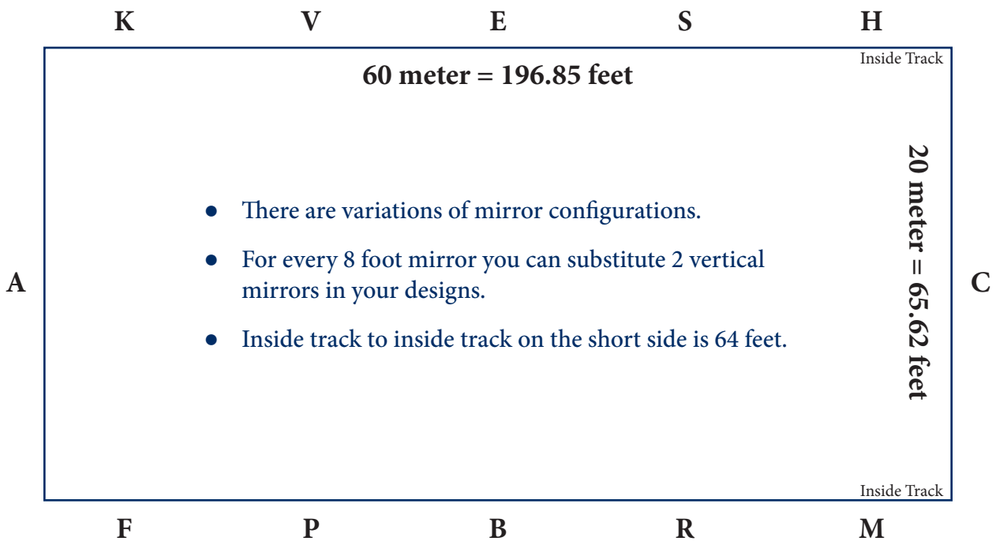
MATERIAL LIST		
VERTICAL MIRROR		
Qty	Description	Size
2	PT Wood	4" x 6" x 12'
5	PT Wood	2" x 4" x 12'
1	PT Wood	2" x 6" x 12'
6	Bags Concrete	50 lbs
4	Carraige bolts + nut & washer	6" x 1/2"
2	Carraige bolts + nut & washer	8" x 1/2"
30	Wood screws Extreior Flat Head	3"
4	Galavanized screws & rubber washers for top of H Rail	3/4"
1	"Z" Rail for bottom of mirror	
1	"H" Rail for top of mirror	
2	"L" Bracket for middle back of mirror	2"x2"
10	Galvanized screws and washers for Z and H rails	1 1/2"
HORIZONTAL MIRROR		
Qty	Description	Size
2	PT Wood	4" x 6" x 12'
5	PT Wood	2" x 4" x 12'
1	PT Wood	2" x 6" x 12'
6	Bags Concrete	50 lbs
4	Carraige bolts + nut & washer	6" x 1/2"
2	Carraige bolts + nut & washer	8" x 1/2"
20	Wood screws	3"
8	Galvanized screws & washers for top of H Rail	3/4"
1	"Z" Rail for bottom of mirror	
1	"H" Rail for top of mirror	
2	Tilt Brackets & Nuts	12" x 1/2"
12	Galvanized screws and washers for Z and H rails	1 1/2"



- There are variations of mirror configurations.
- For every 8 foot mirror you can substitute 2 vertical mirrors in your designs.
- Inside track to inside track on the short side is 64 feet.

USE COMMON SENSE WHILE INSTALLING MIRRORS. Hire a professional if you do not know how to handle or install the mirrors. Moving glass mirrors can be hazardous. Handle at your own risk. Use multiple people to hang mirror, so you do not get crushed. Take off jewelry and watches, so nothing gets caught in the mirror. Wear protective clothes, eye protection, protective gloves for moving glass, when handling mirrors.

MIRRORS FOR TRAINING

U.S.A.

"Reflection For Perfection"

Our Dressage Mirrors offer a Three Layer System:

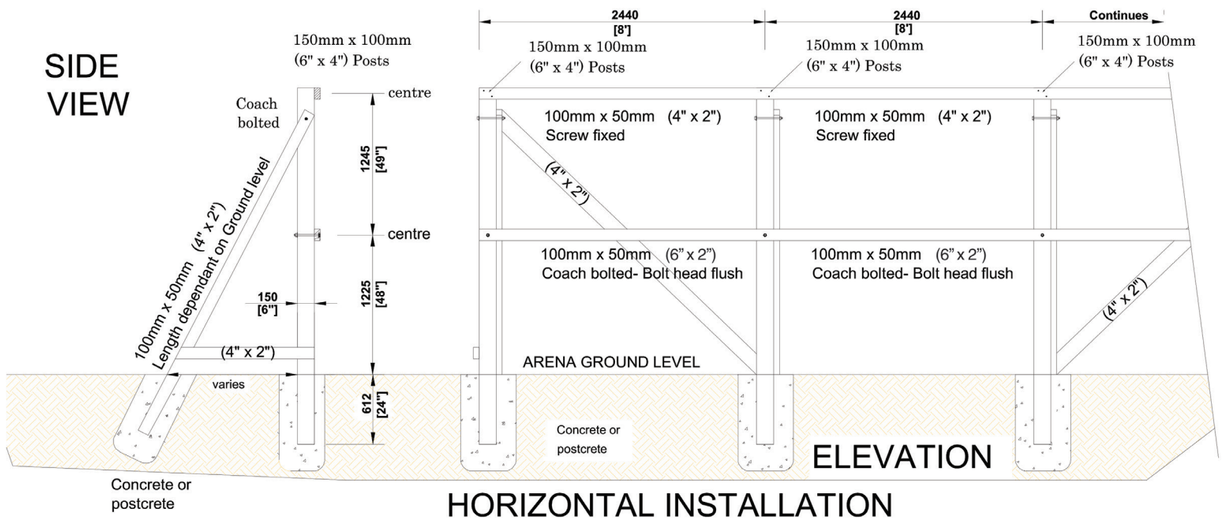
• Eight Feet by Four Feet 1/4" Thick Glass Mirror
• Safety Backing • Impact Core • Encased in Galvanized Steel
Each arena mirror comes with top and bottom rails and tilt brackets.

Riders using mirrors will find that the immediate visual feedback will improve:
Rider's & horse's body alignment, balance, muscle memory & effective use of aids.

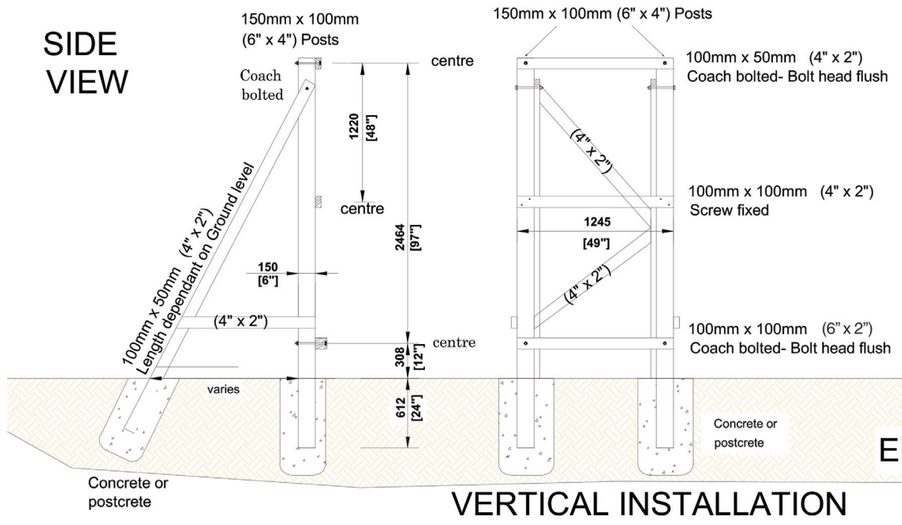
(Easily dismantled in case of hurricanes)

For more info: Laura Zalkin 941-302-0584 laurazalkin@gmail.com
or Bruce Zalkin 941-302-0572 oldtoys1960@aol.com

ARENA MIRRORS



HORIZONTAL INSTALLATION



VERTICAL INSTALLATION

ALL TIMBERS TO BE TANALISED.

IF INSTALLING POSTS FOR A CONTINUED RUN OF MIRRORS CENTRE TO CENTRE MEASUREMENT WOULD NEED TO BE 2440mm APART FROM THE LAST POST EACH END WOULD NEED TO BE 2440mm TO THE END OF THE POST NOT THE CENTRE.

IF DIY INSTALL AS DIAGRAM WITH TOP 4 x 2 ON FRONT OF POST.

IF MFT TO HANG THE MIRRORS THE TOP RAIL (4x2) WOULD NEED TO BE MOUNTED ON THE BACK OF THE POST.

How to Install / Hang Your Mirrors

How to handle your mirrors. When moving the mirror, we always use 8" glass suction cups designed to move glass. These can be purchased from Amazon for approx.$80-120/pair. Make sure they are designed for at least 200 lbs. lift capacity. You will need 2 people per mirror. Always lift the mirror straight up, do not bend or flex mirror. When tilting the mirror to attach the suction cups, do not pull/tilt the mirror by one corner. Use 2 people and tilt the mirror together, one person on each end. These are glass mirrors and will crack or break if twisted or flexed.

Step by Step Instruction for Hanging / Installing Horizontal Mirror:

1. Always make sure your framing is parallel and square to your arena.
2. It is very important that the framing is level before installing the top and bottom rails.
3. Make sure your cross pieces of your framing are level to each other.
4. Attach the "Z" rail to your 6 x 2 inch framing using (10 to 12) 1 1/2" galvanized screws.
5. Attach the "H" rail to the top long side of the mirror. The long side of the H" should be sticking up on the galvanized side of the mirror. Use (8) ¾" galvanized screws with washers to attach the H rail. Make sure you drill the screws into the back half, of the top of the mirror, so you do not crack your mirror. There is a 12 mm foam impact core behind the mirror.
6. When you are using the tilt brackets, drill 2 holes approx. 12" from each end of the "H" rail.
7. Lift the mirror straight up with suction cups and set it into the "Z" rail. Make sure someone holds it in place so it does not fall forward.
8. Drill holes into the 2"x4" and attach the tilt brackets. From the front of the mirror tilt bracket sequence is as follows: Nut & washer / "H" rail / Washer & Nut then Nut Washer/ 2" x 4"/ Washer Nut.
9. When adjusting mirror have someone in front of the mirror on a horse. Use a level to make sure the mirror is level on both ends. If it is not level, then it may look distorted.
10. When the mirror is sitting in the "Z" rail it is not snug. There is some play so you can adjust the mirror forward or back to make sure it is level.

Step by Step Instruction for Hanging /Installing Vertical Mirror:

1. Always make sure your framing is parallel and square to your arena.
2. It is very important that the framing is level before installing the top and bottom rails.
3. Make sure your cross pieces of your framing are level to each other.
4. Cut your 8' "H" and "Z" rails in half so they are 4' long.
5. Attach the "Z" rail to your 6 x 2 inch framing using (8 to 10) 1 1/2" galvanized screws.
6. Cut H rail to 4 feet.
7. Attach the "H" rail to the top short side of the mirror. The long side of the H" should be sticking up on the galvanized side of the mirror. Use (5-6) ¾" galvanized screws with washers to attach the H rail. Make sure you drill the screws into the back half, of the top of the mirror, so you do not crack your mirror. There is a 12 mm foam impact core behind the mirror.
8. Lift the mirror straight up with suction cups and set it into the "Z" bracket. Make sure someone holds it in place, so it does not fall forward.
9. Attach the "H" rail to your 2" x 4" with (5-6) 3" galvanized screws.
10. In the middle of the back of the mirror, Attache 2x "L" brackets to the support framing and the back of the mirror. Use ¾" galvanized screws with washers. Make sure you do not go to deep or you will crack the mirror.
11. You do not use tilt brackets for Vertical mirrors, so it is very important to make sure the mirror is level to the arena.
12. When adjusting mirror have someone in front of the mirror on a horse. Use a level to make sure the mirror is level on both ends. If it is not level, then it may look distorted. You may have to shim the mirrors to make them level if your framing is not square/level.
13. When the mirror is sitting in the "Z" rail it is not snug. There is some play so you can slightly adjust the mirror forward or back to make sure it is level.

MIRRORS FOR TRAINING

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