

# CRANE LIFT PLAN

Equipment: **30 Ton Truck Crane National 13100a**  
 Date: 11/14/2023 Time Start: 7:00 am End: 3:30 pm  
 Operator Name: Jay-Ar Adviento  
 Jobsite: Biomed Sciences Customer: Univ. of Hawaii

**LOAD HANDLING / CRANE EQUIPMENT DETAILS**

Equipment been inspected before use:  YES  NO  
 Weather Conditions OK:  YES  NO  Other \_\_\_\_\_  
 Clear of Powerlines and Hazards:  YES  NO  
 Critical Lift:  YES Explain: N/A

**Equipment Configuration:**

Over rear  360 degrees  Over front  Over Side  
 Rubber  Partially Ext.  Fully Ext.  N/A

**Lifting from:**  Main Hook  Auxiliary  Extension

**Lift Information**

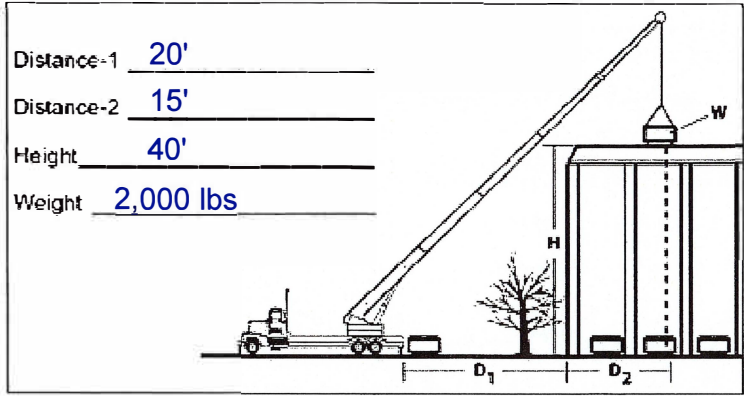
Load Radius: 60 ft. Angle: 50 °  
 Boom Length: 85 ft. Jib: - ft.  
 Max Chart Capacity based on set up: 4,000 lbs.  
 Parts of line: 1 Max Line Pull: 7,700 lbs.  
 Calculated Deductions: 500  
**Maximum (Net) Capacity:** 3,500 Lbs.  
 Load weight with Rigging: 2,000 Lbs.  
 Percentage of lift: 57 % = Load / Net  
 Lowest boom angle allowed with load on: 50 °  
 Max Load Radius allowed w/ load on: 75 ft.  
 Additional Details: \_\_\_\_\_

**NOTES:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Sketch Pad

See attached locations of Area #1 and Area #2 for materials delivery in Sections B, A, C, D, and T.

**Maximum Distance of Lift**



**LIFTING TASK(S)**

The truck crane will be set up to hoist the roofing materials to the roof top.

**Signatures**  
 Operator Name: Jay-Ar Adviento  
 Rigger Name: Richwindo Isla  
 LD/Sup Name: Ariel Robiniol  
 Other: \_\_\_\_\_

Signature X Jay-Ar Adviento Date 11/14/2023  
 Signature X Richwindo Isla Date 11/14/2023  
 Signature X Ariel Robiniol Date 11/14/2023  
 Signature X \_\_\_\_\_ Date \_\_\_\_\_

**CERTIFICATE OF MOTOR VEHICLE REGISTRATION**  
**CITY AND COUNTY OF HONOLULU - HONOLULU, HAWAII**

LICENSE NUMBER <b>811TWW</b>	MAKE <b>PTRB</b>	TYPE <b>MSTR</b>	YEAR/MODEL <b>07</b>	AFTER PAYMENT OF FEES, REGISTRATION EXPIRES ON THE LAST DAY OF:  <b>JUL 2024</b>
VEHICLE IDENTIFICATION NUMBER <b>1NPFL00X17D896528</b>		DATE FIRST SOLD <b>00/00/00</b>	TCI NUMBER <b>811TWW-20</b>	SUBMIT CURRENT VEHICLE INSPECTION CERTIFICATE IF RENEWING AFTER:  <b>APR 2024</b>
WEIGHT <b>50820</b>	CLASS <b>3</b>	SP. PLATE <b>EXEMPT</b>	STATE FEE <b>46.00</b>	
COUNTY WEIGHT TAX <b>1.50</b>	COUNTY PENALTY	STATE WEIGHT TAX <b>300.00</b>	STATE PENALTY	NEW CSI
BEAU FEE <b>7.00</b>	TOTAL PAYABLE <b>4185.00</b>	AVOID PENALTY-RENEW ON OR BEFORE <b>07/31/2024</b>		

LIENHOLDER AND ADDRESS  
**STEARNS BANK**  
**500 13TH STREET**  
**ALBANY MN 56307**

**07/05/2023**  
 DATE ISSUED

REGISTERED OWNER AND ADDRESS (PLEASE ENTER ANY ADDRESS CHANGE):

**INTERNATIONAL ROOFING & BLDG CONST INC**  
**1328 C KAMEHAMEHA IV RD**  
**HONOLULU HI 96819**

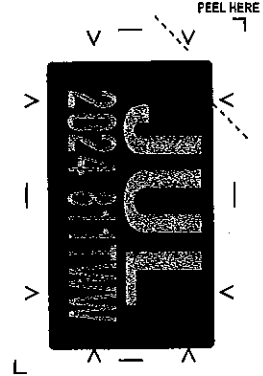
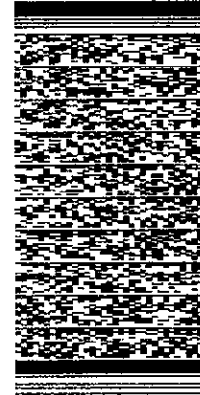


Any change of Registration Owner or Lienholder must be recorded with the department within 30 days by presenting the CERTIFICATE OF TITLE properly endorsed, last issued CERTIFICATE OF REGISTRATION and current CERTIFICATE OF VEHICLE INSPECTION. AFTER 30 DAYS, PENALTY FEE for REGISTERED OWNERSHIP WILL BE \$50.00.

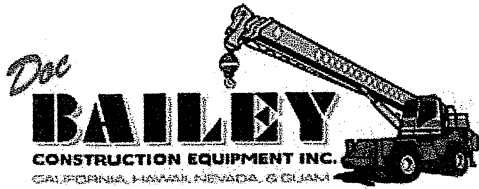
**INSTRUCTIONS FOR APPLYING LICENSE EMBLEM**

**VALIDATED CERTIFICATE MUST  
 BE IN DRIVER'S COMPARTMENT.**

**VALIDATION  
 EMBLEM NUMBER  
 811TWW**



1. CLEAN SURFACE THOROUGHLY (EMBLEM WILL NOT STICK IF WET OR DIRTY).
2. BEND EMBLEM AND PEEL BACK SLOWLY.
3. PLACE EMBLEM IN UPPER RIGHT HAND CORNER OF REAR LICENSE PLATE.



2584 Grant Ave., San Lorenzo, CA 94580  
 590 Farrington Hwy. #524, PMB 178, Kapolei, HI 96707  
 5040 Alto Ave., N. Las Vegas, NV 89115  
 456 Chalan Canton Tutujan Sinajana, Guam 96910

CA 510-638-6243 | HI 808-545-4884 | NV 702-485-1457 | GUAM 671-489-3223

**Certificate of Inspection**

**OWNER:** International Roofing & Building Construction, Inc

**LOCATION OF TEST:** DBCE yard.

**CUSTOMER ADDRESS:** 1328C Kamehameha IV Rd Honolulu HI, 96819

**USAGE LOCATION:** Changes

**DEVICE TYPE:** Truck Mounted Telescopic

**DESC:** Swing Cab Boom Truck **RATED CAPACITY:** 30 Ton

**MANUFACTURER:** National

**MODEL:** 1300A

**SERIAL:** 293620

**OWNERS IDENTIFICATION:** None

**BOOM AT TIME OF SURVEY:** 32' - 110'

**SERVICE STATUS AT TIME OF SURVEY:** Other

**BOOM TYPE:** Telescopic

**JIB LENGTH:** 25-44'

<b>RADIUS</b>	<b>PROOF LOAD</b>	<b>RATED LOAD</b>	<b>OUTRIGGERS / BOOM DIR</b>
<b>MB LONG:</b> 70'	2,400 lbs	2,400 lbs	Yes / Over Rear
<b>MB SHORT:</b>			/
<b>JIB:</b>			/

**CONFIGURATION:** As designed

**DESCRIPTION OF TEST WEIGHTS:** Known weights

**BASIS FOR ASSIGNED LOAD:** Manufacturers specifications

**THIS EXAMINATION SHALL COVER THE POINTS LISTED ON THE BACK OF THIS CERTIFICATE.**

**REMARKS AND/OR LIMITATIONS IMPOSED:** None

I certify that on 04/28/2023, the above device was examined by the undersigned; and that said test and/or examination met the requirements of the manufacturer and industry standards for which this unit is regulated under. All deficiencies affecting the safe operation of the equipment have been corrected prior to the issuance of this certificate; that there is no direct or indirect financial interest in this equipment.

**THIS CERTIFICATE IS:** General Annual Inspection

**ANNUAL EXPIRES:** 4/28/2024

**CERTIFICATE #:** 20230428a

**CERTIFICATING AGENCY:** Doc Bailey Construction Equipment Inc. **DOSH LICENSE #:** CA-01 **EXPIRES:** 03/31/2026

**SURVEYOR:** William Irvin

**CATEGORY:** Mobile

**SIGNATURE:**

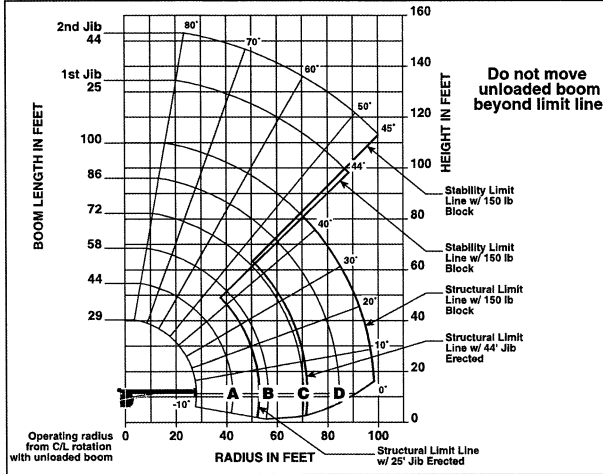
**DATE:** 04/28/2023

**TITLE:** Surveyor

# capacities

## Load Chart Rating: Series 13100A (30.5 m) Boom with 25-44 ft (7.62 m – 13.4 m) Jib / Full-Span Outrigger 20 ft (6.0 m)

National Crane will send you a chart on request – or you may secure needed load rating information through your nearest National Crane dealer.



### CAUTION:

- Do not operate crane booms, jib extensions, any accessories or loads within 10 ft (3m) of live power lines or other conductors of electricity.
- Jib and boom capacities shown are maximum for each section.
- Do not exceed capacities at reduced radii.
- Load ratings shown on the appropriate charts are maximum allowable loads with the crane mounted on a factory-approved truck and all outriggers at either full span or at mid span range and set on a firm level surface so that the crane is level and all tires are suspended.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not exceed jib capacities at any reduced boom lengths.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

### NOTE:

1. Operate with jib by radius when main boom is fully extended. If necessary increase boom angle to maintain loaded radius.
2. Operate with jib by boom angle when main boom is not fully extended. Do not exceed rated jib capacities at any reduced boom lengths.

**SERIES 13100A  
WITH  
25-44 ft JIB/  
FULL-SPAN  
OUTRIGGER 20 ft**

### LOADLINE EQUIPMENT DEDUCT

Downhaul weight.....150 lb (68 kg)  
One sheave block .....266 lb (120 kg)  
Two sheave block.....350 lb (159 kg)  
Three sheave block.....575 lb (261 kg)

## Load Chart Rating: Series 13100A (30.5 m) Boom with 25-44 ft (7.62 m – 13.4 m) Jib / Full-Span Outrigger 20 ft (6.0 m)

### 29 TO 100 ft (8.83 – 30.48 m) BOOM RATED LOADS WITHOUT JIB

LOADED RADIUS (ft)	LOADED BOOM ANGLE (deg)	29 ft BOOM (lb)	LOADED BOOM ANGLE (deg)	A 44 ft BOOM (lb)	LOADED BOOM ANGLE (deg)	B 58 ft BOOM (lb)	LOADED BOOM ANGLE (deg)	C 72 ft BOOM (lb)	LOADED BOOM ANGLE (deg)	D 86 ft BOOM (lb)	LOADED BOOM ANGLE (deg)	100 ft BOOM (lb)
5	79.5	* 60,000										
8	73	44,000	79	29,100								
10	68.5	36,900	76.5	29,000								
12	65	31,900	74	28,600	78.5	28,600						
15	57	26,400	69.5	24,600	75.5	23,500	79.5	22,900				
20	46	20,100	62.5	19,000	70.5	18,050	75.5	17,450	78.5	16,300	80	10,650
25	29	14,800	55	15,350	65	14,600	71	14,050	75.5	13,700	77.5	10,450
30			46.5	12,300	59	12,150	66.5	11,700	71.5	11,350	75	10,000
35			36	9,700	53	10,000	62	9,900	68	9,600	72	9,400
40			22	7,700	46	8,050	57.5	8,300	64	8,250	69	8,050
45					38.5	6,500	52.5	6,700	60	6,900	66	7,000
50					29	5,200	47	5,450	56	5,600	62	5,750
55					15	4,200	40.5	4,400	52	4,600	59	4,700
60							33.5	3,600	47.5	3,800	55.5	3,900
65							24.5	2,950	42	3,100	51.5	3,250
70							10	2,100	36.5	2,550	47.5	2,700
75									29.5	2,100	43	2,200
80									21	1,650	38.5	1,800
85											33	1,450
90											26.5	1,100
95											17.5	750
100												
0		7,900	0	4,100	0	2,250	0	1,100				

25 TO 44 ft JIB RATED LOADS			
LOADED RADIUS (ft)	LOADED BOOM ANGLE (deg)	25 ft JIB (lb)	44 ft JIB (lb)
30	78	5,100	
35	76	5,100	78
40	75	4,950	76
45	71	4,450	74
50	69	4,150	72
55	67	3,850	70.5
60	64	3,550	68.5
65	62	3,200	66.5
70	59	2,500	64.5
75	56	2,100	62
80	52.5	1,650	59.5
85	49.5	1,250	57.5
90	45	900	55
95	42	550	52.5
100			48.5
105			45.5
110			600

\*SHADED AREAS ARE STRUCTURALLY LIMITED CAPACITIES

1300

BOOM LENGTH (ft)	25 – 44 ft JIB STOWED
29	Reduce load 800 lb
44	Reduce load 600 lb
58	Reduce load 450 lb
72	Reduce load 350 lb
86	Reduce load 300 lb
100	Reduce load 250 lb

### RATED LOAD REDUCTIONS WITH STOWED JIB

#### Note:

1. All capacities are in pounds, angles in degrees, and radii in feet.
2. Loaded boom angles are given as reference only.
3. Shaded areas are structurally limited capacities.
4. Handling of personnel is only permitted with full span extension of all outrigger and stabilizer beams.
- \*5. See owners manuals. The 60,000 lb load requires optional 9/16" diameter 6x25 IWRC cable.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



# CIC Certified Crane Operator

FOR

TB<21,TB21-75,TB >75



**Ariel Robiniol**

**HAW-114104**

**ISSUED: 06/22/2019**

**EXPIRES: 06/22/2024**



A handwritten signature in black ink, which appears to read 'James Headly'. The signature is written in a cursive style and is positioned above a horizontal line.

**James Headly- CEO**



# CIC Certified Crane Operator

FOR

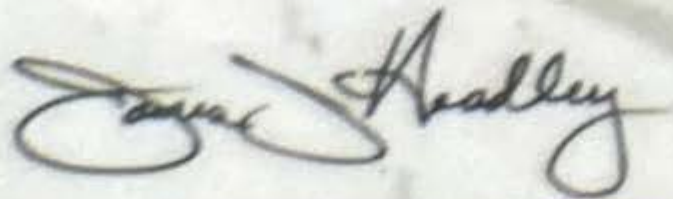
**TB<21,TB21-75**

**Jay-ar Adviento**

**HAW-201102**

**ISSUED: 06/22/2019**

**EXPIRES: 06/22/2024**

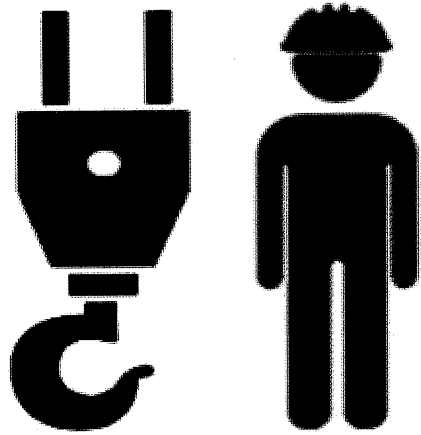


**James Headly- CEO**

**Crane Institute of America Certification**



**CRANEHAWAII.COM**



**RICHWINDO  
ISLA**

**QUALIFIED RIGGER  
SIGNAL PERSON QUALIFIED  
INTERNATIONAL ROOFING**

**VALID 05/01/2023**

**OSHA SUBPART CC USACE EM385-1-1  
ASME B30.5 / ANSI A10.42-2000**

**QUALIFIED BY EMPLOYER PER ABOVE**

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**RANDALL VENTULA - CraneHawaii.com**

A handwritten signature in black ink, appearing to read "Randall Ventula", is written over a light gray rectangular background.

**WHEN AUTHORIZED BY EMPLOYER**

**CRANEHAWAII.COM QUALIFIED RIGGER**

**C** Training - Certification - Services



**FRANCIS  
ROBINIOL**  
OSHA 1926.1428  
NO EXPIRATION

**SIGNAL PERSON QUALIFIED**

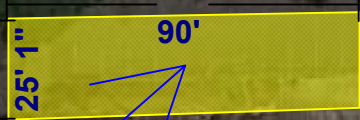
VALID 10/03/2019 *Based on:*  
OSHA 1926 SUBPART CC & 1926.251  
USACE EM385-1-1 ASME B30.9  
ANSI A10.42 Def, and ASME B30.5  
Evaluation Records on File  
For International Roofing Employment

RANDALL VENTULA

Evaluator 808-781-2152



**AREA #1 FOR MATERIALS DELIVERY AND OFFLOADING RUBBISH FOR SECTIONS A AND D**



**SECTION D**

**SECTION A**

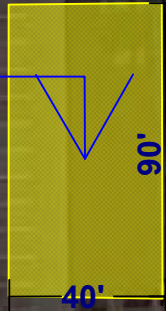
Biomedical Sciences Building

Biomedical Sciences

2641

P 1950 East-West Rd Parking

**AREA #2 FOR MATERIALS DELIVERY AND OFFLOADING RUBBISH FOR SECTIONS B, C, AND T**



**SECTION C**

**SECTION B**

1950

C-MORE Hale

East-West Rd

1955

4-H Youth Program

Agricultural Science



**OPEN LANE FOR ACTIVE TRAFFIC**

**AREA #1 FOR MATERIALS DELIVERY AND OFFLOADING RUBBISH FOR SECTIONS A AND D. IRBCI WILL INSTALL SAFETY SIGN AND BARRICADE DURING OPERATION.**





AREA #2 FOR MATERIALS DELIVERY AND OFFLOADING RUBBISH FOR SECTIONS B, C, AND T. RBCI WILL INSTALL SAFETY SIGN AND BARRICADE

