

		8940 (8)				10160 (9)				11370 (10)				12590 (11)				13810 (12)				15020 (13)					
CLEAR ROADWAY(GIRDERS PER SPAN)		0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°		
GENERAL	OVERALL WIDTH	A	9718	10060	11221	13743	10934	11320	12625	15463	12150	12578	14030	17183	13366	13838	15434	18902	14582	15096	16838	20622	15798	16355	18242	22342	
	CROWN	B	97	97	97	97	109	109	109	109	122	122	122	122	134	134	134	134	146	146	146	146	158	158	158	158	
	DIFFERENTIAL FOR ROADWAY GRADE OF	1%	C	0	26	56	97	0	29	63	109	0	33	70	122	0	36	77	134	0	39	84	146	0	42	91	158
		2%	C	0	52	112	194	0	59	126	219	0	65	140	243	0	72	154	267	0	78	168	292	0	85	182	316
	3%	C	0	78	168	292	0	88	189	328	0	98	210	365	0	107	232	401	0	117	253	437	0	127	272	474	
PILES	ABUT WING PROJECTION	D	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697	1200	1242	1386	1697	
	ABUT WING PILE LOCATION	E	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070	1464	1516	1690	2070	
	MAIN PILE NUMBER		6	6	6	6	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9	
	NUMBER OF PILES EACH ABUTMENT		8	8	8	8	9	9	9	9	9	9	9	9	10	10	10	10	11	11	11	11	11	11	11	11	
	NUMBER OF PILES EACH PIER		6	6	6	6	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9		
DOWELS Z2501H	PILE SPACING	F	1524	1577	1759	2155	1472	1524	1700	2082	1675	1734	1934	2369	1609	1666	1858	2276	1560	1615	1802	2207	1712	1773	1977	2421	
	PILE END DISTANCE	G	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485	1050	1087	1212	1485	
	NUMBER PER LINE		16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	
	SPACING	H	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719	1216	1259	1404	1719	
	END DISTANCES	J	793	821	916	1121	793	821	916	1121	793	821	916	1121	793	821	916	1121	793	821	916	1121	793	821	916	1121	
		K	413	428	477	584	413	428	477	584	413	428	477	584	413	428	477	584	413	428	477	584	413	428	477	584	
REINFORCING ONE ABUTMENT	NUMBER OF STIRRUPS	A1501	71	80	87	109	78	82	90	114	84	94	102	126	92	96	105	131	100	104	114	142	100	112	122	150	
	NUMBER OF U-BARS	A1502	14	16	18	20	18	18	20	24	20	22	24	28	24	24	28	32	28	28	30	36					

6 - P1502 & P1503
@ EACH H-PILE
ALTERNATE HOLES
IN ADJACENT TUBES

75
CLR

175 P1501 @ 200

15°

175 200 P1501 @ 200

45°

175 200 200 200 P1501 @ 200

P1503
P1504
P1505

75
CLR

30°

162 200 200 P1501 @ 200

DETAIL AT PIER END

S-1762-08

NTS

NOTE: BOTTOM STEEL SHOWN

NOTE: BOTTOM STEEL SHOWN

PERMIT TO PRACTICE
CH2M HILL Canada Limited
PERMIT NUMBER: P 2558
 The Association of Professional Engineers,
 Geologists and Geophysicists of Alberta

DESIGNER



PROFESSIONAL ENGINEER ALBERTA
DAVID GUOQIANG WEI

DATE Dec. 05, 2008

CHECKER

ALBERTA ENGINEER
MARY J. KRIVIA
ALBERTA

DATE Dec 5, 2008

			
			
			
			
			
			
REV	DATE	REVISIONS	BY

RECOMMENDED
DIRECTOR BRIDGE ENGINEERING

Tom Lee

APPROVED
EXECUTIVE DIRECTOR
TECHNICAL STANDARDS BRANCH

André Lali

DATE *DEC. 11/08*

(ALL BAR DIMENSIONS ARE OUT-TO-OUT)

NTS

SL PRECAST GIRDER BRIDGES WITH CAST-IN-PLACE CONCRETE SUBSTRUCTURES - SHT 3

DEPARTMENT BAR CODE	DATE	SHEET	DRAWING
	2008-12-05	3 OF 3	S-1764-08

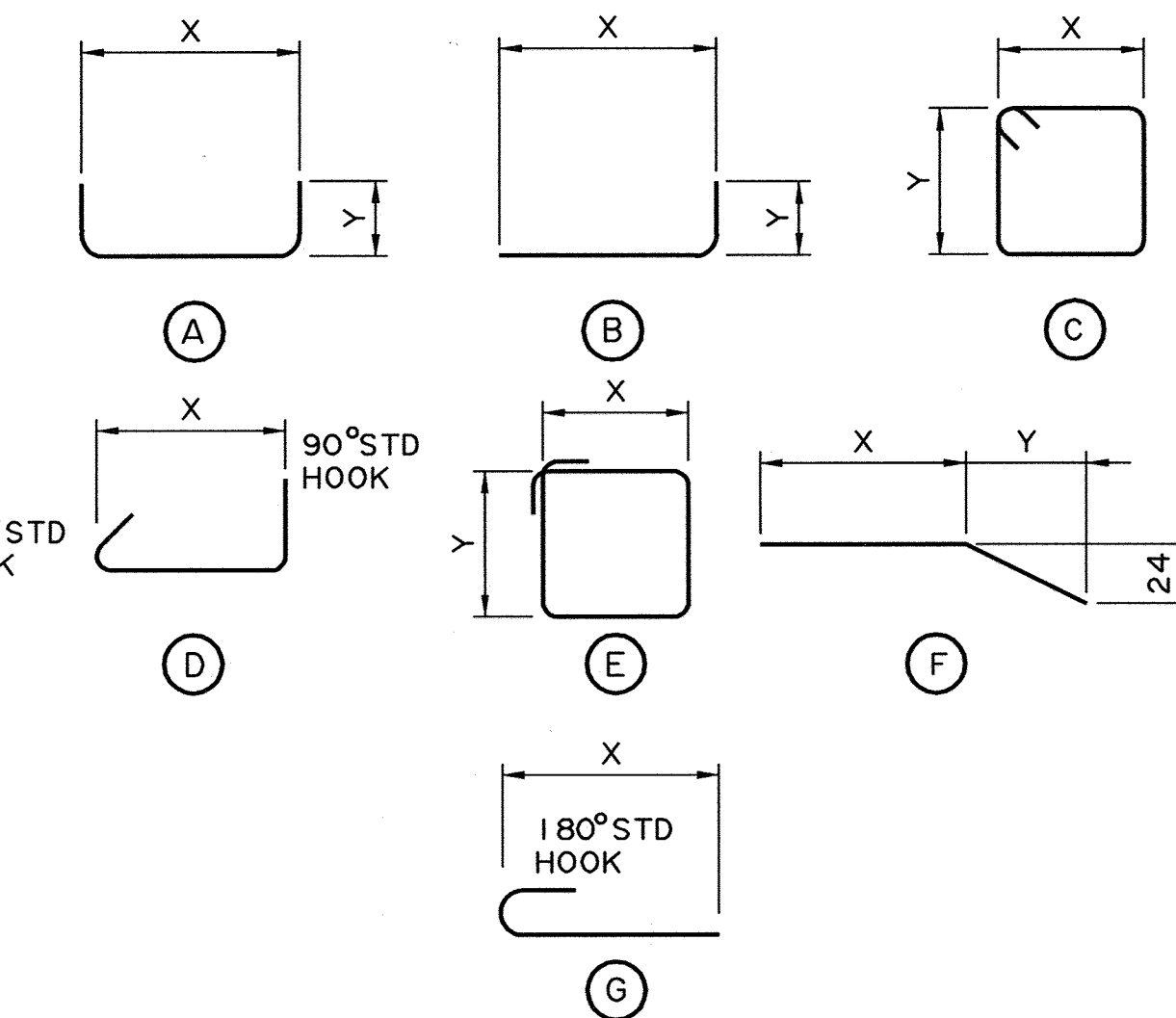
MARK	SIZE	TYPE	X	Y	LENGTH
A1501	15	C	450	480	2140
A1502	15	A	450	450	1350
A1503	15	F	P	600	P + 600
A1504	15	F	P	1200	P + 1200
A1505	15	E	225	480	1690
A2501	25	STR			M
A2502	25	STR			N
W1501	15	STR			12000
W1502	15	A	450	450	1350
Z2501H	25	STR			750
E2501	25	G	1000	200	1300
P1001	10	D	450		650
P1501	15	C	450	480	2140
P1502	15	E	225	480	1690
P1503	15	C	465	480	2170
P1504	15	C	520	480	2280
P1505	15	C	625	480	2490
P1507	15	STR			530
P1508	15	A	450	450	1350
P1509	15	F	P	600	P + 600
P1510	15	F	P	1200	P + 1200
P2501	25	A	Q	400	Q + 800
P2502	25	B	Q	400	Q + 400
P2503	25	B	Q	400	Q + 400
P2504	25	STR			R
P2505	25	STR			R
P2506	25	STR			R

NOTES:

⊗ OMIT FOR PIERS WITH PIPE PILES

OMIT FOR PIERS WITH H-PILES

- SUFFIX LETTER 'H' ON BAR MARK DENOTES HIGH STRENGTH SMOOTH BARS FABRICATED FROM ROUND BAR STOCK CONFORMING TO ASTM A-193-B7, HOT DIPPED GALVANIZED AFTER FABRICATION
- REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CAN/CSA G30.18 (LATEST EDITION) GRADE 400 UNLESS NOTED OTHERWISE



(ALL BAR DIMENSIONS ARE OUT-TO-OUT)