SQUARE WASHER
(3/16 INCH THICK GALVANIZED)

NOTES:
1. USE 1/2 INCH STEEL PLATE MEETING REQUIREMENTS OF ASTM A 36.
2. GALVANIZING REQUIRED FOR PLATE AND HARDWARE.
3. USE ZINC RICH PAINT TO COAT FIELD DRILLED HOLES.

1/2 INCH STEEL PLATE (GALVANIZED)

ANCHOR POST/PLATE ATTACHMENT FOR SINGLE RAIL ELEMENT

FIELD DRILL THREE 1 INCH DIA. HOLES IN W-BEAM AND ATTACH WITH 5/8 INCH X 1 1/2 INCH HEX BOLT WITH A SQUARE WASHER AND HEX NUT. SEE NOTE 2.

FIELD DRILL ONE 1 INCH DIA. HOLE IN W-BEAM AND POST FLANGE AND ATTACH WITH 5/8 INCH X 1 INCH LONG HEX BOLT WITH SQUARE WASHER AND HEX NUT. SEE NOTE 2.

ANCHOR POST/PLATE ATTACHMENT FOR RUB RAIL ELEMENT

NOTCHED POST BLOCK

ALL REQUIREMENTS AS PER TOP PLATE APPLY TO LOWER PLATE.

STEEL POSTS AND PLATES

SINGLE RAIL ELEMENT

STEEL POSTS AND PLATES

DOUBLE RAIL ELEMENT

OPTION I

STEEL POSTS AND PLATES

SINGLE RAIL ELEMENT

STEEL POSTS AND PLATES

DOUBLE RAIL ELEMENT

OPTION II

CONCRETE BLOCK

NOTES:
1. USE CONCRETE A(AE).
2. USE COATED REINFORCING STEEL.
3. USE 1/2 INCH STEEL PLATE MEETING REQUIREMENTS OF ASTM A 36.
4. THREADED RODS CAN BE CAST INTO CONCRETE BLOCK OR HOLES CAN BE DRILLED INTO BLOCK AND RODS EPOXYED IN.
5. DRILL HOLES A MINIMUM 9 INCH DEEP. CLEAN DRILLED HOLES PRIOR TO INSERTING THREAD ROOD.

1. USE 1/2 INCH STEEL PLATE MEETING REQUIREMENTS OF ASTM A 36.
2. GALVANIZING REQUIRED FOR PLATE AND HARDWARE.
3. USE ZINC RICH PAINT TO COAT FIELD DRILLED HOLES.
4. USE GALVANIZED THREADED ROD.
5. DRILL HOLES A MINIMUM 9 INCH DEEP. CLEAN DRILLED HOLES PRIOR TO INSERTING THREAD ROOD.