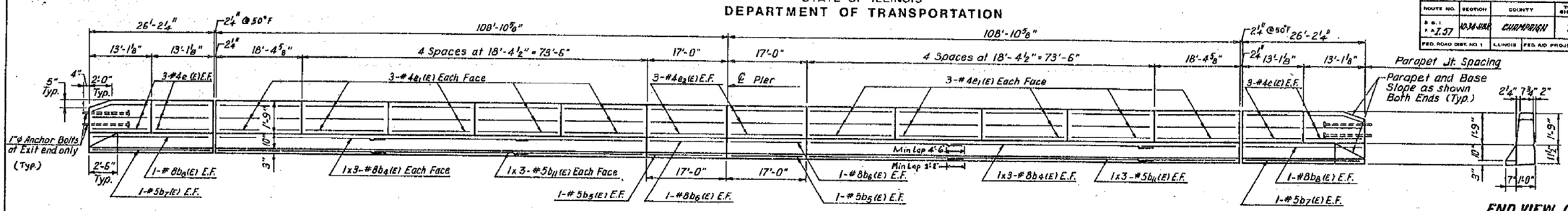
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

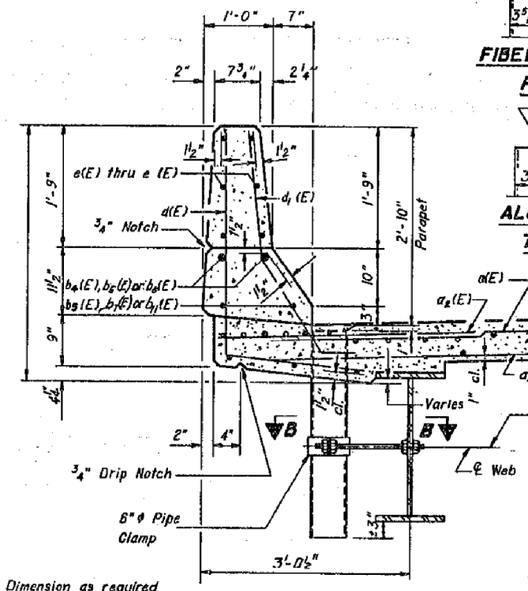
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	10-34-HBK	CHAMPAIGN	73	41
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SHEET NO. 8 OF SHEETS 18

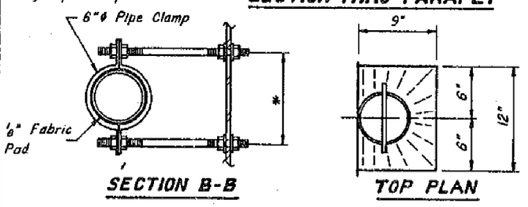


INSIDE ELEVATION OF PARAPET

END VIEW OF PARAPET



SECTION THRU PARAPET

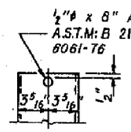


SECTION B-B

TOP PLAN

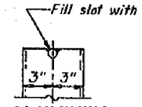
* Dimension as required by Pipe Clamp

½"ϕ x 8" Alum. Bar A.S.T.M: B 211 alloy 6061-T6

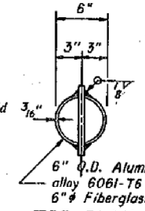


FIBERGLASS PIPE

Fill slot with weld 3/16"



ALUMINUM TUBE

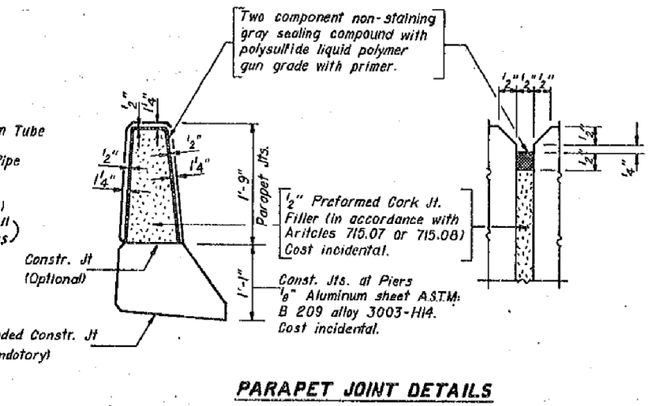


6" O.D. Aluminum Tube alloy 6061-T6 or 6"ϕ Fiberglass Pipe

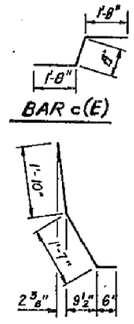
TOP PLAN

(Showing Aluminum Tube)

The surface of fiberglass pipe shall be free of bond inhibiting agents

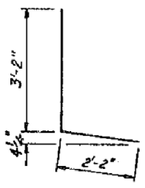


PARAPET JOINT DETAILS

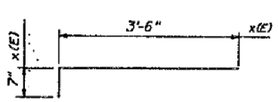


BAR c(E)

BAR d_1(E)



BAR d(E)



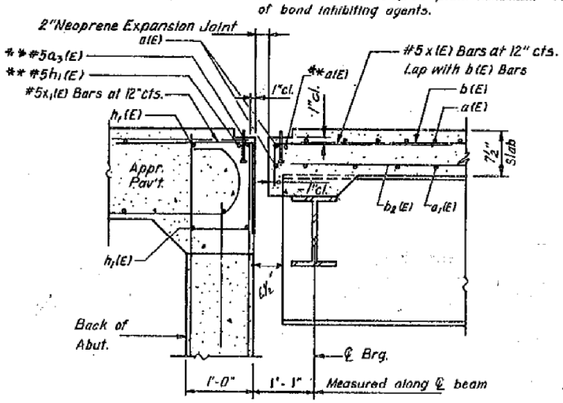
BAR x(E).

** Place a(E), a_3(E) & h_1(E) bars in back of anchor bolt as shown if required to maintain 1" cl. (+0-⅛"). Anchor bolts should be tied to a(E) and h_1 Bars.

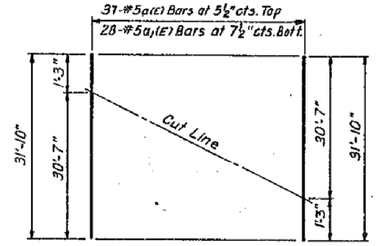
Notes:

The exterior surfaces of the Floor Drain shall be painted with the vinyl enamel coat painting specified for Structural Steel. The exterior surfaces of the Aluminum tube shall be cleaned and given a washcoat pretreatment in accordance with Steel Structures Painting Council's Spec. SSPC-SP1 & SSPC-Paint 27 prior to painting.

Fiberglass pipe shall conform to A.S.T.M: D2996 with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minumum. The surface of the Fiberglass pipe shall be free of bond inhibiting agents.



SECTION A-A



FIELD CUTTING DIAGRAM

Order a & a_1 Bars full length. Cut to fit as shown and use remainder of bars at other end.

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	1428	#5	31'-10"	
a_1(E)	1050	#5	31'-8"	
a_2(E)	472	#8	4'-0"	
b(E)	824	#5	28'-8"	
b_1(E)	93	#6	62'-10"	
b_2(E)	864	#5	25'-8"	
b_4(E)	24	#8	33'-7"	
b_5(E)	8	#5	18'-9"	
b_6(E)	8	#8	16'-9"	
b_7(E)	8	#5	25'-10"	
b_8(E)	8	#8	25'-10"	
b_{11}(E)	24	#5	31'-4"	
c(E)	456	#5	4'-0"	
c_1(E)	218	#5	5'-8"	
d(E)	436	#4	5'-4"	L
d_1(E)	476	#5	3'-11"	⌐
e(E)	48	#4	12'-9"	
e_1(E)	120	#4	18'-1"	
e_2(E)	24	#4	16'-9"	
x(E)	180	#5	4'-1"	⌐
Reinforcement Bars (Epoxy Coated)			Lbs.	134,990
Class X Concrete			Cu. Yds.	567.90

Bars indicated thus 1 x3-#5 ect. indicates 1 line of bars with 3 lengths per lines.

Reinforcement bars designated (E) shall be epoxy coated.

P.G. ENGINEERING ASSOCIATES, INC.
600 WEST JACKSON BLVD.
CHICAGO ILLINOIS, 60606

JOSH PATEL

PARAPETS AND DECK DETAILS
TR 151 OVER F.A.I. RT. 57
SECTION 10-34 HBK
CHAMPAIGN COUNTY
STA. 20+12.62

SCALE: VERT.
HORIZ.
DATE

DESIGNED	J.M.P.
CHECKED	J.M.P.
DRAWN	S.D.D.
CHECKED	J.M.P.

REVISIONS	
NAME	DATE

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - R. CARROLL	REVISED -
		DRAWN - R. CARROLL	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PARAPETS AND DECK DETAILS
S.N. 010-0254
(FOR INFORMATION ONLY)

SCALE: | SHEET NO. 5 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34, 10-35)RS-2(SB)	CHAMPAIGN	66	54
		CONTRACT NO. 70923		
	ILLINOIS FED. AID PROJECT			