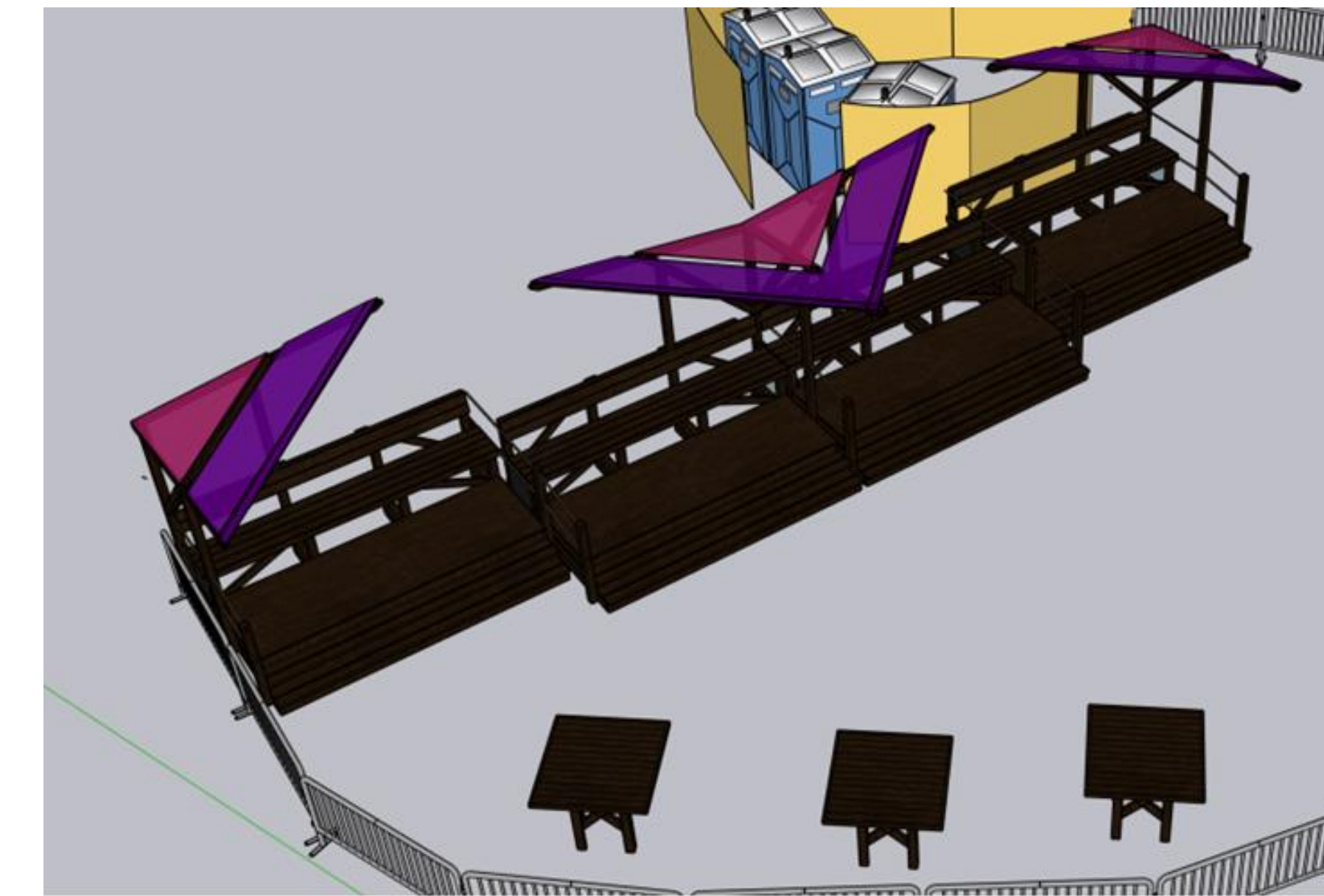




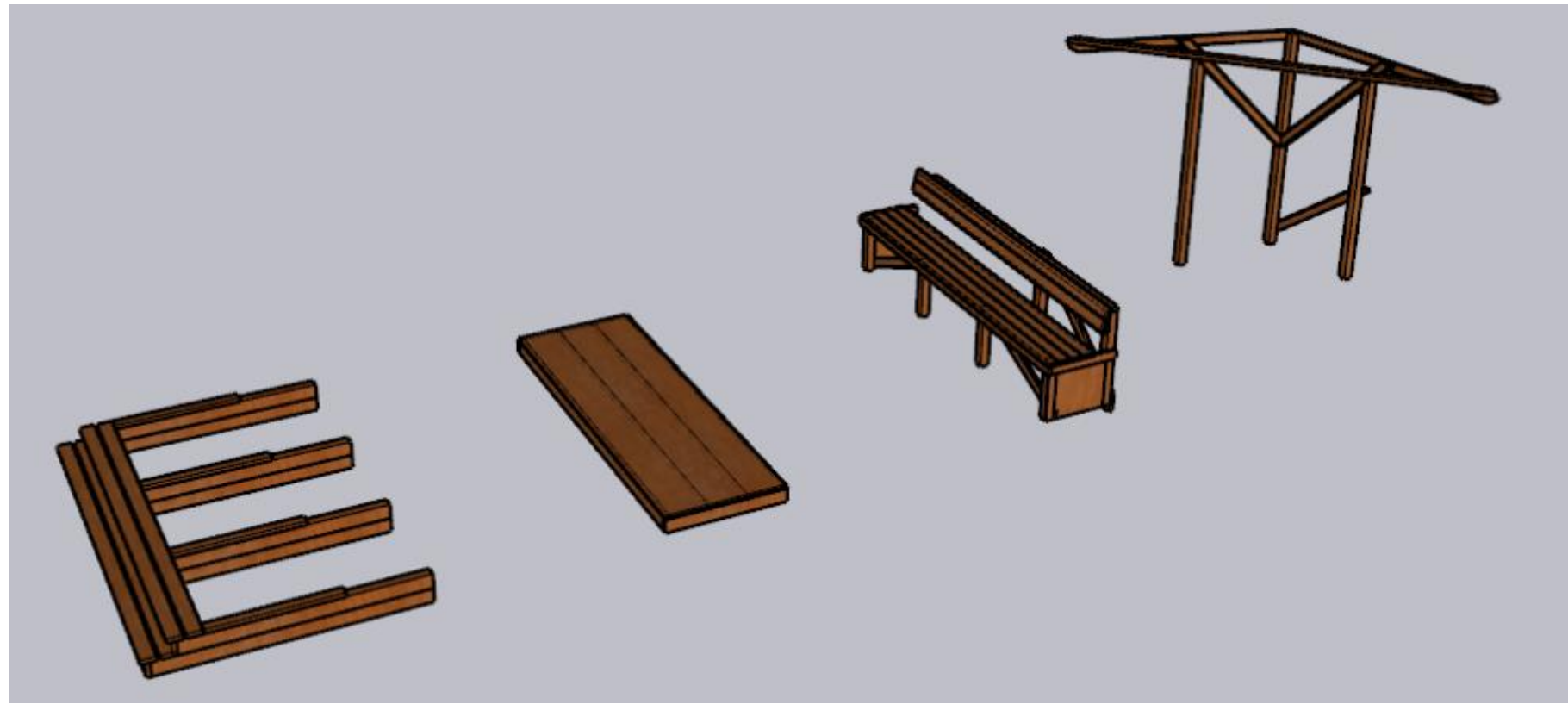
SHABANG Music Festival VIP Seating

Student: Carter Norton

This project focused on the building and installation of four shaded seating areas at the SHABANG music festival located at Laguna Lake Park. This project saw an emphasis on the pre-construction elements of the building stage. SHABANG music group rented out a section of the park to host a small music festival designed to bring the San Luis Obispo community together. The goal of the project was to build raised seating facing the main stage in which music lovers could relax while still being able to enjoy an unobstructed view of said stage. The preconstruction for the project was completed by the build team, with volunteers being recruited for the installation phase. Pre-construction focused on coordinating with the SHABANG design team, obtaining/planning materials in relation to the schematic design, planning site building elements, and pre-fabrication. This project spanned the entire building and installation process with a primary focus on pre-construction elements.



Seating Design



Seating Unit Explode



Seating Mock-up



Finished Booths at Festival



Laguna Lake Set up

SHABANG VIP TAKEOFF

Piece A: Foundation						
Description	Unit	Length	QTY	Unit Cost	Estimate	
Steps	6x2	12'	4	\$21.00	\$84.00	
Front Baseboard	6x2	12'	2	\$21.00	\$42.00	
Top Plates	2x4	4'	2	\$6.48	\$12.96	
Back Plate	2x4	12'	1	\$22.98	\$22.98	
Bottom Foundation Beam	4x6	8'	4	\$27.00	\$108.00	
Top Foundation Beams	4x6	7'-3"	4	\$27.00	\$108.00	
				Foundation Price:	\$377.94	

Piece B: Deck						
Description	Unit	Length	QTY	Unit Cost	Estimate	
Joists	6x2	11'-9"	4	\$21.00	\$84.00	
(Top) Plates	2x4	4'	2	\$6.48	\$12.96	
End Blocks	6x2	4'	2	\$7.58	\$15.16	
Sheathing	3/4"	4'x12'	1	\$121.47	\$121.47	
				Deck Price:	\$233.59	

Piece C: Bench						
Description	Unit	Length	QTY	Unit Cost	Estimate	
Front Legs	4x4	2'-3/4"	4		\$0.00	
(Middle + Back) Joists	2x4	12'	2	\$22.98	\$45.96	
Front Joist	2x4	12'-3"	1	\$22.98	\$22.98	
Front Cross Braces	2x4	4'-7 1/8"	2	\$6.32	\$12.64	
Back Cross Braces	2x4	5'-9 1/2 (5'-8 3/4")	2	\$6.32	\$12.64	
Back Legs	4x4	3'-5 1/2"	2	Using Scrap	\$0.00	
Top Back Bench Joist	2x4	11'-4"	1	\$22.98	\$22.98	
Bottom Back Bench Joist	2x4	3'-7 3/8"	3	\$5.98	\$17.94	
Grooved Wood Seating	3/4"	1'10" x 12'-3"	1	On Site	\$0.00	
Grooved Wood Seat Back	3/4"	10 3/4" x 12'-3"	1	On Site	\$0.00	
				Bench Price:	\$135.14	

Piece D: Canopy						
Description	Unit	Length	QTY	Unit Cost	Estimate	
Small Supports	4x4	8'-2 1/2"	2	\$27.22	\$54.44	
Main Support	4x4	8'-5 1/2"	1	\$27.22	\$27.22	
Cross Brace	4x4	7'-1 1/16"	2	\$27.22	\$54.44	
Outward Support	2x4	10' 1 1/8"	2	\$22.98	\$45.96	
Top Diagonal	2x4	14'-1 3/4"	1	\$22.98	\$22.98	
				Canopy Price:	\$205.04	

Total Pricing			
Description	Cost Per Unit	QTY	Total Price
Full Seating Unit	\$951.71	4	\$3,806.84

Material Takeoff / Estimate

Lessons Learned:

- Interdisciplinary Communication
- Understanding of Building Methods
- Proper usage of Tools
- On Site Safety Precautions
- Effective Material Recycling
- Prefabrication Practices
- Shipping of Construction Materials

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