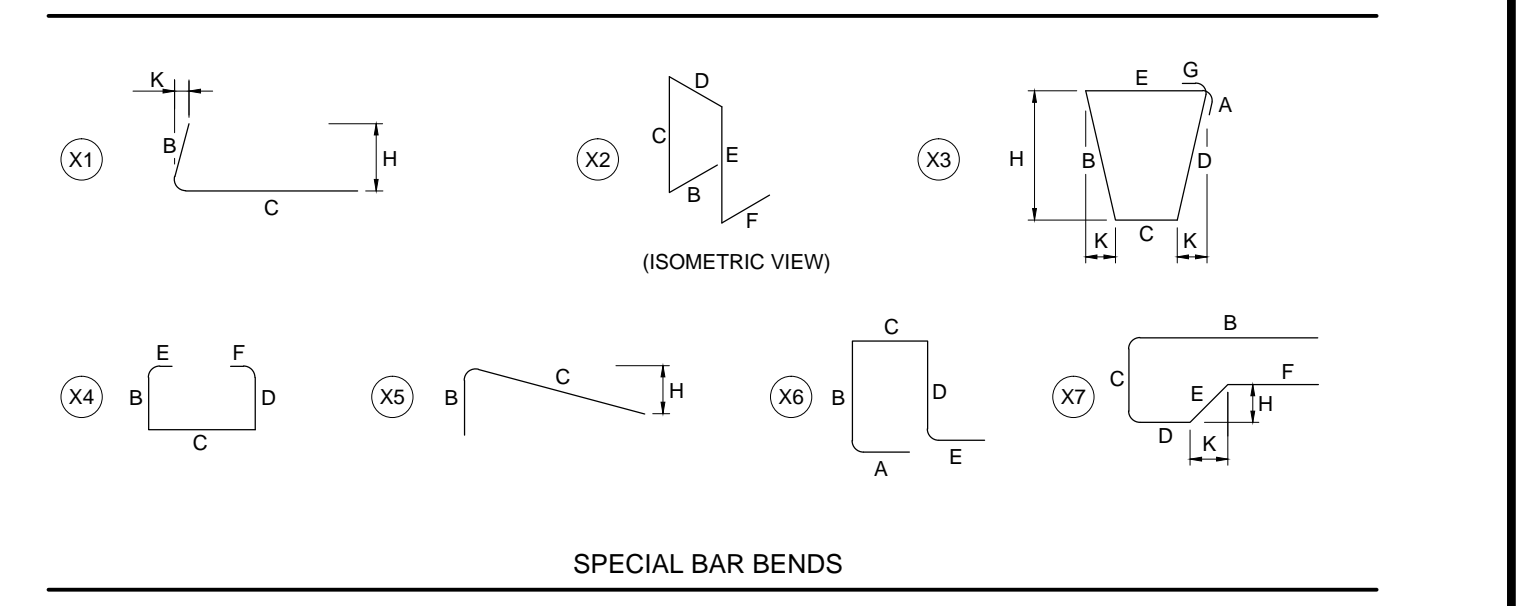
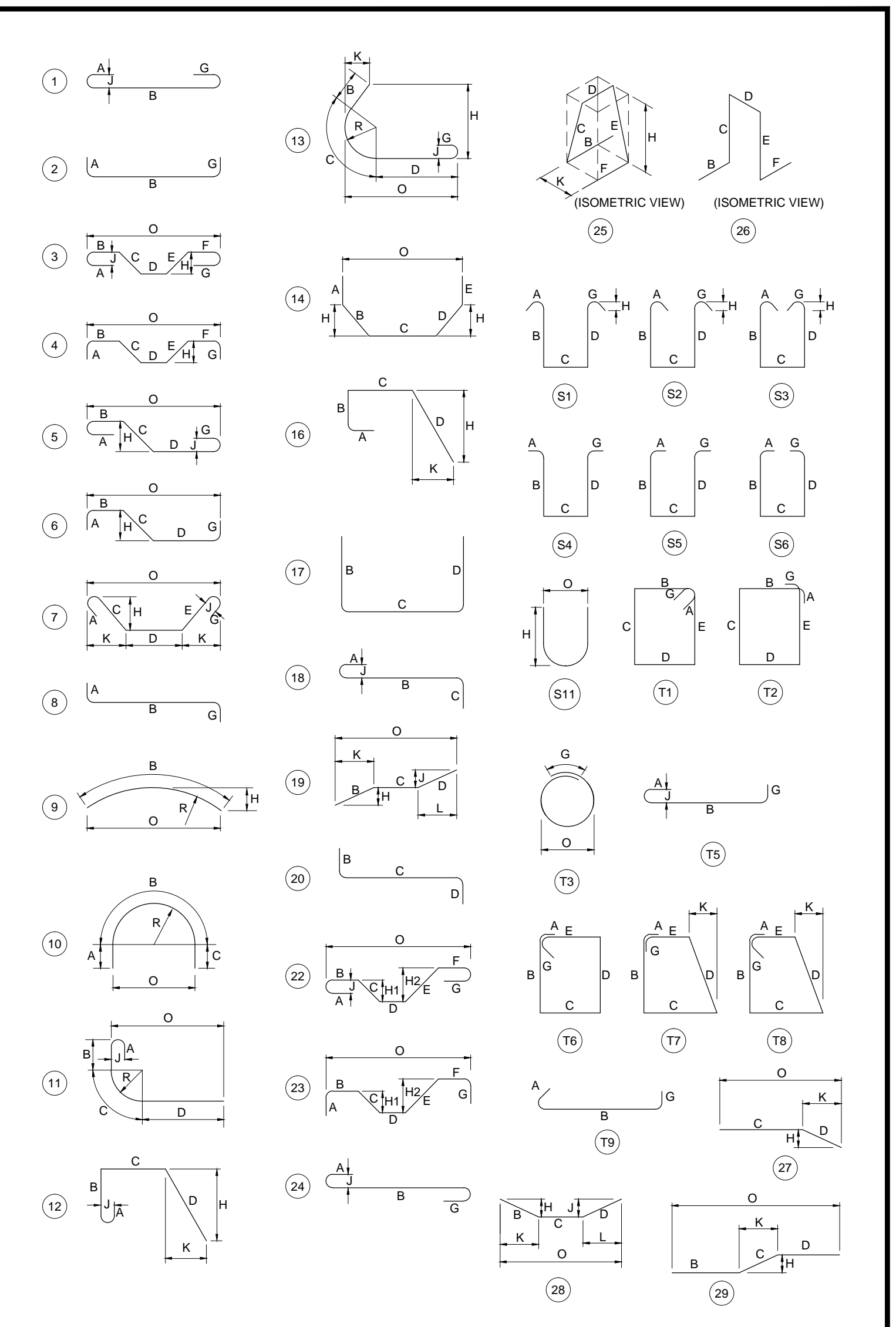


| MARK NO. | NO. BARS | SIZE | LENGTH | TYPE | A | B | C | D | E | F | G | H | J | K | O | R | SHAPE | MASS kg |
|--|----------|------|--------|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|---|---|-----------------|---------|
| APPROACH SLAB | | | | | | | | | | | | | | | | | | |
| (QUANTITIES ARE FOR ONE APPROACH SLAB - SUPPLY TWO THUS) | | | | | | | | | | | | | | | | | | |
| S1601S | 147 | 16 | 3800 | ST | | | | | | | | | | | | | | 877.0 |
| S1602S | 47 | 16 | 12000 | ST | | | | | | | | | | | | | | 885.5 |
| S1603S | 47 | 16 | 5000 | ST | | | | | | | | | | | | | | 369.0 |
| S1604S | 126 | 16 | 1500 | 17 | | 300 | 900 | 300 | | | | | | | | | | 296.7 |
| S1605S | 63 | 16 | 1625 | 20 | | 600 | 525 | 500 | | | | | | | | | | 160.7 |
| S1606S | 52 | 16 | 2690 | 17 | | 370 | 2320 | | | | | | | | | | | 219.6 |
| S1607S | 28 | 16 | 2480 | X5 | | 180 | 2300 | | | | | 45 | | | | | | 109.0 |
| S1608S | 52 | 16 | 1400 | 29 | | 600 | 200 | 600 | | | | 120 | | 160 | | | | 114.3 |
| S1609S | 28 | 16 | 1415 | 16 | | 275 | 540 | 600 | | | | 600 | | 10 | | | | 62.2 |
| S1610S | 18 | 16 | 2215 | X7 | | 600 | 430 | 395 | 190 | 600 | | 140 | | 140 | | | | 62.6 |
| S1611S | 18 | 16 | 2035 | X7 | | 600 | 450 | 200 | 185 | 600 | | 130 | | 130 | | | | 57.5 |
| S1612S | 48 | 16 | 3085 | X6 | 650 | 820 | 170 | 795 | 650 | | | | | | | | | 232.5 |
| S2501S | 93 | 25 | 4360 | 1 | 280 | 3800 | | | | | 280 | | 200 | | | | | 1,591.5 |
| TOTAL MASS FOR ONE APPROACH SLAB (kg) | | | | | | | | | | | | | | | | | 5,038.1 | |
| TOTAL MASS FOR TWO APPROACH SLABS (kg) | | | | | | | | | | | | | | | | | 10,076.2 | |
| CONCRETE BARRIER | | | | | | | | | | | | | | | | | | |
| (QUANTITIES ARE FOR ONE CONCRETE BARRIER - SUPPLY TWO THUS) | | | | | | | | | | | | | | | | | | |
| B1001S | 45 | 10 | 670 | 17 | | 250 | 170 | 250 | | | | | | | | | | 23.7 |
| B1601S | 68 | 16 | 2160 | T2 | 170 | 170 | 700 | 170 | 700 | 250 | | | | | | | | 230.6 |
| B1602S | 18 | 16 | 600 | ST | | | | | | | | | | | | | | 17.0 |
| B1603S | 16 | 16 | 3810 | ST | | | | | | | | | | | | | | 95.7 |
| B1604S | 16 | 16 | 3840 | ST | | | | | | | | | | | | | | 96.5 |
| B1605S | 24 | 16 | 2890 | ST | | | | | | | | | | | | | | 108.9 |
| B2501S | 21 | 25 | 600 | ST | | | | | | | | | | | | | | 49.5 |
| TOTAL MASS FOR ONE CONCRETE BARRIER (kg) | | | | | | | | | | | | | | | | | 621.9 | |
| TOTAL MASS FOR TWO CONCRETE BARRIERS (kg) | | | | | | | | | | | | | | | | | 1,243.8 | |

| MARK NO. | NO. BARS | SIZE | LENGTH | TYPE | A | B | C | D | E | F | G | H | J | K | O | R | SHAPE | MASS kg |
|---|----------|------|--------|------|-----|-----|------|-----|-----|---|-----|---|---|---|---|---|-----------------|---------|
| TRANSITION SLAB | | | | | | | | | | | | | | | | | | |
| (QUANTITIES ARE FOR ONE TRANSITION SLAB - SUPPLY TWO THUS) | | | | | | | | | | | | | | | | | | |
| T1601S | 44 | 16 | 12000 | ST | | | | | | | | | | | | | | 829.0 |
| T1602S | 22 | 16 | 5500 | ST | | | | | | | | | | | | | | 190.0 |
| T1603S | 122 | 16 | 6350 | ST | | | | | | | | | | | | | | 1,216.3 |
| T1604S | 22 | 16 | 3750 | ST | | | | | | | | | | | | | | 129.5 |
| T1605S | 22 | 16 | 1575 | 17 | | 600 | 375 | 600 | | | | | | | | | | 54.4 |
| T1606S | 22 | 16 | 1065 | 17 | | 465 | 600 | | | | | | | | | | | 36.8 |
| T1607S | 22 | 16 | 2510 | 17 | | 190 | 2320 | | | | | | | | | | | 86.7 |
| T1608S-01 | 21 | 16 | 3265 | X6 | 650 | 910 | 170 | 885 | 650 | | | | | | | | | 107.6 |
| T1608S-02 | 1 | 16 | 3205 | X6 | 650 | 880 | 170 | 855 | 650 | | | | | | | | | 5.0 |
| T1608S-03 | 1 | 16 | 3165 | X6 | 650 | 860 | 170 | 835 | 650 | | | | | | | | | 5.0 |
| T1608S-04 | 1 | 16 | 3125 | X6 | 650 | 840 | 170 | 815 | 650 | | | | | | | | | 4.9 |
| T1608S-05 | 1 | 16 | 3085 | X6 | 650 | 820 | 170 | 795 | 650 | | | | | | | | | 4.8 |
| T1608S-06 | 1 | 16 | 3045 | X6 | 650 | 800 | 170 | 775 | 650 | | | | | | | | | 4.8 |
| T1608S-07 | 1 | 16 | 2995 | X6 | 650 | 775 | 170 | 750 | 650 | | | | | | | | | 4.7 |
| T1608S-08 | 1 | 16 | 2955 | X6 | 650 | 755 | 170 | 730 | 650 | | | | | | | | | 4.6 |
| T1608S-09 | 1 | 16 | 2915 | X6 | 650 | 735 | 170 | 710 | 650 | | | | | | | | | 4.6 |
| T1608S-10 | 1 | 16 | 2875 | X6 | 650 | 715 | 170 | 690 | 650 | | | | | | | | | 4.5 |
| T1608S-11 | 1 | 16 | 2825 | X6 | 650 | 690 | 170 | 665 | 650 | | | | | | | | | 4.4 |
| T1608S-12 | 1 | 16 | 2785 | X6 | 650 | 670 | 170 | 645 | 650 | | | | | | | | | 4.4 |
| T1608S-13 | 1 | 16 | 2745 | X6 | 650 | 650 | 170 | 625 | 650 | | | | | | | | | 4.3 |
| T1608S-14 | 1 | 16 | 2705 | X6 | 650 | 630 | 170 | 605 | 650 | | | | | | | | | 4.2 |
| T1608S-15 | 1 | 16 | 2675 | X6 | 650 | 615 | 170 | 590 | 650 | | | | | | | | | 4.2 |
| T1609S-01 | 21 | 16 | 2160 | T2 | 170 | 170 | 700 | 170 | 700 | | 250 | | | | | | | 71.2 |
| T1609S-02 | 1 | 16 | 2140 | T2 | 170 | 170 | 690 | 170 | 690 | | 250 | | | | | | | 3.4 |
| T1609S-03 | 1 | 16 | 2120 | T2 | 170 | 170 | 680 | 170 | 680 | | 250 | | | | | | | 3.3 |
| T1609S-04 | 1 | 16 | 2080 | T2 | 170 | 170 | 660 | 170 | 660 | | 250 | | | | | | | 3.3 |
| T1609S-05 | 1 | 16 | 2040 | T2 | 170 | 170 | 640 | 170 | 640 | | 250 | | | | | | | 3.2 |
| T1609S-06 | 1 | 16 | 2000 | T2 | 170 | 170 | 620 | 170 | 620 | | 250 | | | | | | | 3.1 |
| T1609S-07 | 1 | 16 | 1950 | T2 | 170 | 170 | 595 | 170 | 595 | | 250 | | | | | | | 3.1 |
| T1609S-08 | 1 | 16 | 1910 | T2 | 170 | 170 | 575 | 170 | 575 | | 250 | | | | | | | 3.0 |
| T1609S-09 | 1 | 16 | 1870 | T2 | 170 | 170 | 555 | 170 | 555 | | 250 | | | | | | | 2.9 |
| T1609S-10 | 1 | 16 | 1820 | T2 | 170 | 170 | 530 | 170 | 530 | | 250 | | | | | | | 2.9 |
| T1609S-11 | 1 | 16 | 1780 | T2 | 170 | 170 | 510 | 170 | 510 | | 250 | | | | | | | 2.8 |
| T1609S-12 | 1 | 16 | 1740 | T2 | 170 | 170 | 490 | 170 | 490 | | 250 | | | | | | | 2.7 |
| T1609S-13 | 1 | 16 | 1700 | T2 | 170 | 170 | 470 | 170 | 470 | | 250 | | | | | | | 2.7 |
| T1609S-14 | 1 | 16 | 1660 | T2 | 170 | 170 | 450 | 170 | 450 | | 250 | | | | | | | 2.6 |
| T1609S-15 | 1 | 16 | 1620 | T2 | 170 | 170 | 430 | 170 | 430 | | 250 | | | | | | | 2.5 |
| T1609S-16 | 1 | 16 | 1570 | T2 | 170 | 170 | 405 | 170 | 405 | | 250 | | | | | | | 2.5 |
| T1609S-17 | 1 | 16 | 1530 | T2 | 170 | 170 | 385 | 170 | 385 | | 250 | | | | | | | 2.4 |
| T1609S-18 | 1 | 16 | 1480 | T2 | 170 | 170 | 360 | 170 | 360 | | 250 | | | | | | | 2.3 |
| T1610S | 6 | 16 | 6370 | ST | | | | | | | | | | | | | | 60.0 |
| TOTAL MASS FOR ONE TRANSITION SLAB (kg) | | | | | | | | | | | | | | | | | 2,894.6 | |
| (BARS FOR CUT-OFF WALL IN NORTH SLAB ONLY) | | | | | | | | | | | | | | | | | | |
| T1603S | 4 | 16 | 6350 | ST | | | | | | | | | | | | | | 39.9 |
| T1611S | 22 | 16 | 1080 | 17 | | 300 | 780 | | | | | | | | | | | 37.3 |
| T1612S | 22 | 16 | 780 | ST | | | | | | | | | | | | | | 26.9 |
| TOTAL MASS FOR TWO TRANSITION SLABS (kg) | | | | | | | | | | | | | | | | | 5,893.3 | |
| DWG TOTAL WEIGHT (kg) = | | | | | | | | | | | | | | | | | 17,199.1 | |



NOTES:

- ALL DIMENSIONS ARE OUT-TO-OUT OF A BAR EXCEPT 'A' AND 'G' ON STANDARD 180° AND 135° HOOKS.
- 'J' DIMENSION ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
- ON TRUSS BARS 'J' WILL BE KEPT EQUAL TO OR LESS THEN 'H'. WHERE 'J' CAN EXCEED 'H' IT SHOULD BE SHOWN.
- THE STIRRUPS 'H' DIMENSION SHOULD BE SHOWN ONLY WHERE NECESSARY TO FIT WITHIN CONCRETE.
- CRITICAL DIMENSIONS ARE TO BE IDENTIFIED WHERE BARS ARE TO BE BENT MORE ACCURATELY THAN STANDARD BENDING TOLERANCES.
- ON TYPE T3 'G' DIMENSION IS EQUAL TO CLASS C SPLICE.
- FIGURES SHOWN IN CIRCLES SHOW TYPES.
- ALL BAR BENDS OTHER THAN THE TYPES SHOWN ABOVE MUST BE DESIGNATED TYPE 'X'.

UNLESS OTHERWISE NOTED DIAMETER 'D' IS THE SAME FOR ALL HOOKS AND BENDS ON A BAR.

ENLARGED VIEW SHOWING BAR BENDING DETAILS

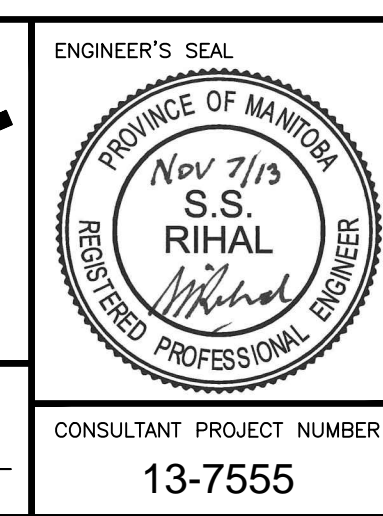
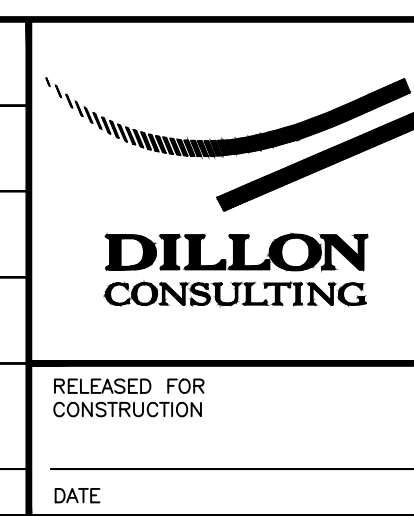
METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

G:\CAD\137555\09-Structural\01-Contract\137555-09-REINF-SCHE_2-CON.dwg



| | | |
|---------------------|----------------|---------------|
| B.M. ELEV. | DESIGNED BY | SSR |
| | DRAWN BY | NBG, CGC, MLA |
| | CHECKED BY | CDW |
| | APPROVED BY | MBL |
| | HOR. SCALE | AS SHOWN |
| | VERTICAL SCALE | AS SHOWN |
| 0 ISSUED FOR TENDER | 13/11/07 | SSR |
| NO. REVISIONS | DATE | BY |
| | 13/11/07 | |



THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

RECONSTRUCTION OF THE ST. JAMES STREET BRIDGE OVER OMAND'S CREEK

REINFORCING STEEL SCHEDULE - APPROACH SLABS, BARRIER & TRANSITION SLABS

CITY DRAWING NUMBER: B126-13- 26
SHEET: 26 OF 26
CONSULTANT DRAWING NUMBER

CONSULTANT PROJECT NUMBER: 13-7555