

**DRAWING NOTES**

**GENERAL**

1. DO NOT SCALE DRAWINGS.
2. VERIFY ALL DIMENSIONS SHOWN PRIOR TO COMMENCING CONSTRUCTION.
3. VERIFY LOCATION OF ALL EQUIPMENT ON STRUCTURE AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
4. LOCATE SERVICES AND PROTECT THEM AT ALL TIMES DURING CONSTRUCTION.
5. STRUCTURAL DRAWINGS SHOWING THE COMPLETED STRUCTURE DO NOT INDICATE COMPONENTS WHICH MAY BE NECESSARY FOR SAFETY DURING CONSTRUCTION.

**SELECTIVE DEMOLITION**

1. REMOVE ITEMS AND MATERIALS WHERE SHOWN ON DRAWINGS. REMOVE ONLY MATERIALS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
2. PROTECT WORK TO REMAIN.
3. PROVIDE PROTECTION TO PERSONNEL WORKING IN ADJACENT AREAS, AND TO THE PUBLIC.
4. PROVIDE INSULATED, DUSTPROOF TEMPORARY HOARDING AS REQUIRED.
5. DO NOT REMOVE MORE AREA OF ROOF THAT CAN BE FULLY WATERPROOFED IN ONE DAY. USE ONLY CLEAN AND DRY MATERIALS AND APPLY ONLY IN WEATHER THAT WILL NOT INTRODUCE MOISTURE INTO THE ROOF SYSTEM.
6. STORE AND PROTECT MATERIALS AND ITEMS TO BE INSTALLED IN RENOVATED AREAS.
7. REMOVE FROM SITE ALL MATERIALS NOT REQUIRED.

**ROOF WALKWAY**

1. REMOVE AND REINSTALL ROOF WALKWAY AS REQUIRED TO COMPLETE THE WORK. REINSTALL ROOF WALKWAY WITH PURPOSE MADE NON-PENETRATING CLIPS.
  - 1.1. ACCEPTABLE PRODUCT: S-5 TECHNOLOGIES.
2. METAL ROOF SUPPLIER TO PROVIDE THE NECESSARY SUPPORTS BELOW THE ROOF PANEL TO SUPPORT THE LOADS OF THE WALKWAY.
3. PROVIDE SHOP DRAWING TO CONTRACT ADMINISTRATOR FOR REVIEW.

**SNOW AND ICE GUARDS**

1. PROVIDE NEW SNOW AND ICE GUARDS AND FASTEN WITH PURPOSE MADE NON-PENETRATING CLIPS.
  - 1.1. ACCEPTABLE PRODUCT: S-5 COLOR GUARD.

**VAPOUR BARRIER**

1. USE PEEL AND STICK PRODUCT TO LAP AND SEAL VAPOUR BARRIER AND ROOF SHEETS TO EXISTING.
  - 1.1. ACCEPTABLE PRODUCT: BAKOR BLUESKIN SA.
2. INSTALL AS PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.

**METAL BUILDING INSULATION**

1. MATERIAL: FIBREGLASS, FRICTION FIT, UNFACED.
2. PROVIDE INSULATION IN 2 LAYERS TO MEET THERMAL RESISTANCE VALUES INDICATED ON THE DRAWINGS.
3. PROVIDE MANUFACTURER'S PRODUCT INFORMATION TO CONTRACT ADMINISTRATOR FOR REVIEW.
4. INSTALL INSULATION TO MAINTAIN CONTINUITY OF THERMAL BARRIER, FIT TIGHT TO PENETRATIONS, DO NOT COMPRESS.
  - 1.1. ACCEPTABLE PRODUCT: JOHNS MANSVILLE PEBS BLANKET

**STANDING SEAM ROOF SYSTEM**

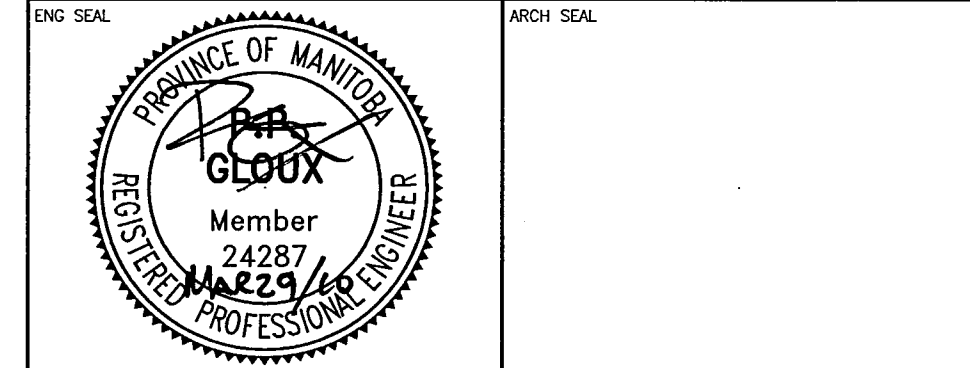
1. DESIGN OF SYSTEM:
  - 1.1. PROVIDE FOR THERMAL MOVEMENT CAUSED BY TEMPERATURE RANGE OF +40 C TO -40 C WITHOUT CAUSING DETERIORATION TO THE ROOF SYSTEM.
  - 1.2. DESIGN ROOF SYSTEM FOR DEAD AND LIVE LOADS INCLUDING SNOW, BUILT-UP SNOW, WIND, RAIN AND ICE LOADS IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA.
  - 1.3. DEFLECTION OF THE ROOF SYSTEM NOT TO EXCEED 1/180TH OF THE SPAN FOR THE SPECIFIED LIVE LOADING.
  - 1.4. DESIGN AND DETAIL ALL SUPPORTS, CLIPS, GIRTS, HAT SECTIONS, FASTENERS, SHEET METAL FLASHING, PANELS AND ALLMETAL COMPONENTS FOR THE ROOF SYSTEM.
  - 1.5. PROVIDE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA.
2. PROVIDE FOR MOISTURE DRAINAGE TO EXTERIOR.
3. EXTERIOR ROOF PANELS: TO ASTM A653M, GRADE 230, MINIMUM 24 GAUGE, PREFINISHED WITH WEATHER X COATING.
4. LINER PANEL: TO ASTM A653M, GRADE 230, MINIMUM 24 GAUGE, PREFINISHED WITH WETHER X COATING. FACTORY TPAED JOINTS TO PROVIDE A CONTINUOUS VAPOUR BARRIER.
5. FLASHINGS: OF SAME MATERIAL AS CLADDING.
6. SCREWS: GASKETED, SELF DRILLING SCREWS, HEAD COLOUR TO MATCH CLADDING.
7. SYSTEM TO BE FINISHED FREE FROM RATTLES, WIND WHISTLES OR NOISE DUE TO THERMAL MOVEMENTS.
8. SEALANTS: DOW CORNING 790 SILICONE SEALANT. SEALANT COLOUR TO MATCH ADJACENT SURFACES WHERE EXPOSED IN FINISHED ASSEMBLY.
9. PROVIDE ALL NECESSARY CLOSURES, FLASHINGS, MOULDINGS AND ACCESSORIES FOR A CLEAN, WEATHER TIGHT FINISH.
10. TOUCH UP ALL PAINT ABRASIONS WITH TOUCH-UP PAINT.
11. FULLY CLEAN ROOF BY DRY WIPING. CLEAN ANY OVERFLOWN SEALANT.
12. INSTALL ROOFING IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND CRCA GUIDELINES.
13. ALL ROOF COMPONENTS TO BE COMPATIBLE AND FROM THE SAME MANUFACTURER.
14. ACCEPTABLE STANDING SEAM METAL ROOF SYSTEMS:
  - 1.1. VOWEST TS22000 SYSTEM
  - 1.2. STEELWAY RFL SYSTEM
  - 1.3. BEHLEN THERMALGUARD SYSTEM



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1	ISSUED FOR TENDER	MIS	PPG	MAR 29 2010
0	ISSUED FOR CLIENT REVIEW	MIS	PPG	MAR 09 2010
REV	DESCRIPTION	DWN	APP	REV DATE

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PROJECT  
**CITY OF WINNIPEG**  
 1220 PACIFIC AVE. - ROOF PANEL REPLACEMENT

SHEET TITLE  
**SITE PLAN AND EXISTING ROOF KEY PLAN AND NOTES**

DRAWN BY <b>MIS</b>	CHECKED BY <b>PPG</b>	DATE <b>MAR 29 2010</b>	SHEET NO <b>B00</b>
DESIGNED BY <b>PPG</b>	CHECKED BY <b>PPG</b>	SCALE <b>AS NOTED</b>	REVISION NO <b>1</b>

**A SITE PLAN**  
 B00  
 1" = 40'-0"

\\Home\Engineering\Projects\188 - City of Winnipeg\42.1220 Pacific Ave Roof Panel Replacement\Drawing\01 Issued for Tender\_Mar\_29\_2010\B00\_Site Plan.dwg