



# FIELD LAYOUT |———| & |———| DIMENSIONS GUIDE

ingredients matter.

®

800-877-1500    Fax 800-877-1511    [www.pioneerathletics.com](http://www.pioneerathletics.com)



## What's our game plan?

We're in business to reduce or eliminate frustrations associated with athletic field painting and maintenance. Our sole focus is on your fields, and producing a full set of highly specialized products that improve your satisfaction.

Customers, new technologies, product innovation and environmental awareness all fuel our commitment to deliver the highest quality products in the industry.

Pioneer is proud to have been recognized as a researcher, developer and producer of industry-leading paint formulas for just about any sport, occasion or special event you can hold on synthetic turf and natural grass fields. We match those products with a commitment to a deep and broad array of field marking equipment, stencils, custom logos, maintenance equipment, athletic accessories and antimicrobial coatings.

In everything we do, the ingredients used to formulate our products will be chosen specifically to accommodate the needs, requirements, and well-being of our customers.

It all boils down to this: It's your job to make your field, facility and team look and operate like a champion, and it's our job to help you get there.

**SportsTurf**  
MANAGERS ASSOCIATION



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**Brightest whites**  
**Longest lasting**  
**Vivid colors**

ingredients matter.

**-- Ultra-Friendly Paints --**

**Environmental Excellence Has a Brighter, Higher Standard.**  
Get outstanding results without environmental compromise.  
On top of the brightness and durability you expect from Pioneer paints, our Ultra-Friendly line adds all-new proprietary formulations that combine to leave users satisfied and the fields they manage greener than ever.

Get the longest-lasting lines, brightest whites and most vivid colors with the world's first VOC-free, EPA-recognized field marking paints.

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**PIONEERATHLETICS.COM**

PIONEER  ATHLETICS  
**ULTRA-FRIENDLY**





**FOOTBALL**



# High School Football

## Hash Marks

Recommended 24" long and 4" wide

## End Lines and Side Lines

Recommended 4" wide

## Yard Markers

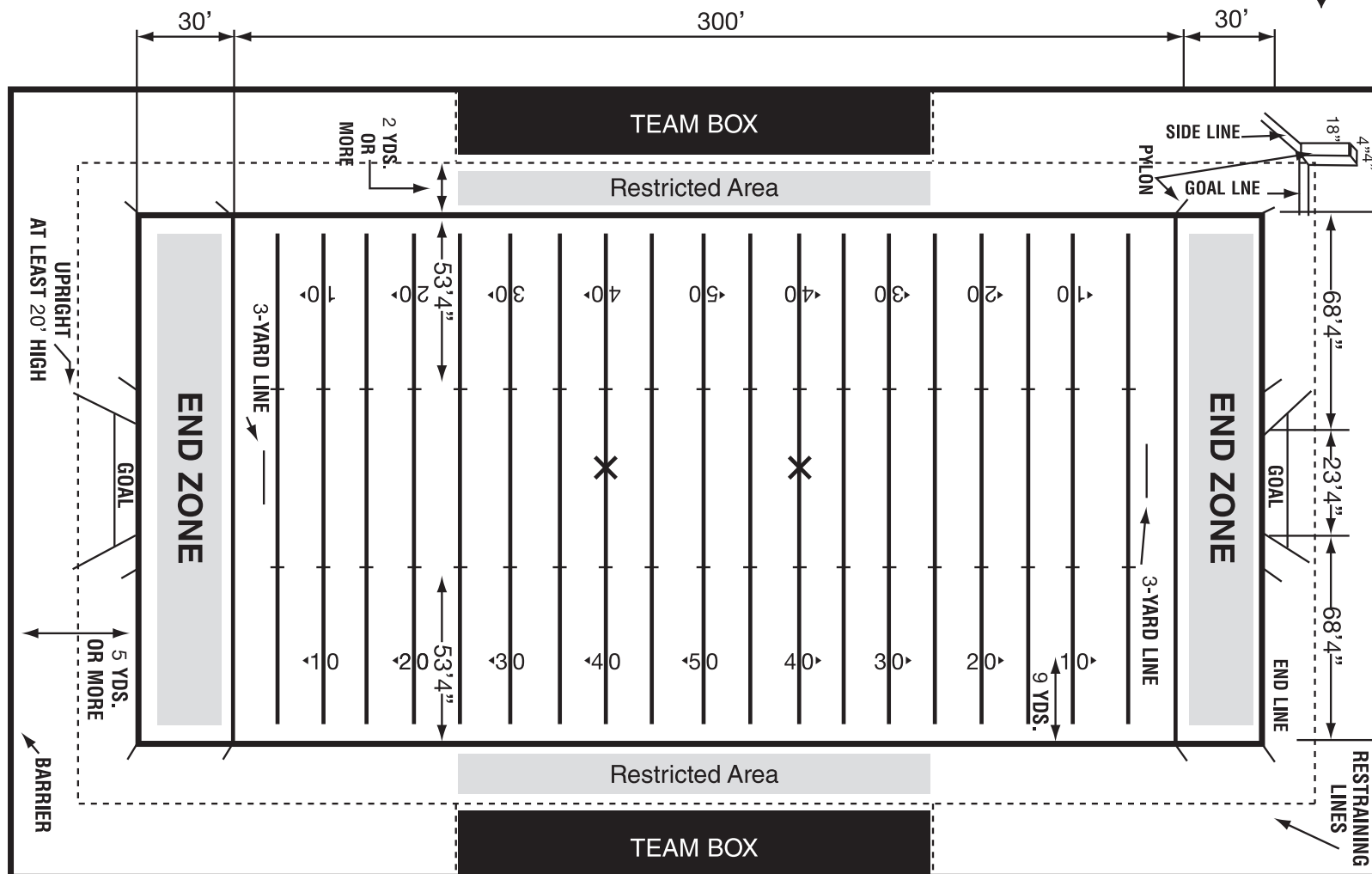
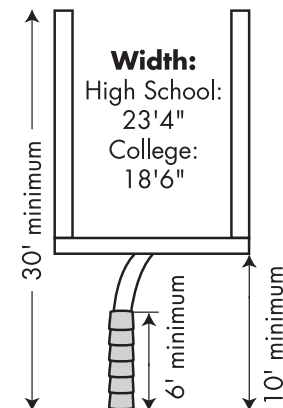
Recommended 24" long and 4" wide

## Yard Line Numbers

Recommended 6' high x 4' wide. Placement should be 27" from sideline to top of yard line number.

\*Note: Line width must be at least 4" and white in color.

\*Note: The sidelines and endlines must be painted outside of the 160' x 360' box. The goal lines must be painted entirely within the end zone.



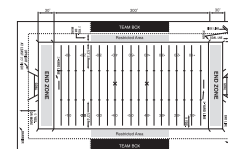


## Hash Marks

Recommended 24" long and 4" wide

## End Lines and Side Lines

Recommended 4" wide



## Yard Markers

Recommended 24" long and 4" wide

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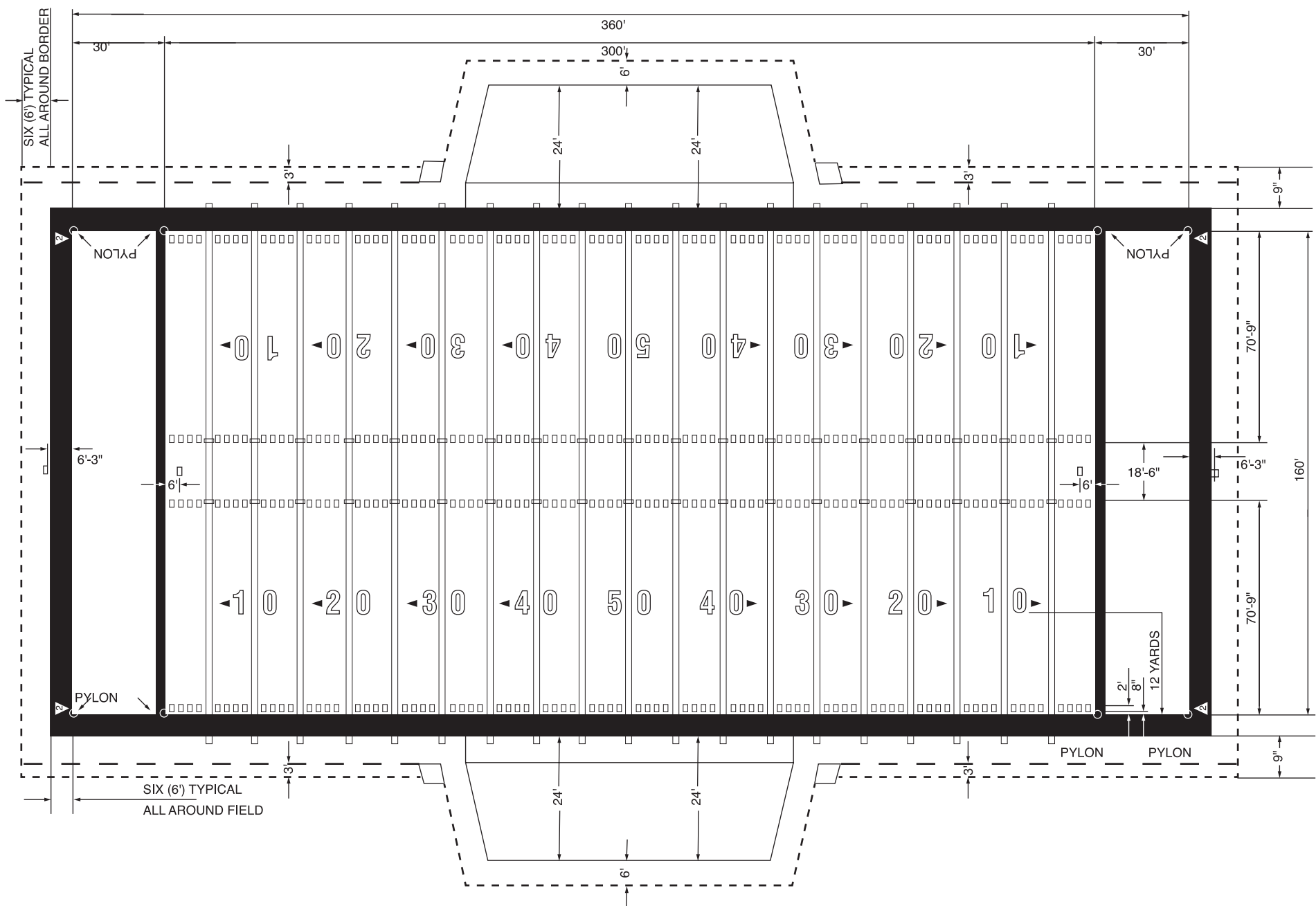
\*Note: Line width must be at least 4" and white in color.

\*Note: The sidelines and endlines must be painted outside of the 160' x 360' box. The goal lines must be painted entirely within the end zone.



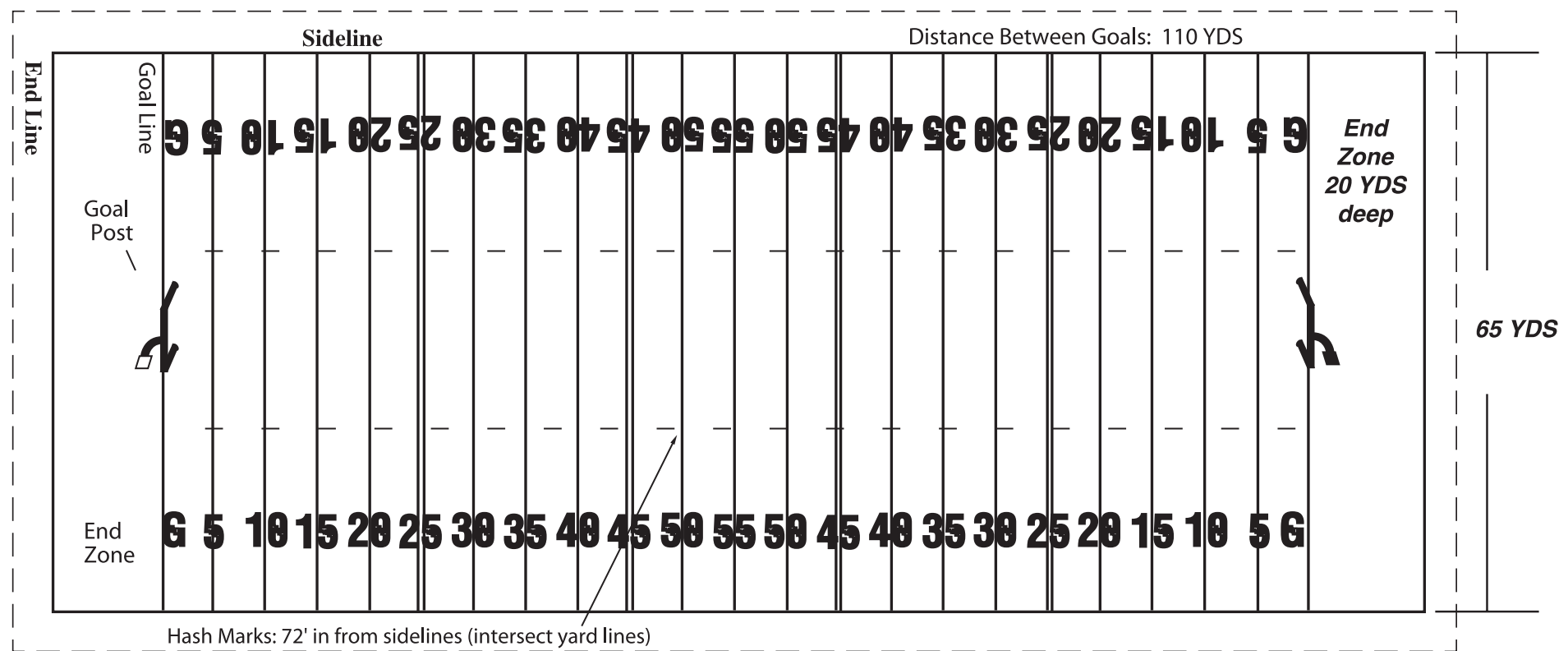


# Professional Football





# Canadian (CFL) Football



## The Canadian Field

The area between the goal lines and sidelines is the field of play. It is divided between the goal lines by parallel lines 5 YDS apart. These are intersected by short lines 24 YDS from the sidelines (hash marks). The boundary lines are outside the field of play.

# 6-8-9 Man Football

## Hash Marks

Recommended 24" long and 4" wide

## End Lines and Side Lines

Recommended 4" wide

## Yard Markers

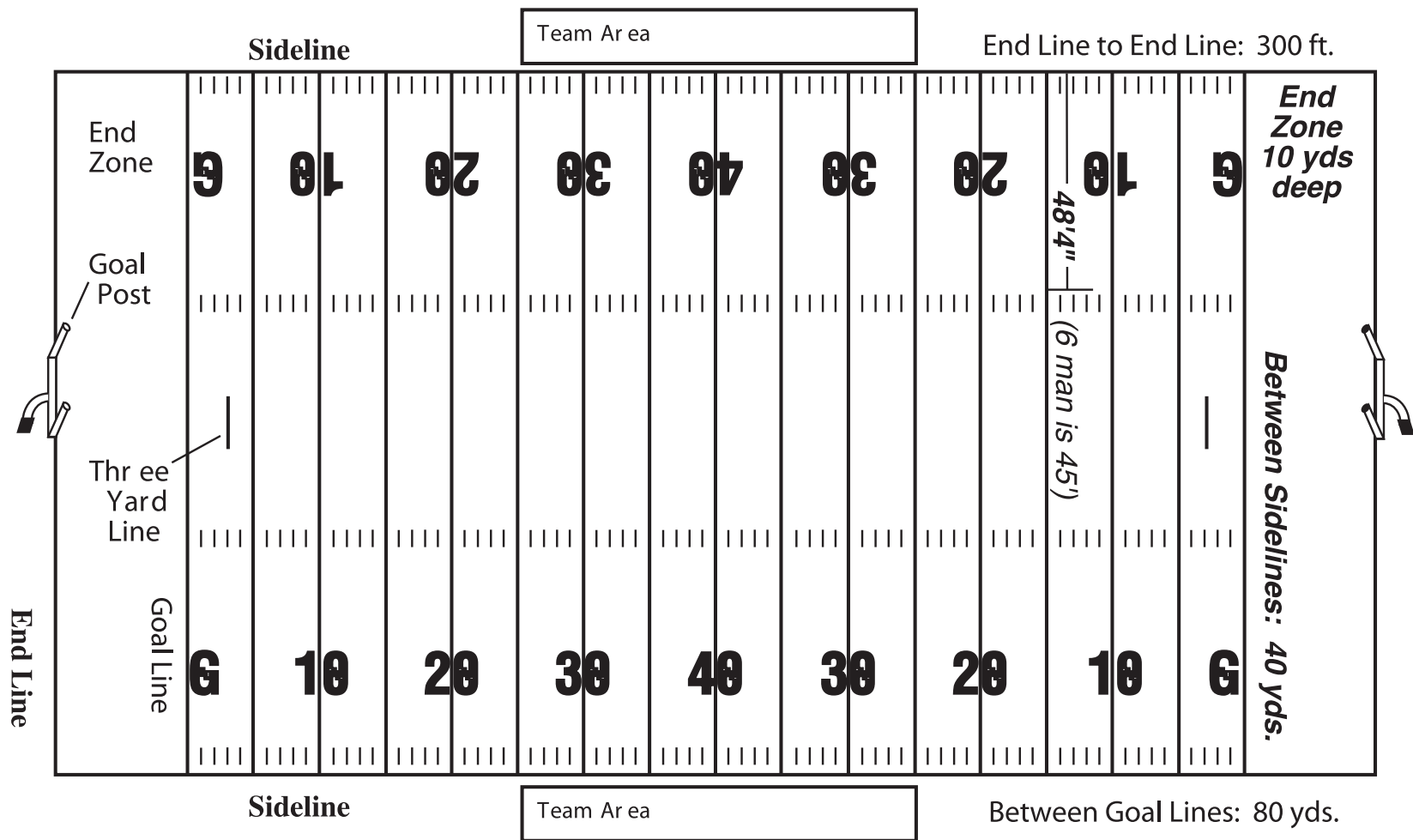
Recommended 24" long and 4" wide

## Yard Line Numbers

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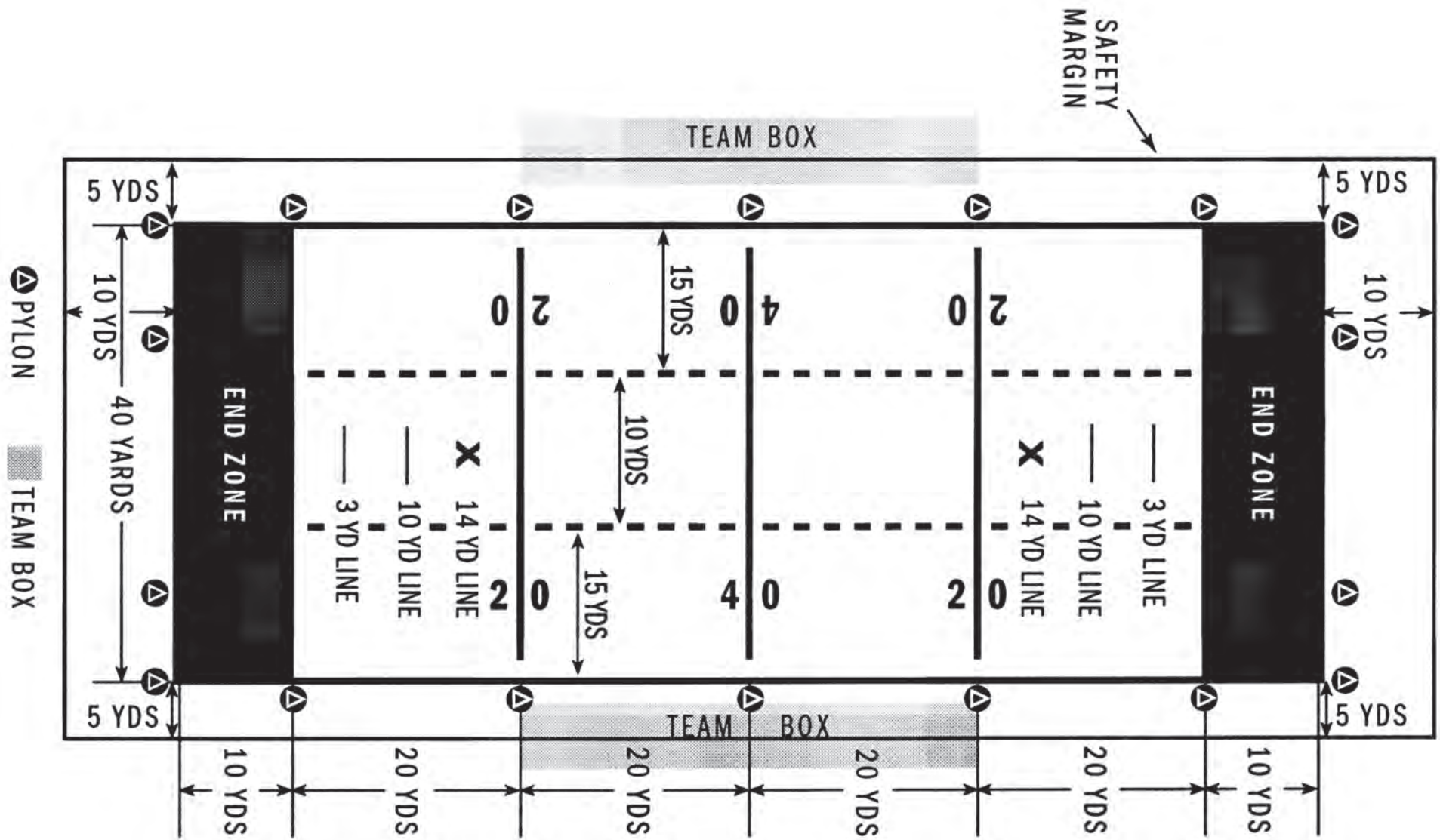
\*Note: The sidelines and endlines must be painted outside of the 160' x 360' box. The goal lines must be painted entirely within the end zone.







# Regulation Flag Football







**Proven performance**  
**Proven removability**  
**Proven quality**

ingredients matter.



**Now  
Available  
in Aerosol!**

#### REMOVABLE SYNTHETIC TURF FIELD MARKING PAINT

Get proven removability, performance and reliability from the only paint recommended by every major synthetic turf maker. Get GameLine® Aerosol.

**800-877-1500**  
**PIONEERATHLETICS.COM**

#### -- GameLine® --

- Highly effective, industry proven removable synthetic turf painting system
- Maximum performance under the spotlight
- Ideal for short-term applications
- Removes easily with no ghosting thanks to Blitz™ - GameLine Remover Solution
- Ideal for infilled turf systems



**BASEBALL**



# Baseball

## Distances for Other Leagues

### Little League

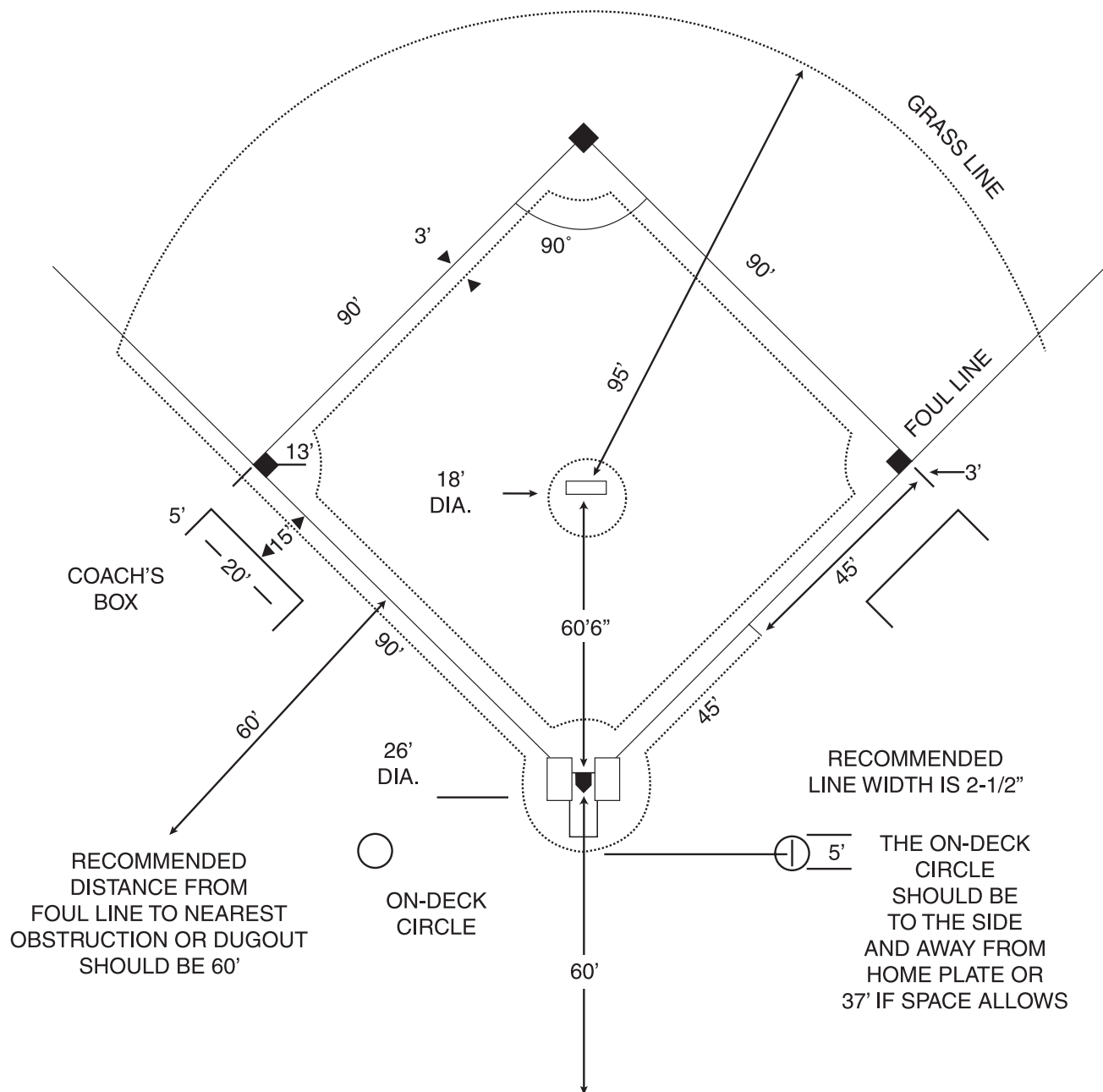
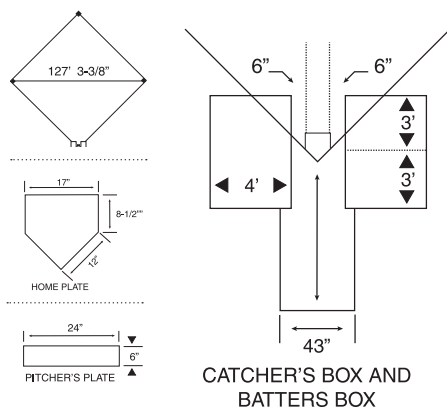
- Base to Base: 60'
- Pitching Rubber to Home Plate: 46'
- Outfield Wall: 180' from Home Plate (optional 200' left to right)

### Pony League

- Base to Base: 80'
- Pitching Rubber to Home Plate: 54'
- Outfield Wall: 250' from Home Plate (optional 300' left to right)

### Babe Ruth League

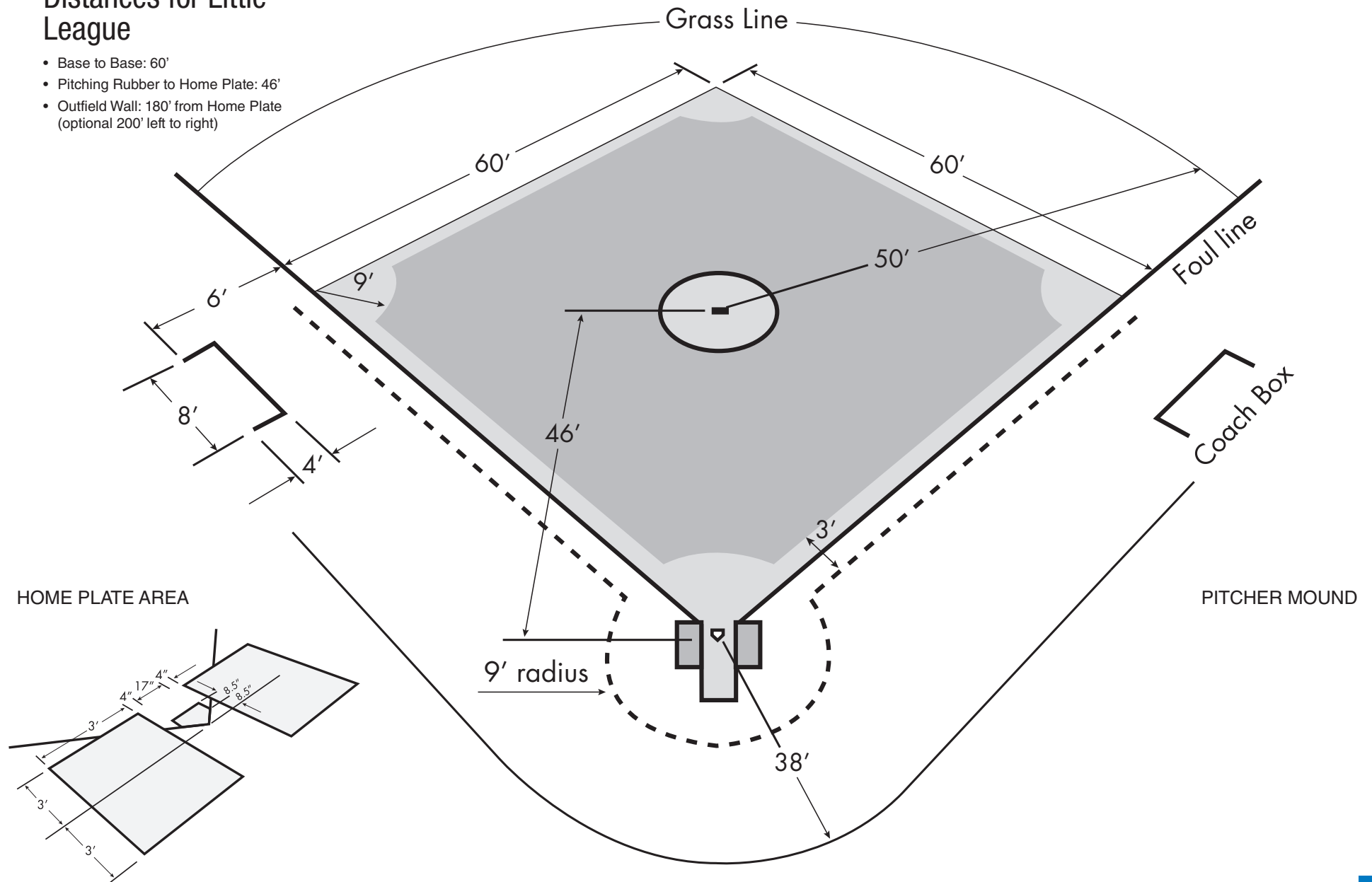
- Cal Ripken (ages 5 - 12):  
Bases: 60'  
Pitching: 46'
- Baseball (ages 13-15):  
Bases: 90'  
Pitching: 60'6"
- Baseball (ages 16-18):  
Bases: 90'  
Pitching: 60'6"



# Little League Baseball

## Distances for Little League

- Base to Base: 60'
- Pitching Rubber to Home Plate: 46'
- Outfield Wall: 180' from Home Plate (optional 200' left to right)





# STARLINER™



EASY-TO-USE.

GREAT LINES.

ENVIRONMENTALLY FRIENDLY.

ingredients matter.

PIONEER ATHLETICS  
**ULTRA-FRIENDLY**



**800-877-1500**  
**PIONEERATHLETICS.COM**

#### -- StarLiner™ --

- Easy-to-use field liner with long-lasting, rechargeable battery
- "Plug & Stripe" technology - simply plug the custom, self-sealing container into StarLiner and stripe with ease
- Convenience of an aerosol striper with the premium look of Pioneer's Ultra-Friendly paints



**SOFTBALL**



# Softball

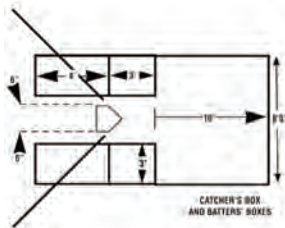
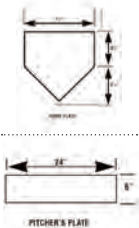
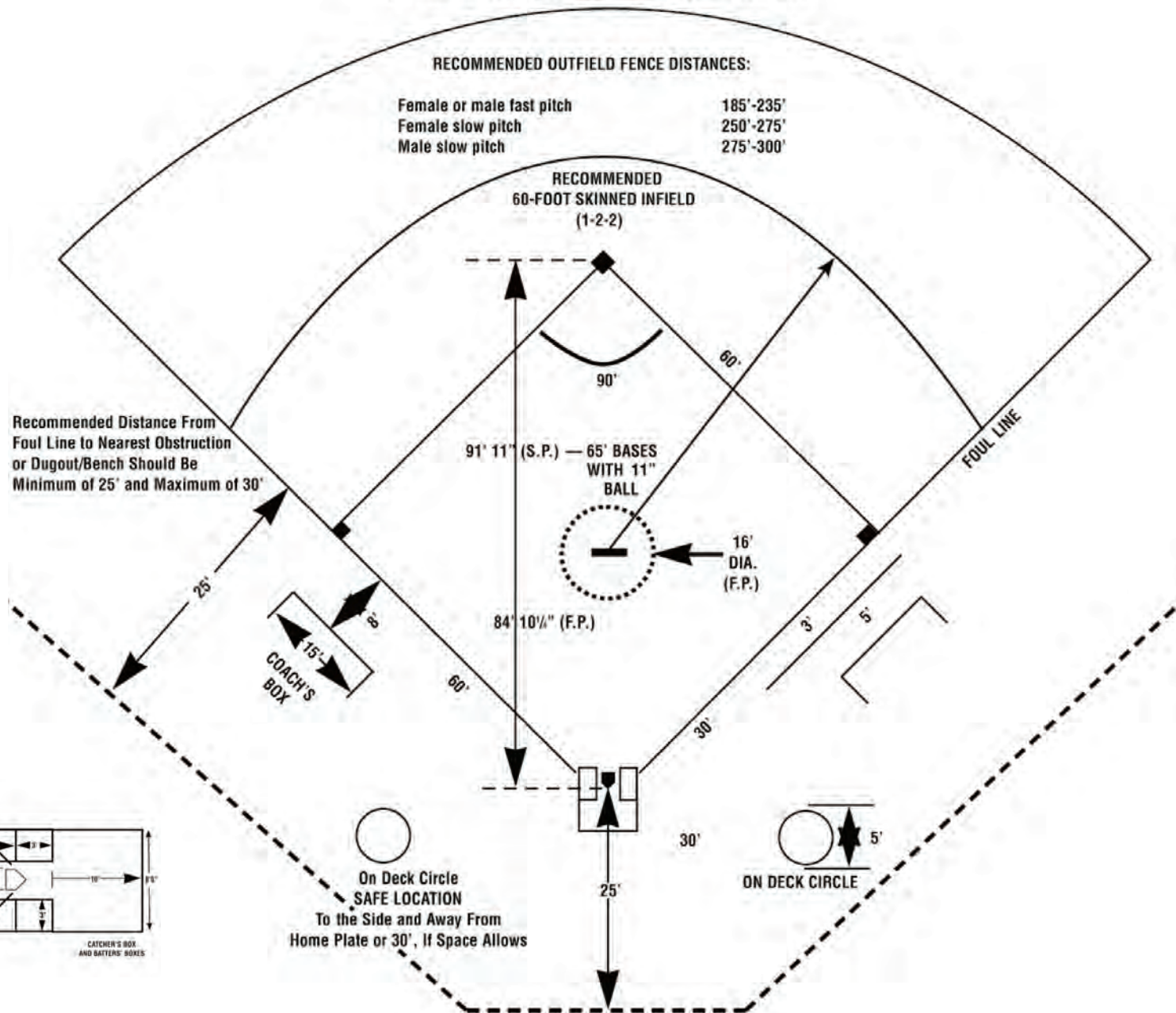
OUTFIELD FENCE — ARC OF EQUAL DISTANCE — ALL FIELDS

RECOMMENDED OUTFIELD FENCE DISTANCES:

Female or male fast pitch	185'-235'
Female slow pitch	250'-275'
Male slow pitch	275'-300'

RECOMMENDED  
60-FOOT SKINNED INFIELD  
(1-2-2)

Recommended Distance From  
Foul Line to Nearest Obstruction  
or Dugout/Bench Should Be  
Minimum of 25' and Maximum of 30'







# MAX™

Intense colors. Premium durability. Unforgettable results.

## -- MAX™ Aerosol --

Exclusive MAX formula comes with proven MAX performance.

- MAX is the solution for those who want the brilliance of MAX liquid bulk paint with the convenience of an aerosol
- MAX uses premium pigments and a rich formula for more prime hiding
- No harm to grass or its growth

The brilliance of MAX liquid bulk paint with the convenience of an aerosol.

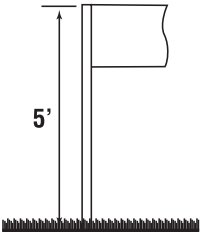
**800-877-1500**  
**PIONEERATHLETICS.COM**





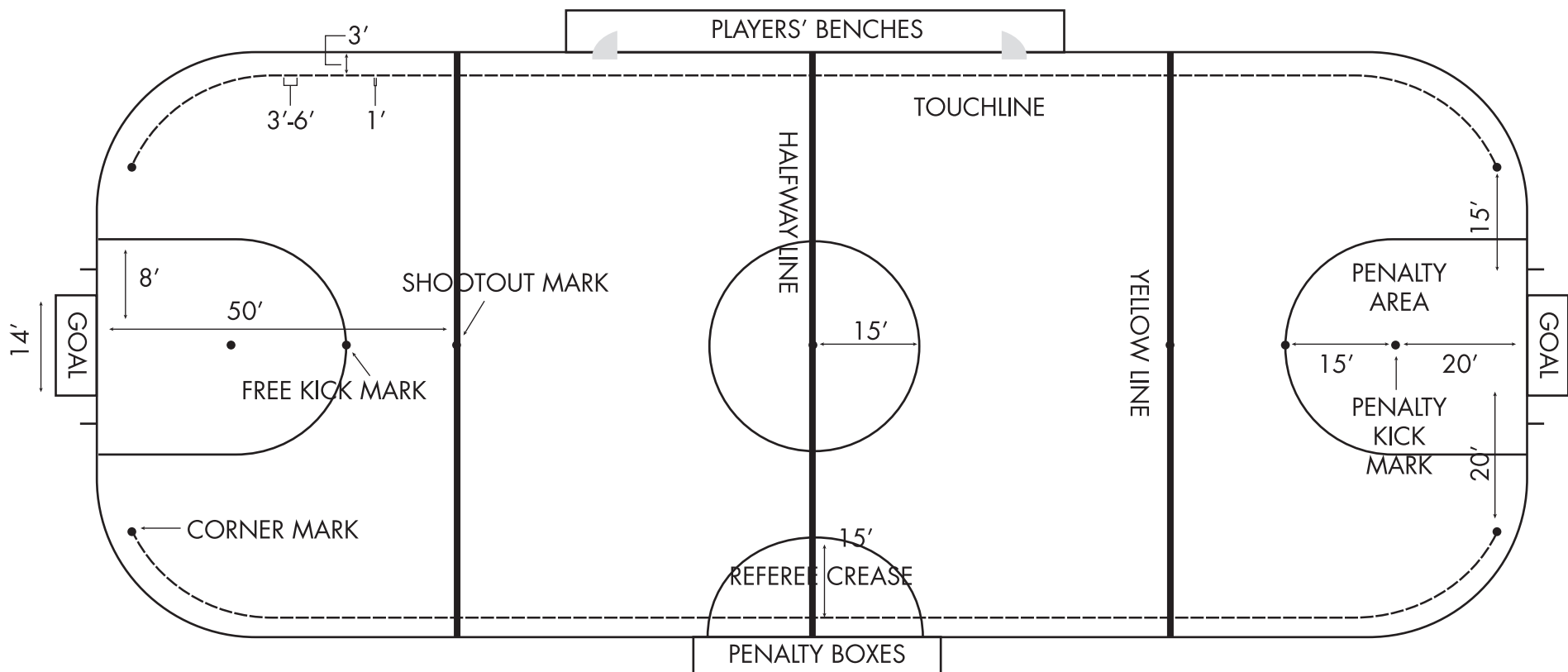
**SOCCER**

\*Note: Team area must be 10 ft. from the touchline.





# Indoor Soccer



# ELIMINATE THE NEED TO REMEASURE YOUR FIELD

## PLeeFix™ Ground Markers

Highly Visible | Mower Resistant | Athlete Friendly



Available in white, red, orange,  
yellow, blue and green.

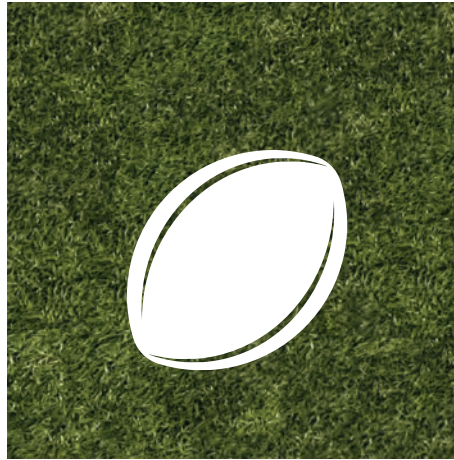


### -- PLeeFix™ --

- UV-resistant synthetic turf tufts
- Recycled polypropylene spiral cone base
- Use to mark sprinkler heads and other potential field hazards
- Eliminates the need to re-measure natural grass fields prior to painting
- Can be used on sports fields for football, soccer, lacrosse, field hockey, rugby, baseball/softball, track and field, and golf

The PLeeFix™ ground marking tool is easy-to-install, time-saving, highly visible, mower resistant, and well anchored.

**800-877-1500**  
**PIONEERATHLETICS.COM**



**RUGBY**



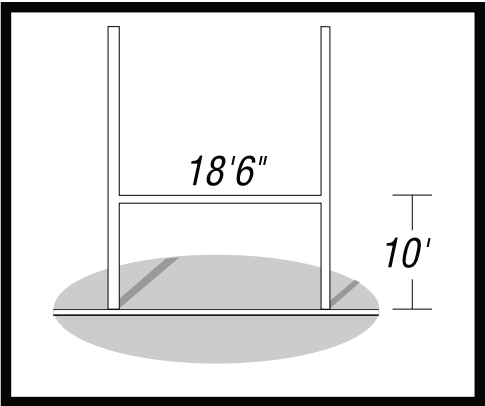
# Rugby

## Union Rugby

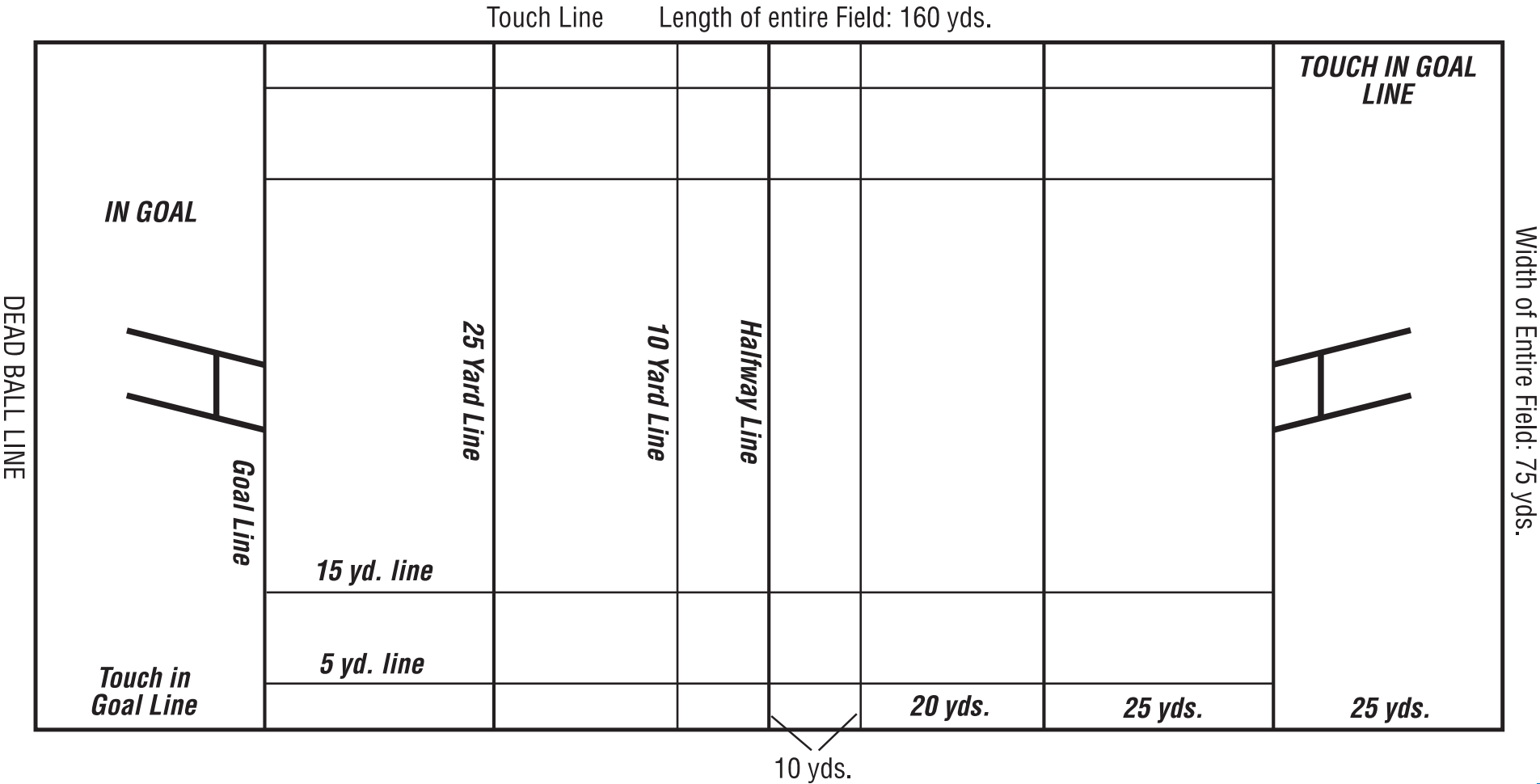
The version of Rugby played by high schools, colleges, and other non-professional organizations (shown here)

## League Rugby

The professional version of the game (not shown)



RUGBY GOAL DETAIL



# **BRITE STRIPER®** **3000<sup>SP</sup>** **SELF-PROPELLED**



**Performance.  
Affordability.  
Versatility.**

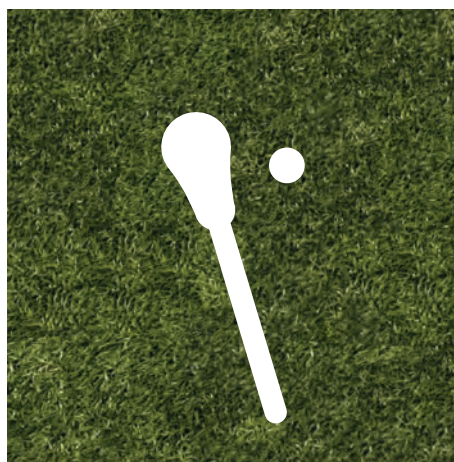


The newest advances in industry  
proven airless striping technology.

**800-877-1500**  
**PIONEERATHLETICS.COM**

**-- Brite Striper® 3000SP --**

- Steady, adjustable air pressure from 0-3000 PSI
- Breakthrough belt-and-chain drive system and adjustable speed to deliver great, straight lines
- Optional 15-gallon paint hopper
- Phenomenal reach thanks to a 50' hose for logos and wide-area spraying.



**LACROSSE**



# Boy's Lacrosse

\*Note: If, because of a logo or any other reason, the home team's field is without a clearly marked center line, possession of the ball goes to the visiting team to begin the contest.

Men's Lacrosse: pictured to the right with the following change at center field:

\*Note: A 4" square line should be placed in the middle of the center line in a contrasting color.

## Goal Circle

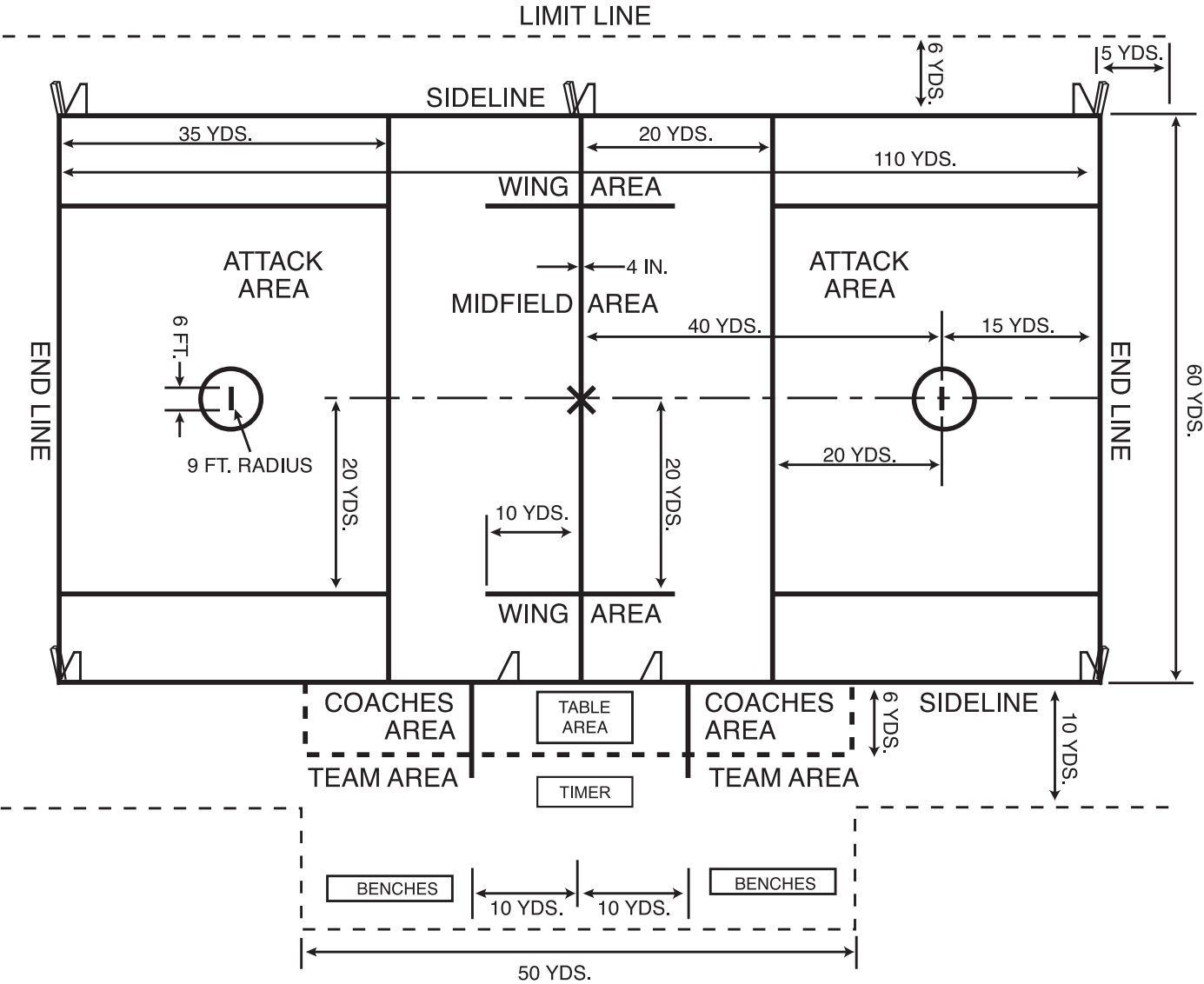
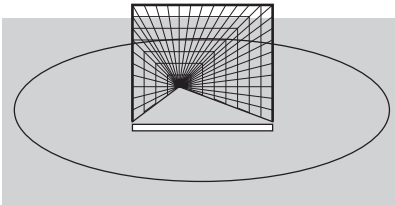
- 18' Diameter

## Goal

- 6' Wide X 6' high X 7' deep

## Goal Line

- 6' mark (center) of circle



# Men's Lacrosse

\*Note: If, because of a logo or any other reason, the home team's field is without a clearly marked center line, possession of the ball goes to the visiting team to begin the contest.

Men's Lacrosse: pictured to the right with the following change at center field:

\*Note: A 4" square line should be placed in the middle of the center line in a contrasting color.

## Goal Circle

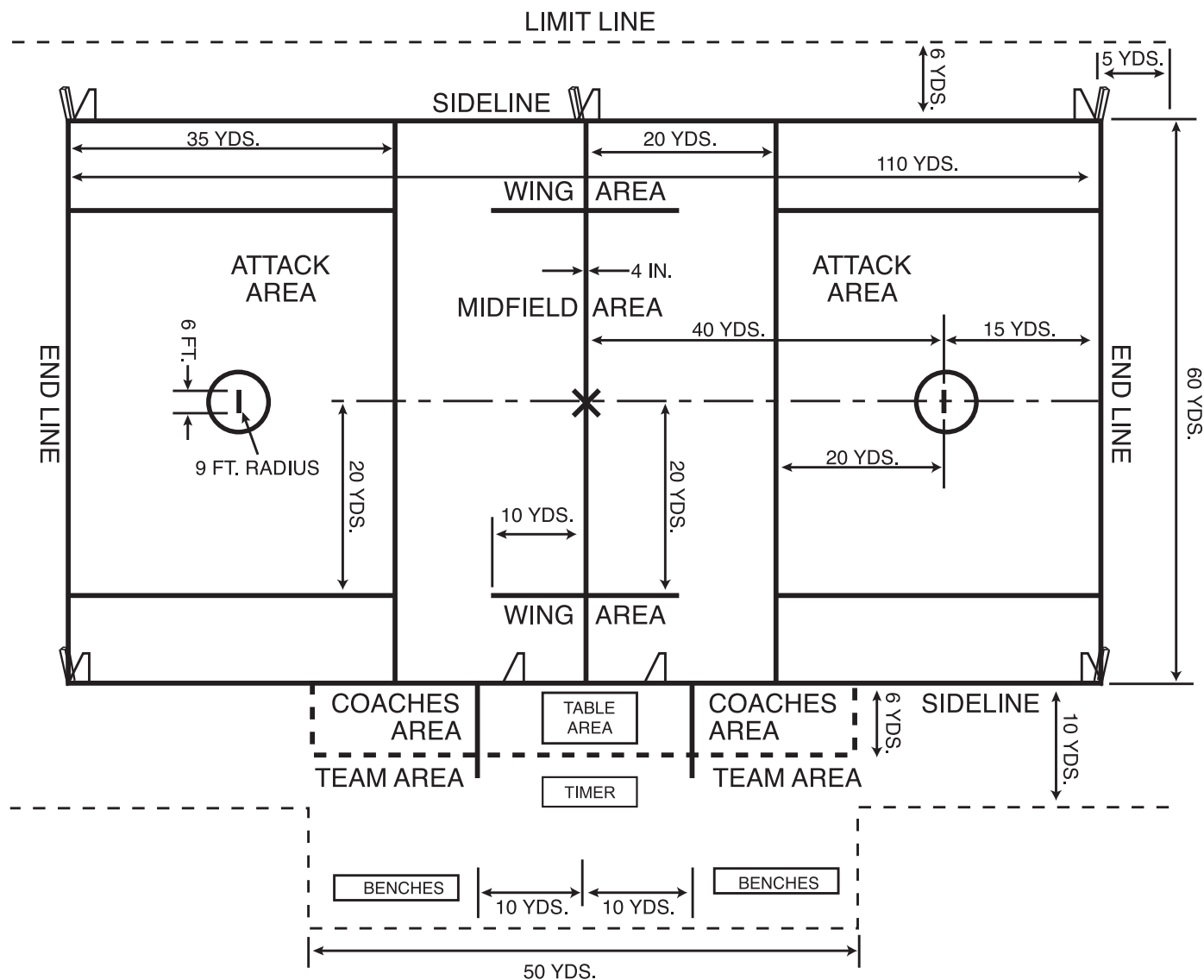
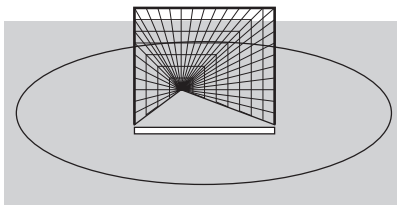
- 18' Diameter

## Goal

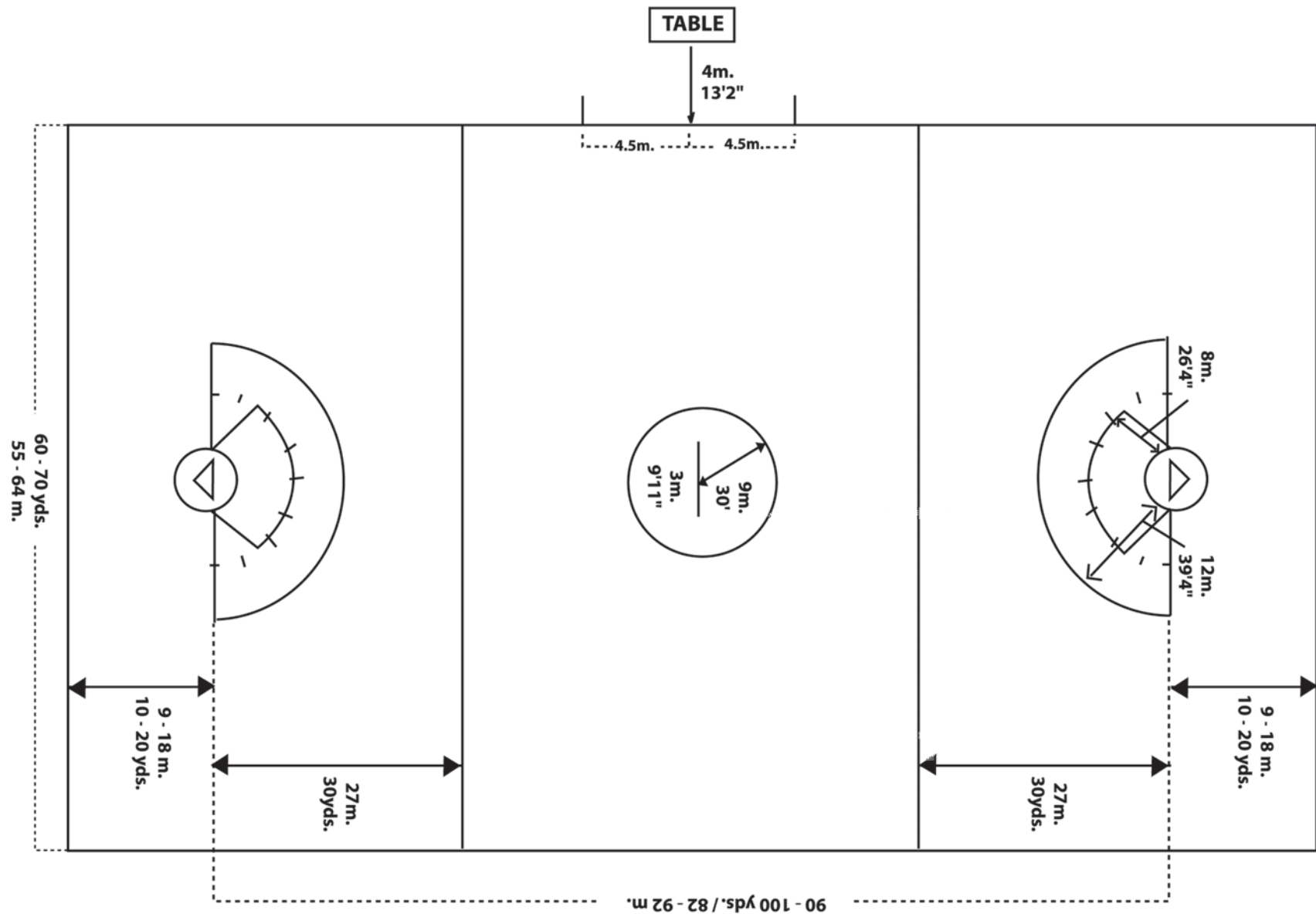
- 6' Wide X 6' high X 7' deep

## Goal Line

- 6' mark (center) of circle



# Women's Lacrosse







## Sweat X™ Laundry Detergent

- Sweat X Sport received the #1 overall ranking removing and eliminating 99% of all harmful bacteria that causes MRSA, STAPH and acne
- Sweat X Sport received the #1 overall ranking in stain removal for clay, blood, grass, mud in addition to successfully exfoliating paint particles from athletic wear
- Outperforms every leading laundry detergent per independent testing
- Nearly neutral pH level makes Sweat X safe to use on all athletic wear causing no wear and tear (decals) or discoloration
- The use of fabric softener is NOT needed due to a neutral pH level
- 100% biodegradable, 100% non-toxic with no impact on skin, inhalation or ingestion
- Sweat X's super concentrated formula requires less detergent per wash load than our competitors



## Sweat X™ Stain Remover Spray

- Originally designed with and for the Cleveland Indians to remove the toughest stains around: mud, blood, grass, clay, dirt, pine tar and field paint
- Formulated with nano-technology to thoroughly lift and remove stains without damaging fabrics
- 100% biodegradable concentrate formula
- 100% nontoxic - ingestion, skin, inhalation toxicological studies; no fading or damaging of fabric or decals



## Sweat X™ Odor Eliminator Spray

- Formulated to completely neutralize and lift odors from pads, shoes, helmets, gloves, gym bags, shin guards and more!
- Does not just mask the smell like other products; actually provides long lasting odor elimination
- 100% biodegradable concentrate formula
- 100% nontoxic - no adverse impact on skin, inhalation, ingestion or the equipment itself. Safe to spray directly in gloves, helmets, skates, and cleats

### -- Sweat X Facts --

- Specially designed to lift and remove difficult stains such as grass, clay, mud, blood, and sweat
- Removes 98.5% of harmful bacteria that causes acne, STAPH and MRSA
- Eliminates embarrassing sweat stench
- Outperforms every leading laundry detergent brand, per independent testing
- 100% biodegradable
- 100% non-toxic, with no adverse dermal impacts
- Safe for use in any kind of washing machine



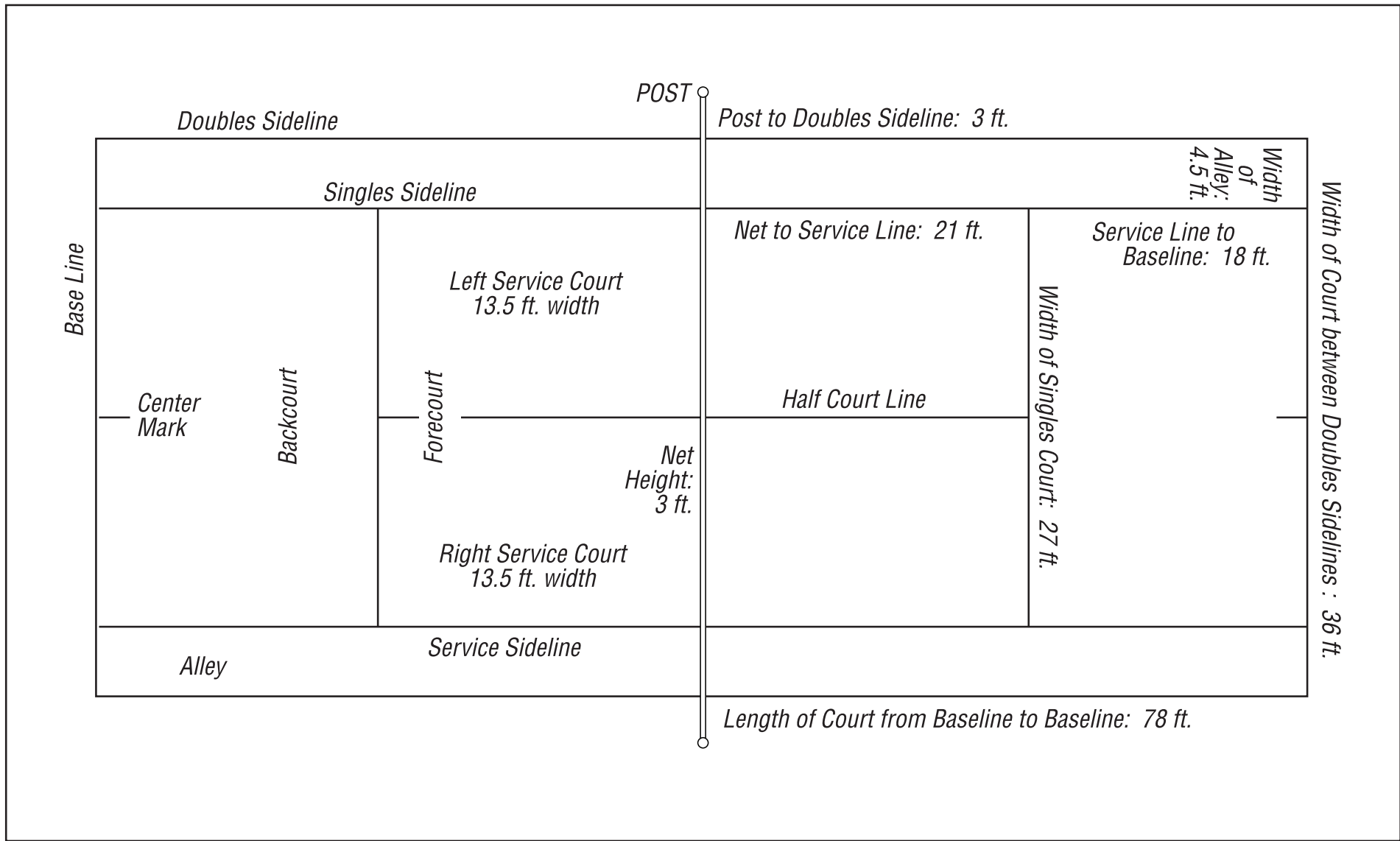
High-performance laundry cleaning products.

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PIONEERATHLETICS.COM



**TENNIS**

# Tennis







**BASKETBALL**

# High School Basketball

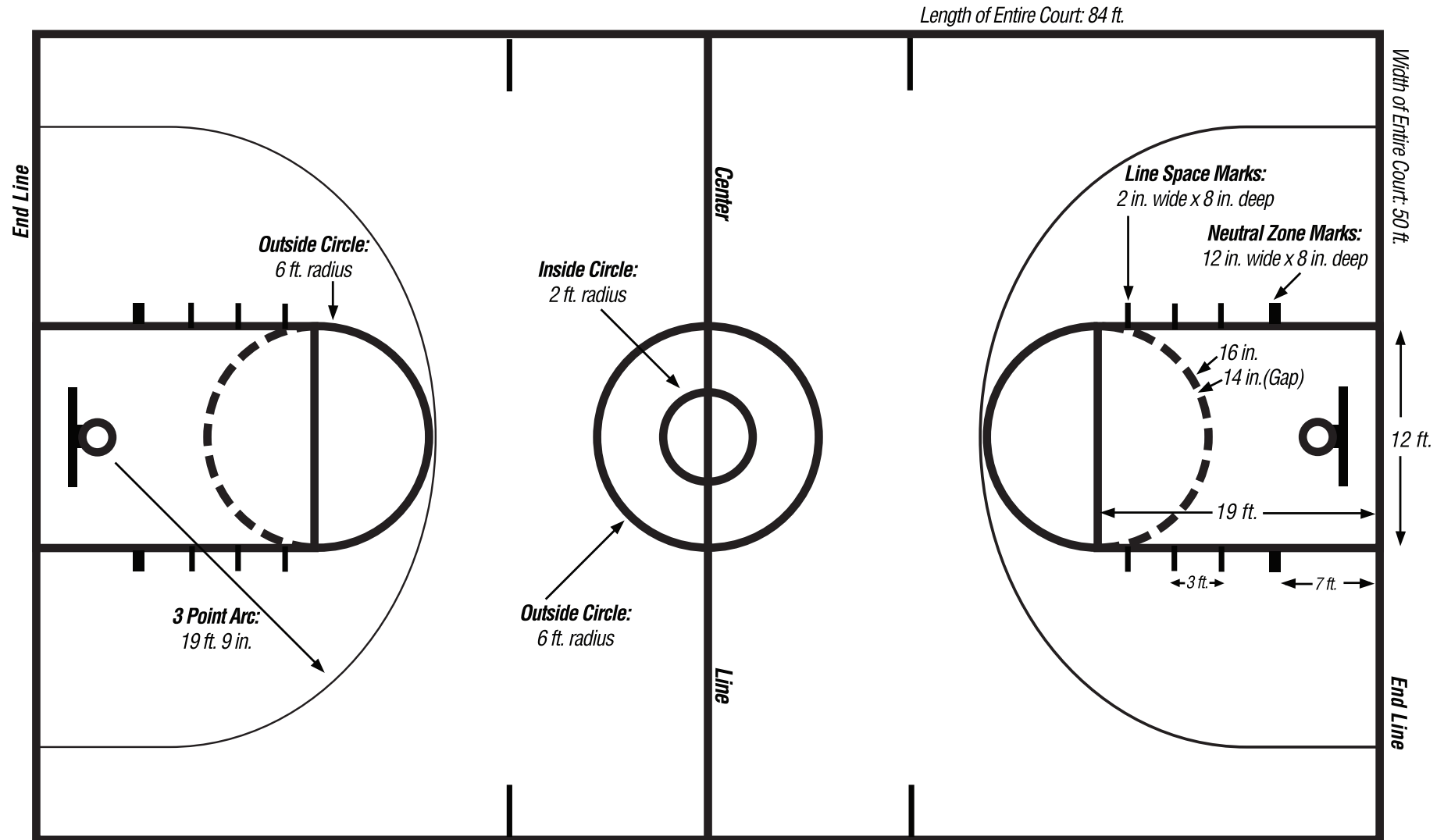
## Additional Details:

Court Size: 50' x 84'

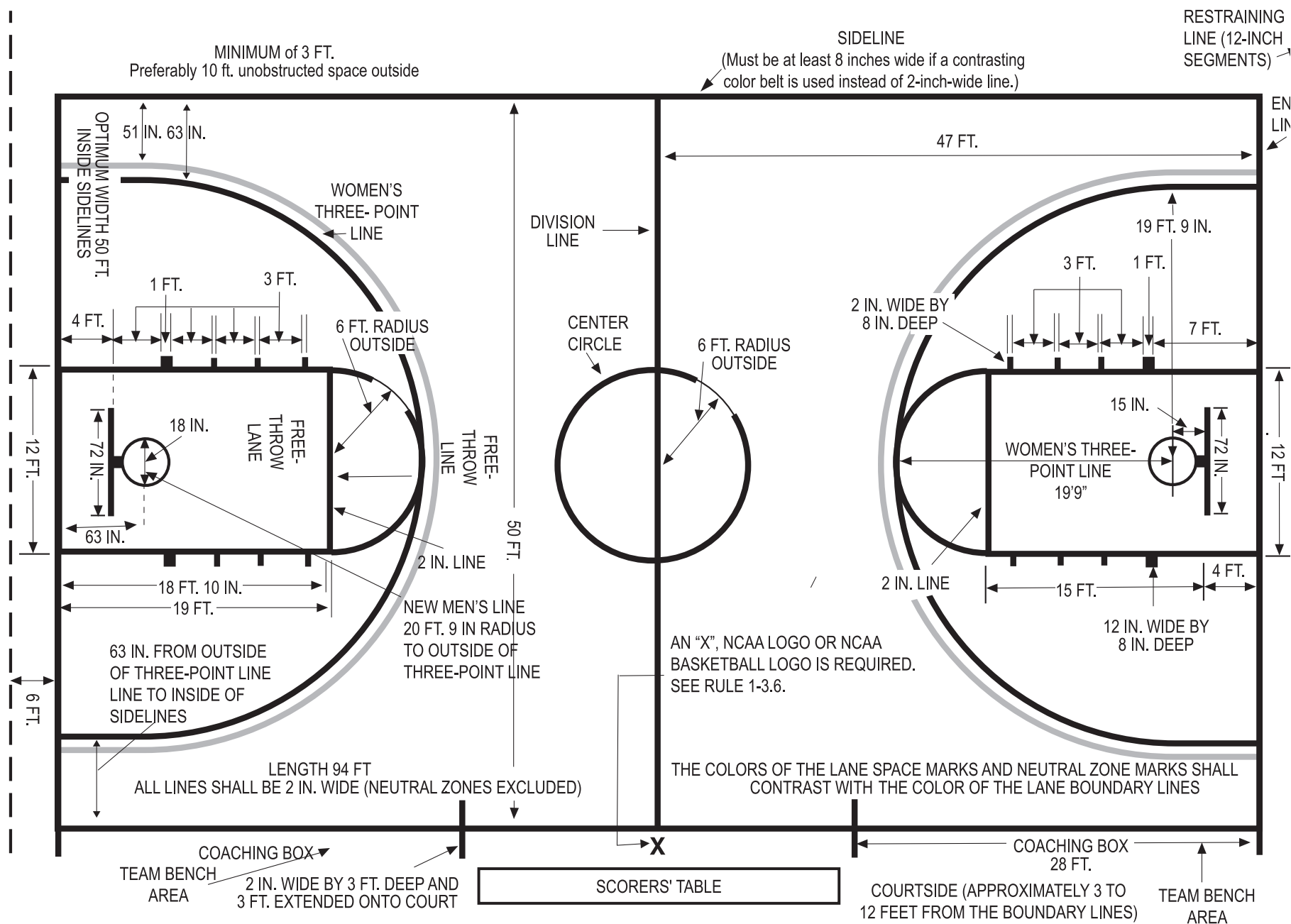
Free Throw Line: 15' from backboard

Free Throw Lane: 12' wide

3-Point Arc: 19'9"



# College Basketball





If your old bleachers look like this...



We can make them look like this...



## Bleachers and Benches

Whether it's a high school field or the biggest venue in pro sports, insist on the best seat in the house.

Pioneer offers a full line of bleachers, benches and other replacement seating.

800-877-1500  
PIONEERATHLETICS.COM

### -- Bleachers and Benches --

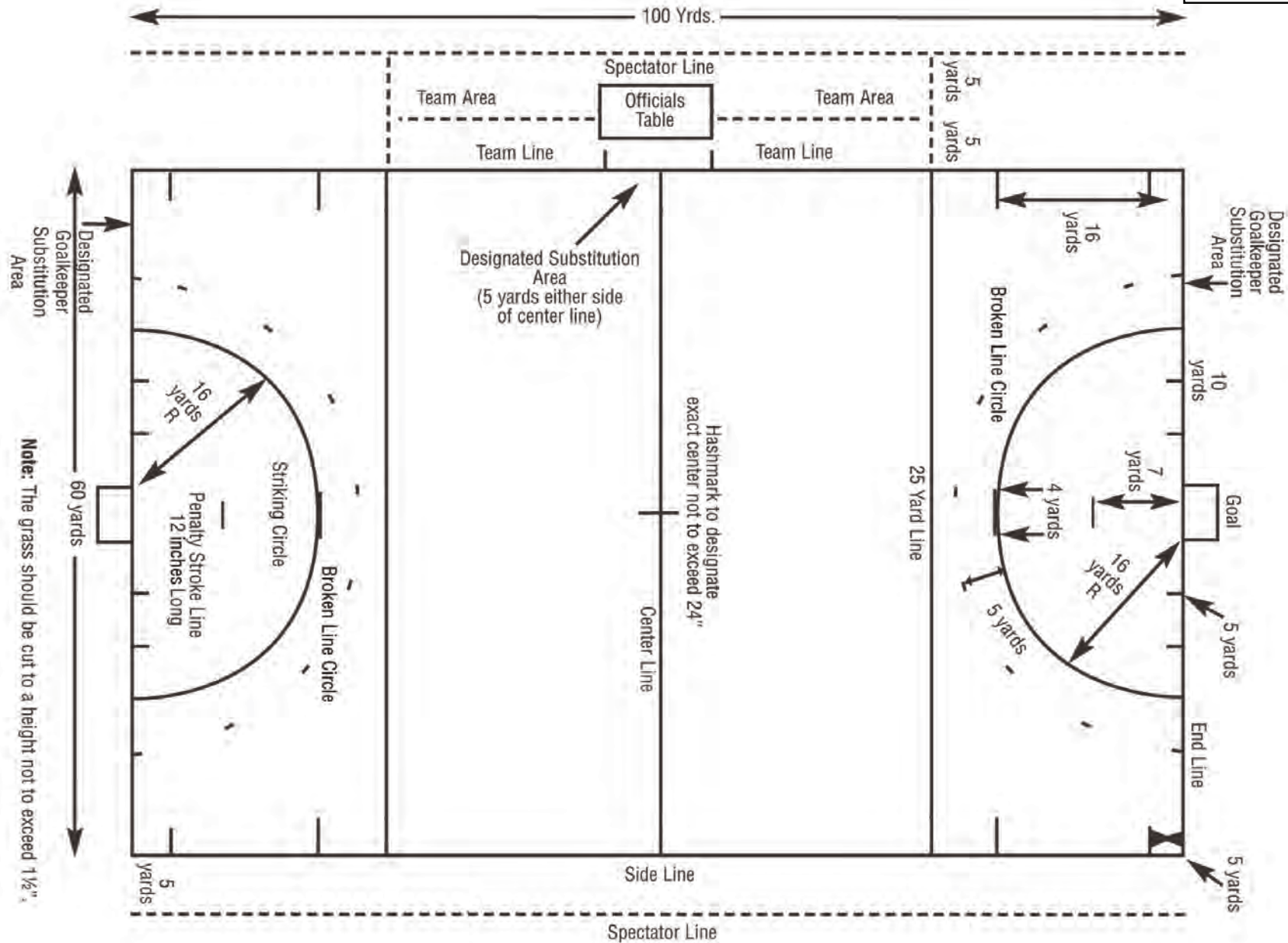
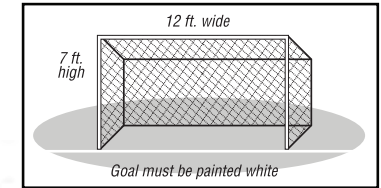
Many old or unsafe bleachers can be retrofitted using the existing framework by adding aluminum planking to replace deteriorated wood planks and to close up unsafe gaps.

We offer expert assistance in planning your renovation, and have a variety of aluminum plank profiles that can provide solid adaptation to most existing structures.



## FIELD HOCKEY

# Field Hockey





## Pioneer Aerosol Stripers

## Premium Aerosol Striper

## Premium 2-Can Aerosol Striper



### -- Aerosol Field Markers --

Pioneer offers a variety of Pioneer Aerosol Field Markers designed specifically for marking athletic fields. Choose from our Aerosol Stripers, which work with both 20 and 24 oz. cans, our Premium Striper with pneumatic wheels for smooth operation, or our 2-Can Striper for covering both sides of the grass blades in 1 pass.

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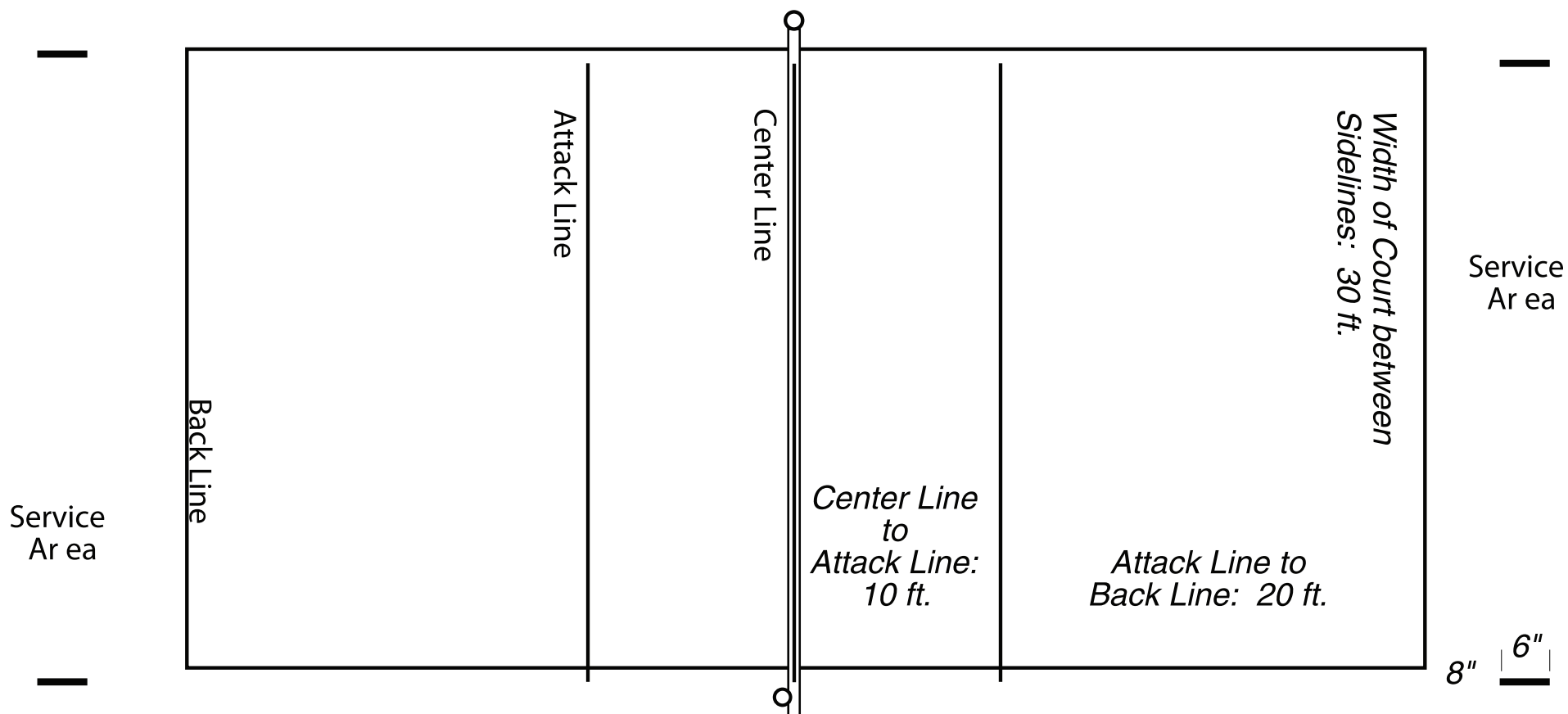
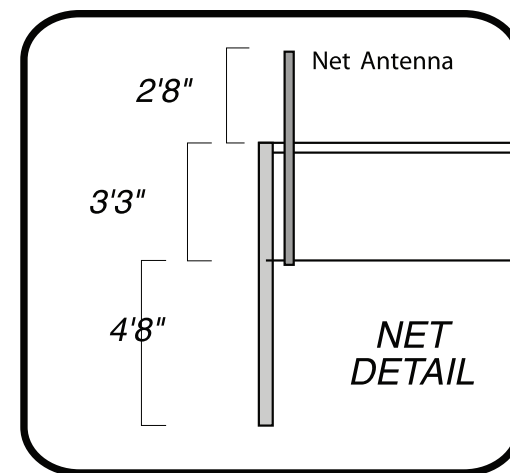


**VOLLEYBALL**

# Indoor Volleyball

## Additional Details:

If possible, there should be a minimum clearance of 6' (preferably 10') completely around the court, and 23' above. The height of the net varies greatly, dependent upon the level of play and men's or women's competition. Consult league officials for legal dimensions.

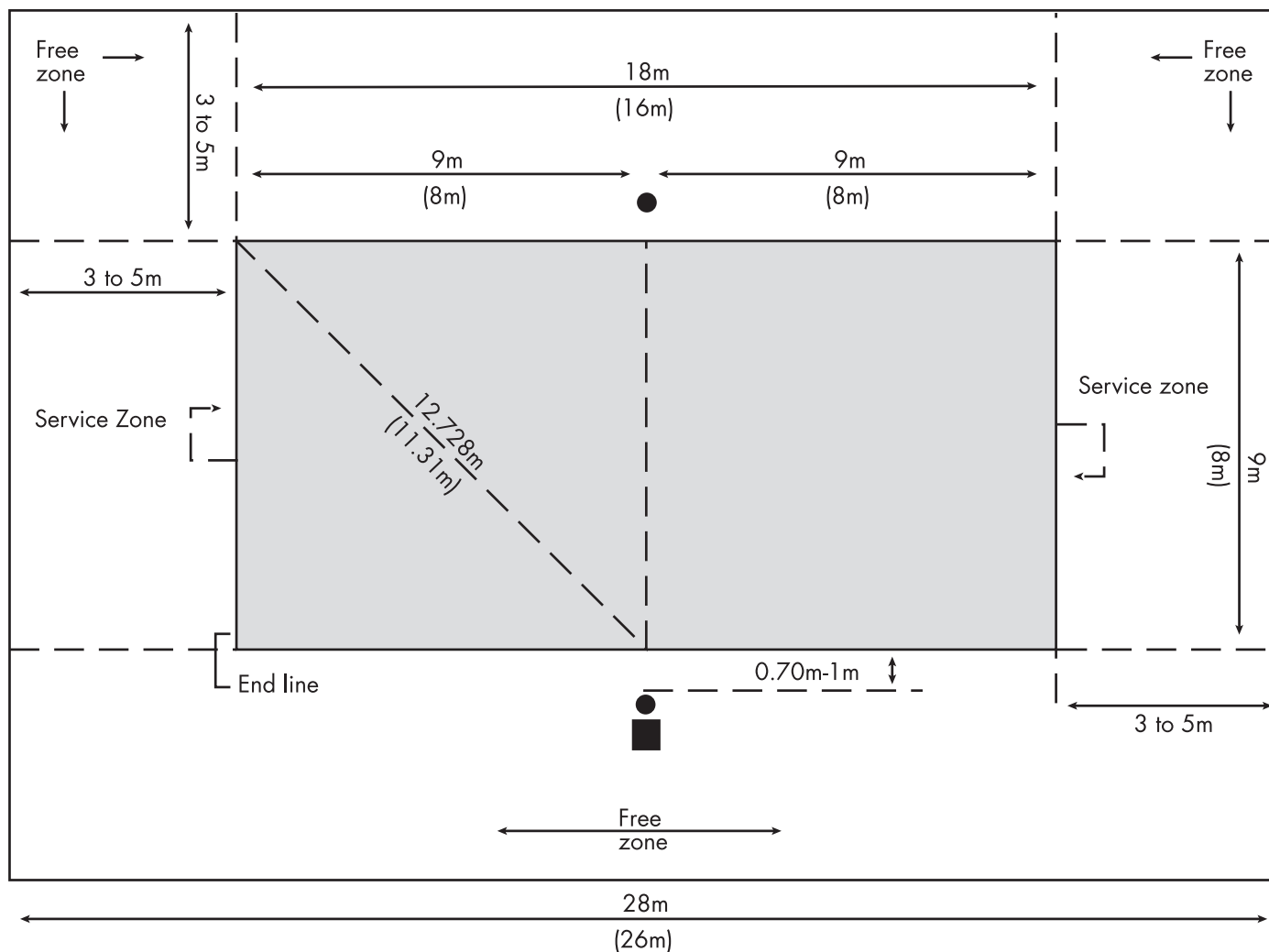


# Beach Volleyball

## Additional Details:

Dimensions of the outdoor doubles court shall be 8 x 16 meters.

USA Volleyball and NFHS rules require standards to be 3 feet (1 meter) outside the court. In the interest of safety for age-group and scholastic competition, the height of the net shall be that specified for male competition. This height requirement shall not be modified; USA Volleyball recommends the free-zone distance between side-by-side courts be a minimum of 13' (4 meters). NCAA rules require a minimum ceiling height of 25 feet for all newly constructed facilities. NFHS rules allow court dimensions to measure 30 feet by 60 feet.







## Pioneer Custom Stencils

It's not just a stencil, it's your team's identity.

### -- Custom Stencils --

Choose Pioneer, and get athletic stencils as rugged as an all-conference defensive line, with the toughness of 60 mil. polyethylene plastic, 20 mil. Poly-Tuff and a variety of other materials to suit your needs and budget. The latest stencil technology is at your disposal, so adding your logo or mascot is easier and more affordable than ever before.

Support our soldiers or promote breast cancer awareness with Pioneer's Ribbon Stencil.

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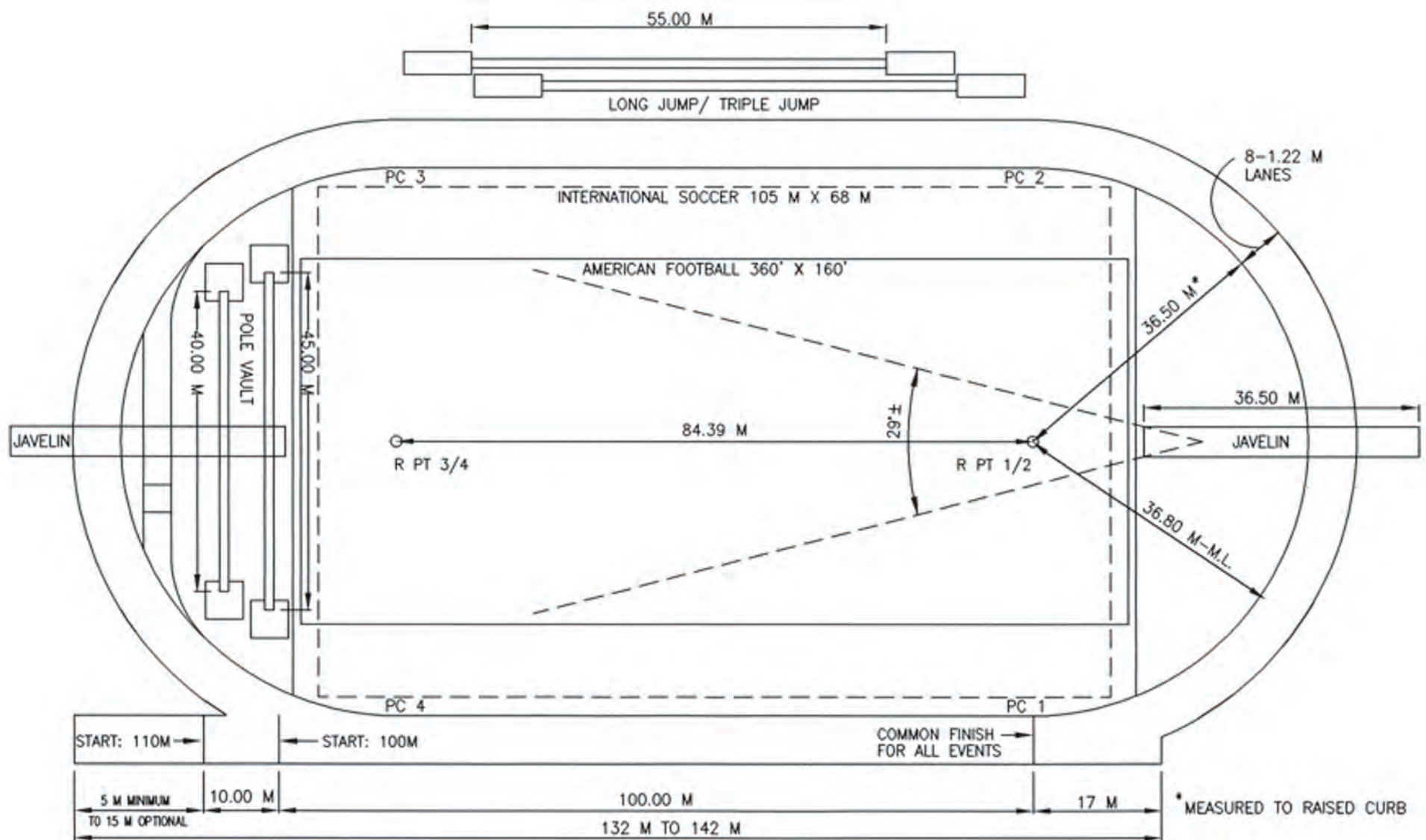




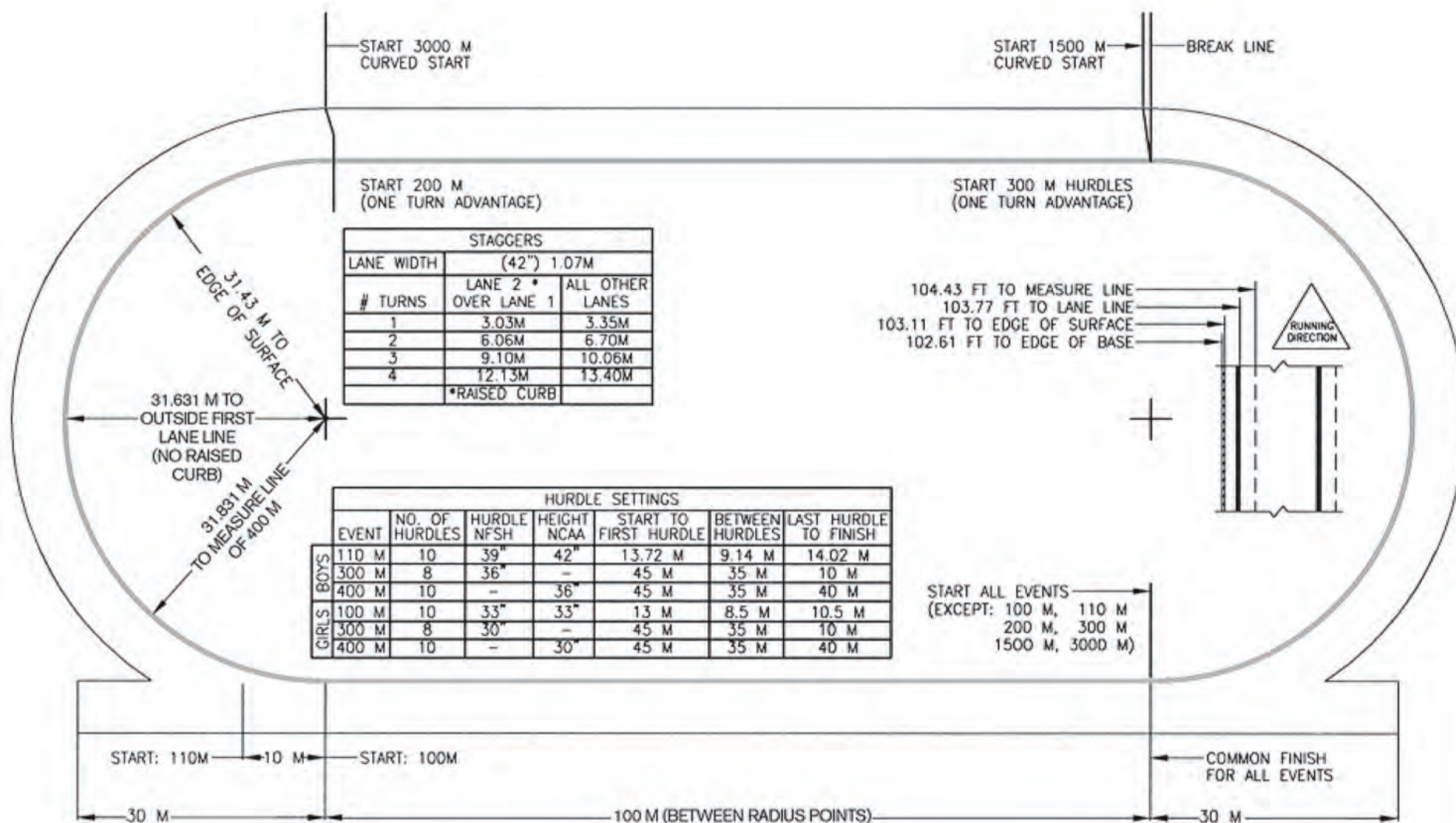
## TRACK & FIELD



# 400 Meter Track

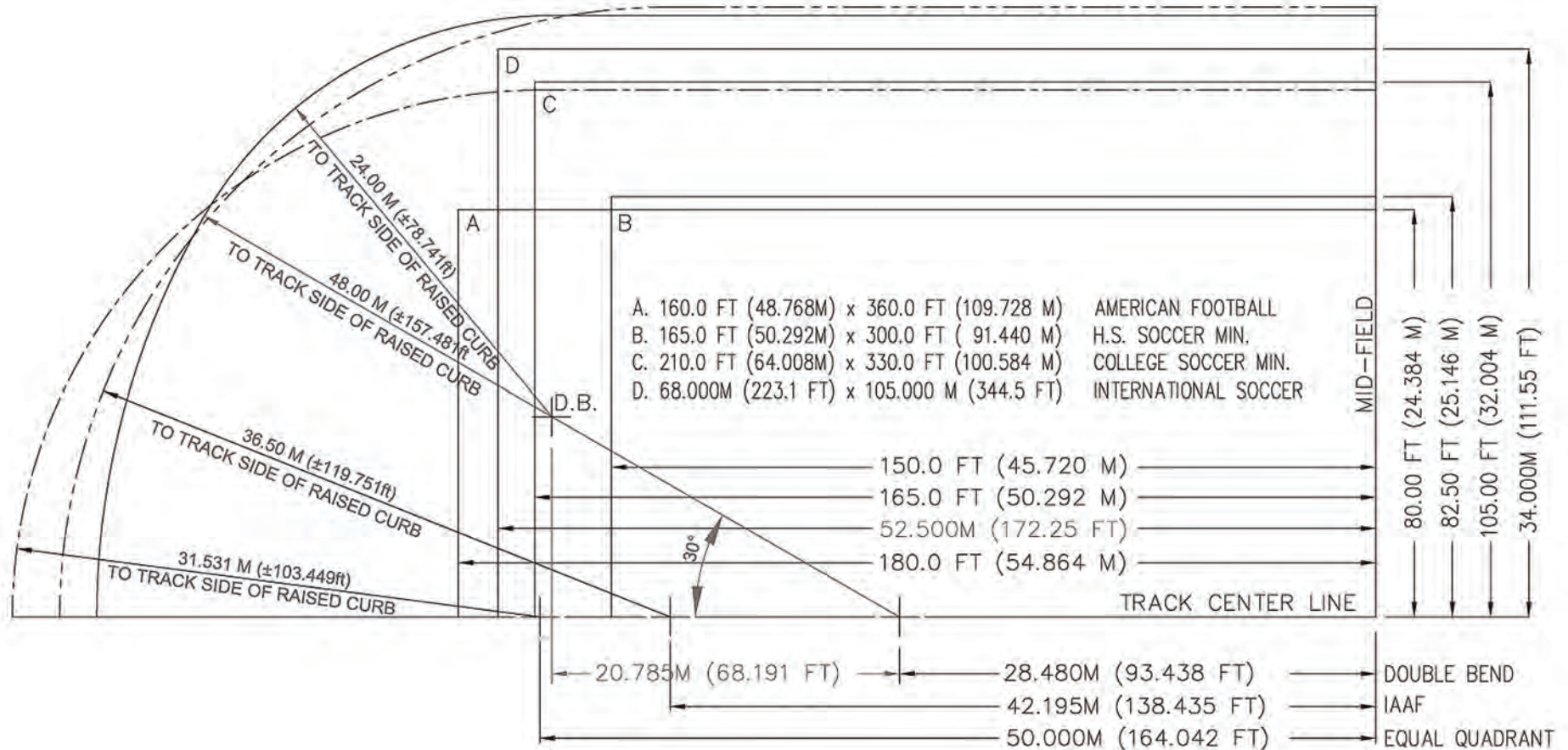


# 400 Meter Event

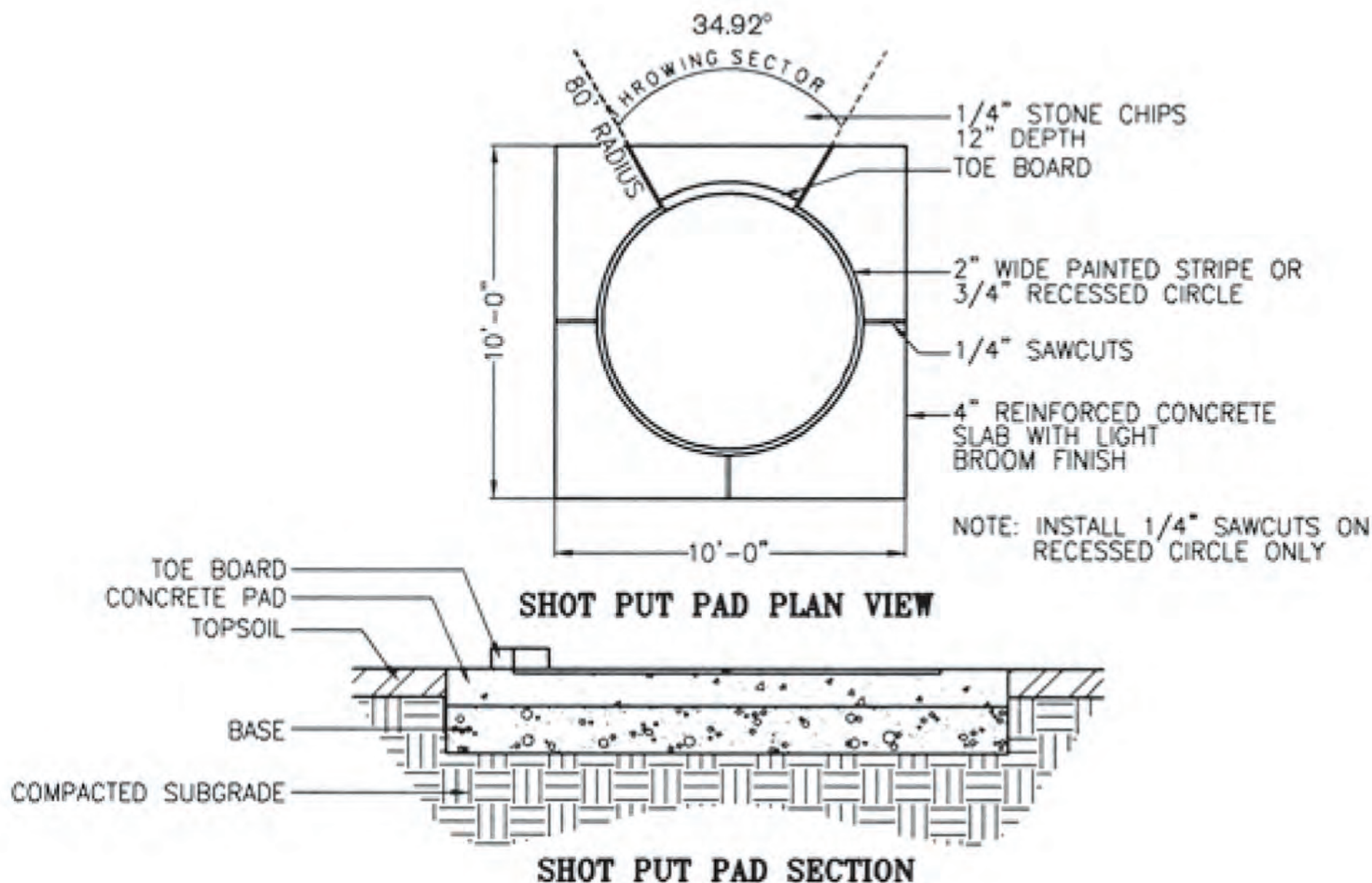




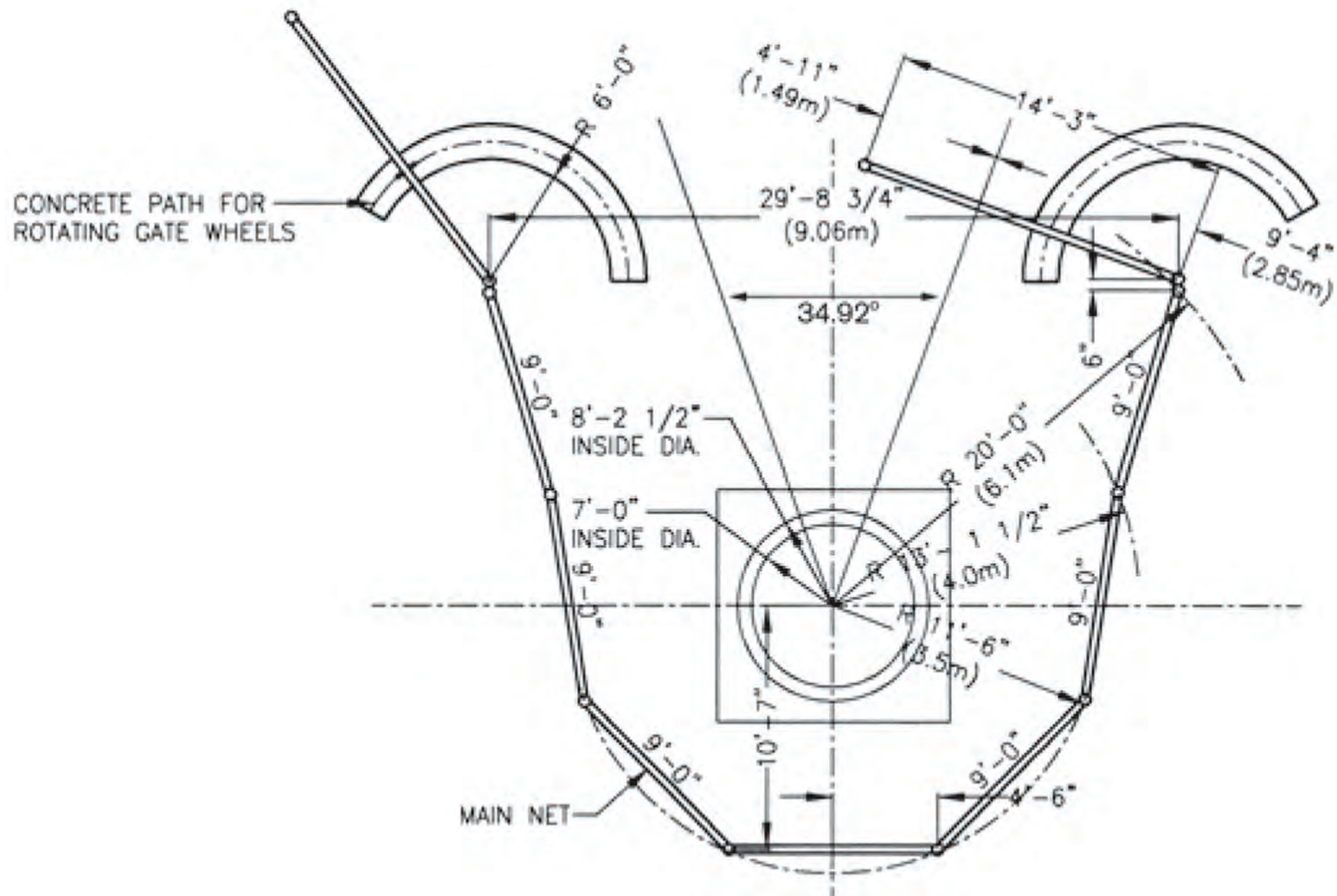
# Track/Playing Field Configurations



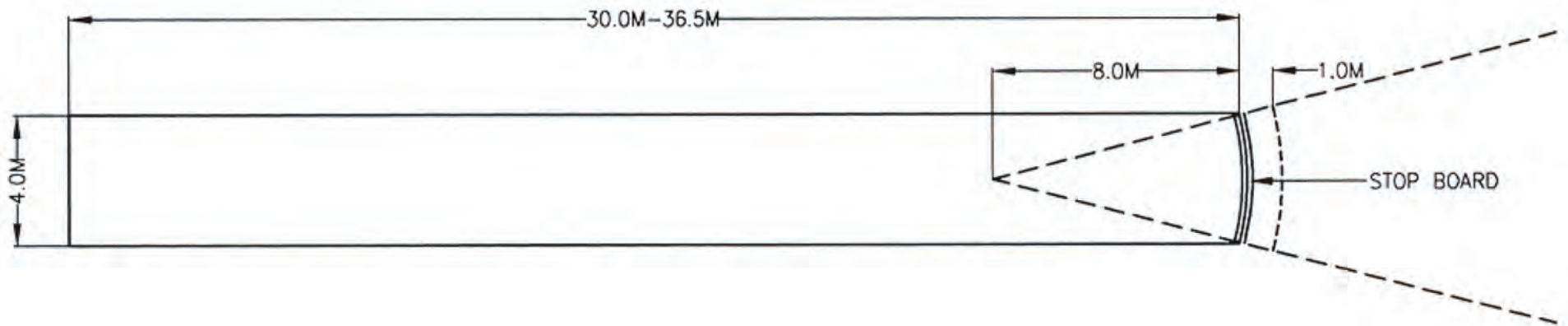
# Shot Put Pad



# Suggested Discus/Hammer Cage

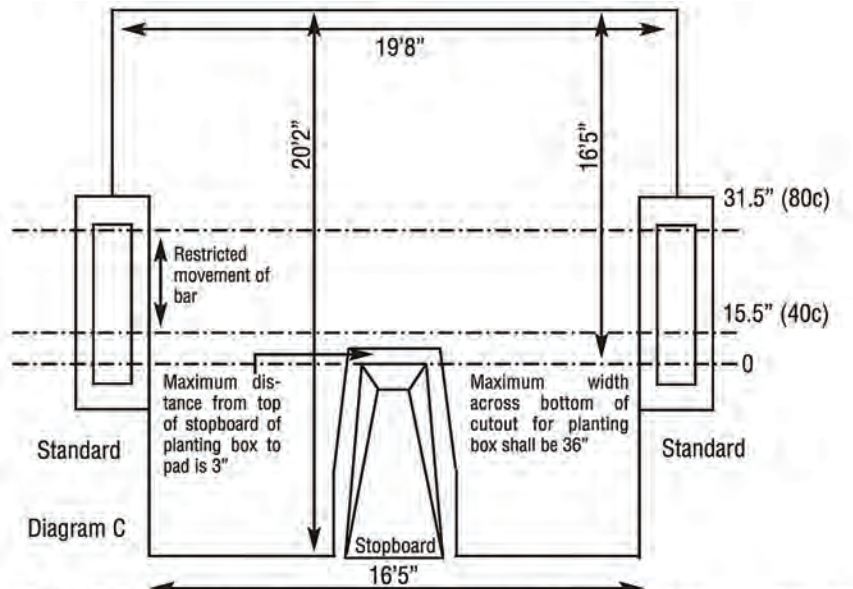


# Javelin Runway

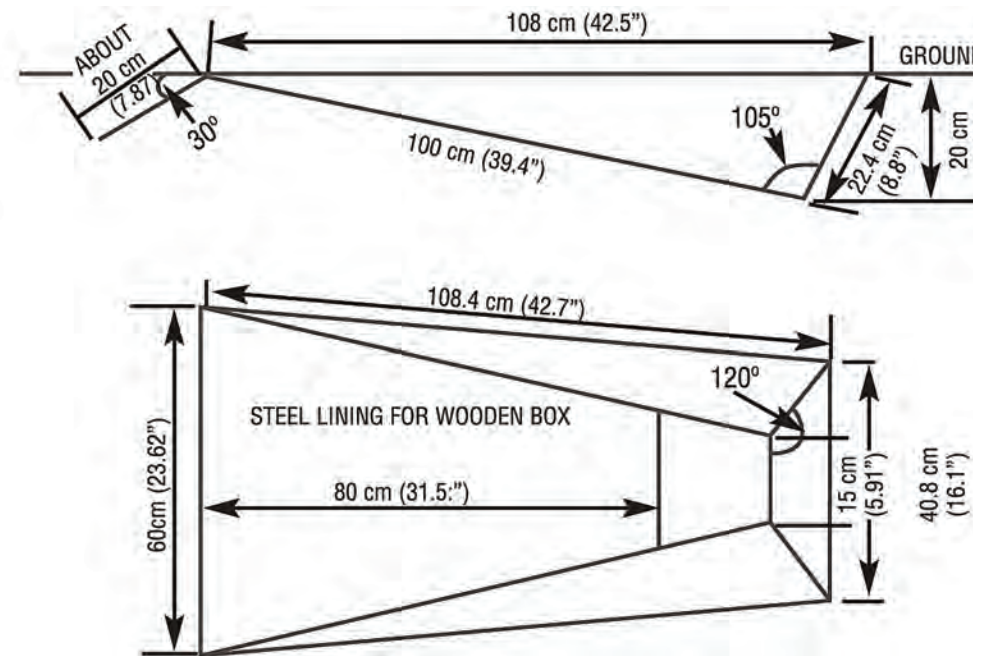




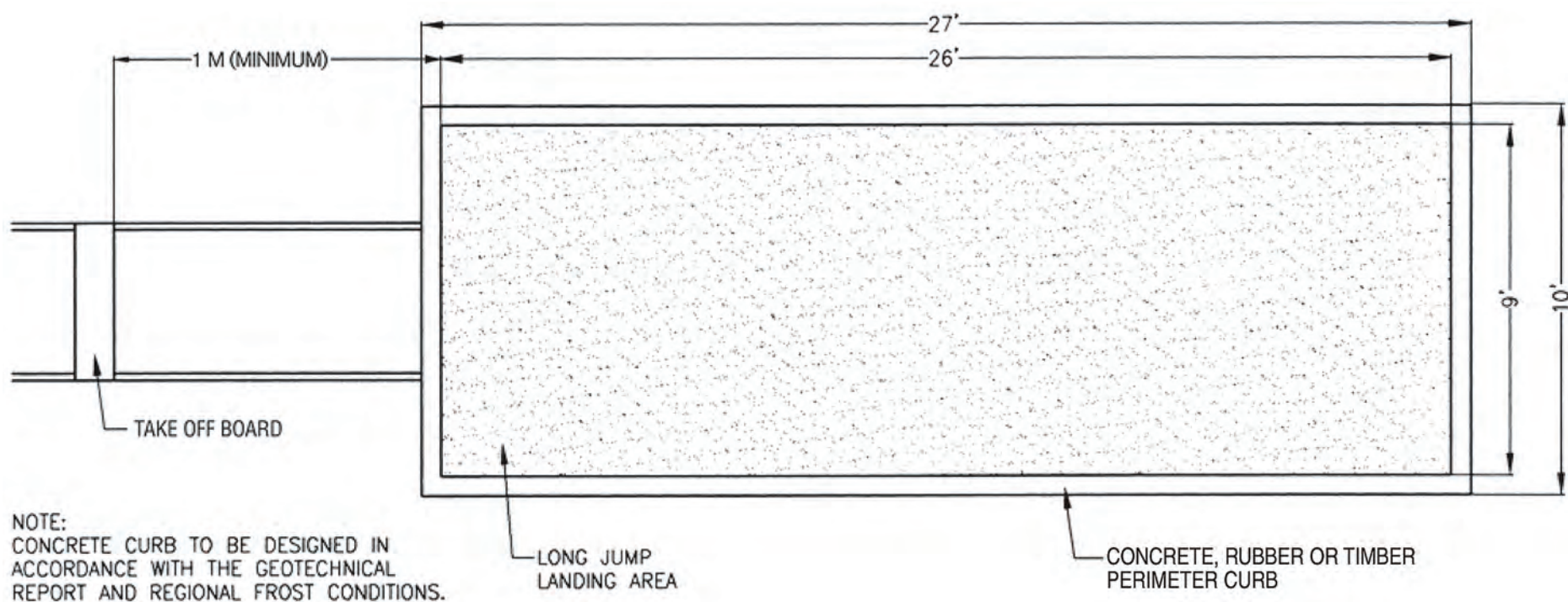
# Pole Vault Landing Area



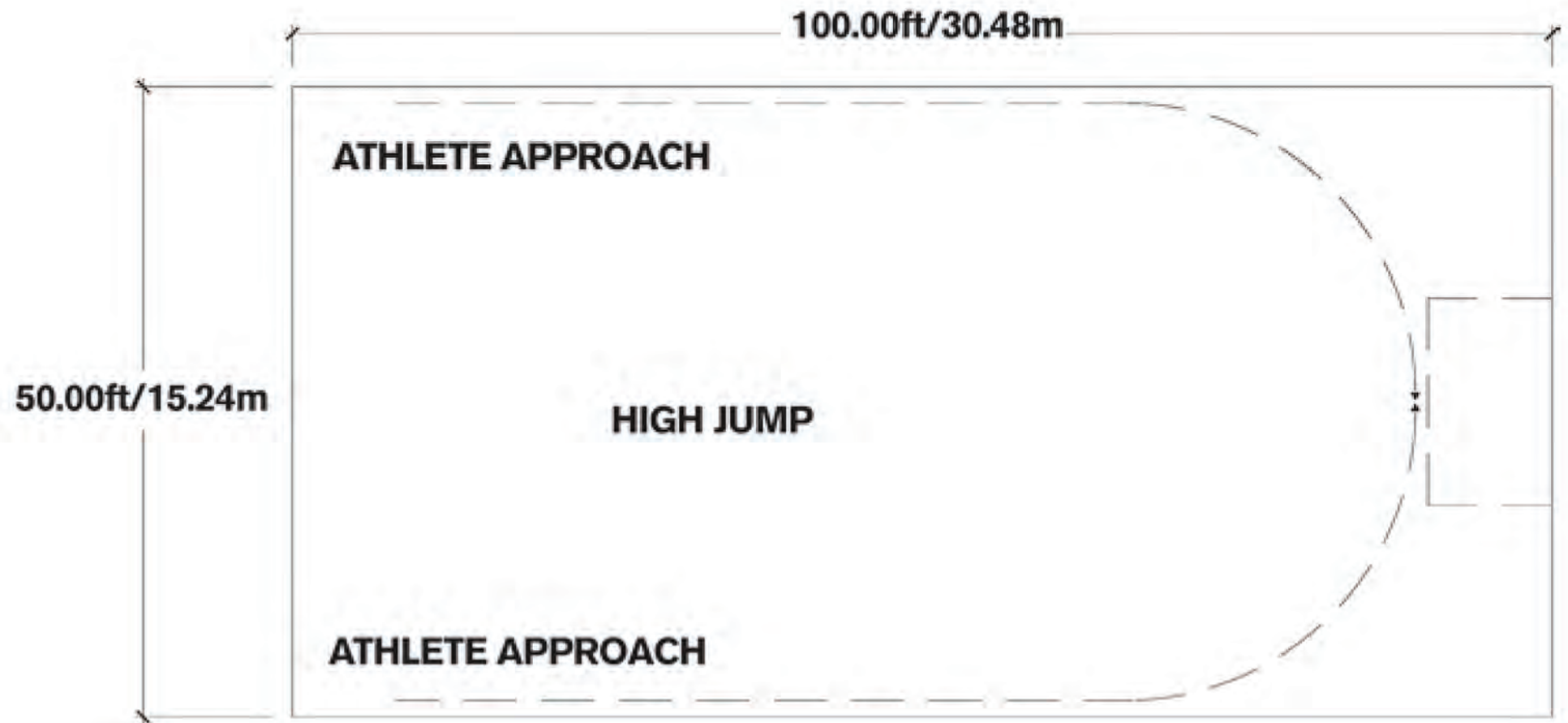
**LANDING SYSTEM:** The standards or uprights shall be set to position the crossbar from a point 15.5 inches (40c) beyond the vertical plane of the top of the stopboard, up to a maximum distance of 31.5 inches (80c) in the direction of the landing surface.



# Long Jump/Triple Jump Pit Plan



# High Jump Detail





## RESOURCES

---

**Amateur Softball Association of America**  
[www.asasoftball.com](http://www.asasoftball.com)

**American Sports Builders Association**  
[www.sportsbuilders.org](http://www.sportsbuilders.org)

**American Youth Football**  
[www.americanyouthfootball.com](http://www.americanyouthfootball.com)

**American Youth Soccer Association**  
[soccer.org](http://soccer.org)

**Babe Ruth League**  
[www.baberruthleague.com](http://www.baberruthleague.com)

**Canadian Football League**  
[www.cfl.ca](http://www.cfl.ca)

**Federation of International Volleyball**  
[www.fivb.org](http://www.fivb.org)

**International Lacrosse Federation**  
[www.filacrosse.com](http://www.filacrosse.com)

**International Association of Athletic Federations**  
[www.iaaf.org](http://www.iaaf.org)

**International Tennis Federation**  
[www.itftennis.com](http://www.itftennis.com)

**Little League Baseball**  
[www.littleleague.org](http://www.littleleague.org)

**Major Indoor Soccer League**  
[misl.uslsoccer.com](http://misl.uslsoccer.com)

**Major League Soccer**  
[www.mlssoccer.com](http://www.mlssoccer.com)

**Major League Baseball**  
[mlb.mlb.com](http://mlb.mlb.com)

**National Basketball Association**  
[www.nba.com](http://www.nba.com)

**National Collegiate Athletic Association**  
[www.ncaa.org](http://www.ncaa.org)

**NFHS**  
[www.nfhs.org](http://www.nfhs.org)

**National Football League**  
[www.nfl.com](http://www.nfl.com)

**Pony League**  
[www.pony.org](http://www.pony.org)

**Pop Warner Football**  
[www.popwarner.com](http://www.popwarner.com)

**Rugby Canada**  
[www.rugbycanada.ca](http://www.rugbycanada.ca)

**U.S. Flag & Touch Football League**  
[www.usftl.com](http://www.usftl.com)

**United States Tennis Association**  
[www.usta.com](http://www.usta.com)

**US Lacrosse**  
[www.uslacrosse.org](http://www.uslacrosse.org)

**US Soccer Federation**  
[www.ussoccer.com](http://www.ussoccer.com)

**US Youth Soccer**  
[www.usyouthsoccer.org](http://www.usyouthsoccer.org)

**USA Field Hockey**  
[www2.teamusa.org](http://www2.teamusa.org)

**USA Rugby**  
[www.usarugby.org](http://www.usarugby.org)

**USA Softball**  
[www.usasoftball.com](http://www.usasoftball.com)

**USA Track and Field**  
[www.usatf.org](http://www.usatf.org)

**USA Volleyball**  
[usavolleyball.org](http://usavolleyball.org)

**Women's National Basketball Association**  
[www.wnba.com](http://www.wnba.com)