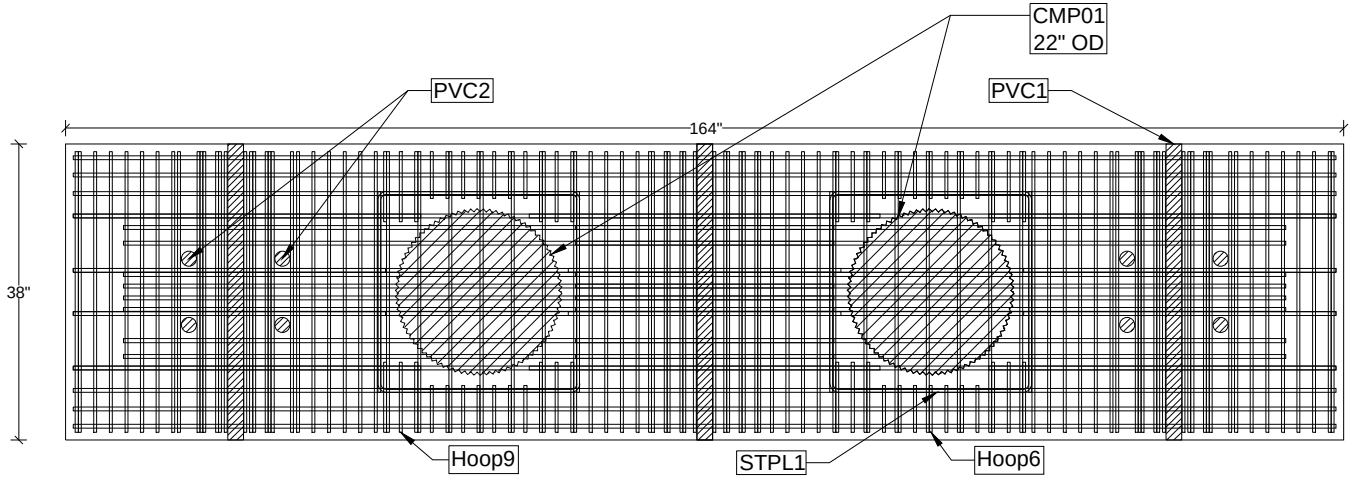
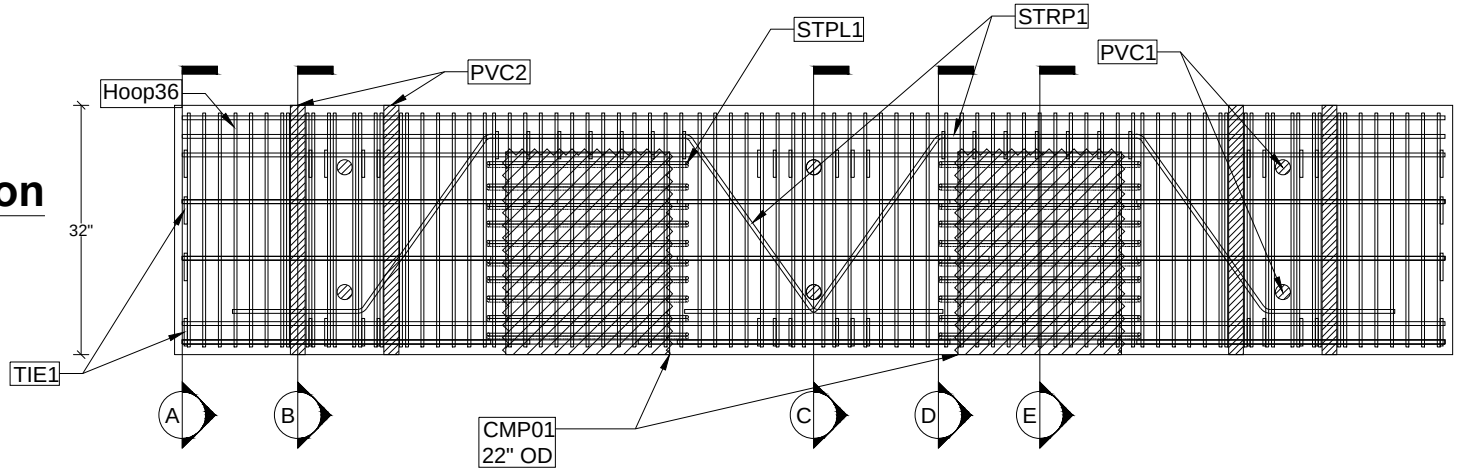
Plan



Elevation



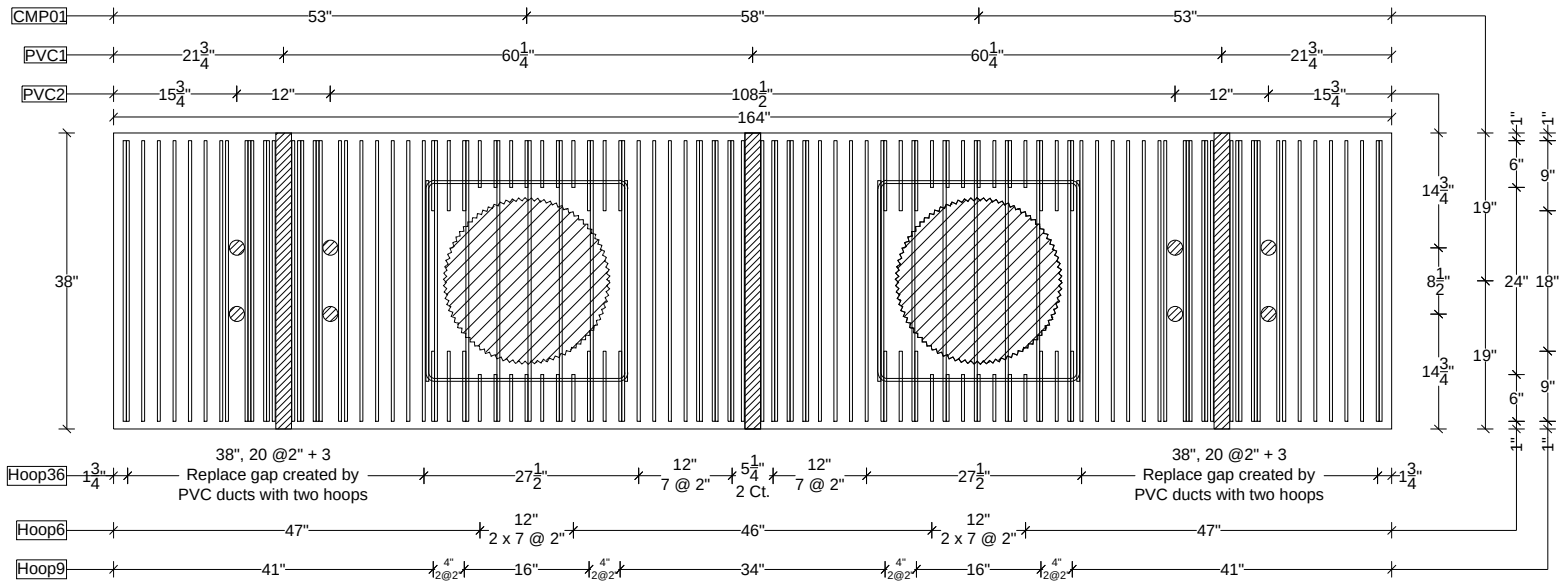
UC San Diego PEER

PEER Resilient Bridge Column Test

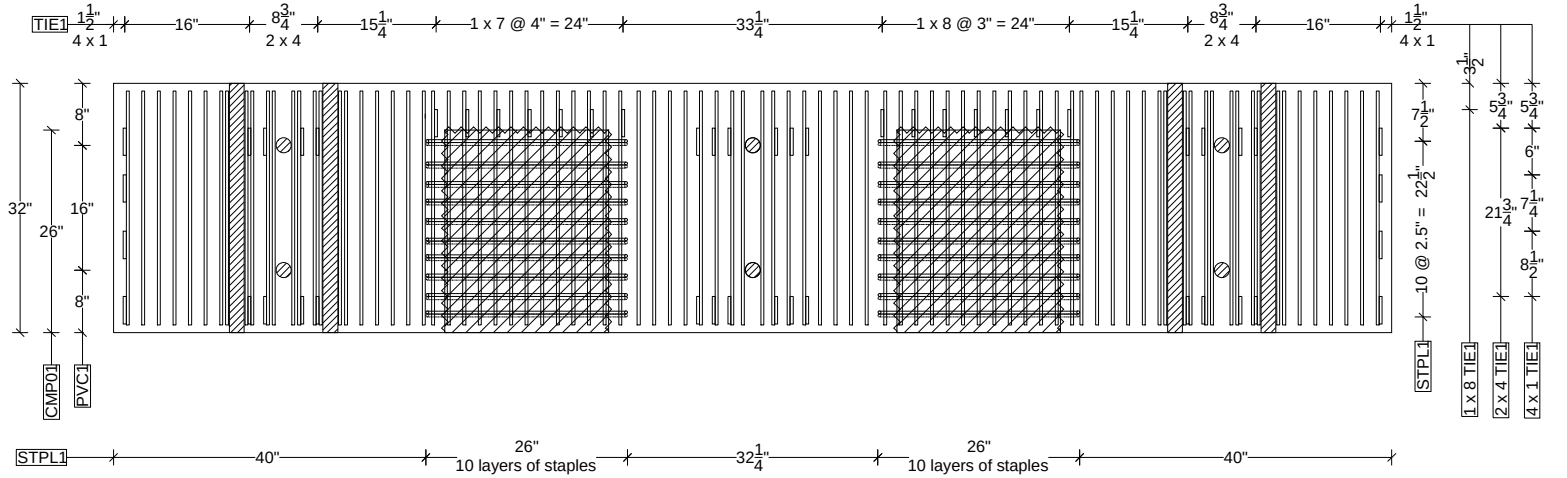
Bent Cap Details: Overview

Sheet 1 of 8

Plan



Elevation



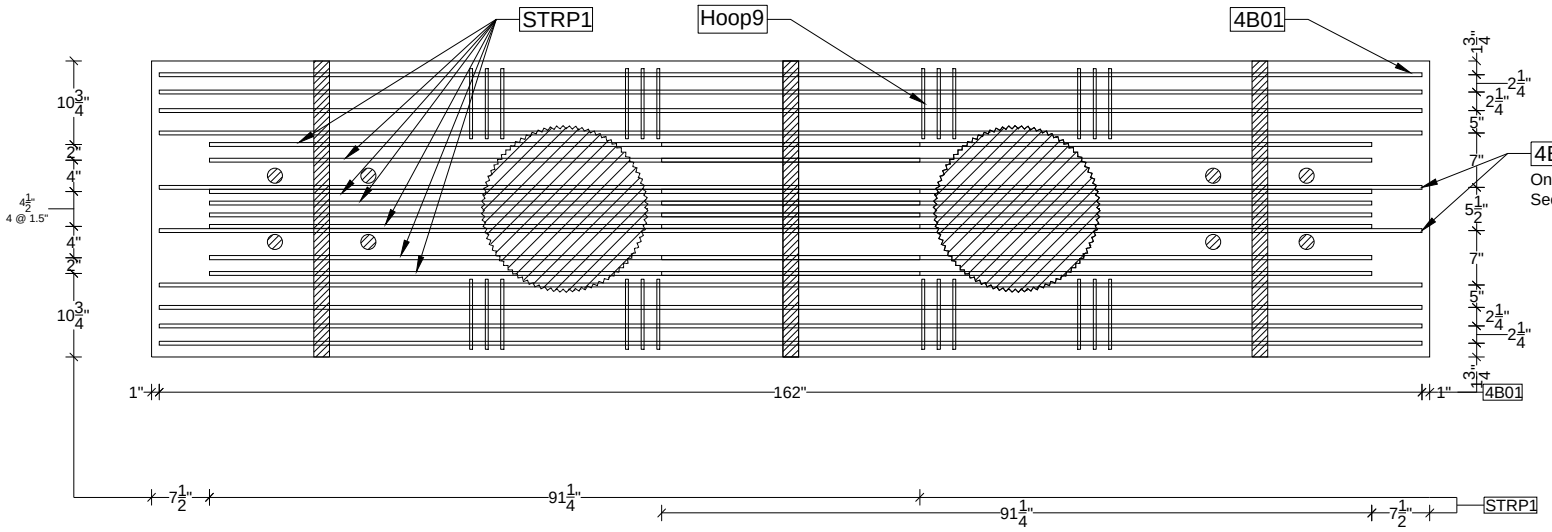
PEER
UC San Diego

PEER Resilient Bridge Column Test

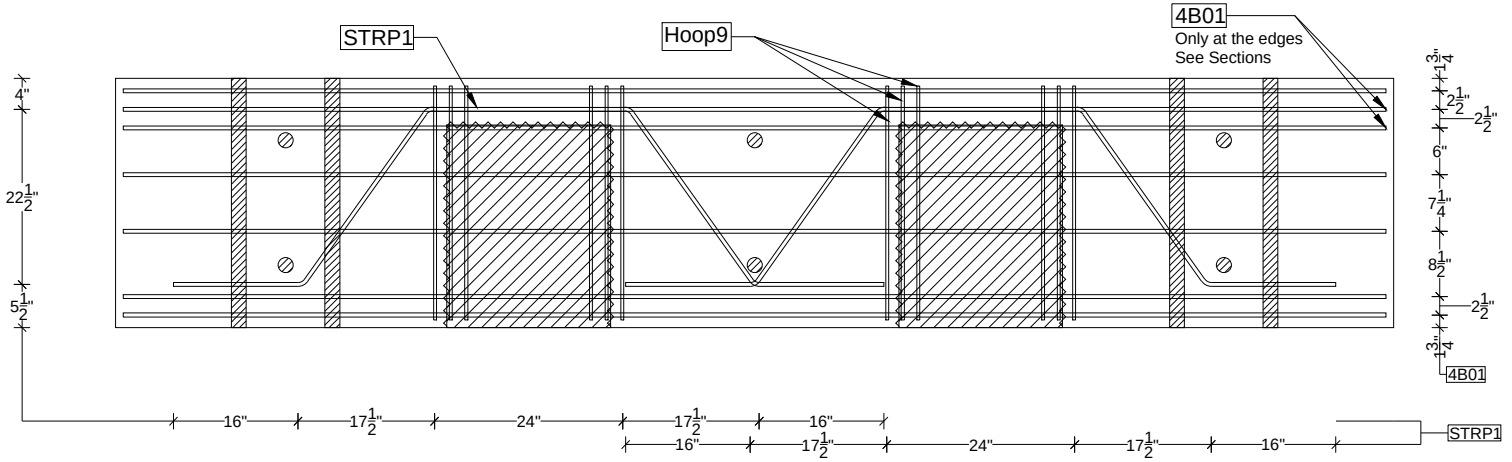
Bent Cap Details: Transverse Reinf., Openings

Sheet 2 of 8

Plan



Elevation



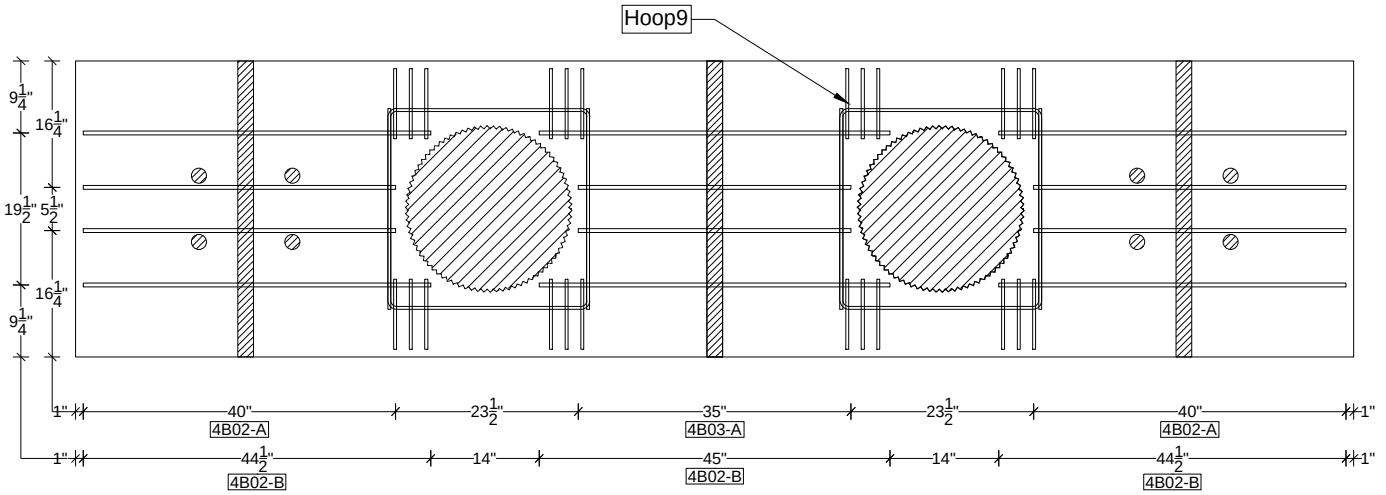
PEER
UC San Diego

PEER Resilient Bridge Column Test

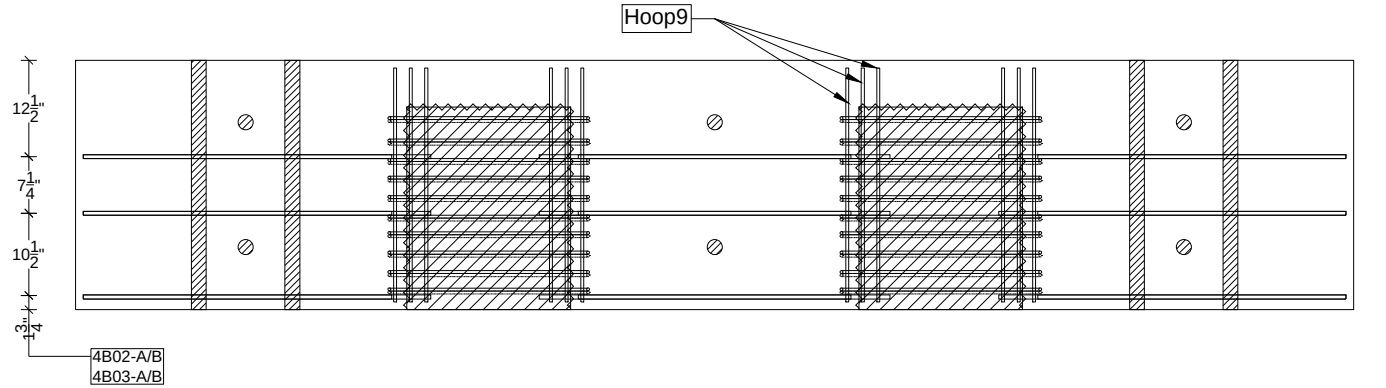
Bent Cap Details: Continuous Longitudinal Reinforcement

Sheet 3 of 8

Plan



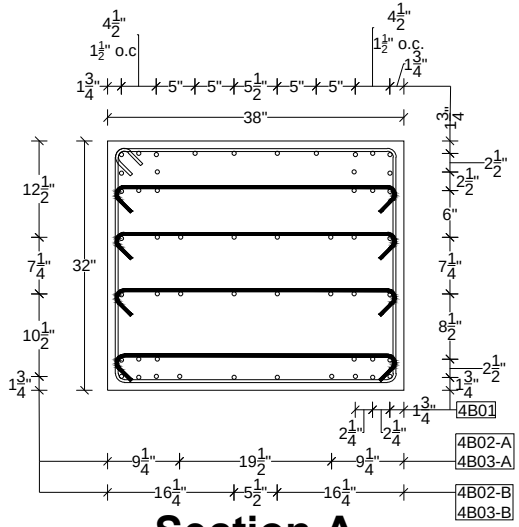
Elevation



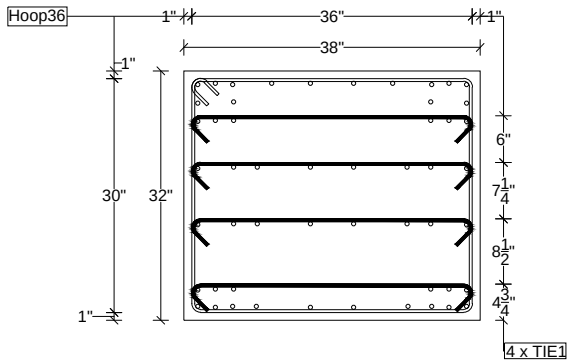
UC San Diego PEER

PEER Resilient Bridge Column Test

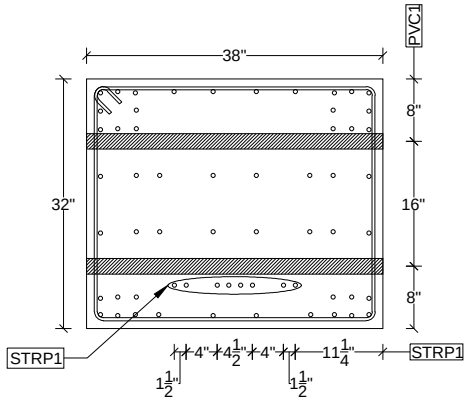
Bent Cap Details: Discontinuous Longitudinal Reinforcement



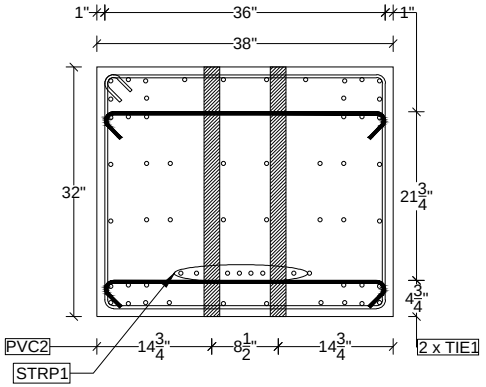
Section A
Longitudinal Reinforcement



Section A
Transverse Reinforcement



Section B



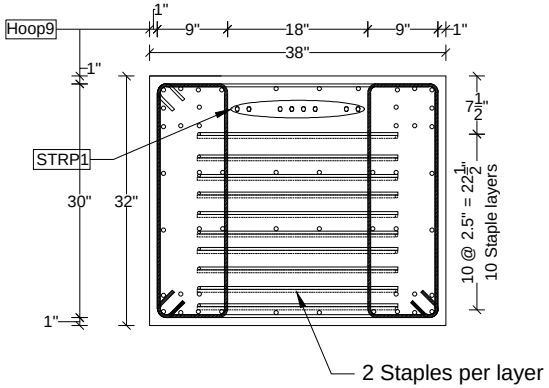
Section C

PEER
UC San Diego

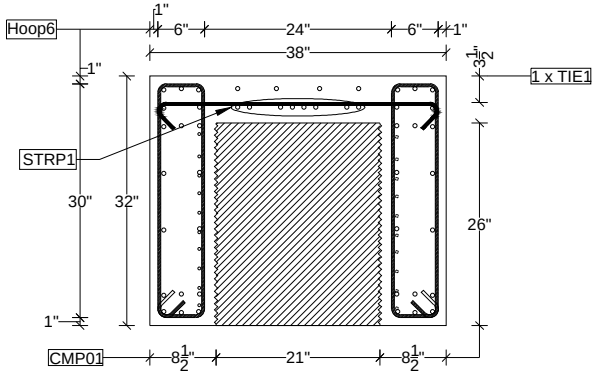
PEER Resilient Bridge Column Test

Bent Cap Details: Sections

Sheet 5 of 8

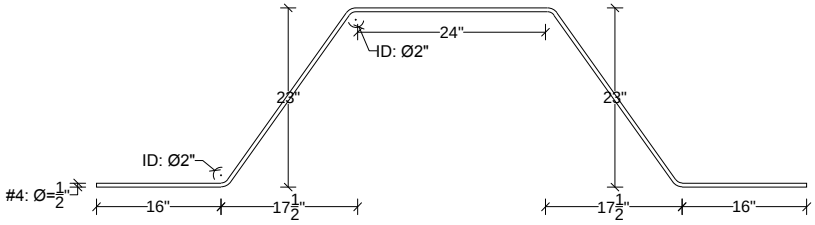


Section D

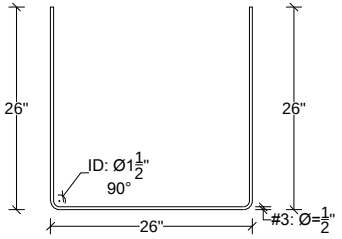


Section E

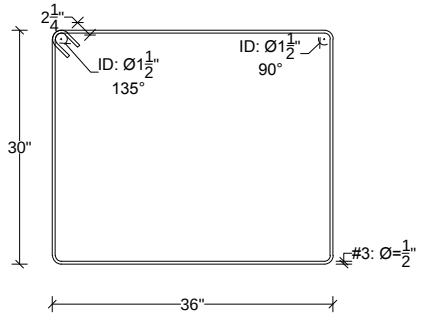
PEER UC San Diego		**PEER Resilient Bridge Column Test**	**Sheet 6 of 8**
		Bent Cap Details: Sections	



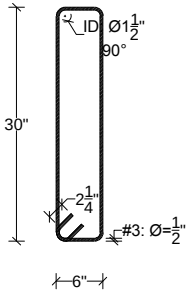
STRP1: Bent Stirrups



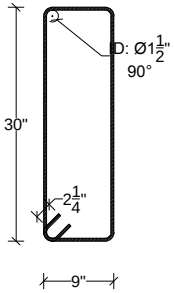
STPL1: Staples



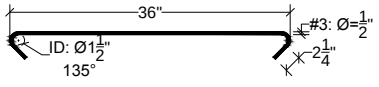
Hoop36



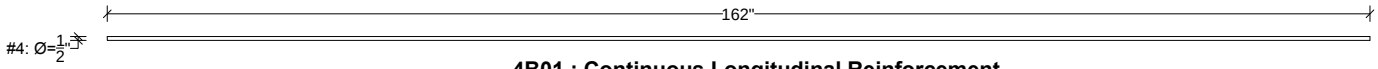
Hoop6



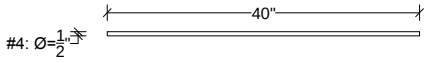
Hoop9



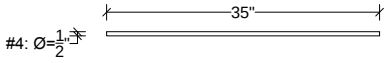
TIE1



4B01 : Continuous Longitudinal Reinforcement

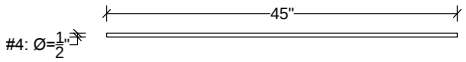


4B02-A



4B03-A

4B02-B



4B03-B

PEER
UC San Diego

PEER Resilient Bridge Column Test

Bent Cap Details: Reinforcement Details

Sheet 7 of 8

Reinforcement Schedule

Mark	Quantity	Description
4B01	40	#4 ASTM A615 G60
4B02-A	12	#4 ASTM A615 G60
4B02-B	12	#4 ASTM A615 G60
4B03-A	6	#4 ASTM A615 G60
4B03-B	6	#4 ASTM A615 G60
STRP1	16	#4 ASTM A615 G60, Stirrups
TIE1	52	#3 ASTM A615 G60, Ties
Hoop6	28	#3 ASTM A615 G60, Hoops
Hoop9	24	#3 ASTM A615 G60, Hoops
Hoop36	62	#3 ASTM A615 G60, Hoops
STPL1	40	#3 ASTM A615 G60, Staples

Bill of Materials

PVC1	6	38" long x 2" ID PVC sleeve. Tie location for weights
PVC2	8	32" long x 2" ID PVC sleeve
CorDuct	2	21" Nominal ID, 26" tall Helical-Corrugated Metal Pipe, ASTM A760/A760M

Concrete Specifications

Mix Design	Unit Weight (P.C.F)	Volume (CU.YD.)	f'_c (P.S.I.)
-	150	4.3	6000