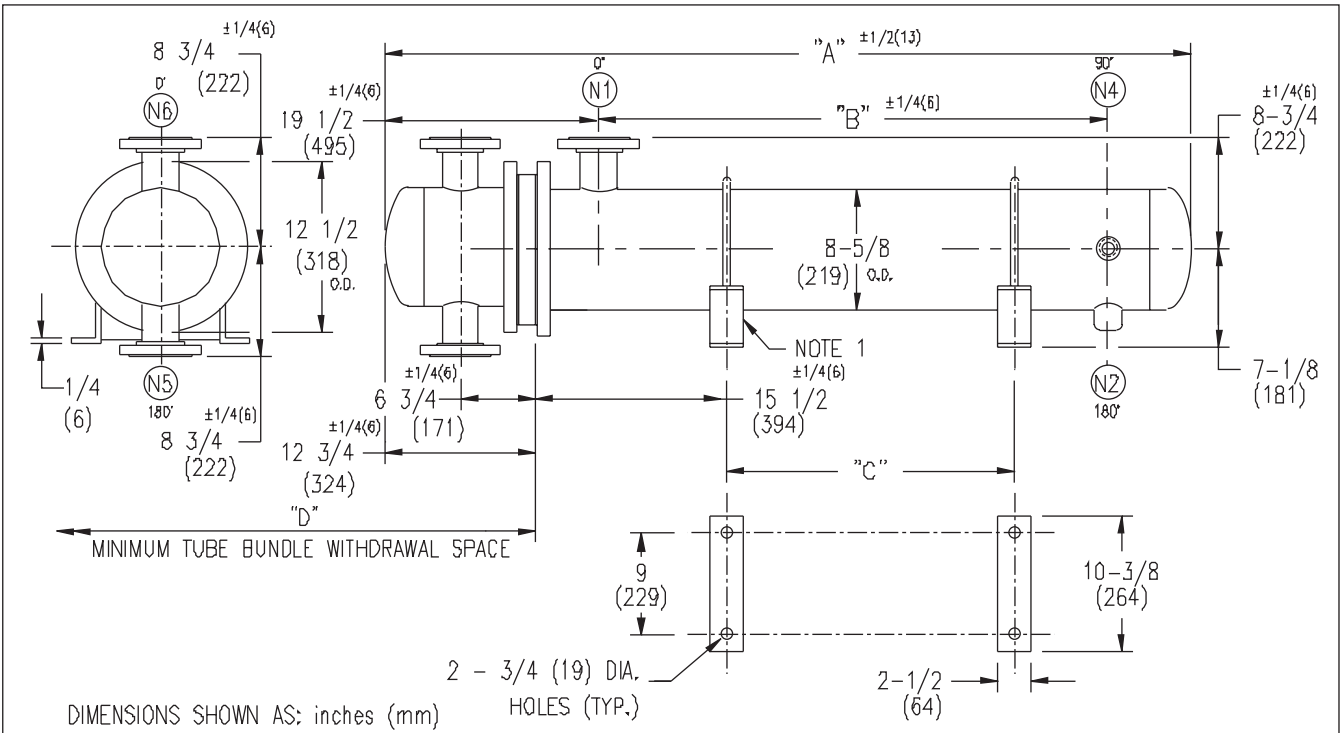


# ARMSTRONG®



DIMENSIONS SHOWN AS: inches (mm)

HOLES (TYP.)

EXCHANGER SIZE *BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS3T-85-2*-4	74	1880	49	1245	37 3/8	949	62	1574	4	102	1	25
WS3T-86-2*-4	86	2184	61	1549	49 3/8	1254	74	1880	4	102	1 1/4	32
WS3T-87-2*-4	98	2489	73	1854	61 3/8	1559	86	2184	4	102	1 1/4	32
WS3T-88-2*-4	110	2794	85	2159	73 3/8	1864	98	2489	6	152	1 1/4	32
WS3T-89-2*-4	122	3099	97	2464	85 3/8	2169	110	2794	6	152	1 1/4	32
WS3T-810-2*-4	134	3404	109	2769	97 3/8	2473	122	3099	6	152	1 1/4	32
WS3T-811-2*-4	146	3708	121	3073	109 3/8	2778	134	3404	6	152	1 1/4	32
WS3T-812-2*-4	158	4013	133	3378	121 3/8	3083	146	3708	6	152	1 1/4	32
WS3T-813-2*-4	170	4318	145	3683	133 3/8	3388	158	4013	6	152	1 1/4	32
WS3T-814-2*-4	182	4623	157	3988	145 3/8	3693	170	4318	6	152	1 1/4	32

## NOZZLE SCHEDULE

SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	3 (76) 300# FLG.
OUTLET	N2	AS PER TABLE	N6	3 (76) 300# FLG.
VENT	N4	3/4 (19) NPT		

- NOTES: 1. SUPPORTS SUPPLIED ONLY IF SPECIFIED ON ORDER.  
 2. NOZZLE SIZES SHOWN ARE RECOMMENDED FOR MAX. EXCHANGER LIFE, NO EXTERNAL FORCES APPLY.  
 3. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA.  
 4. DRAWING IS NOT TO SCALE.  
 5. ALL DIMN'S  $\pm 1/8$  (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	A R M S T R O N G				NUMBER WS3T-8-2P-4(6)	REV.
DATE: 01 / 11 / 01 BY: J.R.	TORONTO - CANADA TEL : (416) 755-2291	MONTREAL - CANADA TEL : (514) 421-2424	BUFFALO - N. Y. TEL: (716) 693-8813	COLCHESTER - U.K. TEL: (44) 120-657-9491		