

BEC 2016 40' THREE SIDED TOWER

6HB

Key Dimensions

Height to Platform	40'
Base Width	10'
Platform Width	3'
Third Leg Setback	10.5"
Height of Horizontal Braces	
1 st	1'
2 nd	10'
3 rd	18'
4 th	26'
5 th	34'
6 th	40'

Notes

- Set Third leg in place with alignment gauges at top and bottom of tower and use plumbob to measure 3rd Leg Setback.
- Rig auto-belay to tower before raising. Tie-back independently to all main uprights
- Spread load of erecting rope to all three upright spars.
- Handrails and flagpole optional

5HB

Spars

Main Uprights	3 x 45'
Horizontal Braces	
1 st	3 x 12'
2 nd	3 x 10'
3 rd	3 x 8'
4 th	3 x 6'
5 th	3 x 6'
6 th	3 x 4'

Ropes

- 10' x 1/4" x 20
- 15' x 1/4" x 70
- 20' x 1/4" x 40
- 30' x 1/4" x 25
- 50' x 1/4" x 1
- Heavy Slings x 4
- 150' x 3/4" x 1

4HB

Diagonal Braces

1 st	6 x 14'
2 nd	6 x 12'
3 rd	6 x 10'
4 th	6 x 10'
5 th	6 x 8'
Staging Tripods	3 x 12'
	3 x 4'

Sundries

- 2x2 Tackles "Blocks, 50+ Draw
- 8" Snatch Blocks x 2
- Capstan + Accessories
- 3rd Leg Alignment Gauges
- Sackling x 3
- Plumbob
- Binder Twine
- American flag
- Step Ladder and stools
- Auto-Belay + Accessories
- Harnesses
- Helmets
- Peavies x 2

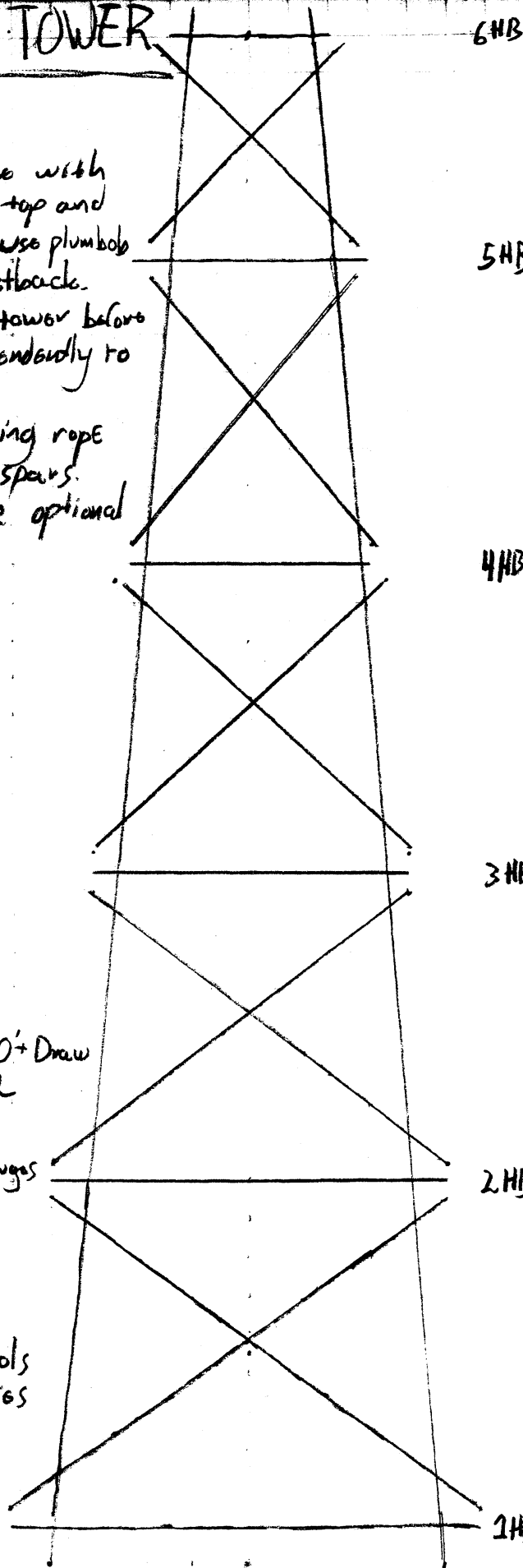
3HB

Erecting Shear Legs

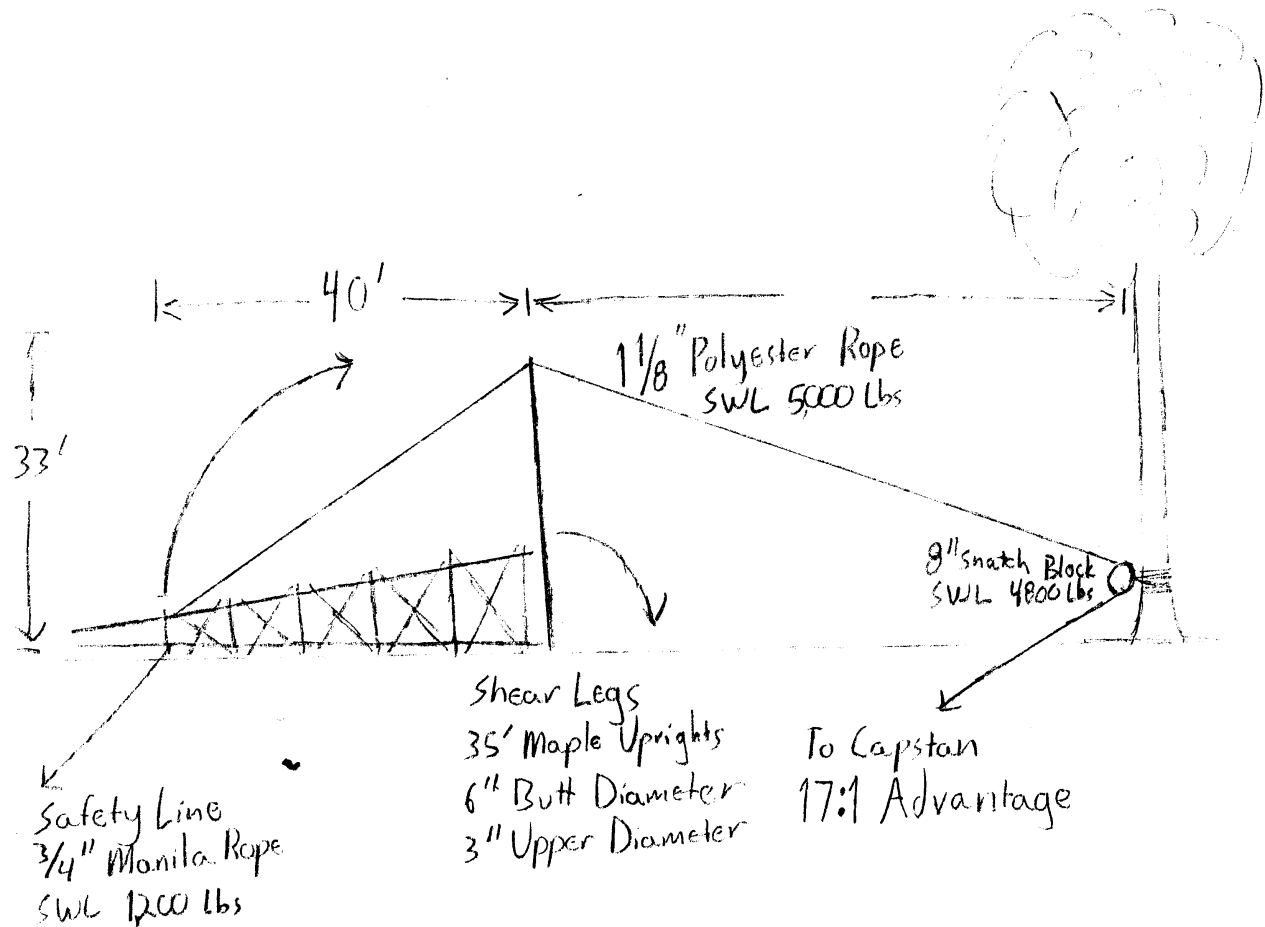
Uprights	2 x 35'
Ledger	1 x 12'
Floor Spars	Pallet Boards
Flag Pole (Optional)	1 x 15'

2HB

1H



BEC 2016 40 3-Legged tower Rigging Plan



Notes

- 1 1/8" Polyester line sits in crotch of shear legs and is held in place by friction
- The shear legs are not fixed upright. As the tower is erected, they pivot towards the ground and fall away when the tower reaches an angle of about 45°
- Tie back feet of tower to prevent skidding during early stages of lift.
- Safety line runs through a 4" snatch block and takes a round-turn on a suitable tree
- Tie back capstan with two 3/4" or larger ropes.
- Security mouse all hooks and snatch blocks with binder twine