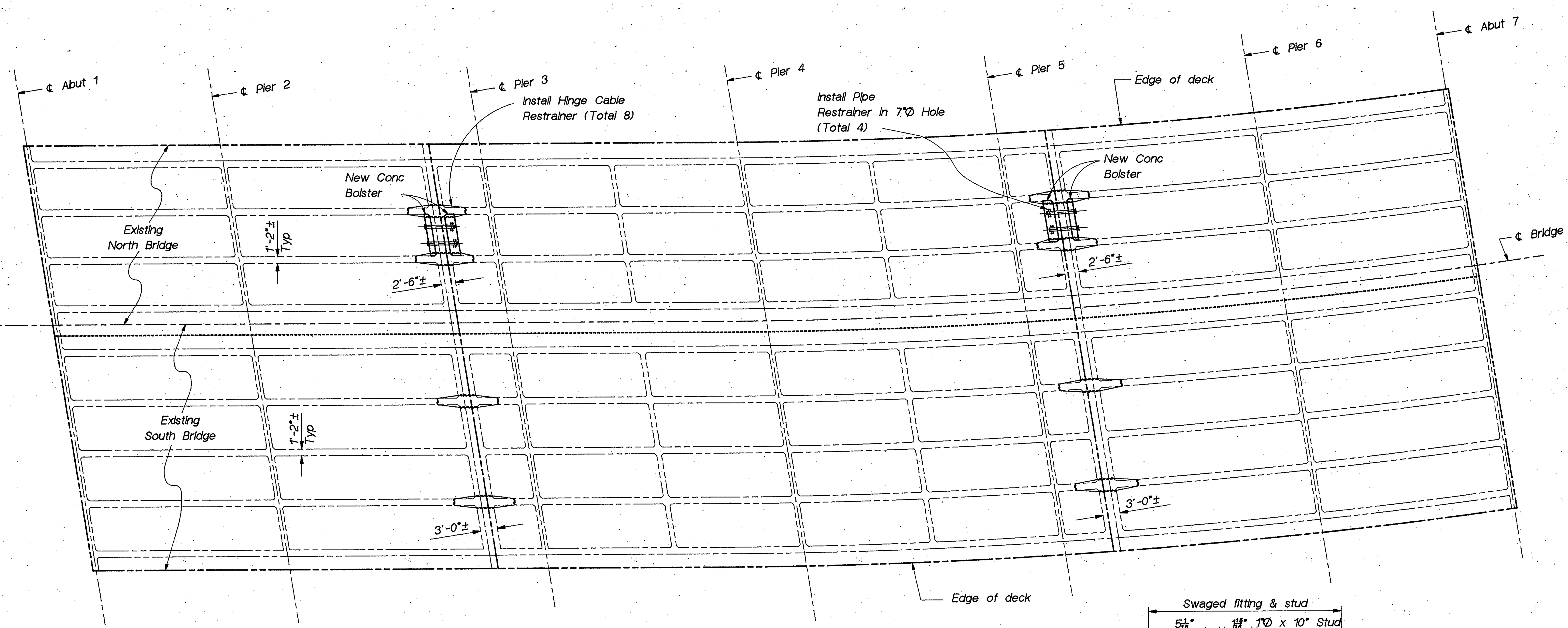
VALUE ENGINEERING PAYS

THESE PLANS WERE PREPARED
UNDER THE SUPERVISION OF:

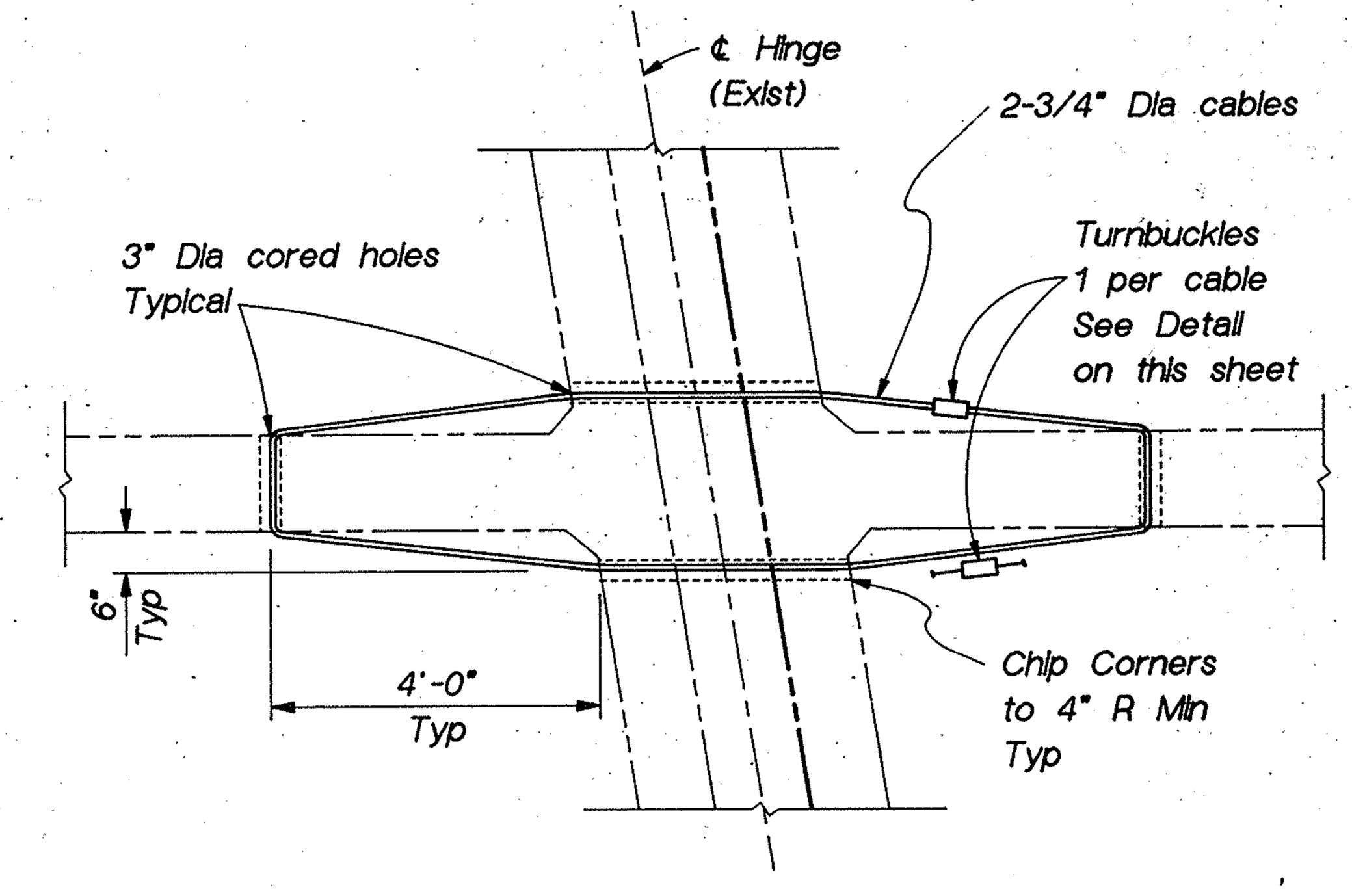
REGISTERED CIVIL ENGINEER (Date)

McLEAN & SCHULTZ
2000 EAST CHAPMAN AVE.
FULLERTON, CALIFORNIA 92631

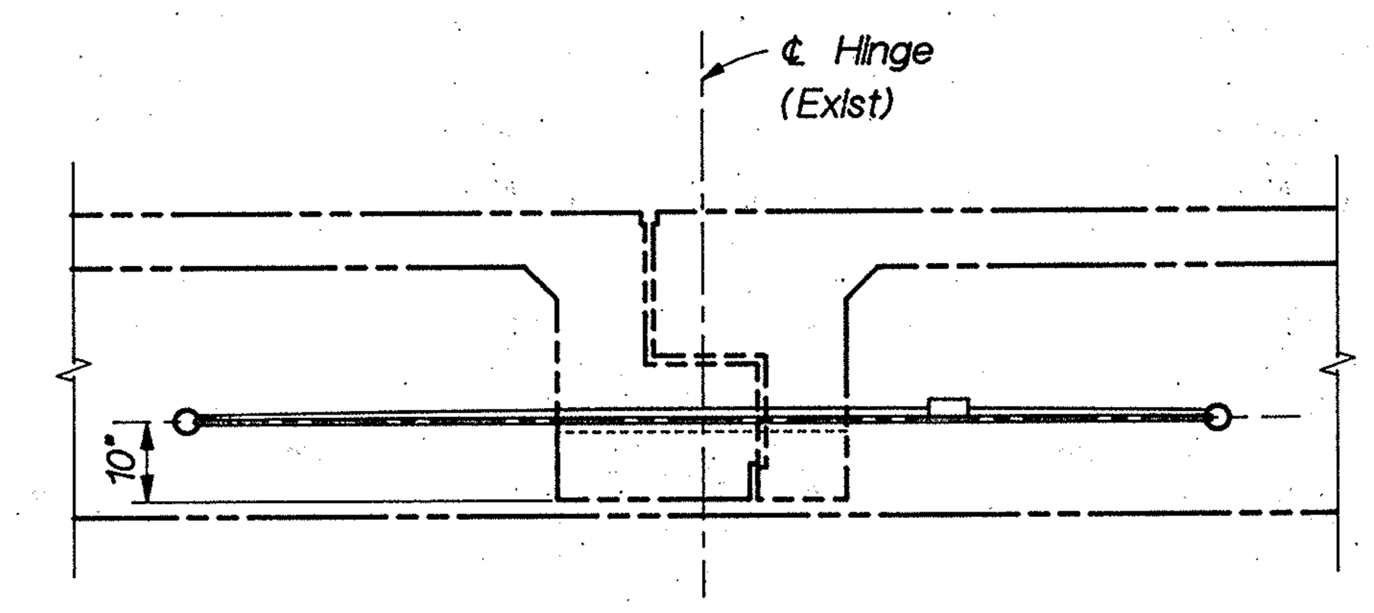
REGISTERED PROFESSIONAL ENGINEER
JOHN R. ARIAS
No. 21498
Exp. 9/30/93
CIVIL
STATE OF CALIFORNIA



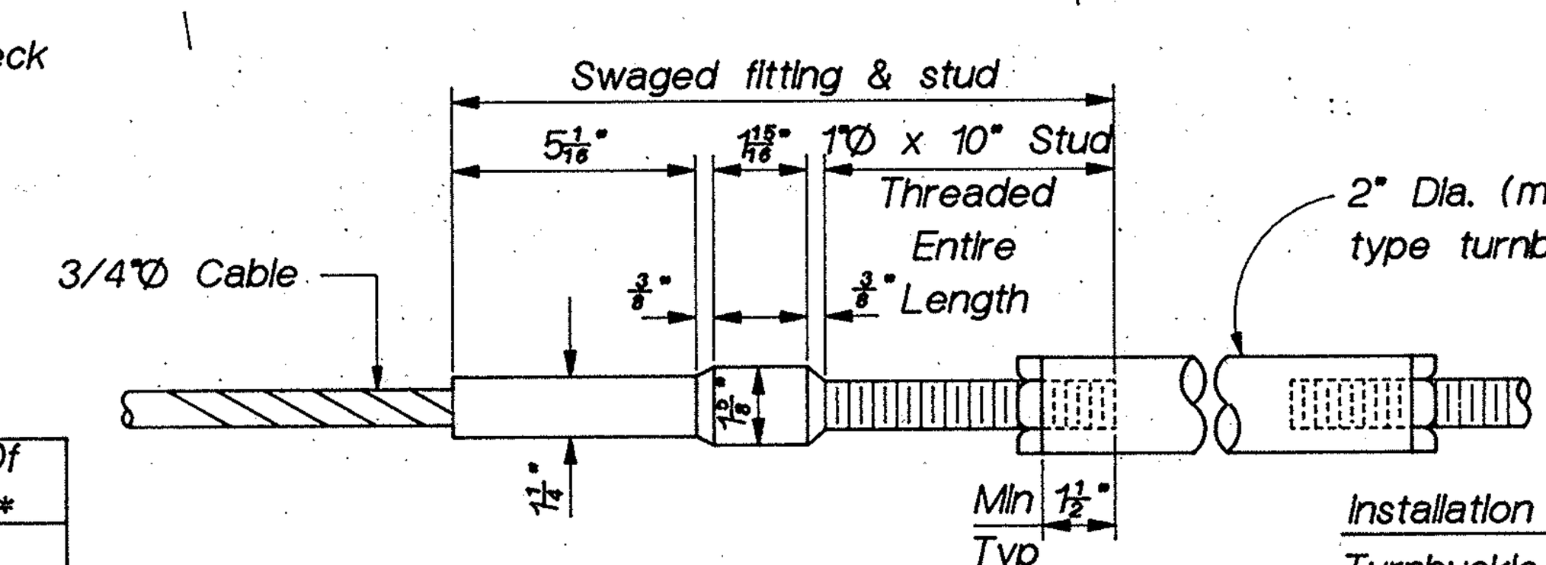
GIRDER PLAN
SCALE: 1" = 10'-0"



CABLE RESTRAINER - PLAN
SCALE: 1/2" = 1'-0"



CABLE RESTRAINER - ELEV
SCALE: 1/2" = 1'-0"

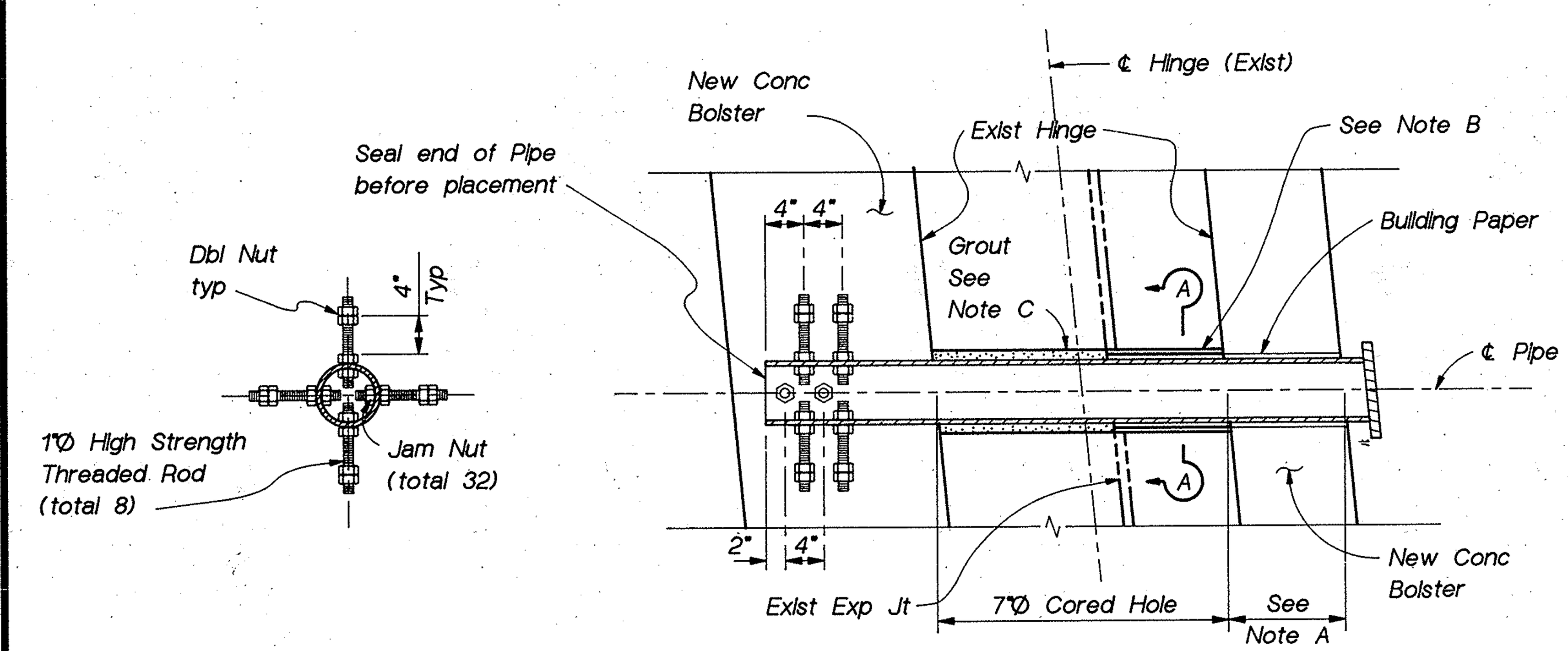


Ambient Temperature (° F)	No. Of Turns*
50°	0
80°	1
110°	2

* Interpolate no. of turns for intermediate temperatures.

Installation Note:
Turnbuckle/Cable Assembly should be snugged, tightened one turn per 5 feet of cable length, then reverse the turnbuckle the number of turns shown in the Table & tighten Jam Nuts.

TURNBUCKLE DETAIL
SCALE: 3" = 1'-0"



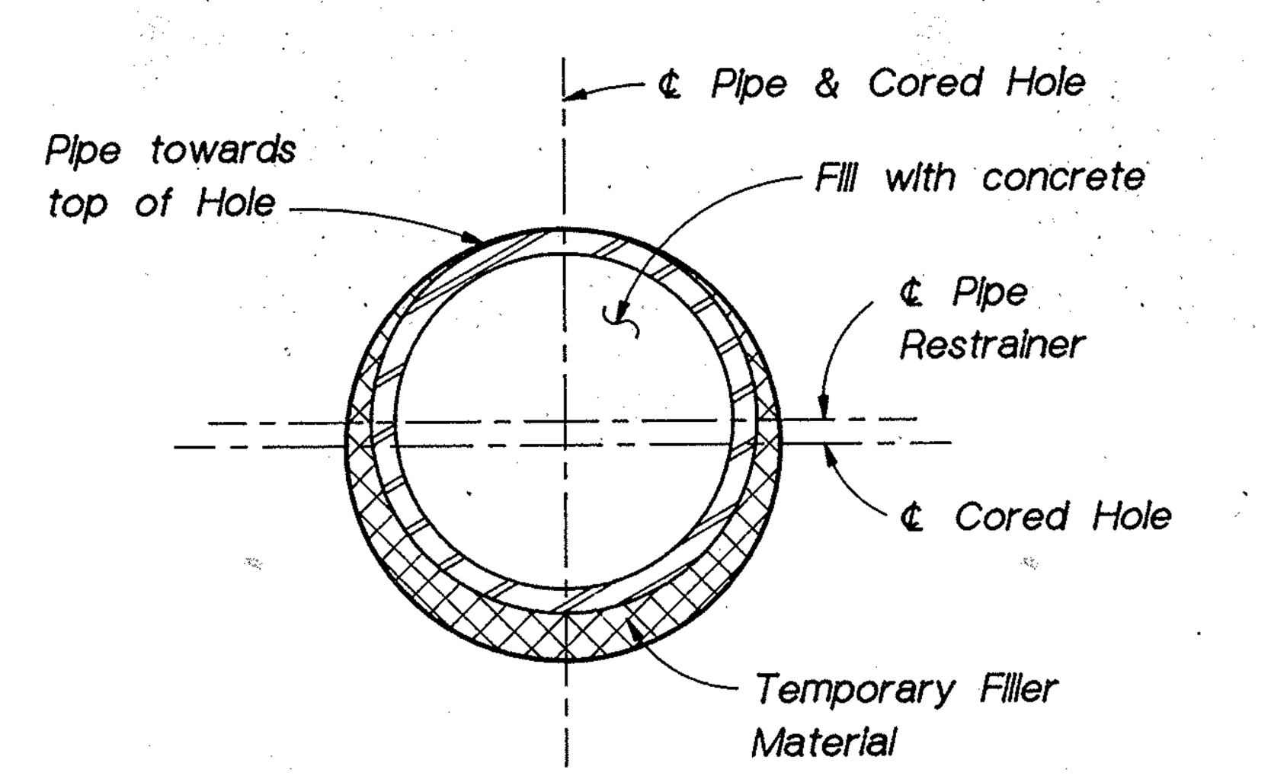
PIPE RESTRAINER DETAIL - PLAN
SCALE: 1" = 1'-0"

Notes:

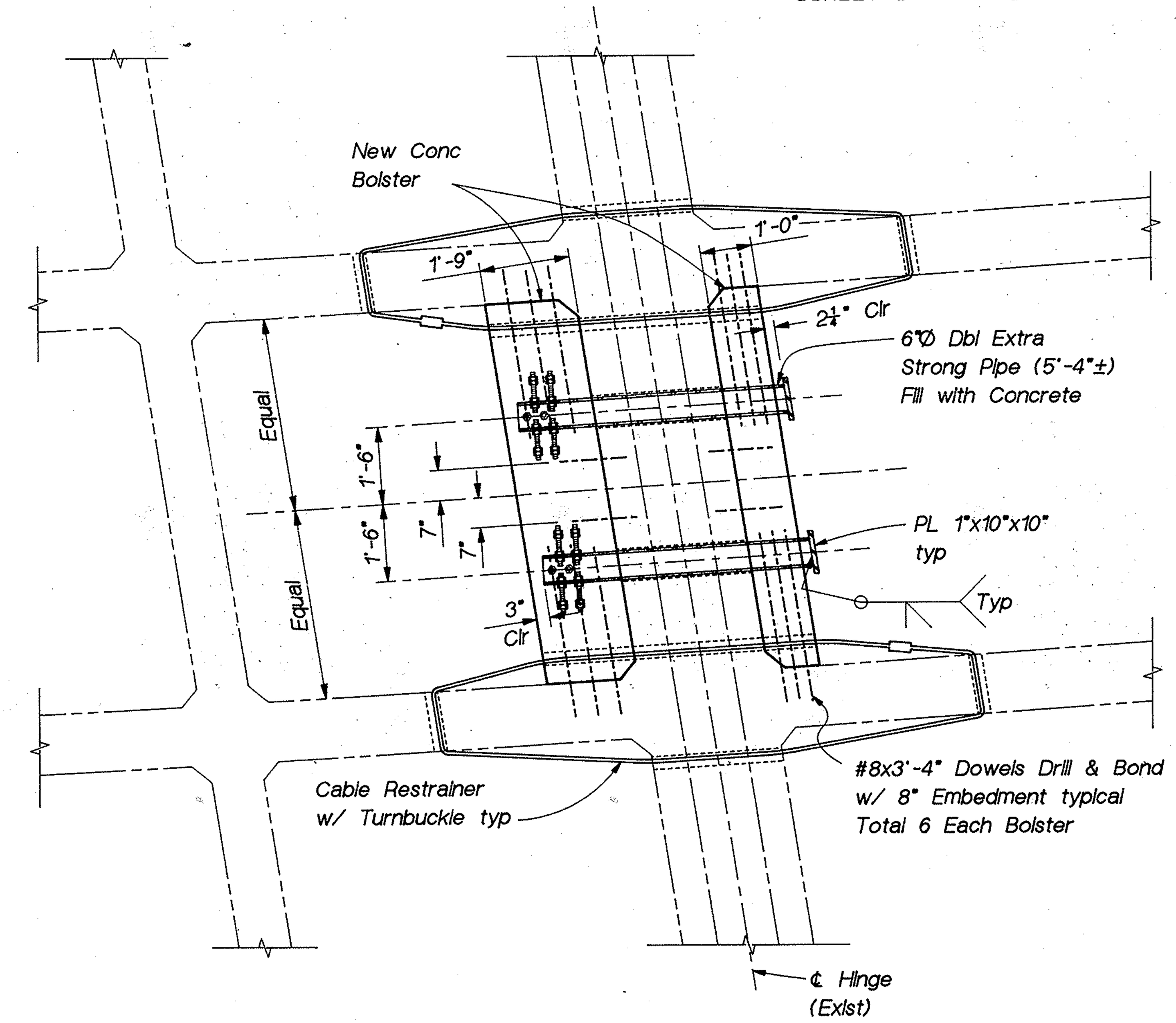
A. Tightly wrap Pipe with two layers of 15 LB Building Paper.

B. Temporary Filler Material (to be Removed after grouting)

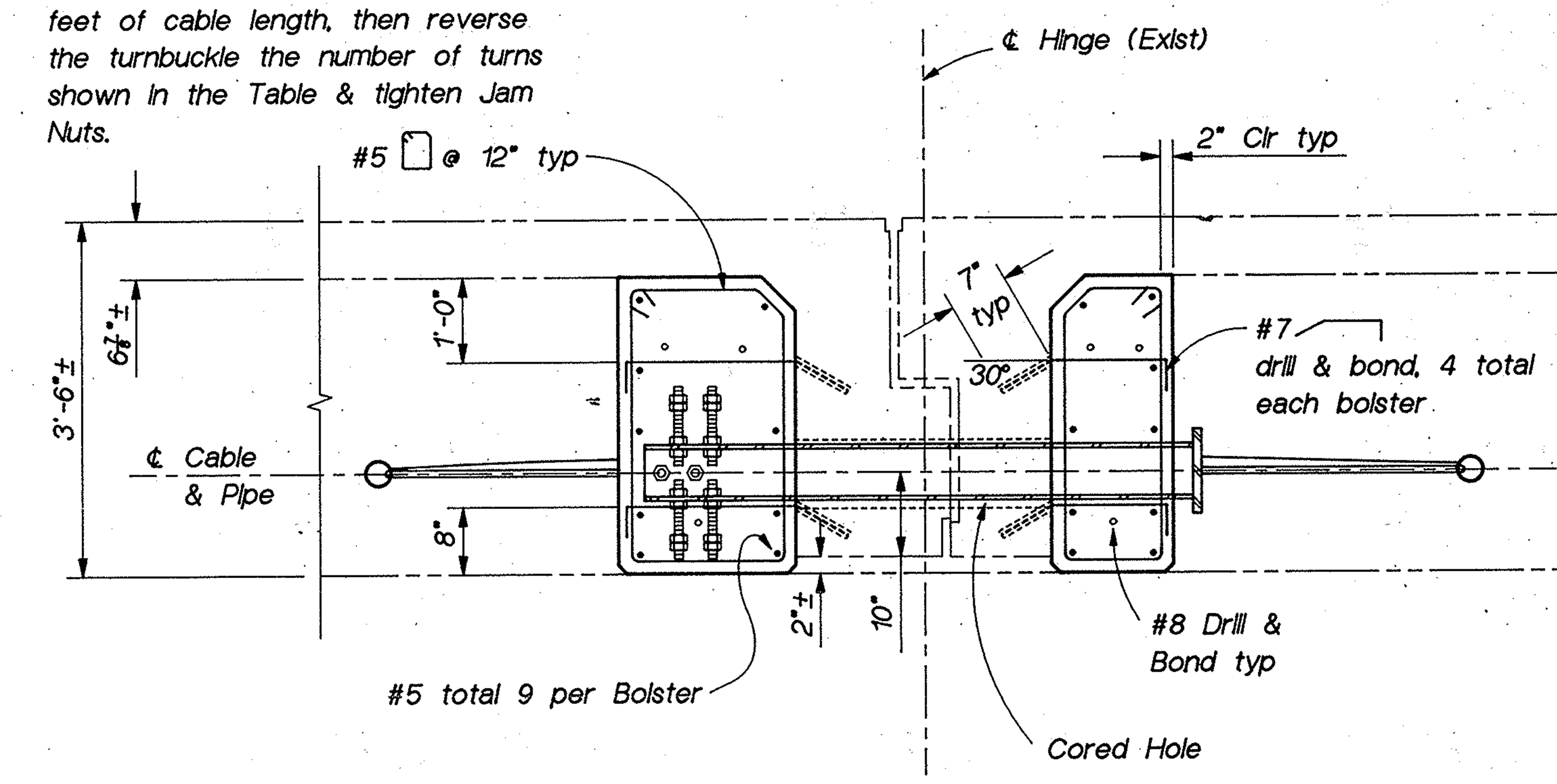
C. Pipe unit to be placed against top of hole and grouted on "Cantilever span" side only



SECTION A-A
NO SCALE



PIPE RESTRAINER - PLAN
SCALE: 1/2" = 1'-0"



SECTION THRU BOLSTER
SCALE: 3/4" = 1'-0"

COMPUTER AIDED DESIGN DRAFTING

SYMBOL	DESCRIPTIONS	DATE	APPROVAL
	REVISIONS		

McLEAN & SCHULTZ
2000 EAST CHAPMAN AVE.
FULLERTON, CALIFORNIA 92631

U.S. ARMY ENGINEER DISTRICT
LOS ANGELES
CORPS OF ENGINEERS

DESIGNED BY: W. BROWN
DRAWN BY: N. TAAL
CHECKED BY: K. MIYA

SANTA ANA RIVER MAINSTREAM
INCLUDING SANTIAGO CREEK, CALIFORNIA
LOWER SANTA ANA RIVER CHANNEL
(SAN DIEGO FREEWAY TO RIVER VIEW GOLF COURSE)
WARNER AVENUE BRIDGE
HINGE DETAILS

SUBMITTED BY:
DATE: APPROVED:
SPEC. NO. DACW09-
DISTRICT FILE NO.
SHEET R-15 OF R-16 SHEETS

ENVIRONMENTAL ENHANCEMENT THRU ENGINEERING

M & S JOB FILE: DUB1:[MAJOR.91120.3]
DRAWING FILE: WINDOW HINGEDET
WINDOW NAME: FRAME HPD-1 HPD1
PLOT DATE: 02/24/93

SAFETY PAYS