GOVERNMENT OF PAKISTAN PORT CASIM AUTHORITY

THIER AND CONTRACT DOCUMENTS

FOR CONSTRUCTION OF IRON-ORE AND COAL BERTH AND RELATED FACILITIES

VOL IV : DRAWINGS PART 2 SMALL CRAFTS PIER AND LAND RECLAMATION

DECEMBER 1975

JAPAN INTERNATIONAL COOPERATION AGENCY

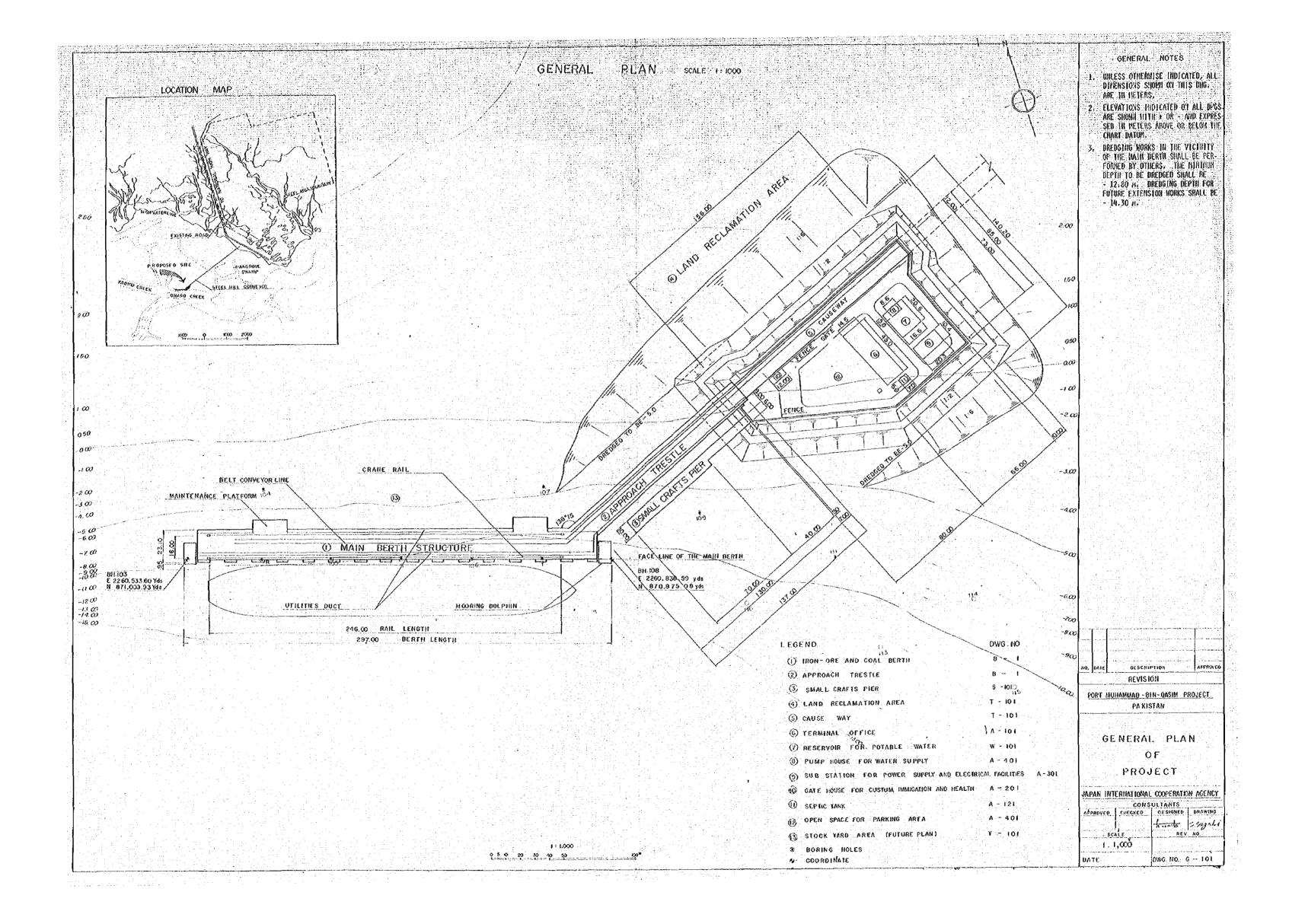


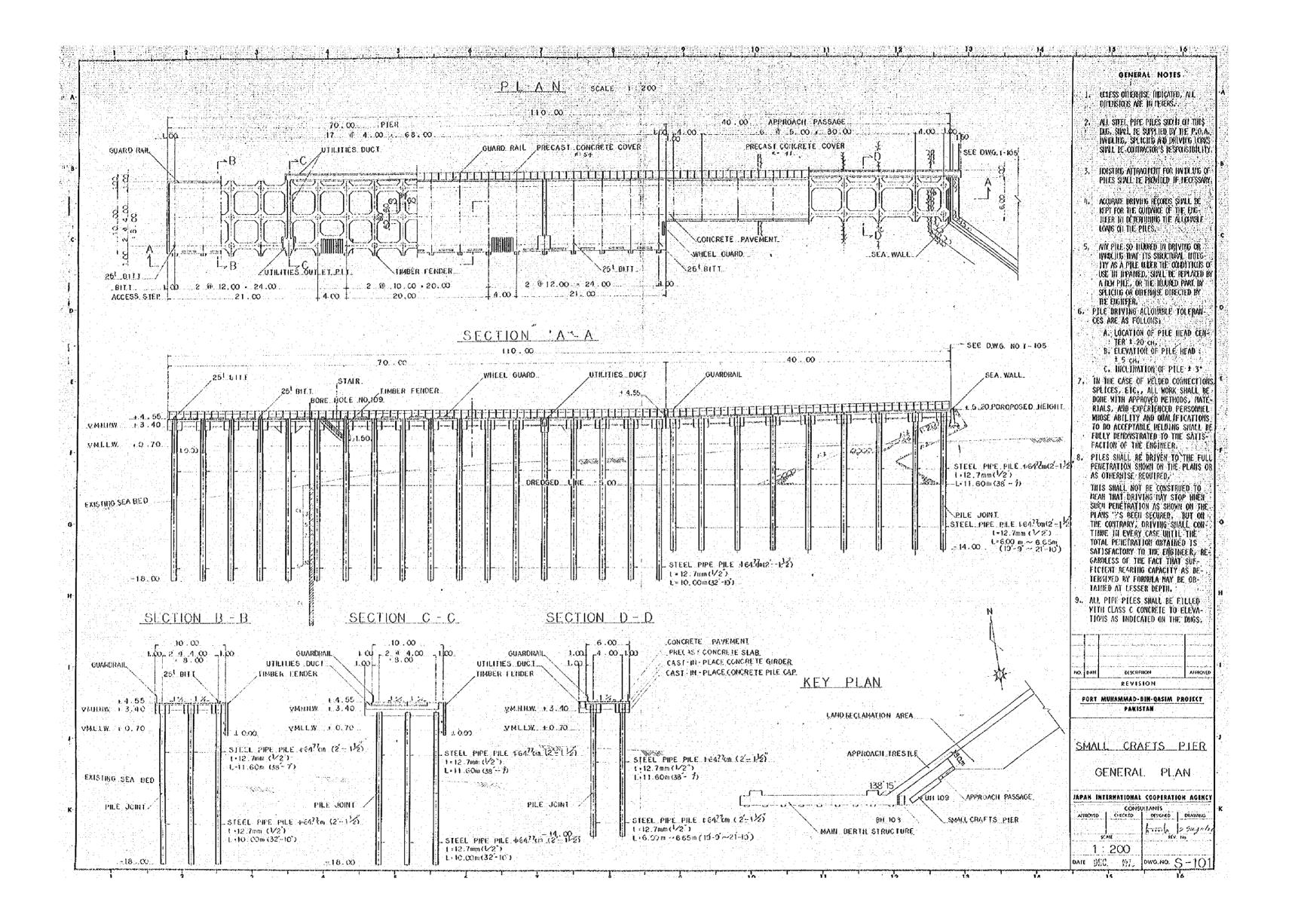


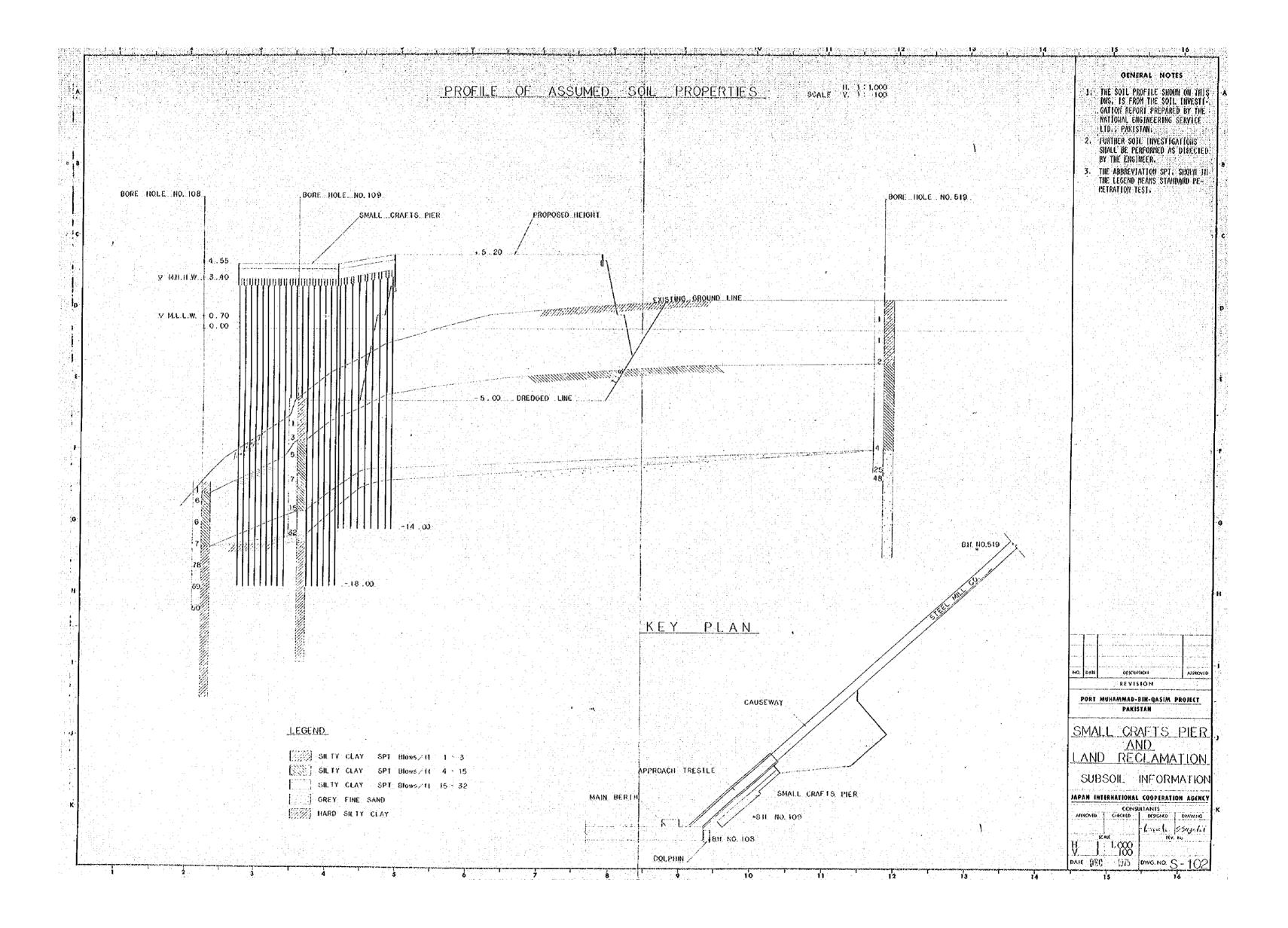
DRAWING LIST

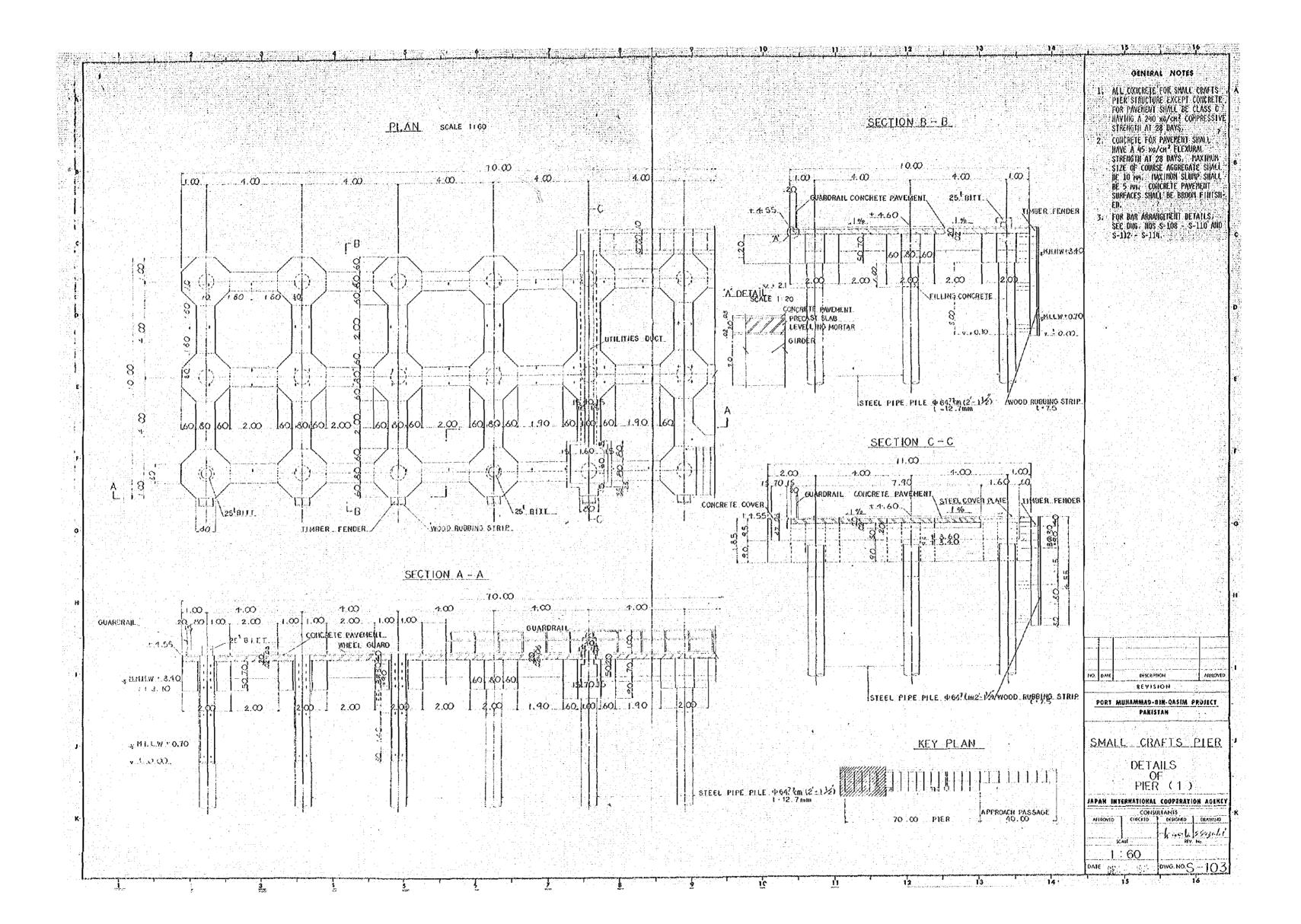
GENERAL G--101 GENERAL PLAN SMALL CRAFTS PIER GENERAL PLAN S--101 S - 102SUBSOIL INFORMATION DETAILS OF PIER (1) S-103 S--104 DETAILS OF PIER (2) S-105 DETAILS OF APPROACH PASSAGE S-106 DETAILS OF PRECAST SLAB BAR ARRANGEMENT OF PILE CAP AND STAIR S-107 BAR ARRANGEMENT OF PIER BEAMS (1) \$-108 BAR ARRANGEMENT OF PIER BEAMS (2) S - 109BAR ARRANGEMENT OF UTILITY DUCT AND BITT S-110 S-111 BAR ARRANGEMENT OF APPROACH PASSAGE BEAMS BAR ARRANGEMENT OF PRECAST SLAB (1) S--112 S--113 BAR ARRANGEMENT OF PRECAST SLAB (2) S-114 BAR ARRANGEMENT OF PRECAST SLAB (3) S-115 DETAILS OF GUARDRAIL, PILE JACKET AND WELDING LIST OF MATERIAL (1) S-116 S - 117LIST OF MATERIAL (2) LAND RECLAMATION PLAN AND SECTION OF TERMINAL AREA T-101 T-102 LAYOUT OF TERMINAL AREA PLAN OF PIPING AND CABLES T - 103T-104 PLAN OF LAND RECLAMATION T-105 CROSS SECTION OF LAND RECLAMATION T-106 SURFACE ELEVATIONS OF LAND RECLAMATION T--107 DETAILS OF SEA WALL ASPHALT PAVEMENT DETAIL AND DRAINAGE SYSTEM (1) T-108 T--109 DRAINAGE SYSTEM (2) DRAINAGE SYSTEM (3) T-110 T-111 DRAINAGE SYSTEM (4) T - 112PAVEMENT AND DRAINAGE OF GASOLINE STATION T-113 LOCATION OF FENCE AND GATE DETAILS OF FENCE AND GATE T-114

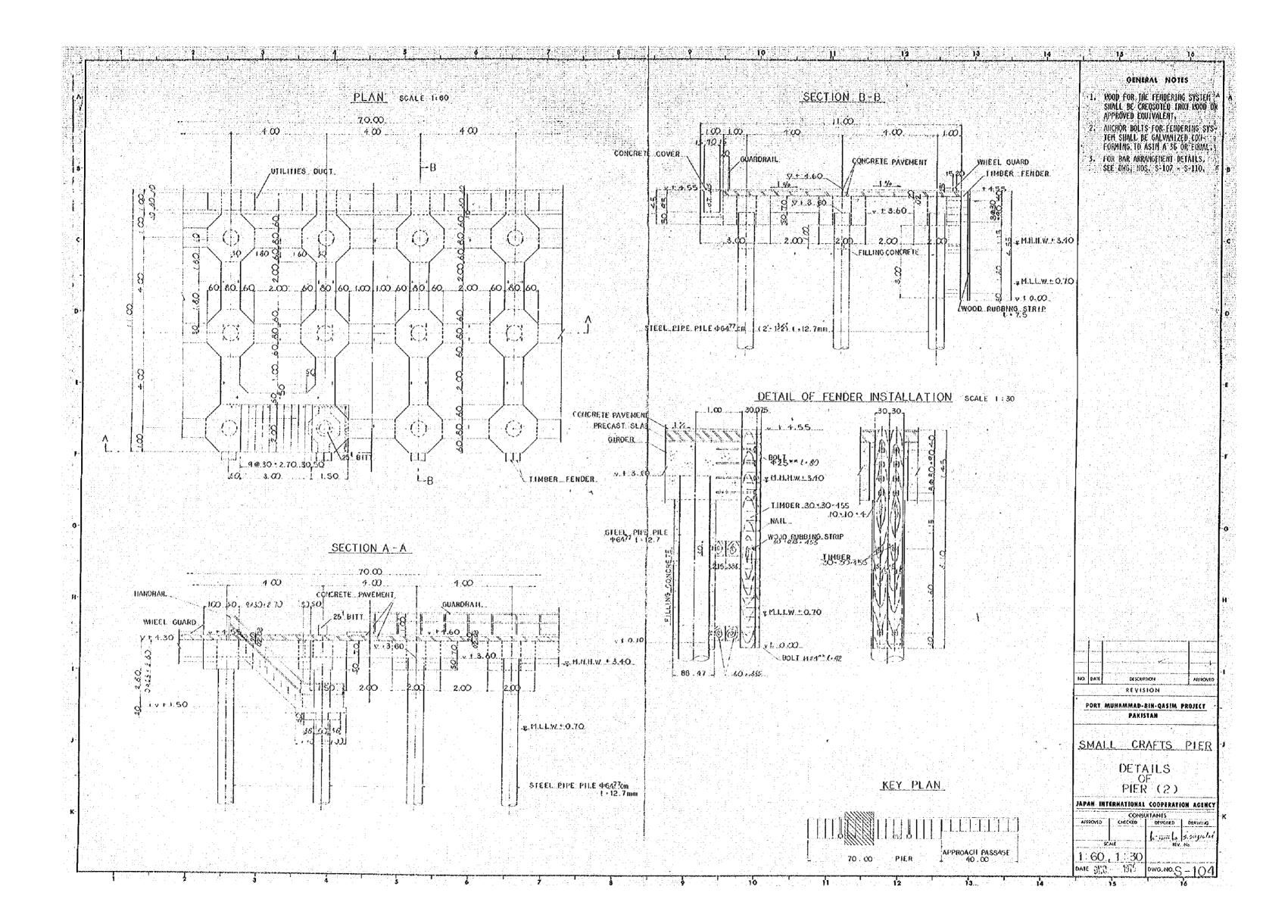


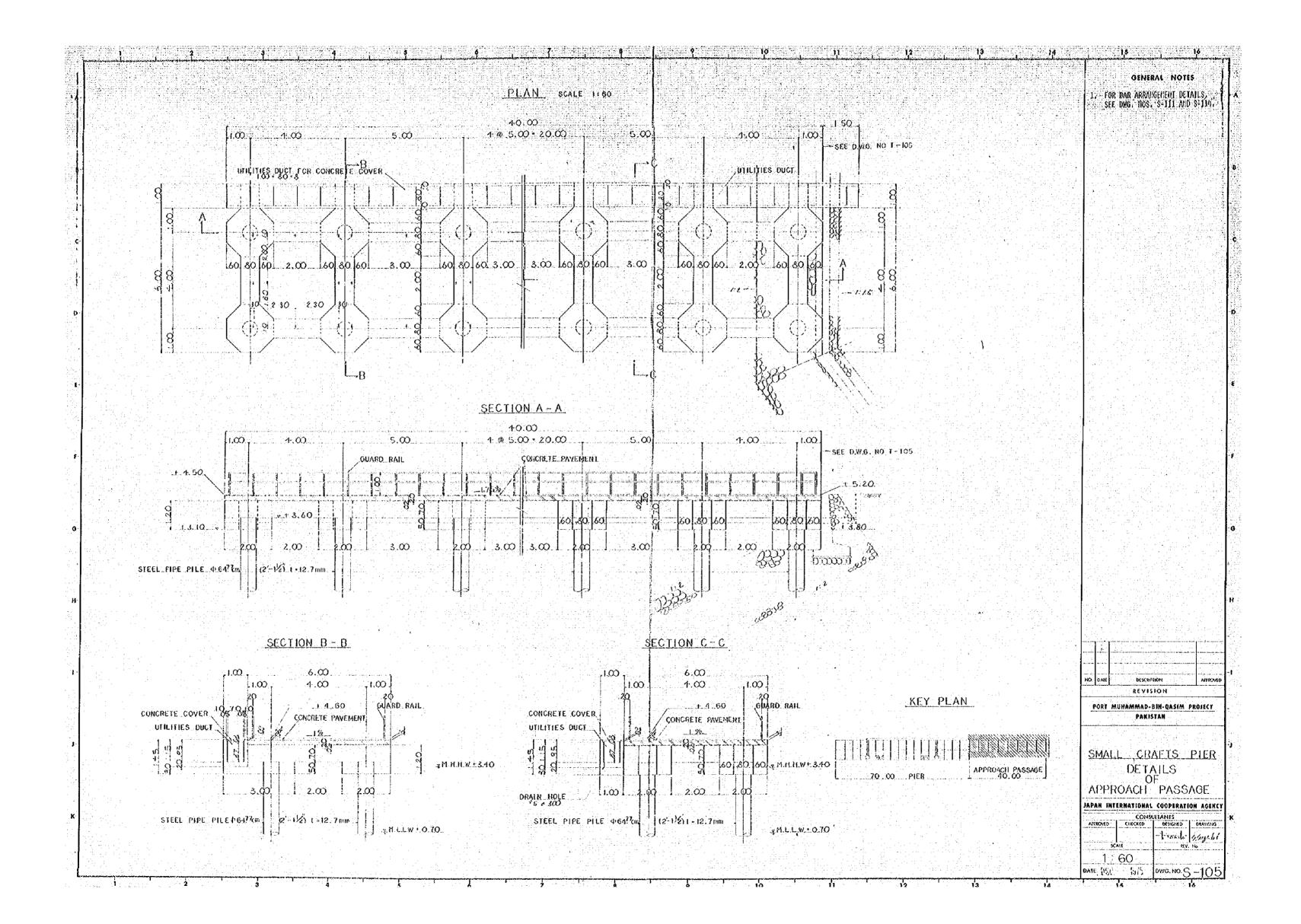


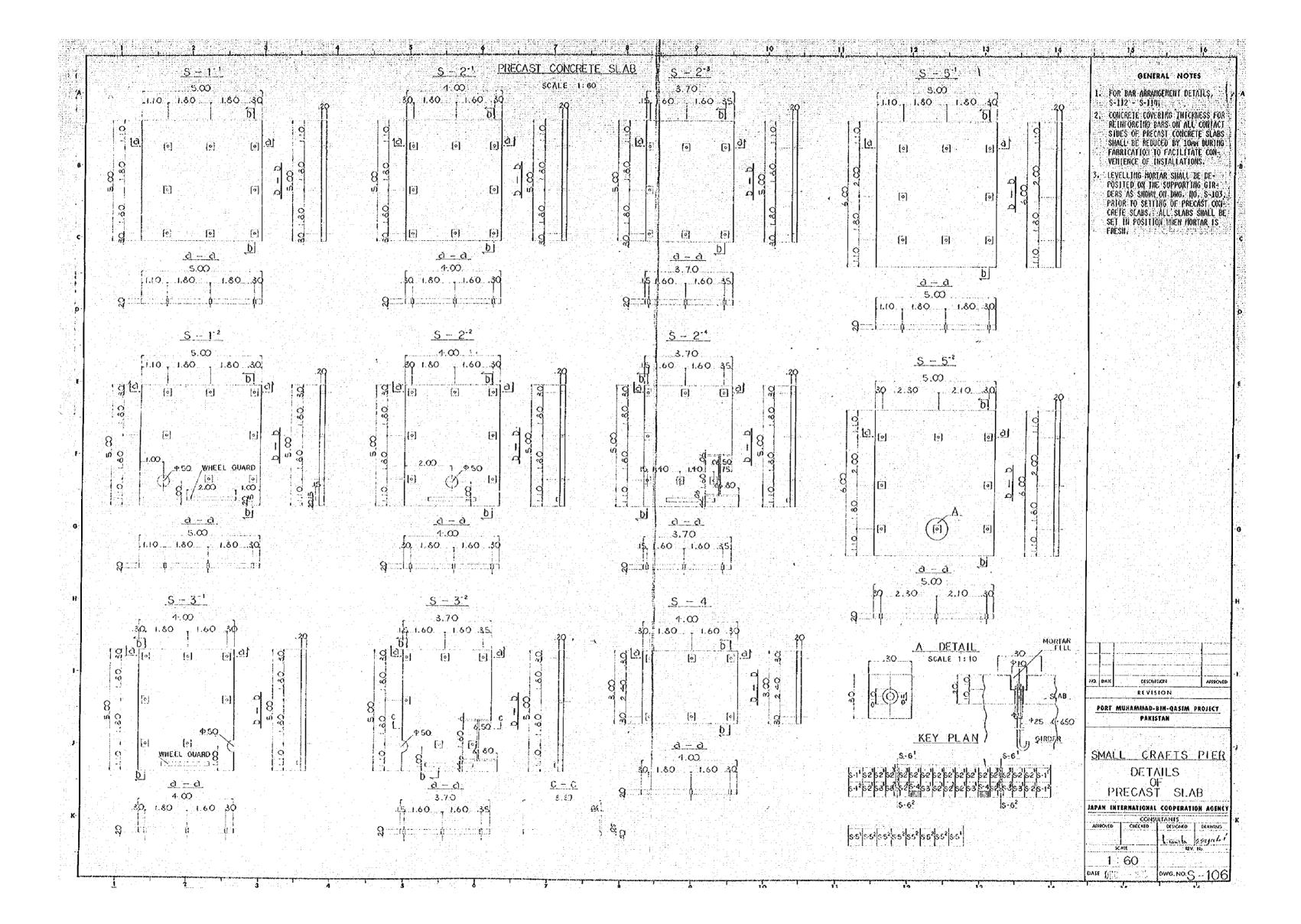


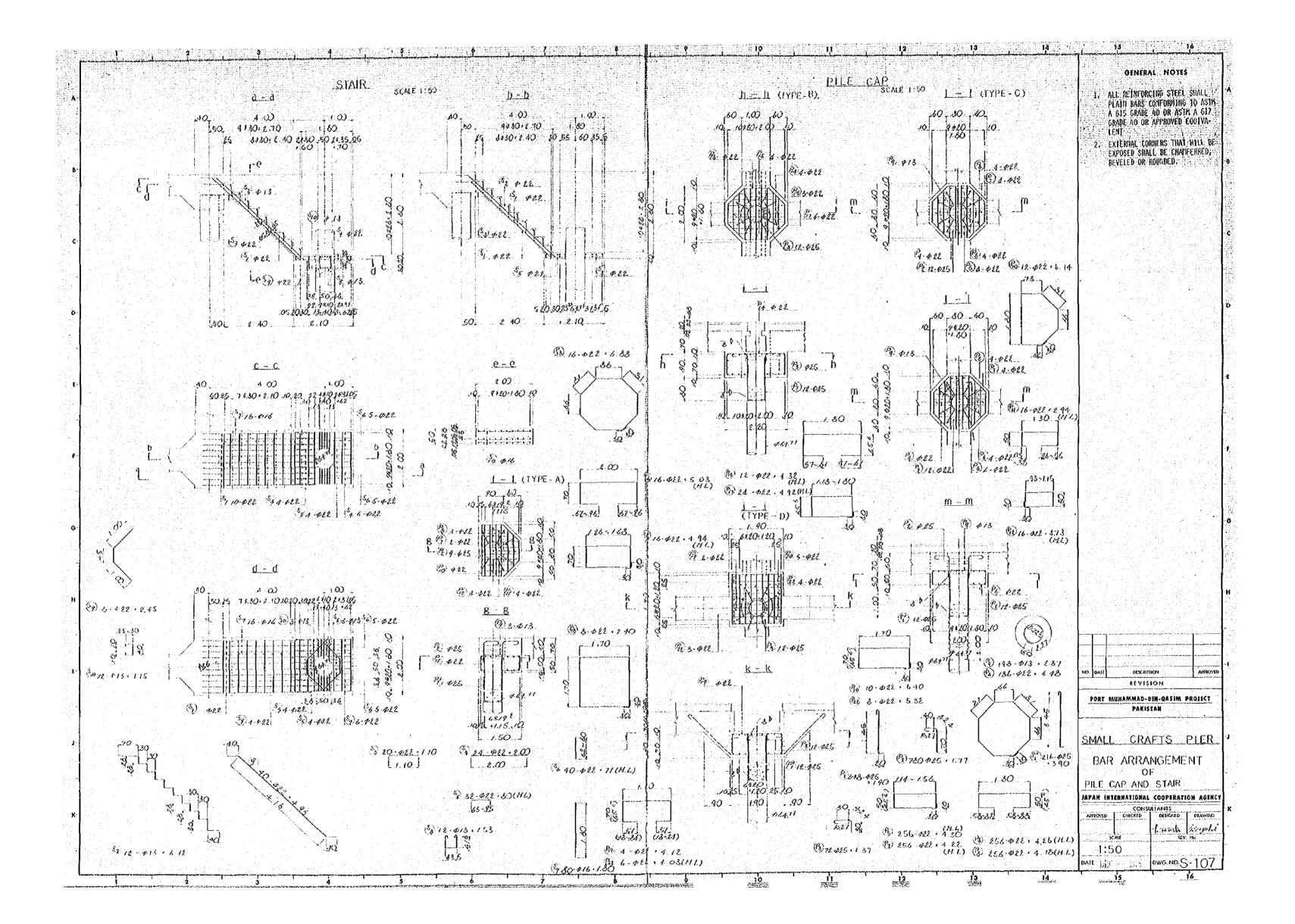


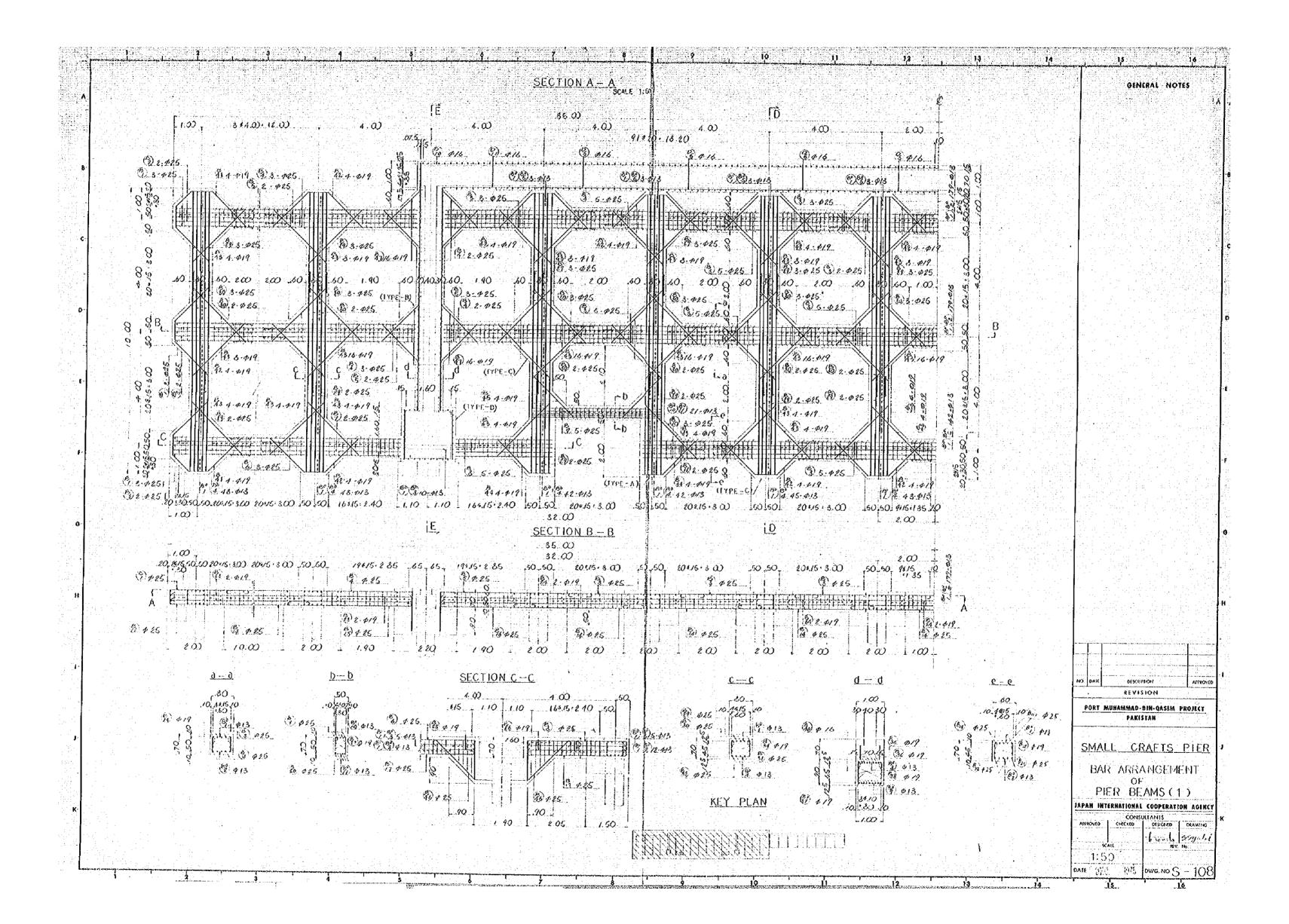


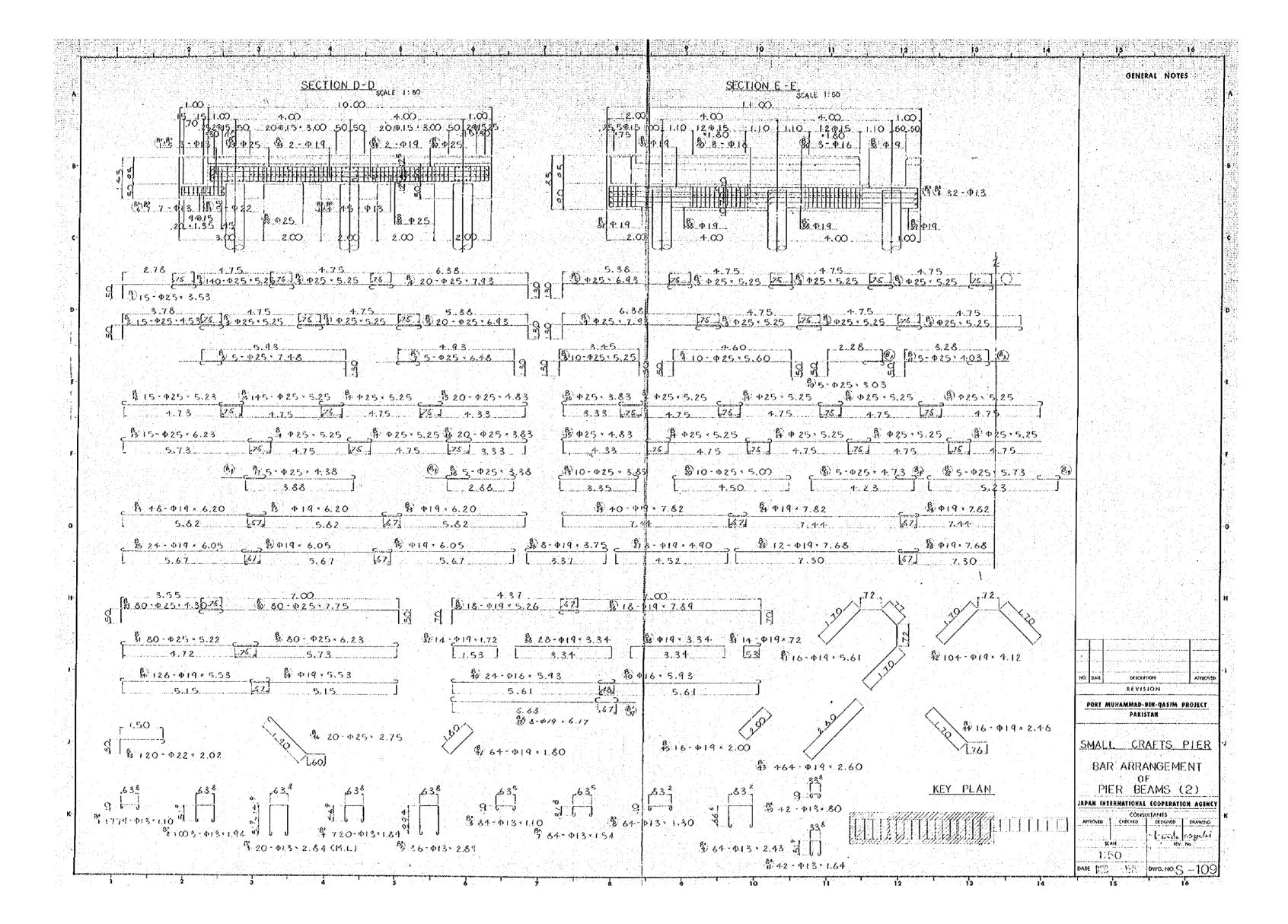


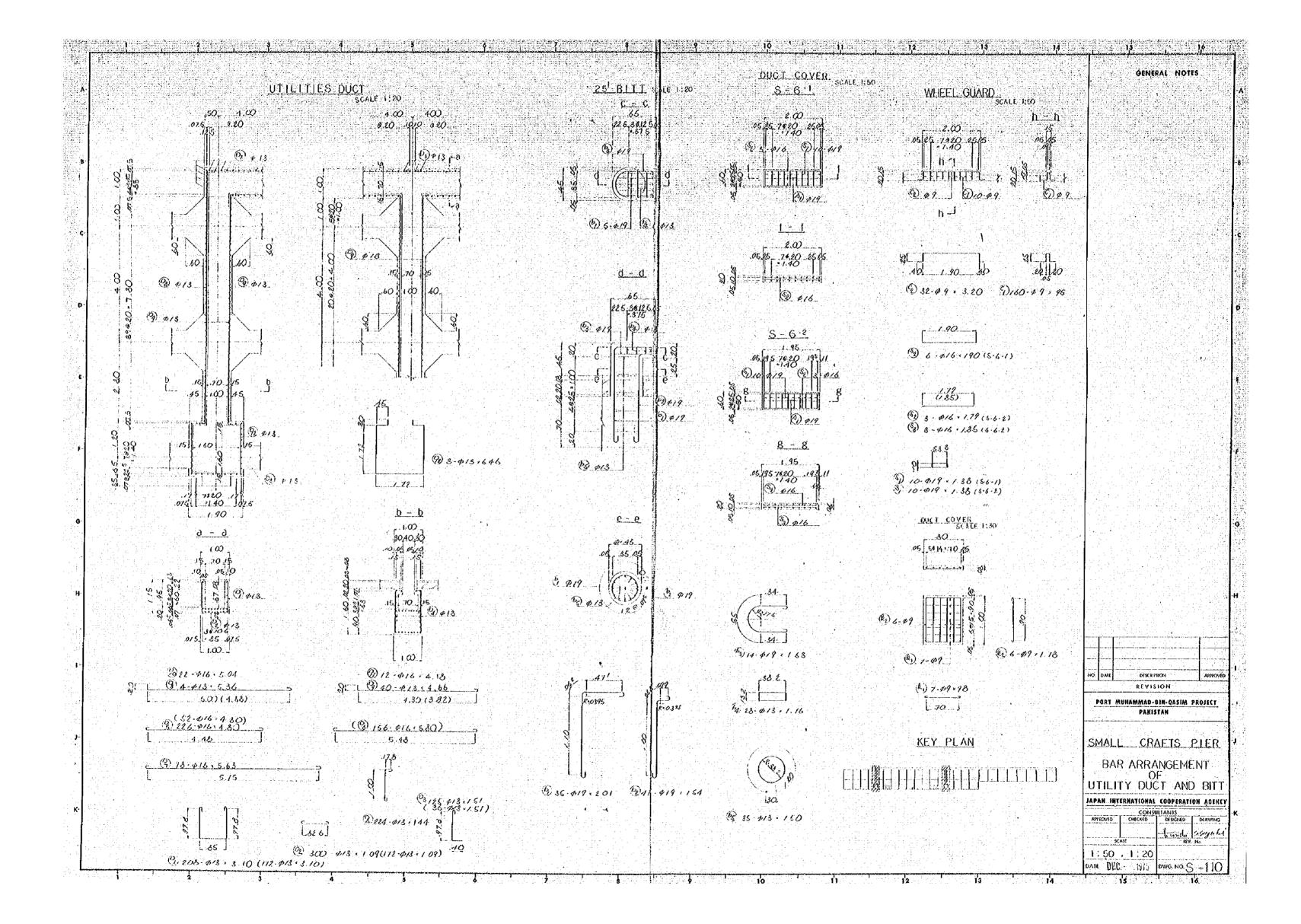


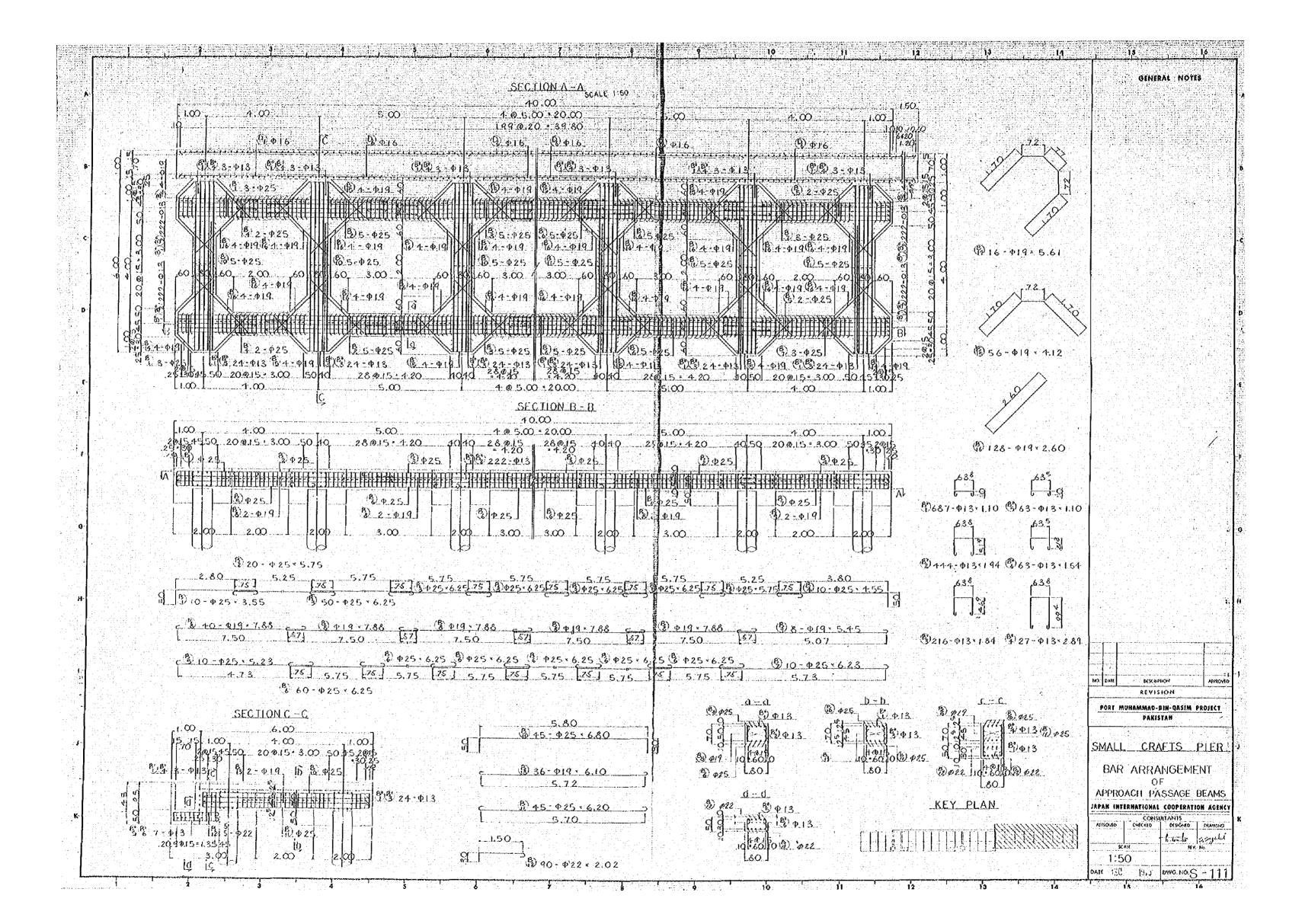


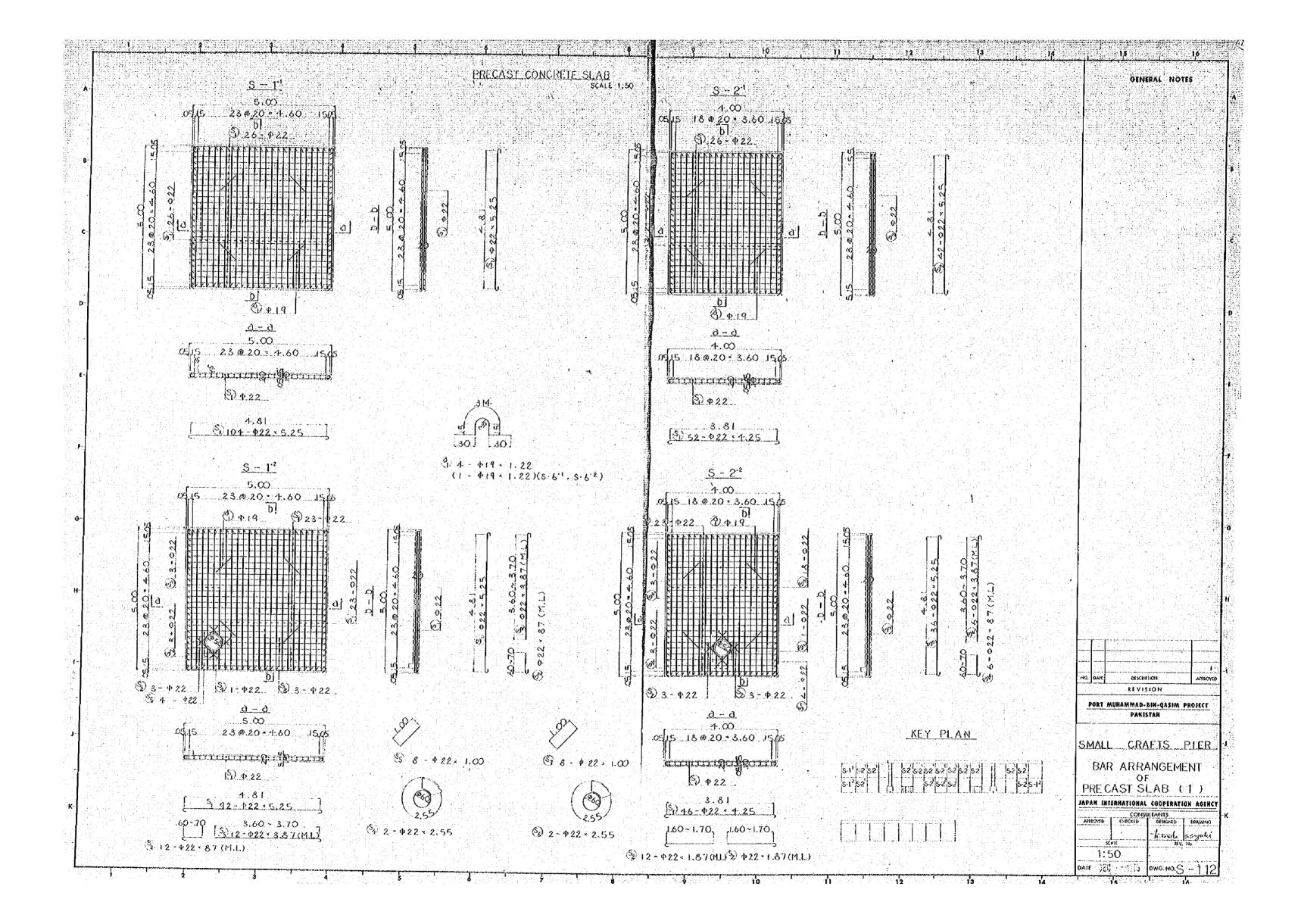


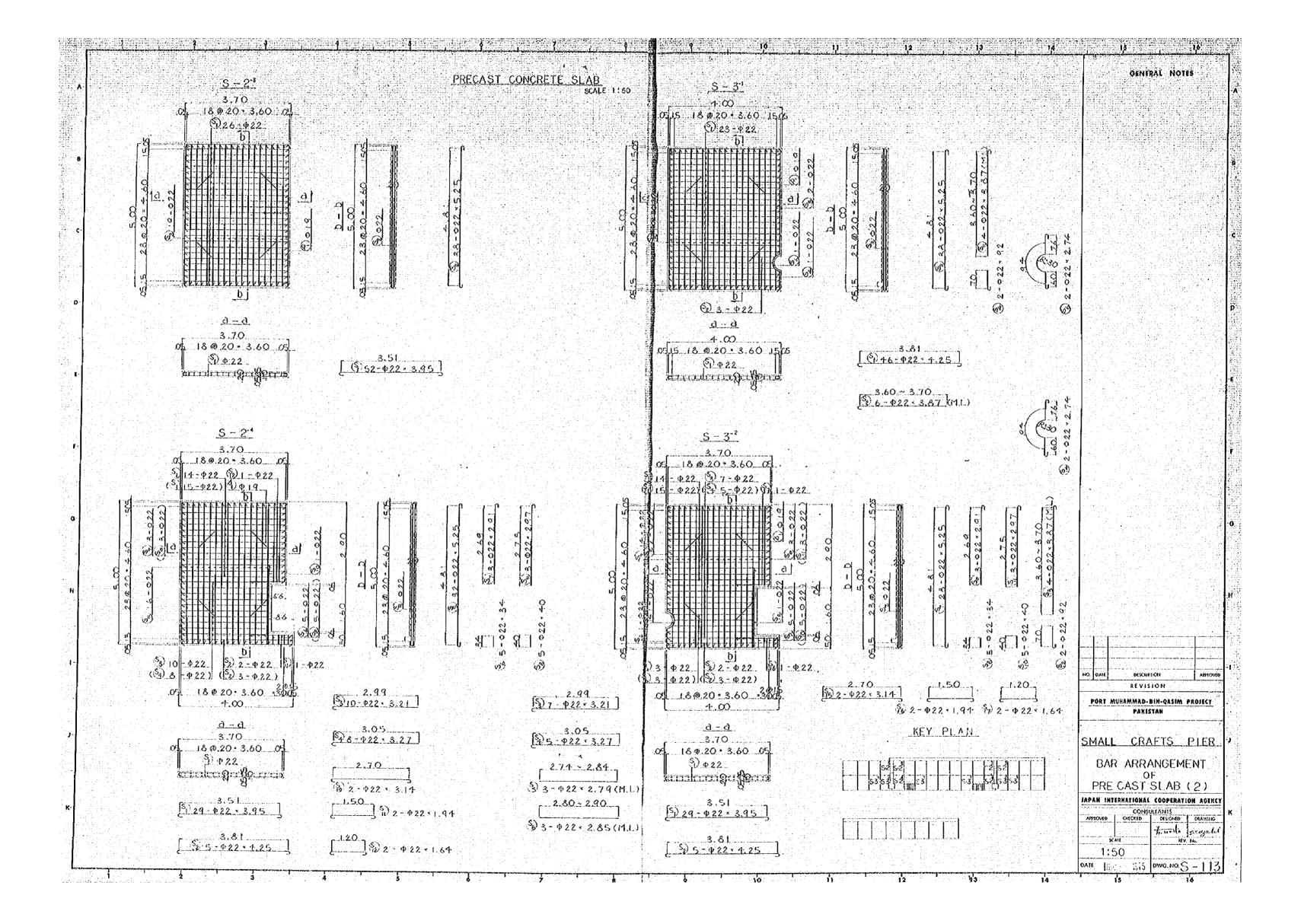


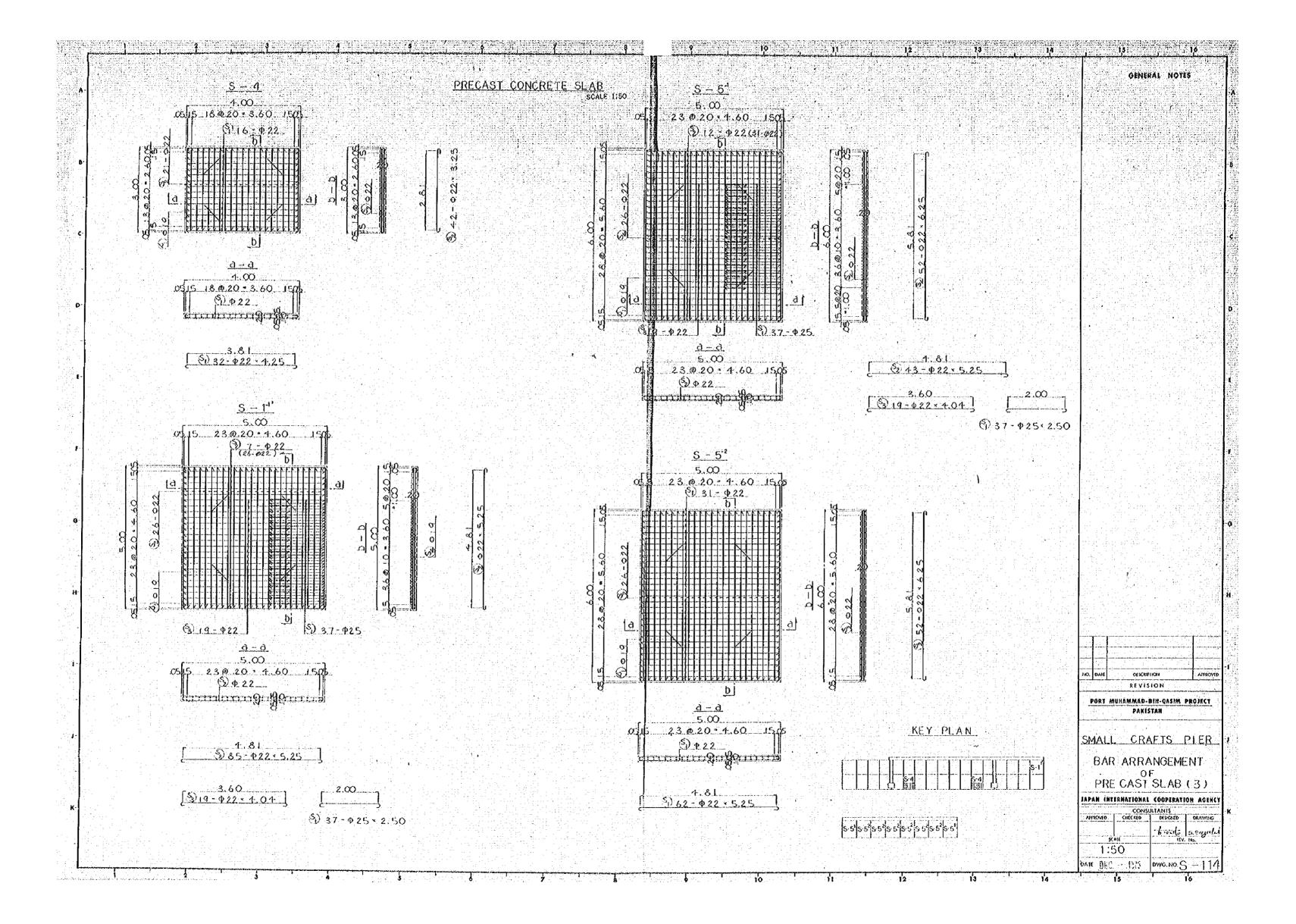


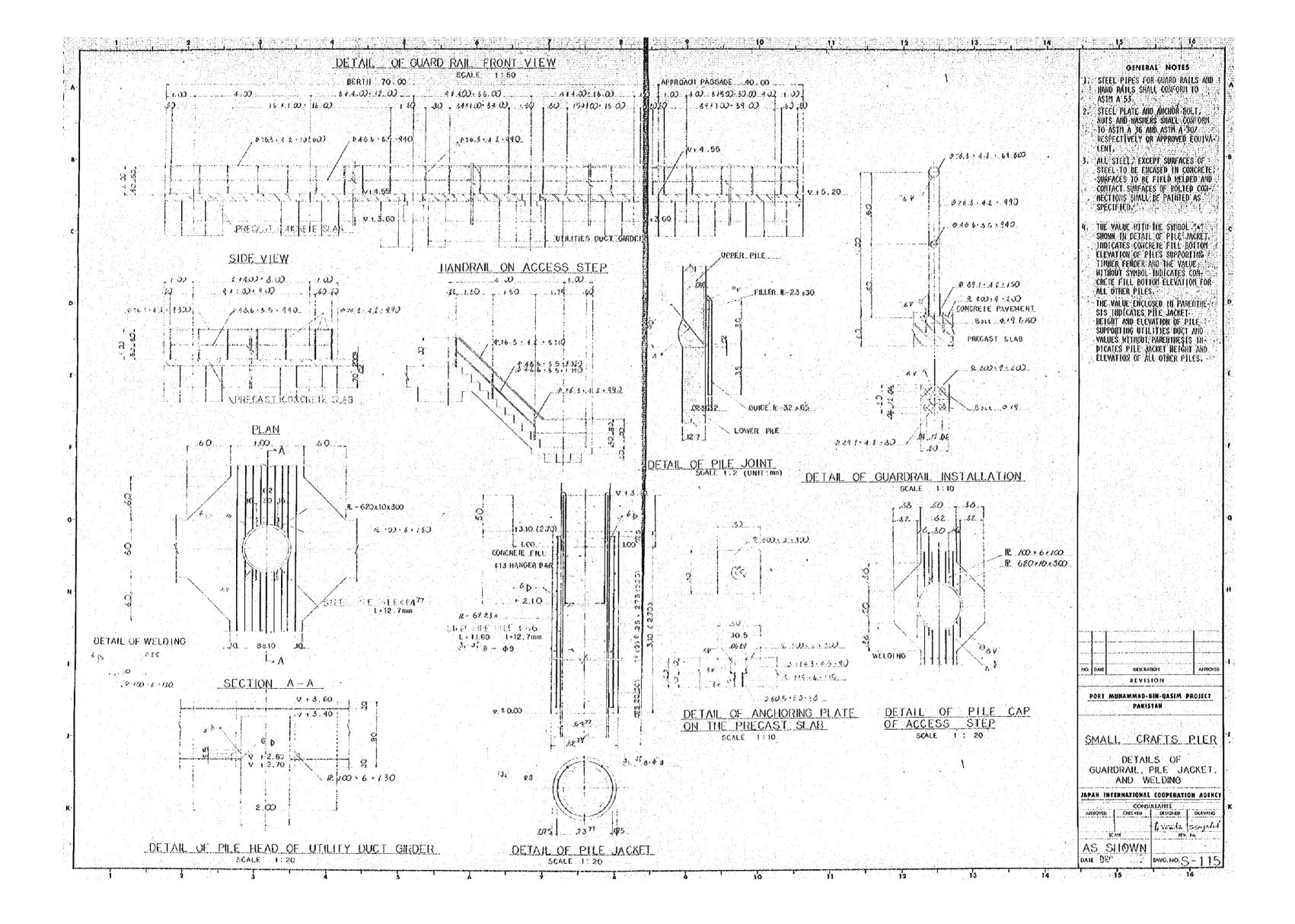












				GENERAL NOTES
V		LIST OF MATERIALS		
	MARK CIACATEROTAT EVOLIMENTALISHMAN WEIGHT (SE	MARKIDIA COMITETION OF FACTOR SHOWN MEDITAL WEIGHT	MASK CIACON RESTOR FRACTIVE STATE THAT WEIGHTER	
	GRICAST CONCRETE SLAB	\$-2·3	Φ22 I180.3. ¹²	
,		5 1 022 395 52 298 11.77 612; 2 525 38 15 65 594;	P.19 13.8 10TAL 1194. 5.2: 2389.0*8	
	S 1 1 22 5.25 104 2.98 15.65 16276	2 525 38 15 65 5943	6.4	
	٥ 1 419 122 4 225 3.45 13.8	3 1 919 122 4 223 3.15 134		
	P. 82 1.627.6 '8	122 1206.7	S 1 422 4 25 32 298 12 67 405.4 2 3 25 42 9 9 107.0	
	# 19 13.8 TOTAL 1611.4 'E	9 19 13.8 IOTAL 1220.5×4·4862.0	Δ 1 \$13 124 1 223 345 138	
	S-(-)	S-2-4	P22 8124 18	
	5 1 105 0 50 0 27 0 05 0 12 0 25 0		0.19 13.8 TOTAL 826.2 2 1.6.52.4 18	한 그리 가는 일이 끊겼다.
	5 1 425 2.50 37 3.85 7.63 356.3 2 422 5.25 85 2.98 15.65 1.350.3 3 4.04 19 12.04 228.8	S \$22 3.95 2.98 11.77 341 2 12.67 63.4		
		3 3 21 10 9 57 95 3 27 8 9 74 77	S-5 ² 1	
	8 1 419 128 4 2.33 3.15 13.8	5 525 32 15.65 500 1	S \$22 250 37 298 745 275.7 2 525 43 1545 473.0	
	Φ 25 3 56 3 ¹⁸ Φ 22 1554 1	1 29 3 867 261	2 525 43 1565 6730 3 404 19 1204 2288 4 625 52 1863 9688	
	7.13 13.6 TOTAL 13.6	1 297 3 835 264	<u>and a finish garage and a self-section and a section of the secti</u>	
	1,927.6	194 2 3578 11.	4-11-9.19-1-1-22-1-4-1-2-23-1-3-35-1-13-8	
		12 164 2 487 9.	122 2 146.3 to	
	5 1 722 5 25 72 2 98 15 65 1437.8	8 1 4 9 122 4 223 3 15 13.5	Φ 19 13.8 10'AL 2160 1 × 2 · 4.320.2*9	물이 된 시민 시민 때문 보험다.
	3 87 12 11 53 1384	P.22 11.82.7 ^{₹8}		
	5 298 23.8	\$ 1.9 13.6 TOTAL 1196.5 2:2393.0	S 1 622 525 62 298 3565 9703 2 625 52 1863 9688	
	13.7(0) 1.22.1 4 1 2 23 3.451 13.8	S-3-T	그리는 기업에 보고 있다고 있는데, 그런데 하루 사이 전혀 모르지다는 것 않는데 그리는 그를 받는데 말했다면 가득하게 하는데, 없는	
	ψ 22 1648 3 ¹³ φ 19 13 8	S 1 222 425 46 298 1267 582	S 1 9 9 1 22 4 2 23 3.45 13.8	
	101AL 1.662.1.2 = \$324.2**	2 3 57 6 11 53 49.1 3 5 25 38 15 65 514 1	422 131 1	
	S-2510 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 92 2 . 274 5	10TA 1952.3 L < 11717.4 1	보는 눈에 살맞하고 보다 보다고 봐.
	S 1 4 22 4 25 52 2 98 12 67 658 8 2 5 2 5 42 15 65 657 3	5 337 4 1153 46	S-6-1	모르고에게 설명하고 하고 하고
	 Londonia in Control Region and Control Region (1997) 	5 1 419 122 4 2.23 3.45 13.4	5 1 119 138 10 223 3.08 30.8	
	5 11 019 122 14 223 3,45 13.8	P22. 13 14.7 36	\$ 1 \$19 1.38 10 2.23 3.08 30.8 2 \$16 1.90 6 1.50 3.00 18.0	
	22 15151 5	\mathbf{I}	S 1 111 1 22 1 1 223 3.45 3.5	
	19 13.8 101AL 1329 9 15 - 19 945.5'	TOTAL 1328. 5.4. 5314.0 4 5-3-2	4.19	
	\$222		10TAL 52.3 x 6 x 3 4 3 8 18	
	5 1 422 425 16 278 1267 5828	\$ 1. 22° 3.95 29 2.98 11.77 341 1 2 125 5 1267 634		
	21 1.37 12 5.57 66.8 3 5.25 36 15.65 583.4	3 32 7 957 615 1 327 5 1.74 487	5 417 138 10 2.23 3.08 30.8	
:	4 37 6 259 (5.5)	5 279 3 831 241	2 916 179 3 (58) 883 85 3 135 3 292 88	NO, DATE CISCEPHICH A
	6 255 2 7.60 152	6 2 85 3 8 49 255 7 5 25 28 15 65 4382		REVISION
	7 : 1 00 8 · 2.98 23.8 5 1 1 19 12 4 · 2.23 3.45 13.8	\$ 34 5 10L 51 1 - 69L 5 867 260	8 1 919 1.22 1 2.23 3.45 3.5	PORT MUHAMMAD-BIN-QASIM PROJE PAKISTAN
**.*	4:22 1336.73	10 40 5 119 60	419 34.3 ¹⁸	
	19 13.8 191AL 13.50.5 13	12. 92. 2 : 2.74 55	101AL 51.6 · 2 103 2*8	SMALL CRAFTS PIE
		14 2 14 2 . 8.17 16.3	CAR STOPPER	List
		15. 3.4 2 93.6 18.7 14 194 2 57.8 (1.6)	C 1 6 9 35 160 0.19 0.48 76.8	OF
		17 - 184 2 489 93	2 . 320 32 1.60 51.2	MATERIAL(1) JAPAN INTERNATIONAL COOPERATION A
		5 1 919 22 4 3.23 3.45 13.8	TOTAL \$ 9128,0 3	CONSULTANTS ASSOCIATE CIRCUITO DESIGNED CON
				of yest as
1 .				KALE KY IS

투어 있는 하는 그 동생이고 있는 그 만큼 얼마나 없는 것이 없는 것이 되었다.		GENERAL NOTES
	LIST OF MATERIALS	
MARK DIAGROLLIKETHOSEACIT WHEN WEIGHTENS WEIGHT	MARK DIAMA LENGTHA-EACH WEIGH WEIGHT MEIGHT MARK DIAMA LENGTHE-EACH WEIGHT WEIGHT WEIGHT	
PIER GIRDER	APPROACHING GIRDER \$ 8 913 153 12 1,01 159 18.5	
B 1 P25 353 15 3.85 13.59 203.9	B 1 \$25 355 10 385 1367 136; 10 413 1 15 12 1.01 1.20 14.4	
2 153 15 17.44 261.6 5 5.25 140 2021 2829.4	3 5.75 20 22.14 44.23 3 5.75 50 50 24.06 1203 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
7 93 20 30.55 610.6 5 6 93 20 26.68 533.6	4 55 10 17.52 1752 5 1, 523 10 2014 2014	
6 748 5 2880 144.0 1 648 5 24.95 124.8	6 25 60 24.06 1.4434 913 760.1 7 6 23 10 28.93 2891 101AL 1317.9 12	
8 525 10 2021 2021 9 580 10 2156 2156	8 919 788 40 223 17.57 7023 9 545 8 1216 974 PILE CAP	그 내 공동원들이 나오는 하는 그 수 있다.
10 3 03 5 11.67 58A- 11 4 03 5 15 52 77.6	10 925 680 45 3.85 26.18 11.78 P 1 925 1.90 6.48 3.85 7.32 4.14.3.4	
12 523 15 20 14 302 1 13 623 15 23.99 359.9	12 P22 202 90 298 602 5413 2 1.77 780 6.31 5311.8 13 919 6 10 36 223 1360 489 3 137 72 527 3794	
14 525 145 20.21 2930.5 15 483 20 18.60 372.0	5 61 16 12.51 2001 4 42. 648 136 298 1931 3591.7 15 4 12 56 9 19 5144 5 256 12.81 3279 4	
16 5 88 20 14.75 295.0 17 438 5 16.86 24.3	16 2 60 128 5.80 742 6 4 26 256 12.69 3248.6 7 4 22 256 12.55 3220.5	
18 358 55 10 13.01 65.1 148.2 148.2	P 1 913 110 687 1.04 1.14 783 8 418 256 12.46 3169.8 2 1 194 444 2 2 1 392 9 113 2 87 198 1.04 2.98 590 0	
20 5 00 10 19.25 192.5 21 4 73 5 78 18 21 91.1	3 184 216 191 112 10 022 6.14 12 290 18.30 219.6 4 289 27 301 812 11 294 16 8.76 140.2	
22 5 78 5 22.06 110.3 23 419 620 48 223 13.83 663.8	5 110 63 114 714 112 177.9 6 154 63 16 20.50 328.0	
782 40 17.44 697.6 25 605 24 13.49 323.8	φ 25. 6 994.9 % 15 · · · · · · · · · · · · · · · · · ·	
26 375 8 8.36 66.9 27 490 8 10.93 87.4	4 32 14 12 67 154.4 4 72 24 14.07 337.7	
28. 768 12 · 1713 205.6 21 925 430 80 3.85 16.56 1324.8	P13 2 342 1 18 740 8 22.05 176.4 TOTAL 11 725. 6 50 11 4 12 4 12.26 49 1	아름빛(하네티) : 리고 말했다. 그리는 다.
30 775 80 29.84 2387.2 31 522 80 2010 1608.0	UTILITIES DUCT 20 540 10 16.09 160.9 12.09 72.5	
32 6 23 60 23 99 19192 33 6 22 2 02 120 2 98 6 02 722 4	PIER D \$\frac{12}{10} \cdot \frac{32}{3} \frac{3}{3} \frac{15.85}{126.8} \frac{126.8}{3469.6}	
54 419 553 128 2.23 12.33 15782 55 526 18 11.73 211.1	1 1 2 2 2 2 3 1 1 0 9 1 3 0 0 1 2 2 1 1 2 1 3 1 3 3 9 b 1 2 3 1 1 3 1 1 2 2 1 2 3 1 2 3 3 9 0 4 2 1 2 3 1 3 3 9 6 1 2 3 1 3 3 9 b 1 2 3 1 3 3 1 3 3 9 b 1 2 3 1 3 3	
26 789 18 17.59 2166 37 172 14 8.84 53.8	3 1 5 1 125 1 57 196.8 \$\phi 22 18 948.8 \\ 4	이 한 학교 특별 등 내가 얼마를 살았다. 승규
38 3.34 28 7.45 208.6 31 72 14 1.61 22.5	6 2 3 5 63 5 78 5 5 63 5 78 5 5 63 5 78 5 5 63 5 63 6 63 6 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
40 \$16 593 24 158 9.37 224.9 41 \$19 \$61 16 2.23 12.51 200 2	8 4 13 5 36 4 1 04 5.57 22 3 BITT 9 1 4 66 40 4 85 194 0 6 1 4 19 2 01 35 223 4.48 1.44.4.	
42 4 12 104 9.19 9558 43 260 464 530 26912	10 476 5 04 22 6 58 7 16 175 1 2 10 1 154 49 10 3.43 168 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
44 246 16 378	1. 121 \$13 1 6 4 6 1 8 1 1 0 4 1 4 1 2 1 1 53 8 4 4 1 4 1 5 1 1 5 0 1 3 5 1 1 1 5 6 5 4 6 1	
46 P.25 2.75 20 3.85 10.59 211.8	\$16 \$13 \$13 \$13	
B' 1 415 110 1777 1.04 1.14 2.028.1	107At 3.778.6 ¹⁷ TOTAL 451.5 ¹⁸	(1)
2 194 1003 2.02 2026.1 3 2.84 20 2.15 59.0	APPROACH TO A CONTROL OF THE CONTROL	
1 84 720 5 2 89 36 301 108.4	U 1 (4.13 3 10 172 1 04 3 22 553.8 CONCRETE COVER 2 1 09 172 1 13 194.4 R 1 4 9 98 7 0.499 0.49 3.4	NO. GASE DESCRIPTION A
7 1 154 34 1.60 134.9 1.60	3 4.51 36 1.51 56.5 2 1.81 6 3 0.59 3.5 5 4.16 1.80 52 1.58 7.58 394.2	PORT MUHAMMAD-BIH-QASIM PROJE
3 1 30 64 1.55 86.4- 1 2 4 3 64- 2.53 16.1.9	10TAL 6.9 × 95:655.5"	PAKISTÁN
10 80 42 233 34.9 11 64 42 1.71 71.8	416 804 7 PILE JACKET	SMALL CRAFTS PIE
425 17663.6	J 1 1 9 3 3 4 384 0.191 1.69 64 1.3	LIST
422 722.4 419. 8809.0	ACCESS STEP 294 48 4 1.47, 70.6	OF MATERIAL (2)
\$16 254.7 \$13 6182.3	S 1 722 4 96 40 2 98 14.78 4 91.2 2 913 6 12 20 1.04 6.26 1272 99 1595 14	JAPAN INTERNATIONAL COOPERATION A
101AL 33 602.2 N	3 + 22 1 1 0 20 2 98 3 28 6 5 6 4 2 00 24 5 96 1 4 5 0 APPROACH	CONSULTANTS AMROVIO CHICKED DESIGNED CRA
	5 80 32 2.38 76.2 J 1 9.9 3.31 144 0.199 1.69 210.5	50.41E - 11-160 - 10 5.45%
	7 416 1.80 84 1.58 2.841 238.6 2 . 257 234 2 1.28 299.5	

