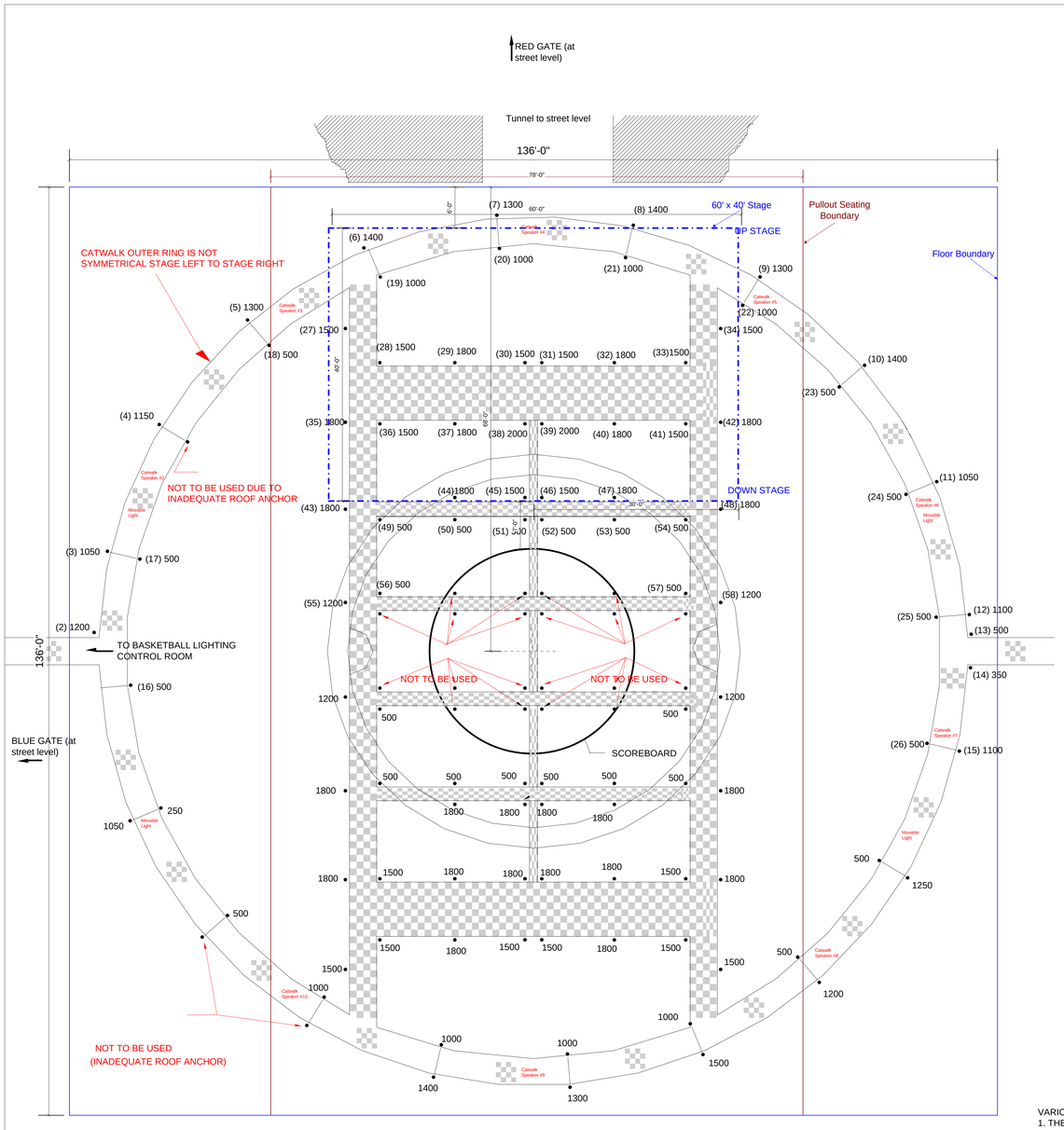
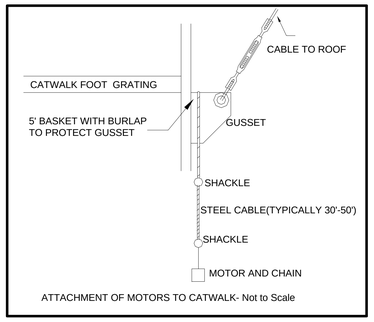
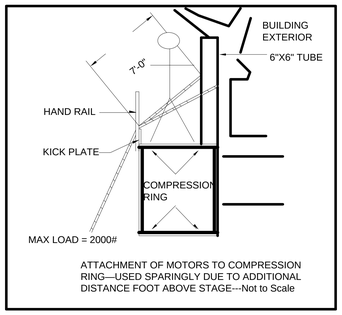


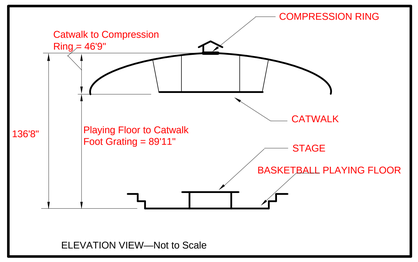
SCALE: 1/8" = 1'-0" On 24 inch by 36 inch paper



ATTACHMENT OF MOTORS TO CATWALK- Not to Scale



ATTACHMENT OF MOTORS TO COMPRESSION RING—USED SPARINGLY DUE TO ADDITIONAL DISTANCE FOOT ABOVE STAGE---Not to Scale



ELEVATION VIEW—Not to Scale

Coliseum Point Separations for Bridles

From Point Number	To Point Number	Distance Feet/Inches
3	35	39' 09"
3	43	36' 03"
16	43	42' 02"
16	49	43' 01"
17	35	36' 02"
17	36	40' 04"
17	43	32' 03"
17	49	34' 11"
17	55	31' 10"
24	42	30' 09"
24	58	33' 04"
48	10	28' 11"
48	11	31' 10"
48	12	40 09"
48	23	24' 08"
48	24	28' 06"
48	25	37' 03"

How to Use This Drawing:
This is a drawing of the West Virginia University Basketball Coliseum Catwalk. The Coliseum opened in 1970 and the catwalk was installed solely as a means to hold the light fixtures which illuminate the basketball floor. Typical events held in this arena include WVU men's and women's basketball, wrestling and gymnastic meets, physical education classes and non-athletic events such as graduation. Being that the catwalk was designed only for lighting, an analysis was made to determine its usage for concerts and this drawing is the end result. A structural engineer was hired for the evaluation and he determined that additional loads may be placed on the structure in certain locations. Those locations and loads are shown on the drawing. Deviation from the instructions on this drawing are not permitted due to concerns about safety—in other words, the catwalk may be used to its potential for concerts, but placement and quantity of the loading shall be as shown.

Since the stage is placed at one end of the basketball floor only the top half of the load points are numbered with parentheses. The numbering is repeated on the Catwalk and is of an arbitrary order, but can be an asset when installing rigging. All of the other numbers are 500, 1200, 1500 or 1800. These are the pounds that may be placed at each of those points.
All of the numbered points may be loaded up to their capacity for the show, and each point shall be attached to the catwalk as shown above. The other numbers are the maximum weight that each point can hold. (The points vary in weight due to the anchoring in the ceiling.)

Also, note that the stage is slighty skewed from the Catwalk. This is because the "H" portion of the Catwalk is not square to the basketball floor, but all of the lights are suspended from the outer ring, and not the "H". The chart "Coliseum Point Separation for Bridles" is for reference. The riggers may use the data or take their own measurements for accuracy.
David Dial, PE

VARIOUS NOTES:
1. THE SCOREBOARD IS RAISED TO ITS HIGHEST LEVEL FOR CONCERTS. IN ITS HIGHEST POSITION THERE IS ... FROM THE PLAYING FLOOR TO THE BOTTOM OF THE SCOREBOARD.
2. BETWEEN THE METAL BLEACHERS STAGE RIGHT TO STAGE LEFT IS 78'.
3. ALL CABLES AND SHACKLES REPLACED 2004.
ALL RIBS AND ANCHORS INSPECTED 2004

WEST VIRGINIA UNIVERSITY
CATWALK CONCERT RIGGING PLAN

0130-A2-234

DRAWN BY Matt Menas / Dave Dial
DATE 03NOV2005 Revised 27OCT2008
SCALE AS NOTED

REVISIONS :