HDR	**Pier No. 6A Reinforcing Bar List**		**Status:**	
			Drawing No:	
			Sheet :	1 of 16
	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:**	

The reinforcing bar list on the following pages was generated within ProStructures. The following categories are contained within the report.

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.

Location

Describes the location of the bar within a specific concrete element.

Quantity

The total number of bars with the same bar mark and shape dimensions.

Material

The material designation is comprised of a number and letter. The number refers to the grade of steel, and the letter refers to the coating designation. The coating designations are as follows:

B - Black (Uncoated)
E - Epoxy Coated
S - Stainless Steel

Bar Size

English bar size designation

Pin Dia.

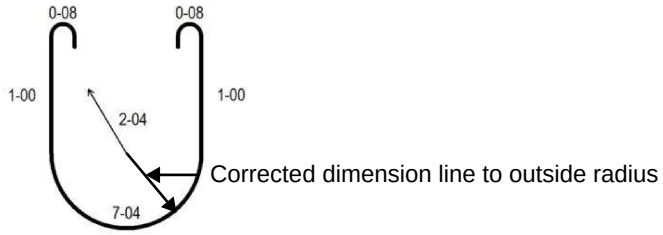
Inside diameter of bar bends shown in inches.

Length

Total length of the bar in feet and inches. Feet and inches are separated by a colon.

Bent Bar Detail

Shape of the bars with all applicable dimensions. Feet and inches are separated by a hyphen. All radial dimensions with the exception of pin diameters, are measured to the outside of bar. Pin diameters are measured to the inside of bar. For all U-shape bars similar to what's shown below, the radial dimension line shown is pointing in the wrong direction. The corrected line is shown. The radius is correct as shown.



Weight

Total weight of bars with the same bar mark shown in pounds.

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				Drawing No:	
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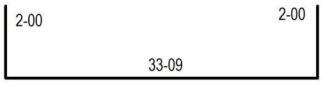
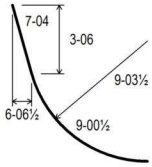
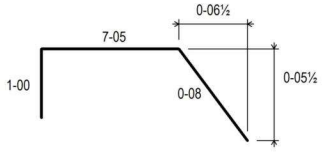
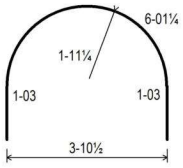
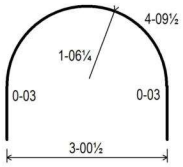
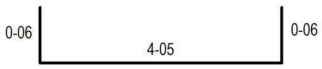
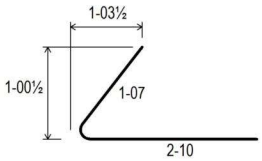
		Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project:	I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model:	52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
11A1	Pier_Cap_Top_Longitudinal	10	60B	#11	12.0	37:9		2,006
11A2	Pier_Cap_Top_Longitudinal	4	60B	#11	0.0	33:3		707
8A3	Pier_Cap_Sides_Longitudinal	4	60B	#8	0.0	33:3		355
8A4	Pier_Cap_Sides_Longitudinal	2	60B	#8	0.0	29:7		158
8A5	Pier_Cap_Sides_Longitudinal	2	60B	#8	0.0	23:6		125
8A6	Pier_Cap_Sides_Longitudinal	2	60B	#8	0.0	18:3		97
8A7	Pier_Cap_Bottom_Longitudinal	8	60B	#8	0.0	16:4		349
8A8	Pier_Cap_Sides_Longitudinal	2	60B	#8	0.0	15:0		80
8A9	Pier_Cap_Sides_Longitudinal	2	60B	#8	0.0	12:9		68
8A10	Pier_Cap_Sides_Longitudinal	2	60B	#8	0.0	11:1		59
8A11	Pier_Cap_Sides_Longitudinal	2	60B	#8	0.0	9:10		53
8A12	Pier_Cap_Sides_Longitudinal	2	60B	#8	0.0	8:9		47
6A13	Pier_Cap_Top_Longitudinal	16	60B	#6	4.5	9:1		218
5A14	Pier_Cap_End	2	60B	#5	0.0	8:7		18
5A15	Pier_Cap_End	2	60B	#5	0.0	5:3		11
5A16	Pier_Cap_End	8	60B	#5	2.5	5:5		45
5A17	Pier_Cap_End	16	60B	#5	2.5	4:5		74

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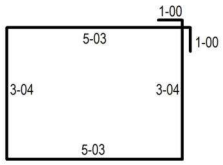
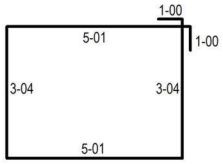
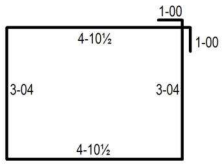
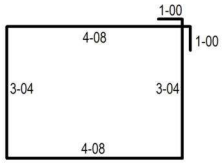
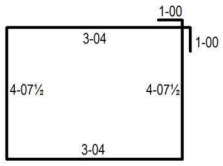
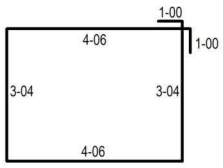
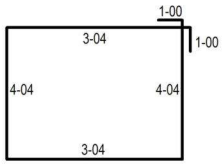
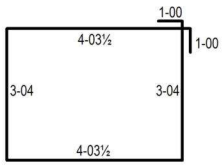
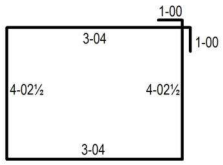
			Drawing No:	
			Sheet :	3 of 16
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A18	Pier_Cap_Hoops	2	60B	#6	4.5	19:2		58
6A19	Pier_Cap_Hoops	2	60B	#6	4.5	18:10		57
6A20	Pier_Cap_Hoops	2	60B	#6	4.5	18:5		55
6A21	Pier_Cap_Hoops	2	60B	#6	4.5	18:0		54
6A22	Pier_Cap_Hoops	2	60B	#6	4.5	17:11		54
6A23	Pier_Cap_Hoops	4	60B	#6	4.5	17:8		106
6A24	Pier_Cap_Hoops	2	60B	#6	4.5	17:4		52
6A25	Pier_Cap_Hoops	2	60B	#6	4.5	17:3		52
6A26	Pier_Cap_Hoops	2	60B	#6	4.5	17:1		51

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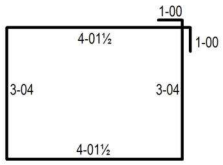
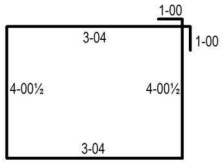
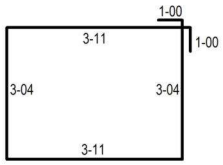
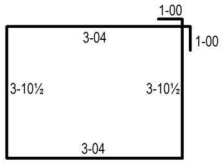
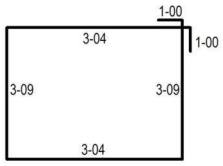
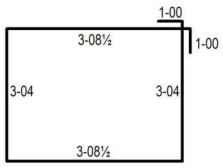
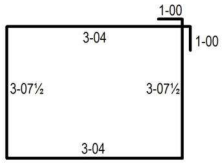
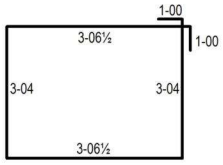
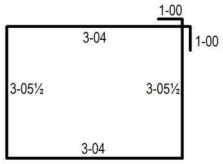
			Drawing No:	
			Sheet :	4 of 16
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A27	Pier_Cap_Hoops	2	60B	#6	4.5	16:11		51
6A28	Pier_Cap_Hoops	2	60B	#6	4.5	16:9		50
6A29	Pier_Cap_Hoops	3	60B	#6	4.5	16:6		74
6A30	Pier_Cap_Hoops	1	60B	#6	4.5	16:5		25
6A31	Pier_Cap_Hoops	2	60B	#6	4.5	16:2		49
6A32	Pier_Cap_Hoops	2	60B	#6	4.5	16:1		48
6A33	Pier_Cap_Hoops	2	60B	#6	4.5	15:11		48
6A34	Pier_Cap_Hoops	2	60B	#6	4.5	15:9		47
6A35	Pier_Cap_Hoops	2	60B	#6	4.5	15:7		47

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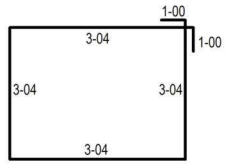
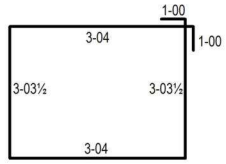
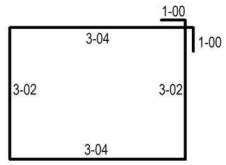
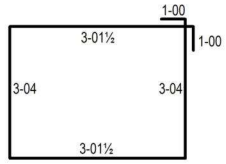
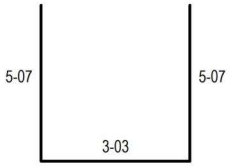
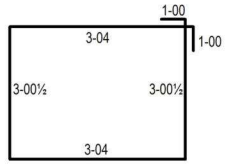
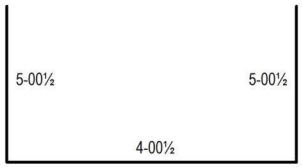
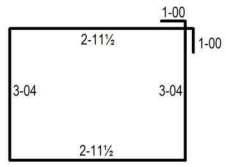
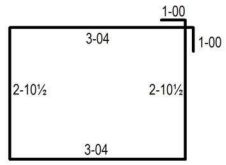
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A36	Pier_Cap_Hoops	3	60B	#6	4.5	15:4		69
6A37	Pier_Cap_Hoops	1	60B	#6	4.5	15:3		23
6A38	Pier_Cap_Hoops	2	60B	#6	4.5	15:0		45
6A39	Pier_Cap_Hoops	2	60B	#6	4.5	14:11		45
6A40	Pier_Cap_Hairpins_Vertical	40	60B	#6	4.5	14:5		866
6A41	Pier_Cap_Hoops	2	60B	#6	4.5	14:9		44
6A42	Pier_Cap_Hairpins_Vertical	7	60B	#6	4.5	14:1		148
6A43	Pier_Cap_Hoops	2	60B	#6	4.5	14:7		44
6A44	Pier_Cap_Hoops	2	60B	#6	4.5	14:5		43

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				Drawing No:	
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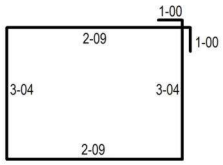
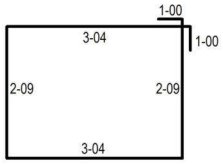
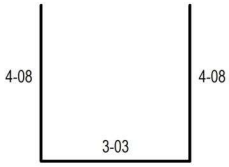
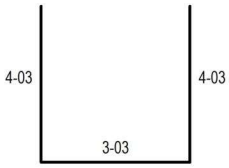
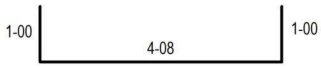
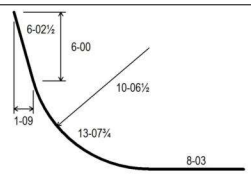
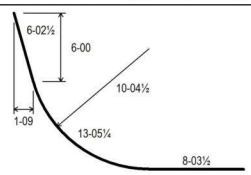
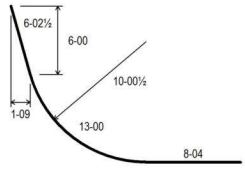
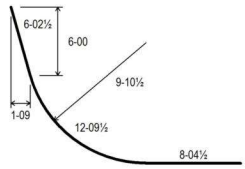
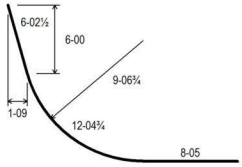
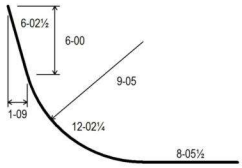
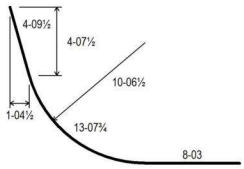
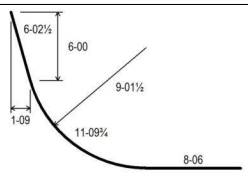
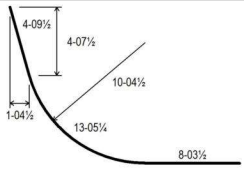
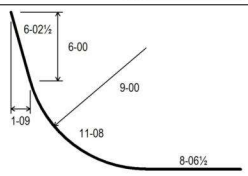
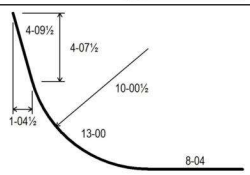
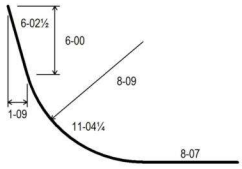
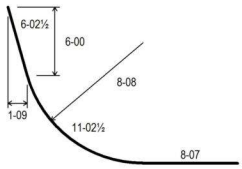
		Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project:	I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model:	52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A45	Pier_Cap_Hoops	3	60B	#6	4.5	14:2		64
6A46	Pier_Cap_Hoops	1	60B	#6	4.5	14:2		21
6A47	Pier_Cap_Hairpins_Vertical	20	60B	#6	4.5	12:7		378
6A48	Pier_Cap_Hairpins_Vertical	20	60B	#6	4.5	11:9		353
6A49	Pier_Cap_Top_Transverse	18	60B	#6	4.5	6:8		180
6A50	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	28:1		42
6A51	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	27:11		42
6A52	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	27:6		41
6A53	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	27:4		41

HDR	**Pier No. 6A Reinforcing Bar List**		**Status:**	
			Drawing No:	
			Sheet :	7 of 16
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A54	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	27:0		41
6A55	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	26:10		40
6A56	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	26:8		40
6A57	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	26:6		40
6A58	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	26:6		40
6A59	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	26:5		40
6A60	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	26:1		39
6A61	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	26:1		39
6A62	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	26:0		39

HDR	**Pier No. 6A Reinforcing Bar List**		**Status:**	
			Drawing No:	
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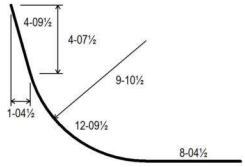
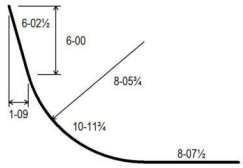
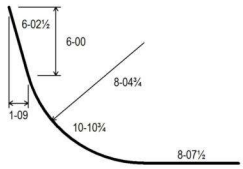
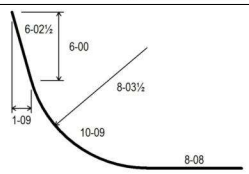
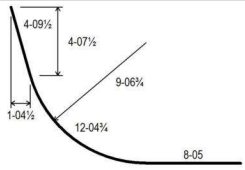
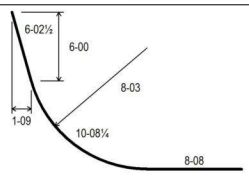
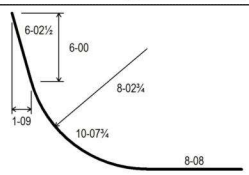
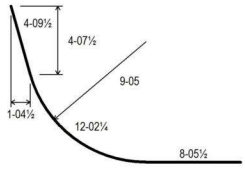
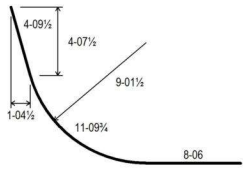
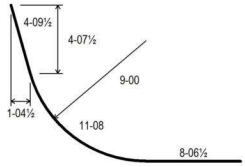
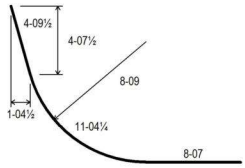
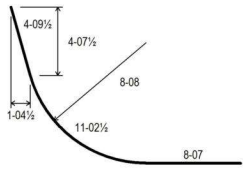
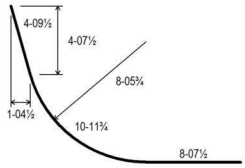
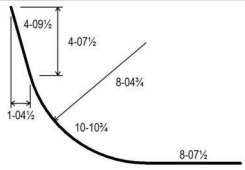
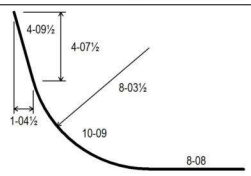
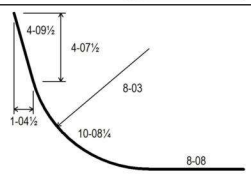
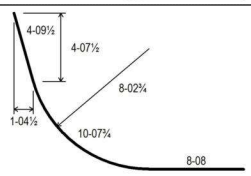
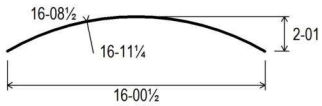
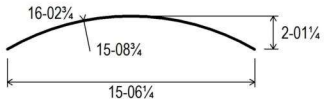
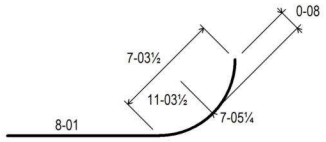
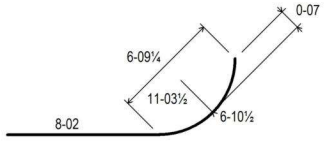
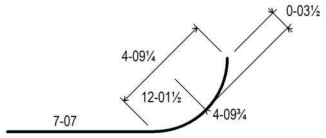
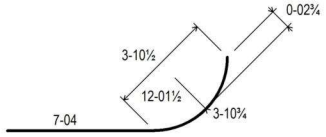
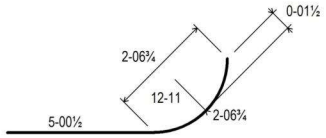
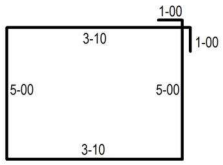
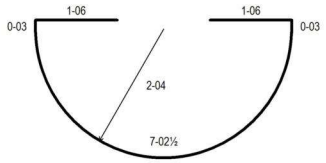
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A63	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	25:11		39
6A64	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	25:10		39
6A65	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	25:8		39
6A66	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	25:7		38
6A67	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	25:7		38
6A68	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	25:7		38
6A69	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	25:6		38
6A70	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	25:5		38
6A71	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	25:1		38

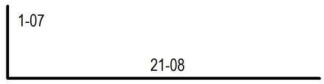
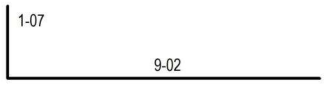
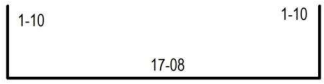
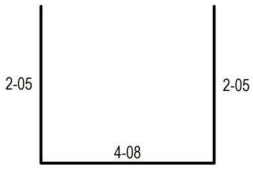
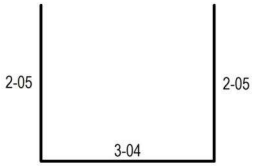
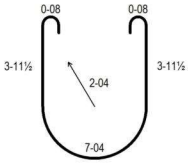
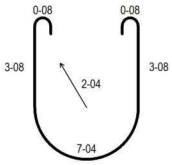
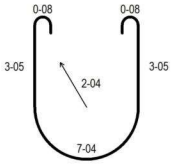
HDR	**Pier No. 6A Reinforcing Bar List**		**Status:**	
			Drawing No:	
			Sheet :	9 of 16
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A72	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	25:0		38
6A73	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	24:8		37
6A74	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	24:7		37
6A75	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	24:5		37
6A76	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	24:3		36
6A77	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	24:2		36
6A78	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	24:2		36
6A79	Pier_Cap Surface_Longitudinal	1	60B	#6	0.0	24:1		36
6A80	Pier_Cap Surface_Longitudinal	2	60B	#6	0.0	16:9		50

HDR	**Pier No. 6A Reinforcing Bar List**		**Status:**	
			Drawing No:	
			Sheet :	10 of 16
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A81	Pier_Cap Surface_Longitudinal	2	60B	#6	0.0	16:3		49
6A82	Pier_Cap Surface_Longitudinal	2	60B	#6	0.0	15:6		47
6A83	Pier_Cap Surface_Longitudinal	2	60B	#6	0.0	15:0		45
6A84	Pier_Cap Surface_Longitudinal	2	60B	#6	0.0	12:4		37
6A85	Pier_Cap Surface_Longitudinal	2	60B	#6	0.0	11:3		34
6A86	Pier_Cap Surface_Longitudinal	2	60B	#6	0.0	7:7		23
6A87	Pier_Cap Surface_Longitudinal	2	60B	#6	0.0	5:1		15
6A88	Pier_Cap Surface_Longitudinal	2	60B	#6	0.0	2:11		9
6A89	Pier_Column_Hoops	13	60B	#6	4.5	19:8		384
6A124	Pier_Column Surface_Transverse	14	60B	#6	4.5	10:8		224

HDR	**Pier No. 6A Reinforcing Bar List**		**Status:**	
			Drawing No:	
			Sheet :	11 of 16
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
9A138	Pier_Column_Vertical	20	60B	#9	9.5	23:3		1,581
9A139	Pier_Footing to Column Dowel	30	60B	#9	9.5	10:9		1,096
7A140	Pier_Footing_Top	36	60B	#7	0.0	17:8		1,300
10A141	Pier_Footing_Bottom	51	60B	#10	10.75	21:4		4,682
6A142	Pier_Cap_Pedestal_Longitudinal	12	60B	#6	4.5	9:6		171
6A143	Pier_Cap_Pedestal_Longitudinal	4	60B	#6	0.0	4:8		28
5A144	Pier_Cap_Pedestal_Transverse	10	60B	#5	2.5	8:2		85
6A595	Pier_Cap Surface_Transverse	1	60B	#6	4.5	16:7		25
6A596	Pier_Cap Surface_Transverse	2	60B	#6	4.5	16:0		48
6A597	Pier_Cap Surface_Transverse	1	60B	#6	4.5	15:6		23

HDR	**Pier No. 6A Reinforcing Bar List**		**Status:**	
			Drawing No:	
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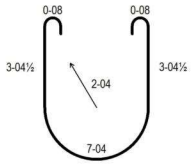
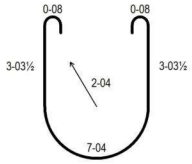
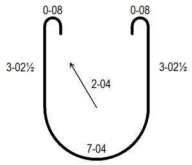
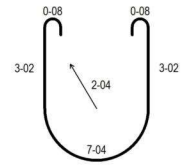
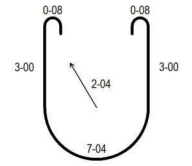
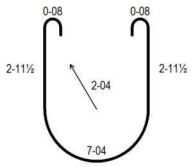
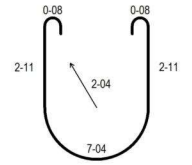
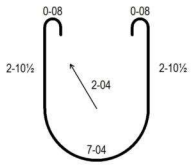
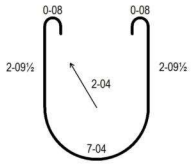
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A598	Pier_Cap Surface_Transverse	1	60B	#6	4.5	15:5		23
6A599	Pier_Cap Surface_Transverse	1	60B	#6	4.5	15:3		23
6A600	Pier_Cap Surface_Transverse	1	60B	#6	4.5	15:1		23
6A601	Pier_Cap Surface_Transverse	2	60B	#6	4.5	15:0		45
6A602	Pier_Cap Surface_Transverse	1	60B	#6	4.5	14:8		22
6A603	Pier_Cap Surface_Transverse	1	60B	#6	4.5	14:7		22
6A604	Pier_Cap Surface_Transverse	1	60B	#6	4.5	14:6		22
6A605	Pier_Cap Surface_Transverse	1	60B	#6	4.5	14:5		22
6A606	Pier_Cap Surface_Transverse	1	60B	#6	4.5	14:3		21

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			Drawing No:	
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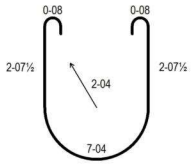
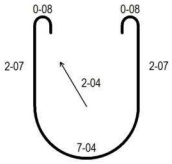
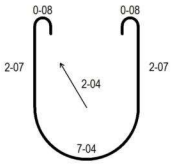
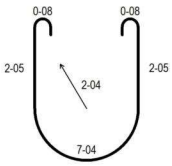
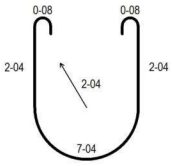
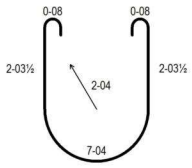
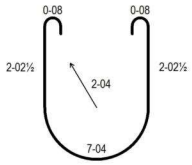
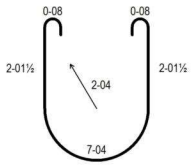
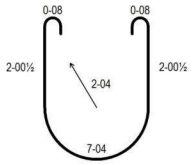
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A607	Pier_Cap Surface_Transverse	2	60B	#6	4.5	13:11		42
6A608	Pier_Cap Surface_Transverse	1	60B	#6	4.5	13:10		21
6A609	Pier_Cap Surface_Transverse	1	60B	#6	4.5	13:10		21
6A610	Pier_Cap Surface_Transverse	2	60B	#6	4.5	13:6		41
6A611	Pier_Cap Surface_Transverse	1	60B	#6	4.5	13:4		20
6A612	Pier_Cap Surface_Transverse	1	60B	#6	4.5	13:3		20
6A613	Pier_Cap Surface_Transverse	1	60B	#6	4.5	13:1		20
6A614	Pier_Cap Surface_Transverse	1	60B	#6	4.5	12:11		19
6A615	Pier_Cap Surface_Transverse	2	60B	#6	4.5	12:9		38

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			Drawing No:	
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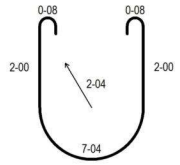
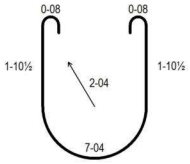
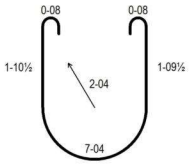
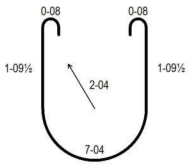
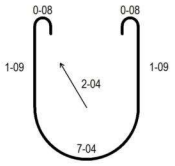
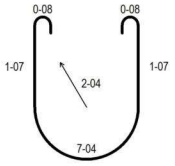
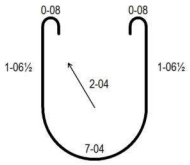
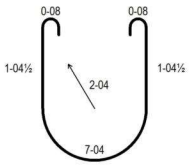
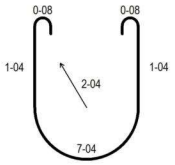
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A616	Pier_Cap Surface_Transverse	1	60B	#6	4.5	12:8		19
6A617	Pier_Cap Surface_Transverse	1	60B	#6	4.5	12:5		19
6A618	Pier_Cap Surface_Transverse	1	60B	#6	4.5	12:4		19
6A619	Pier_Cap Surface_Transverse	2	60B	#6	4.5	12:3		37
6A620	Pier_Cap Surface_Transverse	2	60B	#6	4.5	12:2		37
6A621	Pier_Cap Surface_Transverse	1	60B	#6	4.5	11:10		18
6A622	Pier_Cap Surface_Transverse	1	60B	#6	4.5	11:9		18
6A623	Pier_Cap Surface_Transverse	1	60B	#6	4.5	11:5		17
6A624	Pier_Cap Surface_Transverse	1	60B	#6	4.5	11:4		17

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			Drawing No:	
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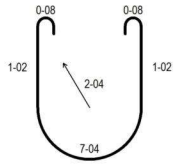
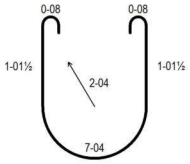
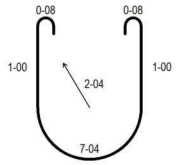
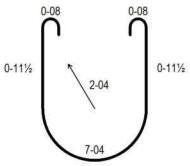
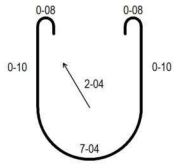
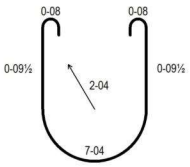
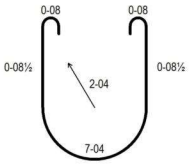
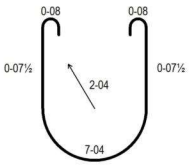
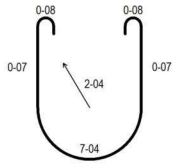
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A625	Pier_Cap Surface_Transverse	1	60B	#6	4.5	11:0		17
6A626	Pier_Cap Surface_Transverse	1	60B	#6	4.5	10:11		16
6A627	Pier_Cap Surface_Transverse	1	60B	#6	4.5	10:8		16
6A628	Pier_Cap Surface_Transverse	1	60B	#6	4.5	10:7		16
6A629	Pier_Cap Surface_Transverse	1	60B	#6	4.5	10:4		16
6A630	Pier_Cap Surface_Transverse	1	60B	#6	4.5	10:3		15
6A631	Pier_Cap Surface_Transverse	1	60B	#6	4.5	10:1		15
6A632	Pier_Cap Surface_Transverse	1	60B	#6	4.5	9:11		15
6A633	Pier_Cap Surface_Transverse	1	60B	#6	4.5	9:10		15

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			Drawing No:	
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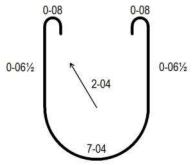
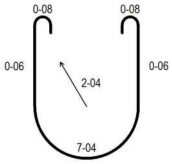
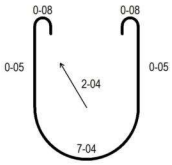
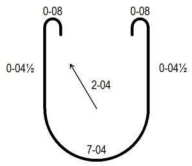
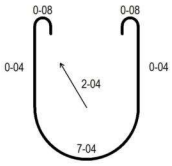
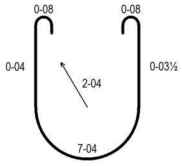
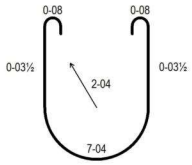
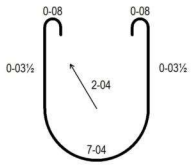
	Project No.:	IM-080-6(355)239--13-52	**Revision:**	
Project: I-80/I-380 Interchange, Design No. 420	**Prepared by:**	GMS	**Date:**	Friday, May 4, 2018
Model: 52080355_420_PS.dgn	**Checked by:**	TLP	**Last revised:**	

Bar Mark	Location	Quantity	Material	Bar Size	Pin Dia. (in)	Length (ft:in)	Bent Bar Detail (ft-in)	Weight (lbs)
6A634	Pier_Cap Surface_Transverse	1	60B	#6	4.5	9:9		15
6A635	Pier_Cap Surface_Transverse	1	60B	#6	4.5	9:8		15
6A636	Pier_Cap Surface_Transverse	1	60B	#6	4.5	9:6		14
6A637	Pier_Cap Surface_Transverse	1	60B	#6	4.5	9:5		14
6A638	Pier_Cap Surface_Transverse	2	60B	#6	4.5	9:4		28
6A639	Pier_Cap Surface_Transverse	4	60B	#6	4.5	9:3		56
6A640	Pier_Cap Surface_Transverse	3	60B	#6	4.5	9:3		42
6A641	Pier_Cap Surface_Transverse	1	60B	#6	4.5	9:3		14

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