



**SPECIFICATIONS**

Alternate 1: Stainless steel studs shall meet the requirements of A.S.T.M. A276, Type 430 modified (100,000 psi with 15% elongation). Top hex nuts shall meet the requirements of A.S.T.M. A276, Type 302; or, if specified heavy hex nuts to meet the requirements of A.S.T.M. B221, alloy 6061-T6. Studs and nuts shall meet the dimensional requirements of A.N.S.I. B18.2.1 and B18.2.2, respectively.

Aluminum washers shall meet the requirements of A.S.T.M. B209, alloy 2024-T3 alclad and the dimensional requirements of A.N.S.I. B27.2 for Type A Narrow Washers. Embedded jam and hex nuts shall meet the requirements of A.S.T.M. A563, Grade A or better.

Alternate 2: Studs shall meet the requirements of A.S.T.M. A449; hex nuts shall meet the requirements of A.S.T.M. A563, Grade B or better. Washers shall be made of steel and shall meet the dimensional requirements of A.N.S.I. B27.2. Studs, nuts, and washers shall be galvanized in accordance with A.S.T.M. A153.

Embedded jam and hex nuts shall meet the requirements of A.S.T.M. A563, Grade A or better.

**INTENDED USE**

This stud is intended as an anchorage for posts in the following barrier designs:

Barrier Designs	Front Anchors	Rear Anchors
BR1 (Aluminum) Type A	✓	✓
BR2A (Aluminum) Type A	✓	✓
BR1 (Aluminum) Type B	✓	
BR2 (Aluminum) Type B		✓
BR3A (Aluminum) Type B		✓
BR2 (Aluminum) Type D	✓	
BR3A (Aluminum) Type D	✓	
MB3B,MB4B,MB7B,MB8B,MB9B	✓	✓

**3/4" ANCHOR STUD AND NUTS AND WASHER**

HM-TF-13

STANDARD

F-31-73