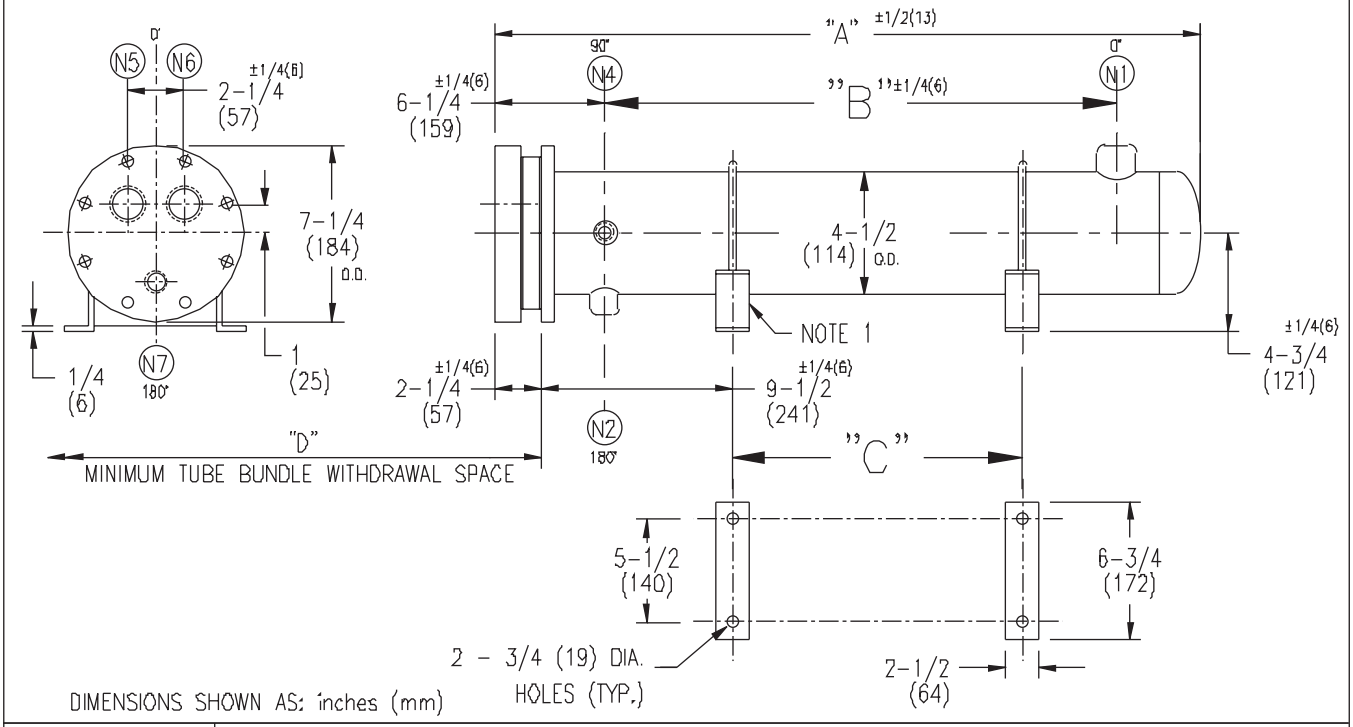
ARMSTRONG®



DIMENSIONS SHOWN AS: inches (mm)

EXCHANGER SIZE	DIMENSIONS											
	A		B		C		D		N1		N2	
*-BAFFLE SPACING	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS3T-42-4*-E3	35 1/4	895	23 1/4	591	15 7/8	403	26	660	2	51	1	25
WS3T-43-4*-E3	47 1/4	1200	35 1/4	895	27 7/8	708	38	965	2	51	1	25
WS3T-44-4*-E3	59 1/4	1505	47 1/4	1200	39 7/8	1013	50	1270	2	51	1	25
WS3T-45-4*-E3	71 1/4	1810	59 1/4	1505	51 7/8	1318	62	1575	2 1/2	64	1 1/4	32
WS3T-46-4*-E3	83 1/4	2115	71 1/4	1810	63 7/8	1622	74	1879	2 1/2	64	1 1/4	32
WS3T-47-4*-E3	95 1/4	2419	83 1/4	2115	75 7/8	1927	86	2184	2 1/2	64	1 1/4	32
WS3T-48-4*-E3	107 1/4	2724	95 1/4	2419	87 7/8	2232	98	2489	2 1/2	64	1 1/4	32
WS3T-49-4*-E3	119 1/4	3029	107 1/4	2724	99 7/8	2537	110	2794	2 1/2	64	1 1/4	32
WS3T-410-4*-E3	131 1/4	3334	119 1/4	3029	111 7/8	2842	122	3099	2 1/2	64	1 1/4	32

NOZZLE SCHEDULE

SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	1 (25) NPT
OUTLET	N2	AS PER TABLE	N6	1 (25) NPT
DRAIN			N7	1/2 (13) NPT
VENT	N4	3/4 (19) NPT		

NOTES:
1. SUPPORTS SUPPLIED ONLY IF SPECIFIED ON ORDER.
2. NOZZLE SIZES SHOWN ARE RECOMMENDED FOR MAXIMUM EXCHANGER LIFE.
3. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA.
4. DRAWING IS NOT TO SCALE.
5. ALL DIMN'S ±1/8 (3) UNLESS OTHERWISE SHOWN.

DESIGN CONDITIONS

	SHELL		TUBES	
DESIGN PRESSURE	150 PSIG	1034 KPa	300 PSIG	2068 KPa
DESIGN TEMPERATURE	375 °F	191 °C	375 °F	191 °C
MIN. DESIGN METAL TEMP.	35 °F	1.7 °C	35 °F	1.7 °C
HYDRO. TEST PRESSURE	225 PSIG	1551 KPa	450 PSIG	3102 KPa
CONTENTS	STEAM		WATER	

CUSTOMER:
LOCATION:
ENGINEER:
ORDER No.:
PROJECT/JOB:
LOCATION:
TAG: (QUOTE #)

TITLE G.A. 300 LB. WS SERIES HEAT EXCHANGERS

DATE: 11 / 13 / DD BY: J.R.

A R M S T R O N G

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BUFFALO - N. Y. TEL: (716) 693-8813
COLCHESTER - U.K. TEL: (44) 120-857-9491

NUMBER WS3T-4-4P-E3

REV.

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