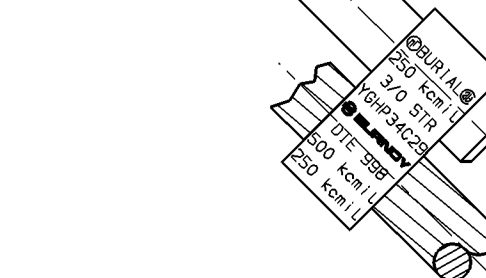
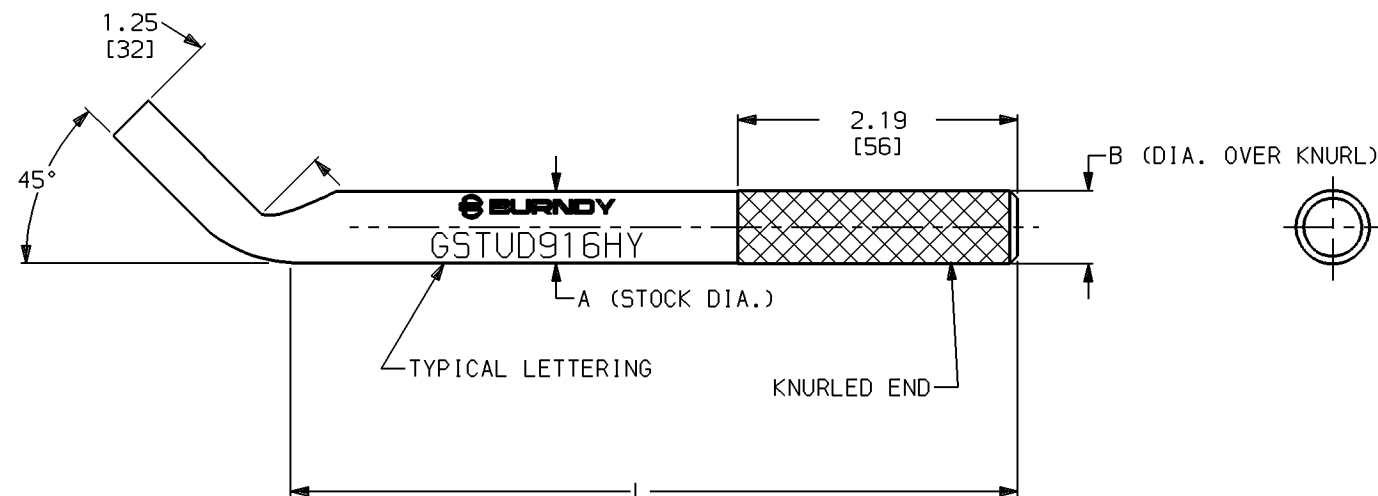
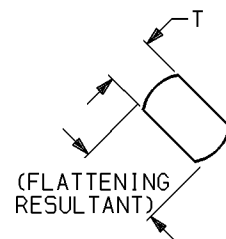


| REV. | DATE    | DESCRIPTION                            | BY  | C'D. |
|------|---------|----------------------------------------|-----|------|
| 5    | 8/24/92 | REDRAWN TO CAD PER D.O. 52314          | JEL | RER  |
| 6    | 9-21-93 | ADDED METRIC CABLE SIZES PER PCN 1436. | RER | KW   |

STRUCTURAL STEEL

GSTUD--HY WELDED TO  
STEEL STRUCTURECLOSED HOLE OF  
CONNECTOR INSTALLED  
ON GSTUD--HYCONDUCTOR INSTALLED IN  
OPEN CONDUCTOR GROOVE

4

| CATALOG<br>NUMBER | A             | B             | L             | T            | USE WITH COMPRESSION<br>CONNECTOR SHOWN<br>BELOW (NOT INCLUDED) | TYPICAL SHORT<br>CIRCUIT CURRENTS<br>AND TIMES TO FUSE | EQUIVALENT<br>SIZE COPPER<br>CONDUCTOR |
|-------------------|---------------|---------------|---------------|--------------|-----------------------------------------------------------------|--------------------------------------------------------|----------------------------------------|
| GSTUD14HY         | .25<br>[6.4]  | .26<br>[6.6]  | 4.81<br>[122] | .19<br>[5]   | YGHP2C2, YGHP29C2<br>YGHP34C2                                   | 0.5 SEC.-5,200 AMPS<br>3.0 SEC.-2,100 AMPS             | #6 [13mm <sup>2</sup> ]                |
| GSTUD38HY         | .38<br>[9.7]  | .39<br>[10]   | 5.81<br>[148] | .25<br>[6.4] | YGHP29C26<br>YGHP34C26                                          | 0.5 SEC.-11,300 AMPS<br>3.0 SEC.-4,600 AMPS            | #3 [25mm <sup>2</sup> ]                |
| GSTUD916HY        | .56<br>[14.2] | .57<br>[14.5] | 5.68<br>[144] | .38<br>[10]  | YGHP29C29<br>YGHP34C29                                          | 0.5 SEC.-26,300 AMPS<br>3.0 SEC.-10,700 AMPS           | 1/0 [50mm <sup>2</sup> ]               |
| GSTUD34HY         | .75<br>[19]   | .76<br>[19.3] | 5.81<br>[148] | .51<br>[13]  | YGHP34C34                                                       | 0.5 SEC.-46,500 AMPS<br>3.0 SEC.-19,000 AMPS           | 4/0 [95mm <sup>2</sup> ]               |

## NOTES:

1. MATERIAL: LOW CARBON HOT ROLLED STEEL
2. FINISH: COPPER PLATED
3. ALL DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.

4 THE CATALOG NUMBERS ARE FOR ELECTRO-COPPER PLATED STUDS. FOR ELECTRO-TIN PLATED STUDS ADD THE SUFFIX "TN" TO THE CATALOG NUMBER.-EXAMPLE: GSTUD34HY-TN IS THE CATALOG NUMBER FOR A 3/4" DIA. ELECTRO-TIN PLATED STUD CONNECTOR.

## STUD, STRUCTURAL STEEL GROUNDING

|                                                    |                               |
|----------------------------------------------------|-------------------------------|
| CAT NO: GSTUD--HY (SEE TABLE)                      | SCALE<br>N/A                  |
| DRAWN: AJM                                         | CHECKED: CAR 5/22/84          |
| DSGN APPVL: ESR 5/22/84                            | MFG APPVL: -----              |
| Q.A. APPVL: A. LLOYD 8/18/92                       | MKTG APPVL: T. NELSON 9/10/92 |
| CAD FILE: SD86414-SHT01                            | PM REF: N/A                   |
| MDL REF: N/A                                       | PROJECT, D.O. 50117           |
| FRAMATOME CONNECTORS USA INC.<br>BURNDY ELECTRICAL | DRAWING NO.<br>SD86414        |
| MANCHESTER, NH 03108<br>U. S. A.                   | REV<br>6                      |
|                                                    | SHEET 1 OF 1                  |