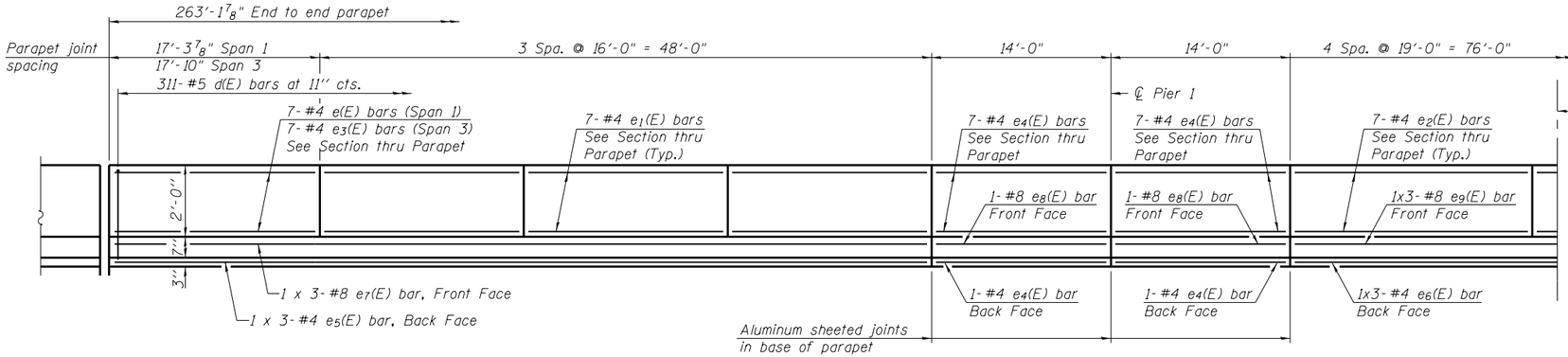
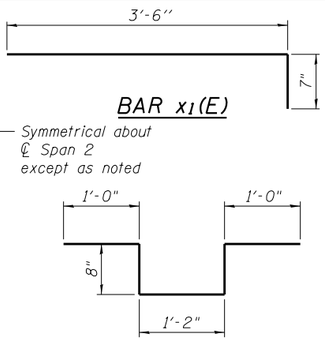
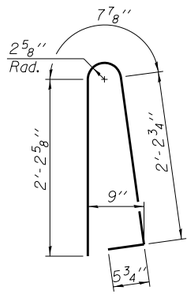
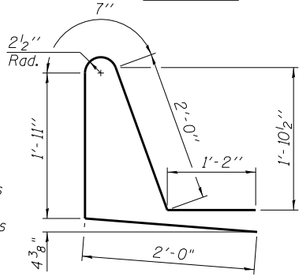


INSIDE ELEVATION OF PARAPET

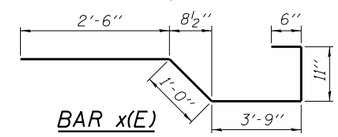




BAR d(E)



BAR d1(E)

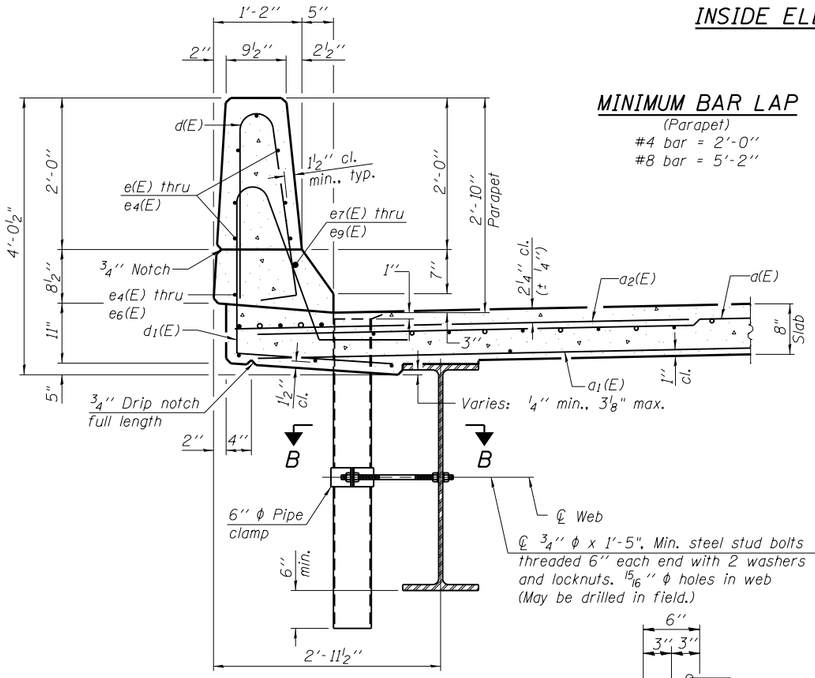


BAR x(E)

SUPERSTRUCTURE BILL OF MATERIAL

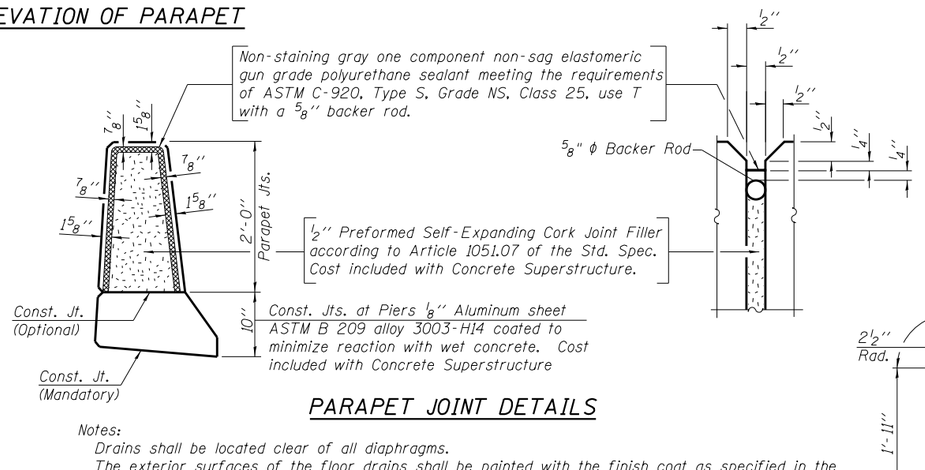
Bar	No.	Size	Length	Shape
a(E)	351	#5	30'-6"	
a1(E)	317	#5	29'-10"	
a2(E)	692	#6	6'-6"	
a3(E)	44	#6	12'-4"	
a4(E)	2	#6	27'-11"	
a5(E)	28	#6	33'-10"	
a6(E)	32	#5	1'-6"	
a7(E)	56	#4	4'-6"	
b(E)	306	#5	32'-2"	
b1(E)	186	#6	21'-4"	
b2(E)	260	#5	29'-3"	
b3(E)	8	#4	28'-10"	
d(E)	622	#5	5'-7"	
d1(E)	622	#5	7'-8"	
e(E)	14	#4	17'-0"	
e1(E)	84	#4	15'-8"	
e2(E)	56	#4	18'-8"	
e3(E)	14	#4	17'-6"	
e4(E)	64	#4	13'-8"	
e5(E)	12	#4	23'-4"	
e6(E)	6	#4	26'-9"	
e7(E)	12	#8	25'-5"	
e8(E)	8	#8	13'-8"	
e9(E)	6	#8	28'-10"	
x(E)	48	#5	8'-8"	
x1(E)	54	#5	4'-1"	
Bridge Deck Grooving		Sq. Yd.	761	
Protective Coat		Sq. Yd.	1,263	
Floor Drains		Each	12	
Reinforcement Bars, Epoxy Coated		Pound	68,300	
Concrete Superstructure		Cu. Yd.	278.7	

Bars indicated thus 1 x 3-#8 etc. indicates 1 line of bars with 3 lengths per line.



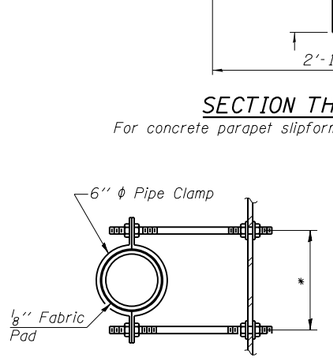
MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"

SECTION THRU PARAPET
For concrete parapet slipform option, see sheet S11 of S24.

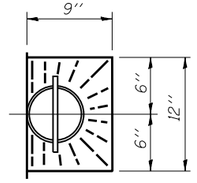


PARAPET JOINT DETAILS

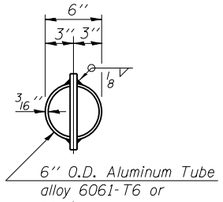
Notes:
Drains shall be located clear of all diaphragms.
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.
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.



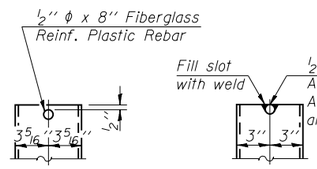
SECTION B-B
* Dimension as required by Pipe Clamp



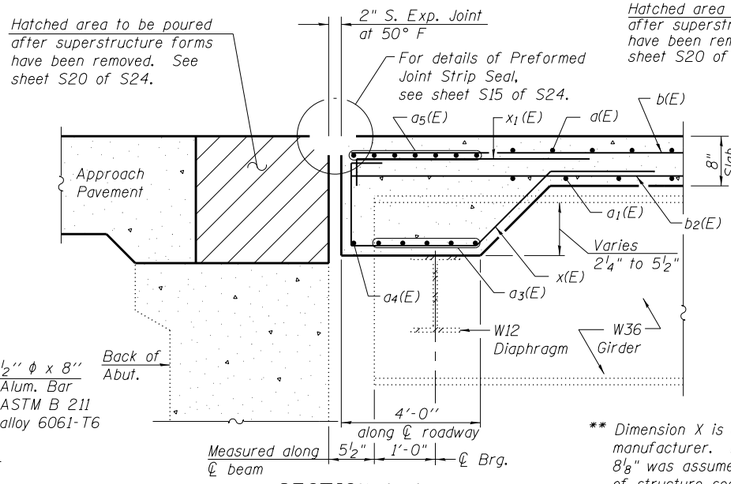
TOP PLAN



TOP PLAN
(Showing Aluminum Tube)

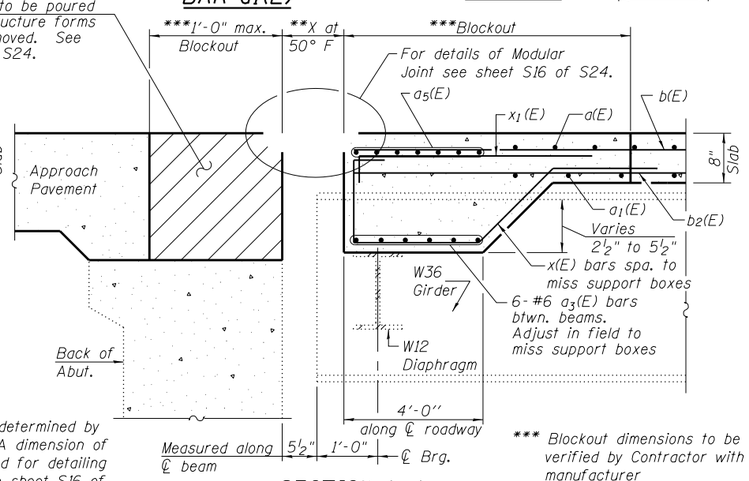


FIBERGLASS PIPE ALUMINUM TUBE



SECTION A-A
(South Expansion Joint)

** Dimension X is determined by manufacturer. A dimension of 8 1/8" was assumed for detailing of structure see sheet S16 of S24 for more details.



SECTION A-A
(North Expansion Joint)

*** Blockout dimensions to be verified by Manufacturer

COLLINS ENGINEERS, Inc.
123 North Wacker Drive
Suite 300
Chicago, IL 60606
(312) 704-9300
www.collinsengr.com
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000993

USER NAME =	DESIGNED - AMS	REVISED -	
	CHECKED - JMS	REVISED -	
PLOT SCALE =	DRAWN - DR	REVISED -	
PLOT DATE =	CHECKED - AMS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 049-0087
SHEET NO. S10 OF S24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706	125HB-BR	LAKE	51	27
		CONTRACT NO. 60R61		
		ILLINOIS FED. AID PROJECT		