



US Army Corps
of Engineers

ENGINEERING AND SUPPORT
CENTER, HUNTSVILLE

PLANNING AND DESIGN OF INDOOR AND OUTDOOR SPORTS FACILITIES

FILE NO. 750-90-01

OUTDOOR SPORTS FACILITIES

COVER SHEET

U. S. ARMY - ENGINEERING AND
SUPPORT CENTER, HUNTSVILLE
HUNTSVILLE, ALABAMA

Approved Functional Adequacy
Title: _____
Prepared by _____

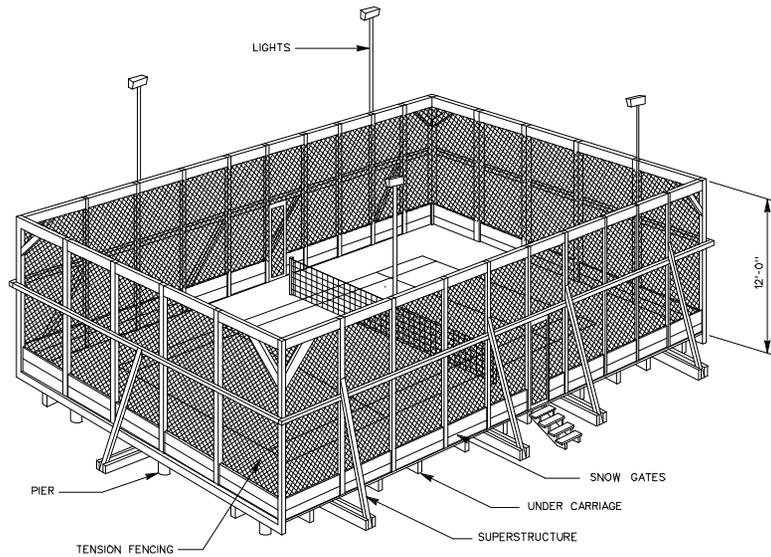
Constructibility Review
SAC/Construction Div. _____
Reviewed by _____
SAC/CS Division _____
Reviewed by _____

Recommended by
Director of Expedition _____
Approved by _____
District Engineer _____

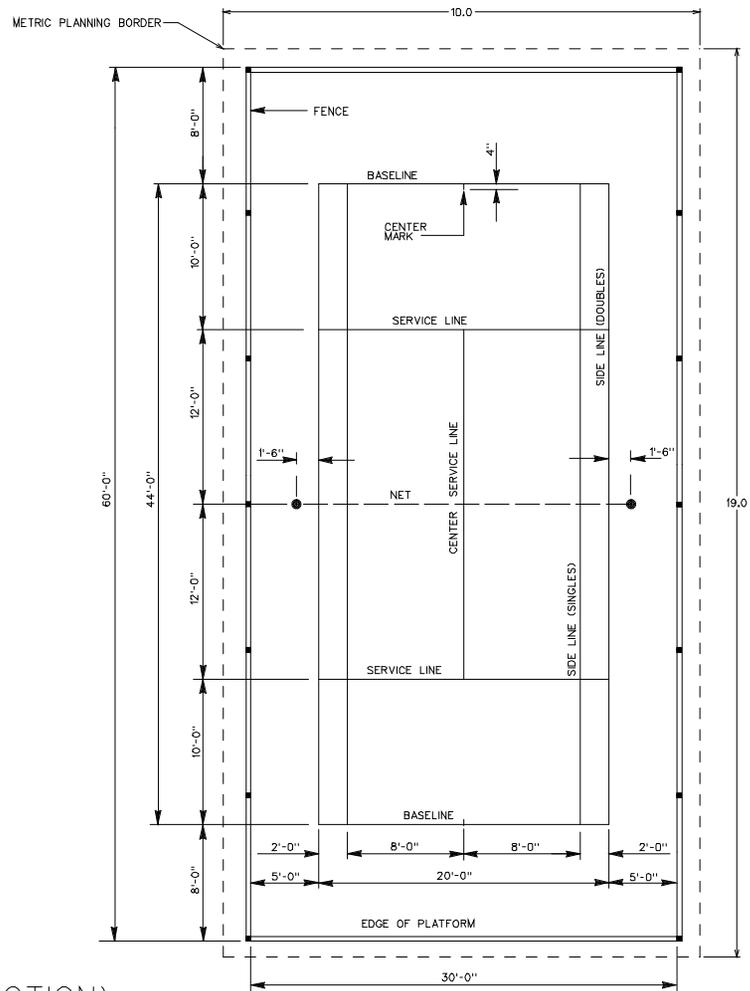
This project was designed by the
U.S. Army Engineering and Support
Center, Huntsville. The titles or
designations of individuals appear
herein only to indicate their
scope of their employment as
required by EP 110-1-1002.

NOTES:

All measurements for court markings are to the outside of lines except for those involving the center service line, which is equally divided between right and left service court.
 All court markings to be 2" wide.
 For net post details see manufacturers' literature.
 Net height to be 3'-1" at post and 2'-10" at center court.



ISOMETRIC SHOWING FENCE (TYPICAL WOOD CONSTRUCTION)



COURT LAYOUT

PLATFORM TENNIS
 SCALE: 1:50 ALL METRIC DIMENSIONS ARE IN METERS (m)

To Develop the Metric Planning Border:
 All regulatory dimensions have been soft converted using 25.4 mm per inch, and rounded off to the nearest millimeter.
 All "preferred" and other non regulatory dimensions have been hard converted using 25 mm per inch.
 The metric planning border is rounded off to be divisible by 100 mm, which is the preferred metric design module.
 Unless authorized by sanctioning body, actual court or playing field dimensions have been retained in inch-pound units.

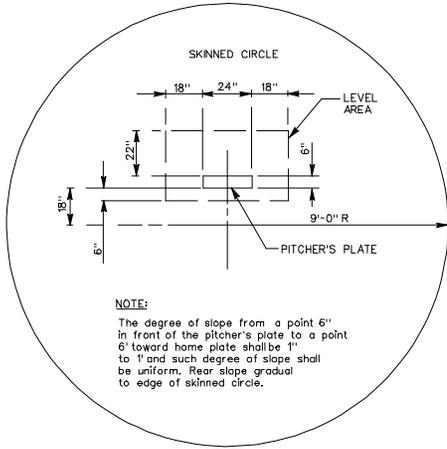


Rev.	Description	Date	By	Check

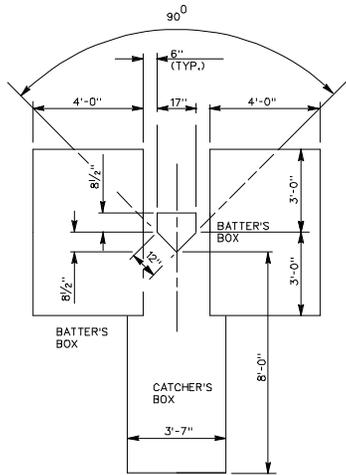
U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE HUNTSVILLE, ALABAMA Prepared by: MJS Checked by: JAC Reviewed by: JAC Submitted by:	Rev. Date by: DT Design file no. Drawing order File name: PLATFORM File size: 100
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OUTDOOR SPORTS FACILITIES
 PLATFORM TENNIS

Sheet reference number:
AA-18
 Sheet of



LAYOUT AT PITCHER'S PLATE
N.T.S



LAYOUT AT HOME PLATE
N.T.S

NOTES:

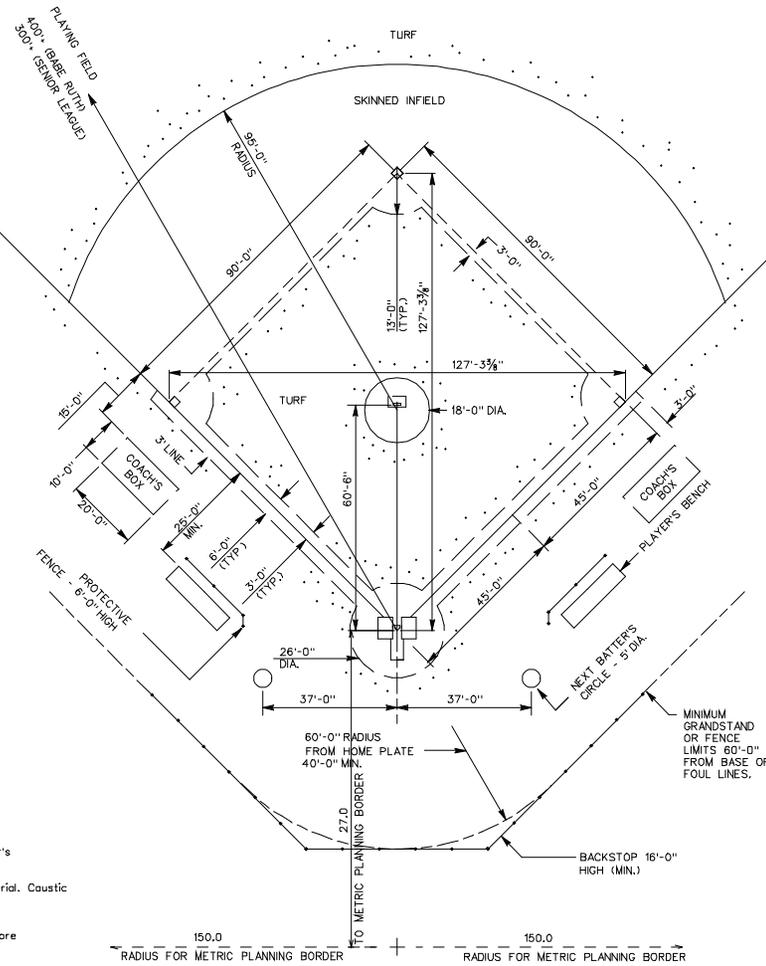
Foul lines, catcher's, batter's and coach's boxes, next batter's circles and 3' line shall be 2" to 3" wide and marked with chalk or other white material. Caustic lime must not be used.

The base bags shall be 15" square, not less than 3" no more than 5" thick, and filled with soft material.

For grading and drainage details see sheet AG-4.

For surfacing details see sheet AG-5.

For backstop details see manufacturer's information.



DIAMOND LAYOUT

To Develop the Metric Planning Border:

All regulatory dimensions have been soft converted using 25.4 mm per inch, and rounded off to the nearest millimeter.

All "preferred" and other non regulatory dimensions have been hard converted using 25 mm per inch.

The metric planning border is rounded off to be divisible by 100 mm, which is the preferred metric design module.

Unless authorized by sanctioning body, actual court or playing field dimensions have been retained in inch-pound units.

OFFICIAL BASEBALL

SCALE: 1:200 ALL METRIC DIMENSIONS ARE IN METERS (m)



US Army Corps of Engineers

Symbol	Description	Date	Revised	By	Checked	Approved

Rev.	Date	By	Description

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE HUNTSVILLE, ALABAMA

Designed by: []
 Drawn by: []
 Checked by: []
 Reviewed by: []
 Submitted by: []
 File name: BMLLOR
 File date: 1/2000

OUTDOOR SPORTS FACILITIES
OFFICIAL BASEBALL

Sheet reference number:
AB-1
Sheet of

NOTES:

Lines must be marked with a white non-toxic material which is not injurious to the eyes or skin.

All lines shall be 2" wide except the center or offside line which shall be 4"
All dimensions are to inside of lines except at center line.

Flexible flag markers shall be placed at the four corners of the field and at each end of the center line.

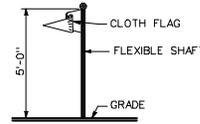
For grading and drainage details see sheet AG-4.

For surfacing details see sheet AG-5.

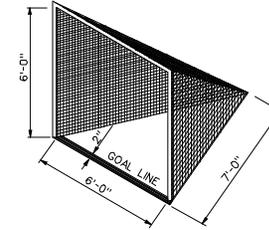
GOAL NOTES:

Goalnet should be cord netting with openings of not more than 1/2".
Bottom of net must be held close to the ground with pegs or staples.

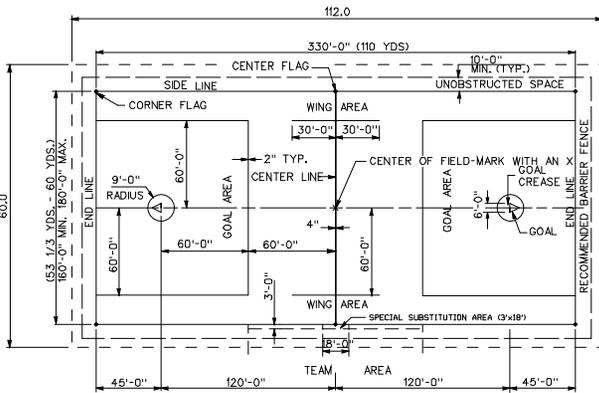
Posts to be pipe, painted orange and secured to the ground.



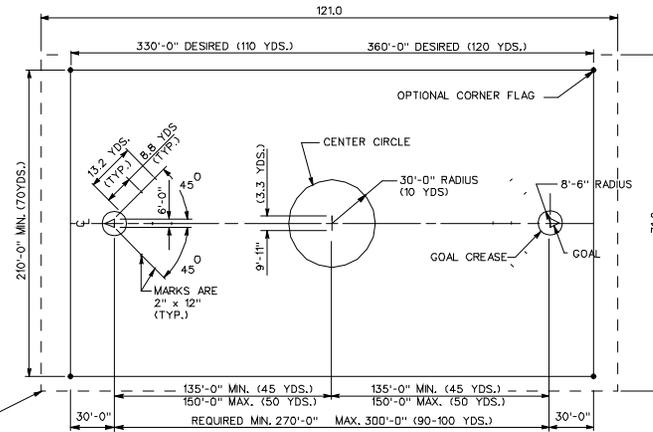
FLAG DETAIL
N.T.S.



DETAIL OF GOAL
N.T.S.



MEN'S PLAYING FIELD LAYOUT



WOMEN'S PLAYING FIELD LAYOUT (SHAPE VARIES)

To Develop the Metric Planning Border:

All regulatory dimensions have been soft converted using 25.4 mm per inch, and rounded off to the nearest millimeter.

All "preferred" and other non regulatory dimensions have been hard converted using 25 mm per inch.

The metric planning border is rounded off to be divisible by 100 mm, which is the preferred metric design module.

Unless authorized by sanctioning body, actual court or playing field dimensions have been retained in inch-pound units.

LACROSSE (MEN & WOMEN)

SCALE: 1:500 ALL DIMENSIONS ARE IN METERS (m)

NOTES:

All marking lines shall be 2" wide and marked with a white non-toxic material which is not injurious to the eyes or skin.

Boundary lines are optional. When marked they shall be 2" wide.

Optional flag may be placed at the four corners or selected boundary points.

For grading and drainage details see sheet AG-4.

For surfacing details see sheet AG-5.

GOAL NOTES:

Goalnet shall be cord netting with openings of not more than 1/2".

Bottom of net must be held close to the ground with pegs or staples.

Posts and crossbar shall be of wood, 2" x 2" and shall be painted white or orange.

Goals made of pipe and painted are considered legal but wooden 2" x 2"



US Army Corps of Engineers

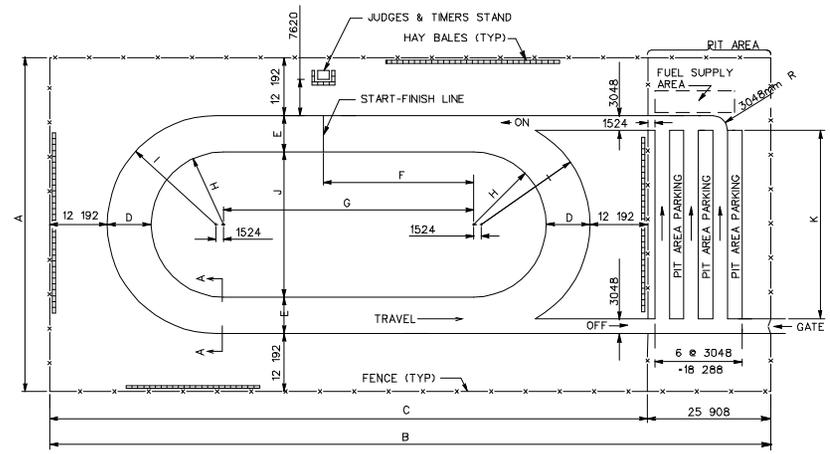
Symbol	Description	Symbol	Description	Date	Approved

Rev.	Date	By	Check	Design	Drawn	Checked	Reviewed	Submitted	File name	Plot date

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE HUNTSVILLE, ALABAMA

OUTDOOR SPORTS FACILITIES
LACROSSE (MEN & WOMEN)

Sheet reference number:
AB-9
Sheet of



GO KART OVAL TRACK LAYOUT

GO KART OVAL TRACK LAYOUT DATA

TRACK LENGTH	A	B	C	D	E	F	G	H	I	J	K
134 000 OVAL	64 008	126 522	100 614	10 668	9144	20 117	33 558	10 668	19 812	21 336	33 528
160 800 OVAL	64 008	135 148	109 240	9144	7620	25 311	42 184	12 192	19 812	24 384	33 528
201 000 OVAL	70 104	151 790	125 882	9144	7620	31 638	52 730	15 240	22 860	30 480	39 624

NOTES:

- See sheet AF-2 for SECTION A-A.
- Intl. Kart Federation recommends a track length of at least 201 000 mm for national competition.
- Protective hay bales shall be placed 610 mm away from fences and judges stand.
- Track length measurement shall be along the inside edge of track.
- A maximum grade of 10% is permitted in direction of travel.
- Track, pit, and spectator area shall each be separated by a fence.
- The layout in this sheet and in sheet are suggested. For more layouts and safety information, contact Intl. Kart Federation.

GO KART OVAL TRACK
SCALE: 1:500 ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm)

Symbol	Description	Code	Approved	Typed	Checked	Date	Approved

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE, ALABAMA	Designed by: MUS	Drawn by: MUS	Checked by: MUS	Reviewed by:	Submitted by:	Rev.	Date by: DT	Design file no.	Drawing code	File name: GWANTZEN	File date: 1900

OUTDOOR SPORTS FACILITIES
GO KART OVAL TRACK

Sheet reference number:
AF-1
Sheet of

