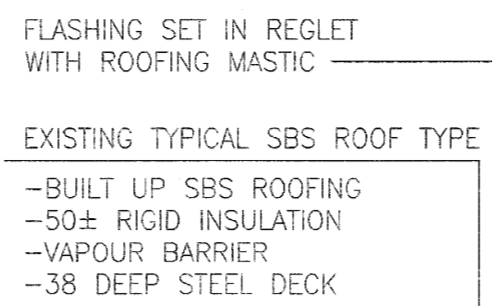
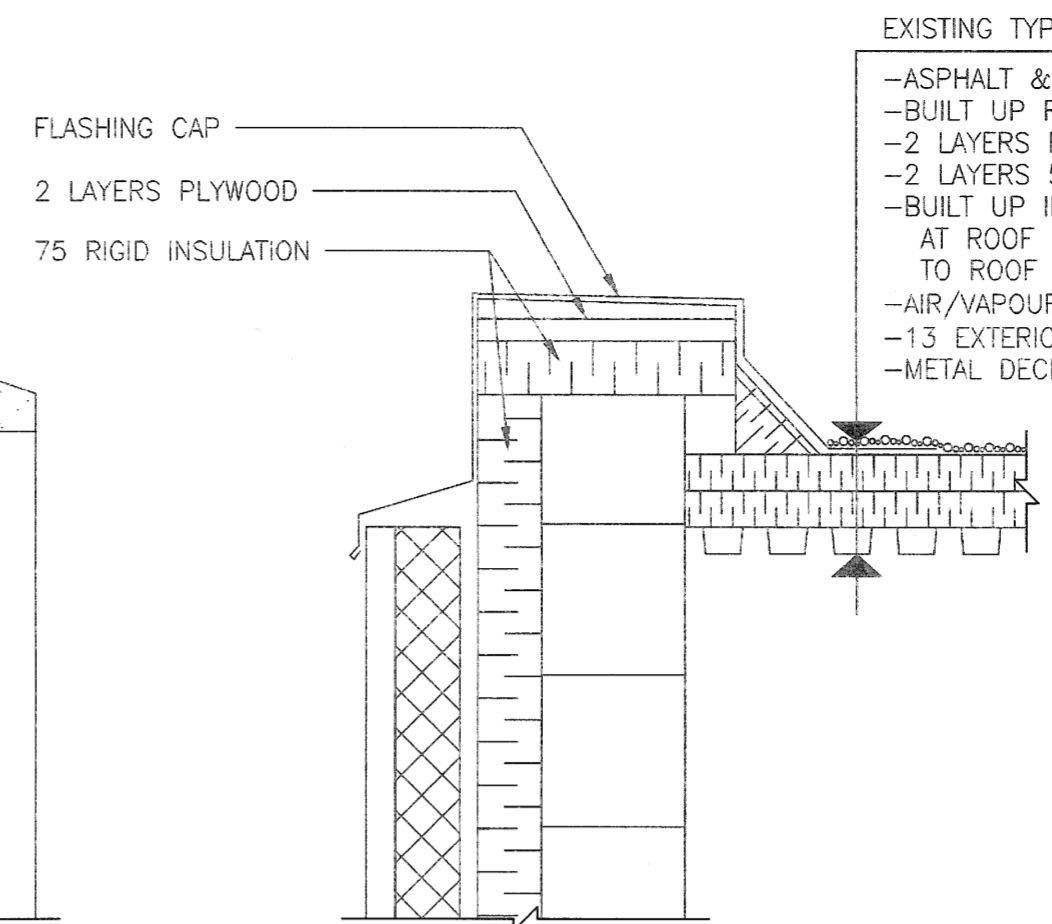


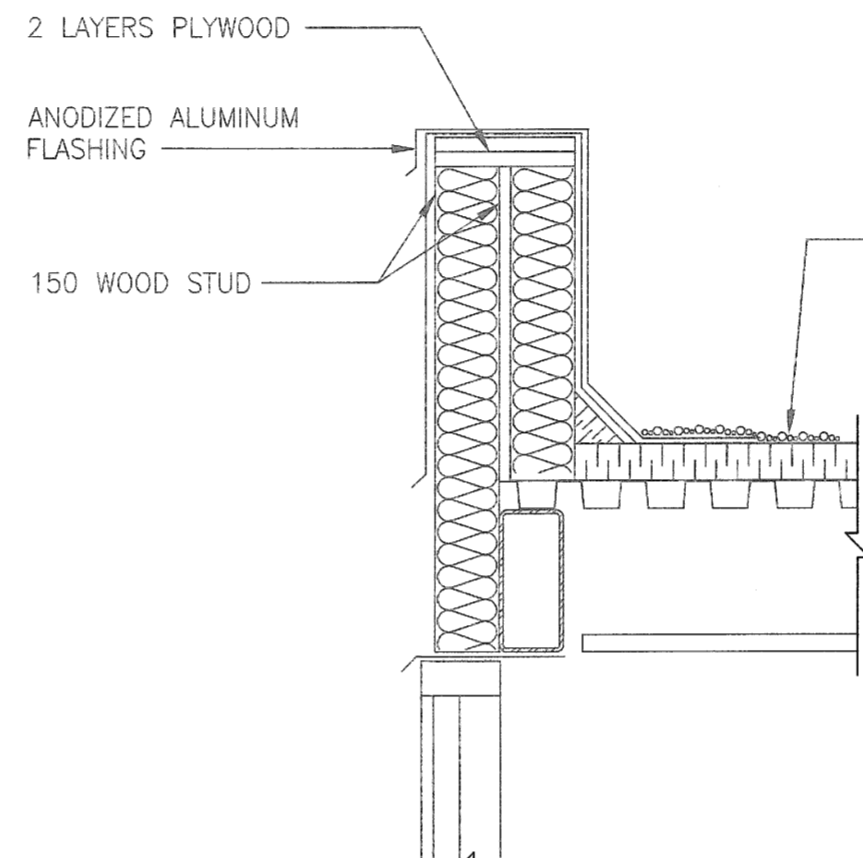
ROOF PLAN
SCALE: 1:100



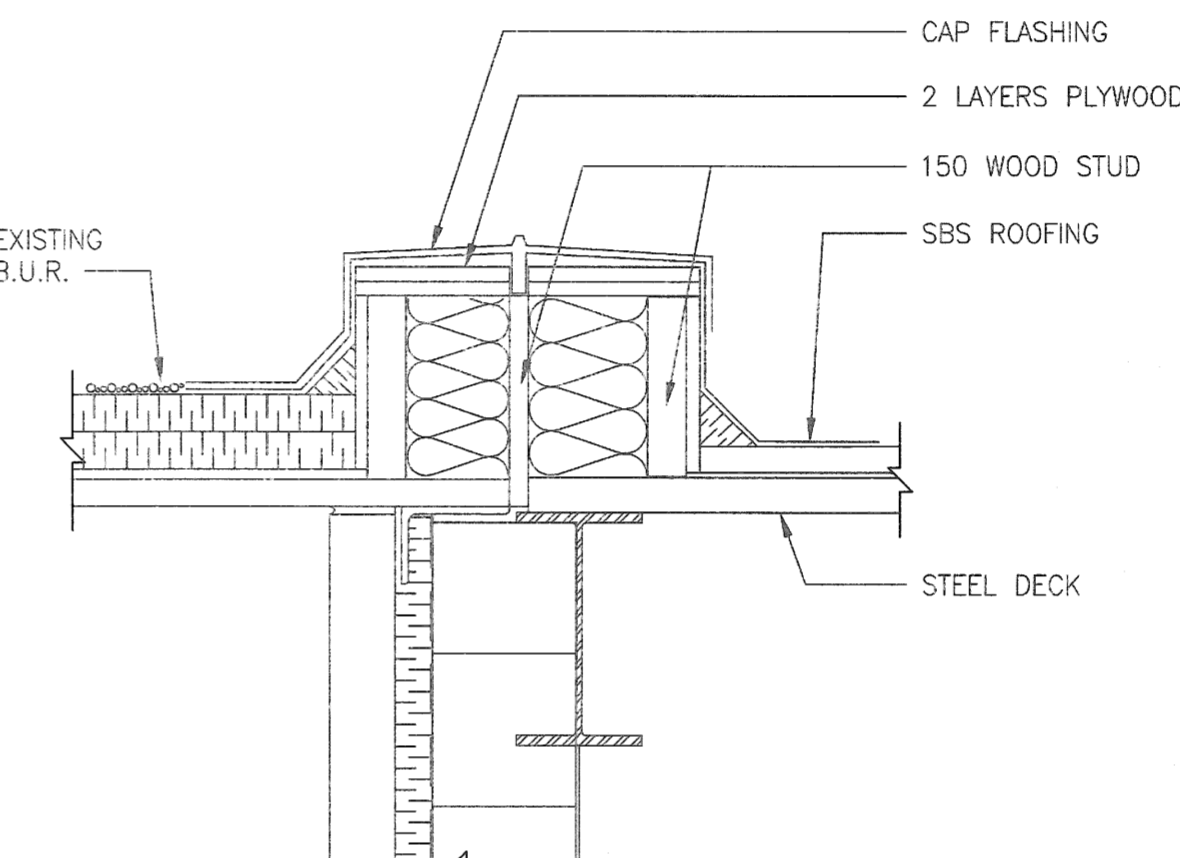
A SECTION
SCALE: 1:10



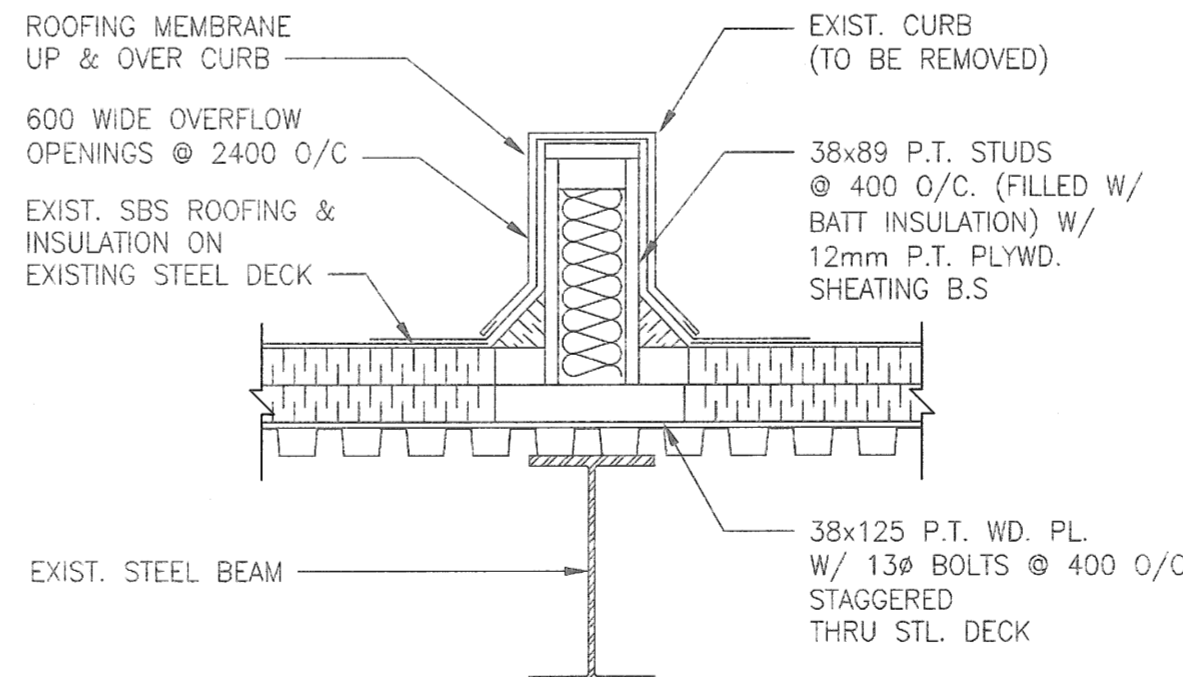
B SECTION
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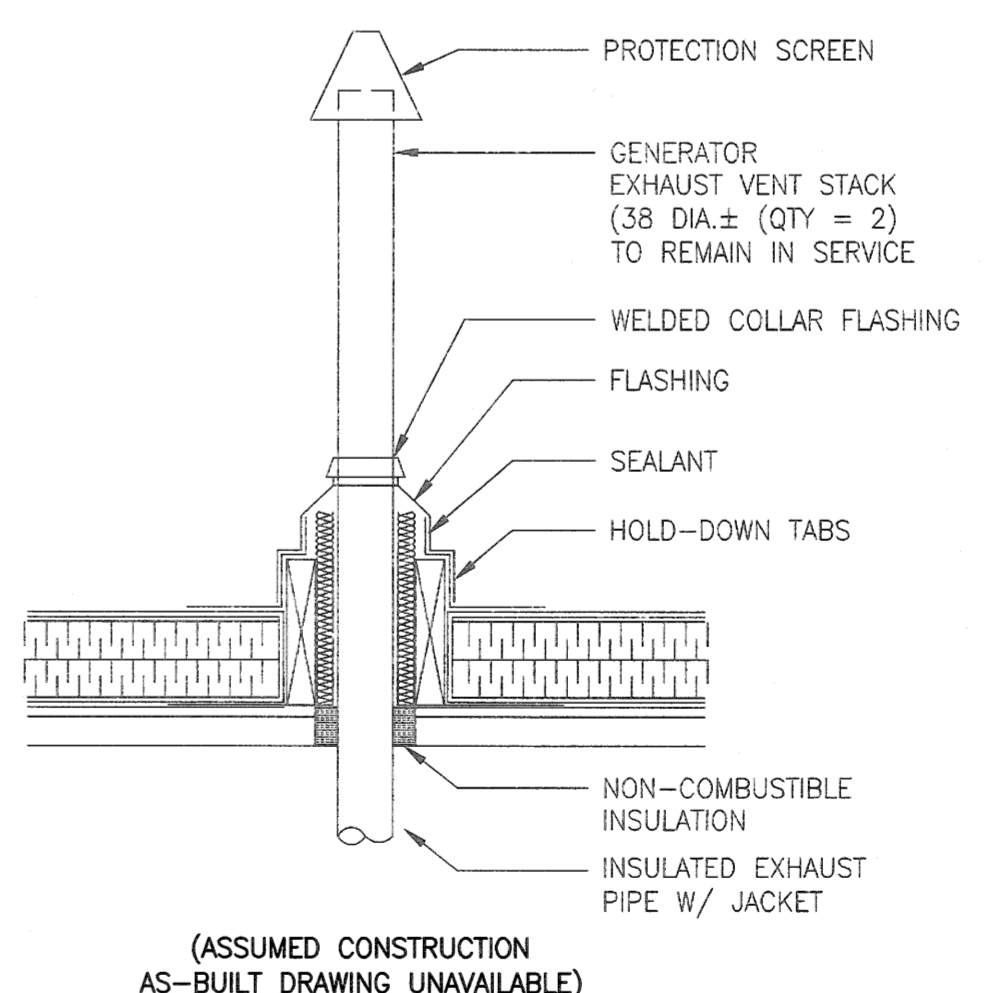
C SECTION
SCALE: 1:10



D SECTION
SCALE: 1:10



E SECTION
SCALE: 1:10



F SECTION - GENERATOR EXHAUST VENT
SCALE: 1:10

- DEMOLITION NOTES:**
- VISIT THE SITE AND SATISFY ONESELF THAT ALL DIMENSIONS, DATUM(S) AND DETAILED INFORMATION SHOWN ARE CORRECT.
 - REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH THE ROOF FOR DUCTS, PIPES, ELECTRICAL RISERS AND ALL OTHER OPENINGS NOT SHOWN ON THE DRAWINGS.
 - ALL PRODUCTS TO BE USED AND INSTALLED SHALL CONFORM WITH THE MANUFACTURER'S SPECIFICATIONS AND APPLICABLE CODES.
 - PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING PART OF THE RENOVATION WORK.
 - ALL DEMOLITION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL PERTINENT BUILDING CODES, THE MANITOBA DEPARTMENT OF LABOUR, AND ANY OTHER PROVINCIAL AND LOCAL BY-LAWS, REGULATIONS AND ORDINANCES.
 - DEMOLITION SHALL INCLUDE THE SAFE REMOVAL, HAULING AND DUMPING OF ALL DEBRIS, ETC. TO AN APPROVED SITE. ALL COSTS ASSOCIATED WITH THIS OPERATION, INCLUDING TRANSPORT, LICENCES AND FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - COORDINATE THE MOVING AND STORAGE OF SALVAGED ITEMS, MATERIAL, EQUIPMENT, ETC. WITH THE CONTRACT ADMINISTRATOR AND THE CITY OF WINNIPEG.
 - NOTIFY THE CONTRACT ADMINISTRATOR OF ANY PREVIOUSLY UNNOTICED FLAW OR CONDITION THAT MIGHT INCREASE THE SCOPE OF WORK OR COMPROMISE NEW CONSTRUCTION, PRIOR TO THE START OF DEMOLITION AND CONSTRUCTION, OR AS SOON AS IT IS NOTICED.
 - DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE PROJECT TECHNICAL SPECIFICATIONS.
 - PROVIDE ADEQUATE PROTECTION FOR THE EXISTING FACILITY/PROPERTY TO PREVENT PHYSICAL DAMAGE AND LOSS OF VALUE OR USE OF ANY KIND, AS A RESULT OF DEMOLITION, CONSTRUCTION AND RELATED ACTIVITIES.
 - ROOFING DEMOLITION TO BE COMPLETED IN TWO STAGES TO FACILITATE THE REMOVAL OF ONLY ONE OF THE EXISTING AIR HANDLING UNITS (AHU-1 AND AHU-2) AT A TIME. PROTECT ALL EXPOSED SEAMS AND ROOFING PENETRATIONS DURING PHASING. PHASING SHOWN ON THE DRAWING IS SUGGESTED, BUT CAN BE MODIFIED BY THE CONTRACTOR VIA A SUBMITTAL AND FIRST APPROVED BY THE CONTRACT ADMINISTRATOR.
 - REFER TO PROJECT SPECIFICATIONS REGARDING HAZARDOUS MATERIALS.
 - THE EXISTING ROOF FANS EF-M1, EF-M2, AND EF-M3 ARE CONNECTED TO THE EXISTING GAS DETECTION SYSTEM AND THEREFORE OPERATIONAL DOWNTIME MUST BE MINIMIZED. EF-M1, EF-M2, AND EF-M3 TO REMAIN OPERATIONAL THROUGHOUT PHASE 1 OF THE ROOF WORK. REMOVAL AND REINSTALLATION OF EF-M1, EF-M2, AND EF-M3 TO TAKE PLACE DURING PHASE 2 OF ROOF WORK AND TO BE COMPLETED EXPEDITIOUSLY.
 - LAP NEW VAPOUR BARRIER & ROOFING ONTO EXISTING VAPOUR BARRIER & ROOFING AND SEAL AS PER MANUFACTURER'S RECOMMENDATIONS TO ACCOMMODATE PHASING.

- LEGEND:**
- RD = ROOF DRAIN
 - BUR = BUILT-UP ROOFING
 - SIM = SIMILAR
 - SBS = STYRENE BUTADIENE STYRENE (OR MODIFIED BITUMEN)

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10		
9		
8		
7		
6		
5	1-0650A-D0001-001	COVER SHEET
4	1-0650M-S0004-001	STRUCTURAL - PUMP STATION - ROOFING - SECTION AND DETAILS
3	1-0650M-S0003-001	STRUCTURAL - PUMP STATION - ROOFING - PLAN AND DETAILS
2	1-0650Y-M0001-001	MECHANICAL - PUMP STATION ROOF - HVAC PLAN - NEW
1	1-0650M-M0006-002	MECHANICAL - PUMP STATION ROOF - HVAC PLAN - DEMOLITION

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

NO.	REVISIONS	DATE	DESIGN CHECK
0	ISSUED FOR CONSTRUCTION	2020/06/18	LVA/CMS

KGS GROUP

DESIGNED BY: L. MILIUS-ALPHONSE
DRAWN BY: F. VALENCIA
SCALE: AS NOTED
DATE: 2019/04/30

CHECKED BY: C. SIEPMAN
APPROVED BY: C. SIEPMAN
ISSUED FOR CONSTRUCTION
DATE:

CONSULTANT NO.: 19-0107-005_S02

ENGINEER'S SEAL

C.M. SIEPMAN
Member
20813

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

HURST PUMPING STATION
STRUCTURAL REPAIRS AND DRAINAGE BUILDING UPGRADES
STRUCTURAL
PUMP STATION ROOFING DEMOLITION
PLAN AND SECTIONS

CITY DRAWING NUMBER: 1-0650M-S0002
SHEET: 001
REV: 0
SIZE: A1