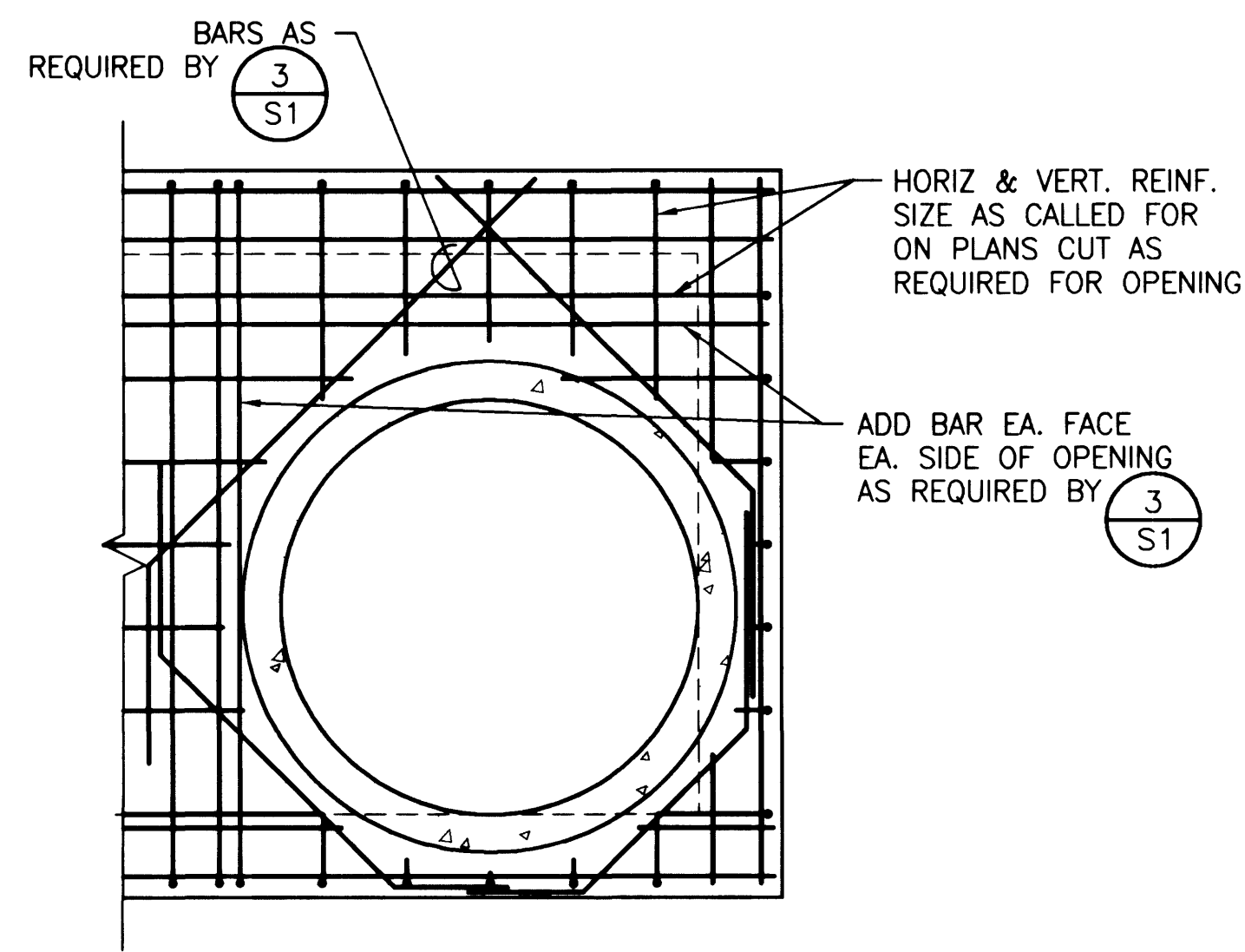
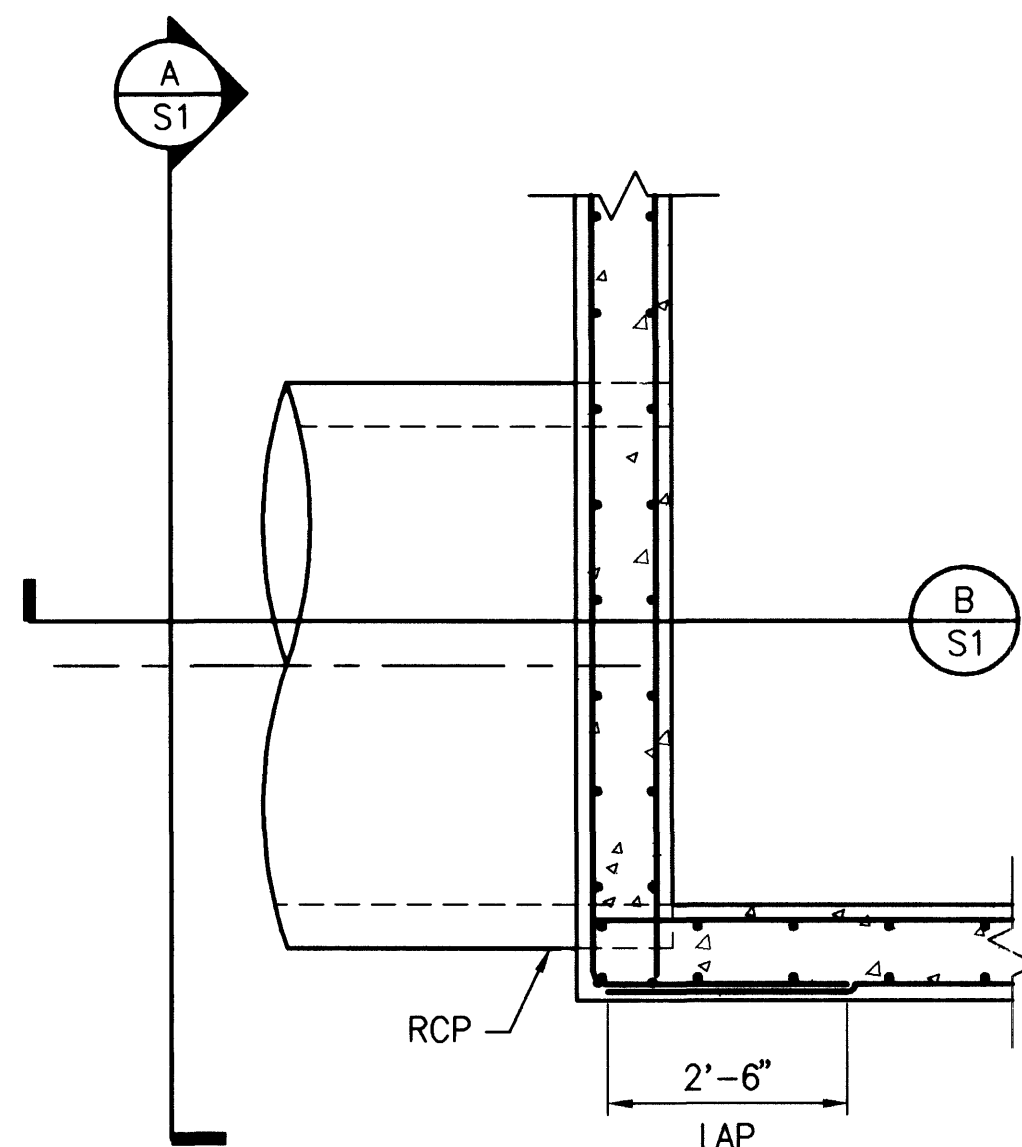




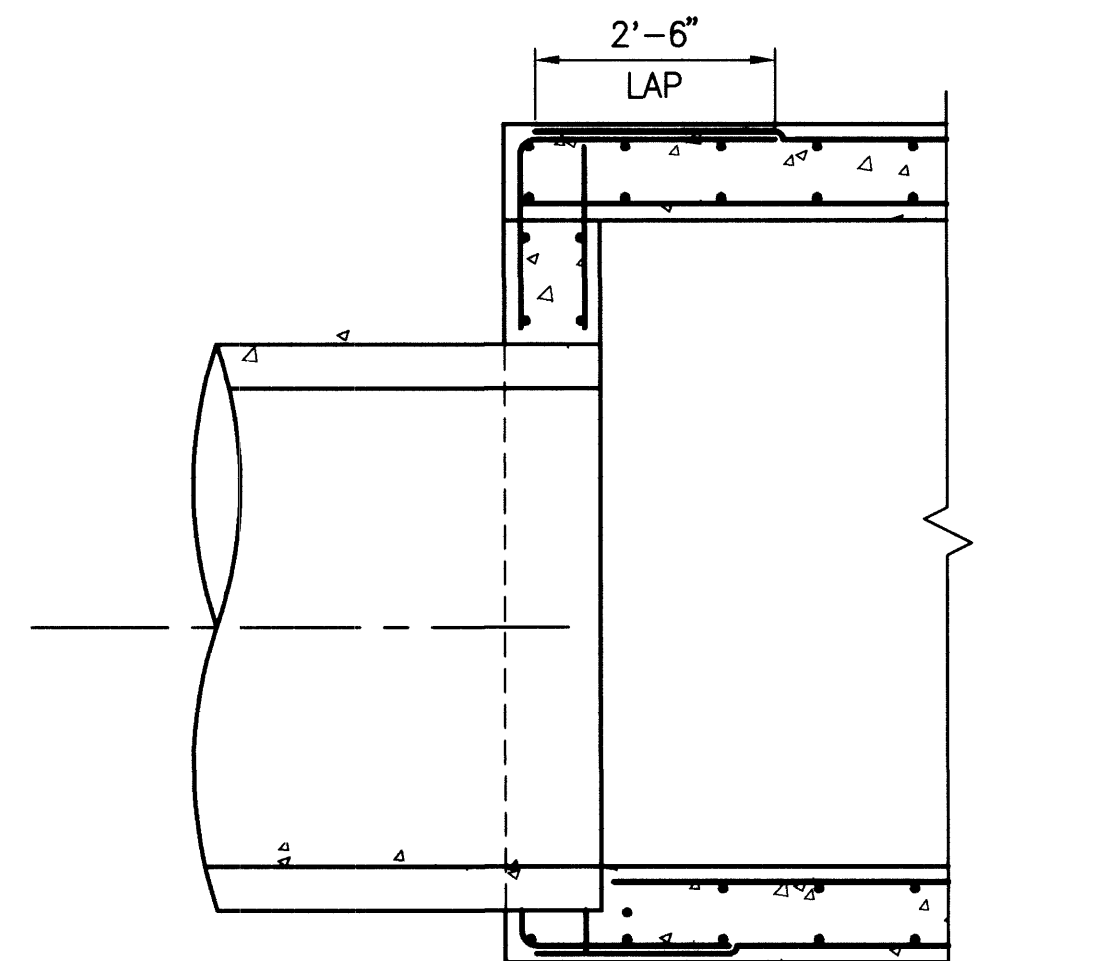
SECTION

1/2" = 1'-0"

A
S1



PLAN VIEW



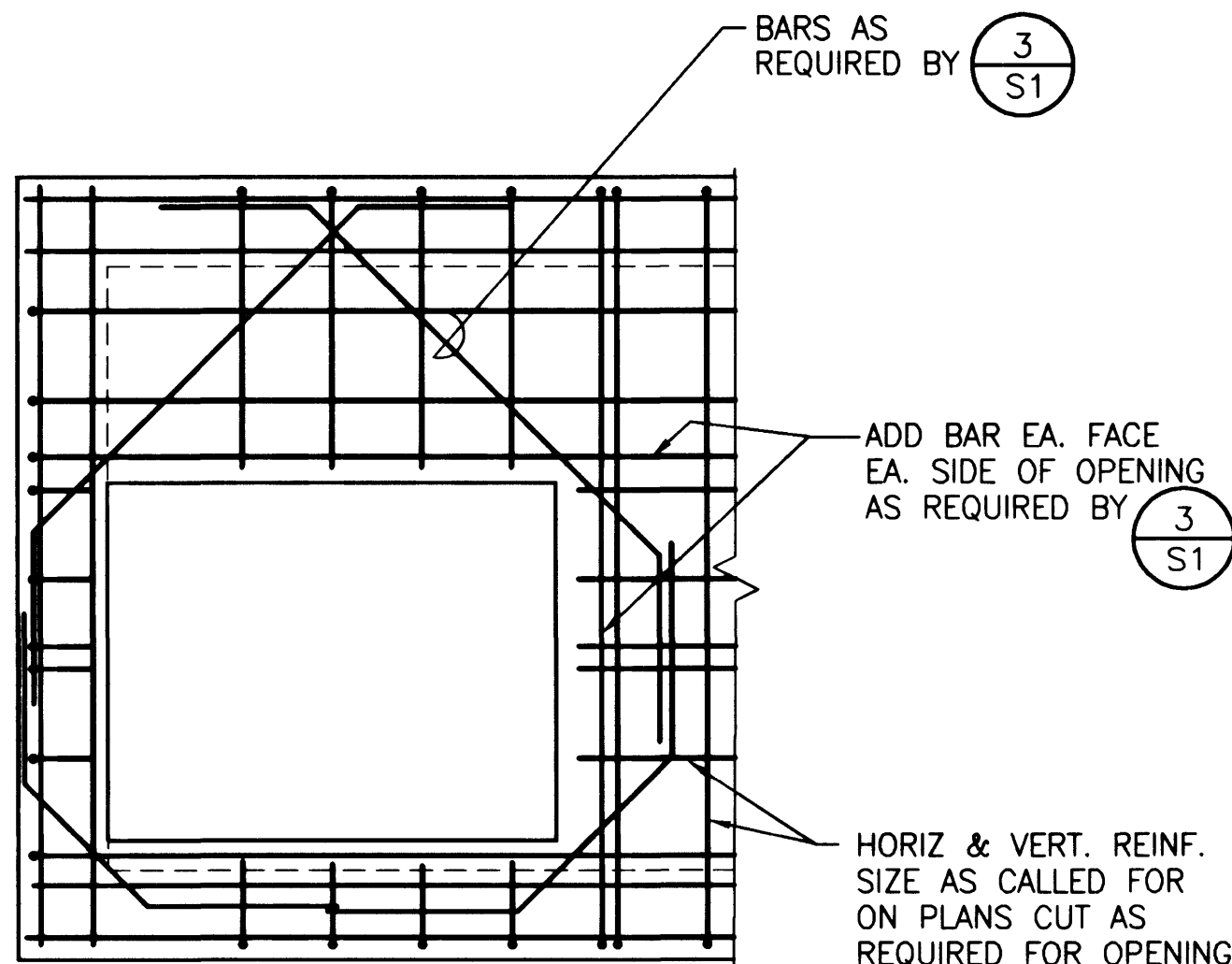
SECTION

B
S1

TYPICAL RCP CONNECTION TO JUNCTION STRUCTURE

1/2" = 1'-0"

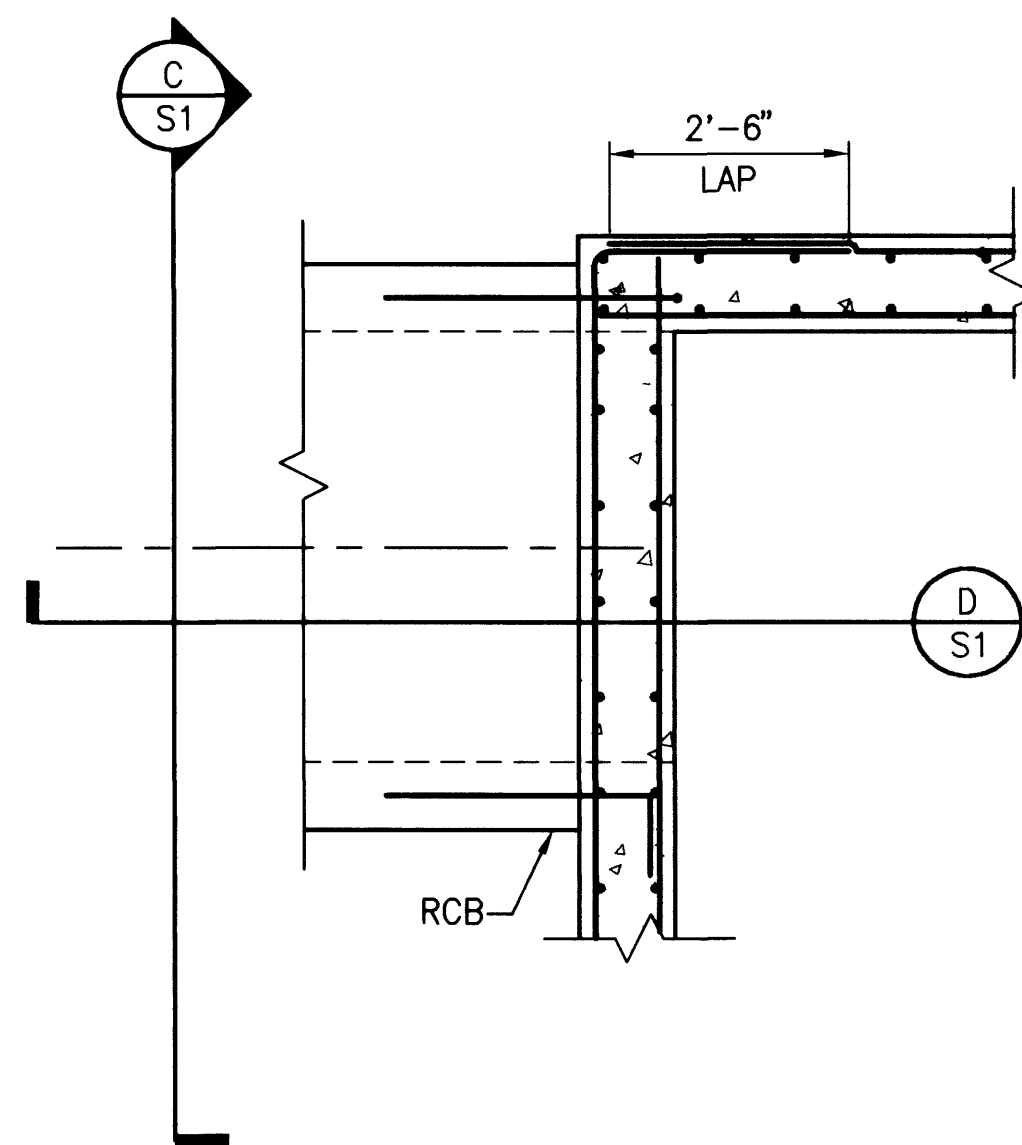
1
S1



SECTION

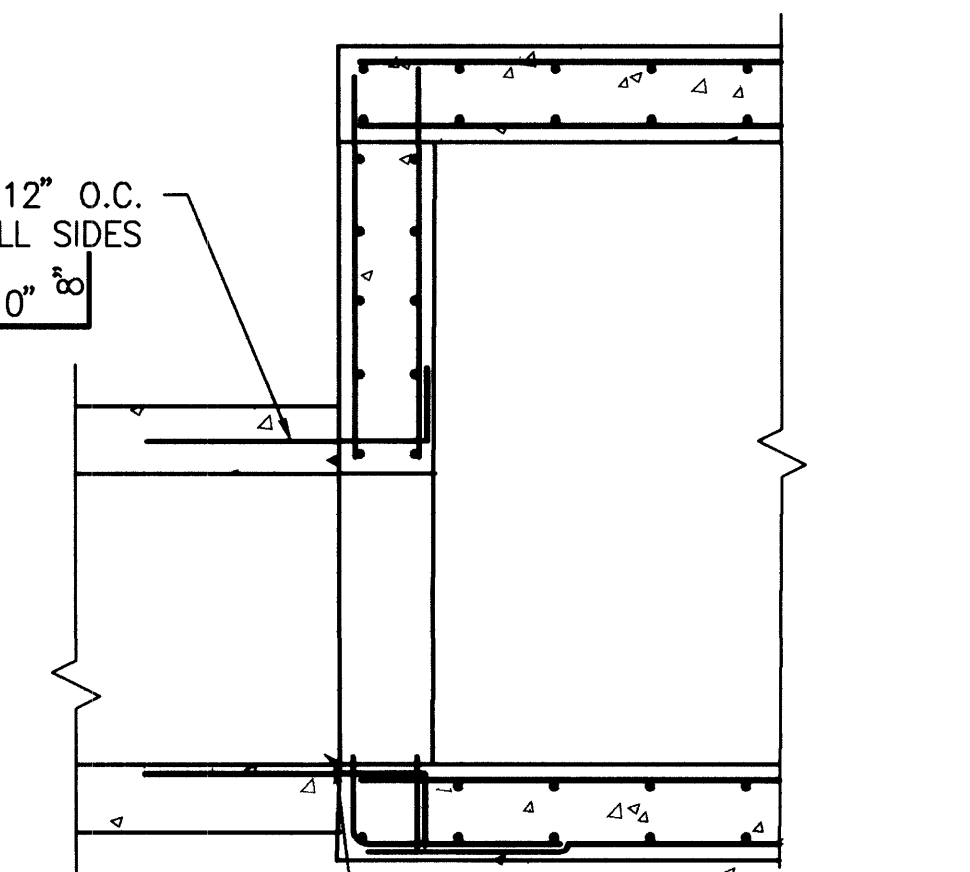
1/2" = 1'-0"

C
S1



PLAN VIEW

#5 DOWEL Ø12" O.C.
TYP. ALL SIDES
2'-10"



SECTION

D
S1

TYPICAL PRECAST RCB CONNECTION TO JUNCTION STRUCTURE

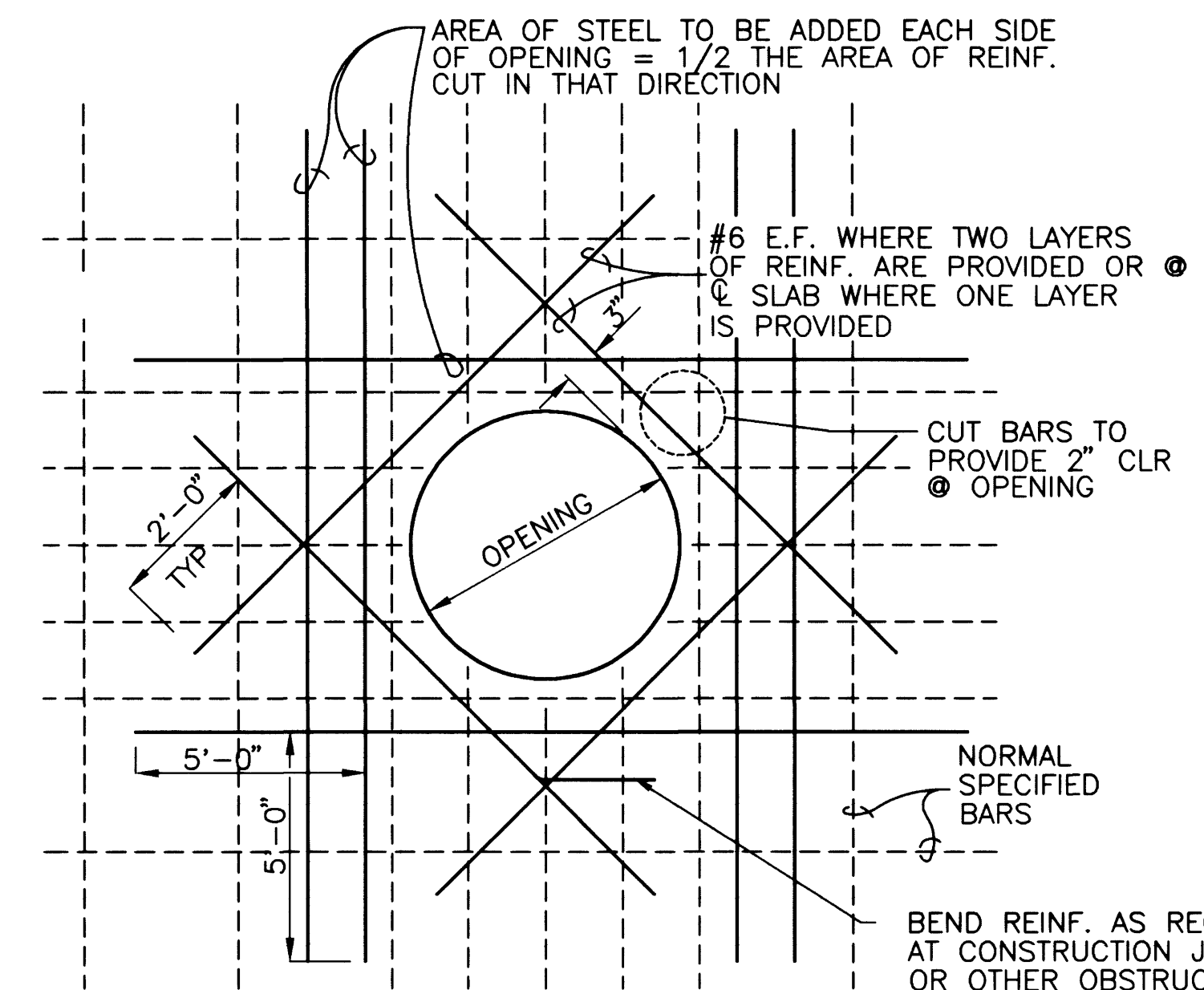
1/2" = 1'-0"

2
S1

BAR SIZE	LAP CLASS	TOP BARS	OTHER BARS
#3	B	16	12
	C	20	15
#4	B	22	16
	C	29	20
#5	B	28	20
	C	36	26
#6	B	33	24
	C	43	31
#7	B	42	30
	C	55	39
#8	B	55	39
	C	71	51
#9	B	70	50
	C	90	65
#10	B	88	63
	C	114	82

GENERAL NOTES:

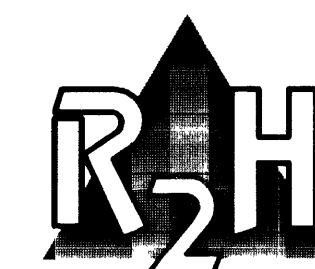
- DESIGN CRITERIA: ACI 318-95, AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 15TH EDITION" DESIGN LIVE LOAD IS AASHTO HS20-44 TRUCK LOADING
- PORTLAND CEMENT SHALL CONFORM TO A.S.T.M. C-150, TYPE V
- AGGREGATE SHALL CONFORM TO A.S.T.M. C-33.
- ALL STRUCTURAL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS.
- ALL REINFORCEMENT STEEL SHALL BE ASTM DESIGNATION A615 GRADE 60.
- COVERAGE FOR REINFORCING BARS, EXCEPT WHERE OTHERWISE SHOWN, SHALL BE: 3" FOR CONCRETE PLACED AGAINST EARTH; 2" FOR OTHERS.
- DOWELS, PIPES, WATERSTOPS AND OTHER INSTALLED MATERIALS OR ACCESSORIES SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.
- ALL KEYWAYS AND CONSTRUCTION JOINTS IN CONCRETE SHALL BE CLEAN FOR BOND. CONSTRUCTION JOINTS BETWEEN FOOTINGS AND WALLS SHALL BE COVERED WITH POLYETHYLENE-COATED BURLAP MATS WHICH SHALL BE KEPT WET WITH WATER UNTIL CONCRETE IN WALLS IS PLACED. NO CURING COMPOUND SHALL BE APPLIED IN CONSTRUCTION JOINTS BETWEEN FOOTINGS AND WALLS.
- USE 3/4" CHAMFER ON ALL EXPOSED CORNERS.
- REINFORCING BARS AND ACCESSORIES SHALL NOT BE IN CONTACT WITH ANY PIPE, PIPE FLANGE OR METAL PART EMBEDDED IN CONCRETE.
- ALL REINFORCING BAR LAP SPLICES SHALL CONFORM TO AASHTO-15TH EDITION, AND THE ATTACHED TABLE.
- SPLICE LENGTHS OF DIFFERENT BARS SHALL BE THE SPLICE LENGTH OF THE SMALLER BAR
- ALL SPLICES SHALL BE TYPE B AND SHALL BE STAGGERED SUCH THAT NO MORE THAN 50% OF THE BARS IN A LAYER ARE SPLICED WITHIN THE REQUIRED LAP LENGTH IF MORE THAN 50% ARE SPLICED USE TYPE C SPLICE.
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE BELOW THE BAR.



WALL OR SLAB OPENING DETAIL

N.T.S.

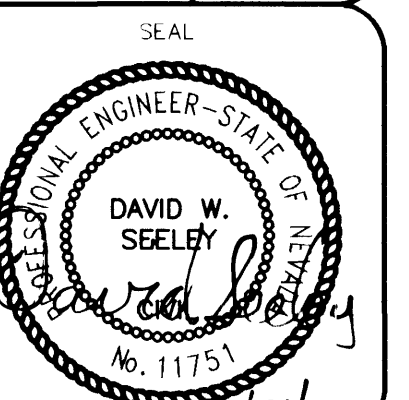
3
S1



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PHONE (619) 673-8416
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STRUCTURAL NOTES AND DETAILS

TENAYA WAY AND SKY POINTE DRIVE
INTERSECTION DRAINAGE IMPROVEMENTS



NO. NO. 5546
DESIGNED BY DWS
DRAWN BY ELY
DATE 8/01/01
SCALE: HORIZ VERT
DRAWING S1
SHEET 5 OF 5
SDDS 68 OF 70