

City of Guadalupe Cultural Arts & Education Center Veterans Memorial Wall

Abstract

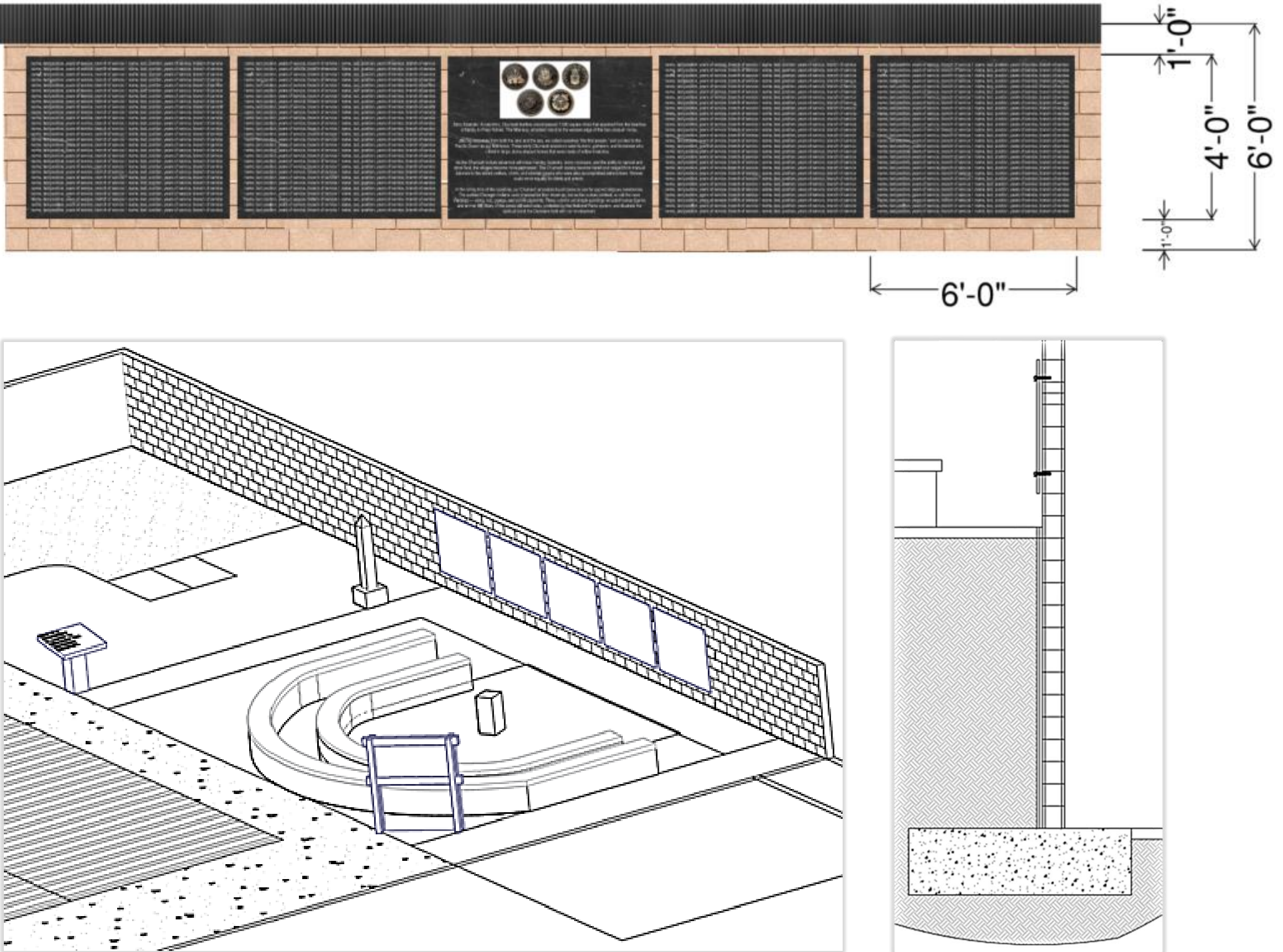
This project documents the construction management process related to a Veterans Memorial Wall. Through coordination with the project stakeholders a fully immersive construction management experience is gained. One of the stakeholder requirements was to establish a reasonable budget based on an unknown range that needed to be established. Common knowledge among construction managers are the three controlling variables of time, quality and budget. A project like the Veterans Memorial Wall has an emotional component that enables the project budget to sit within the moderate to luxury bracket because important people are being remembered. As a result of that bracket, quality tends to reside on the high side and therefore, a longer time-line is required to meet the level of quality. Mounting a granite slab may appear simple in concept; however challenging steps are required for successful execution.

Programming



Proposed location for the Veterans Memorial Wall to be mounted on existing CMU wall and be incorporated near the existing sundial seating area.

Design



Estimate & Schedule

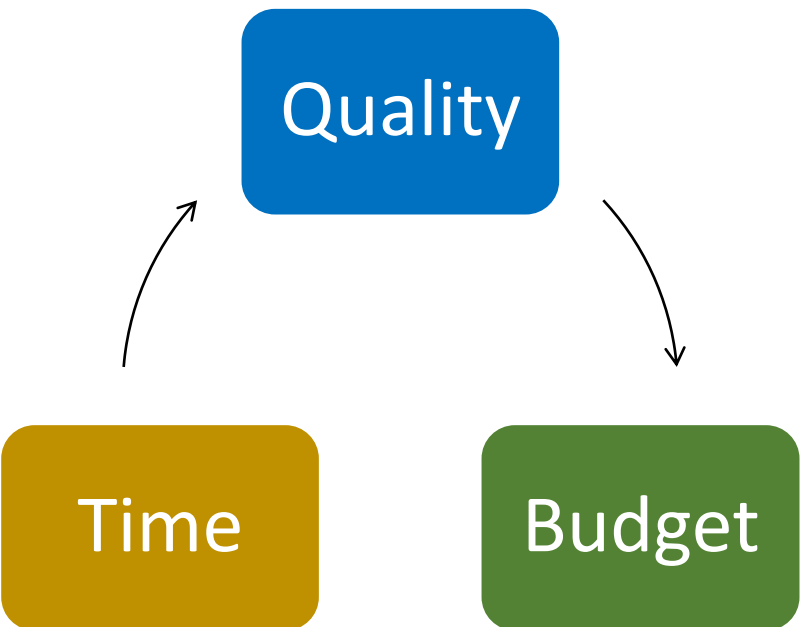
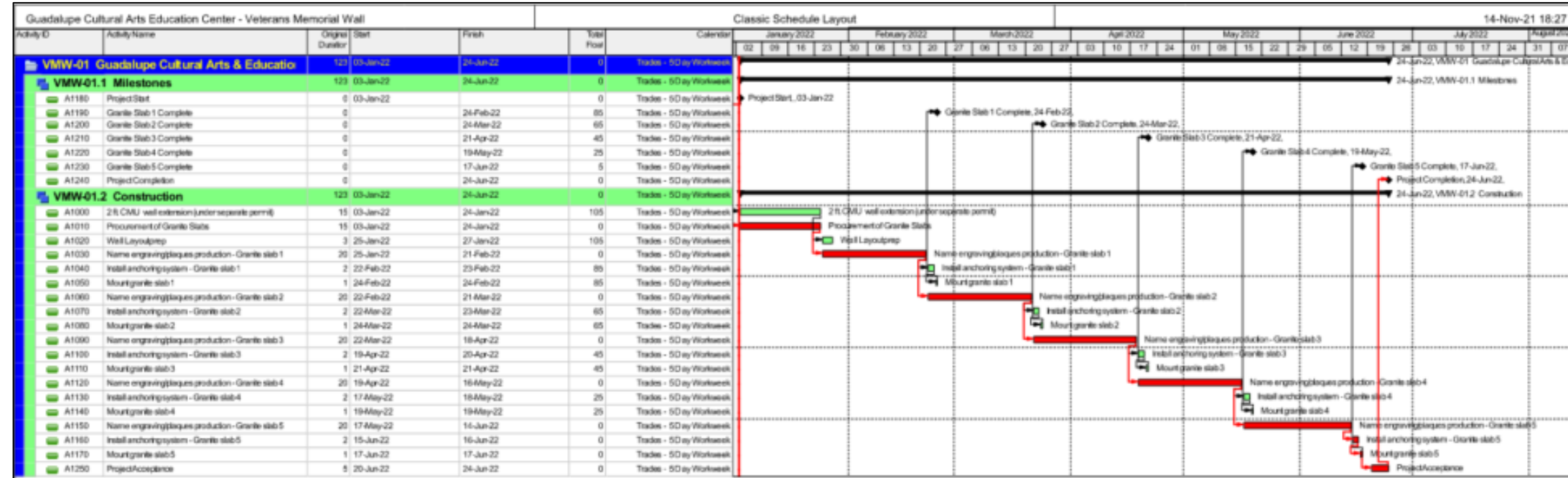
Two estimates were provided to allow the owner to compare costs between engraved lettering on granite and name placards on brushed metal. Estimate was based on cost per memorial slab.

Materials	Qty	Unit	Unit Price	Unit	Total
Granite Slab - 6 ft. wide x 4 ft. tall	24	SF	\$ 80.00	SF	\$ 1,920.00
Hardware - 5/8" all thread rod, nut & washer, epoxy, angle iron	1	LS	\$ 95.00	LS	\$ 95.00
Engraving	224	EA	\$ 55.00	EA	\$ 12,320.00
Shipping & Handling	1	LS	\$ 70.00	LS	\$ 70.00
					\$ 14,405.00

Labor	# of Laborers	Hours	Rate per Hour	Total Labor Cost
Wall Preparation	2	6	\$ 60.00	\$ 720.00
Anchoring	2	6	\$ 60.00	\$ 720.00
Installation	2	2	\$ 60.00	\$ 240.00
				\$ 1,680.00
			Overhead (11.25%)	\$ 1,809.56
			Taxes (8.75%)	\$ 1,260.44
			Profit (5%)	\$ 804.25
			Projected Total Cost	\$ 19,959.25

Materials	Qty	Unit	Unit Price	Unit	Total
Granite Slab - 6 ft. wide x 4 ft. tall	24	SF	\$ 80.00	SF	\$ 1,920.00
Hardware - 5/8" all thread rod, nut & washer, epoxy, angle iron	1	LS	\$ 95.00	LS	\$ 95.00
Engraving	224	EA	\$ 40.00	EA	\$ 8,960.00
Shipping & Handling	1	LS	\$ 70.00	LS	\$ 70.00
					\$ 11,045.00

Labor	# of Laborers	Hours	Rate per Hour	Total Labor Cost
Wall Preparation	2	6	\$ 60.00	\$ 720.00
Anchoring	2	6	\$ 60.00	\$ 720.00
Installation	2	2	\$ 60.00	\$ 240.00
				\$ 1,680.00
			Overhead (11.25%)	\$ 1,431.56
			Taxes (8.75%)	\$ 966.44
			Profit (5%)	\$ 636.25
			Projected Total Cost	\$ 15,759.25



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