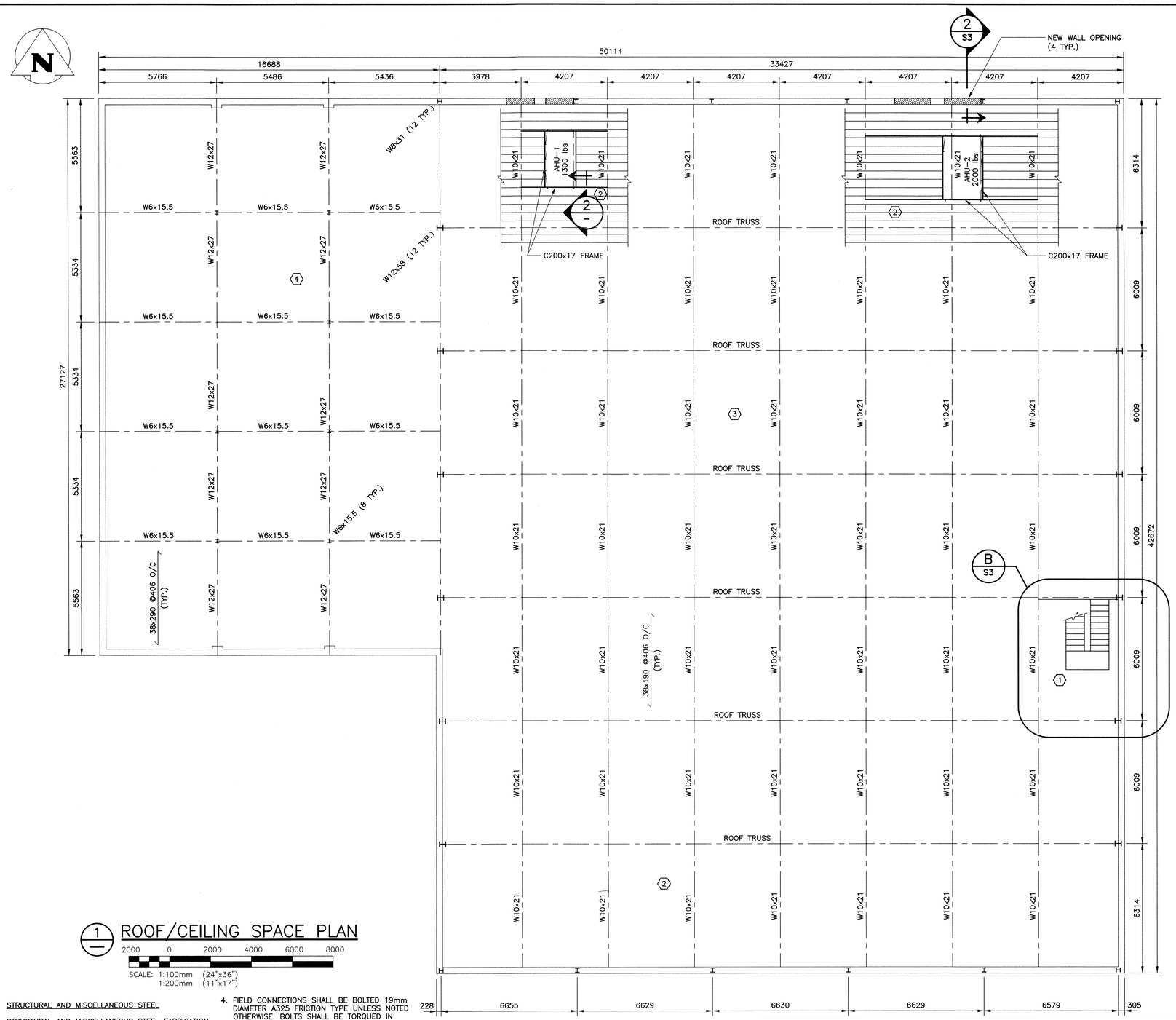


1 ROOF/CEILING SPACE PLAN

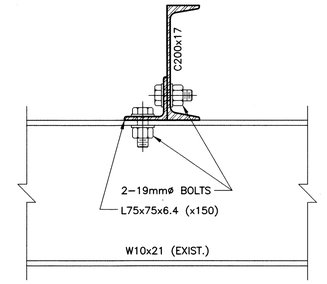
2000 0 2000 4000 6000 8000

SCALE: 1:100mm (24"x36")
1:200mm (11"x17")

SCOPE OF WORK NOTES:

1. PROVIDE NEW STAIR FROM CEILING SPACE – REF. DWG P1–S3.
2. PROVIDE CHANNEL FRAMES TO SUPPORT NEW AIR HANDLING UNITS, DIMENSIONS TO SUIT FINALIZED UNIT DIMENSIONS.
3. PROVIDE NEW CATWALK AND HANDRAIL AS REQUIRED TO ACCESS NEW AHU's AND NEW STAIR. IN LOCATIONS WHERE EXISTING DUCT IS REMOVED; REMOVE CATWALK WHICH IS OVER DUCT AND REPLACE WITH LEVEL WALKWAY.
4. PROVIDE 3–38x290 WD BLOCKING CURBS FOR ROOF TOP UNITS ABOVE AHU 1 AND 2. PROVIDE CURBING AND FLASHING FOR PIPE ROOF PENETRATIONS.

CONTINUED ON DRAWING "S–2"



2 DETAIL SECTION

100 0 100 200 300 400

SCALE: 1:5mm (24"x36")
1:10mm (11"x17")

STRUCTURAL AND MISCELLANEOUS STEEL

1. STRUCTURAL AND MISCELLANEOUS STEEL FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH CAN/CSA–S16.1–M89.
2. STRUCTURAL STEEL SHALL MEET THE REQUIREMENTS OF CAN/CSA–G40.20/G40.21–M92.

ROLLED SHAPES & PLATES	CSA G40.21–300W
ANCHOR BOLTS (GALV.)	ASTM A307M
BOLTS, NUTS & WASHERS	ASTM A325M
WELDING ELECTRODES	CSA W48.1 M1980

3. WELDING SHALL BE IN ACCORDANCE WITH CSA W59–M1989, BY WELDERS CERTIFIED AND QUALIFIED IN ACCORDANCE WITH CSA W47.1–1983. ALL WELDS TO BE 6mm UNLESS NOTED OTHERWISE.
4. FIELD CONNECTIONS SHALL BE BOLTED 19mm DIAMETER A325 FRICTION TYPE UNLESS NOTED OTHERWISE. BOLTS SHALL BE TORQUED IN ACCORDANCE WITH CAN/CSA S16.1–M89.
5. STRUCTURAL AND MISCELLANEOUS STEEL NOT EMBEDDED IN CONCRETE SHALL BE SURFACE PREPPED AND SHOP PRIMED WITH RED OXIDE PRIMER UNLESS OTHERWISE SPECIFIED.

UNIT MASONRY

1. MASONRY UNITS SHALL BE MANUFACTURED IN ACCORDANCE WITH CAN3–A165.1–M85. CONSTRUCT MASONRY IN ACCORDANCE WITH CAN3–A371–M84.
2. ALL CONCRETE MASONRY TO BE AS NOTED AND DETAILED WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 15 MPa.
3. MORTAR SHALL BE TYPE 'S' AND MANUFACTURED TO CSA A179–M76.
4. CONCRETE IN–FILL SHALL BE 25 MPa CONCRETE; MAX. AGGREGATE 3/8"; MAX. SLUMP 4" (HORIZONTAL IN–FILL) 8" (VERTICAL IN–FILL).
5. PROVIDE 9 GA. LADDER TYPE 'DUR–O–WAL' (OR EQUAL) HORIZONTAL JOINT REINFORCMENT AT EVERY 2ND COURSE.
6. FASTEN VENEER TO BACKUP WALL WITH FERO TIES SPECIFIED FOR STONEWORK.

APEGM
Certificate of Authorization
KGS Group
No. 245 Date: 10/01/28

B.M. .
ELEV. .

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	10/01/28	

KGS GROUP
CONSULTING ENGINEERS & PROJECT MANAGERS
WINNIPEG (204) 896–1209
THUNDER BAY (807) 345–2233

DESIGNED BY	RJL	CHECKED BY	
DRAWN BY	MB	APPROVED BY	
HOR. SCALE:	AS SHOWN	RELEASED FOR CONSTRUCTION:	
VERTICAL:	.	DATE	
DATE	.		

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.J. LONG
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
P1–S1

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

PROJECT TITLE
FORT ROUGE LEISURE CENTRE
HVAC UPGRADES – PHASE 1

ROOF/CEILING SPACE PLAN AND DETAILS

SHEET 001 OF 003
COMPUTER FILE NAME 08–0107–09–P1–S1
CITY DRAWING NUMBER