

## CHECK LIST

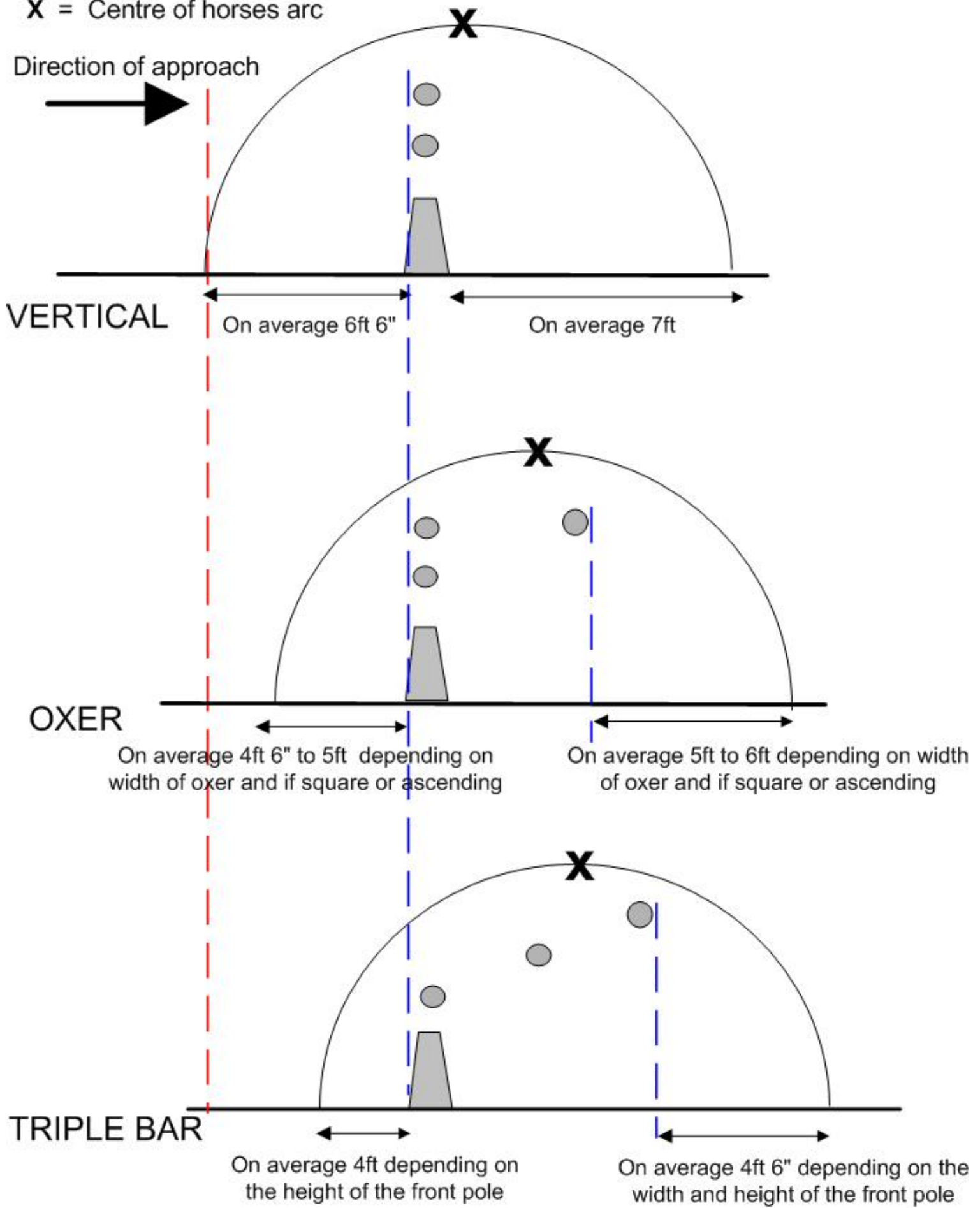
- Type of fences:           # of oxers  
                                  # of verticals  
                                  # of triple bars
- Total # of fences: -----
- Leads:  
                                  # of left approaches  
                                  # of right approaches  
                                  # of neutral approaches
- Changes of directions:
- Required maximum/minimum length of track:
- Actual length of track:

# JUMPING ARCS

these are based on fences 3ft 6" to 4ft 6" high

X = Centre of horses arc

Direction of approach



# FEET - METRE CONVERSIONS

| <u>Distance</u><br><u>Feet/Metres</u> | <u>Distance</u><br><u>Feet/Metres</u> | <u>Height/Spread</u><br><u>Feet/Metres</u> | <u>1 Stride</u><br><u>Feet/Metres</u>  |
|---------------------------------------|---------------------------------------|--|--|
| 45 = 13.70                            | 73 = 22.25                            | 2' 11" = 0.90                              | 23' 11 = 7.30                          |
| 46 = 14.00                            | 74 = 22.55                            | 3' 1" = 0.95                               | 24' 3 = 7.40                           |
| 47 = 14.30                            | 75 = 22.85                            | 3' 3" = 1.00                               | 24' 7 = 7.50                           |
| 48 = 14.60                            | 76 = 23.15                            | 3' 5" = 1.05                               | 24' 11 = 7.60                          |
| 49 = 14.90                            | 77 = 23.50                            | 3' 7" = 1.10                               | 25' 3 = 7.70                           |
| 50 = 15.25                            | 78 = 23.80                            | 3' 9" = 1.15                               | 25' 7 = 7.80                           |
| 51 = 15.55                            | 79 = 24.10                            | 3' 11" = 1.20                              | 25' 11 = 7.90                          |
| 52 = 15.85                            | 80 = 24.40                            | 4' 1" = 1.25                               | 26' 3 = 8.00                           |
| 53 = 16.15                            | 81 = 24.70                            | 4' 3" = 1.30                               | 26' 7 = 8.10                           |
| 54 = 16.45                            | 82 = 25.00                            | 4' 5" = 1.35                               |  |
| 55 = 16.75                            | 83 = 25.30                            | 4' 7" = 1.40                               |  |
| 56 = 17.10                            | 84 = 25.60                            | 4' 9" = 1.45                               |  |
| 57 = 17.40                            | 85 = 25.90                            | 4' 11" = 1.50                              |  |
| 58 = 17.70                            | 86 = 26.20                            | 5' 1" = 1.55                               |  |
| 59 = 18.00                            | 87 = 26.50                            | 5' 3" = 1.60                               |  |
| 60 = 18.30                            | 88 = 26.80                            | 5' 5" = 1.65                               |  |
| 61 = 18.60                            | 89 = 27.10                            | 5' 7" = 1.70                               |  |
| 62 = 18.90                            | 90 = 27.40                            | 5' 9" = 1.75                               |  |
| 63 = 19.20                            | 91 = 27.70                            | 5' 11" = 1.80                              |  |
| 64 = 19.50                            | 92 = 28.00                            | 6' 1" = 1.85                               |  |
| 65 = 19.80                            | 93 = 28.35                            | 6' 3" = 1.90                               |  |
| 66 = 20.10                            | 94 = 28.65                            | 6' 5" = 1.95                               |  |
| 67 = 20.40                            | 95 = 28.95                            | 6' 7" = 2.00                               |  |
| 68 = 20.70                            | 96 = 29.25                            | 6' 9" = 2.05                               |  |
| 69 = 21.00                            | 97 = 29.55                            | 6' 11" = 2.10                              |  |
| 70 = 21.35                            | 98 = 29.90                            | 7' 1" = 2.15                               |  |
| 71 = 21.65                            | 99 = 30.20                            | 7' 3" = 2.20                               |  |
| 72 = 21.95                            | 100 = 30.50                           |  |  |
|                                       |                                       |  | <u>2 Strides</u><br><u>Feet/Metres</u> |
|                                       |                                       |  | 34' 5 = 10.50                          |
|                                       |                                       |  | 34' 9 = 10.60                          |
|                                       |                                       |  | 35' 1 = 10.70                          |
|                                       |                                       |  | 35' 5 = 10.80                          |
|                                       |                                       |  | 35' 9 = 10.90                          |
|                                       |                                       |  | 36' 1 = 11.00                          |
|                                       |                                       |  | 36' 5 = 11.10                          |
|                                       |                                       |  | 36' 9 = 11.20                          |
|                                       |                                       |  | 37' 1 = 11.30                          |

# NORMAL DISTANCES

|           |                                |             |                    |
|-----------|--------------------------------|-------------|--------------------|
| 1 Stride  | (depending on type of fences*) | 24ft – 26ft | (7.30m – 7.90m)    |
| 2 Strides | (depending on type of fences*) | 34ft – 36ft | (10.40 m– 11.0m)   |
| 3 Strides |                                | 47ft – 49ft | (14.30m – 14.90m)  |
| 4 Strides |                                | 58ft – 62ft | (17.70m – 18. 90m) |
| 5 Strides |                                | 69ft – 75ft | (21.00m – 22.85m)  |
| 6 Strides |                                | 80ft – 86ft | (24.40m – 26.20m)  |

\*refer to table of ‘Show Jumping Distances for Horses’ before using any of these distances

## **FACTORS THAT NECESSITATE USING SHORTER DISTANCES**

Uphill; Deep going; Away from the In-gate; Small Arenas; Short approaches; Weather.

## **FACTORS THAT NECESSITATE THE LENGTHING OF DISTANCES**

Downhill; Good going; Towards the in In-gate; Large arenas.

The construction of the fence (solid or flimsy), and the width of oxers, can also have an effect, as well as the level of the class.

## SHOW JUMPING DISTANCES FOR HORSES

The following table is a range of distances that are regarded suitable for combinations on level ground, in normal weather conditions.

These ranges are based of fence heights of approximately 1.20m (4ft 0"). For competitions below this height the shorter distances are recommended.

### FACTORS THAT NECESSITATE USING SHORTER DISTANCES

Uphill; Deep going; Away from the In-gate; Small Arenas; Short approaches; weather.

### FACTORS THAT NECESSITATE THE LENGTHING OF DISTANCES

Downhill; Good going; Towards the in In-gate; Large arenas.

The construction of the fence (solid or flimsy), and the width of oxers, can also have an effect.

Extreme variations of distances are only recommended for higher grade competitions with more experienced riders.

Distances in each part of a Triple Combination should either be consistent, or normal to slightly long, and only variations of long to short, used with caution, in major competitions.

For indoor, or small arenas, distances can be shortened by up to 15cm (6") for one stride and 20-30cm (8-12") for two strides, to correspond to those that would normally be used outdoors for the same class.

Distances are measured from the face of the landing side of the first fence, to the face of the take off side of the second fence, ignoring any small ground lines.

| → |                   |                   |                   |                   |
|---|-------------------|-------------------|-------------------|-------------------|
|   | 1 stride          | 2 strides         | 1 stride          | 2 strides         |
|   | 24ft 6" – 26ft 0" | 34ft 9" – 36ft 3" | 24ft 3" – 25ft 6" | 35ft 0" – 35ft 6" |
|   | 7.50m – 7.90m     | 10.60m – 11.05m   | 7.40m – 7.80m     | 10.70m – 10.80m   |
|   | 25ft – 26ft 3"    | 35ft 0" – 36ft 6" | 24ft 0" – 25ft 0" | 34ft 6" – 35ft 0" |
|   | 7.60m – 8.00m     | 10.70m – 11.10m   | 7.30m – 7.60m     | 10.50m – 10.70m   |

## **SUGGESTED LIST OF SHOW JUMPING MATERIAL**

The following should be freshly painted and be in good repair:

- 25 pairs of wings and/or pillars.
  - A minimum of 50 - 12ft long machined colour poles, with two sets of at least 12 of the same colour (for use in the combinations), to a maximum diameter of 4" and a minimum diameter of 3½".
  - A set of 4 – 8ft long poles with corresponding gate/s or planks as filler.
  - A least one set of 4 planks, 12 ft long, preferably matching the colour and pattern of one of the sets of poles.
  - A minimum of 8 – 12inch or 16-inch high gates (12ft long) painted in pairs to match one of the colours of the poles, or solid white for flexibility.
  - A minimum of 4 – 2ft high gates, or hurdles, again painted white or to mach the 12/16-inch gates and poles.
  - 2 sets of 2ft high walls or hurdles
  - 100 - pole cups, of which 50 are to have a to a preferable depth of 1 inch, or a maximum of 1 ¼ inch and a minimum depth of ¾ inch
  - 30 – plank/gate cups with a maximum lip of 1/8 inch
  - 8 pairs of breakaway/safety cups (see notes below)
  - A set of numbers 1 - 12, plus 3 - 'A's, 3 - 'B's and 1 - 'C'
  - Start and Finish markers
  - 30 pairs of red and white flags
- 
- Electronic timing and display along with preferably a 'start' tone rather than a bell or whistle

Notes:

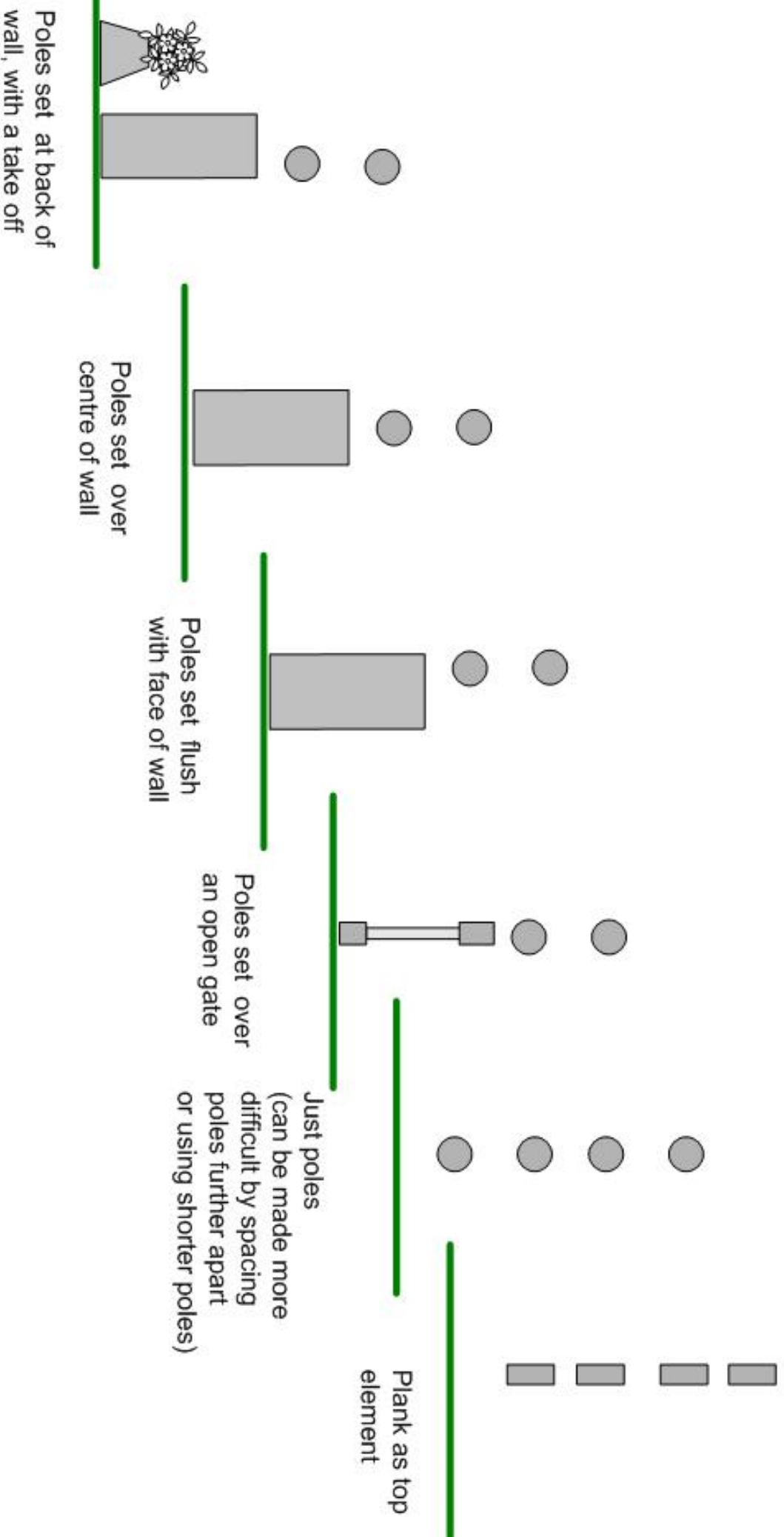
The above numbers do not allow for breakages or if additional fences are to be built for different courses for other classes.

Your attention is drawn to Article 1744.1 of the 2004 United States Equestrian Federation Eventing rules, which states; *"In any circumstances not specifically covered by these rules, FEI Rules for Jumping Events shall apply"*. Article 210 of the FEI Jumper Rules require safety/breakaway cups to be used for all back rails of oxers, and all middle and back rails of triple bars in all competitions and in exercise areas. However, on further reading the FEI rules on Eventing (Art. 539.3) they do slightly overrule this by saying *'FEI safety cups are recommended'*. One should consider the legal implications, if an accident happened, and you did not follow these recommendations.

In addition, the following jump material should be provided in the schooling area. Although the present rules only require you to build three practice fences, it is preferable (especially if you are expecting a large entry) to have enough material to build a minimum of two oxers, two verticals, and at least one 'X' jump.

- 8 (preferably 14) uprights or wings
- 10 (preferably 16-20) coloured poles
- 10 (preferably 22) pole cups (breakaways for spread obstacles)
- 7 pairs of flags unless the tops of the upright/wings are painted red and white

# DEGREE OF DIFFICULTY IN FENCE DESIGN



EASY TO MORE DIFFICULT

## **SUPPLIERS OF METRIC CUP SYSTEMS AND F. E. I. APPROVED BREAKAWAY CUPS**

This is not a comprehensive list of suppliers.

Other suppliers of F. E. I. approved breakaway cups can be found in the F. E. I. Bulletin

[http://www.horsesport.org/about\\_fei/publications/publications.lasso?sub=corp](http://www.horsesport.org/about_fei/publications/publications.lasso?sub=corp)

**Please Note: At present the recommended minimum depth of a top cup for all F.E.I. divisions is 25mm, with a minimum depth of 20mm.**

Caro Parcours

Cardinali & Rothenberger BmbH  
Depart-32257 Bunde. Liebermannstr 18  
Germany  
Phone: +49 (0) 52 23 /10036  
Fax: +49 (0) 52 23 / 10037  
Email; [info@caro-parcours.de](mailto:info@caro-parcours.de)  
<http://www.frank-rothenberger.de/>

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TN 37065-0761  
(615) 415-4139

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(860) 859-1070  
Email: [ljent@ctol.net](mailto:ljent@ctol.net)

Olaf Peterson

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[www.olaf-petersen.com](http://www.olaf-petersen.com)

Potter Steel Service

287 Collins Corner Road  
N.Dartmouth  
MA 02747  
(508) 995-7139  
[Emailjumpingcups@aol.com](mailto:Emailjumpingcups@aol.com)

### COMPARISON OF PRICES:

(approximate prices depending in some cases on number ordered does not include carriage, etc.)

Euros to US\$ exchange rate as at 4<sup>th</sup> December 2006 - \$1.33 = 1 euro

Steel Pin type breakaway cup: \$59 pair

Steel keyhole breakaway cup: \$61.50 pair

Plastic breakaway cup: Euro 42.00 pair (\$56)

Steel keyhole cup: \$6.52 each (min. order 120 order)

Plastic keyhole cup: Euro 2.75 (\$3.66) (no min. order)

Steel Keyhole strip \$11.50

Plastic Keyhole strip (1.5m) Euro 7.70 (\$10.25)