



CUSTOM LANCE

APPLICATION INFORMATION REQUEST FORM

All completed forms should be emailed back to: sysfab@bete.com
 Please fill out the following form as completely as possible to assist in the nozzle selection process.

Contact Information:

Date:	Name:
Telephone:	Company:
Fax:	Address:
Email:	Job/Reference #:
Industry:	Process Lance is Used in:

Codes:

Design Code/Registration: <input type="checkbox"/> ASME B31.3 <input type="checkbox"/> PED <input type="checkbox"/> CRN <input type="checkbox"/> None <input type="checkbox"/> Other _____			
Design Vessel Pressure:	<input type="checkbox"/> psi <input type="checkbox"/> bar	Design Vessel Temperature:	<input type="checkbox"/> °F <input type="checkbox"/> °C
Design Liquid Pressure:	<input type="checkbox"/> psi <input type="checkbox"/> bar	Design Liquid Temperature:	<input type="checkbox"/> °F <input type="checkbox"/> °C
Corrosion Allowance:	<input type="checkbox"/> in <input type="checkbox"/> mm	Corrosion:	<input type="checkbox"/> MR0175 <input type="checkbox"/> MR0103 <input type="checkbox"/> A262 Practice

Additional Testing/QC Requirements:

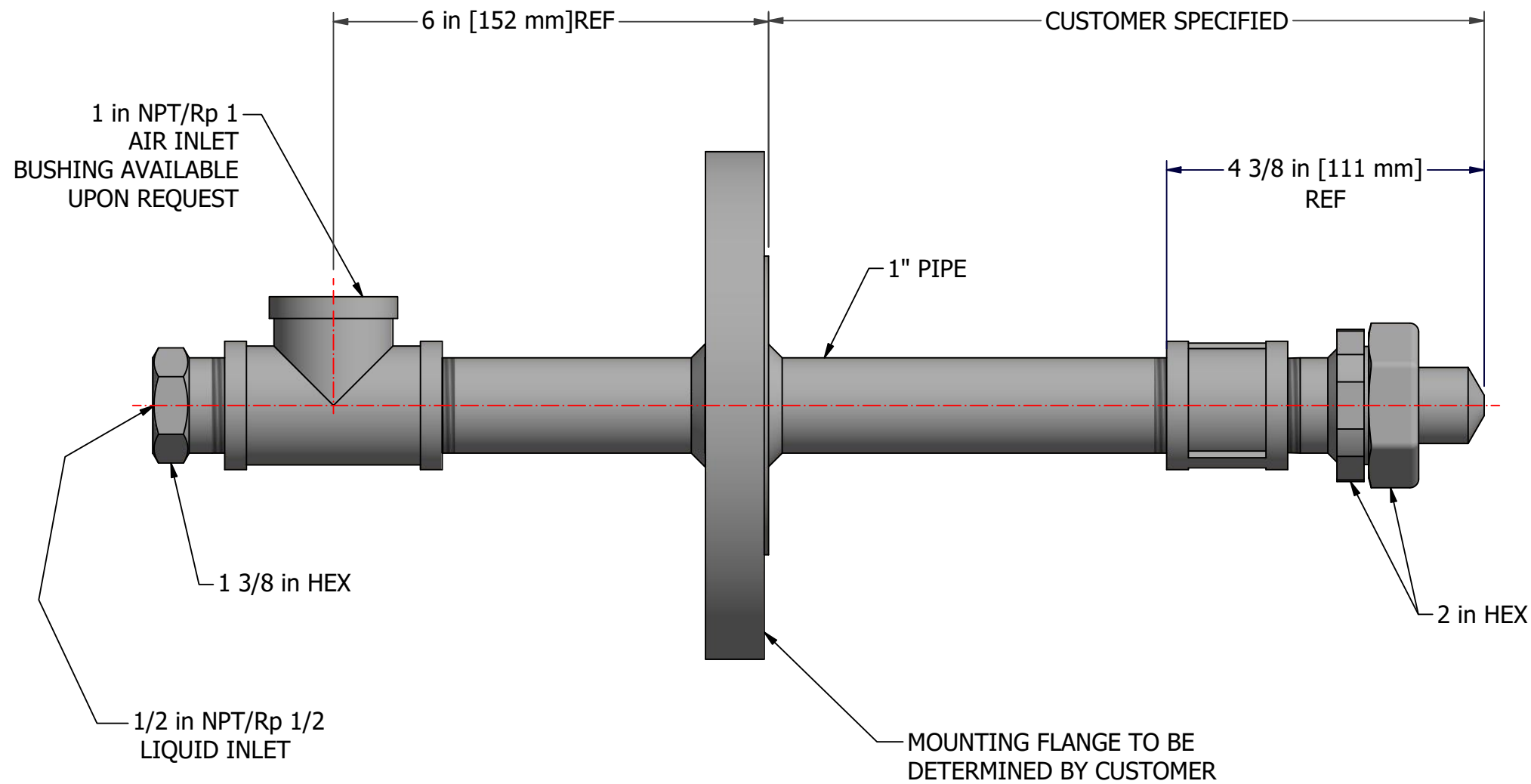
NDE Type		Extent of NDE and on what components
Dye Penetrant	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Radiographic Test	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Ultrasonic Test	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Hardness	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Hydrotest	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Other (specify)		

Material Test Reports	<input type="checkbox"/> Yes <input type="checkbox"/> No	Weld Procedure Approval	<input type="checkbox"/> Yes <input type="checkbox"/> No
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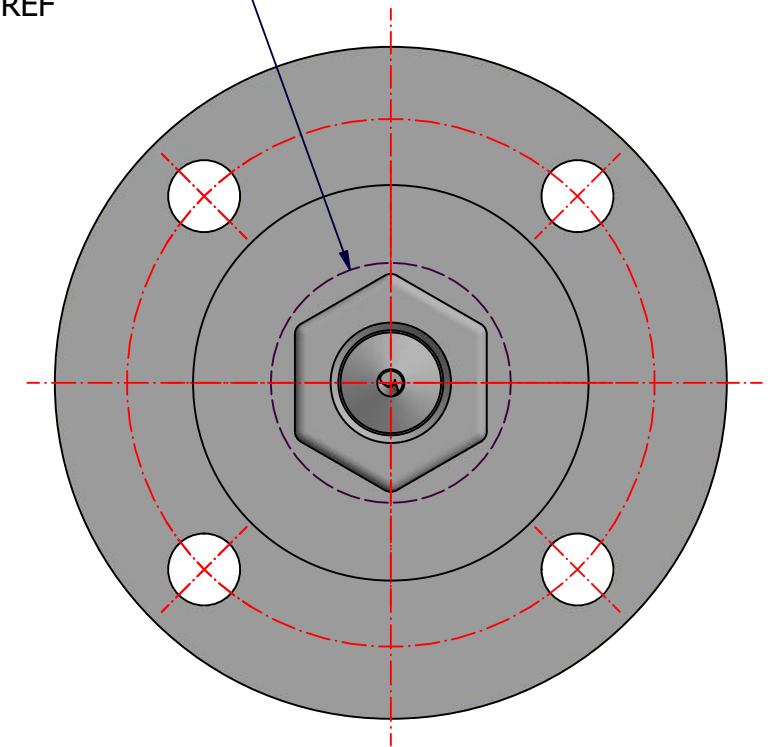
Spray Nozzle Selection:

What Liquid is being Sprayed:		Specific Gravity:	
Liquid Flow Rate:	<input type="checkbox"/> GPM <input type="checkbox"/> L/min	Liquid Pressure Drop:	<input type="checkbox"/> psi <input type="checkbox"/> bar
<input type="checkbox"/> Air/ <input type="checkbox"/> Steam Flow Rate:	<input type="checkbox"/> SCFM <input type="checkbox"/> m3/hr	Air/Steam Pressure Drop:	<input type="checkbox"/> psi <input type="checkbox"/> bar
Spray Pattern: <input type="checkbox"/> Full Cone <input type="checkbox"/> Hollow Cone <input type="checkbox"/> Fan		Nozzle Spray Angle:	
Nozzle Material:		Nozzle Connection Size:	
Specify any erosive or corrosive conditions present:		Nozzle Connection Style:	
Nozzle Model (if known):		Is a tack weld required for threaded nozzles?	

See next page for lance layout design



Ø2 1/2 in [64 mm]
CLEARANCE DIAMETER
REF




NOTES

- 1. STANDARD MATERIALS:
TIP & COVER - COBALT ALLOY 6
O-RING (LOCATED IN TEE) - VITON
REMAINING COMPONENTS - 316 STAINLESS STEEL

* ALTERNATE MATERIALS ARE AVAILABLE UPON REQUEST

C	4/5/2021	JF		34829
B	04/10/2012	KG	JF	26394
REV	DATE	BY	CHECKED	DCR

3RD ANGLE PROJECTION  UNLESS OTHERWISE NOTED, REMOVE ALL BURRS AND SHARP EDGES

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TOLERANCES: (EXCEPT AS NOTED)

MACHINED DIMENSIONS: ANGLES.....±1/2°
 FRACTIONAL.....±1/32"
 TWO PLACE DECIMAL.....±.01"
 THREE PLACE DECIMAL.....±.005"
 CAST DIMENSIONS: UP TO 1".....±.010"
 FOR EACH INCH AFTER ADD ±.003" PER IN.
 METRIC: WHOLE NUMBER.....±1mm
 ONE PLACE DECIMAL.....±.4mm
 TWO PLACE DECIMAL.....±.14mm

BETE FOG NOZZLE, INC.			
50 GREENFIELD STREET GREENFIELD, MASSACHUSETTS 01301			
1" SA XXX-B-10			
GENERAL ARRANGEMENT DRAWING			
SCALE: 1:2	DRAWN: SL DATE: 3/15/2012	CHECKED: JF DATE: 3/26/2012	REV C
DRAWING NUMBER: LN - 23808			