IN LIEU OF SUBSURFACE DRAINAGE SYSTEM (GRANULAR FILL, FILTER FABRIC, PERFORATED DRAIN) AND THE PROTECTION BOARD FOR THE CONTINUOUS MEMBRANE WATERPROOFING INDICATED, THE CONTRACTOR MAY PROVIDE THE OPTIONAL SUBDRAINAGE SYSTEM CONSISTING OF PERFORATED DRAIN AND GRANULAR FILL, WATERPROOFING MEMBRANE, PREFABRICATED DRAINAGE BOARD OR MAT, AND FILTER FABRIC.

THE WATERPROOFING MEMBRANE IF REQUIRED BY THE MEMBRANE MANUFACTURER AT THE MAGAZINE WALLS AND TOP ORIAND AT THE RETAINING WALLS FOR THE MAGAZINE AS DETAILED BELOW. THE LOCATION, GRADES, AND MATERIALS SHOWN FOR DOWNSLOPE PIPING (DRAINAGE AND FILTER FABRIC MATERIAL) INTO WHICH THE PREFABRICATED DRAINAGE SYSTEM CONNECTS SHALL NOT VARY FROM THAT INDICATED. THE OPTIONAL PREFABRICATED DRAINAGE SYSTEMS LISTED BELOW ARE ACCEPTABLE FOR USE. A COMPLETE SET OF SHOP DRAWINGS, ALONG WITH THE MANUFACTURERS PRODUCT LITERATURE, THICKNESS CALCULATIONS, AND INSTALLATION INSTRUCTIONS SHALL BE SUBMITTED TO THE CONTRACTING OFFICER FOR APPROVAL:

- GEOFAB BY ENKADRAI
- STIPDRAIN BY MIRAI
- GEOTECH BY MIRAI INC.
- GEOTECH SYSTEMS CORP.
- PROTECTION BOARD IS ACCEPTABLE OVER MERCANTILE DEVELOPMENT INC.
- ARMCO CONSTRUCTION PRODUCTS

INTERSECTION OF PARAPET PLASTER TOP FACE AND PAVEMENT GRADES FOR PREVENTING WATER ENTERING STRUCTURE IS DETAIL AS SHOWN.

ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
1. Ground rods shall be copper clad steel, 3/4" in diameter, and 10 feet long.

2. All metal equipment and parts in the building shall be bonded to building ground bus.

3. All grounding connections shall be made with bare copper ground strap.

4. Grounding connections shown are typical for all lighting protection systems.

5. Lightning protection shown is for lightning protection systems. Each lighting protection system must be site adapted.

6. All metal equipment and parts in the building shall be bonded to the main grid. Each lightning protection system shall be adapted to the main grid.

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