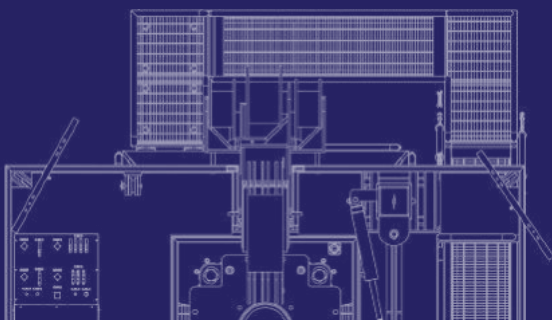


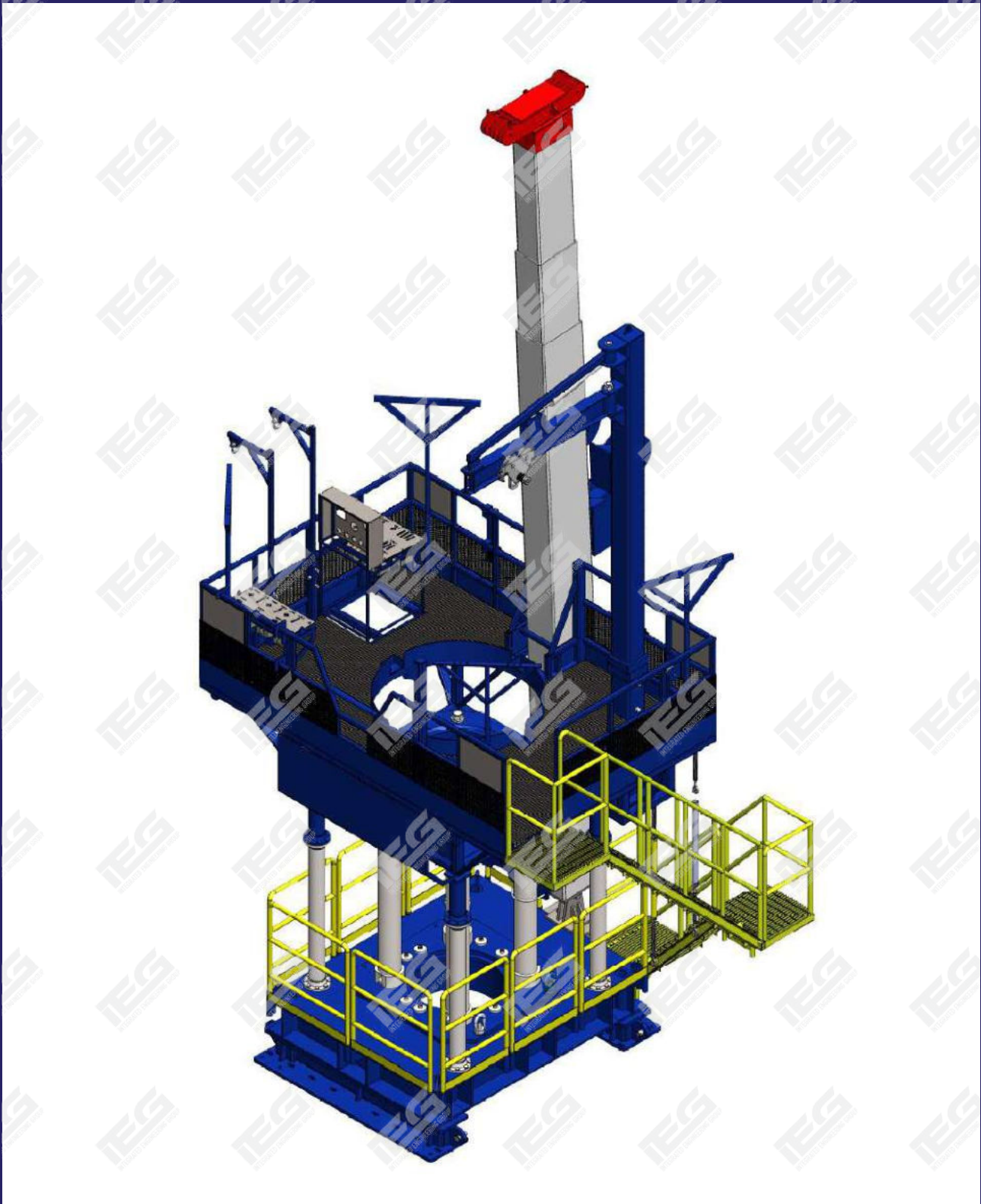


HYDRAULIC WORKOVER UNIT

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HWU600K HYDRAULICS WORKOVER RIG SPECIFICATIONS (ZONE 2)

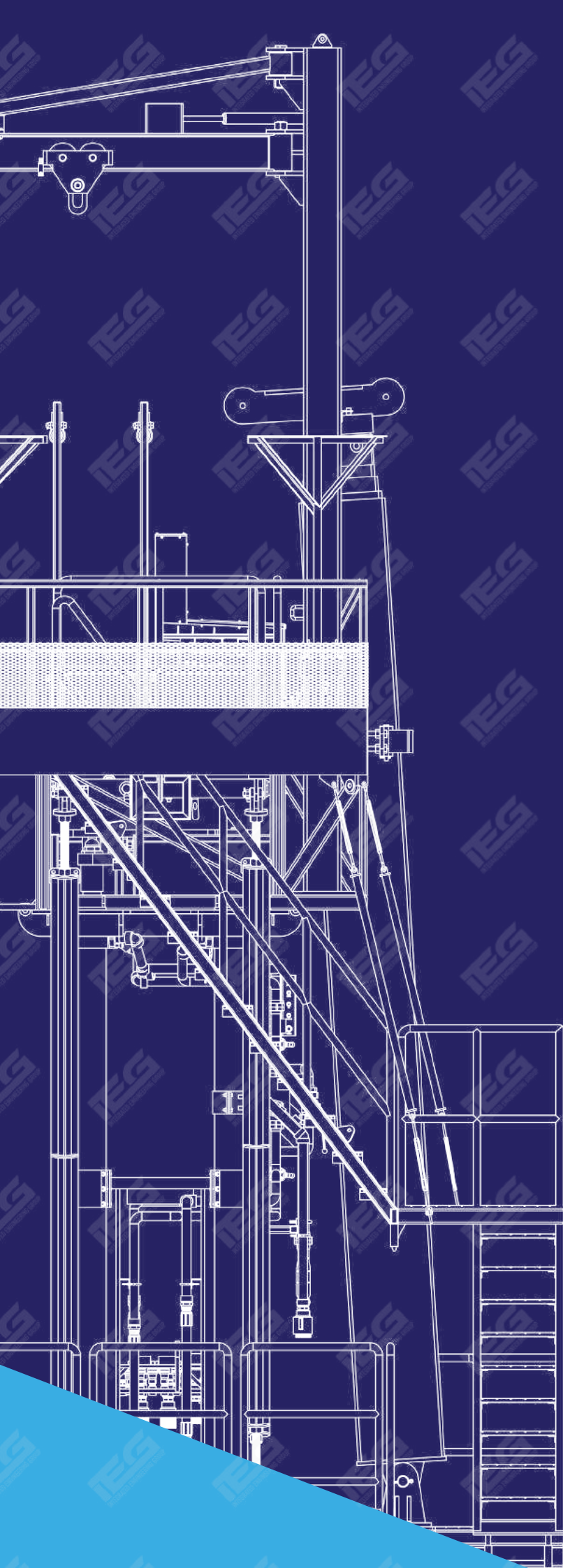


NO	UNITS	SPECIFICATION	QTY	DIAGRAM
1	GIN POLE	<ol style="list-style-type: none"> 1. 4 Section – 10MT Telescopic Gin Pole 2. Manual Pin Locking System 3. Hydraulic Operated Scoping Up & Down 4. Minimum Length: 8.0M 5. Maximum Length: 22.5M from Subbase 6. 2 X Counter Balance: 2.5MT 7. 1 X BHA Winch: 5MT <p>Dimension: L8.0M x W1.0M x H1.2M Weight: 6.50 Tons</p>	1	
1.1	CB & BHA WINCHES	<ol style="list-style-type: none"> 1. Hydraulic Motor: PC60-5 2. Drum with Disc Mechanical Braking System 3. Cable: 14MM DIA x 75M Long Wire Rope Sling. 4. Capacity: 2.5 Tons X 2 (CB) / 5 Tons X 1 (BHA) 5. Handling Capability: 1" to 7" Tubular 6. Max. Speed Lift: 52 jts/hr 7. Package Capable Lifting, Proper Size Cables and Swivels 8. Hydraulic Winch Assembly Capable of Handling <ol style="list-style-type: none"> i. 2-7/8" – 5-1/2" and 7.00" Liner Casing. ii. 3-1/2" – 4-1/2" Drill Collar <p>Dimension: L1.26M X W1.0M X H0.7M Weight: 3.0 Tons</p>	2 (CB) 1 (BHA)	
2	WORK BASKET	<ol style="list-style-type: none"> 1. Counterbalance Control Panel 2. Caged Access Ladder to Deck 3. Hand Rail Minimum Height: 1.2M 4. Kick-Plate around the Basket 5. 3 x Escape Devices to Evacuate All Personnel 2 x Escape Lines & 1 x Ladder 6. Pipe Opening via V-door with Roller System 7. For 4 x Pole Lighting Holder for 24 hours Operations 8. Build for 32" Bore Hole <p>Dimension: L4.35M x W3.0M x H2.35M Weight: 6.5 Tons</p>	1	
2.1	TONG ARM	<ol style="list-style-type: none"> 1. Structural Load to Hang Up to 3.5MT 2. 3.5MT Rated Pulley 3. Hydraulic Cylinder for Swivel Control <p>Dimension: L5.1M x W.75M x H2.1M Weight: 1.50MT</p>	1	

NO	UNITS	SPECIFICATION	QTY	DIAGRAM
2.2	LADDERS	1. Ladder Hand Rail Minimum Height: 1.2M 2. Ladder Stair Width: 0.5M Dimension: L5.2M x W2.00M x H1.6M Each Weight: 2.5 Tons Each	1	
3	JACK STRUCTURE	1. Four Cylinder Hydraulic Jack Assembly Rated at 600,000 lbs. Pull and 256,000 lbs. Snub. 2. Cyl. Bore Diameter : 8" 3. Cyl. Rod Diameter : 6" 4. Stroke : 5' 5. Bore Diameter : 32" 6. Husco Directional Valve (Auto Control from Operator Console) 7. Hydraulic System Weight Indicator Dimension: L1.8M x W1.8M x H2.8M Weight: 6.5MT	1	
3.1	ROTARY TABLE	1. Rotating Capability: 22,000 ft-lb Torque 2. 80-100 RPM Minimum (CW and ACW) Locking Devices 3. 4 Motor (Charlyn SR-100) 4. Bore Hole: 14-1/2" Dimension: L1.6M X W1.60M X H0.3M Weight: 1.2MT	1	
3.2	COUNTER BALANCE CONSOLE	1. 0 - 3.000 Psi Pressure Gauge (Drum 1) 2. 0 - 3.000 Psi Pressure Gauge (Drum 2) 3. 2 x Control Handle 2 x Control Handle	1	
3.3	OPERATOR CONSOLE	1. Weight Indicator for Lift 0 – 600.000 Lbs 2. 0 - 3.500 Psi Pressure Gauge Hydraulic Jack 3. 0 - 3.500 Psi Pressure Gauge for Hydraulic Slip 4. 0 - 3.500 Psi Pressure Gauge for Rotary Table 5. 0 - 3.500 Psi Pressure Gauge for BOP 6. 1 x Jack Operator Handle 7. 4 x Slip operator Handle 8. 1 x Rotary Table Operator Handle 9. 1 x Remote Valve for Hydraulic Jack Pressure 10. 1 x Remote Valve for Slip Bowl Pressure 11. 1 x Engine Shut Down Handle 12. 1 x Engine Throttle Handle H-2 FX Air Control Valve 13. 2-4 Leg Selector Valve (Hydraulic Operated) 14. Emergency Power Pack Shut Down Control 15. 1 x Air Pressure Horn	1	

NO	UNITS	SPECIFICATION	QTY	DIAGRAM
4	SUB BASE	<ol style="list-style-type: none"> 1. Structure: Square Hollow Section 2. Floor: Anti Slip Coating 3. Hand Rail Minimum Height: 1.2M 4. Bolt Pattern for Slips 340K Bowls 5. Connected with Gin Pole Main Structure 6. Workspace for Workover Support Job <p>Dimension: L3.0M x W2.5M x H0.75M Weight: 7.00 Tons.</p>	1	
5	POWER PACK UNIT (ZONE 2)	<ol style="list-style-type: none"> 1. Skid and Frame in Accordance with DNV 2.7-3 2. Rig Safe System. 3. 12V92TA Series Detroit Diesel Engine: 600HP@2000 RPM 4. Durst Gear Box 5. Spark Arrestor Muffler System. 6. Non-Sparking Starting System (Compressed Air) Hydraulic or Inertia. 7. Flame Trap on the Air Inlet. 8. Remote Shutdown System 9. Automatic Shutdown 10. Over Speed 11. Sentinel with Auto Shutdown Sensitive to High Temperature System and Low Oil Fuel 12. Relief and Un-loading Valves. 13. Heat Exchanger for Hydraulic Oil 14. Hoses & Pressure Gauges for Hydraulic System 15. Drip Pan Offshore Standard 16. Engine Gauge Panel 17. Pneumatic Starting / Accessories System 18. Spark Arrestor Exhaust System 19. Air Operated Throttle, Kill and Emergency Kill System 20. Vane/Gear Hydraulic Pump 21. 12 CFM Air Compressor Inside 22. Hydraulic Tank: 1200L 23. LHC Parker Hydraulic Oil Cooler 24. Quick Disconnected Panels for All Panels for all External Connection 25. Hydraulic System consist of 10 Output: <ul style="list-style-type: none"> 1 x Main Hydraulic Jack 3 x Unloading Jack System 2 x Counter-Balance System 1 x Power Tong 1 x Slips System 1 x Rotary 1 x Auxillary <p>Dimension: L4.0M X W2.0M X H2.5M Weight: 8.5 Tons X 2</p>	2	

NO	UNITS	SPECIFICATION	QTY	DIAGRAM
6	SLIP BOWL	Pipe Capacity for 5.0" to 30.0" Bowl and Slip: Hydraulic <ol style="list-style-type: none"> 1. Slip Size: CHD 5.00" 2. Slip Size: CHD 5-1/2" 3. Slip Size: 7.00" 4. Slip Size: 9-5/8" Bowl and Slip: Manual Pipe Size: 10-3/4", 13-3/8", 16.0", 20.0", 24.0" 30.0" <ol style="list-style-type: none"> 5. Slip Size: 10-3/4" 6. Slip Size: 13-3/8" 7. Slip Size: 16.0" 8. Slip Size: 20.0" 9. Slip Size: 30.0" 	1	



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