**Technical Design and Production Department Unit Estimate: Approved** 

The Clean House
Rep 1 Sets
Kraczek, Lin, Winkler

### **Show Deck**

#### Description

61'-6"w X 28'd RAISED TRISCUIT DECK. SHOW DECK IS ELEVATED APPROXIMATELY 6" ABOVE STAGE LEVEL WITH A 6" BLACK VELOUR COVERED REVEAL. BLACK 25 oz. VELOUR COVERED WOOD MASKING FLATS WILL BE USED TO HIDE THE NATURAL WOOD STAGE FACE(APROXIMATELY 38'w X 3'-6"h). TRISCUITS WILL BE COVERED WITH 3/8" MDF EXCEPT FOR IN THE CARPETED AREA. CARPETED AREA WILL BE COVERED IN 1/4" MDF. TRACKS WILL BE RUN IN THE SHOW DECK FOR TRACKING UNITS.

	Build			Number of Crew	Hours per Crew	Total per Task
1	CUT WOOD FOR CUSTOM SHOW DECK PICES			1	4	4
2	ASSEMBLE CUSTOM SHOW DECK PICES			1	8	8
3	CUT WOOD FOR FLATS		-	1	2	2
4	SEW FABRIC FOR FLATS			1	6	(
5	ASSEMBLE FLAT FRAMES			1	3	;
6	COVER FLATS WITH VELOUR			2	2	4
7	CUT SLEEPERS			1	8	
8	CUT MDF FOR DECK			1	6	(
9	MOVE TRISCUITS TO UT			2	4	
10	MOVE MDF TO PAINTS & LAY DOWN FOR PAINT			2	6	12
11	PULL UP OLD MDF ON STAGE			4	3	12
12	MOVE			1	2	
					Total Build	75
	Load-In			Number of Crew	Hours per Crew	Total per Task
1	MOVE MDF BACK TO UT			2	2	4
2	LAY DOWN SHIMS AND SLEEPERS			2	8	16
3	LAY DOWN TRISUCITS			4	8	32
4	LAY DOWN MDF			4	6	24
5	ATTACH STAGE FACING FLATS			2	1	-
			1	Т	otal Load-In	78
	Materials	Quantity or Amount	Ur of S		Unit Price	Total Price
1r001	1/4" MDF	15	ea	а	\$10.00	\$150.00
1r008	25 oz majestic velour	11	yo	t	\$11.00	\$121.00
1r016	SHIMS	10	BUN	DLE	\$5.00	\$50.00
	Glue, Carp. Interior Wood	1	ga	ıl.	\$20.00	\$20.00
m401	Lumber, 1x4 16 #2 Pond	8	ea	1.	\$4.93	\$39.44
m403	Lumber, 5/4 x 6 - 16 #2 Pond.	12	ea	1.	\$10.39	\$124.68
m405	Lumber, 2x4 16 Fir	50	ea	1.	\$5.71	\$285.50
m410	Plywood, 1/4 AC Interior Fir	1	ea		\$19.82	\$19.82
m414	Plywood, 3/4 Sturdi-Floor	7	ea	ì.	\$27.50	\$192.50
m415	Med Density Fiber Board 3/8"	40	ea		\$12.50	\$500.00
					osts (at 5%)	\$75.15

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						Carpet
	Description					
	: 19'-5" ULTRA- WHITE FRIEZE CARPET WITH STAIN PROTE TO BE CUT THROUGH CARPET.	ECTION. TRACKS	FOR	TRACKI	NG FURNITU	RE WILL
	Build			Number of Crew	Hours per Crew	Total per Task
1						0
				1	Total Build	0
	Load-In			Number of Crew	Hours per Crew	Total per Task
1	LAY CARPET			2	8	16
2	FIX EDGES AT TRACK			1	2	2
				Т	otal Load-In	18
	Materials	Quantity or Amount	_	nit Sale	Unit Price	Total Price
1r026	WHITE FIRE RATED CARPET	55	SQ \	/ARD	\$26.00	\$1,422.20
1r027	Misc Materials	100	E	ea	\$1.00	\$100.00
			Har	dware C	osts (at 5%)	\$76.11
	Tota	l Materials with 5	% Har	dware (	(Rounded):	\$1,600

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#### **Tile Floor** Description 395 12" X 12" WHITE ARMSTRONG SELF ADHESIVE TILES LAYED ON THE SHOW DECK SUROUNDING THE 27'-6 1/2"w X 27'-4"d. 1/4" GROUT LINE BETWEEN TILES. PAINTS WILL BE PAINTING THE DECK CARPET. GREY BEFORE TILE IS LAYED TO CREATE GROUT EFFECT. Number Hours Total Build of Crew per Crew per Task 0 **Total Build** 0 Number Hours Total Load-In per Task of Crew per Crew LAYOUT FOR TILE 2 2 4 **INSTALL TILE** 2 10 20 **Total Load-In** 24 Quantity or Unit Unit Total **Materials** Amount of Sale Price Price 1r013 12" x 12" Vinyl Tile \$40.00 \$360.00 9 box Hardware Costs (at 0%) \$0.00 Total Materials with 0% Hardware (Rounded): \$360

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### **Portals**

#### Description

Four sets of portals constructed of 1.5" and 1" steel square tubing. Each portal has a 35'-6" (w) x 4'-0" (h) header and two legs measuring 23'-3" (h) x 4' (w). The portals are soft covered with a 25oz Majestic velour. The legs will be bolted to the header once the header is rigged to a line set and flown out. Additional Stock Borders and Legs will be hung above the header and offstage of the legs.

	Build		Number of Crew	Hours per Crew	Total per Task
1	Pull and clean Steel		1	2	2
2	Cut Steel		1	8	8
3	Drill Holes		1	4	4
4	Cut Jig Blocks		1	1	1
5	Jig and Weld Frames		1	16	16
6	Rip and attach Nailing Strips		1	2	2
7	Sew Fabric		1	16	16
8	Stretch Fabric to Frames		2	12	24
9	Rig portal headers & attach soft borders & legs		4	6	24
10	Counterweight and fly out		2	2	4
11	Stand legs up and bolt to header		4	4	16
	<b>3</b> 1			Total Build	117
	Load-In		Number of Crew	Hours per Crew	Total per Task
3	Make adjustments and lag portal legs into deck		4	1	4
			1	otal Load-In	4
	Materials	Quantity or Amount	Unit of Sale	Unit Price	Total Price
1r008	25 oz majestic velour	125	yd	\$11.00	\$1,375.00
a000	Shipping	4300	ea.	\$0.01	\$43.00
1404	Aircraft Cable, 7x19, 1/4	150	ft.	\$0.12	\$18.00
lh407	Nico-Press Sleeves, 1/4	30	ea.	\$0.60	\$18.00
lh408	Splicing Thimble, 1/4	30	ea.	\$0.15	\$4.50
lh418	Should Lifting Eyes, 3/8 x 2-1/2"	16	ea.	\$3.55	\$56.80
m412	Plywood, 1/2 Sturdi-Floor	4	ea.	\$21.50	\$86.00
m414	Plywood, 3/4 Sturdi-Floor	2	ea.	\$27.50	\$55.00
m585	Steel, Square Tube .049 1	20	length	\$10.75	\$215.00
m592	Steel, Square Tube 1 1/2" x 24' .049 (18ga)	33	length	\$15.30	\$504.90
			Hardware C	osts (at 5%)	\$118.81
		Total Materials with	5% Hardware	(Rounded):	\$2,495

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The Clean House
Rep 1 Sets
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### **Show Curtain (House Curtain)**

#### Description

White painted 1"x3" 18 ga rect. tube frame cover with Light Translucent Screen with vertical seam. 3" side face front. 1.5" 18ga square tube and 1/2" nailing strips creat 3" reveal. Hunged by black aircradft cable. There is a 26'(h)x32'(w) 25 oz majstic velour curtain with a house shape cut out attached with house by velcro. The house frame and curtain are hunged at same line set.

	tube and 1/2" nailing strips creat 3" reveal. Hunged by bla with a house shape cut out attached with house by velcro				
	Build		Number of Crew		Total per Task
1	Clean and cut steel		1	2	2
2	Drill holes		1	1	1
3	Jig and weld in the space		1	4	4
4	Rip lumber for nailing strip		1	1	1
5	Fasten nailing strip to frame in the space		1	1	1
6	White painted in the space		1	2	2
7	Strech and attach screen to frame in the space		2	2	4
8	Attach male velcro		1	2	2
9	Prep. Rigging		1	2	2
10	Rig House frameg, counterweight & fly out		4	2	8
11	Rig curtain, attach with frame, counterweight & fly out		4	1	4
				Total Build	31
	Load-In		Number of Crew		Total per Task
2	Adjust curtain		2	1	2
				Total Load-In	2
	Materials	Quantity or Amount	Unit of Sale	Unit Price	Total Price
1r017	1"x3"x24' 18ga Steel Rec. Tube	144	ft	\$2.75	\$396.00
1r018	7/19, 1/4" Black Aircraft Cable	40	ft	\$0.00	\$0.00
1r019	19'x21' Light Translucent Screen	399	sqft	\$3.50	\$1,396.50
1r021	26'x32' 25 oz majestic velour drop with house shape	1	ea	\$1,405.00	\$1,405.00
a000	Shipping	4000	ea.	\$0.01	\$40.00
f016	Velcro, Black 1" Male	720	in.	\$0.02	\$14.40
lh407	Nico-Press Sleeves, 1/4	6	ea.	\$0.60	\$3.60
lh408	Splicing Thimble, 1/4	6	ea.	\$0.15	\$0.90
lh418	Should Lifting Eyes, 3/8 x 2-1/2"	3	ea.	\$3.55	\$10.65
m412	Plywood, 1/2 Sturdi-Floor	1	ea.	\$21.50	\$21.50
m592	Steel, Square Tube 1 1/2" x 24' .049 (18ga)	4	length	\$15.30	\$61.20
				Costs (at 5%)	\$167.49
		Total Materials with 5	% Hardware	(Rounded):	\$3,515

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**House Wall** 

Technical Design and Production Department

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Rep 1 Sets
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### Description

2 HOLLYWOOD FRAMED FLATS MOUNTED ON 4 ROLLING JACKS THAT TRACK TO MEET AT CENTER STAGE. SR WALL 9'-5 1/2"w X 12't. SL WALL 9'-11 1/2"W X 12't. FLATS ARE COVERED IN LUAN & MUSLIN. THEY HAVE A 9" TALL MOULDING STRIP ACROSS THE TOP. A STRIPED WALL PAPER PATTERN WILL NEED TO BE PAINTED ON. WALLS ARE DRIVEN BY ONE WINCH SO THEY CAN NOT MOVE INDEPENDANTLY. WALLS ARE TO APPEAR FREE STANDING. CONTROLED BY DWU.

	Build				Number of Crew	Hours per Crew	Total per Task
1	CUT WOOD FOR FLATS				1	4	4
2	ASSEMBLE PLATS				1	2	2
3	SHEET FLATS WITH MDF				1	2	2
4	SPACKLE FLATS & SAND				1	2	2
5	CUT AND ROUTE MOLDING				1	2	2
6	ATTACH MOULDING TO FLAT				1	1	1
7	CUT AND CLEAN STEEL FOR JACKS				1	3	3
8	BEND STEEL				1	1	1
9	PUNCH HOLES				1	3	3
10	WELD JACKS				1	5	5
11	ATTACH CASTERS				1	1	1
12	MAKE DOGS				1	6	6
13	MAKE MULES & TURN AROUND SHEAVES				1	6	6
14	PAINT RUN				2	1	2
15	SET UP WINCH				1	6	6
16	BUILD TRACK ENCLOSURE				1	4	4
18	PUT FLATS ON JACKS				2	2	4
					Į.	Total Build	54
	Load-In				Number of Crew	Hours per Crew	Total per Task
1	MOVE WALLS BACK FROM PAINTS				2	1	2
3	ASSEMBLE TRACKS				1	4	4
4	INSTALL WINCH				2	1	2
5	SPOOL CABLE				2	2	4
6	SET LIMITS				2	2	4
7	ADJUST				2	4	8
					1	otal Load-In	24
	Materials	C	Quantity or Amount		Init Sale	Unit Price	Total Price
1r001	1/4" MDF		10	E	ea	\$10.00	\$100.00
1r036	WINCH PARTS		120		A	\$1.00	\$120.00
1r040	RIGID CASTER		16	E	A	\$14.00	\$224.00

Materials	Amount	of Sale	Price	Price
1r001 1/4" MDF	10	ea	\$10.00	\$100.00
1r036 WINCH PARTS	120	EA	\$1.00	\$120.00
1r040 RIGID CASTER	16	EA	\$14.00	\$224.00
f926 Glue, White Elmer	1	gal.	\$13.35	\$13.35
f928 Glue, Carp. Interior Wood	1	gal.	\$20.00	\$20.00
l404 Aircraft Cable, 7x19, 1/4	150	ft.	\$0.12	\$18.00
m401 Lumber, 1x4 16 #2 Pond	18	ea.	\$4.93	\$88.74
m518 Steel Angle, 3/16 x 2 2.44	48	ft.	\$0.91	\$43.68
m544 Steel Bar, 1/4 x 4 3.40	20	ft.	\$0.96	\$19.20
m564 Steel, Round Stock 3/4 1.50	8	ft.	\$0.42	\$3.36
m588 Steel, Square Tube .065 1	3	length	\$10.75	\$32.25
m590 Steel, Square Tube 1 1/2" 16 ga.	3	length	\$15.44	\$46.32

**Technical Design and Production Department Unit Estimate: Approved** 

Hardware Costs (at 5%)	\$36.45
Total Materials with 5% Hardware (Rounded):	\$765

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Rep 1 Sets
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### Tile Wall

#### Description

27'(h)x28'(w) 1" square tube frame cover with gray painted 1/4 luan, then attach 12"x12" tile. All tiles are 1/4" offset. 28'(h)x7'(w) 1" square tube frames covered with velour bolted at each side.

	Build	Number of Crew	Hours per Crew	Total per Task
1	Rip luan for facing	1	2	2
2	Send luan to paint shop	2	1	2
3	Pull and clean steel	1	2	2
4	Cut steel	1	4	4
5	Drill Holes	1	2	2
6	Jig and weld frame	1	16	16
7	Send luan back to shop	2	1	2
8	Attach luan to frame	2	2	4
9	Assemble the wall in the space	2	2	4
10	Chalk line the tile line	2	2	4
11	Take the wall apart	2	2	4
12	Attach tiles to the frame	2	12	24
13	Build marry arbor hardware	1	2	2
14	Sew Fabric	1	2	2
15	Strach fabric on side wings	2	2	4
16	KICK LIN SET, MARY ARBOR FOR TILE WALL	2	4	8
17	ATTACH TILE WALL TO TOP HALF & BOTTOM HALF	2	1	2
18	RIG TOP HALF, COUNTERWEIGHT & FLY OUT	4	1	4
19	RIG BOTTOM HALF, COUNTERWEIGHT & FLY OUT	4	1	4
20	BOLT SIDE WINGS TO WALL COUNTERWEIGHT & FLY OUT	4	2	8
	•	1	Total Build	104

Load-In	Number of Crew	Hours per Crew	Total per Task
			0
	T	otal Load-In	0

				TOTAL LUAU-III	U U
Materials			ntity or Unit ount of Sale	Unit Price	Total Price
1r008 25 oz majestic	velour	3	38 yd	\$11.00	\$418.00
1r013 12" x 12" Vinyl	Tile	1	l7 box	\$40.00	\$680.00
1r015 Liquid nails(Adh	nesive)	2	20 ea	\$2.00	\$40.00
1404 Aircraft Cable, 73	(19, 1/4	1	50 ft.	\$0.12	\$18.00
lh407 Nico-Press Slee	eves, 1/4	1	l0 ea.	\$0.60	\$6.00
lh408 Splicing Thimble	e, 1/4	1	l0 ea.	\$0.15	\$1.50
lh418 Should Lifting E	yes, 3/8 x 2-1/2"		5 ea.	\$3.55	\$17.75
m411 Luan 1/4 AC Int	terior 5.2	3	35 ea.	\$7.75	\$271.25
m518 Steel Angle, 3/1	6 x 2 2.44		4 ft.	\$0.91	\$3.64
m580 Steel, Rect. Tul	oe 1 x 2 .062		2 length	\$12.75	\$25.50
m585 Steel, Square T	ube .049 1	4	10 length	\$10.75	\$430.00
			Hardwar	e Costs (at 5%)	\$95.58
		Total Materials	s with 5% Hardwa	re (Rounded):	\$2,005

**Technical Design and Production Department Unit Estimate: Approved** 

							Sky Drop
	Description						
29'(h)x- drop.	42'(w) non-flame retardant natural heavy weight muslin	n with tieline, p	ipe pocket, an	d hem	s at both	side painted	as a sky
	Build				Number of Crew	Hours per Crew	Total per Task
							0
						Total Build	0
	Load-In				Number of Crew	Hours per Crew	Total per Task
1	Rig the sky drop, counterweight and fly out				4	1	4
2	SEND DROP TO PAINT SHOP				1	1	1
					Т	otal Load-In	5
	Materials		Quantity or Amount	_	Init Sale	Unit Price	Total Price
1r010	28'(h)x 40'(w) muslin drop		1	6	ea	\$515.00	\$515.00
				Hai	dware C	osts (at 0%)	\$0.00
		Total Ma	aterials with 0	% Har	dware (	Rounded):	\$515

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# **Light Box**

#### Description

A light box measuring 12' long x 1'-8" high x 9" deep made from 1" steel square tubing and covered with 1/4" MDF. The front MDF facing will be covered with black velour and have cut out letters that spell "The Clean House" (Arial Font). The rest of the facings will be painted black. White Acrylic will be attached to the back of the front facing to act as a diffusion material. An access panel for electrics will be located on the top of the box. The unit will be rigged to fly on a line set.

Clean Steel el es for Lifting Eyes Weld Frame F for Facing movable access cover (LX) and cut letters White Acrylic to MDF Facing (Diffusion) MDF to Frame Paint shop Black Fabric to Front Facing our for letters		of Cre 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 4 3 2 1 1 1 1 1 Total Build	per Task
es for Lifting Eyes Weld Frame F for Facing movable access cover (LX) and cut letters White Acrylic to MDF Facing (Diffusion) MDF to Frame Paint shop Black Fabric to Front Facing our for letters		1 1 1 1 1 1 1 1 1	1 2 1 4 3 2 1 1 1 1 1 Total Build	2
Weld Frame For Facing movable access cover (LX) and cut letters White Acrylic to MDF Facing (Diffusion) MDF to Frame Paint shop Black Fabric to Front Facing our for letters		1 1 1 1 1 1 1 1	2 1 4 3 2 1 1 1 1 Total Build	2 1 2 3 2 1 1
Weld Frame For Facing movable access cover (LX) and cut letters White Acrylic to MDF Facing (Diffusion) MDF to Frame Paint shop Black Fabric to Front Facing our for letters		1 1 1 1 1 1 1	1 4 3 2 1 1 1 1 1 Total Build	2
movable access cover (LX) and cut letters White Acrylic to MDF Facing (Diffusion) MDF to Frame Paint shop Black Fabric to Front Facing our for letters		1 1 1 1 1 1	4 3 2 1 1 1 1 1 Total Build	-
And cut letters White Acrylic to MDF Facing (Diffusion) MDF to Frame Paint shop Black Fabric to Front Facing our for letters		1 1 1 1 1	3 2 1 1 1 1 1 Total Build	
White Acrylic to MDF Facing (Diffusion)  MDF to Frame  Paint shop  Black Fabric to Front Facing  our for letters		1 1 1 1	2 1 1 1 1 1 Total Build	
MDF to Frame Paint shop Black Fabric to Front Facing our for letters		1 1 1	1 1 1 1 Total Build	
Paint shop Black Fabric to Front Facing our for letters		1 1	1 1 1 Total Build	
Black Fabric to Front Facing our for letters		1 1	1 1 Total Build	
our for letters		1	1 Total Build	
			Total Build	
1		Niversia		19
1		Nicconta		
		Numb of Cre		Total per Task
rt light box back to theatre		1	1	
Counterweight		2	1	
ables		1	1	
reasting rope or Scenery Bumpers		1	1	
		,	Total Load-In	į
ıls	Quantity or Amount	Unit of Sale	Unit Price	Total Price
F	3	ea	\$10.00	\$30.00
crylic	0	ea	\$0.00	\$0.00
elour Stock	0	ea	\$0.00	\$0.00
Lifting Eyes, 3/8 x 2-1/2"	4	ea.	\$3.55	\$14.20
quare Tube .049 1	5	length	\$10.75	\$53.75
	F crylic elour Stock ifting Eyes, 3/8 x 2-1/2"	Amount F 3  crylic 0  elour Stock 0  ifting Eyes, 3/8 x 2-1/2" 4	Amount         of Sale           F         3         ea           crylic         0         ea           elour Stock         0         ea           ifting Eyes, 3/8 x 2-1/2"         4         ea.           quare Tube .049 1         5         length	Quantity or Amount         Unit of Sale         Unit Price           F         3         ea         \$10.00           crylic         0         ea         \$0.00           elour Stock         0         ea         \$0.00           ifting Eyes, 3/8 x 2-1/2"         4         ea         \$3.55

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### Coffee Table / Bed

#### Description

A 4' long x 1'-7" d x 16" high coffee table with a painted Travertine Marble top. The table is made with 2" steel square tube framing members. The top is 2 " thick. Two 9" pneumatically actuated extensions expand the table top to a length of 5'-6" for use as the hospital bed. The table rides on a scissors lift located in the trap room and the lift has three playing positions: 0', +16".+28". Two carpet shelves will be added to the steel frame work to cover the floor when the lift is at different heights.

	Build			Number of Crew	Hours per Crew	Total per Task
1	Cut and clean steel for table			1	2	. 2
2	Jig and weld frame			1	2	2
3	Cut plywood and MDF for table top			1	2	2
4	Assemble pneumatic actuation parts			1	3	3
5	Assemble Table top			1	2	2
6	Build Carpet Shelves for each position			1	2	2
7	Build Lift Table for Scissors Lift			1	4	
8	Attach Lift Table			2	1	2
9	Move Scissors Lift into place			4	2	8
10	Cut Steel for trap plugs			1	2	2
11	Cut plywood for trap plugs			1	1	1
12	Jig and weld Steel for trap plugs			1	1	1
13	Assemble trap plugs			1	<u>.</u> 1	
14	Plumb scissors lift and set up hydraulics			2	8	16
15	Paint run for table			1	1	1
10	Tameramor abio			•	Total Build	49
	Load-In			Number of Crew	Hours per Crew	Total per Task
1	Return Table to UT			1	1	1
2	Pull traps & Kick Beam			4	3	12
3	Put trap plug in place			4	1	4
4	Set up controls and limits			2	4	3
5	Attach Table to lift			1	2	2
6	Test and make adjustments			2	4	3
				Т	otal Load-In	35
	Materials	Quantity or Amount		Jnit Sale	Unit Price	Total Price
r001	1/4" MDF	1	(	ea	\$10.00	\$10.00
r003	2" x 2" x 24' 16ga square tube	3	lei	ngth	\$48.00	\$144.00
r023	Pneumatic Parts	25	(	ea	\$1.00	\$25.00
r024	Carpet Scrap	0	(	ea	\$0.00	\$0.00
r025	Hydraulic Parts	50	(	ea	\$1.00	\$50.00
n414	Plywood, 3/4 Sturdi-Floor	5	6	ea.	\$27.50	\$137.50
n500	Steel Plate, 3/16 x 8" x 8"	2		ea.	\$2.27	\$4.54
n511	Steel Angle, 1/8 x 1 .80	8	_	ft.	\$0.34	\$2.72
n518	Steel Angle, 3/16 x 2 2.44	25		ft.	\$0.91	\$22.75
n522	Steel Bar, 1/8 x 1 .42	4		ft.	\$0.13	\$0.52
		Total Materials with			osts (at 5%)	\$19.85 <b>\$415</b>

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### **Tracking Furniture Mechanics**

#### **Description**

COUCH & TABLE BEHIND IT TRACK ON FROM SR. (2) SIDE CHAIRS TRACK ON BROTH BOTH SIDES. TRACKS ARE ONLY CUT THROUGH THE MDF LAYER 3/8" DEEP. CUSTOM FURNITURE DOLLIES WILL BE MOUNTED UNDER THE FURNITURE TO ALLOW IT TO ROLL. FURNITURE WILL TRACK ON & OFF IN FRONT OF AUDIENCE. ELECTRICITY FOR LAMP BEHIND ON TABLE BEHIND COUCH IS NOT PART OF TRACKING UNIT.

	Build			Number of Crew	Hours per Crew	Total per Task
1	CLEAN STEEL FOR DOLLIES			1	3	3
2	DRILL HOLES			1	2	2
3	WELD DOLLIES			1	4	4
4	ATTACH CASTERS TO DOLLIES			1	2	2
5	PAINT DOLLIES			1	1	1
6	ATTACH FURNITURE TO DOLLIES			1	3	3
7	RETROFIT 2 WINCHES			1	12	12
8	BUILD DOGS			1	5	5
9	ASSEMBLE MULE & TURN AROUND SHEAVES			1	12	12
					Total Build	44
	Load-In			Number of Crew	Hours per Crew	Total per Task
1	SET UP MULES & TURN AROUNDS			1	2	2
2	INSTALL WINSHES			2	2	4
3	SPOOL CABLE			2	3	6
4	SET UP CONTROL & LIMITS			2	8	16
5	TEST & ADJUST			2	8	16
				Т	otal Load-In	44
	Materials	Quantity or Amount	_	Init Sale	Unit Price	Total Price
1r032	2 HP WINCH	2	E	ΕA	\$0.00	\$0.00
1r033	MOTOR DRIVE	2		ΞA	\$0.00	\$0.00
1r034	AWU	2	E	A	\$0.00	\$0.00
1r035	MULE PARTS	25		A	\$1.00	\$25.00
1r036	WINCH PARTS	100		A	\$1.00	\$100.00
1r037	3" FLASHING	5	RO	OLL	\$16.00	\$80.00
1r038	5/16" X 6' HOLLOW ROD	1	LEN	IGTH	\$20.00	\$20.00
	Aircraft Cable, 7x19, 1/4	300		ft.	\$0.12	\$36.00
m518	Steel Angle, 3/16 x 2 2.44	40	1	ft.	\$0.91	\$36.40
m544	Steel Bar, 1/4 x 4 3.40	24		ft.	\$0.96	\$23.04
					osts (at 5%)	\$16.02
		Total Materials with	5% Har	dware (	Rounded):	\$335

**Technical Design and Production Department Unit Estimate: Approved** 

The Clean House Rep 1 Sets Kraczek, Lin, Winkler

Balcony

**Technical Design and Production Department** 

Unit Estimate: Approved

The Clean House
Rep 1 Sets
Kraczek, Lin, Winkler

### Description

2"x2" steel truss tower covered with clapboard has a practical door and non- practical window(We can see through but not open it). 8" thick balcony is built with 1.5" square tube top with 3/4 ply and steel railing, facing with 1/4 luan then concrete texture. The bottom of the balcony is 12' from show deck. 8" square support beams are built with 1" square tube cover with rough cut lumber. Clapboard is made with 1/4x16 #2 pond top with 1/2 plywood. A "U" return steel frame stair with railing on triple swivel casters at one side and stem casters at the other side.

	Build			Number of Crew	Hours per Crew	Total per Task
1	Rip lumber for wall panel, clapboard and roof			1	2	
2	Build wall panel, clapboard and roof				20	2
3	Send wall panel clapboard and roof to paint shop			2	1	
4	Pull and clean steel			1	2	
5	Cut steel			1	16	1
6	Drill holes			1	4	
7	Jig and weld tower			1	20	2
8	Jig and weld balcony and support beams			1	8	
9	Build railing			1	4	
10	Build door			1	8	
11	Build window			1	4	
12	Build track			1	8	
13	Assemble tracking hardware			1	8	
14	Build stair case			1	20	2
	'			ı ı	Total Build	12
	Load-In			Number of Crew	Hours per Crew	Total per Task
1	Setup chain motor			2	1	
2	Stand the tower			4	1	
3	Set up and adjust winch			1	12	1
4	Set up dog, knife and run cable			1	8	
5	Attach tower with track			4	1	
6	Assemble automation unit			2	2	
7	Test and adjuestment			2	4	
8	Attach Balcony and beams			4	1	
9	Attach door and window			1	2	
10	Transport clapboard and roof back			2	1	
11	Attach clapboard and roof			2	8	1
12	Attach railling			1	4	
				7	otal Load-In	7
	Materials	Quant Amo		Unit of Sale	Unit Price	Total Price
r003	2" x 2" x 24' 16ga square tube	5	j	length	\$48.00	\$240.00
r005	Rough cut lumber	84	4	ft	\$1.35	\$113.40
r006	Clear Plexi 0		ea	\$1.00	\$0.00	
r007				ea	\$100.00	\$100.00
	Aircraft Cable, 7x19, 1/4		ft.	\$0.12	\$8.40	
1401	Lumber, 1x4 16 #2 Pond       22         Luan 1/4 AC Interior 5.2       2		ea.	\$4.93 \$7.75	\$108.46	
1411	Luan 1/4 AC Interior 5.2  Plywood, 1/2 Sturdi-Floor	10		ea.	\$7.75 \$21.50	\$15.50 \$215.00
1412 1414	Plywood, 3/4 Sturdi-Floor	2		ea.	\$27.50	\$55.00
1585	Steel, Square Tube .049 1	3		length	\$10.75	\$333.25

**Technical Design and Production Department** 

Unit Estimate: Approved

m592	Steel, Square Tube 1 1/2" x 24' .049 (18ga)		18	length	\$15.30	\$275.40
			Costs (at 5%)	\$73.22		
		Total Ma	aterials with 5	% Hardware	(Rounded):	\$1,540

Technical Design and Production Department Unit Estimate: Approved

The Clean House
Rep 1 Sets
Kraczek, Lin, Winkler

#### **Balcony Masking** Description 18'(h)x6'(w) 1" 18ga square tube frame cover with 25 oz majastic velour hunged under lighting ladder. Hours Total of Crew per Crew per Task Pull and clean steel 1 1 1 1 Cut steel 2 2 2 Drill Holes 1 1 1 3 Jig and weld frame 4 1 4 4 Rip and attach nailing strips 5 1 1 1 Sew fabric 1 1 1 6 Strech fabric to frames 4 4 **Total Build** 14 Number Hours Total Load-In of Crew per Crew per Task Set up loft blocks and head block on the grid 8 1 Attach aircarft cable with frame and run the cable to arbor 2 2 4 2 Counterweight, adjustment and fly out 2 1 2 3 **Total Load-In** 14 Unit Quantity or Unit Total **Materials** Amount of Sale Price Price 1r008 25 oz majestic velour \$11.00 13 yd \$143.00 1404 Aircraft Cable, 7x19, 1/4 260 \$0.12 \$31.20 ft. lh407 Nico-Press Sleeves, 1/4 2 ea. \$0.60 \$1.20 Splicing Thimble, 1/4 lh408 2 ea. \$0.15 \$0.30 lh418 Should Lifting Eyes, 3/8 x 2-1/2" 2 \$3.55 \$7.10 ea. Plywood, 1/2 Sturdi-Floor 2 m412 ea. \$21.50 \$43.00 Steel, Square Tube .049 1 m585 5 \$10.75 \$53.75 length \$13.98 Hardware Costs (at 5%) Total Materials with 5% Hardware (Rounded): \$295

**Technical Design and Production Department Unit Estimate: Approved** 

The Clean House
Rep 1 Sets
Kraczek, Lin, Winkler

#### **Yew Tree** Description A 16' tall x 8" approximate diameter Yew Tree. A manual rigging system and track will be installed to assist with storage, travel, and raising the tree to an upright position. Branches on the tree will be provided by the props department. Hours Total Number **Build** of Crew per Crew per Task **Build Carrier and Pivot** 1 6 6 1 2 Interface pivot w/ tree 1 2 2 Assemble Sheaves 1 2 2 3 **Total Build** 10 Number Hours Total Load-In of Crew per Crew per Task Set Points 1 2 3 6 2 Run Lines 2 1 2 3 Test and Adjust 4 4 16 **Total Load-In** 24 Unit Unit Quantity or Total **Materials** Amount of Sale Price Price 1r027 Misc Materials 25 \$1.00 \$25.00 ea 1r029 Sheave Assemblies \$25.00 \$25.00 1 ea 1r030 Carrier & Pivot 1 \$30.00 \$30.00 ea 1r031 Rope 220 LF 200 ft \$0.66 \$132.00 1401 Aircraft Cable, 7x7, 1/16 100 ft. \$0.07 \$7.40 \$10.97 Hardware Costs (at 5%) Total Materials with 5% Hardware (Rounded): \$230

**Technical Design and Production Department Unit Estimate: Approved** 

The Clean House Rep 1 Sets Kraczek, Lin, Winkler

### Snow Cradle / Fan

#### Description

	snow cradles made from 12' long x 8"diameter Sonotube. S					
	ill be built into each tube to allow refilling of the snow. The sotor. Stock YRT rigging hardware will be used from previous		oled toge	ether and	d will be contro	olled by
	Build			Number of Crew	Hours per Crew	Total per Task
1	Build Snow Drums with access doors			1	8	
2	Make Motor Frame			1	8	8
3	Assemble rigging hardware and attach to tubes			2	4	8
4	Install Motors			2	2	4
5	Build Controller			1	4	4
					Total Build	32
	Load-In			Number of Crew	Hours per Crew	l otal per Task
1	Connect couplings and power cables			2	2	4
2	Rig, counterweight and fly out			4	2	8
3	Dress Cables			1	1	,
4	Test and make adjustments (Hang Fan if necessary)			2	4	8
			'	Т	otal Load-In	21
	Materials	Quantity or Amount	Ur of S		Unit Price	Total Price
1r011	Sonotube (12' long x 8" diameter)	3	e	а	\$8.75	\$26.25
1r012	Piano Hinges (1-1/2" x 6')	3	е	а	\$6.51	\$19.53
1r014	Box of Snow (30lbFR)	1	е	а	\$110.00	\$110.00
			Hard	dware Co	osts (at 5%)	\$7.79
		Total Materials with	5% Hard	lware (	Rounded).	\$165

2/2, 2:16 pm Approved: Snow Cradle / Fan Page 19

**Technical Design and Production Department Unit Estimate: Approved** 

							Load-In
	Description						
	Build				Number of Crew	Hours per Crew	Total per Task
							0
						Total Build	0
	Load-In				Number of Crew	Hours per Crew	Total per Task
							0
					Т	otal Load-In	0
	Materials		Quantity or Amount		Jnit Sale	Unit Price	Total Price
1r039	Load-In		1	(	ea	\$500.00	\$500.00
				Ha	rdware C	osts (at 0%)	\$0.00
Total Materials with 0% Hardware (Rounded):				Rounded):	\$500		