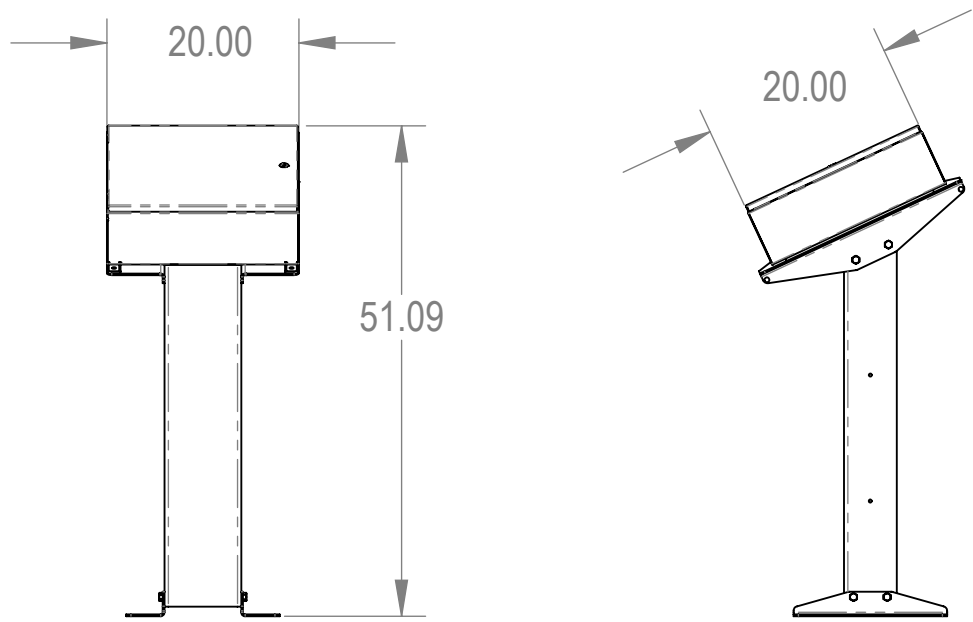


LET.	REVISION	NAME	DATE
A	UPDATED METAL DETECTOR, LOAD/UNLOAD DIRECTIONS	TJB	01/18/11
B	X	X	XX/XX/XX
C	X	X	XX/XX/XX
D	X	X	XX/XX/XX
E	X	X	XX/XX/XX
F	X	X	XX/XX/XX



HMI ENCLOSURE PEDESTAL
TO BE LOCATED BY CUSTOMER;
SIZE SUBJECT TO CHANGE
PER ELECTRICAL ENGINEERING

GEM STATE PROCESSING LLC (HEYBURN, IDAHO)
NBE CSO#: E401040043
CUSTOMER PO#: 29

- APPLICATION INFO:
- MATERIAL: POTATO FLAKE (29-31 PCF)
 - RATE: 14,000 LBS/HR (7-16 BAGS PER HOUR)
 - NOTE: RATE IS DEPENDANT ON OPERATOR PROFICIENCY
 - BAG: 40 X 40 X 35-60 TALL, 10" LOOPS
 - PLEASE PROVIDE SPOUT INFO TO CONFIRM CORRECT SIZING OF BAG CONNECTION SPOUT (SEND SAMPLE BAG AND TOTE LINER)
 - TOTE: 40 X 40 X 35" TALL (11-23 TOTES PER HOUR)

- CONSTRUCTION:
- 304 STAINLESS PRODUCT CONTACT (2B FINISH), WELDED CONTINUOUS
 - NON-CONTACT IS CARBON STEEL PAINTED STEEL-IT EPOXY
 - ALL WELDS GROUND TO REMOVE IRREGULARITIES

- CONTROLS:
- NEMA TYPE 12 ENCLOSURES
 - UL CERTIFIED PANEL
 - MANUAL/AUTOMATIC MODES
 - ELECTRICAL SCHEMATIC TO PROVIDE ADDITIONAL INFORMATION

- UTILITIES:
- 480V/3PH/60HZ POWER (APPROX 15A SERVICE)
 - COMPRESSED AIR (15CFM @ 80 PSI)
 - DUST COLLECTION (300 CFM @ 6" W.C.)

APPROVAL PRINT

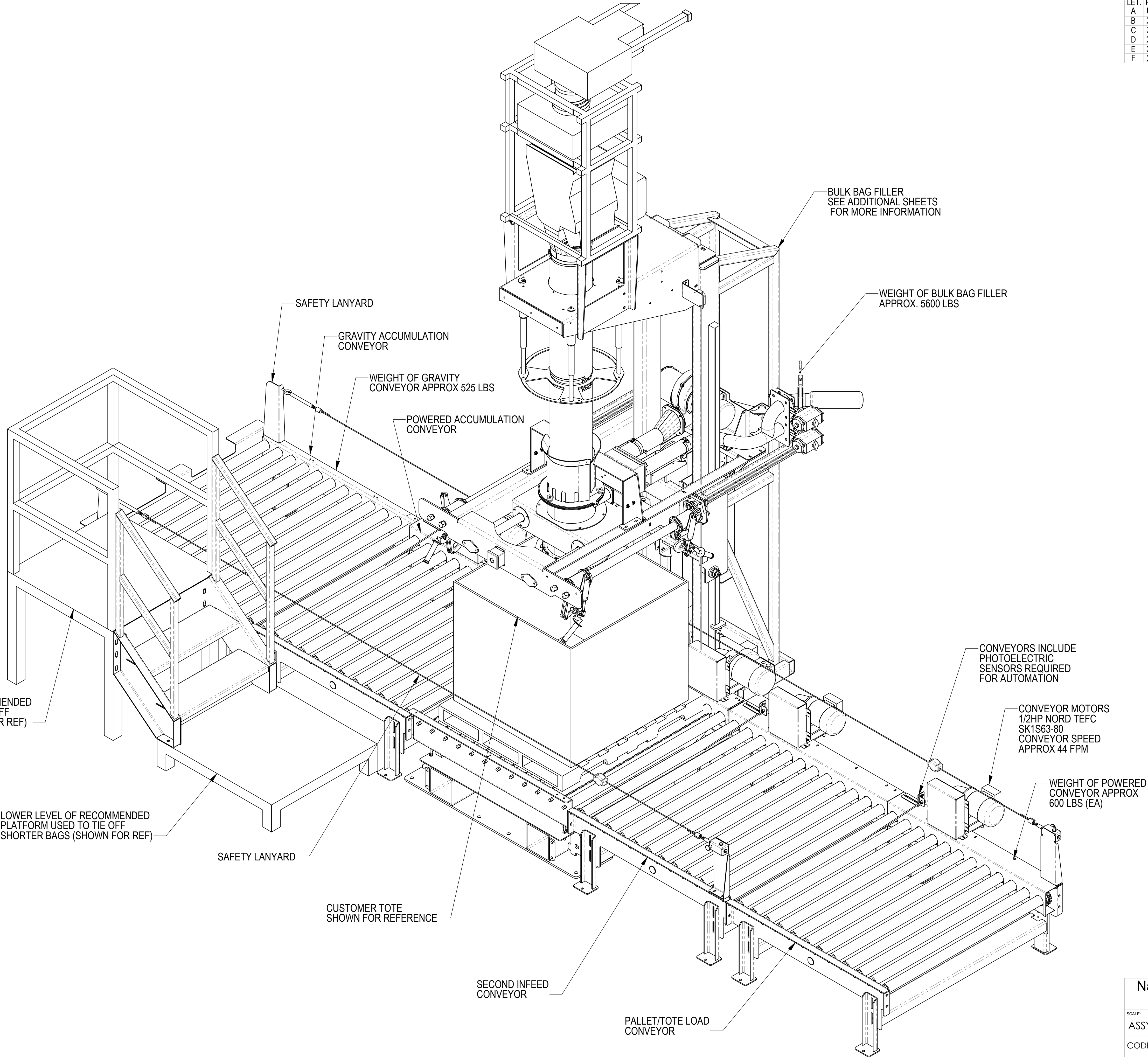
- ☐ APPROVED-PROCEED WITH PRODUCTION AS DRAWN
- ☐ APPROVED WITH REVISIONS NOTED- PROCEED WITH PRODUCTION
- ☐ NOT APPROVED-REVISE AS NOTED AND RESUBMIT

AUTHORIZED BY _____ DATE _____

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SCALE: 1:20	DRAWN BY: TJB	DATE: 12/30/10	MODEL CREATOR: NAME DATE
ASSY BULK BAG FILLER		A Rev.	
CODE	TOLERANCE UNLESS OTHERWISE SPECIFIED + .03 ON BEND AND SHEAR LINES + .03 ON HOLE LOCATIONS	1 OF 4 Sheet1	DRAWING NUMBER A81011

LET.	REVISION	NAME	DATE
A	UPDATED METAL DETECTOR, LOAD/UNLOAD DIRECTIONS	TJB	01/18/11
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GEM STATE PROCESSING LLC (HEYBURN, IDAHO)
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 - UL CERTIFIED PANEL
 - MANUAL/AUTOMATIC MODES
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 - DUST COLLECTION (300 CFM @ 6" W.C.)

APPROVAL PRINT

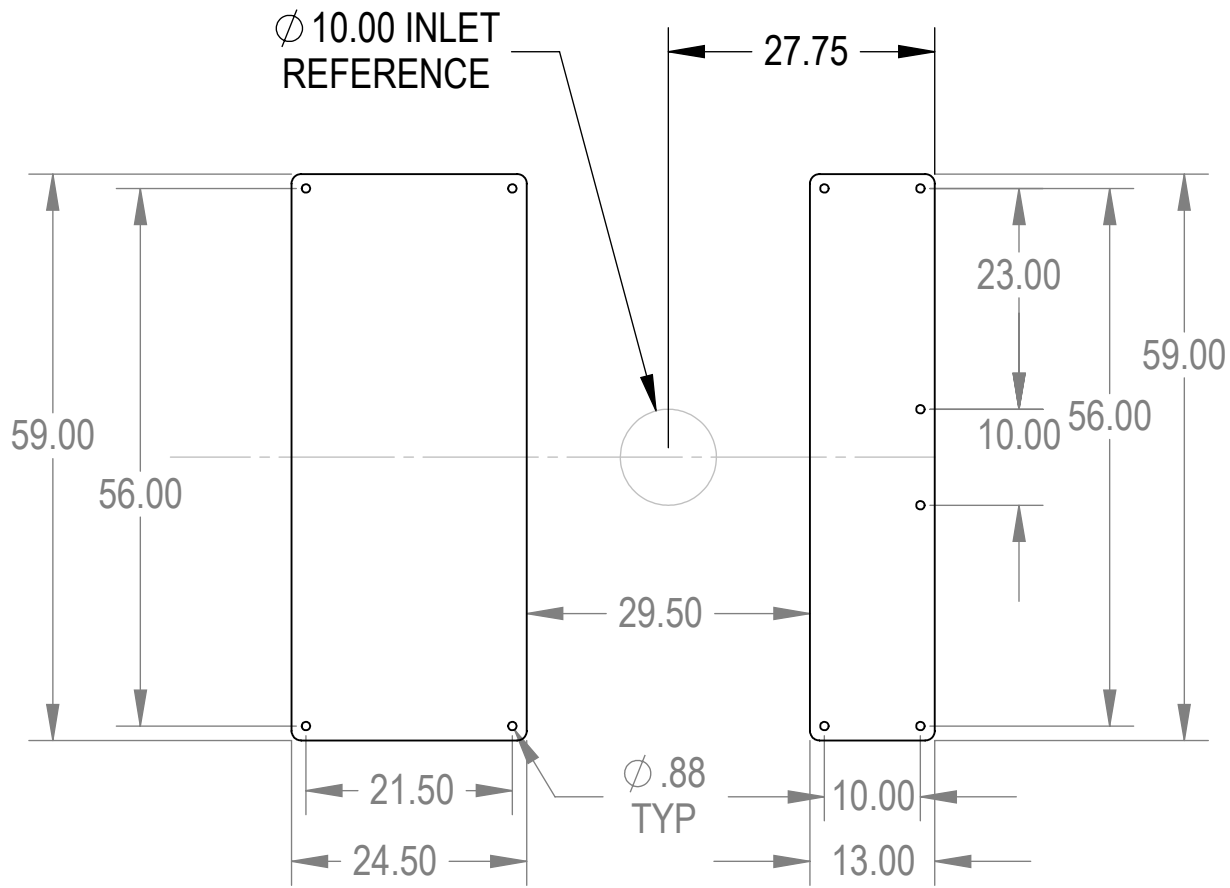
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☐ APPROVED WITH REVISIONS NOTED- PROCEED WITH PRODUCTION
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AUTHORIZED BY _____ DATE _____

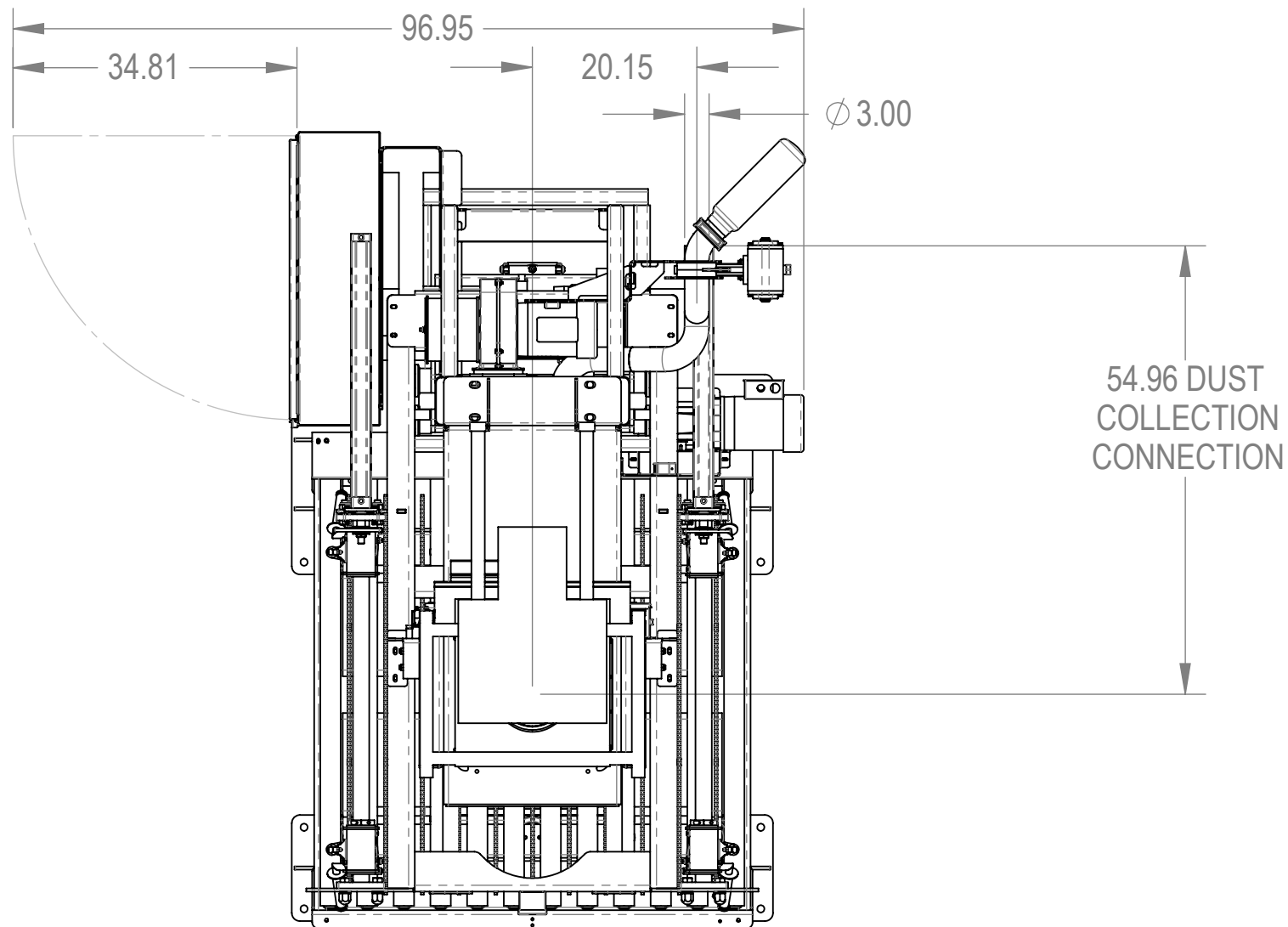
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12838 STAINLESS DR., HOLLAND, MICHIGAN 49424							
PHONE: (616) 399-2220 FAX: (616) 399-7369							
SCALE: 1:12	DRAWN BY: TJB	DATE: 12/30/10	MODEL CREATOR: NAME DATE				
ASSY BULK BAG FILLER							
CODE	TOLERANCE UNLESS OTHERWISE SPECIFIED + .03 ON BEND AND SHEAR LINES + .03 ON HOLE LOCATIONS		2 OF 4 Sheet2		DRAWING NUMBER A81011		
				A Rev.			

LET.	REVISION	NAME	DATE
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F	X	X	XX/XX/XX

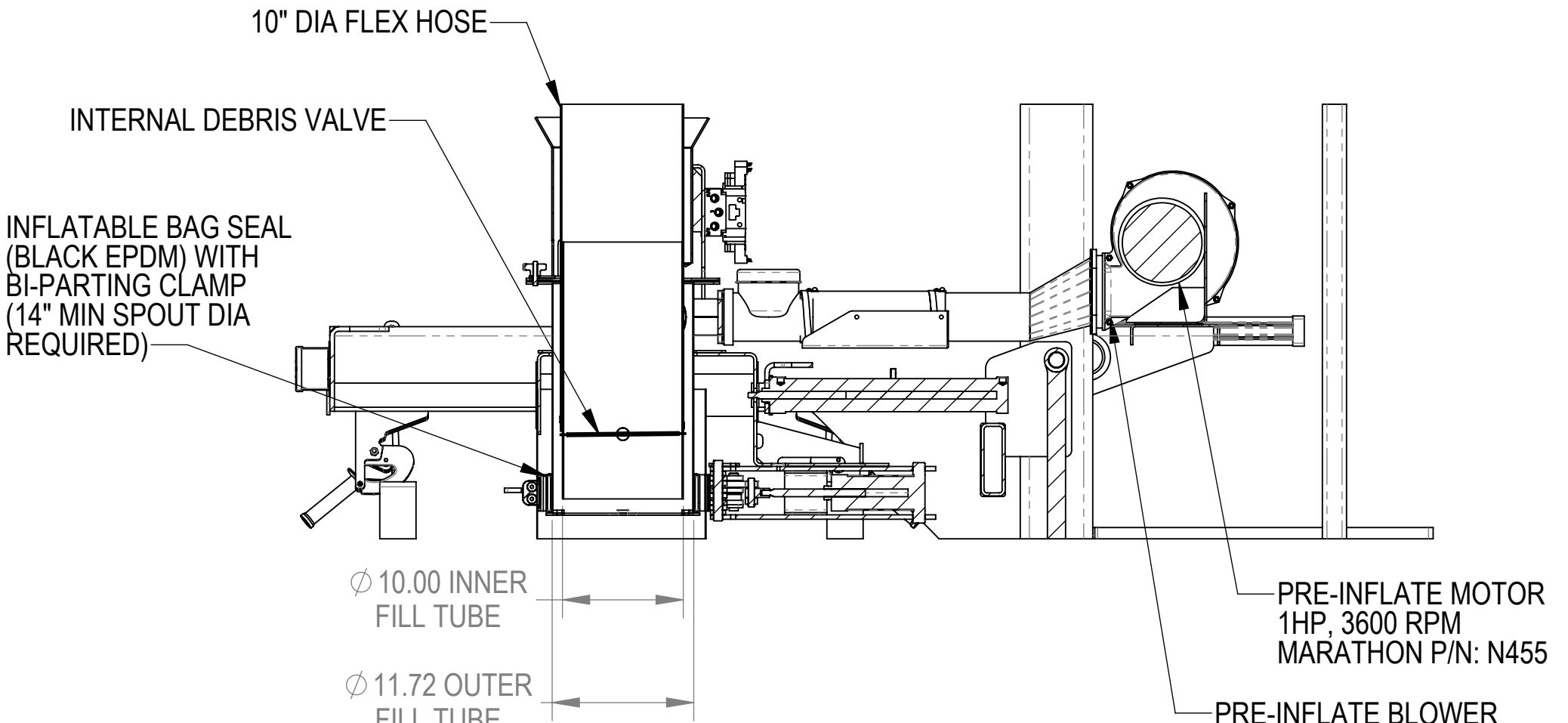


SECTION A-A

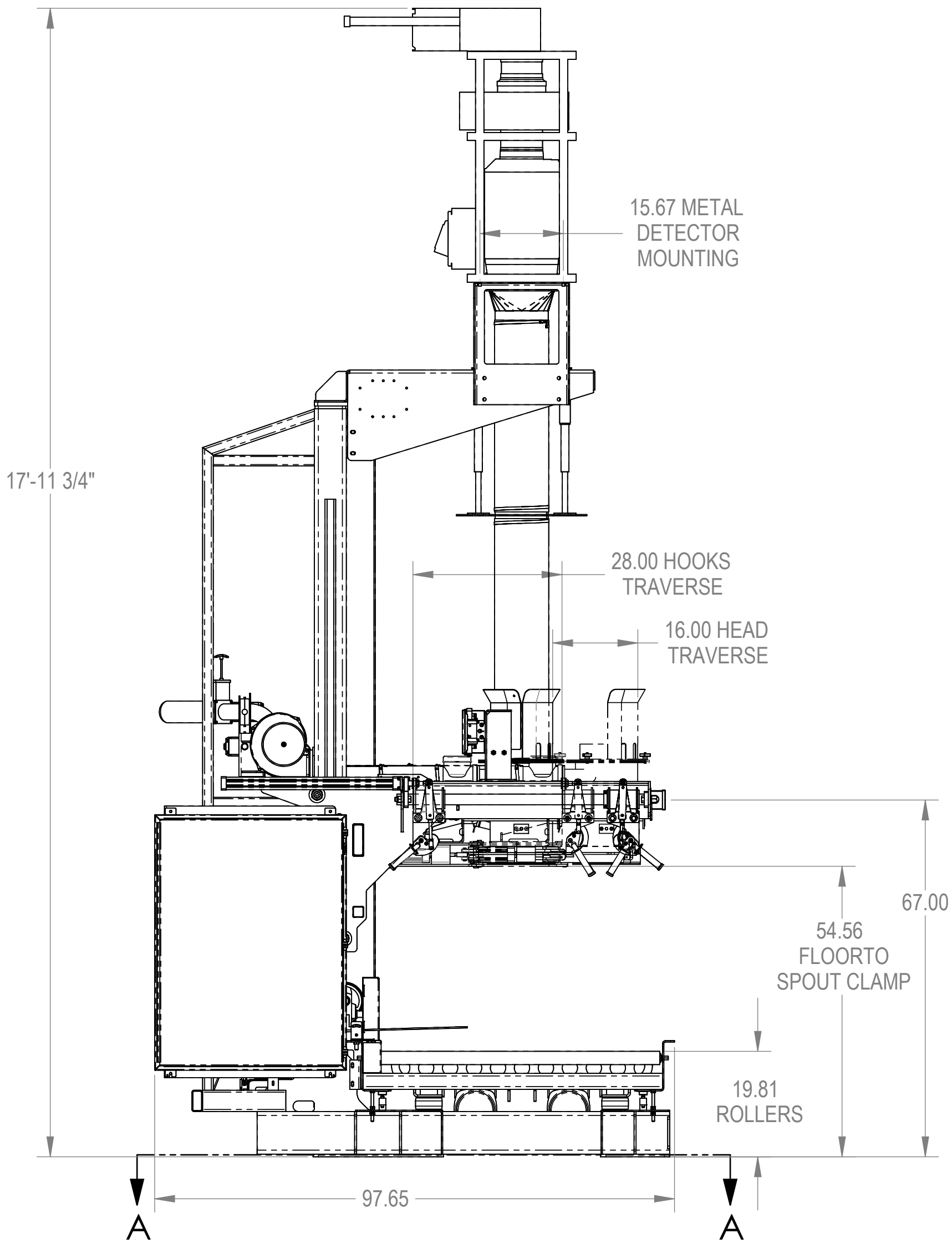


SECTION D-D
SCALE 1 : 12

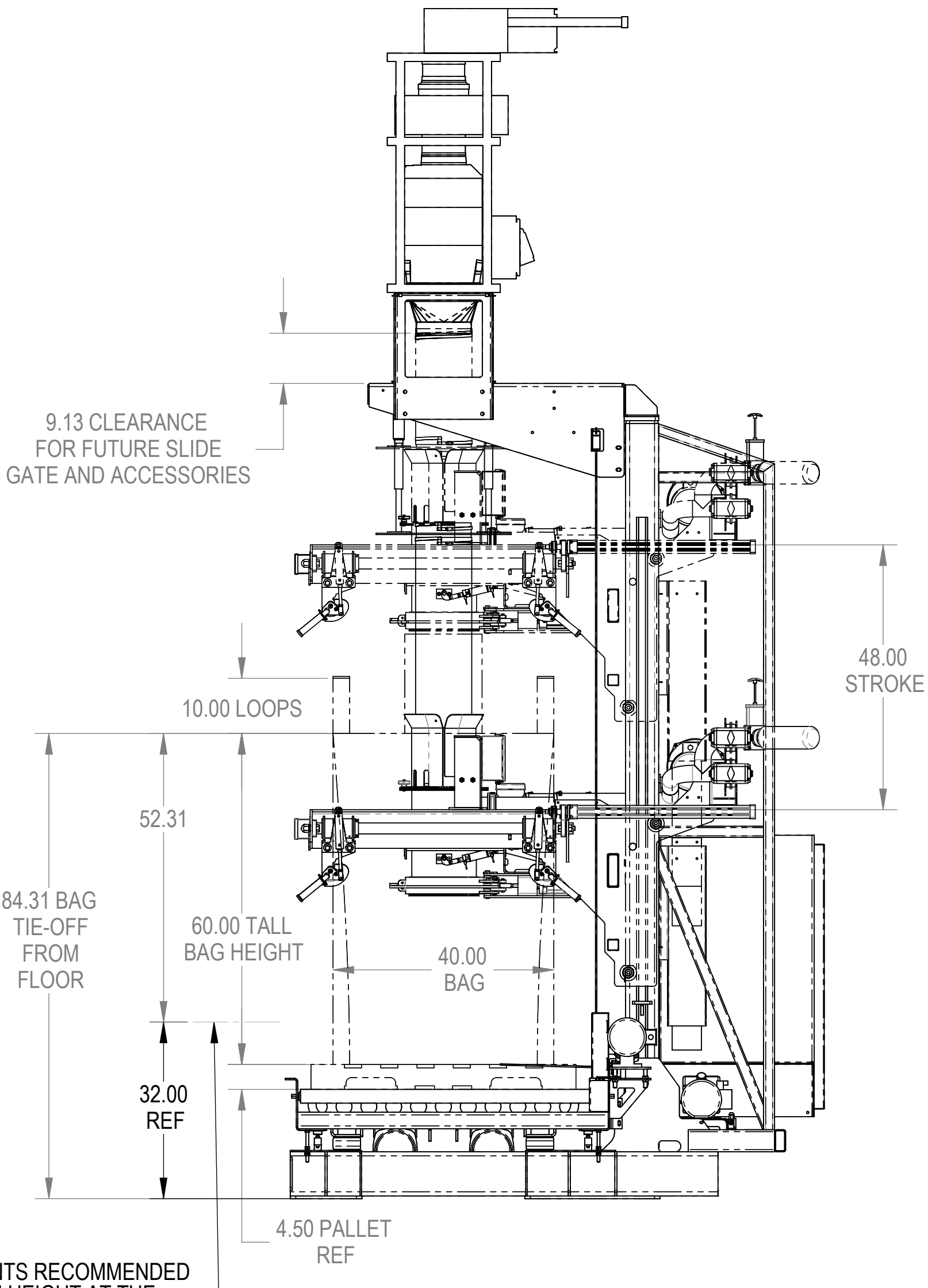
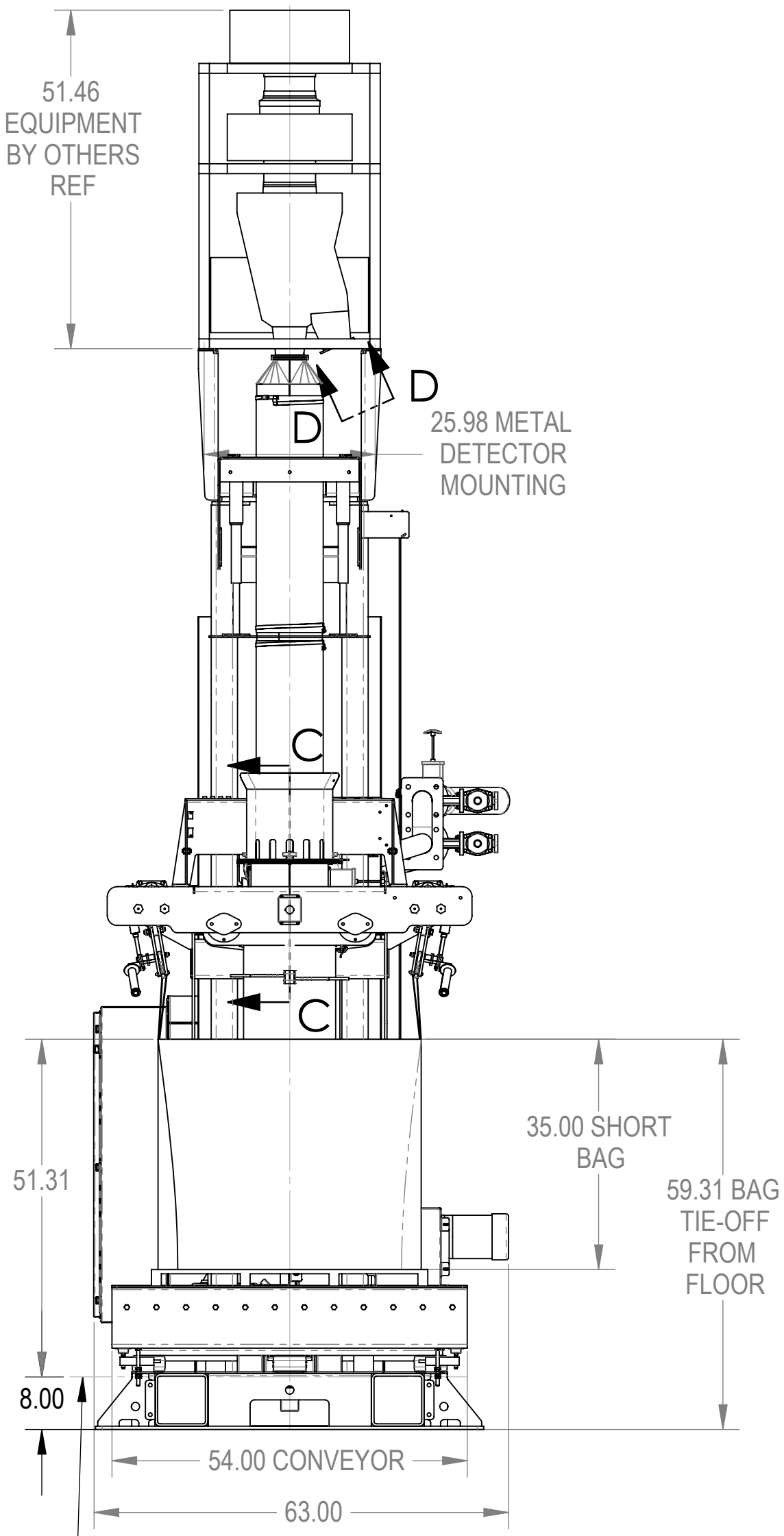
DISCHARGE OF REJECTED MATERIAL (BY OTHERS); REFER TO METAL DETECTOR DRAWING FOR DETAILS AND FLANGE PATTERN



SECTION C-C
SCALE 1 : 12



REPRESENTS RECOMMENDED PLATFORM HEIGHT AT FIRST ACCUMULATION CONVEYOR (WOULD BE USED TO TIE OFF SHORT BAGS)



REPRESENTS RECOMMENDED PLATFORM HEIGHT AT THE SECOND ACCUMULATION CONVEYOR (WOULD BE USED ONLY TO TIE-OFF TALL BAGS)

GEM STATE PROCESSING LLC (HEYBURN, IDAHO)
NBE CSO#: E401040043
CUSTOMER PO#: 29

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National Bulk Equipment

12838 STAINLESS DR., HOLLAND, MICHIGAN 49424
PHONE: (616) 399-2220 FAX: (616) 399-7369

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SCALE: 1:20 DRAWN BY: TJB DATE: 12/30/10 MODEL CREATOR: NAME DATE

ASSY BULK BAG FILLER

CODE TOLERANCE UNLESS OTHERWISE SPECIFIED
+ .03 ON BEND AND SHEAR LINES
-.03 ON HOLE LOCATIONS

3 OF 4
Sheet3

DRAWING NUMBER
A81011

A
Rev.

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SAFELINE METAL
DETECTOR (8")
BY OTHERS

METAL DETECTOR
SUPPORTED OFF OF
TOP OF FILLER FRAME

"OPEN" STRUCTURE DESIGN
TO ALLOW FOR FUTURE ADDITION
OF 10" SLIDE GATE AND CLEARANCE
FOR REJECT MATERIAL CHUTE
FROM METAL DETECTOR

TELESCOPING HOSE GUIDE
KEEPS FLEX HOSE VERTICAL
IN LONG STROKE APPLICATIONS

TRAVERSING FILL HEAD
(SHOWN FORWARD)

TRAVERSING HOOKS WITH AUTO
RELEASE (SHOWN IN FORWARD
POSITION)

DENSIFICATION PLATE ASSEMBLY
(COMES UP BETWEEN ROLLERS);
VIBRATORS (HIDDEN UNDER
CONVEYOR) ARE MARTIN
P/N: CD18-2100 (QTY 2)

POWERED CONVEYOR BASE
WITH BASE WEIGH SCALE

PRE-INFLATE BLOWER
WITH MOTOR (MARATHON
N455, 1HP 3600 RPM)

3" BRAY BUTTERFLY VALVES
FOR DUST COLLECTION AND
PRE-INFLATE CONTROL (OPEN
AND CLOSE AS PART OF
AUTOMATIC SEQUENCE)

HYDRAULIC POWER UNIT
(MOUNTED ON BACK OF
FILLER); 2HP, 3.8 GPM
MARATHON N418, 1800 RPM

CONVEYOR MOTOR
MARATHON N431
1/2HP 1800 RPM

GEM STATE PROCESSING LLC (HEYBURN, IDAHO)
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ASSY BULK BAG FILLER							A Rev.
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