HDR	**Barrier Reinforcing Bar List**		**Status:**	
			Drawing No:	
			Sheet :	1 of 3
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Wednesday, May 2, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Due to the complex bar shapes within the barrier, ProStructures was not able to produce accurate bent bar details. For this reason, a reinforcing bar list was produced outside the program. The location of each bar can be determined by performing a search for the bar mark within the model.

Bar Mark

Each bar within the model was assigned a bar mark. The make-up of the bar mark is shown below. For the purposes of bar marking, the alpha code is constant for all bars and acts as a spacer between the bar size and mark number. The alpha code does not correspond with the letter designation within the model level names.

6A24

Bar Size

Bar Mark No.

Alpha Code

HDR	**Barrier Reinforcing Bar List**		**Status:**	
			Drawing No:	
			Sheet :	2 of 3
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Wednesday, May 2, 2018
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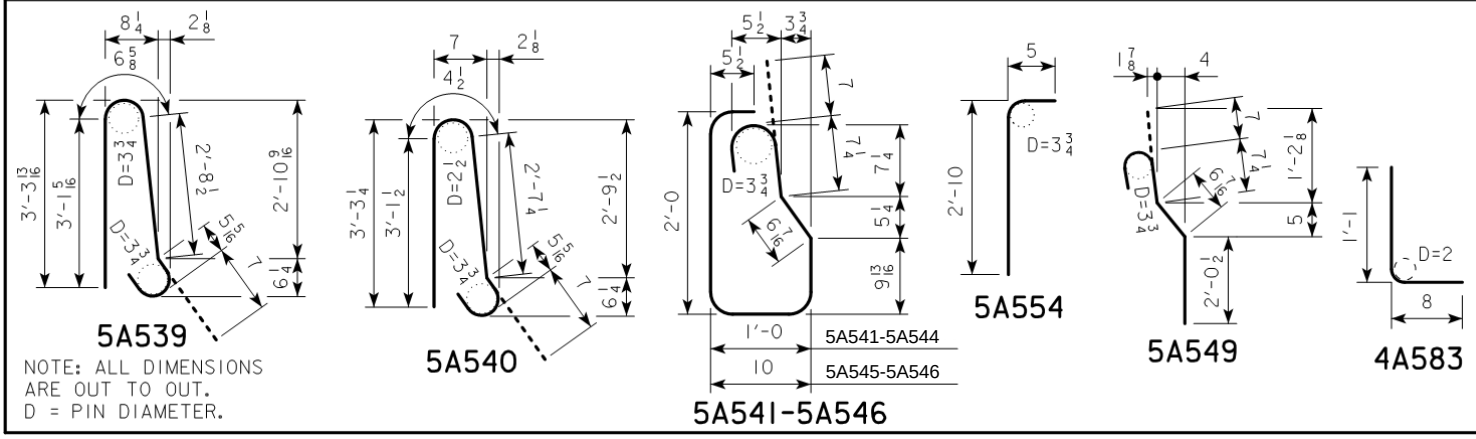
EPOXY COATED REINF. STEEL - TWO RAILS

SECTION	BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT
STANDARD SECTIONS	5A539	RAIL, VERTICAL		1,143	7'-5	8,842
	5A540	RAIL, VERTICAL		12	7'-1	89
	6A555-6A576	RAIL, LONGITUDINAL		416	38'-2	23,848
	4A583	RAIL, CONDUIT		189	1'-9	221
	4A584	RAIL, CONDUIT		189	0'-6	63
SPECIAL SECTIONS	5A539	RAIL, VERTICAL		52	7'-5	402
	6A577	RAIL, LONGIT. - SPECIAL SECTION A		26	17'-3	674
	4A583	RAIL, CONDUIT		7	1'-9	8
	4A584	RAIL, CONDUIT		7	0'-6	2
					EPOXY STEEL TOTAL WEIGHT (LBS.)	34,149

STAINLESS STEEL REINF. STEEL - TWO RAILS

SECTION	BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT
STD. SECTS.	5A541-5A544	RAIL, VERTICAL		1,143	6'-0	7,153
	5A545-5A546	RAIL, VERTICAL		12	5'-10	73
SPEC. SECTS.	5A554	RAIL, VERTICAL		52	3'-3	176
	5A549	RAIL, VERTICAL		52	3'-10	208
					STAINLESS STEEL TOTAL (LBS.)	7,610

BENT BAR DETAILS



HDR	**Barrier Reinforcing Bar List**		**Status:**	
			Drawing No:	
			Sheet :	3 of 3
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Wednesday, May 2, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

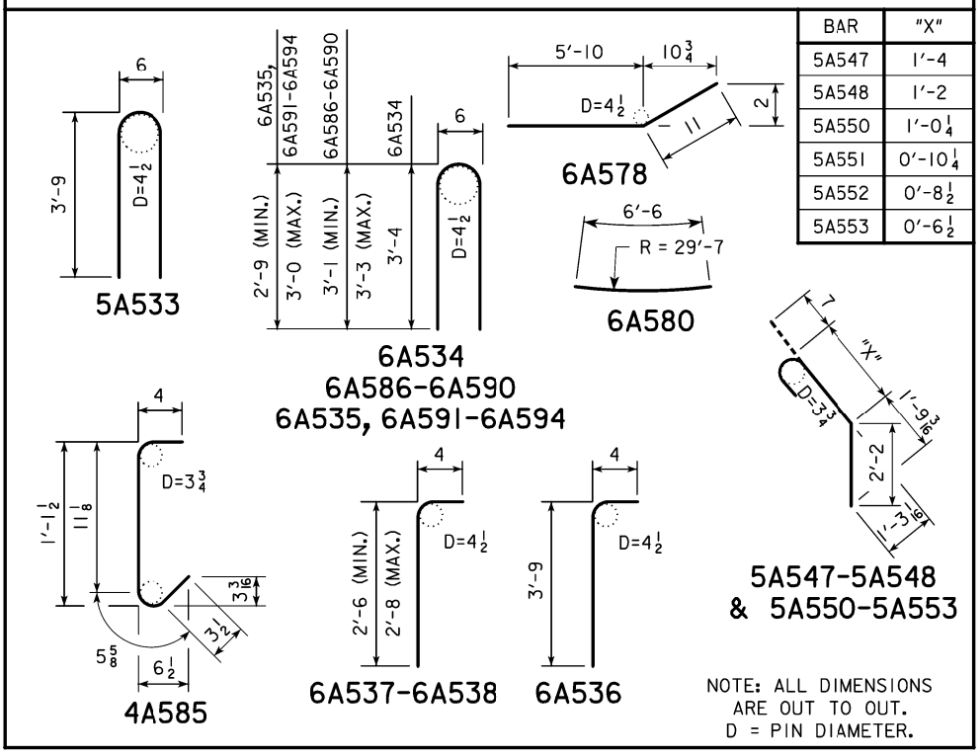
EPOXY COATED REINF. STEEL - ONE END SECT.

BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT
6A534	RAIL, VERTICAL	Π	2	6'-11	21
6A586-6A590	RAIL, VERTICAL	Π	5	VARIES	49
6A535, 6A591-6A594	RAIL, VERTICAL	Π	5	VARIES	45
6A537-6A538	RAIL, VERTICAL	Γ	4	VARIES	18
6A579	RAIL, HORIZONTAL	—	8	6'-8	80
6A578	RAIL, HORIZONTAL	—	6	6'-9	61
6A581	RAIL, HORIZONTAL	—	2	4'-5	13
6A580	RAIL, HORIZONTAL	⌣	2	6'-6	20
5A582	RAIL, HORIZONTAL	—	1	3'-9	4
4A585	RAIL, ABUTMENT WINGWALL TIE BARS	⌐	10	1'-8 1/4	11
				EPOXY REINF. TOTAL WEIGHT (LBS.)	322

STAINLESS STEEL REINF. STEEL - ONE END SECT.

BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT
6A536	RAIL, VERTICAL	Γ	4	4'-1	25
6A533	RAIL, VERTICAL	Π	12	8'-0	144
5A547-5A548 & 5A550-5A553	RAIL, VERTICAL	⌐	6	VARIES	23
				STAINLESS STEEL TOTAL WEIGHT (LBS.)	192

BENT BAR DETAILS



BAR	"X"
5A547	1'-4
5A548	1'-2
5A550	1'-0 1/4
5A551	0'-10 1/4
5A552	0'-8 1/2
5A553	0'-6 1/2

NOTE: ALL DIMENSIONS ARE OUT TO OUT.
D = PIN DIAMETER.