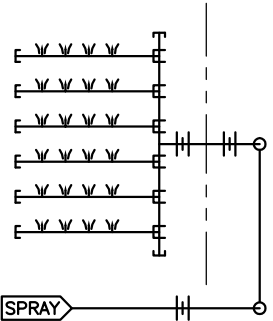
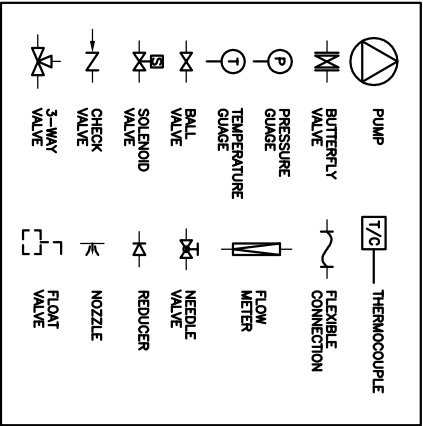


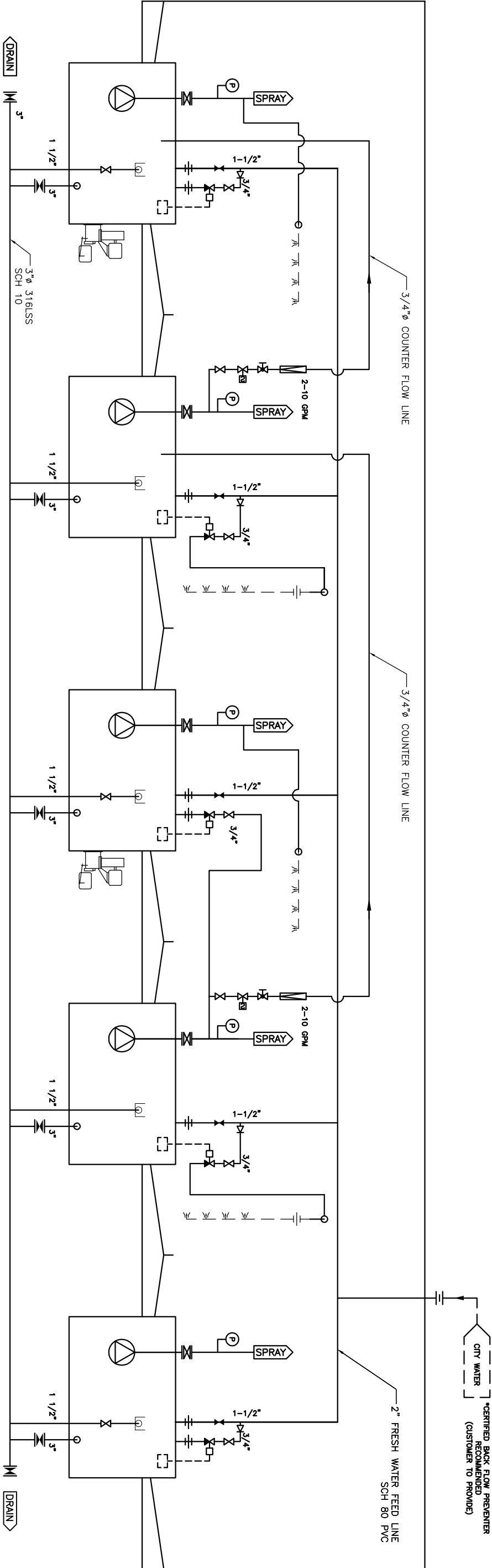
FLOW CHART – DESIGN SPECIFICATION (8 FPM DESIGN SPEED)													
STAGE	LENGTH	TIME (SEC)	TEMPERATURE (°F)	NOZZLE PRESSURE (PSI)	NOZZLE TYPE AND SIZE	NOZZLE GPM	SETS OF RISERS	RISER SPACING	NOZZLES PER SET	TOTAL NOZZLES	SOURCE	PUMP RATING	TANK CAPACITY (GALLONS)
APPROACH	6'-0"	45											
WASH	12'-0"	90	150°	20	CLIP-EYELET CT6550-PP, FLAT SPRAY	3.5	13	12"	14	182	WASH PUMP	650 GPM @ 80 FT – 15 HP	2,000
DRAIN	8'-0"	60		20	CLIP-EYELET CT6550-PP, FLAT SPRAY	3.5	1	—	14	14	WASH PUMP		
RINSE #1	8'-0"	60	AMBIENT	20	CLIP-EYELET CT6560-PP, FLAT SPRAY	3.5	9	12"	14	126	RINSE #1 PUMP	450 GPM @ 60 FT – 10 HP	1,350
DRAIN	8'-0"	60		10	PROMAX QPMA-2.8, WHIRLET	.28	1	—	6	6	FRESH WATER	1.68 GPM	
IRON PHOSPHATE	12'-0"	90	140°	20	CLIP-EYELET CT6560-PP, FLAT SPRAY	3.5	13	12"	14	182	PHOSPHATE PUMP	650 GPM @ 80 FT – 15 HP	2,000
DRAIN	8'-0"	60		20	CLIP-EYELET CT6560-PP, FLAT SPRAY	3.5	1	—	14	14	PHOSPHATE PUMP	(0.2 GPM/NOZ @ 40 PSI)	
RINSE #2	8'-0"	60	AMBIENT	20	CLIP-EYELET CT6560-PP, FLAT SPRAY	3.1	9	12"	14	126	RINSE #2 PUMP	400 GPM @ 80 FT – 10 HP	1,200
DRAIN	8'-0"	60		10	PROMAX QPMA-2.8, WHIRLET	.28	1	—	6	6	FRESH WATER	1.68 GPM	
SEAL	8'-0"	60	AMBIENT	20	CLIP-EYELET CT6560-PP, FLAT SPRAY	3.1	9	12"	14	126	SEALER PUMP	400 GPM @ 80 FT – 10 HP	1,200
EXIT & DRAIN	6'-0"	45											



TYPICAL STAGE



BY OTHERS — — —



STAGE #1
WASH

STAGE #2
RINSE #1

STAGE #3
IRON PHOS

STAGE #4
RINSE #2

STAGE #5
SEALER

A

B

C

D

A

B

C

D

A	L/16/06	CHANGED FLOW BACK & T03	jkelly
SERIAL# S-0545		WORK ORDER: 1546.1	

CONFIDENTIAL

CINCINNATI INDUSTRIAL MACHINERY

AN ARMOR METAL GROUP COMPANY

CINCINNATI, OHIO

TITLE FLOW SCHEMATIC

FOR MONESSSEN HEARTH SYSTEMS

DATE 02/21/2006

DWG. BY jkelly

SCALE 1/8"=1'-0"

DWG. NO. 1546-102

3RD ANGLE CHK. BY

ARMOR METAL GROUP

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8

7

6

5

4

3

2

1546-102

Flow Schematic