



NOTES

- FOUNDATION DEPTH SHALL BE 6 FEET (MIN). THE BOTTOM OF ALL FOUNDATION EXCAVATIONS SHALL BE FREE OF WATER AND LOOSE EARTH AND SHALL BE COMPACTED TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS PER AASHTO T-99, PRIOR TO INSTALLING FOUNDATIONS.
- FORM FOUNDATIONS FULL DEPTH SUCH THAT VERTICAL SURFACES ARE SMOOTH AND RESISTANT TO FROST HEAVES.
- CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE CURRENT ISSUE OF ACI-318; BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE. CONCRETE TO DEVELOP MINIMUM STRENGTH OF 3000 PSI IN 28 DAYS WITH MAXIMUM SLUMP OF 3 INCHES AND MAXIMUM AGGREGATE SIZE OF 3/4 INCH. CONCRETE SHALL BE PROTECTED FROM FREEZING DURING AND FOR 7 DAYS AFTER PLACEMENT.
- DRILL HOLES AND INSTALL EXPANSION TYPE ANCHOR BOLTS WHEN PAPI UNITS HAVE BEEN ACCURATELY LOCATED AND AFTER CONCRETE HAS HARDENED SUFFICIENTLY.
- 2" EMT LENGTH SHALL BE SET AS REQUIRED SO THAT THE BEAM CENTERS OF ALL LIGHT UNITS SHALL BE WITHIN +/- 1 INCH OF A HORIZONTAL PLANE. THIS HORIZONTAL PLANE SHALL BE 2'-0" ABOVE THE ELEVATION OF THE RUNWAY CROWN PERPENDICULAR TO THE PAPI UNITS.
- COAT THE FLANGE SURFACE RESTING ON THE CONCRETE WITH AN ASPHALTIC COMPOUND FOR METAL PROTECTION.
- WHERE REQUIRED AT PAPI FOUNDATIONS, FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 6 INCHES, EACH LAYER SHALL BE THOROUGHLY COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH AASHTO-T99.
- FOLD BACK UNUSED SHIELDED PAIRS AND TAPE TO PREVENT WATER INFILTRATION; LEAVE IN THE LHA UNIT.
- WEED BARRIER COVERED WITH A 4 INCH LAYER OF 3/4" CRUSHED STONE SHALL BE PLACED IN THE AREA EXTENDING 4 FEET FROM EACH SIDE OF EACH LHA, POWER AND CONTROL STATION.
- A #8 SOLID BARE COPPER GROUND SHALL RUN THROUGH ALL CONDUITS AND SHALL BE ATTACHED TO GROUND BUSHINGS AT EACH CONDUIT END AND SHALL BE ATTACHED TO GROUND LUGS IN EACH LHA.
- ALL MATERIAL AND EQUIPMENT NOT LISTED UNDER "FURNISHED MATERIAL" SHALL BE SUPPLIED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL MATERIAL AND EQUIPMENT.
- ALL RIGID CONDUIT FITTINGS, NUTS, BOLTS AND STEEL WORK SHALL BE GALVANIZED, OR STAINLESS STEEL. ALL FITTINGS USED WITH RIGID CONDUIT SHALL BE THREADED TYPE.
- INSTALL GROUND RODS AT THE END OF ALL CABLE RUNS, EVERY 200' ALONG RUNS OR AS DIRECTED ON THE DRAWING.

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DuBois & King
engineering planning management development

VERMONT AGENCY OF TRANSPORTATION
COVENTRY, VERMONT
NEWPORT STATE AIRPORT
RUNWAY 18-36 RECONSTRUCTION
PAPI MOUNTING PLAN
SECTIONS AND FOUNDATION DETAILS

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