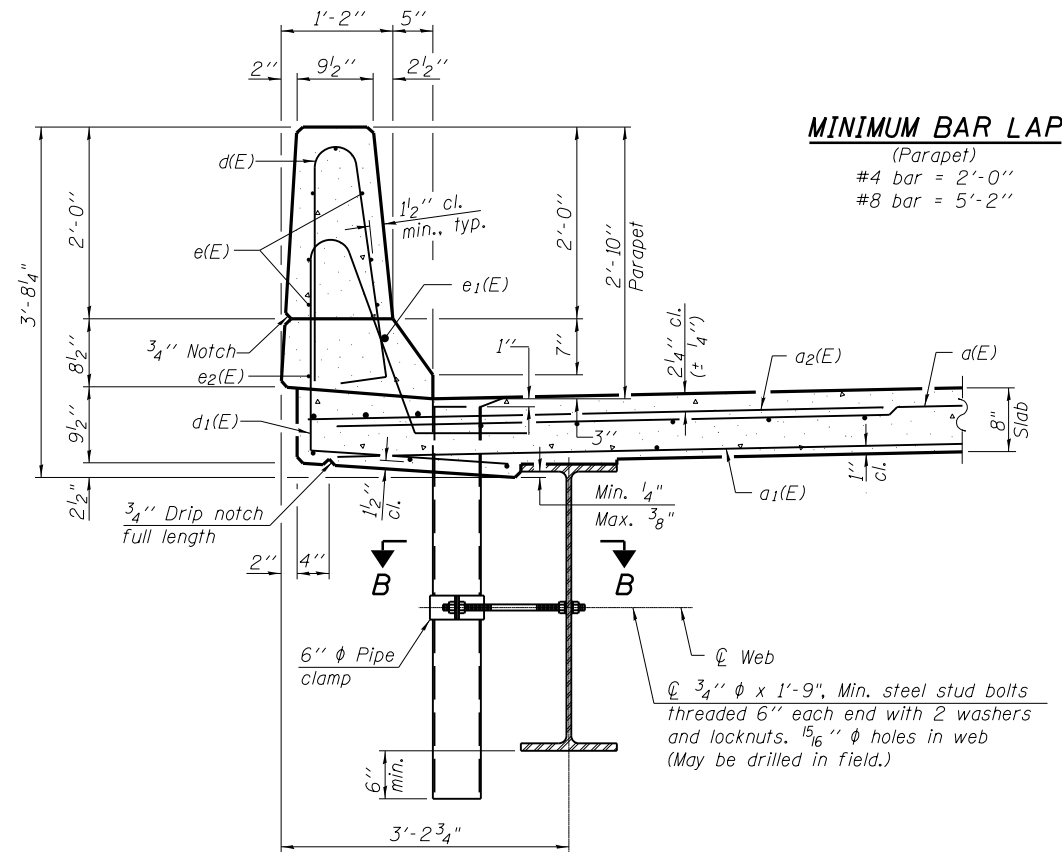


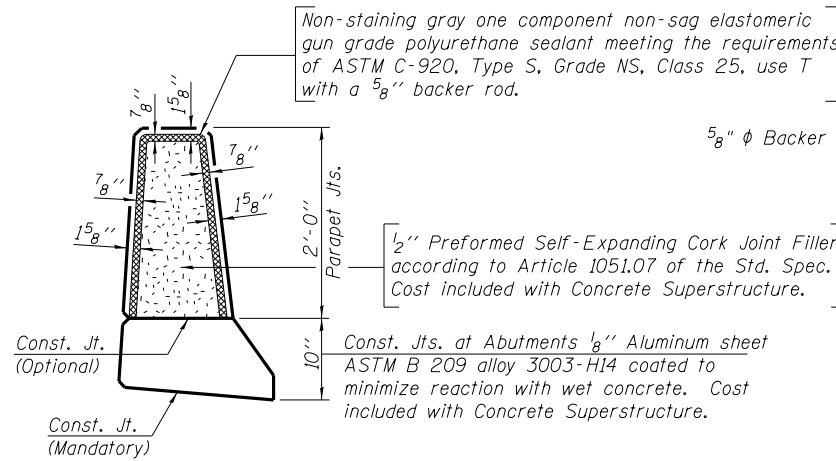
**INSIDE ELEVATION OF PARAPET**



**SECTION THRU PARAPET**

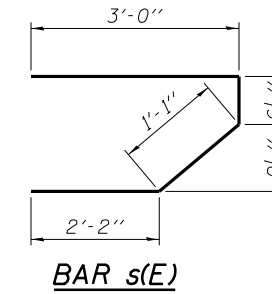
**MINIMUM BAR LAP**

(Parapet)  
#4 bar = 2'-0"  
#8 bar = 5'-2"

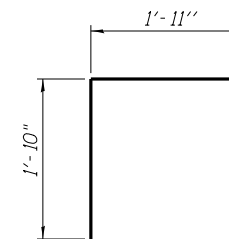


**PARAPET JOINT DETAILS**

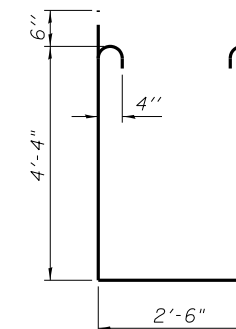
Notes:  
Drains shall be located clear of all diaphragms.  
The Floor Drains need not be painted.  
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.  
Galvanize clamping device according to AASHTO M232. Cost of clamping device and inserts is included with Floor Drains.



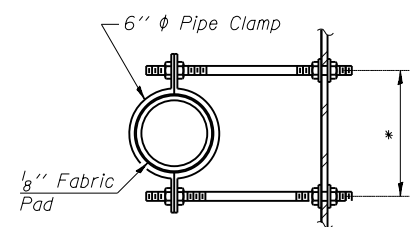
**BAR s(E)**



**BAR v(E)**

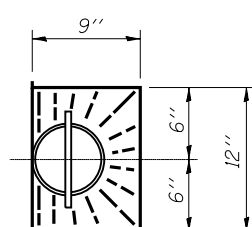


**BAR s1(E)**

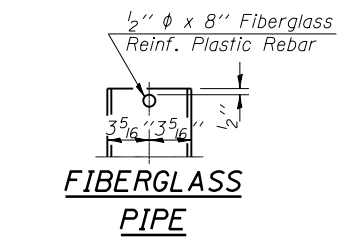


**SECTION B-B**

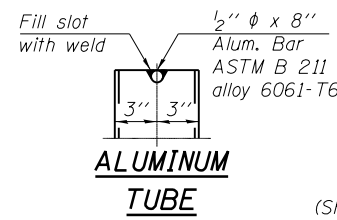
\*Dimension as required by Pipe Clamp



**TOP PLAN**

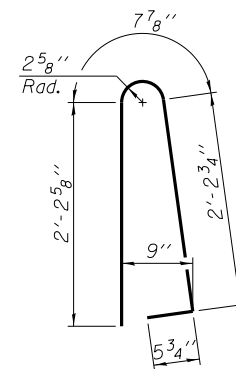


**FIBERGLASS PIPE**

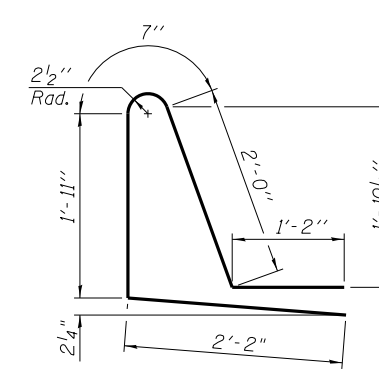


**ALUMINUM TUBE**

**TOP PLAN**  
(Showing Aluminum Tube)



**BAR d(E)**



**BAR d1(E)**

**SUPERSTRUCTURE BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	378	#5	19'-0"	—
a <sub>1</sub> (E)	248	#5	18'-9"	—
a <sub>2</sub> (E)	378	#6	6'-6"	—
a <sub>3</sub> (E)	8	#6	22'-4"	—
b(E)	126	#5	36'-9"	—
b <sub>1</sub> (E)	144	#5	28'-5"	—
d(E)	228	#5	5'-7"	⌋
d <sub>1</sub> (E)	228	#5	7'-10"	⌋
e(E)	84	#4	17'-0"	—
e <sub>1</sub> (E)	6	#8	38'-1"	—
e <sub>2</sub> (E)	8	#4	27'-6"	—
m(E)	20	#6	22'-4"	—
m <sub>1</sub> (E)	24	#6	9'-8"	—
m <sub>2</sub> (E)	8	#6	5'-10"	—
m <sub>3</sub> (E)	8	#6	2'-9"	—
s(E)	80	#5	6'-10"	⌋
s <sub>1</sub> (E)	72	#4	12'-2"	⌋
v(E)	80	#5	3'-9"	⌋
Reinforcement Bars, Epoxy Coated			Pound	32,560
Concrete Superstructure			Cu. Yds.	162.4
Floor Drains			Each	12
Bar Splicers			Each	417

Bars indicated thus 7 x 3-#4 etc. indicates 7 lines of bars with 3 lengths per line.

FILE NAME =	USER NAME =	DESIGNED RJP	REVISED -
		CHECKED ADL	REVISED -
		DRAWN RJP	REVISED -
		CHECKED ADL	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS  
STRUCTURE NO. 034-0528

SHEET NO. 10 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	(117,118)RS-4,119RS-1; 118B-1	HANCOCK	101	52
CONTRACT NO. 72B05				
ILLINOIS FED. AID PROJECT				