

ASBA  2024

ASBA TECHNICAL MEETING & TRADE SHOW
DECEMBER 3-6, 2024 | ORLANDO, FLORIDA

**COURTING SUCCESS DESIGN AND
LAYOUT CONSIDERATIONS FOR GREAT
COURT SPACES**



ABOUT THE SPEAKER



Senior Vice President of
Development Services

JAKE WHITTAKER

- Oversee Development Services at SFC
- Previous roles in equipment manufacturer and as specialty contractor
- Over 30 projects opened at SFC:
 - Legends Event Center, Bryan, TX
 - Cedar Park Sports Center, Sandusky, OH
 - Iron Peak Sports and Events, Hillsborough, NJ
 - Advent Health Sports Park at Bluehawk Overland Park, KS

FOUNDED IN 2003

SFC SPORTS FACILITIES
COMPANIES

OUR MISSION

IMPROVE THE
HEALTH & ECONOMIC
VITALITY OF THE
COMMUNITIES
WE SERVE

3,000 COMMUNITIES
SERVED

\$15 BILLION
IN PLANNED & FUNDED FACILITIES

25 MILLION
ANNUAL VISITS TO SFM FACILITIES

2,500+
TEAM MEMBERS
AND GROWING

PLANNING
OPTIMIZATION



DEVELOPMENT
MANAGEMENT

THE VOICE OF THE INDUSTRY

ICMA

INTERNATIONAL CITY/COUNTY
MANAGEMENT ASSOCIATION

THE ASPEN INSTITUTE
PROJECT PLAY
— 2024 —

FRPA

FLORIDA RECREATION
& PARK ASSOCIATION

THE SFNETWORK

THE SINGLE LARGEST & FASTEST GROWING SPORTS TOURISM NETWORK

WWW.THESFNETWORK.COM

AGENDA

01 PROGRAMMING DRIVEN DESIGN

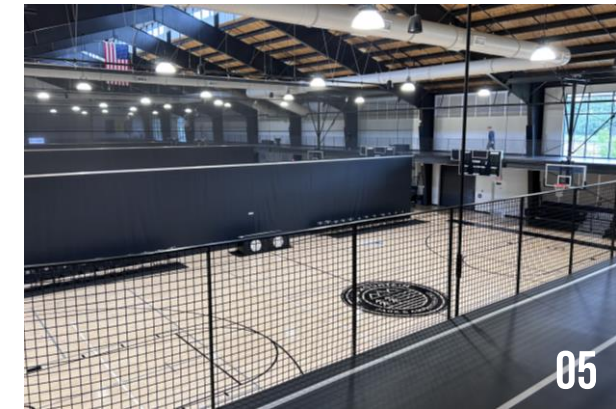
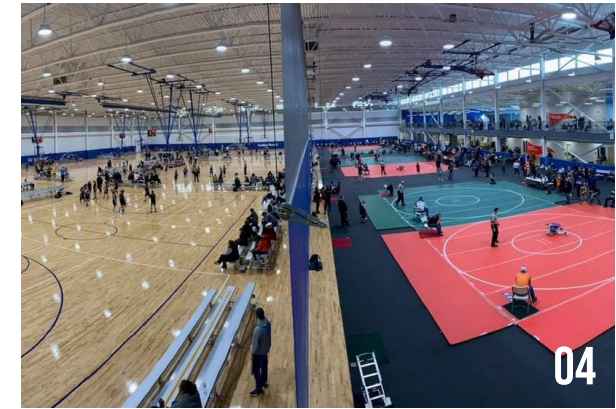
02 INDOOR COURTS AND LAYOUTS

03 STRIPING BEST PRACTICES

04 LAYOUT CONSIDERATIONS

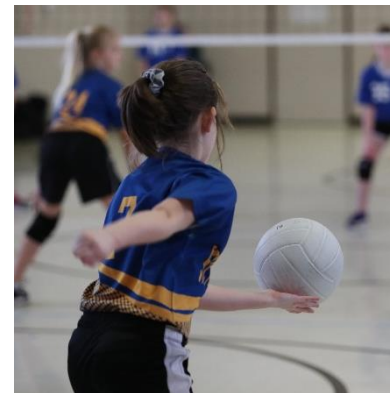
05 BUILDING IMPACTS

06 EQUIPMENT COORDINATION



PROGRAMMING DRIVEN DESIGN

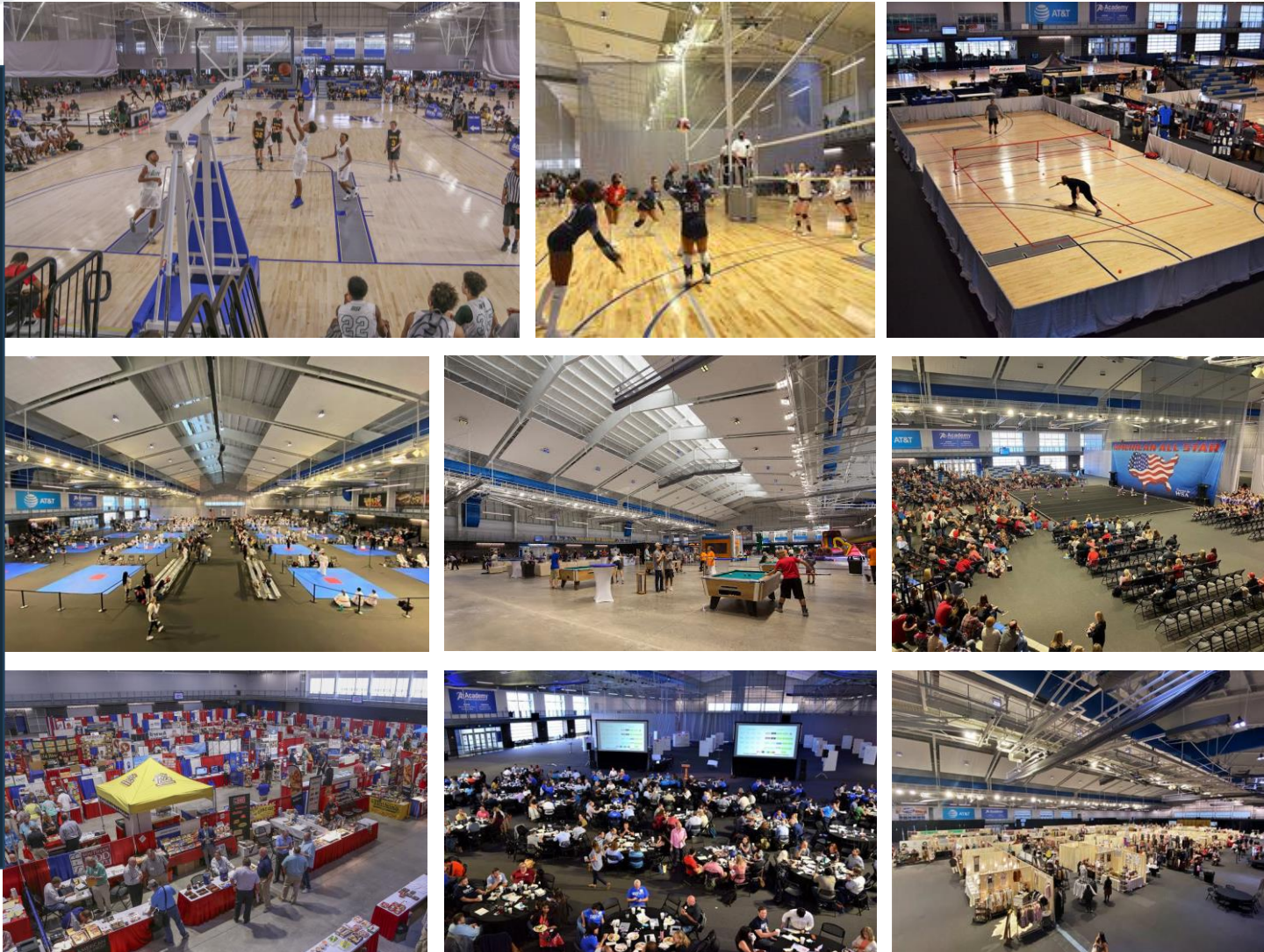
- Sports & Activities
- Targeted Governing Bodies
- Activities of those Targets
- Leagues, Camps, Tournaments, Events, Practices, Training
- Non-Sport Activities
- Future State
- Scheduling and Overlap



PROGRAMMING DRIVEN DESIGN

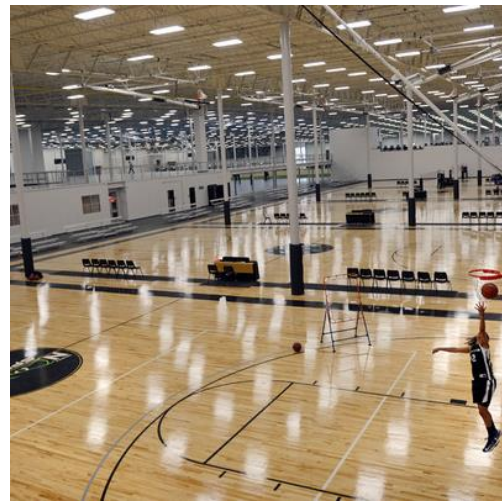
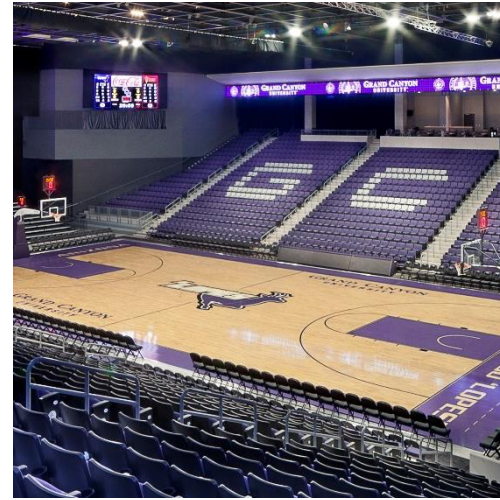
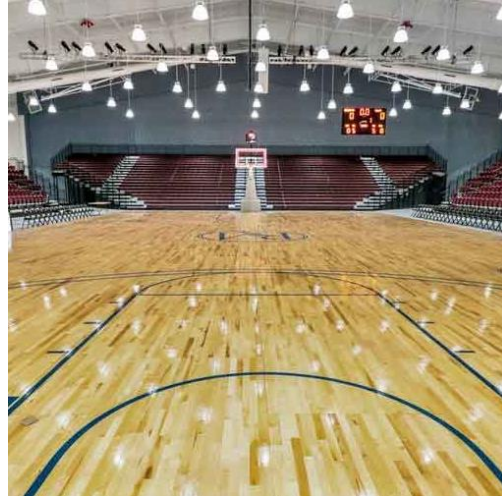


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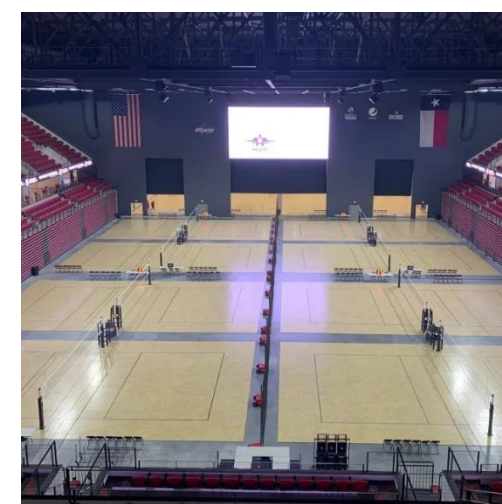
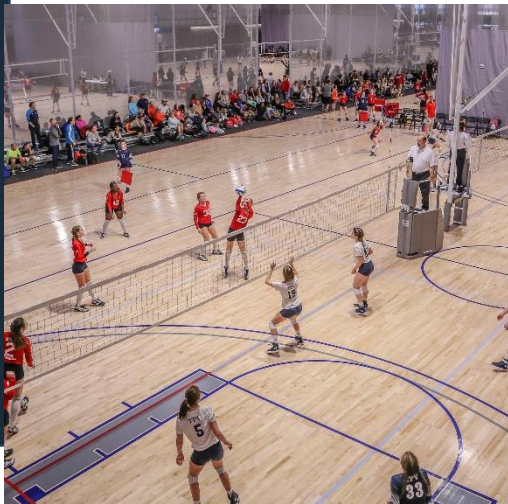
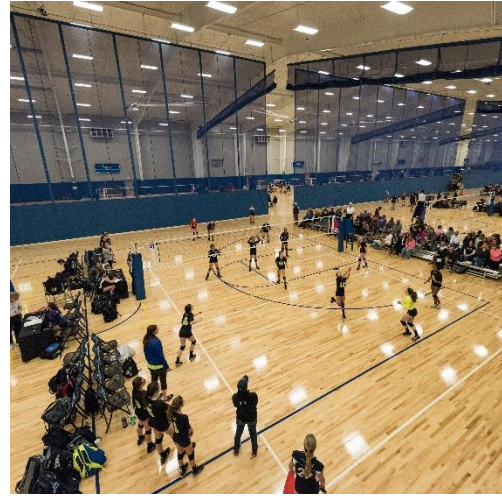
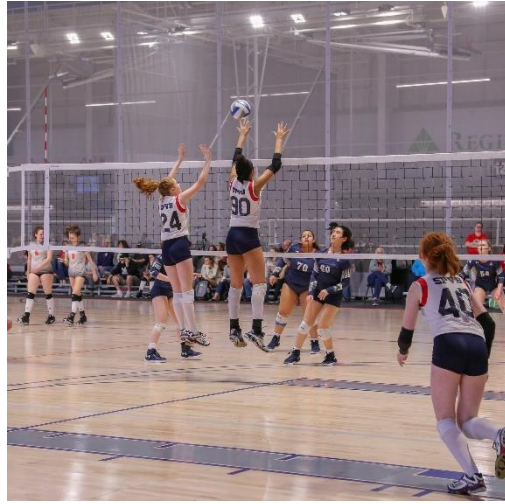
- Flexible Uses of Court Spaces.
- Each Image is the same space, configured differently.

COURTS AND LAYOUTS: BASKETBALL



- Court Size based on Governing Bodies
(Middle School, Youth Leagues, NFHS, NCAA, NBA, FIBA)
- Striping for Multiple Programs
- Is simplifying an option?
 - Charge Arcs, Coaching Boxes, Center Marks

COURTS AND LAYOUTS: VOLLEYBALL



- Court Size based on Governing Bodies
(Middle School, Youth Leagues, NFHS, NCAA, USAV)
 - NCAA: 29'-6" Wide or 9m
 - NFHS: 30' Wide or 9m
 - USAV: 9m
- Is simplifying an option?

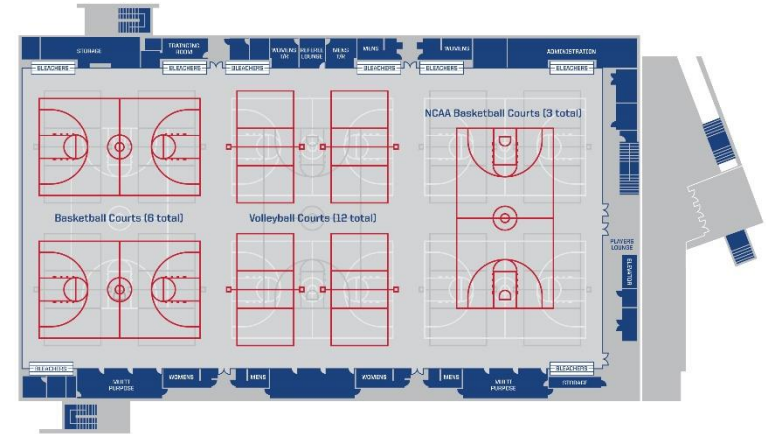
COURTS AND LAYOUTS: MULTI-COURT

1 NFHS Basketball and 1 USAV Volleyball Court:

- 5,640 SF w/o participants or spectators.
- 6,500 SF w/ Participants and some spectators.

1 NFHS Basketball and 2 USAV Volleyball Court:

- 6,716 w/o participants or spectators.
- 7,592 with participants and spectator.
- 8,320 to increase to 10' serving areas.



COURTS AND LAYOUTS: MULTI-COURT



- Not aligning courts can maximize inventory
- Operational Challenges

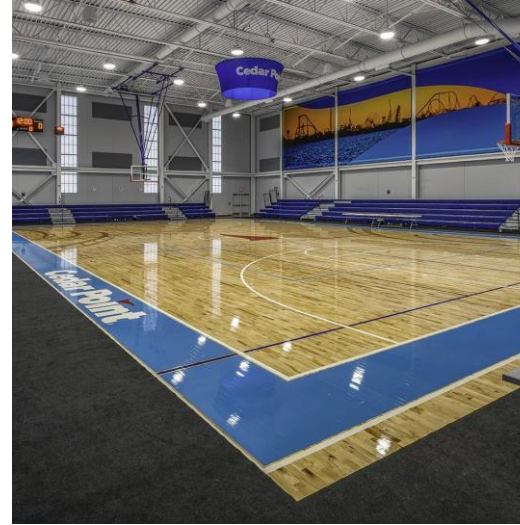
STRIPING LAYOUT



- Background such as the Grade of Maple can affect visibility of lines.
- Most governing bodies do not call out specific colors, just contrasting with background.
- Ensure contrast with Other Lines.
- Consider other colors in Facility.
- How busy is too busy?

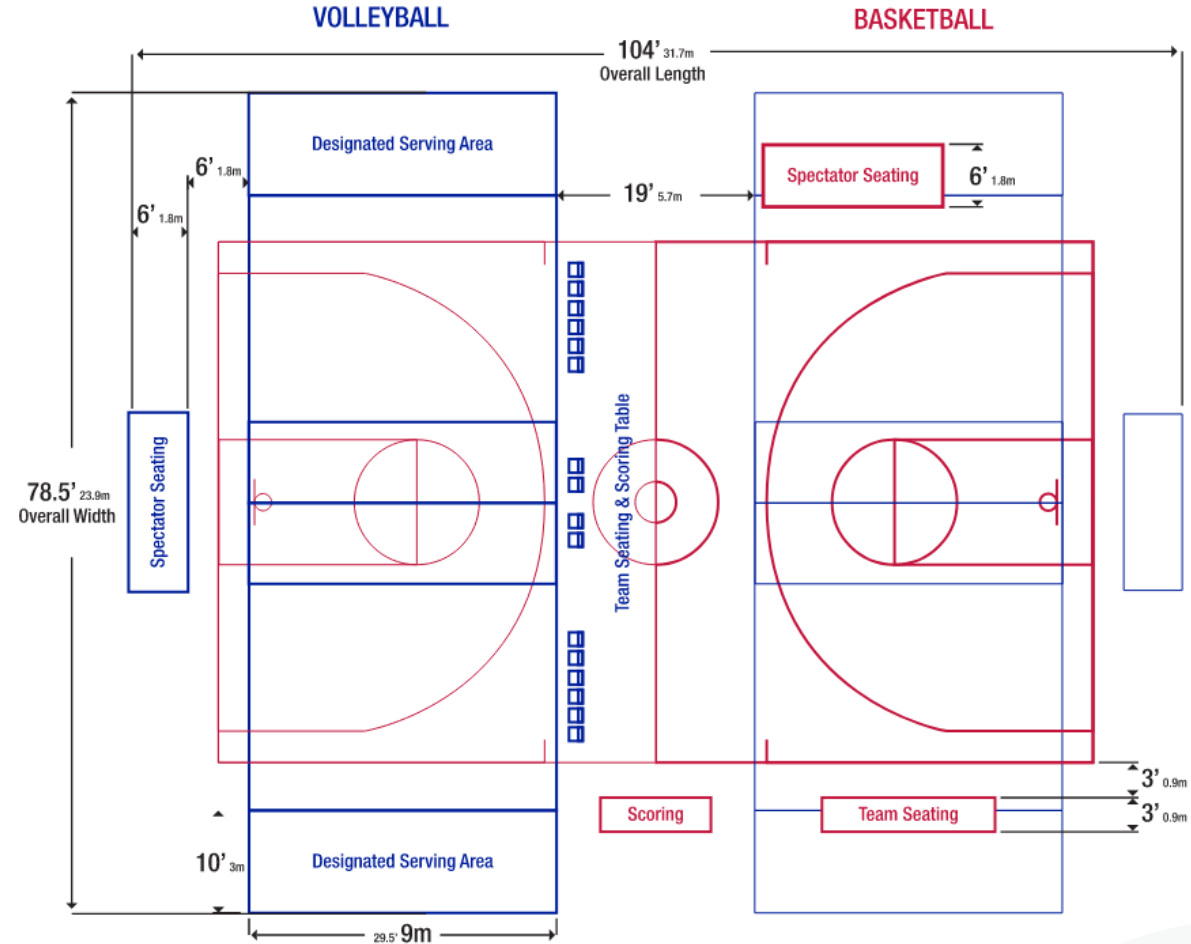
STRIPING LAYOUT

- Creative Floor Covering can help with conflicting lines.
- Tic Marks can be added for easy set up of equipment or setup. Temp markings if approved by flooring.
- Secondary sports w/o governing bodies or official programming can be stain or color w/o significant contrast.



SEATING

- Consider the amount of seating required in the layout. Spectator and Participant seating does not need to be equal.
- Common in multi-court configurations to keep spectators together and Participants together.

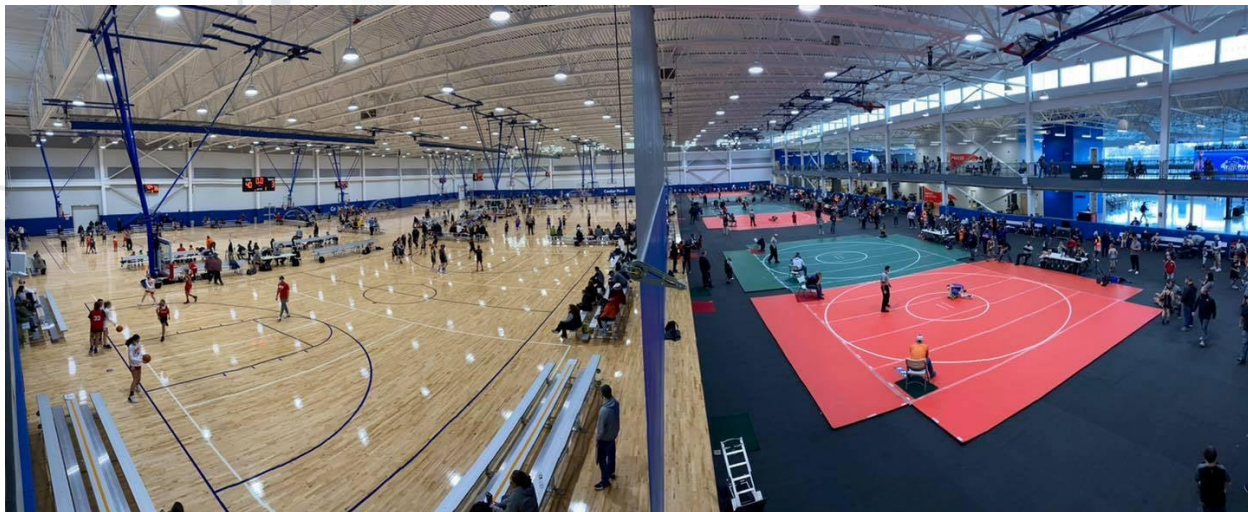


Example Layout

RUN OFF CONSIDERATIONS

- Level of Play
- Minimum Distance Recommended by Governing Bodies being played
- Obstruction Type
- Padding Options





BALL CONTROL

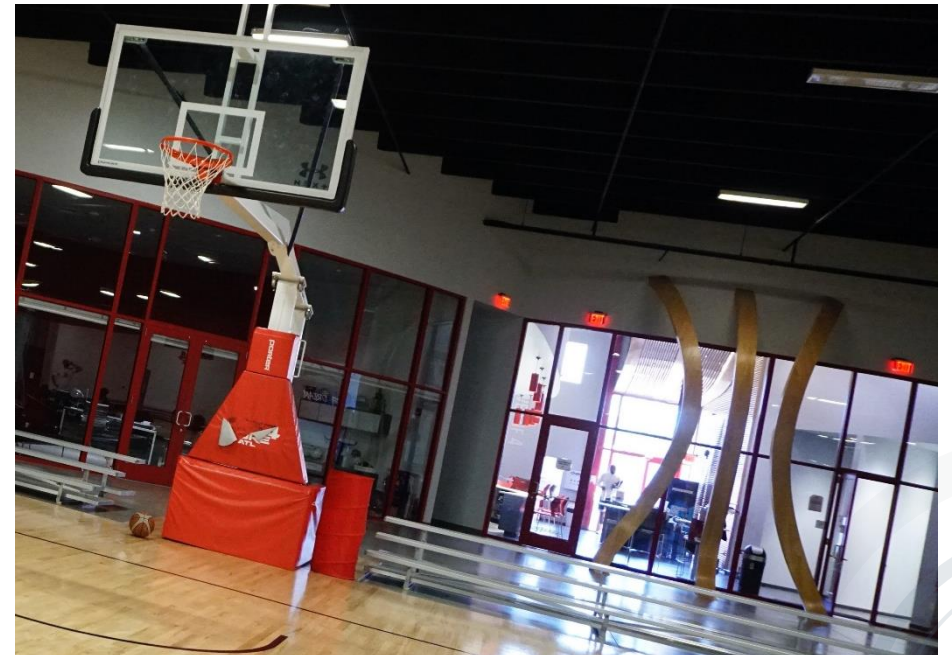
- Equipment such as Divider Curtains or Netting can control balls between playing surfaces.
- Spectators and seating can create additional barriers
- Spectator Safety



BUILDING CONSIDERATIONS

Doors

- Glazed or Side Light in doors for visibility into what activity being entered.
- Position door between courts and out of areas with high likelihood of play.
- Consider location and number of entries if credential checks (Tickets, Players) are required for programming.
- Doors can be difficult to Pad, consider areas that wouldn't require padding.

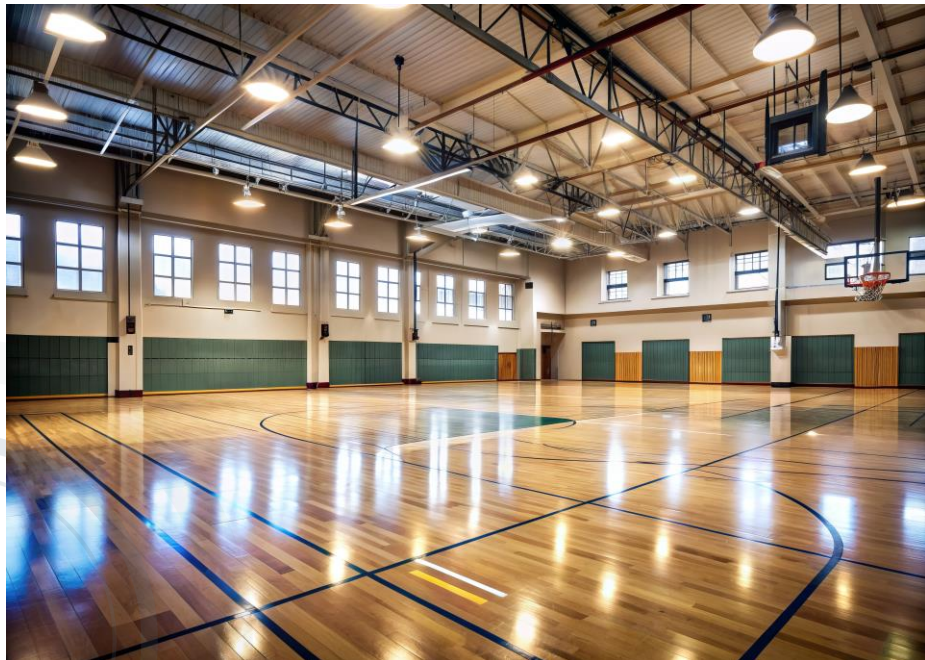




BUILDING CONSIDERATIONS

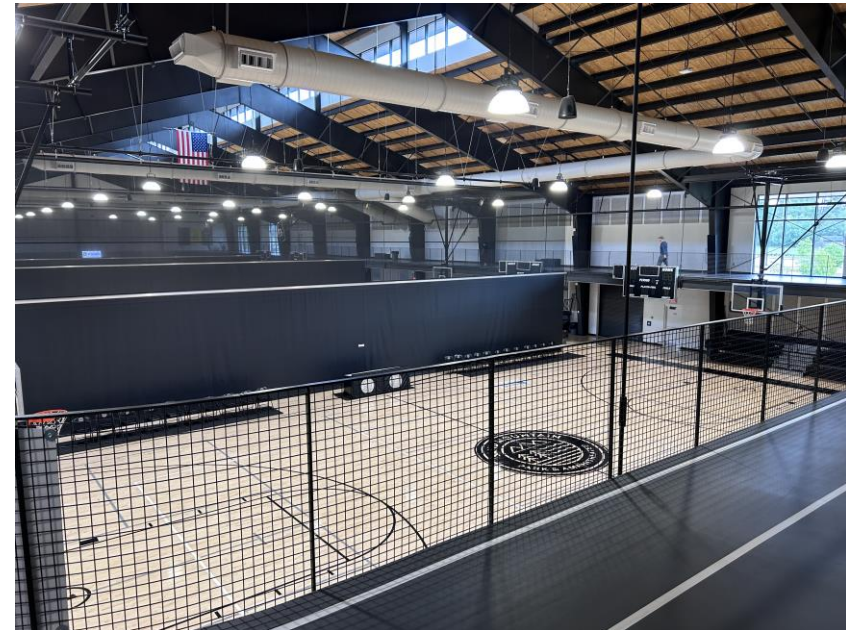
Windows

- Consider Locations, Number, and Height due to glare on surfaces.
- Consider if programming will require light control events (Cheer, Dance, Entertainment).
- Can not pad windows, so keep out of areas that should have padding.



BUILDING CONSIDERATIONS

- Additional Obstructions can include:
 - Support Columns
 - Floor Boxes
- Running Tracks over Service Areas
- Ceiling Suspended Equipment



BUILDING CONSIDERATIONS

- Floor Boxes for power, data, scoreboard, etc. should be kept off playing surfaces if possible.



EQUIPMENT

Portable Basketball Backstops

Plan for Footprint of Unit

- Account for clearance behind the court line.
- Ensure extension length meets safe play requirements.

Anchoring Needs

- Confirm anchor points align with the backstop's design.
- Check local codes and guidelines for secure installation.

Electrical Considerations

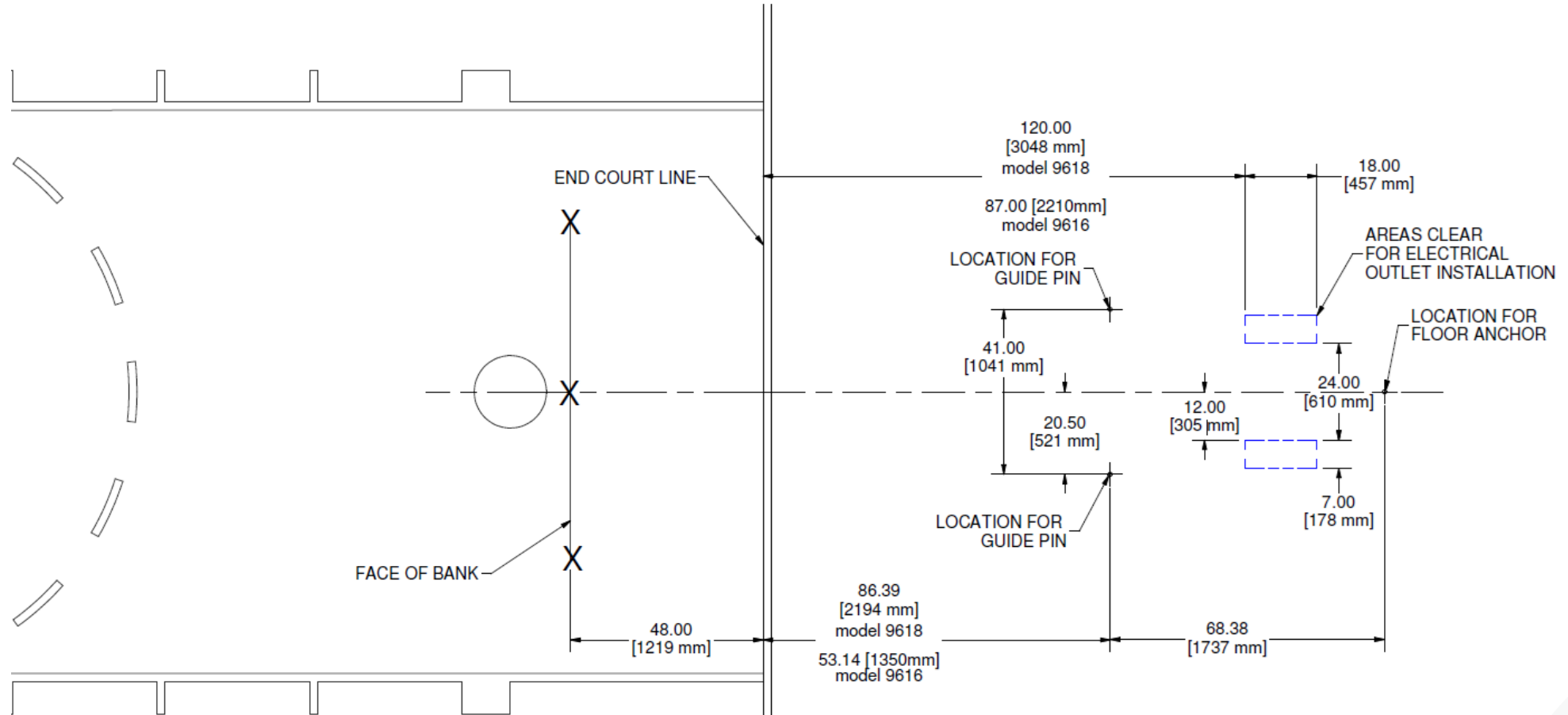
- Determine power needs and verify connection can be made.

Floor Load Considerations

- Assess load requirements for rolling backstops across flooring.
- Reference manufacturer-provided wheel loading guides to ensure they are appropriate for the floor.



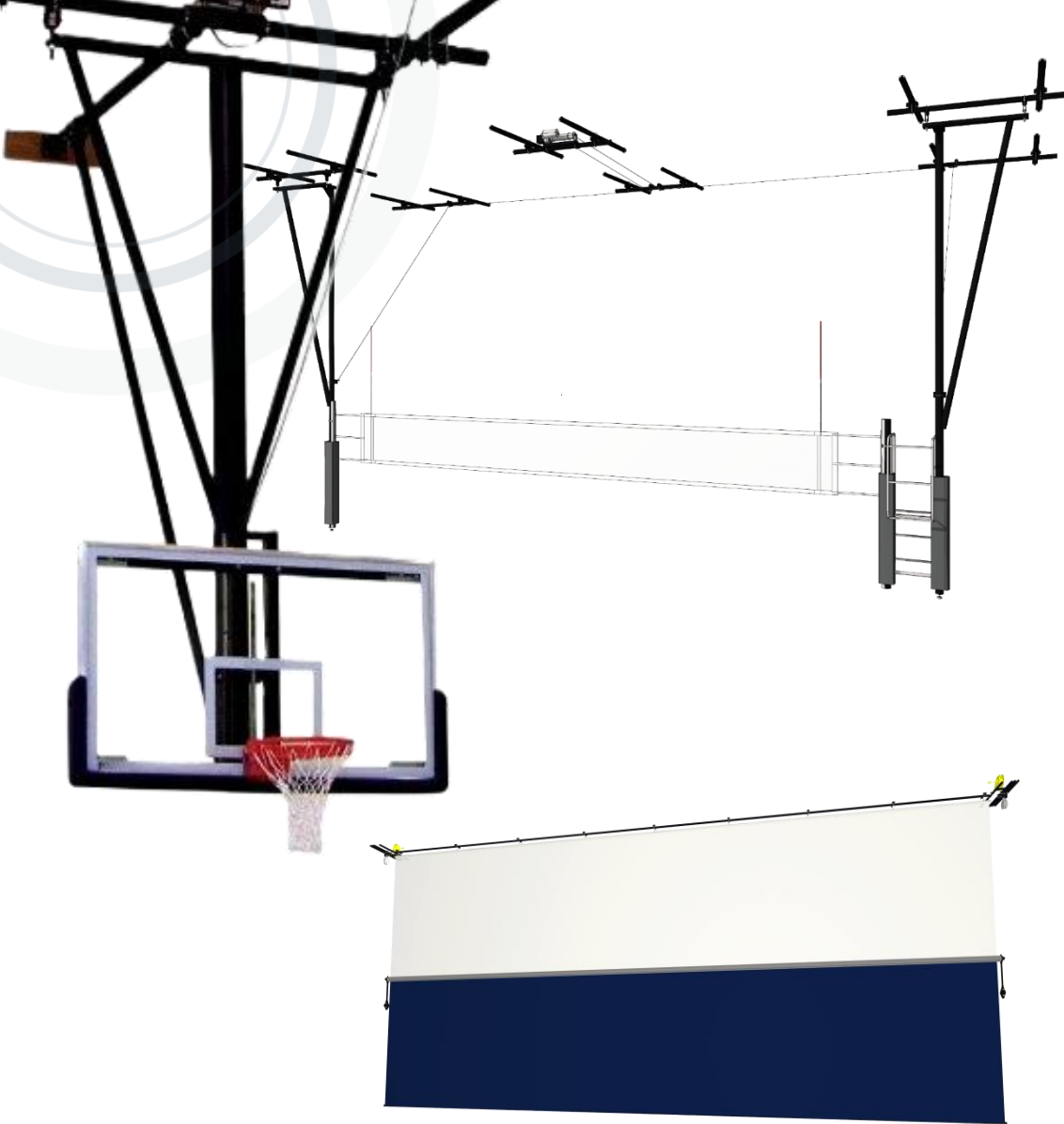
Equipment-Portable Units Footprint



EQUIPMENT

Ceiling-Suspended Sports Equipment

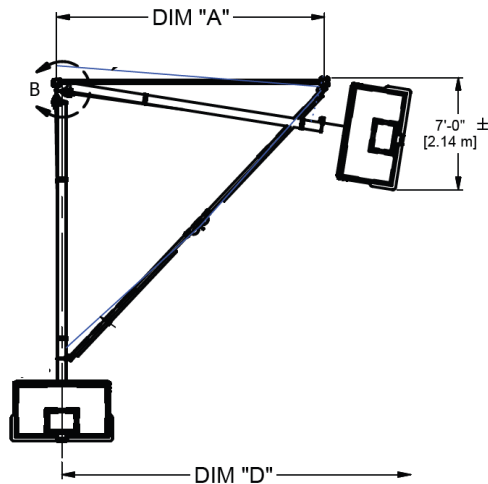
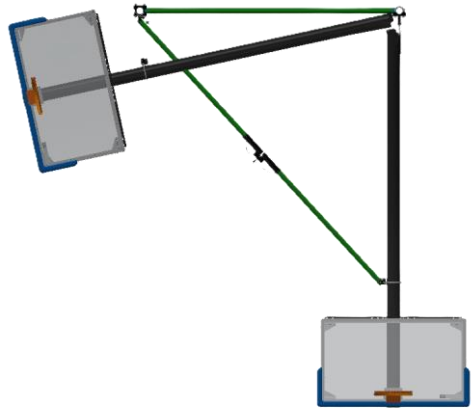
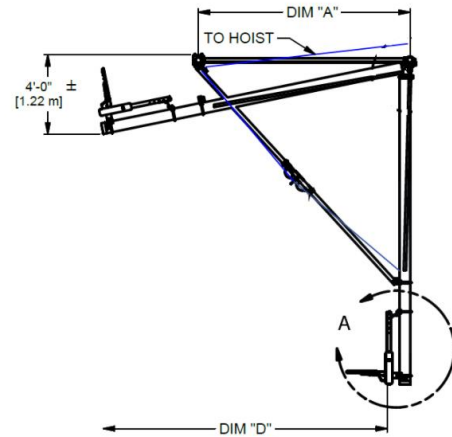
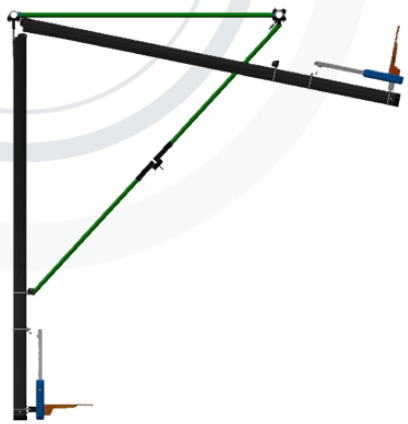
- **Basketball Systems**
 - Ensure compatibility for multi-sport use, especially over volleyball and netball courts.
 - Verify required clearance above the court based on governing body regulations for safe play.
- **Divider Curtains**
 - Address clearance requirements similar to basketball systems.
 - Plan for egress routes in compliance with local building codes.
- **Overhead Volleyball Systems**
 - Accommodate the significant space these systems occupy when folded.
 - Ensure sufficient clearance around courts to avoid interference with play.
- **Sports Cages (Throwing, Batting, Golf)**
 - Consider clearance needs for safe and efficient play.
 - Account for additional space requirements when cages are retracted.



EQUIPMENT

Ceiling-Suspended Sports Equipment

- Different folding styles may result in different in different clearances when folded
- Consider folding away from courts that will be in play when equipment retracted
- The Higher the Ceiling, The larger the folding footprint



EQUIPMENT

In-Ground Equipment

- **Volleyball Systems**

- Ensure court lines comply with governing bodies (NCAA, USAV, NFHS).
- Inground sleeves should be covered.
- Choose cover plates carefully; size may affect other sports on shared courts.
- Consider portable volleyball systems to reduce floor plate impact and simplify installation.

- **Pickleball Systems**

- Verify court lines align with governing body standards.
- Options available for both in-ground and portable systems.
- Each option has strengths and limitations; choose based on facility needs.

