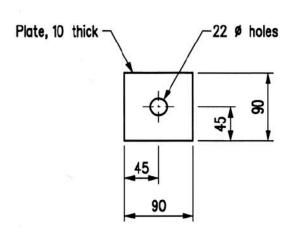
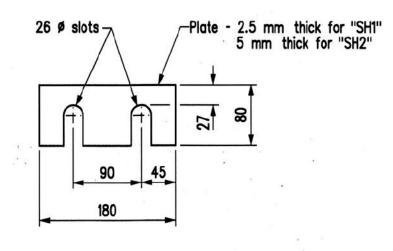


FILLER PLATES Mk. "S4" & "S5"

BRACKET Mk. "S2"



WASHER Mk. "A2"



SHIM PLATES Mk. "SH1" & "SH2"

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10.00

ARK No.	No.	DESCRIPTION	CORROSION PROTECTION	SIZE	LENGTH	REMARKS	COMPONENT MASS	MASS PER UNIT	TOTAL MASS
P1	2	Steel plate	Hot dip galvanized	[]					1602.8
		Each unit to be fabricated from :		('					(
		1 - Steel plate	· · · · ·	PL 32x550	5 800	See detail for Abutment	801.328	801.328	
		8 - Nelson Type NBL, no thread studs	· · · · · ·	10 dia.	19	0	0.012	0.096	(
		/	· · · · · · · · · · · · · · · · · · ·	<u> </u>			ГГ	801.424	
		['	r	ſ′					
P1a	2	Steel plate	Hot dip galvanized	ſ′	3. St.				1602.8
		Each unit to be fabricated from :	· · · · · · · · · · · · · · · · · · ·	ſ′					
		1 - Steel plate	· · · · · · · · · · · · · · · · · · ·	PL 32x550		See detail for Abutment	801.328	801.328	
		8 - Nelson Type NBL, no thread studs	· · · · · · · · · · · · · · · · · · ·	10 dia.	19		0.012		
		· · · · · · · · · · · · · · · · · · ·	<u> </u>	ſ′				801.424	
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
P2	Contraction of the second		Hot dip galvanized	ſ′					678.4
		Each unit to be fabricated from :	· · · · · · · · · · · · · · · · · · ·						
		1 - Steel plate	· · · · · · · · · · · · · · · · · · ·	PL 32x500	5 400	See detail for Intermediate Bent	678.240	678.240	
		16 - Nelson Type NBL, no thread studs	·	10 dia.	19		0.012	and the second	and second a transmission of the second
			<u> </u>				[678.432	
	·	· · · · · · · · · · · · · · · · · · ·	<u>ر</u> ر	ſ′			t		
P2a	1	Steel plate	Hot dip galvanized	ſ′					753.
		Each unit to be fabricated from :	<u> </u>	· · · · · · · · · · · · · · · · · · ·	9.24				
		1 - Steel plate	· · · · · · · · · · · · · · · · · · ·	PL 32×500	6 000	See detail for Intermediate Bent	753.600		
		16 - Nelson Type NBL, no thread studs	<u> </u>	10 dia.	19		0.012		
			<u> </u>	· · · · · · · · · · · · · · · · · · ·			r	753.792	
			//						
P3	a		Hot dip galvanized	C310x45	State and a state of the state	See detail for Abutment		518.520	
P4	1		Hot dip galvanized	C310x45	- Andrew - A	See detail for Intermediate Bent		509.580	
P4a	1	Steel channel	Hot dip galvanized	C310x45	11 400	See detail for Intermediate Bent		509.580	509.
	\square	· · · · · · · · · · · · · · · · · · ·	//	ſ′					
R30			Hot dip galvanized			Steel plate to channels		0.245	
R32			Hot dip galvanized			Steel plate to channels C'bore holes		0.225	and the second sec
R35	252	A325 bolt assembly	Hot dip galvanized	22 dia.	64	Channels to piles		0.461	116.
R36	48	A325 bolt assembly	Hot dip galvanized	16 dia.	64	Angles Mk. "S1" to piles & bracket Mk. "S2"	,	0.205	9.
K30	40	A325 bolt assembly	Hot dip gaivanias	To ula.	04	to cap	L	0.200	
		(*************************************	<u> </u>						
S1	1 42003.0	Angle	Hot dip galvanized		250	As detailed		7.250	
S2		Bracket	Hot dip galvanized			As detailed		11.226	30.57
S3		Plate	Hot dip galvanized			As detailed		3.223	
S4	1.528.0	Filler plate	Hot dip galvanized	STATISTICS AND AND AND A	300	As detailed		1.413	
S5	and the second se	Filler plate	Hot dip galvanized	A second s	300	As detailed	<u> </u>	0.707	11.
A1		Structural plate washer	Hot dip galvanized		150	As detailed - One to threaded rod Mk. "TR2"		1.766	
A2		Structural plate washer	Hot dip galvanized		90	As detailed - One to bolt Mk. "R34"		0.636	
TR1	32	Threaded rods c/w two hex. nuts	Hot dip galvanized		400	Girder to steel cap plate		0.940	1
TR3	32	Threaded rods c/w two hex. nuts	Hot dip galvanized	19 dia.	300	Steel plates Mk. "S3" to precast panels		0.660	21
			/	ſ′					
		Hardened bevel washer	Hot dip galvanized		2	One to bolts Mk. "R30" & "R32"	l	0.110	
	16	Standard flat washer	Stainless Steel	for 13 dia. rod		One to threaded rod Mk. "TR2"		0.010	
		Standard flat washer	Hot dip galvanized	for 19 dia. rod		One to "TR1", two to "TR3"	t	0.020	
		Structural lock washer	Stainless Steel	for 13 dia. rod		One to threaded rod Mk. "TR2"	t	0.010	
	64	Structural lock washer	Hot dip galvanized			One to "TR1" & "TR3"	t	0.020	
	252	F436 Hardened washer	Hot dip galvanized	a second s		One to bolt Mk. "R35"	t	0.032	8
	48	F436 Hardened washer	Hot dip galvanized			One to bolt Mk. "R36"	t	0.014	0
	·′	· · · · · · · · · · · · · · · · · · ·	<u> </u>				t	\square	
R1	112	A325 bolt assembly	Hot dip galvanized	22 dia.	76	R.C. girder connection	t,	0.499	55
W1	1.0000000	Structural flat washer	Hot dip galvanized	02/02/02/02/0	100-00 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000 100-000000 100-00000000	One to bolt Mk. "R1"	t	0.050	
		Pair Nord-Lock lock washers		for 22 dia. bolts	<u> </u>	One pair to bolt Mk. "R1"	t	0.020	
-	<u> </u>	f	t				·	,	
SH1	56	Shim plate	Hot dip galvanized	PL 2.5x80	180	As detailed - use as required	+ ,	0.231	12
SH2		Shim plate	Hot dip galvanized		180	As detailed - use as required	t,	0.463	
· · · · ·		Commission of the second secon					++	()	t
\neg	<u> </u>		1				· ·	· ·	•

1. All material noted in the above Bill shall be hot dip galvanized after fabrication in accordance with ASTMA123, A153 & A143 for a minimum net retention of 610 g/m² unless otherwise stated in the specified material ASTM standards. The fabricator and galvanizer shall safeguard against embrittlement using recommended practices from applicable standards.

Seal all welds prior to galvanizing.
Apply Galvaloy to all field welds and areas where galvanizing has been damaged.
All bolts and threaded rod in the above Bill shall be Imperial thread.

REVISIONS				STEEL PILE CAP DETAILS				
			- (2-5)				Ð	
		÷			a car			
DATE	BY	D	ESCRIPTION	APPROVED BY:			D BY:	
DESIGN SEAL RECORD SEAL			RECORD SEAL	M	anitoba 🗫	Original signed by John Logan Dec.13, 2022		
Original signed by			534 B	Transportation and Infrastructure Bridges and Highway Structures		DIRECTOR OF	BRIDGES AND HIGHWAY STRUCTURES	
					ву: <u>А.Н.Р.</u>	DATE .		
Andy Pankratz Nov.2, 2022				DESIGN	CHECKED:	SCALE:	SHEET No. 2 of 2	
			2.	DETAILS	ву: <u>К.Р</u>	1:5	SHEET No <u>Z 0T Z</u>	
					CHECKED:	<u>or as shown</u>	STD No.PPCC_PR_9.6_12m_IB_SC02	