USE:
This stall will safely restrain mares during breeding preparation such as general worming, examination, artificial insemination and hygiene procedures. The stall should be located near the breeding area out of view of other horses. A small farrowing pen constructed in front of the restraining stall allows the mare to keep her head near the foal thus preventing many disturbances among mares with foals at side. The stall is designed so that it can be opened from either side to free the horse if needed. The stall may also be used to restrain a horse for other purposes.

The stall must be securely anchored to prevent movement and possible tip over of the unit by a nervous horse. Portable versions should be chained to a sturdy pole or post during use.

CONSTRUCTION: Safety for both the horse and person working on the horse is paramount. High quality materials and construction techniques must be used when building this horse restraining stall. The weight and strength of a horse can exert tremendous forces on the stall and its gates, latches and bolts.

Construct all gates and latches to avoid pinch points, rough edges or places that a horse could get a leg or other body part wedged in. There should be no space between gates and support posts on either hinge or latch ends.

MATERIALS LIST (PIPE SIZES ARE OUTSIDE DIAMETER)

1 FRAME
4 PIECES 3" PIPE, SCH 40 BLACK IRON 44" (120" when embedded in wall)
7 PIECES 3" PIPE, SCH 40 BLACK IRON 12"
2 PIECES 3" PIPE, SCH 40 BLACK IRON 12 1/2"

2 END DOORS (2)
4 PIECES 2" PIPE, SCH 40 BLACK IRON 31 1/2"
4 PIECES 2" PIPE, SCH 40 BLACK IRON 29"
4 PIECES 2" X 1 1/4" CHANNEL, MILD STEEL CHANNEL 42"
12 PIECES 2" X 6 PLANK, HARDWOOD 00"
8 EACH 5/16 X 2 1/2" CARTRIDGE BOLTS WITH NUTS

3 HINGES
24 PIECES 3/8" X 1 1/2" X 2" MILD STEEL
8 PIECES 3/4" X 2" MACHINE BOLT WITH NUT

4 BOTTOM - FOR OPTION 1
1 PIECE 35" X 76" X 3/4" STEEL PLATE
1 PIECE 30" X 75" X 1/2" RUBBER MAT

FOR OPTION 2
2 PIECES 2" ANGLE IRON, MILD STEEL 21 1/2"
2 PIECES 2" ANGLE IRON, MILD STEEL 12"
14 PIECES 2" X 6 PLANK, HARDWOOD 00"

FOR OPTIONS 3 AND 4
Dirt or Concrete

5 END LATCH (2)
2 PIECES CATCH PLATE, MILD STEEL 3/8" X 2 3/4" X 5"
2 PIECES LATCH BAR, MILD STEEL 3/8" X 1 7/8" X 1"
2 PIECES PIN, 3/8" DIA. X 1 1/2" X 1 1/2"
2 PIECES PIN, 1/2" DIA. X 1 1/2" X 1 1/2"
2 PIECES SPRING, 5"

6 SIDE DOOR (2)
4 PIECES 2" PIPE, SCH 40 BLACK IRON 49 1/2"
4 PIECES 2" PIPE, SCH 40 BLACK IRON 46"
4 PIECES 2" X 6 PLANK, HARDWOOD 00"
12 PIECES 2" X 6 PLANK, HARDWOOD 00"

7 SIDE LATCH (4)
1 PIECE 2 1/2" ROUND BAR MILD STEEL 4"
4 PIECES LATCH BAR, MILD STEEL 3/4" X 1/4"
4 PIECES LATCH HEARING, STEEL PIPE 1 1/2" X 4"

NOTE: For portable options 1 & 2, anchor top to building or post to prevent tip-over.

Dirt Floor
(Wood Floor)
(Option 2 - Portable)

Concrete Floor
(Option 4 - Permanent)

Wood Floor
(Option 2 - Portable)

Dirt Floor
(Option 3 - Permanent)