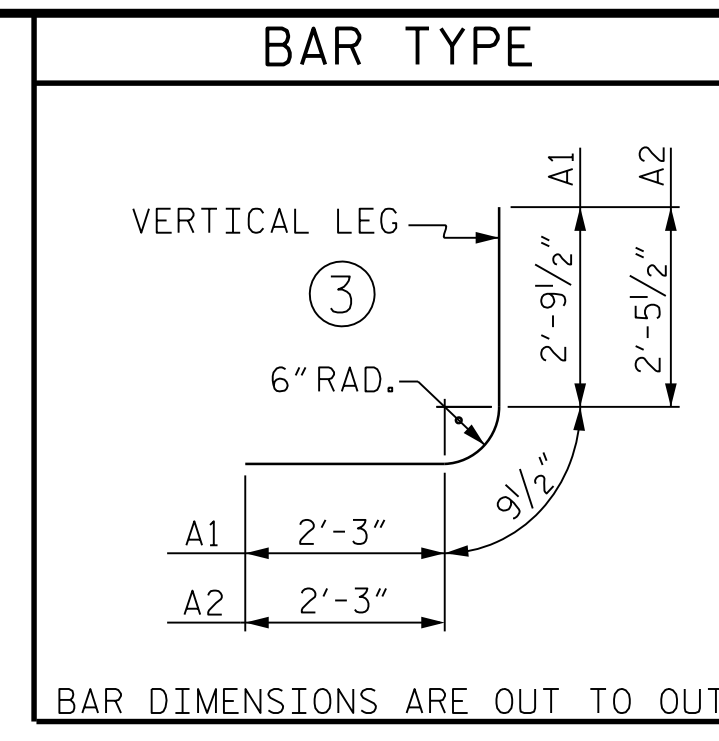


STAGE II - PLAN OF ROOF SLAB

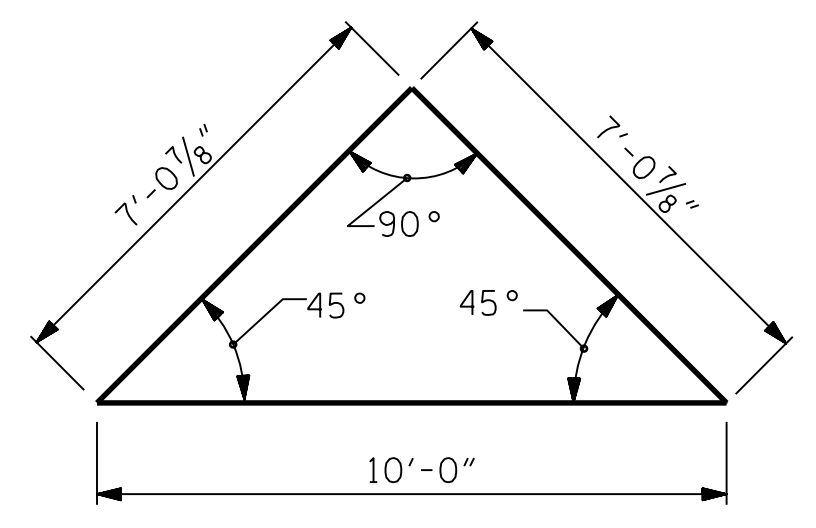


| REINFORCING BAR SCHEDULE | | | | | | | | | | | |
|--------------------------|-----|------|------|---------|--------|------|-----|------|------|---------|--------|
| STAGE II | | | | | | | | | | | |
| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT | BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
| A1 | 290 | #4 | 3 | 5'-10" | 1130 | A303 | 6 | #5 | STR | 13'-4" | 83 |
| A2 | 290 | #4 | 3 | 5'-6" | 1065 | A304 | 6 | #5 | STR | 11'-10" | 74 |
| | | | | | | A305 | 6 | #5 | STR | 10'-4" | 65 |
| A100 | 109 | #5 | STR | 17'-8" | 2008 | A306 | 6 | #5 | STR | 8'-10" | 55 |
| A101 | 6 | #5 | STR | 16'-4" | 102 | A307 | 6 | #5 | STR | 7'-4" | 46 |
| A102 | 6 | #5 | STR | 14'-10" | 93 | A308 | 6 | #5 | STR | 5'-10" | 37 |
| A103 | 6 | #5 | STR | 13'-4" | 83 | A309 | 6 | #5 | STR | 4'-4" | 27 |
| A104 | 6 | #5 | STR | 11'-10" | 74 | A310 | 6 | #5 | STR | 2'-10" | 18 |
| A105 | 6 | #5 | STR | 10'-4" | 65 | A311 | 6 | #5 | STR | 1'-4" | 8 |
| A106 | 6 | #5 | STR | 8'-10" | 55 | | | | | | |
| A107 | 6 | #5 | STR | 7'-4" | 46 | A400 | 109 | #5 | STR | 17'-8" | 2008 |
| A108 | 6 | #5 | STR | 5'-10" | 37 | A401 | 6 | #5 | STR | 16'-4" | 102 |
| A109 | 6 | #5 | STR | 4'-4" | 27 | A402 | 6 | #5 | STR | 14'-10" | 93 |
| A110 | 6 | #5 | STR | 2'-10" | 18 | A403 | 6 | #5 | STR | 13'-4" | 83 |
| A111 | 6 | #5 | STR | 1'-4" | 8 | A404 | 6 | #5 | STR | 11'-10" | 74 |
| | | | | | | A405 | 6 | #5 | STR | 10'-4" | 65 |
| A200 | 109 | #5 | STR | 17'-8" | 2008 | A406 | 6 | #5 | STR | 8'-10" | 55 |
| A201 | 6 | #5 | STR | 16'-4" | 102 | A407 | 6 | #5 | STR | 7'-4" | 46 |
| A202 | 6 | #5 | STR | 14'-10" | 93 | A408 | 6 | #5 | STR | 5'-10" | 37 |
| A203 | 6 | #5 | STR | 13'-4" | 83 | A409 | 6 | #5 | STR | 4'-4" | 27 |
| A204 | 6 | #5 | STR | 11'-10" | 74 | A410 | 6 | #5 | STR | 2'-10" | 18 |
| A205 | 6 | #5 | STR | 10'-4" | 65 | A411 | 6 | #5 | STR | 1'-4" | 8 |
| A206 | 6 | #5 | STR | 8'-10" | 55 | | | | | | |
| A207 | 6 | #5 | STR | 7'-4" | 46 | B1 | 146 | #4 | STR | 8'-5" | 821 |
| A208 | 6 | #5 | STR | 5'-10" | 37 | B2 | 290 | #4 | STR | 6'-4" | 1227 |
| A209 | 6 | #5 | STR | 4'-4" | 27 | B3 | 146 | #4 | STR | 8'-5" | 821 |
| A210 | 6 | #5 | STR | 2'-10" | 18 | | | | | | |
| A211 | 6 | #5 | STR | 1'-4" | 8 | C1 | 207 | #6 | STR | 25'-4" | 3503 |
| | | | | | | | | | | | |
| A300 | 109 | #5 | STR | 17'-8" | 2008 | D1 | 36 | #6 | STR | 3'-0" | 162 |
| A301 | 6 | #5 | STR | 16'-4" | 102 | | | | | | |
| A302 | 6 | #5 | STR | 14'-10" | 93 | S1 | 15 | #6 | STR | 25'-0" | 563 |

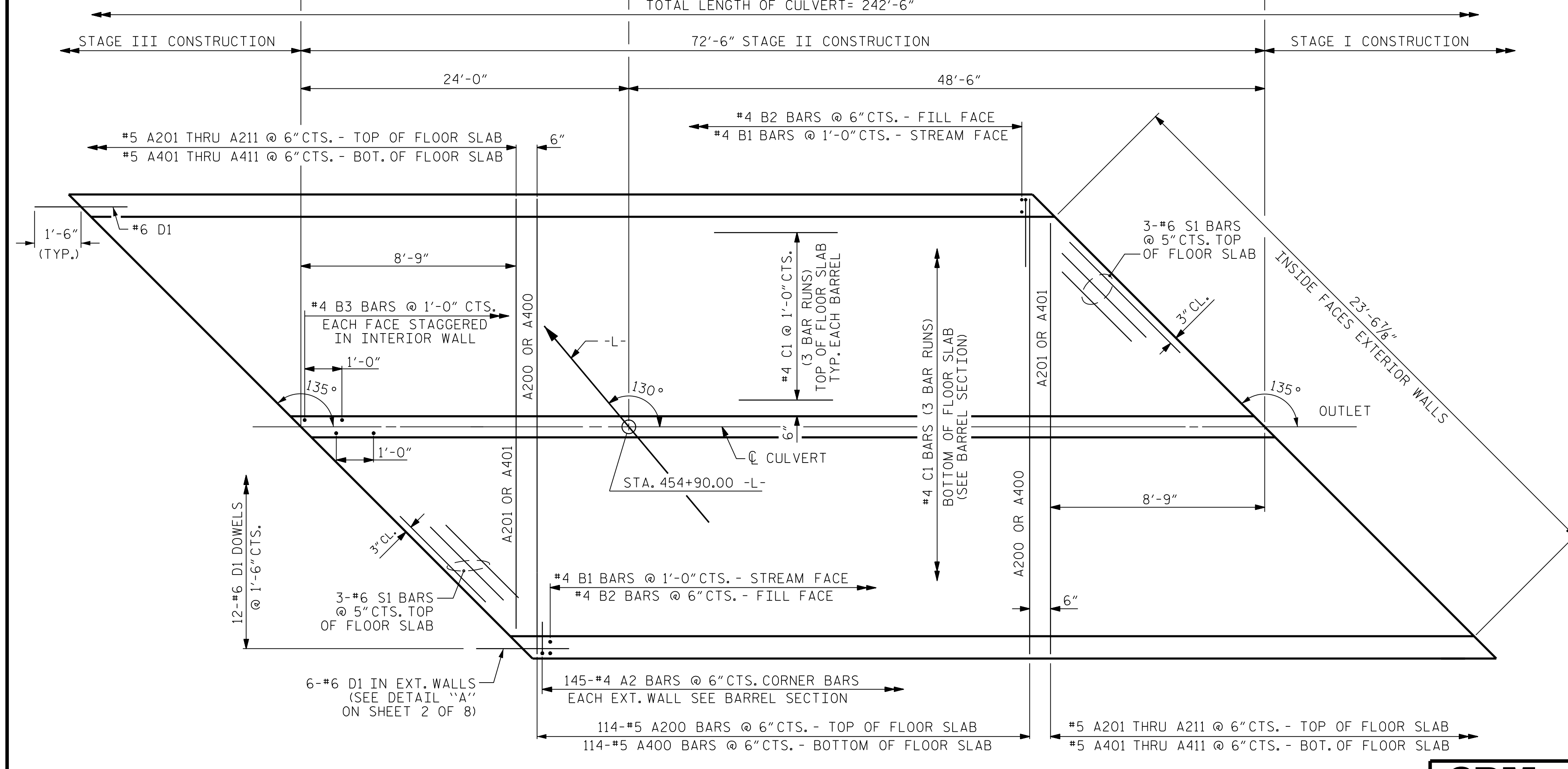
| SPLICE LENGTHS CHART | | |
|----------------------|------|---------------|
| BAR | SIZE | SPLICE LENGTH |
| C1 | #4 | 1'-10" |

REINFORCING STEEL LBS. 19,756

| TOTAL STRUCTURE QUANTITIES STAGE II | |
|-------------------------------------|-------------|
| FOUNDATION COND. MAT'L | 113 TONS |
| CULVERT EXCAVATION | LUMP SUM |
| CLASS A CONCRETE | |
| BARREL @ 1.693 CY/FT | 122.8 C.Y. |
| EDGE BEAM | 0.9 C.Y. |
| TOTAL | 123.7 C.Y. |
| REINFORCING STEEL | |
| BARREL & EDGE BEAM | 19,756 LBS. |
| TOTAL | 19,756 LBS. |



SKEW TRIANGLE



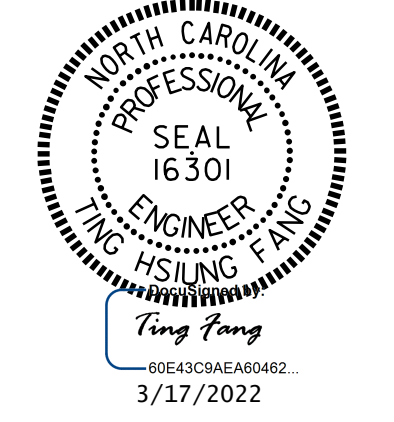
STAGE II - PLAN OF FLOOR SLAB

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CDM Smith
 CDM SMITH
 5400 Glenwood Avenue, Suite 400
 Raleigh, NC 27612-3228
 NC COA No. F-1255

DRAWN BY: JJR DATE: 10/21
 CHECKED BY: THF DATE: 11/21
 DESIGN ENGINEER: VDK DATE: 12/21

DWG. No.



PROJECT NO. I-5987A
ROBESON COUNTY
 STATION: 454+90.00 -L-

SHEET 4 OF 8

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 BARREL STANDARD
DOUBLE 8 FT. X 7 FT. CONCRETE BOX CULVERT
 STAGE II

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|----------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | C13-4 |
| 1 | | | 3 | | | TOTAL SHEETS 8 |
| 2 | | | 4 | | | |