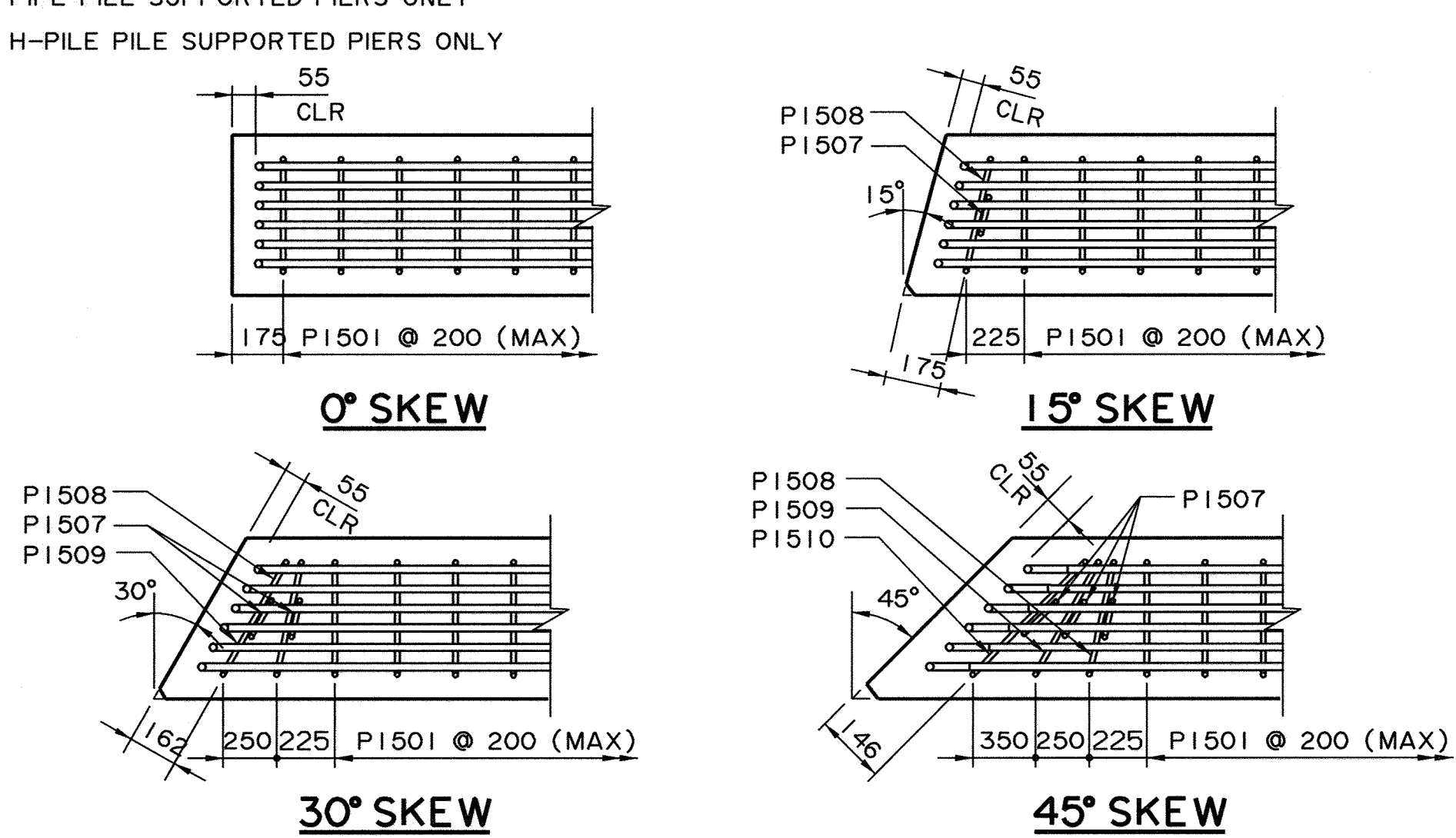


CLEAR ROADWAY (GIRDERS PER SPAN)		SKEW		8940 (8)				10160 (9)				11370 (10)				12590 (11)				13810 (12)				15020 (13)			
				0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°
NUMBER OF MAIN STIRRUPS	P1501	HP		48	50	52	62	52	56	60	72	60	62	68	82	66	68	72	90	70	72	80	98	76	78	86	106
NUMBER OF U-BARS	P1502	HP		18	18	22	28	20	20	24	32	22	24	28	36	24	26	30	38	28	28	32	42	30	32	36	46
LENGTH OF MAIN BARS		M					9000				9000	9000	9000	9000	12000	9000	9000	12000	12000	9000	12000	12000	12000	12000	12000	12000	12000
NUMBER " " "	P2501	HP					10				10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
NUMBER " " "		PP					12				12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
LENGTH " " "		N		9610	9950	11110	6035	10825	11210	4915	4750	4440	4870	6320	6475	5655	6130	4725	8190	6870	4385	6130	9910	5090	5645	7530	11630
NUMBER " " "	P2502	HP		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
NUMBER " " "		PP		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
LENGTH OF BOTTOM BARS		P					9000				9000	9000	9000	9000	12000	9000	9000	12000	12000	9000	12000	12000	12000	12000	12000	12000	12000
NUMBER " " "	P3001	HP					2				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
LENGTH " " "		Q		9610	9950	11110	5920	10820	11210	4815	4650	4340	4770	6220	6375	5555	6030	4625	8090	6770	4285	6030	9810	4990	5545	7430	11530
NUMBER " " "	P3002	HP		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
LENGTH OF TOPPING BARS		R		2360	2440	2725	3335					3575	3700	4130	5055					4790	4960	5530	6775				
NUMBER OF TOPPING BARS	P1503	HP		12	12	12	12					12	12	12	12					12	12	12	12				
NUMBER OF TOPPING BARS		PP		8	8	8	8					8	8	8	8					8	8	8	8				
LENGTH OF TOPPING BARS		R						2360	2440	2825	3400					3575	3700	4230	5300					4790	4960	5630	7030
NUMBER OF TOPPING BARS	P1504	HP						12	12	12	12					12	12	12	12					12	12	12	12
NUMBER OF TOPPING BARS		PP						8	8	8	8					8	8	8	8					8	8	8	8
LENGTH OF BOTTOM BARS	P2503	S		825	880	1060	1455	770	825	1000	1380	975	1035	1235	1670	910	965	1160	1575	860	915	1100	1505	1010	1070	1275	1720
NUMBER " " "		HP		20	20	20	20	24	24	24	24	24	24	24	24	28	28	28	28	32	32	32	32	32	32	32	32
LENGTH " " "	P2504	T		645	680	805	1080	645	680	805	1080	645	680	805	1080	645	680	805	1080	645	680	805	1080	645	680	805	1080
NUMBER " " "		HP		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
NUMBER OF PILE U-BARS	P1505	HP		12	12	12	12	14	14	14	14	14	14	14	14	16	16	16	16	18	18	18	18	18	18	18	18
NUMBER OF PILE TIES	P1506	HP		48	48	48	48	56	56	56	56	56	56	56	56	64	64	64	64	72	72	72	72	72	72	72	72
NUMBER OF PILE STIRRUPS	P1507	HP		48	50	52	54	56	58	60	62	56	58	60	62	64	66	68	70	72	74	76	78	72	74	76	78
NUMBER OF STIRRUPS	P1508	HP			2	2	2		2	2	2		2	2	2		2	2	2		2	2	2		2	2	2
NUMBER OF STIRRUPS	P1509	HP				2	2			2	2			2	2			2	2			2	2			2	2
NUMBER OF STIRRUPS	P1510	HP					2				2				2				2				2				2
NUMBER OF EDGE TIES	P1001	HP		84	84	84	84	98	98	98	98	98	98	98	98	112	112	112	112	126	126	126	126	126	126	126	126
NUMBER OF PILE TIES	P1514	PP		48	48	48	48	56	56	56	56	56	56	56	56	64	64	64	64	72	72	72	72	72	72	72	72
NUMBER OF MAIN STIRRUPS	P1515	PP		48	50	56	70	54	56	62	78	60	62	70	88	66	68	78	96	72	74	86	102	78	80	90	112
NUMBER OF U-BARS	P1516	PP		18	18	22	28	20	20	24	32	22	24	28	36	24	26	30	38	28	28	32	42	30	32	36	46
NUMBER OF TIES	P1002	PP		36	36	36	36	42	42	42	42	42	42	42	42	48	48	48	48	54	54	54	54	54	54	54	54
NUMBER OF STIRRUPS	P1517	PP			2	2	2		2	2	2		2	2	2		2	2	2		2	2	2		2	2	2
NUMBER OF STIRRUPS	P1518	PP				2	2			2	2			2	2			2	2			2	2			2	2
NUMBER OF STIRRUPS	P1519	PP					2				2				2				2				2				2
NUMBER OF PILE LAP BARS	P2001	HP		24	24	24	24	28	28	28	28	28	28	28	28	32	32	32	32	36	36	36	36	36	36	36	36
LENGTH OF TOP BOT BARS		U		1150	1200	1385	1780	1095	1150	1325	1705	1300	1360	1560	1995	1235	1290	1485	1900	1185	1240	1425	1830	1335	1395	1600	2045
NUMBER " " "	P2505	PP		20	20	20	20	24	24	24	24	24	24	24	24	28	28	28	28	32	32	32	32	32	32	32	32
LENGTH " " "		V		860	895	1020	1290	860	895	1020	1290	860	895	1020	1290	860	895	1020	1290	860	895	1020	1290	860	895	1020	1290
NUMBER " " "	P2506	PP		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
NUMBER OF PILE LAP BARS	P2507	PP		12	12	12	12	14	14	14	14	14	14	14	14	16	16	16	16	18	18	18	18	18	18	18	18
NUMBER OF PILE DOWELS	E2501	PP		36	36	36	36	42	42	42	42	42	42	42	42	48	48	48	48	54	54	54	54	54	54	54	54
NUMBER OF PILE DOWEL TIES	E1001	PP		18	18	18	18	21	21	21	21	21	21	21	21	24	24	24	24	27	27	27	27	27	27	27	27
NUMBER OF GIRDER DOWELS	Z2501H			32	32	32	32	36	36	36	36	40	40	40	40	44	44	44	44	48	48	48	48	52	52	52	52

PP REQUIRED FOR PIPE PILE SUPPORTED PIERS ONLY
HP REQUIRED FOR H-PILE PILE SUPPORTED PIERS ONLY

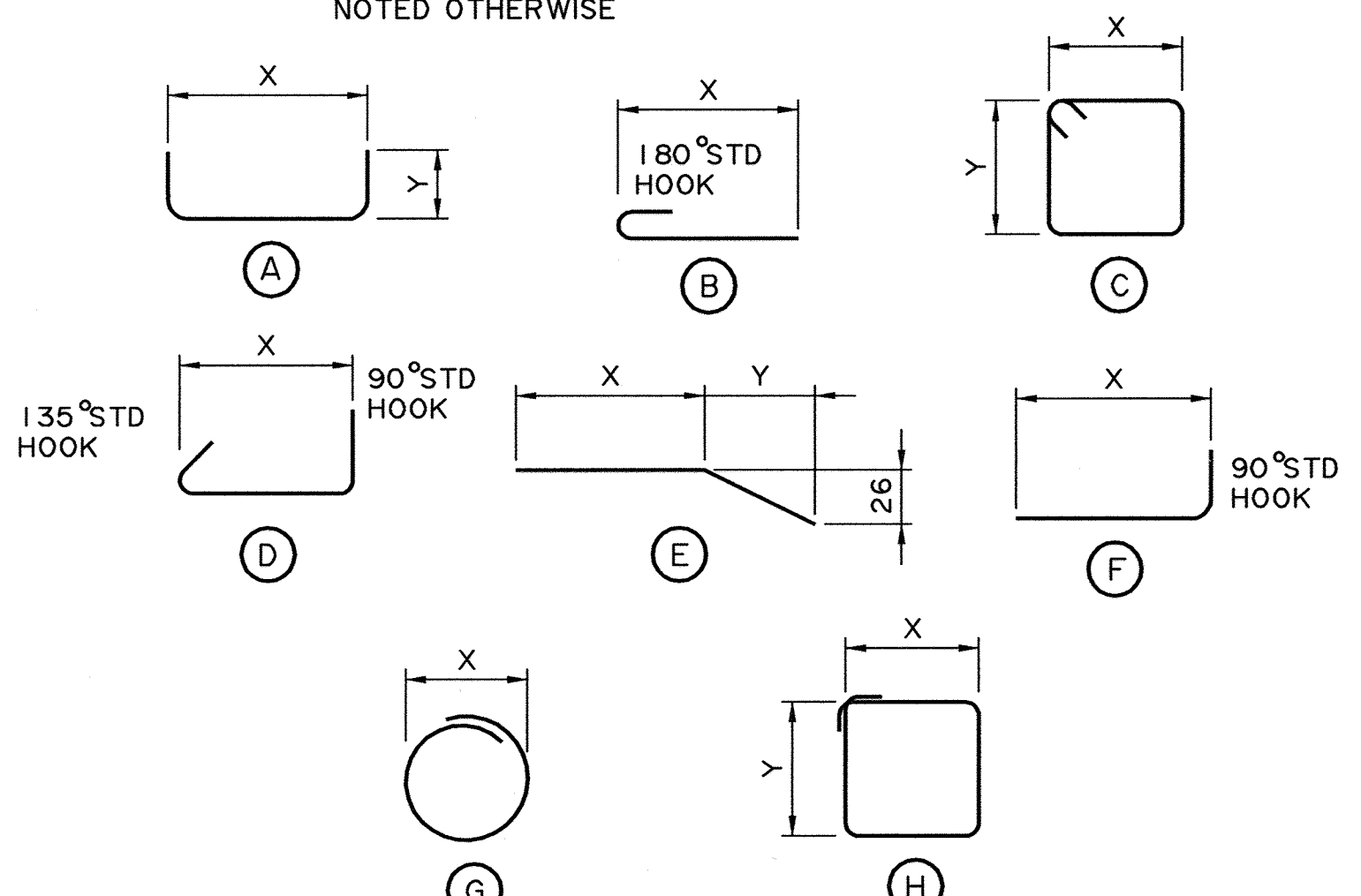
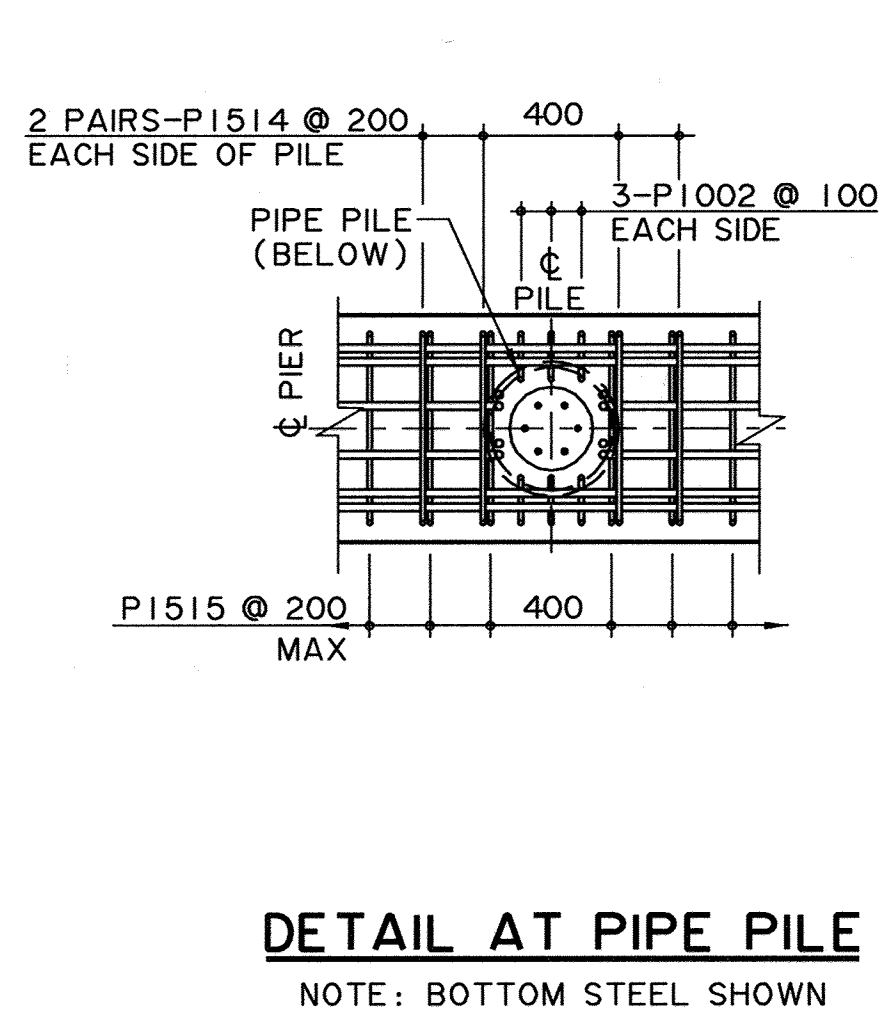
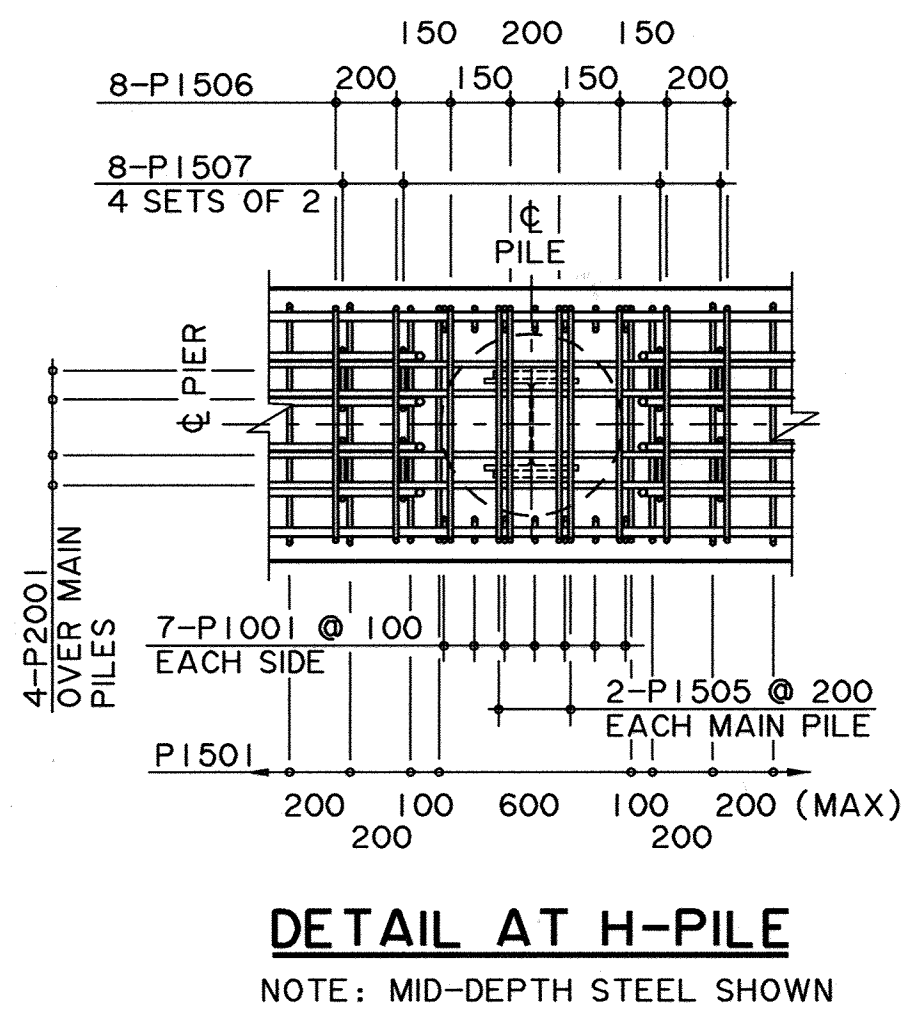


DETAIL AT PIER END

NOTE:
H-PILE ALTERNATE SHOWN
SUBSTITUTE BARS FROM
TABLE FOR PIPE PILE
ALTERNATE PIER CAP

H-PILE
P1501
P1508
P1509
P1510

PIPE PILE
P1515
P1517
P1518
P1519



BAR TYPES

(ALL BAR DIMENSIONS ARE OUT-TO-OUT) NTS

WORK DRAWINGS S-1765-08, S-1766-08, S-1767-08, S-1768-08, S-1769-08 AND S-1770-08 TOGETHER WITH SITE SPECIFIC GENERAL LAYOUT

	PERMIT TO PRACTICE CH2M HILL Canada Limited PERMIT NUMBER: P 2558 The Association of Professional Engineers, Geologists and Geophysicists of Alberta	DESIGNER DATE Dec. 05, 2008	CHECKER DATE Dec. 5, 2008	RECOMMENDED DIRECTOR BRIDGE ENGINEERING APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH DATE Dec. 11/08	Albarta TRANSPORTATION	
					SL PRECAST GIRDER BRIDGES WITH PRECAST CONCRETE SUBSTRUCTURES - SHT 6	
DEPARTMENT BAR CODE		DATE 2008-12-05	SHEET 6 OF 6	DRAWING S-1770-08		