

washers shall be galvanized për ASTM A153.

2. Design Criteria / Definitions
A. Static Load = Earth Pressure + Live Load Surcharge
B. Working Load = 1.0 Static Load Plus Vehicle Impact Load
C. Design Load = Factor of Safety (1.33) Times Working Load
D. Max. Test Load = 1.5 Time Design Load
E. Lock-Off Load = Factor of Safety (1.33) Times Static Load

Plus Prestres's Losses.

Lock-Off Load = Impact Load Plus Static Load Plus Prestress Losses. Whichever is greater

3. Grout tubes shall be placed through the bearing steel plate. Size and locations shall ensure full grouting of hole. The Contractor shall submit grouting details for approval by the engineer.

4. For High Strength Threaded Bar: A. Do not weld bar.

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SURVEY PLOT
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B. Do not use bar as ground connection for welding. C. Do not allow hot slag or sparks to touch bar.

D. Do not damage bar surface. E. Do not use bars with kinks or sharp bends.

5. See Tieback Stressing Schedule on Sheet S-3A for tieback stressing information.

Eq. Eq. -Contraction Joint Utilized Zeabeveled Washers Note: Added reinforcing shall have 2" min. cover from edge of Tieback holes and from Contraction Joints.



FED. ROAD DIST. NO. FISCAL SHEET YEAR NO. TOTAL SHEETS FED. AID PROJ. NO. STATE 580A-01-02 2005 C.0.22 HAW.

—Set Screw

(2 Total)

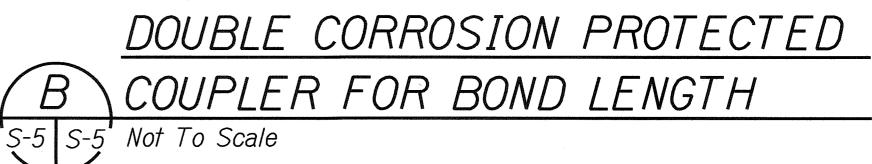
Corrosion Inhibiting Grease —

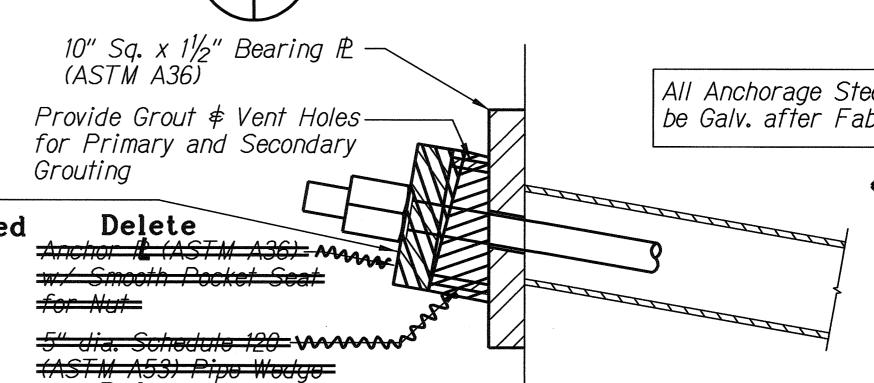
Primer with Moisture displacing corrosion inhibiting compounds, under moldable petroleum mastic covered by a non-woven, neutral petroleum and impregnated synthetic fabirc carrier tape with corrosion inhibitors.

-Galvanized Coupler —150-Gauge wrap of Metallocene Resin. -Completely fill space between coupler and bar with corrosion inhibiting grease

Coupler Installation Procedure

- 1. Apply Corrosion Inhibiting Grease to the bare ends of the bars and the inside of the Coupler.
- 2. Connect the two bar ends with the Coupler (Half the end of the Coupler).
- 3. Torque two ends together with 200 ft.-lbs. minimum then tighten set screws.
- 4. Coat Coupler with Corrosion Inhibiting Primer and cover with moldable mastic, rounding and reducing sharp edges.
- 5. Spirally wrap Coupler assembly with synthetic fabric carrier tape, pressing out air pockets and smoothing all lap seams, wrap with 1" min. over lap.
- 6. Cover Coupler assembly with wrap.
- 7. Coupler used shall be capable of developing the full ultimate tensile strength capacity of the threadbar.





All Anchorage Steel shall be Galv. after Fabrication.

> * TB W2-13 has Added 11"x11"x½" Plate Washer (excessive hole size)

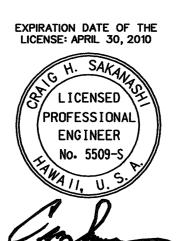
Delete Not To Scale

BAR TIEBACK ANCHORAGE DETAIL

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion $\overline{\mathcal{M}}$ Double line for as-built deletion

Text for as-built posting



THIS WORK WAS PREPARED BY

ME OR UNDER MY SUPERVISION

DELETED TIEBACK TABLE, ADDED NOTE 5 REVISION

> STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

TIEBACK ANCHOR DETAIL

KUAMOO ROAD RETAINING WALL IN THE VICINITY OF M.P. 1.1 PROJECT NO. 580A-01-02

Date: September 2005 SHEET No. 5-5 OF 8 SHEETS