

UW-Milwaukee Panther Arena TECHNICAL MANUAL

Version 2.0



UWM PANTHER ARENA



General specifications

Dimensions

Main floor - gross square feet	24,000
Floor dimensions	105' X 234'
Ice rink maximum dimensions	200' x 85'
Ceiling height (floor to high steel)	95'
Arena Exhibit Hall	17,340 sq. ft.

Seating capacities

(maximums - without production kills)

Maximum with G.A. floor	12,148
End concert (360° sightlines)	11,466
End concert (270° sightlines)	9,858
End concert (180° sightlines)	8,509
End concert (120° sightlines)	7,910
Concert in the round	11,848
Half-house	6,368
Ice Show	6,689
Boxing/wrestling	12,146
Basketball	11,119
Soccer	9,600
Hockey	9,652
Open floor (permanent seating only)	8,910

Floors/surfaces

Main floor	Concrete
Floor load capacity	450 lbs./sq. ft.
Concourse floors	high-impact tile
Soccer turf	Pro indoor dimensions & markings
Basketball floor	NBA/NCAA dimensions & markings

Ice

Permanent in-house ice-making ability	yes
Ice rink maximum dimensions	200' x 85'
Ice maintenance equipment	(1) Zamboni on site,

Portable stage

Stage Rite® rolling stage	built to suit
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Rigging

24' x 24' main steel bays	8,000 lbs./point main steel
12' x 12' secondary grid	4,000 lbs./point secondary
Ceiling load capacity	450,000 lbs. total*
*Restrictions apply; see your Event Services Manager for details	

Electrical Power

Show power	
600 Amp, 120/208V, 3 phase @ north end	4
600 Amp, 120/208V, 3 phase @ south end	2
Exhibitor or ancillary power	120/208V AC
(available at main floor side wall locations, concourses and in Arena Exhibit Hall)	
Shore power available	yes

House Sound

Total output	29,200 Watts
Amplifiers	(26) Crown® Tri-Amp
Speakers	(26) X-Array® 3-Way
Configuration	Zoned multi-cluster

Lighting

Sports lights	
4000° K (CRI 65) metal halide fixtures w/ shutters	108
• 11 million lumens total output	
• Average 150+ footcandle horizontal reading, 110 footcandles to main camera location	
• 1:1.3 uniformity ratio	
• 2 second shutter open/close for near-instant “lights on” or blackout	
1000W floodlights	164
1600W Supertrouper follow spots	6
Supertrouper carbon arc follow spots	4
Incandescent lights	dimnable

Scoreboard

Make	Daktronics
• Seamless four-sided LED display with curved corners	
• Infinitely variable scoring configurations	
Installed:	September, 2014
High trim (bottom edge to floor at maximum elevation)	68'
End boards	2
Displays	LED
Seamless video display	10'H x 86'W, 6mm line spacing
Upper ring	2'H x 88' circumference, 10mm line spacing
Lower ring	2'H x 66' circumference, 10mm line spacing
Video production format	720p
Video support	full production crew
Video monitors	(34) 42" monitors in concourses

Load-in

Loading docks	2 (10' 6" H x 23' W)
Drive-on floor access	yes

Dressing rooms

Home team locker room	1
Star dressing rooms with private baths (1 with shower)	2
Team dressing rooms w/ bathrooms and club showers	2
Chorus dressing rooms w/ bathrooms and club showers	2

Media/catering room

Dimensions	120' 0" x 24' 0"
Ceiling height	8' (suspended ceiling)
Features/amenities:	
Lighted briefing area; permanent, in-house sound system; permanent TV monitors; permanent kitchenette w/ commissary access; abundant AC, phone & data jacks.	

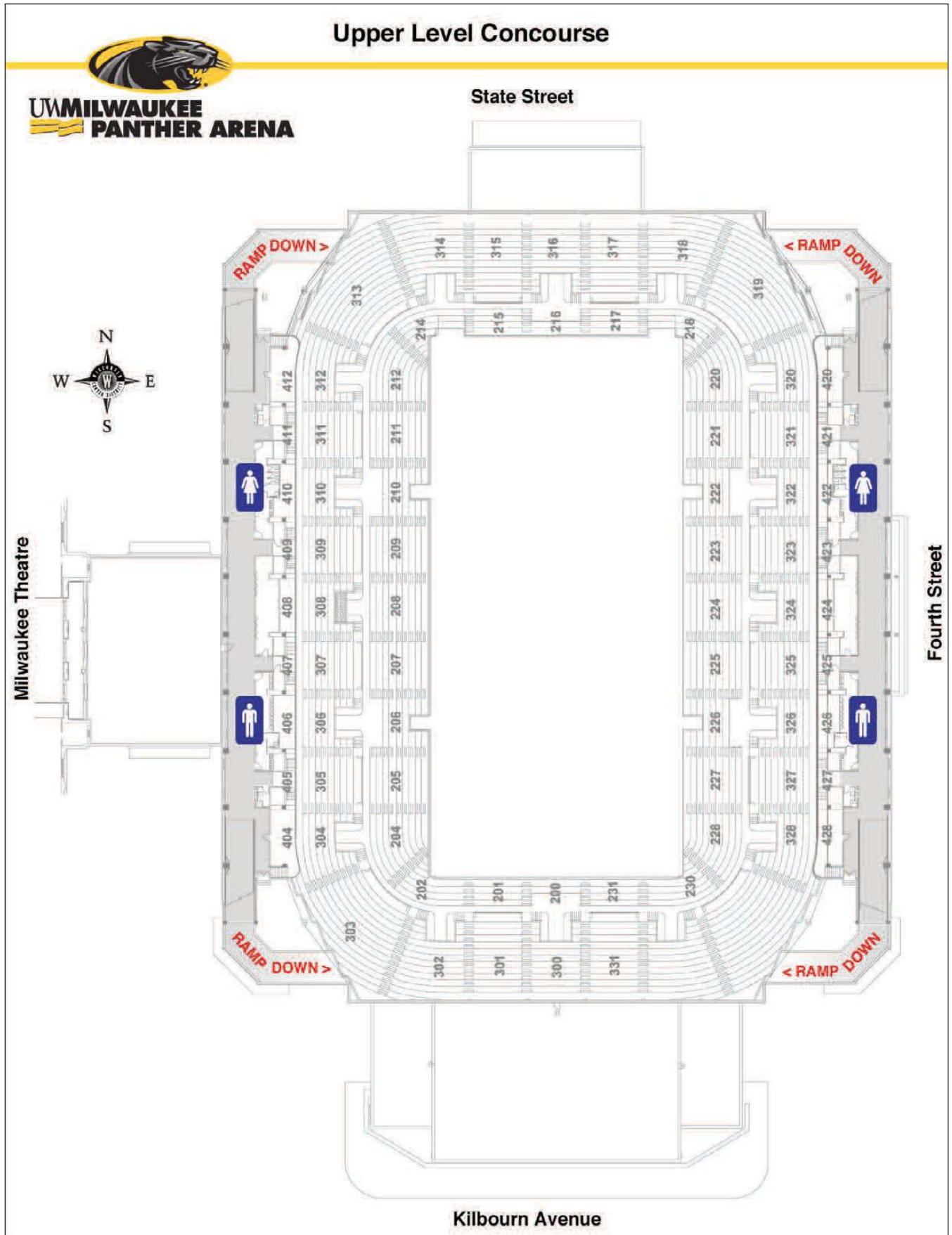
Other

Concession stands	13 built-in
(Specialty and portable concessions available)	
Restrooms	(5) male, (5) female, (2) “family”
Show management office w/ phone	yes
Water & drains for lasers	yes
Basketball goals	BPI 8000
Elevators	1 passenger to main, lobby and floor levels
On-site truck/bus parking	yes
(limited - see your Event Services Manager for availability)	

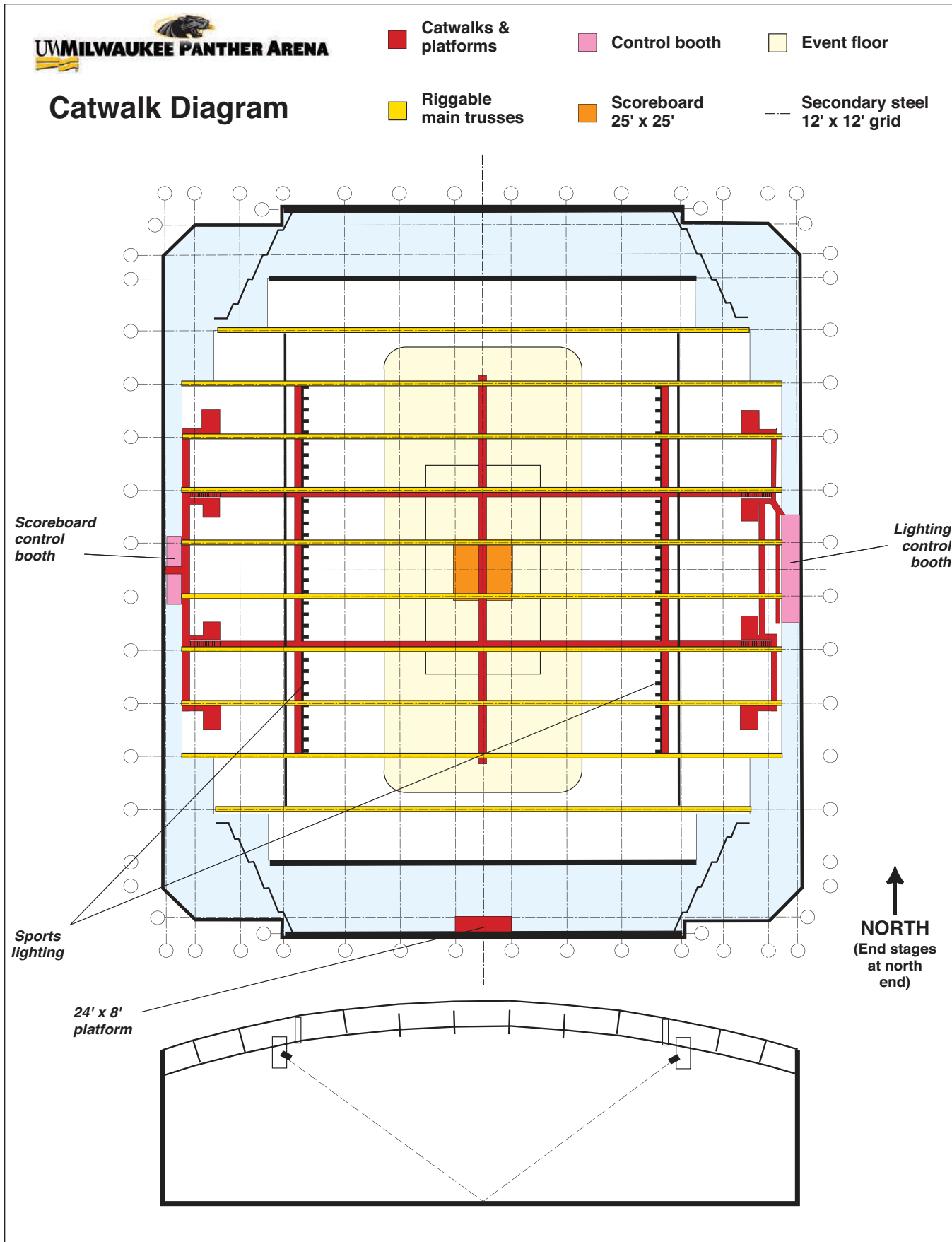
Video & electronic signage specifications

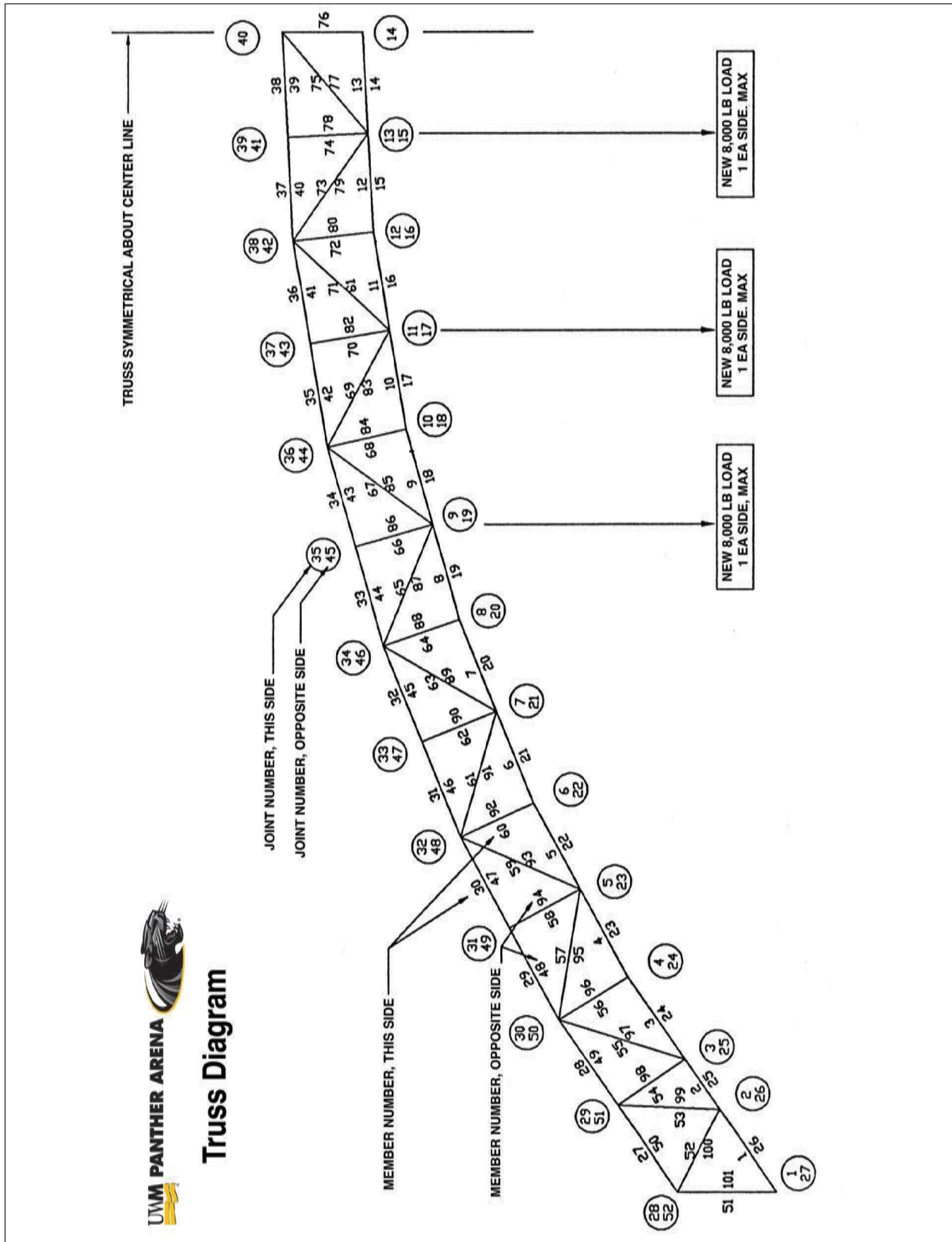
e-board + video specs.xlsx

Video displays		Display dimensions	Pixel/LED dimensions	Display type	Preferred File Types	Acceptable File Types	Notes
Wisconsin Center concourse monitors	42"	1280 x 720	LCD	.MOV, .BMP, .MP4	.JPG		
Milwaukee Theatre concourse monitor	42"	1280 x 720	LCD	.MOV, .BMP, .MP4	.JPG		
UW-Milwaukee Panther Arena concourse monitors	42"	1280 x 720	LCD	.MOV, .BMP	.JPG		
UW-Milwaukee Panther Arena scoreboard wrap-around video	10'H x 86' circumference	1280x720	LED	.MOV, .MP4, .PNG	.JPG	2 million LEDs, 6 mm line spacing	
UW-Milwaukee Panther Arena scoreboard upper ring	2'H x 88' circumference	2720 x 64	LED	.MOV, .MP4, .PNG	.JPG	10mm line spacing	
UW-Milwaukee Panther Arena scoreboard lower ring	2'H x 66' circumference	2112 x 64	LED	.MOV, .MP4, .PNG	.JPG	10mm line spacing	
UW-Milwaukee Panther Arena corner boards	16' x 9'	1280 x 720	LED	.MOV, .MP4, .PNG	.JPG	10mm line spacing	
Milwaukee Theatre outdoor video marquee	TBD	242x172	LED	.AVI, .BMP	.JPG		
Video files		File types	File extensions	File size	Pixel dimensions	NTSC standard	Notes
Best results	QuickTime	.mov	>30 MB	1280 x 720	16x9	Optimum format; fast transfer & implementation	
Good results	AVI	.avi	any	1280 x 720	16x9	Good quality, slower delivery & implementation	
Poor results - not recommended	QuickTime, Windows Media	.mov, .wmv	<30 MB	1280 x 720	16x9	Size usually indicates highly compressed file; poor display quality	
Not usable	Windows Media, Flash, Real Player, etc.	.wmf, .swf, .mpg, etc.	any	any	any	Not professional formats	
LED/LCD signage		Display dimensions	Pixel dimensions	Manufacturer	Required File Types	Acceptable File Types	Notes
Arena, 4th & Kilbourn, 4th & State	TBD	320x144	Whiteway	.BMP	.JPG		
Arena scrolling marquee-Kilbourn	TBD	6x128	Daktronics	Text Input	NA	event name, date, location	
Arena scrolling marquee-State	TBD	8x96	Daktronics	Text Input	NA	event name, date, location	
Milwaukee Theatre 6th & State	TBD	320x144	Whiteway	.BMP	.JPG		
Wisconsin Center 4th & Wisconsin	TBD	16x96	Daktronics	Text Input	NA	event welcomes & WCD info	
Wisconsin Center 4th & Wells	TBD	16x80	Daktronics	Text Input	NA	event welcomes & WCD info	
Wisconsin Center 755 W. Wells	TBD	16x80	Daktronics	Text Input	NA	event welcomes & WCD info	
Wisconsin Center 6th & Wisconsin	TBD	16x48	Daktronics	Text Input	NA	event welcomes & WCD info	



Catwalk diagram





Truss Diagram

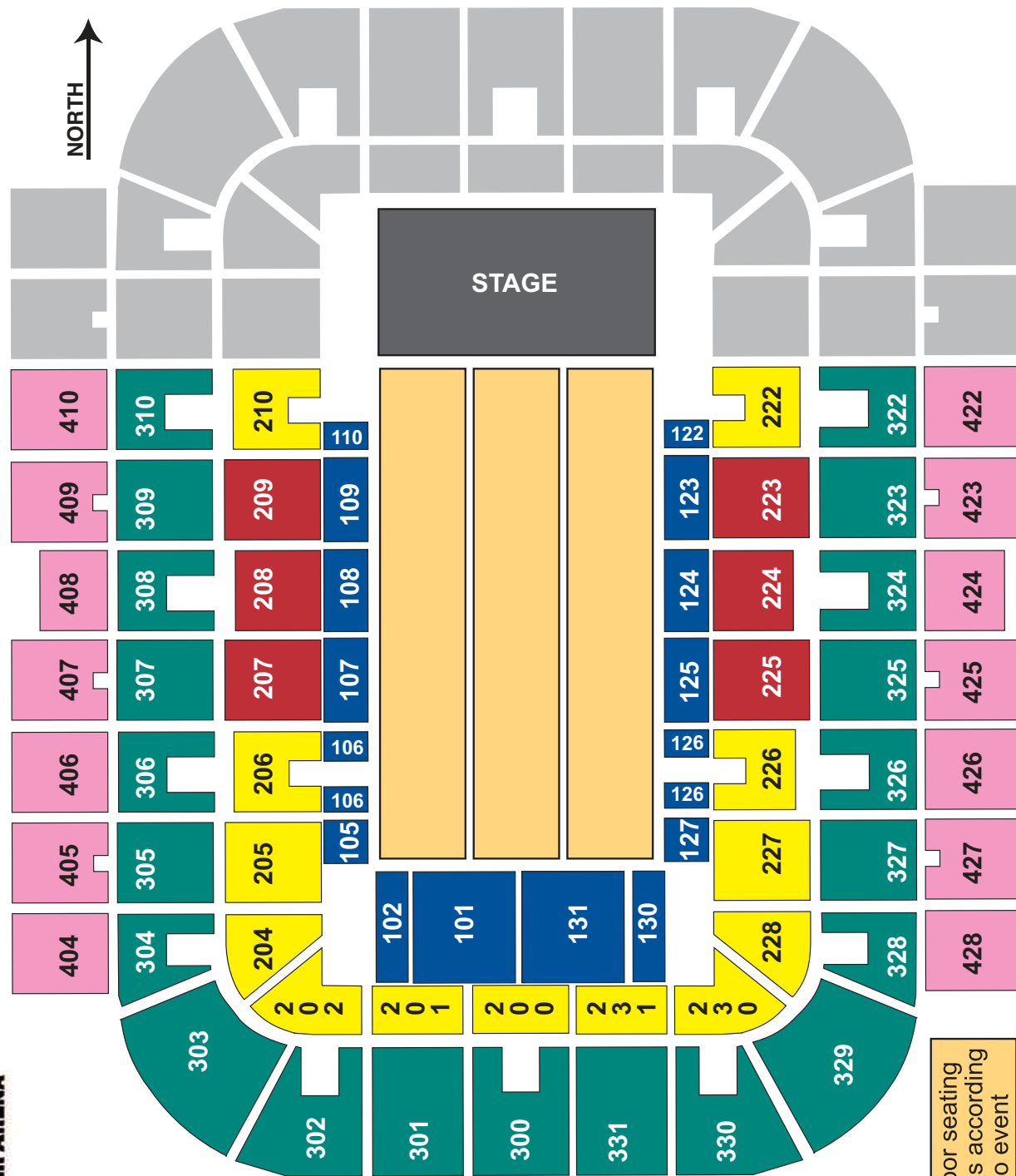


END CONCERT WITH 270° SIGHTLINES: 9,858 CAPACITY

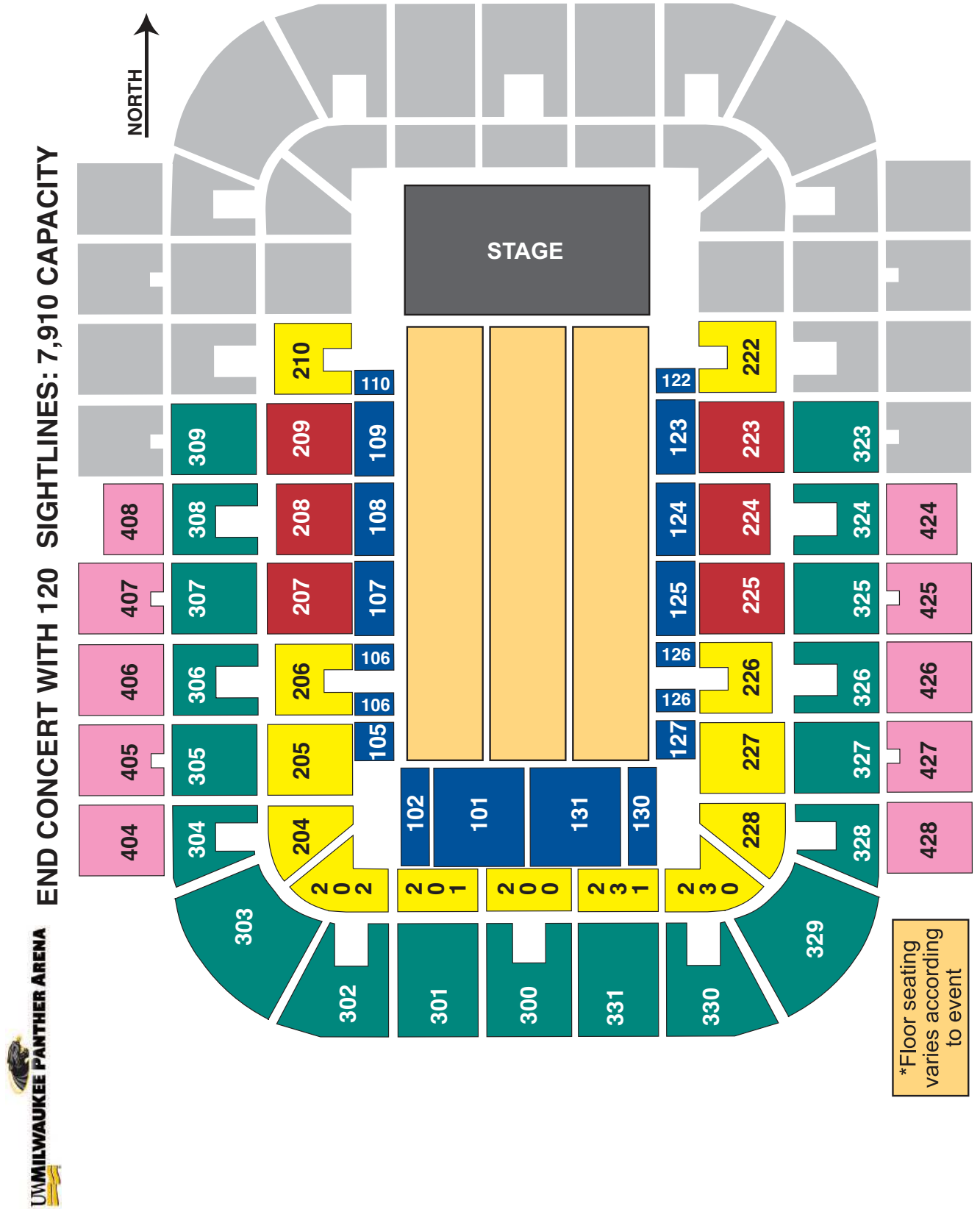


End stage - 180° seating

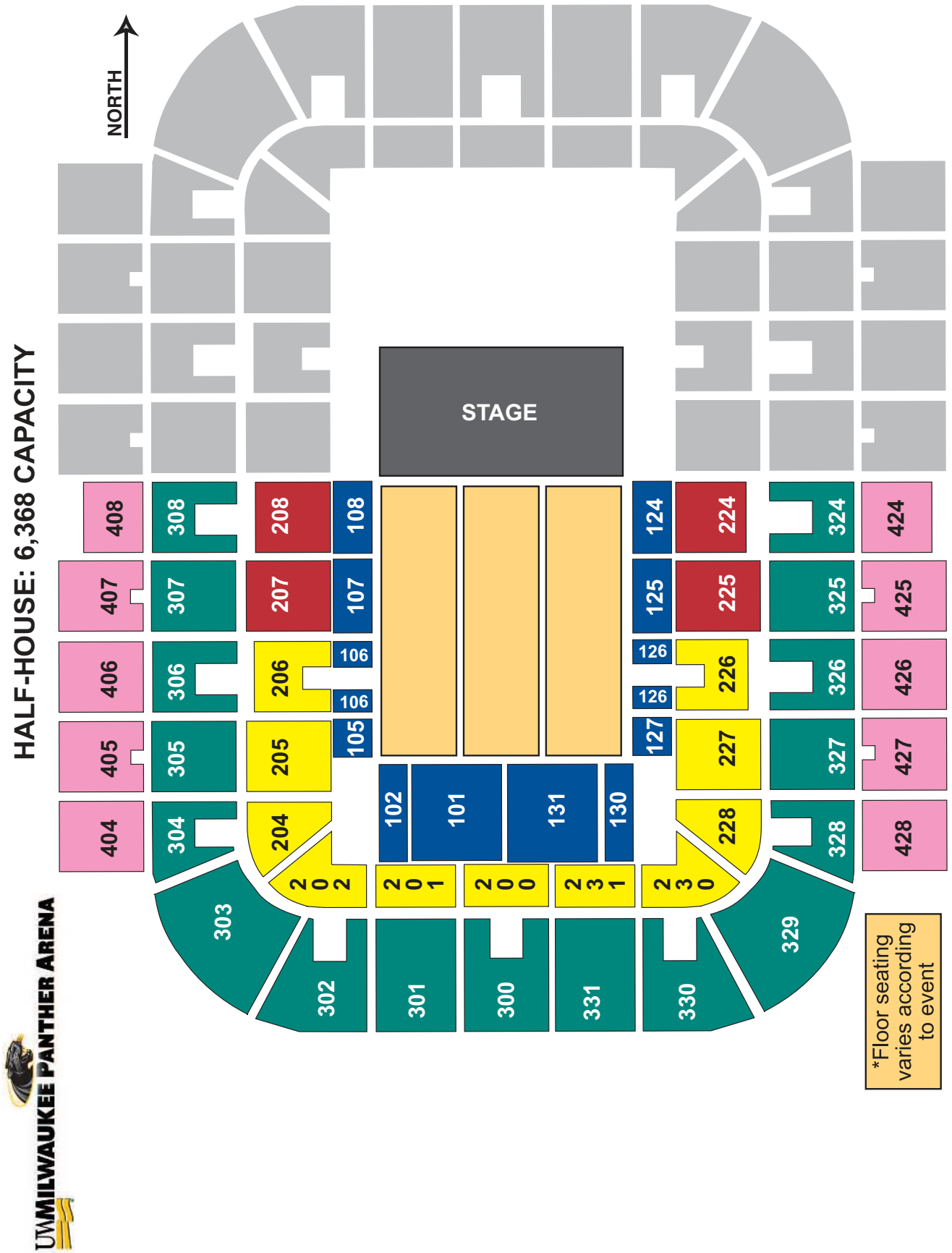
END CONCERT WITH 180° SIGHTLINES: 8,509 CAPACITY



*Floor seating varies according to event



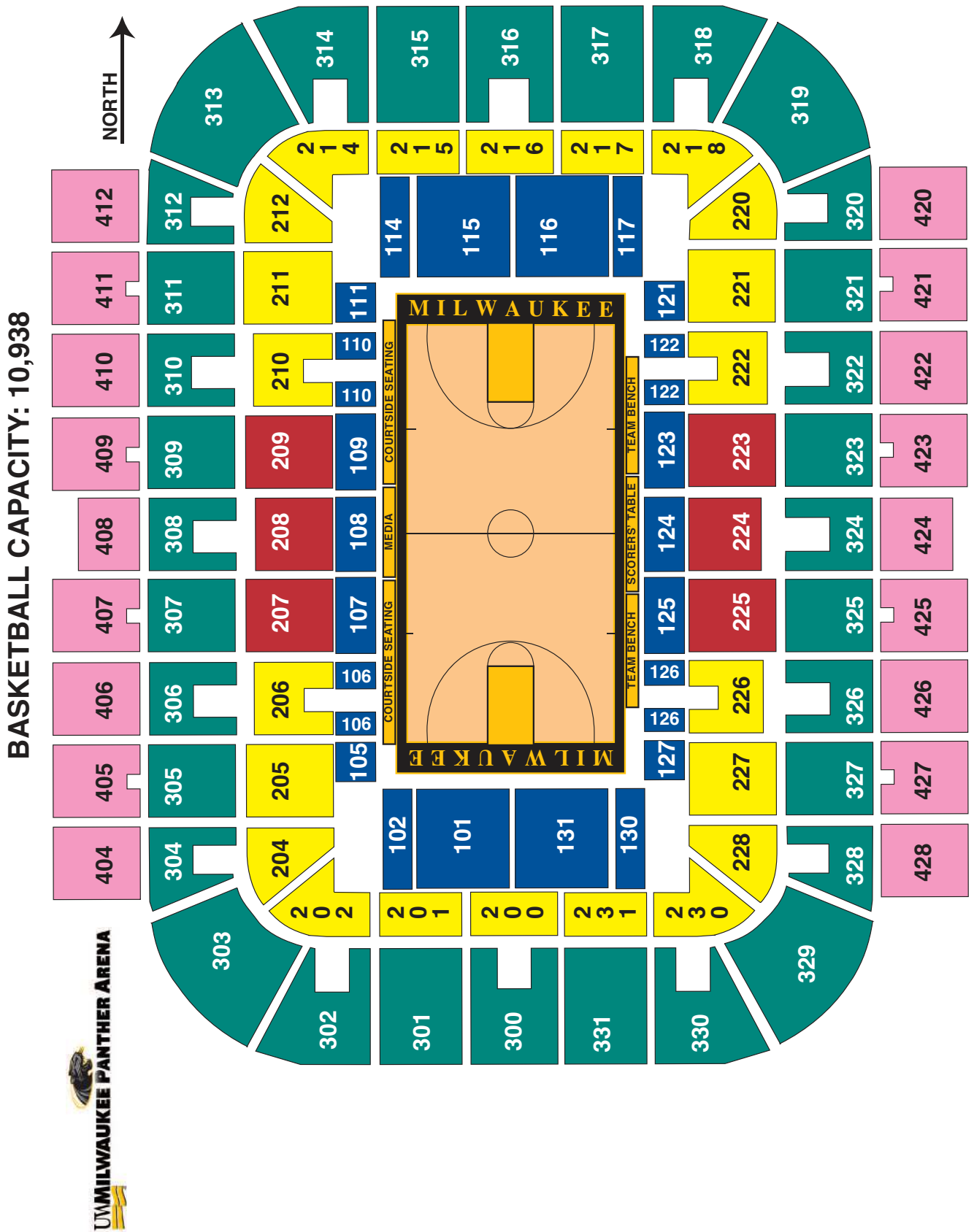
Half house

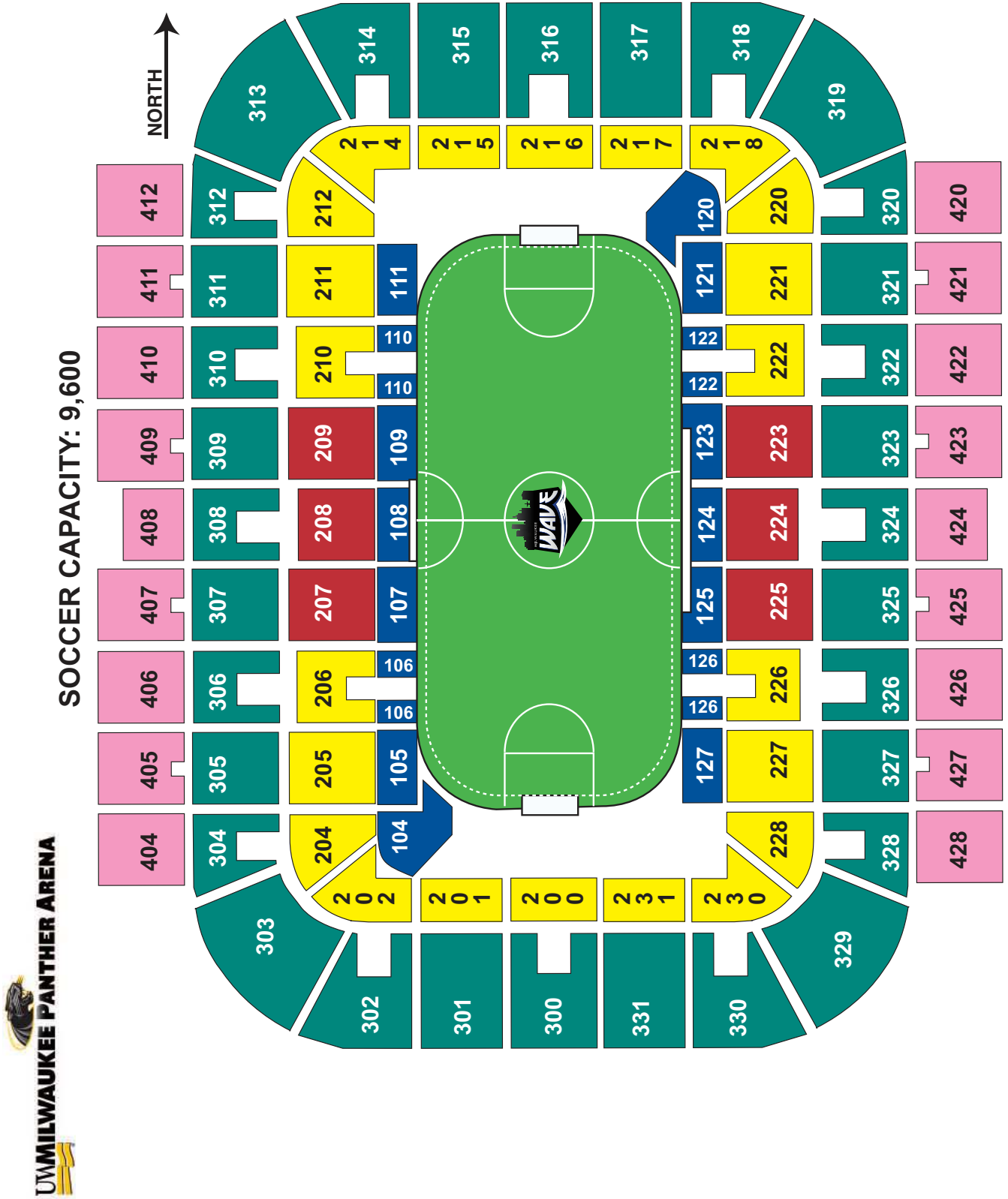


Concert in the round/boxing/wrestling



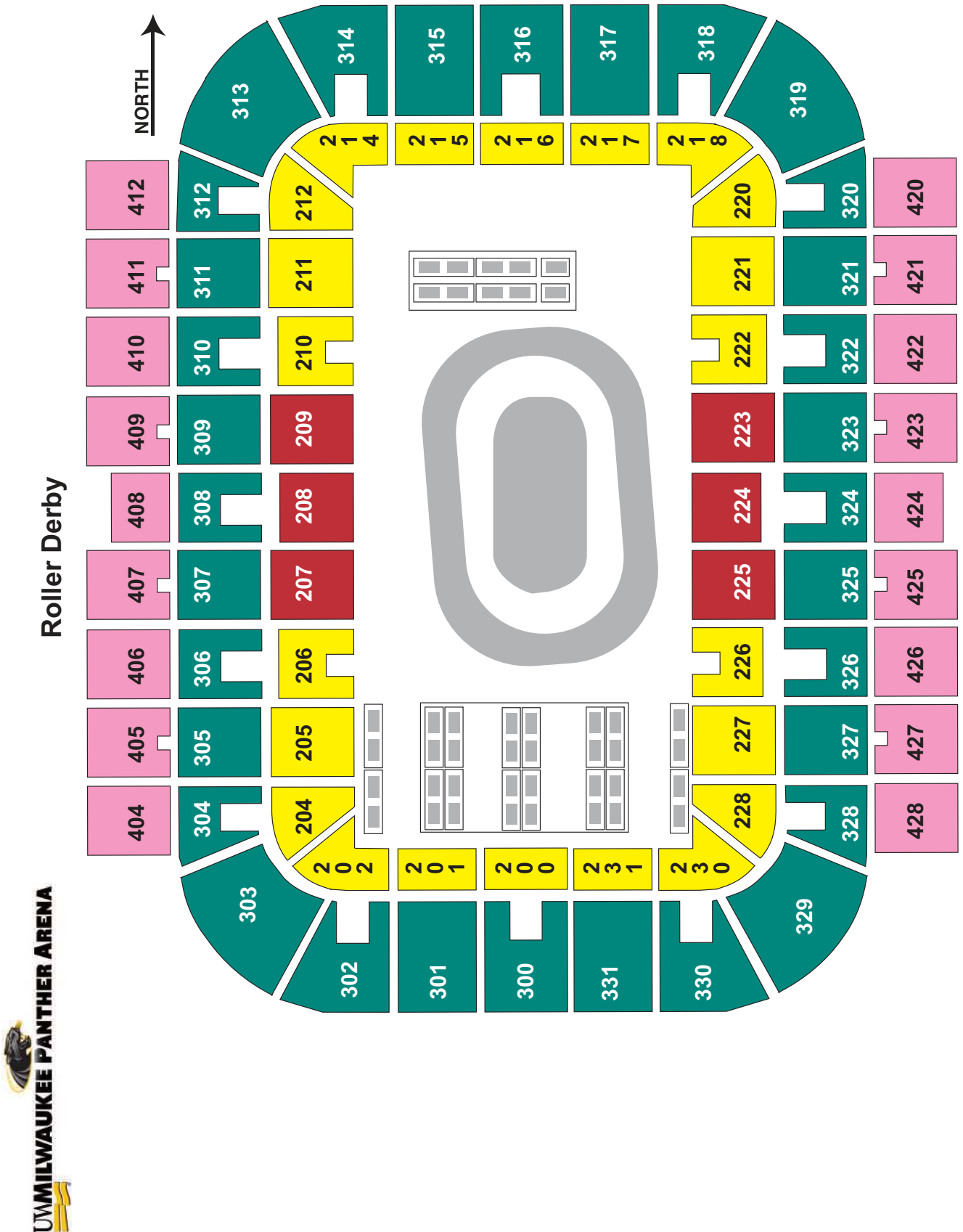
Basketball





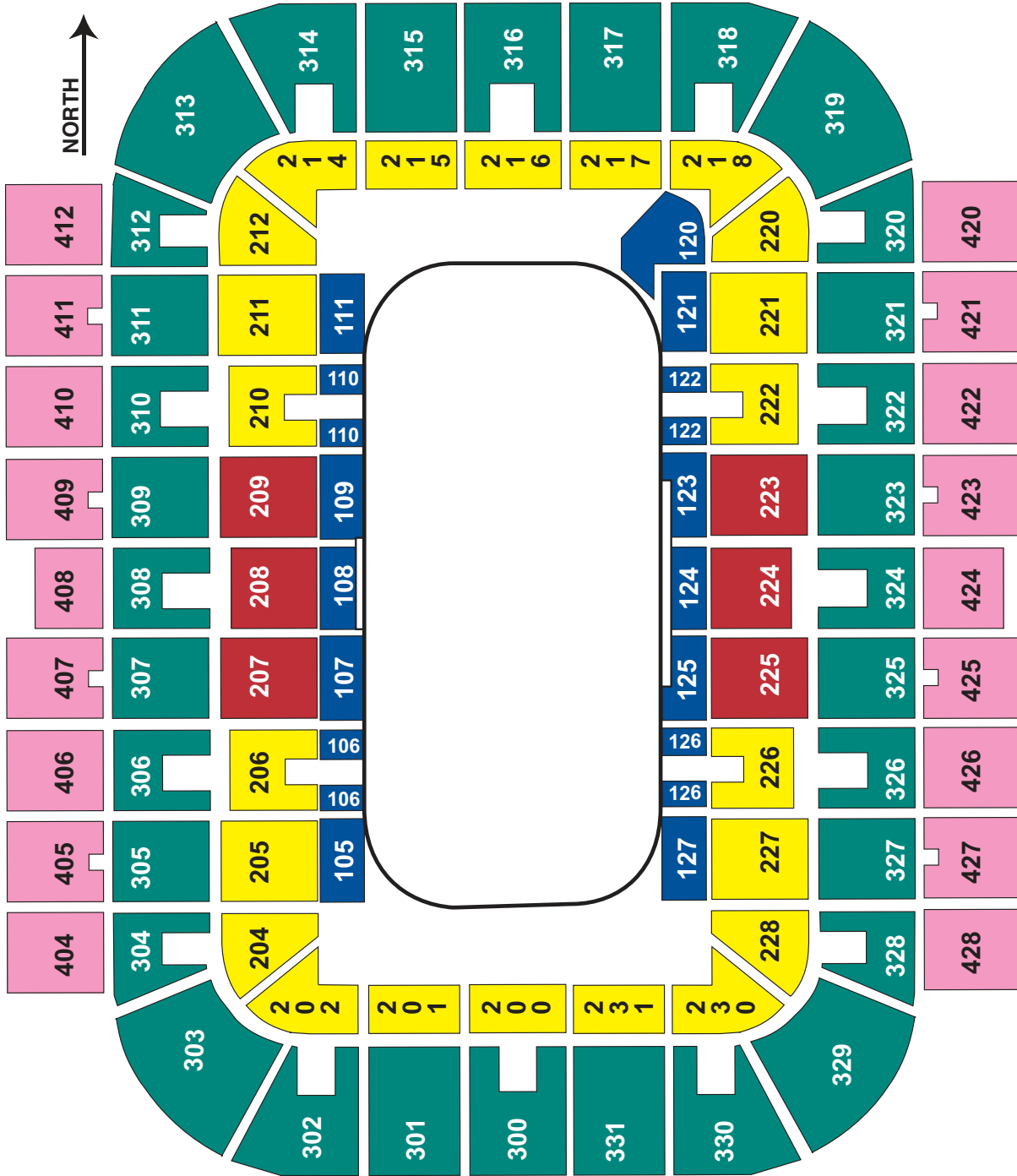
Ice Show





Hockey

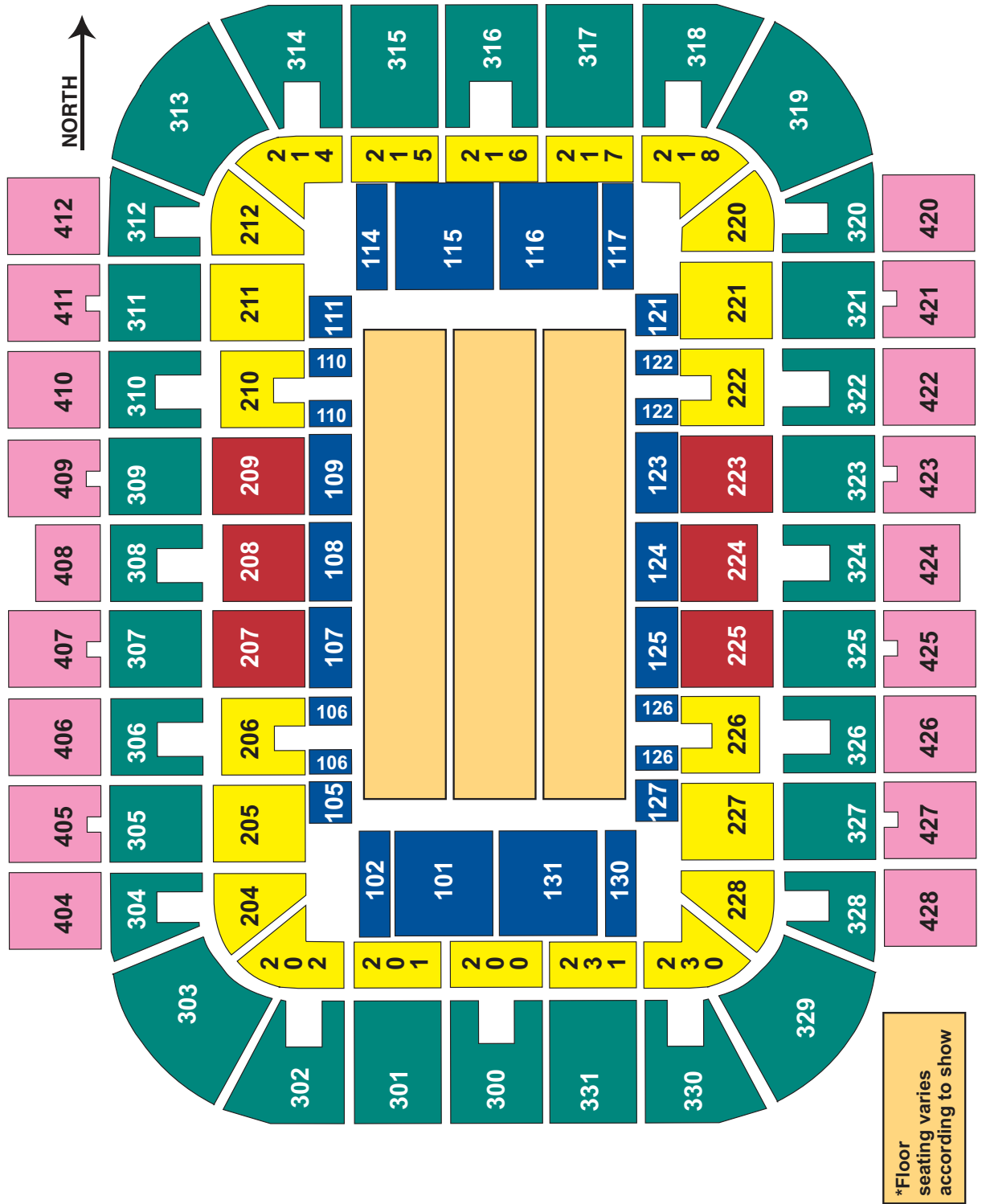
HOCKEY CAPACITY: 9,652



Maximum w/ general admission seating



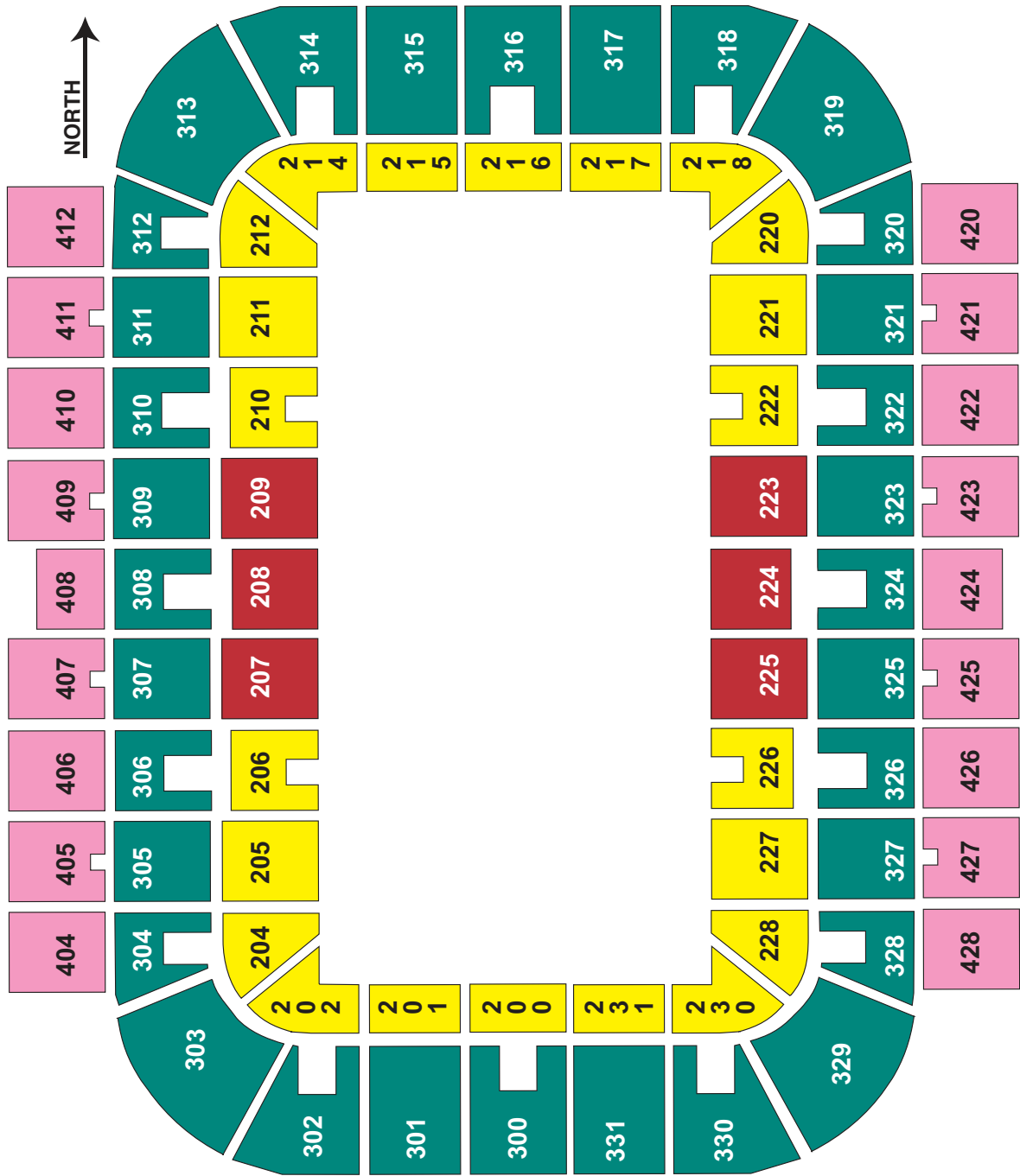
MAXIMUM CAPACITY with G.A. Floor: 12,148



Open floor (permanent seating only)



OPEN FLOOR - PERMANENT SEATS ONLY: 8,910 CAPACITY



Frequently-asked questions

GETTING HERE

Nearest airport:	General Mitchell International Airport (www.mitchellairport.com)
Distance from airport to venue:	10 miles, about 15 minutes
Other transportation:	Amtrak (7x daily to/from Chicago); Greyhound, Badger & other bus services; seasonal high-speed ferry to Muskegon, MI.
Distance from stations to venue:	Amtrak, 5 blocks; bus stations, 3 blocks; high-speed ferry, 3 miles, about 10 minutes
Nearest hotels:	<ul style="list-style-type: none">• Hilton Milwaukee City Center• Hyatt Regency-Milwaukee.• Doubletree City Centre• Other hotel info at www.milwaukee.org.
Distance from hotels to venue:	Hyatt is across corner on Kilbourn. Hilton three blocks away on Wisconsin Avenue; Several others within 2-4 blocks.
Nearest parking:	<ul style="list-style-type: none">• WCD lot (276 spaces)• Hyatt Regency structure at 4th & Wells (750 spaces)• Hilton structure 1 block south on 5th Street (800 spaces)• Shops of Grand Avenue structure (1,000 spaces)
Other parking information:	www.parkmilwaukee.com

VENUE RULES AND LOCAL LAWS

Doors open:	Usually one hour before show time
Smoking policy:	Smoking is not permitted anywhere inside the UW-Milwaukee Panther Arena.
Carry-ins:	Food and beverage carry-ins are not permitted. Still camera carry-ins are subject to the artist/tour/promoters' preference. Video cameras are generally prohibited unless expressly allowed by the artist/tour/promoter.
Curbside drop-off:	Curbside drop-off and pick-up of passengers is permitted on all streets surrounding the UW-Milwaukee Panther Arena. Drivers must remain with the vehicle.
Curfew:	No indoor event/performance curfew. 11:00 p.m. City of Milwaukee curfew for unescorted minors. 2:00 a.m. bar closing time (applies to private bars at food & beverage events weeknights, 2:30 a.m. weekends).
Sales taxes:	5.6% (6.1% for prepared food & beverage)

Where's the nearest...

This list was compiled from inquiries associated with entertainment events, and is included here as a potential convenience only, not an endorsement. The nearest to hotels will differ.

24-hour diner:

George Webb's
812 N. Old World Third Street
(3rd Street between Kilbourn & Wells)

24-hour urgent care:

St. Joseph's Outpatient Center
201 N. Mayfair Road
(Wauwatosa - Highway 100)

Art supplies:

Utrecht Art Supplies
242 E Menomonee Street
(near Broadway & Menominee)

Bank:

BMO Harris Bank
310 W Wisconsin Ave
(4th & Wisconsin)

Bar:

Major Goolsby's
340 W Kilbourn Ave
(4th & Kilbourn)

Bicycle rentals:

Vulture Space
651 N Plankinton Ave
(Plankinton south of Wisconsin)

Bike Share kiosk (BublR Bike):

Wisconsin Center - 4th Street plaza
400 W. Wisconsin Ave

Bowling alley:

Landmark Lanes
2290 N. Farwell Avenue
(1/2 block south of Farwell & North)

Car rental:

Hertz
804 N 4th Street
(4th & Wells)

Casino:

Potawatomi Bingo & Casino
1721 W. Canal Street
(West on Canal, 10 blocks from 6th)

Cinema:

Landmark Oriental Theater
2230 N. Farwell Avenue
(Farwell near North Avenue)

Coffee shop:

Starbucks
509 W. Wisconsin Avenue
(Hilton, 5th & Wisconsin)

Dental clinic:

Downtown Dental Group S.C.
161 W. Wisconsin Avenue
(Wisconsin Avenue above TJ Maxx)

Donut shop:

Dunkin' Donuts
622 W. Wisconsin Avenue
7th & Wisconsin

Dry cleaner:

Avenue Fabricare
602 N. 5th Street
(5th & Michigan)

Florist:

Erica's Blooming Inspirations
823 N 2nd Street
(2nd St., between Kilbourn & Wells)

Gas station:

BP
350 N. Plankinton Avenue
(Plankinton, south of St. Paul, by river)

Golf Course:

Lake Park Golf Course (9-hole)
3233 E. Kenwood Blvd.
(Newberry Boulevard & Lake Drive)

Hardware store:

National Ace Hardware
1303 N. 4th Street
(4th & McKinley)

Library:

Milwaukee Central Library
814 W. Wisconsin Avenue
(enter @ Wisconsin or Wells west of 8th)

Liquor store:

Avenue Liquors
616 Wisconsin Avenue
2 blocks south, 1/2 block west

Live bait:

A & C Live Bait
314 E Center St
Approx. 2 1/2 mi. north

Museum:

Milwaukee Public Museum
800 W. Wells Street
(James Lovell Blvd. & Wells)

Office supplies:

OfficeMax
The Shops of Grand Avenue
275 W. Wisconsin Avenue
(Wisconsin Avenue, 1/2 block east of
Wisconsin Center)

Optician:

Quality Optical
806 N. Old World Third Street
(3rd Street between Kilbourn & Wells)

Paintball range:

Paintball Dave's
203 N Broadway
(Chicago & Broadway)

Pharmacy:

Walgreen's @ Shops of Grand Avenue
275 W. Wisconsin Avenue
(Wisconsin east of 3rd Street)

Post office:

Milwaukee Main Post Office
345 W. St. Paul Avenue
(St. Paul, facing 4th Street)

Shopping mall:

The Shops of Grand Avenue
275 W. Wisconsin Avenue
(Wisconsin Avenue, in Plankinton Bldg)

Supermarket:

Gold's Pick 'n Save
605 E. Lyon Street
(East Pointe Commons, Van Buren & Lyon)

Tailor:

One Stop Alterations
161 W Wisconsin Ave #17
(3rd Street between Kilbourn & Wells)

Taxi stands:

Hyatt Regency-Milwaukee
333 W. Kilbourn Avenue

Hilton Milwaukee City Center
509 E. Wisconsin Avenue

Tobacconist:

Uhle's Pipe & Tobacco
114 W. Wisconsin Avenue
(Wisconsin Avenue at river)

Downtown Map





WISCONSIN CENTER DISTRICT

Owners & operators of The Milwaukee Theatre • Wisconsin Center • UW-Milwaukee Panther Arena

400 West Wisconsin Avenue • Milwaukee, Wisconsin 53203

414.908.6000 • Fax 414.908.6010 • www.wcd.org