



- STRUCTURAL STEEL**
- STRUCTURAL STEEL SHALL COMPLY WITH CAN/CSA-S16-09 LATEST EDITION.
- STEEL GRADES:
 - HSS TO BE G40.21-M350W (CLASS C)
 - WIDE FLANGES TO BE G40.21-M350W
 - OTHER MATERIAL TO BE G40.21-M430W
 - ANCHOR BOLTS TO BE G40.21-50W
 - FIELD BOLTS - 3/4" Ø A325 (BEARING TYPE)
 - WASHERS FOR FIELD BOLTS TO BE PLACED UNDER TURNED ELEMENT
 - WELD IN ACCORDANCE WITH W59.03 E49xx ELECTRODES.
 - SHOP AND TOUCH-UP PAINT:
 - SURFACE PREPARATION: TO SSPC SP3
 - PRIMER: ONE COAT TO CGSB 1-GP-40M (UN)

- GENERAL NOTES**
- A. CONCRETE**
- PLACE AND PROTECT ALL CONCRETE IN ACCORDANCE WITH CSA-A23.3 - 04 EMPLOY COLD WEATHER OR HOT WEATHER REQUIREMENTS WHEN NECESSARY.
 - CONCRETE SHALL A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 30 MPa
 - CALCIUM CHLORIDE SHALL NOT BE USED AS AN ADMIXTURE IN ANY CONCRETE.
- B. REINFORCEMENT**
- REINFORCING SHALL BE DEFORMED BARS IN ACCORDANCE WITH CSA G30.12M, LATEST EDITION, GRADE 300 FOR 10M BARS AND GRADE 400 FOR 15M AND LARGER.
 - REINFORCING STEEL SHALL CONFORM TO CSA A23.3, FABRICATE REINFORCING TO CAN/A23.1-M.
 - THE MINIMUM CLEAR COVER FOR REINFORCEMENT SHALL BE 38mm.

SCOPE OF WORK:

- AREA 1**
EXISTING BEAM HAS HOLE IN FLANGE. ADD REINFORCING PLATE TO BEAM.
- AREA 2**
EXISTING CONCRETE SLAB DOES NOT MEET THE LIVE LOAD CAPACITY OF 12 kPa. ADD BEAMS TO UNDERSIDE OF SLAB.
- AREA 3**
EXISTING INFILLED SLAB IS CRACKED. CUT OUT DEFICIENT AREA AND ADD STEEL ANGLES, DECK, REBAR AND CONCRETE.

FLOOR LIVE LOAD = 12.0 kPa

0	ISSUED FOR TENDER	APR 24/14
REV	DESCRIPTION	DATE
Lalonde & Doyle Architects Inc.		
PHONE: (613) 233-2000		
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DESCRIPTION	FLOOR REPAIR FRAMING	
PROJECT NAME	SPACE AGENCY-TQF BAY FLOOR REPAIRS	
DRAWN BY	CSTJ	LEEKOR JOB No.
DATE DRAWN	03/27/2014	492-3
		DWG No. S1

LEEKOR Engineering Inc.
Structural Design