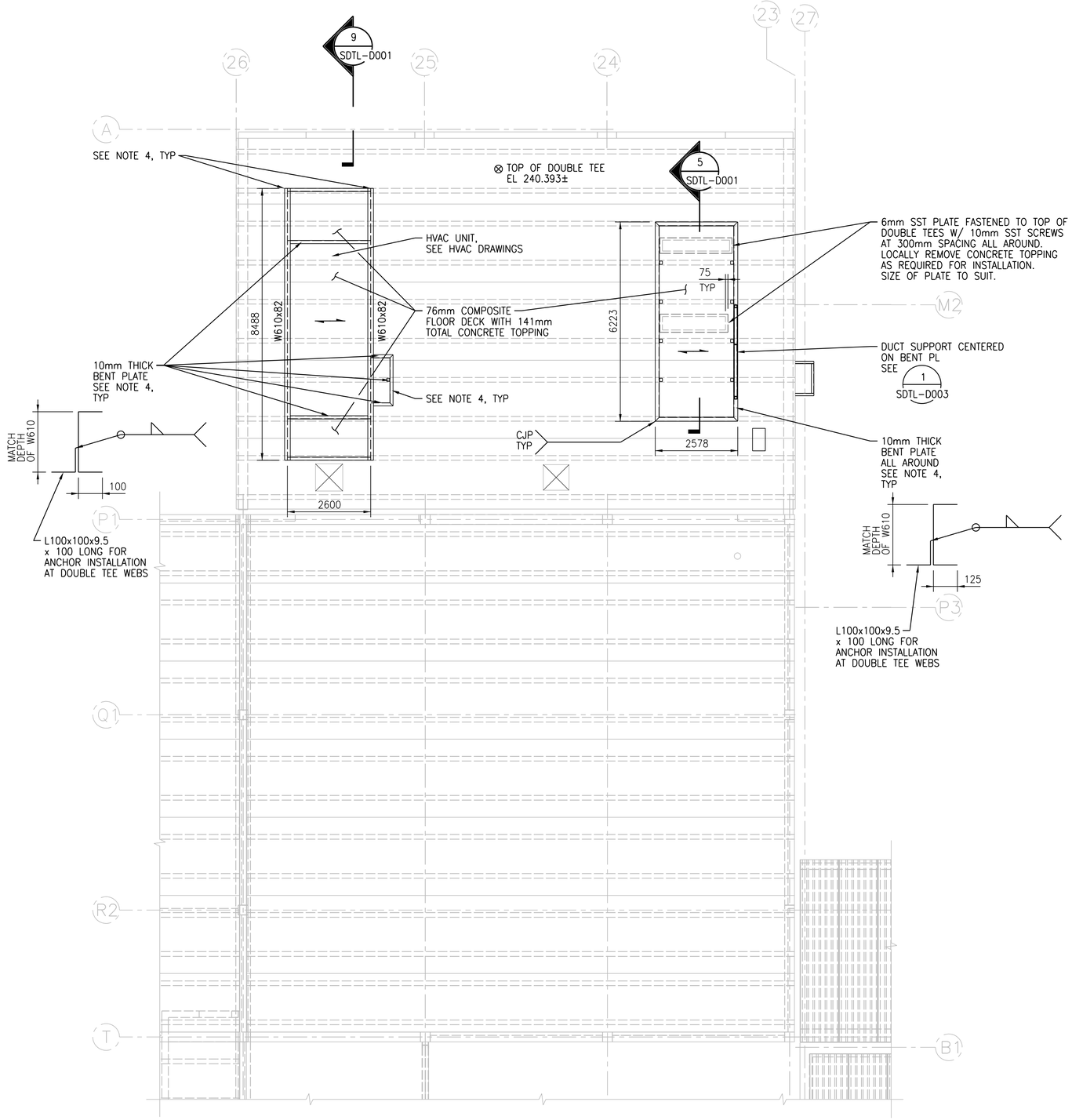
A1 SIZE – 594mm x 841mm



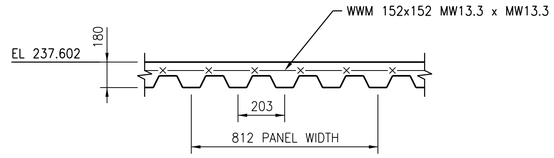
ROOF PLAN

1:75

0 500 1000 2000 3000 4000

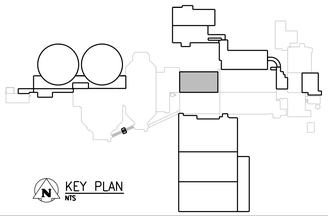
STEEL DECK PROPERTIES								
TYPE	DEPTH	PANEL WIDTH	THICKNESS	MINIMUM YIELD STRENGTH Fy	MINIMUM S	MINIMUM I	MINIMUM DIAPHRAGM SHEAR CAPACITY	FINISH
COMPOSITE FLOOR DECK	76mm	813	1.22	230 MPa	35.34 $mm^3 \times 10^3$	1724.2 $mm^4 \times 10^3$	10 kN/m	GALV ZF75

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



KEY PLAN
NTS

NOTES:

1. DESIGN ROOF LIVE LOAD IS 1kPa.
2. DESIGN SNOW LOAD IS 2.15 kPa EXCEPT WHERE NOTED ON DRAWINGS.
3. ALL STEEL TO BE HOT-DIPPED GALVANIZED.
4. ANCHOR BEAM AND BENT PLATE TO ROOF WITH 2-20mm DIA SST ADHESIVE ANCHORS W/ MINIMUM 100mm EMBEDMENT AT DOUBLE TEE WEB LOCATIONS. LOCALLY REMOVE AND REPAIR CONCRETE TOPPING AS REQUIRED FOR INSTALLATION.
5. LOCATION OF BEAMS AND BENT PLATES TO SUIT EQUIPMENT LOCATION.

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
SNC·LAVALIN
KGS GROUP

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
E.J. 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
ROOF PLAN

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-SGAD-D008	001	00	A1

PLOT DATE: 2017\04\02
FILE NAME: 1-0102-SGAD-D008.dgn

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