

JACOBUS & YUANG, INC.

355 N. Lantana Street, Suite #220 Camarillo, CA 93010

**SANTA MONICA COLLEGE
EARLY CHILDHOOD EDUCATION
DSA SUBMITTAL COST ESTIMATE**

JOB NO.: C2028D-R1

March 31, 2016

PREPARED FOR:

CARDE TEN ARCHITECTS

BY:

JACOBUS & YUANG, INC.

355 N. Lantana Street, #220

Camarillo, CA 93010

Tel (213) 688-1341 or (805) 339-9434

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - SUMMARY		

# OF STORIES	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
COST SUMMARY					
	SITework	46,025	SF	\$41.51	1,910,406
2	ADMINISTRATION BUILDING	10,392	SF	\$443.52	4,609,087
1	PRESCHOOL BUILDING	5,902	SF	\$410.88	2,425,007
1	INFANT TODDLER BUILDING	4,792	SF	\$423.22	2,028,061
	SUBTOTAL	21,086	SF		10,972,561
	GENERAL CONTRACTOR MARKUPS:				
	- GENERAL CONDITIONS	8.5%		\$44.23	932,668
	- GC'S OH&P	6.5%		\$36.70	773,840
	- BOND	1.8%		\$10.52	221,884
	SUBTOTAL			\$611.83	12,900,952
	ESTIMATE/DESIGN CONTINGENCY	5.0%		\$30.59	645,048
	ESTIMATED CONSTRUCTION COST W/OUT ESCALATION			\$642.42	13,546,000
	INFLATIONARY ESCALATION	5.4%		\$34.56	728,775
	ESTIMATED CONSTRUCTION COST W/ ESCALATION			\$676.98	14,274,775

ESCALATION CALCULATION

BASE MONTH	Mar-16
CONSTRUCTION START MONTH	Mar-17
CONSTRUCTION DURATION (MONTHS)	16
MID POINT OF CONSTRUCTION	Nov-17
% ANNUAL ESCALATION	3.25%
ALLOWANCE FOR ESCALATION (TO MIDPOINT OF CONSTRUCTION)	5.38%

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SPECIAL NOTES PERTAINING TO THE ESTIMATE

SPECIFIC EXCLUSIONS

- 1 PROJECT SOFT COSTS & CONSTRUCTION CONTINGENCY
- 2 **F, F & E (GROUP II EQUIPMENT)**
- 3 TELECOMMUNICATION EQUIPMENT
- 4 PROJECT MANAGEMENT FEES
- 5 COMPUTER MAINFRAME AND DESKTOP
- 6 MOVABLE TABLES & CHAIRS
- 7 TELEPHONE INSTRUMENTS
- 8 AUDIO AND VIDEO EQUIPMENT
- 9 PROJECTORS @ ADMIN BUILDING
- 10 ESCALATION BEYOND THE PARAMETERS SHOWN ABOVE

SPECIFIC INCLUSIONS

- 1 PREVAILING UNION WAGE RATES IN THE AREA OF THE PROJECT
- 2 ESCALATION TO MID POINT OF CONSTRUCTION DATE
- 3 RAINSCREEN CERAMIC PANEL, FIBER CEMENT PANEL, & METAL PANEL FOR BUILDING SKINS
- 4 KITCHEN EQUIPMENT ALLOWANCE
- 5 BUILDING DRAINAGE SYSTEM
- 6 PV PANELS & CIRCUITRY @ ADMIN BLDG ROOF.
- 7 ALLOWANCES FOR COMMUNICATIONS SYSTEM
- 8 ALLOWANCES FOR FIRE ALARM & SECURITY SYSTEMS
- 9 IMPORT/FILL @ INFANT/TODDLER & PRESCHOOL BUILDING FOOTPRINTS & YARDS
- 10 ALLOWANCE FOR ADDITIONAL LABOR COST DUE TO COMPLEXITY OF LAYOUT @ INFANT/TODDLER & PRESCHOOL YARDS
- 11 PLAY EQUIPMENT
- 12 SEWER RE-ALIGNMENT INCLUDED
- 13 12"W AC PAVING STRIP @ WESTERN & SOUTHERN PORTION OF SITE
- 14 NEW OFF SITE SIDEWALK & PLANTING AREAS ALONG FOURTH STREET PLUS NEW CURB RAMP

GENERAL NOTES

- 1 ESTIMATE ASSUMES THAT ALL COMPONENTS WILL BE BID AS A SINGLE BID PACKAGE
- 2 ESTIMATE ASSUMES 8-HOUR SHIFTS DURING REGULAR WORK HOURS
- 3 ESTIMATE ASSUMES BID COVERAGE FROM AT LEAST 4-5 RESPONSIVE BIDDERS
- 4 ESTIMATE IS BASED ON DSA SUBMITTAL DRAWINGS PREPARED BY CARDE TEN ARCHITECTS DATED 02/15/2016, RECEIVED 02/23/2016
- 5 STAIRWELLS, ELEVATOR SHAFT, & LARGE DUCT SHAFT ARE NOT PART OF BUILDING GROSS FLOOR AREA.
- 6 ALL BUILDINGS ARE COMBINATION OF STEEL & WOOD CONSTRUCTION.
- 7 SITE INCLUDES 12" DEEP OVEREXCAVATION & BUILDING FOOTPRINT INCLUDES 6.5' DEEP OVEREXCAVATION @ ADMIN BLDG. & 4.5'DEEP @ INFANT-TODDLER & PRESCHOOL BUILDINGS AS ALLOWANCES.

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ESTIMATE OF COST :

An Estimate of Cost is prepared from a survey of the quantities of work-items prepared from written or drawn information provided at the Design Development, Working Drawing or Bid Document stage of the design.

Historical costs, information provided by contractors and suppliers, plus judgmental evaluation by the Estimator are used as appropriate as the basis for pricing.

Allowances as appropriate will be included for items of work which are not indicated on the design documents, provided that the Estimator is made aware of them, or which, in the judgement of the Estimator, are required for completion of the work.

JYI cannot, however, be responsible for items or work of an unusual nature of which we have not been informed.

BID

An offer to enter a contract to perform work for a fixed sum, to be completed within a limited period of time.

SPECIAL NOTE - MARKET CONDITIONS

In the current market conditions for construction, our experience shows the following results on competitive bids, as a differential from JYI final estimates:

Number of bids	Percentage Differential
1.....	+ 25 to 50%
2-3.....	+ 10 to 25%
4-5.....	+ 0 to 10%
6-7.....	+ 0 to - 5%
8 or more....	+ 0 to -10%

Accordingly, it is extremely important to ensure that a minimum of 4-5 valid bids are received

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SUBJECT: DSA SUBMITTAL COST ESTIMATE - SITEWORK	NET SITE AREA:	46,025

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
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SUMMARY OF ESTIMATE**TOTAL**

1	GENERAL REQUIREMENTS				
2	EXISTING CONDITIONS			0.82	\$37,721
31	EARTHWORK			1.54	\$70,664
32	EXTERIOR IMPROVEMENTS			29.15	\$1,341,701
33	UTILITIES			10.00	\$460,320

TOTAL ESTIMATED SUBCONTRACTOR COST**\$41.51 \$1,910,406****ESTIMATE PRORATES:**

GENERAL CONDITIONS	8.5%	3.53	\$162,385
SUB TOTAL			\$2,072,791
GC'S OH&P	6.5%	2.93	\$134,731
SUB TOTAL			\$2,207,522
BONDS & INSURANCE	1.8%	0.84	\$38,632
SUB TOTAL			\$2,246,154
ESTIMATE/DESIGN CONTINGENCY	5.0%	2.44	\$112,308
TOTAL ESTIMATED CURRENT BID COST			\$2,358,461
ESCALATION	5.4%	2.76	\$126,885
TOTAL ANTICIPATED BID COST		\$54.00	\$2,485,346

AREA RECAP:

GROSS SITE AREA	62,869	SF
FOOTPRINT - ADMIN BLDG	6,150	SF
FOOTPRINT - INFANT-TODDLER BLDG	4,792	SF
FOOTPRINT - PRESCHOOL BLDG	5,902	SF
NET SITE AREA	46,025	SF

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ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
1.0	GENERAL REQUIREMENTS				\$
	<i>SEE SUMMARY FOR GENERAL CONDITION</i>				
	SUBTOTAL				
2.0	EXISTING CONDITIONS				\$
	SITE DEMO WORK				
	DEMO (E) HARDSCAPE & LANDSCAPE, COMPLETE - ALLOWANCE (NO FOUNDATIONS, WALLS OR BUILDINGS)	62,869	SF	0.60	37,721
	SUBTOTAL				37,721
31.0	EARTHWORK				\$
	SITE PREPARATION				
	SITE CLEARING	62,869	SF	0.11	6,916
	ROUGH GRADING	62,869	SF	0.15	9,430
	FILL & COMPACT	1,539	CY	2.06	3,170
	SOIL IMPORT + 15% SWELL VOLUME (LESS SURPLUS FROM STRUCTURAL EXCAVATION)	1,336	CY	25.36	33,874
	SITE PAVING OVER EXCAVATION ALLOWANCE - 12"D BUILDING PAD OVER EXCAVATION - SEE SEPARATE BUILDING ESTIMATE	1,307	CY	10.81	14,131
	EROSION CONTROL/SWPPP	62,869	SF	0.05	3,143
	SUBTOTAL				70,664
32.0	EXTERIOR IMPROVEMENTS				\$
	<u>SITE IMPROVEMENTS OUTSIDE INFANT/TODDLER YARD & PRECHOOL YARD</u>				
	<i>NOTE: STREET CURBS ASSUMED TO BE EXISTING</i>				
	CONCRETE FLATWORK				
	SIDEWALK - ASSUMED 4"/4"	1,510	SF	6.60	9,966
	CONCRETE WALKWAY - 4"/2"	9,780	SF	6.15	60,147
	CONCRETE PAVING - PED RAMP	130	SF	6.60	858
	THICKENED CONCRETE	45	CY	463.10	20,840
	EXTRA FOR SIDEWALK CURB RAMP	1	EA	1,286.38	1,286
	EXTRA FOR WALKWAY CURB RAMP	5	EA	668.92	3,345
	CONCRETE STEPS, 12"W	42	LF	57.17	2,401
	CONCRETE CURB, 6"W X 12"H	745	LF	25.73	19,169
	CONCRETE V-GUTTER, 36"W X 6" THK	200	LF	25.73	5,146
	C.I.P. GRASSCRETE	260	SF	14.15	3,679
	ASPHALT PAVING				
	ASPHALT PAVING, 3"/4"	8,688	SF	4.18	36,316
	12"W ASPHALT STRIP PAVING	491	LF	4.18	2,052
	JOIN AC PAVING TO EXISTING	546	LF	3.60	1,966

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ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	CONCRETE BENCH W/ LIGHT COVE				
	16"W X 4"H TOP + 12"W X 20"H STEM	115	LF	200.95	23,109
	CONCRETE FOOTING	9	CY	668.92	6,183
	LANDSCAPING (EXCLUDING INFANT/TODDLER & PRESCHOOL YARDS)				
	TREE, 36" BOX	39	EA	1,543.65	60,202
	TREE, 24" BOX	36	EA	566.01	20,376
	SHRUB, 15 GAL	240	EA	77.18	18,523
	SHRUB, 5 GAL	1,153	EA	46.31	53,395
	SHRUB, 1 GAL	296	EA	10.29	3,046
	VINE, 1 GAL	13	EA	25.73	334
	1 GAL HERB MIX @ 12" O.C.	23	SF	11.83	272
	FLATS @ 6" O.C.	481	SF	3.60	1,732
	FLATS @ 12" O.C.	635	SF	5.15	3,270
	MULCHING	6,748	SF	0.71	4,791
	PLANTING SOIL	125	CY	25.73	3,215
	IRRIGATION	6,748	SF	1.80	12,146
	MAINTENANCE, 1-YEAR	1	LS	4,350.00	4,350
	<u>INFANT-TODDLER YARD</u>				
	CONCRETE HEAT SINK WALL, +/-8" THK X 4'H + STEM + FOOTING	37	LF	258.42	9,562
	CONCRETE BENCH, 3.5'W X 1.5'H	36	LF	200.10	7,204
	6" THK CURB WALL, 2.5'H + 6" AGG. BASE	126	LF	64.32	8,104
	6" THK PLANTER CURB, 24"H	159	LF	45.28	7,200
	TAPERED CURB, 6"W @ TOP, 10"W @ BASE, 20.5"H	138	LF	30.57	4,219
	MOW STRIP, 4" THK X 10"H	50	LF	10.29	515
	TRANSITION RAMP PER DWG. 10/A8.02	8	LF	102.91	823
	30" W CONCRETE WATERWALL, 24" H AV. (2 walls x 12 LF each)	24	LF	375.00	9,000
	CONCRETE WALKWAY, 4"/2"	2,210	SF	6.69	14,785
	THICKENED CONCRETE	13	CY	463.10	6,174
	2" X 6" IPE WOOD DECKING + 4" X 4" P.T. SLEEPERS @ 16" OC W/ S/S FASTENERS	260	SF	20.58	5,351
	CONCRETE BASE, 4"/4"	260	SF	7.63	1,984
	2" X 6" TREX DECKING + 4" X 4" TREX SLEEPERS @ 24"	450	SF	20.58	9,261
	AGGREGATE BASE, 4"	450	SF	1.19	536
	4" DECOMPOSED GRANITE PAVING	220	SF	3.14	691
	14.5"H PLAY SAND + 6" AGG. BASE	290	SF	26.30	7,627
	14.5"H ENGINEERED WOOD FIBER + 6" AGG. BASE	170	SF	20.58	3,499
	GEOTEXTILE FABRIC	630	SF	1.80	1,134
	1" X 8" TREX HEADER W/ 1" X 2" X 18"D P.T. WOOD STAKES @ 4'-0" OC	68	LF	11.92	811
	2" X 12" REDWOOD HEADER W/ 1" X 2" X 18"D P.T. WOOD STAKES @ 4'-0" OC	10	LF	22.90	229
	4" X 12" REDWOOD HEADER W/ 1" X 2" X 18"D P.T. WOOD STAKES @ 4'-0" OC	9	LF	39.36	354
	6" CONCRETE CURB UNDER SLIDE	8	LF	25.73	206
	36"W BUILT-IN STORAGE W/ (13) - 3'W DOORS	48	LF	622.82	29,895

SITEWORK

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ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	TREE, 36" BOX	13	EA	1,543.65	20,067
	SHRUB, 15 GAL	13	EA	77.18	1,003
	SHRUB, 5 GAL	38	EA	46.31	1,760
	SHRUB, 1 GAL	36	EA	10.29	370
	TURF	1,300	SF	1.36	1,768
	1 GAL HERB MIX @ 12" O.C.	112	SF	17.75	1,988
	MULCHING	354	SF	1.54	545
	PLANTING SOIL	49	CY	41.16	2,017
	IRRIGATION	1,654	SF	1.80	2,977
	MAINTENANCE, 1-YEAR	1	LS	320.00	320
	4'H WIRE FENCE, GALV. POWDER-COATED	140	LF	41.16	5,762
	METAL GATE, 3.5'W X 4'H	3	EA	720.37	2,161
	EXTRA FOR PANIC HARDWARE, PER LEAF	2	EA	1,300.00	2,600
	EXTRA FOR LABOR DUE TO COMPLEX LAYOUT	1	LS	4,400.00	4,400
	PRE-SCHOOL YARD				
	8" CMU RETAINING/STEM WALL, 4'H + 24"W X 12"D	64	LF	164.81	10,548
	CONCRETE FOOTING				
	CONCRETE BENCH, 16"W X 2'H + 2.17"W X 12"D	53	LF	155.15	8,223
	CONCRETE FOOTING				
	CONCRETE BENCH, 4'W X 1.5'H	36	LF	228.69	8,233
	6" THK PLANTER CURB, 16"H	43	LF	21.54	926
	6" THK PLANTER CURB, 24"H	181	LF	32.40	5,864
	TAPERED CURB, 6"W @ TOP, 10"W @ BASE, 20.5"H	263	LF	1.29	339
	MOW STRIP, 4" THK X 10"H	35	LF	10.29	360
	TRANSITION RAMP PER DWG. 10/A8.02	19	LF	102.91	1,955
	30"W CONCRETE WATERWALL, 24"H avg - SEE DWG. 7/A8.05	21	LF	450.00	9,450
	36"W CONCRETE WATERWALL, 24"H avg - SEE DWG. 7/A8.05	27	LF	450.00	12,150
	CONCRETE WALKWAY, 4"/2"	3,360	SF	6.69	22,478
	CONCRETE WALKWAY, 4"/2" - STAINED & SCORED	88	SF	8.23	724
	THICKENED CONCRETE	17	CY	463.10	7,739
	2" X 6" IPE WOOD DECKING + 4" X 4" P.T. SLEEPERS @ 16" OC W/ S/S FASTENERS	410	SF	20.58	8,438
	CONCRETE BASE, 4"/4"	410	SF	7.63	3,128
	2" X 6" TREX DECKING + 4" X 4" TREX SLEEPERS @ 24" AGGREGATE BASE, 4"	300	SF	20.58	6,174
	4" DECOMPOSED GRANITE PAVING	670	SF	3.14	2,104
	14.5"H PLAY SAND + 6" AGG. BASE	400	SF	26.30	10,520
	14.5"H ENGINEERED WOOD FIBER + 6" AGG. BASE	1,988	SF	20.58	40,913
	GEOTEXTILE FABRIC	4,376	SF	1.80	7,877
	1" X 8" TREX HEADER W/ 1" X 2" X 18"D P.T. WOOD STAKES @ 4'-0" OC	36	LF	11.92	429
	4" X 12" REDWOOD HEADER W/ 1" X 2" X 18"D P.T. WOOD STAKES @ 4'-0" OC	12	LF	39.36	472
	6" CONCRETE CURB UNDER SLIDE	16	LF	25.73	412
	36"W BUILT-IN STORAGE W/ (13) - 3'W DOORS	54	LF	596.50	32,211
	TREE, 36" BOX	22	EA	1,543.65	33,960

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	TREE, 24" BOX	2	EA	566.01	1,132
	SHRUB, 15 GAL	10	EA	77.18	772
	SHRUB, 5 GAL	110	EA	46.31	5,094
	SHRUB, 1 GAL	128	EA	10.29	1,317
	TURF	1,780	SF	1.36	2,421
	MULCHING	2,230	SF	1.54	3,434
	PLANTING SOIL	57	CY	41.16	2,347
	IRRIGATION	2,330	SF	1.80	4,194
	MAINTENANCE, 1-YEAR	1	LS	500.00	500
	4'H WIRE FENCE, GALV. POWDER-COATED	58	LF	41.16	2,387
	METAL GATE, 3'W X 4'H	2	EA	617.46	1,235
	EXTRA FOR LABOR DUE TO COMPLEX LAYOUT	1	LS	6,700.00	6,700
	<u>PLAY EQUIPMENT</u>				
	2.5'W X 6'-0"L HILLSIDE SLIDE - INFANT/TODDLER	1	EA	6,000.00	6,000
	2.5'W X 5'-0"L HILLSIDE SLIDE - PRESCHOOL	2	EA	5,000.00	10,000
	TIRE SWING SET - PRESCHOOL	1	EA	5,145.50	5,146
	PLAY SWING SET - PRESCHOOL	2	EA	6,174.60	12,349
	PLAY HOUSE, 6'W X 8.5'L - PRESCHOOL	2	EA	15,745.23	31,490
	<u>SITE WALLS</u>				
	8" CMU STEM/RETAINING WALLS	732	SF	28.30	20,716
	8" CMU NON-RETAINING WALLS	341	SF	28.30	9,650
	8" CMU WALL W/ STEM/RETAINING	2,133	SF	28.30	60,364
	2" PRECAST CONCRETE CAP	679	LF	17.49	11,876
	CONCRETE FOOTING	144	CY	720.37	103,747
	CEMENT PLASTER FINISH	4,923	SF	12.86	63,310
	ANTI-GRAFFITI COATING ALLOWANCE TO EXTERIOR FACES ONLY	3,153	SF	1.80	5,675
	DAMP PROOFING + DRAIN BOARD	1,488	SF	8.75	13,020
	<u>SITE FENCING & GATES, RAILINGS</u>				
	5'H METAL FENCE	218	LF	84.90	18,508
	6'H METAL FENCE	12	LF	92.62	1,111
	METAL GATE, 3'W X 5'H	6	EA	740.95	4,446
	METAL GATE, 3.5'W X 6'H	1	EA	864.44	864
	EXTRA FOR PANIC HARDWARE, PER LEAF	1	EA	1,312.10	1,312
	EXTRA FOR GATE CLOSER, PER LEAF	6	EA	298.44	1,791
	GALV. PIPE HANDRAIL, FLOOR MOUNT + PAINT	140	LF	154.37	21,612
	<u>UTILITY ENCLOSURE</u>				
	8" CMU WALL, 6'H + STEM	791	SF	28.30	22,385
	2" PRECAST CONCRETE CAP	113	LF	17.49	1,976
	CEMENT PLASTER FINISH	1,469	SF	12.86	18,891
	ANTI-GRAFFITI COATING ALLOWANCE TO EXTERIOR FACES ONLY	294	SF	1.80	529
	CONCRETE FOOTING	16	CY	720.37	11,306
	CONCRETE PAVING - ASSUME 6"/4"	860	SF	10.01	8,609
	TRASH/BUMP CURB, 6" X 6"	38	LF	28.59	1,086
	METAL GATE, 3'W X 6'H	1	EA	740.95	741
	METAL GATE, 3.5'W X 6'H	2	EA	864.44	1,729
	METAL GATE, (2) - 3'W X 6'H	2	PR	926.19	1,852

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	EXTRA FOR PANIC HARDWARE, PER LEAF	2	EA	1,312.10	2,624
	EXTRA FOR GATE CLOSER, PER LEAF	2	EA	298.44	597
	MISC. SITEWORK				
	TRUNCATED DOMES	105	SF	46.31	4,863
	ELASTOMERIC COATING - ADMIN PATIO	674	SF	5.92	3,990
	PARKING STALL STRIPING - ADA + LOGO	1	EA	210.97	211
	PARKING STALL STRIPING - STD	14	EA	51.46	720
	WALK-AISLE STRIPING	144	SF	1.54	222
	CONCRETE WHEEL STOP	15	EA	128.64	1,930
	POLE-MOUNTED SIGNAGE - VAN/ADA STALL	1	EA	1,003.37	1,003
	POLE-MOUNTED SIGNAGE - TOW AWAY	1	EA	1,003.37	1,003
	DOUBLE POLE-MOUNTED SIGNAGE - DROP OFF	1	EA	900.46	900
	SITE SIGNAGE - WALL/FENCE MOUNT	20	EA	385.91	7,718
	BIKE RACKS	8	EA	308.73	2,470
	BIKE LOCKER	2	EA	437.37	875
	TRASH DUMPSTER	3	EA	1,209.19	3,628
	MISC. SITE SIGNAGE	46,025	SF	0.07	3,222
	MISC. SITE FURNISHINGS	1	LS	7,100.00	7,100
	SUBTOTAL				1,341,701

33.0 UTILITIES					\$
	STORM DRAINS				
	4" SD PIPE, SCH 40 DWV	556	LF	29.26	16,269
	6" SD PIPE, SCH 40 DWV	510	LF	35.84	18,278
	8" SD PIPE, SCH 40 DWV	220	LF	44.94	9,887
	UNDERSIDEWALK DRAIN	55	LF	30.87	1,698
	FLAT DRAIN PER 7/C4.03	236	LF	15.44	3,644
	FLO-WELL PER 8/C4.03	10	EA	1,003.37	10,034
	CLEANOUT	8	EA	694.64	5,557
	PLANTER DRAIN	20	EA	375.62	7,512
	AREA DRAIN	4	EA	488.82	1,955
	DECK AREA DRAIN	4	EA	499.11	1,996
	CATCH BASIN, 24" X 24" I.D.	1	EA	1,183.47	1,183
	BUILDING POC	11	EA	339.60	3,736
	POC NEW 8" SD PIPE TO EXISTING + POTHOLING	1	EA	1,478.51	1,479
	CUT & PATCH (E) SIDEWALK	28	LF	25.73	720
	DOMESTIC WATER				
	CONNECTION FEE - WATER METER	1	EA	2,572.75	2,573
	CONNECTION FEE - DW SERVICE PIPE	55	LF	43.14	2,373
	CONNECTION FEE - DW POC TO EXISTING	1	EA	1,543.65	1,544
	CONNECTION FEE - CUT & PATCH (E) SIDEWALK	3	LF	25.73	77
	CONNECTION FEE - CUT & PATCH (E) STREET	52	LF	51.46	2,676
	3/4" TYPE K CU PIPE	6	LF	26.22	157
	2" SCH 80 PVC PIPE	342	LF	18.28	6,252
	BUILDING POC	3	EA	254.70	764
	THRUST BLOCK	11	EA	360.19	3,962

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - SITEWORK	NET SITE AREA:	46,025

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
FIRE WATER					
	CONNECTION FEE - FIRE WATER METER	1	EA	2,572.75	2,573
	CONNECTION FEE - FW SERVICE PIPE	60	LF	50.86	3,052
	CONNECTION FEE - FW POC TO EXISTING	1	EA	2,058.20	2,058
	CONNECTION FEE - CUT & PATCH (E) SIDEWALK	5	LF	25.73	129
	CONNECTION FEE - CUT & PATCH (E) STREET	55	LF	77.18	4,245
	4" FW PIPE, C900 PVC W/ D.I. FITTINGS	68	LF	43.14	2,934
	6" FW PIPE, C900 PVC W/ D.I. FITTINGS	110	LF	50.86	5,595
	6" DDCV/BFP ASSEMBLY	1	EA	6,689.15	6,689
	PIV	2	EA	1,540.82	3,082
	4" SPRINKLER RISER STUB	3	EA	185.24	556
	THRUST BLOCK	18	EA	360.19	6,483
SANITARY SEWER (INCLUDES RE-ALIGNMENT)					
	TRENCH/POD (E) 10" SEWER PIPE	2	EA	1,228.33	2,457
	TRENCH/REMOVE (E) 10" SEWER PIPE	175	LF	22.23	3,890
	SEWER MANHOLE, 8'D	2	EA	3,241.67	6,483
	3" SEWER PIPE, SCH 40 DWV	30	LF	29.27	878
	4" SEWER PIPE, SCH 40 DWV	16	LF	32.20	515
	6" SEWER PIPE, SCH 40 DWV	14	LF	37.03	518
	10" SEWER PIPE, C900 PVC W/ D.I. FITTINGS	176	LF	58.73	10,336
	BUILDING POC	6	EA	475.44	2,853
	POC (E) 4" SEWER PIPE TO EXISTING	2	EA	339.60	679
	POC (E) 10" SEWER PIPE TO NEW SSMH	2	EA	1,018.81	2,038
NATURAL GAS					
	CONNECTION FEE - GAS METER	1	EA	1,903.84	1,904
	CONNECTION FEE - GAS SERVICE PIPE	190	LF	48.88	9,287
	CONNECTION FEE - GAS POC TO EXISTING	1	EA	2,058.20	2,058
	CONNECTION FEE - CUT & PATCH (E) SIDEWALK	10	LF	25.73	257
	CONNECTION FEE - CUT & PATCH (E) STREET	7	LF	77.18	540
	P.E. GAS PIPE - ASSUME 2"	315	LF	43.22	13,614
	2" GAS SEISMIC VALVE/PRV ASSEMBLY	1	EA	2,572.75	2,573
	BUILDING POC	3	EA	339.60	1,019
SITE ELECTRICAL					
PRIMARY/SECONDARY SERVICE CONDUITS					
	PRIMARY SERVICE CONDUIT, (2) - 5" PVC + DUCTBANK & STUB/CAP @ PROPERTY LINE	40	LF	132.51	5,300
	TRANSFORMER PAD, 8' X 6'	1	EA	1,234.92	1,235
	TRANSFORMER GROUNDING SYSTEM	1	LS	1,543.65	1,544
	SECONDARY SERVICE CONDUIT, (6) - 4" PVC + DUCTBANK	30	LF	242.36	7,271
SITE POWER DISTRIBUTIONS					
	3 1/2" PVC CONDUIT	320	LF	25.58	8,186
	#2 CU WIRE	320	LF	5.81	1,859
	#600 MCM	1,280	LF	39.25	50,240
	U/G PULLBOX	1	EA	2,572.75	2,573
	DUCTBANK	185	LF	102.91	19,038

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - SITEWORK	NET SITE AREA:	46,025

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	SITE INCOMING COMMUNICATIONS				
	(2) - 4" PVC CONDUIT - TELEPHONE	55	LF	53.75	2,956
	(2) - 2" PVC CONDUIT - CATV	55	LF	39.18	2,155
	STUB/CAP (2) - 4" CO @ PROPERTY LINE	1	EA	344.11	344
	STUB/CAP (2) - 2" CO @ PROPERTY LINE	1	EA	190.89	191
	SITE SIGNAL DISTRIBUTIONS				
	(2) - 4" PVC CONDUIT - DATA	260	LF	49.39	12,841
	(2) - 4" PVC CONDUIT - TEL.	260	LF	49.39	12,841
	(2) - 4" PVC CONDUIT - SECURITY	260	LF	49.39	12,841
	DUCTBANK - (12) CONDUITS	110	LF	154.37	16,981
	DUCTBANK - (6) CONDUITS	45	LF	102.91	4,631
	SITE MISC. POWER, LIGHTING, & SECURITY				
	PLAY YARDS/PATIOS LIGHTING	15,952	SF	0.77	12,283
	PARKING LIGHTING	9,301	SF	1.03	9,580
	UTILITY AREA LIGHTING	936	SF	1.29	1,207
	SITE MISC. POWER	46,025	SF	0.21	9,665
	SITE SECURITY SYSTEM	46,025	SF	1.08	49,707
	SITE UTILITY MISCELLANEOUS				
	MISC. SITE UTILITY SYSTEM	1	LS	11,230.00	11,230
	SUBTOTAL				460,320

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
<u>SUMMARY OF ESTIMATE</u>					TOTAL
1.0	GENERAL REQUIREMENTS				
2.0	EXISTING CONDITIONS				
3.0	CONCRETE	4.4%		19.64	\$204,082
4.0	MASONRY				
5.0	METALS	8.9%		39.40	\$409,444
6.0	WOODS, PLASTICS & COMPOSITES	13.1%		58.15	\$604,248
7.0	THERMAL & MOISTURE PROTECTION	2.7%		12.18	\$126,533
8.0	OPENINGS	8.7%		38.61	\$401,195
9.0	FINISHES	23.6%		104.56	\$1,086,598
10.0	SPECIALTIES	1.8%		8.16	\$84,766
11.0	EQUIPMENT	0.6%		2.83	\$29,455
12.0	FURNISHINGS	0.6%		2.77	\$28,741
13.0	SPECIAL CONSTRUCTION	2.4%		10.81	\$112,323
14.0	CONVEYING	2.4%		10.50	\$109,085
21.0	FIRE SUPPRESSION	1.2%		5.54	\$57,612
22.0	PLUMBING	5.4%		23.82	\$247,536
23.0	HEAT, VENT & AIR CONDITIONING	10.8%		47.77	\$496,412
26.0	ELECTRICAL	9.0%		39.93	\$414,982
27.0	COMMUNICATIONS	1.7%		7.37	\$76,603
28.0	ELECTRONIC SAFETY & SECURITY	2.1%		9.28	\$96,414
31.0	EARTHWORK	0.5%		2.22	\$23,058
TOTAL ESTIMATED SUBCONTRACTOR COST				\$443.52	\$4,609,087
ESTIMATE PRORATES:					
	GENERAL CONDITIONS	8.5%		37.70	\$391,772
	SUB TOTAL				\$5,000,859
	GC'S OH&P	6.5%		31.28	\$325,056
	SUB TOTAL				\$5,325,915
	- BOND	1.8%		8.97	\$93,204
	SUB TOTAL				\$5,419,119
	ESTIMATE/DESIGN CONTINGENCY	5.0%		26.07	\$270,956
	TOTAL ESTIMATED CURRENT BID COST				\$5,690,075
	ESCALATION	5.4%		29.46	\$306,126
TOTAL ANTICIPATED BID COST				\$577.00	\$5,996,201

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
1.0	GENERAL REQUIREMENTS				\$
	<i>SEE SUMMARY FOR GENERAL CONDITION</i>				
	SUBTOTAL				
2.0	EXISTING CONDITIONS				\$
	<i>SEE SEPARATE SITEWORK ESTIMATE</i>				
	SUBTOTAL				
3.0	CONCRETE				\$
	FOUNDATION				
	SPREAD FOOTING	17	CY	668.92	11,295
	STRIP FOOTING	66	CY	694.64	45,846
	EXTRA FOR STEPPED FOOTING	13	EA	339.60	4,415
	8" STEM WALL W/ #5 @ 12" OCEW	634	SF	36.02	22,845
	THICKENED FOOTING - @ SPREAD FOOTINGS	5	CY	668.92	3,107
	ELEVATOR PIT				
	12" PIT SLAB/FOOTING W/ #4 @ 12" OCEW T & B	96	SF	21.26	2,041
	8" PIT WALL W/ #5 @ 12" OCEW	154	SF	40.44	6,233
	WATERPROOFING	250	SF	8.23	2,059
	SLAB ON-GRADE/CURB				
	SLAB ON-GRADE + V.B./BASE - ASSUME 5"/4"	6,150	SF	7.83	48,170
	THICKENED SLAB	29	CY	463.10	13,207
	6" CONCRETE CURB	399	LF	19.06	7,604
	6" X 18"H CONCRETE CURB	47	LF	37.16	1,747
	18"H IRREGULAR SHAPED CONCRETE BENCH AROUND EXTERIOR COLUMNS	27	SF	71.47	1,930
	CONCRETE TOPPINGS				
	1 1/2" LT. WT. CONCRETE TOPPING - 2ND FLOOR	4,242	SF	5.56	23,579
	1 1/2" LT. WT. CONCRETE TOPPINGS - BALCONY	1,522	SF	5.56	8,460
	MISC. CONCRETE				
	ALLOWANCE FOR MISC. CONCRETE/PADS	1	LS	1,543.65	1,544
	SUBTOTAL				204,082
4.0	MASONRY				\$
	<i>THIS SECTION NOT APPLICABLE</i>				
	SUBTOTAL				
5.0	METALS				\$
	STRUCTURAL STEEL				
	W-SECTION STEEL BEAM	34,115	LBS	2.47	84,259
	HSS BEAM	1,546	LBS	2.47	3,817
	HSS COLUMNS	11,306	LBS	2.47	27,925
	HSS ELEVATOR GUIDERAIL	1,646	LBS	2.47	4,066
	HSS ELEVATOR HOIST BEAM	174	LBS	2.47	429
	ADMIN BLDG				

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	HSS LIFE LINE BEAM	116	LBS	2.47	287
	DETAIL STEEL	4,890	LBS	2.83	13,840
	TIE-DOWN SYSTEM - 2ND FLR DOWN TO FOOTING - SEE DWG. S-821	20	EA	540.28	10,806
	TIE-DOWN SYSTEM - ROOF DOWN TO 2ND FLOOR - SEE DWG. S-821	25	EA	463.10	11,577
	ENTRY CANOPY/SUN CONTROL				
	11'-0"W HORIZONTAL TS FRAMED, PAINTED + ARCADIA 1" X 6" ALUM. FINS	20	LF	108.06	2,161
	TRANSLUCENT POLYCARBONATE PANEL	120	SF	15.44	1,852
	RAIN GUTTER	20	LF	12.35	247
	EXTERIOR SUN CONTROL				
	HORIZONTAL TS-FRAMED, 8.17"W X 13.17"L + PAINT W/ 1" X 6" ARCADIA ALUM. FINS	8	EA	11,073.00	88,584
	HORIZONTAL TS-FRAMED, 3"W X 11"L + PAINT W/ 1" X 6" ARCADIA ALUM. FINS	2	EA	3,565.83	7,132
	30"W VERTICAL METAL FINS, ARCADIA SOLID PANEL STEEL PLATE	444	LF	218.68	97,096
	METAL FABRICATIONS				
	10'H ROLL-DOWN SECTIONAL SECURITY GRILLE - RECESSED CEILING	34	LF	514.55	17,495
	ROOF HATCH + LADDER	1	EA	1,286.38	1,286
	ROOF ACCESS LADDER, 14'H	1	EA	1,512.78	1,513
	S/S PIPE HANDRAIL ABOVE BALCONY WALL	120	LF	97.76	11,732
	S/S GUARDRAIL W/ (7) S/S CABLES	66	LF	256.25	16,912
	PROJECTOR MOUNTING	2	EA	540.28	1,081
	MISC. METALS ALLOWANCE	10,392	GSF	0.51	5,347
	SUBTOTAL				409,444

6.0	WOODS, PLASTICS & COMPOSITES
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FINISH CARPENTRY

2.5'H UPPER CABINET	155	LF	283.00	43,865
18"W BUILT-IN CABINET	7	LF	360.19	2,521
24"W BASE CABINET, PLAM	29	LF	385.91	11,191
30"W BASE CABINET, PLAM	24	LF	411.64	9,879
24"W BASE CAB, SOLID SURFACE	65	LF	437.37	28,429
24"W ART STUDIO COUNTER, SOLID SURFACE	25	LF	308.73	7,718
24"W LAVATORY COUNTER	12	LF	308.73	3,705
24"W OPEN COUNTER, SOLID SURFACE	50	LF	308.73	15,437
30"W RECEPTION COUNTER	29	LF	463.10	13,430
30"W COUNTER W/ STORAGE BELOW	8	LF	396.20	3,170
30"W OPEN COUNTER, SOLID SURFACE	23	LF	334.46	7,693
18"W X 8'H STORAGE CABINET	14	LF	361.79	5,065
24"W X 8'H STORAGE CABINET	42	LF	416.06	17,475
15"W OPEN SHELVINGS	3	LF	115.77	347
ALLOWANCE FOR MAIL BOX	8	LF	308.73	2,470
MISC. FINISH CARPENTRY ALLOWANCE	10,392	GSF	0.41	4,248

ADMIN BLDG

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PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
ROUGH CARPENTRY					
	EXT. WOOD STUD - ASSUME 2" X 6"	13,988	SF	6.46	90,401
	INT. WOOD STUD - ASSUME 2" X 4"	6,914	SF	5.66	39,134
	INT. WOOD STUD, DOUBLE - ASSUME (2) - 2" X 4"	36	SF	10.47	377
	FURRING WOOD STUD - ASSUME 2" X 4"	584	SF	5.66	3,305
	WOOD STUD - ELEVATOR SHAFT	986	SF	7.46	7,357
	WOOD POST, 4" X 6"	822	LF	9.78	8,036
	WOOD POST, 6" X 6"	108	LF	14.66	1,584
	1/2" STRUCT 1 SHEAR PLYWOOD - INTERIOR	708	SF	4.37	3,097
	1/2" STRUCT 1 SHEAR PLYWOOD - INT. OF EXT.	232	SF	4.37	1,015
	1/2" STRUCT 1 SHEAR PLYWOOD - EXTERIOR	5,959	SF	4.37	26,063
	EXTERIOR PLYWOOD SHEATHING OTHER THAN SHEAR PLYWOOD	8,029	SF	3.34	26,854
	2ND FLR JOIST, 11 7/8" TJI 210 @ 16" OC	3,262	SF	10.45	34,074
	2ND FLR JOIST, 11 7/8" TJI 230 @ 16" OC	980	SF	10.76	10,544
	BALCONY FLR JOIST, 11 7/8" TJI 210 @ 16" OC	972	SF	10.45	10,153
	BALCONY FLR JOIST, 11 7/8" TJI 230 @ 16" OC	550	SF	10.76	5,918
	HEADER, 4" X 12"	66	LF	11.32	747
	HEADER, 6" X 12"	16	LF	16.98	272
	3 1/2" X 12" TIMBERSTRAND BLOCKING	658	LF	14.41	9,480
	2ND FLR BEAM, 4" X 12"	124	LF	17.49	2,169
	2ND FLR BEAM, 6" X 12"	86	LF	26.24	2,257
	2ND FLR BEAM, 5 1/4" X 11 7/8" PARALLAM 2.0E	104	LF	36.47	3,793
	2ND FLR BEAM, 5 1/4" X 14" PARALLAM 2.0E	12	LF	42.55	511
	2ND FLOOR/BALCONY PLYWOOD SHEATHING	1,520	SF	3.60	5,475
	ROOF JOIST, 11 7/8" TJI 210 @ 16" OC - HIGH ROOF	2,680	SF	10.45	27,995
	ROOF JOIST, 11 7/8" TJI 210 @ 16" OC - MID ROOF	900	SF	10.45	9,401
	ROOF JOIST, 11 7/8" TJI 230 @ 16" OC - MID ROOF	1,284	SF	10.76	13,815
	ROOF JOIST, 11 7/8" TJI 210 @ 16" OC - LOW ROOF	634	SF	10.45	6,623
	ROOF BEAM, 4" X 12"	78	LF	11.32	883
	ROOF BEAM, 6" X 12"	50	LF	16.98	849
	ROOF BEAM, 5 1/4" X 11 7/8" PARALLAM 2.0E	42	LF	36.47	1,532
	PLYWOOD SHEATHING TO ROOFSIDE PARAPETS	1,501	SF	3.34	5,020
	PLYWOOD SHEATHING TO BALCONY WALKWAY SIDE	360	SF	3.34	1,204
	ROOF PLYWOOD SHEATHING	5,498	SF	2.83	15,559
	WOOD-FRAMED STAIR - STRAIGHTFLIGHT, 4.5'W X 22 TREADS/RISERS + 18 SF MIDLANDING + HANDRAILS, COMPLETE	1	FLT	18,693.60	18,694
	WOOD-FRAMED STAIR - SWITCHBACK, 5'-0"W X 21 TREADS + 53 SF MIDLANDING + GUARD/HANDRAILS, COMPLETE	1	FLT	22,984.95	22,985
	MISC. ROUGH CARPENTRY ALLOWANCE	10,392	GSF	1.00	10,429
	SUBTOTAL				604,248

7.0 THERMAL & MOISTURE PROTECTION
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ROOFING & ACCESSORIES

MEMBRANE ROOFING - HIGH ROOF

2,680

SF

5.66

15,169

ADMIN BLDG

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PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	MEMBRANE ROOFING - MID ROOF	2,184	SF	5.66	12,362
	MEMBRANE ROOFING - LOW ROOF	634	SF	5.66	3,588
	COVER BOARD	5,498	SF	1.29	7,072
	RIGID INSULATION, TAPERED	5,498	SF	3.60	19,803
	MEMBRANE BASE FLASHING	884	LF	5.79	5,117
	CANT STRIP + COVER FLASHING	50	LF	13.34	667
	ROOF EDGE METAL FLASHING/GRAVEL STOP	372	LF	7.98	2,967
	PARAPET CAP, 12"W	465	LF	16.98	7,896
	BALCONY WALL CAP, 1/4" THK STEEL X 14.5"W	122	LF	30.87	3,767
	ROOFING MEMBRANE TO ROOFSIDE PARAPETS	1,501	SF	3.86	5,793
	ROOF WALKWAY PAD, 2' X 2'	8	EA	36.02	288
	SKYLIGHT				
	SOLATUBE SKYLIGHT, 24"Ø	4	EA	3,877.65	15,511
	MISCELLANEOUS				
	MISC. SHEET METAL ALLOWANCE	10,392	GSF	0.26	2,674
	MISC. CAULKING & SEALANTS ALLOWANCE	10,392	GSF	0.36	3,743
	MISC. FIREPROOFING/FIRESTOPPING ALLOWANCE	10,392	GSF	0.41	4,278
	WATERPROOFING				
	WATERPROOFING - BALCONY FLOOR	1,520	SF	7.72	11,732
	WATERPROOFING - 2ND FLOOR TOILETS/JANITOR	532	SF	7.72	4,106
	SUBTOTAL				126,533

8.0 OPENINGS

\$

	EXTERIOR DOORS & HARDWARES				
	7'H AUTO SLIDING GLASS DOOR, (1) - 4'W SLIDER + (1) - 4'W FIXED GLASS	3	PR	7,244.86	21,735
	ALUM-GLASS DOOR/ALUM FRAME, 3'W X 8'H	3	EA	2,701.39	8,104
	HM DOOR/HM FRAME, 3'W X 8'H + PAINT	5	EA	2,562.46	12,812
	HM DOOR/HM FRAME, 3'W X 7'H + PAINT	5	EA	2,269.17	11,346
	EXTRA FOR 24"W X 36"H VISION PANEL	3	EA	419.87	1,260
	EXTRA FOR PANIC HARDWARE	5	EA	1,312.10	6,561
	EXTRA FOR DOOR CLOSER, PER LEAF	11	EA	298.44	3,283
	EXTRA FOR 60 MIN. FIRE RATING, PER LEAF	4	EA	77.18	309
	EXTRA FOR DOOR SHADES, PER LEAF	3	EA	123.49	370
	EXTERIOR GLAZING/FRAMES				
	PUNCHED WINDOWS	206	SF	84.39	17,364
	LARGE WINDOWS	295	SF	82.33	24,303
	STOREFRONTS	1,292	SF	80.27	103,736
	TRANSOMS	40	SF	80.27	3,211
	CLERESTORY WINDOWS	613	SF	82.33	50,472
	CUSTOM CLERESTORY WINDOWS	122	SF	87.47	10,672
	INTERIOR DOORS & HARDWARE				
	ALUM-GLASS DOOR/ALUM FRAME, (2) - 3'W X 7'H	1	PR	4,997.57	4,998
	ALUM-GL DOOR/ALUM FRAME, 3'W X 8'H	2	EA	3,087.30	6,175
	ALUM-GL DOOR/ALUM FRAME, 3'W X 7'H	6	EA	2,701.39	16,208
	SC WD DOOR/HM FRAME, 3'W X 7'H + PAINT	14	EA	2,161.11	30,256
	10'H SLIDING GLASS DOORS & WOOD FRAME ON OVERHEAD TRACK	21	LF	951.92	19,990

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	EXTRA FOR DOOR CLOSER, PER LEAF	5	EA	298.44	1,492
	EXTRA FOR 60 MIN. FIRE RATING, PER LEAF	8	EA	77.18	617
	EXTRA FOR DOOR SHADES, PER LEAF	8	EA	123.49	988
	INTERIOR GLAZING/FRAMES				
	INTERIOR WINDOWS	106	SF	77.18	8,198
	INT. STOREFRONTS	364	SF	77.18	28,091
	CUSTOM CLERESTORY WINDOW	105	SF	82.33	8,644
	SUBTOTAL				401,195
9.0	FINISHES				\$
	EXTERIOR WALLS				
	CERAMIC WALL PANEL + C-HANGERS + CONCEALED FASTENERS + MOUNTING BRACKETS	9,908	SF	41.78	413,971
	FIBER CEMENT PANEL + VERTICAL CHANNELS	2,516	SF	23.67	59,552
	METAL WALL PANEL + FASTENERS	512	SF	29.33	15,017
	ROOF MEMBRANE	240	SF	5.66	1,358
	POLY-ISO RIGID INSULATION	13,176	SF	3.86	50,848
	WATERPROOFING MEMBRANE	13,176	SF	1.80	23,729
	5/8" GWB SHEATHING	1,087	SF	3.86	4,195
	GWB + PAINT - INT. OF EXT. WALLS	11,500	SF	3.86	44,378
	BATT INSULATION	11,500	SF	1.03	11,834
	CONVEX BEAM ENCLOSURES				
	METAL PANEL SIDINGS + STUD FRAMES	1,668	SF	32.93	54,929
	BALCONY WALKWAY SIDE				
	CEMENT BOARD + V.B. - ASSUMED 5/8"	360	SF	5.66	2,038
	CERAMIC WALL TILE + THIN-SET MORTAR	360	SF	19.30	6,946
	WINDOW SURROUNDS @ SOUTH 2ND FLR				
	CERAMIC WALL PANEL + C-HANGERS + CONCEALED FASTENERS + MOUNTING BRACKETS	92	SF	29.84	2,731
	FIBER CEMENT PANEL + VERTICAL CHANNELS	267	SF	6.82	1,819
	INTERIOR WALLS				
	5/8" GWB + PAINT	13,683	SF	3.55	48,580
	5/8" GWB, WATER-RESISTANT	1,125	SF	2.83	3,184
	CERAMIC WALL TILE + THIN-SET MORTAR	1,125	SF	19.30	21,708
	4'H FRP LINER - ALLOWANCE @ JANITOR ROOM	252	SF	8.75	2,204
	SHAFT LINER - (2) GWB + PAINT	1,570	SF	6.95	10,906
	GWB ENCLOSURE + PAINT + WOOD FRAMES - BELOW CONVEX BEAM	464	SF	7.72	3,581
	FLOOR FINISHES				
	CARPET TILE FLOOR	1,872	SF	6.08	11,390
	LINOLEUM SHEET FLOOR	4,172	SF	16.47	68,694
	CERAMIC FLOOR TILE	802	SF	16.98	13,618
	POLISHED SEALED CONCRETE FLOOR	2,104	SF	3.86	8,120
	SEALED CONCRETE FLOOR	1,442	SF	1.03	1,484
	CERAMIC TILE BASE	218	LF	16.47	3,590
	RESILIENT BASE	1,640	LF	4.06	6,667

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	BALCONY FLOOR FINISH				
	RAISED PAVERS ON PEDESTAL	1,520	SF	8.75	13,296
	CEILING				
	CONVEX CEILING (HOR. AREA, 4'H @ CONVEX) - ACOUSTICAL WOOD CEILING PANELS ON CONVEX SUBSTRATE + FRAMES	2,280	SF	23.67	53,966
	ACOUSTICAL WOOD CEILING + WOOD FRAMES	1,800	SF	17.49	31,490
	2' X 2' ACT T-BAR CEILING	2,900	SF	4.94	14,325
	5/8" GWB CEILING + WOOD FRAMES + PAINT	2,770	SF	10.24	28,364
	5/8" GWB CEILING, WATER-RESISTANT + WOOD FRAMES + PAINT	642	SF	10.55	6,772
	VERT. SOFFIT, 3'H WOOD PANEL + WOOD STUDS	38	LF	31.64	1,203
	VERT. SOFFIT, 2'H GWB + PAINT + 3.5'H WD STUDS	61	LF	31.14	1,900
	GWB VERT. SOFFITS + PAINT + WOOD FRAMES	670	SF	10.24	6,860
	EXTERIOR SOFFIT/CEILING				
	FIBER CEMENT PANEL SOFFIT + WOOD STUD FRAMES + SHEATHING/V.B. + ATTACHMENTS	232	SF	18.40	4,268
	CEMENT PLASTER SOFFIT + WOOD STUD FRAMES + SHEATHING/V.B. + ATTACHMENTS	662	SF	24.18	16,010
	MISCELLANEOUS				
	MISC. PAINTING ALLOWANCE	1	LS	11,073.12	11,073
	SUBTOTAL				1,086,598

10.0	SPECIALTIES
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	TOILET PARTITIONS				
	TOILET PARTITION, ADA	2	EA	1,234.92	2,470
	TOILET PARTITION, STANDARD	1	EA	1,080.56	1,081
	URINAL SCREEN	1	EA	874.74	875
	ACCESSORIES				
	BABY CHANGING STATION, WALL MOUNT	4	EA	643.19	2,573
	COMB. PAPER TOWEL DISPENSER/WASTE BIN	2	EA	770.80	1,542
	WASTE RECEPTACLE	2	EA	375.62	751
	MIRROR, 2'W X 2.5'H	2	EA	154.37	309
	MIRROR, 6'W X 3.5'H	2	EA	540.28	1,081
	MIRROR, 1.5'W X 6.75'H	1	EA	260.49	260
	SANITARY NAPKIN DISPOSAL	2	EA	207.88	416
	TOILET SEAT COVER DISPENSER	5	EA	180.09	900
	TOILET PAPER DISPENSER	5	EA	56.60	283
	GRAB BARS	4	PR	308.73	1,235
	SOAP DISPENSER	4	EA	250.07	1,000
	COAT HOOK	4	EA	36.02	144
	6" X 18" S/S SHELF	2	EA	118.35	237
	HAND DRYER - ALLOWANCE	4	EA	694.64	2,779
	CLASSROOM SINK ACCESSORIES, PER FIXTURE	4	EA	257.28	1,029
	FOOD SERVICE SINK ACCESSORIES, PER FIXTURE	2	EA	257.28	515
	ART STUDIO SINK ACCESSORIES, PER FIXTURE	1	EA	257.28	257
	JANITOR ACCESSORIES, PER ROOM	2	EA	411.64	823

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	LAUNDRY ROOM ACCESSORIES, PER ROOM	1	EA	411.64	412
	FOLDING PARTITION				
	SOUND-RATED FOLDING PARTITION, 11'H + CEILING TRACK	29	LF	679.21	19,697
	VISUAL BOARDS - ALLOWANCES				
	MARKER BOARDS/VISUAL AIDS	96	SF	18.52	1,778
	WHITEBOARD - CLASSROOMS	160	SF	21.61	3,458
	TACKBOARD SURFACE - CLASSROOMS	64	SF	15.44	988
	FIRE PROTECTION SPECIALTIES				
	FIRE EXTINGUISHER + CABINET - ALLOWANCE	7	EA	540.28	3,782
	SIGNAGE				
	SIGNAGE - BUILDING	10,392	GSF	2.08	21,611
	MISC. SPECIALTIES ALLOWANCES				
	EXTERIOR PLANTER BOX, 2'W X 7'L	3	EA	905.61	N/A PER ARCH,
	ENCLOSURE TO EXTERIOR STEEL COLUMNS, +/-12"Ø	16	LF	129.25	N/A PER ARCH,
	ENTRY FLOOR MATS	78	SF	25.73	2,007
	STEPS NOSING STRIP	219	LF	7.72	1,686
	MISC. WALL COVERINGS	1	LS	7,718.25	7,718
	MISC. SPECIALTIES	10,392	GSF	0.10	1,069
	SUBTOTAL				84,766

11.0 EQUIPMENT

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FOOD/SERVICE EQUIPMENT

FOOD STORAGE EQUIPMENT ALLOWANCE	1	LS	3,601.85	3,602
REFRIGERATOR, ENERGY STAR-RATED	1	EA	2,264.02	2,264
MICROWAVE OVEN - ALLOWANCE	1	EA	874.74	875
GARBAGE DISPOSER, S/S, 3/4 HP - COMM'L GRADE	2	EA	3,910.58	7,821
UNDER-COUNTER WATER FILTER AT S-2 & S-6	2	EA	300.00	600
DISHWASHER	1	EA	1,929.56	N/A PER ARCH.

LAUNDRY EQUIPMENT

LAUNDRY WASHER, FRONT-LOADED, ADA	1	EA	2,572.75	2,573
LAUNDRY DRYER, FRONT-LOADED, ADA	1	EA	2,058.20	2,058

SMC CLASS EQUIPMENT

PULL DOWN PROJECTION SCREEN	2	EA	1,296.67	2,593
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MISC. EQUIPMENT ALLOWANCES

KILN (ELECTRIC- VENTING & ELECTRICAL INCLUDE'D)	1	EA	6,000.00	6,000
MISC. EQUIPMENT ALLOWANCES	10,392	GSF	0.10	1,069

SUBTOTAL**29,455**

12.0 FURNISHINGS

\$

WINDOW SHADES

WINDOW SHADES, MANUAL	2,303	SF	7.98	18,368
WINDOW SHADES, MOTORIZED - CLERESTORY	840	SF	12.35	10,373

SUBTOTAL**28,741**

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
13.0	SPECIAL CONSTRUCTION				\$
	PHOTO-VOLTAIC PANELS				
	PV PANELS (3'W X 4.5'L X 105 PANELS) + CIRCUITRY + ROOF PV PANEL	1,418	SF	68.95	97,736
	EXTRA FOR SECONDARY FRAMES	1,418	SF	10.29	14,587
	SUBTOTAL				112,323
14.0	CONVEYING				\$
	PASSENGER ELEVATOR				
	HYDRAULIC ELEVATOR, 2-STOP	1	EA	109,084.60	109,085
	SUBTOTAL				109,085
21.0	FIRE SUPPRESSION				\$
	FIRE PROTECTION				
	FIRE PROTECTION, WET SYSTEM - BUILDING	10,392	SF	5.15	53,472
	FIRE PROTECTION, WET SYSTEM - SOFFITS	894	SF	4.63	4,140
	SUBTOTAL				57,612
22.0	PLUMBING				\$
	PLUMBING EQUIPMENT				
	GAS-FIRED WATER HEATER, 60 GAL @ 197 GPH + 4" FLUE THRU ROOF	1	EA	5,009.14	5,009
	CIRCULATING PUMP, 2 GPM @ 10 FT HEAD	1	EA	413.70	414
	EXPANSION TANK, 6.4 GAL	1	EA	488.82	489
	TEMPERING VALVE, 1", 0.50 GPM MIN. - 12.5 GPM MAX.	1	EA	203.50	204
	ROUGH-INS AT EQUIPMENT	4	EA	463.10	1,852
	PLUMBING FIXTURES				
	WATER CLOSET, HARDWIRED SENSOR, FLOOR - REG	1	EA	1,206.11	1,206
	WATER CLOSET, HARDWIRED SENSOR, FLOOR - ADA	4	EA	1,251.51	5,006
	OVAL LAVATORY, UNDERCOUNTER, BATTERY- OPERATED FAUCET - ADA	2	EA	1,198.90	2,398
	LAVATORY, WALL, BATTERY-OPERATED FAUCET - ADA	2	EA	1,188.61	2,377
	URINAL, WALL - ADA	1	EA	1,559.09	1,559
	2-COMPARTMENT SINK, MANUAL FAUCET - FACULTY	2	EA	1,533.36	3,067
	2-COMPARTMENT ART SINK, MANUAL FAUCET	1	EA	1,764.91	1,765
	CLASSROOM SINK, 6 1/2"D W/ MANUAL FAUCET	2	EA	1,533.36	3,067
	CLASSROOM SINK, 10"D W/ MANUAL FAUCET	2	EA	1,610.03	3,220
	DRINK'G FOUNTAIN, INT, HI-LO WITH BOTTLE FILLER, COOLER	1	EA	6,500.00	6,500
	DRINK'G FOUNTAIN, EXT, HI-LO WITH BOTTLE FILLER, COOLER	1	EA	4,000.00	4,000
	SERVICE SINK, FLOOR - C.I. ACID-RESISTANT	2	EA	1,183.47	2,367
	LAUNDRY SINK, 10"D W/ MANUAL FAUCET, WALL	1	EA	1,193.76	1,194
	LAUNDRY BOX	1	EA	161.57	162

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	ROUGH-INS AT FIXTURES	22	EA	578.87	12,735
	ROUGH-INS AT - LAUNDRY WASHER	1	EA	347.32	N/A PER ARCH.
	ROUGH-INS AT DISHWASHER	1	EA	347.32	347
	ROUGH-INS AT WATER FILTER	1	EA	347.32	347
	ROUGH-INS AT REFRIGERATOR WATER SUPPLY + RECESSED WALL BOX/SOV	1	EA	347.32	347
	COLD WATER				
	3/4" CW PIPE	300	LF	20.57	6,172
	1" CW PIPE	160	LF	26.38	4,220
	1 1/4" CW PIPE	10	LF	32.32	323
	1 1/2" CW PIPE	130	LF	37.19	4,835
	2" CW PIPE	90	LF	45.53	4,097
	2" CW PIPE, BELOW GRADE	10	LF	68.25	682
	1 1/2" SOV + WALL ACCESS PANEL	2	EA	576.30	1,153
	2" SOV + YARD BOX	1	EA	720.37	720
	HOSE BIBB, S/S RECESSED HOSE BOX W/ WALL FLANGE & ANTI-SIPHON DEVICE	6	EA	385.91	2,315
	HOSE BIBB, ROOF	1	EA	154.37	154
	HOSE BIBB	1	EA	128.64	129
	TRAP PRIMER + 1/2" PIPINGS	5	EA	169.80	849
	WATER HAMMER ARRESTOR - ALLOWANCE	5	EA	190.38	952
	1" BFP - MECH. MAKE-UP WATER	1	EA	1,600.25	1,600
	WALL ACCESS PANEL	10	EA	128.64	1,286
	HOT WATER				
	3/4" HW PIPE	530	LF	20.57	10,903
	INSULATION, 3/4" PIPE	530	LF	7.83	4,151
	WASTE & VENT				
	2" WASTE PIPE	52	LF	37.91	1,971
	3" WASTE PIPE	42	LF	42.49	1,785
	4" WASTE PIPE	252	LF	49.73	12,531
	2" WASTE PIPE - WALL/CEILING	144	LF	37.91	5,459
	3" WASTE PIPE - WALL/CEILING	22	LF	42.49	935
	4" WASTE PIPE - WALL/CEILING	104	LF	49.73	5,172
	1 1/2" VENT PIPE	390	LF	34.53	13,465
	2" VENT PIPE	214	LF	34.89	7,466
	3" VENT PIPE	74	LF	38.57	2,854
	2" VTR	4	EA	211.37	845
	3" VTR	2	EA	362.65	725
	WALL CLEANOUT, 2"	2	EA	154.37	309
	WALL CLEANOUT, 4"	1	EA	172.89	173
	FLOOR SINK	1	EA	355.04	355
	FLOOR DRAIN	5	EA	488.82	2,444
	ROOF WASTE RECEPTOR	2	EA	694.64	1,389
	4" FLOOR CLEANOUT	1	EA	344.75	345
	4" YARD CLEANOUT	2	EA	488.82	978
	ROOF/BALCONY DRAINS				
	3" RD/OD	10	PR	413.70	4,137
	4" RD/OD	1	PR	475.75	476
	3" OD/SD PIPE	710	LF	42.49	30,169

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ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	4" OD/SD PIPE	50	LF	49.73	2,486
	4" SD PIPE, BELOW GRADE	25	LF	56.93	1,423
	NATURAL GAS				
	3/4" GAS PIPE	94	LF	15.33	1,441
	1" GAS PIPE	22	LF	18.73	412
	1' GAS PIPE - BELOW GRADE	92	LF	22.19	2,041
	3/4"GAS COCK + FLEX. CONNECTOR	1	EA	463.10	463
	1"GAS COCK + FLEX. CONNECTOR	3	EA	694.64	2,084
	1' GAS COCK + YARD BOX	1	EA	169.80	170
	GAS PRESSURE REGULATOR, 5 PSI	1	EA	385.91	386
	CONDENSATE DRAINS				
	3/4" CD PIPE	100	LF	20.57	2,057
	INSULATION, 3/4" PIPE	100	LF	7.83	783
	POC TO SINK TAIL PIECE	3	EA	169.40	508
	MISCELLANEOUS				
	MISC. VALVES & SPECIALTIES	10,392	GSF	2.10	21,859
	MISC. PLUMBING SYSTEM	10,392	GSF	0.56	5,857
	TESTING	1	LS	7,409.52	7,410
	SUBTOTAL				247,536

23.0	HEAT, VENT & AIR CONDITIONING
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HVAC EQUIPMENT

GAS-ELECTRIC PACKAGED ROOFTOP AC UNITS

- 3400 CFM, 10 TONS	1	EA	22,660.78	22,661
- 3800 CFM, 10 TONS	1	EA	22,794.08	22,794
- EXTRA FOR ECONOMIZER/POWER EXHAUST	2	EA	1,699.56	3,399
- EXTRA FOR VFD	32	HP	396.20	12,679

SPLIT SYSTEM AC UNITS

- ROOFTOP CONDENSER, 1940 CFM	1	EA	3,883.69	3,884
- GROUND MOUNT CONDENSER, 1940 CFM	2	EA	4,019.62	8,039
- INDOOR UNIT, 850 CFM W/ CD PUMP - CEILING	1	EA	4,373.68	4,374
- INDOOR UNIT, 1000 CFM - WALL	2	EA	4,677.73	9,355

EXHAUST SYSTEM

- ROOF EXHAUST FAN, 1600 CFM	1	EA	1,975.87	1,976
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VAV UNITS - SINGLE DUCT W/ REHEAT

- SIZE 5, 80 CFM	2	EA	493.97	988
- SIZE 5, 110-120 CFM	5	EA	617.46	3,087
- SIZE 6, 250 CFM	1	EA	1,029.10	1,029
- SIZE 6, 310-340 CFM	3	EA	1,254.22	3,763
- SIZE 8, 360-390 CFM	2	EA	1,447.17	2,894
- SIZE 8, 430 CFM	1	EA	1,836.94	1,837
- SIZE 8, 510 CFM	1	EA	1,705.73	1,706
- SIZE 10, 800 CFM	2	EA	1,852.38	3,705
- SIZE 10, 830 CFM	1	EA	1,921.84	1,922
- SIZE 10, 930 CFM	1	EA	2,057.69	2,058

HYDRONIC SYSTEM EQUIPMENT

- BOILER W/ PUMP, 85 MBH + FLUE	2	EA	15,392.72	30,785
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ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	- HEATING HOT WATER PUMP, 5 GPM @ 40 FT HEAD	2	EA	5,865.87	11,732
	- EXPANSION TANK, 2.5 GAL	1	EA	2,058.20	2,058
	- AIR SEPARATOR, 5 GPM	1	EA	8,438.62	8,439
	- CHEMICAL POT FEEDER - ALLOWANCE	1	EA	1,003.37	1,003
	DUCTWORK & ACCESSORIES				
	DUCTWORK	9,055	LBS	13.61	123,284
	INSULATION	6,900	SF	3.86	26,628
	EQUIPMENT FLEXIBLE CONNECTOR	4	EA	154.37	617
	CEILING DIFFUSER	32	EA	128.64	4,116
	CEILING EXHAUST GRILLE	12	EA	108.06	1,297
	LINEAR SLOT DIFFUSER, 6'L	20	EA	277.86	5,557
	DUMMY LINEAR SLOT DIFFUSER	53	LF	27.79	1,473
	SIDEWALL REGISTER	13	EA	190.38	2,475
	MANUAL VOLUME DAMPER	65	EA	97.76	6,355
	DUCT SMOKE DETECTOR	2	EA	771.83	1,544
	ALLOWANCE FOR FSD	4	EA	437.37	1,749
	REFRIGERANT PIPINGS (2-PIPE) + INSULATION	220	LF	19.04	4,188
	DRYER VENT, 4"	10	LF	12.35	123
	DRYER VENT, 6"	16	LF	15.44	247
	HYDRONIC PIPINGS				
	1/2" HWS/R PIPE	460	LF	12.69	5,837
	3/4" HWS/R PIPE	520	LF	15.61	8,118
	1" HWS/R PIPE	170	LF	19.00	3,230
	1" HWS/R PIPE - BELOW GRADE	36	LF	21.61	778
	INSULATION, 1/2" PIPE	460	LF	14.44	6,642
	INSULATION, 3/4" PIPE	520	LF	14.63	7,610
	INSULATION, 1" PIPE	170	LF	15.04	2,556
	INSULATION + PIPE WRAP, 1" PIPE	36	LF	17.61	634
	MISC. VALVES & SPECIALTIES	1	LS	2,778.57	2,779
	CONTROLS - DDC				
	ROOFTOP AC UNIT	2	EA	5,762.96	11,526
	ROOF EXHAUST FAN	1	EA	720.37	720
	VAVs	19	EA	1,440.74	27,374
	SPLIT SYSTEM UNITS	3	PR	2,881.48	8,644
	HYDRONIC EQUIPMENTS	4	EA	720.37	2,881
	THERMOSTAT	22	EA	566.01	12,452
	CO2 SENSORS	5	EA	385.91	1,930
	EQUIPMENT PLATFORM & SUPPORTS				
	ROOF PLATFORM & ANCHORAGE - ROOFTOP AC	2	EA	1,111.43	2,223
	ROOF PLATFORM & ANCHORAGE - ROOFTOP CU	1	EA	926.19	926
	CONCRETE PAD & ANCHORAGE - OUTDOOR CUs	2	EA	617.46	1,235
	ROOF CURB & ANCHORAGE - EXHAUST FAN	1	EA	385.91	386
	SUPPORTS/HANGERS - VAVs/INDOOR FCs	22	EA	463.10	10,188
	PADS & ANCHORAGES - HYDRONIC EQUIPMENT	7	EA	385.91	2,701
	ROOF DUCT SUPPORT	10	EA	463.10	4,631
	MISCELLANEOUS				
	MISC. HVAC SYSTEM	10,392	GSF	1.17	12,139
	TESTING & BALANCING	1	LS	12,452.11	12,452

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
SUBTOTAL					496,412
26.0	ELECTRICAL				\$
	ELECTRICAL EQUIPMENT				
	MAIN SWITCHBOARD & DISTRIBUTION, 1600A BUS-208/120V-3PH-4W W/ (1) PULL SECTION, (1) METER SECTION, (1) 1600A/3P CB MAIN SECTION, (2) 400A/3P CB, (5) 250A/3P CB OUTGOING SECTIONS + (1) 450A/3P CB SPARE & (5) 250A/3P CB SPARE SECTIONS	1	EA	39,677.12	39,677
	MAIN GROUND BUS ASSEMBLY	1	EA	2,058.20	2,058
	GROUNDING - 1" CONDUIT W/ #3/0 CU WIRE	3	EA	771.83	2,315
	PANEL BOARDS				
	PANEL BOARD, 225A BUS-208/120V-3P-4W-60 CKTS.	1	EA	7,878.79	7,879
	PANEL BOARD, 400A BUS-208/120V-3P-4W-84 CKTS.	1	EA	9,683.83	9,684
	EMERGENCY PANEL, 12 CKTS.	1	EA	4,630.95	4,631
	CENTRAL BATTERY SYSTEM CABINET	2	EA	771.83	1,544
	LIGHTING CONTROL PANEL	2	EA	3,743.04	7,486
	PV INVERTER, 250A MAIN-208/120V	1	EA	3,313.70	3,314
	ELEVATOR DISCONNECT, 250A/3P	1	EA	2,083.93	2,084
	SECONDARY FEEDERS				
	1" EMT CONDUIT	35	LF	8.73	305
	2 1/2" EMT CONDUIT	55	LF	13.78	758
	#10 CU WIRE	35	LF	1.65	58
	#6 CU WIRE	70	LF	2.86	200
	#2 CU WIRE	55	LF	6.10	336
	#250 MCM	220	LF	19.20	4,225
	250A/3P FEEDER - ELEVATOR	120	LF	90.67	10,881
	EMERG. PANEL FEEDER	30	LF	142.02	4,260
	LIGHTING CONTROL PANEL FEEDER	40	LF	34.99	1,400
	(2) - 2" EMT CONDUIT ROUGH-IN - PV INVERTER	40	LF	28.26	1,130
	(2) - 2" GRC CONDUIT ROUGH-IN - ROOF PV PANEL	100	LF	52.77	5,277
	BRANCH POWER				
	DUPLEX RECEPTACLE	88	EA	123.49	10,867
	DOUBLE DUPLEX RECEPTACLE	21	EA	159.51	3,350
	DUPLEX RECEPTACLE, WP	8	EA	157.45	1,260
	DUPLEX RECEPTACLE, GFI	16	EA	162.60	2,602
	DUPLEX RECEPTACLE, GFI-WP	10	EA	171.86	1,719
	JUNCTION BOX	66	EA	36.02	2,377
	BRANCH POWER CIRCUIT, EMT/CU WIRES	4,180	LF	7.41	30,972
	SIGNAL POWER HOOK-UPS	4	EA	347.32	1,389
	SHADE POWER SUPPLY + HOOK-UP	1	EA	694.64	695
	HVAC/PLUMBING POWER				
	DISCONNECT SWITCH, 30A/2P-NEMA 1	3	EA	261.39	784
	DISCONNECT SWITCH, 30A/1P-NEMA 3R	3	EA	336.52	1,010
	DISCONNECT SWITCH, 60A/2P-NEMA 3R	5	EA	523.81	2,619
	DISCONNECT SWITCH, 100A/3P-NEMA 3R	2	EA	767.71	1,535
	JUNCTION BOX	26	EA	46.31	1,204
	EMT/CU WIRES - FLUSH VALVE SENSOR	120	LF	11.83	1,420

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	EMT/CU WIRES - VAV CIRCUIT	500	LF	11.83	5,917
	EMT/CU WIRES - WATER HEATER/CIRC. PUMP	100	LF	11.83	1,183
	EMT/CU WIRES - 30A/1P CKT.	40	LF	11.83	473
	EMT/CU WIRES - 60A/2P CKT.	40	LF	11.83	473
	EMT + (2) #10 + GND WIRES	250	LF	12.02	3,005
	EMT + (2) #8 + GND WIRES	240	LF	13.42	3,221
	EMT + (3) #2 + GND WIRES	180	LF	30.29	5,452
	PVC/CU WIRES - 30A/1P CKT.	30	LF	8.29	249
	PVC/CU WIRES - 60A/2P CKT.	35	LF	13.71	480
	GRC/CU WIRES - 30A/1P CKT.	30	LF	16.89	507
	GRC/CU WIRES - 60A/2P CKT.	35	LF	24.91	872
	DUCTBANK	35	LF	48.24	1,688
	LIGHTING				
	A - 2x4 RECESSED ARCHT'L. LED TROFFER W/ FLOATING CENTER & DIMMING, 58W LED	26	EA	441.33	11,475
	B45 - 2x4 RECESSED LED LENSED TROFFER W/ DIMMING, 45W LED	10	EA	415.94	4,159
	B60 - 2x4 RECESSED LED LENSED TROFFER W/ DIMMING, 60W LED	3	EA	421.82	1,265
	C - 6" X 4'L SURFACE ARCHT'L. LED WRAP-AROUND, 38.8W LED	8	EA	219.51	1,756
	C1 - 6" X 8'L SURFACE ARCHT'L. LED WRAP-AROUND, 80W LED	3	EA	241.46	724
	CC - WALL MOUNT LED CYLINDER, 47W LED	3	EA	363.07	1,089
	D1 - 20'L WALL MOUNT LINEAR LED UP/DOWN FIXTURE W/ DIMMING, 13.5W/FT LED	4	EA	463.10	1,852
	D1 - 16'L WALL MOUNT LINEAR LED UP/DOWN FIXTURE W/ DIMMING, 13.5W/FT LED	3	EA	370.48	1,111
	D3 - 4'L LED WALL MOUNT FIXTURE	3	EA	277.86	834
	DD - 2" LED DOWNLIGHT CYLINDER W/ DIMMING, 13W	6	EA	283.41	1,700
	E - 2'L UNDERCABINET LIGHT, 29W LED	2	EA	83.36	167
	E - 4'L UNDERCABINET LIGHT, 29W LED	71	EA	185.24	13,152
	F - 3" LED DOWNLIGHT W/ DIMMING, 18W LED	1	EA	208.39	208
	F1 - SOFFIT LED FIXTURE	11	EA	260.07	2,861
	F2 - CEILING LED FIXTURE	48	EA	218.58	10,492
	FF - 3" LED DOWNLIGHT W/ DIMMING, 13W LED	17	EA	370.48	6,298
	G - WALL MOUNT LED CYLINDER, 23.4W LED	3	EA	366.77	1,100
	GG - 4" X 12" LED STEPLIGHT W/ DIMMING	33	EA	205.24	6,773
	H - 24" RING W/ UP & DOWN LED FIXTURE + DIMMING, 82W LED	6	EA	714.65	4,288
	J - 60" RING W/ UP & DOWN LED FIXTURE + DIMMING, DUAL CIRCUIT, 204W LED	26	EA	1,163.29	30,246
	M - LED JELLY JAR, 31W LED	1	EA	163.01	163
	N - 4'L OVER THE MIRROR VANITY, 31W LED	4	EA	166.71	667
	JUNCTION BOX	56	EA	37.05	2,075
	LUTRON WIRELESS OCCUPANCY SENSOR	24	EA	347.32	8,336
	LUTRON WIRELESS 3-BUTTON WALL STATION	26	EA	319.54	8,308
	LUTRON DAYLIGHT HARVESTING SENSOR	11	EA	310.27	3,413
	LUTRON GRAFIK EYE, 8 ZONES	1	EA	402.89	403

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	(2) - REMOTE DRIVER	2	EA	370.48	741
	(3) - REMOTE DRIVER	3	EA	555.71	1,667
	(6) - REMOTE DRIVER	1	EA	1,111.43	1,111
	(12) - REMOTE DRIVER	1	EA	1,670.00	1,670
	LIGHTING CIRCUIT, EMT/CU WIRES	6,255	LF	7.62	47,634
	MISCELLANEOUS				
	MISC. ELECTRICAL SYSTEM	10,392	GSF	3.09	32,083
	TESTING	1	LS	8,335.71	8,336
	SUBTOTAL				414,982

27.0 COMMUNICATIONS

\$

TELEPHONE/DATA SYSTEM

	DATA RACK	4	EA	797.55	3,190
	TEL./DATA OUTLET	46	EA	97.76	4,497
	TEL./DATA OUTLET - FLOOR	4	EA	180.09	720
	TEL./DATA EMT CONDUIT/CABLES	2,430	LF	12.06	29,308
	TELEPHONE BACKBOARD, 3/4" X 8'H - FIRE RATED	15	LF	41.16	597
	COMM. GROUND BUS ASSEMBLY	1	EA	771.83	772
	GROUNDING - 1" CONDUIT W/ CU WIRE	1	EA	566.01	566

PUBLIC ADDRESS SYSTEM

	PA/PAGING/INTERCOM	10,392	GSF	0.51	5,347
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CABLE TV SYSTEM

	CATV	10,392	GSF	0.46	4,812
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CLOCK SYSTEM

	CLOCK	10,392	GSF	0.41	4,278
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AUDIO/VISUAL SYSTEM

	AUDIO/VISUAL	10,392	GSF	1.03	10,694
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MISCELLANEOUS

	MISC. COMMUNICATIONS SYSTEM	10,392	GSF	0.62	6,478
	TESTING	1	LS	5,344.43	5,344

SUBTOTAL**76,603**

28.0 ELECTRONIC SAFETY & SECURITY
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\$

FIRE ALARM SYSTEM

	FIRE ALARM CONTROL PANEL	1	EA	4,913.95	4,914
	POWER SUPPLY - ALLOWANCE	1	EA	2,058.20	2,058
	F.A. ANNUNCIATOR - ALLOWANCE	1	EA	2,109.66	2,110
	SMOKE DETECTOR	42	EA	365.33	15,344
	THERMAL DETECTOR	8	EA	169.80	1,358
	MANUAL REPORTING STATION	7	EA	488.82	3,422
	F.A. SPEAKER W/ VISUAL SIGNAL	16	EA	358.13	5,730
	F.A. SPEAKER W/ VISUAL SIGNAL, WP	8	EA	385.91	3,087
	VISUAL ALARM SIGNAL	21	EA	358.13	7,521
	VISUAL ALARM SIGNAL, WP	2	EA	385.91	772
	F.A. CIRCUIT, EMT/CU WIRES	3,210	LF	10.85	34,818

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - ADMINISTRATION BUILDING	BUILDING GSF:	10,392

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	SECURITY SYSTEM				
	SECURITY SYSTEM	10,392	GSF	0.77	8,021
	MISCELLANEOUS				
	MISC. ELECTRONIC SAFETY & SECURITY SYSTEM TESTING	10,392	GSF	0.21	2,229
		1	LS	5,030.00	5,030
	SUBTOTAL				96,414
31.0	EARTHWORK				\$
	OVER EXCAVATION				
	ALLOWANCE, BUILDING PAD OVER EXCAVATION - ASSUMED 5'D BELOW FOOTING (6.5'D TOTAL)	1,867	CY	12.35	23,058
	SUBTOTAL				23,058

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
<u>SUMMARY OF ESTIMATE</u>					TOTAL
1.0	GENERAL REQUIREMENTS				
2.0	EXISTING CONDITIONS				
3.0	CONCRETE	6.3%		25.74	\$151,901
4.0	MASONRY				
5.0	METALS	4.1%		16.98	\$100,198
6.0	WOODS, PLASTICS & COMPOSITES	15.6%		63.94	\$377,384
7.0	THERMAL & MOISTURE PROTECTION	5.2%		21.21	\$125,163
8.0	OPENINGS	8.0%		32.83	\$193,787
9.0	FINISHES	24.5%		100.74	\$594,550
10.0	SPECIALTIES	0.8%		3.48	\$20,565
11.0	EQUIPMENT	1.2%		4.98	\$29,397
12.0	FURNISHINGS	0.4%		1.51	\$8,893
13.0	SPECIAL CONSTRUCTION				
14.0	CONVEYING				N/A
21.0	FIRE SUPPRESSION	1.4%		5.73	\$33,833
22.0	PLUMBING	9.4%		38.60	\$227,815
23.0	HEAT, VENT & AIR CONDITIONING	11.0%		45.33	\$267,557
26.0	ELECTRICAL	7.7%		31.60	\$186,517
27.0	COMMUNICATIONS	1.3%		5.44	\$32,084
28.0	ELECTRONIC SAFETY & SECURITY	2.5%		10.17	\$60,044
31.0	EARTHWORK	0.6%		2.60	\$15,319
TOTAL ESTIMATED SUBCONTRACTOR COST				\$410.88	\$2,425,007
ESTIMATE PRORATES:					
	GENERAL CONDITIONS	8.5%		34.92	\$206,126
	SUB TOTAL				\$2,631,133
	GC'S OH&P	6.5%		28.98	\$171,024
	SUB TOTAL				\$2,802,156
	BOND	1.8%		8.31	\$49,038
	SUB TOTAL				\$2,851,194
	ESTIMATE/DESIGN CONTINGENCY	5.0%		24.15	\$142,560
	TOTAL ESTIMATED CURRENT BID COST				\$2,993,754
	ESCALATION	5.4%		27.29	\$161,064
TOTAL ANTICIPATED BID COST				\$534.53	\$3,154,818

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
1.0	GENERAL REQUIREMENTS				\$
	<i>SEE SUMMARY FOR GENERAL CONDITION</i>				
	SUBTOTAL				
2.0	EXISTING CONDITIONS				\$
	<i>SEE SEPARATE SITEWORK ESTIMATE</i>				
	SUBTOTAL				
3.0	CONCRETE				\$
	FOUNDATION				
	SPREAD FOOTING	2	CY	668.92	1,338
	STRIP FOOTING	76	CY	694.64	52,458
	EXTRA FOR STEPPED FOOTING	8	EA	339.60	2,717
	8" STEM WALL W/ #5 @ 12" OCEW	163	SF	36.02	5,871
	SLAB ON-GRADE/CURB/TOPPINGS				
	SLAB ON-GRADE + V.B./BASE - ASSUME 5"/4"	5,902	SF	7.83	46,228
	THICKENED SLAB	32	CY	463.10	14,931
	CONCRETE CURB, 6"W	570	LF	19.06	10,863
	CONCRETE SEATWALL, 24"W X 18"H	36	LF	457.38	16,466
	MISC. CONCRETE				
	ALLOWANCE FOR MISC. CONCRETE/PADS	1	LS	1,029.10	1,029
	SUBTOTAL				151,901
4.0	MASONRY				\$
	<i>THIS SECTION NOT APPLICABLE</i>				
	SUBTOTAL				
5.0	METALS				\$
	STRUCTURAL STEEL				
	HSS COLUMNS	5,045	LBS	2.47	12,460
	HSS BEAMS	4,797	LBS	2.47	11,848
	DETAIL STEEL	984	LBS	2.83	2,785
	TIE-DOWN SYSTEM - ROOF DOWN TO FOOTING - SEE DWG. S-821	37	EA	566.01	20,942
	EXTERIOR SUN CONTROL/CANOPY				
	36"W HORIZONTAL TS FRAMED, PAINTED W/ ARCADIA 1" X 6" ALUM. FINS	12	LF	324.17	3,890
	66"W HORIZONTAL TS FRAMED, PAINTED W/ ARCADIA 1" X 6" ALUM. FINS	16	LF	594.31	9,509
	98"W HORIZONTAL TS FRAMED, PAINTED W/ ARCADIA 1" X 6" ALUM. FINS	29	LF	882.45	25,291
	TRANSLUCENT POLYCARBONATE PANEL	225	SF	15.44	3,469
	RAIN GUTTER	45	LF	12.35	556

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
METAL FABRICATIONS					
	ROOF HATCH + LADDER	1	EA	1,286.38	1,286
	S/S AIRCRAFT CABLES @ PATIO OPENING	274	LF	7.72	2,115
	S/S AIRCRAFT CABLES @ CLASSROOMS	390	LF	7.72	3,010
	MISC. METAL ALLOWANCE	5,902	GSF	0.51	3,037
	SUBTOTAL				100,198

6.0 WOODS, PLASTICS & COMPOSITES					\$
FINISH CARPENTRY					
	24"W BASE CABINET, PLAM + SPLASHGUARD	60	LF	411.64	24,698
	1.5'H UPPER CABINET	14	LF	257.28	3,602
	2.5'H UPPER CABINET	88	LF	283.00	24,904
	12"W SHELF, SOLID SURFACE	6	LF	66.89	401
	18"W SHELF, SOLID SURFACE	11	LF	87.47	962
	24"W BASE CAB, SOLID SURFACE	42	LF	437.37	18,369
	24"W LAVATORY COUNTER, SOLID SURFACE	3	LF	308.73	926
	18"W COUNTERTOP W/ CUBBIES BELOW	28	LF	205.82	5,763
	24"W OPEN COUNTER - OUTDOOR	22	LF	360.19	7,924
	MISC. FINISH CARPENTRY ALLOWANCE	5,902	GSF	0.38	2,252
ROUGH CARPENTRY					
	EXT. WOOD STUD - ASSUME 2" X 6"	10,686	SF	6.46	69,061
	EXT. WOOD STUD - ASSUME 2" X 6" @ STROLLER BARN	102	SF	6.46	657
	INT. WOOD STUD - ASSUME 2" X 4"	4,071	SF	5.66	23,042
	WOOD POST, 4" X 6"	336	LF	9.78	3,285
	HEADER, 4" X 12"	144	LF	11.32	1,630
	HEADER, 3 1/2" X 11 7/8" PARALLAM 2.2E	12	LF	24.31	292
	HEADER, 5 1/4" X 11 7/8" PARALLAM 2.2E	12	LF	36.47	438
	HEADER, 5 1/4" X 16" PARALLAM 2.2E	20	LF	48.62	972
	3 1/2" X 12" TIMBERSTRAND BLOCKING	390	LF	14.41	5,619
	ROOF JOIST, 11 7/8" TJI 210 @ 16" OC	2,840	SF	10.45	29,666
	ROOF JOIST, 11 7/8" TJI 560 @ 16" OC	1,270	SF	10.97	13,929
	ROOF JOIST, 16" TJI 560 @ 16" OC	2,540	SF	14.62	37,145
	ROOF BEAM, 4" X 12"	310	LF	11.32	3,509
	ROOF BEAM, 6" X 12"	172	LF	16.98	2,921
	ROOF BEAM, 3 1/2" X 11 7/8" PARALLAM 2.2E	90	LF	24.31	2,188
	ROOF BEAM, 5 1/4" X 14" PARALLAM 2.2E	20	LF	42.55	851
	ROOF BEAM, 5 1/4" X 16" PARALLAM 2.2E	124	LF	48.62	6,029
	1/2" STRUCT 1 SHEAR PLYWOOD - INTERIOR	1,075	SF	4.37	4,703
	1/2" STRUCT 1 SHEAR PLYWOOD - INT. OF EXT.	204	SF	4.37	892
	1/2" STRUCT 1 SHEAR PLYWOOD - EXTERIOR	3,889	SF	4.37	17,011
	EXTERIOR PLYWOOD SHEATHING OTHER THAN SHEAR PLYWOOD	9,643	SF	3.34	32,250
	EXTERIOR PLYWOOD SHEATHING TO STROLLER BARN WALLS & ROOF	204	SF	3.34	682
	PLYWOOD SHEATHING TO ROOFSIDE PARAPETS	1,488	SF	3.34	4,977

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	ROOF PLYWOOD SHEATHING	6,650	SF	2.83	18,820
	MISC. ROUGH CARPENTRY ALLOWANCE	5,902	GSF	1.19	7,014
	SUBTOTAL				377,384

7.0 THERMAL & MOISTURE PROTECTION	\$
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ROOFING & ACCESSORIES

SINGLE-PLY MEMBRANE ROOFING (SARNAFIL)	6,650	SF	5.66	37,639
COVER BOARD	6,650	SF	1.29	8,554
RIGID INSULATION, TAPERED	6,650	SF	3.60	23,952
MEMBRANE BASE FLASHING	832	LF	5.79	4,816
CANT STRIP + COVER FLASHING	106	LF	13.34	1,414
PARAPET CAP, 12"W	716	LF	16.98	12,158
ROOFING MEMBRANE TO ROOFSIDE PARAPETS	1,488	SF	3.86	5,742
ROOF WALKWAY PAD, 2' X 2'	43	EA	36.02	1,549

SKYLIGHT

SOLATUBE SKYLIGHT, 24"Ø	6	EA	3,877.65	23,266
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MISCELLANEOUS

MISC. SHEET METAL ALLOWANCE	5,902	GSF	0.26	1,518
MISC. CAULKING & SEALANTS ALLOWANCE	5,902	GSF	0.36	2,126
MISC. FIREPROOFING/FIRESTOPPING ALLOWANCE	5,902	GSF	0.41	2,429

SUBTOTAL**125,163**

8.0 OPENINGS	\$
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EXTERIOR DOORS & HARDWARES

SLIDING DOORS, (3) - 3'W X 8'H GLASS PANELS	2	EA	12,876.61	25,753
ALUM-GLASS DOOR/ALUM FRAME, (2) - 3'W X 8'H	2	PR	5,711.51	11,423
ALUM-GLASS DOOR/ALUM FRAME, 3'W X 8'H	7	EA	2,701.39	18,910
HM DOOR/HM FRAME, 3'W X 7'H + PAINT	4	EA	2,269.17	9,077
HM DOOR/HM FRAME, 2'W X 7'H + PAINT	1	EA	1,858.55	1,859
EXTRA FOR PANIC HARDWARE	10	EA	1,312.10	13,121
EXTRA FOR DOOR CLOSER, PER LEAF	14	EA	298.44	4,178
EXTRA FOR 60 MIN. FIRE RATING, PER LEAF	1	EA	77.18	77
EXTRA FOR DOOR SHADES, PER LEAF	6	EA	123.49	741

EXTERIOR GLAZING/FRAMES

PUNCHED WINDOWS	109	SF	84.39	9,193
LARGE WINDOWS	364	SF	80.27	29,222
STOREFRONTS	642	SF	80.27	51,561

INTERIOR DOORS & HARDWARE

SC WD DOOR/HM FRAME, 3'W X 7'H + PAINT	5	EA	2,161.11	10,806
SLIDING GLASS DOOR, 3'W X 8'H	1	EA	3,087.30	3,087
EXTRA FOR DOOR SHADES, PER LEAF	1	EA	123.49	123

INTERIOR GLAZING/FRAMES

STOREFRONTS	58	SF	80.27	4,656
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SUBTOTAL**193,787**

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
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9.0 FINISHES					\$
EXTERIOR WALLS					
	CERAMIC WALL PANEL + C-HANGERS + CONCEALED FASTENERS + MOUNTING BRACKETS	3,586	SF	41.78	149,828
	FIBER CEMENT PANEL + VERTICAL CHANNELS	7,200	SF	23.67	170,419
	FIBER CEMENT PANEL - DIRECTLY ATTACH TO SHEATHING @ ROOF MECH. WELLS	1,258	SF	15.44	19,419
	POLY-ISO RIGID INSULATION	10,786	SF	3.86	41,625
	WATERPROOFING MEMBRANE	12,044	SF	1.80	21,690
	5/8" GWB SHEATHING	903	SF	3.86	3,486
	5/8" GWB + PAINT - INT. OF EXT. WALLS	5,327	SF	3.86	20,558
	BATT INSULATION	6,629	SF	1.03	6,822
STROLLER BARN					
	FIBER CEMENT PANEL - DIRECTLY ATTACH TO WALL SHEATHING/STUD	80	SF	5.15	412
	FIBER CEMENT PANEL - DIRECTLY ATTACH TO ROOF/CEILING SHEATHING/STUD	123	SF	5.15	634
INTERIOR WALLS					
	5/8" GWB + PAINT	7,219	SF	3.55	25,630
	5/8" GWB, WATER-RESISTANT	923	SF	2.83	2,612
	CERAMIC WALL TILE + THIN-SET MORTAR	923	SF	19.30	17,810
	BATT INSULATION	4,071	SF	1.03	4,189
FLOOR FINISHES					
	CERAMIC FLOOR TILE	670	SF	16.98	11,377
	POLISHED SEALED CONCRETE FLOOR	4,992	SF	3.86	19,265
	SEALED CONCRETE FLOOR	240	SF	1.03	247
	CERAMIC TILE BASE	208	LF	16.47	3,425
	RESILIENT BASE	760	LF	4.06	3,089
CEILING					
	2' X 6' ACT T-BAR CEILING	2,662	SF	4.63	12,328
	5/8" GWB CEILING + WOOD FRAMES + PAINT	2,362	SF	10.24	24,186
	5/8" GWB CEILING, WATER-RESISTANT + WOOD FRAMES + PAINT	698	SF	10.55	7,363
	FIBER CEMENT PANEL + WOOD FRAMES + PAINT	180	SF	12.86	2,315
	VERT. SOFFIT, 2'H GWB + PAINT + 4'H WD STUDS	122	LF	34.47	4,206
	VERT. SOFFIT, 2'H FIBER CEMENT PANEL + PAINT + 4'H WD STUDS	46	LF	39.11	1,799
EXTERIOR SOFFIT/CEILING					
	FIBER CEMENT PANEL SOFFIT + WOOD STUD FRAMES + SHEATHING/V.B. + ATTACHMENTS	748	SF	18.40	13,760
MISCELLANEOUS					
	MISC. PAINTING ALLOWANCE	1	LS	6,056.19	6,056
SUBTOTAL					594,550

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
10.0	SPECIALTIES				\$
	TOILET/SINK ACCESSORIES				
	TOILET ACCESSORIES, PER FIXTURE	15	EA	308.73	4,631
	PREP SINK ACCESSORIES, PER FIXTURE	4	EA	257.28	1,029
	INDOOR/OUTDOOR SINK ACCESSORIES, PER FIXTURE	6	EA	205.82	1,235
	CHANGING STATION		EA	283.00	
	JANITOR SINK ACCESSORIES	1	EA	411.64	412
	COAT HOOK SHELF, 4'-0" L - ALLOWANCE	4	EA	231.55	926
	SIGNAGE/MISCELLANEOUS				
	TACKBOARD SURFACE - PRESCHOOL	320	SF	10.29	3,293
	FIRE EXTINGUISHER + CABINET	4	EA	463.10	1,852
	ENTRY FLOOR MATS - ALLOWANCE	120	SF	25.73	3,087
	SIGNAGE	5,902	GSF	0.39	2,278
	MISC. SPECIALTIES	5,902	GSF	0.31	1,822
	SUBTOTAL				20,565
11.0	EQUIPMENT				\$
	PREP EQUIPMENT				
	REFRIGERATOR, ENERGY STAR-RATED	4	EA	2,264.02	9,056
	MICROWAVE OVEN - ALLOWANCE	4	EA	874.74	3,499
	GARBAGE DISPOSER, S/S, 3/4 HP - COMM'L GRADE	4	EA	3,910.58	15,642
	DISHWASHER	4	EA	1,929.56	N/A PER ARCH.
	UNDER-COUNTER WATER FILTERS AT S-2	4	EA	300.00	1,200
	SUBTOTAL				29,397
12.0	FURNISHINGS				\$
	WINDOW SHADES				
	WINDOW SHADES, MANUAL	1,115	SF	7.98	8,893
	WINDOW SHADES, MOTORIZED @ SKYLIGHT		SF	12.35	
	SUBTOTAL				8,893
13.0	SPECIAL CONSTRUCTION				\$
	THIS SECTION NOT APPLICABLE				
	SUBTOTAL				
14.0	CONVEYING				\$
	THIS SECTION NOT APPLICABLE				
	SUBTOTAL				
21.0	FIRE SUPPRESSION				\$
	FIRE PROTECTION				
	FIRE PROTECTION, WET SYSTEM - BUILDING	5,902	SF	5.15	30,369
	FIRE PROTECTION, WET SYSTEM - SOFFITS	748	SF	4.63	3,464
	PRESCHOOL BLDG				

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
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SUBTOTAL**33,833****22.0 PLUMBING**

\$

PLUMBING EQUIPMENT

GAS-FIRED WATER HEATER, 60 GAL @ 197 GPH + 4" FLUE THRU ROOF	1	EA	5,009.14	5,009
CIRCULATING PUMP, 2 GPM @ 10 FT HEAD	1	EA	413.70	414
EXPANSION TANK, 6.4 GAL	1	EA	488.82	489
TEMPERING VALVE, 1", 0.50 GPM MIN. - 12.5 GPM MAX.	1	EA	203.50	204
ROUGH-INS AT EQUIPMENT	4	EA	463.10	1,852

PLUMBING FIXTURES

WATER CLOSET, HARDWIRED SENSOR, FLOOR - ADA	2	EA	1,251.51	2,503
WATER CLOSET, HARDWIRED SENSOR, FLOOR - KINDERGARTEN	6	EA	1,269.65	7,618
LAVATORY, WALL, BATTERY-OPERATED FAUCET - WASH FOUNTAIN/BASIN	4	EA	1,188.61	4,754
SINGLE SINK, MANUAL FAUCET - OUTDOOR	3	EA	660.68	1,982
SINGLE SINK, MANUAL FAUCET W/ CUP FILLER	2	EA	1,178.32	2,357
2-COMPARTMENT SINK, MANUAL FAUCET - PREP	4	EA	1,178.32	4,713
DRINKING FOUNTAIN, HI-LO - WALL MOUNT	4	EA	1,533.36	6,133
SERVICE SINK, FLOOR - C.I. ACID-RESISTANT	2	EA	1,054.83	2,110
ROUGH-INS AT FIXTURES	1	EA	1,183.47	1,183
ROUGH-INS AT DISHWASHER	28	EA	578.87	16,208
ROUGH-INS AT GARBAGE DISPOSER	4	EA	347.32	N/A PER ARCH.
ROUGH-INS AT REFRIGERATOR WATER SUPPLY + RECESSED WALL BOX/SOV	4	EA	347.32	1,389

COLD WATER

1/2" CW PIPE	70	LF	15.55	1,088
3/4" CW PIPE	384	LF	20.57	7,900
1" CW PIPE	68	LF	26.38	1,794
1 1/4" CW PIPE	10	LF	32.32	323
1 1/2" CW PIPE	220	LF	37.19	8,182
2" CW PIPE	126	LF	45.53	5,736
2" CW PIPE, BELOW GRADE	5	LF	68.25	341
2" SOV + WALL ACCESS PANEL	2	EA	752.53	1,505
2" SOV + YARD BOX	1	EA	720.37	720
HOSE BIBB, S/S RECESSED HOSE BOX W/ WALL FLANGE & ANTI-SIPHON DEVICE	4	EA	385.91	1,544
HOSE BIBB, ROOF	1	EA	154.37	154
ELECTRIC TRAP PRIMER + 1/2" PIPINGS	1	EA	262.42	262
TRAP PRIMER + 1/2" PIPINGS	3	EA	169.80	509
WATER HAMMER ARRESTOR - ALLOWANCE	2	EA	190.38	381
3/4" BFP - MECH. MAKE-UP WATER	1	EA	1,066.83	1,067
WALL ACCESS PANEL	5	EA	128.64	643

HOT WATER

3/4" HW PIPE	336	LF	20.57	6,912
1" HW PIPE	136	LF	26.38	3,587

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	1 1/4" HW PIPE	148	LF	32.32	4,784
	INSULATION, 3/4" PIPE	336	LF	7.83	2,631
	INSULATION, 1" PIPE	136	LF	8.00	1,087
	INSULATION, 1 1/4" PIPE	148	LF	8.64	1,279
	WASTE & VENT				
	2" WASTE PIPE	174	LF	37.91	6,597
	3" WASTE PIPE	4	LF	42.49	170
	4" WASTE PIPE	276	LF	49.73	13,724
	6" WASTE PIPE	46	LF	73.61	3,386
	2" WASTE PIPE - WALL/CEILING	88	LF	37.91	3,336
	1 1/2" VENT PIPE	454	LF	34.53	15,675
	2" VENT PIPE	438	LF	34.89	15,280
	3" VENT PIPE	12	LF	38.57	463
	2" VTR	2	EA	211.37	423
	3" VTR	3	EA	362.65	1,088
	FLOOR SINK	1	EA	355.04	355
	FLOOR DRAIN	3	EA	488.82	1,466
	ROOF WASTE RECEPTOR	5	EA	694.64	3,473
	4" YARD CLEANOUT	4	EA	488.82	1,955
	6" YARD CLEANOUT	1	EA	591.73	592
	ROOF DRAINS				
	4" RD/OD	3	PR	475.75	1,427
	4" OD/SD PIPE	90	LF	49.73	4,475
	4" SD PIPE, BELOW GRADE	15	LF	56.93	854
	NATURAL GAS				
	3/4" GAS PIPE	14	LF	15.33	215
	1" GAS PIPE	98	LF	18.73	1,836
	1 1/4" GAS PIPE	24	LF	21.30	511
	1 1/4" GAS PIPE - BELOW GRADE	5	LF	26.45	132
	3/4"GAS COCK + FLEX. CONNECTOR	1	EA	463.10	463
	1"GAS COCK + FLEX. CONNECTOR	5	EA	694.64	3,473
	GAS PRESSURE REGULATOR, 5 PSI	1	EA	385.91	386
	CONDENSATE DRAINS				
	3/4" CD PIPE	30	LF	20.57	617
	INSULATION, 3/4" PIPE	30	LF	7.83	235
	POC TO SINK TAIL PIECE	1	EA	169.40	169
	MISCELLANEOUS				
	MISC. VALVES & SPECIALTIES	5,902	GSF	3.41	20,120
	MISC. PLUMBING SYSTEM	5,902	GSF	0.91	5,391
	TESTING	1	LS	6,792.06	6,792
	SUBTOTAL				227,815

23.0	HEAT, VENT & AIR CONDITIONING				\$
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HVAC EQUIPMENT

GAS-ELECTRIC PACKAGED ROOFTOP AC UNITS

- 1000 CFM, 3 TONS	2	EA	8,685.60	17,371
- 1200 CFM, 4 TONS	2	EA	11,248.06	22,496

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	- EXTRA FOR ECONOMIZER/POWER EXHAUST SPLIT SYSTEM AC UNITS	4	EA	3,077.03	12,308
	- GROUND MOUNT CONDENSER, 1940 CFM	1	EA	4,019.62	4,020
	- INDOOR UNIT, 1000 CFM - WALL EXHAUST SYSTEM	1	EA	4,677.73	4,678
	- ROOF EXHAUST FAN, 800 CFM	1	EA	1,070.26	1,070
	HYDRONIC SYSTEM EQUIPMENT (RADIANT FLOOR HEATING)				
	- BOILER, 100 MBH + FLUE	1	EA	18,109.09	18,109
	- HEATING HOT WATER PUMP, 10 GPM @ 40 FT HEAD	2	EA	5,865.87	11,732
	- EXPANSION TANK, 1.0 GAL	1	EA	2,058.20	2,058
	- AIR SEPARATOR, 10 GPM	1	EA	8,438.62	8,439
	- CHEMICAL POT FEEDER - ALLOWANCE	1	EA	1,003.37	1,003
	DUCTWORK & ACCESSORIES				
	DUCTWORK	2,380	LBS	13.61	32,404
	INSULATION	2,050	SF	3.86	7,911
	EQUIPMENT FLEXIBLE CONNECTOR	8	EA	154.37	1,235
	CEILING DIFFUSER	20	EA	128.64	2,573
	CEILING EXHAUST GRILLE	7	EA	108.06	756
	MANUAL VOLUME DAMPER	20	EA	97.76	1,955
	DUCT SMOKE DETECTOR	4	EA	771.83	3,087
	ALLOWANCE FOR FSD	4	EA	437.37	1,749
	REFRIGERANT PIPINGS (2-PIPE) + INSULATION	30	LF	19.04	571
	HYDRONIC PIPINGS				
	1" HWS/R PIPE	480	LF	19.00	9,119
	INSULATION, 1" PIPE	480	LF	15.04	7,217
	MISC. VALVES & SPECIALTIES	1	LS	1,234.92	1,235
	RADIANT HEATING U/FLOOR PIPINGS				
	RADIANT FLOOR CONTROL VALVE MANIFOLD	3	EA	1,749.47	5,248
	HHWS & HHWR POLYETHYLENE TUBING COMPLETE W/ TEMPERATURE SENSORS & 3/8" VENTS	5,388	SF	1.54	8,317
	HIGH & LOW PRESSURE REFRIGERANTS (2-PIPE)	230	LF	28.56	6,568
	MISC. VALVES & SPECIALTIES	1	LS	14,921.95	14,922
	CONTROLS - DDC				
	ROOFTOP PACKAGED UNITS	4	EA	5,762.96	23,052
	RADIANT FLOOR CONTROL VALVE MANIFOLD	3	EA	1,440.74	4,322
	SPLIT SYSTEM UNITS	1	PR	2,881.48	2,881
	ROOF EXHAUST FAN	1	EA	720.37	720
	HYDRONIC EQUIPMENTS	3	EA	720.37	2,161
	THERMOSTAT	5	EA	566.01	2,830
	EQUIPMENT PLATFORM & SUPPORTS				
	ROOF PLATFORM & ANCHORAGE - AC UNITS	4	EA	1,111.43	4,446
	CONCRETE PAD & ANCHORAGE - OUTDOOR CU	1	EA	617.46	617
	ROOF CURB & ANCHORAGE - EXHAUST FAN	1	EA	385.91	386
	SUPPORTS/HANGERS - FC/HEAT MANIFOLDS	5	EA	488.82	2,444
	PADS & ANCHORAGES - HYDRONIC EQUIPMENT	6	EA	385.91	2,315
	MISCELLANEOUS				
	MISC. HVAC SYSTEM	5,902	GSF	1.11	6,543
	TESTING & BALANCING	1	LS	6,689.15	6,689

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
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SUBTOTAL**267,557****26.0 ELECTRICAL**

\$

ELECTRICAL EQUIPMENT

DISTRIBUTION PANEL, 400A BUS-208/120V-3PH-4W 1 EA 8,190.35 8,190

PANEL BOARDS

EMERGENCY PANEL, 12 CKTS. 1 EA 4,630.95 4,631

CENTRAL BATTERY SYSTEM CABINET 1 EA 771.83 772

LIGHTING CONTROL PANEL 1 EA 2,125.81 2,126

SECONDARY FEEDERS

3/4" EMT CONDUIT 25 LF 6.56 164

#12 CU WIRE 75 LF 1.26 94

EMERG. PANEL FEEDER 30 LF 142.02 4,260

LIGHTING CONTROL PANEL FEEDER 10 LF 34.99 350

BRANCH POWER

DUPLEX RECEPTACLE 5 EA 123.49 617

DUPLEX RECEPTACLE, WP 1 EA 157.45 157

DUPLEX RECEPTACLE, GFI 16 EA 162.60 2,602

DUPLEX RECEPTACLE, GFI-WP 10 EA 171.86 1,719

DUPLEX RECEPTACLE - SAFETY TYPE 26 EA 223.31 5,806

DUPLEX RECEPTACLE, WP - SAFETY TYPE 6 EA 208.91 1,253

DUPLEX RECEPTACLE, GFI - SAFETY TYPE 10 EA 214.05 2,141

DOUBLE DUPLEX RECEPTACLE - EMERGENCY 2 EA 160.54 321

JUNCTION BOX 25 EA 36.02 900

BRANCH POWER CIRCUIT, EMT/CU WIRES 1,818 LF 7.41 13,471

SIGNAL POWER HOOK-UPS 4 EA 347.32 1,389

HVAC/PLUMBING POWER

DISCONNECT SWITCH, 30A/2P-NEMA 1 1 EA 261.39 261

DISCONNECT SWITCH, 30A/1P-NEMA 3R 2 EA 336.52 673

DISCONNECT SWITCH, 30A/2P-NEMA 3R 2 EA 370.17 740

DISCONNECT SWITCH, 60A/2P-NEMA 3R 1 EA 476.19 476

DISCONNECT SWITCH, 60A/3P-NEMA 3R 4 EA 523.81 2,095

JUNCTION BOX 10 EA 46.31 463

EMT/CU WIRES - FLUSH VALVE SENSOR 180 LF 11.83 2,130

EMT/CU WIRES - WATER HEATER/CIRC. PUMP/ETP 120 LF 11.83 1,420

EMT/CU WIRES - FC/CU 40 LF 11.83 473

EMT + (2) #10 + GND WIRES 220 LF 12.02 2,644

EMT + (3) #8 + GND WIRES 300 LF - -

LIGHTING

B45 - 2x4 RECESSED LED LENSED TROFFER W/ 11 EA 415.94 4,575

DIMMING, 45W LED

B60 - 2x4 RECESSED LED LENSED TROFFER W/ 4 EA 421.82 1,687

DIMMING, 60W LED

C - 6" X 4'L SURFACE ARCHT'L. LED WRAP-AROUND, 4 EA 219.51 878

38.8W LED

DD - 2" LED DOWNLIGHT CYLINDER W/ DIMMING, 13W 20 EA 283.41 5,668

LED

E - 4' L UNDERCABINET LIGHT, 29W LED 24 EA 185.24 4,446

PRESCHOOL BLDG

PAGE: 10

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	F - 3" LED DOWNLIGHT W/ DIMMING, 18W LED	31	EA	208.39	6,460
	FF - 3" LED DOWNLIGHT W/ DIMMING, 13W LED	6	EA	370.48	2,223
	GG - 4" X 12" LED STEPLIGHT W/ DIMMING	10	EA	205.24	2,052
	K - 24" ROUND SURFACE FIXTURE, 31W LED	56	EA	687.70	38,511
	L - CEILING FAN, 20W LED - 3-BLADE PROPELLER FAN	8	EA	338.06	2,704
	JUNCTION BOX	10	EA	37.05	370
	LUTRON WIRELESS OCCUPANCY SENSOR	10	EA	347.32	3,473
	LUTRON WIRELESS 3-BUTTON WALL STATION	16	EA	319.54	5,113
	LIGHTING CIRCUIT, EMT/CU WIRES	3,150	LF	7.62	23,988
	MISCELLANEOUS				
	MISC. ELECTRICAL SYSTEM	5,902	GSF	3.09	18,221
	TESTING	1	LS	3,810.00	3,810
	SUBTOTAL				186,517

27.0 COMMUNICATIONS	\$
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TELEPHONE/DATA SYSTEM					
DATA RACK	1	EA	797.55		798
TEL./DATA OUTLET	14	EA	97.76		1,369
TEL./DATA EMT CONDUIT/CABLES	750	LF	12.06		9,046
TELEPHONE BACKBOARD, 3/4" X 8'H - FIRE RATED	8	LF	41.16		309
COMM. GROUND BUS ASSEMBLY	1	EA	771.83		772
GROUNDING - 1" CONDUIT W/ CU WIRE	1	EA	566.01		566
PUBLIC ADDRESS SYSTEM					
PA/PAGING/INTERCOM	5,902	GSF	0.51		3,037
CABLE TV SYSTEM					
CATV	5,902	GSF	0.46		2,733
CLOCK SYSTEM					
CLOCK	5,902	GSF	0.41		2,429
AUDIO/VISUAL SYSTEM					
AUDIO/VISUAL	5,902	GSF	1.03		6,074
MISCELLANEOUS					
MISC. COMMUNICATIONS SYSTEM	5,902	GSF	0.46		2,713
TESTING	1	LS	2,238.45		2,238
SUBTOTAL					32,084

28.0 ELECTRONIC SAFETY & SECURITY	\$
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FIRE ALARM SYSTEM					
FIRE ALARM CONTROL PANEL	1	EA	4,913.95		4,914
POWER SUPPLY - ALLOWANCE	1	EA	2,058.20		2,058
F.A. ANNUNCIATOR - ALLOWANCE	1	EA	2,109.66		2,110
SMOKE DETECTOR	27	EA	365.33		9,864
THERMAL DETECTOR	2	EA	169.80		340
F.A. SPEAKER W/ VISUAL SIGNAL	11	EA	358.13		3,939
F.A. SPEAKER W/ VISUAL SIGNAL, WP	3	EA	385.91		1,158
VISUAL ALARM SIGNAL	17	EA	358.13		6,088

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - PRESCHOOL BUILDING	BUILDING GSF:	5,902

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	F.A. CIRCUIT, EMT/CU WIRES SECURITY SYSTEM	1,890	LF	10.85	20,500
	SECURITY SYSTEM	5,902	GSF	0.77	4,555
	MISCELLANEOUS MISC. ELECTRONIC SAFETY & SECURITY SYSTEM	5,902	GSF	0.24	1,388
	TESTING	1	LS	3,130.00	3,130
	SUBTOTAL				60,044
31.0	EARTHWORK				\$
	OVER EXCAVATION ALLOWANCE, BUILDING PAD OVER EXCAVATION - ASSUME 3'D BELOW FOOTING (4.5'D TOTAL)	1,241	CY	12.35	15,319
	SUBTOTAL				15,319

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
<u>SUMMARY OF ESTIMATE</u>					TOTAL
1.0	GENERAL REQUIREMENTS				
2.0	EXISTING CONDITIONS				
3.0	CONCRETE	6.6%		27.83	\$133,359
4.0	MASONRY				
5.0	METALS	3.4%		14.31	\$68,571
6.0	WOODS, PLASTICS & COMPOSITES	16.0%		67.61	\$323,980
7.0	THERMAL & MOISTURE PROTECTION	4.2%		17.78	\$85,214
8.0	OPENINGS	8.1%		34.40	\$164,864
9.0	FINISHES	23.7%		100.38	\$481,019
10.0	SPECIALTIES	0.8%		3.44	\$16,499
11.0	EQUIPMENT	1.6%		6.94	\$33,256
12.0	FURNISHINGS	0.4%		1.89	\$9,052
13.0	SPECIAL CONSTRUCTION				
14.0	CONVEYING				N/A
21.0	FIRE SUPPRESSION	1.4%		5.75	\$27,557
22.0	PLUMBING	8.4%		35.73	\$171,212
23.0	HEAT, VENT & AIR CONDITIONING	11.6%		49.29	\$236,189
26.0	ELECTRICAL	8.9%		37.49	\$179,638
27.0	COMMUNICATIONS	1.2%		5.15	\$24,669
28.0	ELECTRONIC SAFETY & SECURITY	3.0%		12.63	\$60,544
31.0	EARTHWORK	0.6%		2.60	\$12,438
TOTAL ESTIMATED SUBCONTRACTOR COST				\$423.22	\$2,028,061
<u>ESTIMATE PRORATES:</u>					
	GENERAL CONDITIONS	8.5%		35.97	\$172,385
	SUB TOTAL				\$2,200,446
	GC'S OH&P	6.5%		29.85	\$143,029
	SUB TOTAL				\$2,343,475
	- BOND	1.8%		8.56	\$41,011
	SUB TOTAL				\$2,384,486
	ESTIMATE/DESIGN CONTINGENCY	5.0%		24.88	\$119,224
	TOTAL ESTIMATED CURRENT BID COST				\$2,503,710
	ESCALATION	5.4%		28.11	\$134,700
TOTAL ANTICIPATED BID COST				\$550.59	\$2,638,410

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
1.0	GENERAL REQUIREMENTS				\$
	<i>SEE SUMMARY FOR GENERAL CONDITION</i>				
	SUBTOTAL				
2.0	EXISTING CONDITIONS				\$
	<i>SEE SEPARATE SITEWORK ESTIMATE</i>				
	SUBTOTAL				
3.0	CONCRETE				\$
	FOUNDATION				
	STRIP FOOTING	67	CY	694.64	46,560
	EXTRA FOR STEPPED FOOTING	8	EA	339.60	2,717
	8" STEM WALL W/ #5 @ 12" OCEW	171	SF	36.02	6,159
	SLAB ON-GRADE/CURB/TOPPINGS				
	SLAB ON-GRADE + V.B./BASE - ASSUME 5"/4"	4,792	SF	7.83	37,534
	THICKENED SLAB	29	CY	463.10	13,394
	6" CONCRETE CURB	512	LF	19.06	9,757
	CONCRETE SEATWALL, 24"W X 18"H	36	LF	457.38	16,466
	MISC. CONCRETE				
	ALLOWANCE FOR MISC. CONCRETE/PADS	1	LS	771.83	772
	SUBTOTAL				133,359
4.0	MASONRY				\$
	<i>THIS SECTION NOT APPLICABLE</i>				
	SUBTOTAL				
5.0	METALS				\$
	STRUCTURAL STEEL				
	HSS COLUMNS	4,284	LBS	2.47	10,580
	HSS BEAMS	3,471	LBS	2.47	8,573
	DETAIL STEEL	775	LBS	2.83	2,195
	TIE-DOWN SYSTEM - ROOF DOWN TO FOOTING - SEE DWG. S-821	32	EA	540.28	17,289
	EXTERIOR SUN CONTROL/CANOPY				
	33"W HORIZONTAL TS FRAMED, PAINTED W/ ARCADIA 1" X 6" ALUM. FINS	11	LF	297.15	3,367
	66"W HORIZONTAL TS FRAMED, PAINTED W/ ARCADIA 1" X 6" ALUM. FINS	30	LF	594.31	17,829
	TRANSLUCENT POLYCARBONATE PANEL	95	SF	15.44	1,468
	RAIN GUTTER	30	LF	12.35	370
	METAL FABRICATIONS				
	ROOF HATCH + LADDER	1	EA	1,286.38	1,286
	INFANT TODDLER BLDG				

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	S/S AIRCRAFT CABLES @ CEILING	532	LF	5.92	3,148
	MISC. METALS ALLOWANCE	4,792	GSF	0.51	2,466
	SUBTOTAL				68,571

6.0 WOODS, PLASTICS & COMPOSITES					\$
FINISH CARPENTRY					
	24"W BASE CABINET, PLAM + SPLASHGUARD	68	LF	411.64	27,992
	24"W COUNTER, PLAM	13	LF	216.11	2,809
	1.5'H UPPER CABINET	19	LF	257.28	4,888
	2.5'H UPPER CABINET	79	LF	283.00	22,357
	16"W COUNTER, SOLID SURFACE	13	LF	190.38	2,475
	24"W BASE CAB, SOLID SURFACE	16	LF	437.37	6,998
	24"W LAVATORY COUNTER, SOLID SURFACE	14	LF	308.73	4,322
	24"W OPEN COUNTER - OUTDOOR	10	LF	360.19	3,602
	18"W COUNTERTOP W/ 3-TIER CUBBIES	33	LF	360.19	11,886
	24"W FULL HT. PANTRY W/ DOORS	6	LF	643.19	3,538
	MISC. FINISH CARPENTRY ALLOWANCE	4,792	GSF	0.49	2,338
ROUGH CARPENTRY					
	EXT. WOOD STUD - ASSUME 2" X 6"	8,475	SF	6.46	54,772
	EXT. WOOD STUD - ASSUME 2" X 6" @ DIAPER DROP & STROLLER BARN	237	SF	6.46	1,532
	INT. WOOD STUD - ASSUME 2" X 4"	3,680	SF	5.66	20,829
	WOOD POST, 4" X 6"	300	LF	9.78	2,933
	HEADER, 4" X 12"	94	LF	19.55	1,838
	HEADER, 6" X 12"	42	LF	16.98	713
	3 1/2" X 12" TIMBERSTRAND BLOCKING	400	LF	14.41	5,763
	ROOF JOIST, 11 7/8" TJI 210 @ 16" OC	2,832	SF	10.45	29,582
	ROOF JOIST, 11 7/8" TJI 560 @ 16" OC	1,800	SF	10.97	19,742
	ROOF JOIST, 16" TJI 560 @ 16" OC	770	SF	14.62	11,261
	ROOF BEAM, 4" X 12"	266	LF	11.32	3,011
	ROOF BEAM, 6" X 12"	164	LF	16.98	2,785
	ROOF BEAM, 3 1/2" X 11 7/8" PARALLAM 2.2E	52	LF	24.31	1,264
	ROOF BEAM, 5 1/4" X 11 7/8" PARALLAM 2.2E	58	LF	36.47	2,115
	ROOF BEAM, 5 1/4" X 14" PARALLAM 2.2E	72	LF	42.55	3,063
	1/2" STRUCT 1 SHEAR PLYWOOD - INTERIOR	868	SF	4.37	3,796
	1/2" STRUCT 1 SHEAR PLYWOOD - EXTERIOR	3,066	SF	4.37	13,411
	EXTERIOR PLYWOOD SHEATHING OTHER THAN SHEAR PLYWOOD	7,657	SF	3.34	25,609
	EXTERIOR PLYWOOD SHEATHING TO DIAPER DROP/BARN WALLS & ROOF	474	SF	3.34	1,585
	PLYWOOD SHEATHING TO ROOFSIDE PARAPETS	1,272	SF	3.34	4,254
	ROOF PLYWOOD SHEATHING	5,402	SF	2.83	15,288
	MISC. ROUGH CARPENTRY ALLOWANCE	4,792	GSF	1.17	5,629
	SUBTOTAL				323,980

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
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CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
7.0 THERMAL & MOISTURE PROTECTION					\$
ROOFING & ACCESSORIES					
	SINGLE-PLY MEMBRANE ROOFING (SARNAFIL)	5,402	SF	5.66	30,576
	COVER BOARD	5,402	SF	1.29	6,949
	RIGID INSULATION, TAPERED	5,402	SF	3.60	19,457
	MEMBRANE BASE FLASHING	772	LF	5.79	4,469
	CANT STRIP + COVER FLASHING	108	LF	13.34	1,440
	PARAPET CAP, 12"W	646	LF	16.98	10,969
	ROOFING MEMBRANE TO ROOFSIDE PARAPETS	1,272	SF	3.86	4,909
	ROOF WALKWAY PAD, 2' X 2'	42	EA	36.02	1,513
MISCELLANEOUS					
	MISC. SHEET METALS ALLOWANCE	4,792	GSF	0.26	1,233
	MISC. CAULKING & SEALANTS ALLOWANCE	4,792	GSF	0.36	1,726
	MISC. FIREPROOFING/FIRESTOPPING ALLOWANCE	4,792	GSF	0.41	1,973
SUBTOTAL					85,214
8.0 OPENINGS					\$
EXTERIOR DOORS & HARDWARES					
	ALUM-GLASS DOOR/ALUM FRAME, (2) - 3'W X 8'H	4	PR	5,711.51	22,846
	ALUM-GLASS DOOR/ALUM FRAME, 3'W X 8'H	4	EA	2,701.39	10,806
	HM DOOR/HM FRAME, 3'W X 7'H + PAINT	1	EA	2,269.17	2,269
	HM DOOR/HM FRAME, 2'W X 7'H + PAINT	1	EA	1,858.55	1,859
	CLOSET DOOR FOR EXT. STORAGE, (2) - 2.5'W X 8'H	2	PR	1,465.95	2,932
	EXTRA FOR PANIC HARDWARE	12	EA	1,312.10	15,745
	EXTRA FOR DOOR CLOSER, PER LEAF	12	EA	298.44	3,581
	EXTRA FOR 60 MIN. FIRE RATING, PER LEAF	1	EA	77.18	77
	EXTRA FOR DOOR SHADES, PER LEAF	10	EA	123.49	1,235
EXTERIOR GLAZING/FRAMES					
	PUNCHED WINDOWS	133	SF	84.39	11,263
	LARGE WINDOWS	546	SF	80.27	43,794
	STOREFRONTS	400	SF	80.27	32,108
INTERIOR DOORS & HARDWARES					
	SLIDING GLASS DOOR, 3'W X 8'H	1	EA	3,087.30	3,087
	SC WD DOOR/HM FRAME, 3'W X 7'H + PAINT	4	EA	2,161.11	8,644
	EXTRA FOR DOOR SHADES, PER LEAF	1	EA	123.49	123
INTERIOR GLAZING/FRAMES					
	STOREFRONTS	56	SF	80.27	4,495
SUBTOTAL					164,864
9.0 FINISHES					\$
EXTERIOR WALLS					
	CERAMIC WALL PANEL + C-HANGERS + CONCEALED FASTENERS + MOUNTING BRACKETS	3,250	SF	41.78	135,790
	FIBER CEMENT PANEL + VERTICAL CHANNELS	4,831	SF	23.67	114,346

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	FIBER CEMENT PANEL - DIRECTLY ATTACH TO SHEATHING @ ROOF MECH. WELLS	1,370	SF	15.44	21,148
	POLY-ISO RIGID INSULATION	8,081	SF	3.86	31,186
	WATERPROOFING MEMBRANE	9,451	SF	1.80	17,021
	5/8" GWB SHEATHING	777	SF	3.86	2,998
	GWB + PAINT - INT. OF EXT. WALLS	4,450	SF	3.86	17,175
	BATT INSULATION	5,577	SF	1.03	5,739
	DIAPER DROP/STROLLER BARN				
	FIBER CEMENT PANEL - DIRECTLY ATTACH TO WALL SHEATHING/STUD	240	SF	5.15	1,235
	FIBER CEMENT PANEL - DIRECTLY ATTACH TO ROOF/CEILING SHEATHING/STUD	233	SF	5.15	1,199
	2.5'W X 4'H DOOR/FRAME	2	EA	1,080.56	2,161
	INTERIOR WALLS				
	5/8" GWB + PAINT	6,832	SF	3.55	24,256
	5/8" GWB, WATER-RESISTANT	528	SF	2.83	1,494
	CERAMIC WALL TILE + THIN-SET MORTAR	528	SF	19.30	10,188
	BATT INSULATION	3,680	SF	1.03	3,787
	FLOOR FINISHES				
	CERAMIC FLOOR TILE	432	SF	16.98	7,335
	POLISHED SEALED CONCRETE FLOOR	4,264	SF	3.86	16,455
	SEALED CONCRETE FLOOR	96	SF	1.03	99
	CERAMIC TILE BASE	132	LF	16.47	2,173
	RESILIENT BASE	810	LF	4.06	3,293
	CEILING				
	2' X 2' ACT T-BAR CEILING	2,128	SF	4.94	10,512
	5/8" GWB CEILING + WOOD FRAMES + PAINT	2,088	SF	10.24	21,380
	5/8" GWB CEILING, WATER-RESISTANT + WOOD FRAMES + PAINT	432	SF	10.55	4,557
	FIBER CEMENT PANEL + WOOD FRAMES + PAINT	144	SF	12.86	1,852
	VERT. SOFFIT, 2'H GWB + PAINT + 4'H WD STUDS	104	LF	34.47	3,585
	VERT. SOFFIT, 2'H FIBER CEMENT PANEL + PAINT + 4'H WD STUDS	36	LF	39.11	1,408
	EXTERIOR SOFFIT/CEILING				
	CEMENT PLASTER SOFFIT + WOOD STUD FRAMES + SHEATHING/V.B. + ATTACHMENTS	480	SF	24.18	11,608
	FIBER CEMENT PANEL SOFFIT + WOOD STUD FRAMES + SHEATHING/V.B. + ATTACHMENTS	124	SF	18.40	2,281
	MISCELLANEOUS				
	MISC. PAINTING ALLOWANCE	1	LS	4,758.27	4,758
	SUBTOTAL				481,019
10.0	SPECIALTIES				\$
	TOILET/SINK ACCESSORIES				
	TOILET ACCESSORIES, PER FIXTURE	9	EA	308.73	2,779

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	PREP SINK ACCESSORIES, PER FIXTURE	4	EA	257.28	1,029
	INDOOR/OUTDOOR SINK ACCESSORIES, PER FIXTURE	4	EA	205.82	823
	CHANGING STATION	4	EA	283.00	1,132
	CHUTE FOR DIAPER DROP	2	EA	411.64	823
	SIGNAGE/MISCELLANEOUS				
	FIRE EXTINGUISHER + CABINET	4	EA	463.10	1,852
	ENTRY FLOOR MATS - ALLOWANCE	160	SF	25.73	4,116
	SIGNAGE	4,792	GSF	0.51	2,466
	MISC. SPECIALTIES	4,792	GSF	0.31	1,479
	SUBTOTAL				16,499
11.0	EQUIPMENT				\$
	PREP EQUIPMENT				
	REFRIGERATOR, ENERGY STAR-RATED	4	EA	2,264.02	9,056
	MICROWAVE OVEN - ALLOWANCE	4	EA	874.74	3,499
	GARBAGE DISPOSER, S/S, 3/4 HP - COMM'L GRADE	4	EA	3,910.58	15,642
	DISHWASHER	2	EA	1,929.56	3,859
	UNDER-COUNTER WATER FILTERS AT S-2	4	EA	300.00	1,200
	SUBTOTAL				33,256
12.0	FURNISHINGS				\$
	WINDOW SHADES				
	WINDOW SHADES, MANUAL	1,135	SF	7.98	9,052
	SUBTOTAL				9,052
13.0	SPECIAL CONSTRUCTION				\$
	THIS SECTION NOT APPLICABLE				
	SUBTOTAL				
14.0	CONVEYING				\$
	THIS SECTION NOT APPLICABLE				
	SUBTOTAL				
21.0	FIRE SUPPRESSION				\$
	FIRE PROTECTION				
	FIRE PROTECTION, WET SYSTEM - BUILDING	4,812	SF	5.15	24,760
	FIRE PROTECTION, WET SYSTEM - SOFFITS	604	SF	4.63	2,797
	SUBTOTAL				27,557

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
22.0	PLUMBING				\$
	PLUMBING EQUIPMENT				
	GAS-FIRED WATER HEATER, 60 GAL @ 197 GPH + 4" FLUE THRU ROOF	1	EA	5,009.14	5,009
	CIRCULATING PUMP, 2 GPM @ 10 FT HEAD	1	EA	413.70	414
	EXPANSION TANK, 6.4 GAL	1	EA	488.82	489
	TEMPERING VALVE, 1", 0.50 GPM MIN. - 12.5 GPM MAX.	1	EA	203.50	204
	ROUGH-INS AT EQUIPMENT	4	EA	463.10	1,852
	PLUMBING FIXTURES				
	WATER CLOSET, HARDWIRED SENSOR, FLOOR - KINDERGARTEN	4	EA	1,269.65	5,079
	LAVATORY, UNDERCOUNTER, BATTERY-OPERATED FAUCET - ADA	6	EA	915.90	5,495
	WASH FOUNTAIN/BASIN	1	EA	660.68	661
	SINGLE SINK, MANUAL FAUCET - OUTDOOR	2	EA	1,178.32	2,357
	2-COMPARTMENT SINK, MANUAL FAUCET - PREP	4	EA	1,533.36	6,133
	ROUGH-INS AT FIXTURES	17	EA	578.87	9,841
	ROUGH-INS AT GARBAGE DISPOSER	4	EA	347.32	1,389
	ROUGH-INS AT REFRIGERATOR WATER SUPPLY + RECESSED WALL BOX/SOV	4	EA	347.32	1,389
	ROUGH-INS AT DISH WASHER	2	EA	347.32	695
	COLD WATER				
	1/2" CW PIPE	78	LF	15.55	1,213
	3/4" CW PIPE	290	LF	20.57	5,966
	1" CW PIPE	14	LF	26.38	369
	1 1/4" CW PIPE	16	LF	32.32	517
	1 1/2" CW PIPE	76	LF	37.19	2,827
	2" CW PIPE	168	LF	45.53	7,649
	2" CW PIPE, BELOW GRADE	5	LF	68.25	341
	2" SOV + YARD BOX	1	EA	720.37	720
	HOSE BIBB, S/S RECESSED HOSE BOX W/ WALL FLANGE & ANTI-SIPHON DEVICE	4	EA	385.91	1,544
	HOSE BIBB, ROOF	1	EA	154.37	154
	ELECTRIC TRAP PRIMER + 1/2" PIPINGS	2	EA	262.42	525
	TRAP PRIMER + 1/2" PIPINGS	2	EA	169.80	340
	WATER HAMMER ARRESTOR - ALLOWANCE	2	EA	190.38	381
	3/4" BFP - MECH. MAKE-UP WATER	1	EA	1,066.83	1,067
	WALL ACCESS PANEL	5	EA	128.64	643
	HOT WATER				
	3/4" HW PIPE	204	LF	20.57	4,197
	1" HW PIPE	70	LF	26.38	1,846
	1 1/4" HW PIPE	190	LF	32.32	6,142
	INSULATION, 3/4" PIPE	204	LF	7.83	1,598
	INSULATION, 1" PIPE	70	LF	8.00	560
	INSULATION, 1 1/4" PIPE	190	LF	8.64	1,642
	WASTE & VENT				
	2" WASTE PIPE	222	LF	37.91	8,416
	INFANT TODDLER BLDG				

PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	4" WASTE PIPE	136	LF	49.73	6,763
	6" WASTE PIPE	58	LF	73.61	4,269
	2" WASTE PIPE - WALL/CEILING	48	LF	37.91	1,820
	1 1/2" VENT PIPE	264	LF	34.53	9,115
	2" VENT PIPE	344	LF	34.89	12,001
	3" VENT PIPE	20	LF	38.57	771
	2" VTR	3	EA	211.37	634
	3" VTR	2	EA	362.65	725
	FLOOR SINK	1	EA	355.04	355
	FLOOR DRAIN	2	EA	488.82	978
	ROOF WASTE RECEPTOR	4	EA	694.64	2,779
	4" YARD CLEANOUT	3	EA	488.82	1,466
	6" YARD CLEANOUT	1	EA	591.73	592
	ROOF DRAINS				
	4" RD/OD	3	PR	475.75	1,427
	4" OD/SD PIPE	102	LF	49.73	5,072
	4" SD PIPE, BELOW GRADE	15	LF	56.93	854
	NATURAL GAS				
	3/4" GAS PIPE	10	LF	15.33	153
	1" GAS PIPE	46	LF	18.73	862
	1 1/4" GAS PIPE	72	LF	21.30	1,534
	1 1/4" GAS PIPE - BELOW GRADE	5	LF	26.45	132
	3/4"GAS COCK + FLEX. CONNECTOR	1	EA	463.10	463
	1"GAS COCK + FLEX. CONNECTOR	4	EA	694.64	2,779
	GAS PRESSURE REGULATOR, 5 PSI	1	EA	385.91	386
	CONDENSATE DRAINS				
	3/4" CD PIPE	40	LF	20.57	823
	INSULATION, 3/4" PIPE	40	LF	7.83	313
	POC TO SINK TAIL PIECE	1	EA	169.40	169
	MISCELLANEOUS				
	MISC. VALVES & SPECIALTIES	4,792	GSF	3.15	15,117
	MISC. PLUMBING SYSTEM	4,792	GSF	0.85	4,050
	TESTING	1	LS	5,145.50	5,146
	SUBTOTAL				171,212

23.0	HEAT, VENT & AIR CONDITIONING
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HVAC EQUIPMENT

GAS-ELECTRIC PACKAGED ROOFTOP AC UNITS

- 1000 CFM, 3 TONS	4	EA	8,685.60	34,742
- EXTRA FOR ECONOMIZER/POWER EXHAUST	4	EA	651.42	2,606

SPLIT SYSTEM AC UNITS

- GROUND MOUNT CONDENSER, 1940 CFM	1	EA	4,019.62	4,020
- INDOOR UNIT, 1000 CFM - WALL	1	EA	4,677.73	4,678

EXHAUST SYSTEM

- ROOF EXHAUST FAN, 600 CFM	1	EA	802.70	803
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PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
LOCATION: SANTA MONICA, CA	DATE OF ESTIMATE:	3/25/2016
CLIENT: CARDE TEN ARCHITECTS	DATE OF REVISION:	3/31/2016
SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	HYDRONIC SYSTEM EQUIPMENT (RADIANT FLOOR HEATING)				
	- BOILER, 100 MBH + FLUE	1	EA	18,109.09	18,109
	- HEATING HOT WATER PUMP, 10 GPM @ 40 FT HEAD	2	EA	5,865.87	11,732
	- EXPANSION TANK, 1.0 GAL	1	EA	2,058.20	2,058
	- AIR SEPARATOR, 10 GPM	1	EA	8,438.62	8,439
	- CHEMICAL POT FEEDER - ALLOWANCE	1	EA	1,003.37	1,003
	DUCTWORK & ACCESSORIES				
	DUCTWORK	1,885	LBS	13.61	25,664
	INSULATION	1,660	SF	3.86	6,406
	EQUIPMENT FLEXIBLE CONNECTOR	8	EA	154.37	1,235
	CEILING DIFFUSER	24	EA	128.64	3,087
	CEILING EXHAUST GRILLE	4	EA	108.06	432
	MANUAL VOLUME DAMPER	24	EA	97.76	2,346
	DUCT SMOKE DETECTOR	4	EA	771.83	3,087
	ALLOWANCE FOR FSD	4	EA	437.37	1,749
	REFRIGERANT PIPINGS (2-PIPE) + INSULATION	40	LF	19.04	762
	HYDRONIC PIPINGS				
	3/4" HWS/R PIPE	320	LF	15.61	4,996
	1" HWS/R PIPE	60	LF	19.00	1,140
	1 1/4" HWS/R PIPE	44	LF	21.52	947
	INSULATION, 3/4" PIPE	320	LF	14.63	4,683
	INSULATION, 1" PIPE	60	LF	15.04	902
	INSULATION, 1 1/4" PIPE	44	LF	15.52	683
	MISC. VALVES & SPECIALTIES	1	LS	1,029.10	1,029
	RADIANT HEATING U/FLOOR PIPINGS				
	RADIANT FLOOR CONTROL VALVE MANIFOLD	3	EA	1,749.47	5,248
	HHWS & HHWR POLYETHYLENE TUBING COMPLETE W/ TEMPERATURE SENSORS & 3/8" VENTS	4,488	SF	1.54	6,928
	HIGH & LOW PRESSURE REFRIGERANTS (2-PIPE)	210	LF	28.56	5,997
	MISC. VALVES & SPECIALTIES	1	LS	12,760.84	12,761
	CONTROLS - DDC				
	ROOFTOP PACKAGED UNITS	4	EA	5,762.96	23,052
	RADIANT FLOOR CONTROL VALVE MANIFOLD	3	EA	1,440.74	4,322
	SPLIT SYSTEM UNITS	1	PR	2,881.48	2,881
	ROOF EXHAUST FAN	1	EA	720.37	720
	HYDRONIC EQUIPMENTS	3	EA	720.37	2,161
	THERMOSTAT	5	EA	566.01	2,830
	EQUIPMENT PLATFORM & SUPPORTS				
	ROOF PLATFORM & ANCHORAGE - AC UNITS	4	EA	1,111.43	4,446
	CONCRETE PAD & ANCHORAGE - OUTDOOR CU	1	EA	617.46	617
	ROOF CURB & ANCHORAGE - EXHAUST FAN	1	EA	385.91	386
	SUPPORTS/HANGERS - FC/HEAT MANIFOLDS	5	EA	488.82	2,444
	PADS & ANCHORAGES - HYDRONIC EQUIPMENT	6	EA	385.91	2,315
	MISCELLANEOUS				
	MISC. HVAC SYSTEM	4,792	GSF	1.21	5,774
	TESTING & BALANCING	1	LS	5,968.78	5,969
	SUBTOTAL				236,189
	INFANT TODDLER BLDG				

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SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
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26.0 ELECTRICAL

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ELECTRICAL EQUIPMENT

DISTRIBUTION PANEL, 400A BUS-208/120V-3PH-4W	1	EA	8,190.35	8,190
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PANEL BOARDS

EMERGENCY PANEL, 12 CKTS.	1	EA	4,630.95	4,631
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CENTRAL BATTERY SYSTEM CABINET	1	EA	771.83	772
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LIGHTING CONTROL PANEL	1	EA	4,939.68	4,940
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SECONDARY FEEDERS

1" EMT CONDUIT	25	LF	8.73	218
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#10 CU WIRE	25	LF	1.65	41
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#6 CU WIRE	50	LF	2.86	143
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EMERG. PANEL FEEDER	30	LF	142.02	4,260
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LIGHTING CONTROL PANEL FEEDER	20	LF	34.99	700
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BRANCH POWER

DUPLEX RECEPTACLE	5	EA	123.49	617
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DUPLEX RECEPTACLE, WP	5	EA	157.45	787
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DUPLEX RECEPTACLE, GFI	12	EA	162.60	1,951
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DUPLEX RECEPTACLE, GFI-WP	8	EA	171.86	1,375
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DUPLEX RECEPTACLE - SAFETY TYPE	30	EA	174.95	5,248
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DUPLEX RECEPTACLE, GFI - SAFETY TYPE	4	EA	214.05	856
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DOUBLE DUPLEX RECEPTACLE - EMERGENCY	2	EA	210.97	422
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JUNCTION BOX	27	EA	36.02	972
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BRANCH POWER CIRCUIT, EMT/CU WIRES	1,674	LF	7.41	12,404
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SIGNAL POWER HOOK-UPS	4	EA	347.32	1,389
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HVAC/PLUMBING POWER

DISCONNECT SWITCH, 30A/1P-NEMA 1	1	EA	261.39	261
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DISCONNECT SWITCH, 30A/1P-NEMA 3R	2	EA	336.52	673
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DISCONNECT SWITCH, 30A/2P-NEMA 3R	2	EA	370.17	740
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DISCONNECT SWITCH, 30A/3P-NEMA 3R	4	EA	625.69	2,503
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DISCONNECT SWITCH, 60A/2P-NEMA 3R	1	EA	523.81	524
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JUNCTION BOX	8	EA	46.31	370
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EMT/CU WIRES - FLUSH VALVE SENSOR	180	LF	11.83	2,130
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EMT/CU WIRES - WATER HEATER/CIRC. PUMP/ETP	80	LF	11.83	947
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EMT/CU WIRES - FC/CU	50	LF	11.83	592
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EMT + (2) #10 + GND WIRES	190	LF	12.02	2,284
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EMT + (3) #10 + GND WIRES	350	LF	13.67	4,783
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LIGHTING

B45 - 2x4 RECESSED LED LENSED TROFFER W/ DIMMING, 45W LED	5	EA	415.94	2,080
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B60 - 2x4 RECESSED LED LENSED TROFFER W/ DIMMING, 60W LED	12	EA	421.82	5,062
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C - 6" X 4'L SURFACE ARCHT'L. LED WRAP-AROUND, 38.8W LED	2	EA	219.51	439
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D2 - 4'L WALL MOUNT LED FIXTURE	24	EA	304.48	7,308
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DD - 2" LED DOWNLIGHT CYLINDER W/ DIMMING, 13W	16	EA	283.41	4,535
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E - 4'L UNDERCABINET LIGHT, 29W LED	18	EA	185.24	3,334
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PROJECT: SMC - EARLY CHILDHOOD EDUCATION CENTER	JYI #:	C2028D-R1
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SUBJECT: DSA SUBMITTAL COST ESTIMATE - INFANT TODDLER BUILDING	BUILDING GSF:	4,792

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	EE - WALL MOUNT LED CYLINDER, 23.4W LED	4	EA	276.50	1,106
	F - 3" LED DOWNLIGHT W/ DIMMING, 18W LED	22	EA	208.39	4,585
	FF - 3" LED DOWNLIGHT W/ DIMMING, 13W LED	4	EA	370.48	1,482
	GG - 4" X 12" LED STEPLIGHT W/ DIMMING	4	EA	205.24	821
	K - 24" ROUND SURFACE FIXTURE, 31W LED	49	EA	687.70	33,697
	L - CEILING FAN, 20W LED - 3-BLADE PROPELLER FAN	8	EA	338.06	2,704
	JUNCTION BOX	8	EA	37.05	296
	LUTRON WIRELESS OCCUPANCY SENSOR	9	EA	347.32	3,126
	LUTRON WIRELESS 3-BUTTON WALL STATION	6	EA	319.54	1,917
	LIGHTING CIRCUIT, EMT/CU WIRES	2,865	LF	7.62	21,818
	MISCELLANEOUS				
	MISC. ELECTRICAL SYSTEM	4,792	GSF	3.34	16,003
	TESTING	1	LS	3,601.85	3,602
	SUBTOTAL				179,638

27.0 COMMUNICATIONS	\$
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	TELEPHONE/DATA SYSTEM				
	DATA RACK	1	EA	797.55	798
	TEL./DATA OUTLET	9	EA	97.76	880
	TEL./DATA EMT CONDUIT/CABLES	500	LF	12.06	6,031
	TELEPHONE BACKBOARD, 3/4" X 8'H - FIRE RATED	6	LF	41.16	226
	COMM. GROUND BUS ASSEMBLY	1	EA	771.83	772
	GROUNDING - 1" CONDUIT W/ CU WIRE	1	EA	566.01	566
	PUBLIC ADDRESS SYSTEM				
	PA/PAGING/INTERCOM	4,792	GSF	0.51	2,466
	CABLE TV SYSTEM				
	CATV	4,792	GSF	0.46	2,219
	CLOCK SYSTEM				
	CLOCK	4,792	GSF	0.41	1,973
	AUDIO/VISUAL SYSTEM				
	AUDIO/VISUAL	4,792	GSF	1.03	4,931
	MISCELLANEOUS				
	MISC. COMMUNICATIONS SYSTEM	4,792	GSF	0.44	2,086
	TESTING	1	LS	1,721.10	1,721
	SUBTOTAL				24,669

28.0 ELECTRONIC SAFETY & SECURITY	\$
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	FIRE ALARM SYSTEM				
	FIRE ALARM CONTROL PANEL	1	EA	4,913.95	4,914
	POWER SUPPLY - ALLOWANCE	1	EA	2,058.20	2,058
	F.A. ANNUNCIATOR - ALLOWANCE	1	EA	2,109.66	2,110
	SMOKE DETECTOR	26	EA	365.33	9,499
	THERMAL DETECTOR	1	EA	169.80	170
	MANUAL REPORTING STATION	3	EA	488.82	1,466

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ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
	F.A. SPEAKER W/ VISUAL SIGNAL	5	EA	358.13	1,791
	F.A. SPEAKER W/ VISUAL SIGNAL, WP	5	EA	385.91	1,930
	VISUAL ALARM SIGNAL	21	EA	358.13	7,521
	F.A. CIRCUIT, EMT/CU WIRES	1,920	LF	10.85	20,826
	SECURITY SYSTEM				
	SECURITY SYSTEM	4,792	GSF	0.77	3,699
	MISCELLANEOUS				
	MISC. ELECTRONIC SAFETY & SECURITY SYSTEM	4,792	GSF	0.29	1,400
	TESTING	1	EA	3,160.00	3,160
	SUBTOTAL				60,544
31.0	EARTHWORK				\$
	OVER EXCAVATION				
	ALLOWANCE, BUILDING PAD OVER EXCAVATION - ASSUME 3'D BELOW FOOTING (4.5'D TOTAL)	1,007	CY	12.35	12,438
	SUBTOTAL				12,438