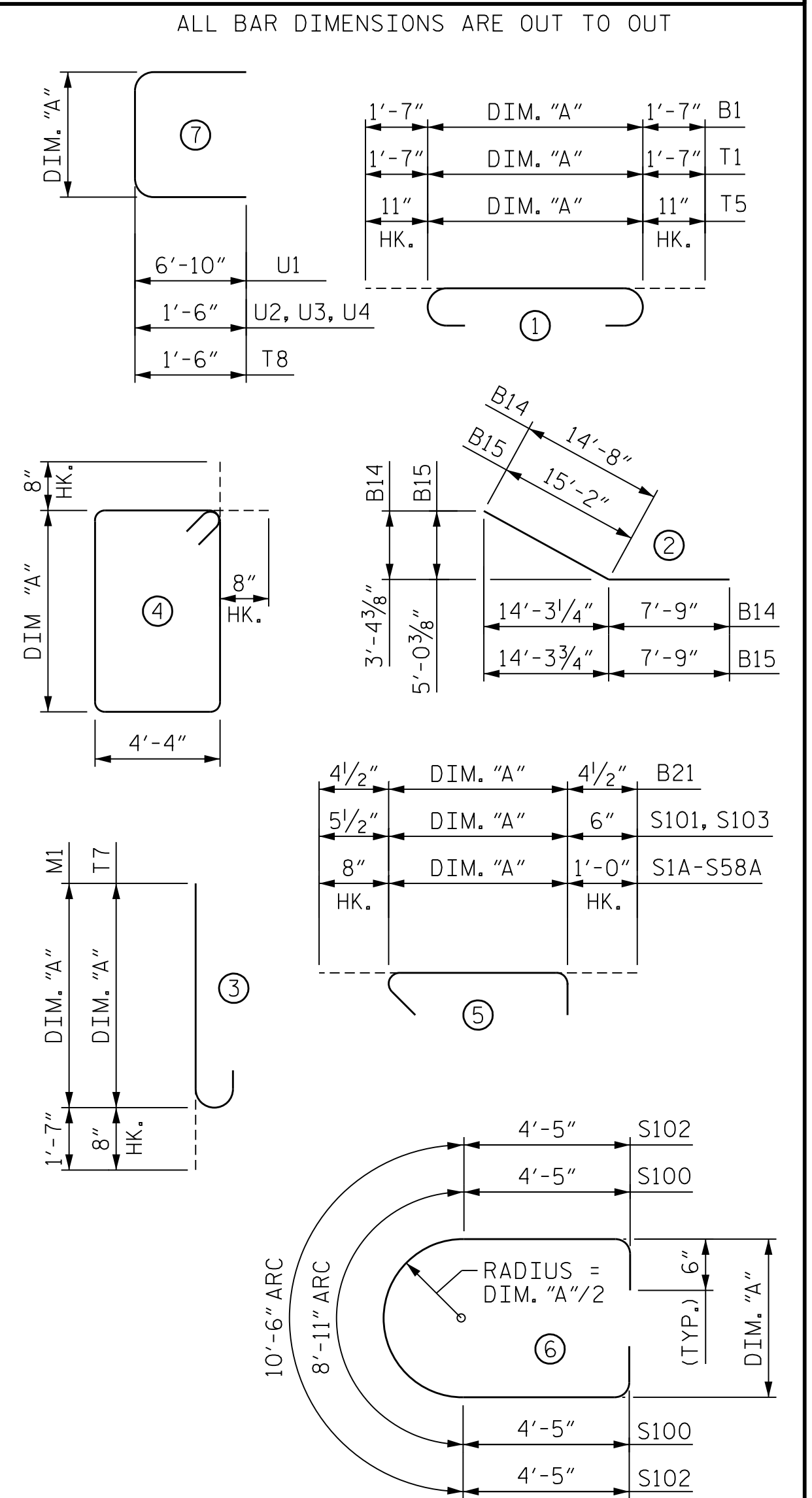


## BILL OF MATERIAL - BENT 8

| BAR | NO. | SIZE | TYPE | DIM. "A"   | LENGTH  | WEIGHT | BAR  | NO. | SIZE | TYPE | DIM. "A"   | LENGTH  | WEIGHT |
|-----|-----|------|------|------------|---------|--------|------|-----|------|------|------------|---------|--------|
| B1  | 12  | #11  | 1    | 41'-6"     | 44'-8"  | 2,848  | S57  | 2   | #6   | 4    | 6'-11 1/2" | 23'-11" | 72     |
| B2  | 18  | #11  | STR  | --         | 40'-10" | 3,905  | S58  | 2   | #6   | 4    | 6'-9 1/2"  | 23'-7"  | 71     |
| B3  | 22  | #8   | STR  | --         | 41'-8"  | 2,448  |      |     |      |      |            |         |        |
| B4  | 2   | #8   | STR  | --         | 38'-5"  | 205    | S1A  | 2   | #6   | 5    | 6'-10"     | 8'-6"   | 26     |
| B5  | 2   | #8   | STR  | --         | 35'-9"  | 191    | S2A  | 2   | #6   | 5    | 6'-11"     | 8'-7"   | 26     |
| B6  | 2   | #8   | STR  | --         | 33'-2"  | 177    | S3A  | 2   | #6   | 5    | 7'-1"      | 8'-9"   | 26     |
| B7  | 2   | #8   | STR  | --         | 30'-6"  | 163    | S4A  | 4   | #6   | 5    | 7'-4"      | 9'-0"   | 54     |
| B8  | 2   | #8   | STR  | --         | 27'-11" | 149    | S5A  | 2   | #6   | 5    | 7'-6"      | 9'-2"   | 28     |
| B9  | 2   | #8   | STR  | --         | 25'-3"  | 135    | S6A  | 2   | #6   | 5    | 7'-8"      | 9'-4"   | 28     |
| B10 | 2   | #8   | STR  | --         | 22'-7"  | 121    | S7A  | 2   | #6   | 5    | 7'-9"      | 9'-5"   | 28     |
| B11 | 2   | #8   | STR  | --         | 20'-0"  | 107    | S8A  | 2   | #6   | 5    | 7'-11"     | 9'-7"   | 29     |
| B12 | 2   | #8   | STR  | --         | 17'-3"  | 92     | S9A  | 2   | #6   | 5    | 8'-0"      | 9'-8"   | 29     |
| B13 | 2   | #8   | STR  | --         | 14'-7"  | 78     | S10A | 2   | #6   | 5    | 8'-2"      | 9'-10"  | 30     |
| B14 | 12  | #8   | 2    | --         | 22'-5"  | 718    | S11A | 2   | #6   | 5    | 8'-4"      | 10'-0"  | 30     |
| B15 | 12  | #8   | 2    | --         | 22'-11" | 734    | S12A | 2   | #6   | 5    | 8'-5"      | 10'-1"  | 30     |
|     |     |      |      |            |         |        | S13A | 2   | #6   | 5    | 8'-7"      | 10'-3"  | 31     |
| B20 | 22  | #4   | STR  | --         | 6'-8"   | 98     | S14A | 2   | #6   | 5    | 8'-8"      | 10'-4"  | 31     |
| B21 | 11  | #4   | 5    | 6'-8"      | 7'-5"   | 54     | S15A | 2   | #6   | 5    | 8'-10"     | 10'-6"  | 32     |
|     |     |      |      |            |         |        | S16A | 2   | #6   | 5    | 9'-0"      | 10'-8"  | 32     |
|     |     |      |      |            |         |        | S17A | 2   | #6   | 5    | 9'-2"      | 10'-10" | 33     |
|     |     |      |      |            |         |        | S18A | 2   | #6   | 5    | 9'-3"      | 10'-11" | 33     |
| M1  | 76  | #11  | 3    | 13'-0"     | 14'-7"  | 5,889  | S19A | 2   | #6   | 5    | 9'-5"      | 11'-1"  | 33     |
|     |     |      |      |            |         |        | S20A | 2   | #6   | 5    | 9'-7"      | 11'-3"  | 34     |
| S1  | 2   | #6   | 4    | 6'-9 1/2"  | 23'-7"  | 71     | S21A | 2   | #6   | 5    | 9'-8"      | 11'-4"  | 34     |
| S2  | 2   | #6   | 4    | 6'-11"     | 23'-10" | 72     | S22A | 2   | #6   | 5    | 9'-10"     | 11'-6"  | 35     |
| S3  | 2   | #6   | 4    | 7'-0 1/2"  | 24'-1"  | 72     | S23A | 2   | #6   | 5    | 9'-11"     | 11'-7"  | 35     |
| S4  | 4   | #6   | 4    | 7'-4"      | 24'-8"  | 148    | S24A | 2   | #6   | 5    | 10'-1"     | 11'-9"  | 35     |
| S5  | 2   | #6   | 4    | 7'-5 1/2"  | 24'-11" | 75     | S25A | 2   | #6   | 5    | 10'-2"     | 11'-10" | 36     |
| S6  | 2   | #6   | 4    | 7'-7 1/2"  | 25'-3"  | 76     | S26A | 2   | #6   | 5    | 10'-3"     | 12'-1"  | 36     |
| S7  | 2   | #6   | 4    | 7'-9"      | 25'-6"  | 77     | S27A | 2   | #6   | 5    | 10'-6"     | 12'-2"  | 37     |
| S8  | 2   | #6   | 4    | 7'-10 1/2" | 25'-9"  | 77     | S28A | 8   | #6   | 5    | 10'-9"     | 12'-5"  | 149    |
| S9  | 2   | #6   | 4    | 8'-0"      | 26'-0"  | 78     | S29A | 8   | #6   | 5    | 10'-10"    | 12'-6"  | 150    |
| S10 | 2   | #6   | 4    | 8'-2"      | 26'-4"  | 79     | S30A | 8   | #6   | 5    | 11'-1"     | 12'-9"  | 153    |
| S11 | 2   | #6   | 4    | 8'-3 1/2"  | 26'-7"  | 80     | S31A | 8   | #6   | 5    | 11'-2"     | 12'-10" | 154    |
| S12 | 2   | #6   | 4    | 8'-5"      | 26'-10" | 81     | S32A | 2   | #6   | 5    | 11'-0"     | 12'-8"  | 38     |
| S13 | 2   | #6   | 4    | 8'-7"      | 27'-2"  | 82     | S33A | 2   | #6   | 5    | 10'-10"    | 12'-6"  | 38     |
| S14 | 2   | #6   | 4    | 8'-8 1/2"  | 27'-5"  | 82     | S34A | 2   | #6   | 5    | 10'-8"     | 12'-4"  | 37     |
| S15 | 2   | #6   | 4    | 8'-10"     | 27'-8"  | 83     | S35A | 2   | #6   | 5    | 10'-7"     | 12'-3"  | 37     |
| S16 | 2   | #6   | 4    | 9'-0"      | 28'-0"  | 84     | S36A | 2   | #6   | 5    | 10'-5"     | 12'-1"  | 36     |
| S17 | 2   | #6   | 4    | 9'-1 1/2"  | 28'-3"  | 85     | S37A | 2   | #6   | 5    | 10'-2"     | 11'-10" | 36     |
| S18 | 2   | #6   | 4    | 9'-3"      | 28'-6"  | 86     | S38A | 2   | #6   | 5    | 10'-1"     | 11'-9"  | 35     |
| S19 | 2   | #6   | 4    | 9'-5"      | 28'-10" | 87     | S39A | 2   | #6   | 5    | 9'-11"     | 11'-7"  | 35     |
| S20 | 2   | #6   | 4    | 9'-6 1/2"  | 29'-1"  | 87     | S40A | 2   | #6   | 5    | 9'-9"      | 11'-5"  | 34     |
| S21 | 2   | #6   | 4    | 9'-8"      | 29'-4"  | 88     | S41A | 2   | #6   | 5    | 9'-7"      | 11'-3"  | 34     |
| S22 | 2   | #6   | 4    | 9'-9 1/2"  | 29'-7"  | 89     | S42A | 2   | #6   | 5    | 9'-5"      | 11'-1"  | 33     |
| S23 | 2   | #6   | 4    | 9'-11 1/2" | 29'-11" | 90     | S43A | 2   | #6   | 5    | 9'-4"      | 11'-0"  | 33     |
| S24 | 2   | #6   | 4    | 10'-1"     | 30'-2"  | 91     | S44A | 2   | #6   | 5    | 9'-2"      | 10'-10" | 33     |
| S25 | 2   | #6   | 4    | 10'-2 1/2" | 30'-5"  | 91     | S45A | 2   | #6   | 5    | 8'-11"     | 10'-7"  | 32     |
| S26 | 2   | #6   | 4    | 10'-4 1/2" | 30'-9"  | 92     | S46A | 2   | #6   | 5    | 8'-10"     | 10'-6"  | 32     |
| S27 | 2   | #6   | 4    | 10'-6"     | 31'-0"  | 93     | S47A | 2   | #6   | 5    | 8'-8"      | 10'-4"  | 31     |
| S28 | 8   | #6   | 4    | 10'-8 1/2" | 31'-5"  | 378    | S48A | 2   | #6   | 5    | 8'-6"      | 10'-2"  | 31     |
| S29 | 8   | #6   | 4    | 10'-9 1/2" | 31'-7"  | 380    | S49A | 2   | #6   | 5    | 8'-4"      | 10'-0"  | 30     |
| S30 | 8   | #6   | 4    | 11'-1"     | 32'-2"  | 387    | S50A | 2   | #6   | 5    | 8'-2"      | 9'-10"  | 30     |
| S31 | 8   | #6   | 4    | 11'-2"     | 32'-4"  | 389    | S51A | 2   | #6   | 5    | 8'-1"      | 9'-9"   | 29     |
| S32 | 2   | #6   | 4    | 11'-0"     | 32'-0"  | 96     | S52A | 2   | #6   | 5    | 7'-11"     | 9'-7"   | 29     |
| S33 | 2   | #6   | 4    | 10'-10"    | 31'-8"  | 95     | S53A | 2   | #6   | 5    | 7'-9"      | 9'-5"   | 28     |
| S34 | 2   | #6   | 4    | 10'-8"     | 31'-4"  | 94     | S54A | 2   | #6   | 5    | 7'-7"      | 9'-3"   | 28     |
| S35 | 2   | #6   | 4    | 10'-6 1/2" | 31'-1"  | 93     | S55A | 4   | #6   | 5    | 7'-5"      | 9'-1"   | 55     |
| S36 | 2   | #6   | 4    | 10'-4 1/2" | 30'-9"  | 92     | S56A | 2   | #6   | 5    | 7'-1"      | 8'-9"   | 26     |
| S37 | 2   | #6   | 4    | 10'-2 1/2" | 30'-5"  | 91     | S57A | 2   | #6   | 5    | 7'-0"      | 8'-8"   | 26     |
| S38 | 2   | #6   | 4    | 10'-0 1/2" | 30'-1"  | 90     | S58A | 2   | #6   | 5    | 6'-10"     | 8'-6"   | 26     |
| S39 | 2   | #6   | 4    | 9'-11"     | 29'-10" | 90     |      |     |      |      |            |         |        |
| S40 | 2   | #6   | 4    | 9'-9"      | 29'-6"  | 89     | S100 | 86  | #5   | 6    | 5'-8"      | 18'-9"  | 1,682  |
| S41 | 2   | #6   | 4    | 9'-7"      | 29'-2"  | 88     | S101 | 129 | #5   | 5    | 5'-8"      | 6'-8"   | 897    |
| S42 | 2   | #6   | 4    | 9'-5 1/2"  | 28'-11" | 87     | S102 | 92  | #5   | 6    | 6'-8"      | 20'-4"  | 1,951  |
| S43 | 2   | #6   | 4    | 9'-3 1/2"  | 28'-7"  | 86     | S103 | 138 | #5   | 5    | 6'-8"      | 7'-8"   | 1,103  |
| S44 | 2   | #6   | 4    | 9'-1 1/2"  | 28'-3"  | 85     |      |     |      |      |            |         |        |
| S45 | 2   | #6   | 4    | 8'-11 1/2" | 27'-11" | 84     | T1   | 105 | #11  | 1    | 25'-0"     | 28'-2"  | 15,713 |
| S46 | 2   | #6   | 4    | 8'-10"     | 27'-8"  | 83     |      |     |      |      |            |         |        |
| S47 | 2   | #6   | 4    | 8'-8"      | 27'-4"  | 82     | T3   | 40  | #5   | STR. | --         | 25'-0"  | 1,043  |
| S48 | 2   | #6   | 4    | 8'-6"      | 27'-0"  | 81     |      |     |      |      |            |         |        |
| S49 | 2   | #6   | 4    | 8'-4"      | 26'-8"  | 80     | T5   | 56  | #8   | 1    | 25'-0"     | 26'-10" | 4,012  |
| S50 | 2   | #6   | 4    | 8'-2 1/2"  | 26'-5"  | 79     |      |     |      |      |            |         |        |
| S51 | 2   | #6   | 4    | 8'-0 1/2"  | 26'-1"  | 78     | Δ T7 | 16  | #6   | 3    | 3'-11"     | 4'-7"   | 110    |
| S52 | 2   | #6   | 4    | 7'-10 1/2" | 25'-9"  | 77     | T8   | 200 | #5   | 7    | 5'-8"      | 8'-8"   | 1,808  |
| S53 | 2   | #6   | 4    | 7'-8 1/2"  | 25'-5"  | 76     |      |     |      |      |            |         |        |
| S54 | 2   | #6   | 4    | 7'-7"      | 25'-2"  | 76     |      |     |      |      |            |         |        |
| S55 | 4   | #6   | 4    | 7'-5"      | 24'-10" | 149    |      |     |      |      |            |         |        |
| S56 | 2   | #6   | 4    | 7'-1"      | 24'-2"  | 73     |      |     |      |      |            |         |        |

### BAR TYPES



#### SUMMARY OF QUANTITIES - BENT 8

|   |      |        |
|---|------|--------|
| REINFORCING STEEL                                     | LBS. | 75,432 |
| CLASS AA CONCRETE:                                    |      |        |
| POUR #1 - FOOTING                                     | C.Y. | 168.6  |
| POUR #2 - COLUMN                                      | C.Y. | 68.6   |
| POUR #3 - COLUMN                                      | C.Y. | 42.9   |
| POUR #4 - CAP   | C.Y. | 108.0  |
| TOTAL   |      | 388.1  |
| HP 14x73 STEEL PILES                                  | NO.  | 32     |
|   | LF   | 1,600  |
| PILE DRIVING EQUIPMENT SETUP FOR HP 14X73 STEEL PILES | EA.  | 32     |

**NOTE**  
SEE SHEET 1 OF 5 FOR NOTES.

PROJECT NO. U-2579AB  
FORSYTH COUNTY  
 STATION: 60+66.06 -Y15FLYAC-

SHEET 5 OF 5

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

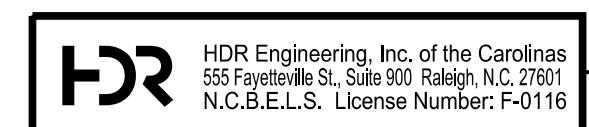
## SUBSTRUCTURE BENT 8 BILL OF MATERIALS



*Domenic A. Colletti* 10/15/2021

| REVISIONS |     |       |     |     |       |
|-----------|-----|-------|-----|-----|-------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: |
| 1         | --  | --    | 3   | --  | --    |
| 2         | --  | --    | 4   | --  | --    |

SHEET NO. S04-132  
TOTAL SHEETS 144



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLOT DRIVER: NCDOT.pdf\_color\_eng-50dpi  
 USER: PETERSON DATE: 10/14/2021  
 FILE: ...SUBSTR TIME: 4:12:42 PM

DES BY: B. PETERSON DATE: 10/19 DWG BY: B. PETERSON DATE: 10/19  
 DES CHK: S. NIFONG DATE: 10/19 CHK BY: M. WERNER DATE: 10/19