



PROJECT: **Novato High School
Center for the Arts and Center for the Sciences**

42,000.00 GSF

LOCATION: **Novato, CA**

Date: June 28 2019

	DIVISION	QUANTITY		UNIT	UNIT COST			EXTENDED COST		DIVISION TOTAL
		Center for the Arts	Center for the Sciences		Center for the Arts	Center for the Sciences		Center for the Arts	Center for the Sciences	
DIVISION 1 : GENERAL REQUIREMENTS						0.00	/GSF	-	-	-
	General Conditions			in fee				-	-	
	Permits, Fees, Design, Testing, Inspections			nic				-	-	
	Outside CPM Scheduling			nic				-	-	
	BIM Modeling & Clash Detection			nic				-	-	
	Trimble/Dot layout			nic				-	-	
	Delegated or Deferred Approval Items			nic				-	-	
01 57 23	SWPPP			in Earthwork				-	-	
01 81 23	Noise and Vibration Control			nic				-	-	
DIVISION 2 : EXISTING CONDITIONS						3.14	/GSF	-	-	132,000
02 21 00	Site Surveys (Surveying & Staking)	1.0	1.0	ls	16,000.00	16,000.00		16,000	16,000	
02 41 13	Site Demolition			in 31 05 13				-	-	
02 41 16	Exhisting Building Demolition		1.0	allow		18,600.00		-	18,600	
	Exhisting Building Disconnect		1.0	allow		1,400.00		-	1,400	
02 43 00	Structure Moving (existing portable classrooms) - Jesse Anaya		1.0	ls	-	80,000.00		-	80,000	
DIVISION 3: CONCRETE						69.10	/GSF	-	-	2,902,031
03 10 00	Formwork			in 03 30 00				-	-	
03 15 00	Damp Proofing Planter Walls			in 07 12 00				-	-	
03 20 00	Concrete Reinforcing			in 03 30 00				-	-	
03 30 00	Cast In Place Concrete	1.0	1.0	ls	1,752,342.00	918,189.00		1,752,342	918,189	
03 54 13	Gypsum Cement Underlayment			n/a				-	-	
	Embedded Items buyout	1.0	1.0	ls	10,000.00	10,000.00		10,000	10,000	
	Shoring of metal deck, falsework, blockouts			in 03 30 00				-	-	
	Site concrete patching for utilities (cut, remove, replace)							-	-	
	Site Gas (4' wide)			in site gas				-	-	
	Site Electrical & Low Voltage	1200	3,500.0	sf allow	45.00	45.00		54,000	157,500	
	Site Concrete not shown on drawings			nic				-	-	
	Trench Drains (Site) F&G (in formwork)			in 03 30 00				-	-	
DIVISION 4: MASONRY						5.71	/GSF	-	-	240,000
04 05 13	Masonry Mortar			in 04 20 19				-	-	
04 20 19	Adhered Masonry Veneer (thinset on lath & plaster by plaster sub)	1.0	1.0	ls	95,000.00	145,000.00		95,000	145,000	

DIVISION 5: METALS						52.58	/GSF	-	-	2,208,300
05 12 00	Structural Steel	1.0	1.0	ls	1,991,000.00	47,800.00		1,991,000	47,800	
								-	-	
	Small Deck Openings	20.0		ea allow	200.00			4,000	-	
	Deck Support Angles	80.0		locations	135.00			10,800	-	
								-	-	
05 31 00	Steel Floor Decking (In Arts Spec only)		-	in 05 31 23				-	-	
05 31 13	Steel Floor Decking (in TOC but not present in either spec)			in 05 31 23				-	-	
								-	-	
05 31 23	Steel Roof Decking	1.0	-	ls	144,700.00			144,700	-	
	Shoring of metal deck			nic, n/a				-	-	
								-	-	
								-	-	
05 40 00	Cold Formed Metal Framing			in 09 21 16				-	-	
								-	-	
05 50 00	Metal Fabrications			in 05 12 00				-	-	
								-	-	
05 52 15	Site Metal			in 05 12 00				-	-	
								-	-	
	Countertop Supports, Pony Wall Support Posts			in 05 12 00				-	-	
	Temp Safety Cables			in 05 12 00				-	-	
	Safety Cable and Penetrations Safety, Maintenance & Removal (Wright)	1.0			10,000.00			10,000	-	
								-	-	
DIVISION 6: WOOD AND PLASTICS						53.17	/GSF	-	-	2,233,345
								-	-	
06 10 00	Rough Carpentry - Framing		1.0	ls		1,390,000.00		-	1,390,000	
								-	-	
	Small Tools & Equipment	1.0	1.0	ls	15,000.00	15,000.00		15,000	15,000	
06 17 00	Manufactured Lumber			in above				-	-	
								-	-	
06 20 00	Finish & Misc Carpentry (labor and materials)	1.0	1.0	ls	100,000.00	100,000.00		100,000	100,000	
								-	-	
	General Project Laborer	18.0	14.0	mo	7,800.00	7,800.00		140,400	109,200	
								-	-	
06 41 16	Plastic-Laminate-Clad Architectural Cabinets (& Lab Casework) & Tops	1.0	1.0	ls	58,975.00	304,770.00		58,975	304,770	
								-	-	
								-	-	
								-	-	
DIVISION 7: THERMAL & MOISTURE PROTECTION						38.95	/GSF	-	-	1,635,999
								-	-	
								-	-	
07 12 00	Built-Up Bituminous Waterproofing, use tremco system in place of damp proof spec	1.0	1.0	allow	60,000.00	10,000.00		60,000	10,000	
								-	-	
07 13 53	Elastomeric Sheet Waterproofing - where does this apply? - SASM??			in 07 62 00				-	-	
								-	-	
	Vapor Barrier on Continuous Insulation (Arts) Tyvek spec			in 0924 00				-	-	
	Vapor Barrier at Sciences			in 09 24 00				-	-	
								-	-	
07 19 00	Water Repellants			in 09 90 00				-	-	
								-	-	
07 21 15	Continuous Wall Panel Insulation			in 07 21 16				-	-	
								-	-	
07 21 16	Blanket Insulation	1.0	1.0	ls	242,522.00	64,791.00		242,522	64,791	
								-	-	
07 22 00	Roof and Deck Insulation			in 07 51 00				-	-	
								-	-	
07 46 19	Steel Siding (at inside of parapet wall)		1.0	ls		48,703.00		-	48,703	
								-	-	
07 51 00	Built-Up Bituminous Roofing incl insulation	1.0	1.0	ls	339,866.00	337,814.00		339,866	337,814	
								-	-	
07 62 00	Sheet Metal Flashing & Trim	1.0	1.0	ls allow	199,898.50	165,704.50		199,899	165,705	
	SS Welded Window Flashing Frames			nic				-	-	
								-	-	
	SASM Flashings	1.0	1.0	ls allow	40,000.00	40,000.00		40,000	40,000	
								-	-	
07 71 23	Manufactured Gutters and Downspouts			in above				-	-	
								-	-	
07 72 33	Roof Hatches (& Smoke Vents)	1.0	1.0	ls	42,400.00	5,600.00		42,400	5,600	
								-	-	
07 92 00	Joint Sealants	1.0	1.0	ls	13,200.00	25,500.00		13,200	25,500	
								-	-	
	Insulation for decking flutes			n/a				-	-	
	Black acoustical insulation			in 07 21 15				-	-	
								-	-	
								-	-	
								-	-	

DIVISION 8: OPENINGS						30.96	/GSF	-	-	1,300,372
08 11 13	Hollow Metal Doors and Frames	1.0	1.0	ls	179,070.00	75,477.00		179,070	75,477	
08 12 13	Hollow Metal Frames			in 08 11 13				-	-	
08 14 00	Wood Doors			in 08 11 13				-	-	
08 31 00	Access Doors and Frames	1.0	1.0	allow	5,000.00	5,000.00		5,000	5,000	
08 33 23	Overhead Coiling Doors	1.0	-	ls	28,785.00			28,785	-	
08 36 13	Sectional Overhead Doors	-	1.0	ls		75,790.00		-	75,790	
08 41 13	Aluminum-Framed Entrances and Storefronts	1.0	1.0	ls	245,660.00	685,590.00		245,660	685,590	
	Storefront Sunshades			in 08 41 13				-	-	
08 43 13	Fire-Rated Aluminum Storefront			in 08 41 13				-	-	
08 44 13	Glazed Aluminum Curtain Wall			in 08 41 13				-	-	
08 51 13	Aluminum Windows			in 08 41 13				-	-	
08 62 00	Unit Skylights			in 08 41 13				-	-	
08 62 23	Tubular Skylights			in 08 41 13				-	-	
08 71 00	Door Hardware			in 08 11 13				-	-	
08 80 00	Glazing			in 08 41 13				-	-	
	Mirrors			in 08 41 13				-	-	
								-	-	
DIVISION 9: FINISHES						118.33	/GSF	-	-	4,969,968
09 21 16	Gypsum Board Assemblies	1.0	1.0	ls	2,067,200.00	295,000.00		2,067,200	295,000	
09 22 16	Metal Stud Framing			in above				-	-	
09 24 00	Cement Plastering - incl lath, scratch & brown for ext tile & brick, scaffold	1.0	1.0	ls	415,352.00	218,345.00		415,352	218,345	
	Scaffolding, Interior	1.0		ls	60,000.00			60,000	-	
09 30 14	Porcelain Tile Floor Finishing			in 09 30 15				-	-	
09 30 15	Porcelain Tile Wall Finishing	1.0	1.0	ls	170,247.00	59,793.00		170,247	59,793	
	Vapor barrier behind cement board interior	3,402.0	1,500.0	sf allow	8.00	8.00		27,216	12,000	
	Cement Board, Exterior, including furring			in 09 21 16				-	-	
09 51 13	Acoustical Panel Ceilings	1.0	1.0	ls	45,719.00	154,856.00		45,719	154,856	
	Soundscape Blades		1.0	ls		70,860.00		-	70,860	
	Metal Panel Ceilings							-	-	
	Interior	1.0		ls	113,166.00			113,166	-	
	Exterior	1.0		ls	33,448.00			33,448	-	
	Wood Acoustic Clouds (Madrid Wood Veneer Clouds)	1.0		ls	119,214.00			119,214	-	
09 64 56	Wood Stage Flooring	1.0	-	ls	85,265.00			85,265	-	
09 65 00	Resilient Flooring	1.0	1.0	ls	130,692.00	203,113.00		130,692	203,113	
09 68 13	Tile Carpeting			in 09 65 00				-	-	
09 68 16	Sheet Carpet			in 09 65 00				-	-	
	Epoxy Chip Flooring (delete; use sealed concrete instead)	5,800.0	220.0	sf allow	12.00	12.00		69,600	2,640	
	Concrete Stain & Seal			nic				-	-	
	Moisture Vapor Emissions Testing & Treatment at Slab on Grade	16,200.0	19,780.0	sf	5.00	5.00		81,000	98,900	

09 72 00	Wall Coverings			in 09 90 00				-	-	
								-	-	
09 77 33	Fiber Reinforced Plastic Panels (FRP) & FRL	1.0	1.0	ls	100,940.00	1,250.00		100,940	1,250	
								-	-	
09 84 13	Fabric Covered Sound-Absorbing Panels (AWP)	1.0		ls	18,462.00			18,462	-	
								-	-	
09 90 00	Painting	1.0	1.0	ls	223,290.00	92,400.00		223,290	92,400	
								-	-	
09 96 23	Graffiti Resistant Coating			in 09 90 00				-	-	
								-	-	
								-	-	
DIVISION 10: SPECIALTIES						9.50	/GSF	-	-	399,184
10 11 17	Glass Marker Boards - REVISED TO BE TRADITIONAL STEEL		1.0	ls		50,000.00		-	50,000	
								-	-	
10 11 19	Markerboards			see above				-	-	
	Tackable Wall Panels ALT: (3/4" Micore w Koroseal & Stoneybrook Vinyl Edge)		1.0	ls		32,133.00		-	32,133	
								-	-	
10 14 00	Signage	1.0	1.0	ls allow	41,847.00	43,696.00		41,847	43,696	
								-	-	
10 21 20	Solid Color Reinforced Composite Toilet Compartments	1.0	1.0	ls	39,429.00	19,260.00		39,429	19,260	
								-	-	
10 22 39	Folding Panel Partitions	1.0	-	ea	25,000.00			25,000	-	
								-	-	
10 22 41	Folding Glass Partitions	-		in 08 41 13				-	-	
								-	-	
10 28 13	Toilet Accessories			in 10 21 20				-	-	
								-	-	
10 44 00	Fire Protection Specialties	1.0	1.0	ls	7,000.00	7,000.00		7,000	7,000	
								-	-	
10 51 13	Metal Lockers	1.0	-	ls	8,195.00			8,195	-	
								-	-	
	HDI Perf Panel Railing	1.0		allow	100,000.00			100,000	-	
								-	-	
	Roof & Ships Ladders	5.0	1.0	ea allow	4,000.00	4,000.00		20,000	4,000	
								-	-	
	Prefabricated Metal Rooftop Equipment Screen			nic				-	-	
								-	-	
	Aluminum Photo Luminescent Stair Nosing Strips	232.0		lf	7.00			1,624	-	
								-	-	
								-	-	
DIVISION 11: EQUIPMENT						10.57	/GSF	-	-	443,995
11 53 13	Laboratory Fume Hood & Table and Related Products	-	1.0	ea		8,000.00		-	8,000	
								-	-	
	Chemical Storage Cabinets			OFCI				-	-	
								-	-	
	Projection Screens		-	in elect/AV				-	-	
								-	-	
	Orchestra Shell		-	nic				-	-	
								-	-	
11 61 33	Production Rigging	1.0		ls	369,995.00			369,995	-	
								-	-	
	Misc Unistrut (Protech)	1.0		allow	65,000.00			65,000	-	
								-	-	
11 61 43	Stage Curtains		-	in 11 61 33				-	-	
								-	-	
11 61 83	Production Lighting			in electrical				-	-	
								-	-	
11 90 00	Miscellaneous Equipment			in electrical				-	-	
								-	-	
	Knox Box	1.0	1.0	ls	500.00	500.00		500	500	
								-	-	
								-	-	
DIVISION 12: FURNISHINGS						4.75	/GSF	-	-	199,515
12 24 13	Roller Shades	1.0	1.0	ls	5,000.00	11,265.00		5,000	11,265	
								-	-	
12 48 43	Floor Mats							-	-	
	Exterior Walk Off Mats	1.0	1.0	ls	5,000.00	5,000.00		5,000	5,000	
	Interior	1.0	1.0	ls	5,600.00	5,600.00		5,600	5,600	
								-	-	
12 61 00	Fixed Audience Seating	463.0	-	ea allow	350.00	-		162,050	-	
								-	-	
								-	-	
DIVISION 13: SPECIAL CONSTRUCTION						-	/GSF	-	-	-
								-	-	

[illegible]

DIVISION 32: EXTERIOR IMPROVEMENTS						11.72	/GSF	-	-	492,246
								-	-	
32 01 33	Landscape Maintenance			in 32 91 13				-	-	
								-	-	
32 12 16	Asphalt Paving			in 31 05 13				-	-	
								-	-	
	AC Patch at Elect Utilities	1,200.0	3,788.0	sf allow	20.00	20.00		24,000	75,760	
								-	-	
32 13 13	Concrete Paving			in concrete				-	-	
								-	-	
32 13 14	Landscape Concrete			in concrete				-	-	
								-	-	
32 13 73	Landscape Concrete Joint Sealants			in jt sealants				-	-	
								-	-	
	Improvements to Existing Site Fire Access Roads			nic				-	-	
								-	-	
	Skate stoppers	107.0		ea	30.00			3,210	-	
	Outside Benches 15ea		1.0	ls		53,512.00			53,512	
	Bollards	8.0	8.0	ea	800.00	800.00		6,400	6,400	
								-	-	
	Fences and Gates	1.0	1.0	ls allow	33,612.00	18,000.00		33,612	18,000	
								-	-	
32 84 00	Irrigation (in planting)			in 32 90 00				-	-	
								-	-	
32 90 00	Planting (Neary Landscaping)	1.0	1.0	ls	76,829.00	184,523.00		76,829	184,523	
								-	-	
32 91 13	Landscape Soil Preparation			in 32 90 00				-	-	
								-	-	
	Asphalt Striping & Parking Signs		1.0	ls allow		10,000.00		-	10,000	
								-	-	
DIVISION 33: UTILITIES						9.41	/GSF	-	-	395,345
								-	-	
33 05 13	Manholes and Structures			in 31 05 13				-	-	
								-	-	
33 11 16	Water Utility Distribution Piping			in 31 05 13				-	-	
								-	-	
33 13 00	Disinfecting of Water Utility Distribution			in 31 05 13				-	-	
								-	-	
33 31 00	Sanitary Utility Sewerage Piping			in 31 05 13				-	-	
								-	-	
33 32 16	Packaged Utility Wastewater Pumping Stations			in 31 05 13				-	-	
								-	-	
33 34 00	Sanitary Utility Sewerage Force Mains			in 31 05 13				-	-	
								-	-	
33 41 00	Storm Utility Drainage Piping			in 31 05 13				-	-	
	Duratrench, trench drain			in 03 30 00				-	-	
	Note: the deep SD between Bldg 3400 and new Sciences Bldg needs to be move approx 15' east							-	-	
								-	-	
	Additional Storm Drain Replacement (allowance per Jason's Email)		550.0	If allow		225.00		-	123,750	
								-	-	
								-	-	
33 46 00	Subdrainage			n/a				-	-	
								-	-	
33 51 00	Site Natural Gas Distribution	1.0	1.0	ls	128,950.00	142,645.00		128,950	142,645	
								-	-	
								-	-	
TOTAL DIRECT COSTS								16,340,840	11,944,237	\$ 28,285,076
Construction Contingency @			4.01	%				654,890	28,285,076	
DSA Backcheck Allowance			1.00	allow	45,000.00	15,000.00		45,000	478,688	1,133,578
									15,000	60,000
	Subtotal, Direct Costs Plus Contingency							17,040,730	12,437,924	29,478,654
									29,478,654	
	Contractor Fee		11.00	%				1,874,480	1,368,172	3,242,652
									3,242,652	
	Contractor Liability Insurance			in fee				-	-	-
									-	
	Builder's All-Risk (COC) Insurance			in fee				-	-	-
									-	
	Bonds			in fee				-	-	-
									-	
	Escalation		-	NIC						-

TOTAL BUDGET, CONSTRUCTION		18,915,210	13,806,096	\$	32,721,306
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ALTERNATES / (at Cost of Work)

possibly use existing pathway for LV to Sciences
VE HVAC for Arts - significant equipment downgrades
VE HVAC for Sciences—no brainer
FF/FL slab tolerance measurements for interior building slabs
VE Bituminous Waterproofing
Demo Metal Building

(107,000)
——(40,205) Included
28,000
(49,500)
——18,600 Included

22,000
860
20,000 GSF
690 \$/SF