



Pennsylvania Shakespeare Festival
 Summer 2018
Main Stage Rep Budget
 Version 3
 6/22/2018

Budget Overview

	Budget Goals	Cost Est.	Build Est. Hrs.	Load In. Est. Hrs.
Shakespeare in Love	\$ 9,376.00	\$10,968.00	118	135
King Richard II	\$ 9,376.00	\$ 5,775.00	191	140
Rep Common Elements**	\$ -	\$ 1,425.00	83	84
Contengency (Labor 25%) at 10%		\$ 2,009	98	90
Total:	\$ 18,752.00	\$ 18,752	406	364
Difference:		\$0		

Main Stage Rep Available Hours

Title Hrs./Week	Build 5 June 11-16	Build 6 June 18-23	Build 7 June 25-30	Build 8 July 1-7	Build 9 July 9-14	Build 10 July 16-21
Shop Foreman	0	0	0	28	41	23
Senior Carpenter	0	13	37	28	41	28
Staff Carpenter	0	13	37	28	41	28
Staff Carpenter	0	13	37	28	41	28
Staff Carpenter	0	13	37	28	41	28
Junior Carpenter	0	13	37	28	41	28
Carp Intern	0	9	24	28	41	28
Run Crew Intern	0	5	15	28	41	28
Spot Light Intern	0	5	15	28	41	28
Deck Chief	0	5	15	28	41	28
Overhire 1	---	8	37	48	---	---
Overhire 2	---	5	15	---	---	---
Overhire 3	---	---	---	---	---	---
Total:	0	102	306	328	410	275

T.Night & Ragtime Notes Rep Build	T.Night Notes Rep Build	Rep Build	Festival Changeover Rep Load In	Rep Notes	Rep Notes
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** All Rep Common budget money is included for statistical purposes. It is not counted twice in final totals

Notes on Labor:

- Shop Foreman build hours reduced for management tasks.
- Build 5 hours reduced for Musical and T.Night work.
- Build 6 Intern hours reduced for changeover
- Build 7 hours reduced for double day off. Intern hours further reduced for changeover.
- Build 7 hours reduced 1 hour per person for company meeting.
- Build 8 hours reduced for Musical Strike.



Overall Main Stage Rep Labor Summary

Available Main Stage Rep Build and Load In Hrs.: 736

Estimated Rep Build Hrs.: 406

Estimated Rep Load In Hrs.: 364

Rep Build Hrs. Needed: -2

Rep Load In Hrs. Needed: 36



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Difference:		\$0		

Shakespeare in Love

	Cost Est.	Percent Cost of Budget	Build Est. Hrs.	Load In Est. Hrs.
1. Hard Legs*	\$ 386.00	4%	24	8
2. Up Center Wall with Doors *	\$ 971.00	10%	56	50
3. Upstage Escape Stairs *	\$ 68.00	1%	3	8
4. Floor *- CUT	\$ -	0%	0	0
5. Soft Goods *	\$ -	0%	0	18
6. Misc. *- CUT	\$ -	0%	0	0
7. Trap	\$ 675.00	7%	20	29.5
8. Center Wagon Unit	\$ 2,832.00	30%	26	15
9. SR Balcony Unit	\$ 1,119.00	12%	20	15
10. SL Octagon Unit	\$ 1,063.00	11%	25	42
11. Upper Balcony A	\$ 352.00	4%	9	11
12. Upper Balcony B	\$ 290.00	3%	6	7
13. Upper Balcony C	\$ 824.00	9%	13	15
14. Bed	\$ 2,388.00	25%	0	0
Sub Total:	\$ 10,968.00	117%	200.00	218.5
Contingency at 10%	\$ 1,097	12%	50.00	54.625
Total:	\$ 12,065	129%	250.00	273.125

Main Stage Rep Available Hours

Title Hrs./Week	Build 5 June 11-16	Build 6 June 18-23	Build 7 June 25-30	Build 8 July 1-7	Build 9 July 9-14	Build 10 July 16-21
Total:	0	102	306	328	410	275
	T.Night & Ragtime Notes Rep Build	T.Night Notes Rep Build	Rep Build	Festival Changeover Rep Load In	Rep Notes	Rep Notes

* Considered Rep Common Element

Available Main Stage Rep Build and Load In Hrs.: 736

Total Rep Build Hrs. Needed:	-2
Total Rep Load In Hrs. Needed:	36

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Shakespeare in Love



1. Hard Legs*

Two sets of legs built from Lumber. Each will be rigged with its pair and will fly.

Build

Task	Crew #	Hours	Total
Cutlist	1	2	2
Assemble frames	1	8	8
Rip planks	2	3	6
Skin Flats	2	3	6
Prep Rigging Cables	1	2	2
			0
			0
		Total	24

Load In

Task	Crew #	Hours	Total
Rig to fly	4	2	8
			0
			0
		Total	8

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Framing	1x4x16	16	ea	\$11.00	\$176.00
Plywood Skin	3/8" CDX Plywood	8	4x8	\$20.00	\$160.00
Rigging	Rigging Materials	2	ea	\$25.00	\$50.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
			Total		\$386.00

* Considered Rep Common Element

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2. Up Center Wall with Doors *

The upcenter wall and doors are constructed from 1x4, 2x4 and 3/8" CDX plywood. Hinges are budgeted for the escape doors in the side walls.

Build

Task	Crew #	Hours	Total
Surround-Cutlist	1	2.5	2.5
Surround- Framing	1	9	9
Surround- Rip plywood	2	3.25	6.5
Surround- Attach plywood	2	5	10
Doors-Cutlist	1	1	1
Doors- Assemble Frames	1	4	4
Doors-Plywood cutlist	2	1.5	3
Doors-Attach plywood	2	2	4
Fabricate Pivots	1	2	2
Prep Rigging	1	2	2
Jacks- Clean Steel	1	0.5	0.5
Jacks- Cut Steel	1	2	2
Jacks- Drill holes	1	2	2
Jacks- Jig	1	2	2
Jacks- Weld	1	2	2
Build Trap	1	3	3
		Total	55.5

Load In

Task	Crew #	Hours	Total
Install surround Wall	6	2	12
Install show traps	4	2	8
Install Doors	4	3	12
Install towers	6	2	12
Install Jacks	2	1	2
Troubleshoot spinning	2	2	4
		Total	50

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Wall Framing	1x4x16	24	ea	\$11.00	\$264.00
Wall Skin	3/8" CDX Plywood	12	4x8	\$20.00	\$240.00
Header Framing	1x4x16	12	ea	\$11.00	\$132.00
Header Skin	3/8" CDX Plywood	7.5	4x8	\$20.00	\$150.00
Header Trim	1x4x16	10	ea	\$11.00	\$110.00
Rigging	Rigging Materials	3	ea	\$25.00	\$75.00
				Total	\$971.00

* Considered Rep Common Element

Prepared By:
Aaron Mayer- Technical Director



3. Upstage Escape Stairs *

Two escape stairs will be installed upstage of the center wall. A landing platform will be constructed leading down to stock stair units

Build

Task	Crew #	Hours	Total
Fabricate Landings	1	3	3
	0	0	0
	0	0	0
		Total	3

Load In

Task	Crew #	Hours	Total
Install Landings	2	2	4
Install Stairs	2	2	4
	0	0	0
	0	0	0
		Total	8

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Landing Framing	2x4x16	2	ea	\$8.00	\$16.00
Landing Deck	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
				Total	\$68.00

* Considered Rep Common Element

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4. Floor *- CUT

The stage floor will be covered with planks of 1/2" CDX plywood laid with no gaps. Floor is stained

Build

Task	Crew #	Hours	Total
Rip plywood planks	0	0	0
			0
		0	0
		Total	0

Load In

Task	Crew #	Hours	Total
Layout Points	0	0	0
Install plywood planks	0	0	0
	0	0	0
	0	0	0
		Total	0

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Plywood	1/2" Plywood CDX	0	4x8	\$22.00	\$0.00
Fasteners	3/4" Brads	0	box	\$80.00	\$0.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
				Total	\$0.00

* Considered Rep Common Element



5. Soft Goods *

Various soft good swill be hung.

Build

Task	Crew #	Hours	Total
None	0	0	0
			0
			0
Total			0

Load In

Task	Crew #	Hours	Total
Install Soft Goods	6	3	18
			0
			0
Total			18

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
Total					\$0.00

* Considered Rep Common Element

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6. Misc. *- CUT

Welding deck for jiggling all the steel frames; Screws for attaching all the plywood to the steel frames; labor included for time away to CNC parts

Build

Task	Crew #	Hours	Total
Assemble deck	0	0	0
CNC time	0	0	0
		0	0
Total			0

Load In

Task	Crew #	Hours	Total
None	0	0	0
			0
			0
Total			0

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Welding Deck	Plywood CDX	0	4x8	\$26.00	\$0.00
Screws	Tek Screws	0	300pk	\$28.00	\$0.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
				Total	\$0.00

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7. Trap

The 4x8 apron trap will be used. 2 trap doors will be installed in the trap plug; one swings up, the other swings down. In the orchestra pit an escape platform with stairs will be constructed. Finally steps will be built for actors as needed and padding will be located in the trap room as needed.

Build

Task	Crew #	Hours	Total
Fabricate trap plug	1	3	3
Rig trap doors	1	2	2
Fabricate escape platform	1	2	2
Fabricate escape stairs	1	4	4
Fabricate escape railings	1	4	4
Fabricate actor steps	1	3	3
Fabricate legs	1	2	2
			0
			0
		Total	20

Load In

Task	Crew #	Hours	Total
Pull stage trap plugs	4	1	4
Instlal show trap plug	4	1	4
Deck trap with maso	1	0.5	0.5
Troubleshoot trap doors	1	2	2
Install Escape platform with legs	4	1	4
Instlal Stairs	2	3	6
Install handrails	2	4	8
Install padding for actors	1	1	1
			0
			0
		Total	29.5

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Trap Plug	3/4" Plywood CDX	4	4x8	\$26.00	\$104.00
Trap Door Hinges	Piano Hinge MCM: 15665A309	2	ea	\$20.00	\$40.00
Trap covers	1/4" Masonite	1	4x8	\$22.00	\$22.00
Escapes: Platform framing	2x4x16	3	ea	\$8.00	\$24.00
Escapes: Platform deck	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Escapes: Handrail	1x4x16	3	ea	\$11.00	\$33.00
Escapes: Handrail	2x4x16	4	ea	\$8.00	\$32.00
Escapes: Stairs	2x12x12	2	ea	\$21.00	\$42.00
Escapes: Stairs	3/4" Plywood CDX	3	4x8	\$26.00	\$78.00
Escapes: Steps for actors	3/4" Plywood CDX	3	4x8	\$26.00	\$78.00
Escapes: Legs	2x4x16	12	ea	\$8.00	\$96.00
Escapes: Padding	Misc. Hardware	2	ea	\$25.00	\$50.00

Prepared By:

Aaron Mayer- Technical Director



Escapes: Hardware	Misc. Hardware	2	ea	\$25.00	\$50.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
				Total	\$675.00

* Considered Rep Common Element

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8. Center Wagon Unit

The center wagon is all wood construction with various dimensional and plywood members. The unit will be complete with handrails. The unit will be on casters.

Build

Task	Crew #	Hours	Total
Fabricate base platform	1	4	4
Fabricate top platform	1	5	5
Fabricate bottom legs	1	0.5	0.5
Fabricate top leg structure	1	4	4
Fabricate roofs	0	0	0
Fabricate pedestals	1	1	1
Fabricate handrail	1	3	3
Fabricate bracing brackets	1	8	8
			0
			0
		Total	25.5

Load In

Task	Crew #	Hours	Total
Install Casters on wagon	1	1	1
Attach legs to second level	4	2	8
Assemble roofs	0	0	0
Fly and attach roofs	0	0	0
Install handrail	2	2	4
Create rep connections	2	1	2
			0
			0
		Total	15

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Wagon- Frame	2x4x16	4	ea	\$8.00	\$32.00
Wagon- Deck	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
Wagon- Planks	3/8" CDX Plywood	2	4x8	\$20.00	\$40.00
Wagon- Casters	Triple Swivel Casters	8	ea	\$0.00	\$0.00
Second Level: Frame	2x4x16	7	ea	\$8.00	\$56.00
Second Level: Deck	3/4" Plywood CDX	3	4x8	\$26.00	\$78.00
Second Level: Skin	3/8" CDX Plywood	3	4x8	\$20.00	\$60.00
Second Level: Beadboard	11/32" Beadboard	3	4x8	\$22.00	\$66.00
Roofs: Framing	1x4x16	8	ea	\$11.00	\$88.00
Roofs: Beadboard	11/32" Beadboard	6	4x8	\$22.00	\$132.00
Roofs: Shingles	3/8" CDX Plywood	8	4x8	\$20.00	\$160.00
Top Legs: Legs	4x4x10	14	ea	\$36.00	\$504.00
Top Legs: Applique	3/4" Plywood CDX	6	4x8	\$26.00	\$156.00
Top Legs: Soffit	1x6x16	4	ea	\$16.00	\$64.00
Top Legs: Structure	2x4x16	4	ea	\$8.00	\$32.00
Bottom Legs	4x4x10	8	ea	\$36.00	\$288.00

Prepared By:

Aaron Mayer- Technical Director



Diagonal Brackets	2x6x16	3	ea	\$14.00	\$42.00
Diagonal Brackets	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Pedastals	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Handrail: Baluster	36" Baluster	34	ea	\$6.00	\$204.00
Handrail: Angle Bracket	Angle Bracket MCM: 17715A72	34	ea	\$2.00	\$68.00
Handrail: Frame	1x4x16	2	ea	\$11.00	\$22.00
Handrail: Frame	2x4x16	2	ea	\$8.00	\$16.00
Curtain Track	ADC 170 Track	20	ft	\$23.00	\$460.00
Curtain Carriers	ADC 170 Track Carrier	20	ea	\$8.00	\$160.00
Curtains- Props	---	0	--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
				Total	\$2,832.00

* Considered Rep Common Element

Pennsylvania Shakespeare Festival

Summer 2018

Shakespeare in Love



9. SR Balcony Unit

The SR Balcony wagon is all wood construction with various dimensional and sheet goods. The unit is on casters. The base has been extended to hold the balcony overhang and legs have been added.

Build

Task	Crew #	Hours	Total
Fabricate wagon platform	1	4	4
Fabricate upper platform	1	3	3
Fabricate Legs	1	0.5	0.5
Fabricate top leg structure	1	3	3
Fabricate roofs	0	0	0
Fabricate Pedestals	1	1	1
Fabricate handrails	1	4	4
Fabricate bracing brackets	1	4	4
	0	0	0
	0	0	0
Total			19.5

Load In

Task	Crew #	Hours	Total
Install Casters on wagon	1	1	1
Attach legs to second level	4	2	8
Assemble roofs	0	0	0
Fly and attach roofs	0	0	0
Install handrail	2	2	4
Create rep connections	2	1	2
	0	0	0
	0	0	0
Total			15

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Platforms: Framing	2x4x16	6	ea	\$8.00	\$48.00
Platforms: Deck	3/4" Plywood CDX	3	4x8	\$26.00	\$78.00
Platforms: Skin	3/8" CDX Plywood	3	4x8	\$20.00	\$60.00
Platforms: Beadboard	11/32" Beadboard	1.5	4x8	\$22.00	\$33.00
Platforms: Casters	Triple Swivel Casters	5	ea	\$0.00	\$0.00
Doors	3/4" Plywood CDX	4	4x8	\$26.00	\$104.00
Roofs: Frame	1x4x16	0	ea	\$11.00	\$0.00
Roofs: Beadboard	11/32" Beadboard	0	4x8	\$22.00	\$0.00
Roofs: Shingles	3/8" CDX Plywood	0	4x8	\$20.00	\$0.00
Bottom: Legs	4x4x10	6	ea	\$36.00	\$216.00
Top Legs: Frame	4x4x10	5	ea	\$36.00	\$180.00
Top Legs: Applique	3/4" Plywood CDX	4	4x8	\$26.00	\$104.00
Top Legs: Soffit	1x6x16	0	ea	\$16.00	\$0.00
Top Legs: Frame	2x4x16	2	ea	\$8.00	\$16.00
Pedestals	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00

Prepared By:

Aaron Mayer- Technical Director



Handrail: Baluster	36" Baluster	15	ea	\$6.00	\$90.00
Handrail: Angle Bracket	Angle Bracket MCM: 17715A72	15	ea	\$2.00	\$30.00
Handrail: Frame	1x4x16	2	ea	\$11.00	\$22.00
Handrail: Frame	2x4x16	2	ea	\$8.00	\$16.00
Bracing	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Router Bit	Misc. Hardware	1	ea	\$25.00	\$25.00
Door Knobs	Misc. Hardware	1	ea	\$25.00	\$25.00
Door Hinges	Piano Hinge MCM: 15665A309	1	ea	\$20.00	\$20.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
				Total	\$1,119.00

* Considered Rep Common Element

Pennsylvania Shakespeare Festival

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10. SL Octagon Unit

The octagon unit will be constructed from wood with steel legs under the stairs. The unit will have various CNC'd finishes.

Build

Task	Crew #	Hours	Total
Fabricate base wagon	1	3	3
Assemble center spiral column	1	8	8
Assemble treads	1	2	2
Fabricate top landing	1	3	3
Fabricate handrail sections	1	3	3
Fabricate roof structure	0	0	0
Shingle roof	0	0	0
Prep roof rigging	0	0	0
Prep roof skirt	0	0	0
Posts	1	2	2
Fabricate brackets	1	4	4
	0	0	0
	0	0	0
		Total	25

Load In

Task	Crew #	Hours	Total
Install casters on wagon	1	1	1
Assemble unit with spiral stairs	4	8	32
Fly and attach roof	0	0	0
Add handrails	2	2	4
Install roof skirt	0	0	0
Install scrim panels	1	3	3
Install brackets	1	2	2
			0
			0
		Total	42

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Wagon: Framing	2x4x16	4	ea	\$8.00	\$32.00
Wagon: Deck	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
Wagon: Skin	3/8" CDX Plywood	2	4x8	\$20.00	\$40.00
Wagon: Casters	Triple Swivel Casters	4	ea	\$0.00	\$0.00
Wagon: Facing	3/8" CDX Plywood	1	4x8	\$20.00	\$20.00
Landing Platform: Frame	2x4x16	2	ea	\$8.00	\$16.00
Landing Platform: Deck	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Landing Platform: Skin	3/8" CDX Plywood	1	4x8	\$20.00	\$20.00
Spiral: Treads	3/4" Plywood CDX	4	4x8	\$26.00	\$104.00
Spiral: Center Post	2x4x12	4	ea	\$5.00	\$20.00
Spiral: Risers	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00

Prepared By:

Aaron Mayer- Technical Director



Spiral: Center Pipe	1-1/4" Schedule 40 Pipe	1	21' Stick	\$30.00	\$30.00
Spiral: Pipe flange	1.25" Pipe Flange	1	ea	\$9.00	\$9.00
Screens	3/4" Plywood CDX	6	4x8	\$26.00	\$156.00
Handrail posts	4x4x10	1	ea	\$36.00	\$36.00
Handrail Horizontal	1x4x16	1	ea	\$11.00	\$11.00
Handrail Panels	3/4" Plywood CDX	2.5	4x8	\$26.00	\$65.00
Roof: Frame	1x4x16	0	ea	\$11.00	\$0.00
Roof: Panels	3/4" Plywood CDX	0	4x8	\$26.00	\$0.00
Roof: Beadboard	11/32" Beadboard	0	4x8	\$22.00	\$0.00
Roof: Shingles	3/8" CDX Plywood	0	4x8	\$20.00	\$0.00
Roof: Posts	4x4x10	1	ea	\$36.00	\$36.00
Roof: Finials	Finial	2	6pk	\$25.00	\$50.00
Legs	4x4x10	8	ea	\$36.00	\$288.00
Brackets	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
				Total	\$1,063.00

* Considered Rep Common Element

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11. Upper Balcony A

Balcony A will be constructed from wood. The entril unit will be placed on a wagon and finished with railings

Build

Task	Crew #	Hours	Total
Fabricate wagon	1	3	3
Fabricate platform	1	3	3
Fabricate legs	1	1	1
Fabricate handrail	1	2	2
	0	0	0
	0	0	0
		Total	9

Load In

Task	Crew #	Hours	Total
Install casters on wagon	1	1	1
Assemble	4	2	8
Create rep connection	2	1	2
	0	0	0
	0	0	0
		Total	11

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Wagon-Frame	2x4x16	2	ea	\$8.00	\$16.00
Wagon: Deck	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Wagon: Skin	3/8" CDX Plywood	1	4x8	\$20.00	\$20.00
Wagon: Casters	Triple Swivel Casters	6	ea	\$0.00	\$0.00
Platform: Frame	2x4x16	2	ea	\$8.00	\$16.00
Platform: Deck	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Platform: Skin	3/8" CDX Plywood	1	4x8	\$20.00	\$20.00
Legs	4x4x10	4	ea	\$36.00	\$144.00
Railings	4x4x10	1	ea	\$36.00	\$36.00
Railings	2x4x16	1	ea	\$8.00	\$8.00
Pedestal	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Xbracing	2x6x16	1	ea	\$14.00	\$14.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
			Total		\$352.00

* Considered Rep Common Element

Pennsylvania Shakespeare Festival

Summer 2018

Shakespeare in Love



12. Upper Balcony B

Balcony B will be constructed from wood. The entril unit will be placed on a wagon and finished with railings

Build

Task	Crew #	Hours	Total
Fabricate wagon	1	2	2
Fabricate platform	1	2	2
Fabricate legs	1	1	1
Fabricate handrail	1	1	1
			0
			0
		Total	6

Load In

Task	Crew #	Hours	Total
Install casters on wagon	1	1	1
Assemble	4	1	4
Create rep connections	2	1	2
			0
		Total	7

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Wagon-Frame	2x4x16	1	ea	\$8.00	\$8.00
Wagon: Deck	3/4" Plywood CDX	0.5	4x8	\$26.00	\$13.00
Wagon: Skin	3/8" CDX Plywood	0.5	4x8	\$20.00	\$10.00
Wagon: Casters	Triple Swivel Casters	4	ea	\$0.00	\$0.00
Platform: Frame	2x4x16	1	ea	\$8.00	\$8.00
Platform: Deck	3/4" Plywood CDX	0.5	4x8	\$26.00	\$13.00
Platform: Skin	3/8" CDX Plywood	0.5	4x8	\$20.00	\$10.00
Legs	4x4x10	4	ea	\$36.00	\$144.00
Railings	4x4x10	1	ea	\$36.00	\$36.00
Railings	2x4x16	1	ea	\$8.00	\$8.00
Pedestal	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Xbracing	2x6x16	1	ea	\$14.00	\$14.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
			Total		\$290.00

* Considered Rep Common Element

Pennsylvania Shakespeare Festival

Summer 2018

Shakespeare in Love



13. Upper Balcony C

Balcony C will be constructed from wood. The entril unit will be placed on a wagon and finished with railings

Build

Task	Crew #	Hours	Total
Fabricate wagon	1	5	5
Fabricate platform	1	5	5
Fabricate legs	1	1.5	1.5
Fabricate handrail	1	1	1
			0
			0
Total			12.5

Load In

Task	Crew #	Hours	Total
Install casters on wagon	1	1	1
Assemble	4	3	12
Create rep connections	2	1	2
			0
			0
Total			15

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Wagon-Frame	2x4x16	6	ea	\$8.00	\$48.00
Wagon: Deck	3/4" Plywood CDX	3	4x8	\$26.00	\$78.00
Wagon: Skin	3/8" CDX Plywood	3	4x8	\$20.00	\$60.00
Wagon: Casters	Triple Swivel Casters	10	ea	\$0.00	\$0.00
Platform: Frame	2x4x16	6	ea	\$8.00	\$48.00
Platform: Deck	3/4" Plywood CDX	3	4x8	\$26.00	\$78.00
Platform: Skin	3/8" CDX Plywood	3	4x8	\$20.00	\$60.00
Legs	4x4x10	9	ea	\$36.00	\$324.00
Railings	4x4x10	2	ea	\$36.00	\$72.00
Railings	2x4x16	2	ea	\$8.00	\$16.00
Pedestal	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Xbracing	2x6x16	1	ea	\$14.00	\$14.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
Total					\$824.00

* Considered Rep Common Element

Pennsylvania Shakespeare Festival

Summer 2018

Shakespeare in Love



14. Bed

The bed will be constructed from wood and is finished with trim and a track for curtains. All soft goods are budgeted with props. Props will construct the unit.

Build

Task	Crew #	Hours	Total
Props	0	0	0
			0
			0
Total			0

Load In

Task	Crew #	Hours	Total
Props	0	0	0
			0
			0
Total			0

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Bed frame	3/4" Plywood CDX	5	4x8	\$26.00	\$130.00
Bed trim	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Scrim Panels	1/2" Plywood CDX	3	4x8	\$22.00	\$66.00
Scrim borders	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Wall	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Canopy	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
Canopy	1/2" Plywood CDX	1	4x8	\$22.00	\$22.00
Molding	Dykes 165B Crown	24	lnft	\$2.00	\$48.00
Posts	3/4" Plywood CDX	1	4x8	\$26.00	\$26.00
Posts	1/2" Plywood CDX	1	4x8	\$22.00	\$22.00
Casters	Triple Swivel casters	4	ea	\$0.00	\$0.00
Track	Flex track straight track	16	ft	\$93.00	\$1,488.00
Track	Flex track curves	2	ea	\$116.00	\$232.00
Track	Flex track carriers	20	ea	\$5.00	\$100.00
Track	Flex track end stops	2	ea	\$6.00	\$12.00
Track	Flex track handing plate	8	ea	\$14.00	\$112.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
			Total		\$2,388.00

* Considered Rep Common Element



Pennsylvania Shakespeare Festival
 Summer 2018
Main Stage Rep Budget
 Version 3
 6/22/2018

Budget Overview

	Budget Goals	Cost Est.	Build Est. Hrs.	Load In. Est. Hrs.
Shakespeare in Love	\$ 9,376.00	\$10,968.00	118	135
King Richard II	\$ 9,376.00	\$ 5,775.00	191	140
Rep Common Elements**	\$ -	\$ 1,425.00	83	84
Contengency (Labor 25%) at 10%		\$ 2,009	98	90
Total:	\$18,752.00	\$ 18,752	406	364
Difference:		\$0		

King Richard II

	Cost Est.	Percent Cost of Budget	Build Est. Hrs.	Load In Est. Hrs.
1. Towers	\$ 2,173.00	23%	68	70
2. Second Level Runway Platforms	\$ 1,014.00	11%	25	30
3. Stair Unit	\$ 598.00	6%	28	2
4. Throne Platform	\$ 280.00	3%	8.5	1
5. Throne	\$ 210.00	2%	0	0
6. Sunburst	\$ 671.00	7%	31	16
7. Broken Sunburst	\$ 829.00	9%	30	21
8. Tables	\$ -	0%	0	0
9. Benches	\$ -	0%	0	0
Sub Total:	\$ 5,775.00	61.59%	190.5	140
Contengency at 10%	\$ 577.50	6.16%	48	35
Total:	\$ 6,352.50	67.75%	238	175

Main Stage Rep Available Hours

Title	Build 5 June 11-16	Build 6 June 18-23	Build 7 June 25-30	Build 8 July 1-7	Build 9 July 9-14	Build 10 July 16-21
Hrs./Week						
Total:	0	102	306	328	410	275
T.Night & Ragtime Notes Rep Build		T.Night Notes Rep Build	Rep Build	Festival Changeover Rep Load In	Rep Notes	Rep Notes

* Considered Rep Common Element

Available Main Stage Rep Build and Load In Hrs.: 736

Total Rep Build Hrs. Needed:	-2
Total Rep Load In Hrs. Needed:	36

Pennsylvania Shakespeare Festival

Summer 2018

King Richard II



1. Towers

The towers are all wood construction. The units will be on triple swivel casters.

Build

Task	Crew #	Hours	Total
Fabricate base wagon	1	8	8
Fabricate 2nd level platform	1	6	6
Fabricate 3rd level platform	1	4	4
Fabricate stringers	1	16	16
Cut treads	1	16	16
Fabricate brackets	1	8	8
Fabricate legs	1	4	4
Fabricate spears	1	6	6
Total			68

Load In

Task	Crew #	Hours	Total
Install casters on wagon	1	2	2
Assemble Units	4	16	64
Spike and create rep connections	2	2	4
Total			70

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Stairs: Stringers	2x12x16	12	ea	\$36.00	\$432.00
Stairs: Treads	3/4" Plywood CDX	6	4x8	\$26.00	\$156.00
Stairs: Nosing	2x4x16	6	ea	\$8.00	\$48.00
Wagon: Frame	2x4x16	8	ea	\$8.00	\$64.00
Wagon: Deck	3/4" Plywood CDX	4	4x8	\$26.00	\$104.00
Wagon: Casters	Triple Swivel Casters	12	ea	\$0.00	\$0.00
Second Level: Frame	2x4x16	8	ea	\$8.00	\$64.00
Second Level: Deck	3/4" Plywood CDX	4	4x8	\$26.00	\$104.00
Second Level: Railing	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
Third Level: Frame	2x4x16	4	ea	\$8.00	\$32.00
Third Level: Deck	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
Third Level: Railing	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
Third Level: Spears	Spear	11	ea	\$7.00	\$77.00
Bracing	2x8x16	6	ea	\$0.00	\$0.00
Legs	4x4x10	26	ea	\$36.00	\$936.00
Total					\$2,173.00

* Considered Rep Common Element

Pennsylvania Shakespeare Festival

Summer 2018

King Richard II



2. Second Level Runway Platforms

The runway platforms will be all wood construction with dimensional and plywood framing

Build

Task	Crew #	Hours	Total
Fabricate wagons	1	4	4
Fabricate platforms	1	4	4
Fabricate legs	1	1	1
Fabricate railings	1	8	8
Fabricate bracing brackets	1	8	8
			0
			0
		Total	25

Load In

Task	Crew #	Hours	Total
Install Casters on wagons	1	2	2
Assemble units	4	6	24
Create rep connections	2	2	4
	0	0	0
		Total	30

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Wagon: Framing	2x4x16	7	ea	\$8.00	\$56.00
Wagon: Deck	3/4" Plywood CDX	3	4x8	\$26.00	\$78.00
Wagon: Skin	3/8" CDx Plywood	3	4x8	\$20.00	\$60.00
Wagon: Casters	Triple Swivel Casters	12	ea	\$0.00	\$0.00
Platform: Framing	2x4x16	7	ea	\$8.00	\$56.00
Platform: Deck	3/4" Plywood CDX	3	4x8	\$26.00	\$78.00
Platform: Skin	1/2" Plywood CDX	3	4x8	\$22.00	\$66.00
Legs	4x4x10	6	ea	\$36.00	\$216.00
Railing	4x4x10	2	ea	\$36.00	\$72.00
Railing	3/4" Plywood CDX	6	4x8	\$26.00	\$156.00
Railing	1x4x16	16	ea	\$11.00	\$176.00
Brackets	2x8x16	3	ea	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
			Total		\$1,014.00

* Considered Rep Common Element

Pennsylvania Shakespeare Festival

Summer 2018

King Richard II



3. Stair Unit

The stair unit and wagon is all wood construction with steel stair tread supports. The wagon will be on casters. The unit is finished with CNC skins

Build

Task	Crew #	Hours	Total
Clean steel	1	1	1
Cut steel	1	3	3
Drill holes in steel	1	1	1
Jig/Weld steel	1	4	4
Fabricate treads	1	6	6
Fabricate wagon	1	5	5
Assemble Unit	2	4	8
	0	0	0
	0	0	0
		Total	28

Load In

Task	Crew #	Hours	Total
Install casters on wagon	1	1	1
Install rep connections	1	1	1
	0	0	0
	0	0	0
		Total	2

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Wagon: Frame	2x4x16	2	ea	\$8.00	\$16.00
Wagon: Deck	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
Wagon: Casters	Triple Swivel Casters	4	ea	\$0.00	\$0.00
Treads	2x12x12	10	ea	\$21.00	\$210.00
Sides	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
Fronts	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
Steel	1.5"x16ga. Box Tube	4	24' Stick	\$28.00	\$112.00
Trim	3/4" Plywood CDX	4	4x8	\$26.00	\$104.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
			Total		\$598.00

* Considered Rep Common Element



4. Throne Platform

The throne platform will be built from wood, the unit will be planked with 5/4" boards. The unit will have standard lever wagon brakes.

Build

Task	Crew #	Hours	Total
Fabricate wagon	1	3	3
Fabricate platform	1	2	2
Fabricate legs	1	0.5	0.5
Assemble Unit	2	1.5	3
	0	0	0
	0	0	0
		Total	8.5

Load In

Task	Crew #	Hours	Total
Create Rep connections	1	1	1
	0	0	0
	0	0	0
		Total	1

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Wagon: Framing	2x4x16	3	ea	\$8.00	\$24.00
Wagon: Decking	5/4x6x16	4	ea	\$20.00	\$80.00
Wagon: Casters	Triple Swivel Casters	4	ea	\$0.00	\$0.00
Platform: Framing	2x4x16	3	ea	\$8.00	\$24.00
Platform: Decking	5/4x6x16	4	ea	\$20.00	\$80.00
Legs	4x4x10	2	ea	\$36.00	\$72.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
				Total	\$280.00

* Considered Rep Common Element



5. Throne

The Throme is a build uip of plywood with 1x box beam legs. Need more info on construction

Build

Task	Crew #	Hours	Total
Props	0	0	0
	0	0	0
	0	0	0
Total			0

Load In

Task	Crew #	Hours	Total
Props	0	0	0
			0
Total			0

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Framing	3/4" Plywood CDX	2	4x8	\$26.00	\$52.00
Framing	3/8" CDX Plywood	2	4x8	\$20.00	\$40.00
Framing	1/4" Plywood BC	4	4x8	\$24.00	\$96.00
Framing	1x4x16	2	ea	\$11.00	\$22.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
Total					\$210.00

* Considered Rep Common Element

Pennsylvania Shakespeare Festival

Summer 2018

King Richard II



6. Sunburst

The sunburst is constructed from plywood and mirror plexi. The unit is rigged to fly.

Build

Task	Crew #	Hours	Total
Template and Cut rays	1	14	14
Mirror backer	1	1	1
Cut trim rings	1	5	5
Assemble rigging	1	3	3
Dry fit	4	2	8
	0	0	0
	0	0	0
Total			31

Load In

Task	Crew #	Hours	Total
Rig to fly	4	4	16
			0
			0
Total			16

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Sun rays	1/4" Plywood BC	14	4x8	\$24.00	\$336.00
Mirror backer	3/4" plywood CDX	1	4x8	\$26.00	\$26.00
Trim	1/4" Plywood BC	4	4x8	\$24.00	\$96.00
Trim	3/4" plywood CDX	1	4x8	\$26.00	\$26.00
Rigging	Rigging Materials	2	ea	\$25.00	\$50.00
Mirror Plexi	Mirror Plexi	1	4x4	\$137.00	\$137.00
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
Total					\$671.00

* Considered Rep Common Element

Pennsylvania Shakespeare Festival

Summer 2018

King Richard II



7. Broken Sunburst

The broken sunburst will be constructed from plywood and mirror plexi. The unit will be assembled at load in. A steel base armature will be built. The unit is rigged to fly. A steel arbor frame will be constructed to marry battens.

Build

Task	Crew #	Hours	Total
Template and Cut rays	1	14	14
Mirror backer	1	1	1
Cut trim rings	1	2	2
Assemble rigging	1	0.5	0.5
Armature: Clean steel	1	1	1
Armature: Cut Steel	1	1	1
Armature: Drill holes	1	1	1
Armature: Jig/Weld	1	2	2
Armature: Rigging	1	2	2
Arbor Frame: Clean Steel	1	0.5	0.5
Arbor Frame: Cut Steel	1	1	1
Arbor Frame: Drill holes	1	2	2
Arbor Frame: Jig/Weld	1	2	2
Total			30

Load In

Task	Crew #	Hours	Total
Install Armature	3	1	3
Install Arbor Frame/marry battens	2	1	2
Install Applique	2	8	16
			0
Total			21

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
Sun rays	1/4" Plywood BC	14	4x8	\$24.00	\$336.00
Mirror backer	3/4" plywood CDX	1	4x8	\$26.00	\$26.00
Trim	1/4" Plywood BC	4	4x8	\$24.00	\$96.00
Trim	3/4" plywood CDX	1	4x8	\$26.00	\$26.00
Rigging	Rigging Materials	2	ea	\$25.00	\$50.00
Mirror Plexi	Mirror Plexi	1	4x4	\$137.00	\$137.00
Armature	1.5"x16ga. Box Tube	3	24' Stick	\$28.00	\$84.00
Arbor Frame	3"x1" Box Tube	2	24' Stick	\$37.00	\$74.00
	---		--	\$0.00	\$0.00
				Total	\$829.00

* Considered Rep Common Element

Prepared By:
Aaron Mayer- Technical Director



8. Tables

Props

Build

Task	Crew #	Hours	Total
Props	0	0	0
			0
			0
Total			0

Load In

Task	Crew #	Hours	Total
Props	0	0	0
			0
			0
Total			0

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
Total					\$0.00

* Considered Rep Common Element



9. Benches

Props

Build

Task	Crew #	Hours	Total
Props	0	0	0
			0
			0
Total			0

Load In

Task	Crew #	Hours	Total
Props	0	0	0
			0
			0
Total			0

Material

Purpose	Material	NUMBER	Unit	UNIT COST	TOTAL COST
	---		--	\$0.00	\$0.00
	---		--	\$0.00	\$0.00
Total					\$0.00

* Considered Rep Common Element