

Pennsylvania Shakespeare Festival

Summer 2011 Season

Schubert Theatre Rep

8/2/2011

Version 4- Approved

<i>Schubert Theatre Rep</i>	Cost Estimated	Build Est. (hrs)	Load In Est. (hrs)
1 Common Elements	\$6,679.00	500	190
2 Sleeping Beauty	\$466.40	19	6.5
3 Comedy of Errors	PROPS	PROPS	PROPS
4 Two Noble Kinsmen	PROPS	PROPS	PROPS
Total	\$7,145	519	196.5

South Pacific Available Labor Estimates:

Title (Typical BUILD Hrs/wk)	Build 2	Build 3 Schubert Install Green Show Install	Build 4	Build 5	Build 6	Build 7
	May 15- 21	May 22-28	May 29-June4	June 5-11	July 10 - 16	July 17 - 23
Master Carp (48 hrs)	Sleeping Beauty	Sleeping Beauty	46	54	20	REP
Staff Carpenter (48 hrs)	Sleeping Beauty	Sleeping Beauty	46	54	20	REP
Staff Carpenter (48 hrs)	Sleeping Beauty	Sleeping Beauty	46	54	20	REP
Deck Chief (48 hrs)	Sleeping Beauty	Sleeping Beauty	30	42	12	REP
Carp/Run Staff (48 hrs)	Sleeping Beauty	Sleeping Beauty	46	54	20	REP
Carp Intern (48 hrs)	Sleeping Beauty	Sleeping Beauty	30	38	Running SP	REP
Carp Intern (48 hrs)	Sleeping Beauty	Sleeping Beauty	46	38	Running SP	REP
Weekly Totals	0	0	290	334	92 Notes Labor	0

Available BUILD and LOAD IN Labor

624

Mainstage REP Available Labor Estimates:

Title (Typical BUILD Hrs/wk)	Build 6	Build 7	Build 8	Build 9 Festival Changeover	Build 10	Build 11
	June 12-18	June 18-25	June 26-July 2	July 3-9	July 10 - 16	July 17 - 23
Master Carp (48 hrs)	34	52	40	51	54	28
Staff Carpenter (48 hrs)	34	52	40	51	54	28
Staff Carpenter (48 hrs)	34	52	40	51	54	28
Deck Chief (48 hrs)	SP Notes/Comedy	Comedy Notes	16	20	Running REP	Running REP
Carp/Run Staff (48 hrs)	34	52	40	20	Running REP	Running REP
Carp Intern (48 hrs)	Running SP	8	Running SP	20	Running REP	Running REP
Carp Intern (48 hrs)	Running SP	8	Running SP	20	Running REP	Running REP
Weekly Totals	136	224	176	233	162 Notes Labor	84

REP BUILD Labor Available (hrs):

536

REP LOAD IN Labor Available (hrs):

233

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<i>Common Elements</i>	Cost Estimated	Build Est. (hrs)	Load In Est. (hrs)
1 Second Level Structure	\$609.50	48	22
2 Escape Stairs and Railings	\$447.00	76	12
3 Main Wall	\$1,816.00	123	40
4 Proscenium Frame	\$513.00	45.5	20
5 SR/SL Above and Below Curtains	\$1,746.00	36	33
6 Upper Panel Inserts	\$422.00	74	14
7 Lower Graphic Panels	\$185.50	18.5	6
8 Cyc	\$192.00	4	18
9 Cyc Light Shelf	\$98.00	2.5	2
10 Mirror Panels	CUT	CUT	CUT
11 Runoff Platforms	\$42.00	2	5
12 Green Show Stage	\$0.00	24	0
<i>Common Elements Subtotal</i>	\$6,071.00	454	172
Contingency Less RENTAL at 10%	\$608	46	18
Total	\$6,679	500	190

Common Element and Sleeping Beauty Available Labor Estimates:

Title (Typical BUILD Hrs/wk)	Build 2	Build 3 Schubert Install Green Show Install	Build 4	Build 5	Build 6	Totals
	May 15- 21	May 22-28	May 29-June 4	June 5-11	June 12-18	
Master Carp (48 hrs)	45	48	South Pacific	South Pacific	SP Notes	93
Staff Carpenter (48 hrs)	45	48	South Pacific	South Pacific	SP Notes	93
Staff Carpenter (48 hrs)	45	48	South Pacific	South Pacific	SP Notes	93
Deck Chief (48 hrs)	21	48	16	South Pacific	Comedy Notes	85
Carp/Run Staff (48 hrs)	21	48	South Pacific	South Pacific	SP Notes	69
Carp Intern (48 hrs)	21	48	16	South Pacific	Running SP	85
Carp Intern (48 hrs)	21	48	South Pacific	South Pacific	Running SP	69
Seabear/Ian Smith (40 hrs)	40	40	--	--	--	80
Digger (40 hrs)	32	40	--	--	--	72
Weekly Totals	291	416	32 Notes Labor	0	0	739

Notes:

-Build 1 is planning for TD and ATD only.
 -Build and Load In labor combined because hours are fluid with the space available.
 -Build 2 hours reduced for Deck Chief and Interns because they start on Thursday, May 19.
 - Build 2: additional 2 hours reduced for each crew member for safety training.
 - Build 2: additional 1 hour reduced for moving from hotel to on campus housing.
 - Build 1 and 2: hours for overhire are limited to 40 to prevent overtime.

CE and SB Available BUILD and LOAD IN Labor (hrs): 707

Common Element BUILD Labor Estimated: 500

Common Element LOAD IN Labor Estimated: 190

Sleeping Beauty BUILD Labor Estimated: 19

Sleeping Beauty LOAD IN Labor Estimated: 6.5

Labor Needed (hrs): 8.5

#1 Second Level Structure

Description/Notes

The finished unit will included a walking surface approximately 4' wide and 40' long at **90.75"** from the stage floor. The upper walkway will be supported by metal legs welded to a cross member. Metal legs will be approx. 5' wide to support strip light shelf and/or act as supports for a wider deck in the future. Angle iron u-bolted to cross member will allow for attachment of stock decks. Stock decks (4) can be used for the main portion of the walking surface. Additional continuous 2x6 must be attached to the sides to span the joints between stock decks. This will result in a platform 4'-3" x 16' on either side of center. At center, a custom deck framed with 2x4 with framing 1' o.c. will have to be constructed to account for the 6' span. If additional support is needed, a second skin of 1' plywood (stock rake plywood) may be used over top. Stock decks will be bolted to metal leg assemblies. Leg assemblies will be lagged to deck thru angle iron feet. Feet are able to be rotated 90 degrees for future use. The holes they attach to will also allow for a leg stabilizer to be attached for storage. The entire structure will need to be braced to the building both SR/SL and US/DS for stability.

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Cut List: Steel Legs (SL)	2	2	4
2	SL: Drill holes for attachment to feet	1	1.5	1.5
3	SL: Jig and weld goal posts	2	3	6
4	Cut List: Angle Iron (AI)	2	1.5	3
5	AI: Drill holes for U-bolts	1	4	4
6	AI: Measure, place, and attach to legs	2	3	6
7	Cut List: Adjustable Feet (AF)	1	2	2
8	AF: Drill holes	1	4	4
9	Cut List: Custom Center Deck (CD)	1	1	1
10	CD: Assembly	1	1.5	1.5
11	Cut List: Stock Deck Continuous Beams	2	0.5	1
12	SD: Assembly	2	3	6
13	Transport to paints	4	1	4
14	Fabrication of stabilizers	1	4	4

TOTAL Build 48

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Transport to theatre	4	1	4
2	Layout leg locations	2	0.5	1
3	Attach center deck on ground, raise	4	1	4
4	Attach offstage leg to stock deck, raise end to meet center	4	1	4
5	Repeat for other side	4	1	4
6	Attach legs to deck	2	0.5	1
7	Install stablizers	2	2	4

TOTAL Load in 22

MATERIAL		Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	2x2x16g (.065")	Legs	24'	8	\$40.50	\$324.00
3	.125" x 1.5x1.5 angle iron	Feet	20'	1	\$20.00	\$20.00
4	.1875"x 2"x 3" Angle	Angle Iron Attachment	20'	1	\$42.00	\$42.00
5	U-Bolts (McM#: 3060T45)	Angle Iron Attachment	ea	16	\$3.00	\$48.00
6	Stock Decks (4x8)	Walking Surface	ea	4	STOCK	STOCK
7	2x6x16	Stock Deck Framing	ea	4	\$8.00	\$32.00
8	2x4x16	Custom Center Deck	ea	3	\$5.50	\$16.50
9	3/4 BC plywood	Custom Center Deck	4x8	1	\$35.00	\$35.00
10	2x4x16	Stabilizers	ea	4	\$5.50	\$22.00
11	3/4 BC plywood	Door Returns	4x8	2	\$35.00	\$70.00

TOTAL Materials \$609.50

#2 Escape Stairs and Railings

Description/Notes

Escapes and railings for the second floor. Typical escape construction: 2x12 stringers (2), 3/4 ply treads, 1/4 luan rise. Railings have 2x4 verticals bolted to stair sides and 1x4 hogstrough railing. Railings are 36" from nose of stair. All offstage railings are 36", unless noted. This includes the following: Escapes SR which have a 90 degree turn with flip up final/first 3 steps. Railings on offstage and onstage of main stair. Flip up unit does not have railings. Onstage: the DS edge of the walking surface will have a wall that will act as a safety barrier. US, however, will need a railing. preference would be for 32" min. approx 40' required. Current estimate reflects minimal 1x1x16g tube railing open to cyc behind. **May need luan at base to block cyc lights at platform level?** SL: Escapes down with a 90 degree turn onstage once into the scene dock. This does not need to move. Typical railing configuration. In addition, railings for end of platform and DS of platform for both SR/SL will be constructed to prevent fabric covered proscenium from damage.

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Cut List: SR Escapes (SRE)	2	4	8
2	SRE: Cut List Treads and Rises	2	2	4
3	SRE: Assembly	2	4	8
4	SRE: Railings Cut List	2	1.5	3
5	SRE: Railing Assembly	2	1.5	3
6	Cut List: SL Escapes (SRE)	2	4	8
7	SLE: Cut List Treads and Rises	2	1	2
8	SLE: Assembly	2	2	4
9	SLE: Railings Cut List	2	1.5	3
10	SLE: Railing Assembly	2	1.5	3
11	Offstage Railings Cut List (OR)	2	2	4
12	OR: Assembly	2	2	4
13	Onstage Railing Cut List - Steel (ON)	2	2	4
14	ON: Drill Holes	2	3	6
15	ON: Jig and weld	2	6	12
16				

TOTAL Build 76

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Place and attach escapes	4	1	4
2	Place and attach railings	2	4	8
3				

TOTAL Load in 12

	MATERIAL	PIECE/COMPONENT	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	2x12x16	Escape Stringers	ea	4	\$17.00	\$68.00
2	3/4 BC ply	Escape Treads	4x8	2	\$35.00	\$70.00
3	1/4 luan	Escape Rises	4x8	2	\$13.00	\$26.00
4	2x4x16	Escape Offstage Railings	ea	8	\$5.50	\$44.00
5	1x4x16	Escape Offstage Railings	ea	14	\$8.50	\$119.00
6	1"x1"x16g tube	Onstage Railings	24' length	4	\$20.00	\$80.00
7	1.5x1.5x.125" angle iron	Onstage Railings	20' length	2	\$20.00	\$40.00
8						
9						
10						

TOTAL Materials \$447.00

#3 Main Wall

Description/Notes

The assembled unit is approx 22' w x 15' tall (pro height). The unit is constructed from 1x4 in hollywood style. Skinned with 1/4" luan, 1/2" Ultralight MDF is then applied to the face with distinct gaps (everywhere but where seams of individual pieces will be). THIS ASSUMES GETTING 2 FULL DIAMONDS AND 2 HALF DIAMONDS FROM A SINGLE SHEET. THIS IS POSSIBLE IF THE DIAMONDS ARE APPROX. 30" x 72". The upper units will be built in as few pieces as possible. Where seams are necessary, the luan seam will be taped and painted to hide any crack; a 1/2" MDF diamond will then be attached over the seam to match the existing pattern. The framing where the graphic panels will be a rough opening. Meaning that a separate frame/panel assembly will be inserted, shimmed, and attached to the wall (think pre-hung door jamb into a rough stud wall). The openings for the panels in the DS face of the wall, however, will be cut, trimed, and finished prior to wall installation to minimize any genie/high work. Finally, the upper walls will have their luan and MDF skin overhang their frames to cover the second floor platforming and any mechanics necessary for doors below. DISCUSS WITH TD/ATD SPACE REQUIREMENTS. The upper walls will therefore rest atop the platform walking surface. The lower portions of the wall will be constructed similar to Broadway style to minimize clearances with the swinging of the door. The double swinging doors will use double acting hinges (purchased to minimize door thickness). Pivoting doors will NOT always fall closed; however, they can be spun 360 as much as desired (think Scooby-Doo or Monkees). Lower panels will be constructed similarly to upper.

BUILD	NUMBER OF		HOURS PER TASK
	CREW	HOURS	
1 Cut List: Upper Wall Frames (UW)	2	2	4
2 UW: Cut List Luan Skins	2	4	8
3 UW: Assembly of Upper Frames	2	4	8
4 UW: Skinning	2	8	16
5 UW: Assembly of wall onstage for diamond patterns, drill bolt holes	2	2	4
6 Cut List: Diamond Detail	2	8	16
7 Apply Diamond detail on upper section after painted	2	8	16
8 Cut List: Graphic Panel Trim	1	4	4
9 Double Swinging Doors(DS): Cut List	1	1	1
10 DS: Assembly	1	4	4
11 Lower Flats with Graphic Openings (LF): Cut List framing and skins	1	2	2
12 LF: Assembly	2	2	4
13 Pivoting Doors (PD): Cut List	2	2	4
14 PD: Assembly	2	4	8
15 Slider Doors (SD): Cut List	1	1	1
16 Pull Track Hardware and track sections	2	1.5	3
17 Modify existing hangers to accept panels	1	2	2
18 SD: Rig for sliding action	1	2	2
19 Lower Panels: Layout and apply diamond pattern	2	8	16
20			

TOTAL Build 123

LOAD IN	NUMBER OF		HOURS PER TASK
	CREW	HOURS	
1 Place and attach upper walls	4	2	8
2 Place lower sliders, track, rig	2	2.5	5
3 Attach and test spinning doors	2	2.5	5
4 Install Graphic panel flat	2	1	2
5 Hang Double swinging doors	2	2	4
6 Attach missing diamonds	2	4	8
7 Adjust diamond pattern	2	4	8
8			

TOTAL Load in 40

#3 Main Wall

MATERIAL		Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	Two-way door hinges (McM# 1540A13)	SR/L doors	ea			
2	Thrust Bearings (McM# 5909K31)	Pivoting Doors	ea	4	\$3.00	\$12.00
3	Thrust Bearing Washer (McM# 5909K44)	Pivoting Doors	ea	8	\$1.00	\$8.00
4	Shoulderbolt - (McM# 91264A632)	Pivoting Doors	ea	4	\$3.25	\$13.00
5	Mutual Plates - 3/8" tapped	Pivoting Doors	ea	4	STOCK	STOCK
6	Spacer (McM# 92377A500) for 1/2" pin	Pivoting Doors	ea	1	\$5.50	\$5.50
7	170 ADC Track - 1 @ 20'-0"	Center Sliding Doors	ea	1	STOCK	STOCK
11	Scenery Carriers (Modified Master Carriers)	Center Sliding Doors	ea	4	STOCK	STOCK
12	Turn Down Sheave	Center Sliding Doors	ea	1	STOCK	STOCK
13	Turn Around Sheave	Center Sliding Doors	ea	1	STOCK	STOCK
14	Tension Blocks (#2805 Rose Brand)	Center Sliding Doors	ea	1	STOCK	STOCK
15	1x4x16	Upper Wall Framing	ea	14	\$8.50	\$119.00
16	1/4 luan	Upper Wall Skin	4x8	9	\$13.00	\$117.00
17	2x4x16	Upper Wall Framing	ea	4	\$5.50	\$22.00
18	1/2" Ultralight MDF	Diamond Appliques	4x8	22	\$34.00	\$748.00
2	3/4 MDF	Panel/Door Trim	4x8	5	\$45.00	\$225.00
21	1x4x16	Lower Doors	ea	17	\$8.50	\$144.50
22	1/4 luan	Lower Doors	4x8	10	\$13.00	\$130.00
23	1/2" Ultralight MDF	Reverse Diamond App.	4x8	8	\$34.00	\$272.00
24						
25						
				TOTAL Materials \$1,816.00		

#4 Proscenium Frame

Description/Notes

Header: Large piece approx. 18" tall x 22' w x 15"D. Unit has a few recessed dentils across the length. These are recesses that are 1/2 MDF boxes. The unit will be constructed from 1/2 BC ply ribs and joined with ripped 1x4 cross members. Unit is skinned with 1/4 luan. Framing is spaced similar to bay spacing so pre-fab boxes can be attached to plywood framing and flush routed. Header will be thru bolted to Main Wall unit with Mutual Plates attached inside (nuts), but is supported by legs coming down.. Half spheres (<http://www.kitkraft.biz/product.php?productid=2554&cat=1263&page=3>) clear acrylic. Spheres attached with plywood circles on face of flat. Spheres glued with Powergrab to circles Side headers are framed with ripped 1x6 and skinned with 1/4 luan. . Legs: 1x6 attached to face of wall. Most offstage legs have a jog in them to cover proscenium edge.

BUILD		NUMBER OF		HOURS PER
		CREW	HOURS	TASK
1	Header (H): Cut List Frame and top trim	1	2	2
2	H: Cut List Skins	1	1.5	1.5
3	H: Cut List MDF Quoins	2	2	4
4	H: Assembly of MDF boxes for flush routing	1	4	4
5	H: Assembly	2	4	8
6	H: Flush route and clean up	2	2	4
7	H: Sphere attachment circles - cut and place	1	3	3
8	H: Glue on half spheres	1	1	1
9	Side Header (SH): Cut List	1	2	2
10	SH: Skin	2	1.5	3
11	SH: Top Trim attach	1	1	1
12	H and SH: Fill and sand	2	2	4
13	Legs (L): Cut List	2	1	2
14	L: Assemble	2	2	4
15	L: Fill and Sand	2	1	2

TOTAL Build 45.5

LOAD IN		NUMBER OF		HOURS PER
		CREW	HOURS	TASK
1	Rig hoists in grid	2	1	2
2	Assemble complete Header on ground	2	1	2
3	Rig and fly	6	1	6
4	Place and attach columns via Genie	2	2	4
5	Attach to deck and house pro	6	1	6
6				

TOTAL Load in 20

MATERIAL		Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	Foam balls (5")	Header Detail	ea	5	\$5.00	\$25.00
3	1x4x16	Main Header Frame	ea	15	\$8.50	\$127.50
4	3/4 BC Ply	Header Detail Attach	4x8	1	\$35.00	\$35.00
5	1/2 BC Ply	Main Header Frame	4x8	2	\$26.00	\$52.00
6	1/4 luan	Main Header Skin	4x8	4	\$13.00	\$52.00
7	1/2 MDF	Main Header Trim Boxes	4x8	1	\$35.00	\$35.00
8	1x6x16	Side Header Frame	ea	2	\$13.50	\$27.00
9	1/4 luan	Side Header Skin	4x8	1	\$13.00	\$13.00
10	1x4x16	Side Header Trim	ea	1	\$8.50	\$8.50
11	1x4x16	Column Returns	ea	8	\$8.50	\$68.00
12	1x6x16	Column Faces	ea	5	\$14.00	\$70.00

TOTAL Materials \$513.00

#5 SR/SL Above and Below Curtains

Description/Notes

Curtains as follows **BLUEBERRY COMMANDO: US Wall Door Masking (2)**: Each 54" w x 8' t stapled to 1x4 attached to wall. Wraps around door opening. **Exit Door Masking (R&L) (2)**: Curtains are approx 5'-6" with fullness (1 width of 118" w) x 8' t. Both are mounted to curtain rod (1" sch. 40) with grommets and rings. Chain at bottom. **Above Border**: 2'-9" finished height with pipe pocket. approx 48' long. Grommets and ties. **Above Blue Boxes (2)**: 3 walls, each 4' wide x 9'-3". Only half of each each side wall is framed to allow for actor pass-thru. **Crossover Masking (2)**: Broadway framed flats covered with 118" commando. Each is approx 8' t x 14' w. Frames attached to US columns. **Below Tabs (2)**: Tabs are 4' w with 100% fullness (118" w) with grommets and ties. Chain at bottom. Each curtain is approx 8' t. **Upper Tab Curtain (4 panels)**: IRIS ENCORE Each curtain of the pair is 9' x 4'-6" finished width (flat). Will play with 100%+ fullness. Sewn with simple hems on ONSTAGE side and light chain pocket at bottom. OFFSTAGE SIDE stapled to back of wall. Stapled to 1x4 battens that affix to back of pro. **Lower Split Curtain (4 panels)**: ROYAL BLUE ENCORE Each curtain of the pair is 7'-6" x 4'-6" finished width (flat). Will play with 100% + fullness Sewn with simple hems on side and light chain pocket at bottom.

BUILD	NUMBER OF		HOURS PER TASK
	CREW	HOURS	
1 US Wall Door Masking: Cut List	1	1	1
2 Exit Door Masking (EDM): Cut List Fabric	2	1	2
3 EDM: Layout and Grommet	2	2	4
4 EDM: Curtain Rod Fabrication	1	1	1
5 Above Border (AB): Cut List Fabric	2	0.5	
6 AB: Layout and Pin	2	1	
7 AB: Sew pocket	1	1	
8 AB: Grommet	1	2	2
9 Above Blue Boxes (ABB): Cut List 1x4	1	2	2
10 ABB: Frame Assembly	1	3	3
11 ABB: Cover with fabric	2	3	6
12 Crossover Masking (XM): Cut List 1x4	1	1.5	1.5
13 XM: Assembly	2	1.5	3
14 XM: Cover	2	1.5	3
15 Below Tabs (BT): Cut List Fabric	2	0.5	
16 BT: Layout and Pin	2	1	
17 BT: Sew pocket	1	1	
18 BT: Grommet	1	1.5	1.5
19 BT: Pull Track and carriers	1	1	1
20 Upper Tab Curtains (UTC): Cut List Fabric	2	0.5	
21 UTC: Layout and Pin	2	1	
22 UTC: Sew pocket and Onstage hem	1	2	
23 UTC: Grommet	1	1.5	1.5
24 UTC: Batten Fabrication	1	1	1
25 Lower Split Curtain (LSC): Cut List Fabric	2	0.5	
26 LSC: Layout and Pin	2	1	
27 LSC: Sew pocket and Onstage hem	1	2.5	
28 LSC: Grommet	1	1.5	1.5
29 Fabricate safety bar	1	1	1

TOTAL Build

36

#5 SR/SL Above and Below Curtains

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	US Wall Masking Attach plywood, staple fabric	2	3	6
2	Exit Door Masking	2	1	2
3	Above Border	2	2	4
4	Blue Boxes	2	2	4
5	Crossover Masking	4	1	4
6	Below Tabs	2	1.5	3
7	Upper Tab Curtains	2	2	4
8	Lower Split Curtain	2	2	4
9	Install Safety Bar	2	1	2
10				
TOTAL Load in				33

MATERIAL		Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	Blueberry Commando 54" w	US Wall Door Masking	yd	6	\$8.75	\$52.50
2	1x4x16	US Wall Door Masking	ea	4	\$8.50	\$34.00
3	Blueberry Commando 118" w	Exit Door Masking (R&L)	yd	6	\$19.50	\$117.00
4	3/4 conduit	Exit Door Masking (R&L)	21' length	2	\$50.00	\$100.00
5	Wall Mount Rail Fitting (McM# 4936T194)	Exit Door Masking (R&L)	ea	4	\$8.25	\$33.00
6	Curtain Rings	Exit Door Masking (R&L)	pk/12	2	\$7.00	\$14.00
7	Blueberry Commando 54" w	Above Border	yd	16	\$8.75	\$140.00
8	Blueberry Commando 54" w	Above Blue Boxes	yd	21	\$8.75	\$183.75
9	1x4x16	Above Blue Boxes	ea	14	\$8.50	\$119.00
10	Blueberry Commando 118" w	Crossover Masking Below	yd	10	\$19.50	\$195.00
11	1x4x16	Crossover Masking Below	ea	10	\$8.50	\$85.00
12	Blueberry Commando 54" w	Stair Face Masking	yd	3	\$8.75	\$26.25
13	1x4x16	Stair Face Masking	ea	2	\$8.50	\$17.00
14	Blueberry Commando 54" w	Tabs	yd	12	\$8.50	\$102.00
15	170 ADC (3'-3" l)	Tabs	ea	1	STOCK	STOCK
16	170 ADC (3'-2"l)	Tabs	ea	1	STOCK	STOCK
17	170 ADC Carriers	Tabs	ea	15	STOCK	STOCK
18	Blueberry Commando 118" w	Tabs	yd	6	\$19.50	
19	Iris Encore 15 oz	Upper Tab Curtiains	yd	14	\$15.50	\$217.00
20	1x4x16	Upper Tab Curtiains	ea	1	\$8.50	\$8.50
21	Tab Curtain Hook	Upper Tab Curtiains	ea	4	\$5.00	\$20.00
22	Royal Blue Encore	Lower Split Curtain	yd	12	\$15.50	\$186.00
23	Plated Jack Chain #10	Various Curtains	ft	100	\$0.63	\$63.00
24	3/4" conduit	Safety Bar	21' length	SCRAP	\$50.00	SCRAP
25	Wall Mount Rail Fitting (McM# 4936T194)	Safety Bar	ea	4	\$8.25	\$33.00
26						
27						
TOTAL Materials				\$1,746.00		

#6 Upper Panel Inserts

Description/Notes

The upper panels sizes are such, beginning SR to SL: Panel A (slides down): 30" x 42", Panel B (slides onstage): 60" x 24", Panel C: 48"x 48" (WHERE DOES THIS GO/MOVE? Split in middle and hinge? will effect framing), Panel D (slides up): 36" x 24", Panel E (slides up): 30" x 30". Each panel is constructed with a frame of ripped 1x. 1/4" MDF skins the front. This acts both as full size glue block, but also will create a rabbet for the graphic panels of SB to rest. Behind the frame is 3/16" Milk (sign white - lets 30% of light thru, glows) plexi. The plexi hangs past the frame and also acts as the guide for the sliding. The plexi rides in a 1/4" dado in the framing for the unit. The framing is a simple hollywood frame that will fit into the rough framing. Sash weights are attached to the frames where necessary (stock dead weights) with eye screws. Sheaves can either be Tuff Tugg or Block Division (see inventory).

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Panel A (A): Frame Cut List	1	2	2
2	A: Plexi and Panel Cut List	1	2	2
3	A: Frame Assembly	2	1	2
4	A: Panel Assembly	1	2	2
5	A: Assemble working unit	2	2	4
6	Panel B (C): Frame Cut List	1	2	2
7	B: Plexi and Panel Cut List	1	2	2
8	B: Frame Assembly	2	1	2
9	B: Panel Assembly	1	2	2
10	B: Assemble working unit	2	2	4
11	Panel C (C): Frame Cut List	1	2	2
12	C: Plexi and Panel Cut List	1	3	3
13	C: Frame Assembly	2	2	4
14	C: Panel Assembly	2	2	4
15	C: Assemble working unit	2	2.5	5
16	Panel D (D): Frame Cut List	1	2	2
17	D: Plexi and Panel Cut List	1	2	2
18	D: Frame Assembly	2	1	2
19	D: Panel Assembly	1	2	2
20	D: Assemble working unit	2	2	4
21	Panel E (E): Frame Cut List	1	2	2
22	E: Plexi and Panel Cut List	1	2	2
23	E: Frame Assembly	2	1	2
24	E: Panel Assembly	1	2	2
25	E: Assemble working unit	2	2	4
26	Prep for Paint (cover sliding areas, etc)	2	4	8
27				
28				
29				

TOTAL Build

74

Pennsylvania Shakespeare Festival

Summer 2011 Season

8/2/2011

Schubert Common Elements

Ben Stark, Technical Director

#6 Upper Panel Inserts

LOAD IN						
		NUMBER OF		HOURS PER		
		CREW	HOURS	TASK		
1	Transport to theatre	2	1	2		
2	Place, shim, attach	2	4	8		
3	Test movements	2	2	4		
4						
5						
TOTAL Load in						14
MATERIAL	Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE	
1	Sheaves	Counterweighting	ea	6	STOCK	STOCK
2	Router Bearing	Create Rabbet	ea	1	\$20.00	\$20.00
3	Tie line - 1/8" black	Counterweighting	100'	1	\$10.00	\$10.00
4	1x4x16	Panel A Frame	ea	2	\$8.50	\$17.00
6	1/8 milk plexi	Panel A Panel	ea	0.33	\$150.00	\$49.50
7	1x4x16	Panel B Frame	ea	2	\$8.50	\$17.00
9	1/8" milk plexi	Panel B Panel	ea	0.5	\$150.00	\$75.00
10	1x4x16	Panel C Frame	ea	2	\$8.50	\$17.00
12	1/8 milk plexi	Panel C Panel	ea	0.5	\$150.00	\$75.00
13	1x4x16	Panel D Frame	ea	3	\$8.50	\$25.50
15	1/8 milk plexi	Panel D Panel	ea	0.33	\$150.00	\$49.50
16	1x4x16	Panel E Frame	ea	2	\$8.50	\$17.00
18	1/8 milk plexi	Panel E Panel	ea	0.33	\$150.00	\$49.50
19						
20						
TOTAL Materials						\$422.00

#7 Lower Graphic Panels

Description/Notes

Graphic Panels constructed in similar fashion to sliding ones. 1x frame with milk plexi backing. Frame covered with 1/4 MDF, to create a niche for hard covered panel for SB. Should include a latch to keep the door closed when not in use. SR Panel approx. 30" x 24", SL Panel approx. 24" x 54"

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	SR Panel (SR): Frame Cut List	1	1	1
2	SR: Plexi and Panel Cut List	1	1.5	1.5
3	SR: Frame Assembly	2	1	2
4	SR: Panel Assembly	1	2	2
5	SR: Assemble working unit	2	1	2
6	SL Panel (SL): Frame Cut List	1	1	1
7	SL: Plexi and Panel Cut List	1	1.5	1.5
8	SL: Frame Assembly	2	1	2
9	SL: Panel Assembly	1	2	2
10	SL: Assemble working unit	2	1	2
11	Install latches	1	1.5	1.5
12				

TOTAL Build 18.5

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Transport to theatre	2	1	2
2	Place, shim, attach	2	1.5	3
3	Test movements	1	1	1
4				
5				
6				
7				
8				
9				
10				

TOTAL Load in 6

MATERIAL		Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	1x4x16	SR Frame	ea	1.5	\$8.50	\$12.75
3	1/8 Milk Plexi	SR Panel	ea	0.5	\$150.00	\$75.00
4	1x4x16	SL Frame	ea	1.5	\$8.50	\$12.75
6	1/8 Milk Plexi	SL Panel	ea	0.5	\$150.00	\$75.00
7	Latch (McM# 1820A26)	SR/L Panel	ea	2	\$5.00	\$10.00
8						

TOTAL Materials \$185.50

Pennsylvania Shakespeare Festival

Summer 2010 Season

8/2/2011

Schubert Common Elements

Ben Stark, Technical Director

#8 Cyc

Description/Notes

12' w FR Sky Blue Muslin running the length of the platform (approx. 32'). Muslin. Fabric will be stretched and attached to 1x4 frame (pre-painted black) attached to US wall of theatre with tap cons. Frame/stretching will require a door filler flat to be constructed, like in 2010.

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Door Filler (DF): Cut list and assembly	1	3	3
2	Stretching Frame Cut List	1	1	1
3	Send to paints			
4				
5				
6				
7				

TOTAL Build 4

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Install Door filler	2	1	2
2	Place and attach 1x4 frame to wall	2	4	8
3	Stretch Muslin	4	2	8
4				
5				
6				
7				
8				
9				

TOTAL Load in 18

MATERIAL		Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	1x4x16	Door Filler	ea	2	\$8.50	\$17.00
2	1/4 luan	Door Filler	4x8	1	\$13.00	\$13.00
3	1x4x16	Wall Frame	ea	6	\$8.50	\$51.00
4	140" wide Light Blue Muslin	Cyc	yd	12	\$9.25	\$111.00
5						
6						
7						
8						
9						
10						

TOTAL Materials \$192.00

Pennsylvania Shakespeare Festival

Summer 2010 Season

8/2/2011

Schubert Common Elements

Ben Stark, Technical Director

#9 Cyc Light Shelf

Description/Notes

Shelf approximately 16" deep running the length of the cyc and walking platform (about 32'). Height of Shelf to be approx. 84" from deck. Shelf will sit on fabricated platform legs and attach to them.

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Fabricate shelf from 1/2 ply and 1x4	1	2.5	2.5
2				
3				
5				
6				
7				
8				
TOTAL Build				2.5

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Transport to theatre and install	1	2	2
2				
3				
4				
5				
6				
7				
8				
9				
TOTAL Load in				2

MATERIAL		Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	U-Bolts (McM#: 3060T45)	Shelf Attachment	ea	4	\$3.00	\$12.00
2	1/2 BC Ply	Shelf	4x8	2	\$26.00	\$52.00
3	1x4x16	Shelf feet	ea	4	\$8.50	\$34.00
4						
5						
6						
7						
8						
9						
10						
TOTAL Materials						\$98.00

Pennsylvania Shakespeare Festival

Summer 2010 Season

8/2/2011

Schubert Common Elements

Ben Stark, Technical Director

#10 Mirror Panels

Description/Notes

Mirror panel frames and rigging saved from last summer. Needs new mylar shrink mirror and 1/4" rope.

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Pull Mirror Panels from Storage	2	1	2
2	Recover Mirror panels	2	2	4
3				
5				
6				
7				
8				
TOTAL Build				6

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Place and hang from grid	4	1.5	6
2				
3				
4				
5				
6				
7				
8				
9				
TOTAL Load in				6

MATERIAL		Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	Shrink Mirror	Mirror	54" x 30' roll	1	\$140.00	\$140.00
2						
3						
4						
5						
6						
7						
8						
9						
10						
TOTAL Materials					\$140.00	

#11 Runoff Platforms

Description/Notes

Assemble a runoff platform from DS doors to US of scene dock. Runoff platform will be approximately 8' wide x 12 deep (i.e. 3 stock 4x8 platforms). Unit will be maso-ed to transition to stage deck.

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Pull Stock Platforms	2	1	2
2				
3				
5				
6				
7				
8				

TOTAL Build 2

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Install platforms, shim level	2	1.5	3
2	Maso new platform to match stage	2	1	2
3				
4				
5				
6				
7				
8				
9				

TOTAL Load in 5

MATERIAL		Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	Stock 4x8 Platforms	Platforms	ea	3	STOCK	STOCK
2	3/16" Maso	Skin	ea	3	\$14.00	\$42.00
3						
4						
5						
6						
7						
8						
9						
10						

TOTAL Materials \$42.00

Pennsylvania Shakespeare Festival

Summer 2010 Season

8/2/2011

Schubert Common Elements

Ben Stark, Technical Director

#12 Green Show Stage

Description/Notes

Labor to move green show from storage to dumpster and cut it up as necessary.

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Pull pieces from storage and strike	4	6	24
2				
3				
5				
6				
7				
8				

TOTAL Build 24

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1				
2				
3				
4				
5				
6				
7				
8				
9				

TOTAL Load in

MATERIAL	Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

TOTAL Materials

Pennsylvania Shakespeare Festival

Summer 2011 Season

Schubert: Sleeping Beauty

8/2/2011

Version 4-Approved

	Cost Estimated	Build Est.	Load In Est.
<i>Sleeping Beauty</i>			
1 Turntable Pedestals	PROPS	PROPS	PROPS
2 Camo Net Drop	\$173.00	6 *	4
3 Printed Graphic Panel Inserts	\$251.00 ^	11	1.5
<i>Sleeping Beauty</i> Subtotal	\$424.00	17	5.5
Contingency Less RENTAL at 10%	\$42	2	1
Total	\$466	19	6.5

Common Element and Sleeping Beauty Available Labor Estimates:

Title (Typical BUILD Hrs/wk)	Build 2	Build 3 Schubert Install Green Show Install	Build 4	Build 5	Build 6	Totals
	May 15- 21	May 22-28	May 29-June 4	June 5-11	June 12-18	
Master Carp (48 hrs)	45	48	South Pacific	South Pacific	SP Notes	93
Staff Carpenter (48 hrs)	45	48	South Pacific	South Pacific	SP Notes	93
Staff Carpenter (48 hrs)	45	48	South Pacific	South Pacific	SP Notes	93
Deck Chief (48 hrs)	21	48	SB Notes	South Pacific	Comedy Notes	69
Carp/Run Staff (48 hrs)	21	48	South Pacific	South Pacific	SP Notes	69
Carp Intern (48 hrs)	21	48	SB Notes	South Pacific	Running SP	69
Carp Intern (48 hrs)	21	48	South Pacific	South Pacific	Running SP	69
Overhire 1	40	20	--	--	--	60
Overhire 2	40	20	--	--	--	60
Weekly Totals	299	376	0	0	0	675

Notes:

-Build 1 is planning for TD and ATD only.
 -Build and Load In labor combined because hours are fluid with the space available.
 -Build 2 hours reduced for Deck Chief and Interns because they start on Thursday, May 19.
 - Build 2: additional 2 hours reduced for each crew member for safety training.
 - Build 2: additional 1 hour reduced for moving from hotel to on campus housing.
 - Build 1 and 2 hours for overhire are limited to 40 to prevent overtime.
 * Labor only for fabricating posts and post attachment. Rose attachment, sewing, and sizing of Camo Drop on PROPS
 ^ Includes a \$200 Graphic Allowance. I do not know how Bob

CE and SB Available BUILD and LOAD IN Labor (hrs): 675

Common Element BUILD Labor Estimated: 500

Common Element LOAD IN Labor Estimated: 190

Sleeping Beauty BUILD Labor Estimated: 19

Sleeping Beauty LOAD IN Labor Estimated: 6.5

Labor Needed (hrs): 40.5

#1 Turntable Pedestals

Description/Notes

Three (3) rolling pedestals for hold different styles of turntables (record players). Simple, stylized design similar to the back wall (i.e. MDF diamond covered). Size for pedestals assumption: 18"x18" x 30" with casters and possibly counterweight in base. Assumes that each pedestal is unique. For this budget, Pedestal 1 will be simple, Pedestal 2 a bit more complex, and Pedestal 3 will be a simple built table with simple diamond applique.

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Pedestal 1 (P1): Cut List	2	1.5	3
2	P1: Diamond cut list	1	2.5	2.5
3	P1: Assembly	2	1.5	3
5	P1: Caster and counterweight	1	1.5	1.5
6	P1: Diamond application	1	2	2
7	Pedestal 2 (P2): Cut List	2	2	4
8	P2: Diamond cut list	1	2.5	2.5
9	P2: Assembly	2	2	4
10	P2: Caster and counterweight	1	1.5	1.5
11	P2: Diamond application	1	2.5	2.5
12	Pedestal 3 (P3): Cut List	2	2	4
13	P3: Diamond cut list	1	1.5	1.5
14	P3: Assembly	2	2	4
15	P3: Caster	1	1	1
13	P3: Diamond application	1	1	1
14				
15				

TOTAL Build 18.5

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Roll onstage	1	1	1
2				

TOTAL Load in 1

MATERIAL	Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	1/2" Ultralight MDF	Pedestal 1	4x8	1	\$34.00
2	1/2" Ultralight MDF	Pedestal 2	4x8	1	\$34.00
3	Trim	Pedestals 1-3	lin ft	varies	STOCK
4	3/4 Birch Plywood	Pedestal 3	4x8	1	\$40.00
5	Home Depot Legs TBD	Pedestal 3	ea	4	\$15.00
6	1/2" Ultralight MDF	Pedestal 3	4x8	SCRAP	SCRAP
7	Casters (McM# 78155T11)	Pedestals 1-2	ea	8	\$3.00
8	Casters (McM# 24055T32)	Pedestal 3	ea	4	\$6.00
9					
10					

TOTAL Materials \$216.00

Pennsylvania Shakespeare Festival

Summer 2010 Season

8/2/2011

Schubert: Sleeping Beauty

Ben Stark, Technical Director

#2 Camo Net Drop

Description/Notes

Two (2) pieces of camo netting, each approx 8' t x 14' l. The two pieces come together and are affixed to one another with velcro. Roses will be attached with green zip ties. The camo netting clips to the Proscenium posts and then around 2 post into the deck (built) to then meet DS of the sliding doors. Current thought is a sleeve/flange attached to the deck sized appropriately for the post to slide snugly inside. The post will have a flange welded a few inches up to act as a stop.

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Cut and sew velcro to Camo Drop			PROPS
2	Attach Roses with zip ties			PROPS
3	Fabricate sleeves into deck	1	4	4
5	Fabricate and add finial to post	1	2	2
6				
7				
8				
9				
10				

TOTAL Build 6

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Layout for posts	2	0.5	1
2	Drill and route for base plate	1	1.5	1.5
3	Attach sleeve to deck	1	0.5	0.5
4	Test fit/troubleshoot	1	1	1
5				

TOTAL Load in 4

MATERIAL	Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	Camo Netting	Drop	19'8" x 9'10"		PROPS
2	Roses (purchased by Bob)	Roses	bundle	1	\$75.00
3	1-1/4" x .083" (11 g) round tube	Steel Sleeve	20'	1	\$23.00
4	3" x .25" HR Bar	Steel Sleeve	20'	1	\$35.00
5	3/4 sch 40	Post	21'	1	\$24.00
6	King Arch Finial Allowance	Finial	ea	2	\$5.00
7	King Arch Flange	Post	ea	2	\$3.00
8					
9					
10					

TOTAL Materials \$173.00

#3 Printed Graphic Panel Inserts

Description/Notes

Graphics printed and applied to 1/4" masonite for insertion for Sleeping Beauty. Assumes that production ready artwork will arrive. PSF may supply some material (paper, etc.).

BUILD		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Cut panels	2	1.5	3
2	Apply printed graphic	2	4	8
3				
5				
6				
7				
8				
9				
10				

TOTAL Build 11

LOAD IN		NUMBER OF		HOURS PER TASK
		CREW	HOURS	
1	Test fit/troubleshoot	1	1.5	1.5
2				
3				
4				
5				

TOTAL Load in 1.5

MATERIAL		Piece/Component	UNIT	QUANTITY ESTIMATE	UNIT PRICE ESTIMATE	COST ESTIMATE
1	1/4 Masonite	Panel backing	4x8	3	\$17.00	\$51.00
2	Graphic Print Allowance	Graphic	sq ft.	1	\$200.00	\$200.00
3						
4						
5						
6						
7						
8						
9						
10						

TOTAL Materials \$251.00

Pennsylvania Shakespeare Festival

Summer 2011 Season

Schubert: Comedy of Errors

8/2/2011

Version 4-Approved

	Cost Estimated	Build Est.	Load In Est.
<i>Comedy of Errors</i>			
1 Blackboard	PROPS	PROPS	PROPS
2 Flags	PROPS	PROPS	PROPS
<i>Comedy of Errors</i> Subtotal	\$0.00	0	0
Contingency Less RENTAL at 10%	\$0	0	0
Total	\$0	0	0

Comedy of Errors Available Labor Estimates:

Title (Typical BUILD Hrs/wk)	Build 3 Schubert Install Green Show Install	Build 4	Build 5	Build 6	Build 7	Totals
	May 22-28	May 29-June 4	June 5-11	June 12-18	June 19-25	
Master Carp (48 hrs)	Sleeping Beauty	South Pacific	South Pacific	SP Notes	REP	0
Staff Carpenter (48 hrs)	Sleeping Beauty	South Pacific	South Pacific	SP Notes	REP	0
Staff Carpenter (48 hrs)	Sleeping Beauty	South Pacific	South Pacific	SP Notes	REP	0
Deck Chief (48 hrs)	Sleeping Beauty	SB Notes	South Pacific	12	16	28
Carp/Run Staff (48 hrs)	Sleeping Beauty	South Pacific	South Pacific	SP Notes	REP	0
Carp Intern (48 hrs)	Sleeping Beauty	SB Notes	South Pacific	Running SP	REP	0
Carp Intern (48 hrs)	Sleeping Beauty	South Pacific	South Pacific	Running SP	REP	0
Overhire 1	Sleeping Beauty	--	--	--	--	0
Overhire 2	Sleeping Beauty	--	--	--	--	0
Weekly Totals	0	0	0	12	16 Notes Labor	28

Comedy BUILD and LOAD IN Labor Available (hrs): 12

Comedy BUILD and LOAD IN Labor Estimated: 0

Labor Needed (hrs): 0