ALCALDÍA MAYOR DE CARTAGENA DE INDIAS
SECRETARÍA DE EDUCACIÓN DISTRITAL
OFICINA DE INFRAESTRUCTURA EDUCATIVA

ALCANCE: REPARACIÓN LOCATIVA DE AMBIENTES DE APRENDIZAJE EN LA INSTITUCION EDUCATIVA SOLEDAD ACOSTA DE SAMPER SEDE EMILIANO ALCALÁ

PRESUPUESTO DE OBRA						CONDICIONES ACTUALIZADAS				ACTA 1		ACTA 2		ACUMULADO		SALDO	
ITEM	ID	DESCRIPCION	CANT	UNIDAD	VR. UNITARIO	VR. PARCIAL	CANTI	UNID	VLR UNIT	VLR TOTAL	CANTIDAD1	VLR PARCIAL 1	CANTIDAD 2	VLR PARCIAL2	CANT ACUM	VLR PARCIALACUM	CANTIDAD3	VLR PARCIAL3
1	1	**PRELIMINARES**	-			$10,239,048.00				$ 10,032,793.00		$ 8,515,632.00	$ -	$ 1,516,870.0000		$ 10,032,702.00		$ -
1.01	1	Demolición Vigas y Columnas 15 a 40	10.57	ml	$35,754	$377,900.00	30.17	ml	$35,754.00	$1,078,698.00	10.57	$377,920.00	19.60	$ 700,778.0000	30.17	1,078,698.00	0.00	-
1.04	1	Desmonte de Cubierta ondulada en asbesto cemento. Incluye estructura de soporte	80.36	m2	$18,706	$1,503,214.00	80.36	m2	$18,706.00	$1,503,177.00	80.36	$1,503,177.00	-	$ -	80.36	1,503,177.00	0.00	-
1.05	1	Desmonte Cielo Raso	181.52	m2	$12,256	$2,225,039.00	181.52	m2	$12,256.00	$2,225,042.00	181.52	$2,225,042.00	-	$ -	181.52	2,225,042.00	0.00	-
1.06	1	Picada de Enchape de piso.	218.96	m2	$10,554	$2,310,904.00	143.54	m2	$10,554.00	$1,514,911.00	134.18	$1,416,125.00	9.360,00	$ 98,788.0000	143.54	1,514,911.00	0.00	-
1.07	1	Demolición de planitta de nivelación espesor variable	10.35	m2	$10,554	$109,224.00	10.35	m2	$10,554.00	$109,224.00	0.00	$0.00	10.35	$ 109,224.0000	10.35	109,224.00	0.00	-
1.08	1	Demolición de aticetas	88.46	ml	$5,108	$451,854.00	52.96	ml	$5,108.00	$270,520.00	52.96	$270,520.00	-	$ -	52.96	270,520.00	0.00	-
1.10	1	Desmonte de tomacorrientes e interruptores	7.00	un	$4,961	$34,727.00	7.00	un	$4,961.00	$34,727.00	7.00	$34,727.00	-	$ -	7.00	34,727.00	0.00	-
1.14	1	Desmonte de Puertas, inc. Marco	3.00	un	$30,331	$90,993.00	3.00	un	$30,331.00	$90,993.00	3.00	$90,993.00	-	$ -	3.00	90,993.00	0.00	-
1.15	1	Desmonte de Cielos metalicos y ventanas	2.00	un	$49,135	$98,270.00	2.00	un	$49,135.00	$98,270.00	2.00	$98,270.00	-	$ -	2.00	98,270.00	0.00	-
1.16	1	Demolición de Muros e= 0.10-0.15	97.53	m2	$15,098	$1,472,508.00	115.13	m2	$15,098.00	$1,738,552.00	97.53	$1,472,508.00	17.60	$ 265,728.0000	115.13	1,738,552.00	0.00	-
1.17	1	Desmonte de abanicos	14.00	un	$11,862	$166,068.00	14.00	un	$11,862.00	$166,068.00	14.00	$166,068.00	-	$ -	14.00	166,068.00	0.00	-
1.18	1	Desmonte de luminarias	24.00	un	$11,862	$284,688.00	24.00	un	$11,862.00	$284,688.00	24.00	$284,688.00	-	$ -	24.00	284,688.00	0.00	-
1.27	1	Demolición de pañete.	89.55	m2	$11,328	$1,013,975.00	72.29	m2	$11,328.00	$818,528.00	51.31	$579,794.00	21.00	$ 238,734.0000	72.289	818,528.00	0.00	-
1.30	1	Retiro de impermeabilización (Incluye limpieza con hidrolavadora).	10.35	m2	$10,011	$103,614.00	10.35	m2	$10,011.00	$103,614.00	0.00	$0.00	10.35	$ 103,614.0000	10.35	103,614.00	0.00	-
2	1	**CIMENTACIÓN Y ESTRUCTURA**	-			$32,836,122.00				$ 30,329,787.00		$ 22,328,544.00	50.00	$ 8,001,343.0000		$30,329,787.00	0.00	50.00
2.01	1	Excavación Común	1.20	m3	$35,880	$43,062.00	1.20	m3	$35,895.00	$43,062.00	1.20	$43,062.00	-	$ -	1.20	43,062.00	0.00	-
2.04	1	Acero de Refuerzo.	841.00	Kg	$7,257	$6,103,137.00	898.83	Kg	$7,257.00	$6,522,794.00	841.00	$6,103,137.00	57.83	$ 419,657.0000	898.83	6,522,794.00	0.00	-
2.06	1	Concreto Viga de Amarre Inferior 3000psi	0.63	m3	$683,756	$430,766.00	0.98	m3	$683,754.00	$671,448.00	0.63	$430,766.00	0.35	$ 240,682.0000	0.98	671,448.00	0.00	-
2.07	1	Concreto Columna. 3000psi	1.05	m3	$1,221,551	$1,282,629.00	1.50	m3	$1,221,551.00	$1,826,219.00	1.05	$1,276,521.00	0.45	$ 549,698.0000	1.50	1,826,219.00	0.00	-
2.08	1	Concreto Viga Superiores. 3000psi	0.24	m3	$771,396	$185,135.00	0.24	m3	$771,396.50	$185,135.00	0.24	$185,135.00	-	$ -	0.24	185,135.00	0.00	-
2.13	1	Viga de Amarre Inf. 15x25 4Ø5/8" cros 3/8" c.20 para mampostería.	10.57	ml	$762,943	$8,064,308.00	10.57	ml	$762,943.00	$8,064,308.00	10.57	$8,064,308.00	-	$ -	10.57	8,064,308.00	0.00	-
2.14	1	Viga de Amarre Sup. 15x25 4Ø5/8" cros 3/8" c.20	21.81	ml	$762,943	$16,639,787.00	16.96	ml	$762,943.00	$12,938,513.00	8.16	$6,225,615.00	8.80	$ 6,713,898.0000	16.96	12,939,513.00	0.00	-
2.18	1	Solado en concreto 3500psi, e=0.08m.	2.00	m2	$38,654	$77,308.00	2.00	m2	$38,654.00	$77,308.00	0.00	$0.00	2.00	$ 77,308.0000	2.00	77,308.00	0.00	-
3	1	**CUBIERTA**	-			$4,964,019.00				$ 4,327,695.00		$ 2,093,760.00	50.00	$ 2,232,935.0000		$4,327,695.00	0.00	50.00
3.03	1	Redolsón en Concreto 10x15m	13.16	ml	$30,914	$406,828.00	13.16	ml	$30,914.00	$406,828.00	5.00	$154,570.00	8.16	$ 252,258.0000	13.16	406,828.00	0.00	-
3.04	1	Impermeabilización Viga Collotes y Redolsones	23.51	ml	$48,152	$1,132,054.00	23.51	ml	$48,152.00	$1,132,054.00	0.00	$0.00	23.51	$ 1,132,054.0000	23.51	1,132,054.00	0.00	-
3.07	1	Suministro e instalación de manto asfaltico impermeabilizante 3 mm x 10 m2 foil de aluminio (Emulsión asfaltica con acelico y fibras, instalación con soplete)	13.51	m2	$47,808	$646,324.00	0.00	m2	$47,808.00	$0.00	0.00	$0.00	-	$ -	-	$ -	0.00	-
3.13	1	Reinstalacion de cubierta en asbesto cemento ondulada. Incluye estructura de soporte	80.36	m2	$34,704	$2,788,813.00	80.36	m2	$34,704.00	$2,788,813.00	56.88	$1,959,190.00	24.4820	$ 849,623.0000	80.36	2,788,813.00	0.00	-
4	1	**MAMPOSTERIA, PAÑETES Y ACABADOS**	-			$48,113,354.00				$ 42,056,713.00		$ 15,474,726.00	-	$ 26,581,987.0000		$42,056,713.00		50.00
4.01	1	Levante en Block # 4	54.60	m2	$58,473	$3,192,626.00	54.60	m2	$58,473.00	$3,192,626.00	54.60	$3,192,626.00	-	$ -	54.60	3,192,626.00	0.00	-
4.03	1	Levante en Block # 6, ref. En mortero y reforzado @1/2	30.00	m2	$98,661	$2,959,830.00	50.24	m2	$98,661.00	$4,956,729.00	30.00	$2,959,830.00	20.24	$ 1,996,899.0000	50.24	4,956,729.00	0.00	-
4.08	1	Suministro y aplicación de Emulsión Asfaltica o similar	126.04	m2	$16,676	$2,101,927.00	130.72	m2	$16,676.00	$2,049,314.00	86.70	$1,359,031.00	44.00	$ 690,183.0000	130.70	2,049,214.00	0.00	-
4.09	1	Pañete 1:4 e = 0.03 Impermeabilizado	790.05	m2	$31,023	$24,999,221.00	333.66	m2	$31,023.00	$10,351,196.00	193.46	$6,000,996.00	140.25	$ 4,350,200.0000	333.66	10,351,196.00	0.00	-
4.12	1	Sum e Inst. Cielo Raso en Vinilo PVC	181.52	m3	$84,731	$15,380,371.00	181.52	m3	$84,731.00	$15,380,371.00	0.00	$0.00	181.52	$ 15,380,371.0000	181.52	15,380,371.00	0.00	-
4.14	1	Preparación de superficie (Remoción de pegas rebobos y acabado liso para instalación de enchape).	208.41	m2	$14,828	$3,091,269.00	136.73	m2	$14,828.00	$2,027,477.00	90.29	$1,339,806.00	46.44	$ 688,672.0000	136.73	2,027,477.00	0.00	-
4.15	1	Levante en Block # 6	22.80	m2	$46,811	$1,067,350.00	13.32	m2	$46,811.00	$623,438.00	13.32	$623,438.00	-	$ -	13.32	623,438.00	0.00	-
4.16	1	Enchape en muros	24.33	m2	$142,855	$3,475,662.00	24.33	m2	$142,855.00	$3,475,662.00	0.00	$0.00	24.33	$ 3,475,662.0000	24.33	3,475,662.00	0.00	-
5	1	**PISOS Y ZOCALOS**	-			$15,232,541.00				$ 11,542,366.00		$ -	$ -	$ 465,181.0000		$ 465,181.00	0.00	$ 11,078,185.00
5.03	1	Plantilla Concreto 3000psi e=0.05m	10.35	m2	$44,945	$465,181.00	51.93	m2	$44,945.00	$2,333,994.00	0.00	$0.00	10.35	$ 465,181.0000	10.35	465,181.00	41.58	$ 1,868,813.00
5.06	1	Zocalo en Cerámica 10x30	115.76	ml	$27,259	$3,155,502.00	78.12	ml	$27,259.00	$2,129,473.00	0.00	$0.00	-	$ -	-	$ -	78.12	$ 2,129,473.00
5.07	1	Piso en cerámica 55.2x55.2	208.61	m2	$55,663	$11,611,858.00	127.19	m2	$55,663.00	$7,079,899.00	0.00	$0.00	-	$ -	-	$ -	127.19	$ 7,079,899.00
6	1	**PINTURAS**	-			$27,489,457.00				$ 32,436,068.00		$ 7,820,737.00	$ -	$ 18,972,712.0000		$ 26,793,449.00	0.00	$ 5,642,619.00
6.01	1	Pintura Vinilo (2 manos, incluye retiro de estuco y pintura de pintura existente)	719.80	m2	$15,437	$11,111,353.00	999.79	m2	$15,437.00	$15,433,758.00	373.46	$5,765,161.00	522.11	$ 8,059,753.0000	895.57	13,824,914.00	104.22	$ 1,608,844.00
6.03	1	Pintura Exterior (2 manos, incluye retiro de estuco y pintura de pintura existente)	431.54	m2	$21,677	$9,350,953.00	441.35	m2	$21,677.00	$9,565,359.00	94.83	$2,055,576.00	214.04	$ 4,639,745.0000	308.87	6,695,321.00	132.48	$ 2,870,038.00
6.04	1	Pintura en Esmalte Superlavable (2 manos, incluye retiro de estuco y pintura de pintura existente).	452.43	m2	$16,482	$7,456,951.00	452.43	m2	$16,482.00	$7,456,951.00	0.00	$0.00	380.61	$ 6,273,214.0000	380.61	6,273,214.00	71.82	$ 1,183,737.00
7	1	**INSTALACIONES ELECTRICAS**	-			$16,871,435.00				$ 16,871,435.00		$ 2,043,325.00	$ -	$ -		$ 2,043,325.00	0.00	$ 13,828,110
7.12	1	Salida, suministro e instalación para tomacorrientes dobles con puesta a tierra	4.00	un	$39,950	$159,800.00	4.00	un	$39,950.00	$159,800.00	0.00	$0.00	-	$ -	-	$ -	4.00	$ 159,800.00
7.26	1	Salida de puntos de iluminación en EMT	8.00	un	$127,851	$1,022,648.00	8.00	un	$127,851.00	$1,022,648.00	0.00	$0.00	-	$ -	-	$ -	8.00	$ 1,022,648.00

7.27	1	Salida, suministro e instalacion de interruptores dobles en EMT	4.00	un	$120,601	$482,404.00	4.00	un	$120,601.00	$482,404.00	0.00	$0.00		$ -		-	$ -	4.00	$ 482,404.00
7.28	1	Sum. e Inst. de lamparas led hermeticas de 30w	24.00	un	$196,847	$4,724,328.00	24.00	un	$196,847.00	$4,724,328.00	4.00	$787,388.00		$ -	4.00	$ 787,388.00	20.00	$ 3,936,940.00
7.29	1	Sum. e Inst. aparatos de pared 120 V 30 cm diametro	14.00	un	$376,088	$5,265,232.00	14.00	un	$376,088.00	$5,265,232.00	0.00	$0.00		$ -		$ -	14.00	$ 5,265,232.00
7.30	1	Salida para puntos de iluminacion en PVC sch40	16.00	un	$173,303	$1,796,848.00	16.00	un	$112,303.00	$1,796,848.00	4.00	$449,212.00		$ -	4.00	$ 449,212.00	12.00	$ 1,347,636.00
7.40	1	Salida de puntos para tomacorrientes en EMT	15.00	un	$161,345	$2,420,175.00	15.00	un	$161,345.00	$2,420,175.00	5.00	$806,725.00		$ -	5.00	$ 806,725.00	10.00	$ 1,613,450.00
8	1	**CARPINTERIA METALICA Y EN MADERA**	-			**39,389,200.00**				**39,427,419.00**		**$1,943,614.00**	$	-	$ 3,226,338.0000		**$ 5,169,952.00**	**0.00**	**$ 4,257,467**
8.02	1	Suministro e Instalacion de Venturas en aluminio y vidrio	18.00	m2	$ 340,196	$6,123,528.00	10.00	m2	$340,196.00	$2,615,717.00	0.00	$0.00		$ -		$ -	10.00	$ 2,615,717.00
8.04	1	Sum. Inst. Puerta 1 x 2.65 Lámina cold rolled cal.16	2.00	un	$ 424,557	$849,114.00	2.00	un	$424,557.00	$849,114.00	2.00	$849,114.00		$ -	2.00	$ 849,114.00	0.00	$ -
8.08	1	Suministro e instalación de compuertas inferiores 1,0 x 0,3 m en lamina galvanizada (incluye refor. de compuerta existente, viaguera, cerradura, empaques, acabado en anticorrosivo y esmalte)	5.00	un	$547,210	$2,736,250.00	5.00	un	$547,250.00	$2,736,250.00	2.00	$1,094,500.00		$ -	2.00	$ 1,094,500.00	3.00	$ 1,641,750.00
8.09	1	Suministro e instalación de coretas con vallla cuadrada 9mm (incluye anticorrosivo y esmalte)	7.50	m2	$176,241	$1,344,308.00	18.00	m2	$179,241.00	$3,226,338.00	0.00	$0.00	18.00	$ 3,226,338.0000	18.00	$ 3,226,338.00	0.00	$ -
14	1	**RETIRO DE MATERIAL**	-			**$1,810,570.00**				**$1,810,570.00**		**$1,406,317.00**	$	-	$ 404,252.0000		**$ 1,810,570.00**	**0.00**	$ -
14.01	1	Retiro de Material Sobrante	32.59	m3	$33,556	$1,810,570.00	32.59	m3	$56,556.00	$1,810,570.00	25.31	$1,406,317.00	7.28	$ 404,252.0000	32.59	$ 1,810,570.00	0.00	$ -

COSTO DIRECTOS			$157,835,756.00			$157,835,756.00		$61,626,855.00		$61,402,519.00		$123,029,375.00		$34,806,381.00
ADMINISTRACIÓN		20%	$31,567,151.00			$31,567,151.00		$12,325,371.00		$12,280,504.00		$24,605,875.00		$6,961,276.00
UTILIDAD		5%	$7,891,788.00			$7,891,788.00		$3,081,343.00		$3,070,126.00		$6,151,469.00		$1,740,319.00
IMPREVISTO		5%	$7,891,788.00			$7,891,788.00		$3,081,343.00		$3,070,126.00		$6,151,469.00		$1,740,319.00
IVA SOBRE UTILIDAD		0%	$0.00							$0.00		$0.00		$0.00
COSTO INDIRECTOS			$47,350,727.00			$47,350,727.00		$18,488,057.00		$18,420,756.00		$36,908,813.00		$10,441,914.00
SUBTOTAL	**CD + CI + TRANSP**		**$205,186,483.00**			**$205,186,483.00**		**$80,114,912.00**		**$79,823,275.00**		**$159,938,188.00**		**$45,248,295.00**
VALOR TOTAL			**$205,186,483.00**			**$205,186,483.00**		**$80,114,912.00**		**$79,823,275.00**		**$159,938,188.00**		**$45,248,295.00**

Carmelo Mendevil Tovar

CARMELO MENDEVIL
REPRESENTANTE LEGAL
PM&A CONSTRUCCIONES SAS

YENKO ESCANDON
APOYO A LA SUPERVISION

LUIS ALFONSO RAMIREZ CASTELLON
RECTOR Y SUPERVISOR DEL CONTRATO