



CRANE 17-18-19 GENERAL

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| Lifting Capacity | Under Sprd 2-20 | 65 LT |
| | Under Crgo Beam | 100 LT |
| Transverse | Outreach | 72.0 m |
| | Backreach | 26.0 m |
| | Total reach | 128.5 m |
| Lift Height | Above rail | 54.5 m |
| | Below rail | 16.0 m |
| | Total lift | 70.5 m |
| Mechanism | Speed (m/min/ft/min) | |
| | Hoisting Contr | 90/295.2 180/590 |
| Full/Empty | Lifting | 90/295.2 180/590 |
| | Lowering | 90/295.2 180/590 |
| Trolley Travel | | 240/787 |
| Gantry Travel | | 46/151 |
| Boom Hoisting | | ~5 min |
| Rail Size | | 171 lb/yd |
| On Dock Power | | 13.2KV, 3 Phase 60Hz |

NOTES:

- USCOE POM Dredging Phase 3 Final Survey Berth Depth of -50+2 referenced to MLLW, Tidal Epoch 1983-2001 as reported by NOAA, NOAA Tidal Station 872-3178.
- ELEVATION (ELEV) ARE BASED ON HWL (MOST EXTREME CONDITION) AT GOVERNMENT CUT, MIAMI HARBOR ENTRANCE STATION. NO CORRECTION FOR SEA LEVELS ARE PERFORMED FOR VESSEL AT WHARF 3.
- DIMENSIONS ARE IN MILLIMETERS; IN FEET AND INCHES WITHIN BRACKETS.
- ABBREVIATIONS:
 NGVD - NATIONAL GEODETIC VERTICAL DATUM
 USCE - United States Corps Engineers
 HC - HIGH CUBE CONTAINER - 2896 [9'-6"] HIGH
 SC - STANDARD CUBE - CONTAINER 2591 [8'-6"] HIGH
 HWL - HIGHEST WATER LEVEL (Recorded at Station)
- VESSEL DRAFT OF 14000 (45.9 FEET) ESTIMATED AT HWL. VESSEL ELEVATIONS ARE IN MILLIMETERS; IN FEET AND TENTHS WITHIN (PARENTHESES).
- If any discrepancy are noted and/or comments wish to be voiced, please contact Crane Management.
- PORT MIAMI HAS 50.0 FEET DRAFT AT LOW LOW TIDE and 53.75 FEET AT HIGH TIDE.
- TARGET SHIP IS 23 WIDE WITH 11 HC ON DECK AND 12 SC BELOW DECK, 20,600 TEUS and 59m BEAM.

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| 2 | | |
| 1 | 2016-10-25 | Changed Liftheight, below dock and Total Lift Height |
| REV | DATE | DESCRIPTION |

DOCKSIDE CONTAINER HANDLING STS GANTRY CRANES
 PORT MIAMI CRANES 17-18-19
 PROJECT No.: 2015.029
 GENERAL ARRANGEMENT

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DRAWN BY: A. E. BELLO
 DATE: September 26, 2016
 SCALE: TS
 DRAWING NO.: POM-2
 CAD DRAWING FILE: RFP00317 Model (4).dwg

