

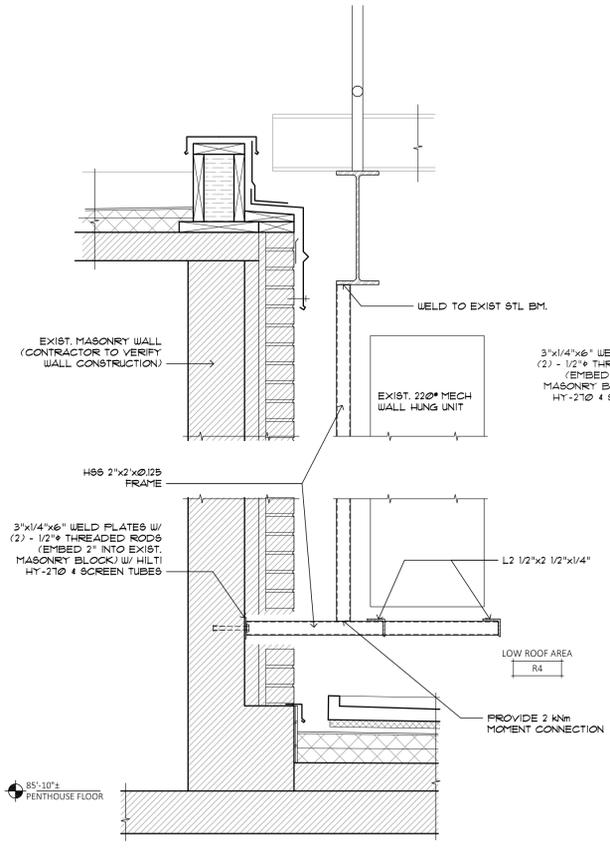
ROOF PLAN
SCALE 1/8" = 1'-0"

NOTE:
ALL STEEL TO BE FULLY GALVANIZED.

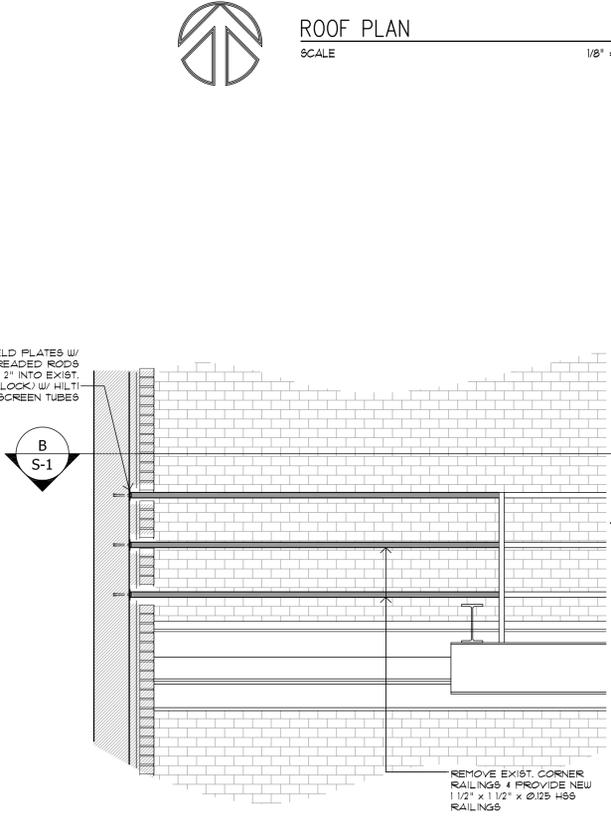
GENERAL NOTES:

- A. GENERAL**
1. Structural drawings are part of a set of contract documents. The contractor and subcontractors are to review all drawings and specifications in conjunction with the structural documents.
 2. Drawings are not to be scaled.
 3. Digital copies of the drawings will not be provided.
 4. Reproduction of structural drawings for use of shop drawings will not be accepted.
 5. All dimensions shall be checked and verified prior to commencing construction.
 6. DESIGN LOADS
- GRAVITY LOADS - See plans
7. Design has been completed in accordance with the 2011 Manitoba Building Code.
 8. All temporary support, bracing, shoring, etc. is the sole responsibility of the contractor and shall be provided as required until permanent structure has been completed.

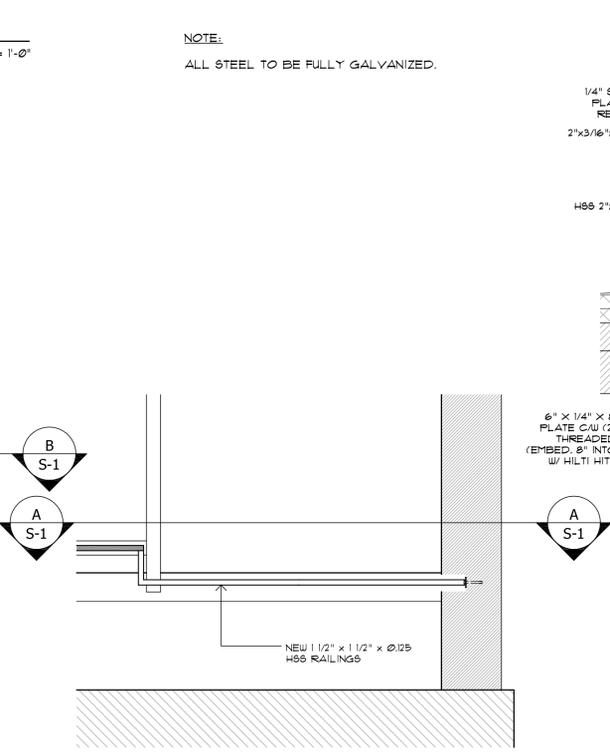
- B. STRUCTURAL STEEL**
1. Fabrication and erection of structural steel shall be performed in accordance with CSA S16-09 steel structures for buildings. Verify all dimensions prior to fabrication.
 2. Hollow structural sections shall be in accordance with CSA G4021-04, Grade 350W Class C. All other structural sections shall be in accordance with CSA G4021-04, Grade 350W.
 3. All structural steel connections shall be in accordance with CSA G4021-04, Grade 350W. Design and fabricate all connections for the full strength of the member.
 4. Provide galvanizing of members to CSA G164 as shown on drawings.
 5. Welding shall be undertaken by a company with proven capability in this type of work and shall have the approval of the Canadian Welding Bureau to the requirements of CSA W471-09.
 6. Welding shall conform to the requirements of CSA W59-13.
 7. Structural steel to receive one coat of CISC CPMA standard 2-T5 Quick Drying primer.
 8. Structural steel erector shall supply and install all temporary guying and bracing necessary to provide stability for the structure as a whole. These shall remain in place until floor slabs are well cured, steel roof deck is fully welded and/or permanent bracing is installed.
 9. Structural steel supplier shall submit shop drawings, sealed by a professional Engineer registered in the project province, including connection details and clearly indicating profiles, sizes, spacing and locations of structural members, cambers, and loads to the consultant for approval prior to fabrication.



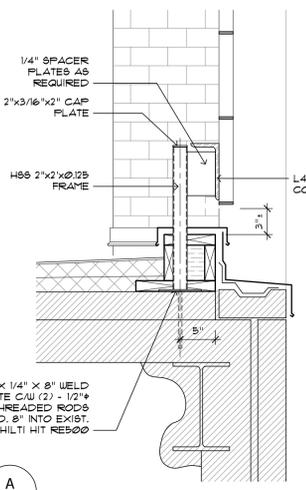
2 MECH UNIT SUPPORT DETAIL
1" = 1'-0"



A RAILING ELEVATION
1/2" = 1'-0"



B RAILING PLAN
1/2" = 1'-0"

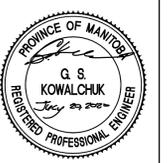


1 SECTION
1" = 1'-0"

APECM
Certificate of Authorization
Kowalchuk Consulting Engineers Ltd.
No. 1777 Date: July 20, 2020

Kowalchuk
Consulting Engineers Ltd.

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PROJECT:
City Hall Administration Building Roof Replacement
510 Main Street
CLIENT:
City of Winnipeg

APPROVED BY:
GSK
DATE:
July 2020
Bid Opportunity:
430-2020
PROJECT NO.:

20-097
DWG NO.:

SCRATCH
architecture inc.

Issued for Construction 07.20.20
Issued for 66% 09.20.2019

ISSUED FOR CONSTRUCTION

S-1