ANEXO "A" - CUADRO COMPARATIVO DE PRECIOS

LOTE Nº 1
COMPUTO METRICO Y PRESUPUESTO DE OBRA
ESCUELA: RODRIGUEZ DE FRANCIA
OBRA: ADECAUCION DE AULA Y BAÑO

EMPRESA:				Nestor Zarza		ARTURO KRANICH		Ing. Juan González E.		Winston Nuñez		MANAGEL S.A	H2F S.A	
N°	RUBRO	UNIDAD	CANTIDAD	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL		P. UNITARIO	P. TOTAL
1	Trabajos preliminares y preparación de la obra													
	a- Demolición de Pared existente	m2	4.00	7,518	30,072	7,022	28,088	167,200	668,800	41,400	165,600		30,000	120,000
	b- Limpieza general	gl.	1.00	1,309,500	1,309,500	289,676	289,676	715,000	715,000	897,000	897,000		200,000	200,000
	c- Reacondicionamiento de pasillo medianero	m2	15.65	75,000	1,173,750	52,569	822,705	291,830	4,567,140	20,700	323,955	NO OFERTO	30,000	469,500
2	Excavaciones													
	a-Excavación para carga de cimiento c/ P.B.C	m3	3.00	45,590	136,770	41,184	123,552	40,480	121,440	55,200	165,600		35,000	105,000
3	Cimiento													
	a-Cimiento de piedra bruta colocada (0,40 x0,60)	m3	3.00	255,789	767,367	258,482	775,446	318,450	955,350	280,000	840,000		300,000	900,000
4	Estructura de H° A° :													
	a- Encadenado H°A° (inferior) de H° A° (13cm x 30cm.)	ml	12.25	103,984	1,273,804	71,941	881,277	74,580	913,605	110,400	1,352,400		120,000	1,470,000

	b- Encadenado H°A° (superior) de H° A° (13cm x 30cm.)	ml	12.25	102,000	1,249,500	71,941	881,277	75,350	923,038	110,400	1,352,400	130,000	1,592,500
	c- Viga de H° A° en galeria (15cm x 30cm)	m3	0.65	1,302,910	846,892	1,619,442	1,052,637	2,062,500	1,340,625	1,700,000	1,105,000	2,800,000	1,820,000
5	**Muros de Nivelación h=0,50**												
	a- De 0,30 cm.	m2	6.20	109,804	680,785	135,321	838,990	137,500	852,500	130,000	806,000	130,000	806,000
7	**Aislación Asfaltica de Muros:**												
	a- De 0,15- Horizontal c/panderete	m2	12.67	14,841	188,035	76,551	969,901	25,300	320,551	124,200	1,573,614	30,000	380,100
8	**Muros de elevación :**												
	a- De 0,15 de ladrillos comunes para revoque	m2	21.00	60,431	1,269,051	79,298	1,665,258	71,500	1,501,500	68,000	1,428,000	70,000	1,470,000
	b- Envarillado bajo aberturas 2 Ø 8 por hilada (2 hiladas)	ml	8.00	95,642	765,136	29,159	233,272	29,194	233,552	25,000	200,000	20,000	160,000
11	**Techo :**												
	a- Reacondicionamiento de techo	m2	18.00	160,000	2,880,000	143,577	2,584,386	236,940	4,264,920	190,000	3,420,000	100,000	1,800,000
	b- Cielorraso de PVC	m2	20.00	82,000	1,640,000	151,955	3,039,100	270,160	5,403,200	90,000	1,800,000	70,000	1,400,000
16	**Piso**												
	a- Baldosa Calcárea en aula (20cm x 20cm)	m2	17.25	54,514	940,367	64,705	1,116,161	61,950	1,068,638	89,700	1,547,325	70,000	1,207,500
	b- Zócalo calcáreos	ml.	11.00	15,132	166,452	19,629	215,919	29,190	321,090	24,840	273,240	25,000	275,000
18	**Colocación de aberturas de madera:**												

NO OFERTO

NO

	a- Contramarco de madera	ml	5.20	8,439	43,883	15,244	79,269	37,380	194,376	20,700	107,640	20,000	104,000
	b- De marco 0,15 y puerta de 0,80 x 2,10 tablero	un	1.00	1,058,755	1,058,755	1,184,768	1,184,768	1,815,000	1,815,000	1,242,000	1,242,000	1,200,000	1,200,000
	c- De marco 0,15 y puerta para boxes baño 0,60 x 1,20	un	2.00	513,518	1,027,036	931,768	1,863,536	1,061,500	2,123,000	828,000	1,656,000	600,000	1,200,000
20	**Pinturas :**												
	a- De paredes al látex sin enduido	m2	15.60	32,398	505,409	19,541	304,840	12,100	188,760	24,000	374,400	15,000	234,000
	b- De pilares vistos con antimoho incoloro	m2	7.50	15,326	114,945	9,200	69,000	16,500	123,750	23,460	175,950	15,000	112,500
	e- De aberturas de madera con barniz (boxes y depósito)	m2	2.00	15,035	30,070	40,250	80,500	18,700	37,400	24,840	49,680	30,000	60,000
	f- De canaletas y bajadas con esmalte sintético	ml	14.47	16,296	235,803	16,750	242,373	27,250	394,308	30,360	439,309	10,000	144,700
21	Vidrios triples	m2	4.00	85,166	340,664	73,370	293,480	202,086	808,344	150,000	600,000	160,000	640,000
22	**Instalación Pluvial**												
	a- Canaleta y Bajada N° 26 - desarrollo 50cm.	ml	12.47	89,531	1,116,452	66,550	829,879	104,313	1,300,783	70,000	872,900	75,000	935,250
23	**Instalación eléctrica**												
	a- Cable de 4mm	ml	50.00	3,076	153,800	3,927	196,350	12,650	632,500	1,650	82,500	5,000	250,000
	b-Electroducto corrugado 3/4"	ml	30.00	2,183	65,490	1,863	55,890	3,916	117,480	1,000	30,000	10,000	300,000
	c- Cinta aisladora	un	4.00	8,245	32,980	3,328	13,312	13,750	55,000	6,900	27,600	7,500	30,000
	a-Línea subterránea trifásica con de 6 a 10 mm	ml	20.00	65,378	1,307,560	38,729	774,580	99,000	1,980,000	82,800	1,656,000	50,000	1,000,000

O OFERTO

NO OFERTO

	b-Puntos	un	2.00	64,699	129,398	77,187	154,374	55,000	110,000	93,840	187,680	100,000	200,000
	d-Tablero seccional c/6 llaves TM.	un	1.00	378,300	378,300	555,060	555,060	1,379,400	1,379,400	545,100	545,100	300,000	300,000
	f-Provisión y coloc. de artef. Tipo florecente 1 x 40	un	4.00	44,038	176,152	46,585	186,340	104,940	419,760	55,000	220,000	100,000	400,000
24	**Revestimiento**												
	a- Azulejos blancos 20 x 30 h= 2,0 en sanitarios	m2.	5.40	76,436	412,754	55,044	297,238	57,200	308,880	86,940	469,476	70,000	378,000
25	**Instalacion Sanitaria**												
	a-Alimentacion de Agua corriente fria	un	3.00	378,300	1,134,900	445,486	1,336,458	259,600	778,800	427,800	1,283,400	500,000	1,500,000
	b-Desague cloacal hasta el primer registro	un	2.00	514,731	1,029,462	580,982	1,161,964	400,400	800,800	386,400	772,800	500,000	1,000,000
	c-Rejilla en patio desague pluvial (0,30 m. ancho)	ml.	1.00	310,400	310,400	98,827	98,827	398,200	398,200	82,800	82,800	250,000	250,000
	d-Camara de Inspeccion 30x30 inst. pluvial	un	2.00	239,590	479,180	224,538	449,076	863,500	1,727,000	345,000	690,000	250,000	500,000
	e-Camara de Inspeccion 40x40	un	2.00	315,250	630,500	314,120	628,240	1,058,200	2,116,400	345,000	690,000	300,000	600,000
	f-Caño PVC 100mm	ml.	30.00	31,719	951,570	8,385	251,550	39,820	1,194,600	38,640	1,159,200	30,000	900,000
	g-Artefactos sanitarios (2) inodoros colocados	un	2.00	419,428	838,856	431,910	863,820	480,150	960,300	524,400	1,048,800	500,000	1,000,000

NO OFERTO

	h-Mesada granitica reconst. con 3 bacha colocada c/grifería "FV"	m2.	1.00	843,900	843,900	999,581	999,581	2,479,400	2,479,400	1,500,000	1,500,000		1,800,000	1,800,000
27	Limpieza final	gl.	1.00	863,300	863,300	425,920	425,920	550,000	550,000	1,380,000	1,380,000		500,000	500,000
TOTAL					29,528,999		28,913,869		47,165,188		34,593,369			29,714,050

LOTE Nº 2
Escuela Básica N° 572 - John F. Kennedy
Obra: Construcción de Aulas con Galería

EMPRESA:				NESTOR ZARZA		ARTURO KRANICH		Ing. Juan González E.		Winston Nuñez		MANAGEL S.A	H2F S.A.	
N°	RUBRO	UNIDAD	CANTIDAD	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL		P. UNITARIO	P. TOTAL
1	Preparación de la obra													
	a- Limpieza y preparación del terreno	m2	51.42	2,708	139,245	5,280	271,498	40,480	2,081,482	2,000	102,840		5,000	257,100
	b- Replanteo	m2	51.42	4,750	244,245	4,207	216,324	8,250	424,215	2,000	102,840		4,000	205,680
	c- Demolición de viga de HºAº saliente de cumbrera	gl.	1.00	261,250	261,250	118,892	118,892	98,670	98,670	138,000	138,000		250,000	250,000
2	Excavaciones											NO OFERTO		
	a- Excavación para carga de cimiento con PBC.	m3	7.20	44,650	321,480	41,184	296,525	40,480	291,456	40,000	288,000		320,000	2,304,000
	b- Excavación para zapatas aisladas	m3	5.00	63,650	318,250	41,184	205,920	40,480	202,400	40,000	200,000		60,000	300,000
3	Estructura de Hormigón Armado:													
	a- Zapatas de H° A°	m3	3.70	1,493,172	5,524,736	1,721,016	6,367,759	1,857,900	6,874,230	1,650,000	6,105,000		1,500,000	5,550,000
	b- Vigas y dado de H° A° (cumbrera)	m3	0.67	1,599,420	1,071,611	1,667,500	1,117,225	1,925,000	1,289,750	1,800,000	1,206,000		2,600,000	1,742,000

	c- Encadenados de H° A° 13x27cm. (Sup. e Inf.)	m3	1.80	1,465,128	2,637,230	1,548,044	2,786,479	1,848,000	3,326,400	1,800,000	3,240,000	1,700,000	3,060,000
	d- Vigas de Hormigón Armado (galería) (15cmx25cm)	m3	0.30	1,599,420	479,826	1,619,442	485,833	1,925,000	577,500	1,800,000	540,000	2,600,000	780,000
	e- Losa de H° A°	m3	0.15	1,465,926	219,889	1,775,532	266,330	2,186,250	327,938	1,800,000	270,000	1,500,000	225,000
	f- Pilares de H° A°	m3	1.30	1,566,360	2,036,268	1,741,080	2,263,404	2,186,250	2,842,125	1,800,000	2,340,000	2,000,000	2,600,000
	g- Muro de Contención de 0,30	m2	4.92	87,875	432,345	176,537	868,562	1,702,800	8,377,776	130,000	639,600	150,000	738,000
4	Muros de nivelación :												
	b- De 0,30 cm.	m2	6.00	107,540	645,240	135,321	811,926	150,150	900,900	135,000	810,000	130,000	780,000
5	Relleno y apisonado interior y exterior	m3	20.00	84,835	1,696,700	63,360	1,267,200	123,860	2,477,200	70,000	1,400,000	50,000	1,000,000
6	Aislación asfáltica :												
	a- De paredes con panderete	m2	5.60	14,535	81,396	76,551	428,686	98,670	552,552	96,600	540,960	30,000	168,000
7	Muros de elevación :												
	a- De 0,15 para revocar	m2	28.00	77,995	2,183,860	75,994	2,127,832	87,780	2,457,840	68,000	1,904,000	70,000	1,960,000
	b- De 0,15 visto a una cara de ladrillos comunes	m2	47.00	88,540	4,161,380	81,554	3,833,038	88,660	4,167,020	75,000	3,525,000	90,000	4,230,000
	c- Envarillado bajo aberturas 2 Ø 8 por hilada (2 hiladas)	ml	10.00	28,899	288,990	29,159	291,590	29,194	291,940	25,000	250,000	20,000	200,000
8	Pilares :												
	a- De 0,37 x 0,37 visto para corredor c/ nucleo de Hº Aº 4 Ø de 6 m.m.	ml	4.80	68,932	330,874	121,337	582,418	79,750	382,800	165,600	794,880	200,000	960,000
9	Techo :												

NO OFERTO

	a- De tejas y tejuelones prensadas a maquina	m2	71.00	280,915	19,944,965	242,691	17,231,061	226,170	16,058,070	210,000	14,910,000	250,000	17,750,000
10	Revoques :												
	a- De paredes interiores y exteriores a una capa filtrado	m2	103.00	33,706	3,471,718	22,076	2,273,828	26,950	2,775,850	25,000	2,575,000	35,000	3,605,000
	b- De viga cumbrera de H° A°	m2	8.25	33,706	278,075	22,076	182,127	35,816	295,482	35,000	288,750	40,000	330,000
10	Contrapiso de H° de cascotes	m2	60.00	35,530	2,131,800	21,850	1,311,000	38,940	2,336,400	35,000	2,100,000	30,000	1,800,000
11	Piso de baldosa calcárea (20cmx20cm)	m2	60.00	68,799	4,127,940	64,705	3,882,300	71,500	4,290,000	60,000	3,600,000	70,000	4,200,000
12	Zócalo de baldosa calcárea	ml	33.00	14,820	489,060	19,629	647,757	25,300	834,900	24,840	819,720	25,000	825,000
13	Aberturas de madera:												
	a- Contramarco de madera	ml	5.50	14,725	80,988	15,244	83,842	39,160	215,380	16,560	91,080	20,000	110,000
	b- Puerta madera de 1,20 x 2,10 (incluye marcos y herrajes)	un	1.00	1,092,500	1,092,500	1,311,268	1,311,268	1,815,000	1,815,000	1,000,000	1,000,000	1,500,000	1,500,000
14	Aberturas metálicas :												
	a- Ventanas tipo balancines (1,20x1,50)	m2	9.00	239,400	2,154,600	299,000	2,691,000	282,480	2,542,320	500,000	4,500,000	350,000	3,150,000
15	Pinturas :												
	a- De paredes al látex sin enduido	m2	103.00	31,730	3,268,190	19,541	2,012,723	13,530	1,393,590	24,000	2,472,000	15,000	1,545,000
	b- De viga cumbrera al látex sin enduido	m2	8.25	35,720	294,690	19,541	161,213	14,850	122,513	40,020	330,165	20,000	165,000

NO OFERTO

NO OFERTO

	c- De aberturas metálicas con pintura sintética	m2	9.00	21,850	196,650	28,466	256,194	32,482	292,338	28,000	252,000		30,000	270,000
	d- De abertura de madera con barniz	m2	5.50	14,725	80,988	40,250	221,375	18,700	102,850	24,840	136,620		20,000	110,000
16	Instalación sanitaria :													
17	Vidrios triples	m2	9.00	83,410	750,690	73,370	660,330	202,086	1,818,774	120,000	1,080,000		150,000	1,350,000
18	Instalación eléctrica													
	a- Puntos y Tomas	un.	7.00	63,365	443,555	77,187	540,309	86,790	607,530	93,840	656,880	NO OFERTO	100,000	700,000
	b- Circuito Ventilador de Techo	un.	2.00	63,365	126,730	74,547	149,094	104,940	209,880	89,700	179,400		250,000	500,000
	c- Tablero Seccional c/6 llaves T.M.	un.	1.00	465,690	465,690	555,060	555,060	935,000	935,000	545,100	545,100		300,000	300,000
	d- Provisión y colocación de ventilador de 56"	un.	2.00	252,225	504,450	372,240	744,480	434,500	869,000	276,000	552,000		500,000	1,000,000
	e- Provisión y coloc. de artef. tipo fluorescente 3x40	un.	4.00	93,670	374,680	73,205	292,820	249,268	997,072	110,400	441,600		180,000	720,000
	f- Provisión y coloc. de artef. tipo fluorescente 1x40	un.	2.00	43,130	86,260	46,585	93,170	96,354	192,708	35,190	70,380		120,000	240,000
19	Limpieza final	gl.	1.00	997,500	997,500	425,920	425,920	550,000	550,000	240,075	240,075		300,000	300,000
	TOTAL				64,436,534		60,334,311		77,198,850		61,237,890			67,779,780

OTE Nº 3
scuela Básica Nº 7.381 "Las Delicias"
)BRA: CONSTRUCCION DE AULA CON GALERIA Y SANITARIOS (PREESCOLAR)

EMPRESA:	NESTOR ZARZA	ARTURO KRANICH	Ing. Juan González E.	Winston Nuñez	MANAGEL S.A	H2F S.A.

	RUBRO	UNIDAD	CANTIDAD	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL
1	Preparación de la obra														
	a- Limpieza y preparación del terreno	m2	85.00	2,708	230,180	6,336	538,560	38,940	3,309,900	3,000	255,000	5,500	467,500	5,000	425,000
	b- Replanteo	m2	81.39	4,750	386,603	4,207	342,408	8,250	671,468	3,000	244,170	6,500	529,035	4,000	325,560
2	**Excavaciones**														
	a-Excavación para carga de cimiento c/ P.B.C	m3	18.00	44,650	803,700	41,184	741,312	40,480	728,640	55,000	990,000	48,500	873,000	35,000	630,000
	b- Excavación para zapatas aisladas	m3	4.00	44,650	178,600	41,184	164,736	40,480	161,920	55,000	220,000	48,500	194,000	60,000	240,000
3	**Cimiento**														
	a-Cimiento de piedra bruta colocada (0,40 x0,50)	m3	18.00	250,515	4,509,270	233,825	4,208,850	313,500	5,643,000	280,000	5,040,000	228,000	4,104,000	320,000	5,760,000
4	Estructura de H° A° :														
	a- Zapatas	m3	0.50	1,493,172	746,586	1,664,586	832,293	1,857,900	928,950	1,800,000	900,000	1,450,000	725,000	1,500,000	750,000
	b- Encadenado H°A° (inferior) de H° A° (13cm x 30cm.)	ml.	43.07	92,340	3,977,084	69,771	3,005,037	73,480	3,164,784	110,000	4,737,700	98,500	4,242,395	50,000	2,153,500
	c- Encadenado H°A° (superior) de H° A° (13cm x 30cm.)	ml.	37.11	92,340	3,426,737	69,771	2,589,202	74,580	2,767,664	110,000	4,082,100	98,500	3,655,335	60,000	2,226,600
	d- Losa de H° A°	m3	0.13	1,465,926	190,570	1,708,212	222,068	2,186,250	284,213	1,800,000	234,000	1,450,000	188,500	1,600,000	208,000
	e- Pilares de H° A°	m3	1.88	1,566,360	2,944,757	1,673,760	3,146,669	2,186,250	4,110,150	1,800,000	3,384,000	1,450,000	2,726,000	2,000,000	3,760,000
	f- Viga de H° A° en galeria	m3	0.30	1,599,420	479,826	1,552,122	465,637	1,925,000	577,500	1,800,000	540,000	1,450,000	435,000	2,600,000	780,000
5	**Muros de Nivelación h=0,50**														
	a- De 0,30 cm.	m2	17.15	107,540	1,844,311	130,592	2,239,653	150,150	2,575,073	130,000	2,229,500	148,500	2,546,775	130,000	2,229,500
	Relleno y apisonado de interiores	m3	32.30	84,835	2,740,171	63,360	2,046,528	123,860	4,000,678	90,000	2,907,000	65,800	2,125,340	50,000	1,615,000

7	**Aislación Asfaltica de Muros:**														
	a- De 0,15- Horizontal c/panderete	m2	8.43	14,535	122,530	83,129	700,777	98,670	831,788	90,000	758,700	83,500	703,905	30,000	252,900
	b- De 0,30- Horizontal	m2	4.20	23,180	97,356	95,513	401,155	104,940	440,748	20,000	84,000	128,500	539,700	20,000	84,000
	c- De canteros	m2	5.25	23,180	121,695	93,733	492,098	98,670	518,018	25,000	131,250	85,000	446,250	20,000	105,000
8	**Muros de elevación :**														
	a- De 0,15 visto 1 cara de ladrillo común	m2	76.00	88,540	6,729,040	76,904	5,844,704	87,780	6,671,280	70,000	5,320,000	78,500	5,966,000	90,000	6,840,000
	b- De 0,15 de ladrillos comunes para revoque	m2	37.00	58,995	2,182,815	74,775	2,766,675	88,660	3,280,420	65,000	2,405,000	75,500	2,793,500	70,000	2,590,000
	c- De 0,30 visto 1 cara de ladrillos comunes	m2	56.00	109,440	6,128,640	144,126	8,071,056	134,640	7,539,840	130,000	7,280,000	128,500	7,196,000	150,000	8,400,000
	d- Envarillado bajo aberturas 2 Ø 8 por hilada (2 hiladas)	ml	40.25	9,158	368,610	28,188	1,134,567	29,194	1,175,059	24,000	966,000	26,500	1,066,625	20,000	805,000
9	**Pilares :**														
	a- De 0,45 x 0,45 visto para corredor c/ nucleo de HºAº 4 Ø de 6 mm.	ml	12.00	74,765	897,180	77,085	925,020	95,150	1,141,800	80,000	960,000	118,500	1,422,000	200,000	2,400,000
10	**Techo :**														
	a- De Chapa Trapezoidal con estructura metálica y membrana Isolant	m2	95.00	210,425	19,990,375	184,722	17,548,590	208,670	19,823,650	150,000	14,250,000	215,000	20,425,000	280,000	26,600,000
	b- Cenfa de chapa Nº26 desarrollo 80cm	ml	20.00	118,940	2,378,800	40,788	815,760	135,740	2,714,800	150,000	3,000,000	125,000	2,500,000	150,000	3,000,000
	c- Cielorraso de PVC en aula	m2	57.00	76,285	4,348,245	151,955	8,661,435	112,860	6,433,020	90,000	5,130,000	79,800	4,548,600	70,000	3,990,000

	d- Cielorraso de PVC en galería	m2	19.00	76,285	1,449,415	151,955	2,887,145	115,830	2,200,770	90,000	1,710,000	79,800	1,516,200	70,000	1,330,000
11	**Revoque**														
	a-Revoque interior c/hidrofugo , fratachado y filtrado	m2	157.00	33,706	5,291,842	25,772	4,046,204	26,950	4,231,150	25,000	3,925,000	33,500	5,259,500	35,000	5,495,000
	b-Revoque exterior, Pilares, y sobre el dintel. c/hidrofugo , fratachado y filtrado (ver detalles).	m2	70.00	33,706	2,359,420	25,772	1,804,040	35,816	2,507,120	27,000	1,890,000	33,500	2,345,000	35,000	2,450,000
12	Contrapiso de H° de cascotes - h=10 cm.	m2	139.00	35,530	4,938,670	21,850	3,037,150	38,060	5,290,340	40,000	5,560,000	34,500	4,795,500	35,000	4,865,000
13	**Piso en aula**														
	a- Baldosa Calcárea en aula (20cm x 20cm)	m2	57.00	68,799	3,921,543	63,946	3,644,922	71,500	4,075,500	65,000	3,705,000	63,500	3,619,500	70,000	3,990,000
	b- Zócalo calcáreos	ml.	56.00	14,820	829,920	18,027	1,009,512	25,300	1,416,800	20,000	1,120,000	21,500	1,204,000	25,000	1,400,000
14	**Piso en galería**														
	a- Baldosa Calcárea (20cmx20cm)	m2	14.00	68,799	963,186	63,946	895,244	61,950	867,300	65,000	910,000	63,500	889,000	70,000	980,000
	b- Zócalo	ml	15.00	14,820	222,300	18,027	270,405	29,190	437,850	20,000	300,000	21,500	322,500	15,000	225,000
15	**Vereda, guarda obra ancho 1,5 m. junta c/ 1,5m**														
	a- Contrapiso de H° de cascotes - h=10 cm.	m2	65.00	26,600	1,729,000	21,850	1,420,250	35,310	2,295,150	40,000	2,600,000	34,500	2,242,500	35,000	2,275,000
	b-Alisado de cemento	m2	65.00	26,980	1,753,700	36,797	2,391,805	40,150	2,609,750	28,000	1,820,000	21,500	1,397,500	60,000	3,900,000
16	**Colocación de aberturas de madera:**														

	a- Contramarco de madera	ml	20.00	8,265	165,300	15,244	304,880	39,160	783,200	8,000	160,000	13,500	270,000	15,000	300,000
	b- De marco 0,15 y puerta de 0,80 x 2,10 tablero	un	1.00	1,036,925	1,036,925	1,184,768	1,184,768	1,815,000	1,815,000	1,200,000	1,200,000	1,150,000	1,150,000	1,500	1,500
	c- De marco 0,15 y puerta para boxes baño 0,60 x 1,20	un	2.00	502,930	1,005,860	931,768	1,863,536	1,382,040	2,764,080	800,000	1,600,000	650,000	1,300,000	60,000	120,000
17	**Colocación de Aberturas Metalicas:**														
	a- Ventanas tipo balancín de 1.50 x 1,00	m2	4.50	239,400	1,077,300	299,000	1,345,500	282,480	1,271,160	650,000	2,925,000	385,000	1,732,500	350,000	1,575,000
	b- Ventanas tipo balancín de 1.50 x 1,70	m2	10.20	239,400	2,441,880	299,000	3,049,800	282,480	2,881,296	700,000	7,140,000	385,000	3,927,000	350,000	3,570,000
	c- Marco y Puerta 1,30 x 2,50 (2 hojas)	un	1.00	1,187,500	1,187,500	1,385,245	1,385,245	1,929,620	1,929,620	1,800,000	1,800,000	1,650,000	1,650,000	1,500,000	1,500,000
	d- Rejas de hierro amurado c/antioxido	m2	14.60	242,155	3,535,463	323,714	4,726,224	336,160	4,907,936	300,000	4,380,000	165,000	2,409,000	300,000	4,380,000
18	**Alfeizar de ventanas :**														
	a- De revoque 1 : 3 (cemento - arena)	ml	45.00	29,213	1,314,585	27,025	1,216,125	38,500	1,732,500	25,000	1,125,000	22,500	1,012,500	15,000	675,000
19	**Pinturas :**														
	a- De paredes al látex sin enduido	m2	169.00	21,470	3,628,430	20,190	3,412,110	15,950	2,695,550	20,000	3,380,000	26,500	4,478,500	15,000	2,535,000
	b- De ladrillos vistos con antimoho incoloro	m2	132.00	15,010	1,981,320	11,500	1,518,000	21,780	2,874,960	20,000	2,640,000	23,500	3,102,000	15,000	1,980,000
	c- De aberturas metálicas con pintura sintética	m2	21.20	21,850	463,220	28,466	603,479	32,482	688,618	25,000	530,000	28,500	604,200	15,000	318,000

	d- De abertura de madera con barniz (boxes y depósito)	m2	7.00	14,725	103,075	40,250	281,750	18,700	130,900	22,000	154,000	22,500	157,500	30,000	210,000
	e- De Cenefas, canaletas y bajadas con esmalte sintético	ml	42.00	15,960	670,320	16,750	703,500	21,582	906,444	25,000	1,050,000	28,500	1,197,000	20,000	840,000
	f- De rejas metalicas con pintura sintética	m2	14.60	21,850	319,010	24,512	357,875	32,482	474,237	25,000	365,000	28,500	416,100	10,000	146,000
20	Vidrios triples	m2	14.70	83,410	1,226,127	73,370	1,078,539	202,086	2,970,664	150,000	2,205,000	84,000	1,234,800	150,000	2,205,000
21	**Instalación Pluvial**														
	a- Canaleta y Bajada N° 26 - desarrollo 50cm.	ml	41.00	87,685	3,595,085	66,550	2,728,550	104,422	4,281,302	70,000	2,870,000	68,500	2,808,500	70,000	2,870,000
22	**Instalación eléctrica**														
	a-Línea subterránea trifásica con de 6 a 10 mm	ml	20.00	35,530	710,600	38,676	773,520	82,186	1,643,720	35,000	700,000	38,500	770,000	100,000	2,000,000
	b-Puntos y tomas	un	12.00	63,365	760,380	77,187	926,244	86,790	1,041,480	80,000	960,000	78,500	942,000	100,000	1,200,000
	c-Circuito Ventilador de techo	un	2.00	63,365	126,730	149,094	298,188	104,940	209,880	90,000	180,000	100,000	200,000	150,000	300,000
	d-Tablero seccional c/6 llaves TM.	un	1.00	370,500	370,500	555,060	555,060	935,000	935,000	700,000	700,000	435,000	435,000	300,000	300,000
	e-Provisión y coloc. de artef. Tipo florecente 3 x 40	un	4.00	93,670	374,680	292,820	1,171,280	249,268	997,072	200,000	800,000	105,000	420,000	200,000	800,000
	f-Provisión y coloc. de artef. Tipo florecente 1 x 40	un	5.00	43,130	215,650	46,585	232,925	96,354	481,770	65,000	325,000	53,500	267,500	100,000	500,000
	g-Provisión y coloc. de Ventilador de Techo	un	2.00	252,225	504,450	372,240	744,480	434,500	869,000	400,000	800,000	315,000	630,000	600,000	1,200,000

	Revestimiento														
	a- Azulejos blancos 20 x 30 h= 2,0 en sanitarios	m2.	28.00	74,860	2,096,080	55,044	1,541,232			75,000	2,100,000	68,500	1,918,000	70,000	1,960,000
23	**Instalacion Sanitaria**														
	a-Alimentacion de Agua corriente fria	un	3.00	180,500	541,500	445,486	1,336,458	259,600	778,800	500,000	1,500,000	385,000	1,155,000	500,000	1,500,000
	b-Desague cloacal hasta el primer registro	un	3.00	504,118	1,512,354	580,982	1,742,946	400,400	1,201,200	400,000	1,200,000	350,000	1,050,000	700,000	2,100,000
	c-Camara de Inspeccion 30x30 inst. pluvial	un	7.00	234,650	1,642,550	224,538	1,571,766	620,620	4,344,340	300,000	2,100,000	295,000	2,065,000	200,000	1,400,000
	d-Camara de Inspeccion 40x40	un	2.00	308,750	617,500	314,120	628,240	845,900	1,691,800	320,000	640,000	315,000	630,000	250,000	500,000
	e-Caño PVC 100mm	ml.	60.00	31,065	1,863,900	8,385	503,100	39,820	2,389,200	28,000	1,680,000	28,500	1,710,000	20,000	1,200,000
	f-Artefactos sanitarios (2) inodoros colocados	un	2.00	410,780	821,560	431,910	863,820	480,150	960,300	524,000	1,048,000	485,000	970,000	600,000	1,200,000
	g-Mesada granítica reconst. con 3 bacha colocada c/grifería "FV"	m2.	1.00	1,757,500	1,757,500	999,581	999,581	2,479,400	2,479,400	1,500,000	1,500,000	1,150,000	1,150,000	1,200,000	1,200,000
24	**Mobiliarios :**														
	a- Pizarrones	un	1.00	910,100	910,100	575,000	575,000	1,232,000	1,232,000	750,000	750,000	1,850,000	1,850,000	1,000,000	1,000,000
25	Limpieza final	gl.	1.00	1,187,500	1,187,500	425,920	425,920	550,000	550,000	1,000,000	1,000,000	450,000	450,000	500,000	500,000
	TOTAL GENERAL				**129,047,610**		129,961,107		160,338,520		141,095,420		138,072,760		145,165,560

OTE Nº 4
SCUELA BASICA Nº 7.580 - COMUNIDAD INDIGENA MAKA - ITA PASO
)BRA: REACONDICIONAMIENTO DE SANITARIO

	EMPRESA:			**NESTOR ZARZA**		**ARTURO KRANICH**		**Ing. Juan González E.**		**Winston Nuñez**		**MANAGEL S.A**	**H2F S.A.**	
N°	**Descripcion**	**Unidad de Medida**	**Cantidad**	**Precio Unitario**	**Precio Total**	**Precio Unitario**	**Precio Total**	**Precio Unitario**	**Precio Total**	**Precio Unitario**	**Precio Total**		**Precio Unitario**	**Precio Total**

1	**Preparación de la obra**												
	a- Limpieza	m2	60.80	2,708	164,646	3,960	240,768	24,745	1,504,496	5,000	304,000	10,000	608,000
	b- Retiro de sanitarios a reemplazar (VER DETALLE)	un	9.00	13,775	123,975	21,120	190,080	23,836	214,524	12,000	108,000	500,000	4,500,000
	c- Demolición de azulejos existentes	gl.	1.00	560,025	560,025	99,092	99,092	242,400	242,400	690,000	690,000	800,000	800,000
2	**Aislación**												
	a- carpeta con hidrofugo	m2	25.00	22,325	558,125	27,393	684,825	55,896	1,397,400	28,000	700,000	30,000	750,000
	b- Muro de contención de 0,15- horizontal c/hidrófugo	ml	13.00	28,025	364,325	83,129	1,080,677	17,136	222,768	36,000	468,000	80,000	1,040,000
3	**Muros de elevación :**												
	a- De 0,15 visto 1 cara de ladrillo comun	m2	10.00	88,540	885,400	76,904	769,040	81,396	813,960	68,000	680,000	100,000	1,000,000
	b- De ladrillo convocó	m2	2.00	64,410	128,820	151,943	303,886	82,212	164,424	90,000	180,000	200,000	400,000
4	**Techo :**												
	a- Reacondicinamiento de techo existente	m2	63.70	64,505	4,108,969	91,170	5,807,529	88,790	5,655,923	130,000	8,281,000	150,000	9,555,000
	b- Cenfa de chapa Nº26 desarrollo 50cm	ml	14.00	64,505	903,070	27,720	388,080	115,140	1,611,960	100,000	1,400,000	150,000	2,100,000
13	**Piso en sanitarios**												
	a- Carpeta 2cm.	m2	26.00	27,930	726,180	27,393	712,218	25,654	667,004	34,500	897,000	20,000	520,000
	b- Piso cerámico (30cm x 30cm)	m2	26.00	72,580	1,887,080	76,544	1,990,144	69,589	1,809,314	85,000	2,210,000	60,000	1,560,000
	c- Zócalo cerámico	ml.	53.00	40,755	2,160,015	20,595	1,091,535	32,926	1,745,078	26,000	1,378,000	25,000	1,325,000
14	**Piso en galería**												
	a- Carpeta 2cm.	m2	28.00	27,930	782,040	27,393	767,004	25,654	718,312	34,500	966,000	20,000	560,000

	b- Piso cerámico (30cm x 30cm)	m2	28.00	72,580	2,032,240	76,544	2,143,232	69,589	1,948,492	85,000	2,380,000		60,000	1,680,00
	c- Zócalo cerámico	ml	61.20	40,755	2,494,206	20,595	1,260,414	32,926	2,015,071	26,000	1,591,200		25,000	1,530,00
16	**Colocación de aberturas de madera:**													
	a- Contramarco de madera	ml	10.00	14,725	147,250	15,244	152,440	35,956	359,560	16,560	165,600		20,000	200,000
	b- De marco 0,15 y puerta de 0,80 x 2,10 tablero	un	2.00	1,092,500	2,185,000	1,184,768	2,369,536	1,650,000	3,300,000	1,242,000	2,484,000		1,300,000	2,600,00
	c- Puertas para boxes en madera (incluye herrajes).	un	9.00	722,000	6,498,000	931,768	8,385,912	678,500	6,106,500	828,000	7,452,000		600,000	5,400,00
	d- Banco de madera (colocado) en sanitario de mujeres	m2	1.50	188,670	283,005	528,000	792,000	324,614	486,921	207,000	310,500		200,000	300,000
18	**Alfeizar de ventanas :**													
	a- De revoque 1 : 3 (cemento - arena)	ml	12.00	21,508	258,096	27,025	324,300	35,000	420,000	24,840	298,080		20,000	240,000
19	**Pinturas :**													
	a- De pared al látex interior sin enduido	m2	53.00	31,730	1,681,690	20,190	1,070,070	14,500	768,500	37,260	1,974,780		15,000	795,000
	b- De pilares revocado al látex	m2	10.60	31,730	336,338	20,190	214,014	14,790	156,774	23,460	248,676		15,000	159,000
	c- De ladrillos vistos con antimoho incoloro	m2	74.20	20,425	1,515,535	11,500	853,300	20,196	1,498,543	23,460	1,740,732		15,000	1,113,00
	d- De abertura de madera con barniz (principal y boxes)	m2	28.00	20,710	579,880	40,250	1,127,000	17,340	485,520	24,840	695,520	NO OFERTO	20,000	560,000

	e- De Cenefas, canaletas y bajadas con esmalte sintético	ml	14.00	26,790	375,060	16,750	234,500	20,196	282,744	30,360	425,040	10,000	140,000
	f- Banco de madera con barniz (baño de mujeres)	m2	1.50	20,710	31,065	40,250	60,375	30,396	45,594	24,840	37,260	20,000	30,000
21	**Instalación Pluvial**												
	a- Canaleta y Bajada N° 26 - desarrollo 50cm.	ml	32.00	75,620	2,419,840	66,550	2,129,600	95,800	3,065,600	82,800	2,649,600	70,000	2,240,000
22	**Instalación eléctrica**												
	a-Línea subterránea trifásica con de 4 a 10 mm	ml	50.00	72,865	3,643,250	38,729	1,936,450	75,400	3,770,000	89,700	4,485,000	60,000	3,000,000
	b-Puntos y tomas	un	8.00	78,185	625,480	77,187	617,496	78,900	631,200	93,840	750,720	100,000	800,000
	c-Tablero seccional c/6 llaves TM.	un	1.00	465,500	465,500	555,060	555,060	850,000	850,000	545,100	545,100	400,000	400,000
	d-Provisión y coloc. de artef. Tipo florecente 3 x 40	un	4.00	93,670	374,680	73,205	292,820	246,800	987,200	110,400	441,600	200,000	800,000
	e-Provisión y coloc. de artef. Tipo florecente 1 x 40	un	5.00	38,380	191,900	46,585	232,925	95,400	477,000	41,400	207,000	100,000	500,000
	e-Provisión y coloc. de artef. Ducha electrica	un	4.00	128,250	513,000	133,100	532,400	154,000	616,000	138,000	552,000	150,000	600,000
	Revestimiento												
	a- Azulejos blancos 20 x 30 h= 2,0 en sanitarios	m2	106.00	74,860	7,935,160	55,044	5,834,664	42,000	4,452,000	86,940	9,215,640	70,000	7,420,000
3	**Instalacion Sanitaria**												

	a-Alimentacion de Agua corriente fria (c/sanitario)	un	2.00	1,064,000	2,128,000	445,486	890,972	429,856	859,712	1,380,000	2,760,000		500,000	1,000,000
	b-Desague cloacal hasta el primer registro	un	5.00	504,118	2,520,590	580,982	2,904,910	367,640	1,838,200	386,400	1,932,000		500,000	2,500,000
	c-Camara séptica (según detalle)	un	1.00	937,365	937,365	949,402	949,402	2,604,184	2,604,184	1,173,000	1,173,000		3,500,000	3,500,000
	d- Pozo absorvente tipo 2,50 x 3,00	un	1.00	2,517,500	2,517,500	1,475,280	1,475,280	3,272,400	3,272,400	3,519,000	3,519,000		4,500,000	4,500,000
	e-Camara de Inspeccion 40x40	un	5.00	308,750	1,543,750	314,120	1,570,600	776,690	3,883,450	345,000	1,725,000		250,000	1,250,000
	f-Caño PVC 100mm	ml.	50.00	31,065	1,553,250	8,385	419,250	96,562	4,828,100	38,640	1,932,000		30,000	1,500,000
	g-Artefactos sanitarios (5) inodoros colocados	un	5.00	410,780	2,053,900	431,910	2,159,550	440,865	2,204,325	524,400	2,622,000		600,000	3,000,000
	h-Artefactos sanitarios (3) migitorios colocados	un	3.00	308,750	926,250	399,300	1,197,900	402,687	1,208,061	338,100	1,014,300		500,000	1,500,000
	i-Artefactos sanitarios (1) pileta de lavar (Hº ver detalle)	un	1.00	80,750	80,750	330,000	330,000	661,247	661,247	96,600	96,600		1,200,000	1,200,000
	j-Mesada granitica reconst. con 3 bachas colocada c/grifería "FV" (2 sanitarios)	m2.	2.50	1,045,000	2,612,500	999,581	2,498,953	2,276,540	5,691,350	1,021,200	2,553,000		1,500,000	3,750,000
	k- Canilla de bronce en lavadero	un	9.00	61,275	551,475	129,107	1,161,963	76,659	689,931	41,400	372,600		70,000	630,000
25	Limpieza final	gl.	1.00	1,045,000	1,045,000	425,920	425,920	500,000	500,000	500,000	500,000		500,000	500,000
	TOTAL GENERAL				**66,409,175**		**61,228,086**		**77,731,742**		**77,111,548**			**80,055,000**

LOTE Nº 5
ESCUELA BASICA Nº 7789 "NTRA. SEÑORA STELLA MARIS - SANTO DOMINGO"
Obra: Construcción de aula con galería y sanitarios (preescolar)

EMPRESA:				NESTOR ZARZA		ARTURO KRANICH		Ing. Juan González E.		Winston Nuñez		MANAGEL S.A.		H2F S.A.	
N°	DESCRIPCION	UNIDAD	CANTIDAD	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL	P. UNITARIO	P. TOTAL
1	**Preparación de la obra**														
	a- Limpieza y preparación del terreno	m2	100.00	2,708	270,800	6,336	633,600	33,220	3,322,000	2,000	200,000	5,500	550,000	5,000	500,000
	b- Replanteo	m2	81.39	4,750	386,603	4,207	342,408	8,250	671,468	2,000	162,780	6,500	529,035	4,000	325,560
2	**Excavaciones**														
	a-Excavación para carga de cimiento c/ P.B.C	m3	18.00	44,650	803,700	41,184	741,312	40,480	728,640	22,000	396,000	48,500	873,000	50,000	900,000
	b- Excavación para zapatas aisladas	m3	4.00	44,650	178,600	41,184	164,736	40,480	161,920	22,000	88,000	48,500	194,000	50,000	200,000
3	**Cimiento**														
	a-Cimiento de piedra bruta colocada (0,40 x0,50)	m3	18.00	223,915	4,030,470	233,825	4,208,850	313,500	5,643,000	230,000	4,140,000	228,000	4,104,000	320,000	5,760,000
4	**Estructura de H° A° :**														
	a- Zapatas	m3	0.50	1,493,172	746,586	1,664,586	832,293	1,857,900	928,950	1,700,000	850,000	1,450,000	725,000	1,500,000	750,000
	b- Encadenado H°A° (inferior y superior) de H° A° (13cm x 27cm.)	m3	3.15	1,600,750	5,042,363	1,548,044	4,876,339	1,265,000	3,984,750	1,700,000	5,355,000	1,450,000	4,567,500	1,600,000	5,040,000
	c- Losa de H° A°	m3	0.13	1,465,926	190,570	1,708,212	222,068	2,186,250	284,213	1,700,000	221,000	1,450,000	188,500	1,600,000	208,000
	d- Pilares de H° A°	m3	1.88	1,566,360	2,944,757	1,673,760	3,146,669	2,186,250	4,110,150	1,700,000	3,196,000	1,450,000	2,726,000	2,000,000	3,760,000
	e- Viga de H° A° en galeria	m3	0.30	1,599,420	479,826	1,552,122	465,637	1,925,000	577,500	1,700,000	510,000	1,450,000	435,000	2,600,000	780,000

5	**Muros de Nivelación h=0,50**														
	a- De 0,45 cm.	m2	6.10	161,310	983,991	132,629	809,037	150,150	915,915	180,000	1,098,000	154,500	942,450	180,000	1,098,000
	a- De 0,30 cm.	m2	17.15	126,540	2,170,161	130,592	2,239,653	150,150	2,575,073	120,000	2,058,000	148,500	2,546,775	150,000	2,572,500
6	Relleno y apisonado de interiores	m3	32.30	84,835	2,740,171	63,360	2,046,528	123,860	4,000,678	65,000	2,099,500	65,800	2,125,340	50,000	1,615,000
7	**Aislación Asfaltica de Muros:**														
	a- De 0,15- Horizontal c/panderete	m2	8.43	14,535	122,530	83,129	700,777	98,670	831,788	90,000	758,700	83,500	703,905	30,000	252,900
	b- De 0,30- Horizontal	m2	4.20	23,180	97,356	95,513	401,155	104,940	440,748	90,000	378,000	128,500	539,700	20,000	84,000
	c- De canteros	m2	5.25	23,180	121,695	93,733	492,098	98,670	518,018	70,000	367,500	85,000	446,250	20,000	105,000
8	**Muros de elevación :**														
	a- De 0,15 visto 1 cara de ladrillo comun	m2	76.00	88,540	6,729,040	76,904	5,844,704	87,780	6,671,280	68,000	5,168,000	78,500	5,966,000	90,000	6,840,000
	b- De 0,15 de ladrillos comunes para revoque	m3	37.00	77,995	2,885,815	74,775	2,766,675	88,660	3,280,420	65,000	2,405,000	75,500	2,793,500	80,000	2,960,000
	c- De 0,30 visto 1 cara de ladrillo comun	m2	56.00	137,940	7,724,640	144,126	8,071,056	134,640	7,539,840	120,000	6,720,000	128,500	7,196,000	150,000	8,400,000
	d- Envarillado bajo aberturas 2 Ø 8 por hilada (2 hiladas)	ml	40.25	28,899	1,163,185	28,188	1,134,567	29,194	1,175,059	24,000	966,000	26,500	1,066,625	20,000	805,000
9	**Pilares :**														
	a- De 0,45 x 0,45 para corredor c/ nucleo de Hº Aº 4 Ø de 6 mm.	ml	12.00	122,170	1,466,040	77,085	925,020	95,150	1,141,800	95,000	1,140,000	118,500	1,422,000	250,000	3,000,000
10	**Techo :**														

	a- De Chapa Trapezoidal con estructura metálica y membrana Isolant	m2	95.00	207,955	19,755,725	184,722	17,548,590	208,670	19,823,650	145,000	13,775,000	215,000	20,425,000	250,000	23,750,000
	b- Cenfa de chapa Nº26 desarrollo 80cm	ml	20.00	118,940	2,378,800	40,788	815,760	135,740	2,714,800	148,000	2,960,000	125,000	2,500,000	150,000	3,000,000
	c- Cielorraso de PVC en aula	m2	57.00	76,285	4,348,245	151,955	8,661,435	112,860	6,433,020	90,000	5,130,000	79,800	4,548,600	70,000	3,990,000
	d- Cielorraso de PVC en galería	m2	19.00	76,285	1,449,415	151,955	2,887,145	115,830	2,200,770	90,000	1,710,000	79,800	1,516,200	70,000	1,330,000
11	**Revoque**														
	a-Revoque interior c/hidrofugo , fratachado y filtrado	m2	157.00	33,706	5,291,842	25,772	4,046,204	26,950	4,231,150	28,000	4,396,000	33,500	5,259,500	35,000	5,495,000
	b-Revoque exterior, Pilares, y sobre el dintel. c/hidrofugo , fratachado y filtrado (ver detalles).	m2	70.00	33,706	2,359,420	25,772	1,804,040	35,816	2,507,120	28,000	1,960,000	33,500	2,345,000	35,000	2,450,000
12	Contrapiso de H° de cascotes - h=10 cm.	m2	139.00	35,530	4,938,670	21,850	3,037,150	38,060	5,290,340	29,000	4,031,000	34,500	4,795,500	35,000	4,865,000
13	**Piso en aula**														
	a- Baldosa Calcárea en aula (20cm x 20cm)	m2	57.00	68,799	3,921,543	63,946	3,644,922	61,950	3,531,150	65,000	3,705,000	63,500	3,619,500	70,000	3,990,000
	b- Zócalo calcáreos	ml.	56.00	14,820	829,920	18,027	1,009,512	29,190	1,634,640	24,000	1,344,000	21,500	1,204,000	25,000	1,400,000
14	**Piso en galería**														
	a- Baldosa Calcárea (20cmx20cm)	m2	14.00	68,799	963,186	63,946	895,244	64,900	908,600	65,000	910,000	63,500	889,000	70,000	980,000
	b- Zócalo	ml	15.00	14,820	222,300	18,027	270,405	30,580	458,700	24,000	360,000	21,500	322,500	25,000	375,000

15	**Vereda, guarda obra ancho 1,5 m. junta c/ 1,5m**														
	a- Contrapiso de H° de cascotes - h=10 cm.	m2	65.00	35,530	2,309,450	21,850	1,420,250	35,310	2,295,150	45,000	2,925,000	34,500	2,242,500	35,000	2,275,000
	b-Alisado de cemento	m3	65.00	17,480	1,136,200	36,797	2,391,805	40,150	2,609,750	27,000	1,755,000	21,500	1,397,500	60,000	3,900,000
16	**Colocación de aberturas de madera:**														
	a- Contramarco de madera	ml	59.40	14,725	874,665	15,244	905,494	37,380	2,220,372	15,000	891,000	13,500	801,900	10,000	594,000
	b- De marco 0,15 y puerta de 0,80 x 2,10 tablero	un	1.00	1,036,925	1,036,925	1,184,768	1,184,768	1,815,000	1,815,000	1,200,000	1,200,000	1,150,000	1,150,000	1,300,000	1,300,000
	c- De marco 0,15 y puerta para boxes baño 0,60 x 1,20	un	2.00	692,930	1,385,860	931,768	1,863,536	1,382,040	2,764,080	750,000	1,500,000	650,000	1,300,000	600,000	1,200,000
17	**Colocación de Aberturas Metalicas:**														
	a- Ventanas tipo balancín de 1.50 x 1,00	m2	7.50	239,400	1,795,500	299,000	2,242,500	282,480	2,118,600	450,000	3,375,000	385,000	2,887,500	350,000	2,625,000
	b- Ventanas tipo balancín de 1.50 x 1,70	m2	5.10	239,400	1,220,940	299,000	1,524,900	282,480	1,440,648	500,000	2,550,000	385,000	1,963,500	350,000	1,785,000
	c- Marco y Puerta 1,30 x 2,50 (2 hojas)	un	1.00	1,377,500	1,377,500	1,385,245	1,385,245	1,929,620	1,929,620	1,600,000	1,600,000	1,650,000	1,650,000	1,700,000	1,700,000
	d- Rejas de hierro amurado c/antioxido	m2	14.60	150,575	2,198,395	323,714	4,726,224	336,160	4,907,936	220,000	3,212,000	165,000	2,409,000	300,000	4,380,000
18	**Alfeizar de ventanas :**														
	a- De revoque 1 : 3 (cemento - arena)	ml	45.00	29,213	1,314,585	27,025	1,216,125	38,500	1,732,500	18,000	810,000	22,500	1,012,500	20,000	900,000
19	**Pinturas :**														

	a- De paredes al látex sin enduido	m2	169.00	31,730	5,362,370	20,190	3,412,110	15,950	2,695,550	22,000	3,718,000	26,500	4,478,500	15,000	2,535,000
	b- De ladrillos vistos con antimoho incoloro	m2	132.00	15,010	1,981,320	11,500	1,518,000	21,780	2,874,960	12,000	1,584,000	23,500	3,102,000	15,000	1,980,000
	c- De aberturas metálicas con pintura sintética	m2	19.10	21,850	417,335	28,466	543,701	32,482	620,406	12,000	229,200	28,500	544,350	30,000	573,000
	d- De abertura de madera con barniz (boxes y depósito)	m2	7.00	14,725	103,075	40,250	281,750	18,700	130,900	20,000	140,000	22,500	157,500	20,000	140,000
	e- De Cenefas, canaletas y bajadas con esmalte sintético	ml	42.00	15,960	670,320	16,750	703,500	21,582	906,444	18,000	756,000	28,500	1,197,000	10,000	420,000
	f- De rejas metalicas con pintura sintética	m2	14.60	21,850	319,010	24,512	357,875	32,482	474,237	20,000	292,000	28,500	416,100	30,000	438,000
20	Vidrios triples	m2	12.60	83,410	1,050,966	73,370	924,462	202,086	2,546,284	125,000	1,575,000	84,000	1,058,400	150,000	1,890,000
21	**Instalación Pluvial**														
	a- Canaleta y Bajada N° 26 - desarrollo 50cm.	ml	41.00	76,475	3,135,475	66,550	2,728,550	104,422	4,281,302	65,000	2,665,000	68,500	2,808,500	70,000	2,870,000
22	**Instalación eléctrica**														
	a-Línea subterránea trifásica con de 4 a 10 mm	ml	20.00	35,530	710,600	38,676	773,520	82,186	1,643,720	50,000	1,000,000	38,500	770,000	60,000	1,200,000
	b-Puntos y tomas	un	12.00	63,365	760,380	77,187	926,244	86,790	1,041,480	76,000	912,000	78,500	942,000	100,000	1,200,000
	c-Circuito Ventilador de techo	un	2.00	63,365	126,730	74,547	149,094	104,940	209,880	90,000	180,000	100,000	200,000	150,000	300,000
	d-Tablero seccional c/6 llaves TM.	un	1.00	465,690	465,690	555,060	555,060	935,000	935,000	650,000	650,000	435,000	435,000	300,000	300,000

	e-Provisión y coloc. de artef. Tipo florecente 3 x 40	un	4.00	93,670	374,680	73,205	292,820	249,268	997,072	200,000	800,000	105,000	420,000	200,000	800,000
	f-Provisión y coloc. de artef. Tipo florecente 1 x 40	un	5.00	43,130	215,650	46,585	232,925	96,354	481,770	60,000	300,000	53,500	267,500	100,000	500,000
	g-Provisión y coloc. de Ventilador de Techo	un	2.00	252,225	504,450	372,240	744,480	434,500	869,000	350,000	700,000	315,000	630,000	600,000	1,200,000
	Revestimiento														
	a- Azulejos blancos 20 x 30 h= 1,20 en sanitarios	m2.	28.00	74,860	2,096,080	55,044	1,541,232	56,680	1,587,040	70,000	1,960,000	68,500	1,918,000	70,000	1,960,000
23	**Instalacion Sanitaria**														
	a-Alimentacion de Agua corriente fria	un	3.00	1,064,000	3,192,000	445,486	1,336,458	259,600	778,800	500,000	1,500,000	385,000	1,155,000	500,000	1,500,000
	b-Desague cloacal hasta el primer registro	un	3.00	504,118	1,512,354	580,982	1,742,946	400,400	1,201,200	280,000	840,000	350,000	1,050,000	500,000	1,500,000
	c-Camara de Inspeccion 30x30 inst. pluvial	un	7.00	234,650	1,642,550	224,538	1,571,766	620,620	4,344,340	180,000	1,260,000	295,000	2,065,000	250,000	1,750,000
	d-Camara de Inspeccion 40x40	un	2.00	308,750	617,500	314,120	628,240	845,900	1,691,800	250,000	500,000	315,000	630,000	300,000	600,000
	e-Caño PVC 100mm	ml.	60.00	31,065	1,863,900	8,385	503,100	39,820	2,389,200	22,000	1,320,000	28,500	1,710,000	30,000	1,800,000
	f-Artefactos sanitarios (2) inodoros colocados	un	2.00	410,780	821,560	431,910	863,820	480,150	960,300	300,000	600,000	485,000	970,000	600,000	1,200,000
	g-Mesada granítica reconst. con 3 bacha colocada c/grifería "FV"	m2.	1.00	1,045,000	1,045,000	999,581	999,581	2,479,400	2,479,400	1,000,000	1,000,000	1,150,000	1,150,000	1,500,000	1,500,000
24	**Mobiliarios :**														

	a- Pizarrones	un	1.00	910,100	910,100	575,000	575,000	1,232,000	1,232,000	700,000	700,000	1,850,000	1,850,000	1,0
25	Limpieza final	gl.	1.00	1,187,500	1,187,500	425,920	425,920	550,000	550,000	252,288	252,288	450,000	450,000	50
TOTAL GENERAL					**133,474,578**		128,878,588		160,992,889		123,809,968		**135,254,630**	