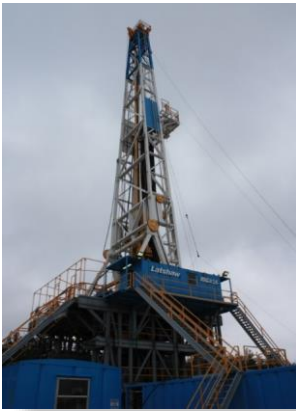


# RIG 16

## Latshaw DRILLING

### Primary Equipment



Major Systems		Secondary Systems	
<b>Drawworks</b> Mid-Continent U-1220 EB 2500HP Low Low rated 860,000# Hoisting Capacity 10 lines, 991,400# Hoisting Capacity 12 lines Driven by (2) GE 752 DC motors		Baylor Elmagco 7838 Auxiliary Brake	
<b>Prime Power</b> Omron/ SCR System, 3 Generator Bays, 4 SCR Bays 3-Caterpillar 3512B w/ Kato 1365 KW AC Gen Sets		1-1/2" WireRope 6 x 19 EIP IWRC	
<b>Mast/Substructure</b> IDS 154' 1,250,000# Hook load with 30' Box on Box type Crown Block 7-60" Sheaves 1-1/2" Groove Fastline 1-60" 1-1/2" Grooved Walking System		Cold Start air system, primary Rig Air supply, floor hoisting systems	
<b>Top Drive - Traveling Block - Pipe Handling</b> NOV TDS 11SA VF AC 500 Ton Continental Emsco 500 Ton Block 27 1/2" Rotary /Drwks Driven Varco ST-80 pipe handling system		Fuel Capacity 18,000gal & Water Storage Capacity 500bbl	
<b>Mud Pumps</b> 2 -HH 1600 1600 HP Triplex 7,500#WP PSI Fluid Ends and delivery system Driven by (2) GE 752 DC motors		Rotary load 1,250,000# Set Back 750,000#	
<b>Mud System</b> 2 - Tank system (1,200bbl Capacity) w 100bbl TT 2 - Brandt King Cobra Venom linear motion		Tool Pusher and Crew quarters rig matting boards	
<b>BOP Stack Description</b> 13 5/8" 5,000#WP Annular 13 5/8" 10,000#WP Double Ram 13 5/8" 10,000#WP Single Ram		Martin-Decker Type E, Pump SPM & PSI, Top Drive control, SCR system controls & MU/BO Torque	
<b>Drill String</b> 8 " and 6-1/2" Drill Collars 5" Drill Pipe		Manual Tongs, elevators, slips and clamps for Latshaw supplied DS	
		Church Energy 3,000PSI Accumulator, 180 gal, 6 station w/remote	
		8-NOV Max2000 10HP Mud agitators	
		NOV Brandt Desander 3- 10" Cones w/6 x 8 Centrifugal driven by 100HP Motor	
		NOV DeSilter 20-4" Cones w/ 6 x 8 Centrifugal driven by 100HP Mtr	
		Type FC 4 1/16"10,000#WP x 3 1/16" 10,000#WP Choke Manifold	
		NOV Brandt D-1000-C Degasser	
		5" 19.5# G-105 and S-135	
		Heavy weight Drill pipe	

**Annular**

**13-5/8" 5,000#WP**

**Double Ram**

**13 5/8" 10,000#WP Ram**

**13 5/8" 10,000#WP Pipe**

**Single Ram**

**13 5/8" 10,000#WP Pipe**

**With required adaptors**

**Mud Cross 13 5/8" 10,000#WP**

**Wing Valve 4 1/16" 10,000#WP**

**HCR Valve 4 1/16" 10,000#WP**

**Choke Blk 4 1/16" 10,000#WP**

**Kill Valve 2 1/16" 10,000#WP**

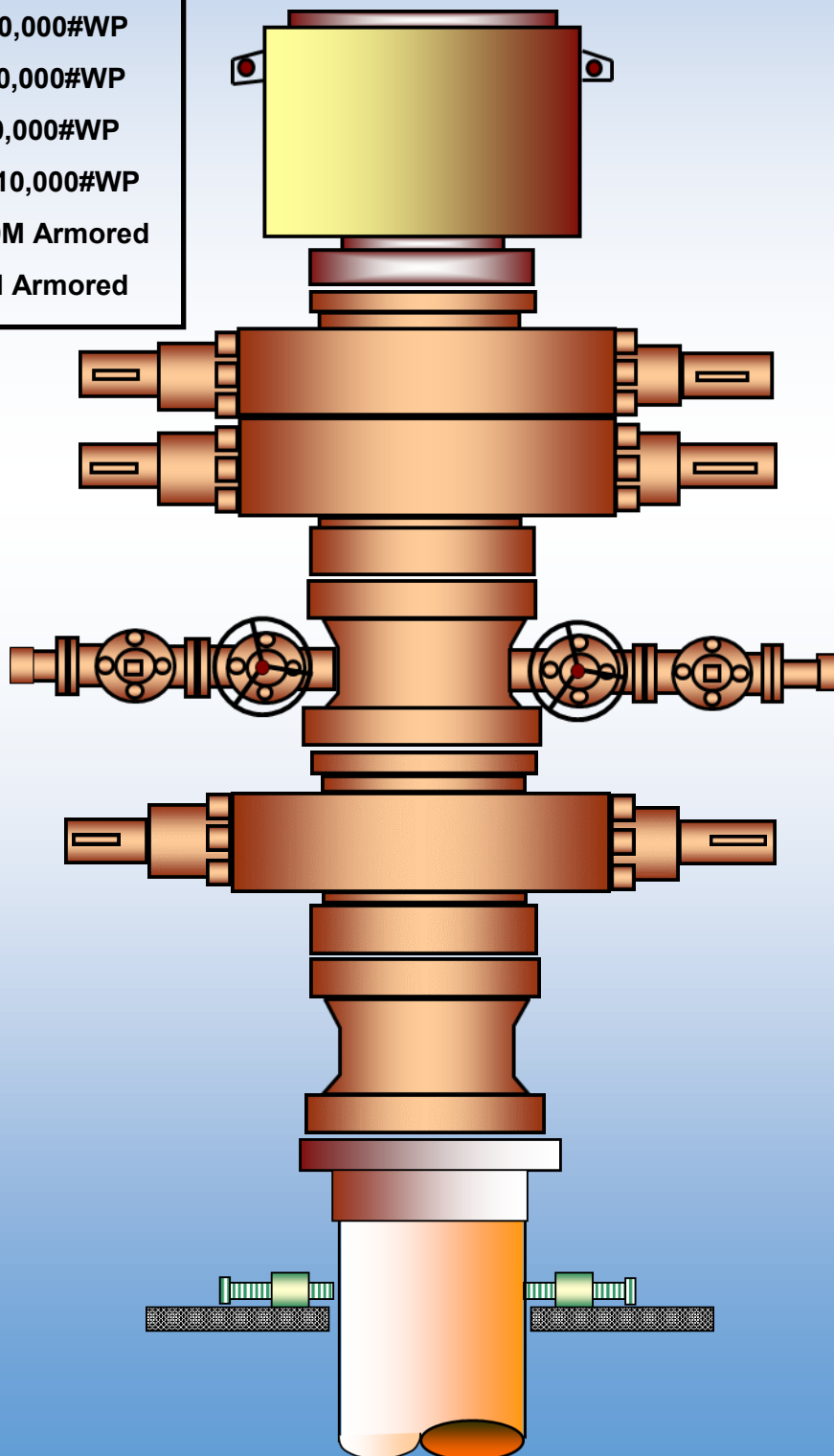
**Check Valve 2 1/16" 10,000#WP**

**Choke Line 4 1/16" 10M Armored**

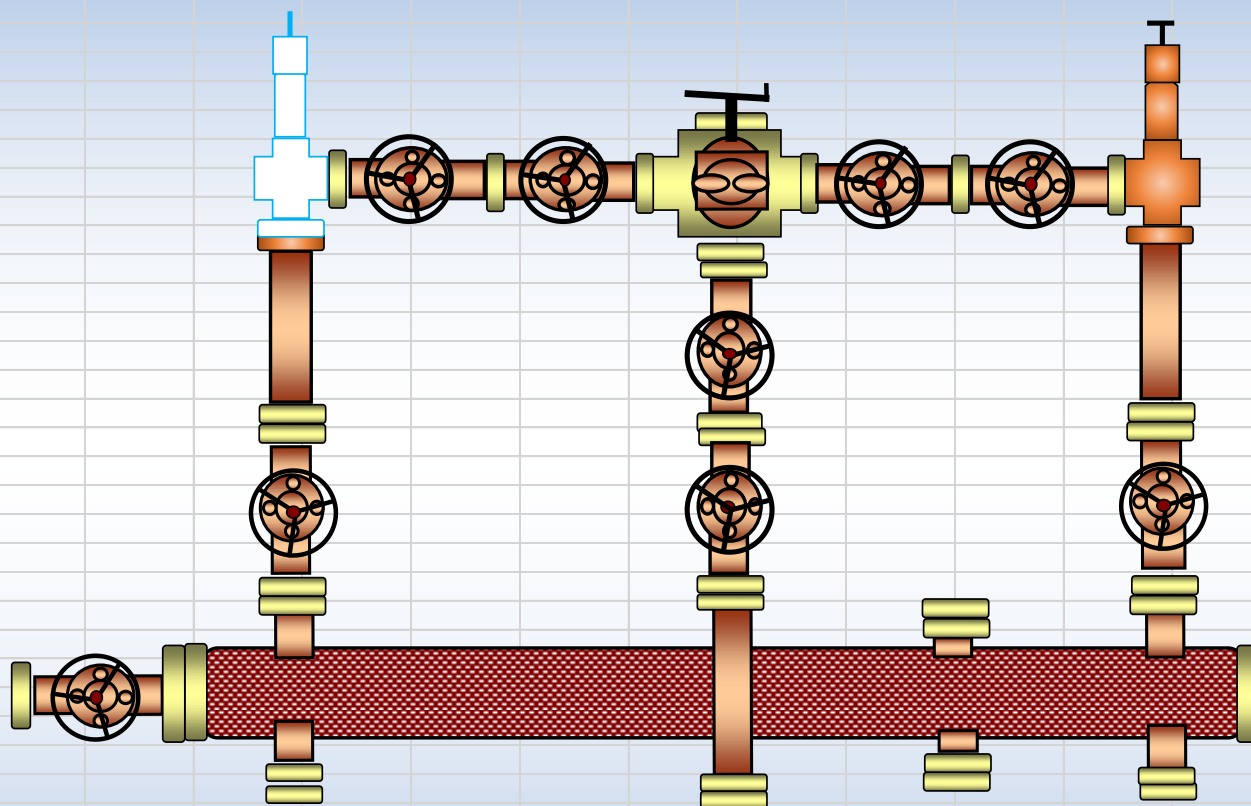
**Kill Line 2 1/16" 10M Armored**

# RIG 16

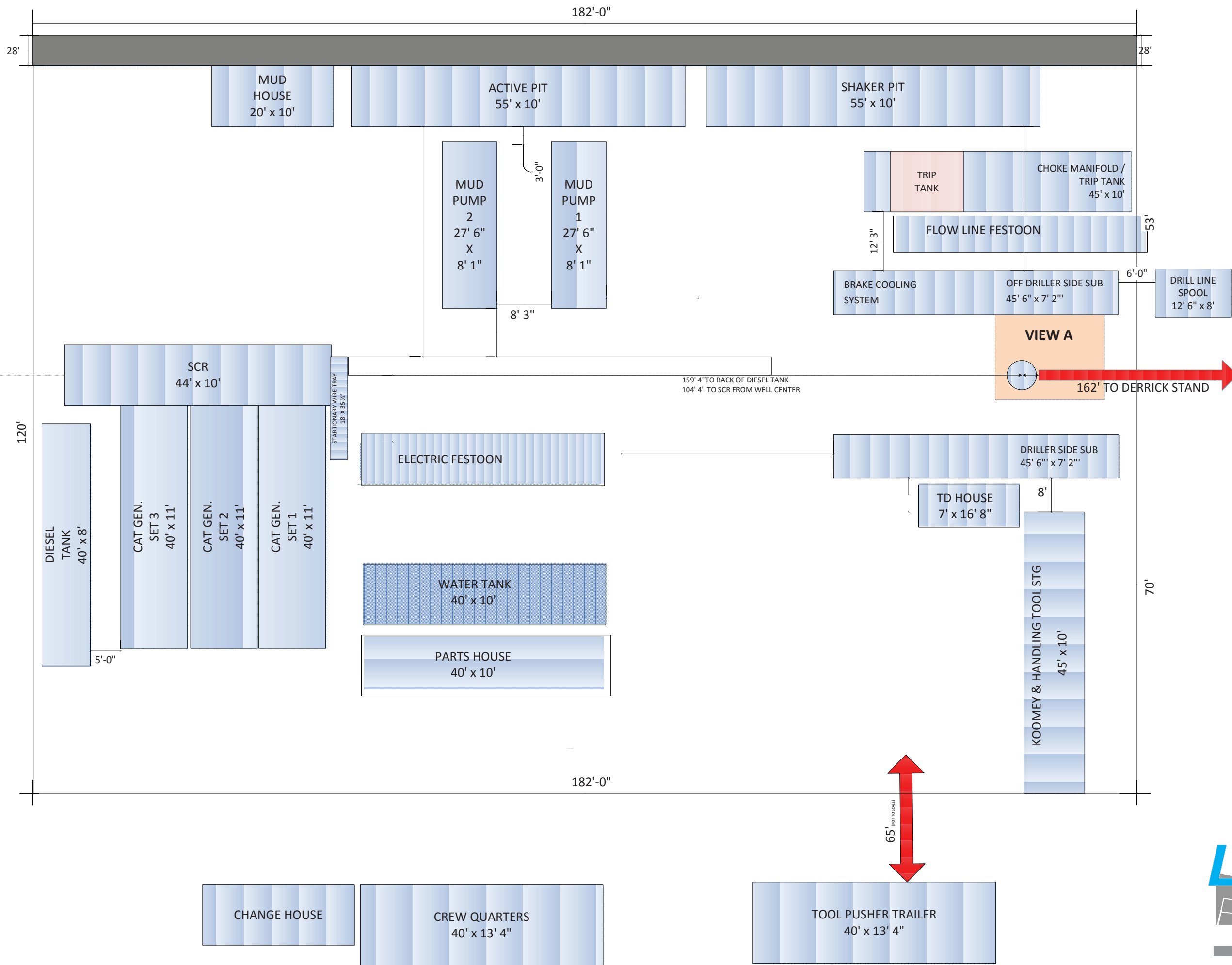
***Latshaw***  
**DRILLING**



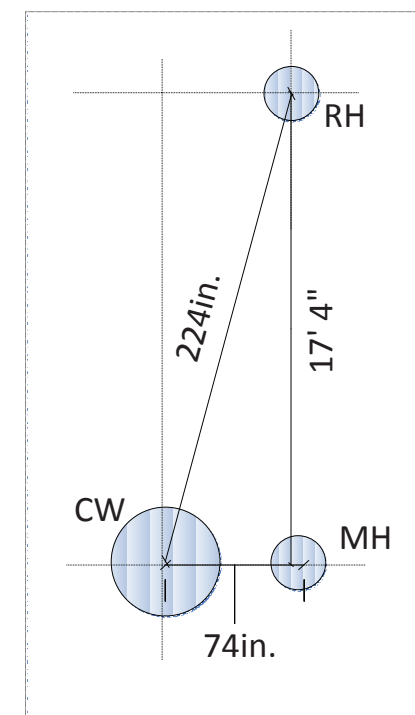
# RIG 16



- 2 - Gate Valve 4 1/16" 10,000#WP
- 4 - Gate Valve 3 1/16" 10,000#WP
- 3- Gate Valves 3 1/8" 5,000#WP
- 1- Gate Valve 2 1/16" 10,000#WP
- 1 - Manual Adjustable Choke 3 1/16" 10,000#WP
- 2 - DSA, 3 1/16" 10,000#WP
- 1 - Spool, flange adp 2 1/16" 10M
- 1 - Studded Cross (5way) 10,000#WP
- 1 - Instrument Flange and Gauge
- 10 3/4" Buffer Chamber
- 3 - Blind Flanges, 4 1/16" & 3 1/16" 10M
- 4- Flanges, 4 1/16" 5M & 10M
- 1 - Adapter Spool 2 1/16" 10,000#WP



## VIEW A



### NOTES:

MOUSE HOLE IS AT A 5 DEGREE SLANT AWAY FROM WELL.

RAT HOLE IS 27 FEET DEEP AT 10 DEGREE SLANT AWAY FROM WELL

# RIG 16

