

Safe Work Procedure # 45

Task: Installation – Grating & Metal Deck

<u>Analysis by:</u> D.Mattila, Safety Admin	<u>Reviewed by:</u> Journeyman	<u>Approved by:</u> Owner
X	X	X

Date: 20 February, 2014	Date: 20 February, 2014	Date: 20 February, 2014
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Tools/Equipment Required:	Materials Required:	Personal Protection Equipment:
Crane, grinder, drill, chop saw, welder <u>Refs:</u> SWP #'s: 13, 15, 32, 33, 34, 35, 36, 38	Shackles/chokers, lifting straps, tag lines, fire extinguisher <u>Refs:</u> SWP #'s 27, 29, 33, 34,	Hard hat, gloves, safety boots, safety glasses/shield, <u>Refs:</u> SWP #'s:18, 33, 34, 37
Sequence of Steps	Potential Accidents or Hazards	Preventive Measures
1. Connect shackles, metal chokers, Safety hooks to grating (4 points)	Pinch points, slips & trips	PPE – gloves, hardhats, safety boots Clear working area
2. Lift to find proper safe balance	Pinch points, possible swinging of material	PPE – gloves, hardhats, safety boots Use tag lines correctly
3. Hoist/place material into position	Shifting of material when placed into position, pinch points	PPE – gloves, hardhats, safety boots Use tag lines correctly
4. Fasten or weld material into place	Welding flash, sparks, burns	PPE – gloves, welding helmet Caution/barricade area
5. Housekeeping	Slips & trips, heavy lifting	Proper lifting technique, use of Material handling equipment

Notes: Grinder, drill and chopsaw only required if necessary to ensure a proper fit.

Additional Refs:

- SWP # 40 Housekeeping
- SWP #37 – Safe Lifting & Muscular Skeletal Injuries (MSI)