

Scope of Work

Kenneth Heinzmann
Public Works Department
100 W. Houston St., Street Level
San Antonio, TX 78205
210-207-1683

July 28, 2023

Mr. Heinzmann,

Belt Built Contracting LLC. is pleased to submit Price Proposal for the “**Natorium Roof Replacement**” at #348 W Cesar Chavez blvd, San Antonio, TX 78207. Belt Built Contracting LLC. proposes to provide the labor and materials to make renovations in the amount of **\$2,133,482.56**

Belt Built will require 50% for purchase of the Kalwall Paneling, product is built on request. Manufacturing and shipping estimated 16-20 weeks.

Belt Built Contracting LLC. proposes to provide all materials, labor, tools, equipment, and daily supervision to accomplish tasks as outlined in COSA JOC contract documents. Belt Built Contracting LLC. will oversee all necessary safety measures. Belt Built Contracting LLC. will protect and clean up all “construction work” areas. Belt Built Contracting LLC. Plans for new roof renovations identified during site visit by performing the following:

1. Drawings and specifications in accordance with original design and original design calculations will be provided on award.
2. Replace materials in accordance with the original Structures Unlimited shop drawings, including the design codes and loads noted therein.
3. New 2 3/4” Kalwall translucent, insulated, structural sandwich fixed roof and wall panels per the attached product data and line-item proposal.
4. Retractable skylight openings will be refurbished with new panels. They will maintain their open/close functionality, unhindered by then new paneling and finish trim.
5. Natatorium to be fenced off with temporary fencing for safety of others while transporting material and working overhead.
6. Removed original panels to be returned to Kalwall manufacturer for recycling.
7. Dumpster onsite for demoed materials and shipping packaging materials.

TECHNICAL DATA & INFORMATION

- Live Load: In accordance with the original shop drawings prepared by SUI in 1979 and 1998*
- Exterior Face: .070 white Superweathering
- Interior Face: .045 white Type S-171
- Wind Load: In accordance with the original shop drawings prepared by SUI in 1979 and 1998*
- Metal Finish: A new standard colored, factory applied, corrosion resistant finish to be selected.
- Drift Load: In accordance with the original shop drawings prepared by SUI in 1979 and 1998*
- Grid: 12” x 24” shoji
- Insulation: .23 panel U-factor
- Roof Pitches: 16, 20, and 25 degrees.


Performance Data: 2-3/4" (70mm) Kalwall Panel

FRP Face Sheet Combinations		Visible Light Transmission (VLT) %					Solar Heat Gain Coefficient @ 0°				
Exterior FRP	Interior FRP	0.53 U	0.29 0.23 U	0.22 0.14 U	0.18 0.10 U	0.05 U	0.53 U	0.29 0.23 U	0.22 0.14 U	0.18 0.10 U	0.05 U
Crystal	White	35%	20%	12%	8%	20%	0.52	0.28	0.17	0.13	0.25
White	White	20%	15%	8%	5%	14%	0.38	0.23	0.15	0.11	0.18
Crystal	Crystal	50%	30%	15%	10%	N/A	0.85	0.33	0.18	0.13	N/A
Aqua	White	29%	17%	6%	4%	15%	0.45	0.24	0.14	0.10	0.21
Rose	White	30%	18%	6%	4%	16%	0.46	0.24	0.15	0.10	0.21
Ice Blue	White	35%	20%	8%	6%	21%	0.54	0.28	0.17	0.12	0.26
Greenish Blue	White	25%	14%	5%	3%	14%	0.50	0.23	0.14	0.10	0.19

U-value SI conversion: 1.0 W/m²K = 0.176 Btu/hr/ft²/°F


U-values shown in bold denote thermally-broken grid core panels.

Approximate Visible light transmission (VLT) values by ASTM E-972. VLT values over 30% are not recommended for most Kalwall applications.

Panel U-values include panel grid-core by NFRC 100 or 102. NFRC certified system U-values vary depending on framing.

Shading Coefficient (SC) is equal to 1.15 times the Solar Heat Gain Coefficient (SHGC).



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We thank you for the opportunity and look forward to working with you on this and all your project needs.

Chris Whitman

Belt Built Contracting, LLC.