT THREADS IN THE SHEAR PLANE. BOLTS SHALL BE TENSIONED USING THE 'TURN OF THE NUT' METHOD.
6. UNLESS SPECIFIED OTHERWISE BY THE ENGINEER ALL U-BOLTS AND THREADED RODS SHALL BE ASTM A108 GRADE C1018 AND ARE TO HAVE ROLLED THREADS, LOCKWASHERS AND FLATWASHERS WITH THE NUT OR FLATWASHERS WITH DOUBLE NUTS.
7. RESPECT MINIMUM EDGE DISTANCE OF 25mm FOR 1/2" HARDWARE.
 30mm FOR 5/8" HARDWARE.
 35mm FOR 3/4" HARDWARE.
 45mm FOR 1" HARDWARE.



ROCK BOLTS:

1. ROCK BOLTS SHALL BE ASTM A108 C1045 B7S SERIES OR EQUIVALENT, UNLESS SPECIFIED OTHERWISE BY THE ENGINEER.
2. ROCK BOLTS SHALL BE PRETENSIONED TO THE TENSION SHOWN ON THE FOUNDATION DRAWINGS AND INSTALLED AS PER THE MANUFACTURER'S RECOMMENDATIONS.
3. DRILL HOLES SHALL BE FILLED WITH NON-SHRINK GROUT FOR CORROSION PROTECTION.

CONCRETE AND GROUT:

1. ALL CONCRETE SHALL BE SUPPLIED, INSTALLED, TESTED AND DESIGNED ACCORDING TO CSA STANDARDS A23.1, A23.2 AND A23.3.
2. ALL CONCRETE INSTALLED ABOVE THE DESIGN FROST DEPTH SHALL BE AIR ENTRAINED ACCORDING TO CSA STANDARD A23.1.
3. REINFORCING STEEL SHALL CONFORM TO CSA STANDARD G30.12, GRADE 400, OR TO G30.16 WHERE WELDABLE REINFORCING STEEL IS REQUIRED.
4. SPECIFIED CONCRETE STRENGTH SHALL BE 30 MPa, UNLESS SPECIFIED OTHERWISE ON THE FOUNDATION DRAWINGS.
5. BACKFILL SHOULD BE COMPACTED IN 300mm MAXIMUM LAYERS, TO A MINIMUM 95% STANDARD PROCTOR DENSITY. USE IMPORTED FILL WHERE INDICATED IN THE SOILS REPORT, OR WHEN NATIVE MATERIAL IS TOO WET TO COMPACT.
6. GROUT SHALL BE HIGH STRENGTH, NON-SHRINK TYPE, AND LOW TEMPERATURE GROUT SHALL BE USED WHEN SITE CONDITIONS WARRANT IT.
7. MINIMUM CONCRETE COVER TO REINFORCING STEEL SHALL BE 75mm, U.N.O.
8. MINIMUM CONCRETE STRENGTH SHALL BE 30 MPa AT 28 DAYS.
9. PROVIDE DEFORMED REINFORCING STEEL CONFORMING TO CSA STANDARD G30.18-92, GRADE 400.
10. GROUTING FOR BASE PLATES AND BEARING PLATES SHALL BE MINIMUM 30 MPa CEMENTITIOUS NON-SHRINK TYPE.
11. SLUMP SHALL BE 75mm ± 25mm, UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.
12. CHAMFER EXPOSED EDGES OF CONCRETE 20mm.
13. PROVIDE EFFECTIVE MEANS OF MAINTAINING THE TEMPERATURE OF CONCRETE IN PLACE AT A MINIMUM OF 10° C, AND A MAXIMUM OF 30° C FOR THREE DAYS AFTER PLACING. WHEN THE MEAN DAILY AIR TEMPERATURE IS LESS THAN 5° C, PROVIDE PROTECTION FOR NEWLY PLACED CONCRETE BY MEANS OF SUITABLE ENCLOSURES OR RAISED COVERINGS, HEAT AND INSULATION.

GROUNDING:

1. GROUNDING TO BE INSTALLED ACCORDING TO THE LATEST VERSION OF CANADIAN COAST GUARD.
2. CONNECTION OF GROUND CONDUCTORS TO STEEL, SUCH AS TOWER LEGS, TOWER MEMBERS, ETC., SHALL BE MADE USING TWO-HOLE COPPER COMPRESSION TYPE LUGS.
3. NO-OX-ID COMPOUND TO BE USED BETWEEN ALL CONNECTIONS WHERE DISSIMILAR METALS COME INTO CONTACT.

FENCING:

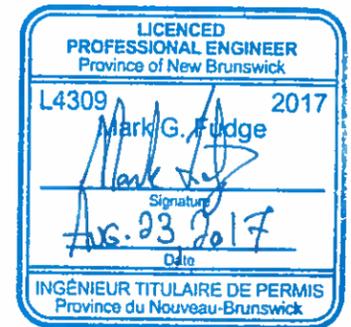
1. FENCING IS TO BE INSTALLED ACCORDING TO THE LATEST VERSION OF CANADIAN COAST GUARD.

GENERAL:

1. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITIONS OF THE ONTARIO BUILDING CODE, THE OCCUPATIONAL HEALTH AND SAFETY ACT, AND REGULATIONS FOR CONSTRUCTION PROJECTS, INCLUDING ALL CURRENT REVISIONS AND AMENDMENTS AND WITH GOOD CONSTRUCTION PRACTICES.

NOTES

1. SEE DRAWING A10-1 FOR GENERAL NOTES.



ENG. RECORD No: 60-01273 APPD: MGF



5			
4			
3			
2			
1	UPDATED NOTES	CPG	08-18-17
REV	DESCRIPTION	DWN CHK	DATE



GENERAL NOTES	
CANADIAN COAST GUARD	
34.7m KDG TOWER	
POINT ESCUMINAC, NB.	
SITE CODE:	DATE: 06-30-2017
WTC CODE:	DWN: DBM CHK:
JOB No: 60-01273	DWG No: 601273A10-1