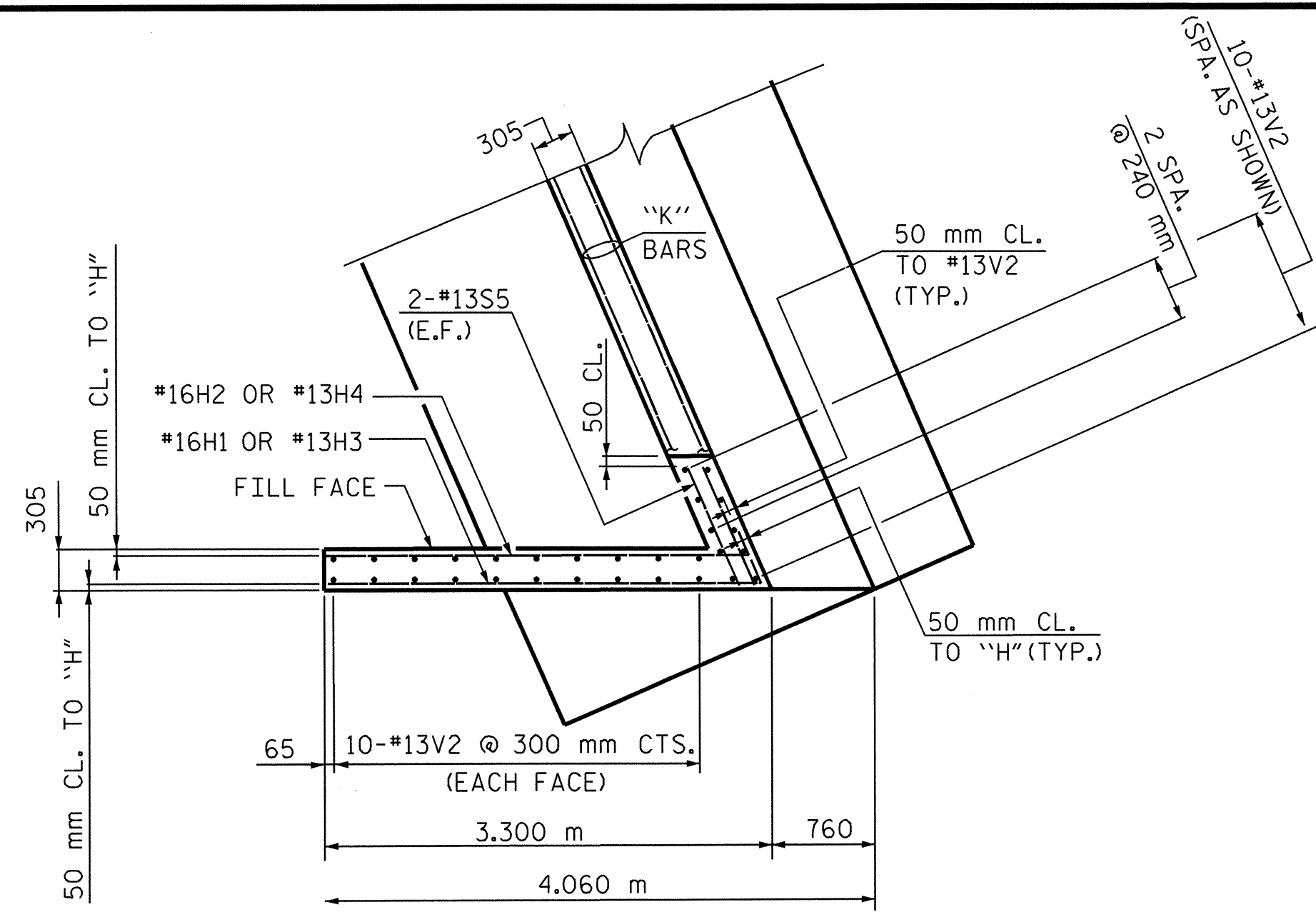
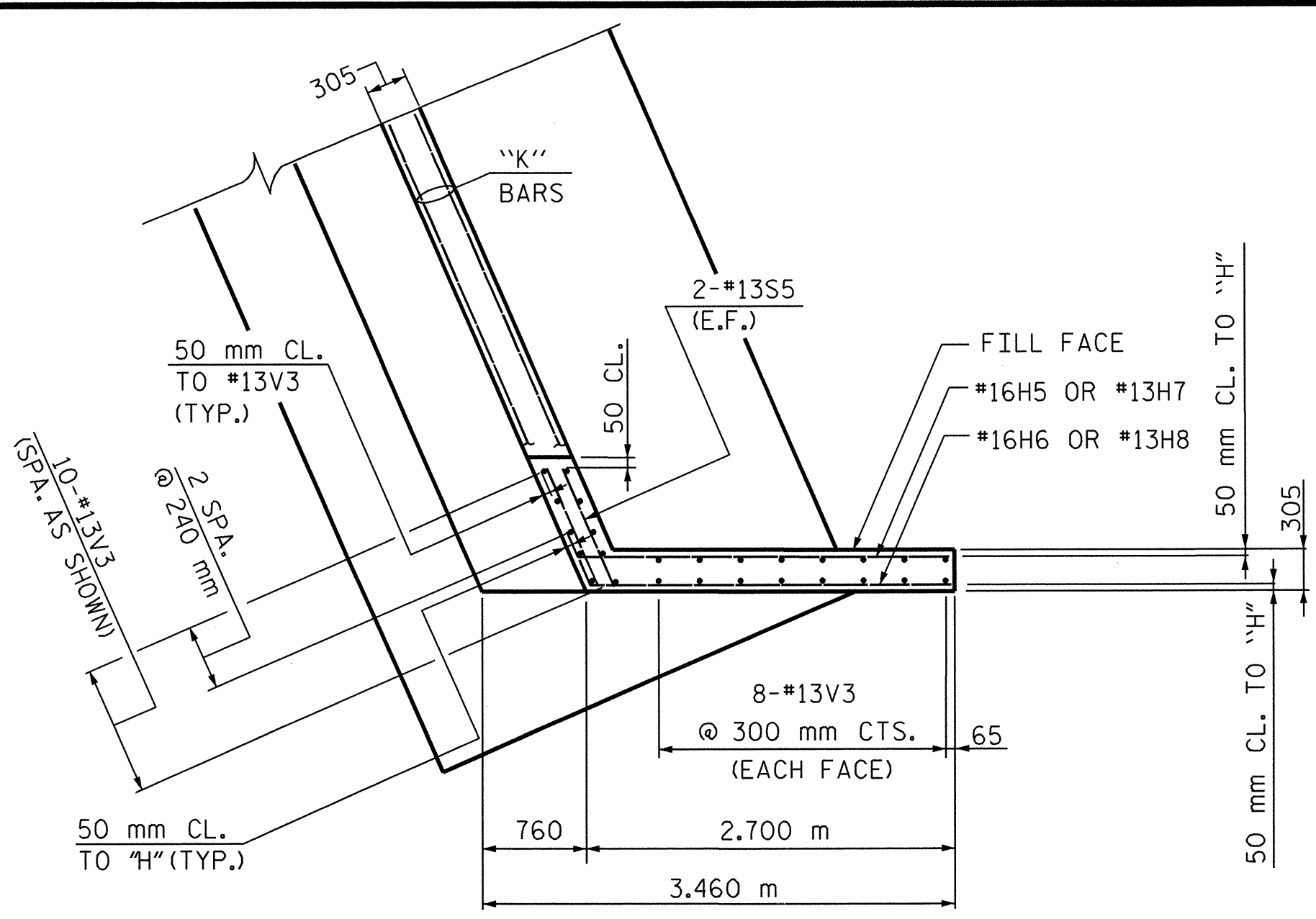


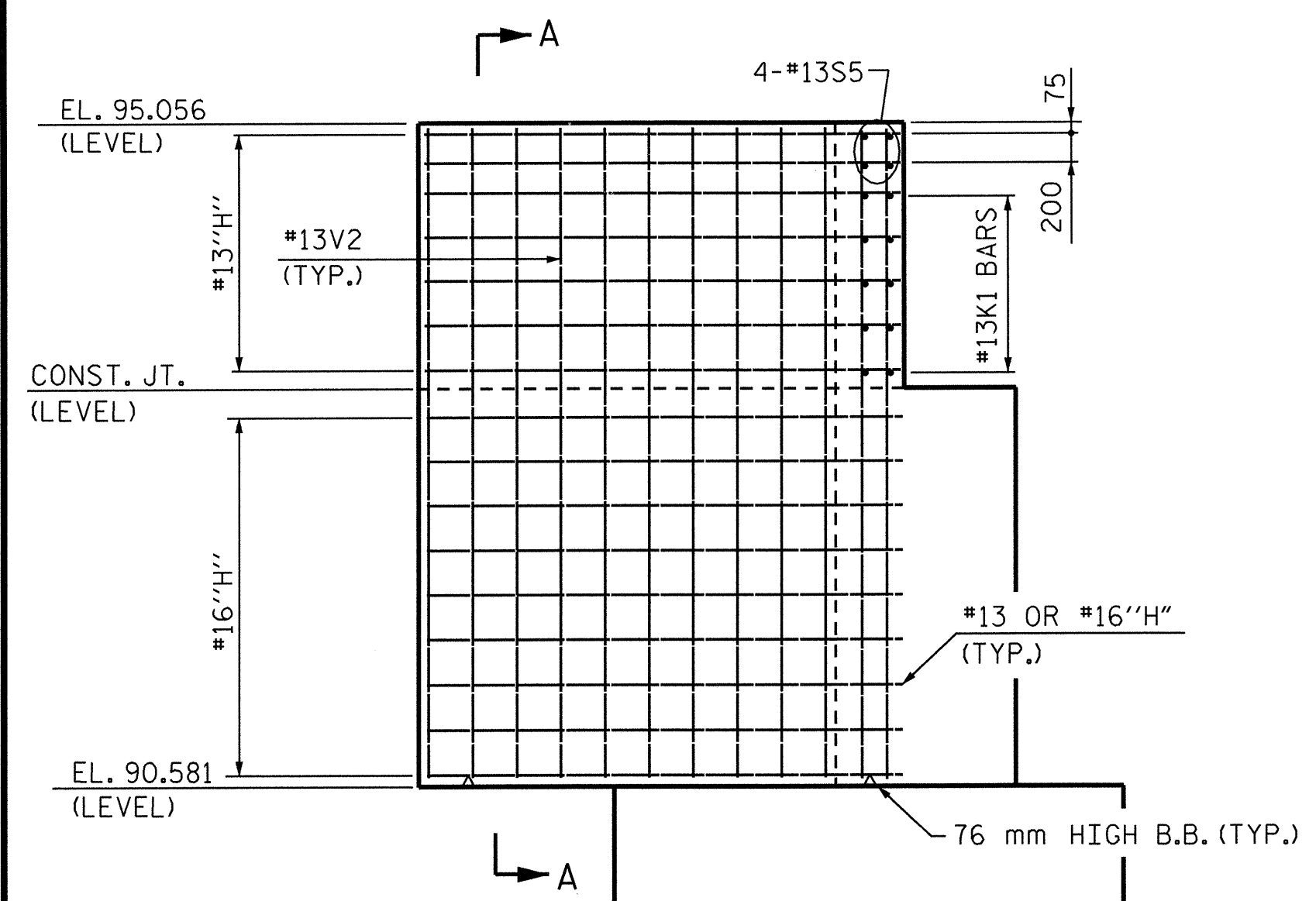
C:\COMMONS\304046\BRIDGE\SITE\DCG\FINAL\R2552AA_SD_EB23_01.DGN



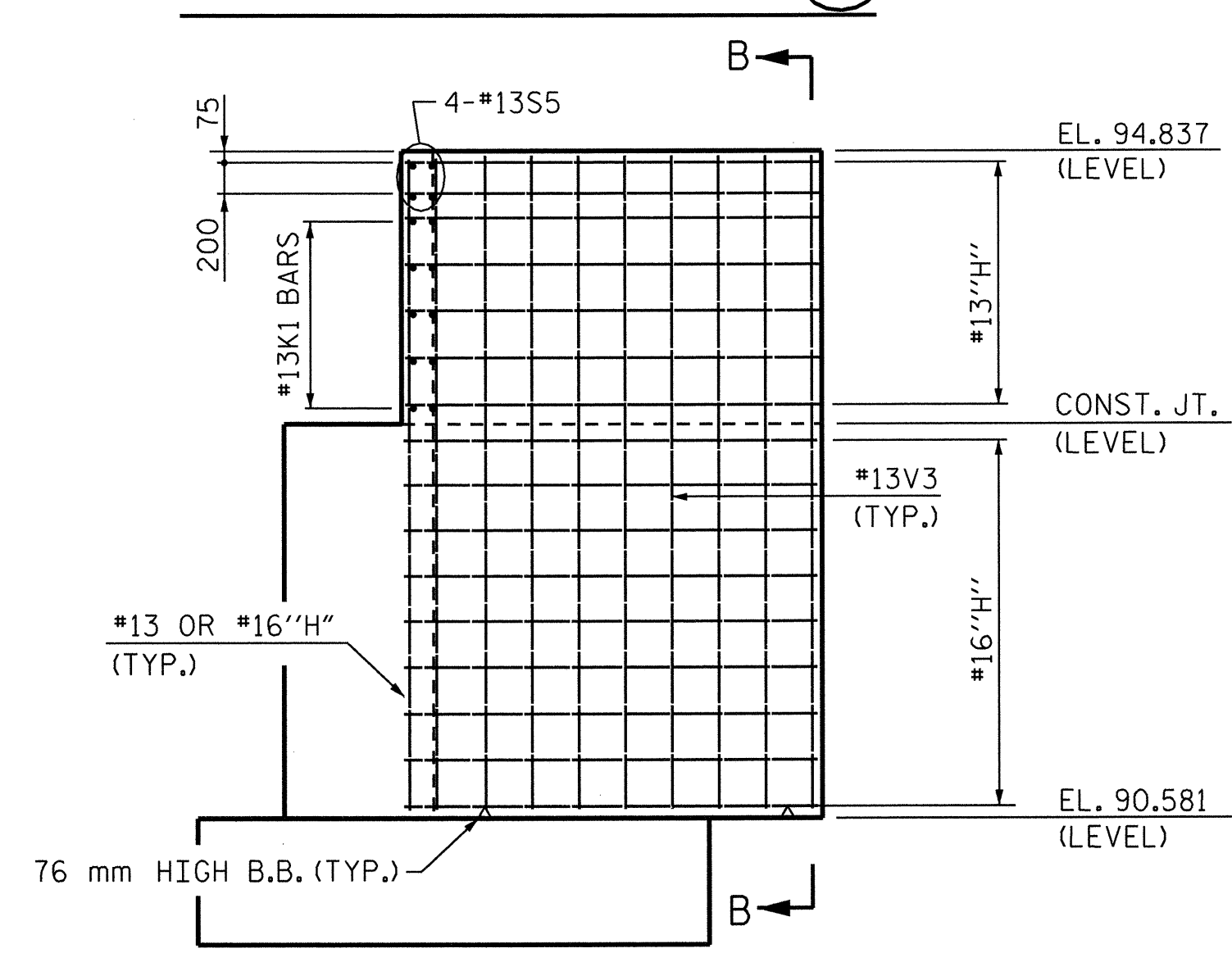
PLAN OF LEFT WING (W1)



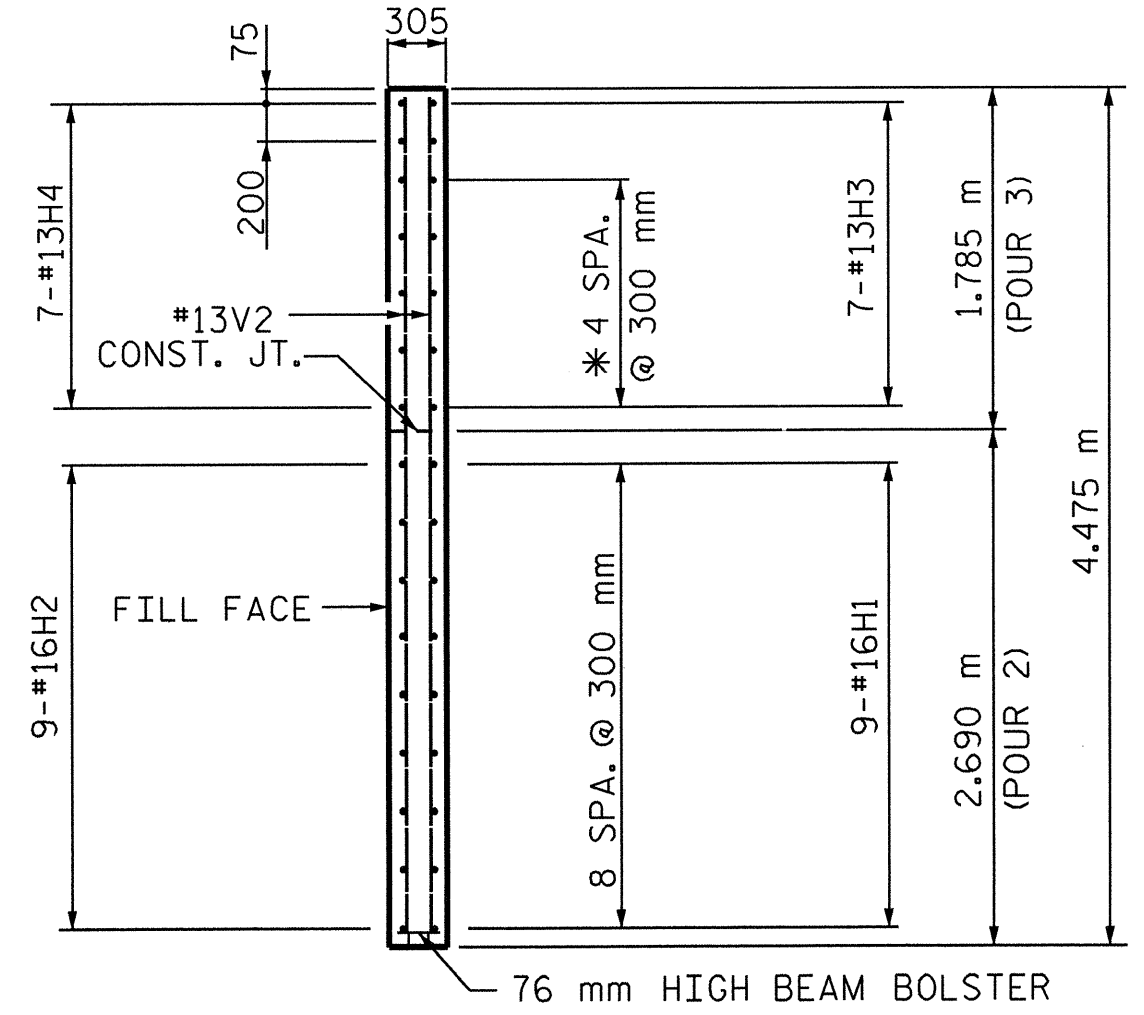
PLAN OF RIGHT WING (W2)



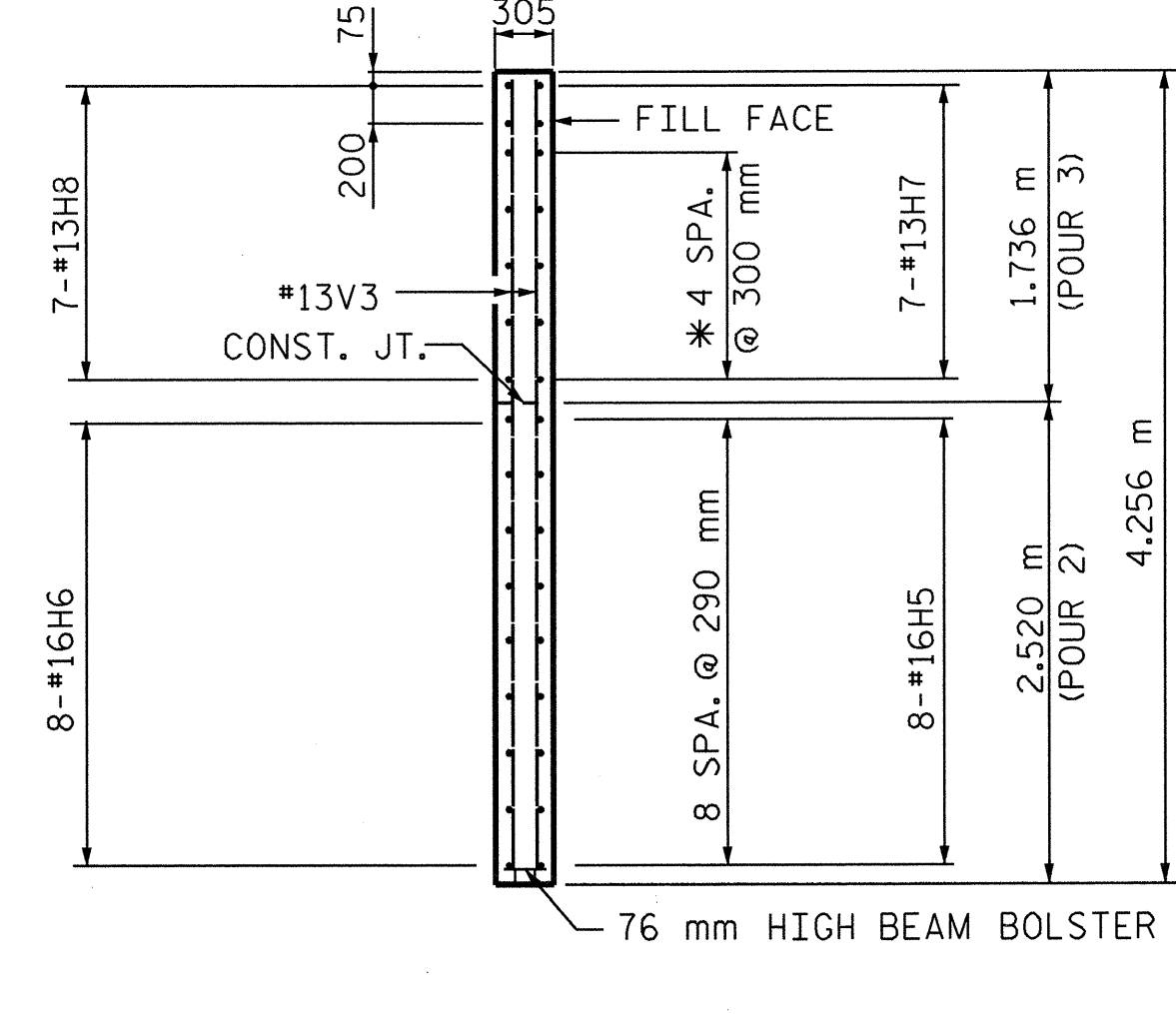
ELEVATION OF LEFT WING



ELEVATION OF RIGHT WING



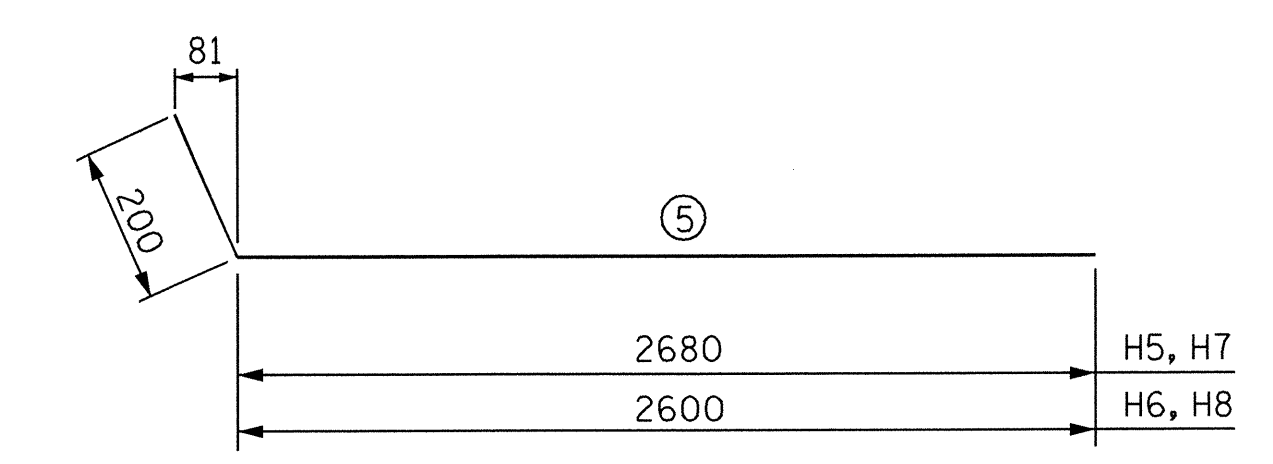
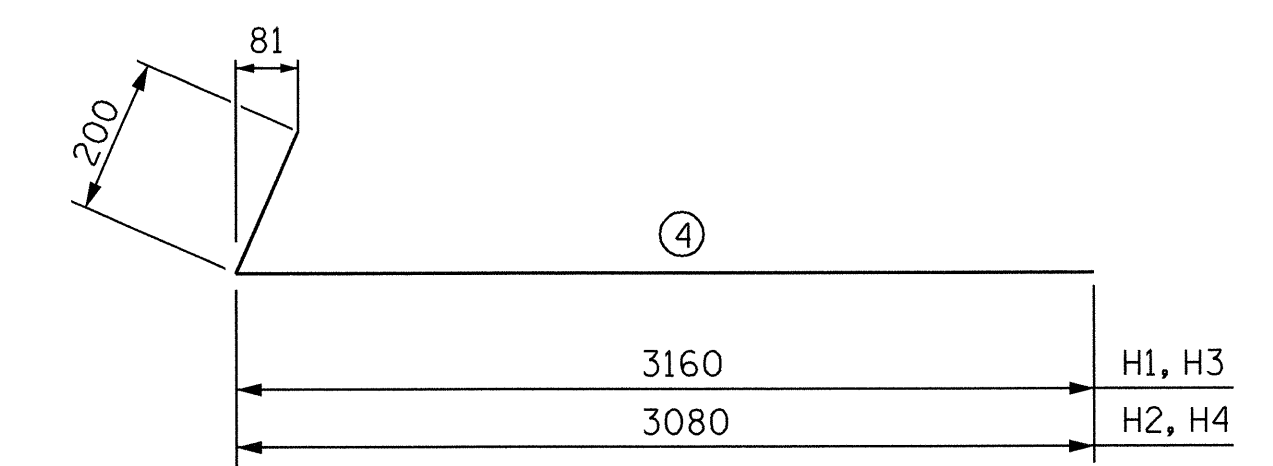
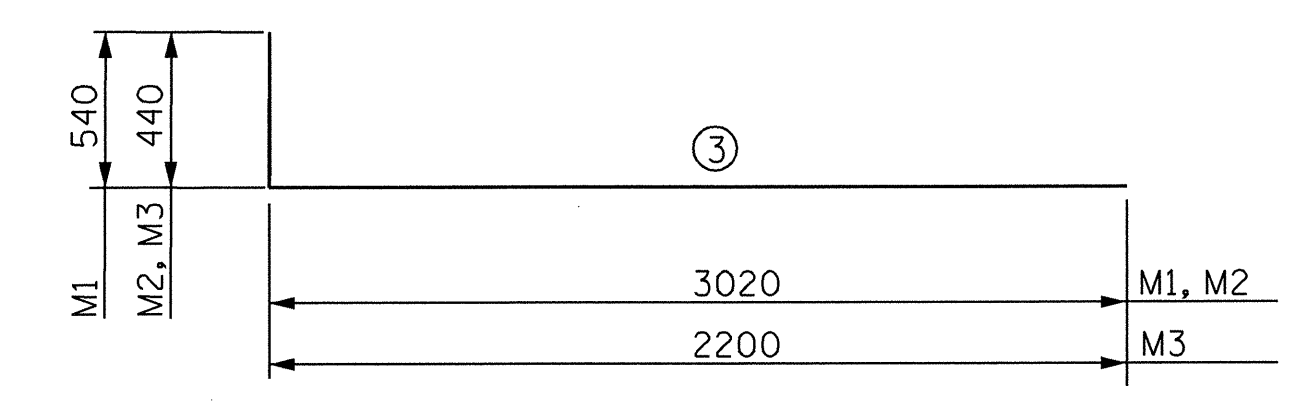
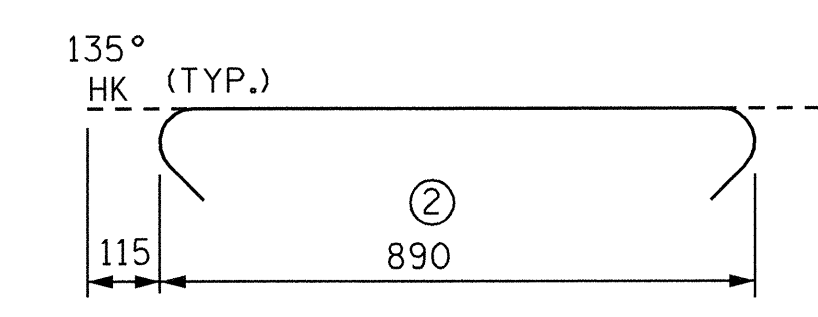
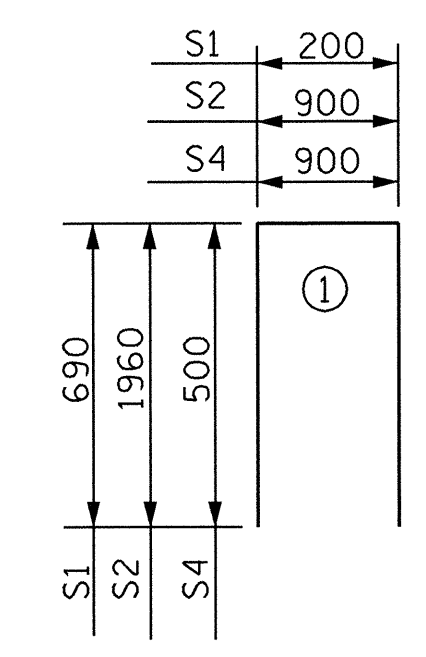
SECTION A-A



SECTION B-B

* MATCH TO #13K1 BARS IN BACKWALL

BAR TYPES



NOTE: ALL BAR DIMENSIONS ARE OUT TO OUT.

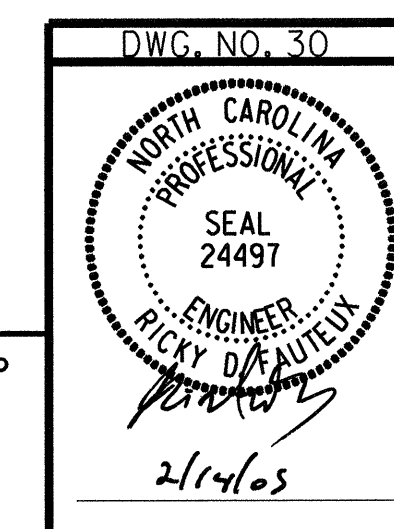
BILL OF MATERIAL

| END BENT 2 | | | | | |
|-----------------------|-----|------|------|---------------------|--------|
| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
| B1 | 34 | #13 | STR. | 6660 | 225 |
| B2 | 5 | #19 | STR. | 8840 | 99 |
| B3 | 1 | #19 | STR. | 4900 | 11 |
| B4 | 1 | #19 | STR. | 4960 | 11 |
| B5 | 1 | #19 | STR. | 5040 | 11 |
| B6 | 1 | #19 | STR. | 5160 | 12 |
| B7 | 1 | #19 | STR. | 5280 | 12 |
| B8 | 10 | #13 | STR. | 500 | 5 |
| B9 | 2 | #13 | STR. | 900 | 2 |
| H1 | 9 | #16 | 4 | 3360 | 47 |
| H2 | 9 | #16 | 4 | 3280 | 46 |
| H3 | 7 | #13 | 4 | 3360 | 23 |
| H4 | 7 | #13 | 4 | 3280 | 23 |
| H5 | 9 | #16 | 5 | 2880 | 40 |
| H6 | 9 | #16 | 5 | 2800 | 39 |
| H7 | 7 | #13 | 5 | 2880 | 20 |
| H8 | 7 | #13 | 5 | 2800 | 19 |
| K1 | 20 | #13 | STR. | 6680 | 132 |
| M1 | 41 | #25 | 3 | 3560 | 580 |
| M2 | 41 | #16 | 3 | 3460 | 220 |
| M3 | 10 | #16 | 3 | 2640 | 41 |
| S1 | 35 | #13 | 1 | 1580 | 55 |
| S2 | 41 | #16 | 1 | 4820 | 307 |
| S3 | 33 | #13 | 2 | 1120 | 37 |
| S4 | 6 | #13 | 1 | 1900 | 11 |
| S5 | 16 | #13 | STR. | 940 | 15 |
| T1 | 46 | #19 | STR. | 3140 | 323 |
| T2 | 46 | #22 | STR. | 3140 | 439 |
| T3 | 22 | #19 | STR. | 13600 | 669 |
| V1 | 70 | #16 | STR. | 2000 | 217 |
| V2 | 30 | #13 | STR. | 4340 | 129 |
| V3 | 26 | #13 | STR. | 4120 | 106 |
| REINFORCING STEEL | | | | 3,926 kg | |
| CLASS "A" CONCRETE | | | | | |
| POUR 1 | | | | 36.3 m ³ | |
| POUR 2 | | | | 36.9 m ³ | |
| POUR 3 | | | | 8.4 m ³ | |
| TOTAL | | | | 81.6 m ³ | |
| FOUNDATION EXCAVATION | | | | LUMP SUM | |

PROJECT NO. R-2552AA
 WAKE / JOHNSTON COUNTY
 STATION: 19+25.877 -I1Y1- P.O.T.

SHEET 4 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 END BENT 2
 DETAILS



RUMMEL, KLEPPER & KAHL, LLP
 consulting engineers
 5800 FARINGDON PLACE - SUITE 105
 RALEIGH, NORTH CAROLINA 27609-3960

| NO. | | BY: | | DATE: | | NO. | | BY: | | DATE: | | SHEET NO. | |
|-----|--|-----|--|-------|--|-----|--|-----|--|-------|--|-----------|--------------|
| 1 | | | | | | 3 | | | | | | 5-30 | TOTAL SHEETS |
| 2 | | | | | | 4 | | | | | | 429 | |

DRAWN BY: B. PARRISH DATE: 01/05
 CHECKED BY: R.D. FAUTEUX DATE: 01/05