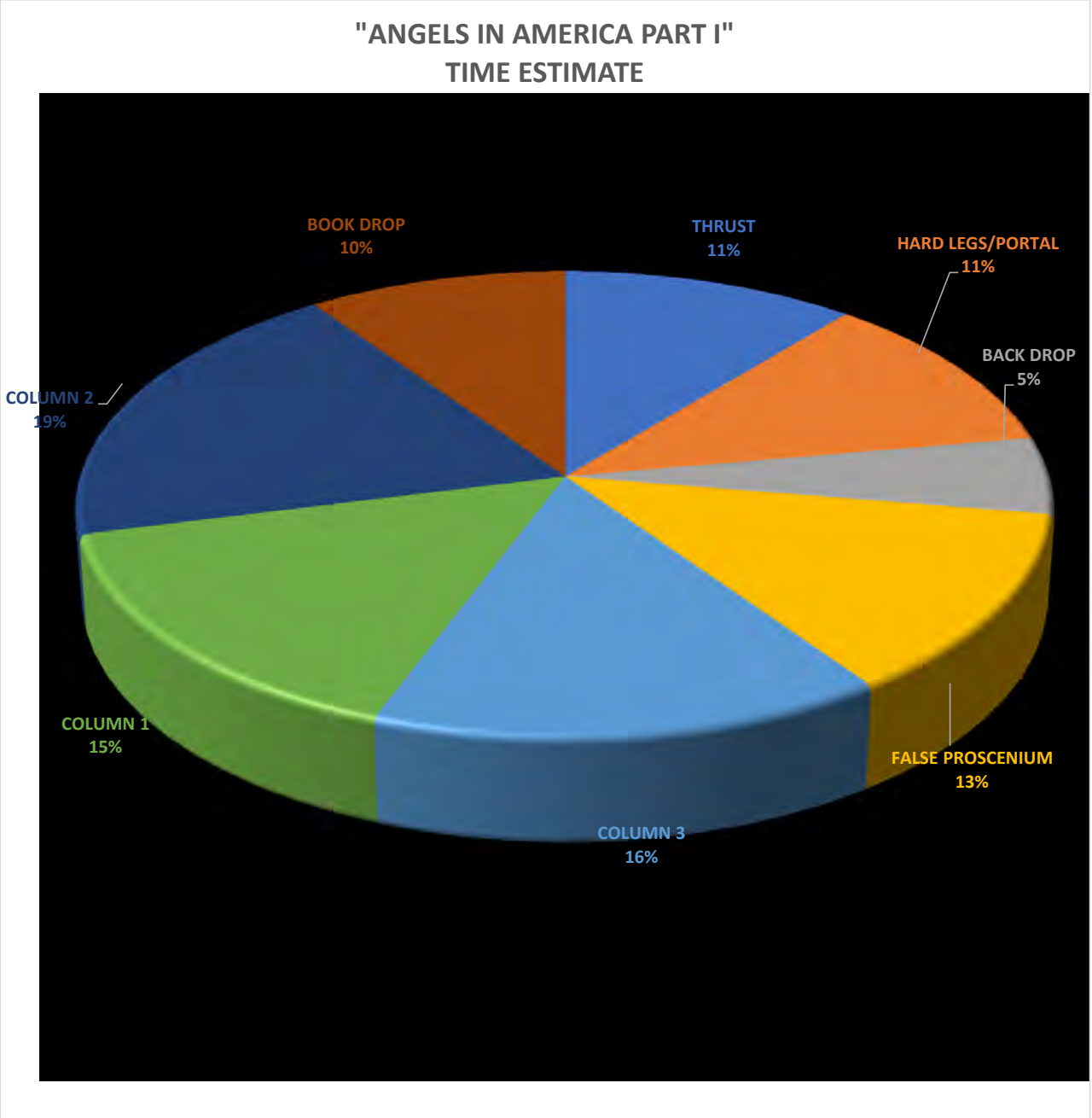
ID #	Description	Duration (IN HOURS)	PessT	OptiT	MLT	EstT
1	**THRUST**	**3.77**				
1.1	INSTALL LEGS	28.00	40	10	25	25.00
1.2	ATTACH TO STAGE	36.39	25	10	17	17.17
1.3	COVER IN DUV	98.00	120	45	90	87.50
1.4	CAP WITH MASO	63.60	40	20	30	30.00
2	**HARD LEGS/PORTAL**	**3.90**				
2.1	HANG PORTAL 1	69.07	100	30	60	61.67
2.2	BOLT PORTAL 1	20.53	40	10	15	18.33
2.3	HANG PORTAL 2	75.60	120	45	60	67.50
2.4	HANG PORTAL 2	69.07	100	30	60	61.67
3	**BACK DROP**	**1.84**				
3.1	BOLT UNITS TOGETHER	20.53	40	10	15	18.33
3.2	HANG UNIT	69.07	100	30	60	61.67
3.3	ADD BOTTOM BORDER	20.53	40	10	15	18.33
4	**FALSE PROSCENIUM**	**4.40**				
4.1	HANG TOP PIECES	75.60	120	45	60	67.50
4.2	BOLT TOP PIECES	50.40	60	30	45	45.00
4.3	HANG LEG 1	69.07	100	30	60	61.67
4.4	HANG LEG 2	69.07	100	30	60	61.67
5	**COLUMN 3**	**5.29**				
5.1	SET BASE	11.20	15	5	10	10.00
5.2	INSTALL WALL D	16.80	20	10	15	15.00
5.3	INSTALL WALL C	37.33	60	20	30	33.33
5.4	BOLT COLUMN TOP TO WALL D/C	20.53	40	10	15	18.33
5.5	INSTALL WALL B	37.33	60	20	30	33.33
5.6	BOLT COLUMN TOP TO WALL B	19.23	25	10	17	17.17
5.7	INSTALL WALL A	37.33	60	20	30	33.33
5.8	BOLT COLUMN TOP TO WALL A	19.23	25	10	17	17.17
5.9	DRILL PILOT HOLES ON BOTTOM FOR LOCK	37.33	60	20	30	33.33
5.10	TEST/TROUBLE SHOOT	81.20	180	15	60	72.50
6	**COLUMN 1**	**5.29**				
6.1	SET BASE	11.20	15	5	10	10.00
6.2	INSTALL WALL D	16.80	20	10	15	15.00
6.3	INSTALL WALL C	37.33	60	20	30	33.33
6.4	BOLT COLUMN TOP TO WALL D/C	20.53	40	10	15	18.33
6.5	INSTALL WALL B	37.33	60	20	30	33.33
6.6	BOLT COLUMN TOP TO WALL B	19.23	25	10	17	17.17
6.7	INSTALL WALL A	37.33	60	20	30	33.33
6.8	BOLT COLUMN TOP TO WALL A	19.23	25	10	17	17.17
6.9	DRILL PILOT HOLES ON BOTTOM FOR LOCK	37.33	60	20	30	33.33
6.10	TEST	81.20	180	15	60	72.50
8	**COLUMN 2**	**6.65**				
8.1	SET BASE	11.20	15	5	10	10.00
8.2	INSTALL WALL D	16.80	20	10	15	15.00
8.3	INSTALL WALL C	37.33	60	20	30	33.33
8.4	BOLT COLUMN TOP TO WALL D/C	20.53	40	10	15	18.33
8.5	INSTALL WALL B	37.33	60	20	30	33.33
8.6	BOLT COLUMN TOP TO WALL B	19.23	25	10	17	17.17
8.7	WORK ON MOVING ELEMENTS	81.20	180	15	60	72.50
8.8	INSTALL WALL A	37.33	60	20	30	33.33
8.9	BOLT COLUMN TOP TO WALL A	19.23	25	10	17	17.17
8.10	DRILL PILOT HOLES ON BOTTOM FOR LOCK	37.33	60	20	30	33.33
8.11	TEST	81.20	180	15	60	72.50
9	**BOOK DROP**	**3.33**				
9.1	INSTALL BOX ON LINESET	37.33	60	20	30	33.33
9.2	RUN GAC TO FLY RAIL	81.20	180	15	60	72.50
9.3	TEST	81.20	180	15	60	72.50
		0.00	0	0	0	0.00

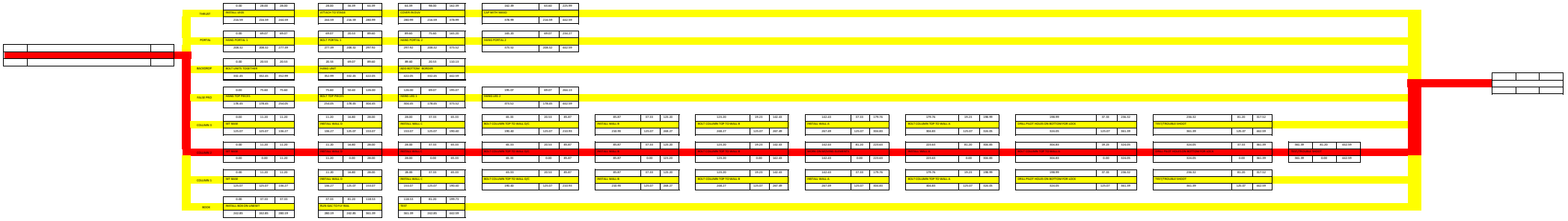
34.47



TIME ESTIMATE (IN HOURS)	
THRUST	3.77
HARD LEGS/PORTAL	3.90
BACK DROP	1.84
FALSE PROSCENIUM	4.40
COLUMN 3	5.29
COLUMN 1	5.29
COLUMN 2	6.65
BOOK DROP	3.33
TOTAL BUILD TIME (IN HOURS)	**34.47**

Total Shop Hours/WK	
Shop foreman	10
Grad Students	20
Shop Workers	35
Total	65

PRECEDENCE DIAGRAM



ANGELS IN AMERICA – WEEK 5 (LOAD-IN)

2/03 – 2/07

MONDAY 2/03

- **COLUMN BASE KNIFE PREP – (VINCE)**
- CONTINUE MAKING SPRING LOADED SCENIC KNIVES
- TEST ON PREMADE COLUMN BASE
- **COLUMN BASE ASSEMBLY – (FRAUSTO)**
- CONTINUE WITH ASSEMBLY OF COLUMN BASES
- **BACK BACKDROP WITH PLASTIC**
- FINISH BACKING TOP PIECES WITH PLASTIC
- PRIORITY ON HIGHER POINTS

TUESDAY 2/04

- **INSTALL PORTAL 1 – (+2 ON RAIL, +2 IN GALLERY, +6 ON GROUND) - 180# - (6) FULL BRICKS (1) HALF BRICK**
- SET OUT UNIT
- SET TRIM CHAIN
- ATTACH CABLES
- LOAD WEIGHT
- **INSTALL PORTAL 2 – (+2 ON RAIL, +2 IN GALLERY, +6 ON GROUND) – 140# - (5) FULL BRICKS**
- SET OUT UNIT
- SET TRIM CHIAN
- ATTACH CABLES
- LOAD WEIGHT
- **INSTALL PORTAL 3 – (+2 ON RAIL, +2 IN GALLERY, +6 ON GROUND) – 140# - (5) FULL BRICKS**
- SET OUT UNIT
- SET TRIM CHIAN
- ATTACH CABLES
- LOAD WEIGHT
- **INSTALL BACKDROP – (+2 ON RAIL, +2 IN GALLERY, +6 ON GROUND) – 470# -(17) FULL BRICKS**
- BOLT UNIT TOGETHER
- SET TRIM CHAIN
- ATTACH CABLES
- LOAD WEIGHT

WEDNESDAY 2/05

- **LOAD IN COLUMN 3 – ALL HANDS ALL DAY**
- SET BASE
  - SET BASE IN LINE WITH TRACK
- GET OUT GENIES
- INSTALL WALL D
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2” SCREWS
- INSTALL WALL C
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2” SCREWS
  - SCREW WALL C TO WALL D WORKING UP THE SEAM
- BOLT COLUMN TOP TO WALL D AND WALL C
  - BOLT TO UNDERSIDE OF THE FLAT (MAKING SURE UNIT IS NESTLED AS CLOST TO THE ANGLED PART OF THE WALL AS POSSIBLE
  - USE ¼”-2.5” BOLTS WITH WASHER AND LOCK NUT
- INSTALL WALL B
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2” SCREWS
  - SCREW WALL B TO WALL C WORKING UP THE SEAM
- BOLT COLUMN TOP TO WALL B
  - BOLT TO UNDERSIDE OF THE FLAT (MAKING SURE UNIT IS NESTLED AS CLOST TO THE ANGLED PART OF THE WALL AS POSSIBLE
  - USE ¼”-2.5” BOLTS WITH WASHER AND LOCK NUT
- INSTALL WALL A
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2” SCREWS
  - SCREW WALL A TO WALL B AND WALL D WORKING UP THE SEAMS
- BOLT COLUMN TOP TO WALL A
  - BOLT TO UNDERSIDE OF THE FLAT (MAKING SURE UNIT IS NESTLED AS CLOST TO THE ANGLED PART OF THE WALL AS POSSIBLE
  - USE ¼”-2.5” BOLTS WITH WASHER AND LOCK NUT

- TEST/TROUBLE SHOOT
  - UNIT MAY "WALK" – HOW DO WE SELF CORRECT
  - UNIT MAY SNAG ON TRACK JOINT – HOW DO WE FIX
  - **LOAD IN COLUMN 1 – ALL HANDS ALL DAY**
- SET BASE
  - SET BASE IN LINE WITH TRACK
- INSTALL WALL D
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2" SCREWS
- INSTALL WALL C
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2" SCREWS
  - SCREW WALL C TO WALL D WORKING UP THE SEAM
- BOLT COLUMN TOP TO WALL D AND WALL C
  - BOLT TO UNDERSIDE OF THE FLAT (MAKING SURE UNIT IS NESTLED AS CLOST TO THE ANGLED PART OF THE WALL AS POSSIBLE
  - USE ¼"-2.5" BOLTS WITH WASHER AND LOCK NUT
- INSTALL WALL B
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2" SCREWS
  - SCREW WALL B TO WALL C WORKING UP THE SEAM
- BOLT COLUMN TOP TO WALL B
  - BOLT TO UNDERSIDE OF THE FLAT (MAKING SURE UNIT IS NESTLED AS CLOST TO THE ANGLED PART OF THE WALL AS POSSIBLE
  - USE ¼"-2.5" BOLTS WITH WASHER AND LOCK NUT
- INSTALL WALL A ***(MUST HAVE BATTERIES/LIGHTS IN FIRST)***
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2" SCREWS
  - SCREW WALL A TO WALL B AND WALL D WORKING UP THE SEAMS
- BOLT COLUMN TOP TO WALL A
  - BOLT TO UNDERSIDE OF THE FLAT (MAKING SURE UNIT IS NESTLED AS CLOST TO THE ANGLED PART OF THE WALL AS POSSIBLE
  - USE ¼"-2.5" BOLTS WITH WASHER AND LOCK NUT
- TEST/TROUBLE SHOOT
  - UNIT MAY "WALK" – HOW DO WE SELF CORRECT
  - UNIT MAY SNAG ON TRACK JOINT – HOW DO WE FIX
  - **LOAD IN THRUST – EVENING**
- INSTALL LEGS
  - SCREW IN WITH 1-5/8" SCREWS
- SET IN PLACE
  - USE PLATE A-101 FOR PLACEMENT
  - ADJUST CARRIAGE BOLTS TO LEVEL OUT UNIT
  - SET 3/16" LOWER TO ACCOMMODATE MASO CAP
- INSTALL DUV FACING
  - WILL NEED TO GO AROUND CHAIRS
- CAP WITH MASONITE
  - SCREW DOWN

THURSDAY 2/06

- **LOAD IN COLUMN 2 – ALL HANDS ALL DAY/NIGHT**
- SET BASE
  - SET BASE IN LINE WITH TRACK
- GET OUT GENIES
- INSTALL WALL D
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2" SCREWS
- INSTALL WALL C
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2" SCREWS
  - SCREW WALL C TO WALL D WORKING UP THE SEAM
- BOLT COLUMN TOP TO WALL D AND WALL C
  - BOLT TO UNDERSIDE OF THE FLAT (MAKING SURE UNIT IS NESTLED AS CLOST TO THE ANGLED PART OF THE WALL AS POSSIBLE
  - USE ¼"-2.5" BOLTS WITH WASHER AND LOCK NUT
- INSTALL WALL B
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2" SCREWS
  - SCREW WALL B TO WALL C WORKING UP THE SEAM
- BOLT COLUMN TOP TO WALL B
  - BOLT TO UNDERSIDE OF THE FLAT (MAKING SURE UNIT IS NESTLED AS CLOST TO THE ANGLED PART OF THE WALL AS POSSIBLE
  - USE ¼"-2.5" BOLTS WITH WASHER AND LOCK NUT
- WORK ON BAR/URINAL/BOOKCASE
  - MAKE SURE ALL MECHANISMS ARE WORKING
  - TROUBLE SHOOT
  - DON'T INSTALL WALL A UNTIL UNITS ARE WORKING PROPERLY

- INSTALL WALL A ***(MUST HAVE BATTERIES/LIGHTS IN FIRST)***
  - SET ON SQUARE BASE AND SCREW IN BACK WITH 2" SCREWS
  - SCREW WALL A TO WALL B AND WALL D WORKING UP THE SEAMS
- BOLT COLUMN TOP TO WALL A
  - BOLT TO UNDERSIDE OF THE FLAT (MAKING SURE UNIT IS NESTLED AS CLOST TO THE ANGLED PART OF THE WALL AS POSSIBLE
  - USE ¼"-2.5" BOLTS WITH WASHER AND LOCK NUT
- TEST/TROUBLE SHOOT

FRIDAY 2/07

- **ADD BORDER TO BOTTOM OF BACKDROP – (+2)**
- LAUAN BLACK BORDER TO BOTTOM OF BACKDROP
- TEK SCREW IT IN
- **WORK ON BOX INSTALL FOR BOOK – (FRAUSTO, +1)**
- BUILD BOX TO SIZE OF BOOK
- ATTACH BOX TO THE BATTEN
- RUN 1/16" GAC FROM BOOK BOX TO FLY RAIL
- TEST
- **BEGIN CNC FILES FOR FALSE PRO – (+1)**
- CUT FILES
- **WORK ON FALSE PRO – (+1)**
- BOLT LEGS TOGETHER
- WRAP IN BLACK DUV

ANGELS IN AMERICA – WEEK 5 (SET FINISH)

2/10 – 2/14

MONDAY 2/10

- **CUT OUT FALSE PRO ON CNC – (VINCE or STEPHEN, MORNING)**
  - CUT "TOP_1" (2hrs) AND "SL_LEG" (2hrs)
- **INSTALL/FINISH GAGS ON COLUMN 2 – (VINCE or STEPHEN, MORNING)**
  - BAR
  - ACCESS DOOR
- **BEGIN ANGELS RIG LOAD IN – VERTIGO TEAM (AFTERNOON)**
  - BEGINS A 1PM WITH LOAD-IN THROUGH THE LOADING DOCK DOOR

TUESDAY 2/11

- **CUT TRIM FOR FALSE PRO**
  - FOLLOW STEPS AS WE DID FOR THE PORTALS
- **FINISH INSTALL OF PORTAL 3 TRIM**
  - SET/GLUE/STAPLE
- **INSTALL PORTAL 1 TRIM**
  - SET/GLUE/STAPLE
- **GET LAST WALL ON COLUMN 2 – (FOUR HANDS – THEN JUST STEPHEN)**
  - SCREW/BOLT/DRILL HOLES

WEDNESDAY 2/12

- **FINISH FALSE PRO**
  - COVER REMAING THREE IN DUV
  - COVER ALL IN PLASTIC
- **INSTALL DUV AROUND THRUST**
  - TAKE OFF MASO CAP
  - STAPLE DOWN DUV (MAKE PRETTY/TAKE YOUR TIME)
  - REINSTALL MASO CAP WHEN FINISHED
- **MAKE TRIM**
  - MAKE TRIM FOR COLUMNS AS NEEDED
- **SPIKE COLUMN PLACEMENT PER SCENE ON STAGE**
  - WORK WITH TD ON MOVING/SPIKING COLUMNS
- **MARK SECOND FLY RAIL GALLERY**
  - LABLE NEEDED BATTENS (DISCUSS WITH TD)

THURSDAY 2/13

- **INSTALL FALSE PRO (MORNING)**
  - SET TRIM CHAIN
  - RAISE TOP SECTIONS IN TWO PARTS/BOLT TOGETHER
  - STAND UP LEGS AND BOLT TO TOP SECTIOIN/SCREW TO FLOOR
- **REMOVE HOGS TROPH ON PORTALS**
  - ALL HOGS TROPHS ON ALL PORTALS
- **CLOSE BOTTOMS OF COLUMNS**
  - BOTTOMS ARE FLAIRING OUT – WILL BE DISCUSSING OPTIONS WITH DESIGNER (DISCUSS WITH TD)
- **INSTALL ALL TRIM REMAINING**
  - SET/GLUE/STAPLE

FRIDAY 2/14

- **BEGIN TECH NOTES**
  - WILL HAVE NEW NOTES FROM TEAM, WILL WORK ON THEM ACCORDINGLY