



DATA SHEET
9999-EQ-DS-007

**South Ready Room
Bridge Crane**

Project
BROOKHAVEN NATIONAL LABORATORY
BUILDING 801 HOT CELL AND
LAB RENOVATION

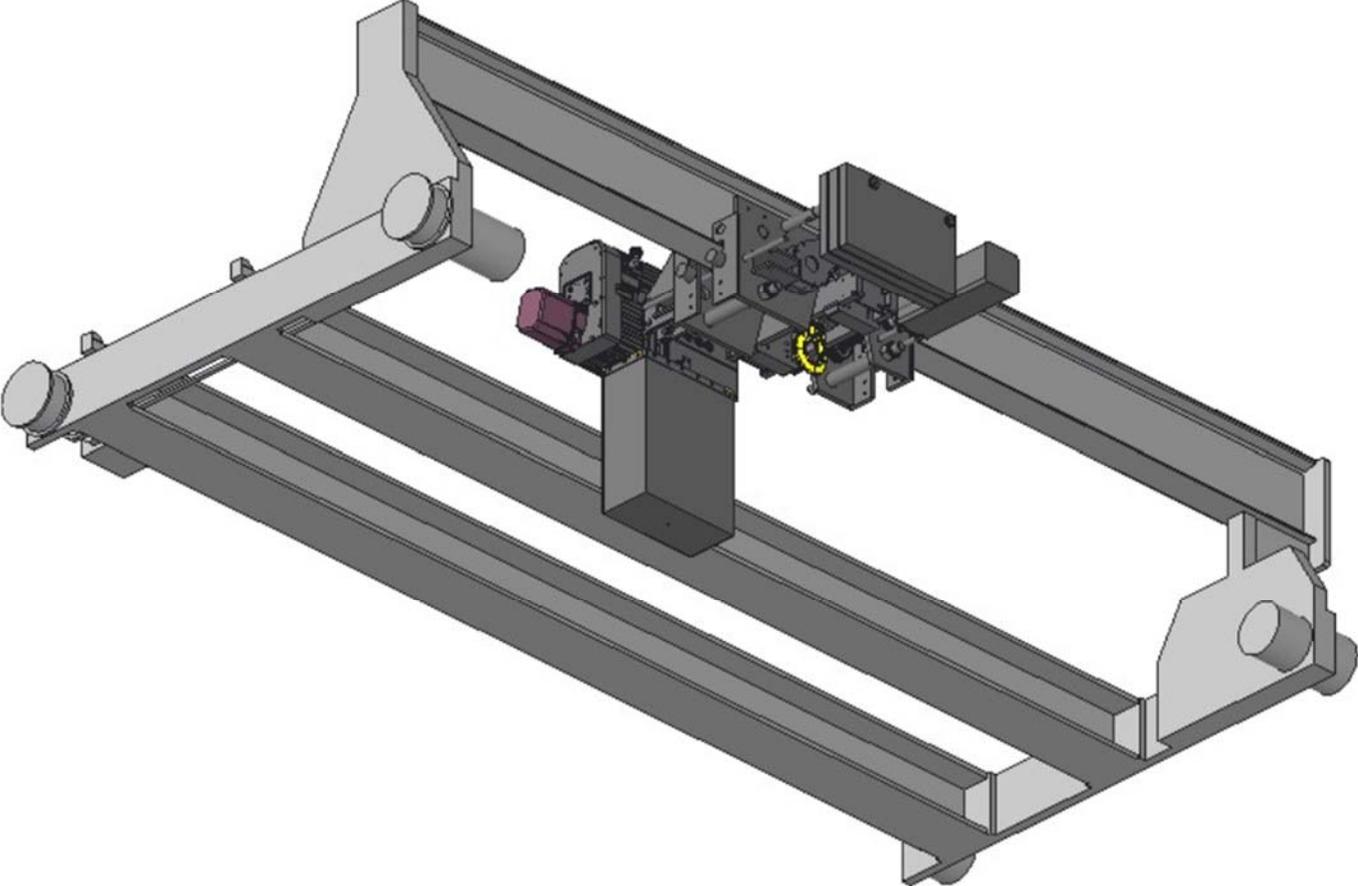
Rev	Date	Prep. By	Checked by	Approved
0	6/9/2020	KO	GG	JMB

Serial No	Subject	Requirement
1	Model Number	Custom configuration as described below. (See Attachment 1)
	Hoist	Underhung powered trolley hoist that traverses the bridge beam. (See Attachment 2)
	Hoist Capacity	3,200 kg (3.5 Ton)
	Service Classification	FEM9.511, 1Bm
	Limit Switches	Beam travel limits, hook upper and lower travel limits.
	Powered Bridge	Top running bridge designed with 2 beams to support the independently controlled manipulator carriage (Reference 9999-EQ-DS-001) and one beam for the underhung trolley hoist. (See Attachment 2)
	Bridge Travel	96 inches
	Bridge Speed	26 ft/min maximum
	Bridge Girder	The bridge shall be supported by a Buyer supplied beam girder with a 1.5 inch high by 2.5 inch wide running rail welded atop the beam. The running rails are spaced 131 inches on center (See Attachment 2)
	Electric Cabinet	Electrical cabinet shall be provided to contain all power distribution components.
	Electrical Power	460 VAC, 60 Hz
	Control System	Pendant controls: 1 pendant for the bridge control and 1 for the trolley hoist control
	Cabling Included	<ul style="list-style-type: none"> Power wiring Cable conduits and cable conveyor chains (Iigus Track) Harting type connectors for easy separation of components where appropriate.
	Material of Construction	All parts are protected by paint or galvanization or manufactured from stainless steel.

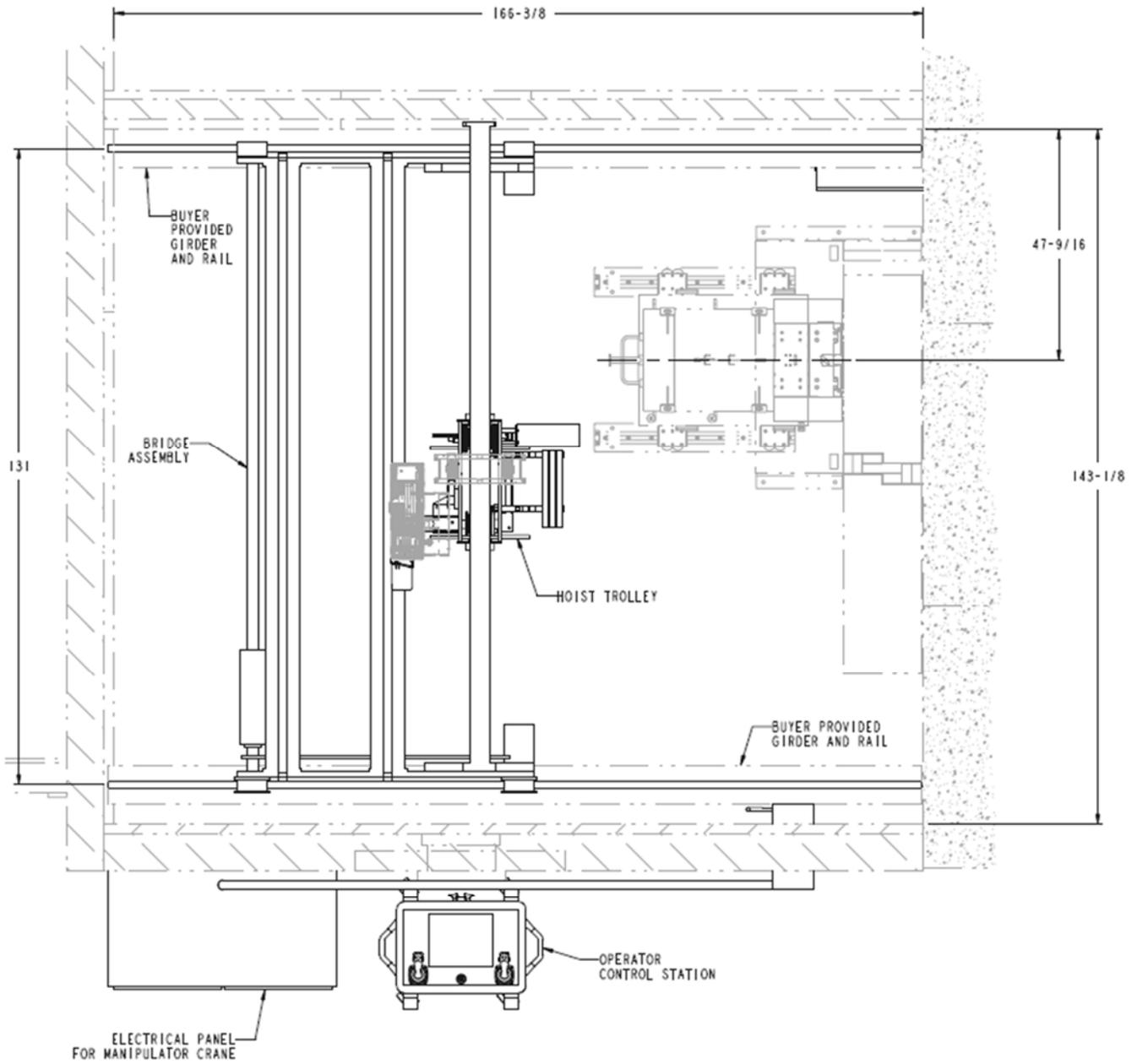
NOTES:

1. Suggested Manufacturer:
NuVision Engineering (WÄLISCHMILLER ENGINEERING)
2403 Sidney Street, Suite 700,
Pittsburgh, PA 15203
(651) 356-5605
2. Seller shall design, build, inspect, and test in accordance with ISO 9001 Quality Requirements.
3. Seller shall provide the following data:
 - Electrical minimum circuit ampacity (MCA)
 - Electrical maximum overcurrent protection (MOP)
 - Maximum roller load (lbs) applied to the bridge girder and rail
4. Seller shall provide the following documentation:
 - Interface drawing
 - Installation and setting to work information
 - Certificate of conformity
 - Circuit diagram and terminal plan
 - FAT protocol
 - Technical description
 - Installation manual
 - Operation and Maintenance Manual
 - List of spare parts

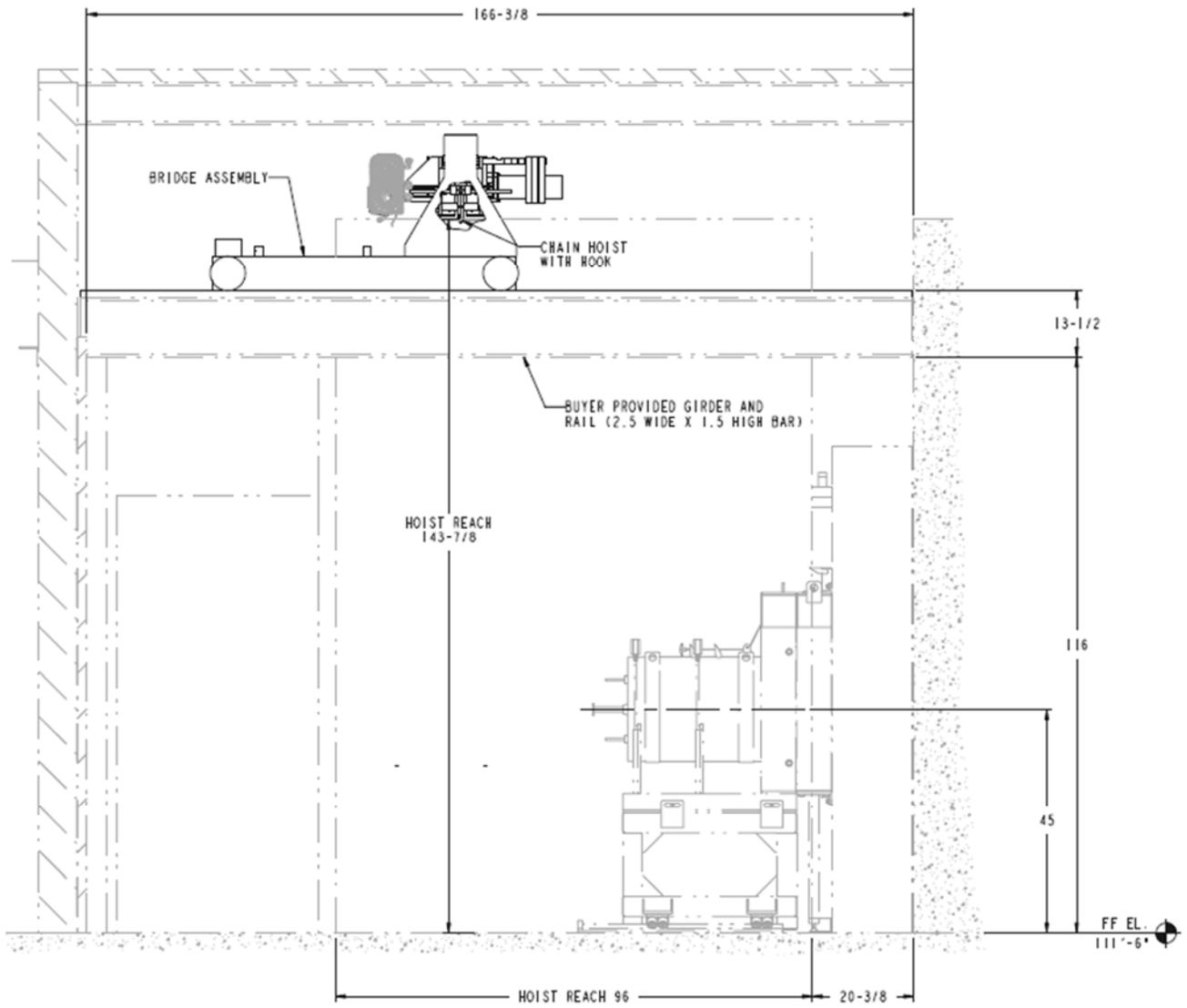
**Attachment 1
BRIDGE CRANE ASSEMBLY**



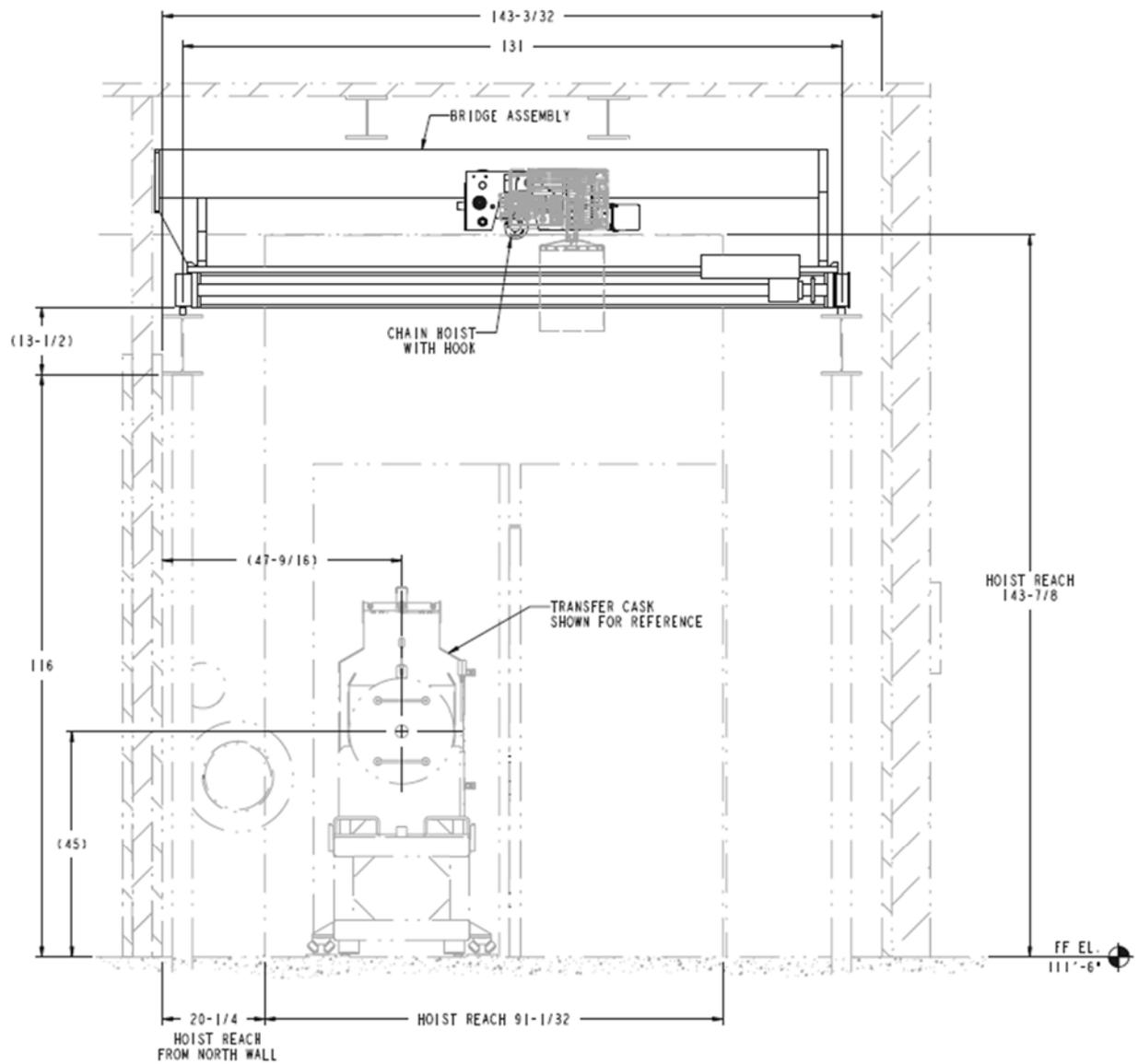
Attachment 2
BRIDGE ASSEMBLY



BRIDGE ASSEMBLY PLAN



BRIDGE ASSEMBLY ELEVATION
 LOOKING NORTH



BRIDGE ASSEMBLY ELEVATION
 LOOKING EAST