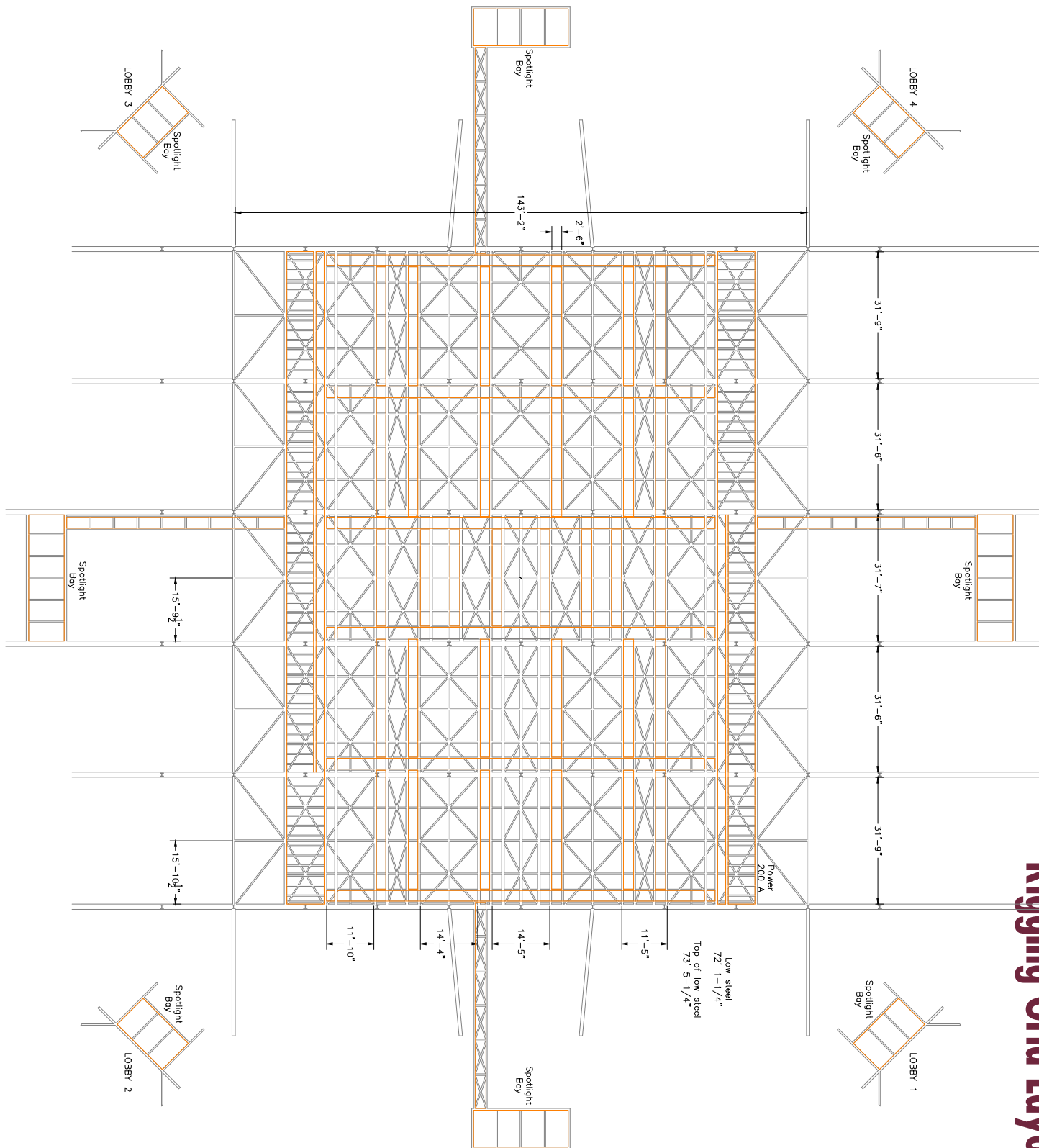




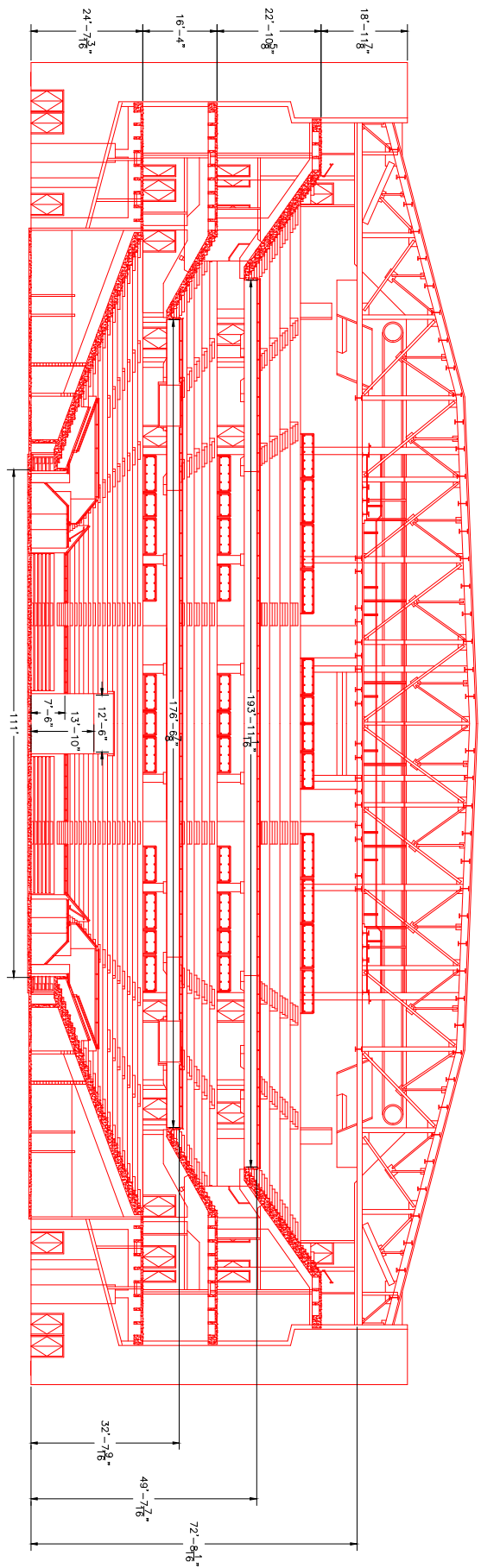
2019 - 2020
TECH PACK

Rigging Grid	3
Cross Sections	4-5
Roof Truss Load Cases.....	6-9
Batten Schedule.....	10
Arena Information.....	11
Building Concert Configuration / Power locations	12
Building Basketball Configuration	13
Spot Locations	14
Pyro And Flame Procedures	15
Bus and Truck Parking Example	16
Available Equipment	17
Arena Contact Sheet.....	18

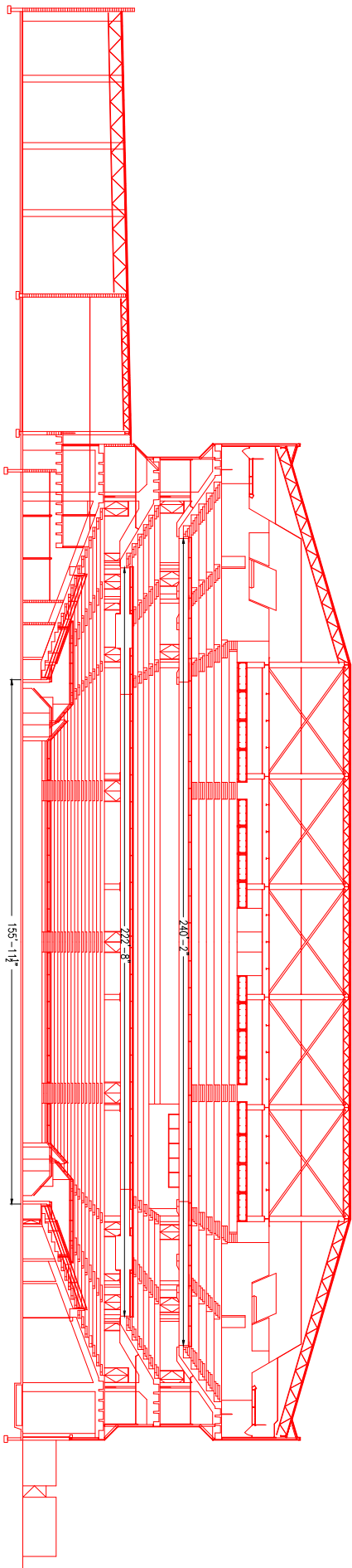
Rigging Grid Layout



Building Cross Section



Building Cross Section



BSU ARENA ROOF TRUSS

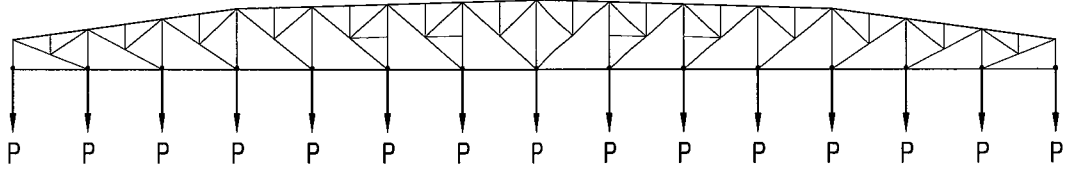
LOADING WITHOUT THE SCOREBOARD, THE
WINCH, AND THE FALL PROTECTION CONSIDERED

↑ SYMBOL DENOTES ADDITIONAL
LOAD APPLIED IN KIPS (1000
LBS.) FOR SPECIAL EVENTS
↓ P

LOAD CASES TRUSS CONFIG. FOR ILLUSTRATION ONLY: FIELD VERIFY

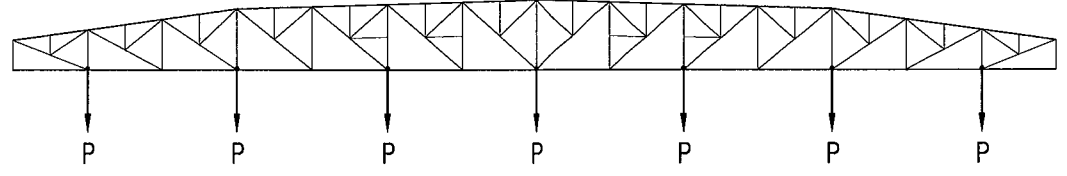
A:

MAX. P= 4 KIPS
(LOAD AT EACH
PANEL POINT)



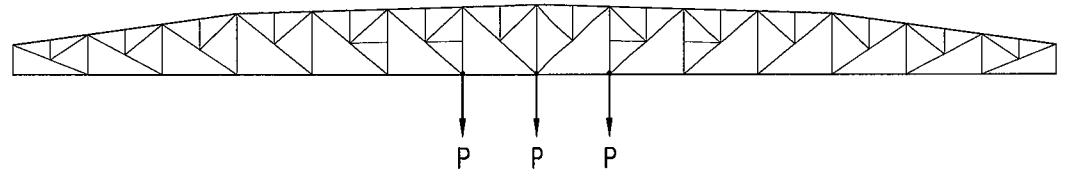
B:

MAX. P= 8 KIPS
(LOAD AT EVERY
OTHER PANEL POINT)



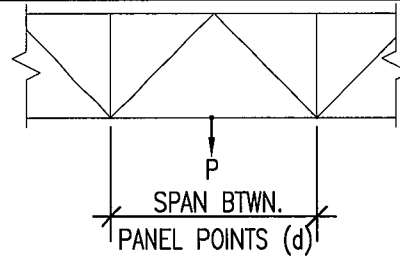
C:

MAX. P= 15 KIPS
(LOAD AT ANY
THREE PANEL POINTS)



D:

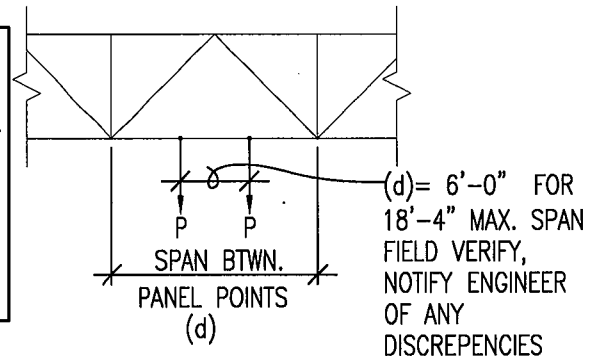
MAX. P= 4 KIPS
SINGLE POINT LOAD
PLACED ANYWHERE
ALONG SPAN (d)



E:

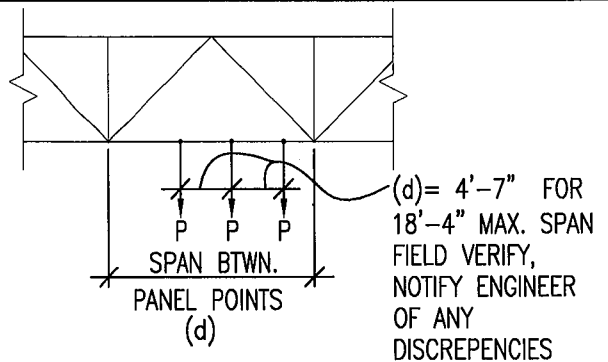
MAX. P= 3 KIPS
TWO POINT LOADS
PLACED ANYWHERE
ALONG SPAN (d)
LOADS SPACED AT
25% OF (d) APART

NOTE FOR CASES D, E, & F:
1.) PROPORTION LOAD BACK TO PANEL POINTS AND CHECK AGAINST ALLOWABLE PANEL POINT LOAD CASES
2.) NOTIFY ENGINEER IF A DIFFERENT VARIATION OF THIS LOADING PATTERN IS TO BE USED TO DETERMINE MAX. ALLOWABLE LOAD.



F:

MAX: P= 2 KIPS
THREE POINT LOADS
PLACED ANYWHERE
ALONG SPAN



NOTE: DWG'S.
NOT TO SCALE:

PROJECT: 15141.00

ARENA

BOISE, IDAHO

DATE: 11/10/15

BY: C.H.

SHEET NO.

1
OF 4

BSU ARENA ROOF TRUSS

LOADING WITHOUT THE SCOREBOARD, THE
WINCH, AND THE FALL PROTECTION CONSIDERED

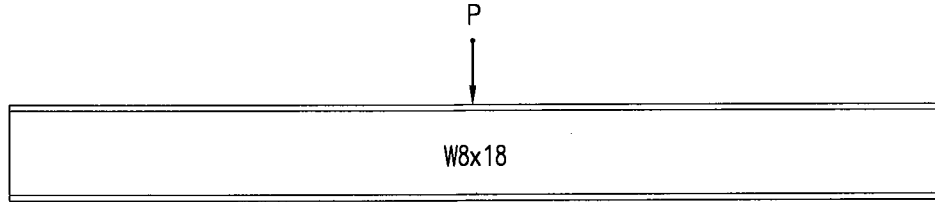
↓ SYMBOL DENOTES ADDITIONAL
LOAD APPLIED IN KIPS (1000
LBS.) FOR SPECIAL EVENTS

LOAD CASES

TRUSS CONFIG. FOR ILLUSTRATION ONLY: FIELD VERIFY

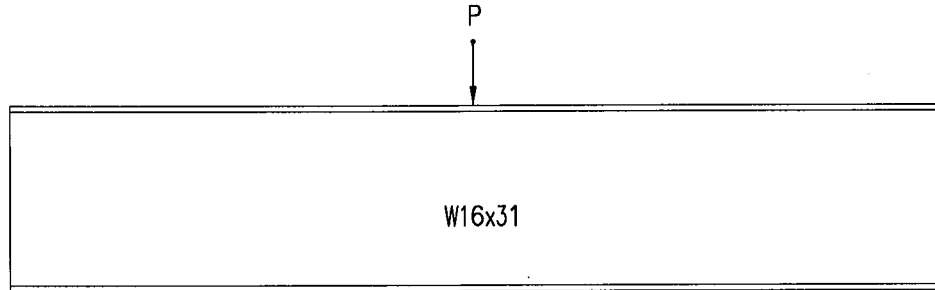
A:

MAX. P= 5.5 KIPS
IN THE MIDDLE
OF THE BEAM



B:

MAX. P= 7.5 KIPS
IN THE MIDDLE
OF THE BEAM



NOTE: THESE LOADS ARE
MAXIMUM LOADS FOR THE
BEAM. DO NOT EXCEED
THE LOADS GIVEN IN THE
TRUSS ANALYSIS ON THE
PREVIOUS TWO PAGES.

NOTE: DWG'S.
NOT TO SCALE:

Rigging Information

	PROJECT: 15141.00	DATE: 11/10/15	SHEET NO.	
	ARENA	BY: C.H.	2 OF	4
	BOISE, IDAHO			

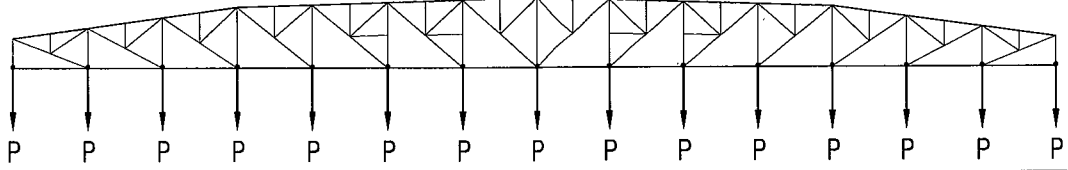
BSU ARENA ROOF TRUSS

LOADING WITH THE SCOREBOARD AND THE WINCH CONSIDERED

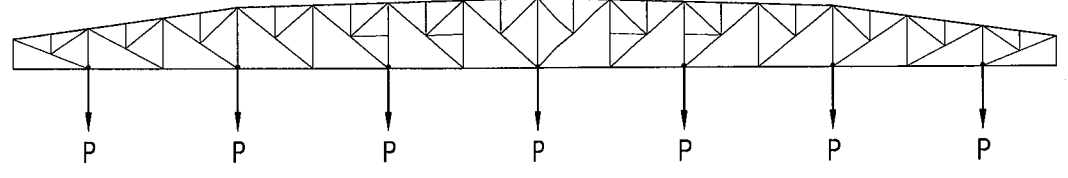
↑ SYMBOL DENOTES ADDITIONAL LOAD APPLIED IN KIPS (1000 LBS.) FOR SPECIAL EVENTS
↓ P

LOAD CASES TRUSS CONFIG. FOR ILLUSTRATION ONLY: FIELD VERIFY

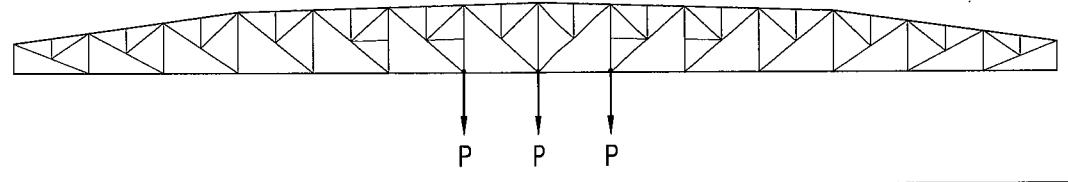
A:
MAX. P= 3 KIPS
(LOAD AT EACH
PANEL POINT)



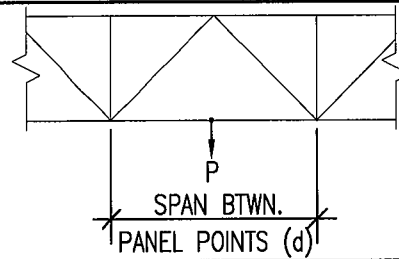
B:
MAX. P= 6 KIPS
(LOAD AT EVERY
OTHER PANEL POINT)



C:
MAX. P= 10 KIPS
(LOAD AT ANY THREE
PANEL POINTS OR LESS)

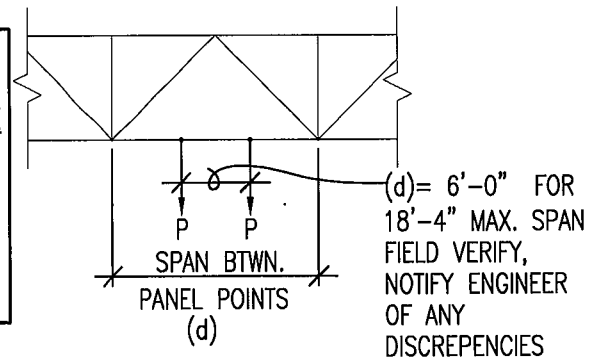


D:
MAX. P= 2.5 KIPS
SINGLE POINT LOAD
PLACED ANYWHERE
ALONG SPAN (d)



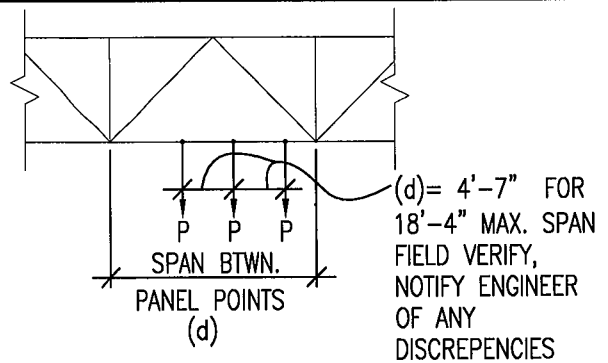
E:
MAX. P= 1.75KIPS
TWO POINT LOADS
PLACED ANYWHERE
ALONG SPAN (d)
LOADS SPACED AT
25% OF (d) APART

NOTE FOR CASES D, E, & F:
1.) PROPORTION LOAD BACK TO PANEL POINTS AND CHECK AGAINST ALLOWABLE PANEL POINT LOAD CASES
2.) NOTIFY ENGINEER IF A DIFFERENT VARIATION OF THIS LOADING PATTERN IS TO BE USED TO DETERMINE MAX. ALLOWABLE LOAD.



F:
MAX: P= 1 KIP
THREE POINT LOADS
PLACED ANYWHERE
ALONG SPAN

**NOTE: DWG'S.
NOT TO SCALE:**



Rigging Information

PROJECT: 15141.00

ARENA

BOISE, IDAHO

DATE: 11/10/15

BY: C.H.

SHEET NO.

3 / 4
OF

P:\15141-BSU-Taco Bell Arena Roof Load Analysis\02-Structural\SK3.dwg, 8:5x11, 11/11/2015 8:17:03 AM, gvondrak, 1:1:0001

BSU ARENA ROOF TRUSS

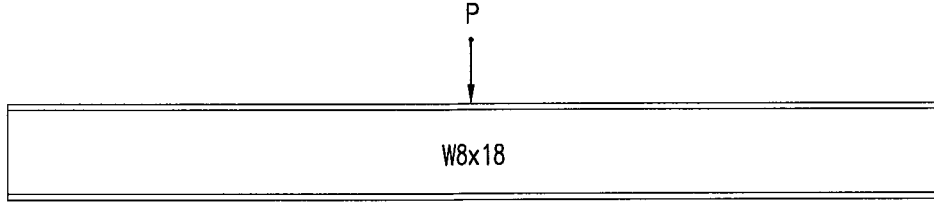
LOADING WITH THE SCOREBOARD, THE WINCH, AND THE FALL PROTECTION CONSIDERED

↓ SYMBOL DENOTES ADDITIONAL LOAD APPLIED IN KIPS (1000 LBS.) FOR SPECIAL EVENTS
P

LOAD CASES TRUSS CONFIG. FOR ILLUSTRATION ONLY: FIELD VERIFY

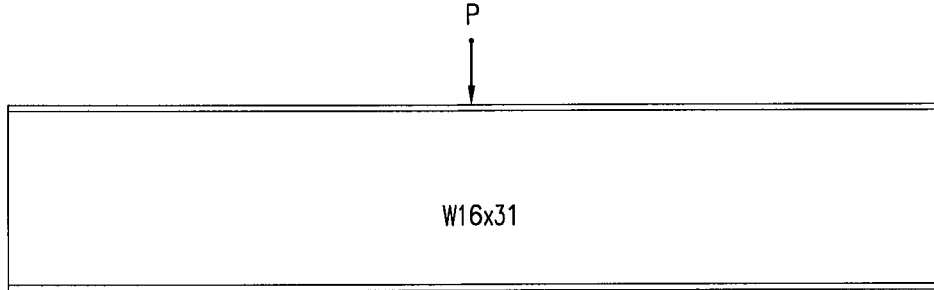
A:

MAX. P= 2.5 KIPS
IN THE MIDDLE
OF THE BEAM



B:

MAX. P= 4.5 KIPS
IN THE MIDDLE
OF THE BEAM



NOTE: THESE LOADS ARE MAXIMUM LOADS FOR THE BEAM. DO NOT EXCEED THE LOADS GIVEN IN THE TRUSS ANALYSIS ON THE PREVIOUS TWO PAGES.

NOTE: DWG'S.
NOT TO SCALE:

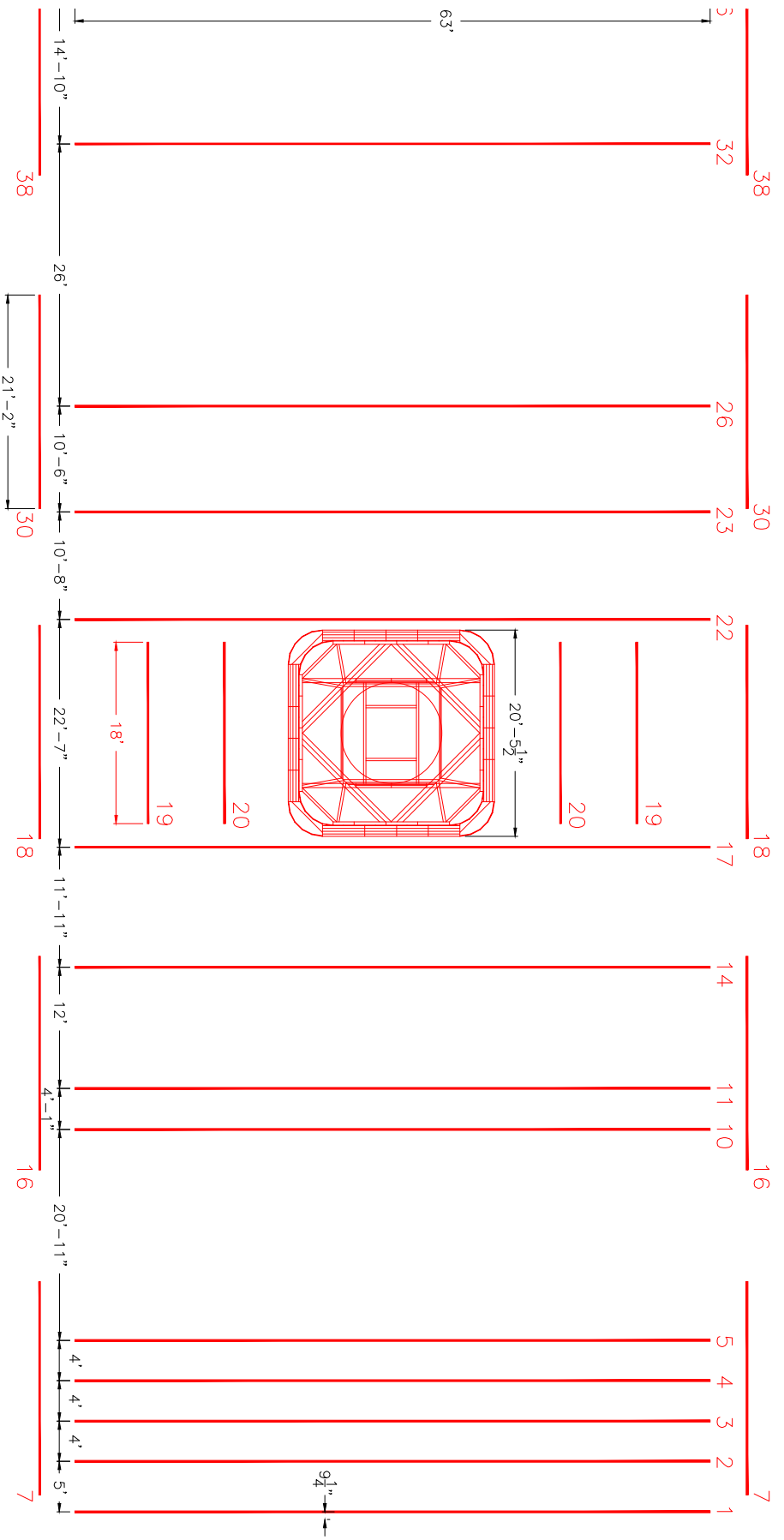
Rigging Information

	PROJECT: 15141.00	DATE: 11/10/15	SHEET NO.	
	ARENA	BY: C.H.	4 / 4	4
	BOISE, IDAHO		OF	

P:\15141-BSU-Faco-Bell Arena Roof Load Analysis\02-Structural\SK4-dwg-8-5x11, 11/11/2015 8:17:36 AM; gvondrak; 1:1:0001

Rigging Information

Battens: Max. Trim 63' 10-1/4"
 Max. Load/ea. 4,000 LBS



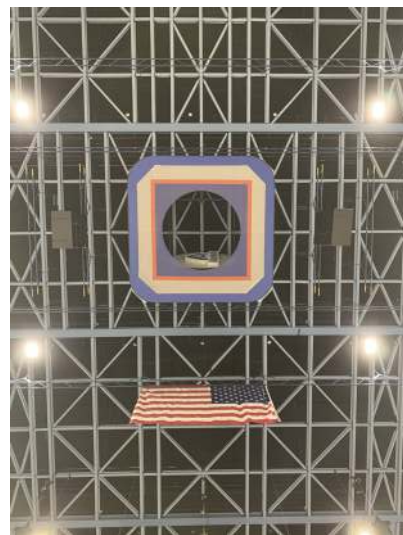
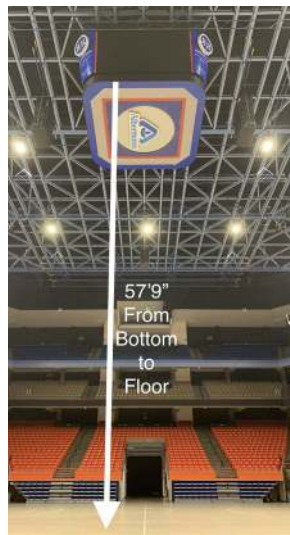
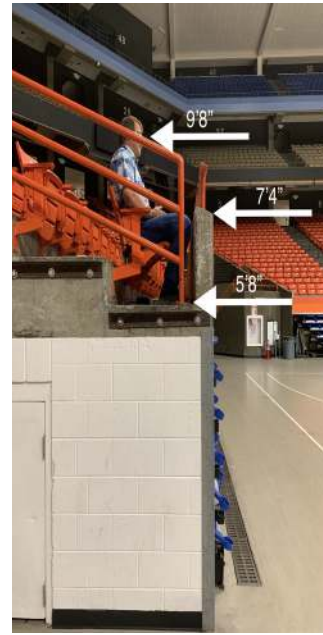
Center Hung Scoreboard
 Trim Height from Arena floor
 57' 9"

Retractable Seats



The Arena has retractable floor seating for configurations. Standard concert configuration has seats retracted to maximize floor flexibility and space. The Basketball configuration, the seats are extended for optimal fan experience.

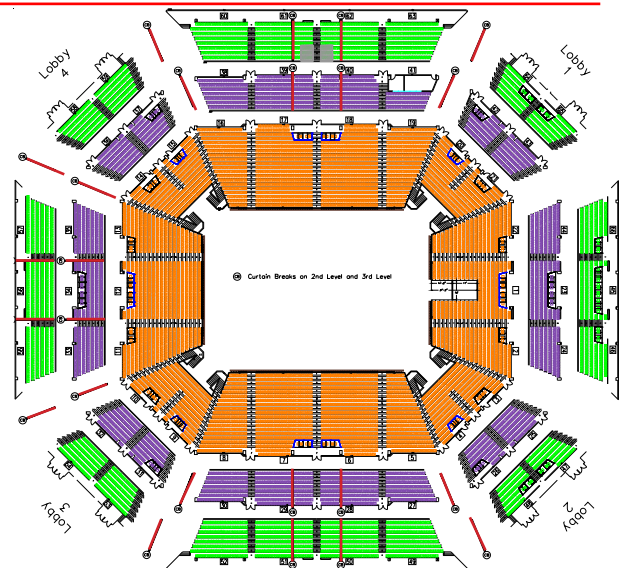
Seating Elevation



Center Cluster

At high trim the Video board is 57'9" from the arena floor. The center of the video board is hollow, with an opening on the underside providing the capability for rigging points to be placed within the board structure.

Arena Curtaining

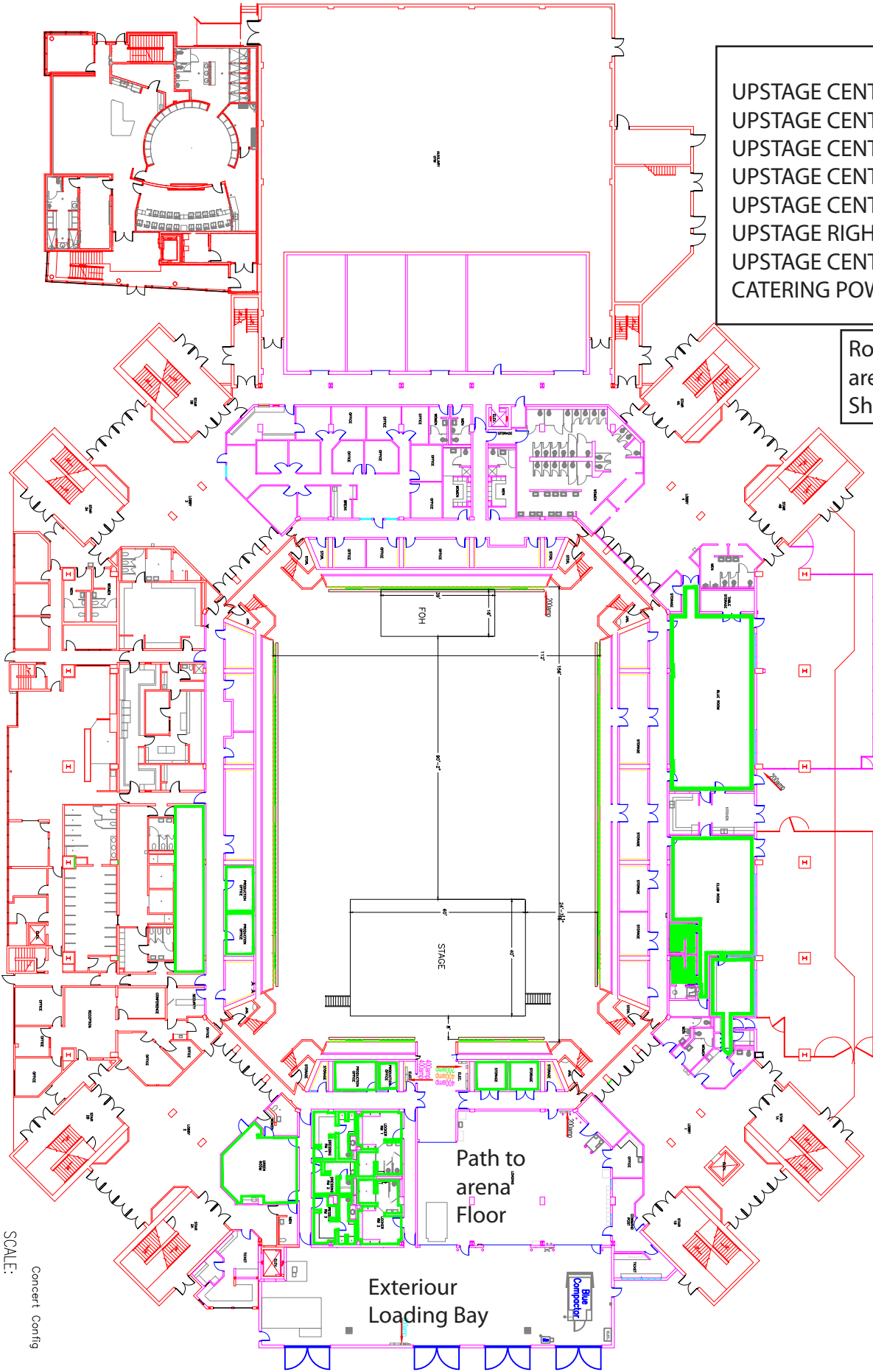


ARENA INFORMATION

UPSTAGE CENTER.....400amp
 UPSTAGE CENTER.....400amp
 UPSTAGE CENTER.....400amp
 UPSTAGE CENTER.....400amp
 UPSTAGE CENTER.....200amp
 UPSTAGE RIGHT.....200amp
 UPSTAGE CENTER.....800amp
 CATERING POWER.....200amp

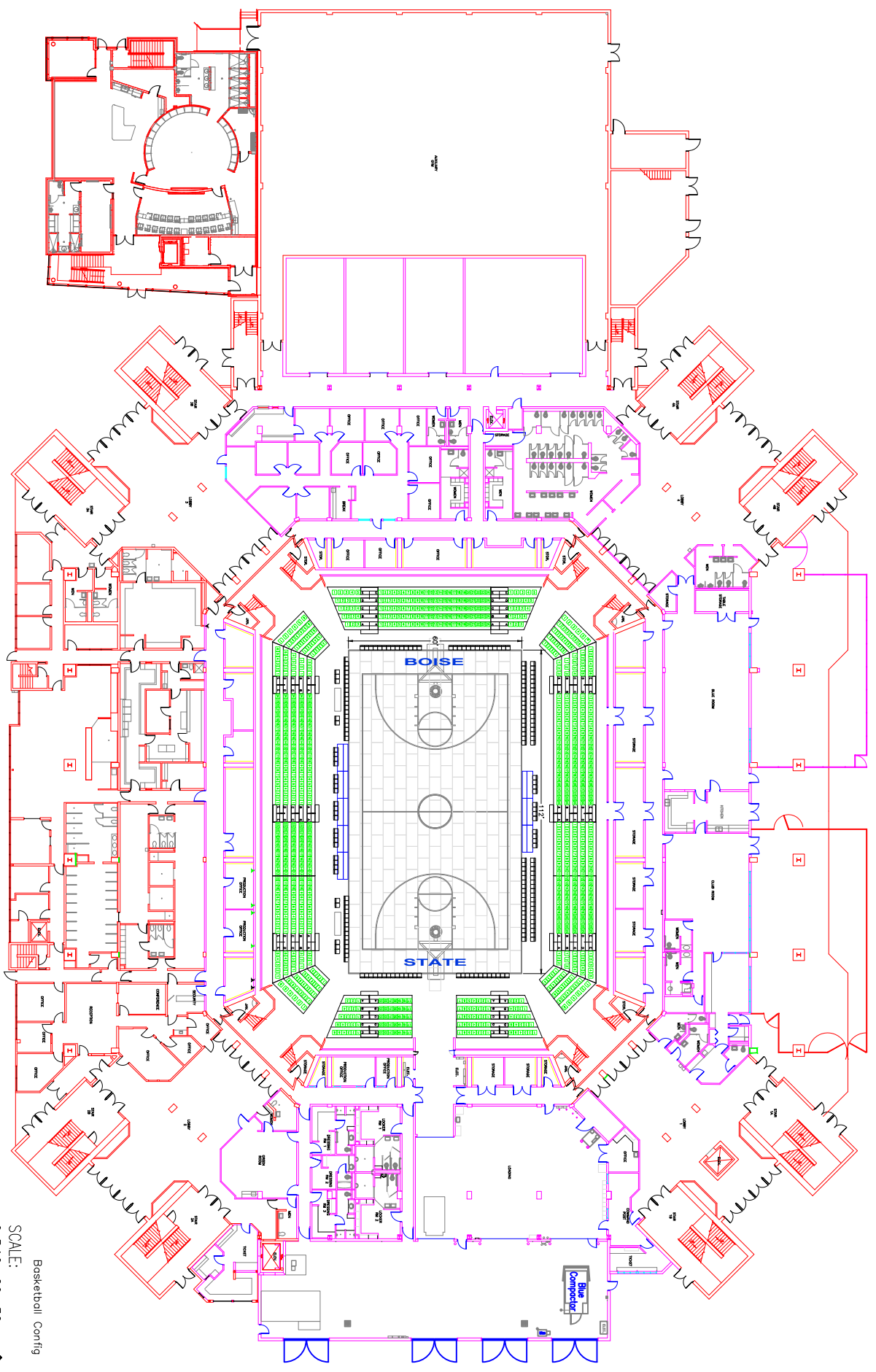
Rooms in Green
 are Available for
 Show use.

**CONCERT CONFIGURATION / POWER LOCATION
 RETRACTABLES NOT IN USE**

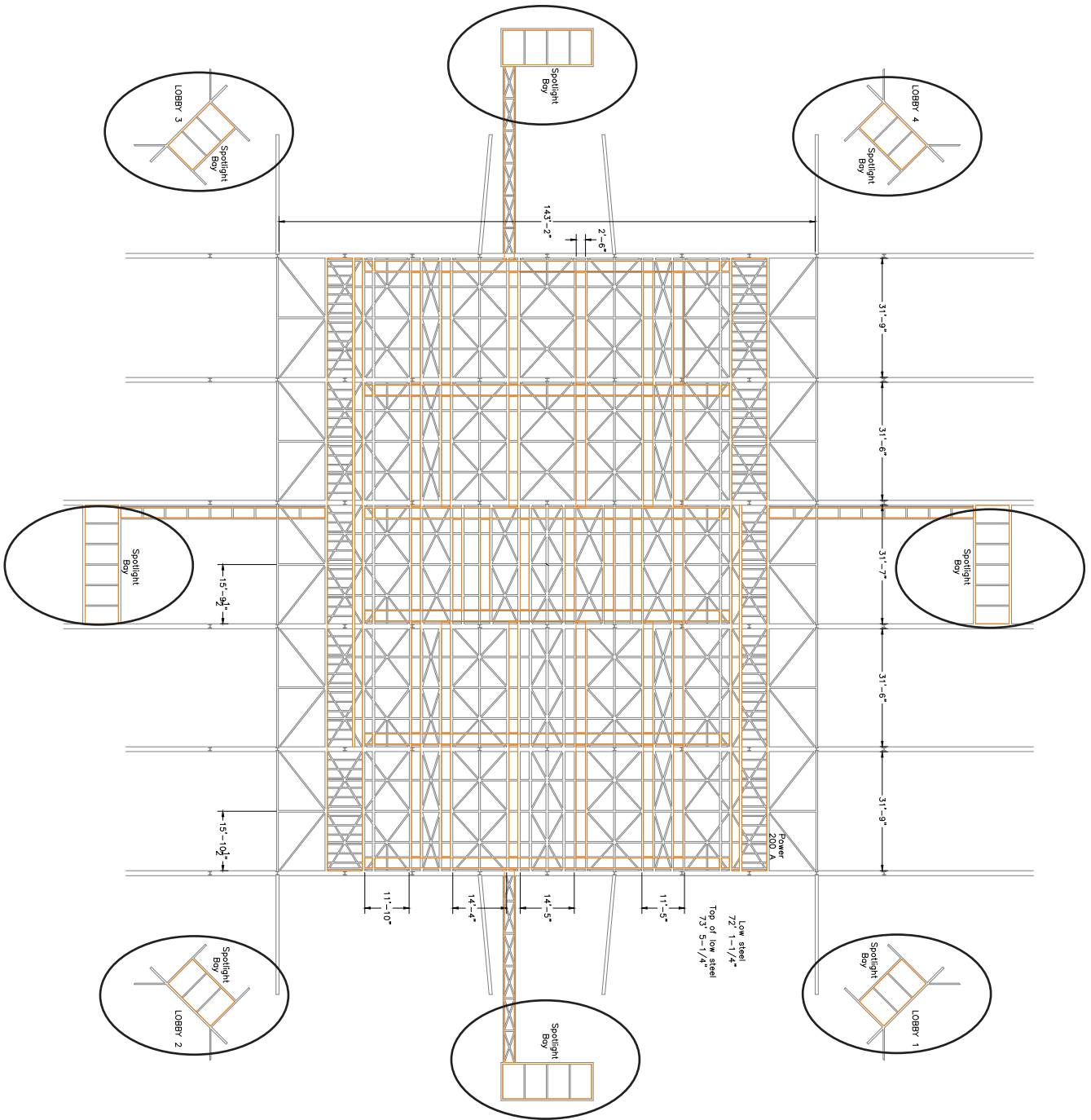
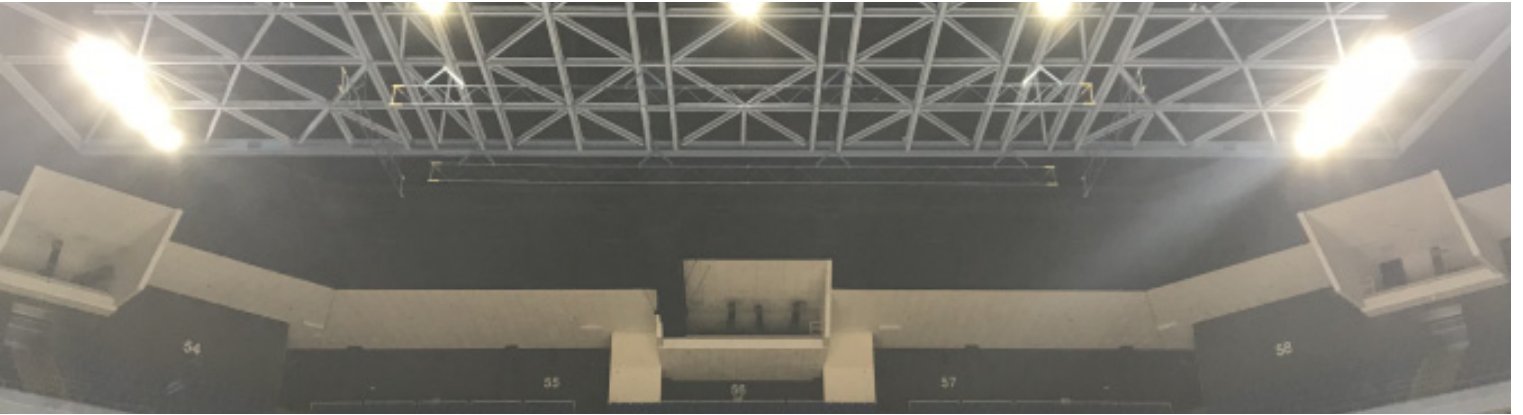


SCALE:
 0 5' 10' 20' 30'
 Concert Config

BASKETBALL CONFIGURATION RETRACTABLES IN USE



Boise State Config
 SCALE: 0.5" = 10' - 0"
 20' 30'



SPOT BAY LOCATIONS

ExtraMile Arena Pyrotechnics and Flame Effect Procedures

The Idaho State Fire Marshal's Office has sole and complete authority over ExtraMile Arena and Boise State University, (Please DO NOT contact Boise City Fire Marshal). All vendors are required to comply with 2009 edition of the International Fire Code (IFC) as adopted by the State of Idaho, and the following referenced National Fire Protection Association (NFPA) Standards:

2011 edition of NFPA 1126, Use of Pyrotechnics before a Proximate Audience
2010 edition of NFPA 1123, Code for Fireworks Display
2010 edition of NFPA 495, Explosives Code
2011 edition of NFPA 160, Standard for the Use of Flame Effects before an Audience
2010 edition of NFPA 701, Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

All events with pyrotechnics and/or flame effects are subject to an on-site inspection prior to the performance, arranged at the discretion of the Idaho State Fire Marshal.

***NO fee is required for local permit/approval.**

ExtraMile Arena will handle the processing of all documentation and coordinate pre-event demonstrations/inspections. Please submit the "pyro-pack" and Certificate of Insurance to (electronic submittals preferred):

Ron Janeczko
General Manager
ExtraMile Arena at Boise State University
1910 University Drive
Boise, Idaho 83725-1285
Direct: 208-426-1931
Fax: 208-426-1998
www.ExtraMileArena.com

*Note: The "pyro-pack" shall, at minimum, include the following:

- Effects/product list
- Effects descriptions
- Effects layout/site plan, including proximity to audience
- Effects cue schedule (day of show is acceptable)
- Technician license/permit documentation
- Vendor license documentation
- MSDS documentation
- Current flame certifications for soft goods

Links to the State Of Idaho Fire Marshal permits:

<https://doi.idaho.gov/displaypdf?cat=SFM&id=FORM%201126%20Pyrotechnics%20Permit>

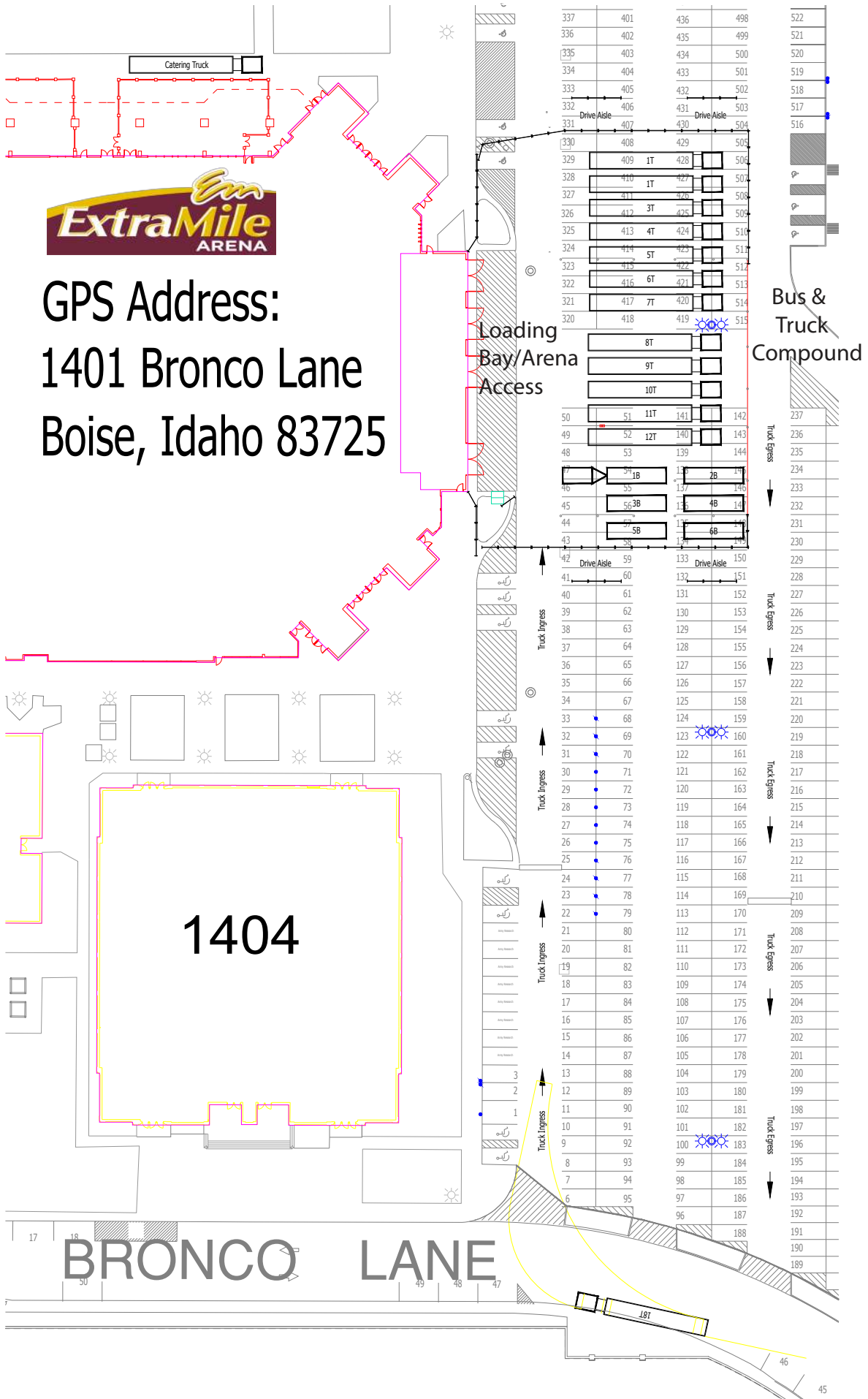
<https://doi.idaho.gov/displaypdf?cat=SFM&id=FORM%20160%20Flame%20Effects%20Permit>

Link to Boise State University Certificate of Insurance requirements:

https://d25vtythmttl3o.cloudfront.net/uploads/sites/509/files/2014/11/CertificateInsRqmts_3rdParty.pdf



GPS Address:
1401 Bronco Lane
Boise, Idaho 83725



Example Truck Compound

StageRight Barricade.....	30 Pieces.....	120 Feet with 2-90 degree pieces
Staging Concepts Stage.....	120 Pieces - 60' W x 56' D,	max stage height 4' to 6'
Staging Concepts Stairs.....	2 stair units with the ability to go from 4' to 6'	
Staging Concepts handrail.....	20 pieces, combination of 16 8' handrails and 4 4' handrails	
Rounded Feet Tamis Barriers.....	42 Pieces 8' long (usually used to build truck compound)	
Flat Feet Tamis Barriers.....	32 Pieces 8' long	
Follow Spots.....	6 -- 1.5K Super Troopers	
Forklifts.....	2 in house 5K warehouse forklifts - one set of fork extensions	
Vans.....	1 -- 15 passenger.....	If more are needed please advance
Cable Ramps.....	20 pieces -- ADA ramp attachments for 8	
Pipe and Drape.....	500' of Banjo Drape	
	.....	400' of velour Drape
6' tables.....	30	
8' tables.....	30	
3 phase power.....	1 x 200 amp CAMLOCKS (Loading bay)	
	.....	1 x 200 amp CAMLOCKS (Loading bay tunnel)
	.....	4 x 400 amp CAMLOCKS (Loading bay tunnel)
	.....	2 x 400 amp CAMLOCKS (exterior Loading Bay)
	.....	1 x 200 amp CAMLOCKS (FOH location)
	.....	1 x 200 amp (GRID location)

ExtraMile Arena

MAILING ADDRESS: 1910 University Drive
SHIPPING ADDRESS: 1401 Bronco Lane
CITY, STATE, ZIP: Boise, ID 83725-1285
WEBSITE: www.ExtraMileArena.com
TELEPHONE: 208-426-1900
FAX: 208-426-1998

EXEC. DIRECTOR, BOOKING & AVAILS: Lisa Cochran
TELEPHONE: 208-426-2546
EMAIL: lcochran@boisestate.edu
CELL: 208-866-2883

GENERAL MANAGER: Ron Janeczko
TELEPHONE: 208-426-1931
EMAIL: rjaneczko@boisestate.edu
CELL: 208-869-4903

ASSISTANT GENERAL MANAGER: Micki Courtney
TELEPHONE: 208-426-1390
EMAIL: mickicourtney@boisestate.edu
CELL: 208-559-8594

ACCOUNTING: Monica Angleton
TELEPHONE: 208-426-4634
EMAIL: monicaangleton@boisestate.edu
CELL: 208-860-3782

MARKETING/ADVERTISING: McQ Olsen
TELEPHONE: 208-426-2885
EMAIL: mcolsen@boisestate.edu
CELL: 208-830-1028

BOX OFFICE: Chris Lohnaas
TELEPHONE: 208-426-4675
EMAIL: chrislohnaas@boisestate.edu
CELL: 909-645-9790
Box Office Phone Number: 208-426-1766
TICKETING SYSTEM: Ticketmaster

PRODUCTION MGR/TECH DIRECTOR: Nathan McGregor
TELEPHONE: 208-426-1712
EMAIL: nathanmcgregor@boisestate.edu
CELL: 208-283-3989

RIGGING INFORMATION: Rodney Miller
TELEPHONE: 208-426-3705
EMAIL: rodneymliller@boisestate.edu
CELL: 208-484-1997

MERCHANDISE: Micki Courtney
TELEPHONE: 208-426-1390
EMAIL: mickicourtney@boisestate.edu
CELL: 208-559-8594

SECURITY DIRECTOR: Tim Deck
TELEPHONE: 208-426-1982
EMAIL: timothydeck@boisestate.edu
CELL: 208-350-8555