

NOTES:

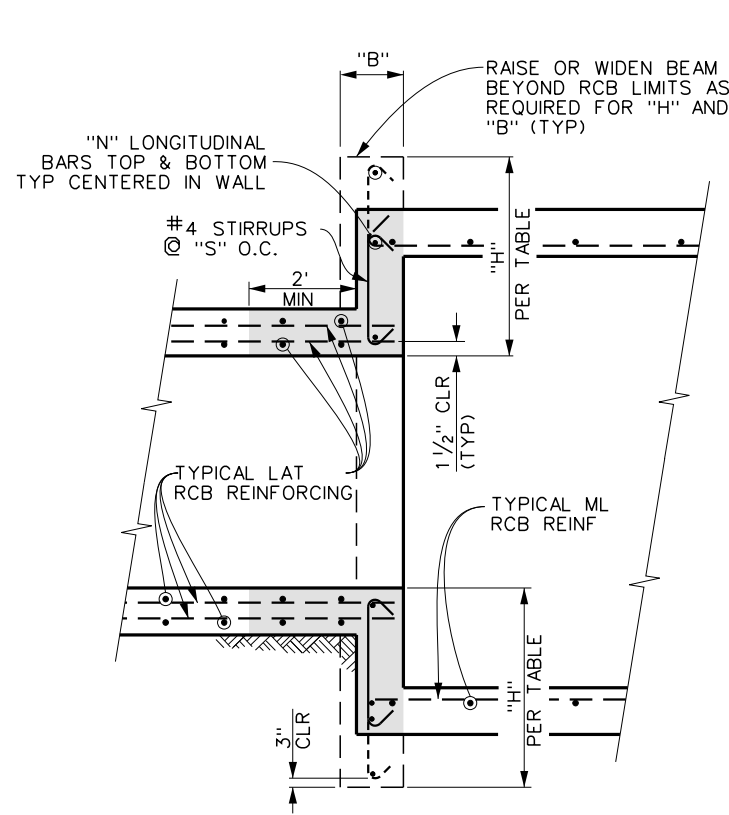
1. FOR INSTRUCTION ON USE OF THIS STANDARD, GENERAL NOTES AND DESIGN TABLES, SEE SHEET 3. VARIABLES B, H, N AND S PROVIDED IN TABLES A, B, OR C ON SHEET 3. DESIGN CASE SHALL BE SHOWN ON PLANS.
2. PROTECT EXISTING REINFORCING. NOT ALL REINFORCING SHOWN. ANY BARS EXPOSED SHALL HAVE CONCRETE REMOVED TO 1". CONTINUE EXISTING LONGITUDINAL WALL STEEL THROUGH LAP LENGTH SHOWN.
3. ROUGHEN SURFACE TO APPROXIMATE 1/4" AMPLITUDE. SURFACE SHALL BE CLEANED AND FREE OF LAITANCE.
4. CUT LATERAL REINFORCING WHERE INTERSECTS WITH INSIDE OF MAINLINE RCB WALL, MAINTAIN 1/2" CLEAR FROM INSIDE FACE.
5. ABBREVIATIONS SHALL BE AS DEFINED:
 - ML MAIN LINE
 - LAT LATERAL
 - T1 DECK THICKNESS PER CALTRANS STANDARD PLANS OR PROJECT DRAWINGS
 - T3 INVERT THICKNESS PER CALTRANS STANDARD PLANS OR PROJECT DRAWINGS
6. "X" BAR, SEE TABLE ON SHEET 3 AND DETAIL 1 ON SHEET 2.

$f'_c = 3,600$ PSI
 $F_y = 60,000$ PSI

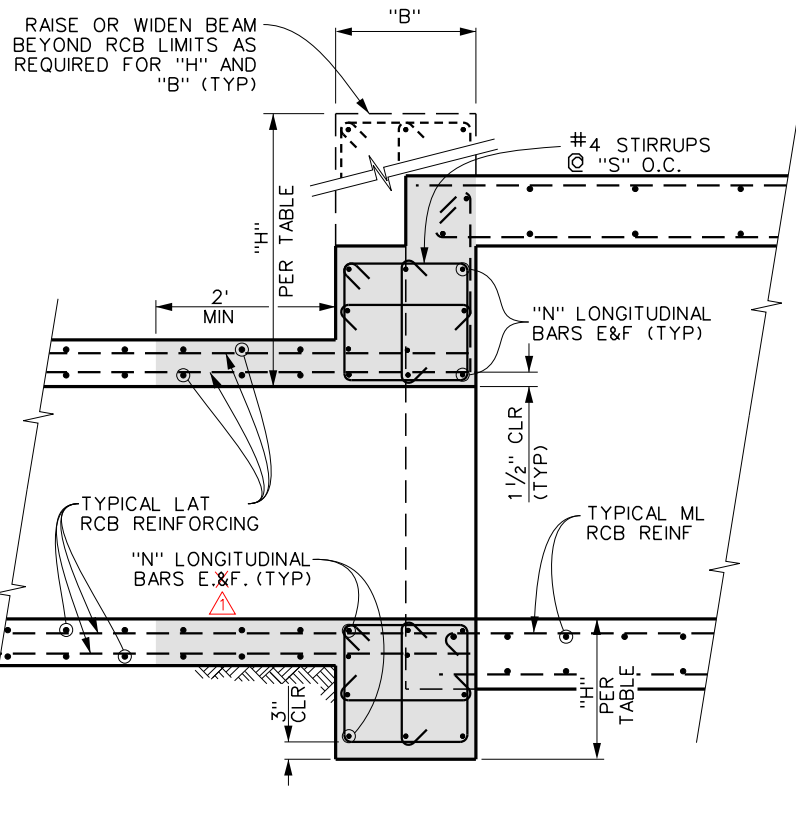
BAR SIZE	ALL BARS
#3	1'-1"
#4	1'-6"
#5	1'-9"
#6	2'-2"
#7	2'-10"
#8	3'-8"
#9	4'-8"
#10	5'-11"
#11	7'-3"

LAP SCHEDULE

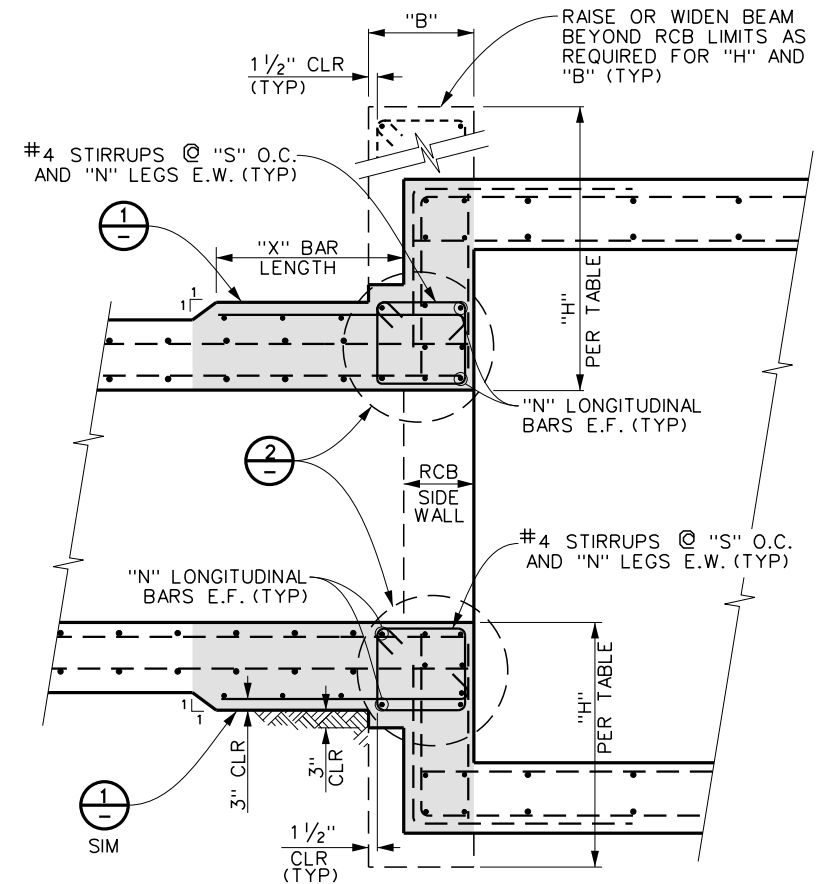
	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		JUNCTION STRUCTURE NO. 5
	APPROVED BY: <i>[Signature]</i> GENERAL MANAGER-CHIEF ENGINEER DATE: 08/2015	APPROVED BY: <i>[Signature]</i> CHIEF, DESIGN & CONSTRUCTION DATE: 08/2015	R.C.E. NO. 59795
			STANDARD DRAWING NUMBER JS230 SHEET 1 OF 3



N=1, WITHOUT "X" BARS
NTS

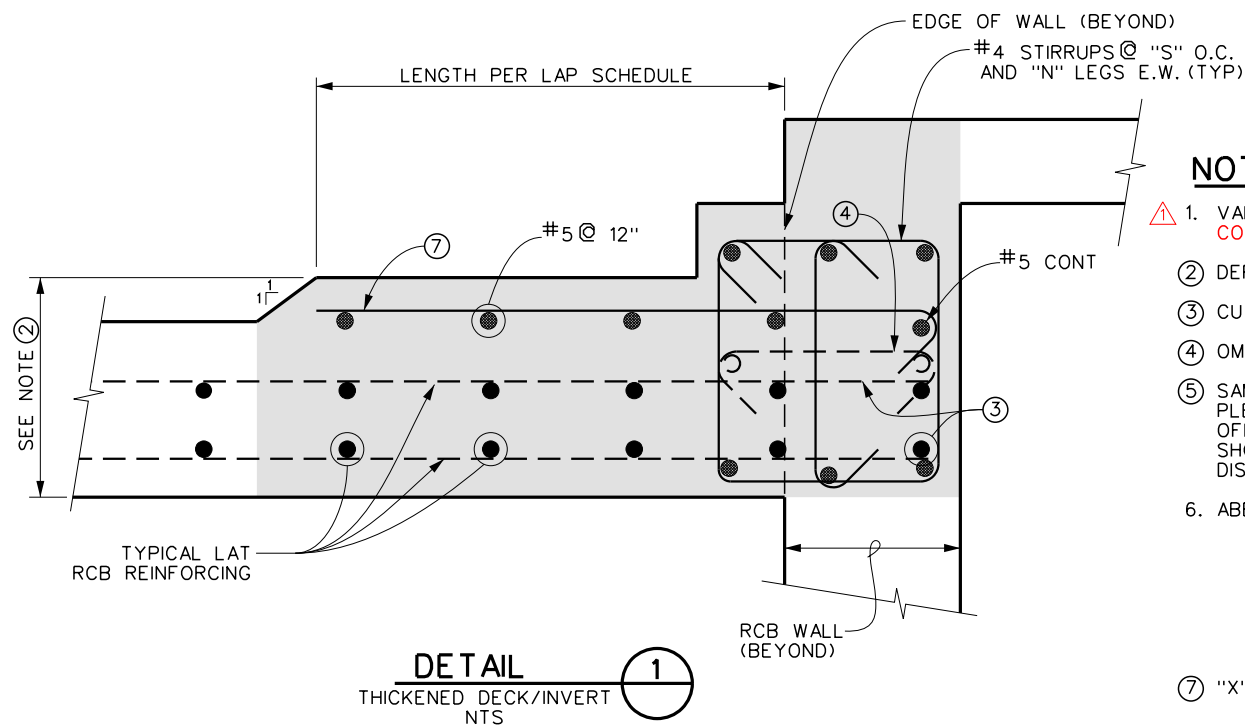


N > 1, WITHOUT "X" BARS
NTS



N > 1, WITH "X" BARS
NTS

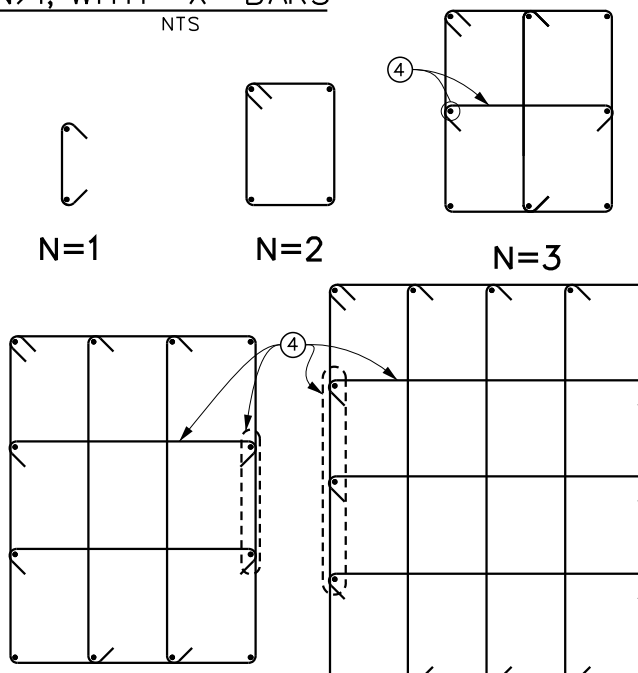
TYPICAL SECTION B
BEAM SECTION
SEE NOTE ⑤
NTS



DETAIL 1
THICKENED DECK/INVERT
NTS

NOTES:

- ① VARIABLES B, H, N AND S PROVIDED IN TABLES A, B OR C ON SHEET 3. N IS THE BAR CONFIGURATION PER DETAIL 2 HEREON, THE SIZE OF BARS IS PER THE TABLES ON SHEET 3.
- ② DEPTH OF THICKENED SLAB SHALL MATCH THE MAIN LINE DECK OR INVERT, WHICHEVER IS GREATER.
- ③ CUT LATERAL REINFORCING OF MAINLINE RCB WALL TO MAINTAIN 1/2" CLEAR FROM INSIDE FACE.
- ④ OMIT HORIZONTAL TIES AND BARS WHERE TIE IS WITHIN LATERAL SLAB, INVERT OR THICKENED EDGE.
- ⑤ SAMPLE CONFIGURATIONS OF LATERAL, MAIN LINE AND JUNCTION STRUCTURE GEOMETRIES ARE SHOWN. PLEASE NOTE THE POSITION OF THE LATERAL TO THE MAINLINE MAY VARY, SUCH AS MATCHING OR OFFSET INVERT ELEVATIONS, AND MATCHING OR OFFSET TOP SLAB ELEVATIONS. REINFORCING STEEL SHOP DRAWINGS SHOWING SPECIFIC GEOMETRY AND REINFORCING SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
6. ABBREVIATIONS SHALL BE AS DEFINED:
ML MAIN LINE
LAT LATERAL
T1 DECK THICKNESS PER CALTRANS STANDARD PLANS OR PROJECT DRAWINGS
T3 INVERT THICKNESS PER CALTRANS STANDARD PLANS OR PROJECT DRAWINGS
- ⑦ "X" BAR, SEE TABLE ON SHEET 3 AND DETAIL 1.



DETAIL 2
BEAM REINFORCEMENT DETAILING
NTS

REF.	DESCRIPTION	APPR.	DATE
①	CORRECT TYPO: ADD TEXT TO NOTE 1 ON SHEET 2 OF 3		7/2020



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

APPROVED BY: *[Signature]*
GENERAL MANAGER-CHIEF ENGINEER
DATE: 08/2015

APPROVED BY: *[Signature]*
CHIEF, DESIGN & CONSTRUCTION
DATE: 08/2015

R.C.E. No. 59795 R.C.E. No. 70355

JUNCTION STRUCTURE NO. 5
STANDARD DRAWING NUMBER JS230
SHEET 2 OF 3

