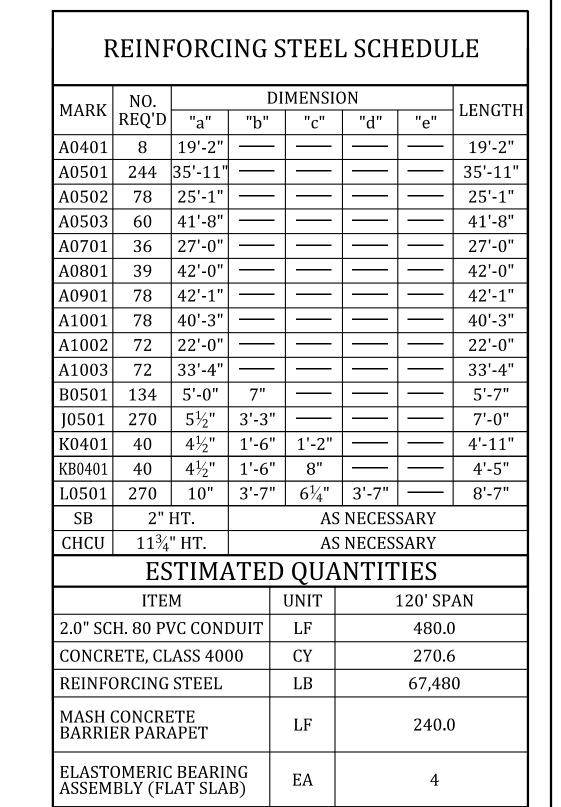
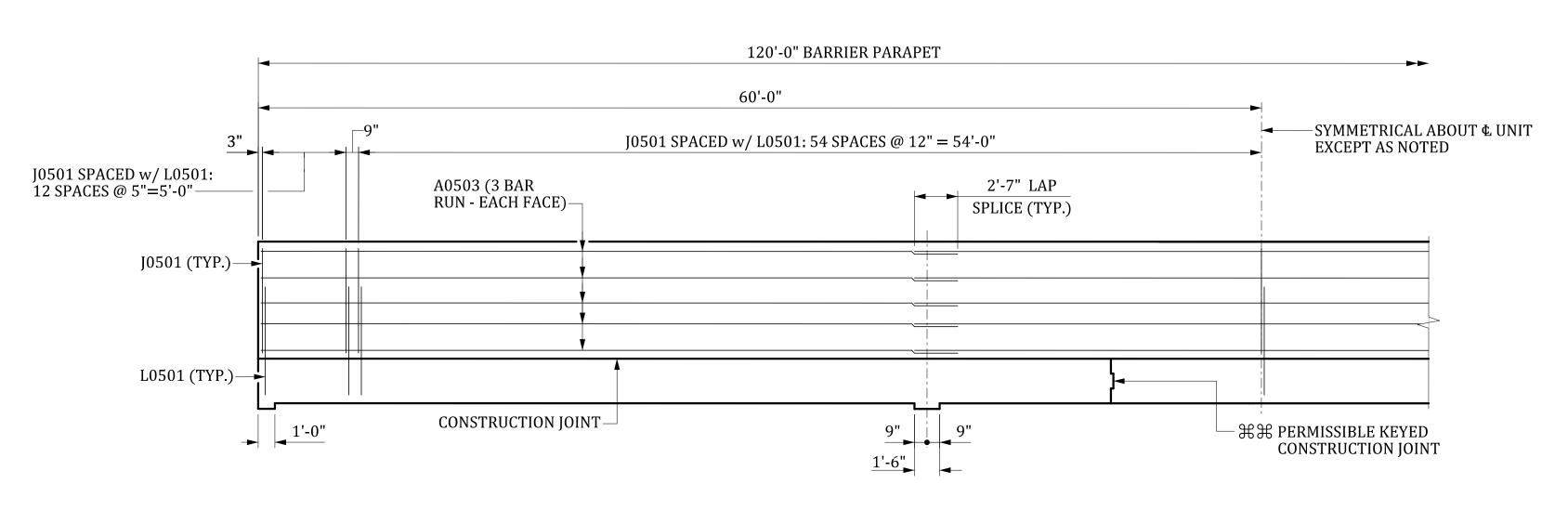
BRIDGE PLANS ID ####-#### ####



40'-0" SPAN 20'-0" 4 SP. @ 12" B0501: 27 SP. @ 24'' = 54'-0'' (TOP) -SYMMETRICAL ABOUT ₲ UNIT 5'-9" LAP SPLICE **UNLESS NOTED OTHERWISE** -A1001 A1002-A0502 TO A1001 A1001 TO A1001 A0502 -B0501 (TOP)-TOP REINFORCING 2'-0" 2'-0" STAGGER STAGGER 10'-0" 12'-0" 17'-4½" 22'-10½" BEGIN OR END ROADWAY BRIDGE & & SYMMETRICAL END BENT 1 OR 4— -**&** BENT 2 OR 3 A0401, KB0401 (END BENT) AND K0401 (INTERIOR BENT) ABOUT & BRIDGE IN BUILD-DOWNS NOT SHOWN. 11'-0" 90°00'00" SECOND POUR FIRST POUR (TYP.)A0501: 58 SP. @ 12" = 58'-0" (TOP & BOTTOM) 2 SP. @ $7\frac{1}{2}$ " = 1'-3" 7'-6" A0501 (TOP & BOTTOM) - A0501 (TOP & BOTTOM) 2'-0" STAGGER 2'-0" STAGGER ARMOR PLATE BOTTOM REINFORCING 1'-6" BUILD-DOWN A0901 -A1003 A0701--A0801 3'-3" LAP SPLICE A0901 TO A0801

120'-0" (OUT TO OUT)

PARTIAL PLAN



PARTIAL ELEVATION

THIS DRAWING IS FURNISHED FOR INFORMATION ONLY. ALL DIMENSIONS SHOWN ARE SHEET SPECIFIC. ANY USE OF THIS DESIGN AND DRAWING, INCLUDING DIMENSIONS, MUST BE CHECKED BY THE USER'S ENGINEER TO ENSURE DESIGN IS ADEQUATE FOR THE INTENDED USE. ALL DRAWINGS MUST BE SIGNED AND SEALED BY A SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WHEN USED. COUNTY: ####

NOTES:

CAST THE 120' CONTINUOUS UNIT IN ONE POUR FROM ONE END OF SPAN TO THE OTHER USING A SUITABLE SCREED. USE AN APPROVED RETARDING AGENT AND ESTABLISH AND MAINTAIN A MINIMUM POURING RATE OF 55 CY PER HOUR UNLESS APPROVED OTHERWISE BY THE RCE. IF A POURING RATE OF 55 CY PER HOUR IS NOT POSSIBLE, CAST THE 120' CONTINUOUS UNIT USING THE PERMISSIBLE KEYED CONSTRUCTION JOINT SHOWN.

DO NOT REMOVE SLAB FALSEWORK UNTIL THE ENTIRE 120' SPAN UNIT HAS BEEN POURED AND CURED ACCORDING TO SECTION 702 OF THE STANDARD SPECIFICATIONS.

CAST BARRIER PARAPET CONCRETE AFTER SLAB FALSEWORK HAS BEEN STRUCK.

FOR ARMOR PLATE DETAIL, SEE "GENERAL DETAILS" SHEET.

FOR TYPICAL SECTION, SECTION THRU BARRIER PARAPET, SLAB BUILD-DOWN DETAILS AND DRAIN DETAILS, SEE "120' FLAT SLAB UNIT (3 SPAN) SUPERSTRUCTURE DETAILS" SHEET.

FOR SLAB DRAIN LOCATIONS, SEE "BRIDGE PLAN AND PROFILE" SHEET.

FOR REINFORCING BENDING DETAILS, SEE "REINFORCING BENDING DETAILS" SHEETS.

★ MASH BARRIER PARAPET

光光 ONLY ONE CONSTRUCTION JOINT IS ALLOWED IN THE 120' CONTINUOUS UNIT.

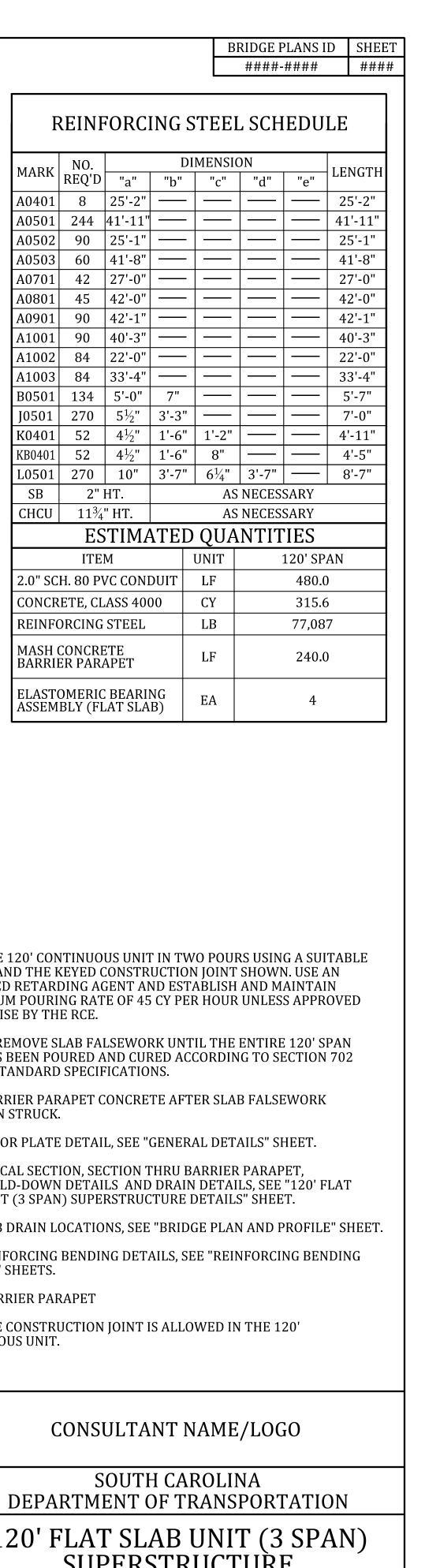
CONSULTANT NAME/LOGO

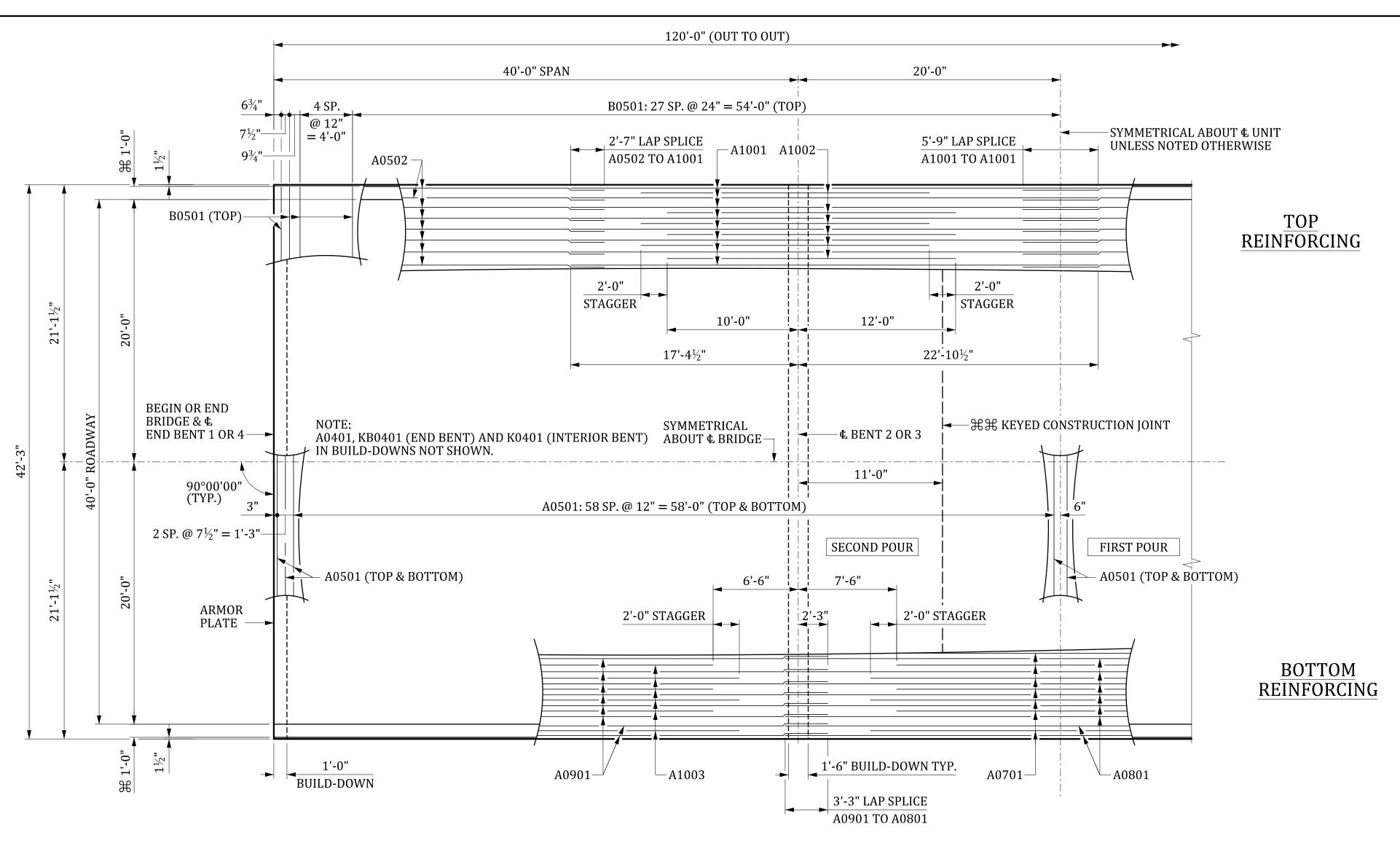
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

120' FLAT SLAB UNIT (3 SPAN) SUPERSTRUCTURE (34'-0" ROADWAY)

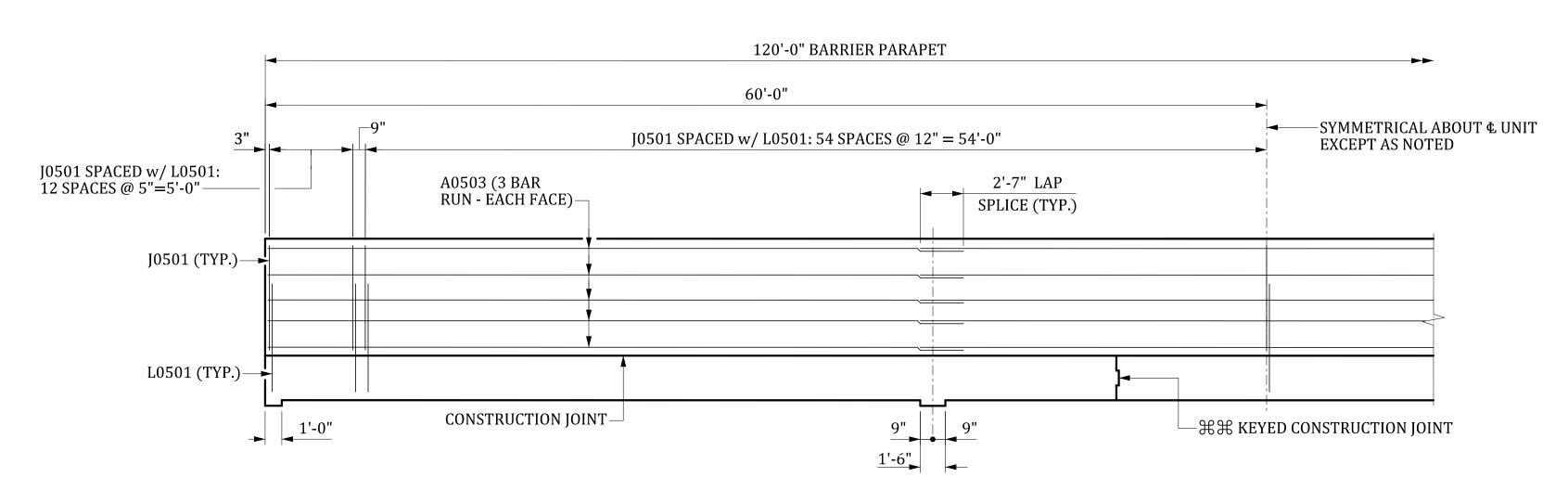
ROUTE: ####

DRAWING NUMBER: 702-FS.S120.3SP.R34





PARTIAL PLAN



PARTIAL ELEVATION

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NOTES:

CAST THE 120' CONTINUOUS UNIT IN TWO POURS USING A SUITABLE SCREED AND THE KEYED CONSTRUCTION JOINT SHOWN. USE AN APPROVED RETARDING AGENT AND ESTABLISH AND MAINTAIN A MINIMUM POURING RATE OF 45 CY PER HOUR UNLESS APPROVED OTHERWISE BY THE RCE.

DO NOT REMOVE SLAB FALSEWORK UNTIL THE ENTIRE 120' SPAN UNIT HAS BEEN POURED AND CURED ACCORDING TO SECTION 702 OF THE STANDARD SPECIFICATIONS.

CAST BARRIER PARAPET CONCRETE AFTER SLAB FALSEWORK HAS BEEN STRUCK.

FOR ARMOR PLATE DETAIL, SEE "GENERAL DETAILS" SHEET.

FOR TYPICAL SECTION, SECTION THRU BARRIER PARAPET, SLAB BUILD-DOWN DETAILS AND DRAIN DETAILS, SEE "120' FLAT SLAB UNIT (3 SPAN) SUPERSTRUCTURE DETAILS" SHEET.

FOR SLAB DRAIN LOCATIONS, SEE "BRIDGE PLAN AND PROFILE" SHEET.

FOR REINFORCING BENDING DETAILS, SEE "REINFORCING BENDING DETAILS" SHEETS.

₩ MASH BARRIER PARAPET

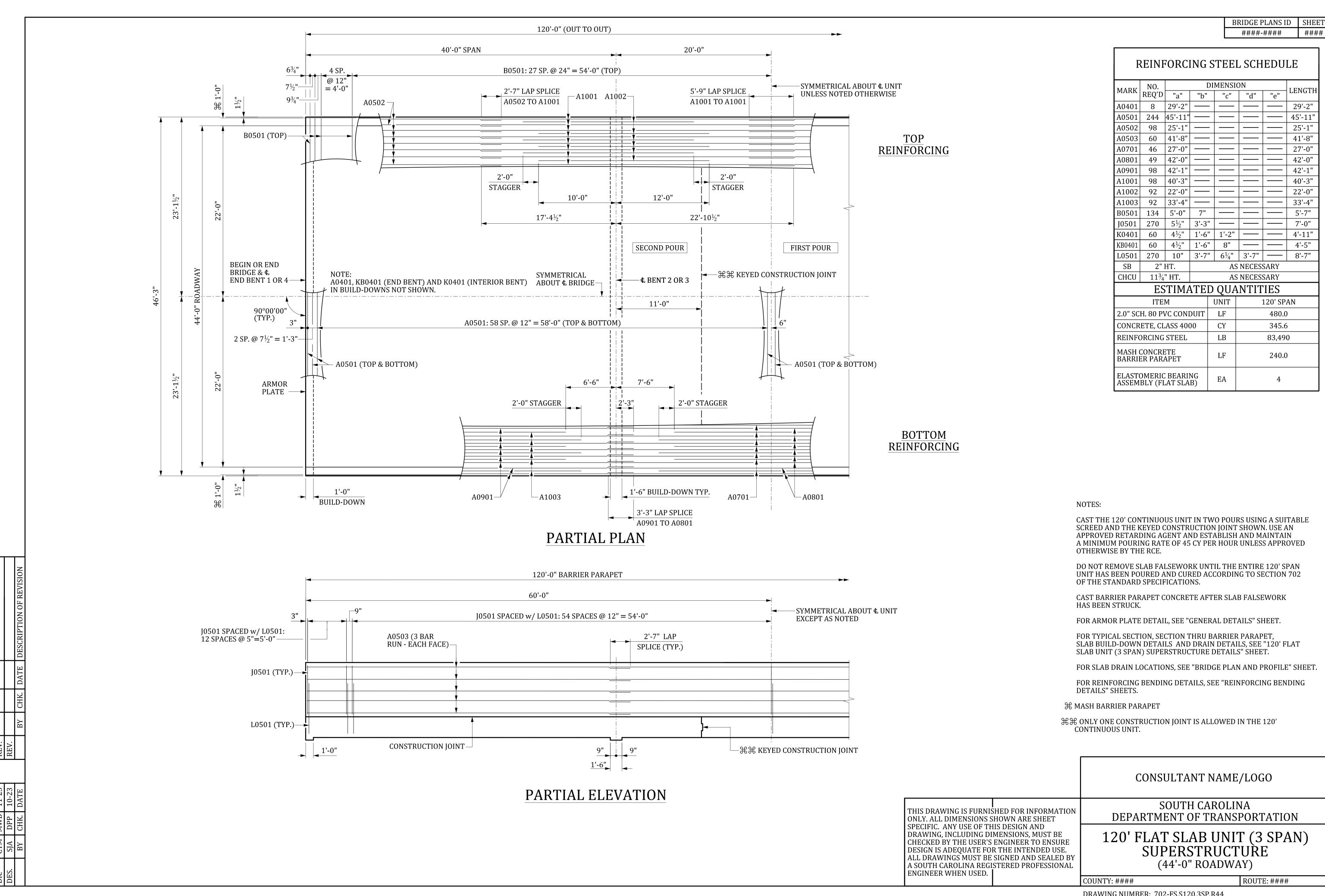
COUNTY: ####

光光 ONLY ONE CONSTRUCTION JOINT IS ALLOWED IN THE 120' CONTINUOUS UNIT.

120' FLAT SLAB UNIT (3 SPAN) SUPERSTRUCTURE (40'-0" ROADWAY)

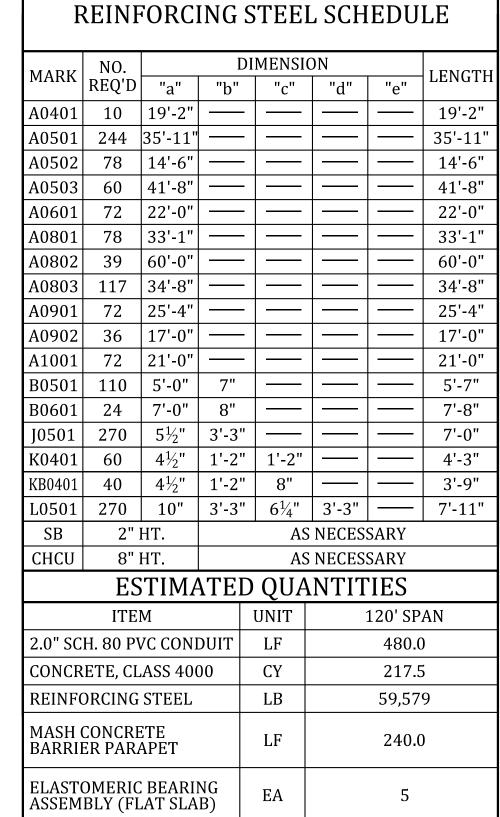
ROUTE: ####

DRAWING NUMBER: 702-FS.S120.3SP.R40



DRAWING NUMBER: 702-FS.S120.3SP.R44

BRIDGE PLANS ID #### ####-####



PARTIAL PLAN

3'-3" LAP SPLICE

A0801 TO A0802

120'-0" (OUT TO OUT)

4'-1" LAP SPLICE

A0803 TO A0803

11'-6"

-**&** BENT 2 OR 4

A0501: 58 SP. @ 12" = 58'-0" (TOP & BOTTOM)

16'-9"

2'-0" STAGGER

B0501: 27 SP. @ 24'' = 54'-0'' (TOP)

-A0803 A1001-

9'-6"

17'-11"

2'-0" STAGGER

-A0901

30'-0" SPAN

2'-0"

STAGGER

SYMMETRICAL

ABOUT & BRIDGE-

– A0803

-

₩ BENT 3

A0501 (TOP & BOTTOM)

└─A0802

7'-6"

└─2'-0" STAGGER

2'-0" STAGGER

A0601-

1'-6" BUILD-DOWN TYP. AT INTERIOR BENTS

-SYMMETRICAL ABOUT & UNIT

TOP

REINFORCING

BOTTOM

REINFORCING

UNLESS NOTED OTHERWISE

30'-0" SPAN

2'-7" LAP SPLICE

2'-0"

STAGGER '

A0401, KB0401 (END BENT) AND K0401 (INTERIOR BENT)

IN BUILD-DOWN'S NOT SHOWN

A0501 (TOP & BOTTOM)

BUILD-DOWN

A0502 TO A0803

B0601 (TOP)-

B0501 (TOP)-

BEGIN OR END

END BENT 1 OR 5

90°00'00"

(TYP.)

2 SP. @ $7\frac{1}{2}$ " = 1'-3"

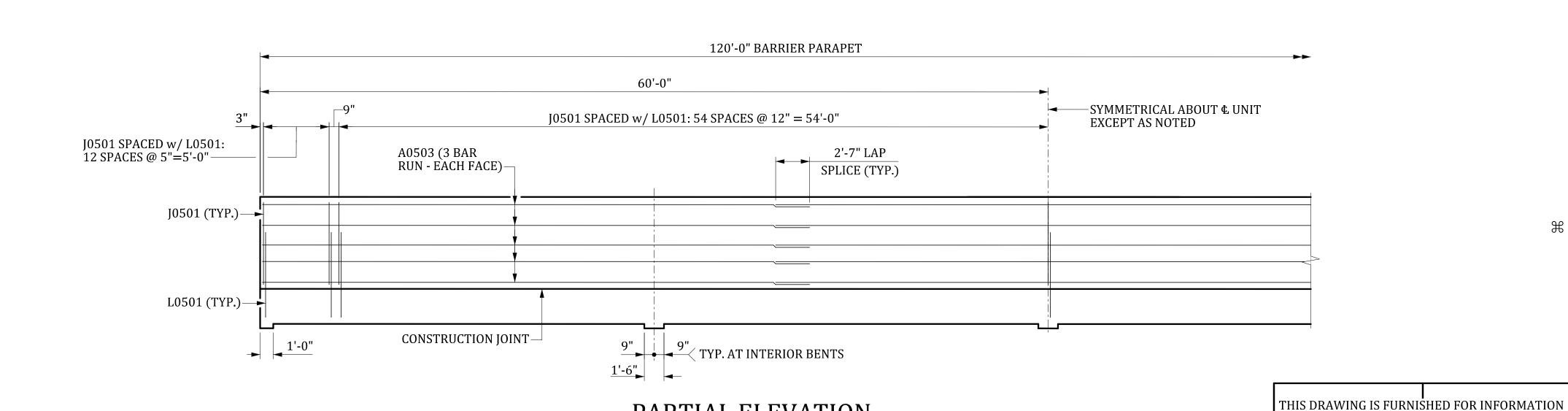
ARMOR

PLATE -

BRIDGE & &

-RO

= 4'-0''



PARTIAL ELEVATION

NOTES:

CAST THE 120' CONTINUOUS UNIT IN ONE POUR FROM ONE END OF SPAN TO THE OTHER USING A SUITABLE SCREED. USE AN APPROVED RETARDING AGENT AND ESTABLISH AND MAINTAIN A MINIMUM POURING RATE OF 45 CY PER HOUR UNLESS APPROVED OTHERWISE BY THE RCE.

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FOR TYPICAL SECTION, SECTION THRU BARRIER PARAPET, SLAB BUILD-DOWN DETAILS AND DRAIN DETAILS, SEE "120' FLAT SLAB UNIT (4 SPAN) SUPERSTRUCTURE DETAILS" SHEET.

FOR SLAB DRAIN LOCATIONS, SEE "BRIDGE PLAN AND PROFILE" SHEET.

FOR REINFORCING BENDING DETAILS, SEE "REINFORCING BENDING DETAILS" SHEETS.

₩ MASH BARRIER PARAPET

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A SOUTH CAROLINA REGISTERED PROFESSIONAL

ENGINEER WHEN USED.

CONSULTANT NAME/LOGO

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

120' FLAT SLAB UNIT (4 SPAN) SUPERSTRUCTURE (34'-0" ROADWAY)

COUNTY: #### ROUTE: ####

DRAWING NUMBER: 702-FS.S120.4SP.R34

BRIDGE PLANS ID #### ####-#### REINFORCING STEEL SCHEDULE LENGTH REQ'D "a" 25'-2" A0401 10 25'-2" A0501 244 41'-11" 41'-11 14'-6" 41'-8" 60 |41'-8"| 22'-0" 84 | 22'-0" | 90 | 33'-1" | ---- | ----33'-1" 45 | 60'-0" | 60'-0" 135 | 34'-8" | 34'-8" 84 | 25'-4" | 25'-4" 17'-0" 21'-0" 84 | 21'-0" | B0501 110 5'-0" 5'-7" 7'-8" J0501 | 270 | 5½" | 3'-3" 7'-0" K0401 78 | 4½" | 1'-2" | 1'-2" 4'-3" KB0401 52 $4\frac{1}{2}$ " 1'-2" 3'-9" L0501 | 270 | 10" | 3'-3" | $6\frac{1}{4}$ " | 3'-3" | $\overline{}$ | 7'-11" 2" HT. AS NECESSARY CHCU 8" HT AS NECESSARY **ESTIMATED QUANTITIES** ITEM UNIT 120' SPAN 2.0" SCH. 80 PVC CONDUIT LF 480.0 CONCRETE, CLASS 4000 253.8 CY 67,955 REINFORCING STEEL LB MASH CONCRETE LF 240.0 BARRIER PARAPET ELASTOMERIC BEARING EA ASSEMBLY (FLAT SLAB) CAST THE 120' CONTINUOUS UNIT IN ONE POUR FROM ONE END FOR TYPICAL SECTION, SECTION THRU BARRIER PARAPET, CONSULTANT NAME/LOGO SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

120'-0" (OUT TO OUT) 30'-0" SPAN 30'-0" SPAN 4 SP. @ 12" = 4'-0" B0501: 27 SP. @ 24" = 54'-0" (TOP) 2'-7" LAP SPLICE 4'-1" LAP SPLICE -A0803 A1001--SYMMETRICAL ABOUT & UNIT A0502 TO A0803 A0803 TO A0803 UNLESS NOTED OTHERWISE B0601 (TOP)-TOP B0501 (TOP)— REINFORCING -+2'-0" 2'-0" STAGGER ' STAGGER **►** ## PERMISSIBLE KEYED 9'-6" 11'-6" 7'-6" **CONSTRUCTION JOINT** -2'-0" STAGGER 17'-11" 16'-9" 6'-6" BEGIN OR END BRIDGE & & END BENT 1 OR 5 ROADWAY ♣ EBENT 3 **SYMMETRICAL** -**¢** BENT 2 OR 4 A0401, KB0401 (END BENT) AND K0401 (INTERIOR BENT) ABOUT & BRIDGE-IN BUILD-DOWN'S NOT SHOWN. SECOND POUR FIRST POUR 90°00'00" (TYP.)A0501: 58 SP. @ 12" = 58'-0" (TOP & BOTTOM) 2 SP. @ $7\frac{1}{2}$ " = 1'-3" A0501 (TOP & BOTTOM) **→** A0501 (TOP & BOTTOM) 4'-6" | 5'-6" 2'-0" STAGGER 2'-0" STAGGER 2'-0" STAGGER ARMOR PLATE -**BOTTOM** REINFORCING 3'-3" LAP SPLICE -A0901 A0601--A0802BUILD-DOWN A0801 TO A0802 1'-6" BUILD-DOWN TYP. AT INTERIOR BENTS

PARTIAL PLAN

60'-0"

A0503 (3 BAR RUN - EACH FACE)—

CONSTRUCTION JOINT –

J0501 SPACED w/ L0501:

J0501 (TYP.) →

L0501 (TYP.)-

1'-0"

12 SPACES @ 5"=5'-0"

J0501 SPACED w/ L0501: 54 SPACES @ 12" = 54'-0"

9" | 9" TYP. AT INTERIOR BENTS

PARTIAL ELEVATION

120'-0" BARRIER PARAPET

2'-7" LAP

SPLICE (TYP.)

-SYMMETRICAL ABOUT & UNIT

- 米米 PERMISSIBLE KEYED

CONSTRUCTION JOINT

ENGINEER WHEN USED.

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EXCEPT AS NOTED

NOTES:

SB

OF SPAN TO THE OTHER USING A SUITABLE SCREED. USE AN APPROVED RETARDING AGENT AND ESTABLISH AND MAINTAIN A MINIMUM POURING RATE OF 55 CY PER HOUR UNLESS APPROVED OTHERWISE BY THE RCE. IF A POURING RATE OF 55 CY PER HOUR IS NOT POSSIBLE, CAST THE 120' CONTINUOUS UNIT USING THE PERMISSIBLE KEYED CONSTRUCTION JOINT SHOWN.

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FOR REINFORCING BENDING DETAILS, SEE "REINFORCING BENDING DETAILS" SHEETS.

₩ MASH BARRIER PARAPET

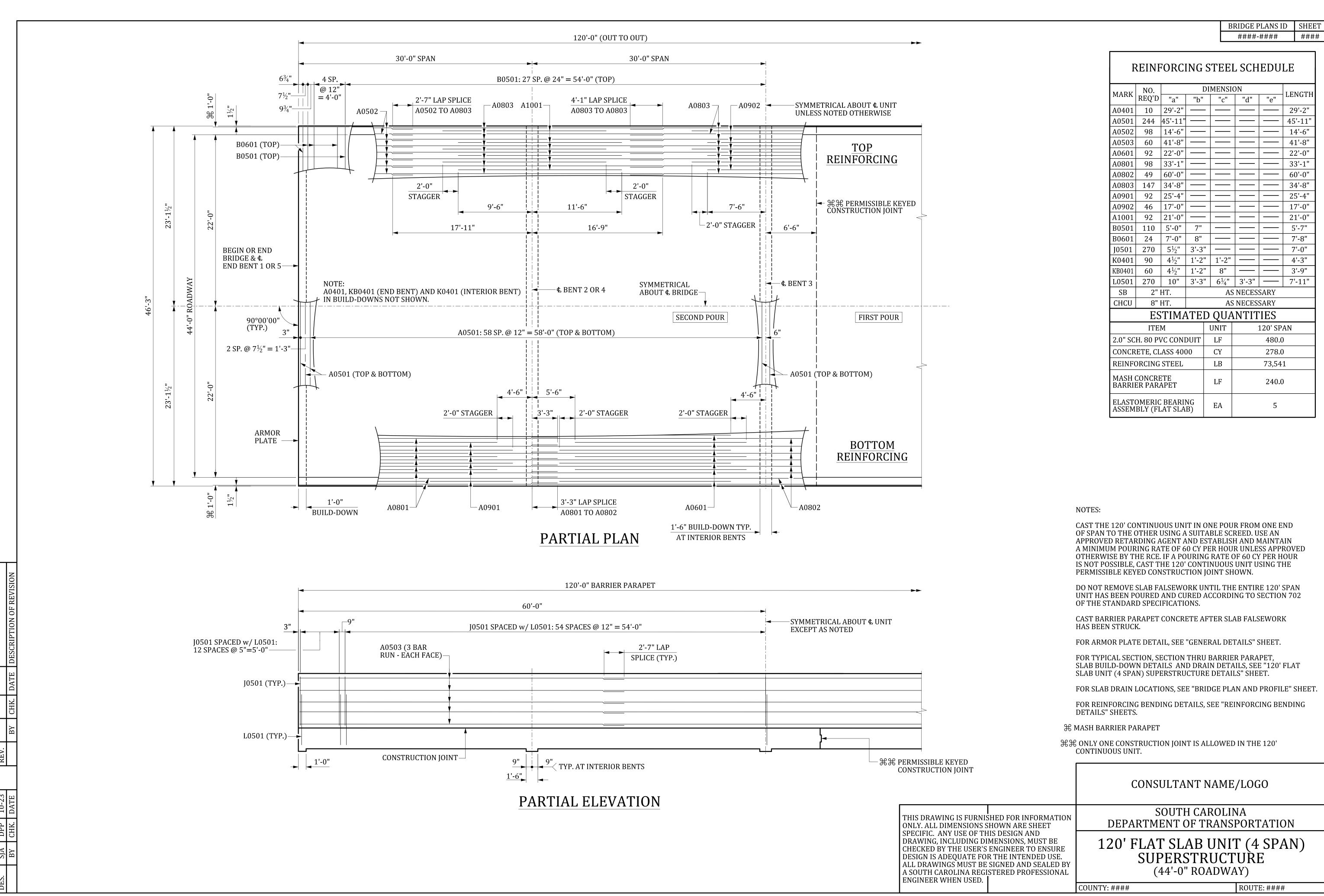
COUNTY: ####

光光 ONLY ONE CONSTRUCTION JOINT IS ALLOWED IN THE 120' CONTINUOUS UNIT.

120' FLAT SLAB UNIT (4 SPAN) SUPERSTRUCTURE (40'-0" ROADWAY)

ROUTE: ####

DRAWING NUMBER: 702-FS.S120.4SP.R40



DRAWING NUMBER: 702-FS.S120.4SP.R44