



# RAFAT

8850 GEORGE BOLTON PARKWAY, CALEDON, ONTARIO L7E 2Y4

**Shop Drawings  
Transmittal No:**

22 11 00-02R0

<b>Project Name:</b>	Construction of Victoria Park Arena and Brampton Sports Hall of Fame	<b>Project No.</b>	NRFP2024-232
		<b>DATE:</b>	20 Feb 2025
		<b>Submittal Required Return Date:</b>	06 Mar 2025
<b>Submittal No:</b>	36		

<b>Title:</b>	SD-Buffer Tanks
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<b>To:</b>	Mark Falkenburger
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<b>Checked by:</b>	<b>Abdullah Hissamuddin</b>	<b>To Be Reviewed By the Following Consultants</b>	Architecture49 & WSP
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<b>Submitted for:</b>	Review and Approval
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<b>Consultants Response</b>	
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**SUBMITTAL REVIEW**  
For general compliance with the design concept and contract documents. Subcontractor is solely responsible for jobsite correlation and correctness of all ratings, sizings, type, style, dimensions, finish, quantities and satisfactory fitting to other work and equipment. This review does not change the intent of the contract document.

REVIEWED

RESUBMIT

REJECTED



## SHOP DRAWING REVIEW

**Project Name:** Victoria Park Arena

**Project No.** CA-WSP-221-05263-00

**Date** 2025-03-05

**Received:**

**Shop Drawing:** Title: Buffer Tank

Revision: 00

Submission No.: 21-09

This review by consultant is for sole purpose of ascertaining conformance with general design concept. This review does not mean that consultant approves detail design inherent in shop drawings, responsibility for which remains with contractor, and such review does not relieve contractor of responsibility for errors or omissions in shop drawings or of contractor's responsibility for meeting all requirements of contract documents. Be responsible for dimensions to be confirmed and correlated at job site, for information that pertains solely to fabrication process or to techniques of construction and installation, and for coordination of the work of subtrades.

<input type="checkbox"/> Reviewed	<b>Mechanical Review Required</b> <input checked="" type="checkbox"/>	<b>Electrical Review Required</b> <input type="checkbox"/>
<input checked="" type="checkbox"/> Reviewed as Noted	<b>Reviewed by:</b> Jerry Nweisser	<b>Reviewed by:</b>
<input type="checkbox"/> Revise & Resubmit	<b>Review Date:</b> 2025-03-05	<b>Review Date:</b>
<b>Item</b>	<b>Comments</b>	
1.	Contractor to ensure that buffers tanks are c/w thermal insulation as noted in buffer tank schedule note #1.	
2.		
3.		
4.		

End of Review



54 Audia Court, Unit 2  
Concord, ON L4K 3N5  
(905)-738-1400

## Submittal 24-280-014

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
VICTORIA PARK ARENA	24-280 20 Victoria Crescent, Brampton, ON L6T 1E4	Feb 19, 2025

TO	FROM
Abdullah Hissamuddin	PAUL LEDDY
COMPANY	COMPANY
RAFAT GENERAL CONTRACTOR INC.	Consult Mechanical Inc.
EMAIL	EMAIL
abdullah.hissam@rafat.ca	paul.l@consultmechanical.com
ADDRESS	ADDRESS
8850 GEORGE BOLTON PKWY BOLTON, ON L7E 2Y4	54 Audia Court, Unit 2 Concord, ON L4K 3N5

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### Title

Consult Submittal for Buffer Tanks

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### Description

Wessels Model CBT Buffer Tanks

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### Package Items

SPEC	SUBSECTION ITEM	TYPE
M901 Schedule of Buffer Tanks	M-901	Schedule of Buffer Tanks Shop Drawings

**Submittal # 85627****APPROVAL REQUIRED**

**Project** 22104386-MECH-1- Brampton Victoria Park Arena  
**Leader** Nevin Wong  
**Job Site** Brampton Victoria Park Arena  
**Submission Date** 2025-02-19  
**Sold To** CONSULT MECH  
**Submitted By** Chukwuebuka Eleagu

**Contacts**

Role	Customer	Our Rep
Mechanical Contractor	Con-Sult Mechanical Inc.*	Nevin Wong
General Contractor	Rafat General Contracing Inc	
Mechanical Contractor	Con-Sult Mechanical Inc.*	Nevin Wong
Mechanical Contractor	Con-Sult Mechanical Inc.*	Nevin Wong
Designer	WSP MMM Group	Alex Forsea

**Deliverables**

Track #	289010		
Tag	BT-1,2		
Description	Buffer tank		
Quantity	2		
Production Lead Time	20 - 24 Weeks		
Revision #	0		

**Attention:**

- 1) HTS will provide equipment in accordance with the attached shop drawings.
- 2) Upon approved submittal and customer release, HTS will release equipment to fabrication per the published lead times. Any storage fees associated with project schedule changes will be the responsibility of the purchaser.
- 3) HTS can provide freight and logistics to the purchaser as an added benefit of doing business with HTS. When freight is received by the purchaser, any noticeable damage must be recorded. Otherwise, HTS is not responsible for subsequent damage claims.

**Approval Stamps**

BUFFER TANK SCHEDULE									
TAG	LOCATION	MANUFACTURER	MODEL NO.	UNIT WEIGHT (KG)	WORKING WEIGHT (KG)	VOLUME (LITRES)	DIMENSIONS (mm)	CONNECTION SIZE (mm)	REMARKS
BT-1.2	SECOND FLOOR MECHANICAL ROOM	AMTROL	CWBT500-8-125	633	2,525	1,890	2908(H) x 13720	200Ø	

NOTES:  
1. CW THERMAL INSULATION

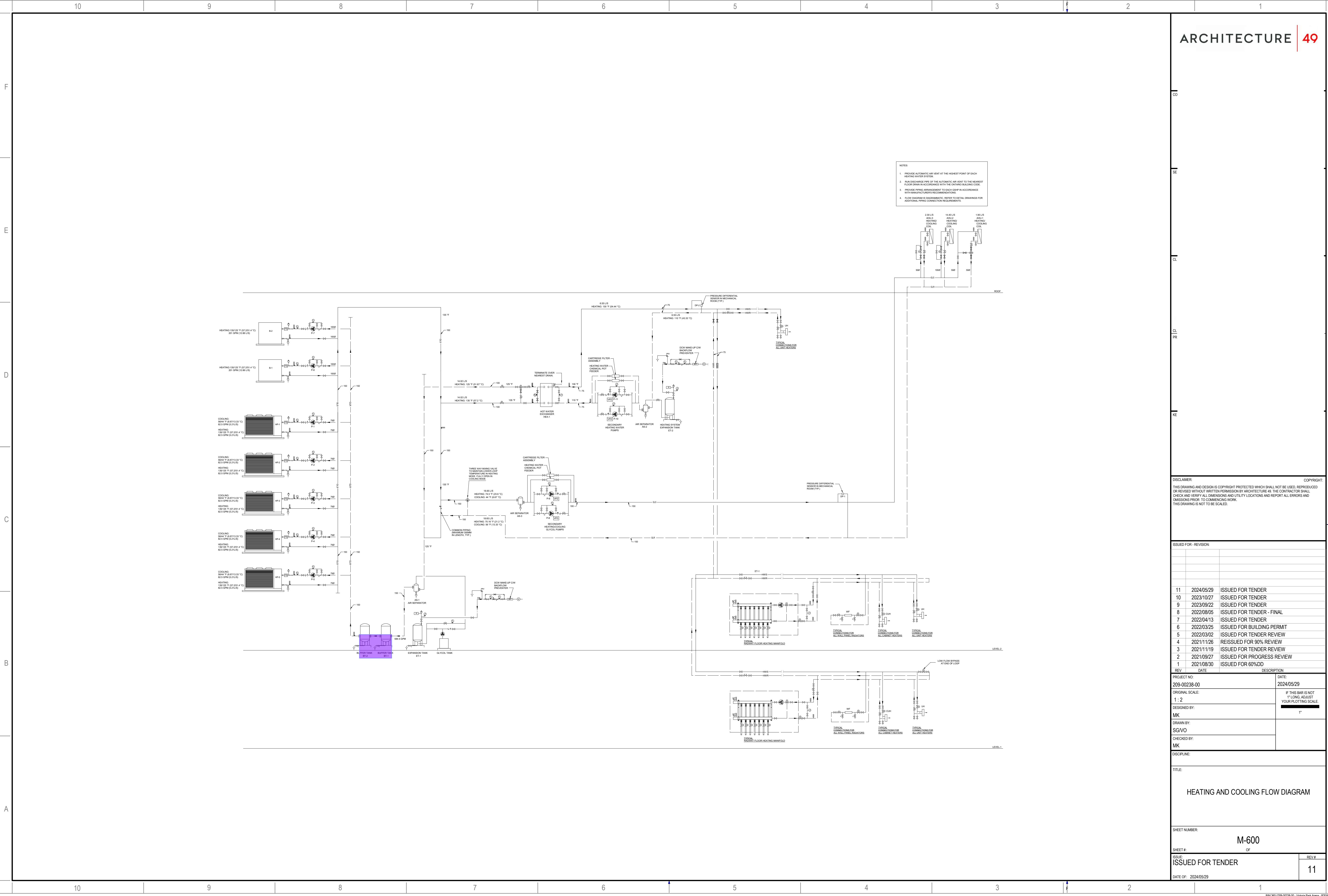
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[illegible]

PROJECT NO. 009-00238-00		DATE 2024/05/29
ORIGINAL SCALE:		IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY: MK		1"
DRAWN BY: SGAVO		
CHECKED BY: MK		

DISCIPLINE:
TITLE:

MECHANICAL EQUIPMENT SCHEDULES #2	
SHEET NUMBER:	
M-901	
OF	
ISSUE:	REV/#
ISSUED FOR TENDER	8
DATE OF: 2024/05/29	



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PR

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DISCLAIMER:

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ISSUED FOR - REVISION:

REV	DATE	DESCRIPTION
11	2024/05/29	ISSUED FOR TENDER
10	2023/10/27	ISSUED FOR TENDER
9	2023/09/22	ISSUED FOR TENDER
8	2022/08/05	ISSUED FOR TENDER - FINAL
7	2022/04/13	ISSUED FOR TENDER
6	2022/03/25	ISSUED FOR BUILDING PERMIT
5	2022/03/02	ISSUED FOR TENDER REVIEW
4	2021/11/26	REISSUED FOR 90% REVIEW
3	2021/11/19	ISSUED FOR TENDER REVIEW
2	2021/09/27	ISSUED FOR PROGRESS REVIEW
1	2021/08/30	ISSUED FOR 60%DD

PROJECT NO:

209-00238-00

DATE:

2024/05/29

ORIGINAL SCALE:

1:2

DESIGNED BY:

MK

DRAWN BY:

SGVO

CHECKED BY:

MK

DISCIPLINE:

HEATING AND COOLING FLOW DIAGRAM

SHEET NUMBER:

M-600

ISSUE:

ISSUED FOR TENDER

DATE OF:

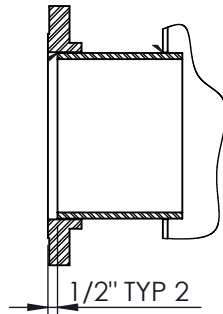
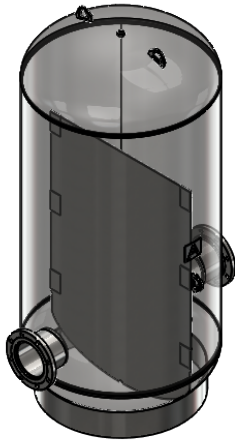
2024/05/29

REV #:

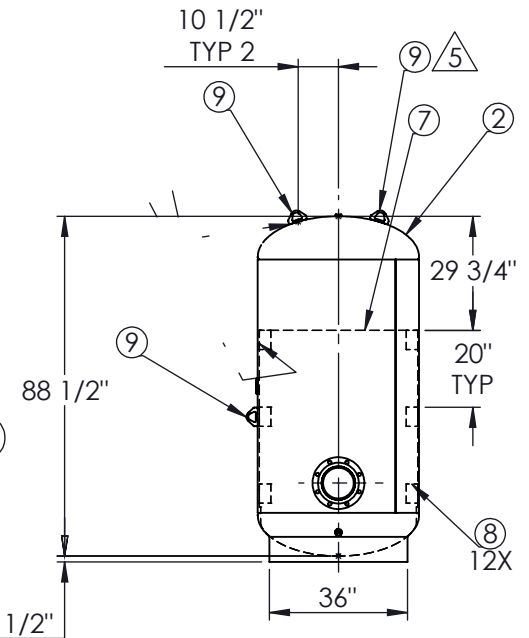
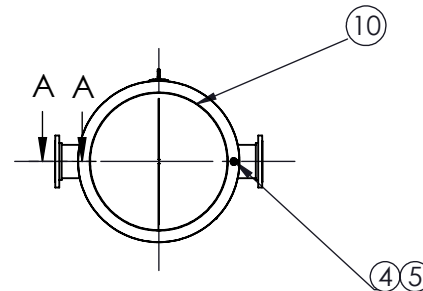
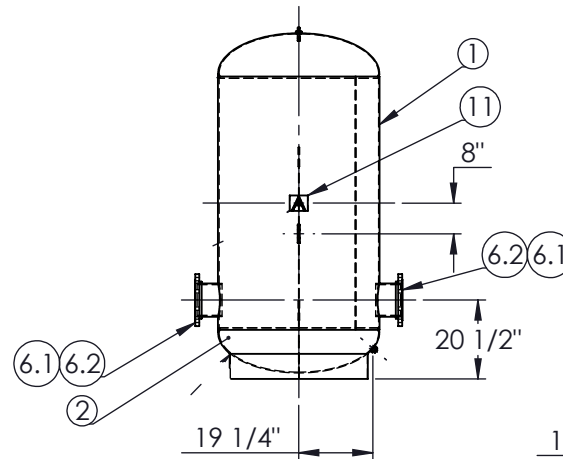
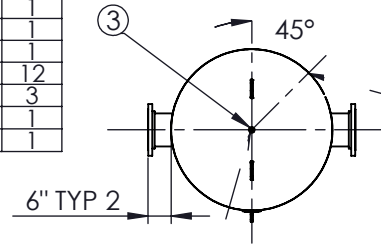
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BIM 360://209-00238-00 - Victoria Park Arena - R2024 VPA.rvt  
2024-05-30 12:54:53 PM

ITEM #	PART NUMBER	DESCRIPTION	RAW MAT'L QTY.
1	99B1840	SHELL: .250" SA-516-70	1
2	9200230	HEAD: 42" X .211" MIN 2:1 SE JF SA-414-G	2
3	9500040	SPUD: 3/4" NPT #704 SA-181-70	1
4	9500050	SPUD: 1" NPT #705 SA-181-70	1
5	9500150	PLUG: 1" SOLID SQ HD SA-105	1
6	55A0376	CBT 500 FLANGE ASS'Y: 8"	2
6.1	93P1797	PIPE: 8" SCH40 X 6 1/2" LG SA-106-B	1
6.2	9461100	FLANGE: 8" 150# SORF ASME B16.5 SA-105	1
7	9455042	BAFFLE: CBT 500, .144" SA-414-G	1
8	55K0266	TAB: .125" X 3" X 5" SA-414-G	12
9	9400542	LIFT LUG: 1/2" X 4 7/8" X 3" SA-105	3
10	55Q0378	BASING: .144" SA-414-G	1
11	9600830	ASME DATA PLATE: 4" X 4 3/4" SA-240 304	1



SECTION A-A  
SCALE 1 : 10  
8" FLANGE DETAIL



SPECIFICATIONS
OD 42" LGTH 88 1/2"
MAWP: 125 PSI AT 450°F
MDMT: 0°F AT 125 PSI
WC: 500 GAL
CODE: "U" LATEST EDITION
WELD DETAILS: GIVEN

NOTES:

1. EXTERIOR: RED OXIDE PRIMER
2. INSTALL PLASTIC THREAD PROTECTORS.
3. NO POST-WELD HEAT TREATMENT REQUIRED.
4. ALL BOLT HOLES TO STRADDLE CENTERLINE.
5. ESTIMATED WEIGHT: 1064.26 LB

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL  $\pm 1/4"$   
ANGULAR  $\pm 2 1/2^\circ$



**wessels**  
company

CBT-500-8F ASME CHILLED BUFFER TANK

SCALE: 1:50

DATE: 4/18/06

BY: JC

P/N:

A-V500010-6