



DIMENSION TABLE													
FLOW	PUMP	SX**	SY	SZ	DX**	DY	DZ	TX	TY	TZ	OX	OY	OZ
750	4"1593F	(1.7)	19.9	23.8	12.4	19.9	23.8	25.3	32.4	58.5	120.8	35.0	84.0
750	4"1594BF	0.3	19.9	23.1	14.4	19.9	23.1	25.3	32.4	57.7	119.1	35.0	83.3
500	4"1594BF/4"1594F	0.3	19.9	23.1	14.4	19.9	23.1	25.3	31.1	57.7	119.1	34.4	83.3
500	4"1593CF/4"1593BF	(2.2)	19.9	20.5	17.4	19.9	21.0	25.3	31.1	53.2	121.4	34.4	78.7
500	4"1591CF	(2.2)	19.9	20.2	17.4	19.9	21.3	25.3	31.1	48.4	121.4	34.4	78.4
500	4"1591BF	(2.2)	19.9	20.2	17.4	19.9	21.3	25.3	31.1	51.4	121.4	34.4	78.4
450	4"1593BF/4"1592F	(2.2)	19.9	20.5	17.4	19.9	21.0	25.3	29.6	52.4	121.4	32.9	78.4
450	4"1591CF/4"1591BF	(2.2)	19.9	20.2	17.4	19.9	21.3	25.3	29.6	51.1	121.3	32.9	78.4
450	4"1594BF/4"1594F	0.4	19.9	23.1	14.4	19.9	23.1	25.3	29.6	57.9	119.1	32.9	79.7
400	4"1593BF/4"1592F	1.4	19.9	21.5	15.4	19.9	21.0	22.3	29.6	53.4	108.6	34.7	75.2
400	4"1591CF	6.4	19.9	21.3	15.4	19.9	21.3	22.3	29.6	48.6	108.6	34.7	70.4
400	4"1591BF	6.4	19.9	21.3	15.4	19.9	21.3	22.3	29.6	52.6	108.6	34.7	74.4
400	4"1594F	(2.1)	19.9	24.1	12.4	19.9	23.1	22.3	29.6	58.4	110.8	34.7	80.3
300	4"1593BF/4"1592F	1.4	19.9	21.5	15.4	19.9	21.0	22.3	28.8	53.4	108.6	34.3	75.2
300	4"1591BF	6.4	19.9	21.3	15.4	19.9	21.3	22.3	28.8	52.6	108.6	34.3	74.4
300	3"1593BF	6.4	19.9	20.9	15.4	19.9	20.9	22.3	28.8	48.7	108.6	34.3	70.6
300	3"1591CF	6.4	19.9	20.8	15.4	19.9	20.8	22.3	28.8	47.6	108.6	34.3	69.4
250	4"1592F	1.4	19.9	21.5	19.5	19.9	21.0	22.3	28.8	52.3	108.6	34.3	74.1
250	3"1593BF	6.4	19.9	20.9	19.6	19.9	20.9	22.3	28.8	45.9	108.6	34.3	67.7
250	3"1593F	6.4	19.9	19.9	19.6	19.9	19.9	22.3	28.8	48.7	108.6	34.3	70.5
250	3"1591CF	6.4	19.9	20.8	19.6	19.9	20.8	22.3	28.8	45.1	108.6	34.3	67.1
250	3"1591BF	3.9	19.9	19.8	21.1	19.9	20.3	22.3	28.8	47.5	108.6	34.3	69.3
200	3"1593BF	0.3	19.9	19.9	9.6	19.9	19.4	20.2	28.1	46.2	93.6	33.4	67.1
200	3"1592AF	4.4	19.9	18.8	9.6	19.9	18.8	20.2	28.1	50.1	93.6	33.4	68.6
200	3"1593F	0.3	19.9	18.9	9.6	19.9	18.4	20.2	28.1	48.2	93.6	33.4	67.1
200	3"1591CF	0.3	19.9	19.8	9.6	19.9	19.3	20.2	28.1	45.1	93.6	33.4	67.1
200	3"1591AF	5.9	19.9	18.8	11.1	19.9	18.8	20.2	28.1	47.1	93.6	33.4	67.1
150	3"1593BF	1.8	19.9	20.2	9.0	19.9	19.4	19.2	28.1	45.7	93.6	34.7	67.1
150	3"1592AF	0.8	19.9	19.1	9.0	19.9	18.8	19.2	28.1	50.1	93.6	34.7	68.6
150	3"1591CF	1.8	19.9	20.1	9.0	19.9	19.3	19.2	28.1	45.6	93.6	34.7	67.1
150	3"1591AF	2.3	19.9	19.1	10.5	19.9	18.8	19.2	28.1	48.6	93.6	34.7	67.1
100	3"1593BF	(1.4)	19.9	20.4	6.6	19.9	19.4	22.9	27.6	46.7	95.1	33.9	67.1
100	3"1592AF	(0.9)	19.9	19.3	6.6	19.9	18.8	22.9	27.6	51.1	94.6	33.9	68.6
100	3"1591AF	0.6	19.9	19.3	8.1	19.9	18.8	22.9	27.6	48.1	93.6	33.9	67.1
100	2"1591CF	4.2	19.9	17.8	10.2	19.9	17.8	22.9	27.6	47.1	93.6	33.9	67.1
50	3"1593BF	(1.4)	19.9	20.4	6.6	19.9	19.4	22.9	27.5	47.5	95.1	32.0	67.1
50	3"1592AF	(0.9)	19.9	19.3	6.6	19.9	18.8	22.9	27.5	52.2	94.6	32.0	68.8
50	2"1591CF	4.2	19.9	17.8	10.2	19.9	17.8	22.9	27.5	47.9	93.6	32.0	67.1

CUSTOMER CONNECTION SIZES			
FLOW	A	B	C
750	6"	6"	6"
500	6"	6"	4"
450	6"	6"	4"
400	4"	4"	4"
300	4"	4"	3"
250	4"	3"	3"
200	3"	3"	2.5"
150	2.5"	2.5"	2.5"
100	2"	2"	2.5"
50	2"	2"	2"

CUSTOMER CONNECTION LIST	
LEGEND	DESCRIPTION
A	SUCTION, GROOVED
B	DISCHARGE, GROOVED
C	HOSE HEADER, GROOVED
D	CASING RELIEF VALVE, 3/4" FNPT
E	FIRE PUMP CONTROLLER INCOMING ELECTRICAL
F	JOCKEY PUMP CONTROLLER INCOMING ELECTRICAL

- NOTES:
- DIMENSIONS ARE IN INCHES AND MAY VARY  $\pm 1/2"$ .
  - OVERALL DIMENSIONS MAY VARY DEPENDING ON THE CONTROLLER SELECTION BY CUSTOMER.
  - \*\* DIMENSION TABLE VALUES IN PARENTHESES ( ) DENOTE THE PIPE PROJECTION OVERHANGS SKID.
  - STRUCTURAL STEEL BASE TO BE GROUTED ON SITE BY OTHERS.
  - TAMPER SWITCHES TO BE WIRED TO CUSTOMER ALARM BY OTHERS.
  - ALL PIPES ARE OF SCHEDULE 40 STEEL PAINTED RED PER AURORA OR FBN STD 668.
  - ALL PUMP AND PIPING DRAINS TO BE PIPED TO CUSTOMER SUPPLIED DRAIN LOCATION BY OTHERS.
  - REFER TO SPECIFIC CONTROLLER MANUFACTURERS LATEST DIMENSIONAL DRAWINGS FOR ALTERNATE STARTING METHODS AND TRANSFER SWITCH.
  - FOR MAXIMUM CONTROLLER SIZE REFER "MAXIMUM CONTROLLER DIMENSION" TABLE.
  - ALL PIPE AND FITTING CONNECTIONS ARE GROOVED.

PART LIST	
LEGEND	DESCRIPTION
1	IN-LINE FIRE PUMP
2	FIRE PUMP CONTROLLER
3	OS&Y GROOVED GATE VALVE WITH TAMPER SWITCH
4	BUTTERFLY ISOLATION VALVE WITH TAMPER SWITCH
5	GROOVED CHECK VALVE
6	SUCTION AND DISCHARGE GAUGES
7	CASING RELIEF VALVE
8	JOCKEY CONTROLLER
9	PVM MULTISTAGE JOCKEY PUMP
10	1/2" PRESSURE SENSING LINE
11	AUTOMATIC AIR RELEASE VALVE (WITH TEST LOOP ONLY)
12	GROOVED FLOWMETER
13	SYSTEM MOUNTING STRUCTURAL BASE
14	JOCKEY RELIEF VALVE (OPTIONAL; NOT SHOWN)

ANCHOR BOLTS				
FLOW	K	L	M	N
50-200	40.5	40.5	6.4	93.6
250-400	46.3	46.3	9.9	108.6
450-750	50	50	12.9	119.1

MAXIMUM CONTROLLER DIMENSION		
FLOW	DEPTH	WIDTH
50-200	16	45
250-400	16	53
450-750	16	60

				MATERIAL:			
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A		ALL		07/28/16		INITIAL RELEASE	
REV	ZONE	DATE	REVISION	DESCRIPTION	BY	CK'D	
STANDARD TOLERANCES UNLESS OTHERWISE SPECIFIED.				DO NOT SCALE DRAWING			
PLOT SCALE 1:16				PATTERN NUMBER			
-				D			
295 0032 000				A			
CPT'S FAIRBANKS NJ/HUIS				L-R WITH TEST LOOP & JOCKEY PUMP			
DRAWN BY		DATE		CHECKED BY		APPROVED BY	
SK		07/28/16		VN		MH	