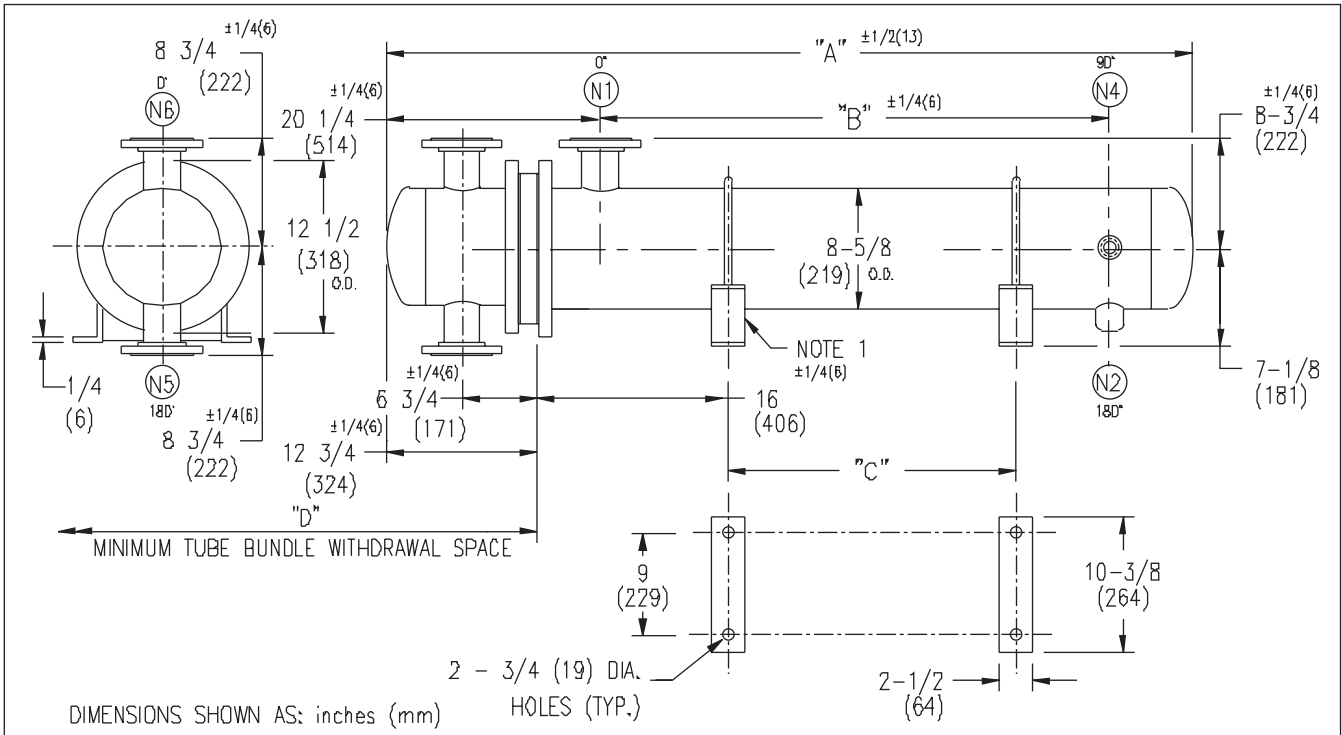


ARMSTRONG®



EXCHANGER SIZE *—BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS3H-85-2*-4	74	1880	48 1/4	1226	35 7/8	911	62	1574	4	102	1	25
WS3H-86-2*-4	86	2184	60 1/4	1530	47 7/8	1216	74	1880	4	102	1 1/4	32
WS3H-87-2*-4	98	2489	72 1/4	1835	59 7/8	1521	86	2184	4	102	1 1/4	32
WS3H-88-2*-4	110	2794	84 1/4	2140	71 7/8	1826	98	2489	6	152	1 1/4	32
WS3H-89-2*-4	122	3099	96 1/4	2445	83 7/8	2130	110	2794	6	152	1 1/4	32
WS3H-810-2*-4	134	3404	108 1/4	2750	95 7/8	2435	122	3099	6	152	1 1/4	32
WS3H-811-2*-4	146	3708	120 1/4	3054	107 7/8	2740	134	3404	6	152	1 1/4	32
WS3H-812-2*-4	158	4013	132 1/4	3359	119 7/8	3045	146	3708	6	152	1 1/4	32
WS3H-813-2*-4	170	4318	144 1/4	3664	131 7/8	3350	158	4013	6	152	1 1/4	32
WS3H-814-2*-4	182	4623	156 1/4	3969	143 7/8	3654	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 DIM'S $\pm 1/8$ (3) UNLESS OTHERWISE SHOWN.

DESIGN CONDITIONS				
	SHELL		TUBES	
DESIGN PRESSURE	300 PSIG	2068 KP _a	300 PSIG	2068 KP _a
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	450 PSIG	3102 KP _a	450 PSIG	3102 KP _a
CONTENTS	STEAM		WATER	

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

TITLE	G.A. 30D LB. WS SERIES HEAT EXCHANGERS	A R M S T R O N G				NUMBER	WS3H-8-2P-4(6)	REV.			
DATE:	02 / 08 / 01	BY:	J.R.	TEL :	(416) 755-2291	TEL :	(514) 421-2424	TEL :	(716) 693-8813	TEL :	(44) 120-657-9491