

Project Name: Gen 3 5040 & 4240 Mobile Stage Approval

Project Number: 21-0797, 23-0174, 24-0071

**schaefer**

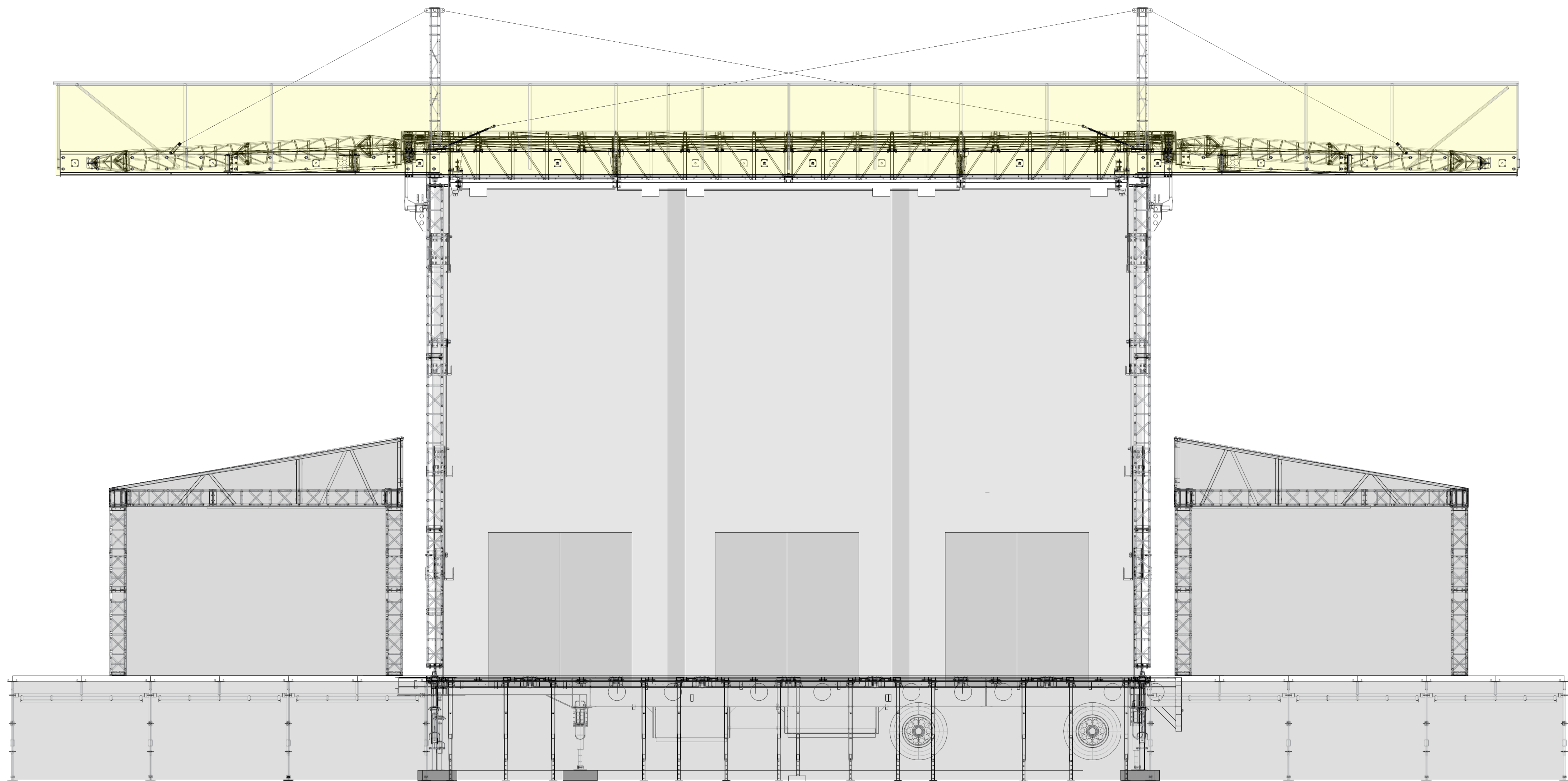
4240 Gen3 RATING DRAWINGS

ISSUED 2024-08-23

# APEX STAGES GEN3 4240

UNFOLDING THE POSSIBILITIES

WELCOME TO GEN3  
"BEAST MODE"



**TOTAL WEIGHT CAPACITY OF ROOF STRUCTURE: 97,600 LBS**

**ULTIMATE WIND RATINGWITHOUT WALLS 90 MPH SERVICE LEVEL / 115MPH ULTIMATE LEVEL**

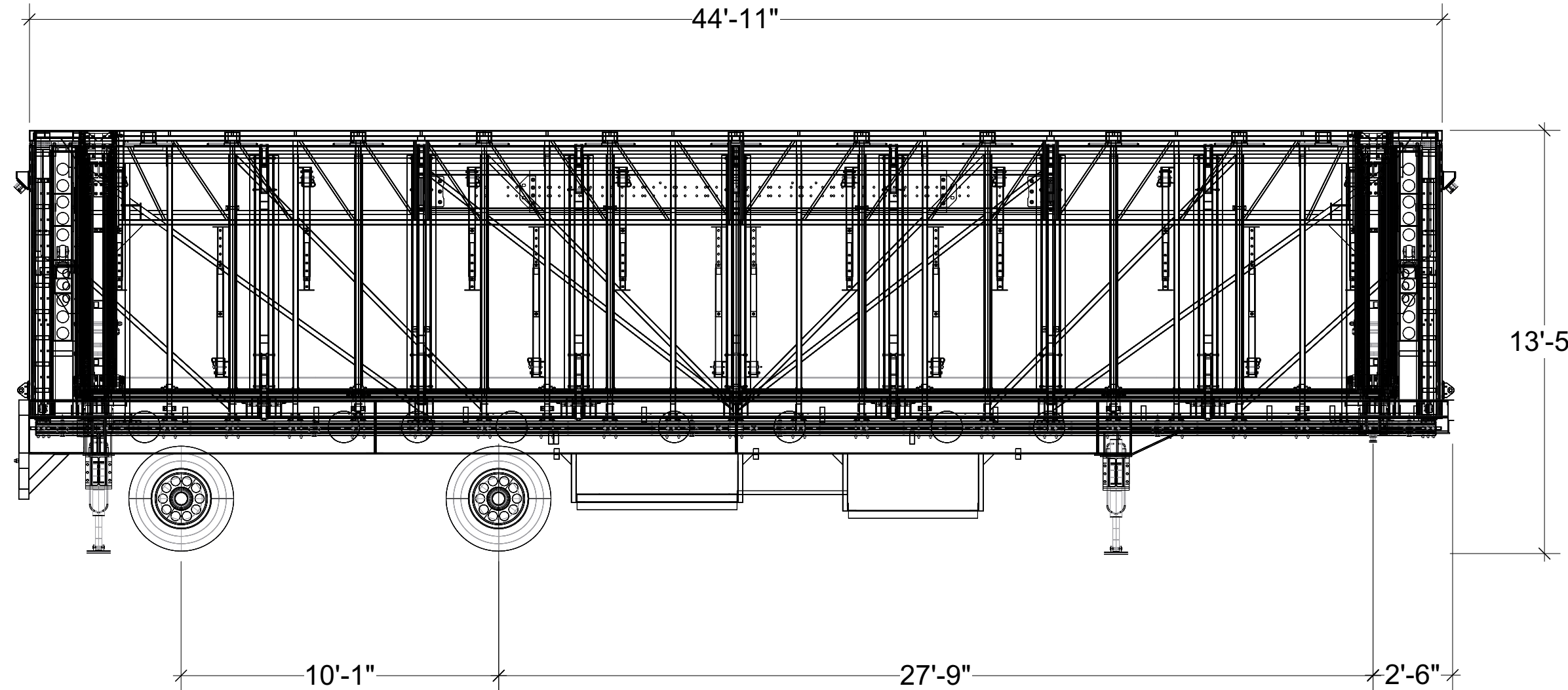
**THESE WIND SPEEDS ARE MODIFIED WITH A FACTOR OF .75 FOR USE DURATIONS OF LESS THAN 6 WEEKS, IN ACCORDANCE WITH  
ANSI E1.21 AND ASCE 37. EQUIVALENT DESIGN SPEEDS = 67.5 MPH SERVICE LEVEL / 86 MPH ULTIMATE LEVEL**



# APEX STAGES GEN3 4240

## UNFOLDING THE POSSIBILITIES

## TRAILER VIEW

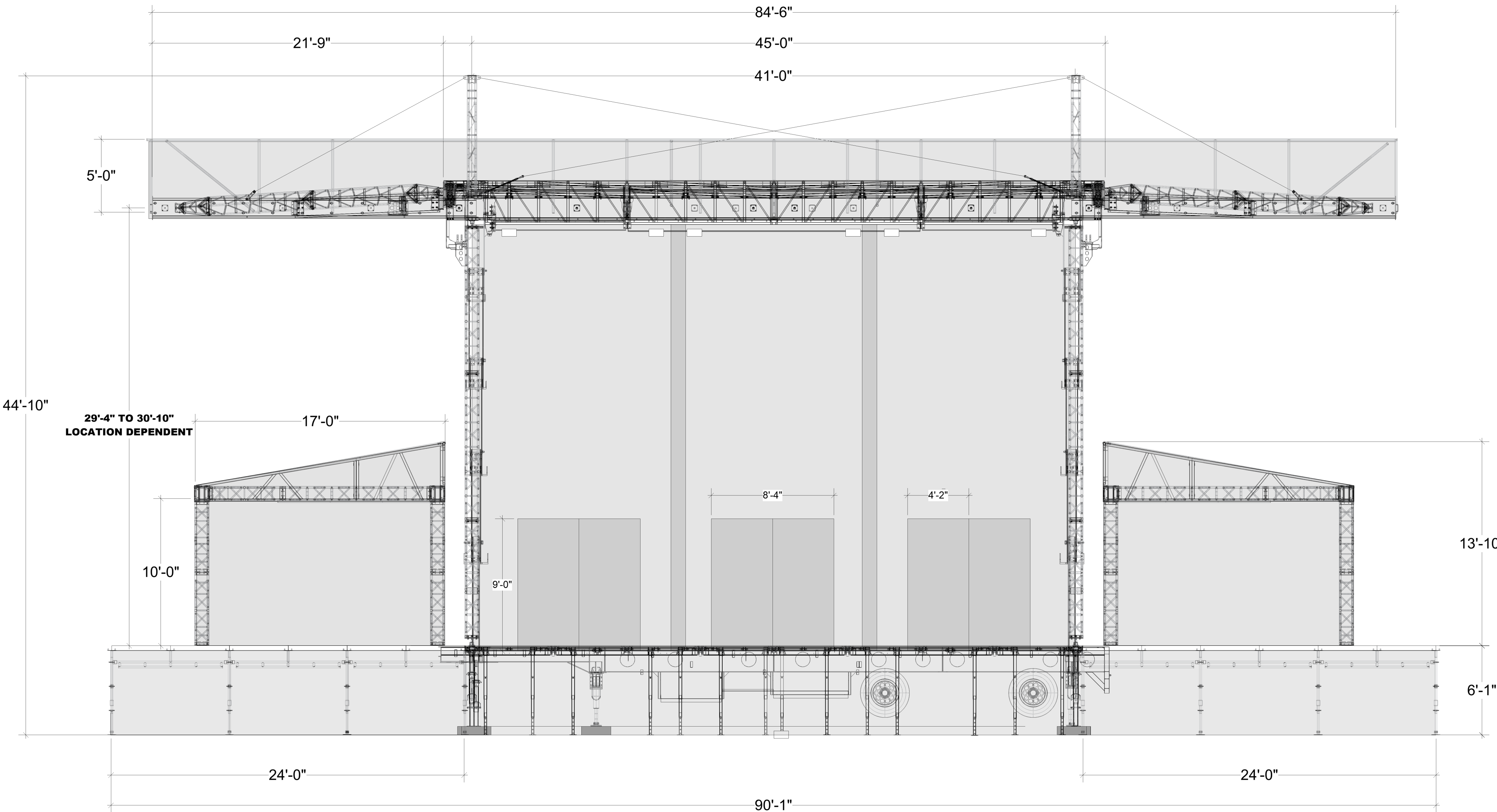


**TOTAL WEIGHT EMPTY: 52,000LBS**  
**TOTAL WEIGHT WITH ALL ADDS: 58,000LBS**  
**TOTAL WEIGHT ON KINGPIN: 18,500LBS**  
**ESTIMATED WEIGHT OF SINGLE SLEEPER TRACTOR, FUEL, DRIVER: 21,000LBS**  
**GROSS WEIGHT WITH TRACTOR 79,000LBS**  
**STANDARD "CALIFORNIA SPLIT COMPLIANT"**

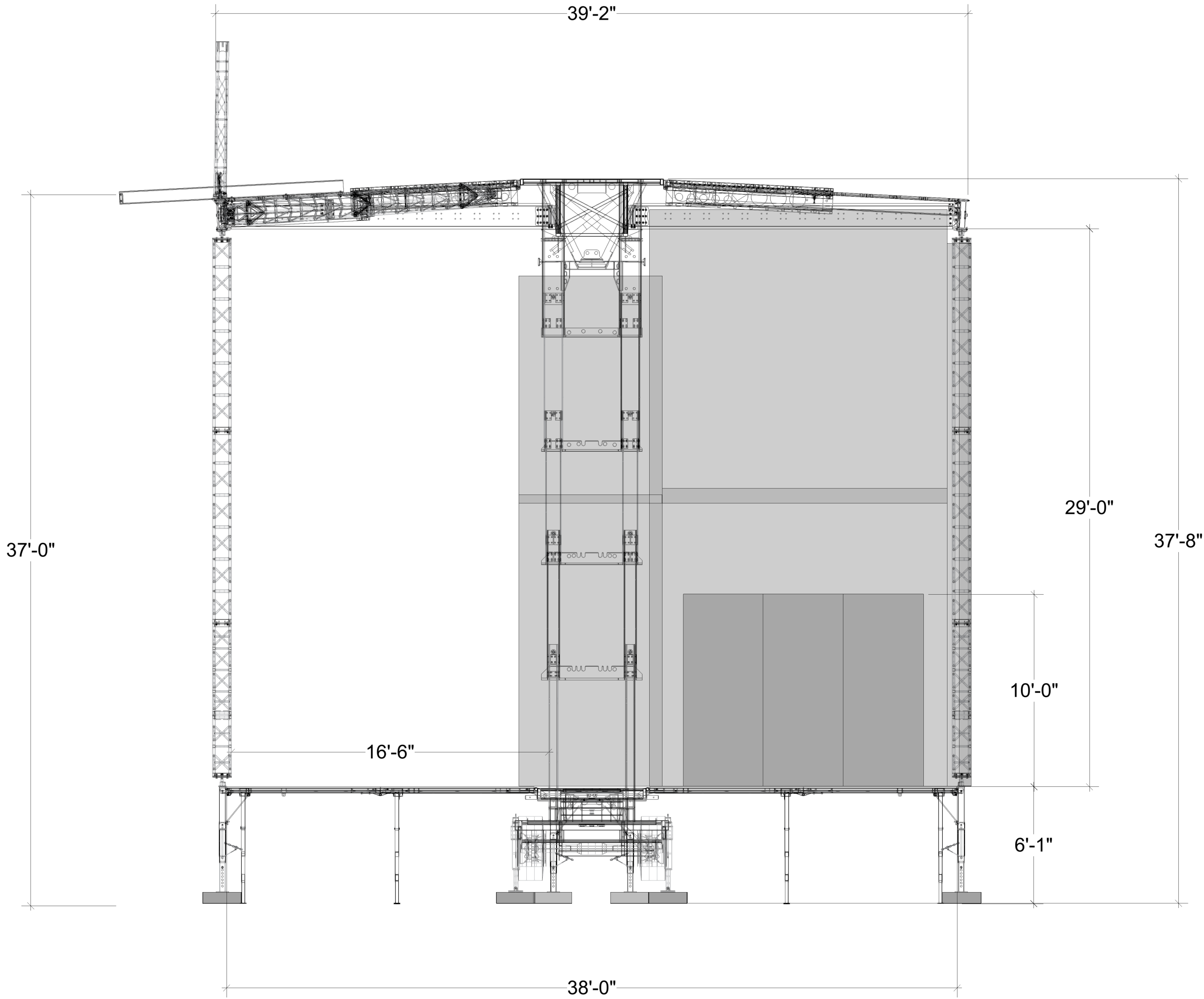
# APEX STAGES GEN3 4240

UNFOLDING THE POSSIBILITIES

"BEAST MODE" WITH COVERED WORK WINGS  
FRONT VIEW





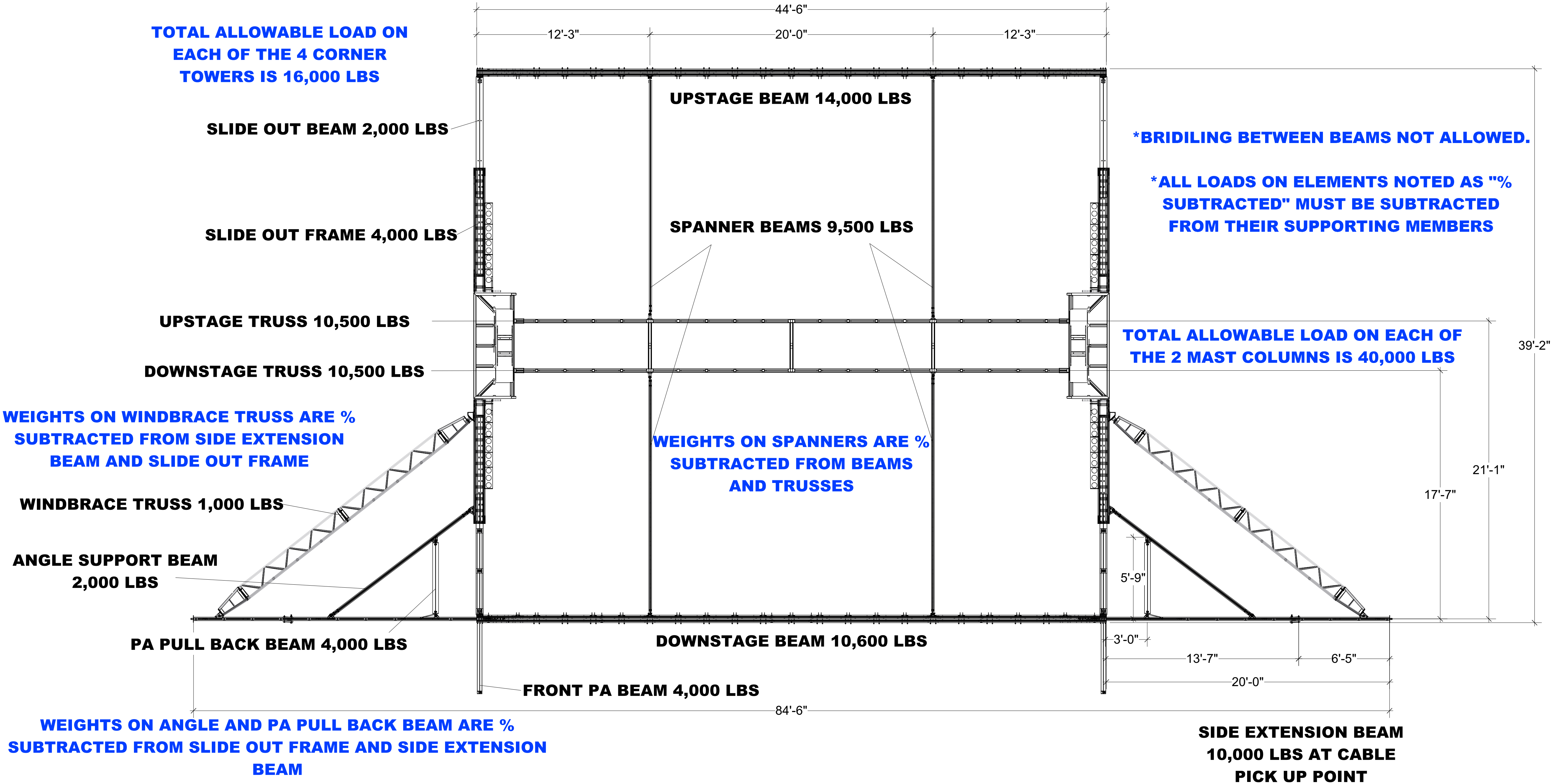




# APEX STAGES GEN3 4240

UNFOLDING THE POSSIBILITIES

"BEAST MODE" TOP VIEW  
DIMENSIONS AND WEIGHTS

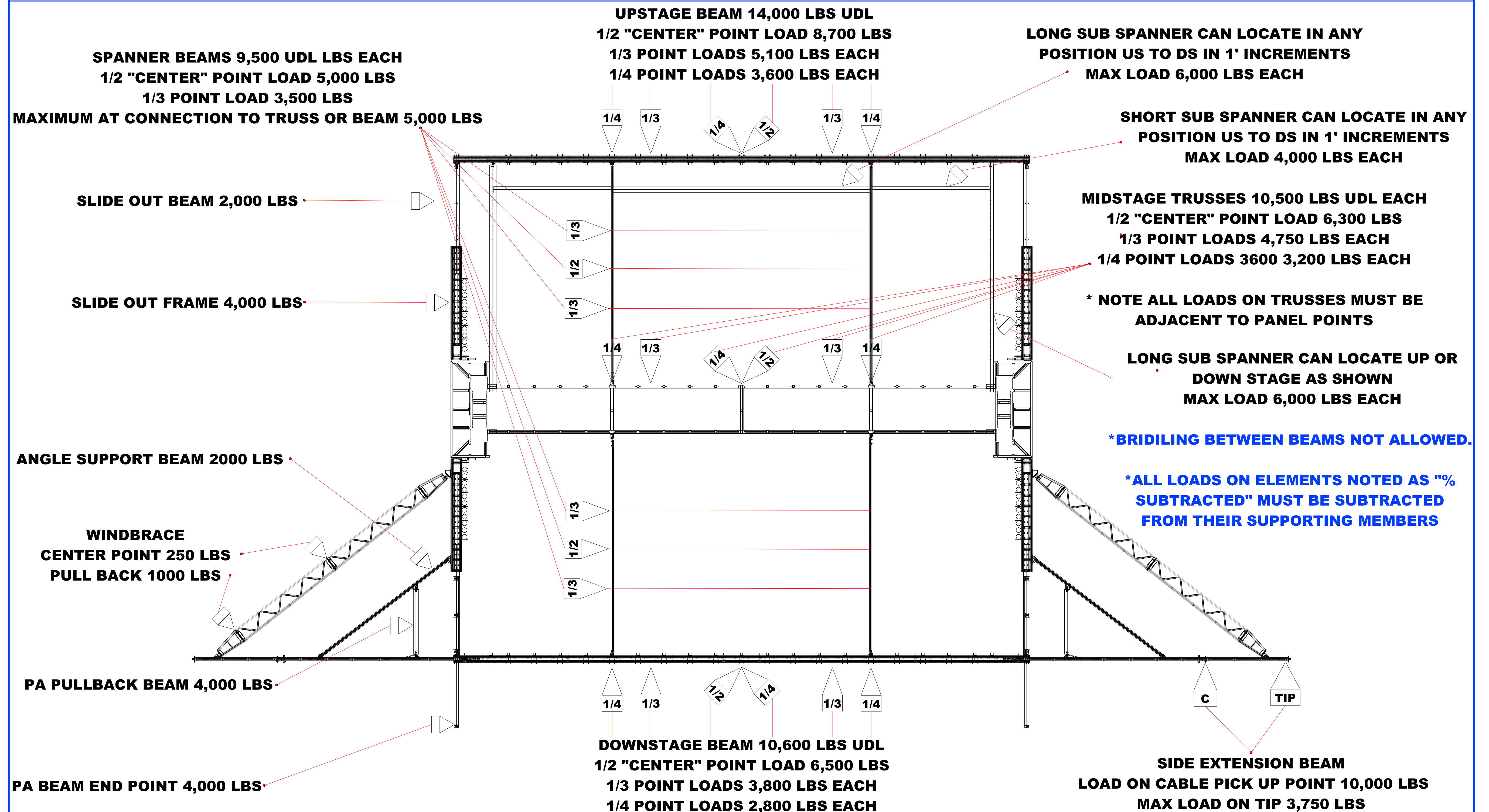


**APEX 4240 GEN 3 DIMENSIONS, AND WIEGHTS**  
**TOTAL WEIGHT CAPACITY OF ROOF STRUCTURE 97,600 LBS**  
**TOTAL WEIGHT CAPCITY OF COLUMNS AND TOWERS IS 144,000 LBS**

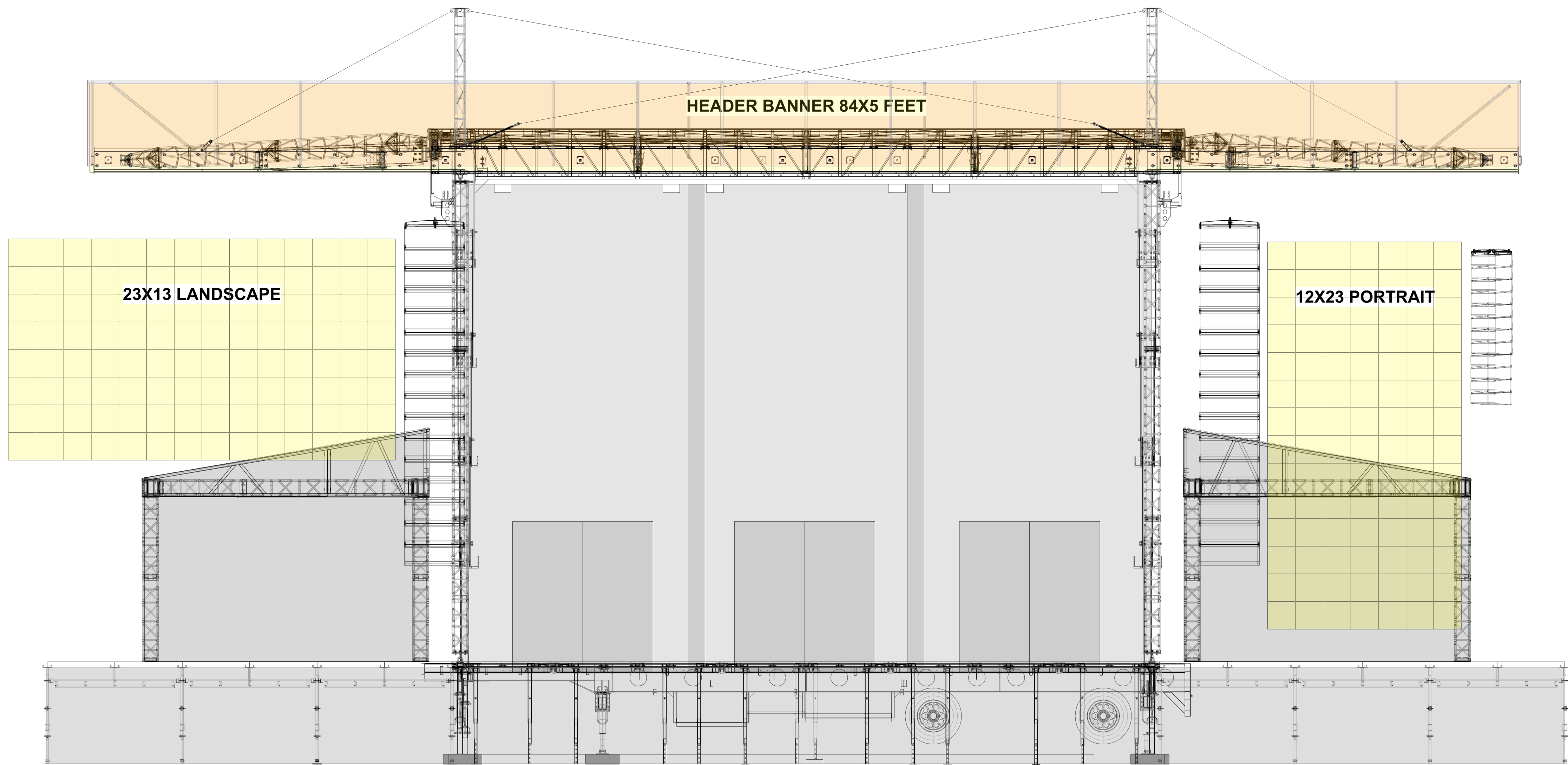
# APEX STAGES GEN3 4240

UNFOLDING THE POSSIBILITIES

"BEAST MODE" POINT LOADS ON BEAMS



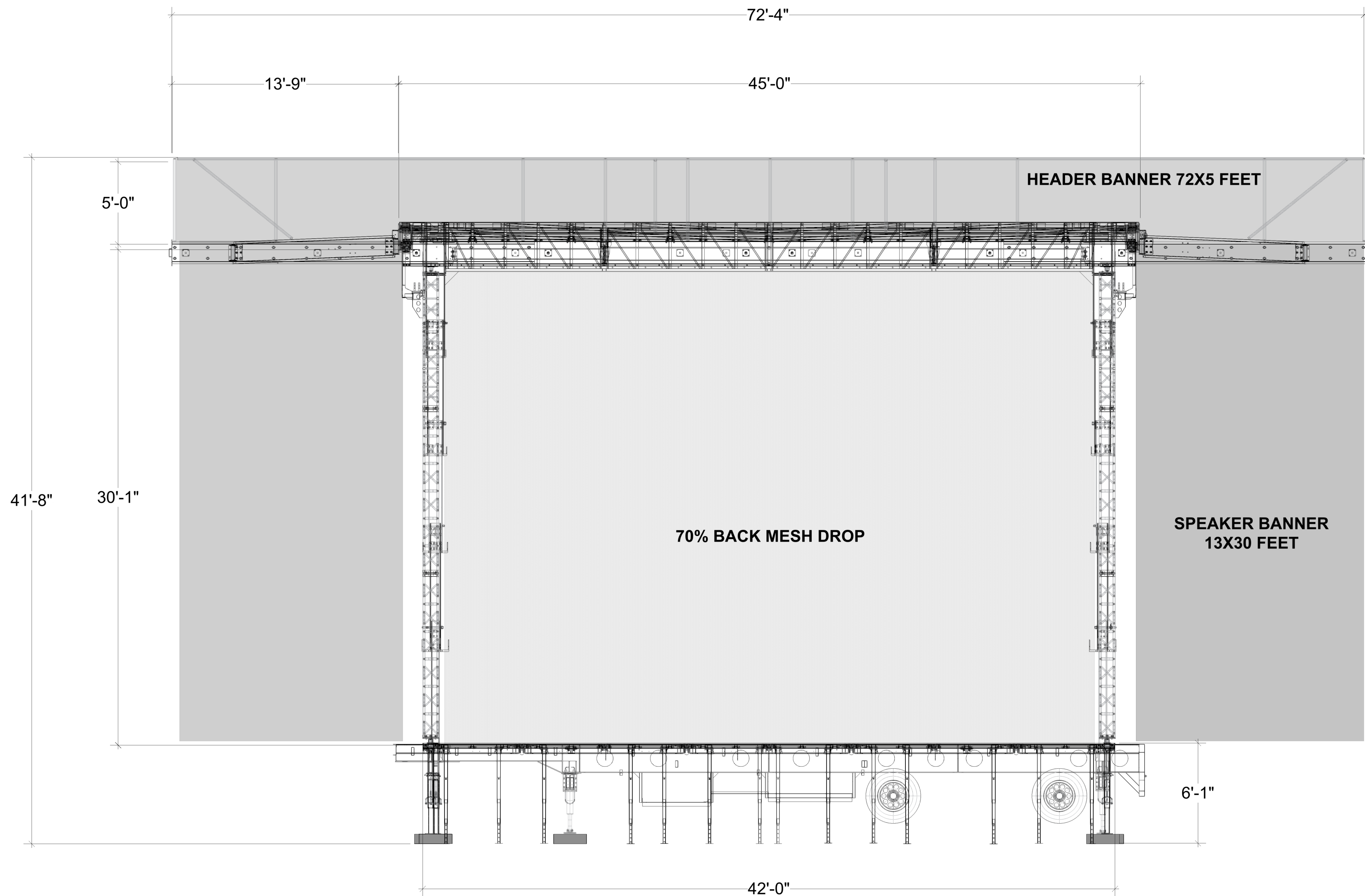


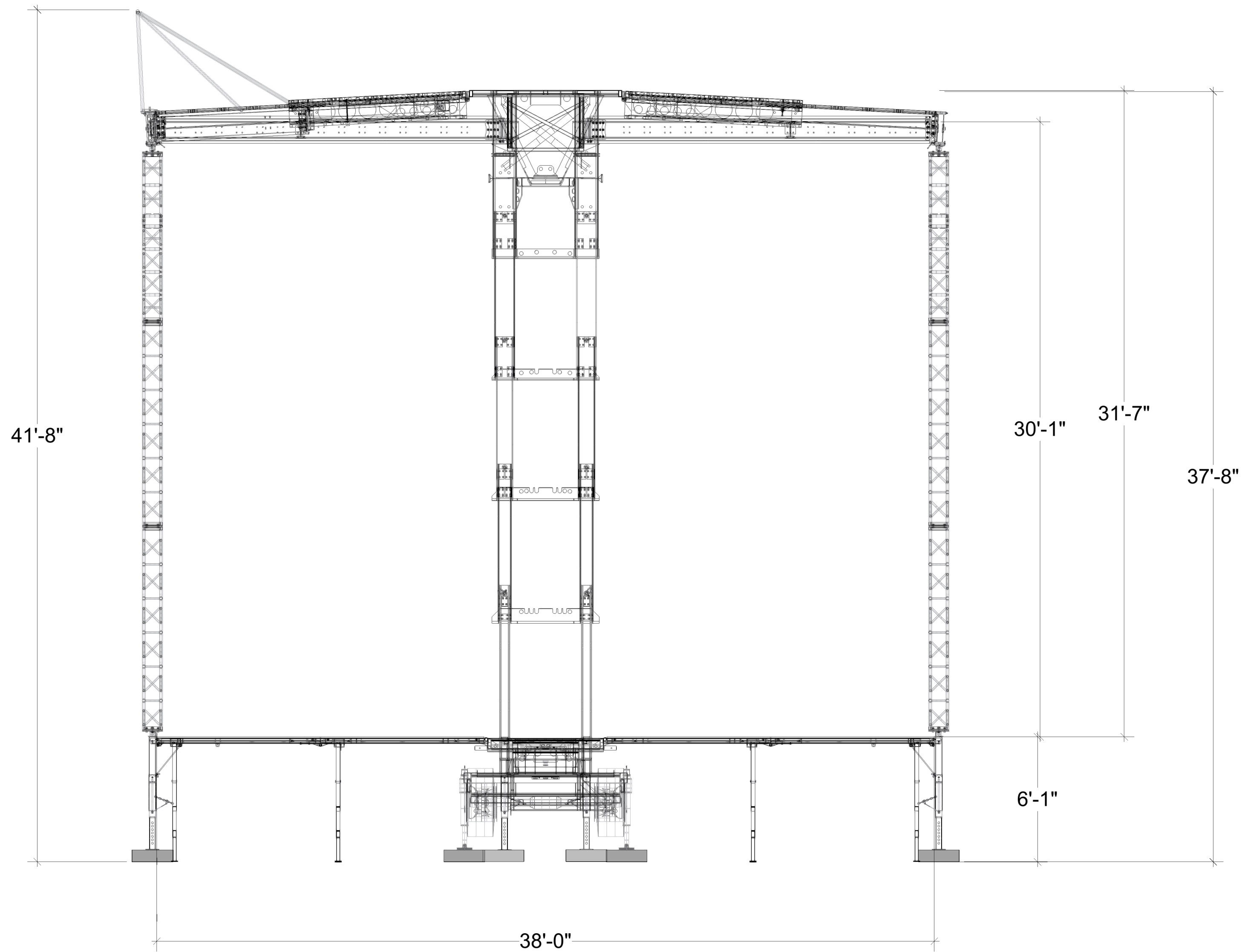


**EXAMPLE #1**  
**PA ON FRONT HANG POINTS, LANDSCAPE**

**EXAMPLE #2**  
**PA HANG ON SIDE SLIDE OUT, PORTRAIT, OUTFILLS, OUTFILLS**





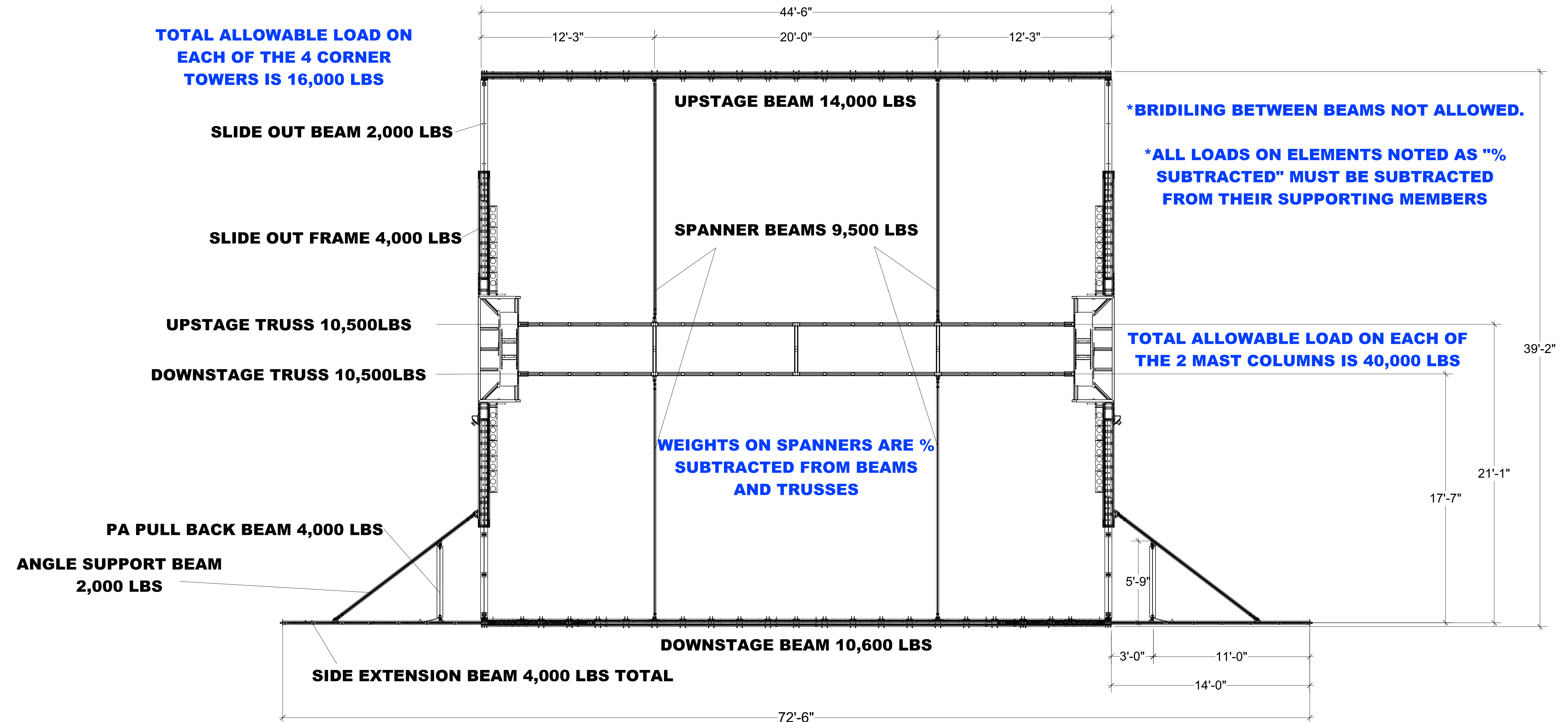




# APEX STAGES GEN3 4240

UNFOLDING THE POSSIBILITIES

"BASIC MODE EXTENDED" TOP VIEW  
DIMENSIONS AND WEIGHTS



**WEIGHTS ON ANGLE AND PA PULL BACK BEAM  
ARE % SUBTRACTED FROM SLIDE OUT FRAME  
AND SIDE EXTENSION BEAM**

## APEX 4240 GEN 3 DIMENSIONS, AND WIEGHTS

**TOTAL WEIGHT CAPACITY OF ROOF STRUCTURE: 77,600 LBS**

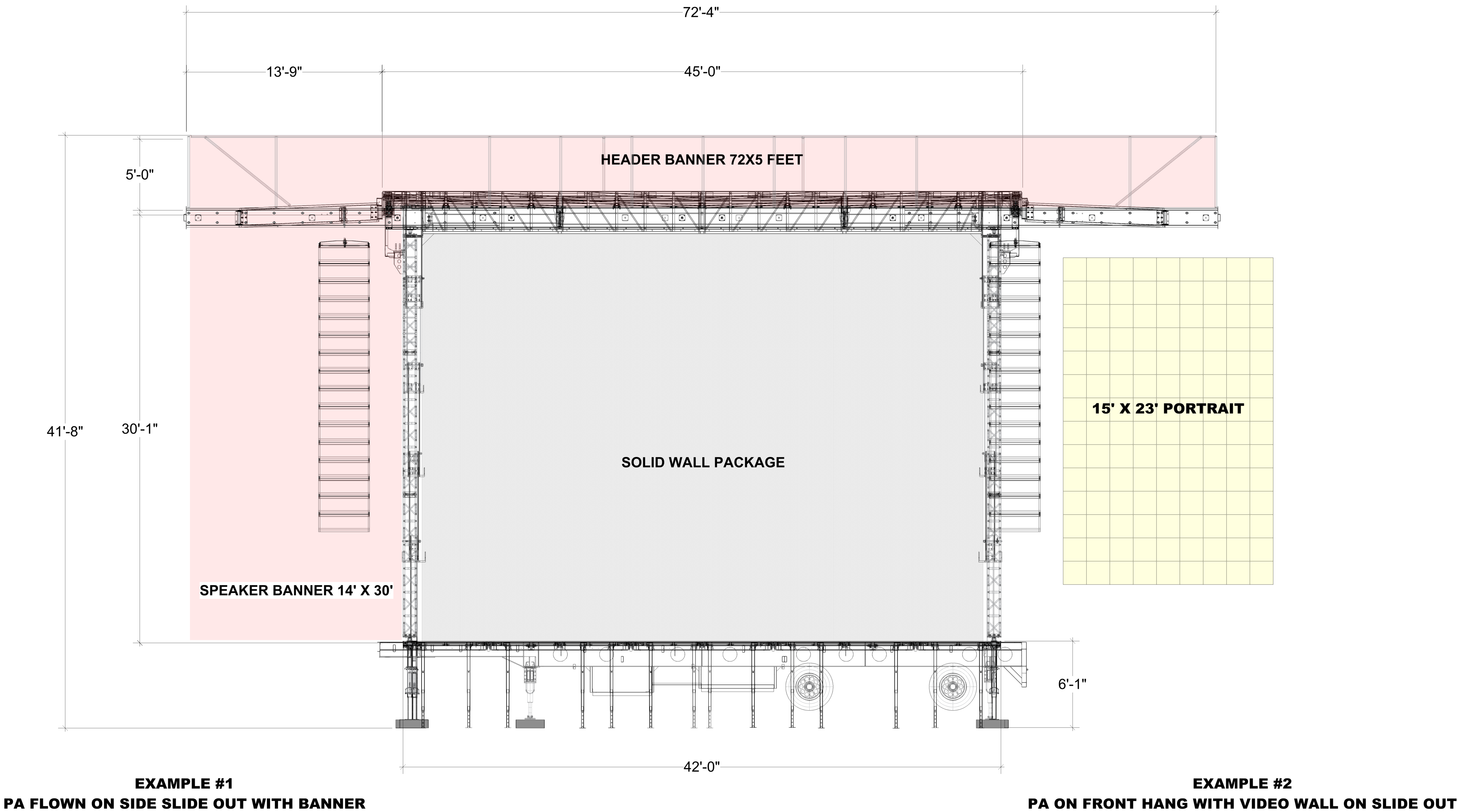
**TOTAL WEIGHT CAPCITY OF COLUMNS AND TOWERS IS 144,000 LBS**

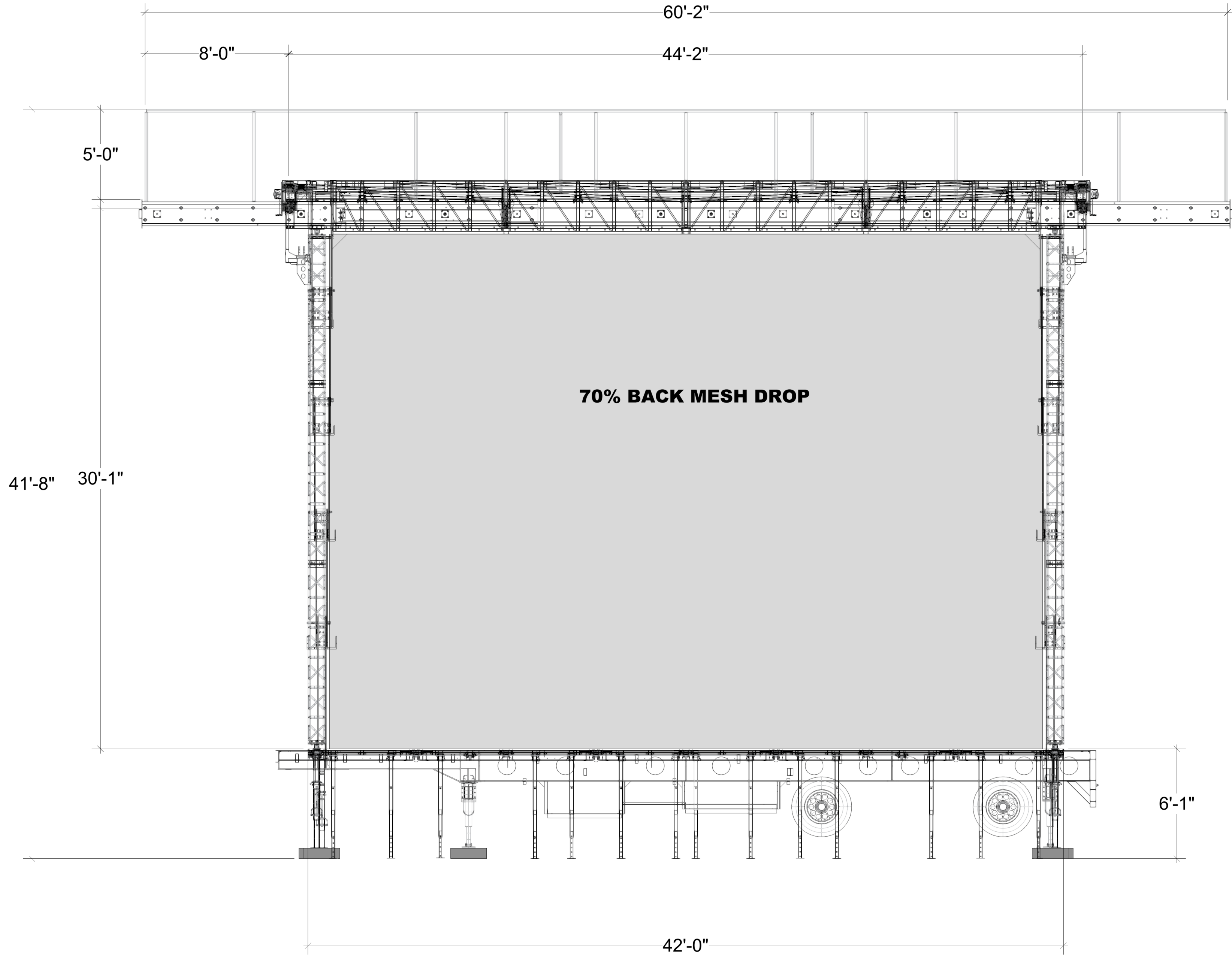


# APEX STAGES GEN3 4240

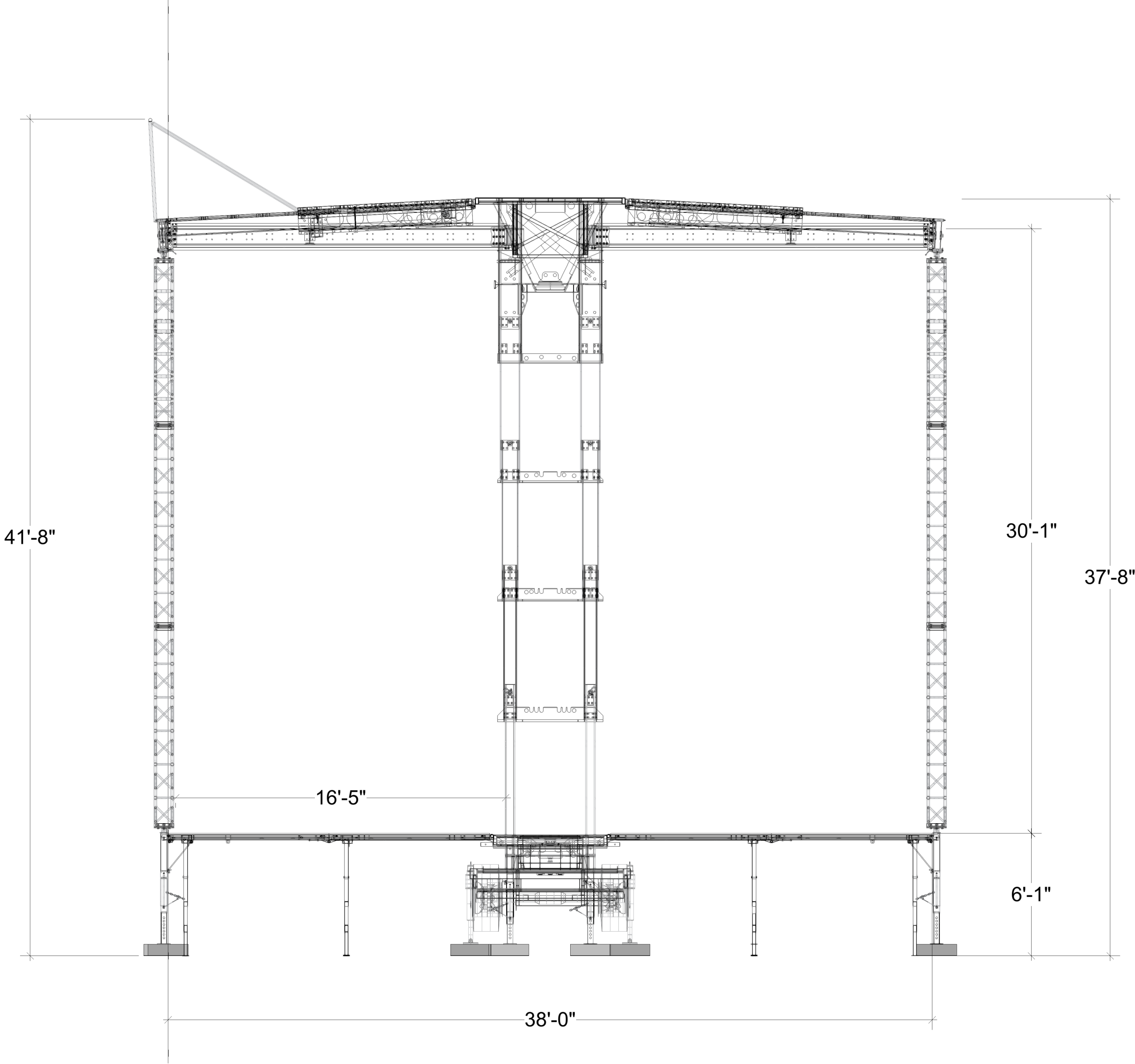
UNFOLDING THE POSSIBILITIES

"BASIC MODE EXTENDED" OTHER CONFIGURATIONS AND OPTIONS











# APEX STAGES GEN3 4240

UNFOLDING THE POSSIBILITIES

"BASIC MODE" TOP VIEW  
DIMENSIONS AND WEIGHTS

TOTAL ALLOWABLE LOAD ON  
EACH OF THE 4 CORNER  
TOWERS IS 16,000 LBS

SLIDE OUT BEAM 2,000 LBS

SLIDE OUT FRAME 4,000 LBS

UPSTAGE TRUSS 10,500 LBS

DOWNSTAGE TRUSS 10,500 LBS

UPSTAGE BEAM 14,000 LBS

SPANNER BEAMS 9,500 LBS

WEIGHTS ON SPANNERS ARE %  
SUBTRACTED FROM BEAMS  
AND TRUSSES

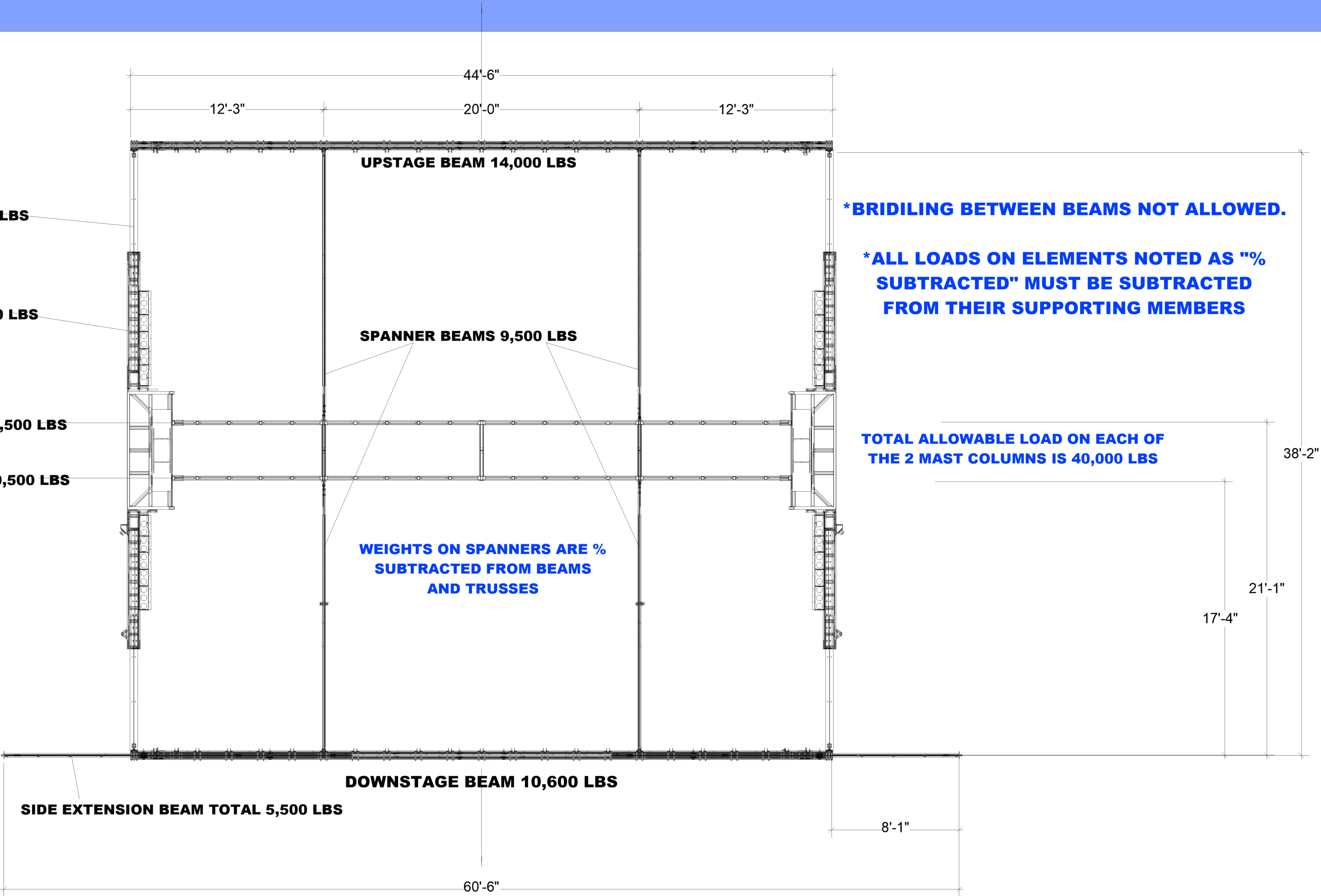
DOWNSTAGE BEAM 10,600 LBS

SIDE EXTENSION BEAM TOTAL 5,500 LBS

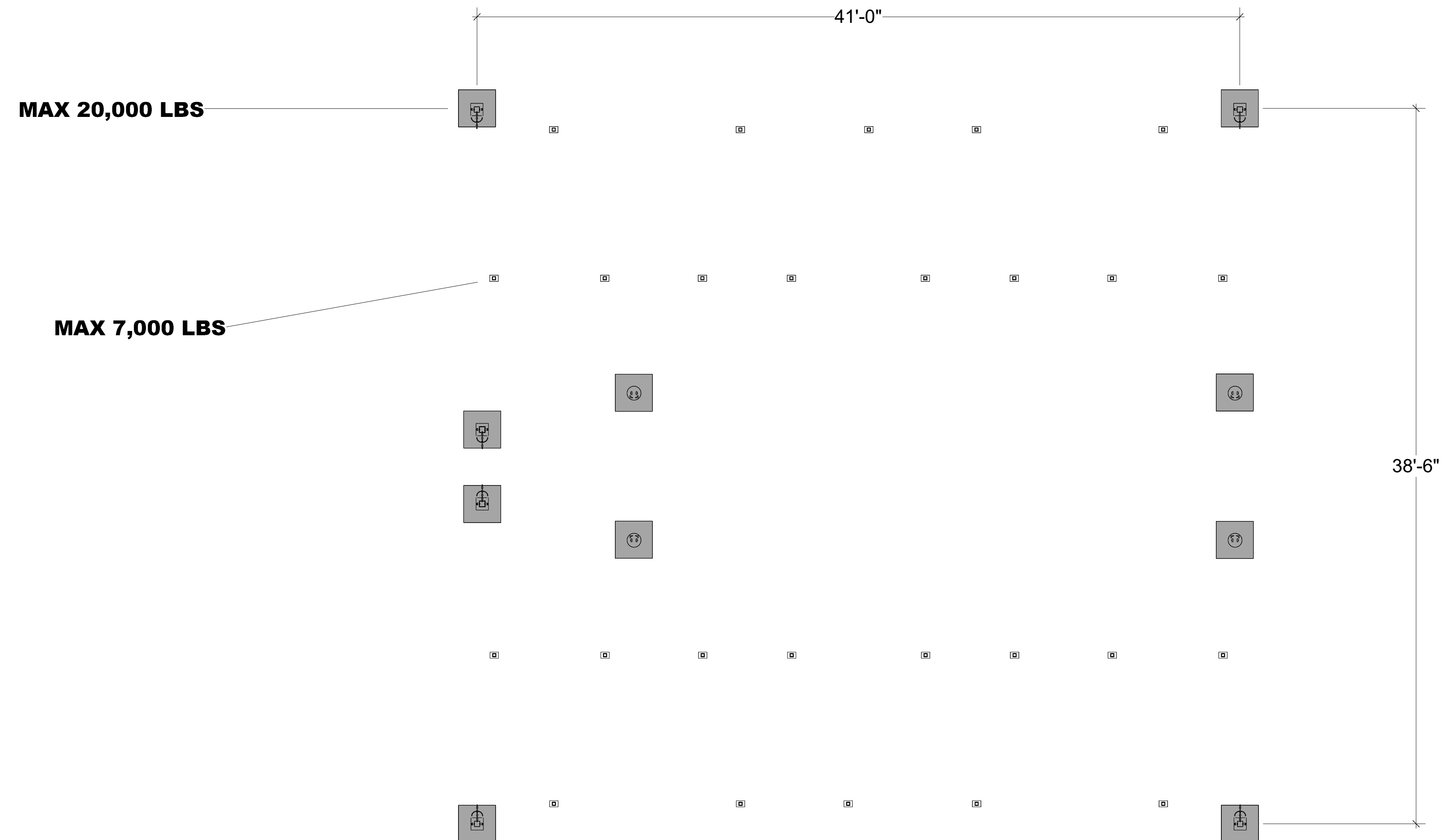
\*BRIDILING BETWEEN BEAMS NOT ALLOWED.

\*ALL LOADS ON ELEMENTS NOTED AS "%  
SUBTRACTED" MUST BE SUBTRACTED  
FROM THEIR SUPPORTING MEMBERS

TOTAL ALLOWABLE LOAD ON EACH OF  
THE 2 MAST COLUMNS IS 40,000 LBS



**APEX GEN3 DIMENSIONS AND WEIGHTS**  
**TOTAL WEIGHT CAPACITY OF ROOF STRUCTURE IS 80,600 LBS**  
**TOTAL WEIGHT CAPACITY OF COLUMNS AND TOWERS 148,000 LBS**



**SHOWN IS MAX WEIGHTS ALLOWABLE AS PER ENGINEERING**  
**TOTAL GROSS WEIGHT OF STRUCTURE IS 56,000 LBS TO BE SPREAD OUT ON POINTS SHOWN**  
**ADDITIONAL WEIGHT WOULD BE DETERMINED WHEN PRODUCTION FIGURES ARE ADDED IN.**