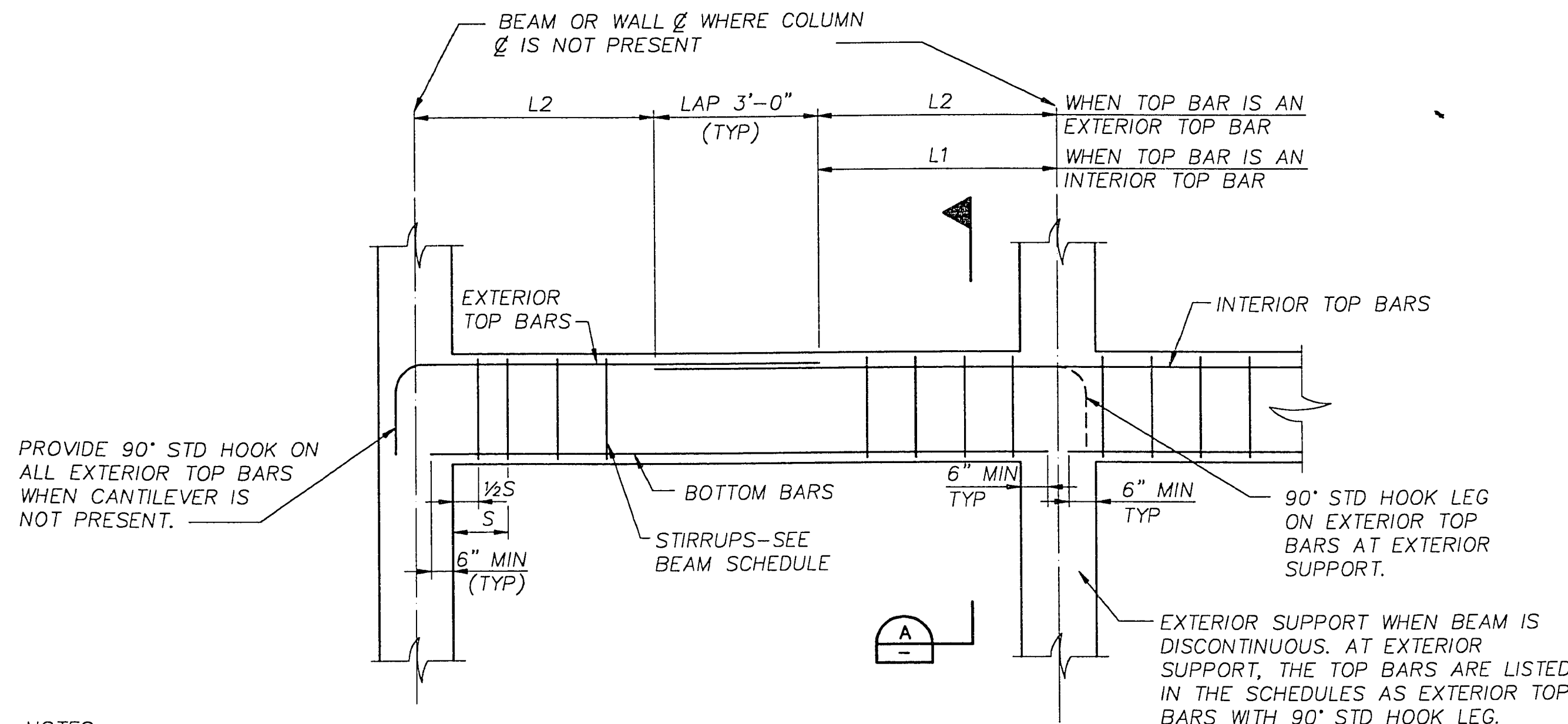
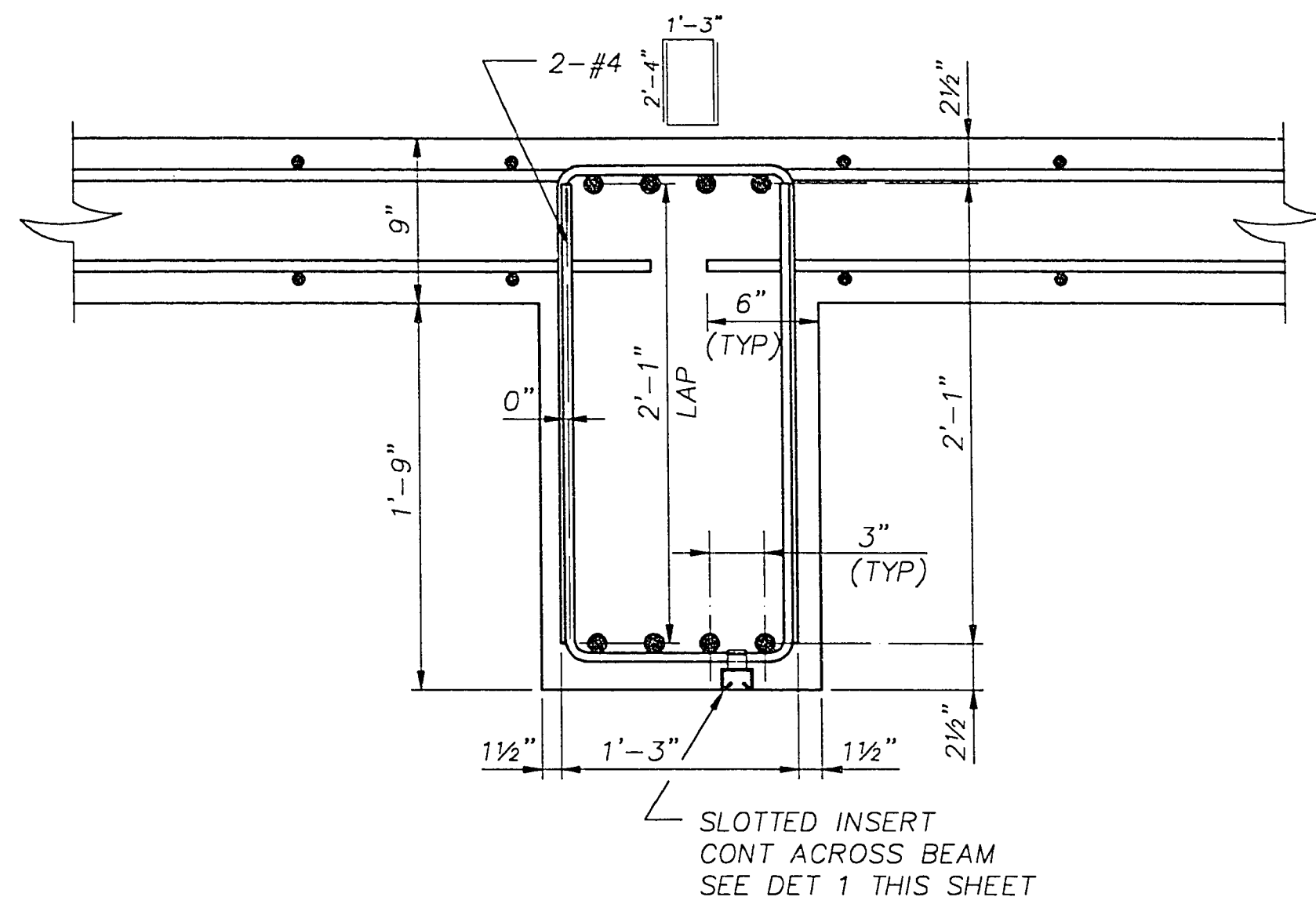




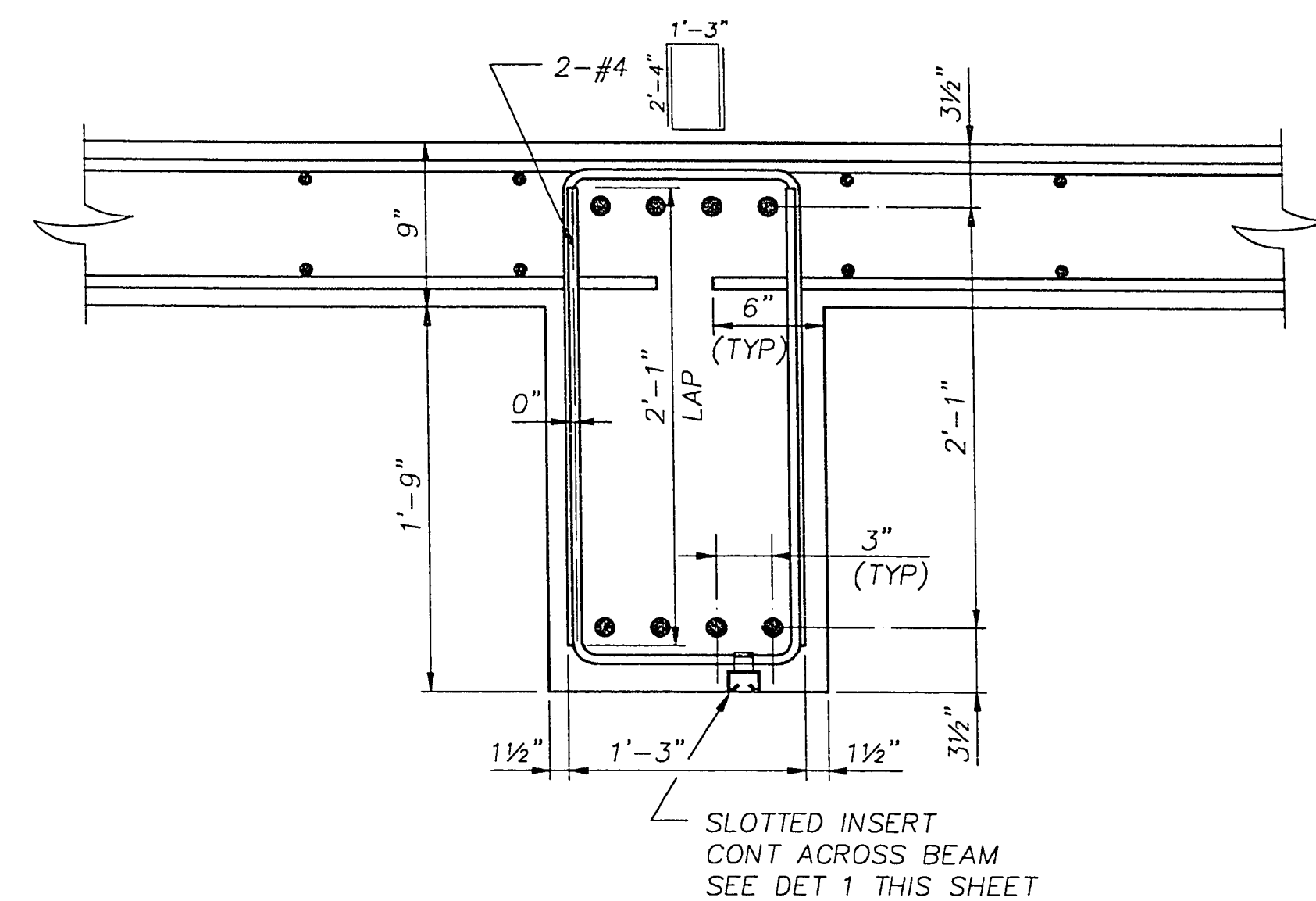
- NOTES:
- INTERIOR TOP BARS IN THE BEAM SCHEDULE ARE THOSE LOCATED AT SUPPORTS WHERE BEAMS ARE CONTINUOUS ACROSS THE SUPPORT.
 - STIRRUP SPACINGS (S) INDICATED IN THE SCHEDULES START AT THE FACE OF THE SUPPORT. IN ADDITION TO ALL SCHEDULED STIRRUPS, PROVIDE ONE ADDITIONAL STIRRUP AT 1/2 THE FIRST SCHEDULED SPACING AT EACH FACE OF EACH SUPPORT.



EAST-WEST BEAM (1'-6" WIDE)

NOTE:
THE SPACING AND LOCATION OF THE BEAM REINFORCEMENT IS SHOWN ON TYPICAL SECTIONS BY BEAM ORIENTATION.

SECTION
1 1/2"=1'-0"

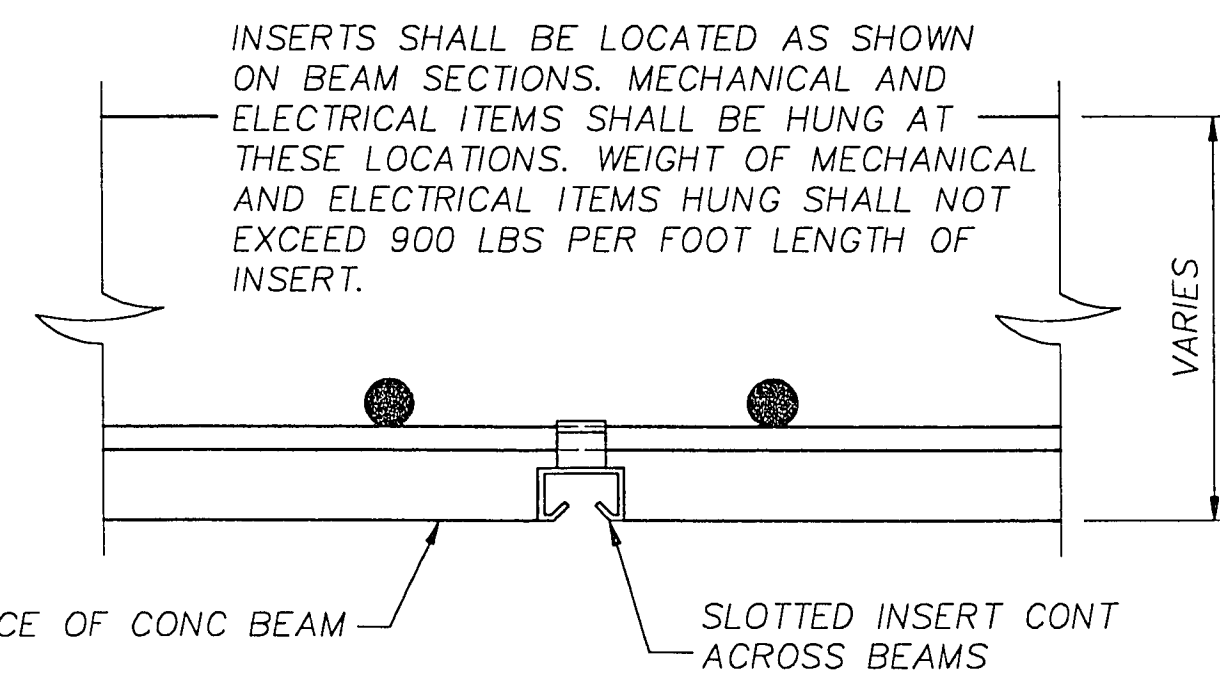


NORTH-SOUTH BEAM (1'-6" WIDE)

BEAM SCHEDULE													
MARK	SIZE		BOTTOM BARS			INTERIOR TOP BARS				EXTERIOR TOP BARS			
	W	D	NO	SIZE	LENGTH	NO	SIZE	LENGTH	L1	NO	SIZE	LENGTH*	L2
B-1	18"	30"	4	#7	21'-9"	4	#7	25'-5"	9'-7"	4	#6	13'-11"	9'-7"
B-2	18"	30"	4	#6	22'-2"	4	#7	25'-5"	9'-10"	-	-	-	-
B-3	18"	30"	4	#6	21'-9"	4	#6	25'-5"	9'-7"	4	#6	13'-11"	9'-7"
B-4	18"	30"	4	#6	22'-2"	4	#6	25'-5"	9'-10"	-	-	-	-
B-5	18"	30"	4	#6	20'-10"	4	#6	25'-5"	9'-7"	-	-	-	-
B-6	18"	30"	4	#6	12'-7"	4	#6	16'-0"	5'-0"	4	#6	9'-4"	4'-11"
B-7	18"	30"	4	#6	11'-6"	4	#6	16'-0"	5'-0"	-	-	-	-
B-8	12"	18"	4	#5	9'-10"	-	-	-	-	-	-	-	-
B-9	12"	18"	4	#5	14'-4"	-	-	-	-	-	-	-	-
B-10	14"	24"	-	-	-	-	-	-	-	-	-	-	-

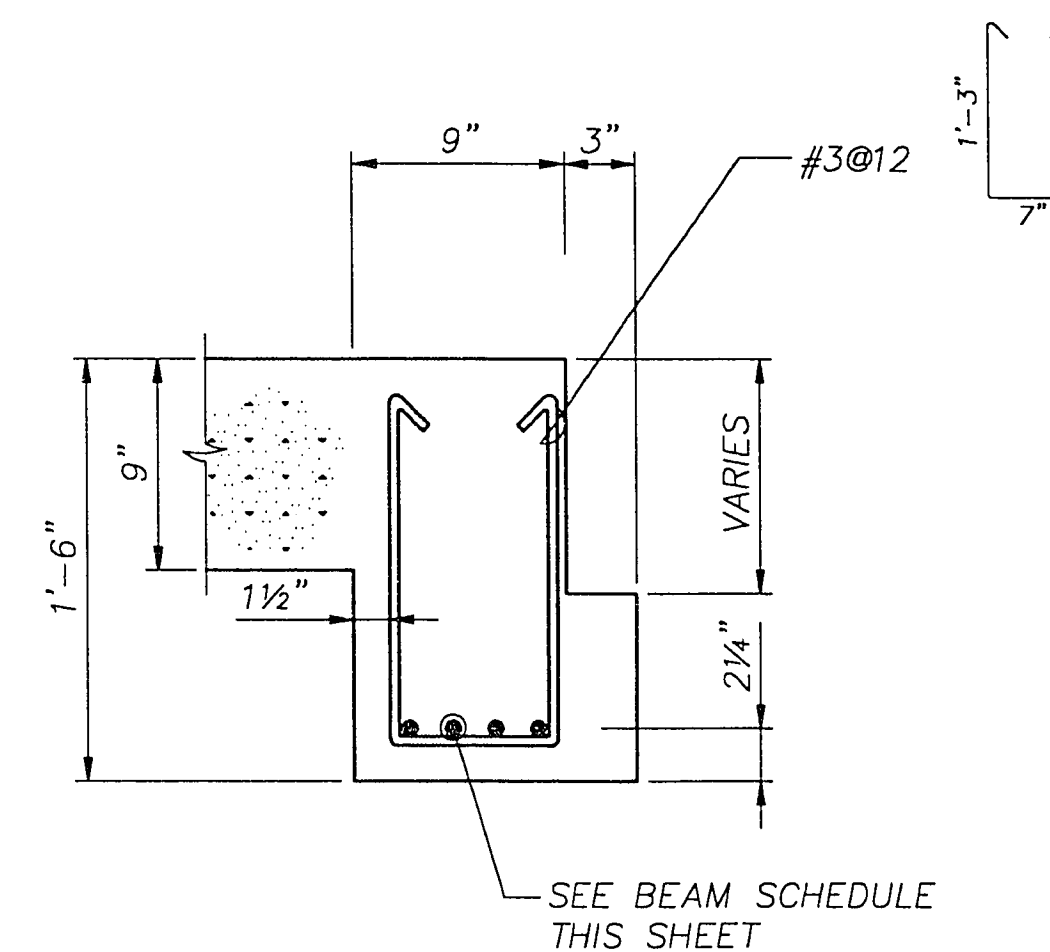
* LENGTH INCLUDES STANDARD HOOK LENGTH

NOTE:
SEE TYPICAL BEAM REINFORCING DETAIL ABOVE AND SECTION "A", THIS SHEET FOR EXPLANATION OF BEAM SCHEDULE NOTATIONS.

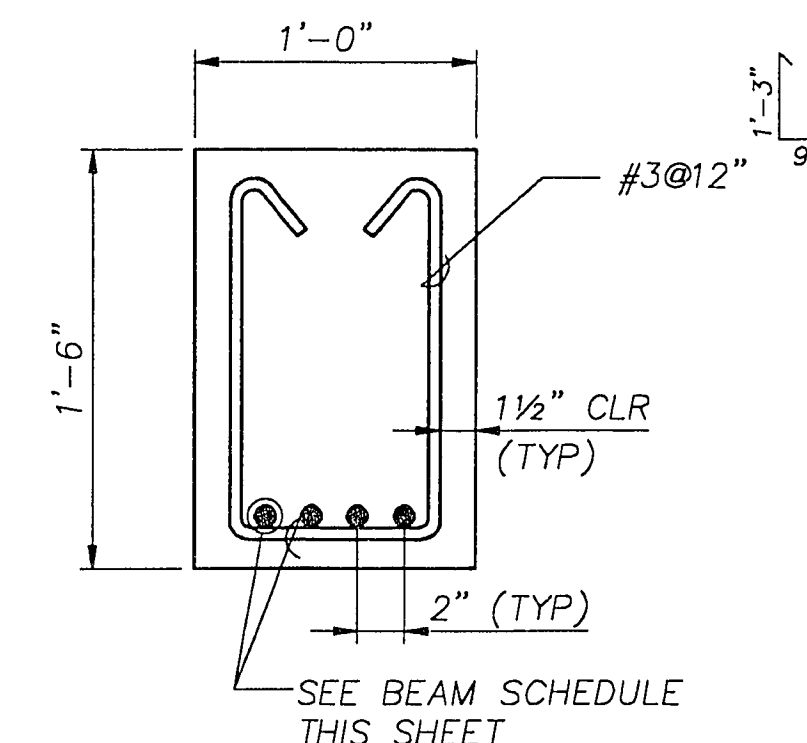


DETAIL
3"=1'-0"

- NOTES:
- SEE STRUCTURAL SECTIONS ABOVE FOR LOCATIONS
 - PLACE IN BOTTOM OF BEAMS AS SHOWN IN SECTION "A" ON THIS DRAWING

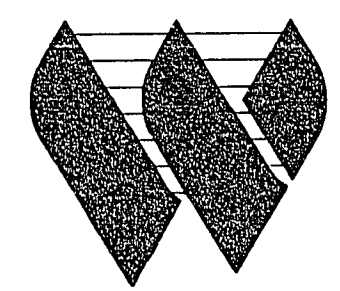


B-8 SECTION
1 1/2"=1'-0"



B-9 SECTION
1 1/2"=1'-0"

BEAM DETAIL

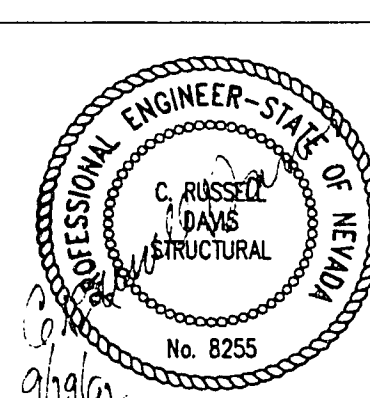


G.C. WALLACE, INC.
Engineering/Architecture



HDR Engineering, Inc.

Issue No.	Description	Date	Drawn	Checked	Responsible	Project Mgr.
1	CORRECTED ACCORDING TO CONSTRUCTION RECORD	1/95	RRL	EFH	MJH	JJC
0	ISSUED FOR CONSTRUCTION	8/20/92	RCH	CRD	CRD	JJC
A	ISSUED FOR BID	4/20/92	JH	CLS	CRD	JJC



Project Manager	JOHN J. CHUEH
Architect	INQ/Process
Civil	Mechanical
Electrical	Structural
Drawn By	R. DAVIS
Check By	J. HIRSHOUER

City of Las Vegas
Water Pollution Control Facility
Nitrification / Filtration Facilities
Contract 17
NITRIFICATION COMPLEX

CENTRIFUGE BUILDING
BEAM SCHEDULE,
SECTIONS AND DETAILS

Date	APRIL 1992	Project No.	00120-084-141	Drawing No.	S-507	Issue	1
Scale	AS NOTED						