

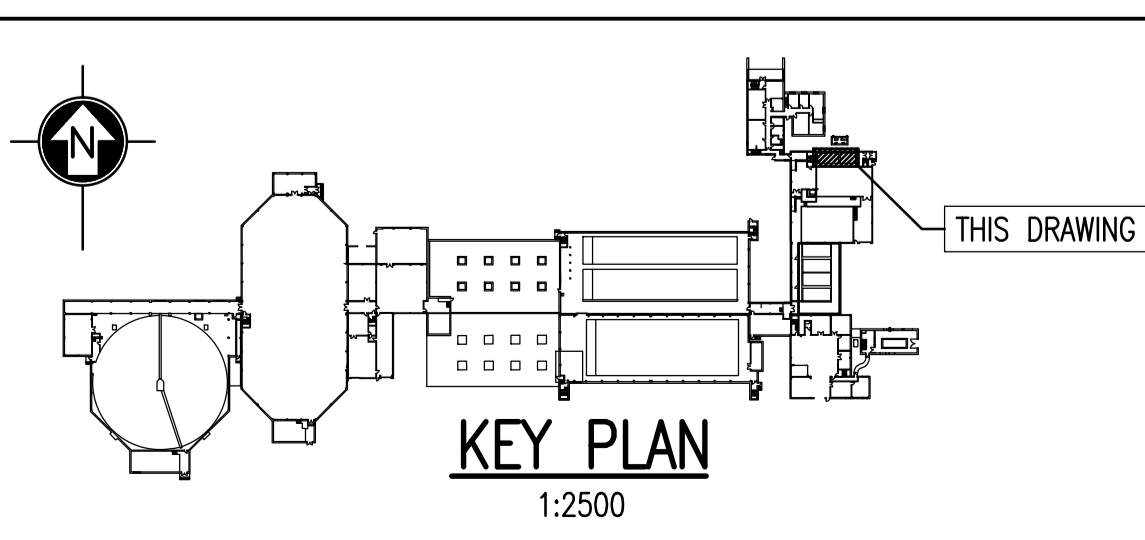
- NOTES:**
- SEE DRAWING 1-0102G-S0020 SHEET 001 FOR GENERAL NOTES.
- STRUCTURAL STEEL:**
- STRUCTURAL STEEL SHALL BE PAINTED UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
 - ALL STRUCTURAL STEEL SHAPES AND PLATES TO BE IN ACCORDANCE WITH CAN3-G40.21-M MINIMUM GRADE 300W. W SECTIONS AND HSS SECTIONS TO BE GRADE 350W.
 - ALL STRUCTURAL 304 S.S. SHAPES, PLATES AND PIPES TO CONFORM TO ASTM A276, A167 & A269.
 - DETAILING, FABRICATION AND ERECTION TO BE IN ACCORDANCE WITH CAN/CSA-S16-01. LIMIT STATES DESIGN OF STRUCTURAL STEEL.
 - ALL WELDING TO CONFORM TO CSA W47.1 & W59.
 - WELDING SHOPS TO BE CERTIFIED TO DIVISION 1 OR 2 OF CSA W47.1 BY THE CANADIAN WELDING BUREAU. ALL WELDING TO BE PERFORMED BY CWB CERTIFIED WELDERS.
 - PREPARATION OF SURFACES AND THE APPLICATION OF PAINT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. REFER TO PAINT SPECIFICATIONS FOR PAINT FINISHES AND FORMULAE.
 - ALL BOLTS FOR STRUCTURAL STEEL SHALL BE 19 (3/4) HIGH STRENGTH BOLTS MEETING THE REQUIREMENTS OF ASTM A325, TYPE 1. ALL NUTS SHALL CONFORM TO ASTM SPEC A563, GRADE DH, OR ASTM A194, GRADE 2H, AND WASHERS SHALL CONFORM TO ASTM SPEC F436. BOLTS, NUTS AND WASHERS SHALL NOT BE WELDED.
 - ALL BOLTED CONNECTIONS SHALL USE A MIN. OF TWO HIGH STRENGTH BOLTS UNLESS NOTED OTHERWISE.
 - SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION AND ERECTION. SHOP DRAWINGS TO BE SEALED BY A PROFESSIONAL ENGINEER INDICATING RESPONSIBILITY FOR CONNECTIONS AND DETAILING, WHERE APPLICABLE.

S.E.P.-28	PUMP & SCREEN BLDG. - STRUCTURAL ROOF & PENTHOUSE DETAILS
DRAWING NUMBER	REFERENCE DRAWINGS

1 0 1 2 3m
1 : 50

APEGM
Certificate of Authorization

SNC-Lavalin Inc.
No. 4489



00	ISSUED FOR TENDER, BID OPP. 545-2012	2012/11/26	B.D.	D.S.
NO.	REVISIONS	DATE	DESIGN	CHECK

SNC-LAVALIN

SNC-LAVALIN INC.
148 Nature Park Way
Winnipeg, MB, Canada R3P 0X7
204-786-8080

DESIGNED BY: B. DICKSON
DRAWN BY: B. DICKSON
SCALE: AS NOTED
DATE: 2012/11/08

CHECKED BY: D. SIDHU
APPROVED BY: C. REIMER
RELEASED FOR CONSTRUCTION BY: NEIL HARRINGTON
DATE: 2012/10/10

CONSULTANT NO.: 112577-0116-42DD-0009

ENGINEER'S SEAL

ORIGINAL DRAWING SEALED BY:
D. S. SIDHU
SNC-LAVALIN
MEMBER #24837
2012/11/26
REV. 00

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
VENTILATION AND MISCELLANEOUS UPGRADES
PLAN & DETAILS
GRIT VENTILATION PENTHOUSE
G686-EF ROOF STACK SUPPORTS

CITY DRAWING NUMBER: 1-0102G-S0020
SHEET: 002
REV: 00
SIZE: A1