



A Faster
Way to Build



Berce Athletic Center

Regis University

Location

Denver, Colorado

Project

130 ft x 150 ft
Insulated gymnasium

Year built

2020

Schedule

4 months

Application

NCAA Division II
facility for basketball,
volleyball, and athletic
conditioning

Features

- DuPont™ Tedlar® architectural membrane
- Military-grade aluminum substructure
- 9" R30 fiberglass blanket insulation
- HVAC
- Peak-integrated daylight panels
- Brand graphics on exterior
- Designed to shed snow
- Engineered to withstand hurricanes and blizzards
- Endures temps from -60°F to 122°F
- Relocatable and reconfigurable
- Interior tensioned membrane
- Houses two basketball courts, three volleyball courts and training facilities

Gymnasium

Engineered & Manufactured by
Sprung Structures
www.sprung.com







innovation | versatility | reliability

TOLL FREE: 1-800-528-9899
 (408) 691-2592 www.sprung.com

GENERAL NOTES:

1. ALL PERSONNEL DOORS C/W PNC HARDWARE & HOOKS, AS NOTED.
2. STRUCTURE TO BE INSULATED WITH 2" POLYURETHANE INSULATION. SEE SPECIFICATIONS LINKS TO DAYLIGHT PANEL LOG, ONLY.
3. INNER & OUTER MEMBRANE TO BE FINISHED TO CONCRETE USING ALUM. FLAT BRK.
4. STRUCTURE MEMBRANE MEETS: MEET 7017 CALIFORNIA STATE FIRE MARSHAL, 408 EDA, 4. UCLUSTA STRUCTURALS.
5. THIS STRUCTURE IS DESIGNED TO SHED WIND LOADS. THE STRUCTURE SHOULD BE KEPT CLEAR.
6. WHEN DESIGNING A HEATING, VENTILATION OR AIR CONDITIONING SYSTEM FOR ANY TYPE OF BUILDING, IT IS IMPORTANT TO TAKE INTO ACCOUNT THE FACT THAT THE AIR TRIM IS BEING EXHAUSTED AT ANY POINTS OF ENTRY. THIS IS ESPECIALLY IMPORTANT IN CONCRETE STRUCTURES. CONSIDER, CONVERSELY, IF NEGATIVE PRESSURE EXISTS AT ANY POINTS OF ENTRY, THE STRUCTURE WILL BE DRAWN INTO THE STRUCTURE.
7. ALL INTERIOR WALLS & PARTITIONS (IF APPLICABLE) TO BE FREE STANDING & INDEPENDENT OF SPRING STRUCTURE.

DESIGN LOADS

FRONTIERE, GARDENROVER, CO
 BUILDING CODE: BC 2018
 WIND SPEED: 120 mph 3 SEC GUST
 WIND DIRECTION: AS NOTED
 SNOW LOAD: 30 psf
 (SEE SHOW SHED REPORT)



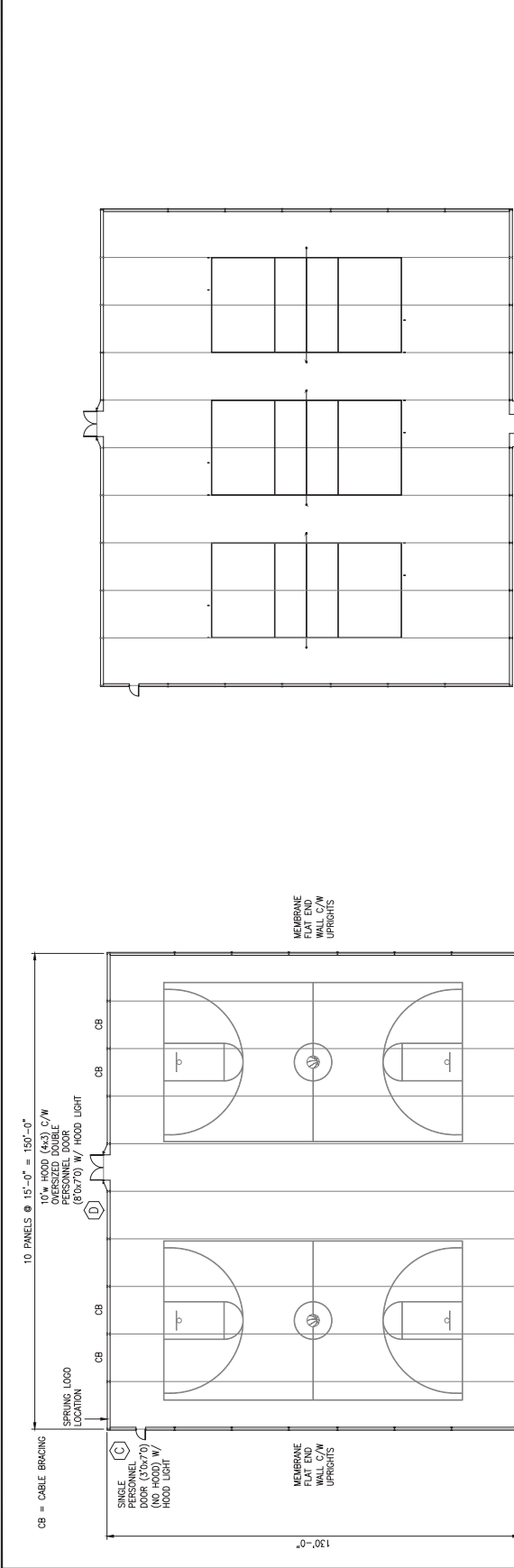
340 E 10th Avenue
 Suite 100
 Phoenix, AZ 85017-4804-0488

SIGNATURE SERIES

1	10'x10' HOOD	1/4" = 1'-0"
2	14'x3' HOOD	1/16" = 1'-0"
3	10'x10' HOOD	1/4" = 1'-0"
4	14'x3' HOOD	1/16" = 1'-0"
5	8'x12' INSULATED BEAM SECTION	3" = 1'-0"
6	10'x10' HOOD	1/4" = 1'-0"
7	130'x0' INSULATED STRUCTURE	1/16" = 1'-0"

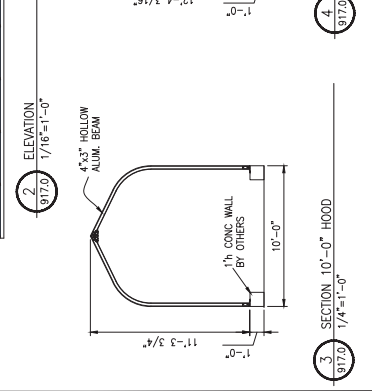
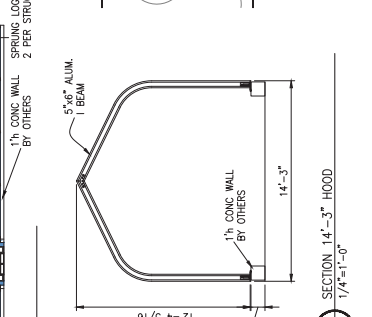
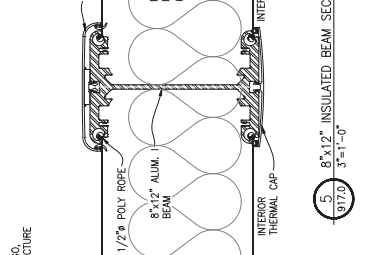
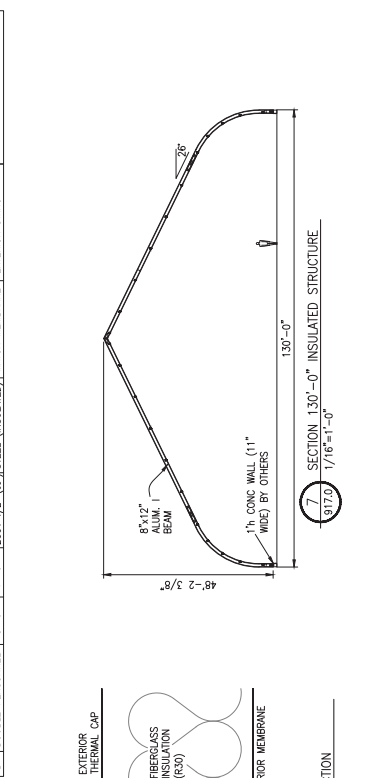
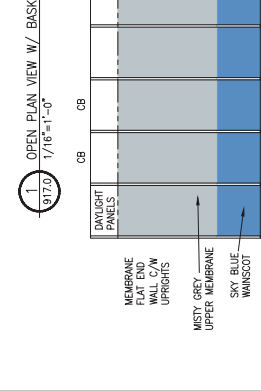
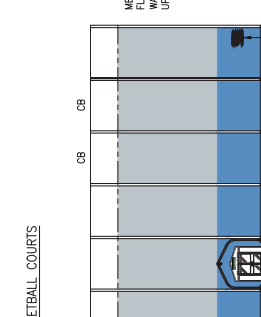
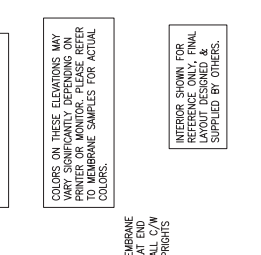
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PROJECT NO.	REGIS UNIVERSITY
DATE	03/13/2020
SCALE	AS NOTED
DRAWN BY	P19-917.0
CHECKED BY	2429



DOOR SPECIFICATIONS

ID	TYPE	WIDTH	HEIGHT	CLEAR WIDTH	MATERIAL	COLOR	SWING DIRECTION	REMARKS
A	DOUBLE GLASS	6'-0"	7'-0"	2x34 1/2" (69")	ALUMINUM	RAW ALUM.	EXTERIOR SWING	CLEAR GLASS, RAKE TRANSOM, SIDE LITES & HOOD LIGHT
B	DOUBLE GLASS	6'-0"	7'-0"	2x34 1/2" (69")	ALUMINUM	RAW ALUM.	EXTERIOR SWING	CLEAR GLASS
C	SINGLE PERSONNEL	3'-0"	7'-0"	34 1/2"	STEEL (INSULATED)	WATCH MEMBRANE	EXTERIOR SWING (RHR)	HOOD LIGHT
D	DOUBLE PERSONNEL	8'-0"	7'-0"	2x34 1/2" (69")	STEEL (INSULATED)	WATCH MEMBRANE	EXTERIOR SWING	HOOD LIGHT





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Benefits of Sprung for Education

- 1. Immediate Delivery from Inventory** – Complete projects in a much shorter time-frame than conventional construction.
- 2. Spacious Environment** – Provide a bright and spacious playing environment with a tall peak height, fortified with a fully tensioned white interior membrane.
- 3. Sunlight and a Bright, Welcoming Space** – Allow more natural light to penetrate and brighten the interior space with daylight panels and glazing walls.
- 4. Superior Performing Insulation System** – Achieve exceptional performance as well as lower operating and energy costs with Sprung's airtight building envelope and fully lofted fiberglass insulation system.
- 5. Rapid Construction Schedule** – Significantly reduce construction costs and timelines compared to conventional construction.

About Sprung

Sprung is the global innovator and manufacturer of high-performance tensioned membrane structures used around the world to meet rapid-response building needs in education, healthcare, technology, aviation, recreation, commercial and more. Reconfigurable, relocatable and built to endure extreme climates and weather events, Sprung structures are engineered for long-term flexible use. Customizations include performance insulation packages for superior indoor climate control, peak-integrated daylight panels, doors and entryways for every application, and countless accessories. In business since 1887, Sprung has completed over 12,000 structures in more than 100 countries.

For more information about this project
contact Sprung Structures
1 800 528 9899