

Diagram illustrating a mechanical connector assembly. The assembly consists of a rod (labeled 5/8" Nom. (1/2" Min.) x 8') connected to a mechanical connector (labeled 9). The connector is attached to a structure (labeled 10) which is secured by a weld (labeled 11). The weld is identified as an Exothermic Weld (Exam: CADWELL Type GR or Mechanical Connector Exam: BURNDY Type GAR). The structure is also labeled as No. 6 Solid Copper or No. 4 Stranded Galv. Steel Wire. The weld is further identified as a Copperweld Rod.

| OUTSIDE<br>DIA.<br>(INCHES) | LBS(2)<br>PER LIN.FT. | ALTERNATE (3)<br>(INCHES) | SECTION (1) | LBS.<br>(4)<br>PER LIN.FT. |
|-----------------------------|-----------------------|---------------------------|-------------|----------------------------|
| 2 3/8                       | 3.65                  | 2.375                     | Round       | 3.12                       |
|                             |                       | 2.25 x 1.70               | H           | 4.12                       |
|                             |                       | 2.25 x 1.70               | Heavy C     | 2.73                       |
|                             |                       | 1.875 x 1.625             | Std. C      | 2.34                       |
| 1 5/8                       | 2.27                  | 1.660                     | Round       | 1.84                       |
|                             |                       | 1.875 x 1.625             | H           | 3.33                       |
|                             |                       | 1.625 x 1.25              | See Detail  | 1.35                       |
| 2 7/8                       | 5.79                  | 2.875                     | Round       | 4.64                       |
| 4.0                         | 9.10                  | 3.500                     | Round       | 6.01                       |
| 1 7/8                       | 2.71                  | 1.900                     | Round       | 2.28                       |
|                             |                       |                           |             |                            |
|                             |                       |                           |             |                            |

\* Minimum Yield Strength = 435 KSI, except for 1.625 x 1.25 Drce Rail.

**NOTES:**  
Typical installation plan may vary as shown on the plans, or as directed by the Engineer.  
Location of gates to be shown on plans.  
Lateral fence to be some construction as frontal fence.  
All bolts to be upset to discourage vandalism.  
The fence installation and details as shown are typical and may vary in accordance with different manufacturers, provided that they meet the standard Specifications.

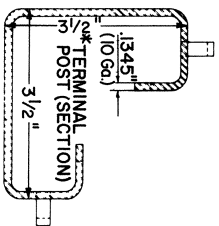
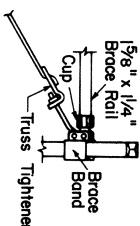
| GATES:             | Maximum |
|--------------------|---------|
| Single = 13' Width | Maximum |
| Double = 26' Width | Maximum |

③ Alternate Coating requirements for Round Sections may be externally coated with no less than 0.8 oz./ft<sup>2</sup> of high grade or special high grade zinc conforming to ASTM B6, followed by a chromate conversion coating of 30:50 micro-grains/in<sup>2</sup> and an electrostatically applied thermoplastic acrylic coating having a minimum dry film thickness of 0.3 mil. The internal surface shall be coated with a zinc rich coating of no less than 81% ZINC powder by weight, 0.3 mil, or greater in thickness.



**CORNER CONNECTOR**  
For Brace Rails.

**BRACE & TRUSS  
CONNECTION AT LINE  
POST**



\* Minimum Yield Strength 35 KSI

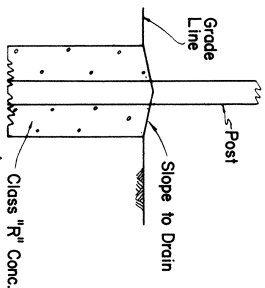
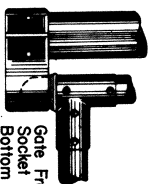
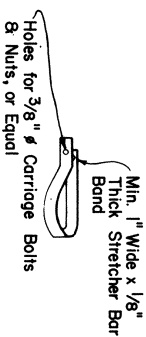


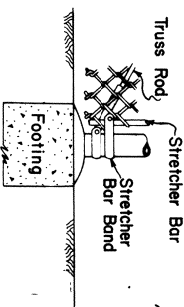
Diagram illustrating the connection of a Hog Ring Typ. Fastener to a 2-inch Mesh and Barbed & Twisted Selwages.



Gate Frame &  
Socket Ball for  
Bottom Gate Hinge



**TYPICAL STRETCHER  
BAR BAND**



## TERMINAL POST DETAIL

Technical drawing of a chain link fence assembly, showing various components and dimensions:

- Chain Link Fabric:** The main mesh material.
- Terminal Post:** A post at the end of a section, with a height dimension of 134.5" (10 Ga).
- \* BRACE RAIL:** A rail used for bracing, with a height dimension of 3 1/2".
- Section:** A cross-section of the rail, showing dimensions: 1 1/4", 0.747", 1 1/8", and 1 1/4" (14 Ga).
- \* Minimum Yield Strength 35 KSI:** Specification for the material strength.
- Truss Rod:** A rod used for bracing, with a height dimension of 3 1/8".
- Truss Tightener:** A device used to adjust the tension of the truss rod, with dimensions 1 1/8" and 1 1/4".
- Brace Band:** A band used for bracing, with a height dimension of 1 1/8".
- Cup:** A component used for bracing, with a height dimension of 1 1/8".
- Tension Wire:** A wire used for tensioning, with a height dimension of 1 1/8".
- Line Post:** A post used for line support, with a height dimension of 10'-0" Max.

NOTE: All Conc. Footing shall be crowned 1¼" above Grade Line.-

## FABRIC & TENSION WIRE DETAIL

Tension Wire Req'd. Top &amp; Bottom

**TYPICAL BOTTOM  
GATE HINGE**

| DATE    | DESCRIPTION                                             | BY     |
|---------|---------------------------------------------------------|--------|
| 6-1-53  | Remove Gate Tension Wire Wires.                         | H.B.B. |
| 11-1-79 | Rev Ground Wire Detail                                  | W.T.J. |
| 7-10-78 | Rev Alt. to Brace Rail, Corner Post, & Gate Frame       | W.T.J. |
| 2-10-78 | Retraced, Renumbered & Changed Post Footing Dimensions. | W.T.J. |

DATED Feb. 20, 1963.

CHAIN LINK FENCE & GATES  
5 FT. HEIGHT FOR INTERSTATE  
C. OF A. FENCING

STANDARD PLAN NO.

**FN - 03**

OF 1

DEPARTMENT OF TRANSPORTATION &amp; DEVELOPMENT

| ED | DETAILED | W F M | TRACES Y M |
|----|----------|-------|------------|
|----|----------|-------|------------|

|   |         |         |
|---|---------|---------|
| 0 | CHECKED | CHECKED |
|---|---------|---------|

**CHIEF ENGINEER**