

LAT Integration Stand, Indentured Drawing - Parts List - Preliminary -

Note: All Drawing Titles begin with "LAT, I&T, MGSE". Shown below are the 2nd, 3rd & 4th Title Block Lines

LAT-DS-TBD - 4x4 Integration Stand Assy

LAT-DS-0TBD - 4x4 Rotation Stand Assy, Electrical Connect Schematic / Wiring Diagram,
Part Call - 4x4 Rotation Stand, Wire (1 ea, 3 wire, 14 gauge, heavy duty)
Part Call - 4x4 Rotation Stand, Plug (1 ea, 110 VAC, NEMA 5-15, 15 Amp,)
Part Call - 4x4 Rotation Stand, Switch (1 ea, DPDT, 20 Amp, (on), off, (on))

LAT-DS-TBD - 4x4 Rotation Stand, End Support, Drive Side (1 ea)

LAT-DS-TBD - 4x4 Unit Rotation Stand, Drive Shaft Cover (1 ea)

LAT-DS-TBD - 4x4 Rotation Stand, Drive Gear Coupling Assy (1 ea OTS)

\$750.00

Part Call - 4x4 Rotation Stand, Flex Gear Coupling, Gearbox Side 2.5" Shaft (1ea, Lovj F 3 x 2.5 HUB 5/8)

Part Call - 4x4 Rotation Stand, Flex Gear Coupling, Driven Side 3.0" Shaft (1ea, Lovj F 3 x 3 HUB 3/4)

Part Call - 4x4 Rotation Stand, Flex Coupling, Splined Sleeve Halves (2 ea, Lovj F3S Sleeve)

Part Call - 4x4 Rotation Stand, Flex Coupling Accessory Kit (1 ea, Lovj F3S ACC Kit)

LAT-DS-TBD - 4x4 Rotation Stand, Variable Speed Drive (1 ea, SAFT S101001 - 41)

\$365.00

LAT-DS-TBD - 4x4 Unit Rotation Stand, Gearbox - Motor Drive Assy (1 ea)

Part Call - Gearbox Attach Fasteners, 4x4 Rotation Stand (4 ea, Hex Bolt, 3/4"-10 UNC-2A by 3.5 Long, Grade 8)

Part Call - Gearbox Attach Fasteners, 4x4 Rotation Stand (4 ea, Washers, 3/4")

Part Call - Gearbox Attach Fasteners, 4x4 Rotation Stand (4 ea, Lock Washers, 3/4")

Part Call - 4x4 Rotation Stand, Gearbox (1 ea, Winsmith 951 MDTD 2000 :1 RDL56c)

\$6,590.00

Part Call - 4x4 Rotation Stand, Keystock, 3/16" Sq, Gearbox Drive (1 ea, 2.63" Long TBC)

Part Call - 4x4 Rotation Stand, Keystock, 5/8" Sq, Drive (1 ea, 4" Long)

Part Call - 4x4 Rotation Stand, Drive Motor Attach Fasteners (4 ea, Socket Head, 3/8-16 UNC-2A by 1.25 Long TBC)

Part Call - 4x4 Rotation Stand, Drive Motor Attach Washers (4 ea, Washers, 3/8",)

LAT-DS-TBD - 4x4 Rotation Stand, Drive Motor Assy

LAT-DS-TBD - 4x4 Rotation Stand, Drive Motor, Modified (1ea, Baldwin VL3510, 1 HP TBC)

\$285.00

LAT-DS-1406 - EM-Cal Rotation Stand, Hand Crank Interface Coupling (1 ea)

LAT-DS-TBD - 4x4 Rotation Stand, Drive Motor Cover, Modified (1ea, make from Motor Cvr)

LAT-DS-TBD - Bearing Support Plate, 4x4 Rotation Stand (4 ea)

Part Call - 4x4 Rotation Stand, Split Top, Pillow Block Bearing, (4 ea, Applied Tech, DODG SP4B517SAFS300TT)

\$3,075.00

Part Call - 4x4 Rotation Stand, Shaft Position Collars (4 ea, Applied Tech MA1570322) 4 x \$32.00 =

\$130.00

Part Call - Pillow Block Assy Attach Fasteners (16 ea, , Hex Bolt, 5/8"-18 UNF-2A by TBD" Long, Grade 8, Certs Req'd~ \$250)

\$400.00

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Part Call - Pillow Block Assy Attach Fasteners (16 ea, , Washers, 5/8")
Part Call - Pillow Block Assy Attach Fasteners (16 ea, , Lock Washers, 5/8")

LAT-DS-TBD - 4x4 Rotation Stand, End Support, Driven Side (1 ea)

LAT-DS-TBD - 4x4 Integration Stand, Longeron Side Beam Weldment (2 ea)

\$1,000.00

LAT-DS-TBD - 4x4 Integration Stand, Side Beam, Detail (1 ea)

LAT-DS-TBD - 4x4 Integration Stand, Angle Attach Bracket, Detail (2 ea)

LAT-DS-TBD - 4x4 Integration Stand, End Cap, Detail (2 ea)

LAT-DS-TBD - 4x4 Integration Stand, Side Beam to End Assy, Tie Plate, Detail (4 ea)

LAT-DS-TBD - 4x4 Integration Stand, Bolt Tube, Detail (4 ea)

LAT-DS-TBD - 4x4 Integration Stand, Main End Support Assembly (2 ea)

LAT-DS-TBD - 4x4 Rotation Stand, Personnel Access Platform Assembly (2 ea)

LAT-DS-TBD - 4x4 Rotation Stand, End Support Assembly (2 ea)

Part Call - 4x4 Rotation Stand, Swivel Leveling Mount, CRES (6 ea, Mc Master-Carr 6103K79; 6 x \$64.00 =)

\$385.00

LAT-DS-TBD - Support Feet, All Thread - 8" Lng, High Strength, Reduced End (6 ea Williams Form Engineering ?)

LAT-DS-TBD - 4x4 Rotation Stand, Lg Caster, Swivel, Modified (4 ea, HX1438HD-8x3-4PL @ \$85.00 ea)

\$340.00

Part Call - 4x4 Rotation Stand, Nuts, ½-13 UNC-2B, 16 each

Part Call - 4x4 Rotation Stand, Bolts, ½-13 UNC-2A by 2.5" TBC long, 16 ea)

Part Call - 4x4 Rotation Stand, Washers, ½" (16 ea)

LAT-DS-TBD - 4x4 Rotation Stand, Slides, PAP Elevation (2 ea)

Part Call - 4x4 Rotation Stand, Slides, PAP Slide [attach Nuts and Bolts](#)

LAT-DS-TBD - 4x4 Rotation Stand, Weldment, Main End Support Assy (2 ea @ \$7K ea)

\$14,000.00

LAT-DS-TBD - 4x4 Rotation Stand, Weldment, End Base Beam (1 ea)

LAT-DS-TBD - 4x4 Rotation Stand, End Base Beam, Detail (1 ea)

LAT-DS-TBD - 4x4 Rotation Stand, Thread Plate, Lg, Detail (1 ea Used also for 3rd wheel attach ?)

LAT-DS-TBD - 4x4 Rotation Stand, Thread Plate, Foot Attach, Detail (2 ea)

LAT-DS-TBD - 4x4 Rotation Stand, End Cap, Threaded, Detail (2 ea)

LAT-DS-TBD - 4x4 Rotation Stand, Weldment, Center Base Beam (1 ea)

LAT-DS-TBD - 4x4 Rotation Stand, Center Base Beam, Detail (1 ea)

LAT-DS-TBD - 4x4 Rotation Stand, Thread Plate, Lg Tie, Detail (3 ea)

LAT-DS-TBD - 4x4 Rotation Stand, Thread Plate, Sm, Detail (2 ea)

LAT-DS-TBD - 4x4 Rotation Stand, Thread Plate, Foot Attach, Detail (1 ea)

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LAT-DS-TBD - 4x4 Rotation Stand, End Cap, Threaded, Detail (2 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Weldment, Wheel Support Box (2 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Wheel Attach Plate Detail (1 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Box, Detail (1 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Weldment, Side Beam, Short (2 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Side Beam, Short, Detail (1 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Thread Plate, Sm (2 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Beam, Vertical Riser, Detail (4 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Beam, Top Plate, Tie, Detail (2 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Beam, Top & Bottom, Side, Detail (4 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Top Plate, Detail (1 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Beam, Angled Riser, Detail (4 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Plate, PAP Structural Attach Weldment (1 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, PAP Slide Attach, Thread Plate (2 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, Beam, Spacer, PAP Slide (2 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, PAP Vertical Drive, Mounting Plate (1 ea)
 LAT-DS-TBD - 4x4 Rotation Stand, PAP, Travel Limit Block, Upward (1 ea)

LAT-DS-TBD - Personnel Access Platform, Top Assembly (2 ea, est @ ~\$ 13.5K ea =)

\$29,400

LAT-DS-TBD - Personnel Access Platform, Elevation Assembly (1 ea)

Part Call - Slide Receivers (4 ea)

Part Call - Slide Receiver attach hardware (16 sets ?)

LAT-DS-TBD - PAP, Elevation Drive Assy

Part Call - PAP, Elevator Contamination Control Boot (2 ea, OTS ?)

Part Call - Rotation Drive (1 ea)

Part Call - Rotation Drive Attach Hardware (TBD sets)

Part Call - Rotation Drive Shaft Coupling (1 ea)

Part Call - Rotation Drive Shaft (1 ea)

LAT-DS-TBD - Personnel Access Platform, Rotation Stand Interface Weldment (1 ea)

LAT-DS-TBD - Personnel Access Platform, Slide Plate (1 ea)

LAT-DS-TBD - Personnel Access Platform, Saddle Plate (2 ea)

LAT-DS-TBD - Personnel Access Platform, Support Tube (1 ea)

LAT-DS-TBD - Personnel Access Platform, Support Tube Top End Plate (1 ea)

LAT-DS-TBD - Personnel Access Platform, Support Tube, Bottom End Plate (1 ea)

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- LAT-DS-TBD - Personnel Access Platform, Elevation Drive Connect (1 ea)
- LAT-DS-TBD - Personnel Access Platform, Slide Plate Assy (1 ea)
 - Part Call - Head Support Assy
 - Part Call - Personnel Access Platform, Slide (2 ea)
 - Part Call - Personnel Access Platform, Slide Attach Hardware
 - LAT-DS-TBD - PAP, Drive Screw Attach Bracket (2 ea, OTS ?)
 - Part Call - PAP, Drive Screw Contamination Control Boot (2 ea, OTS ?)
 - Part Call - PAP, Drive Screw (1 ea)
 - Part Call - PAP, Drive Screw Attach Fasteners
 - LAT-DS-TBD - Personnel Access Platform, Slide Plate Weldment (1 ea)
 - LAT-DS-TBD - Personnel Access Platform, Plate Side Rails (2 ea)
 - LAT-DS-TBD - Personnel Access Platform, Side Rail Drive System Interface Bracket (2 ea)
 - LAT-DS-TBD - Personnel Access Platform, Top Plate (1 ea)
 - LAT-DS-TBD - Personnel Access Platform, Head Support Bracket (1 ea)
 - LAT-DS-TBD - Personnel Access Platform, Snake Light bracket (1 ea)
 - LAT-DS-TBD - Personnel Access Platform, Crawl Rail (2 ea)
 - LAT-DS-TBD - Personnel Access Platform, Hand Rail Interface Tube (6 to 8 ea ? For NRL Ops)
 - LAT-DS-TBD - Personnel Access Platform, Crawl Rail (2 ea)
 - LAT-DS-TBD - Personnel Access Platform, Ladder Rail (2 ea)
 - LAT-DS-TBD - Personnel Access Platform, Ladder Rung (8 ? ea)
- LAT-DS-TBD - Personnel Access Platform, Rotation Drive Assembly (1 ea)
 - Part Call - Personnel Access Platform, Rotator Bearings (12 ea)
 - Part Call - Personnel Access Platform, Rotator Bearing Attach Hardware (12 sets)
 - Part Call - Personnel Access Platform, Slide Receiver (4 ea)
 - Part Call - Personnel Access Platform, Slide Receiver Attach Hardware (16 sets ?)
 - LAT-DS-TBD - Personnel Access Platform, Extension-Retract Drive System Assy (1 ea)
 - Part Call - PAP Motor - Gear Drive Assy
 - Part Call - PAP Motor - Gear Drive Attach Fasteners
 - LAT-DS-TBD - Personnel Access Platform, Rotor Axle / Shaft
 - Part Call - Personnel Access Platform, Rotor Axle Attach Hardware (4 ea)
 - LAT-DS-TBD - Personnel Access Platform, Rotor Bearing (1 ea)
 - LAT-DS-TBD - Personnel Access Platform, Stator Plate (1 ea)
 - LAT-DS-TBD - Personnel Access Platform, Stator Plate Attach Hardware (8 fastener sets ?)
 - LAT-DS-TBD - Personnel Access Platform, Rotation Drive Weldment (1 ea)

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- Preliminary -**

LAT-DS-TBD - Personnel Access Platform, Rotation Drive / Slide Plate (1 ea)	
LAT-DS-TBD - Personnel Access Platform, Rotation Drive Housing, Side Wall (2 moment bearings; 2 ea)	
LAT-DS-TBD - Personnel Access Platform, Rotation Drive Housing, Side Wall (4 moment bearings; 2 ea)	
LAT-DS-TBD - 4x4 Rotation Stand, Seismic Anchor Angle Assy (4 ea)	\$500.00
LAT-DS-TBD - 4x4 Rotation Stand, Seismic Anchor Angle Plate Detail, (1 ea)	
Part Call - 4x4 Rotation Stand, Seismic Anchor, Handle (1 ea)	
Part Call - 4x4 Rotation Stand, Handle to Angle Fasteners (2 ea, ¼-20 UNC-2A by 0.75" Long)	
LAT-DS-TBD - 4x4 Rotation Stand, Transport End to End Tie Plate (2 ea)	\$300.00
LAT-DS-TBD - 4x4 Rotation Stand, Transport Wheel Bracket (2 ea)	\$200.00
LAT-DS-TBD - 4x4 Rotation Stand, Sm Caster, Swivel (2 ea, HX1238HD-4x2-4PL @ \$75.00 ea)	\$150.00
Part Call - Nuts, ½-13 UNC-2B, 8 each	
Part Call - Bolts, ½-13 UNC-2A by TBD " long, 16 ea (TBC)	
Total	\$57,870.00