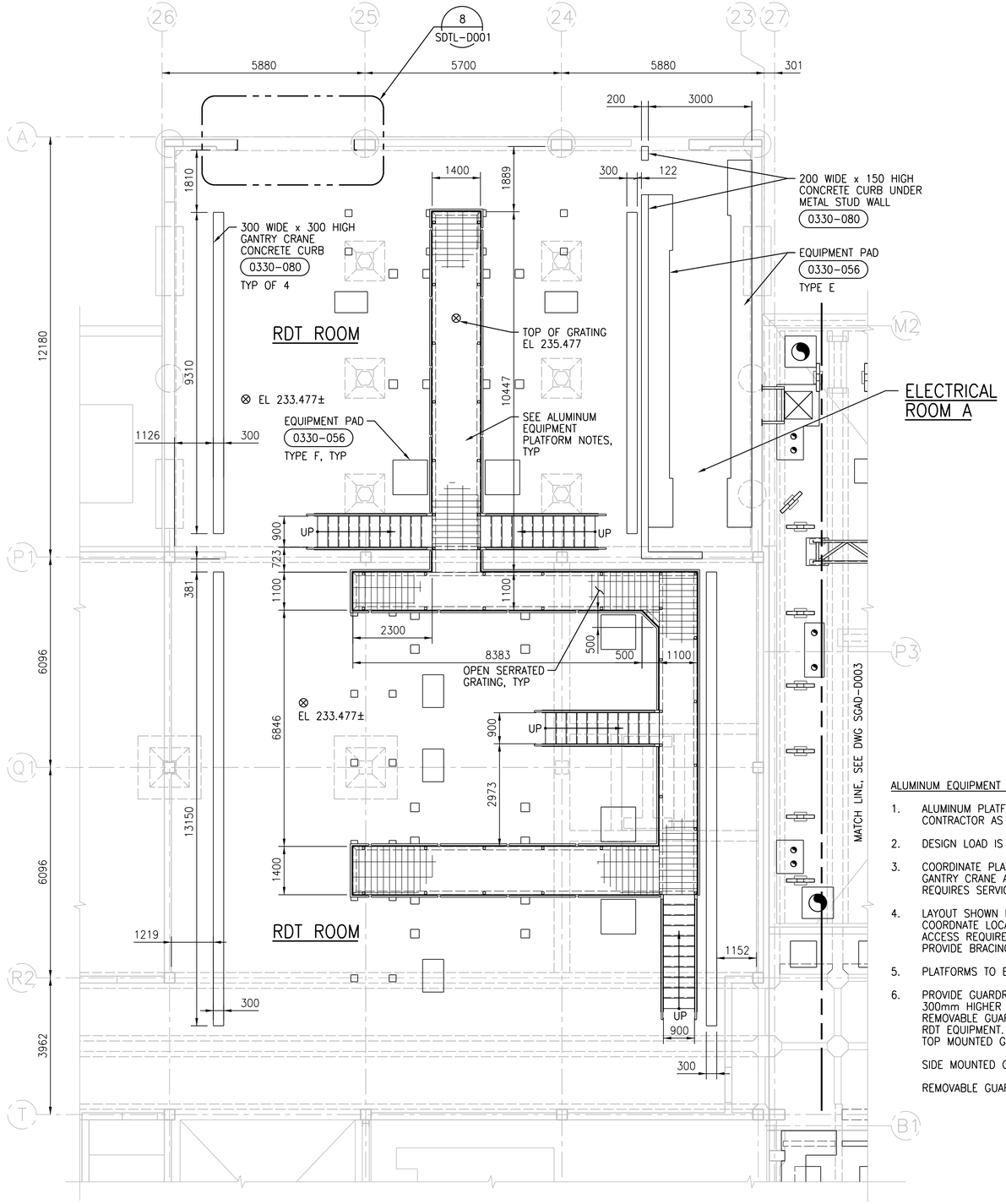
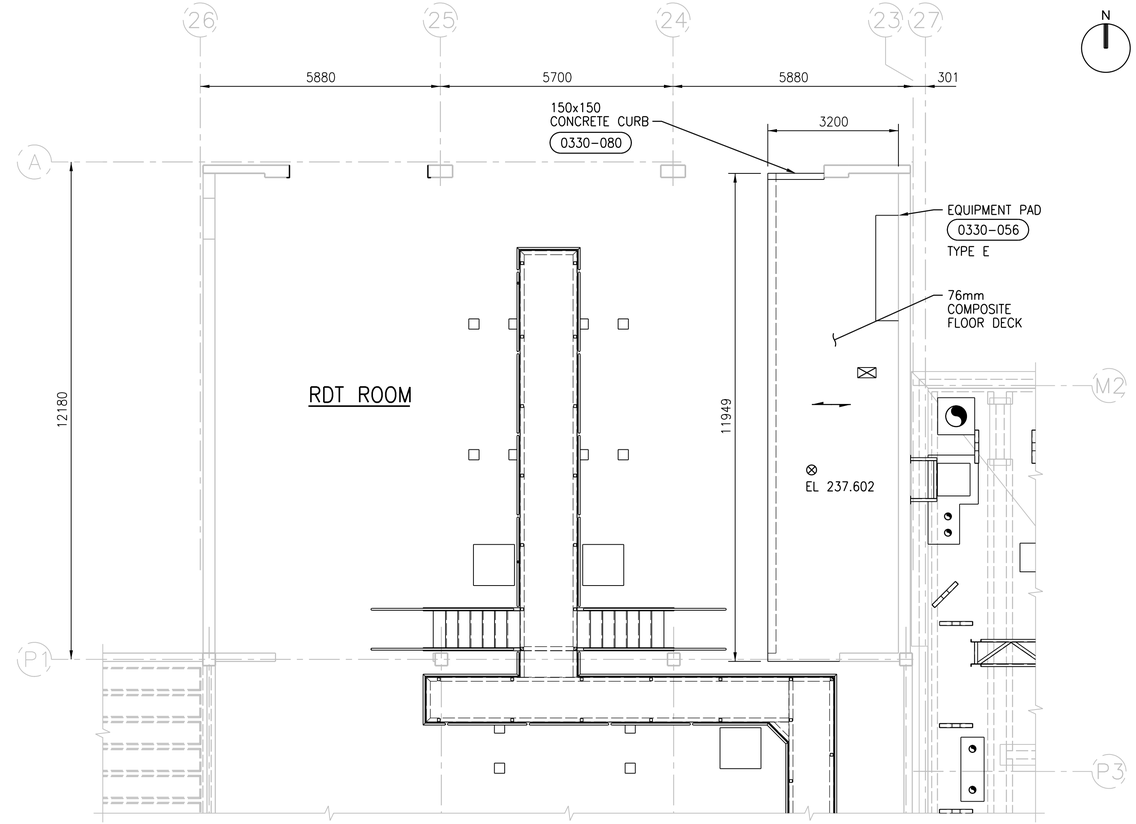


GROUND FLOOR PLAN

1:75



MEZZANINE PLAN

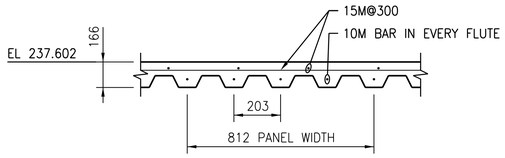
1:75

NOTES:

1. DESIGN LIVE LOAD ON MEZZANINE IS 4.8 kPa.
2. SELFWEIGHT OF COMPOSITE DECKING IS 3 kPa.

STEEL DECK PROPERTIES								
TYPE	DEPTH	PANEL WIDTH	THICKNESS	MINIMUM YIELD STRENGTH Fy	MINIMUM S	MINIMUM I	MINIMUM DIAPHRAGM SHEAR CAPACITY	FINISH
COMPOSITE FLOOR DECK	76mm	813	1.22	230 MPa	35.34 $mm^3 \times 10^3$	1724.2 $mm^4 \times 10^3$	10 kN/m	GALV ZF75

STEEL DECK ATTACHMENT SCHEDULE							
		AT PERPENDICULAR SUPPORTS		AT PARALLEL SUPPORTS		AT SIDELAPS	
TYPE	DEPTH	TYPE	NO. PER SHEET	TYPE	SPACING	TYPE	SPACING
COMPOSITE FLOOR DECK	76mm	POWDER ACTUATED FASTENER	5	POWDER ACTUATED FASTENER	300mm	SELF-DRILLING SCREWS	300mm

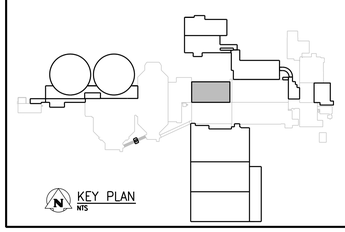


FLOOR DECK PROFILE

NTS

ALUMINUM EQUIPMENT PLATFORM NOTES:

1. ALUMINUM PLATFORM TO BE DESIGNED BY GENERAL CONTRACTOR AS PER SPECIFICATION 05 50 02.
2. DESIGN LOAD IS 4.8 kPa.
3. COORDINATE PLATFORM LAYOUT WITH RDT EQUIPMENT, GANTRY CRANE AND OTHER NEARBY EQUIPMENT THAT REQUIRES SERVICING OR ACCESS.
4. LAYOUT SHOWN IS SUGGESTION ONLY. COORDNATE LOCATIONS TO SUIT EQUIPMENT AND ACCESS REQUIREMENTS AND TO MEET BUILDING CODE. PROVIDE BRACING AS REQUIRED FOR LATERAL STABILITY.
5. PLATFORMS TO EXTEND WITHIN 25-50mm OF RDT EQUIPMENT.
6. PROVIDE GUARDRAILS ON PLATFORM WHERE PLATFORM IS 300mm HIGHER OR GREATER THAN ADJACENT LEVELS. REMOVABLE GUARDRAILS ARE REQUIRED ADJACENT TO RDT EQUIPMENT.
   TOP MOUNTED GUARDRAIL AS PER 0552-804
   SIDE MOUNTED GUARDRAILS AS PER 0552-818
   REMOVABLE GUARDRAILS SIM TO 0552-811



KEY PLAN
NTS

NOTES:

1. DESIGN LIVE LOAD IN RDT ROOM IS 4.8 kPa + EQUIPMENT LOADS.
2. DESIGN LIVE LOAD IN ELECTRICAL ROOM A = 15 kPa.
3. REPAIR AND PATCH HOLES IN FLOOR ACCORDING TO SPECIFICATION 03 01 33.

APEGM
Certificate of Authorization
CH2M HILL Canada Ltd.
No. 1441

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CONSTRUCTION - 976-2016	2017/04/05	G.O.	J.C.

CH2MHILL. KGS GROUP SNC·LAVALIN

DESIGNED BY: J. THANNICKAL
CHECKED BY: E. LUI
DRAWN BY: C. RYNARD
APPROVED BY: H.T. FREIHAMMER
SCALE: 1:75
ISSUED FOR CONSTRUCTION BY: J. SHUMKA DATE: 2017/04/05
DATE: 2017/04/05
CONSULTANT NO.: 474248

ENGINEER'S SEAL
APR 5, 2017
PROVINCE OF MANITOBA
LUI
Member
37003
REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
STRUCTURAL
RDT ROOM
GROUND FLOOR AND MEZZANINE PLANS

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-SGAD-D007	001	00	A1

PLOT DATE: 2017\04\02
FILE NAME: 1-0102-SGAD-D007.dgn

A1 SIZE - 594mm x 841mm

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