**ROOF ANCHOR WRAPPING STEEL BEAM**

1. **SM-1:** FORGED PAD EYE, QUENCHED AND TEMPERED. ENTIRE ANCHOR HOT-DIP GALVANIZED AFTER FABRICATION.
   - AVAILABLE IN 304 STAINLESS STEEL, ANNEALED.

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

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

4. **SM-TRA:** 5/8" O.D. 304 B8 STAINLESS STEEL THREADED RODS WITH STAINLESS STEEL HEAVY HEX NUTS, GALVANIZED FLAT, AND STAINLESS LOCK WASHERS. BOLT LENGTH DETERMINED BY BEAM HEIGHT (B.H.).

5. **SM-PLT:** BOTTOM PLATE TO FIT BEAM.

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**MATERIAL DESIGNATION:**
- ALL PLATES: ASTM A5720 GR 50
- ALL TUBES: ASTM A500 GR C
- WELD WIRE: E70

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**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:
   a) 1,250 LB. WORKING LOAD LIMIT (ALLOWABLE LOAD)
   b) 2,500 LB. PROOF LOAD (TEST LOAD WITHOUT PERMANENT DEFORMATION)
   c) 5,000 LB. ULTIMATE 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 (e.g.: SEE IWCA I-14.1 WINDOW CLEANING SAFETY 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 IS ATTACHED WILL SUPPORT THE APPLICABLE LOADS INDICATED ON THIS DRAWING. THE STRUCTURE AND FIELD CONNECTION DETAILS MUST BE FULLY DEVELOPED TO RESIST THE LOADS INDICATED ON THE DRAWINGS INCLUDING MOMENT, SHEAR, TORSION, 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 VERTICAL AND HORIZONTAL LOAD CARRYING MEMBERS AND ASSOCIATED CONNECTIONS, FILED CONNECTION DETAILS INCLUDING ANY FIELD WELDS, CONCRETE COMPRESSIVE STRENGTH, REINFORCING STEEL DETAILING, LOCALIZED STEEL STIFFENERS, STEEL BRACING, ADHESIVE OR MECHANICAL ANCHOR FASTENERS, OR ANY OTHER ELEMENT REQUIRED TO SUPPORT THE ABOVE LOADS.

6. ENGINEERING ANALYSIS PROVIDED UNDER THIS STAMP AND SEAL BY DHC IS ONLY FOR EQUIPMENT DESIGN SHOWN ON THESE PLANS AND IN NO WAY REPRESENTS ENGINEERING ASSOCIATED WITH THE EXISTING OR PROPOSED BUILDING. EXISTING OR PROPOSED BUILDING CONFIGURATION AND PROPERTIES HAVE NOT BEEN REVIEWED. EQUIPMENT IS ANALYZED FOR STATED LOADS ONLY. INTENDED USAGE OF EQUIPMENT IS OUT OF THIS SCOPES.