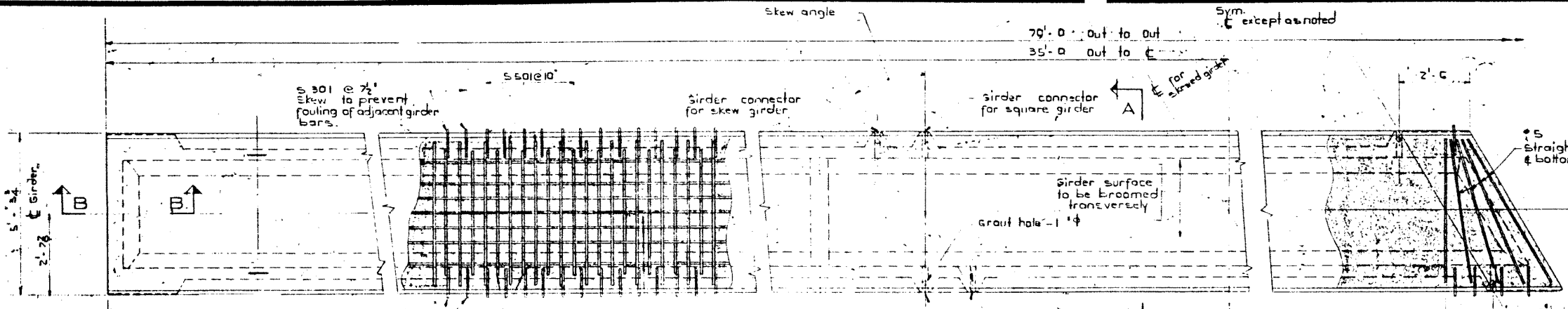
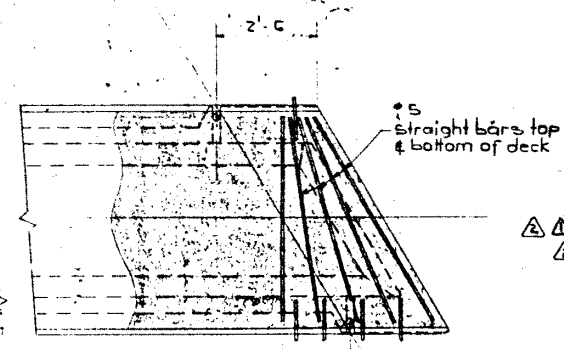


Stew angle 70'-0" Out to Out 35'-0" Out to Out Sym. except as noted



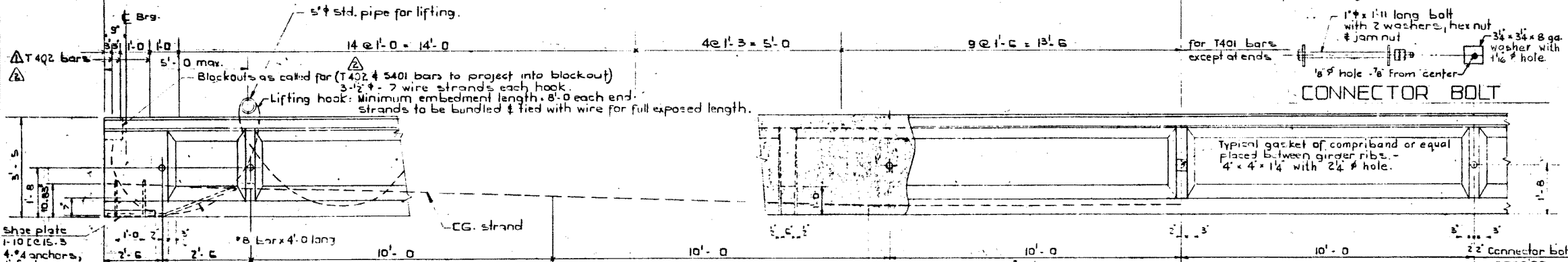
PLAN Scale 1/2" = 1'-0"



SKEW END Scale 1/2" = 1'-0"

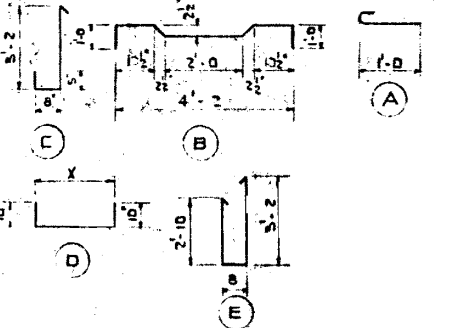
| BAR LIST For unskewed Girder |      |     |       |        |            |       |
|------------------------------|------|-----|-------|--------|------------|-------|
| MARK                         | SIZE | NO. | CLASS | LENGTH | WEIGHT     |       |
| S 301                        | 3/8" | 224 | A     | 1'-6"  | 126        |       |
| S 401                        | 4/8" | 21  | Wr.   | 24'-0" | 337        |       |
| S 402                        | 4/8" | 84  | B     | 6'-4"  | 355        |       |
| S 501                        | 5/8" | 170 | Wr.   | 4'-9"  | 349        |       |
| T 401                        | 4/8" | 110 | C     | 4'-9"  | 35         |       |
| D 601                        | 6/8" | 4   | D     | 4'-2"  | 40         |       |
| D 602                        | 6/8" | 4   | D     | 5'-0"  | 61         |       |
| T 402                        | 4/8" | 12  | E     | 7'-6"  | 35         |       |
| T 601                        | 6/8" | 8   | Str.  | 2'-11" | 35         |       |
|                              |      |     |       |        | Total lbs: | 2,145 |
|                              |      |     |       |        |            | 2,180 |

BAR TYPES: (All bar dimensions are out to out)

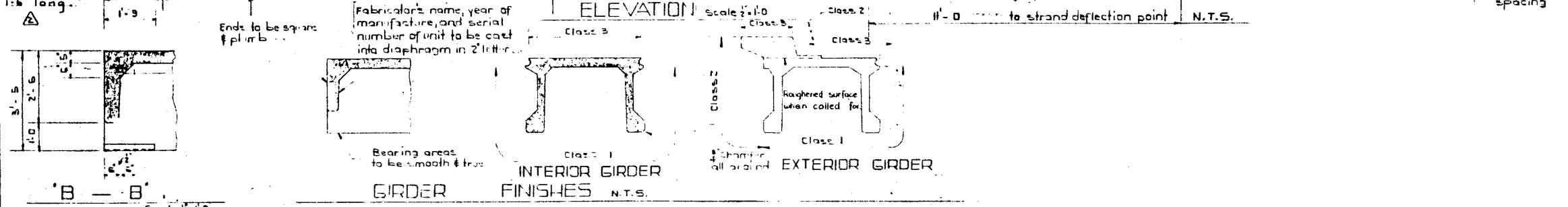


ELEVATION Scale 1/2" = 1'-0"

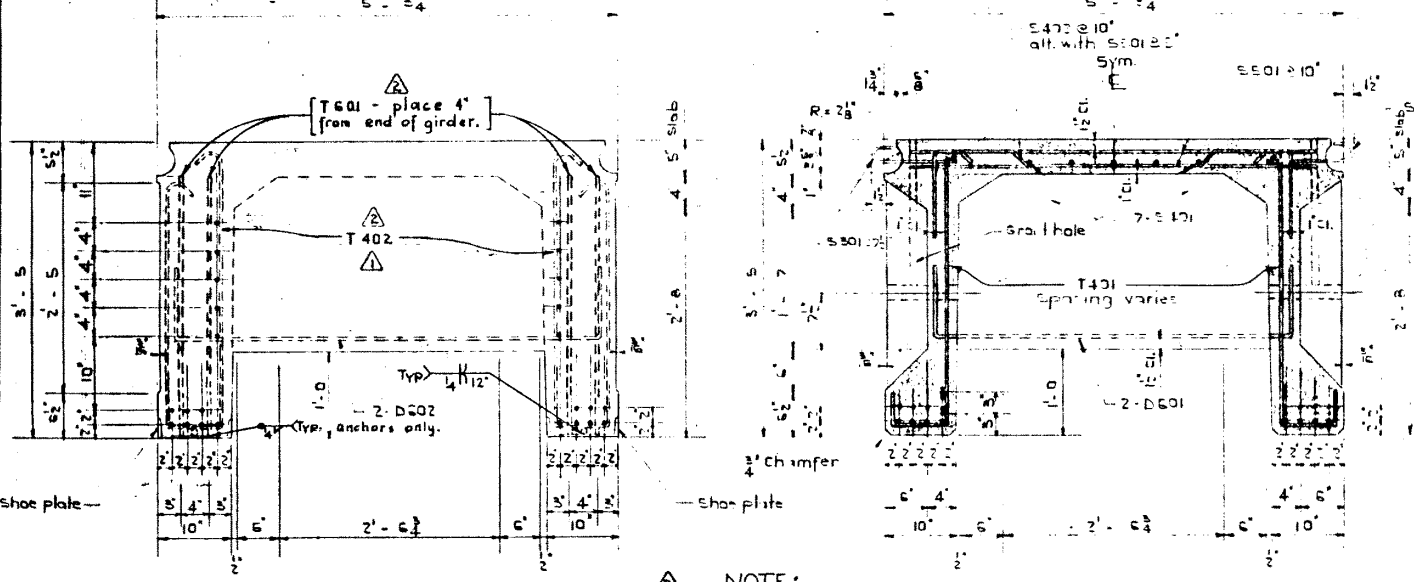
CONNECTOR BOLT Scale 1/2" = 1'-0"



GENERAL NOTES: DESIGN A.A.S.H.O. 1961 Specification Loading: 0.97 of one wheel line of an H20-S16-44 truck plus full dead load plus 2" wearing surface



GIRDER FINISHES N.T.S.



END VIEW Scale 1" = 1'-0"

NOTE: 24 - 1/2" #7 wire strand, required per girder

"A - A" Scale 1" = 1'-0"

MATERIALS Concrete shall be of standard weight aggregate with a maximum size of 3/4". Minimum compressive strength shall be 5000 p.s.i. at 28 days. Entrained air shall be not less than 5%. Prestressing steel is 1/2" #7 wire strand. FABRICATION Reinforcement: Diameters of all bends shall conform to the recommended sizes and all hooks, unless otherwise noted shall conform to the recommended sizes detailed in the A.C.I. Manual of Standard Practice for Detailing Reinforced Concrete Structures. Prestressing steel: Initial tensioning load: 25.2% strand Design Load: 20.2% strand Concrete must attain 4000 p.s.i. compressive strength before the prestressing force is transferred.

Units are to conform to the requirements of the Alberta Bridge Branch Specifications for the Manufacture of Prestressed Concrete Bridge Units.

ERECTION Lifting force at each hook must be vertical at all times. Girder surface must be even at all times.

**SUPERSEDED**

PRESTRESSED CONCRETE 70=0 TYPE FC GIRDER

Superseded by Dwg. 9881.

| NO. | DATE      | DESCRIPTION          | BY     |
|-----|-----------|----------------------|--------|
| 1   | Oct 3/64  | No. of strands added | V.G.B. |
| 2   | July 2/64 | End block rebar      | D.H.R. |
| 3   | June 2/64 | End block rebar      | D.H.R. |

|   |          |       |          |
|---|----------|-------|----------|
| GOVERNMENT OF THE PROVINCE OF ALBERTA. DEPARTMENT OF HIGHWAYS BRIDGE BRANCH, EDMONTON |          |       |          |
| FILE NO.  | HWY. NO. | SCALE | DWG. NO. |
| LOCATION  | SCALE    | SHEET | OF 5-854 |
| STREAM  |          |       |          |

DESIGNED BY L. Kehlmann  
DATE February 1964  
CHECKED BY  
DATE