



# TASK INVENTORY

Division: Industrial (Fabrication and Mods)  
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JOB PHASE	TASKS	HAZARDS	Severity (1-4)	Probability (1-5)	Risk Before	CONTROLS / STANDARDS	Severity (1-4)	Probability (1-5)	Risk After	Superintendent	General Foreman	Crew Foreman	Lead Hands	Rig Welder	Pipe Fitter	Welder's Helper	Pressure Test Crew	Equipment Operator	Crane Operator	Ironworker	Module Labour	QC Inspectors	Safety Rep	Shipper/Receiver	Scaffolder	Yard Labour	Tool Crib Attendant	Electrician	CWB Welder	Instrumentation	Millwright
					Risk (1-20)  Green = Low Yellow = Medium Orange = High Red = Extreme				Risk (1-20)  Green = Low Yellow = Medium Orange = High Red = Extreme																						
Set up Yard	Lay out Module	Tripping Injuries, MSI	2	1		SWP 22 - Material Handling, proper footwear for task	2	1																							
	Pull String Lines	Tripping Injuries, MSI	2	1		Proper footwear for the task, SWP 22 - Material Handling	2	1																							
	Set up Dunnage	MSI, Pinch Injuries, Equipment Damage	2	2		SWP 22 - Material Handling, proper lifting techniques, lift in tandem	2	2																							
	Shoot in Dunnage	MSI, uneven ground conditions	1	1		Proper footwear for the task, SWP 22 - Material Handling	1	1																							
	Set up Module Stands	Equipment Damage, MSI, Pinching	2	2		Proper footwear for the task, SWP 22 - Material Handling, use of spotters, inspect rigging prior to use	2	2																							
	Manual Handling of Dunnage	MSI, Pinch Injuries	2	2		SWP 22 - Material Handling	2	2																							
	Use of Hand Tools	MSI, Pinch Injuries, Lacerations, tool failure	3	2		SWP 26 - Grinder Operations, SWP 18 Tools/Equipment/Machinery	2	2																							
	Snow Removal - By Hand	MSI, Falls, environmental exposure	2	2		Rest as required, work in teams, proper footwear/clothing for task, traction aids	2	2																							
	Snow Removal - Bobcat	Equipment Damage, MSI, Pinching, hidden material	2	2		Use of spotters around equipment, walk area	2	2																							
	Telehandler Use	Equipment Damage, Property Damage, Swinging Loads, crushed against trailer or building, equipment failure	4	2		Use of spotters, only competent workers to operate equipment, use of load chart	2	2																							
Receive Components	Skid steer Use	Equipment Damage, Property Damage	3	2		Use of spotters, only competent workers to operate equipment, use of load chart	3	2																							
	Spotting for telehandler/skid steer	MSI, pinch or crush points, falls on same level, struck by material, swinging loads	3	2		SWP 75 Vehicle and Equipment Spotting, clear hand signals, hi vis underwear	1	1																							
	Use of Tiger Torch	Burns, Explosion, MSI, CO Exposure	2	2		SWP 35 - Propane Cylinders and Torches, use of shutoffs, use of appropriate regulators for tanks	2	2																							
	Pre-heating Pipe	Burns, Explosion, MSI, CO Exposure	2	2		SWP 35 - Propane Cylinders and Torches, torches not to be left unattended, keep torch pointed away from self and others	2	2																							
	Unloading Structural Steel	MSI, Crush Injuries, Equipment Damage, Property Damage, Falls	4	3		SWP 34 - Cranes Hoists and Lifting Devices, proper rigging for the task, sorting hooks	2	2																							
	Crane Use	Equipment Damage, Property Damage, Falls, Equipment Upset	4	1		SWP 34 - Cranes Hoists and Lifting Devices, competent operators	4	1																							
	Loader Use	Equipment Damage, Property Damage, Falls, Equipment Upset	3	2		Only operators deemed competent to operate equipment, use of spotters	3	2																							
	Tagline Use	MSI, Crushing, Pinch Injuries, Degloving, Falls, tagline not sufficient length	2	2		Use of hi-vis clothing were appropriate, do not wrap line around hands	2	2																							
	Crane Signaling	Crushing, Pinching Injuries, contact with other equipment	1	1		Hi-vis gauntlet, pre lift meeting to review hand signals	1	1																							
	Material Handling & Storage	Crushing, Pinching Injuries, MSI, Equipment Damage, Rolling	3	2		SWP 22 - Material Handling, SWP 54 - Rigging	3	2																							
Assemble Base Layer	Offload Module Base	Crushing Injuries, Pinching Injuries, Equipment Upset	3	2		SWP 22 - Material Handling, inspection/selection	3	2																							
	Offload Equipment (Exchangers etc.)	Crushing Injuries, Pinching Injuries, Equipment Upset	3	2		SWP 22 - Material Handling, use of engineered lifting points, use of approved lifting slings	3	2																							
	Two Crane Lifts	Crushing Injuries, Pinching Injuries, Equipment Upset, Contact with overhead facilities	4	3		SWP 34 - Cranes Hoists and Lifting Devices, assigned spotters	1	1																							
	Structural Bolt Up	Pinching Injuries, Crushing Injuries, Falls, MSI, Line of fire	2	2		Use of pin bars for line up of steel, all steel to be supported during installation,	2	2																							
	Impact Gun Use	MSI, Hearing Damage, Pinching Injuries, Falls	2	2		Use of earplugs, use of whip checks, maintain three point contact	2	2																							
	Simple Torque Use	MSI, Pinching Injuries, Falls	2	2		PPE, position workers out of the line of fire, impact gloves where appropriate	2	2																							
	Installing Grating	MSI, Pinching Injuries, Lacerations	2	2		Use of approved lifting devices and clips, use of taglines, Strike drops SWP	2	2																							
	Welding Grating	Burns, Lacerations, Welder's Flash, Falls, exposure to welding fumes	2	2		SWP 43 Portable Arc Welders, double eye protection, PPE, hearing protection	2	2																							
	Installing Grating Clips	Pinching Injuries, Crushing Injuries, Falls, MSI	1	1		PPE, fall protection where required	1	1																							
	Structural Welding	Burns, Lacerations, Welder's Flash, Falls, MSI	2	2		SWP 43 Portable Arc Welders	2	2																							
Install Pipe	Fitting Pipe in Module	Equipment Damage, Property Damage, Crush Injuries, Falls	4	3		SWP 22 - Material Handling, use of taglines, use of approved lifting slings, SWP-54 Rigging	2	2																							
	Lining up components	MSI, Pinching Injuries, Lacerations	3	2		SWP 22 - Material Handling, use of taglines, use of approved lifting slings, SWP-54 Rigging	3	2																							
	Pipe Bolt up	MSI, Pinching Injuries, Lacerations	3	2		Support steel with engineered lifting device, avoid the line of fire, fall protection where required	2	2																							
	Tie in Wells	Burns, Welder's Flash, Lacerations, MSI, Falls, exposure to fumes	3	2		SWP 43 Portable Arc Welders, double eye protection, PPE, hearing protection	3	2																							
	Grinder Use	Lacerations, Pinch Injuries, Eye Injuries, noise pollution,	3	2		SWP 26 - Grinder Operations, double eye protection, use of ear plugs	3	2																							
	Use of Chain Falls/Come-a-longs	MSI, Pinching Injuries, Lacerations, Crush Injuries, Struck By Injuries, Equipment Damage, equipment failure	3	2		SWP 34 - Cranes Hoists and Lifting Devices, use of "dead man" support, avoid the line of fire	3	2																							
	Standing Columns	Crushing Injuries, Lacerations, Equipment Damage, Pinching Injuries, Uneven ground conditions	3	3		SWP 34 - Cranes Hoists and Lifting Devices, trail load as required, maintain occlusion zone during lifting	3	3																							
	Installing Cross Braces	Crushing Injuries, Lacerations, Equipment Damage, Pinching Injuries	2	2		Support pipe with engineered lifting device, avoid the line of fire, fall protection where required	2	2																							
	Set up Scaffolding	Falls, Lacerations, MSI, Crushing Injuries	3	2		SWP 56 - Scaffold and temporary platform - pre-use inspection	3	2																							
	AWP Operation	Falls, Equipment Damage, Crushing Injuries, Equipment Upset	3	2		SWP 44 - Mechanical Mobile Equipment Operation	3	2																							
Installing Cable Tray	Work at Heights	Falls, MSI	4	2		SWP 20 - Working at Heights, fall arrest/restraints, fall protection plan	4	2																							
	Installing Equipment	Crushing Injuries, Pinching Injuries, MSI, Equipment Damage, Property Damage,	3	2		SWP 22 - Material Handling, use of engineered lifting points, use of approved lifting slings	3	2																							
	Leveling Exchangers	MSI, Equipment Damage, Pinching Injuries, Crushing Injuries	2	1		Maintain occlusion zone, avoid line of fire, use jacks with current service and certification	2	1																							
	Welding Blinds	Burns, MSI, Lacerations, Eye Injuries, Exposure to fumes from galvanized coating	2	2		SWP 43 Portable Arc Welders, respirator	2	2																							
	Installing Cable Tray	MSI, Lacerations	2	2		SJP-EI-06 Installing Cable Tray	2	2																							
	Cutting Tray	Lacerations, Eye Injuries, MSI	3	2		Double eye protection, hearing protection, machine guards	3	2																							
	Pulling Heat Trace Cables	MSI, Falls	2	4		SJP-EI-08 - Pulling Tack Cable in Cable Tray	2	4																							
	Cutting and Installing Cable	MSI, Lacerations	2	2		SJP-EI-11/12 - Installing Heat Trace, maintain proper body position, take breaks as required	2	2																							
	Banding Cable in Tray, use of approved cutting device	MSI, Falls, lacerations	2	2		SJP-EI-11/12 - Installing Heat Trace	2	2																							
	Cutting Glycol Tube	MSI, Lacerations	2	2		Maintain proper body position, use of banding tools, take breaks as required	2	2																							
Hydrostatic Pressure Testing	Installing Tubing	MSI, Lacerations	2	4		PPE, fall protection where required	2	4																							
	Installing Banding	MSI, Lacerations	2	3		Set up work in "power zone", use approved cutting tool	1	3																							
	Installing Blinds	MSI, Pinch Injuries	2	2		SWP 03 - Blinding/Blanking, use softeners and/or wire slings when lifting blinds	2	2																							
	Installing Carver Plugs	MSI, Pinch Injuries	2	2		Follow OEM for installation, avoid the line of fire when filling	2	2																							
	Filling Lines with Test Medium	Environmental Release, MSI, Falls, Chemical Exposure, Noise	2	2		SJP 09 - Hydrotesting	2	2																							
	Hydrostatic Pressure Testing	Environmental Release, MSI, Falls, Chemical Exposure, Noise, Pressure Release	2	2		SJP 09 - Hydrotesting	2	2																							
	Draining Lines	Environmental Release, MSI, Falls, Chemical Exposure, Noise	2	2		SJP 08 - Hydrotesting	2	2																							
	Use of Air Compressors	Hearing Damage, MSI, Struck by Pressurized Lines	3	3		SWP 11 - Compressed Air	2	2																							
	Use of Compressed Gas Tanks	Hearing Damage, MSI, Struck by Pressurized Lines, Explosions, Fire	2	2		SWP 12 - Compressed and Liquefied Gas	2	2																							
	Pneumatic Pressure Test	Uncontrolled Energy Release, Falls, Hearing Damage	4	2		SJP 10 - Pneumatic	4	2																							
Shipping Prep	Use of Laser Levels	MSI, Falls	3	4		PPE, work from level ground and maintain footwear	1	1																							
	Use of Hydraulic Power Jacks	Uncontrolled Energy Release, Falls, Crushing Injuries	3	3		Maintain occlusion zone, avoid line of fire, use jacks with current service, SWP-81 Cribbing	2	2																							
	Adjusting Module Stands	Crushing Injuries, Pinch Injuries, MSI	2	2		Maintain occlusion zone, avoid line of fire, use jacks with current service, SWP-81 Cribbing	2	2																							
	Use of May Dr																														