



UNLESS OTHERWISE SPECIFIED

TOLERANCE	UNLESS OTHERWISE SPECIFIED
.X	±.03"
.XX	±.015"
.XXX	±.0015"
.XXXX	±.0005"
X/X	F1/32"
X/X	F1/32"

[] INDICATES MILLIMETERS
DIMENSIONS IN INCHES

MATERIAL: _____ **QTY:** _____

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 ROKREM

DRAWN BY: D.Shad **DATE:** 08-25-15
DESIGN BY: Techcrane **SCALE:** None **SHT:** 3 of 3
APP'D BY: _____ **DWG. VER:** 2.2

- NOTES:**
1. TECHCRANE MODEL NUMBER L80-80.
 2. BASIC CRANE LIFTING CAPACITIES ARE AS FOLLOWS:
 MAIN FALL
 OFFBOARD - 20m SIGNIFICANT WAVE HEIGHT (HSIG)
 5 METRIC TONNES AT 15m OUTREACH
 ONBOARD
 5 METRIC TONNES AT 30m OUTREACH
 AUXILIARY FALL
 OFFBOARD - 20m SIGNIFICANT WAVE HEIGHT (HSIG)
 3 METRIC TONNES CARGO AT ALL OUTREACHES
 1 METRIC TONNES PERSONNEL AT ALL OUTREACHES
 3. CRANE LIFTING CAPACITIES ARE BASED ON THE FOLLOWING CUSTOMER REQUIREMENTS:
 API SPECIFICATION 2C, 7th EDITION
 2.0 METER SIGNIFICANT WAVE HEIGHT (HSIG)
 MINIMUM DYNAMIC FACTOR (CV) OF 2.0 FOR OFFBOARD LIFTS
 AND 1.33 FOR ONBOARD LIFTS
 CRANE ACCELERATIONS:
 VERTICAL: 1.00g
 HORIZONTAL: 0.00g
 PLATFORM STATIC INCLINATIONS:
 0.5° HEEL
 0.5° TRIM
 17.9 m/sec OPERATIONAL WIND SPEED
- CRANE PERFORMANCE PARAMETERS ARE:
 HOISTING:
 MAIN FALL (2 PART RIGGING):
 Max Raising AT 28 m/min
 AUXILIARY FALL (1 PART RIGGING):
 3.0 METRIC TONS AT 72 m/min
 SWING: 1.0 RPM AT MAXIMUM STATIC INCLINATION
 LUFFING: 0° TO 80° IN 90 SECONDS AT MAXIMUM CAPACITY

4. TOTAL CRANE WEIGHT IS APPROXIMATELY 23345 KG
5. CRANE FOUNDATION REACTIONS PER API SPECIFICATION 2C REQUIREMENTS ARE FOLLOWS:
 Maximum Overturning Moment 4067.67 kn-m
 Thrust AT Maximum Overturning Moment 162.66 kn
 Maximum Thrust 162.81 kn
 Overturning Moment AT Maximum Thru 3879.99 kn-m
6. CONTRACTOR WILL PROVIDE THE FOLLOWING POWER SUPPLY, 230V, 50 HZ (IP+N+E) UPS POWER SUPPLY FOR WINDSOCK, ADL ETC.
7. PRIME MOVER
 MARINE DIESEL ENGINE RATED 365 HP @ 2100 RPM
8. CRANE PEDESTAL (INCLUDING ALL LIGHTING) AND BODD LIGHTS (INCLUDING FLOOD LIGHTS, HELICOPTER WARNING LIGHTS)
 ANTI-2-BLOCK AND LOAD PINS) ARE SUITABLE FOR OPERATION IN ZONE 2 HAZARDOUS LOCATIONS.
 REMAINDER OF CRANE SUITABLE FOR OPERATION IN SAFE AREA.
9. CENTRAL UPS WILL BACK UP ALL APPLICABLE ELECTRICAL COMPONENTS.
10. CABLE GLAND SIZES WILL BE SIZED ACCORDINGLY.

APPROVAL SIGNATURE _____
 DATE _____

PART NO: _____
FILE NAME: L80-80 General Arrangement.dwg

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