

M	CHANGE MATERIAL TO OPERATE AND SHUT DOWN WITH ALTERNATE SWING	EQ5200	ANC		2-7-23
L	ADD ALTERNATE MATERIAL, ADD CHAINS & HOOK	EQ4618-6	MFG		10-14-20
K	UPDATE TO 2019 HYDRANT REFRESH	EQ4689	JBC		2-18-20
J	REVISE DESCRIPTION TO 5/16" A19 MONITOR & UPDATE WARNINGS	EQ4041	ANC		12-13-16
H	REVISE ITEMS # 9, 24, 50		ANC		10-3-16
G	REVISE MATERIAL # 14,10,36		ANC		09-25-15
F	ADD DIMENSION FROM MONITOR FLAG TO BURY LINE		ANC		6-18-15
E	ADD DIMENSIONS & DETAIL FOR MONITOR FLAG		ANC		10-17-14
D	REVISE MATERIAL # 14,18,34 & 37		ANC		2-20-14
C	REVISE ITEMS # 11 & 29		ANC		1-17-12
B	REVISE ITEMS # 11 & 29		ANC		11-20-09
A	DESCRIPTION		REF.	DATE	

OPEN LEFT APPROXIMATELY 17 1/4 TURNS TO OPEN OP. NUT DIMENSIONS PER CUSTOMER SPECS. STANDARD 1-1/2 PENT.

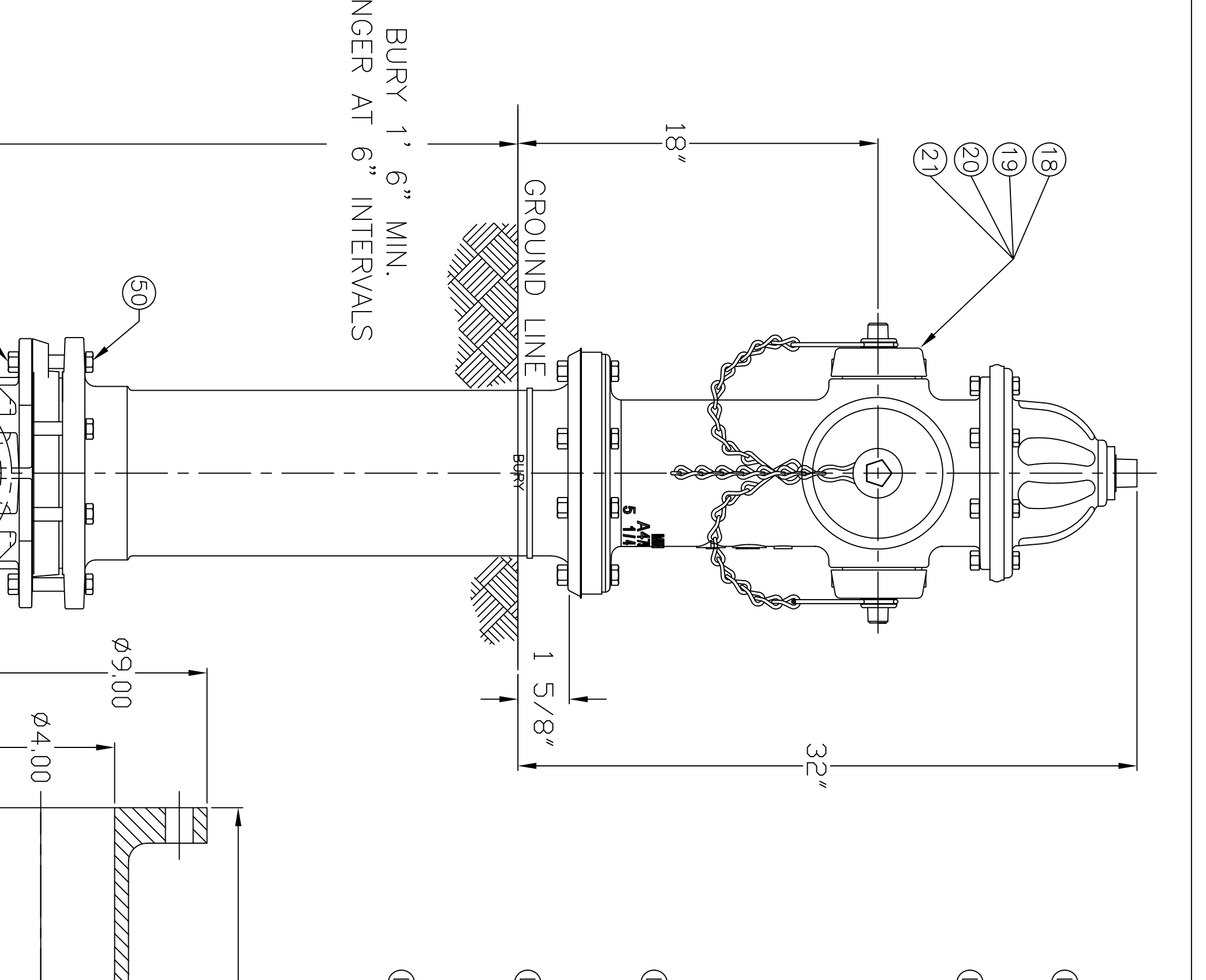
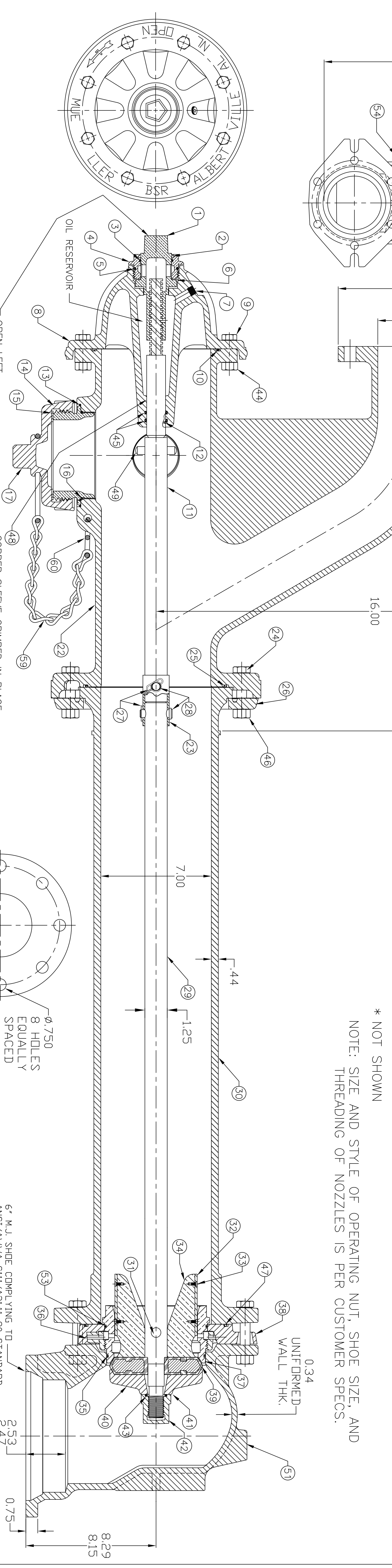
COPPER SLEEVE CRIMPED IN PLACE

Ø7.500 B.C.

MONITOR FLANGE DETAIL
4" ASME/ANSI B16.42 CLASS 150 FLANGE

UNITS	(UNLESS NOTED)	TOLERANCES - MACHINING	THIRD ANGLE PROJECTION
LENGTH	INCH	UNLESS OTHERWISE NOTED	
DIAMETER	INCH	FINISH SURFACES	
DRYER	SMC	MACH. 0.006/0.016	
APP	JMG	FRAGMENTS 2 PL ±0.025	
EO NUMBER		3 PL ±0.016	
SCALE		ANGLES ±1°	
REF. NO.			
SYMBOL			
REVISION			
NUMBER			
SHEET 1 OF 1			

MUELLER
DESCR. 5 1/4" A19 MONITOR HYDRANT
W/ TWO HOSE NOZZLES & ONE PUMPER
NOZZLE: 350PSI, 2019 STYLE



ITEM	DESCRIPTION	REQ'D	MATERIAL	AS.T.M.	CURRENT MATERIAL DESCRIPTION	ALTERNATE STANDARD
1	OPERATING NUT	1	BRONZE	B-62	ALLOY C83600	B-584 C87850 OR C87600
2	WIPER RING	1	RUBBER	D-2000	EPDM	
3	HOLD DOWN NUT O-RING	1	RUBBER	D-2000	BUANA N	
4	HOLD DOWN NUT	1	BRONZE	B-62	ALLOY C83600	B-584 C87850 OR C87600
5	BONNET O-RING	1	RUBBER	D-2000	BUANA N	
6	ANTI-FRICTION WASHER	1	CELCON		GRADE M90-04	
7	OIL FILLER PLUG	1	BRASS	B-16	ALLOY 360	
8	BONNET	1	CAST IRON	A-126	CLASS B	
9	HEX BOLT	8	STEEL	SAE J429	GR5 GALVANIZED	
10	TOP UPPER BARREL O-RING	1	RUBBER	D-2000	BUANA N	
11	UPPER STEM	1	CARBON STEEL	A-576	GR 11441	
12	STEM O-RING	1	RUBBER	D-2000	BUANA N	
13	NOZZLE LOCK	3	STAINLESS STEEL	A-276	305 OR 410	
14	PUMPER NOZZLE	1	BISMUTH BRASS	B-584	ALLOY C89833	B-584 C87850 OR C87600
15	PUMPER NOZZLE CAP GASKET	1	RUBBER	D-2000	NEOPRENE	
16	PUMPER NOZZLE O-RING	1	RUBBER	D-2000	BUANA N	
17	PUMPER NOZZLE CAP	1	CAST IRON	A-126	CLASS B	
18	HOSE NOZZLE	2	BISMUTH BRASS	B-584	ALLOY C89833	B-584 C87850 OR C87600
19	HOSE NOZZLE CAP GASKET	2	RUBBER	D-2000	NEOPRENE	
20	HOSE NOZZLE O-RING	2	RUBBER	D-2000	BUANA N	
21	HOSE NOZZLE CAP	2	CAST IRON	A-126	CLASS B	
22	UPPER BARREL	1	DUCTILE IRON	A536	65-45-12	
23	TRAFFIC FLANGE COUPLING	1	STAINLESS STEEL	A-890	1.5% SILICON MAX.	GR 70-50-05
24	TRAFFIC FLANGE BOLT	8	STEEL	SAE J429	GR5 GALVANIZED	
25	TRAFFIC FLANGE O-RING	1	RUBBER	D-2000	BUANA N	
26	TRAFFIC FLANGE	1	CAST IRON	A-126	CLASS B	

ITEM	DESCRIPTION	REQ'D	MATERIAL	AS.T.M.	CURRENT MATERIAL DESCRIPTION	ALTERNATE STANDARD
27	REUSABLE COTTER PIN	2	STAINLESS STEEL	A-276	18-8	
28	CLEVIS PIN	2	STAINLESS STEEL	A-276	300 SERIES	
29	LOWER STEM	1	CARBON STEEL	A-576	GR 11441	
30	LOWER BARREL	1	CAST IRON	A-126	CLASS B	
31	STEM PIN	1	STAINLESS STEEL	A-276	302	
32	DRAIN VALVE FACING	2	H.D. POLYETHYLENE	US 5660-00		
33	DRAIN VALVE FACING SCREW	4	STAINLESS STEEL	A-276	300 SERIES	
34	UPPER VALVE PLATE	1	BISMUTH BRASS	B-584	ALLOY C89833	B-584 C87850 OR C87600
35	BOTTOM SEAT O-RING	1	RUBBER	D-2000	BUANA N	
36	DRAIN RING	1	BRONZE	B-62	ALLOY C83600	B-584 C87850 OR C87600
37	SEAT RING	1	BISMUTH BRASS	B-584	ALLOY C89833	B-584 C87850 OR C87600
38	DRAIN RING HOUSING	1	CAST IRON	A-126	CLASS B	
39	ENCAPSULATED MAN VALVE	1	RUBBER	D-2000	NATURAL	
40	LOWER VALVE PLATE	1	CAST IRON	A-126	CLASS B	
41	LOCK WASHER	1	STAINLESS STEEL	A-276	304	
42	VALVE NUT	1	CAST IRON	A-126	CLASS B	
43	VALVE NUT SEAL	1	RUBBER		NATURAL	
44	HEX NUT	8	STEEL	SAE J995	GR8 GALVANIZED	
45	STEM O-RING	2	RUBBER	D-2000	BUANA N	
46	TRAFFIC FLANGE NUT	8	STEEL	SAE J995	GR5 GALVANIZED	
47	DRAIN RING HOUSING O-RING	1	RUBBER	D-2000	BUANA N	
48	SLEEVE	1	COPPER	B-75	ALLOY 122	
49	UPPER STEM PIN	1	STAINLESS STEEL	A-276	303	
50	HEX BOLT	6	DUCTILE IRON	A536	GR 65-45-12	GR 70-50-05
51	SHOE	1	CAST IRON	A-126	CLASS B	
52	PRE GLAND	1	RUBBER	D-2000	BUANA N	
53	TOP SEAT O-RING	1	RUBBER	D-2000	BUANA N	
54	HEX NUT	6	STEEL	SAE J995	GR5 GALVANIZED	
55	MECH. JOINT GASKET	1	RUBBER	D-2000	NATURAL	
56	T-HEAD BOLT	6	STEEL	A-242	TYPE 1	A-588
57	HEX NUT	6	STEEL	A-242	TYPE 1	A-588
58	BURY TAG	1	STAINLESS STEEL	A-240	304	
59	CAP CHAIN	3	STEEL			
60	CHAIN S HOOK	1	STEEL			

* NOT SHOWN
NOTE: SIZE AND STYLE OF OPERATING NUT, SHOE SIZE, AND THREADING OF NOZZLES IS PER CUSTOMER SPECS.

6" M.J. SHOE COMPLYING TO ANSI/AWWA C111/A2111-90 STANDARD

0.34 UNIFORMED WALL THK.

8.29 8.15 0.75 2.53 2.47