Precast Slab Bridge Channels

- Precast Flats 17” x 3’6” x 27’11.5” 60 degree right

  Quantity: 3

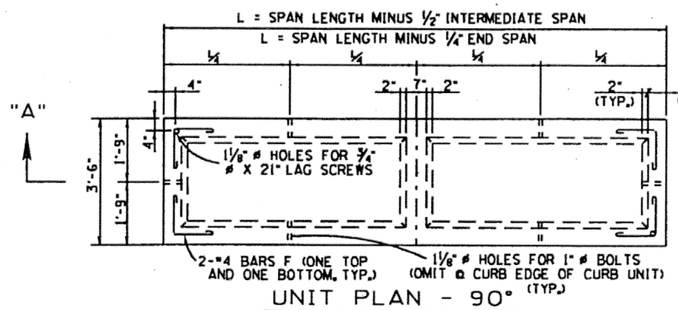
- Precast Curbs 17” x 3’9” x 27’11.5” 60 degree right

  Quantity: 3

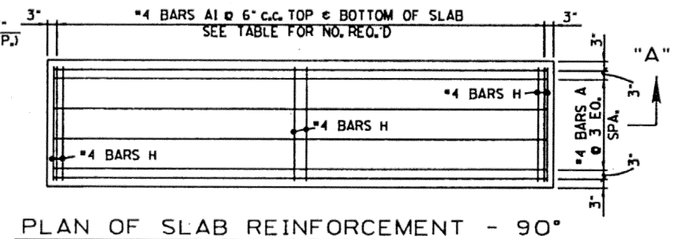
- Precast Flats 17” x 3’6” x 18’11.5” 90 degree

  Quantity: 10

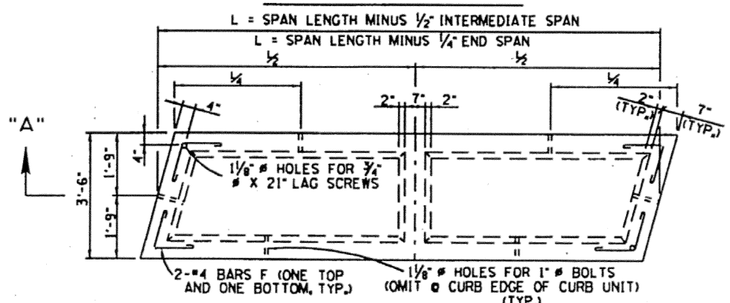
Please see the attached generic drawings. Use the exact dimensions listed above.



UNIT PLAN - 90°

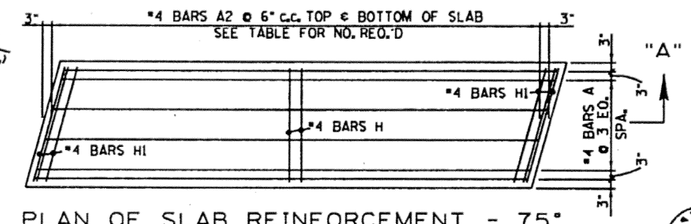


PLAN OF SLAB REINFORCEMENT - 90°

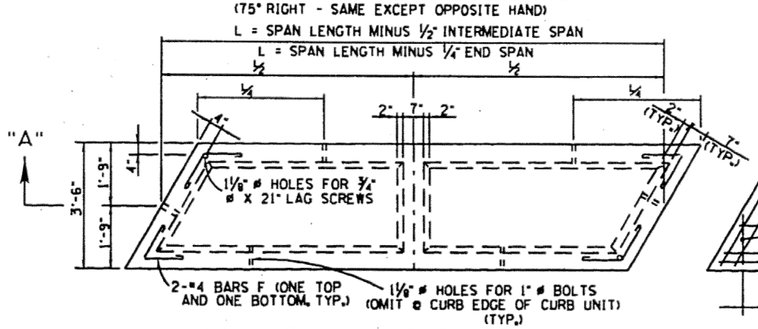


UNIT PLAN - 75° (LEFT)

(75° RIGHT - SAME EXCEPT OPPOSITE HAND)

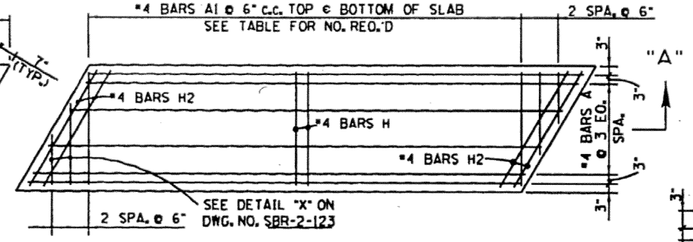


PLAN OF SLAB REINFORCEMENT - 75°

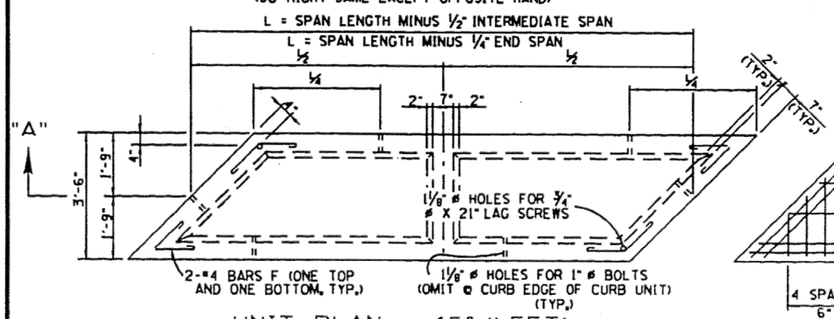


UNIT PLAN - 60° (LEFT)

(60° RIGHT-SAME EXCEPT OPPOSITE HAND)

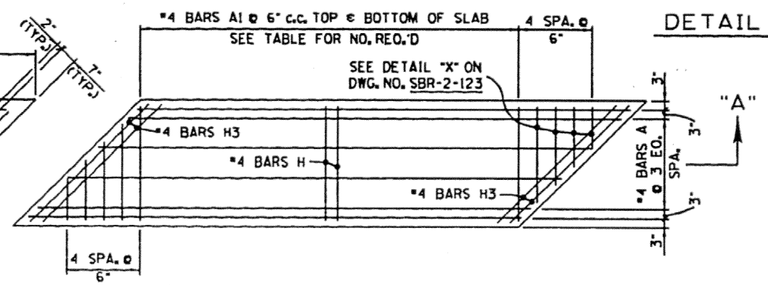


PLAN OF SLAB REINFORCEMENT - 60°



UNIT PLAN - 45° (LEFT)

(45° RIGHT-SAME EXCEPT OPPOSITE HAND)



PLAN OF SLAB REINFORCEMENT - 45°

SPECIAL NOTE: ALL 1⅛" ø HOLES FOR ¾" ø X 21" LAG SCREWS WITH SQUARE HEAD TO BE CORED 2¼" ø FOR A DEPTH OF 1¼" FOR COUNTERSINKING. COUNTERSUNK HOLES TO BE SEALED OVER. ALL HARDWARE, EXCEPT LAG SCREWS TO BE GALVINIZED.

GENERAL NOTES

SPECIFICATIONS: STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION. (CURRENT EDITION)

DESIGN SPECIFICATIONS: AASHTO 1992 EDITION WITH ADDENDA.

REINFORCING STEEL: SEE THE STANDARD SPECIFICATIONS.

STRUCTURAL STEEL: SHALL CONFORM TO AASHTO M270 GRADE 36 (ASTM A709 GRADE 36) UNLESS OTHERWISE NOTED.

SHOP DRAWINGS: SHALL BE SUBMITTED ACCORDING TO SPECIAL PROVISION NO. 105A, EXCEPT SHOP DRAWINGS SHALL BE SUBMITTED TO THE HEADQUARTERS BRIDGE INSPECTION AND REPAIR OFFICE IN LIEU OF THE DIVISION OF STRUCTURES.

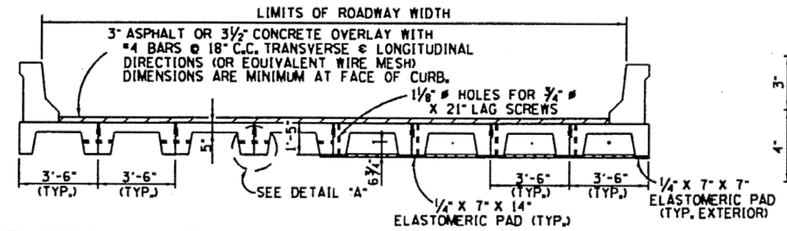
CONCRETE: TO BE CLASS "A" (CAST-IN-PLACE). * f'c=3,000 P.S.I. MIN. CONCRETE SHALL BE PLACED IN ACCORDANCE WITH SECTION 604-CONCRETE STRUCTURES OF THE STANDARD SPECIFICATIONS.

* NOTE: SEE STRENGTH OF CONCRETE TABLES ON DWG. NO. SBR-2-123.

PROJECT NO.	YEAR	SHEET NO.
	1992	

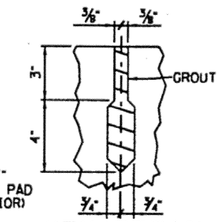
REVISIONS

	NO.	DATE	BY	BRIEF DESCRIPTION
B/R	1	2-23-95	TO	REVISED GENERAL NOTES & REMOVED SIGNATURES
B/R	2	1-4-96	TO	REVISED BR DRAWING NO. TO SBR DRAWING NO. AND REVISED STD-2-1 TO STD-1-1

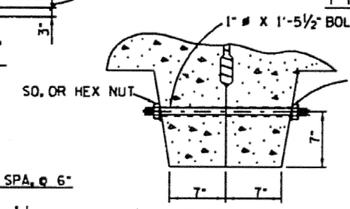


TYPICAL AT MID-SPAN TYPICAL AT SUPPORTS

TYPICAL CROSS-SECTION

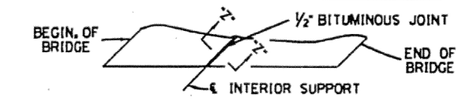


KEY DETAIL



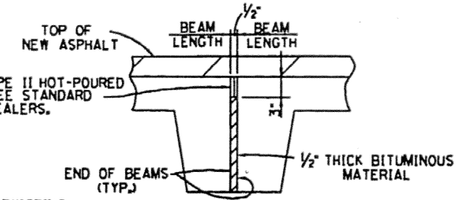
NOTE: IF RECESSED SLOT IS USED, EITHER SQUARE WASHERS 2" X 2" X 5/16" OR STD. STEEL ROUND PLATE WASHER 2½" O.D. X 1/64" MAY BE USED.

DETAIL "A"



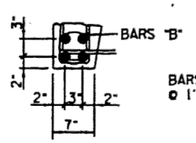
PLAN SHOWING BITUMINOUS JOINTS AT BEAM ENDS

(SHOWING LT. SKEW, RT. SKEW SIMILAR)

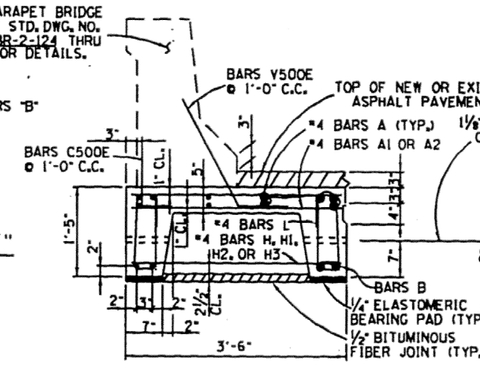


SECTION "Z-Z"

CONCRETE PARAPET BRIDGE RAILING. SEE STD. DWG. NO. STD-1-1 & SBR-2-124 THRU SBR-2-126 FOR DETAILS.

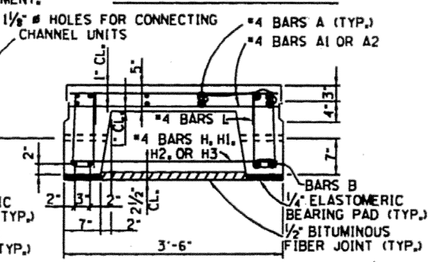


DETAIL "Y"

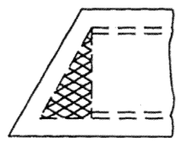


TYPICAL FACIA UNIT

NOTE: SEE DETAIL "Y" WHEN (4) FOUR BARS "B" ARE REQUIRED PER STEM OF CHANNEL UNIT.



TYPICAL INTERIOR UNIT



ALTERNATE DETAIL

(FOR ENDS OF SKEWED BEAMS)

NOTE: THE FABRICATOR MAY POUR THE ADDITIONAL SECTION OF CONCRETE SHOWN CROSSHATCHED BUT NO ADDITIONAL PAYMENT WILL BE MADE.

B/R MINOR REVISION - FHWA APPROVAL NOT REQUIRED

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

DETAILS FOR PRECAST SLAB BRIDGE CHANNELS
SPANS 16'-0" THRU 34'-0"
SKEWS 90°-75°-60°-45°
1992

SBR-2-122

WITH DWG. NO. SBR-2-123

DESIGNED BY	M.B.O. & W.M.M.	DATE 11-91
DRAWN BY	GEORGE KORNINGSKI	DATE 12-91
SUPERVISED BY	M.B.O.	DATE 12-91
CHECKED BY	McINTURFF	DATE 2-92