

10110TA

**BELOW-THE-HOOK LIFTING DEVICE**  
**Engineering Note Cover Page**

Lifting Device Numbers:

FNAL Site No. \_\_\_\_\_ Div. Specific No. \_\_\_\_\_ Asset No. \_\_\_\_\_

If applicable If applicable If applicable

- ASME B30.20 Group: (check one)
- Chapter 20-1 Structural and Mechanical Lifting Devices
  - Chapter 20-2 Vacuum Lifting Devices
  - Chapter 20-3 Close Proximity Operated Lifting Magnets
  - Chapter 20-4 Remotely Operated Lifting Magnets
  - Chapter 20-5 Scrap and Material Handling Grapples

Device Name or Description DESI - VERTICAL FIXTURE FLIPPING RING

- Device was (check all applicable)
- Purchased from a Commercial Lifting Device Manufacturer. Mfg Name \_\_\_\_\_
  - Designed and Built at Fermilab  
Assy drawing number F10044013
  - Designed by Fermilab and Built by a Vendor. Assy drawing number \_\_\_\_\_
  - Provided by a User or other Laboratory
  - Other: Describe \_\_\_\_\_

Engineering Note Prepared by DREW STEFANIK Date 11<sup>TH</sup> NOV 2015

Engineering Note Reviewed by \_\_\_\_\_ Date \_\_\_\_\_

Lifting Device Data:

Capacity 10,000 LBS = 4,535 KG

Fixture Weight 85.4 KG = 190 LBS

ASME BTH -1 Design Category:  Category A  Category B  
(See ASME BTH-1 Section 2-2)

ASME BTH -1 Service Class:  0  1  2  3  4  
(See ASME BTH-1 Section 2-3)

Duty Cycle \_\_\_\_\_ 8, 16 or 24 hour rating (applicable to groups III, and IV)

Inspections Frequency BEFORE EACH USE

Service (refer to B30.20 for definitions)  normal  heavy  severe

Rated Load Test by FNAL (if applicable) Date 3/18/16 Load 680 lbs (Front Case Test)  
2,000 lbs (APT CASE TEST)  
 Check if Load Test was by Vendor and attach the certificate

Satisfactory Load Test Witnessed by: GIUSEPPE FALCO

Signature (of Load Test Witness) [Signature]

Notes or Special Information: