



CLEAR ROADWAY m	SKEW °	CAP LENGTH mm	6000 & 6100 SPANS		8000 & 8540 SPANS	
			NO. OF SPACING PILES	NO. OF SPACING PILES	NO. OF SPACING PILES	NO. OF SPACING PILES
5	0°	6200	5	1250	5	1250
	15°	6400	5	1294	5	1294
	30°	7200	5	1443	5	1443
6	0°	7200	6	1200	6	1200
	15°	7500	6	1242	6	1242
	30°	8300	6	1386	6	1386
7	0°	8200	6	1400	7	1175
	15°	8500	6	1450	7	1216
	30°	9500	6	1617	7	1357
8	0°	9200	7	1325	8	1150
	15°	9500	7	1372	8	1191
	30°	10600	7	1530	8	1328
	45°	11600	7	1697	8	1462
	45°	13000	7	1874	8	1626

SPAN CLEAR RDWY (m)	6000 & 6100		8000		8540	
	NO.	SPACING	NO.	SPACING	NO.	SPACING
5	12	485	8	760	9	665
6	15	450	10	700	11	630
7	17	460	12	665	13	610
8	19	460	13	695	14	640

**GENERAL NOTES:**

- DIMENSIONS ARE GIVEN IN MM EXCEPT OTHERWISE NOTED.
- DESIGN:
  - LOADING - BRIDGE BRANCH MS-23
  - SPECIFICATION - C.S.A. S6-1974
  - NO ICE FORCES ASSUMED IN PIER DESIGN.
- CONSTRUCTION:
  - PILE SPLICES TO BE DRIVEN TO A MIN. OF 1500 mm BELOW GROUND LEVEL.
  - PILES TO BE DRIVEN TO A MIN. OF 180 KN BEARING CAPACITY.

**FIELD TREATMENT OF TIMBER:**

- PILE TOPS UNDER CAPS SHALL BE COATED WITH 3 APPLICATIONS OF CREOSOTE OIL AND THOROUGHLY COVERED WITH ROOFING PITCH.
- EXPOSED PILE TOPS SHALL BE COVERED WITH 1 mm GALVANIZED SHEET STEEL OF A SIZE 100 mm GREATER IN DIAMETER THAN THE PILE. NEATLY TRIM STEEL, BEND DOWN AND FASTEN TO PILE WITH GALVANIZED ROOFING NAILS.
- TREATED TIMBER SHALL BE CAREFULLY HANDLED, SO AS TO AVOID BREAKING OF OUTER FIBERS AND BRUISING OR PENETRATING THE SURFACE. TOOLS TO BE USED ONLY ON ENDS OF TIMBER.
- ALL CUTS AND ABRASIONS IN TREATED TIMBER SHALL, AFTER CAREFUL TRIMMING BE COATED WITH 2 APPLICATIONS OF CREOSOTE AND THEN BE THOROUGHLY COVERED WITH HOT ROOFING PITCH.
- TREATED PILES MUST NOT BE DAPPED FOR SWAY BRACING IN THE FIELD.
- BOLT HOLES BORED AFTER TREATMENT SHALL BE CAREFULLY TREATED WITH CREOSOTE. ANY UNFILLED HOLES SHALL BE SEALED WITH CREOSOTE PLUGS.

WORK THIS DRAWING WITH:  
 S-1471 & S-1472 - DEEP-BEAM GUARDRAIL AT BRIDGE APPROACHES.  
 S-1405 - MULTILAYER DEEP-BEAM GUARDRAIL & BRIDGE RAIL.

APPROVED		Alberta TRANSPORTATION BRIDGE BRANCH		METRIC	
DESIGNED		DRAWN BY		DATE	
77 03 26		R. QUINN KOHLMANN		77 03 26	
CHECKED BY		DATE		STREAM	
R. QUINN		77 03 26		LOCATION	
NO.		DESCRIPTION		DATE	
780326		POST DETAIL		7 JULY 7/78	
REVISIONS		NO.		DESCRIPTION	
1		1		AS SHOWN	
FILE NO.		SHEET		DWG. NO.	
S-1419		1 of 1		S-1419	