



GENERAL NOTES:

1. THE GUARDRAIL HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2011 MANITOBA BUILDING CODE.
2. DO NOT SCALE DRAWINGS.
3. VERIFY ALL DIMENSIONS SHOWN PRIOR TO COMMENCING CONSTRUCTION.
4. ALL FASTENERS TO BE INSTALLED FOLLOWING MANUFACTURER'S SPECIFICATIONS.
5. STAINLESS STEEL TO BE GRADE 304/ASTM A276.
6. THE DESIGN LOADS FOR GUARDRAILS ARE AS FOLLOWS:
 - 6.1. A HORIZONTAL LOAD OF 0.75 kN/m OR 1 kN AT ANY POINT ON THE GUARDRAIL.
 - 6.2. VERTICAL LOAD: 1.5 kN/m AT TOP OF GUARD BUT NOT SIMULTANEOUSLY WITH HORIZONTAL LOAD.
 - 6.3. A HORIZONTAL 0.5 kN APPLIED OVER AN AREA OF 100mmx100mm LOCATION AT ANY POINT.
7. THE MANUFACTURER TO PROVIDE STAMPED ENGINEERING SHOP DRAWINGS FOR THE GUARDRAIL.

LEGEND	
MARK	DESCRIPTION
H	LADDER LOCATION

ROOF AREA LABEL



MODULAR GUARDRAIL SYSTEM (SAFETYRAIL 2000 ARCHITECTURAL SERIES INTERMEDIATE KIT, STRAIGHT BY BLUEWATER) W/ SAFETY RAIL BASE MIN. 42" HIGH C/W GALVANIZED COLOR; LOCATE NEXT TO PARAPET WALL W/ MIN. 3" GAP B/W PARAPET WALL AND SAFETY RAIL BASE.



1 ROOF PLAN
S1 SCALE: NTS



TOP OF ROOF



2 TYPICAL GUARDRAIL DETAIL
S1 SCALE: NTS

APECM
Certificate of Authorization
Charleson Engineering Ltd.
No. 50 Date: 2019-01-02



ISSUED FOR CONSTRUCTION

CHARLESON ENGINEERING LTD
101-1200 PEMBINA HWY, WINNIPEG, MB R3T 2A7
PH# 204-895-1474, FAX# 204-416-4606
EMAIL: KEN@CHARLESONENG.CA

PROJECT #: 18202
DATE: JAN 02, 2019
SCALE: NTS S1

ROOF GUARDRAIL
GENERAL NOTES, ROOF PLAN, & TYPICAL SECTION
215 TECUMSEH
WINNIPEG, MB