

Please note that source, special nuclear, and byproduct materials, as defined in the Atomic Energy Act of 1954 (AEA) are regulated at the U. S. Department of Energy (DOE) facilities exclusively by DOE acting pursuant to its AEA authority. DOE asserts that pursuant to AEA, it has sole and exclusive responsibility and authority to regulate source, special nuclear, and byproduct materials at DOE-owned nuclear facilities. Information contained herein on radionuclides is provided for process description purposes only.



Attachment to Section 2.6

ISSUED BY
RPP-WTP PDC



Supplier Deviation Disposition Request

Page 1 of 10

PROJECT: River Protection Project Waste Treatment Plant

JOB No.: 24590

FOR RPP-WTP USE			
RPP-WTP SDDR No.	Rev.	DATE RECEIVED	
24590-WTP-SDDR-MS-09-00001	N/A	01/12/09	
FOR SUPPLIER USE			
SUPPLIER SDDR No.		DATE SUBMITTED	
001		1/12/09	
1. Supplier Name	Address	City & State	Zip
JOSEPH OAT CORP.	2500 BROADWAY	CAMDEN, NJ	08104
2. Supplier's Order No.	3. RPP-WTP P.O. or SC		Rev
J2662A/B/C	24590-QL-POB-MVA0-00013		1
4. Deviation Description (Attach extra sheets, photographs, sketches, etc. as necessary and identify quantity and serial numbers as applicable)			
SEE ATTACHED SEPARATE SHEET			
4a. Was an NCR issued? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Number:			
5. Supplier's Proposed Disposition: <input checked="" type="checkbox"/> Use As-Is <input type="checkbox"/> Repair <input type="checkbox"/> Modify RPP-WTP Requirement			
6. Supplier's Estimated Cost Impact: N/A		7. Supplier's Estimated Schedule Impact: N/A	
8. Proposed Disposition and Technical Justification (plus Cost/Schedule if applicable): (Attach extra sheets, sketches, etc., as necessary.)			
SEE ATTACHED SEPARATE SHEET			
9. Supplier's Authorized Representative		Signature	
Name: YINGZONG BU			
Title: PROJECT ENGINEER	Date		
	12-11-2008		
10. RPP-WTP Engineering Action: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> See Below			

Distribution: Acquisition Services _____ Construction _____ QA _____

- NOTES:
- Complete instructions provided at end of form.
 - Items 1 through 9 and 17 to be completed by Supplier
 - Items 10 through 16 and 18 to be completed by RPP-WTP. ** QA Signature required if a document that is signed by QA is affected.
 - Non applicable items to be marked "N/A"
 - Attach additional information whenever necessary
 - RPP-WTP must be notified within 5 days after detection of deviation
 - A copy of the completed SDDR form, with signatures in items 17 and 18, shall be included by the Supplier in the quality verification data package for each item to which this SDDR applies.



Supplier Deviation Disposition Request Engineering Disposition

Page 2 of 10

PROJECT: River Protection Project Waste Treatment Plant JOB NO.: 24590 SDDR: 24590-WTP-SDDR-MS Rev. NA

-09-00001

Title of SDDR: PSV DEMISTER / MISC. DESIGN CHANGES
VESSELS

11. (OPTIONAL) RPP-WTP Provisional Disposition Statement (Attach extra sheets, sketches, etc., as necessary).

NA

RPP-WTP Provisional Disposition Justification (Attach extra sheets, sketches, etc., as necessary).

NA

ATS Number: 24590-WTP-ATS-QAIS- NA

RPP-WTP Provisional Disposition Approval:

RE/Originator:	<u>NA</u>		
	<small>Print/Type Name</small>	<small>Signature</small>	<small>Date</small>
E&NS Review (when required):	<u>NA</u>		
	<small>Print/Type Name</small>	<small>Signature</small>	<small>Date</small>
Approver:	<u>NA</u>		
	<small>Print/Type Name</small>	<small>Signature</small>	<small>Date</small>

12. RPP-WTP Acquisition Services Action: Commercial Terms Impact:

- Yes This SDDR grants relief from requirements or changes the requirements and; check each (consideration) item that applies:
- Modifications to governing terms are required and/or;
 - An increase in price is requested by Seller and/or;
 - A price credit from the supplier is due and/or;
 - An increase/decrease in the Seller promise delivery date is required.
 - Cost impact, if any is subject to a separate approval process as required by the changes clause.
- No This SDDR grants relief from requirements or changes the requirements and all of the following apply:
- No commercial impact (No modification of governing commercial terms is required) and;
 - No increase in price is requested by Seller and;
 - No decrease in price is anticipated or required by Buyer and;
 - No extension of promised shipment is required

NOTES:

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Complete instructions provided at end of form. 2. Items 1 through 9 and 17 to be completed by Supplier 3. Items 10 through 16 and 18 to be completed by RPP-WTP. 4. Non applicable items to be marked "N/A" | <ol style="list-style-type: none"> 5. Attach additional information whenever necessary 6. RPP-WTP must be notified within 5 days after detection of deviation 7. A copy of the completed SDDR form, with signatures in items 17 and 18, shall be included by the Supplier in the quality verification data package for each item to which this SDDR applies. |
|---|---|



Supplier Deviation Disposition Request Engineering Disposition

PROJECT: River Protection Project Waste Treatment Plant JOB NO.: 24590 SDDR: 24590-WTP-SDDR-MS Rev. NA

-09-00001

Title of SDDR: PJV DEMISTER VESSELS / MISC. DESIGN CHANGES

13. Part of DCP?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	DCP Number:	Rev
14. ACA Needed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ACA Number:	Rev

15. RPP-WTP Final Disposition Statement (Attach extra sheets, sketches, etc., as necessary).
 See provisional disposition above. Is the final disposition the same as the provisional disposition? Yes No N/A
THE PROPOSED DISPOSITION IS ACCEPTABLE. THE FUNCTION OF THE VESSEL IS UNAFFECTED.

RPP-WTP Justification (Attach extra sheets, sketches, etc., as necessary).
THESE MODIFICATIONS PROVIDE MORE ACCURATE FIT-UP, ADDITIONAL STRENGTH, EASIER REMOTE ALIGNMENT, ADDITIONAL LENGTH TO ACCOMMODATE COMPONENT THICKNESS, AND PROPER SEALING REQUIREMENTS AS REQUIRED BY THE SMO QUANTITY. CODES & STANDARDS CONTINUE TO BE MET.

REQUIREMENTS REVIEW			
Client Approval Required*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	E&NS Screening Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Interface Resolution Required*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

*Address these "yes" answers in the RPP-WTP Disposition Statement (above).

Affected RPP-WTP Documents:
 Enter N/A or identify by number and current revision the specifications, drawings (including data sheets and engineering lists), supplier documents provided to another supplier, material requisitions (changes to Technical Notes only), and commercial grade dedication documentation. For specifications and drawings (including supplier documents provided to another supplier), indicate how the change will be incorporated. Changes to MR Technical Notes and commercial grade dedication documents are incorporated by design change.

Document Number	Rev	Remarks	Incorporation by	
			Design Change	Reference
<u>24590-PTF-MV-PJV-00002001</u>	<u>0</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>24590-PTF-MV-PJV-00002002</u>	<u>0</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>24590-PTF-MV-M59T-000026</u>	<u>1</u>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

WTP- RP 2/11/09

- NOTES:**
1. Complete instructions provided at end of form.
 2. Items 1 through 9 and 17 to be completed by Supplier
 3. Items 10 through 16 and 18 to be completed by RPP-WTP.
 4. Non applicable items to be marked "N/A"
 5. Attach additional information whenever necessary
 6. RPP-WTP must be notified within 5 days after detection of deviation
 7. A copy of the completed SDDR form, with signatures in items 17 and 18, shall be included by the Supplier in the quality verification data package for each item to which this SDDR applies.

J2662 SDDR-001 Attachment for the Deviation Description and Proposed Disposition and Technical Justification:

1 Body Flange Joint to Shell

1) Deviation Description:

The body flange design called out in BNI drawing 24590-PTF-MV-PJV-00002001 Rev.0 "Detail 1" in zone E-5 and F-5, is changed to full penetration on the I.D side and additional full NDE of this weld compared to the original design. See attached sketch of SDDR001-sk-01 for details.

2) Proposed Disposition and Technical Justification:

Proposed disposition is "Use-as-is". The body flange configuration is in accordance with Appendix Y of ASME section VIII, Div 1. The proposed alternate body flange design improves the ID weld from fillet to full penetration weld with NDE test; the new flange ID line up with the shell ID without changing the original flange outside diameter or the bolt circle and seal ring location.

2 Skirt Base Plate Thickness

1) Deviation Description:

The skirt base plate type 2a, called out in BNI drawing 24590-WTP-MV-M59T-00026 Rev.1 zone C-6, is changed from 5/8" thick to 3/4" thick.

2) Proposed Disposition and Technical Justification:

Proposed disposition is "Use-as-is". The proposed base plate thickness provides additional strength to the vessel support without affecting the vessel overall dimensions.

3 Upper Body Flange Dowel Pin Hole Size

1) Deviation Description:

The upper body flange Dowel pin hole top diameter, in BNI drawing 24590-PTF-MV-PJV-00002001 Rev.0 "Section B-B" in zone G-5 and H-5, is changed from 1.760" to 1.790"±0.005". See attached sketch of SDDR001-sk-03 for details.

2) Proposed Disposition and Technical Justification:

Proposed disposition is "Use-as-is". The proposed new diameter does not affect the alignment of the top head assembly to the lower shell section of the vessel, nor any impact to the internal demister assemblies.

4 Body Flange ACME Stud Length

1) Deviation Description:

The ACME stud upper thread section length, called out in BNI drawing 24590-PTF-MV-PJV-00002001 Rev.0 "Detail 7" in zone D-5, is changed from 4" to 4-3/8" compared to the original design.

2) Proposed Disposition and Technical Justification:

Proposed disposition is "Use-as-is". The proposed longer upper thread section is to accommodate the increased Retainer Ring thickness (see item 5 below in this SDDR) and any reasonable extra thickness of the body flange beyond the specified minimum thickness (no maximum thickness specified).

5 Retainer Ring

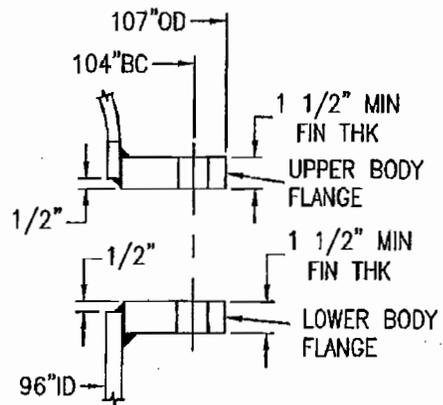
1) Deviation Description:

The Retainer Ring design in BNI drawing 24590-PTF-MV-PJV-00002002 Rev.0 is changed from 1" thick and 2.5" wide to 1-1/4" thick and 3" wide. The spacer block is changed from quantity of 6 to 14 because of the body flange stud quantity change and the thickness is change from 1" thick to 1-1/4" thick as well. See attached sketch of SDDR001-sk-05 for details.

2) Proposed Disposition and Technical Justification:

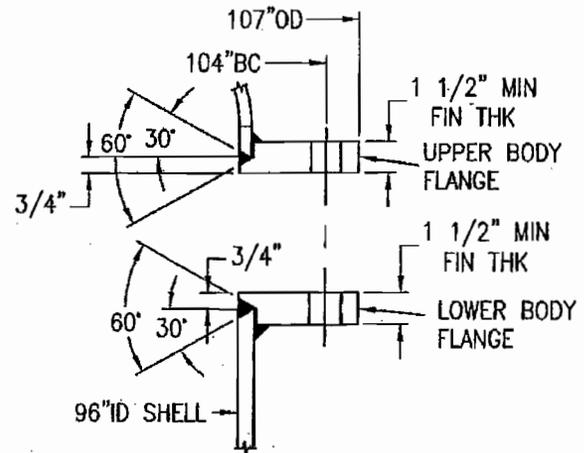
Proposed disposition is "Use-as-is". The proposed new thickness and width of the retainer ring will meet the sealing O-ring requirements and line the top head and lower shell ID better. The increased thickness and quantity of the spacer blocks will suit to the ACME stud quantity change and the Retainer Ring thickness change.

Sketches attached on separate sheets.



BODY FLANGES

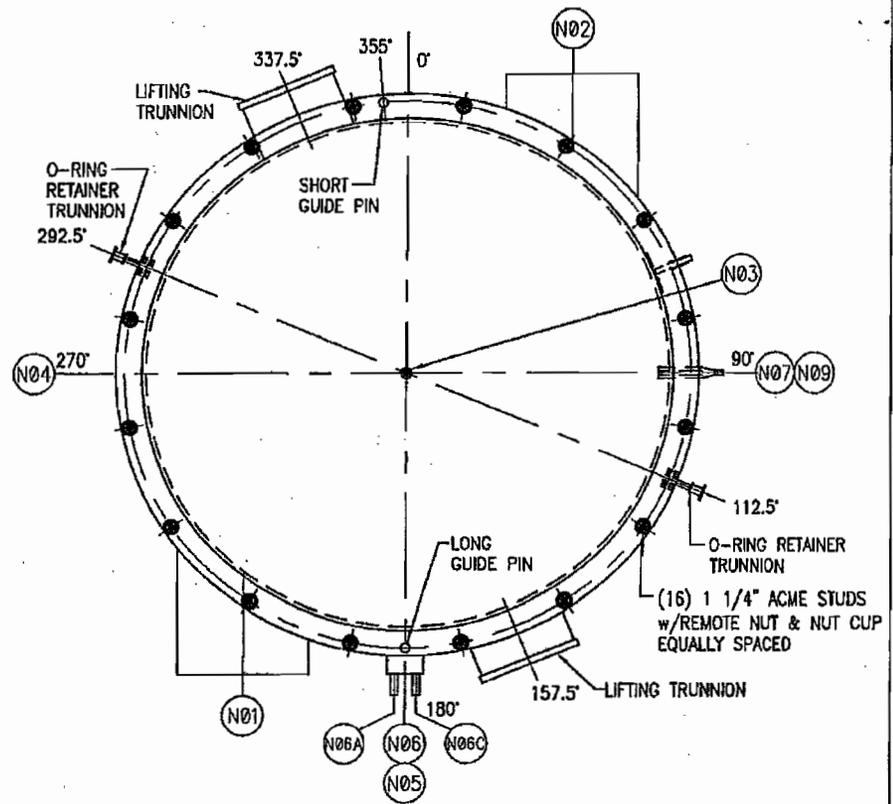
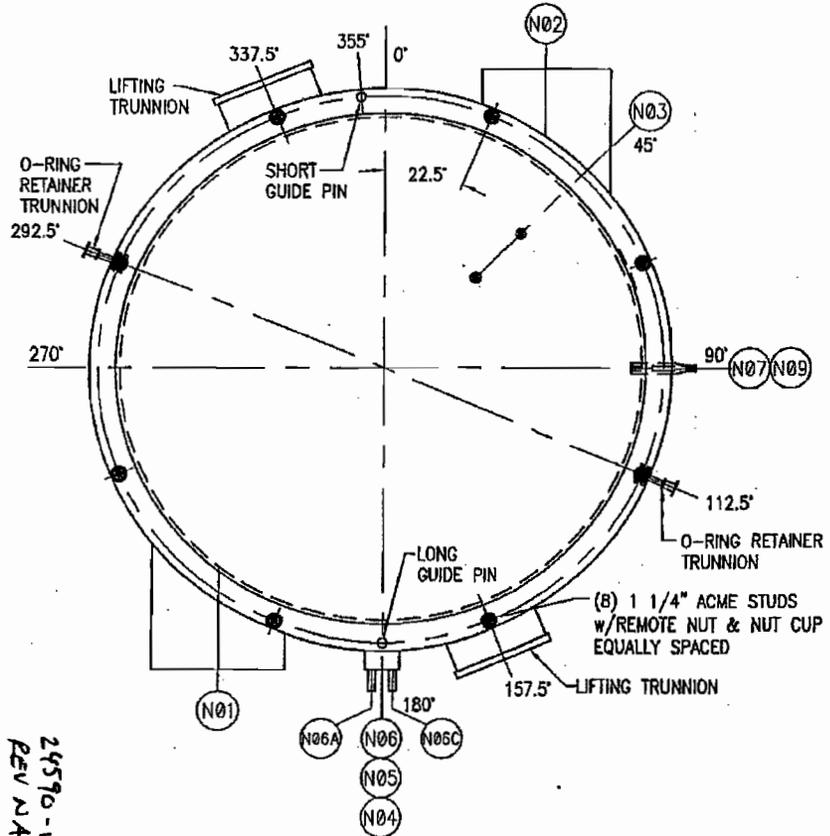
PER BNI DWG 24590-PTF-MV-PJV-00002001 REV. 0
DETAIL 1



PROPOSED BODY FLANGES

24590-WTF-SDDR-MF-01-00001
 DEV NA
 4/10

 JOSEPH OAT CORPORATION 2500 BROADWAY CAMDEN, N.J.	
JOB No: J-2662-A/B/C	SDDR: SDDR001
ENG:	DATE:
DRAWN: PJH	DATE: 12/11/08
SK. No: SDDR001-SK-01	REV: 0



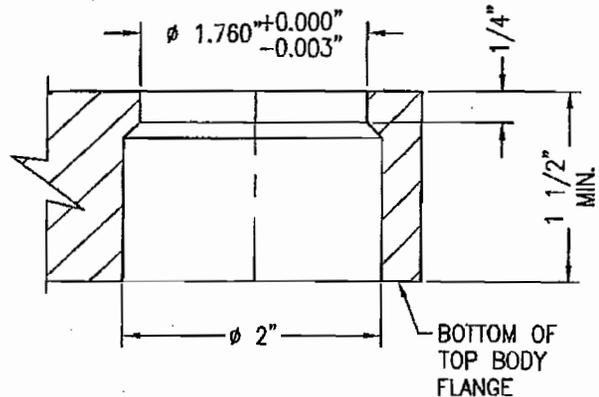
BODY FLANGE STUD ARRANGEMENT

PER BNI DWG. 24590-PTF-MV-PJV-00002001 REV.0

PROPOSED BODY FLANGE STUD ARRANGEMENT

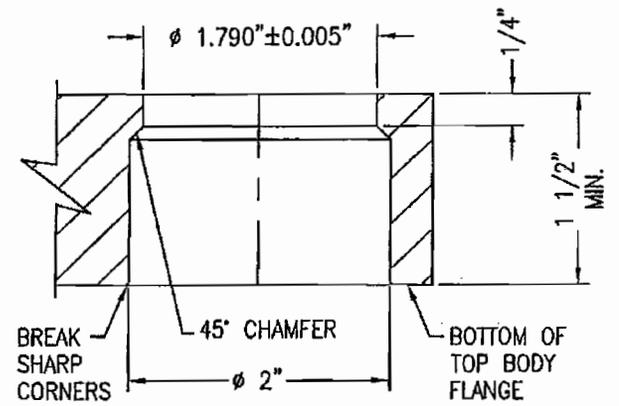
24590-WTFP-SDDR-MV-04-00001
 REV A
 8/10

 JOSEPH OAT CORPORATION 2500 BROADWAY CAMDEN, N.J.	
JOB No: J-2662-A/B/C	SDDR: SDDR001
ENG:	DATE:
DRAWN: PJH	DATE: 12/11/08
SK. No: SDDR001-SK-02	REV: 0



GUIDE PIN HOLE

PER BNI DWG. 24590-PTF-MV-PJV-00002001 REV.0
SECTION B-B



PROPOSED GUIDE PIN HOLE

(IN UPPER BODY FLANGE)

24590-PTF-MV-PJV-00002001
 REV.04
 9/1/08

 JOSEPH OAT CORPORATION 2500 BROADWAY CAMDEN, N.J.	
JOB No: J-2662-A/B/C	SDDR: SDDR001
ENG:	DATE:
DRAWN: PJH	DATE: 12/11/08
SK. No: SDDR001-SK-03	REV: 0

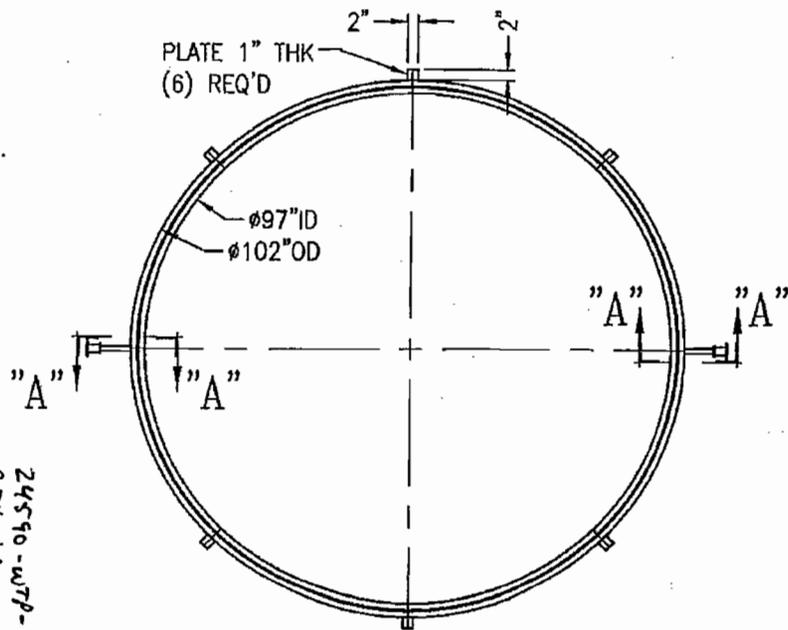


PLATE 1" THK
(6) REQ'D

ø97" ID
ø102" OD

"A"

"A"

"A"

O-RING RETAINER

PER BNI DWG. 24590-PTF-MV-PJV-00002002 REV.0
PLAN & DETAIL 19

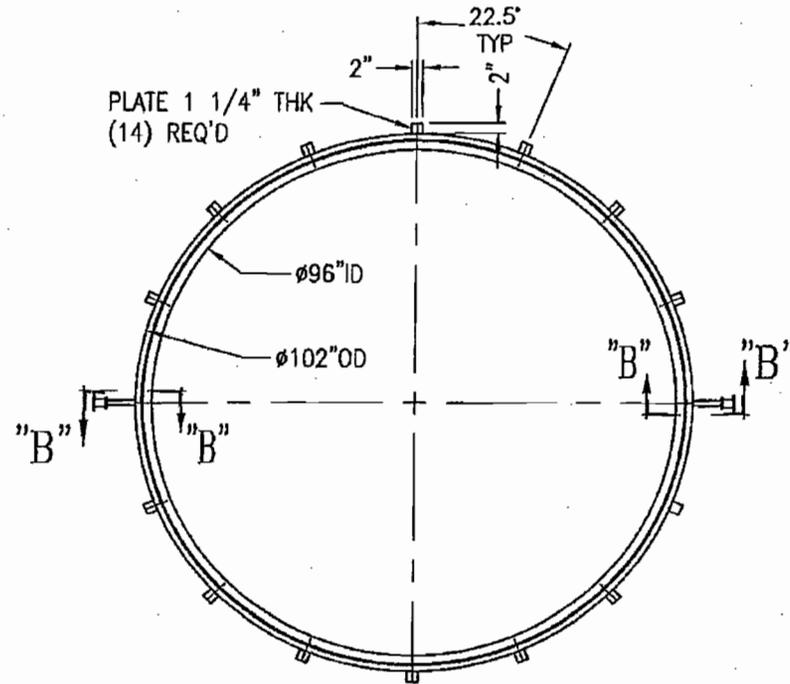


PLATE 1 1/4" THK
(14) REQ'D

ø96" ID
ø102" OD

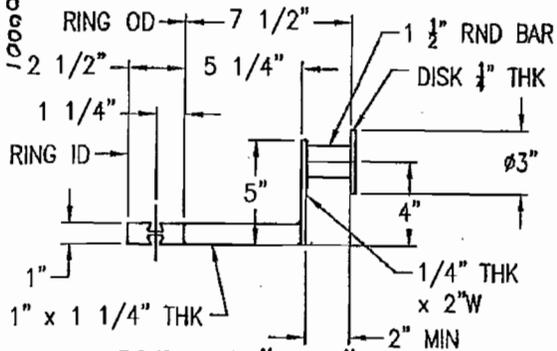
"B"

"B"

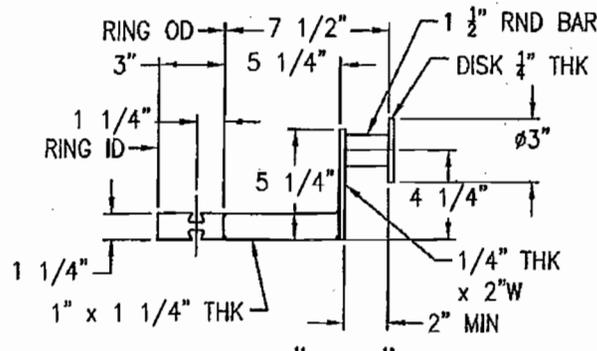
"B"

PROPOSED O-RING RETAINER

24590-WTP-SDDK-MJ-09-00001
 REV N/A
 10/10



SECTION "A-A"



SECTION "B-B"

 JOSEPH OAT CORPORATION 2500 BROADWAY CAMDEN, N.J.	
JOB No: J-2662-A/B/C	SDDR: SDDR001
ENG:	DATE:
DRAWN: PJH	DATE: 12/11/08
SK. No: SDDR001-SK-05	REV: 0