

# Technical Information

KELLER AUDITORIUM  
PORTLAND CENTER FOR THE PERFORMING ARTS  
Robyn Williams, Director

Located in the heart of Portland, Oregon, the Portland Center for the Performing Arts is the fifth largest performing arts center in the United States and home to more than 20 arts organizations.

Comprised of four theaters in three buildings, PCPA hosts more than 1,000 event days and one million patrons annually.

## PCPA OPERATIONS DEPARTMENT

Information and scheduling for the following services and equipment are coordinated through the PCPA Operations Department:

Technical and/or production requirements

Facility information for production areas, stage equipment, parking regulations and permits

Special equipment needs and availability, extra charges

Scheduling information and requirements for PCPA stage department heads

Other production-related activities, permits and requests

Assistant Operations Mgr	Tom Bugas	503-796-6506
Stage Supervisor	Bill Gardner	503-274-6599
Operations Department facsimile machine		503-796-6507

\* Requests for technical and production information about the Keller Auditorium should be directed to the Stage Supervisor.

Business agent, Stagehand Union IATSE local #28	Chris Bateman	503-295-2828
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Portland Center for the Performing Arts

KELLER AUDITORIUM

Seating capacity 2992

Orchestra level 1,850

Box level 188

1<sup>st</sup> Balcony level 425

2<sup>nd</sup> Balcony level 529

Orchestra elevator pit seats

Available on request 42

## Portland Center for the Performing Arts

### DIRECTIONS TO THE KELLER AUDITORIUM

The Keller Auditorium is located at 222 SW Clay Street, between SW Second Avenue and SW Third Avenue.

Stage Door and Loading Dock: SW Clay Street, between SW Second Avenue and SW Third Avenue.

Patron entrances: SW Third Avenue, SW Clay Street and SW Market Street.

From the North (I-5 South or I-84 West):

Follow I-5 to the "City Center/Oregon City" exit. Follow "City Center" signs. After crossing the Morrison Bridge, follow SW Washington Street three blocks to SW Third Avenue. Turn left on SW Third Avenue. Continue 10 blocks to SW Clay Street. The Keller Auditorium is on the left, between SW Clay Street and SW Market Street.

From the South (I-5 North):

Follow I-5 "City Center/SW Front Street" signs (left lane). The exit lanes become SW Clay Street at SW Front Avenue (traffic signal). Continue two blocks past SW Front Avenue on SW Clay Street to SW Second Avenue. The Keller Auditorium is on the left, between SW Second Avenue and SW Third Avenue.

From the West (Highway 26 East/ "Sunset Highway"):

Select the "Market Street/City Center" (center) lane as Highway 26 approaches the Vista Ridge Tunnel. Take the "Market Street/City Center" exit after exiting the tunnel. Continue on Market Street ten blocks to SW Third Avenue. The Keller Auditorium is on the left, between SW Third Avenue and SW Second Avenue.

From the East (Highway 26 West/SE Powell Boulevard):

After crossing the Ross Island Bridge, follow the signs to "Highway 26/Front Avenue." Turn right on SW Front Avenue. Continue approximately  $1\frac{1}{2}$  miles to SW Clay Street. Turn left on SW Clay Street. Continue two blocks to SW Second Street. The Keller Auditorium is on the left, between SW Second Street and SW Third Street.

## Portland Center for the Performing Arts

### TRUCK LOADING DOCK/STAGING AREA INFORMATION

Keller Auditorium (formerly Portland Civic Auditorium), 222 SW Clay Street

The loading dock is located at the intersection of SW 2<sup>nd</sup> and SW Clay streets, on the Clay Street side of the building. The truck dock is 23' wide and 30' long, and accommodates two semi trailers at a 3% / 7 degree decline from street level. The loading dock height is 30 inches, and the exterior dock area is approximately 7' deep and 23' wide. The overhead loading door is 10' high and 14' wide. Inside the loading door is a ramp 19' wide and 11' long leading down 12 inches to stage level. The slope of the ramp is approximately 3% / 7 degrees. There is a staging/crossover area at the base of the ramp and upstage of the playing area which is approximately 19' wide, 80' long and 32' 8" high (clear height below heater ducts). There is additional staging/storage space accessible from SL (see SUPPORT AREAS section).

Arlene Schnitzer Concert Hall, 1037 SW Broadway

Street level loading doors are located at the intersection of SW Park and SW Salmon streets, on the Salmon Street side of the building. Truck parking is curbside, parallel to the loading doors. The outer loading doors are 6' 10" wide and 11' 0" high. Inside the loading doors, a ramp, 8' 6" wide and 10' 6" long leads down 28 inches to the stage level and an inner overhead loading door, 8' 0" wide and 9' 8" high. The slope of the ramp is approximately 6% / 13 degrees.

Newmark Theatre, New Theater Building, 1111 SW Broadway

The loading dock is located on SW Madison Street, between SW Broadway and SW Park streets. Trailer parking is parallel to the loading doors. Due to the slope of the sidewalk and street, the loading dock height relative to the ground is 3'4" on one side and 3'10" on the other side. The loading doors are 9' 4" wide and 9' 1" high. Behind the upstage wall of the playing area there is a staging/storage area which is approximately 40' wide and 20' deep. Three inner doors along the staging/storage area to the stage are 10' 0" W x 26' H, 13' 0" W x 28' H and 12' 8" W x 26' high.

Dolores Winningstad Theatre, New Theater Building, 1111 SW Broadway

Street level loading doors are located on the SW Park Street side of the building, between SW Madison and SW Main streets. Truck parking is curbside, parallel to the loading doors. The doors are 7' 6" wide and 7' 9" tall. A freight elevator, approximately 8' wide, 8' tall and 20' deep, transports equipment and materials from street level to stage level, one floor below.

#### LONG TERM TRUCK PARKING

Portland traffic regulations prohibit overnight curbside parking. Upon request, the Operations Department can provide information about long term parking options.

# RULES AND REGULATIONS FOR PRODUCTION FACILITIES AT THE PORTLAND CENTER FOR THE PERFORMING ARTS

## GENERAL

These rules are provided for PCPA user groups which utilize any stage, backstage or related production areas. Additional PCPA policies and rules may be adopted and enforced as necessary.

1. Decorations or signs will not be placed in any rooms, hallways, lobbies or theaters in the PCPA buildings without the permission of management. Expenses for any damages incurred by the violation of this rule will be paid by the party responsible for the damage.
2. No sign or decoration is allowed on the building exterior or sidewalk, unless approved in advance by the Operations Department or Event Services Department.
3. The visiting company will not obstruct any portion of the entries, hallways, elevators, stairs or other egress from PCPA buildings including access to all building utilities.
4. The visiting company will not permit smoking in any theater or in control rooms at any time. Smoking on stage is only permitted as part of a performance, and only when management approval and a valid fire permit have been obtained in advance. Smoking is permitted on exterior balconies and outside PCPA buildings only.
5. Animals (other than seeing eye/assist dogs) will not be allowed in PCPA buildings for any reason other than for use in a production or related promotional event. This privilege must be secured through the PCPA Operations Department or Event Services Department prior to load-in.
6. If food and/or beverages are to be provided for visiting company personnel, receptions or related events, these services must be provided by an approved PCPA caterer. A list of approved caterers is available from the Operations Department or the Event Services Department.
7. PCPA reserves the right to determine the uniformed (MERC) or non-uniformed (PEER) security personnel requirements for each event. Loaded firearms are prohibited in PCPA buildings, with the exception of uniformed MERC security personnel on duty, or 'stage use' weapons, which have appropriate safety features and prior approval by the Operations Department.

## PRODUCTION RELATED

1. The visiting company will provide identification and/or complete lists of all persons to be allowed in the backstage area. This list must be provided at the beginning of the load-in and is subject to approval by the Operations Department. PCPA reserves the right to restrict backstage access. All persons must sign in and show identification at the stage door.
2. The house opens no less than thirty (30) minutes prior to scheduled show time. All set-up and sound checks must be completed by this time. The Operations Department will assist the visiting company in opening the house on time.

3. UNDER NO CIRCUMSTANCES WILL A PERFORMANCE BEGIN OR AN INTERMISSION END WITHOUT THE EXPRESS VERBAL APPROVAL OF A PCPA HOUSE MANAGER.
4. The management reserves the right to determine the final maximum sound level for any event in PCPA buildings.
5. All pre-production coordination between the visiting company and PCPA Stage Department Heads will be through the Operations Department.
6. PCPA maintains security for all areas under its jurisdiction. No additional locks will be permitted on any door of the premises. It is recommended that valuables be collected by the visiting company's Stage Manager prior to the performance and kept until the performance is completed. PCPA assumes no responsibility for valuables or personal property left in dressing rooms.

7. **CONDITIONAL USE PERMITS ARE REQUIRED for any use of flame, combustible materials, stage use fire arms and pyrotechnic effects.**  
**ALL USE OF FLAME, SMOKE EFFECTS, FIREARMS AND PYROTECHNICS MUST BE APPROVED IN ADVANCE BY THE OPERATIONS DEPARTMENT AND THE CITY OF PORTLAND FIRE MARSHALL, and when appropriate THE STATE OF OREGON FIRE MARSHALL.** This includes the use of candles, incense, cigarettes, cigars, pipes, lighters, torches of any kind, flashpaper, stage firearm weaponry, etc. Client companies must be prepared to demonstrate effects to the Fire Marshall prior to approval.

The use of any special effects which may affect audience comfort or safety (such as the use of strobe lights) must be approved in advance by the Operations Department.  
 PCPA reserves the right to limit or prohibit the use of effects which may constitute a hazard to patrons, employees or the facilities.

**THE POSSESSION OF AND USE OF FIREARMS, OTHER THAN STAGE USE WEAPONS WHICH HAVE APPROPRIATE SAFETY FEATURES, IS PROHIBITED IN PCPA FACILITIES.**

Conditional use permits for fire and flame normally require 7 days to process.  
 Conditional use permits for pyrotechnics and stage firearms normally require 14 days to process and require on site demonstrations for the Fire Inspectors.

8. Any changes to house rigging or equipment must be approved in advance by the Operations Department.
9. The visiting company will not make holes, drive nails, tacks, stage screws or similar articles in any part of the premises without approval by the Operations Department.
10. Seat kills for production control equipment must be approved in advance by the Operations Department. The use and ticketing of pit seats must be approved in advance by the Operations Department.
11. Determination of the number and type of stage labor required for the event shall be solely the responsibility of the PCPA Director. Licensee shall provide all stage labor required for the event, except for house department heads provided by the facility.

# Portland Center for the Performing Arts

## KELLER AUDITORIUM

### STAGE DIMENSIONS

Proscenium: 59' 10" W x 29' 10" H

Note: US/DS measurements are taken from Reference line/ plane of fire curtain/ 0' 0," which is 3" US of plaster line at proscenium edges; 16" US of plaster line in wings.

Main curtain rigging and control is separate from lock rail. Main curtain line is 8" US of 0' 0"

Stage deck w/apron: 104' 5" x 47' 6"

CL to SL wall: 53' 6" (Permanent ramp up to off stage storage area extends 8' into wing space, from 8' 4" to 19' 5" US of reference line)

CL to SR lock rail: 50' 9" (Lock rail to SR wall: 2' 9")

CL to SL Mid rail: 47' 0" clear

CL to SR Mid rail: 41' 6" clear

Stage height above house floor: 3' 6"

Curtain line to apron edge: 6' 0" (Apron edge is straight)

Curtain line to #1 elevator edge: 11' 7" at center; 1' 6" at 19' 0" of L/R of CL  
(Hydraulic elevator)

Curtain line to #2 elevator edge: 16' 7" at center; 2' 0" at 27' 9" L/R of CL  
(Hydraulic elevator)

Curtain line to #3 platform edge: 21' 10" at center. (Platforms, normally configured for seating)

Reference line to back wall: 41' 8" (Measured to DS edge of pilasters in back wall)

Reference line to last lineset: 41' 0"

# Portland Center for the Performing Arts

## KELLER AUDITORIUM

### ORCHESTRA PIT

Capacity:	Approx. 70 musicians (#1 and #2 elevators)
Maximum pit elevator travel:	- 9' 0"
Playing position:	- 7' 8"
Pit riser:	8' D X 56' W X 1' 4" H

# Portland Center for the Performing Arts

## KELLER AUDITORIUM

### GRIDIRON AND RIGGING INFORMATION

Type of counterweight system: single purchase, T-track

Lock rail location: SR, stage level

Line sets: 76

Pipe length/type: 74' 0" / 1.5" id steel

Lift lines per lineset: 6

Height to grid working surface: 78' 6"

Height to overhead steel: US/DS: varies--5 major beams follow roofline (highest at CTR)  
SL/SR: ~88' 0"-- 3 major beams

High batten trim: 71' 10"

Low batten trim: 4' 0"

Arbor capacity above pipe weight: 1575 lbs.

Pin rail location: Mid rail SL and SR

SR Mid rail: Hgt. to bottom: 33' 6"  
Hgt. to walk surface: 36' 2"  
Hgt. to pin rail: 40' 2" to top rail; 38' 2" to bottom rail

SL Mid rail: Hgt. to bottom: 38' 2"  
Hgt. to walk surface: 40' 2"  
Hgt. to pin rail: 43' 8" (single rail)

# Portland Center for the Performing Arts

## KELLER AUDITORIUM

### SOFT GOODS

Main curtain color/material:	Red/ velour
Type:	Guillotine
Operating location:	SR single purchase counterweight, not part of lock rail
Masking draperies:	Legs - 10 black velour, 35' H x 21' W Portal legs - 2 black velour, 35' H x 15' W Panels - 4 black velour, 35' H x 30' W (2 panels can be used to make traveler; 2-3 panels to make blackout drop) Borders - 6 black velour, 12' H x 74' W
Other:	White filled scrim - 35' H x 70' W Traveler panels - 2 gray velour w/backing, 33' H x ~32' W

### TAB PIPES

Stage Left:	One pipe, wire guide arbor/iron counterweight
Length:	30'
Distance from CL:	42' 3"
Arbor capacity:	300 lb. above pipe weight
Stage Right:	Two pipes, one high/one low, both hemp/sandbag
Length:	30'
Distance from CL:	
Upper	42' 0" (used above SR mid rail position)
Lower	44' 2" (used below SR mid rail position)
Weight capacity:	300 lb. above pipe weight

Portland Center for the Performing Arts  
 KELLER AUDITORIUM  
 LINE SCHEDULE

Lineset #	Dist. from 0' 0"	Lineset #	Dist. from 0' 0"
1	1' 0"	39	21' 0"
2	1' 6"	40	21' 6"
3	2' 0"	41	22' 6"
4	2' 6"	42	23' 0"
5	3' 0"	43	23' 6"
6	3' 6"	44	24' 0"
7	4' 0"	45	24' 6"
8	4' 6"	46	25' 0"
9	5' 0"	47	25' 6"
10	5' 6"	48	26' 0"
11	6' 0"	49	26' 6"
12	6' 6"	50	27' 0"
13	7' 0"	51	27' 6"
14	7' 6"	52	28' 0"
15	8' 0"	53	28' 6"
16	8' 6"	54	29' 0"
17	9' 0"	55	29' 6"
18	9' 6"	56	30' 0"
19	10' 0"	57	30' 6"
20	11' 0"	58	31' 0"
21	11' 6"	59	31' 6"
22	12' 0"	60	32' 0"
23	13' 0"	61	33' 0"
24	13' 6"	62	33' 6"
25	14' 0"	63	34' 0"
26	14' 6"	64	34' 6"
27	15' 0"	65	35' 0"
28	15' 6"	66	35' 6"
29	16' 0"	67	36' 3"
30	16' 6"	68	37' 0"
31	17' 0"	69	37' 6"
32	17' 6"	70	38' 0"
33	18' 0"	71	38' 6"
34	18' 6"	72	39' 0"
35	19' 0"	73	39' 6"
36	19' 6"	74	40' 0"
37	20' 0"	75	40' 6"
38	20' 6"	76	41' 0"

# Portland Center for the Performing Arts

## KELLER AUDITORIUM

### LIGHTING

Stage lighting control: ETC Obsession II 1500 SPS console, ETC Response network

Console location options: Dimmer room, off SR  
Rear of orchestra level, Section 'C'  
Stage level, SR wing

Dimmers: ETC Sensor AF installation racks  
FOH - 96 @ 20A  
Stage - 164 @ 20A

AC convenience/  
non-dim receptacles: Balcony rail 3 @ 50A (switchable from dimmer room)  
Stage 16 @ 20A (some are switchable from dimmer room)

Road power: 2 each 400A 3-phase, USR stage level  
400A 3-phase, DSR dimmer room, 10' above stage level  
200A 3-phase, DSR dimmer room, 10' above stage level  
200A 3-phase, DSL stage level (separate ground, generally used for

audio)

FOH circuit locations: Ceiling slots 18 GSP. House hang: 18 10 degree Source Four  
Cove slots 18 GSP. House hang: 15 19 degree Source Four  
(Individual receptacles are GSP; multi cable receptacles are 6-circuit Socapex)

Apron DS of proscenium 1 Socapex each side  
Far box boom 1 Socapex each side  
Balcony rail 36 GSP spaced along rail

Portland Center for the Performing Arts

KELLER AUDITORIUM

LIGHTING, continued

Loose fixtures:	(Does NOT include FOH units listed above)		
	50	36 degree	ETC Source Four 575W
	80	26 degree	ETC Source Four 575W
	50	19 degree	ETC Source Four 575W
	6	5 degree	ETC Source Four - LENS TUBES ONLY
	50	PAR 64	Altman 1kW (MFL standard, other by arr.)
	30	S4 PAR	ETC Source Four 575W (VNSP, NSP, MFL, WFL)
	18	3 1/2 x 10	Altman lekos
	12	8" Fresnels	Kliegl 3525
	14	3-cell	Colortran Far Cyc units 1kW /cell
	24	3-circuit	8' PAR 56 strip light units 500w /cell (12/unit)
Followspots:	2	Lycian 1290 XLT (2kW xenon)	(extra charge)

# Portland Center for the Performing Arts

## KELLER AUDITORIUM

### PROJECTION DISTANCES

Balcony rail to 0' 0" /angle to position @ 6' 0" above stage:	94' / 7.5 degrees
Second balcony rail camera position to plaster line:	116' 9"
Projection booth window to plaster line:	145' 8"
Ceiling slots to 0' 0" /angle to position @ 6' 0" above stage:	86' / 35 degrees
Cove slots to 0' 0" /angle to position @ 6' 0" above stage:	52' / 53 degrees
Box Boom #1 to 0' 0" at center line/ angle out from center line at 0' 0":43' / 10 degrees	
Box Boom #2 to 0' 0" at center line/ angle out from center line at 0' 0":56' / 20 degrees	
Box Boom #3 to 0' 0" at center line/ angle out from center line at 0' 0":90' / 45 degrees	
Orchestra first row to 0' 0" at center line:	23'
Orchestra last row to 0' 0" at center line:	116'

# Portland Center for the Performing Arts

## KELLER AUDITORIUM AUDIO

House consoles:	Soundcraft 800B (Windt Audio modified)	
	Inputs	32
	Aux sends	8
	Matrix	8 x 8
	Stereo master output	
	Yamaha PM3500-48	
	Inputs	48 mono + 2 stereo
	Mix busses	8
	Mono aux busses	8
	Matrix	12 x 4 stereo + 4 mono
Outboard processing equipment:	Klark Teknik DN-700 line delays	4
	White 4400 1/3 octave graphic EQ	5
	(3 are dedicated to proscenium speaker system)	
	Ashley Protea digital EQ w/remote	1
	TC M3000 digital reverb/processor	1
	Eventide DSP 7000 digital reverb	1
	Focusrite Red 3 stereo compressor	1
	dbx 160A compressor	4
	Drawmer DS 201 stereo gate	1
Permanent house speakers:	JBL 2-way clusters spaced above proscenium	5
	JBL 4602A 2-way monitors	4
Amplifiers:	Ramsa 9110	6
	Ramsa 9220	6
Portable FOH PA:	Meyer CQ-2 self-powered reinforcement loudspeakers	4
	Meyer PSW-2 self-powered reinforcement subwoofers	2
Playback equipment:	Otari 5050 MKIII RTR deck	1
	Sony TC-FX410R cassette deck	1
	Marantz PMD 320 CD player	1
	Marantz CDR 631 CD recorder	1

Portland Center for the Performing Arts  
 KELLER AUDITORIUM  
 AUDIO, continued

Microphones:	Shure SM 57	6
	Shure SM 58	6
	AKG 451 CK1/CK3/CK22 capsules	6/6/6
	AKG CK9 shotgun extension	4
	AKG 414 uls	2
	AKG 4266 stereo mic	1
	Neumann KM 184	6
	Sennheiser 421	6
	Audio Technica 853a	6
	Crown PCC 160	5
	Countryman Isomax Hypercardiod	8
	Electro Voice PL120	4
	AKG A51 swivel adapters	6
House audio snake:	Mic lines:	48
Road power:	100A three-phase switches with isolated ground in sound control room offstage left	2
Road console locations:	Orch level, center section (C), last 2-3 rows w/seating removed; 250' snake run from SL	
(Permanent install)	Transformer split w/ground lift switches; XLR & Veam multi-pin terminations at each end	
Return lines:	16 isolated	
Production intercom system:	Clear com	
Video monitors:	Sony AV color	5
Stage manager video monitors:	8" B&W	2
Video camera:	One B&W camera, mounted on 2 <sup>nd</sup> balcony railing at center	
Paging and monitor system:	Stage to dressing rooms and offstage areas	

# Portland Center for the Performing Arts

## KELLER AUDITORIUM

### DRESSING ROOMS/WARDROBE INFORMATION

Stage level Star Dressing Rooms		2	furnished, carpeted lounge, dressing room, bath			
Dressing room tower, access from DSR:		Rm	Persons	Sinks	Toilets	
Showers						
2 <sup>nd</sup> floor:	Chorus:	20	24	3	2	2/2 shared
	Other:	21	1	1	1	"
		22	2	1	1	"
		23	2	1	1	"
		25	2	1	1	"
3 <sup>rd</sup> floor:	Chorus:	30	20	2	2	2/1 shared
	Other:	31	3-4	1	1	"
		32	2	1	1	"
		33	2	1	1	"
		35	1-2	1	--	"
4 <sup>th</sup> floor:	Chorus:	40	10-15	3	3 shared	2 shared
	Other:	41	3	2	"	"
		42	4	2	"	"
		43	4	3	"	"
5 <sup>th</sup> floor:	Chorus:	50	10-15	3	3 shared	2 shared
	Other:	51	2	2	"	"
		53	4	3	"	"

Notes: Elevator and stairway access to all floors. All dressing rooms have mirrors, counters, makeup lights and chairs. Non-chorus rooms have wall racks for hanging costumes.

Laundry room:	Rm. 52. 2 washers, 2 dryers (extra charge)
Additional hookups:	Space and connections for 1 washer, 1 dryer
Garment steamer:	1 (extra charge)
Ironing board:	1 In laundry room (also sorting table, hanging racks)
Wardrobe racks:	10 rolling racks

# Portland Center for the Performing Arts

## KELLER AUDITORIUM SUPPORT AREAS/ ADDITIONAL EQUIPMENT/ MISCELLANEOUS INFORMATION

Off SL Staging/props area: Access from SL wing, (see stage dimensions info) approx. 1100 sq. ft. The largest unobstructed area in this room is approximately 30' x 30.'

US Staging/crossover area: There is a staging/crossover area immediately inside the loading dock door and upstage of the playing area. This area is approximately 19' wide, 80' long and 34' 9" high (clear height).

Green room: Off stage right, four steps below hallway/stage level, 23' 5" x 20' 5"

Rehearsal room: Access from SL, 1<sup>ST</sup> balcony level; 38' x 45'  
Maple floor, no mirrors/barres

Pianos: 9' Baldwin grand piano (in rehearsal hall)

7' Steinway grand piano (extra charge)

9' Baldwin grand piano (extra charge)

Yamaha U3 upright piano (extra charge)

Orchestra equipment: Music stands/stand lights Orch pit, 50/50; Reh hall, 45/0

Musician chairs Orch pit, 80; Reh hall, 55

Miscellaneous equipment: Tables 8' 12 (available by arrangement)

Plastic stack chairs 100+

Personnel lift Genie, 40' max. platform height

Ladders 5' 6' 8' 10' step ladders

Dollies, hand trucks, sheet carts, truck dock plate

Lectern (extra charge)

Black, vinyl dance flooring: 6' 7" x 60' rolls 6 each (extra charge)

Telephones: Event rental telephone lines available for rent on request. Locations in most back stage areas.

Security: If uniformed security is requested, PCPA will arrange for personnel through our Peer Security contractor, for extra charges to be paid by the client.

Parallel risers: 2 @ 8", 7 @ 16", 2 @ 24", total available 5'x8' tops 9 @.