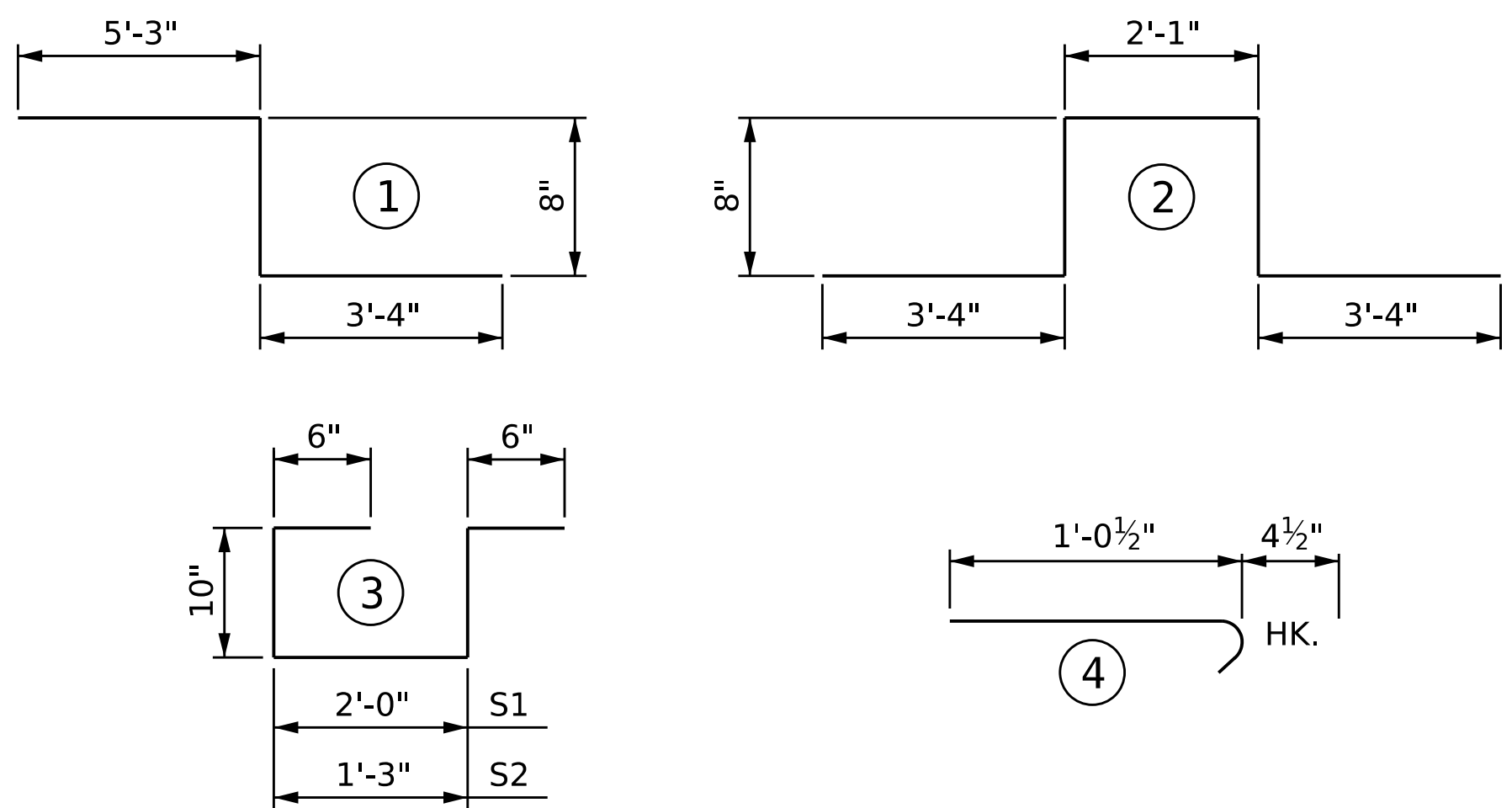


3/21/2023 8:05:42 AM P:\Raleigh\Projects\2019\Division 9 (Davenport)\B-5783\Structures\Drawings\NEW\280164_NB\B-5783_SMU_BM_280164.dgn

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

SPANS A, B & C

| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT | BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
|--------|-----|------|------|---------|--------|------|-----|------|------|---------|--------|
| * A1 | 213 | #5 | STR | 39'-5" | 8757 | A210 | 12 | #5 | STR | 27'-8" | 346 |
| A2 | 219 | #5 | STR | 39'-5" | 9003 | A211 | 12 | #5 | STR | 26'-5" | 331 |
| * A3 | 18 | #6 | STR | 20'-7" | 556 | A212 | 12 | #5 | STR | 25'-3" | 316 |
| A4 | 18 | #6 | STR | 16'-0" | 433 | A213 | 12 | #5 | STR | 24'-1" | 301 |
| | | | | | | A214 | 12 | #5 | STR | 22'-10" | 286 |
| * A101 | 12 | #5 | STR | 38'-4" | 480 | A215 | 12 | #5 | STR | 21'-8" | 271 |
| * A102 | 12 | #5 | STR | 37'-2" | 465 | A216 | 12 | #5 | STR | 20'-6" | 257 |
| * A103 | 12 | #5 | STR | 36'-0" | 451 | A217 | 12 | #5 | STR | 19'-3" | 241 |
| * A104 | 12 | #5 | STR | 34'-9" | 435 | A218 | 12 | #5 | STR | 18'-1" | 226 |
| * A105 | 12 | #5 | STR | 33'-7" | 420 | A219 | 12 | #5 | STR | 16'-11" | 212 |
| * A106 | 12 | #5 | STR | 32'-5" | 406 | A220 | 12 | #5 | STR | 15'-9" | 197 |
| * A107 | 12 | #5 | STR | 31'-2" | 390 | A221 | 12 | #5 | STR | 14'-6" | 181 |
| * A108 | 12 | #5 | STR | 30'-0" | 375 | A222 | 12 | #5 | STR | 13'-4" | 167 |
| * A109 | 12 | #5 | STR | 28'-10" | 361 | A223 | 12 | #5 | STR | 12'-2" | 152 |
| * A110 | 12 | #5 | STR | 27'-8" | 346 | A224 | 12 | #5 | STR | 10'-11" | 137 |
| * A111 | 12 | #5 | STR | 26'-5" | 331 | A225 | 12 | #5 | STR | 9'-9" | 122 |
| * A112 | 12 | #5 | STR | 25'-3" | 316 | A226 | 12 | #5 | STR | 8'-7" | 107 |
| * A113 | 12 | #5 | STR | 24'-1" | 301 | A227 | 12 | #5 | STR | 7'-4" | 92 |
| * A114 | 12 | #5 | STR | 22'-10" | 286 | A228 | 12 | #5 | STR | 6'-2" | 77 |
| * A115 | 12 | #5 | STR | 21'-8" | 271 | A229 | 12 | #5 | STR | 5'-0" | 63 |
| * A116 | 12 | #5 | STR | 20'-6" | 257 | A230 | 12 | #5 | STR | 3'-10" | 48 |
| * A117 | 12 | #5 | STR | 19'-3" | 241 | A231 | 12 | #5 | STR | 2'-7" | 32 |
| * A118 | 12 | #5 | STR | 18'-1" | 226 | | | | | | |
| * A119 | 12 | #5 | STR | 16'-11" | 212 | B1 | 108 | #5 | STR | 41'-7" | 4684 |
| * A120 | 12 | #5 | STR | 15'-9" | 197 | B2 | 162 | #5 | STR | 43'-2" | 7294 |
| * A121 | 12 | #5 | STR | 14'-6" | 181 | * B3 | 120 | #4 | STR | 21'-10" | 1750 |
| * A122 | 12 | #5 | STR | 13'-4" | 167 | * B4 | 120 | #4 | STR | 32'-10" | 2632 |
| * A123 | 12 | #5 | STR | 12'-2" | 152 | | | | | | |
| * A124 | 12 | #5 | STR | 10'-11" | 137 | * G1 | 6 | #5 | STR | 51'-6" | 322 |
| * A125 | 12 | #5 | STR | 9'-9" | 122 | | | | | | |
| * A126 | 12 | #5 | STR | 8'-7" | 107 | * J1 | 312 | #4 | 4 | 1'-5" | 295 |
| * A127 | 12 | #5 | STR | 7'-4" | 92 | | | | | | |
| * A128 | 12 | #5 | STR | 6'-2" | 77 | * K1 | 36 | #5 | 1 | 9'-3" | 347 |
| * A129 | 12 | #5 | STR | 5'-0" | 63 | * K2 | 72 | #5 | STR | 10'-3" | 770 |
| * A130 | 12 | #5 | STR | 3'-10" | 48 | * K3 | 54 | #5 | 2 | 10'-1" | 568 |
| * A131 | 12 | #5 | STR | 2'-7" | 32 | | | | | | |
| A201 | 12 | #5 | STR | 38'-4" | 480 | * S1 | 56 | #4 | 3 | 4'-8" | 175 |
| A202 | 12 | #5 | STR | 37'-2" | 465 | * S2 | 112 | #4 | 3 | 3'-11" | 293 |
| A203 | 12 | #5 | STR | 36'-0" | 451 | | | | | | |
| A204 | 12 | #5 | STR | 34'-9" | 435 | | | | | | |
| A205 | 12 | #5 | STR | 33'-7" | 420 | | | | | | |
| A206 | 12 | #5 | STR | 32'-5" | 406 | | | | | | |
| A207 | 12 | #5 | STR | 31'-2" | 390 | | | | | | |
| A208 | 12 | #5 | STR | 30'-0" | 375 | | | | | | |
| A209 | 12 | #5 | STR | 28'-10" | 361 | | | | | | |

| SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS | | | | | |
|--|---|----------|----------------|----------|--------------------------|
| BAR SIZE | SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL | | APPROACH SLABS | | PARAPET AND BARRIER RAIL |
| | EPOXY COATED | UNCOATED | EPOXY COATED | UNCOATED | |
| #4 | 1'-11" | 1'-7" | 1'-11" | 1'-7" | 2'-6" |
| #5 | 2'-5" | 2'-0" | 2'-5" | 2'-0" | 3'-1" |
| #6 | 2'-10" | 2'-5" | 3'-7" | 2'-5" | 3'-8" |
| #7 | 4'-2" | 2'-9" | -- | -- | -- |
| #8 | 4'-9" | 3'-2" | -- | -- | -- |

| GROOVING BRIDGE FLOORS | | |
|------------------------|-------|---------|
| APPROACH SLABS | 1,570 | SQ. FT. |
| BRIDGE DECK | 6,895 | SQ. FT. |
| TOTAL | 8,465 | SQ. FT. |

| SUPERSTRUCTURE BILL OF MATERIAL | | | |
|---------------------------------|-------------------|-------------------|--------------------------------|
| | CLASS AA CONCRETE | REINFORCING STEEL | EPOXY COATED REINFORCING STEEL |
| | CY | LB | LB |
| POUR 1 | 223.6 | -- | -- |
| POUR 2 | 43.1 | -- | -- |
| TOTAL ** | 266.7 | 29,359 | 24,410 |

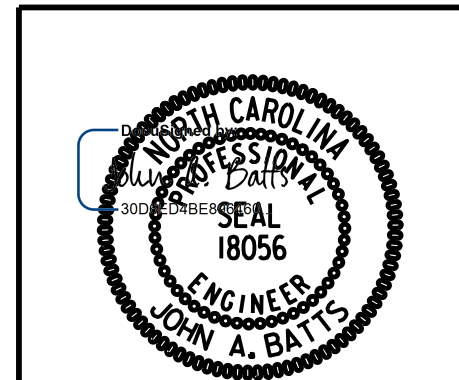
** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

PROJECT NO. B-5783
DAVIDSON COUNTY
 STATION: 21+13.32 -NBL-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE

BILL OF MATERIAL



DRAWN BY : T. BANKOVICH DATE : 12-22
 CHECKED BY : J.A. BATTS DATE : 12-22
 DESIGN ENGINEER OF RECORD: J.A. BATTS DATE : 12-22

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | S1-26 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 40 |

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**