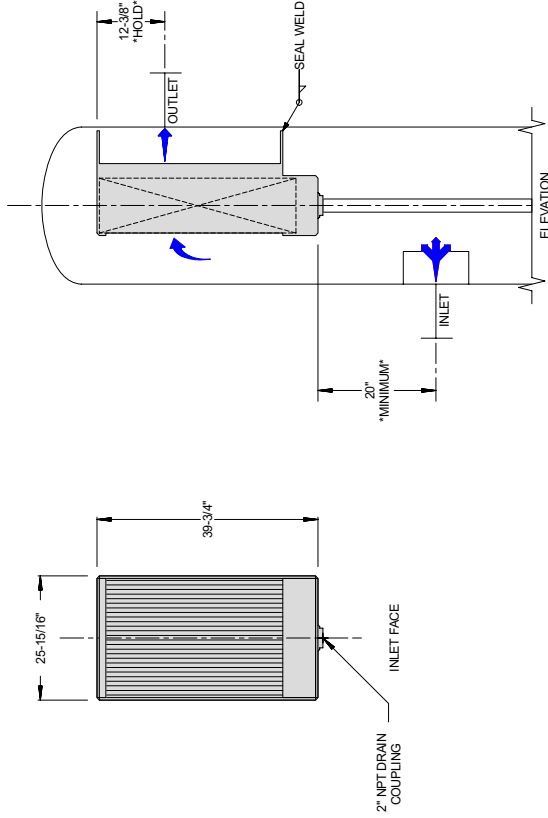


NOTE: VESSEL COMPONENTS AND DOWNCOMER, SHOWN BELOW TO ILLUSTRATE INSTALLATION REQUIREMENTS, ARE TO BE SUPPLIED BY VESSEL FABRICATOR

PLAN VIEW



E-W-S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 77 MMSCFD
 GAS SPECIFIC GRAVITY: 0.6226
 OPERATING PRESSURE: 590 PSIG
 OPERATING TEMPERATURE: 75 F
 VESSEL SHELL: 34\"/>

MATERIALS OF CONSTRUCTION
 VANES: T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL
 ESTIMATED WEIGHT: 590 LB.

- INSTALLATION NOTES**
1. E-W-S RECOMMENDED INLET & OUTLET NOZZLE ELEVATIONS SHOWN RELATIVE TO MIST EXTRACTOR.
 2. MIST EXTRACTOR HOUSING IS CONTOURED TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
 3. VANE ELEMENTS ARE INDIVIDUALLY REMOVABLE FOR MAINTENANCE & CLEANING.
 4. DOWNCOMER MUST HAVE LIQUID IMMERSION SEAL IN SUMP (5\"/>

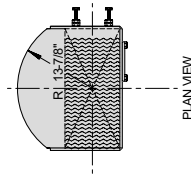


ED W. SMITH
 MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 TEL: 972-241-1171
 FAX: 972-241-1172

DESCRIPTION: MODEL BS-1R
 VANE MIST EXTRACTOR

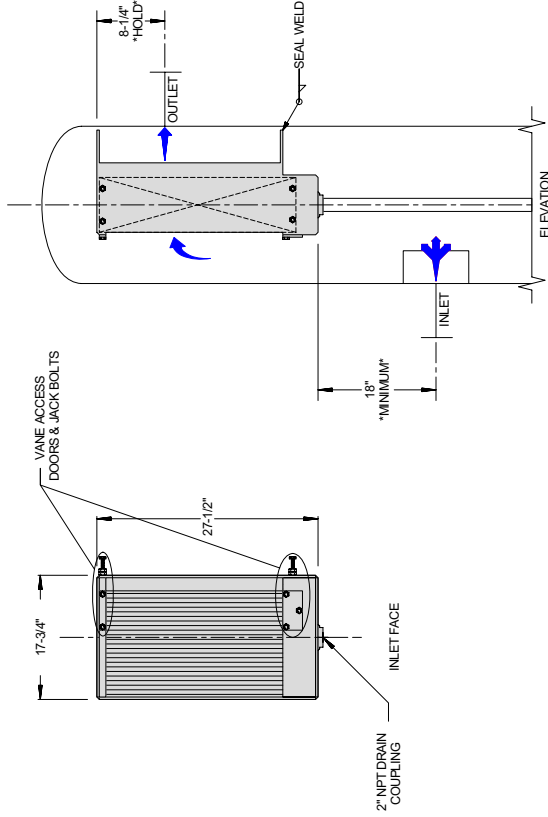
PO:	NO:
DATE:	DWG:

This drawing is the property of Ed W. Smith Machine Works, Inc. It is to be used only for the project and location specified. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Ed W. Smith Machine Works, Inc.



NOTE: VESSEL COMPONENTS AND DOWNCOMER, SHOWN BELOW TO ILLUSTRATE INSTALLATION REQUIREMENTS, ARE TO BE SUPPLIED BY VESSEL FABRICATOR

PLAN VIEW



E-W-S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 20 MMSCFD
 GAS SPECIFIC GRAVITY: 1.54
 OPERATING PRESSURE: 1,650 PSIG
 OPERATING TEMPERATURE: 120 F
 VESSEL SHELL: 28\"/>

MATERIALS OF CONSTRUCTION
 VANES: T-316L STAINLESS STEEL
 HOUSING: T-316L STAINLESS STEEL
 ESTIMATED WEIGHT: 243 LB.

- INSTALLATION NOTES**
1. E-W-S RECOMMENDED INLET & OUTLET NOZZLE ELEVATIONS SHOWN RELATIVE TO MIST EXTRACTOR.
 2. MIST EXTRACTOR HOUSING IS CONTOURED TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
 3. VANE ELEMENTS ARE INDIVIDUALLY REMOVABLE FOR MAINTENANCE & CLEANING.
 4. DOWNCOMER MUST HAVE LIQUID IMMERSION SEAL IN SUMP (5\"/>

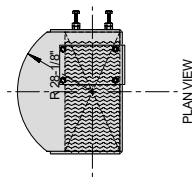


ED W. SMITH
 MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 TEL: 972-241-1171
 FAX: 972-241-1172

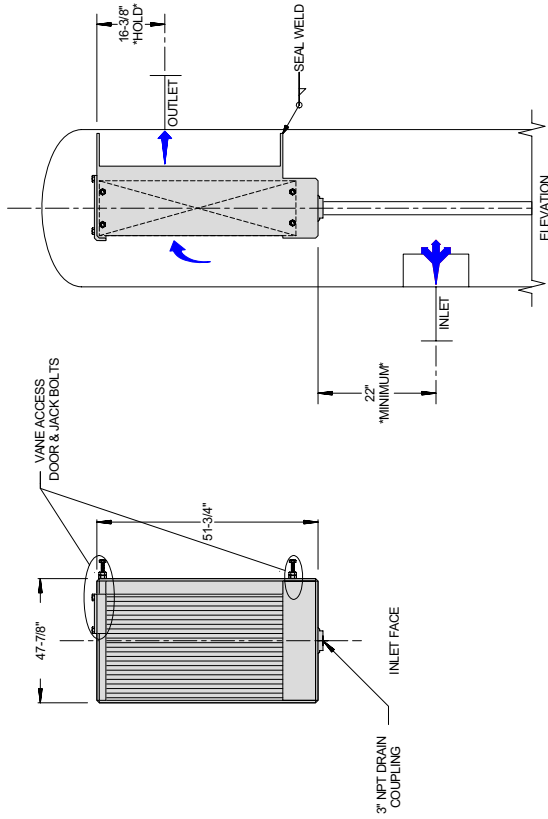
DESCRIPTION: MODEL BS-1R
 VANE MIST EXTRACTOR

PO:	NO:
DATE:	DWG:

This drawing is the property of Ed W. Smith Machine Works, Inc. It is to be used only for the project and location specified. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Ed W. Smith Machine Works, Inc.



NOTE: VESSEL COMPONENTS AND DOWNCOMER, SHOWN BELOW TO ILLUSTRATE INSTALLATION REQUIREMENTS, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.



E-W-S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 90 MMSCFD
 GAS SPECIFIC GRAVITY: 1.4723
 OPERATING PRESSURE: 250 PSIG
 OPERATING TEMPERATURE: 90 F
 VESSEL SHELL: 56.5" ID
 INLET & OUTLET NOZZLES: 16" NPS

MATERIALS OF CONSTRUCTION
 VANES: T-316L STAINLESS STEEL
 COALESCKER: CARBON STEEL
 HOUSING: CARBON STEEL
 ESTIMATED WEIGHT: 1,627 LB.

INSTALLATION NOTES

1. E-W-S RECOMMENDED INLET & OUTLET NOZZLE ELEVATIONS SHOWN RELATIVE TO MIST EXTRACTOR.
2. MIST EXTRACTOR HOUSING IS CONToured TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
3. VANE ELEMENTS ARE INDIVIDUALLY REMOVABLE FOR MAINTENANCE & CLEANING.
4. DOWNCOMER MUST BE 12" BELOW LOW LIQUID LEVEL.
5. DOWNCOMER MUST HAVE LIQUID IMERSION SEAL IN SLUMP (6" BELOW LOW LIQUID LEVEL).
6. USE LATERAL INLET DEFLECTOR & CONTOUR OUTLET NOZZLE INTERNAL PROJECTION TO SHELL.
7. NOT TO SCALE

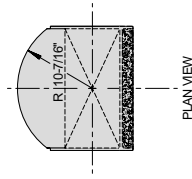


ED W. SMITH
 MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 (214) 343-1111

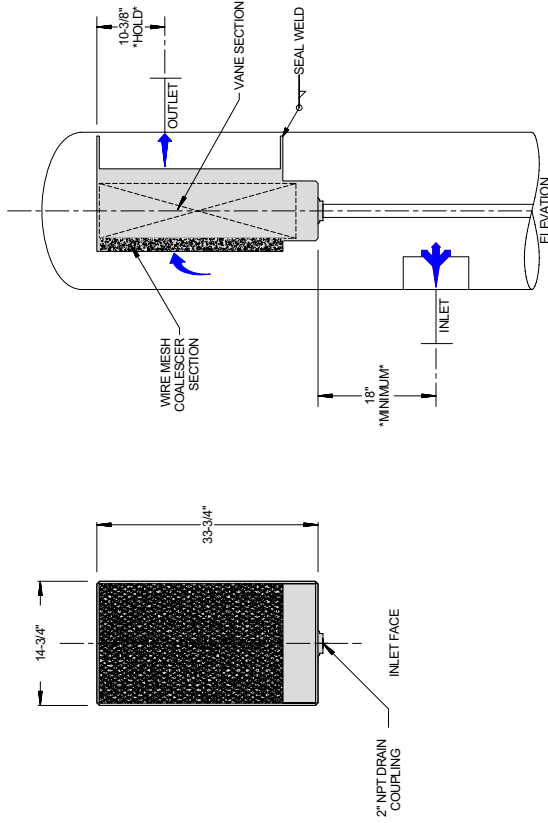
DESCRIPTION: MODEL BS-1R
 VANE MIST EXTRACTOR

DATE	BY
DATE	BY

This drawing is the property of ED W. SMITH MACHINE WORKS, INC. and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of ED W. SMITH MACHINE WORKS, INC.



NOTE: VESSEL COMPONENTS AND DOWNCOMER, SHOWN BELOW TO ILLUSTRATE INSTALLATION REQUIREMENTS, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.



E-W-S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 180 MMSCFD
 GAS SPECIFIC GRAVITY: 0.72
 OPERATING PRESSURE: 536 PSIG
 OPERATING TEMPERATURE: 13 F
 VESSEL SHELL: 21" ID (MINIMUM)
 INLET & OUTLET NOZZLES: 6" NPS (MINIMUM)

MATERIALS OF CONSTRUCTION
 VANES: T-316L STAINLESS STEEL
 COALESCKER: T-316 STAINLESS STEEL WIRE MESH & EXPANDED METAL GRID
 HOUSING: CARBON STEEL OR T-316L STAINLESS STEEL
 ESTIMATED WEIGHT: 361 LB.

INSTALLATION NOTES

1. UNIT INCLUDES HIGH EFFICIENCY STAINLESS STEEL WIRE MESH PAD COALESCKER OVER VANE INLET.
2. E-W-S RECOMMENDED INLET & OUTLET NOZZLE ELEVATIONS SHOWN RELATIVE TO MIST EXTRACTOR.
3. MIST EXTRACTOR HOUSING IS CONToured TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
4. DOWNCOMER MUST BE 12" BELOW LOW LIQUID LEVEL.
5. DOWNCOMER MUST HAVE LIQUID IMERSION SEAL IN SLUMP (6" BELOW LOW LIQUID LEVEL).
6. USE LATERAL INLET DEFLECTOR & CONTOUR OUTLET NOZZLE INTERNAL PROJECTION TO SHELL.
7. NOT TO SCALE

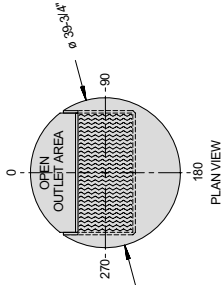


ED W. SMITH
 MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 (214) 343-1111

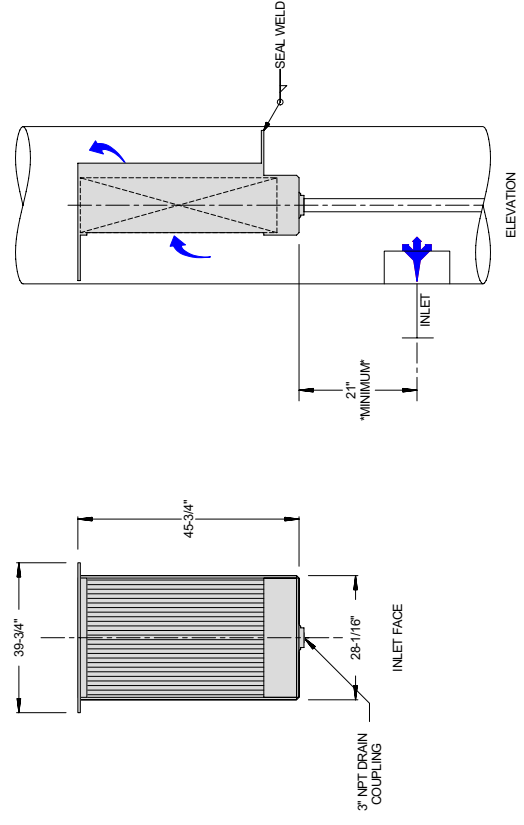
DESCRIPTION: MODEL BS-4C
 VANE MIST EXTRACTOR

DATE	BY
DATE	BY

This drawing is the property of ED W. SMITH MACHINE WORKS, INC. and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of ED W. SMITH MACHINE WORKS, INC.



NOTE: VESSEL COMPONENTS AND DOWNCOMER, SHOWN BELOW TO ILLUSTRATE INSTALLATION REQUIREMENTS, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.



E-W S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 94 MMSCFD
 GAS SPECIFIC GRAVITY: 0.635
 OPERATING PRESSURE: 450 PSIG
 OPERATING TEMPERATURE: 80 F
 VESSEL SHELL: 40" ID (MINIMUM)
 INLET & OUTLET NOZZLES: 10" NPS (MINIMUM)

MATERIALS OF CONSTRUCTION
 VANES: CARBON STEEL OR T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL
 ESTIMATED WEIGHT: 789 LB.

INSTALLATION NOTES

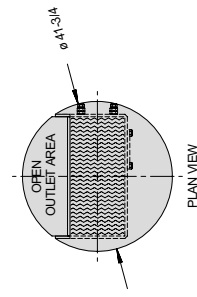
1. E-W S RECOMMENDED INLET & OUTLET NOZZLE ELEVATIONS SHOWN RELATIVE TO MIST EXTRACTOR.
2. MIST EXTRACTOR HOUSING IS CONTOURED TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
3. VANE ELEMENTS ARE INDIVIDUALLY REMOVABLE FOR MAINTENANCE & CLEANING.
4. DOWNCOMER MUST HAVE LIQUID IMERSION SEAL IN SLUMP (6" BELOW LOW LIQUID LEVEL).
5. USE LATERAL INLET DEFLECTOR & CONTOUR OUTLET NOZZLE INTERNAL PROJECTION TO SHELL.
6. NOT TO SCALE



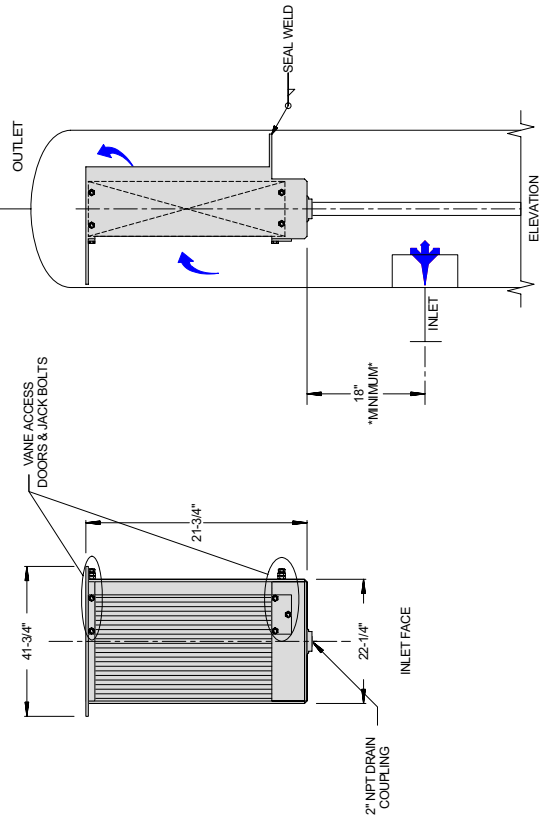
DESCRIPTION: MODEL BT-1
 VANE MIST EXTRACTOR

PO	NO
DATE	DWG

This drawing is the property of ED W. SMITH MACHINE WORKS, INC. and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of ED W. SMITH MACHINE WORKS, INC.



NOTE: VESSEL COMPONENTS AND DOWNCOMER, SHOWN BELOW TO ILLUSTRATE INSTALLATION REQUIREMENTS, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.



E-W S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 3.3 MMSCFD
 GAS SPECIFIC GRAVITY: 1.7818
 OPERATING PRESSURE: 47 PSIG
 OPERATING TEMPERATURE: 110 F
 VESSEL SHELL: 42" ID
 INLET & OUTLET NOZZLES: 6" NPS (MINIMUM)

MATERIALS OF CONSTRUCTION
 VANES: T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL
 ESTIMATED WEIGHT: 424 LB.

INSTALLATION NOTES

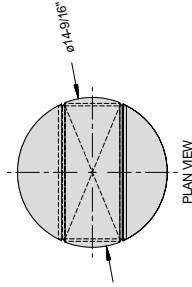
1. E-W S RECOMMENDED INLET & OUTLET NOZZLE ELEVATIONS SHOWN RELATIVE TO MIST EXTRACTOR.
2. MIST EXTRACTOR HOUSING IS CONTOURED TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
3. VANE ELEMENTS ARE INDIVIDUALLY REMOVABLE FOR MAINTENANCE & CLEANING.
4. DOWNCOMER MUST HAVE LIQUID IMERSION SEAL IN SLUMP (6" BELOW LOW LIQUID LEVEL).
5. USE LATERAL INLET DEFLECTOR & CONTOUR OUTLET NOZZLE INTERNAL PROJECTION TO SHELL.
6. NOT TO SCALE



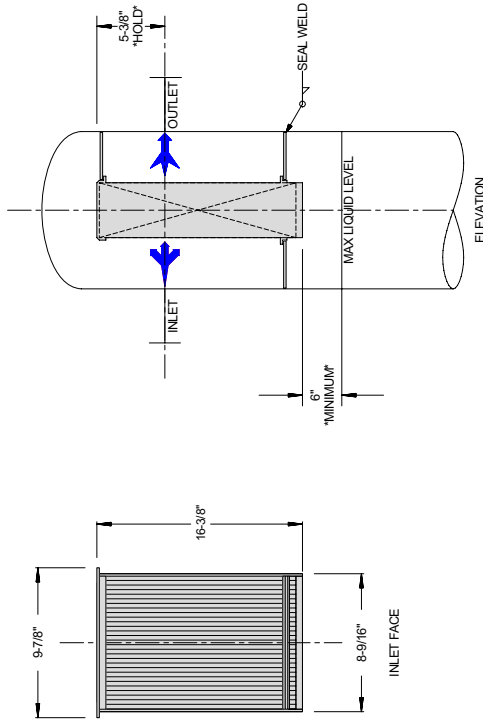
DESCRIPTION: MODEL BT-1R
 VANE MIST EXTRACTOR

PO	NO
DATE	DWG

This drawing is the property of ED W. SMITH MACHINE WORKS, INC. and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of ED W. SMITH MACHINE WORKS, INC.



NOTE: VESSEL COMPONENTS, SHOWN BELOW, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.



E-W S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 3,285 MMSCFD
 GAS SPECIFIC GRAVITY: 1.0
 OPERATING PRESSURE: 350 PSIG
 OPERATING TEMPERATURE: 160 F
 VESSEL SHELL: 10\"/>

MATERIALS OF CONSTRUCTION
 VANES: CARBON STEEL OR T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL OR T-316L STAINLESS STEEL
 ESTIMATED WEIGHT: 76 LB.

INSTALLATION NOTES

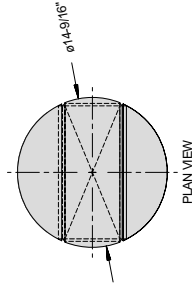
1. E-W S RECOMMENDED INLET & OUTLET NOZZLE ELEVATIONS SHOWN RELATIVE TO MIST EXTRACTOR.
2. MIST EXTRACTOR HOUSING IS CONToured TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
3. RADIUS HALF WOOD Baffles (J) WILL SHIP IN CASE.
4. MAXIMUM LIQUID LEVEL IS 6\"/>



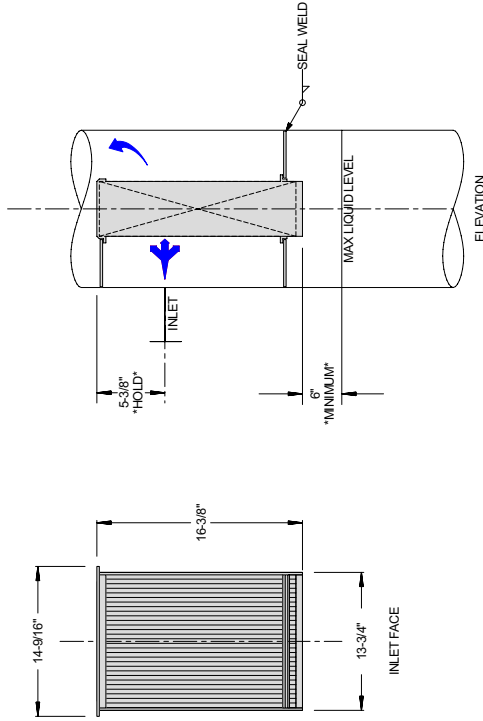
DESCRIPTION: MODEL LS-1
 VANE MIST EXTRACTOR

PO NO.	810
DATE	DWLS

This drawing is the property of Ed W. Smith Machine Works, Inc. It is to be used for the design and construction of the equipment shown. It is not to be used for any other purpose without the written consent of Ed W. Smith Machine Works, Inc. It is to be used for the design and construction of the equipment shown.



NOTE: VESSEL COMPONENTS, SHOWN BELOW, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.



E-W S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 8,833 MMSCFD
 GAS SPECIFIC GRAVITY: 0.804
 OPERATING PRESSURE: 576 PSIG
 OPERATING TEMPERATURE: 140 F
 VESSEL SHELL: 14-689\"/>

MATERIALS OF CONSTRUCTION
 VANES: T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL OR T-316L STAINLESS STEEL
 ESTIMATED WEIGHT: 107 LB.

INSTALLATION NOTES

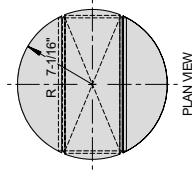
1. E-W S RECOMMENDED INLET NOZZLE ELEVATION SHOWN RELATIVE TO MIST EXTRACTOR.
2. MIST EXTRACTOR HOUSING IS CONToured TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
3. RADIUS HALF WOOD Baffles (J) WILL SHIP IN CASE.
4. MAXIMUM LIQUID LEVEL IS 6\"/>



DESCRIPTION: MODEL LS-TM
 VANE MIST EXTRACTOR

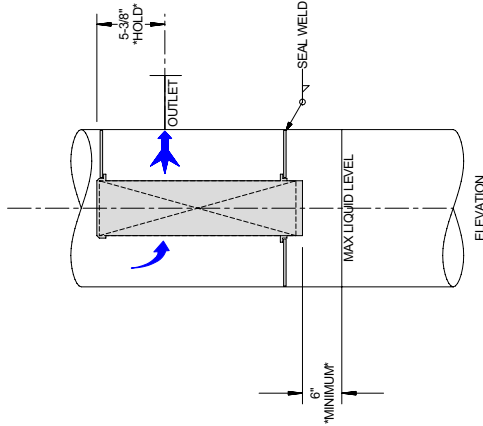
PO NO.	
DATE	DWLS

This drawing is the property of Ed W. Smith Machine Works, Inc. It is to be used for the design and construction of the equipment shown. It is not to be used for any other purpose without the written consent of Ed W. Smith Machine Works, Inc. It is to be used for the design and construction of the equipment shown.

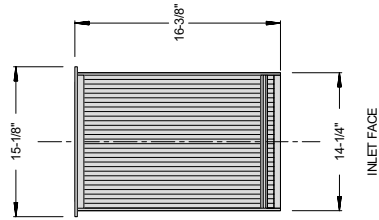


PLAN VIEW

NOTE: VESSEL COMPONENTS, SHOWN BELOW, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.



ELEVATION



INLET FACE

E-W S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 8.25 MMSCFD
 GAS SPECIFIC GRAVITY: 0.608
 OPERATING PRESSURE: 250 PSIG
 OPERATING TEMPERATURE: 97 F
 VESSEL SHELL: 15.25" ID [MINIMUM]
 INLET & OUTLET NOZZLES: 6" NPS [MINIMUM]

MATERIALS OF CONSTRUCTION

VANES: T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL OR T-316L STAINLESS STEEL
 ESTIMATED WEIGHT: 112 LB

INSTALLATION NOTES

1. E-W S RECOMMENDED OUTLET NOZZLE ELEVATION SHOWN RELATIVE TO MIST EXTRACTOR.
2. MIST EXTRACTOR HOUSING IS CONTOURED TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
3. RADIUS OF HALF MOON Baffles (B) WILL SHIP LOOSE.
4. CONTOUR OUTLET NOZZLE INTERNAL PROJECTIONS TO SHELL.
5. MAXIMUM LIQUID LEVEL IS 6" BELOW MIST EXTRACTOR ASSEMBLY.
6. NOT TO SCALE

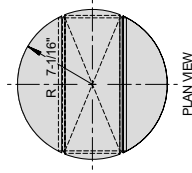


ED W. SMITH
 MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 TEL: 972-251-1977

DESCRIPTION: MODEL LS-1 VANE MIST EXTRACTOR

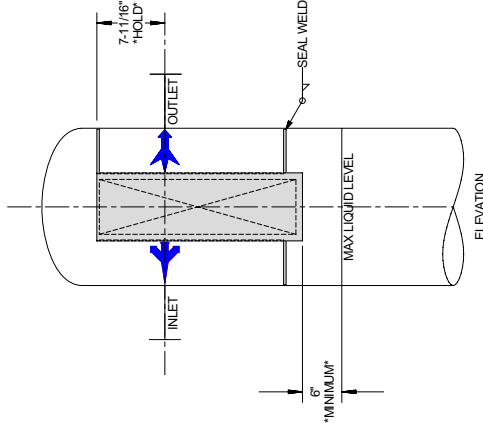
REVISED BY:	
DATE:	
BY:	

This drawing is the property of ED W. SMITH MACHINE WORKS, INC. It is to be used for the design and construction of the equipment shown. It is not to be used for any other purpose without the written consent of ED W. SMITH MACHINE WORKS, INC.

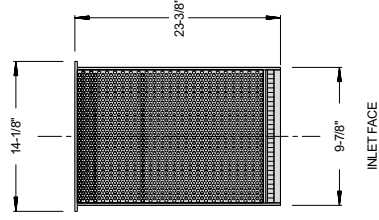


PLAN VIEW

NOTE: VESSEL COMPONENTS, SHOWN BELOW, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.



ELEVATION



INLET FACE

E-W S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 10.0 MMSCFD
 GAS SPECIFIC GRAVITY: 0.65
 OPERATING PRESSURE: 430 PSIG
 OPERATING TEMPERATURE: 120 F
 VESSEL SHELL: 14.314" ID [MINIMUM]
 INLET & OUTLET NOZZLES: 4" NPS [MINIMUM]

MATERIALS OF CONSTRUCTION

VANES: T-316L STAINLESS STEEL
 PERFORATED DIST. PLATES: T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL
 ESTIMATED WEIGHT: 191 LB

INSTALLATION NOTES

1. E-W S RECOMMENDED INLET & OUTLET NOZZLE ELEVATIONS SHOWN RELATIVE TO MIST EXTRACTOR.
2. MIST EXTRACTOR HOUSING IS CONTOURED TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
3. RADIUS OF HALF MOON Baffles (B) WILL SHIP LOOSE.
4. CONTOUR OUTLET NOZZLE INTERNAL PROJECTIONS TO SHELL.
5. MAXIMUM LIQUID LEVEL IS 6" BELOW MIST EXTRACTOR ASSEMBLY.
6. IN-LINE SEPARATORS EQUIPPED WITH LS-1 MIST EXTRACTORS HAVE NO SLUG HANDLING CAPACITY.
7. NOT TO SCALE

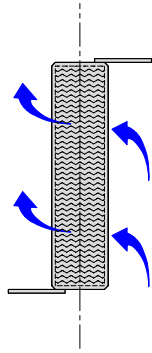


ED W. SMITH
 MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 TEL: 972-251-1977

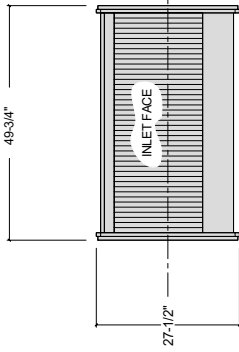
DESCRIPTION: MODEL LS-1 HPP VANE MIST EXTRACTOR

REVISED BY:	
DATE:	
BY:	

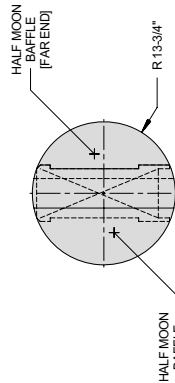
This drawing is the property of ED W. SMITH MACHINE WORKS, INC. It is to be used for the design and construction of the equipment shown. It is not to be used for any other purpose without the written consent of ED W. SMITH MACHINE WORKS, INC.



PLAN VIEW



ELEVATION



INLET END

E-W-S VANE MIST EXTRACTOR DESIGN DATA

GAS FLOW: 90 MMSCFD
 GAS SPECIFIC GRAVITY: 0.65
 OPERATING PRESSURE: 900 PSIG
 OPERATING TEMPERATURE: 120 F
 VESSEL SHELL: 27.75" ID
 INLET & OUTLET NOZZLES: 10" NPS [MINIMUM]

MATERIALS OF CONSTRUCTION

VANES: T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL
 ESTIMATED WEIGHT: 621 LB.

INSTALLATION NOTES

1. MIST EXTRACTOR REQUIRES MINIMUM OF ONE 2" NPS DRAIN, OR DOWNCOMER TO SUMP (IF SO EQUIPPED).
2. DOWNCOMER (IF USED) MUST HAVE LIQUID IMMERSION SEAL IN SUMP (6" BELOW LOW LIQUID LEVEL).
3. HALF MOON BAFFLES WILL SHIP LOOSE.
4. MIST EXTRACTOR BOXING MUST BE SEAL-WELDED TO SHELL.
5. NOT TO SCALE

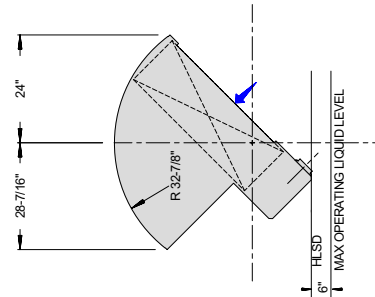


ED W. SMITH
 MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 214-689-9277

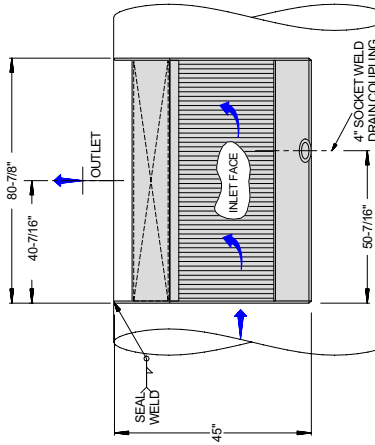
DESCRIPTION: MODEL HFS
 VANE MIST EXTRACTOR

CUSTOMER:	
FIG:	810
DATE:	DWS

This drawing is the property of Ed W. Smith Machine Works, Inc. It is to be used only for the project and quantity specified. It is not to be used for any other project or quantity without the written consent of Ed W. Smith Machine Works, Inc. All rights reserved.



INLET END



ELEVATION

NOTE: VESSEL COMPONENTS SHOWN ABOVE TO ILLUSTRATE INSTALLATION REQUIREMENTS, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.

E-W-S VANE MIST EXTRACTOR DESIGN DATA

GAS FLOW: 62 MMSCFD
 GAS SPECIFIC GRAVITY: 0.7989
 OPERATING PRESSURE: 14 PSIG
 OPERATING TEMPERATURE: 83 F
 VESSEL SHELL: 66" ID
 INLET & OUTLET NOZZLES: 20" ID [MINIMUM]

MATERIALS OF CONSTRUCTION

VANES: T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL
 ESTIMATED WEIGHT: 2,100 LB.

INSTALLATION NOTES

1. E-W-S RECOMMENDED OUTLET NOZZLE POSITION SHOWN RELATIVE TO MIST EXTRACTOR.
2. E-W-S RECOMMENDED MAXIMUM OPERATING LIQUID LEVEL SHOWN RELATIVE TO MIST EXTRACTOR.
3. MIST EXTRACTOR HOUSING IS CONTAINED TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
4. DOWNCOMER (IF USED) MUST HAVE LIQUID IMMERSION SEAL IN SUMP (6" BELOW LOW LIQUID LEVEL).
5. DOWNCOMER MUST HAVE LIQUID IMMERSION SEAL IN SUMP (6" BELOW LOW LIQUID LEVEL).
6. CONTIGUOUS OUTLET NOZZLE INTERNAL PROJECTION TO SHELL.
7. NOT TO SCALE

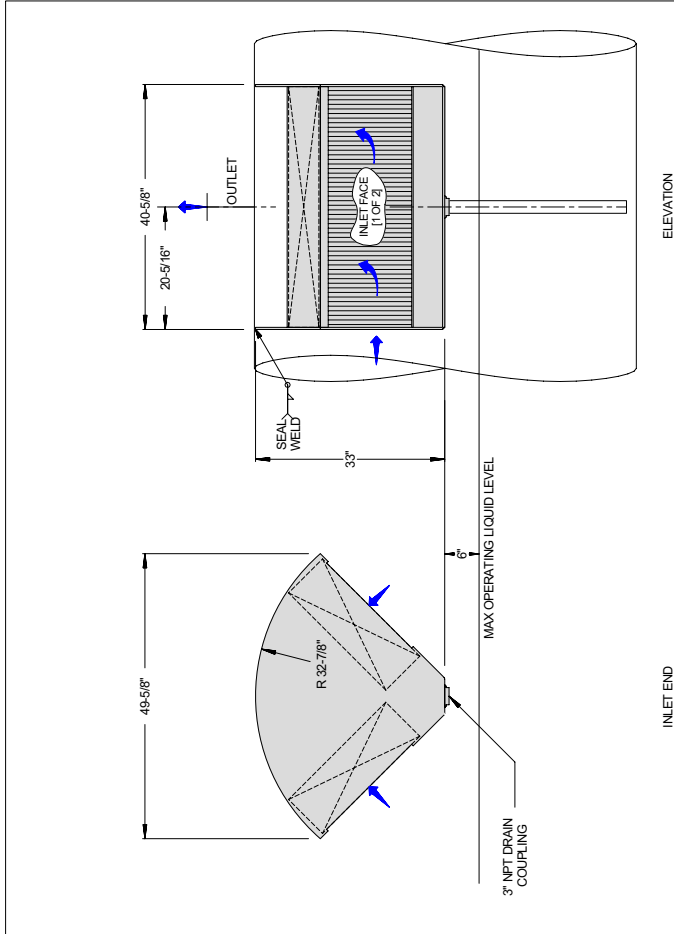


ED W. SMITH
 MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 214-689-9277

DESCRIPTION: MODEL YF-1
 VANE MIST EXTRACTOR

CUSTOMER:	
FIG:	810
DATE:	DWS

This drawing is the property of Ed W. Smith Machine Works, Inc. It is to be used only for the project and quantity specified. It is not to be used for any other project or quantity without the written consent of Ed W. Smith Machine Works, Inc. All rights reserved.



NOTE: VESSEL COMPONENTS & DOWNCOVER, SHOWN ABOVE, TO ILLUSTRATE INSTALLATION REQUIREMENTS, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.

E-W-S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 70.0 MMSCFD
 GAS SPECIFIC GRAVITY: 0.56
 OPERATING PRESSURE: 150 PSIG
 OPERATING TEMPERATURE: 90 F
 VESSEL SHELL: 66" ID [MINIMUM]
 INLET & OUTLET NOZZLES: 10" NPS [MINIMUM]

MATERIALS OF CONSTRUCTION
 VANES: T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL
 ESTIMATED WEIGHT: 1,040 LB.

INSTALLATION NOTES

1. E-W-S RECOMMENDED OUTLET NOZZLE POSITION SHOWN RELATIVE TO MIST EXTRACTOR.
2. E-W-S RECOMMENDED MAXIMUM OPERATING LIQUID LEVEL SHOWN RELATIVE TO MIST EXTRACTOR.
3. MIST EXTRACTOR HOUSING IS CONTOURED TO FIT SHELL & MUST BE SEAL WELDED TO SHELL.
4. DOWNCOVER MUST HAVE LIQUID IMMERSION SEAL IN SLUMP [6" BELOW LOW LIQUID LEVEL].
5. CONTOUR OUTLET NOZZLE INTERNAL PROJECTION TO SHELL.
6. NOT TO SCALE

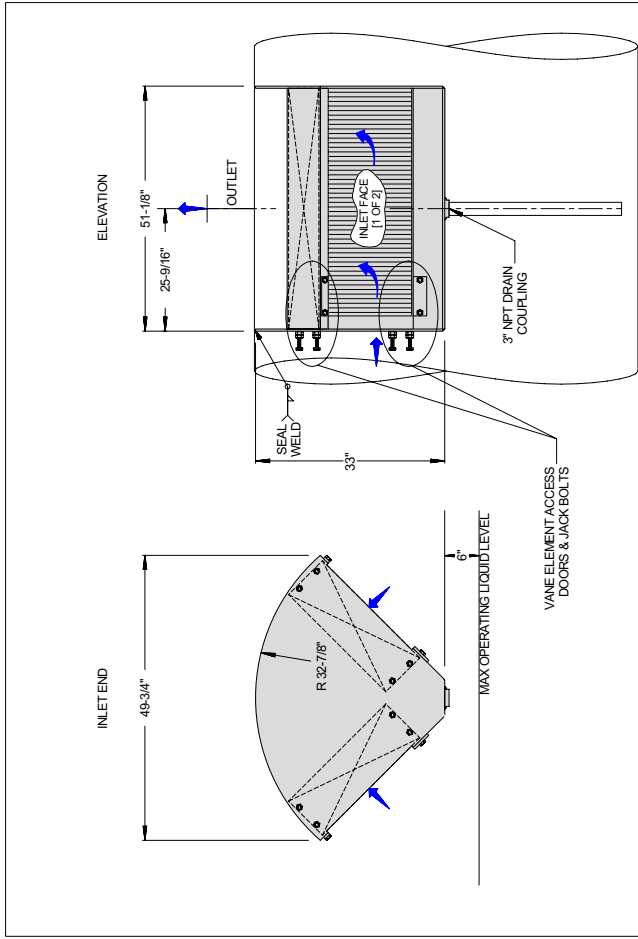


ED W. SMITH
 MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 TEL: 972-241-1977

DESCRIPTION: MODEL YT-2
 VANE MIST EXTRACTOR

PO	NO
DATE	DWG

This drawing is the property of ED W. SMITH MACHINE WORKS, INC. and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of ED W. SMITH MACHINE WORKS, INC.



NOTE: VESSEL COMPONENTS & DOWNCOVER, SHOWN ABOVE, TO ILLUSTRATE INSTALLATION REQUIREMENTS, ARE TO BE SUPPLIED BY VESSEL FABRICATOR.

E-W-S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 150 MMSCFD
 GAS SPECIFIC GRAVITY: 0.6793
 OPERATING PRESSURE: 550 PSIG
 OPERATING TEMPERATURE: 70 F
 VESSEL SHELL: 66" ID

MATERIALS OF CONSTRUCTION
 VANES: T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL OR T-316L STAINLESS STEEL
 ESTIMATED WEIGHT: 1,261 LB.

INSTALLATION NOTES

1. E-W-S RECOMMENDED OUTLET NOZZLE POSITION SHOWN RELATIVE TO MIST EXTRACTOR.
2. E-W-S RECOMMENDED MAXIMUM OPERATING LIQUID LEVEL SHOWN RELATIVE TO MIST EXTRACTOR.
3. VANE ELEMENTS ARE INDIVIDUALLY REMOVABLE FOR MAINTENANCE.
4. MIST EXTRACTOR HOUSING SUBASSEMBLIES ARE TACKED AND MATCH-MARKED FOR MANWAY RETROFIT.
5. MIST EXTRACTOR HOUSING IS CONTOURED TO FIT SHELL & MUST BE REASSEMBLED AND SEAL WELDED TO SHELL.
6. DOWNCOVER MUST HAVE LIQUID IMMERSION SEAL IN SLUMP [6" BELOW LOW LIQUID LEVEL].
7. CONTOUR OUTLET NOZZLE INTERNAL PROJECTION TO SHELL.
8. NOT TO SCALE

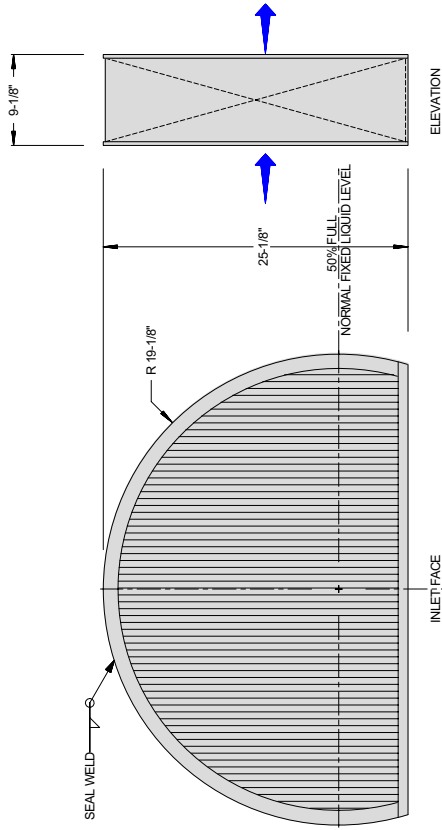


ED W. SMITH
 MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 TEL: 972-241-1977

DESCRIPTION: MODEL YT-2R
 VANE MIST EXTRACTOR

PO	NO
DATE	DWG

This drawing is the property of ED W. SMITH MACHINE WORKS, INC. and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of ED W. SMITH MACHINE WORKS, INC.



ED W. SMITH MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 214-896-0577

DESCRIPTION: **MODEL CR-2**
 VANE MIST EXTRACTOR

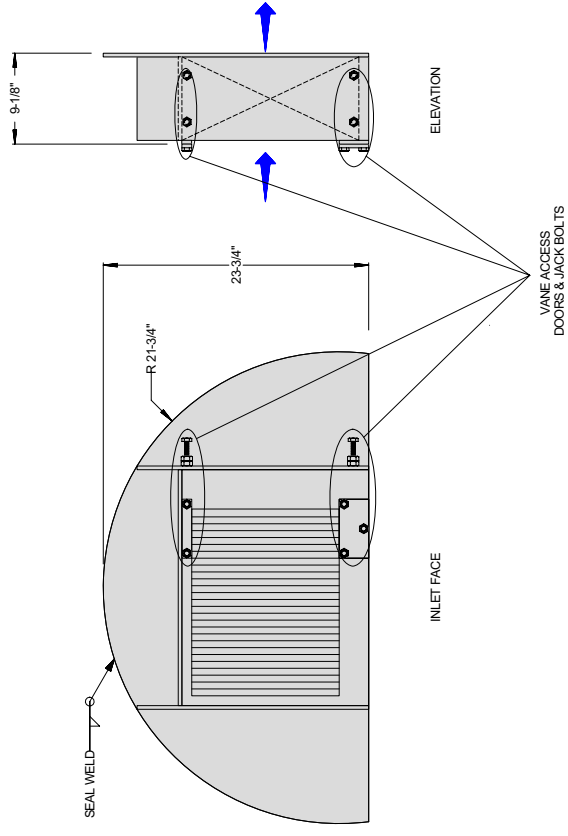
CUSTOMER: _____
 P.O. # _____
 DATE _____
 DWS _____

This drawing is the property of Ed W. Smith Machine Works, Inc. It is to be used only for the specific project for which it was prepared. No other use or reproduction is permitted without the written consent of Ed W. Smith Machine Works, Inc. All rights reserved.

E-W-S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 50 MMSCFD
 GAS SPECIFIC GRAVITY: 0.56
 OPERATING PRESSURE: 1,200 PSIG
 OPERATING TEMPERATURE: 30 F
 VESSEL SHELL: 36.5" ID

MATERIALS OF CONSTRUCTION
 VANES: T-316L STAINLESS STEEL
 HOUSING: CARBON STEEL OR T-316-L STAINLESS STEEL
 ESTIMATED WEIGHT: 250 LB.

INSTALLATION NOTES
 1. SEAL RINGS (INCLUDED) MUST BE SEAL WELDED TO SHELL IN FRONT & BACK OF MIST EXTRACTOR.
 2. MIST EXTRACTOR REQUIRES FIXED LIQUID LEVEL FOR VANE ELEMENT IMMERSION SEAL.
 3. NOT TO SCALE



E-W-S VANE MIST EXTRACTOR DESIGN DATA
 GAS FLOW: 20 MMSCFD
 GAS SPECIFIC GRAVITY: 0.65
 OPERATING PRESSURE: 1,100 PSIG
 OPERATING TEMPERATURE: 90 F
 VESSEL SHELL: 43.75" ID

MATERIALS OF CONSTRUCTION
 VANES: T-316L STAINLESS STEEL
 HOUSING: T-316-L STAINLESS STEEL OR CARBON STEEL
 ESTIMATED WEIGHT: 258 LB.

INSTALLATION NOTES
 1. VANE ELEMENTS ARE INDIVIDUALLY REMOVABLE FOR MAINTENANCE & CLEANING.
 2. MIST EXTRACTOR BOXING MUST BE SEAL WELDED TO SHELL.
 3. NOT TO SCALE

ED W. SMITH MACHINE WORKS, INC.
 3117 COMMERCE ST. DALLAS, TX 75226
 214-896-0577

DESCRIPTION: **MODEL CR-2MR**
 VANE MIST EXTRACTOR

CUSTOMER: _____
 P.O. # _____
 DATE _____
 DWS _____

This drawing is the property of Ed W. Smith Machine Works, Inc. It is to be used only for the specific project for which it was prepared. No other use or reproduction is permitted without the written consent of Ed W. Smith Machine Works, Inc. All rights reserved.