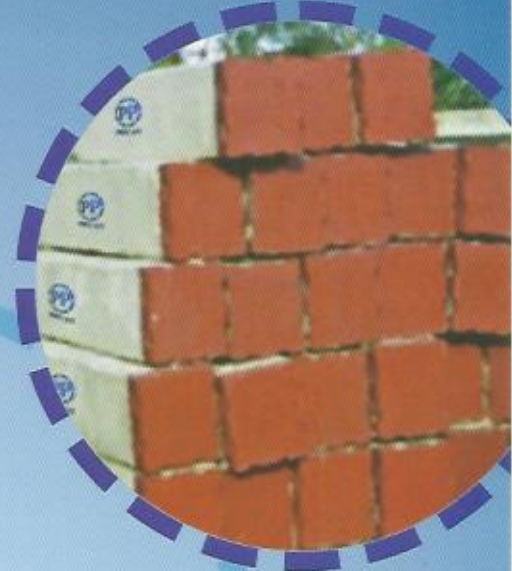
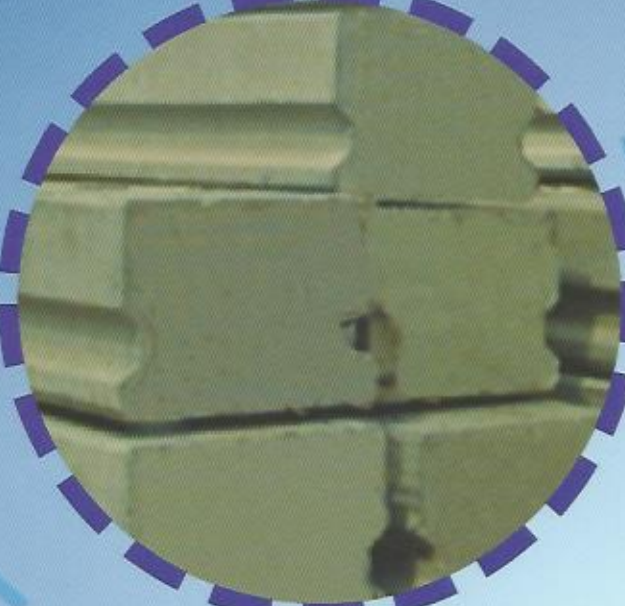
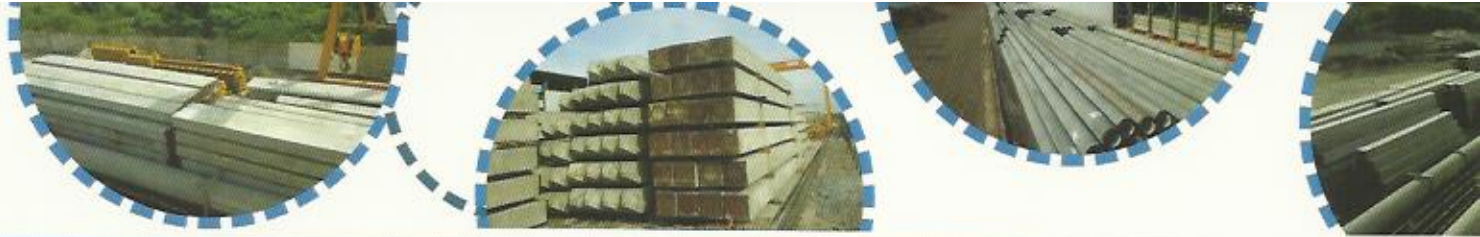


Precast Product



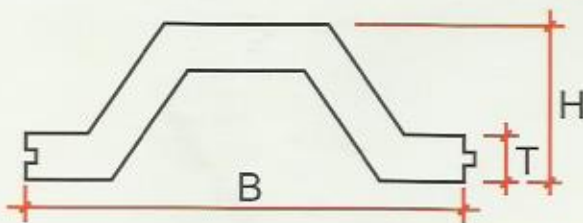
PRECAST





CORRUGATED CONCRETE SHEET PILE (CCSP)

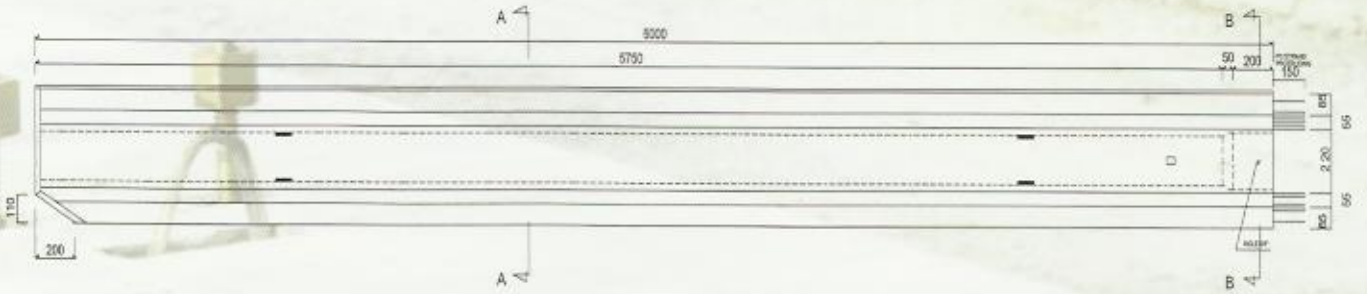
TYPE	HEIGHT (mm) H	THICKNESS (mm) T	WIDTH (mm) B	LENGTH (m)	MOMENT CRACK (ton.m)	WEIGHT (kg/m)
W-325 A W-325 B	325	110	996	8-13 8-14	11.4 13.3	333
W-350 A W-350 B	350	120	996	9-15 10-15	15.6 17.0	367
W-400 A W-400 B	400	120	996	10-16 11-16	20.1 23.4	400
W-450 A W-450 B	450	120	996	11-17 12-17	26.9 30.7	460
W-500 A W-500 B	500	120	996	13-18 13-19	35.2 40.4	455
W-600 A W-600 B	600	120	996	15-20 15-21	50.6 59.6	523





PRECAST

CCSP DETAIL



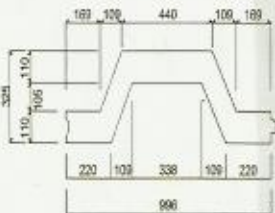
UPPER PLAN
SCALE 1:10



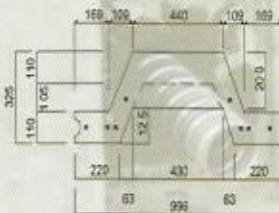
SIDE PLAN
SCALE 1:10



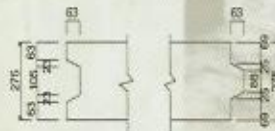
BOTTOM PLAN
SCALE 1:10



SECTION A-A
SCALE 1:5



SECTION B-B
SCALE 1:5



DETAIL
SCALE 1:2

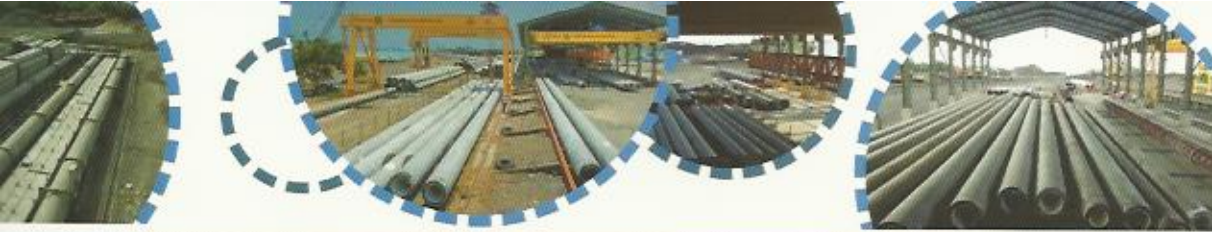
SQUARE PILE



PILE (cm) (BxH)	No of Strand	AREA (cm ²)	WEIGHT (kg/m ¹)	AXIAL LOAD (ton)	ULTIMATE MOMENT (ton.m)
30x30	5 ϕ 3/8"	900	216	116	5.16
35x35	4 ϕ 3/8"	1225	294	161	6.55
40x40	4 ϕ 1/2"	1600	384	210	9.96
45x45	5 ϕ 1/2"	2025	486	266	14.02
50x50	6 ϕ 1/2"	2500	600	329	18.72

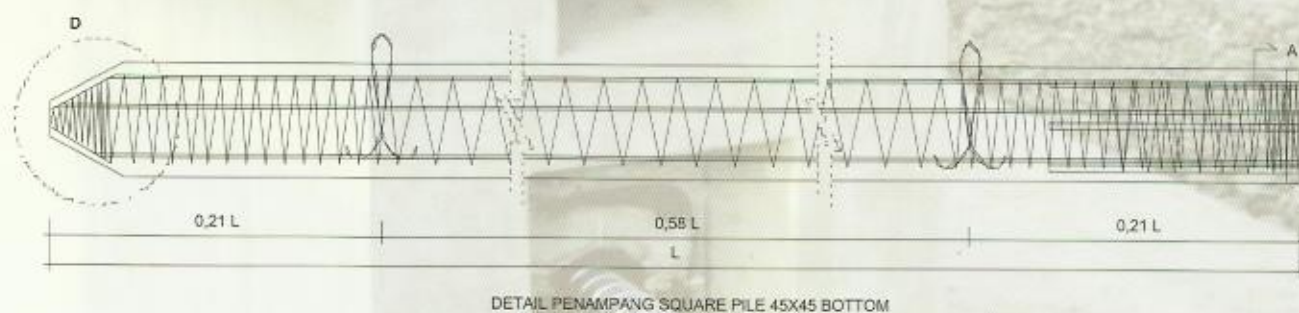
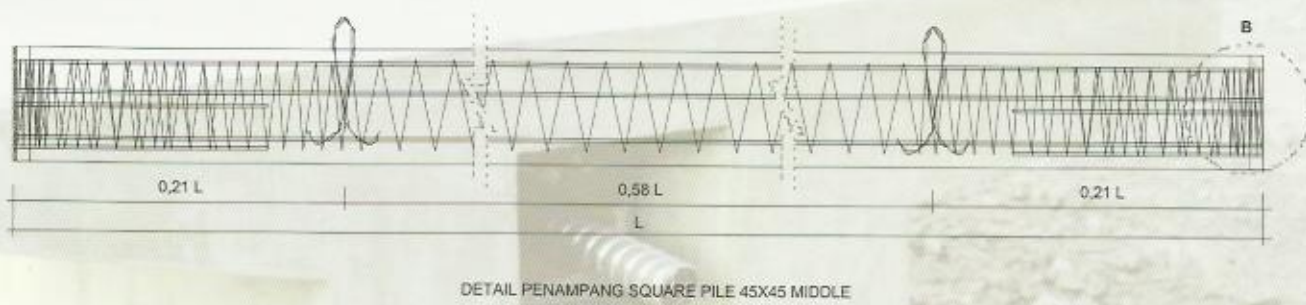
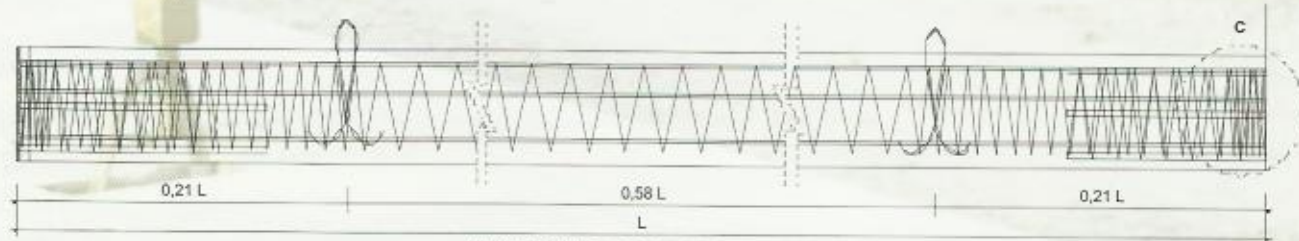
Notes :

1. Standard concrete strength 500 kg/cm²
2. Prestressing strands : PC Strand Grade 270 uncoated
3. Piles can be custom made to meet client's design criteria

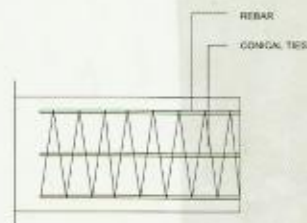


PRECAST

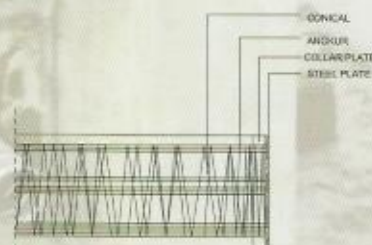
SQUARE PILE DETAIL



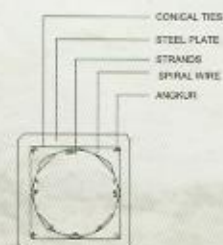
DETAIL D



DETAIL C (KERANJANG)



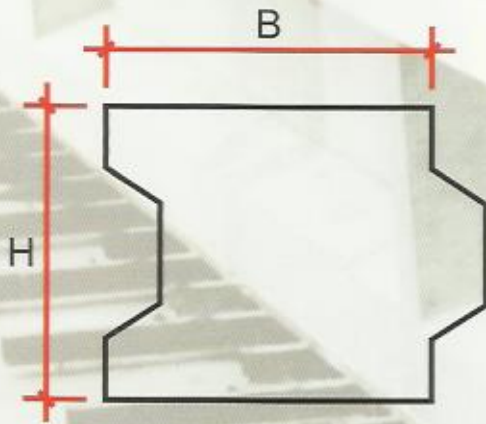
DETAIL B (SPICE JOINT)



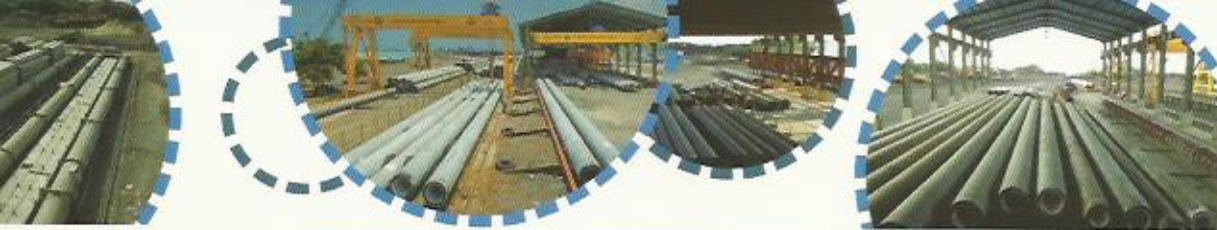
Polongan A - A



FLAT SHEET PILE



SIZE (cm)	AREA (cm ²)	INERTIA (cm ⁴)	WEIGHT (kg/m ¹)	TYPE	ALLOWABLE MOMENT (ton.m)	NOMINAL BENDING MOMENT (ton.m)	CRACKING MOMENT (ton.m)	EFFECTIVE PRESTRESS (kg/cm ²)
50x32	1600	136533	400	A	4.52	9.85	6.14	31.20
				B	5.18	12.32	6.81	39.00
				C	5.85	14.78	7.48	46.80
				D	6.36	16.67	7.99	52.80
				E	7.18	19.71	8.81	62.40
				F	7.85	22.18	9.48	70.30
				G	9.05	26.61	10.67	84.30
				H	10.25	31.05	11.87	98.40
				I	11.45	35.49	13.07	112.40
50x22	1100	44367	275	A	2.25	4.98	3.09	33.50
				B	2.70	6.65	3.56	44.60
				C	3.15	8.31	4.03	55.70
				D	3.33	8.97	4.22	60.20
				E	3.94	11.24	4.86	75.40
				F	4.14	11.96	5.06	80.20
				G	4.55	13.49	5.49	90.40
				H	4.95	14.96	5.91	100.30



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PCI GIRDER



No	Type	Height (mm)	Width (mm)	Web (mm)	Length (m)	
					Minimum	Maximum
1	PCI H 0,9	900	650	170	12	25
2	PCI H 1,2	1200	650	170	16	30
3	PCI H 1,6	1600	650	200	20	37
4	PCI H 1,7	1700	700	200	30	40
5	PCI H 2,1	2100	700	200	40	50

Notes :

1. Concrete K 500 - K 800
2. PCI Girder Segmental with post tension stressing method.
3. Distance center to center for each PCI Girder 1,85 m and can be custom base on client's design criteria

LOCATION





PP PRECAST



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