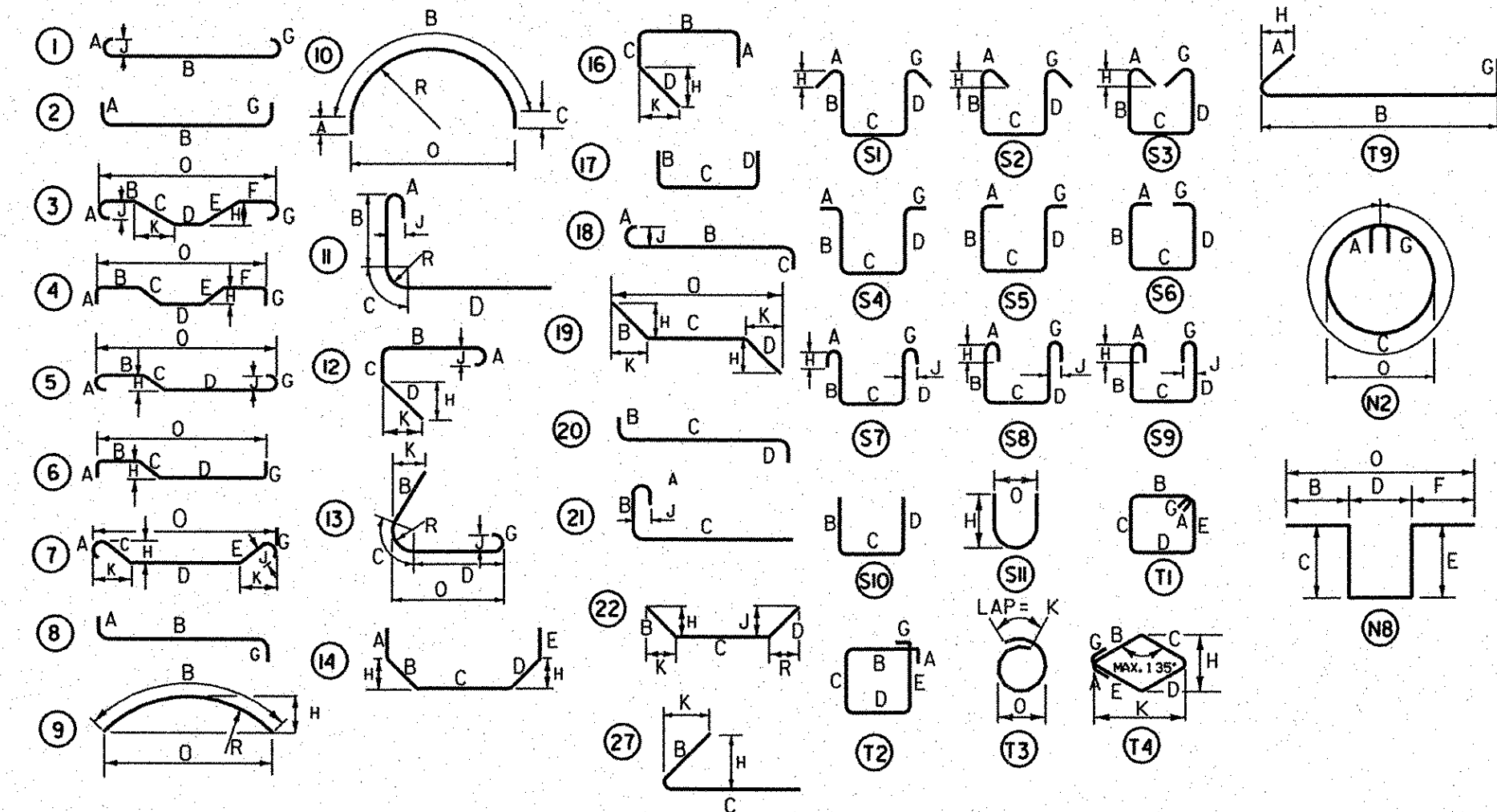




**NOTES:**

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 57M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615-S1), ALL BARS SHALL BE GRADE 420 UNLESS OTHERWISE DESIGNATED.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.

**LEGEND:**

- ▲ DENOTES BARS TO BE CUT IN THE FIELD.
- \* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
- △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
- "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.
- "S" IN PREFIX DENOTES STAINLESS REINFORCING STEEL

"XAMXXX" DENOTES VT279 NB ABUTMENT

\*XAFXXXX\* DENOTES VT279 SB ABUTMENT

"XAAXXXX" DENOTES RAMP A ABUTMENT

'XADXXX' DENOTES RAMP D ABUTMENT

| ASTM STANDARD<br>REINFORCING BARS |                           |                                  |                                            |                   |
|-----------------------------------|---------------------------|----------------------------------|--------------------------------------------|-------------------|
| BAR<br>SIZE<br>DESIG-<br>NATION   | NOMINAL<br>MASS<br>(Kg/m) | NOMINAL DIMENSIONS ROUND SECTION |                                            |                   |
|                                   |                           | DIAMETER<br>(mm)                 | CROSS SECTIONAL AREA<br>(mm <sup>2</sup> ) | PERIMETER<br>(mm) |
| 10                                | 0.560                     | 9.5                              | 71                                         | 29.84             |
| 13                                | 0.994                     | 12.7                             | 129                                        | 39.90             |
| 16                                | 1.552                     | 15.9                             | 199                                        | 49.95             |
| 19                                | 2.235                     | 19.1                             | 284                                        | 60.00             |
| 22                                | 3.042                     | 22.2                             | 387                                        | 69.74             |
| 25                                | 3.973                     | 25.4                             | 510                                        | 79.80             |
| 29                                | 5.060                     | 28.7                             | 645                                        | 90.16             |
| 32                                | 6.404                     | 32.3                             | 819                                        | 101.47            |
| 36                                | 7.907                     | 35.8                             | 1006                                       | 112.47            |
| 43                                | 11.380                    | 43.0                             | 1452                                       | 135.09            |
| 57                                | 20.240                    | 57.3                             | 2581                                       | 180.01            |

# STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of BENNINGTON

|            |      |
|------------|------|
| Bridge No. | BI5N |
|------------|------|

Highway No. VT RTF 279

|           |
|-----------|
| Log Sta.  |
| Surv Sta. |

VT ROUTE 279 & RAMPS OVER ROARING BRANCH OF WALLOOMSAC RIVER

**REINFORCING STEEL SCHEDULE (SHEET 5 OF 6)**

Designed By M.D. BOWER

|                     |
|---------------------|
| Drawn By R.G. COCOL |
|---------------------|

|            |      |
|------------|------|
| Checked By | Date |
|------------|------|

|                          |
|--------------------------|
| Bridge Design Supervisor |
|--------------------------|

|              |       |
|--------------|-------|
| B.J. CARLSON | 06/08 |
| PROJECT      |       |

WOJTKOWSKI Date 06

PROJECT BENNINGTON

PROJECT NO.  
AC NH 019-1(51)

TVGA CAD Drawing No. SteelSch.dgn

|   |                 |
|---|-----------------|
|   | AS NHGIS RSH    |
| n | Date 02/02/2009 |

Bridge Sheet No. BR318

Sheet 305 of 367

**TVGA**  
CONSULTANTS