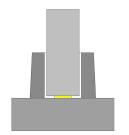
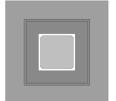
CONSTRUCTION SYSTEMS COMPARISON - COST ANALYSIS Precast PAD Foundation VS Traditional cast-in-place footing and pocket

	Y	PREC	AST PA		TION (FOOT x 8.2 x 1.7 ft	ING) - MON	IACHINO
	, , , , , , , , , , , , , , , , , , ,	ITEM	U. M.	QUANTITY	US\$ / U. M.	COST	NOTE
		Steel - Reinforcing bars (only bent - our production process does not need rebars binding)	lb	485	US\$ 0,35	US\$ 169,75	Fe B 44k 4,25 lb/ft³ (The cost does not include overhead costs and business profits)
	PRECAST PAD FOUNDATION (FOOTING)	Factory produced concrete	ft³	28,60	US\$ 1,80	US\$ 51,48	Rck 30 N/mm² S4 (The cost does not include overhead costs and business profits)
		Labor	Hours	3	US\$ 30,55	US\$ 91,65	
		Total				US\$ 312,88	
		Overhead costs				US\$ 93,86	30%
		Total costs				US\$ 406,74	
4- 8 -		Minimum ex- works sales price				US\$ 508,43	Coefficient 1,25 (The cost includes business profits)
		Amortization of the formworks				US\$ 14,30	
1 1 1 1 1 1		Royalty				US\$ 52,27	10%
		Transport			US\$610,00	US\$ 43,57	ml 125 / 14 precast elements
		Assembly				US\$ 43,00	4 precast foundations x 1 hour (2 unskilled workers + 1 crane)
		Minimum sales price with transport and assembly				US\$ 661,57	
		Assembly system (Column- Foundation)	nr	4	US\$ 12,50	US\$ 50,00	4 Anchor Bolts and 8 Threaded Coupler
		Excavation	ft³	158,42	US\$ 0,19	US\$ 30,10	8,9x8,9x2 ft (with overhead costs and business profits)
	ACTIVITIES THAT ARE	Concrete in situ	ft³	85,71	US\$ 2,63	US\$ 225,41	Rck 30 N/mm² S4 (with overhead costs and business profits)
	OUT IN THE WORKSITE	Backfilling	ft³	23,94	US\$ 0,13	US\$ 2,99	Excavation - Foundation (with overhead costs and business profits)
			TOTAL	PRICE	US\$ 970,08		
						234 07 0,00	

	TRADIT	WITH PC	CKET (SOCKET)					
	ITEM	U. M.	QUANTITY	US\$ /	υ. м .	С	оѕт	NOTE
	Steel - Reinforcing bars (footing base)	lb	485	US\$	0,61	US\$	295,85	Fe B 44k 4,25 lb/ft³ (with overhead costs and business profits)
	Steel - Reinforcing bars (Pocket)	lb	382	US\$	0,61	US\$	233,02	Fe B 44 k (with overhead costs and business profits)
	Formwork (footing base)	ft²	55,76	US\$	3,05	US\$	170,07	8,2x1,7x4 (with overhead costs and business profits)
	Formwork (Pocket)	ft²	99,36	US\$	3,05	US\$	303,05	(4,3×3,6×4) + (2,6×3,6×4) - (with overhead costs and business profits)
ACTIVITIES THAT ARE CARRIED OUT IN THE WORKSITE								
	Excavation (Pocket)	ft³	345,74	US\$	0,19	US\$	65,69	9,8x9,8x3,6 ft (with overhead costs and business profits)
	Concrete in situ (Pocket)	ft³	42,23	US\$	2,63	US\$	111,06	Pocket (4,3×4,3×3,6) – (2,6×2,6×3,6) ft - Rck 30 N/mm² S4 (with overhead costs and business profits)
	Backfilling (Pocket)	ft³	279,18	US\$	0,13	US\$	34,90	Excavation - Pocket (with overhead costs and business profits)
	Excavation (footing base)	ft³	192,08	US\$	0,19	US\$	36,50	9,8x9,8x2 ft (with overhead costs and business profits)
	Concrete in situ (footing base)	ft³	114,31	US\$	2,63	US\$	300,63	Footing base 8,2x8,2x1,7 ft (with overhead costs and business profits)
	Backfilling (footing base)	ft³	57,60	US\$	0,13	US\$	7,20	Excavation - Footing base (with overhead costs and business profits)
	Mortar for filling between column and pocket	ft³	9,94	US\$	2,63	US\$	26,13	
		TOTA	L PRICE			US\$1	.584,09	
	PEF	CENTA	AGE SAVING	S			39%	
	SAVINO	MADE	BY USING	OUR		US\$	614,01	





CONSTRUCTION SYSTEMS COMPARISON - COST ANALYSIS Precast PAD Foundation VS Traditional cast-in-place footing and precast pocket

	Precast PAD Foundation VS Tra											
P	PRECAST PAD FOUNDATION (FOOTING) - MONACHINO 8.2 x 8.2 x 1.7 ft											
γ τ	ITEM	U. M.	QUANTITY	US\$	/ U. M.	COST	NOTE					
PRECAST	Steel - Reinforcing bars (only bent - our production process does not need rebars binding)	lb	485	US\$	0,35	US\$169,75	Fe B 44k 4,25 lb/ft³ (The cost does not include overhead costs and business profits)					
PAD FOUNDATION (FOOTING)	Factory produced concrete	ft³	28,60	US\$	1,80	US\$ 51,48	Rck 30 N/mm² S4 (The cost does not include overhead costs and business profits)					
	Labor	Hours	3	US\$	30,55	US\$ 91,65						
	Total					US\$312,88						
	Overhead costs					US\$ 93,86	30%					
	Total costs					US\$406,74						
	Minimum ex- works sales price					US\$508,43	Coefficient 1,25 (The cost includes business profits)					
	Amortization of the formworks					US\$ 14,30						
	Royalty					US\$ 52,27	10%					
	Transport			US\$	610,00	US\$ 43,57	ml 125 / 14 precast elements					
	Assembly					US\$ 43,00	4 precast foundations x 1 hour (2 unskilled workers + 1 crane)					
	Minimum sales price with transport and assembly					US\$661,57						
	Assembly system (Column- Foundation)	nr	4	US\$	12,50	US\$ 50,00	4 Anchor Bolts and 8 Threaded Coupler					
	Excavation	ft³	158,42	US\$	0,19	US\$ 30,10	8,9x8,9x2 ft (with overhead costs and business profits)					
ACTIVITIES THAT ARE CARRIED	Concrete in situ	ft³	85,71	US\$	2,63	US\$225,41	Rck 30 N/mm² S4 (with overhead costs and business profits)					
OUT IN THE WORKSITE	Backfilling	ft³	23,94	US\$	0,13	US\$ 2,99	Excavation - Foundation (with overhead costs and business profits)					

TOTAL PRICE

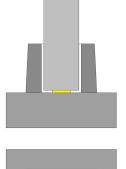
US\$970,08

	V		TRADITION/ RECAST PO		PLACE FOOTING KET) 8.2 x 8.2 x 1.7 ft				
	ITEM U. M. QUANTITY US\$ / U. M.					С	OST	NOTE	
	Steel - Reinforcing bars (Precast Pocket)	lb	382	US\$	0,44	US\$	168,08	Fe B 44 k (The cost does not include overhead costs and business profits)	
PRECAST POCKET	Factory produced concrete (Precast Pocket)	ft³	42,23	US\$	1,80	US\$	76,01	Pocket 4,3×4,3×3,6 ft Rck 30 N/mm² S4 (The cost does not include overhead costs and business profits)	
	Labor	Hours	4	US\$	30,55	US\$	122,20		
	Total					US\$	366,29		
	Overhead costs					US\$	109,89	30%	
	Total costs					US\$	476,18		
	Minimum ex- works sales price					US\$	595,22	Coefficient 1,25 (The cost includes business profits)	
	Amortization of the formworks					US\$	14,30		
	Transport			US\$6	610,00	US\$	67,78	ml 125 / 9 precast elements	
	Assembly					US\$	43,00	4 precast pocket x 1 hour (2 unskilled workers + 1 crane)	
	Minimum sales price with transport and assembly					US\$	720,30		
	Excavation (Precast Pocket)	ft³	345,74	US\$	0,19	US\$	65,69	9,8x9,8x3,6 ft (with overhead costs and business profits)	
	Excavation (footing base)	ft³	192,08	US\$	0,19	US\$	36,50	9,8x9,8x2 ft (with overhead costs and business profits)	
	Formwork (footing base)	ft²	55,76	US\$	3,05	US\$	170,07	8,2x1,7x4 (with overhead costs and business profits)	
ACTIVITIES THAT ARE	Steel - Reinforcing bars (footing base)	lb	485	US\$	0,61	US\$	295,85	Fe B 44k 4,25 lb/ft³ (with overhead costs and business profits)	
CARRIED OUT IN THE WORKSITE	Concrete in situ (footing base)	ft³	114,31	US\$	2,63	US\$	300,63	Footing base 8,2x8,2x1,7 ft (with overhead costs and business profits)	
	Backfilling (Precast Pocket)	ft³	279,18	US\$	0,13	US\$	34,90	Excavation - Pocket (with overhead costs and business profits)	
	Backfilling (footing base)	ft³	57,60	US\$	0,13	US\$	7,20	Excavation - Footing base (with overhead costs and business profits)	
	Mortar for filling between column and pocket	ft³	9,94	US\$	2,63	US\$	26,13		
	poortor	TOTAL	PRICE			115¢	1.657,26		
		- O IAL		σσφ	,20				

PERCENTAGE SAVINGS

SAVING MADE BY USING OUR CONSTRUCTION US\$ 687,18 SYSTEM

41%



CONSTRUCTION SYSTEMS COMPARISON - COST ANALYSIS -

Precast PAD Foundation VS Traditional cast-in-place footing with connection systems such as PEIKKO or HALFEN

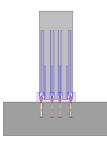
		Precast PAD Foundation VS Traditional cast-in-pla								
	Y	PRE	CAST F	PAD FOUND 8.		N (FOO .2 x 1.7) - MO	NACHINO	
	7 1	ITEM	U. M.	QUANTITY	US\$	/ U. M.	C	OST	NOTE	
	PRECAST PAD FOUNDATION (FOOTING)	Steel - Reinforcing bars (only bent - our production process does not need rebars binding)	lb	485	US\$	0,35	US\$	169,75	Fe B 44k 4,25 lb/ft³ (The cost does not include overhead costs and business profits)	
		Factory produced concrete	ft³	28,60	US\$	1,80	US\$	51,48	Rck 30 N/mm² S4 (The cost does not include overhead costs and business profits)	
		Labor	Hours	3	US\$	30,55	US\$	91,65		
		Total					US\$	312,88		
		Overhead costs					US\$	93,86	30%	
		Total costs					US\$	406,74		
		Minimum ex- works sales price					US\$508,43		Coefficient 1,25 (The cost includes business profits)	
							US\$	14,30		
		Royalty					US\$	52,27	10%	
		Transport			US\$	610,00	US\$	43,57	ml 125 / 14 precast elements	
		Assembly					US\$	43,00	4 precast foundations x 1 hour (2 unskilled workers + 1 crane)	
		Minimum sales price with transport and assembly					US\$	661,57		
		Assembly system (Column- Foundation)	nr	4	US\$	12,50	US\$	50,00	4 Anchor Bolts and 8 Threaded Coupler	
		Excavation	ft³	158,42	US\$	0,19	US\$	30,10	8,9x8,9x2 ft (with overhead costs and business profits)	
	ACTIVITIES THAT ARE CARRIED OUT IN THE	Concrete in situ	ft³	85,71	US\$	2,63	US\$	225,41	Rck 30 N/mm² S4 (with overhead costs and business profits)	
	WORKSITE	Backfilling	ft³	23,94	US\$	0,13	US\$	2,99	Excavation - Foundation (with overhead costs and business profits)	
			TOTAL	PRICE	US\$	970,08				

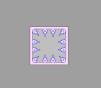
	TRADITIONAL CAST-IN-PLACE F CONNECTION SUCH AS PEIKKO /								
	ITEM	U. M.	QUANTITY	US\$	/ U. M.	c	OST	NOTE	
	Steel - Reinforcing bars (footing base)	lb	485	US\$	0,61	US\$	295,85	Fe B 44k 4,25 lb/ft³ (with overhead costs and business profits)	
	Formwork (footing base)	ft²	55,76	US\$	3,05	US\$	170,07	8,2x1,7x4 (with overhead costs and business profits)	
	Jig					US\$	60,00		
	Transport and assembly of the jig					US\$	60,00		
	Expansive mortar					US\$	98,00	The cost includes preparation and pouring	
	Additional reinforcing bars to join the Jig to the footing reinforcing cage	lb	44	US\$	0,61	US\$	26,84	Fe B 44 k (with overhead costs and business profits)	
ACTIVITIES THAT ARE CARRIED OUT IN THE WORKSITE									
	Connection systems (Column- Foundation)	nr	6	US\$	72,00	US\$	432,00	Anchor Bolts and Column Shoes	
	Excavation (footing base)	ft³	192,08	US\$	0,19	US\$	36,50	9,8x9,8x2 ft (with overhead costs and business profits)	
	Concrete in situ (footing base)	ft³	114,31	US\$	2,63	US\$	300,63	Footing base 8,2x8,2x1,7 ft (with overhead costs and business profits)	
	Backfilling (footing base)	ft³	57,60	US\$	0,13	US\$	7,20	Excavation - Footing base (with overhead costs and business profits)	
		TOTA	L PRICE			US\$	1.487,08		
	PE	RCENT	AGE SAVING	s			35%		

SAVING MADE BY USING OUR CONSTRUCTION SYSTEM

US\$ 517,00

This solution is not recommended for Seismic Zones





CONSTRUCTION SYSTEMS COMPARISON - COST ANALYSIS - Precast PAD Foundation VS Traditional cast-in-place footing with steel corrugated tubes

	P	PRECAST PAD FOUNDATION (FOOTING) - MONACHINO 8.2 x 8.2 x 1.7 ft									
	, ,	ITEM	U.M.	QUANTITY	US\$	/ U. M.	C	OST	NOTE		
		Steel - Reinforcing bars (only bent - our production process does not need rebars binding)	lb	485	US\$	0,35	US\$	169,75	Fe B 44k (The cost does not include overhead costs and business profits)		
	PRECAST PAD FOUNDATION (FOOTING)	Factory produced concrete	ft³	28,60	US\$	1,80	US\$	51,48	Rck 30 N/mm² S4 (The cost does not include overhead costs and business profits)		
		Labor	Hours	3	US\$	30,55	US\$	91,65			
_		Total					US\$	312,88			
		Overhead costs					US\$	93,86	30%		
		Total costs					US\$406,74				
		Minimum ex- works sales price					US\$	508,43	Coefficient 1,25 (The cost includes business profits)		
		Amortization of the formworks					US\$	14,30			
		Royalty					US\$	52,27	10%		
		Transport			US\$	610,00	US\$	43,57	ml 125 / 14 precast elements		
+		Assembly					US\$	43,00	4 precast foundations x 1 hour (2 unskilled workers + 1 crane)		
		Minimum sales price with transport and assembly					US\$	661,57			
		Assembly system (Column- Foundation)	nr	4	US\$	12,50	US\$	50,00	4 Anchor Bolts and 8 Threaded Coupler		
		Excavation	ft³	158,42	US\$	0,19	US\$	30,10	8,9x8,9x2 ft (with overhead costs and business profits)		
	ACTIVITIES THAT ARE CARRIED OUT IN THE	Concrete in situ	ft³	85,71	US\$	2,63	US\$	225,41	Rck 30 N/mm² S4 (with overhead costs and business profits)		
	WORKSITE	Backfilling	ft³	23,94	US\$	0,13	US\$	2,99	Excavation - Foundation (with overhead costs and business profits)		
			TOTAL	PRICE			US\$	970,08			

		NITH 2.6 ft						
	ITEM	U. M.	QUANTITY	US\$	/ U. M.	С	OST	NOTE
	Steel - Reinforcing bars (footing base)	lb	485	US\$	0,61	US\$	295,85	Fe B 44k 4,25 lb/ft³ (with overhead costs and business profits)
	Formwork (footing base)	ft²	85,28	US\$	3,05	US\$	260,10	8,2x2,6x4 (with overhead costs and business profits)
	Jig for 16 corrupted tubes					US\$	245,00	
	Transport and assembly of the jig					US\$	123,00	
	Expansive mortar					US\$	281,00	The cost includes preparation and pouring
ACTIVITIES THAT ARE CARRIED								
OUT IN THE WORKSITE								
	Connection systems (Column- Foundation)	nr	4	US\$	49,00	US\$	196,00	Anchor Bolts and Column Shoes
	Excavation (footing base)	ft³	288,12	US\$	0,19	US\$	54,74	9,8x9,8x3 ft (with overhead costs and business profits)
	Concrete in situ (footing base)	ft³	181,55	US\$	2,63	US\$	477,47	Footing base 8,2x8,2x2,7 ft (with overhead costs and business profits)
	Backfilling (footing base)	ft³	86,40	US\$	0,13	US\$	10,80	Excavation - Footing base (with overhead costs and business profits)
		TOTA	L PRICE			US\$	1.943,97	

PERCENTAGE SAVINGS
SAVING MADE BY USING OUR

CONSTRUCTION SYSTEM

US\$ 973,89

