



REFER TO PLAN BELOW

LIGHTNING PROTECTION TO BE INSTALLED BY A CONTRACTOR WITH A MINIMUM OF 5 YEARS EXPERIENCE.

\*--APPROXIMATE ANTENNA LOCATION. ANTENNA CABLES AND ANTENNAS ARE SUPPLIED AND INSTALLED BY OWNER. ANTENNA CABLE IS A HELIAX, #1/2SOA (ANDREWS CORP.) 3/4" OD.

GROUND RESISTANCE TEST TO BE PERFORMED. RESULTS SHALL BE 5 OHMS OR LESS

- NOTES:
- ① ALUMINUM CABLE TRAY ON ROOF FOR ANTENNA CABLES - 12" WIDE, 6" RUNG.
  - ② ALUMINUM CABLE TRAY ON ROOF FOR ANTENNA CABLES - 24" WIDE, 6" RUNG. COMPLETE WITH ROLL OUT UP TO W.P. MASTS.
  - ③ MINIMUM BENDING RADIUS FOR ANTENNA CABLE CONDUITS IS 250mm(10").
  - ④ EXISTING FANS OR RTU'S TO REMAIN. DISCONNECT AND RECONNECT AS REQUIRED FOR NEW ROOF INSTALLATION.
  - ⑤ LIGHTNING ARRESTOR (AIR TERMINAL) COMPLETE WITH #4/0 DOWN CONDUCTOR TO GROUND ROD. INSTALL GROUND CONDUCTOR IN A RIGID PVC SLEEVE ON SURFACE OF THE BUILDING. PAINT TO MATCH WALL.
  - ⑥ LIGHTNING ARRESTOR (AIR TERMINAL) CONNECTED TO 4/0 CONDUCTOR (LIGHTNING PROTECTION CABLE).

**SMS ENGINEERING**

SMS Engineering Ltd. Consulting Engineers  
 770 Bradford Street Winnipeg MB Canada R3H 0N3  
 Telephone 204.775.0291 Fax 204.772.2153  
 sms@smseng.com

Project Title

**CONSTRUCTION OF AN  
 ALTERNATE EMERGENCY  
 COMMUNICATION CENTRE  
 700 ASSINIBOINE PARK DRIVE**

WINNIPEG MANITOBA

ROOF PLAN		
Drawn By RC	Approved By CB	Reference E-11R1
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