



- NOTES**
- FOUNDATION DEPTH SHALL BE 6 FEET (MIN.) EXCEPT WHERE THERE IS FIRM BEDROCK ABOVE THIS DEPTH. THE BOTTOM OF ALL FOUNDATION EXCAVATIONS SHALL BE FREE OF WATER AND LOOSE EARTH AND SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT AS PER ASTM 1-180, PRIOR TO INSTALLING FOUNDATIONS. WHERE REQUIRED, FILL SHALL BE PLACED IN LAYERS OF 6 INCHES (MAX) AND SHALL BE COMPACTED IN THE SAME MANNER AS DESCRIBED ABOVE.
  - CONCRETE FOUNDATIONS SHALL HAVE SMOOTH VERTICAL SURFACES SO AS TO BE RESISTANT TO FROST HEAVES.
  - CONCRETE SHALL DEVELOP MINIMUM STRENGTH OF 3000 PSI IN 28 DAYS WITH MAXIMUM SLUMP OF 3 INCHES AND MAXIMUM AGGREGATE SIZE OF 3/4 INCH. CONCRETE MIX SHALL HAVE AN AIR ENTRAINING AGENT CONFORMING TO ASTM C-260. CONCRETE SHALL BE PROTECTED FROM FREEZING DURING AND FOR 7 DAYS AFTER PLACEMENT.
  - WEED BARRIER FABRIC COVERED WITH A 4 INCH LAYER OF CRUSHED STONE (3/4 INCH DIAM MAX), SHALL BE PLACED IN THE AREA EXTENDING 4 FEET FROM EACH SIDE OF EACH LHA AND POWER AND CONTROL STATION PAD.
  - CAP UNUSED COUPLING IN JAQUITH CANS.
  - ALL HARDWARE SHALL BE STAINLESS STEEL. CHANNEL (UNISTRUT OR EQUAL) SHALL BE STAINLESS STEEL. GRSC INDICATES GALVANIZED RIGID STEEL CONDUIT.
  - AN ENGRAVED PLASTIC OR OTHER APPROVED LABEL SHALL BE AFFIXED TO EQUIPMENT ENCLOSURE WITH EPOXY CEMENT. LABEL SHALL READ "R/W 14 PAPI" AND SHALL INCLUDE CABINET NAME (I.E. "DISCONNECT SWITCH") UNLESS OTHERWISE DIRECTED.
  - HANDHOLE COVERS SHALL BE IDENTIFIED WITH THE APPROPRIATE INFORMATION ON A 1/16" (MIN) THICK BRASS PLATE FASTENED TO THE COVER WITH A MINIMUM OF TWO 10-32 BRASS SCREWS.

- LEGEND**
- DISCONNECT SWITCH
  - AIR TO GROUND RECEIVER
  - REMOTE MONITORING SUBSYSTEM - N.I.C.
  - POWER AND CONTROL ASSEMBLY
  - PAPI INTERFACE UNIT
  - GROUND TO GROUND DECODER
  - GROUND TO GROUND RECEIVER

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**VERMONT AGENCY OF TRANSPORTATION  
COVENTRY, VERMONT**  
NEWPORT STATE AIRPORT  
RUNWAY 18-36 RECONSTRUCTION  
PAPI POWER AND CONTROL STATIONS AND FOUNDATION

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