

BILL OF QUANTITIES

SAN ANDREA SCHOOL

SUMMARY OF BILLS

		AMOUNT (Exc. Vat) €
A	Football Pitch	€ -
B	Other areas	€ -
	<i>Basketball Court</i>	
	<i>Running Track</i>	
	<i>Landing Pit</i>	
<u>Total Value</u> (Excl.VAT)		€ -
<i>Contingency (15%)</i>		€ -
<u>Subtotal:</u>		€ -
VAT(18%)		€ -
<u>Amount:</u> (Incl.VAT)		€ -

San Andrea School

Item	Description	QTY	Unit.	Rate in € (Excl.VAT)	Amount in € (Excl.VAT)
<p><i>Note:</i> <u>All costs for crainage or concrete pump use are to be included in the rate.</u></p>					
A	FOOTBALL PITCH				
1	GROUND WORKS				
1.1	<u>General Site Excavation</u>				
Excavation for pipe trench; pipes and fittings measured separately:					
1.1.1	Trench Dimension - 600mm width x 600mm height; for pipe diameter 150mm. (PROVISIONAL)	203.68	m	-	-
1.1.2	Trench Dimension - 600mm width x 600mm height; for pipe diameter 200mm.	179.60	m	-	-
1.1.3	Trench Dimension - 600mm width x 600mm height; for pipe diameter 300mm.	11.73	m	-	-
1.2	<u>Backfilling</u>				
1.2.1	Supply, lay and compact graded fill suitable backfilling material for general backfilling with 200-300 mm layer thickness.	306.00	c.m	-	-
Subtotal					€ 0.00
2	CONCRETE WORKS				
2.1	<u>Slab</u>				
2.1.1	Grade C25, 150mm thick concrete laid to falls with SIKA WT 100-P as per supplier's Technical Specifications. Rate is to include laying to falls with a gradient of 5% and for a power-float finish. <i>(Reinforcement measured seperately)*</i>	1020.00	s.m	-	-
*Concrete to be chased to form bays within 24 hours of casting.					
2.1.2	Supply and lay polythene sheeting, G1000, beneath concrete including taped over-laps and turn-ups.	1020.00	s.m	-	-
2.1.3	Cutting 70 mm deep to form bays 3m x 3m, using a saw cutting machine.	746.36	m	-	-
Subtotal					€ 0.00
3	STEEL REINFORCEMENT				
3.1	<u>Reinforcements</u>				
Supply and place in position the following mesh reinforcement. Rate is to be inclusive of all laps, proprietary cover saddles. Laps to be a minimum of 400 mm.					
3.1.1	A142 mesh fabric; weighing 2.22 kg/m2, with a concrete cover of 5 cm.	1020.00	s.m	-	-
Subtotal					€ 0.00
4	DRAINAGE WORKS				
4.1	<u>Backfill to trenches</u>				
4.1.1	For pipe diameter 150mm. (PROVISIONAL)	73.32	c.m	-	-
4.1.2	For pipe diameter 200mm.	64.66	c.m	-	-
4.1.3	For pipe diameter 300mm.	4.22	c.m	-	-

4.2 Pipe Work

Supply and installation of PVC pipes including necessary fittings. Rate to include for concrete C20 surround, 100 mm thick.

4.2.1	150mm diameter. (PROVISIONAL) (as sleeves for electrical cables)	203.68	m	-	-
4.2.2	200mm diameter.	179.60	m	-	-
4.2.3	300mm diameter.	11.73	m	-	-

4.3 Gutter Work

Supply and install polymer concrete channels (gutter) type "Proself Channels", including concreting around the gutter covers in accordance with supplier's Technical Specifications.

4.3.1	Proself Channels 236mm width x 220mm height, as per Technical Specifications.	139.19	m	-	-
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Subtotal € 0.00

Amount carried forward to summary page € 0.00

San Andrea School

Item	Description	QTY	Unit.	Rate in € (Excl.VAT)	Amount in € (Excl.VAT)
B	OTHER AREAS (Basketball Court, Running Track, Landing Pit)				
1	GROUND WORKS				
1.1	<i>General Site Excavation</i>				
1.2	<i>Backfilling</i>				
1.2.1	Supply, lay and compact graded fill suitable backfilling material for general backfilling with 200-300 mm layer thickness.	503.12	c.m	-	-
				Subtotal	€ 0.00
2	CONCRETE WORKS				
2.1	<i>Slab</i>				
2.1.1	Grade C25, 150mm thick concrete laid to falls with SIKA WT 100-P as per supplier's Technical Specifications. Rate is to include laying to falls with a gradient of 5% and for a power-float finish. <i>(Reinforcement measured seperately)*</i>	1677.05	s.m	-	-
	<i>*Concrete to be chased to form bays within 24 hours of casting.</i>				
2.1.2	Supply and lay polythene sheeting, G1000, beneath concrete including taped over-laps and turn-ups.	1677.05	s.m	-	-
2.1.3	Cutting 70 mm deep to form bays 3m x 3m, using a saw-cutting machine. All chases to be filled with "SIKA Flex" as per supplier's Technical Specifications.	1053.40	m	-	-
				Subtotal	€ 0.00
3	STEEL REINFORCEMENT				
3.1	<i>Reinforcements</i>				
	Supply and place in position the following mesh reinforcement. Rate is to be inclusive of all laps, proprietary cover saddles. Laps to be a minimum of 400 mm.				
3.1.1	A142 mesh fabric; weighing 2.22 kg/m2, with a concrete cover of 5 cm.	1677.05	s.m	-	-
				Subtotal	€ 0.00
	Amount carried forward to summary page				€ 0.00

San Andrea School

Take offs

BOQ Ref	Description	Nr	No.off CrS	Height	Dimensions			Area	Reinf Type	Weight of Steel	Total	Unit	DWG Ref	Notes
					Width	Length								
A	FOOTBALL PITCH													
1.1	Excavation for pipe trench; pipes and fittings measured separately: Trench Dimension - 600mm width x 600mm height;													
	For pipe diameter 150mm (PROVISIONAL)		n	kgs	mts x	mts x	203.68	mts	**	1	203.68	m		
	For pipe diameter 200mm		n	kgs	mts x	mts x	179.60	mts	**	1	179.60	m		
	For pipe diameter 300mm		n	kgs	mts x	mts x	11.73	mts	**	1	11.73	m		
											Total (Unit) :	395.01	m	
1.2.1	Supply, lay and compact graded fill suitable backfilling material for general backfilling with 200-300 mm layer thickness.													
			n	kgs	0.30 mts x	27.20 mts x	37.50	mts	**	1	306.00	c.m		
											Total (Unit) :	306.00	c.m	
2.1.1	Grade C25, 150mm thick concrete laid to falls with SIKA WT 100-P as per supplier's Technical Specifications. Rate is to include laying to falls with a gradient of 5% and for a power-float finish. (Reinforcement measured seperately*													
			n	kgs	mts x	27.20 mts x	37.50	mts	**	1	1020.00	s.m		
											Total (Unit) :	1020.00	s.m	
2.1.3	Cutting 70 mm deep to form bays 3m x 3m, using a saw cutting machine.													
	Horizontal	13	n	kgs	mts x	mts x	28.32	mts	**	1	368.16	m		
	Vertical	10	n	kgs	mts x	mts x	37.82	mts	**	1	378.20	m		
											Total (Unit) :	746.36	m	
3.1.1	A142 mesh fabric; weighing 2.22 kg/m2, with a concrete cover of 5 cm.													
			n	kgs	mts x	27.20 mts x	37.50	mts	**	1	1020.00	s.m		
											Total (Unit) :	1020.00	s.m	
4.1	Backfill to trenches													
	For pipe diameter 150mm (PROVISIONAL)		n	kgs	0.60 mts x	0.60 mts x	203.68	mts	**	1	73.32	c.m		
	For pipe diameter 200mm		n	kgs	0.60 mts x	0.60 mts x	179.60	mts	**	1	64.66	c.m		
	For pipe diameter 300mm		n	kgs	0.60 mts x	0.60 mts x	11.73	mts	**	1	4.22	c.m		
											Total (Unit) :	142.20	c.m	
4.2	Pipe Work													
	150mm diameter (PROVISIONAL) (as sleeves for electrical cables)		n	kgs	mts x	mts x	203.68	mts	**	1	203.68	m		
	200mm diameter		n	kgs	mts x	mts x	179.60	mts	**	1	179.60	m		
	300mm diameter		n	kgs	mts x	mts x	11.73	mts	**	1	11.73	m		
											Total (Unit) :	395.01	m	

4.3	Gutter Work											
	Proself Channels 236mm width x 220mm height, as per Technical Specifications.	n	kgs	mts x	mts x	70.79	mts	**	1	70.79	m	
		n	kgs	mts x	mts x	68.40	mts	**	1	68.40	m	
										Total (Unit) :	139.19 m	
B	OTHER AREAS (Basketball Court, Running Track, Landing Pit)											
1.2.1	Supply, lay and compact graded fill suitable backfilling material for general backfilling with 200-300 mm layer thickness.											
		n	kgs	mts x	0.30	mts x	mts	1677.05	**	1	503.12	c.m
										Total (Unit) :	503.12 c.m	
2.1.1	Grade C25, 150mm thick concrete laid to falls with SIKA WT 100-P as per supplier's Technical Specifications. Rate is to include laying to falls with a gradient of 5% and for a power-float finish. (Reinforcement measured seperately)*											
		n	kgs	mts x	mts x	mts	1677.05	**	1	1677.05	s.m	
										Total (Unit) :	1677.05 s.m	
2.1.3	Cutting 70 mm deep to form bays 3m x 3m, using a saw-cutting machine. All chases to be filled with "SIKA Flex" as per supplier's Technical Specifications.											
	Horizontal	24	n	kgs	mts x	mts x	39.19	mts	**	1	572.40	m
	Vertical	12	n	kgs	mts x	mts x	71.60	mts	**	1	481.00	m
										Total (Unit) :	1053.40 m	
3.1.1	A142 mesh fabric; weighing 2.22 kg/m2, with a concrete cover of 5 cm.											
		n	kgs	mts x	mts x	mts	1677.05	**	1	1677.05	s.m	
										Total (Unit) :	1677.05 s.m	