ROOF ANCHOR BOLTED THROUGH CONCRETE SLAB

1. SM-1: FORGED PAD EYE, QUENCHED AND TEMPERED. ENTIRE ANCHOR HOT-DIP GALVANIZED AFTER FABRICATION.

2. HSS TUBE: HEIGHT AND DIAMETER SIZE AS REQUIRED FOR APPLICATION.

3. SM-FOM: OPTIONAL MOLDED URETHANE INSULATION REDUCES THERMAL TRANSFER AND CONDENSATION; COMMONLY USED IN GREEN CONSTRUCTION.

4. SM-TRA: 5/8” Ø 304 B8 STAINLESS STEEL THREADED RODS WITH STAINLESS STEEL HEAVY HEX NUTS, GALVANIZED FLAT, AND STAINLESS LOCK WASHERS. BOLT LENGTH DETERMINED BY SLAB THICKNESS (M.S.)

5. SM-PLT: 3/8” THICK, BACK PLATES.

NOTE - CUSTOMER IS RESPONSIBLE FOR THE FOLLOWING:

1. ASSURANCE THAT SUMMIT ANCHOR PRODUCTS ARE ATTACHED TO ADEQUATE AND COMPATIBLE STRUCTURE.

2. WHEN INSTALLED PROPERLY, SUMMIT ANCHOR STANDARD PRODUCTS ARE DESIGNED TO SUPPORT LOADS AS FOLLOWS:
   - 5,000 LB. ULTIMATE LOAD
   - 1,250 LB. WORKING LOAD

3. THE UNDERSTANDING THAT ANCHORS MAY FAIL DUE TO IMPROPER INSTALLATION OR INADEQUATE SUPPORTING STRUCTURE. SERIOUS INJURY OR DEATH MAY RESULT FROM ANCHOR FAILURE. INSTALLATION OF ANCHORS MUST BE PERFORMED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER WITH EXPERIENCE IN SUSPENDED ACCESS EQUIPMENT. ADDITIONALLY, ANCHORS SHALL BE TESTED AND CERTIFIED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER BEFORE BEING INITIALLY PLACED INTO SERVICE (SEE M.S. H.W. RODD WEATHER STABILITY STANDARD).

4. PROVIDING INFORMATION TO THE OWNER, OR THEIR REPRESENTATIVE, VERIFYING THE ANCHOR LAYOUT COMPLIES WITH APPLICABLE LOCAL, AND NATIONAL CODES, REGULATIONS, AND SAFETY STANDARDS FOR THE INTENDED USE.

5. ENSURING THAT THE APPLICATION IN WHICH THE ANCHORS ARE USED AND THE STRUCTURE TO WHICH IT ATTACHES WILL SUPPORT THE LOADS IMPOSED ON THE ANCHOR. THE STRUCTURE AND FIELD CONNECTION DETAILS MUST BE FULLY DEVELOPED TO AVOID LOADS INJECTION IN THE WIND. ALLOWING MOMENT, SHEAR FORCES, AND AXIAL FORCES ETC. THE PROJECT ENGINEER OF RECORD FOR THE BUILDING IS RESPONSIBLE FOR THE DESIGN ELEMENTS OF THE CONNECTION OF THE ANCHOR TO THE STRUCTURE. THESE ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO MAIN STRUCTURAL ELEMENTS WHICH INCLUDES VERTICLE AND HORIZONTAL LOAD CARRYING MEMBERS AND ASSOCIATED CONNECTIONS.

6. MATERIAL DESIGNATION:
   - ALL PLATES: ASTM A572 GR 50
   - ALL TUBES: ASTM A500 GR C
   - WELD WIRE: E70