TEST BASICS

Local 48 Education



Local 48 Education Committee

MARK ASHMORE

JOHN BRYG

TOM LUKES

KELLI ROSSINI

LISA BROSOVICH

PATRICIA DONOVAN

IRENE MACK SHAFER

JULIE SUMMY





John Bryg President IATSE Local 48

IRENE MACK SHAFER

BUSINESS AGENT CALL STEWARD WARDROBE





Another view of a Gondola

travelling unit on wheels that permanently houses costumes.

has bar for hanging clothes might have rope light in in



Gondola Wardrobe

Workbox (any department)







LISA BROSOVICH

- JOB STEWARD
- BASIC THEATRE
 DIRECTIONS AND TYPES
- SOUND

Upstage Upstage Upstage Right Center Left Stage Stage Stage Right Left Center Downstage Downstage Downstage Right Center Left Proscenium Line APRON

Stage directions {from onstage view}

Vocabulary

Other Stage Vocabulary

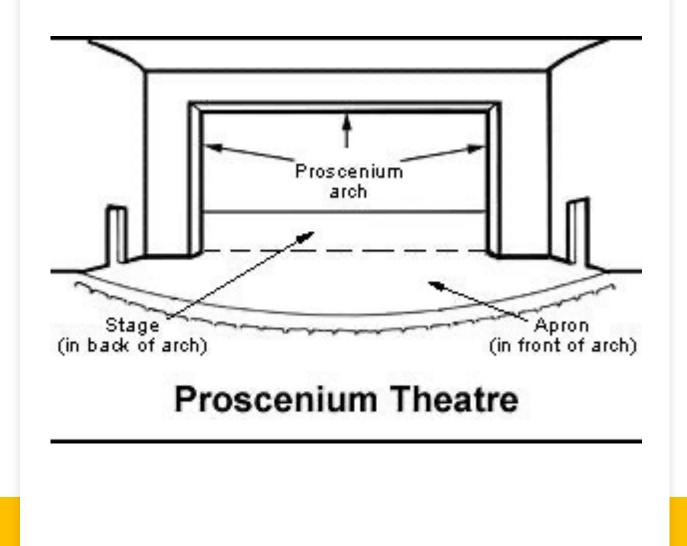
- Onstage the acting area within the set, visible to the audience
- Offstage the parts of the stage not enclosed by the setting
- Backstage the area behind the setting
- Wings the offstage areas to the left and right of the acting area
- House the auditorium where the audience sits (also called `outfront')

Ground Cloth: A painted drop which is laid out on the stage floor and key scenery is placed

Plaster line is upstage of the proscenium. This is where all marking starts 0'0"

Center line is imagery line running down the center of the stage.

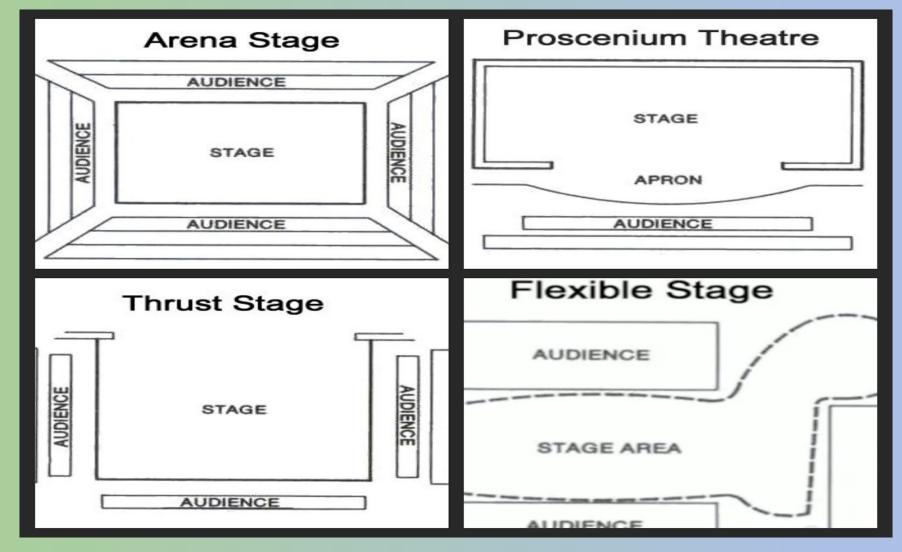
Apron: part of the stage in front of the proscenium Arch



• Fire Curtain is designed to lower automatically in the event of a fire. It creates a fire and smoke barrier separating the stage from the auditorium, allowing time for the audience to exit. Immediately behind the proscenium arch. The furthest drop downstage,

• **GRID** is a floor high above the stage and often made of metal on which hardware is mounted to facilitate the raising and lowering of scenery and other objects. Metal framework at the top of the stage house.

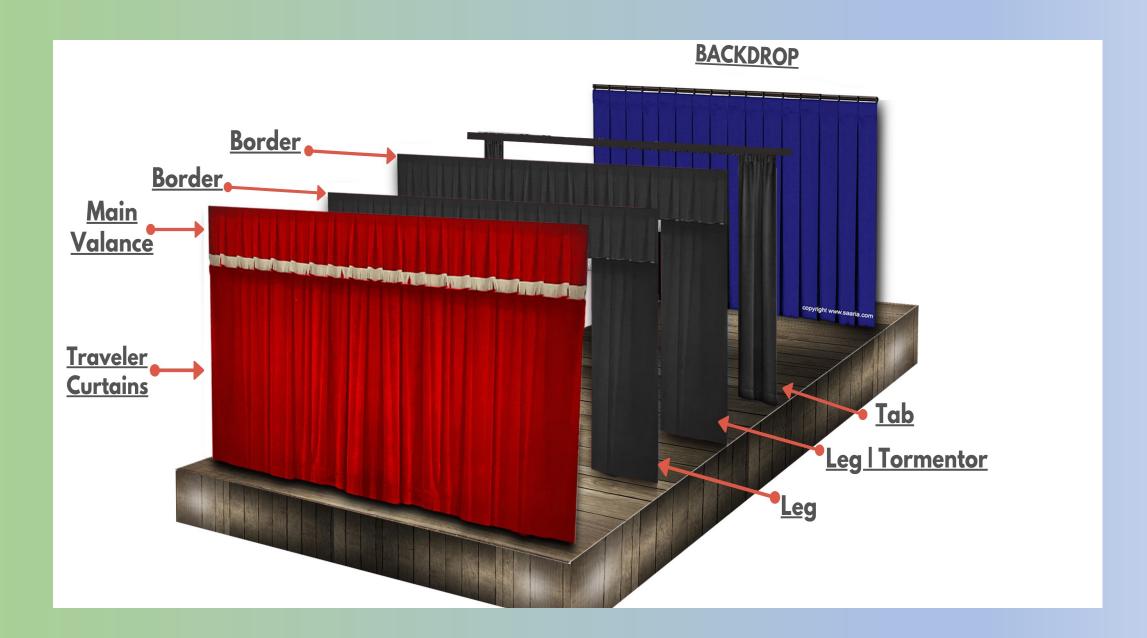
Types of Stages

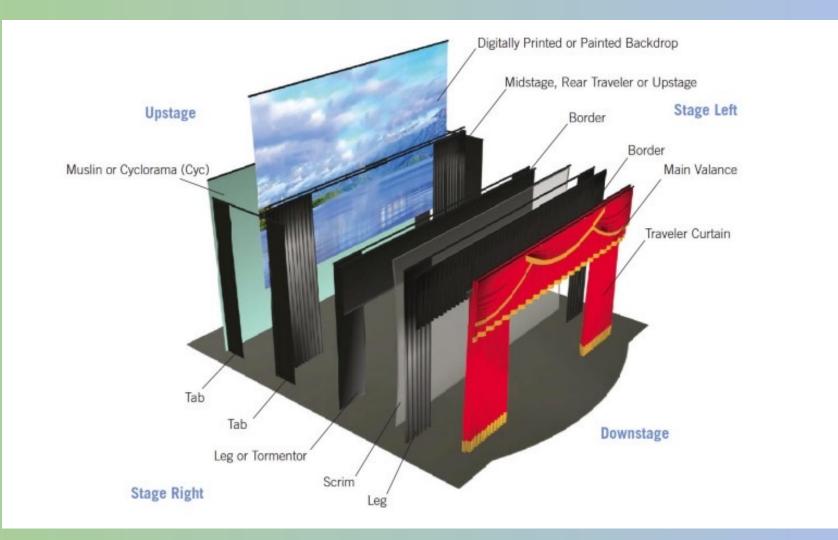




•Soft Goods

• Fly Systems





Rail Call Sheets

 Only one person should be communicating to the Department Head Fly person. Generally, it is the Department Head Carpenter

Rail Calls

Moving a Lineset		
Call from Locking Rail	Response from Loading Gallery	
"Is anyone working above?"	- (if so) - "Yes"	
"Are you clear of lineset (#)?"	- (if clear) - "Yes"	
	- (if not clear) - "No" and rail operator waits for confirmation of clearance from above.	
(After "Clear" is received from the above) - "Lineset (#) is coming in / going out."	- "Thank you"	

RCLANCY

Call from Locking Rail	Response from Loading Gallery
"On the loading gallery, please add - (Quantity / Size) bricks to lineset (#)."	- "Adding (Quantity/Size) bricks to lineset (#). Is the rail clear?"
(once clear) - "Clear"	Load weight after confirming correct arbor. Keep count with your partner as you load. Insert spreader plate at each sticker. Once complete, lock thumbscrews of top spreader plate.
	- "(Quantity/Size) bricks added to lineset (#)."
"Thank you. Are you clear to test?"	- "Clear to test."
Unloading procedure is th	e reverse of above. Use "remove" instead of "add." E SYSTEM PIPE WEIGHT FROM THE ARBOR!***

Safe Usage Terms

"Coming In"	- Used when moving a pipe on a lineset in the down direction.
"Going Out"	- Used when moving a pipe on a lineset in the up direction.
"Moving"	- Used when continuing a move after a brief pause.
"Heads!"	- Used in a loud and clear voice to alert everyone onstage when something is dropped from above.
"Runaway!"	 Used in a loud and clear voice to alert everyone in the stage or grid area that a lineset is moving out of control. Move far away from lineset immediately!
Good Practice:	 State location and loose tools / items in use while working in a grid. i.e. "Loose pin and shackle, upstage right!"

 WENGER
 URCLANCY
 Up gearboss
 Construction
 Construction

 355 Park Drive, PO Box 448 | Owatonna | MN 55060-0448

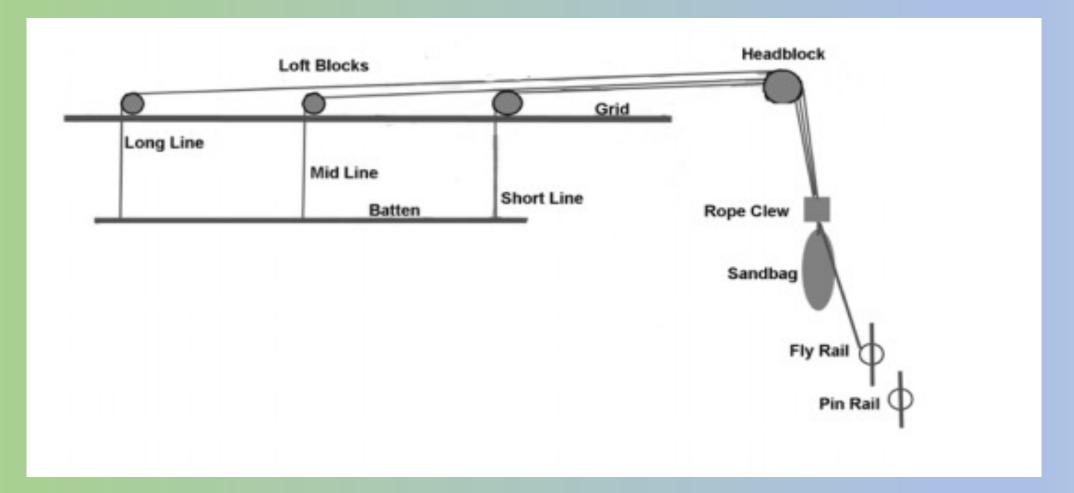
 JR CLANCY
 Phone 800.836.1885 Worldwide +1.315.451.3440 | jrclancy.com | 7041 Interstate Island Road | Syracuse | NY 13209-9713

GEARBOSS Phone 800.493.6437 | email gearboss@wengercorp.com | gearboss.com | 555 Park Drive, PO Box 448 | Owatonna | MN 55060-0448

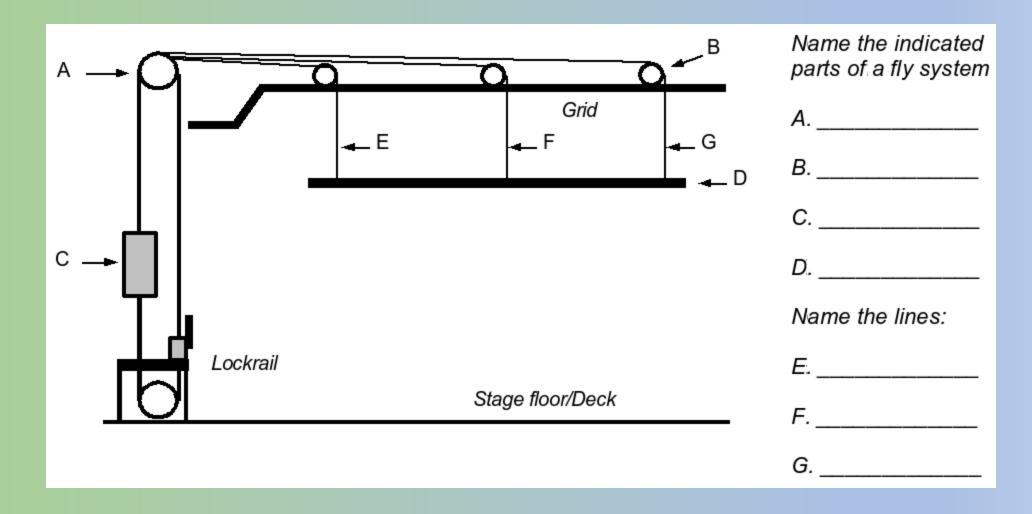
Fly systems

- We have two types that we deal with 1.Hemp system {sandbag} (Goodyear) 2. counterweight {arbor} systems (Civic and EJ Thomas)
- EJ Thomas electrics 1 and 2 are on a winch system. This is run from the Stage Manager console on SL.
- Its primary purpose is to move scenery, stage lighting, or curtains in the backstage area up into the fly loft, or down to the stage level. The ability to lower heavy pieces of equipment to floor level enables users to transfer stage lighting, scenery and curtains without the use of ladders or lifts.
- Only ONE (1) person should talk to the fly rail (generally it's the carpenter)
- SAVE THE FACE: Always put the goods on their back so that the good side is facing up.
- When stretching or folding drapes, the good side should be facing up
- You should always be on the upstage of the drop when tying on goods.
- Legs and borders are generally soft goods.
- Taking a wrap on a pin is lashing rope around a belaying pin (think sailing ship)

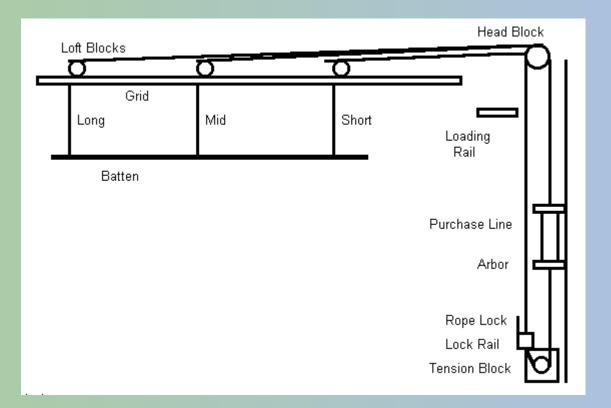
Sandbag system (Hemp system)



Borrowed from ia470 website



Arbor Fly System (counterweight)





Sound

Lisa Brosovich

Types

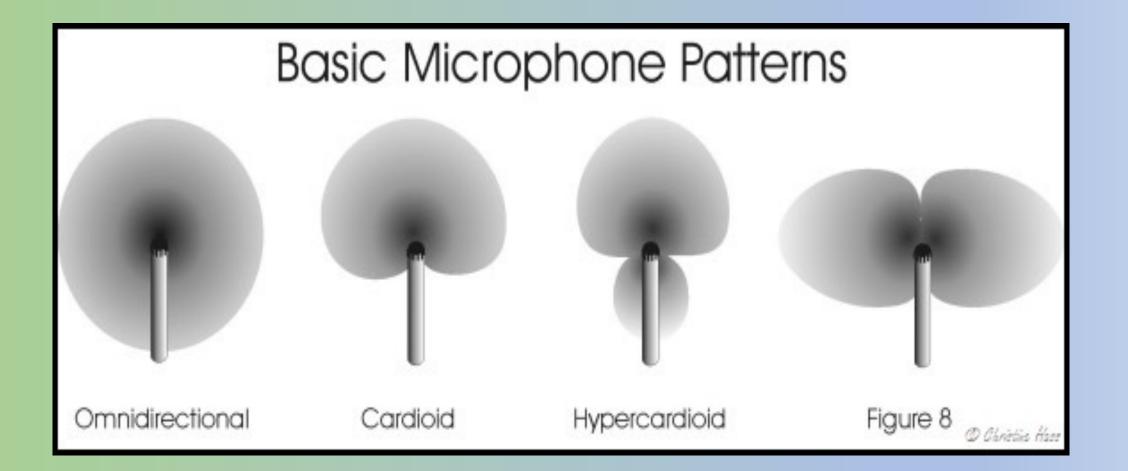
Microphones come in various shapes and sizes.

Handheld, Boom, Lavaliere and Wireless.

Each has a basic pattern for picking up the sound.



Microphone patterns



Sound boards and monitor

• MONITORS OR IN-EARS ARE FOR THE PERFORMERS/SPEAKER TO HEAR ON STAGE.





AV/PROJECTIONS & VIDEO TOM LUKES

100000

Manager St.

This is an ever-changing field.

Some basic stuff

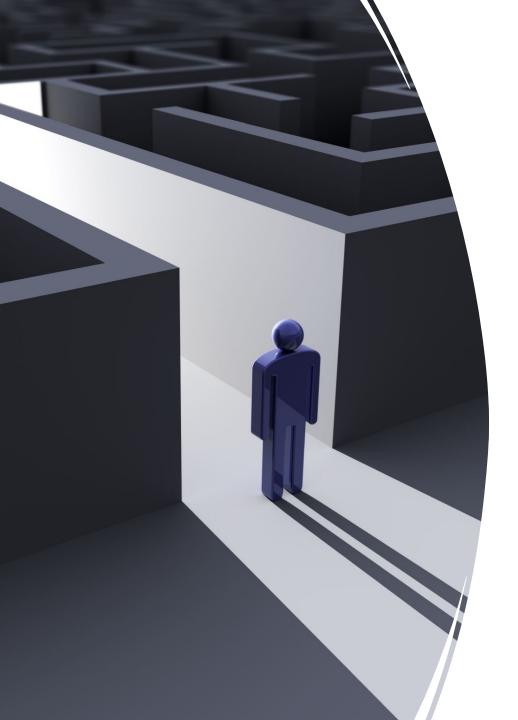
Projection Screens

Fast Fold set-up, Tripod set-up, Front Projection, Rear Projection

Video Walls

LCD, LED, blended projections, projection cubes

Connectors BNC, Triax, rj45, Fiber optic



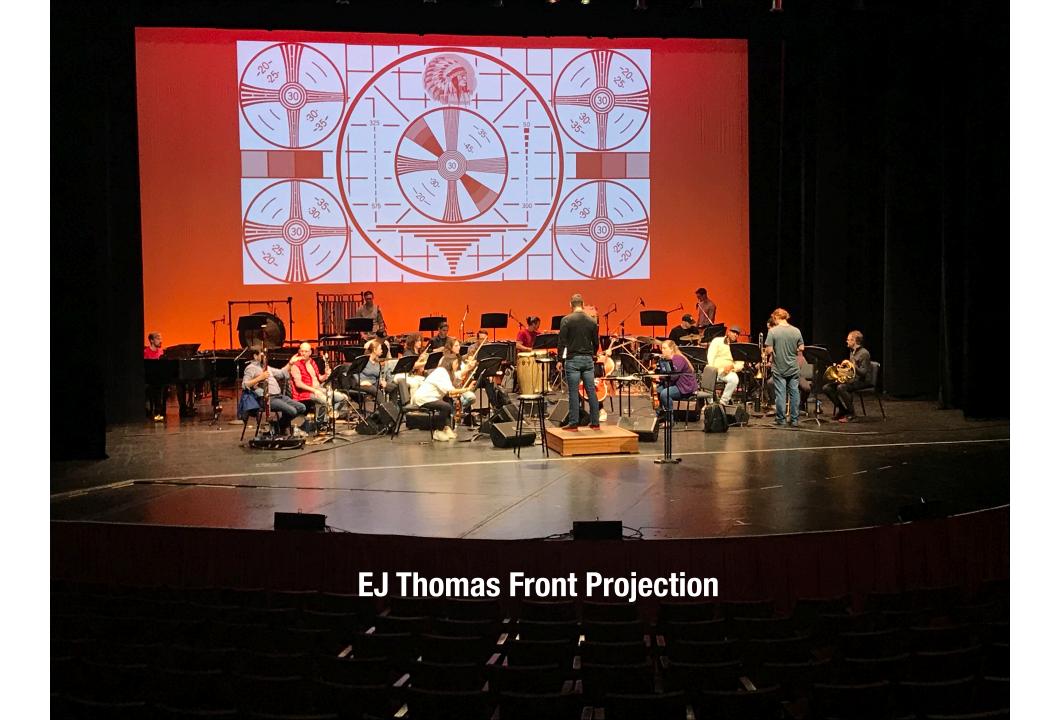
OLD AV Terms

- White Balance: When your camera **adjusts the white balance**, it's compensating for the color hue of your light source so the colors in your image stay true to reality. That is, the pure white parts of your image look white and don't pick a warmer or colder tone due to the hue of the light source. Most cameras automatically do this
- Keystoning: is a type of distortion caused when an image projector is not placed perpendicular to the centerline of the screen onto which an image is being projected. <u>The Keystone</u> <u>effect causes the image to appear as if it is being projected onto a</u> <u>tilted surface, and it appears to lean away from the viewer</u>

• Front and Rear projection Screens: The main difference between front and rear-projection materials is how the screen treats light. Rear projection setups rely on diffusing the light source to create an image. Alternatively, front projection depends on reflecting sources of light away from the screen. Both projection styles will take up different amounts of valuable space.







Blossom Orchestra Movie rear projection set-up



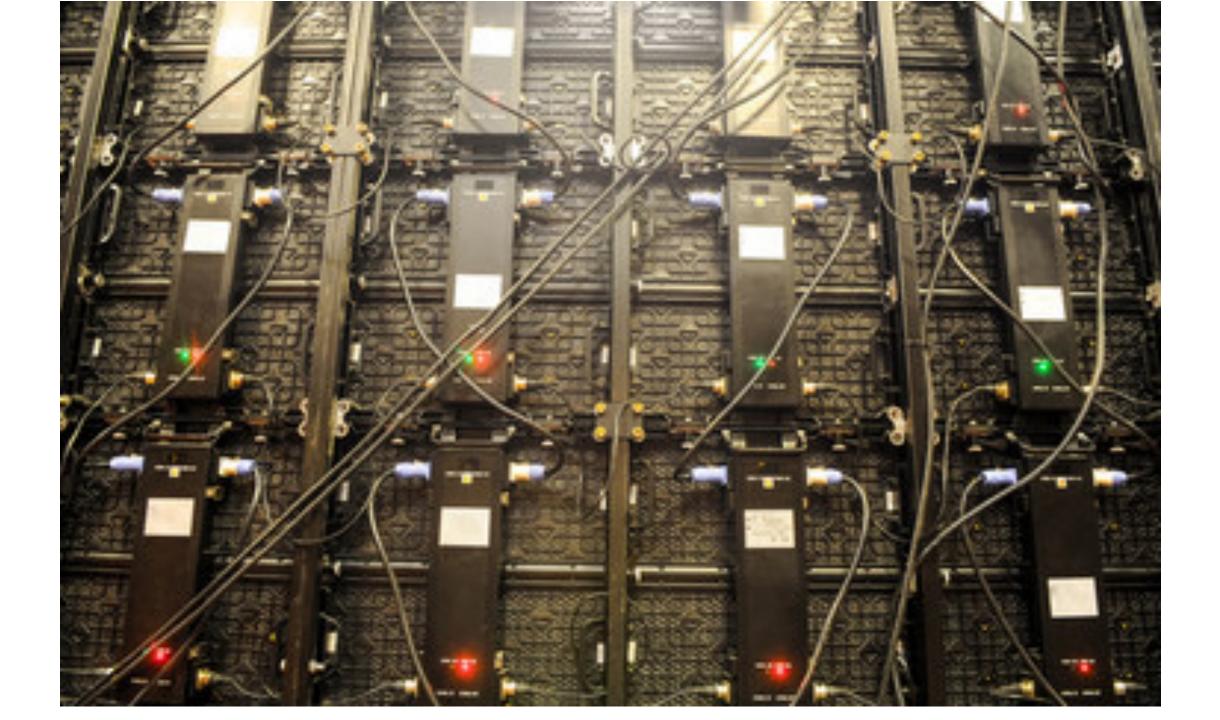
Blended Projection

Blossom Orchestra Movie video wall set-up



Video wall as part of a set at Akron Civic Theatre Projection Cubes

Back of video wall as part of a set at Akron Civic Theatre



Pro Football HOF Canton Civic Center

Connectors

• HDMI

- Most Common in consumer High-Definition video format.
- Loss of signal
- 15' when using standard cables.
- 325' when using fiber

• 19 pins

Passes high-quality audio and video signals

• Can send uncompressed video signals along with either compressed or uncompresses audio signals using a single cable.

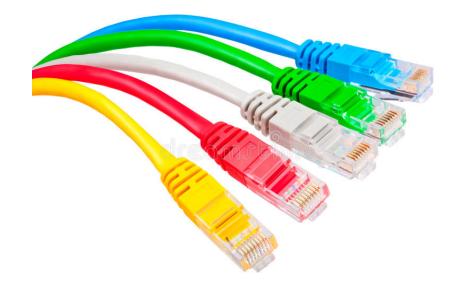


SDI or HD-SDI

- Serial Digital Interface
- Used in professional settings
- Loss of Signal 980'
- BNC connector with one pin







Triax cable female & male connectors

Cat 6 rj45 connectors



Fiber-optic camera cable male & female connectors



Pro Football HOF Jerry Jones Party video control fly pack set-up

3:30:07 PH

-

132530

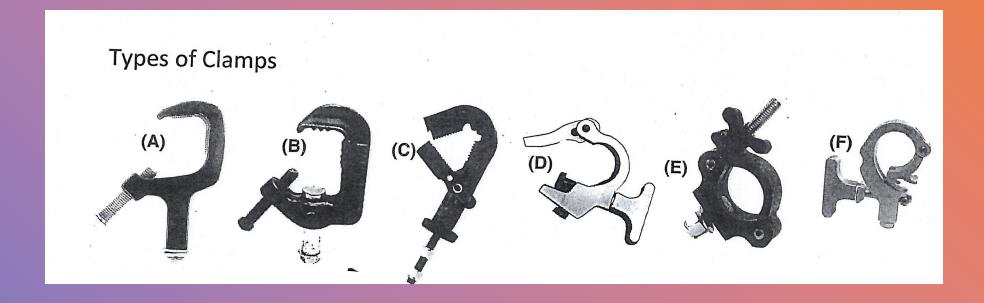
GET PUN

Blossom Orchestra FOH camera

LIGHTING

PATRICIA DONOVAN

JULIE SUMMY



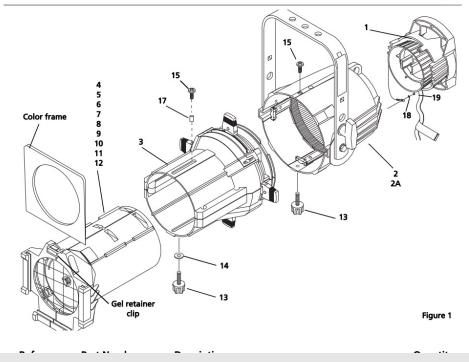
Types of c-clamps

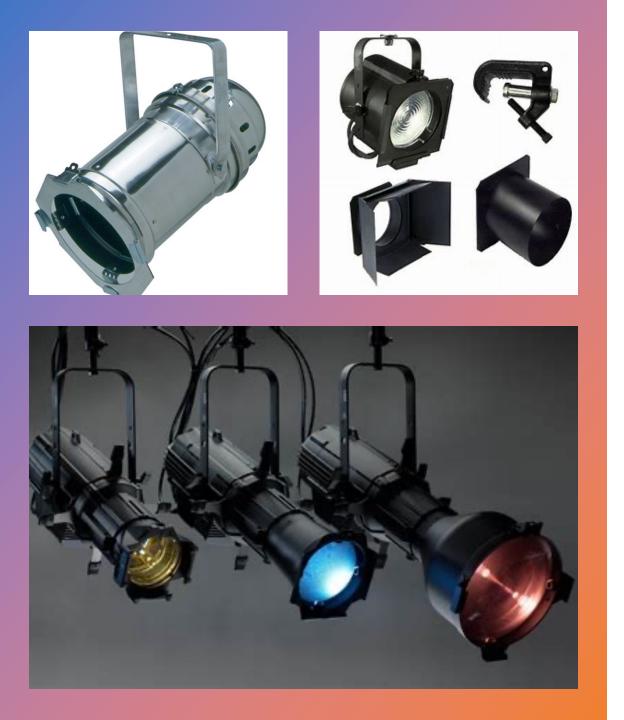
DON'T over tighten!

ETC Source four body

- Shutters to make cuts to the light
- Make sure that the gel frame is facing up. The metal clip on the lens train.
- Has a gobo (template) slot. Need a holder
- A Gobo is a pattern that fits into the holder and creates that image in light.
- When focusing you will be asked to flag a light. Just wave your hand in front of the instrument.
- This unit and all units should have a safety, which is a wire cable that clips around the light and the batten.
- Also called a leko or ers (ellipsoidal reflector spotlight)
- Don't over tighten the C-clamp

Basic Luminaire





Par can, source 4 (leko or ERS), fresnel

- Lens in a Fresnel is a step lens. Think light house
- Need to add barn doors/top hat to cut the light. In a leko it's the shutters that cut the light.
- Fresnel lights are general much softer than a leko.
- Par fixtures are low-cost, highly flexible luminaires designed for diverse applications. Intensity and beam spread are a function of the installed light source, so any one unit can serve multiple purposes simply by changing the lamp type.
- Don't over tighten the c-clamp.

Connectors

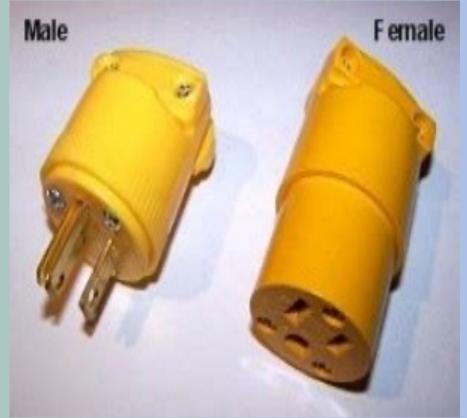


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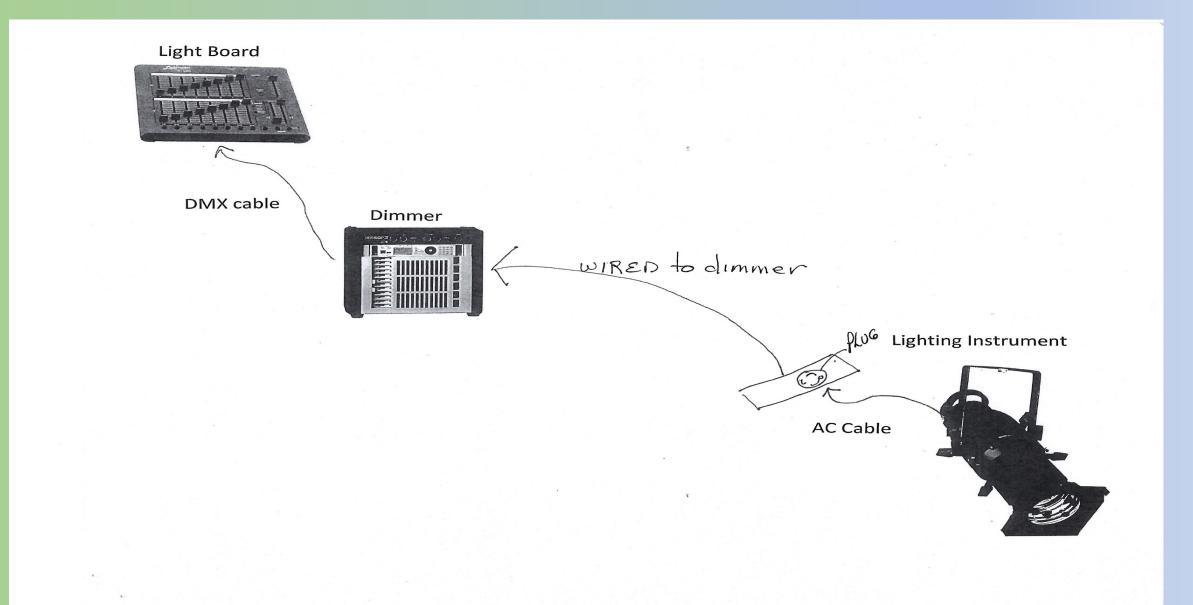




Connectors and cables

- 3pin cable and plugs
- Edison plug is a 110v plug.
- Two fers (3fers) can be used with any two lights that you want to work together. Just remember watch the wattage.

Basic Lighting Set-up

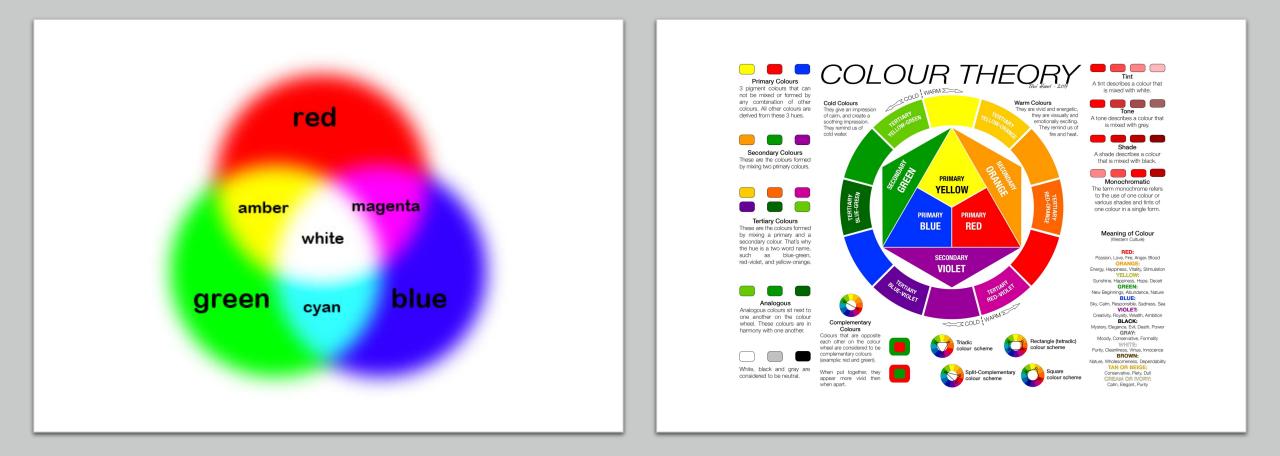


Gels and filters are the same generally A&B goes into a leko.

USE a safety cable when hanging a light. It wraps around the batten.

Remember to hang units with the gel frame up. Do not over tighten the C-clamp when attaching the unit to the pipe.

Lighting color theory vs scenic color



Cam-locks

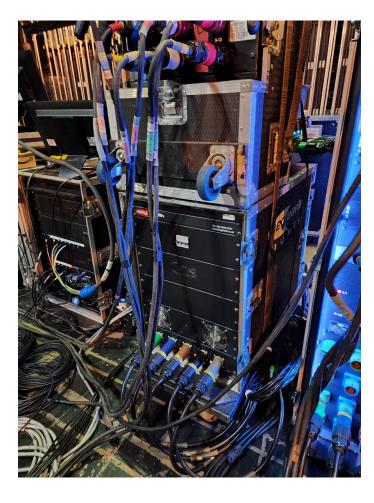
• Green= Ground

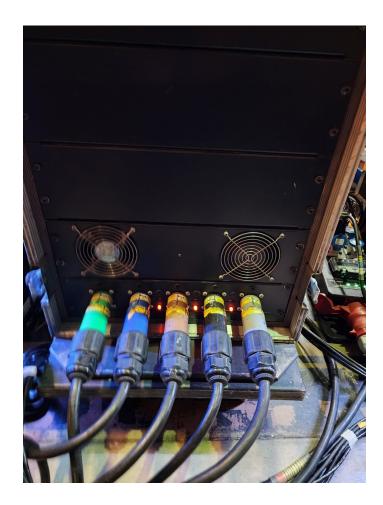
Always tied in first and tied out last

Always tied in second and tied out 2nd to last

- White=Neutral
- Black=Hot Leg 1
- Red= Hot Leg 2
- Blue=Hot Leg 3

Dimmer Beach Photo Akron Civic Theatre







Lighting Troubleshooting

TROUBLE SHOOTING ELECTRICS

- 1. Is the unit plugged in?
- 2. Does the circuit have power? Cross plug another unit to see If not, why not?
 - Is the dimmer up?

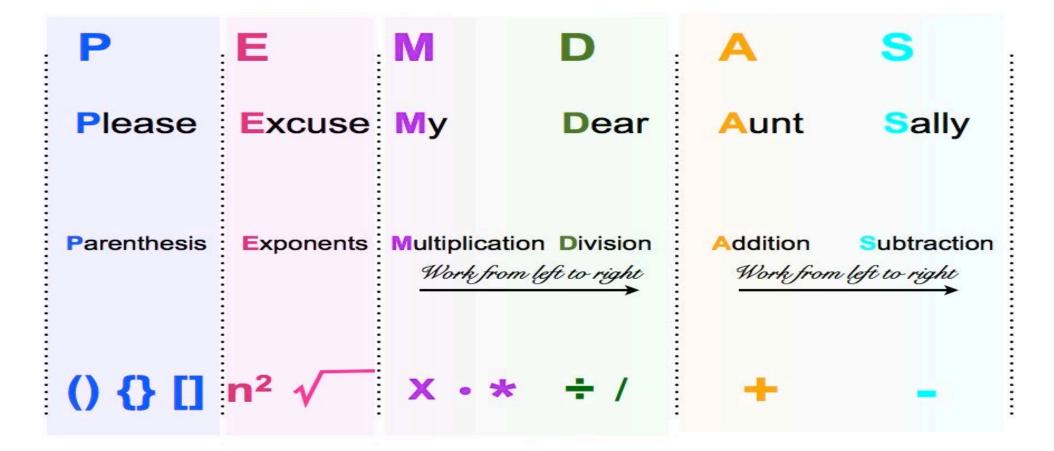
Is the dimmer on? This might be a last step at E. J. because the dimmers are in the basement

 If the circuit is hot, is the lamp good?
 First bring up a circuit next to the unit and cross plug If you get light, the lamp is good

- 4. If the circuit is hot and the lamp is good, next comes taking the plug on the unit apart to see if there is a loose wire.
- 5. If you still can't get the unit to work, take it down and replace it and don't waste any more time. Put it on the bench with any information you have.
- 6. Always work from the easiest problem to solve (i.e. plugging in the unit) to the hardest problem (bad dimmer)

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Order of Operations





Simple Math

- Area (ft²) = Length x Width
- Basic addition, subtraction, multiplication, division

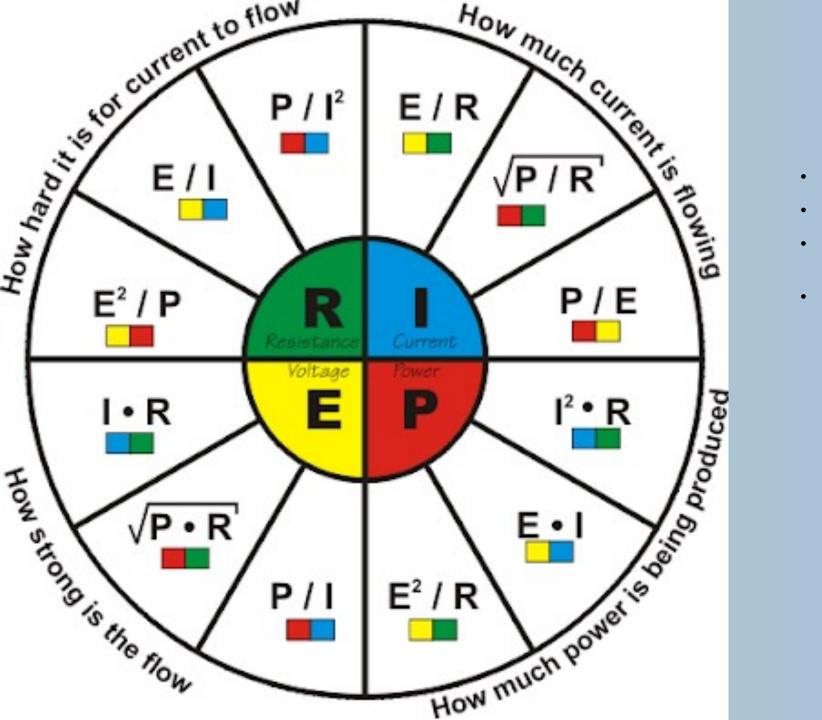
Examples of such!!

137x1184=162,208

27+147=174

127-89=38

27/9=3



Electrical Math

- **P** = Watts The rate of energy conversion
- **R** = Ohms The electrical resistance
- I = Amps The amount of electricity passing through a point
- **E** = Volts The potential electrical difference between two points



RIGGING PARTS AND KNOTS

MARK ASHMORE

&

Kellie Rossini

Rigging parts: spanset, shackles, thimbles and chain motors.

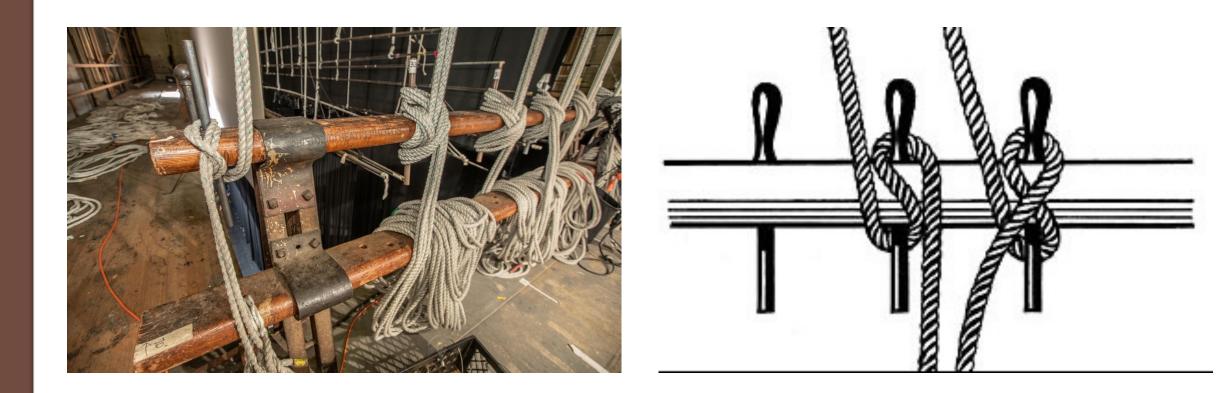




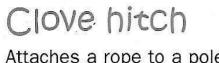




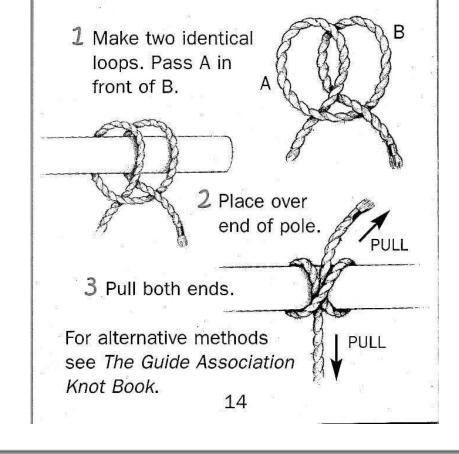
Pin rail tie off or Belay knot (Spreckels Theatre, San Diego)



CLOVE HITCH



Attaches a rope to a pole. Will not slip under strain if the pull is straight.



Clove Hitch knot

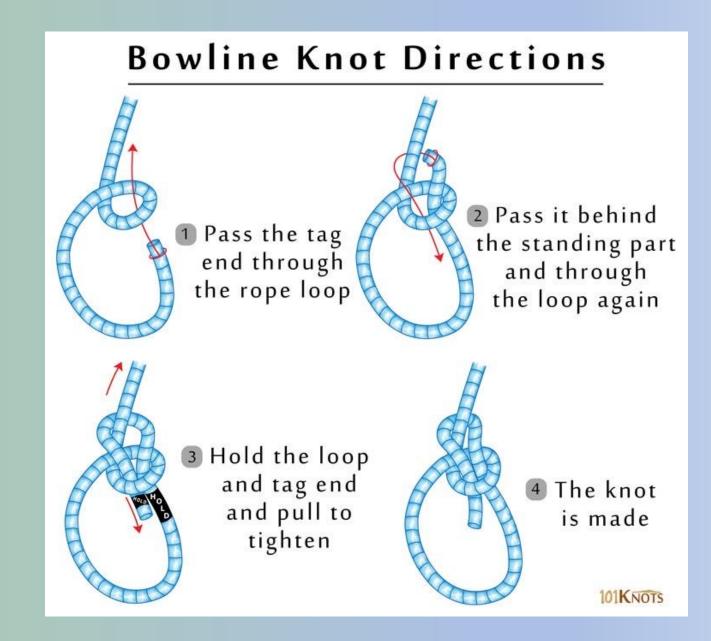
How to Tie the Clove Hitch Knot



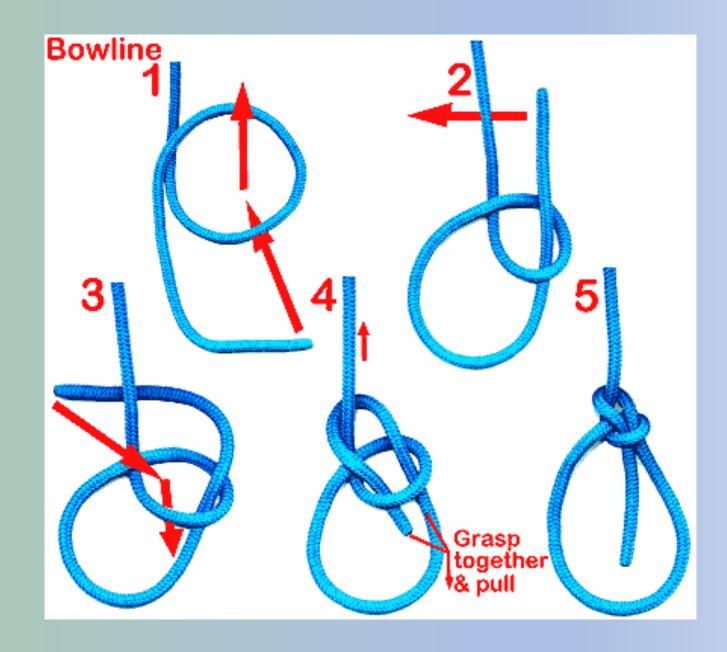
Pass the bitter end over the rail. Then, loop the bitter end back over the standing part.

Lift up the loop. Pass the bitter end underneath the loop. Pull on the bitter end and bunch the turns up at the same time. Remove all slack to tighten the knot.

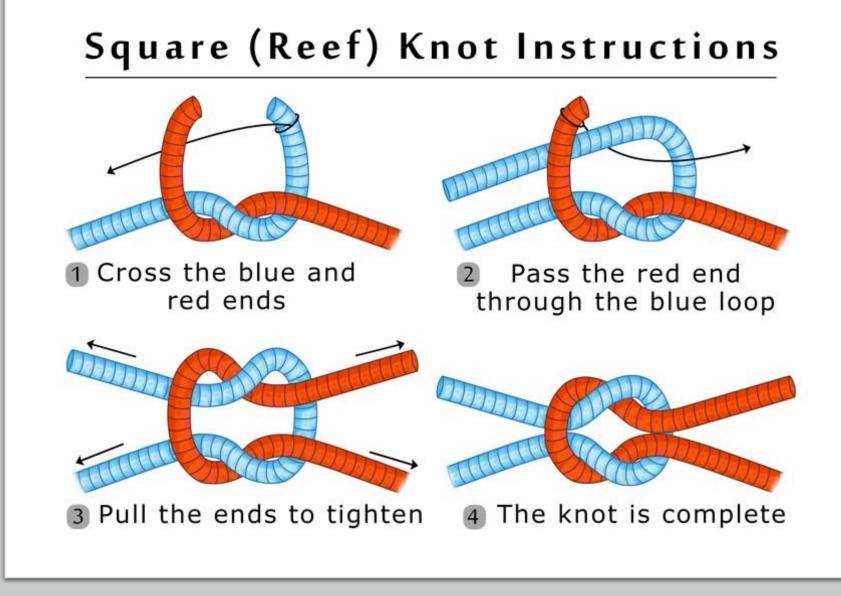
Bowline knot



Bowline



Square knot



Other items to be aware of

Truck safety

Pay attention

Keep talking to a minimum

Watch how boxes come off truck

ej run the railwatch where fingers and toes are

ONE person talks to tow motor driver they generally choose that person Get yourself a set of gloves and shoes. Might have to go thru many pairs to figure out which type you like

Above all NO SMOKING ON ramp or near truck.

- Finally check website this power point is under the Education tab.
- Also, look at our general work rules. There are questions taken from here for the test.
- Some of our places have dress code. Yes, you can wear shorts at EJ, Canton, Blossom and Civic but the must be seamed shorts NO Cut OFFs. Knight Center collared shirts with no logos on them and NO Shorts there.
- Please watch the language on your shirts.
- Test is Five dollars (\$5.00) cash for administrative costs.

TOOLS (Don't leave them in your car)

Multi tool	C wrench	Hammer
Phillips screwdriver	Flat headed screwdriver	Side cutters
Needle nose pliers	Multi meter	Tape measure



Theater Information

$1 \longrightarrow 2 \longrightarrow 3 \longrightarrow 4 \longrightarrow 5 \longrightarrow 6 \longrightarrow$

Civic loading dock address is 55 west Bowery ST. This is were most of the shows will be. Civic front address 182 South Main street

AKRONCIVIC COM

Knight stage 176 South Main Street. (glass doors before the Civic Marquee) Can get thru under the Civic Marquee. EJ Thomas is 131 Hill street. Go to Blue stage door. Goodyear 1201 East Market Street, Akron 44305 Canton Memorial Civic 1101 Market Ave North. Have money for parking and lunch.