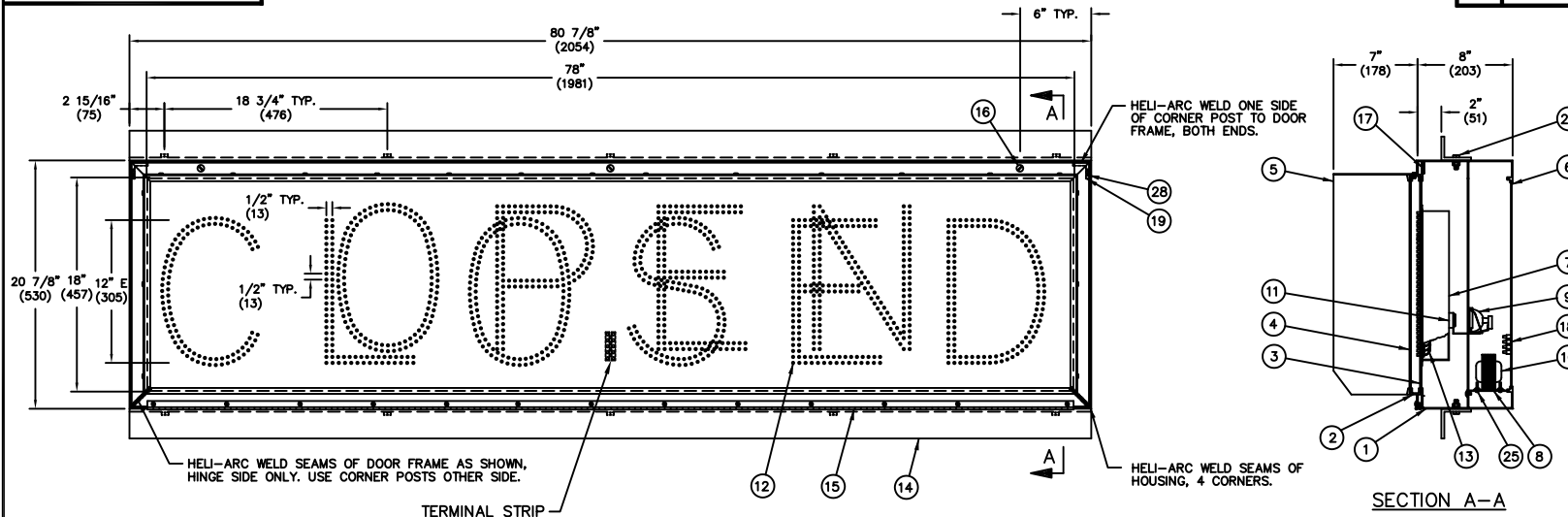


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LTR	REVISIONS	DATE
A	CHANGED EXTERIOR PAINT FINISH (NOTE 11)	04/14/03



* * * ITEMS NOT PICTURED IN DRAWING

NO.	PART DESCRIPTION	REQD
1	HOUSING, .125\" (3 MM) EXTRUDED ALUM.	1
2	DOOR FRAME, .125\" (3 MM) EXTRUDED ALUM.	1
3	FACEPLATE, .125\" (3 MM) ALUM.	1
4	MATTE/CLEAR POLYCARBONATE LENS, .125\" (3 MM) THK.	1
5	VISOR, .063\" (1.5 MM) ALUM.	1
6	BACK PLATE, .063\" (1.5 MM) ALUM.	1
7	OPTIC ENCLOSURE, .063\" (1.5 MM) ALUM.	1
8	TRANSFORMER SHELF, .063\" (1.5 MM) ALUM.	1
9	QUARTZ HALOGEN LAMPS, Q50MR16 50W.	14
10	TRANSFORMER, 120 VAC PRI., 10.8 VAC SEC.	14
11	COMMONS (LIGHT INPUT), ALUM.	14
12	END TIPS (LIGHT OUTPUT), NYLON	1209
13	FIBER OPTIC GLASS BUNDLES, .068\" DIA.	1213
14	MOUNTING ANGLE, 2 1/2\" x 2 1/2\" x 1/4\" ALUM	2
15	CONTINUOUS HINGE, 1 1/4\" (OPEN), S.S.	1
16	1/4-TURN AIR-LOC FASTENERS	3
17	NEOPRENE GASKET, 1\" (25 MM) x 3/16\" (4 MM)	1
18	TERMINAL BLOCK (4 P.T.)	1
19	CORNER POSTS, ALUM.	2
20	5/16\" x 1 1/4\" S.S. HEX HEAD MACHINE BOLT	10
21	5/16\" S.S. HEX NUT	10
22	5/16\" S.S. FLAT WASHER	10
23	5/16\" S.S. BONDED SEAL WASHER	10
24	5/16\" S.S. LOCKWASHER	10
25	8-32 X 3/4\" S.S. ROUND HEAD MACHINE SCREW	40
26	8-32 S.S. HEX NUT	80
27	8-32 S.S. LOCK WASHER	40
28	#8 X 5/16\" S.S. SLOTTED HEX HEAD INDENTED SHEET METAL SCREWS	400
29	#10 X 1/2\" S.S. PAN HEAD SHEET METAL SCREWS	2
30	1/8\" POP RIVETS, S.S.	12
31	3/16\" MACHINE RIVETS, ALUM.	13

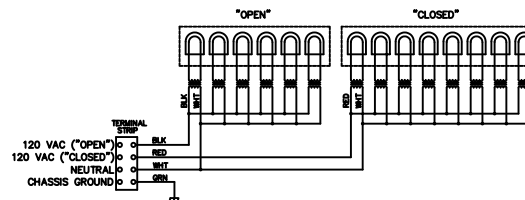
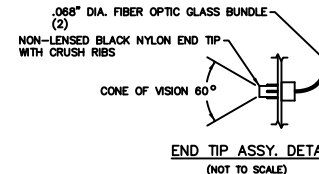
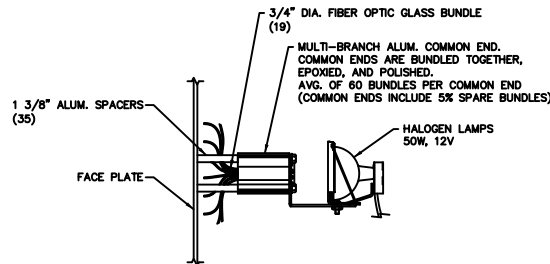
NOTES:

- LEGEND SHALL BE 12\" SERIES E LETTERS FORMED BY DUAL ROWS OF FIBER OPTIC BUNDLES SPACED AT 1/2\" O.C. (NOMINAL). AND SHALL COMPLETELY BLANK-OUT WHEN NOT ACTIVATED.

2. MESSAGE AND COLOR DISPLAYS:



- FIBER OPTIC BUNDLES SHALL ALTERNATE BETWEEN TWO OR MORE LAMP SOURCES SO THAT IN THE EVENT OF A LAMP FAILURE THE SIGN SHALL CONTINUE TO DISPLAY A DISCERNIBLE AND READABLE MESSAGE.
- MESSAGE SHALL BE VISIBLE ANYWHERE WITHIN A 60 DEG. CONE CENTERED ABOUT THE OPTIC AXIS.
- WHEN NOT ENERGIZED, SIGN SHALL BLANK OUT WITH NO PHANTOM IMAGES.
- NON-JACKETED GLASS FIBER BUNDLES SHALL BE ENCLOSED IN A .020\" ALUMINUM ENCLOSURE.
- DOOR SHALL BE HINGED AT THE BOTTOM, AS SHOWN. CABLES SHALL BE PROVIDED TO HOLD THE DOOR IN THE OPEN POSITION FOR SERVICING.
- SIGN SHALL BE FULLY GASKETED AND WATERTIGHT.
- SIGN SHALL BE EQUIPPED WITH FOUR 3/16\" DIA. DRAIN HOLES LOCATED IN THE LOWER CORNERS OF THE HOUSING.
- HOUSING TO BE FIELD DRILLED FOR POWER AND CONTROL.
- ENTIRE HOUSING ASSY. SHALL BE ACID ETCHED AND PAINTED WITH TWO COATS OF ZINC-CHROMATE PRIMER. DOOR FRAME, FACE PLATE, AND INTERIOR OF HOUSING AND VISOR SHALL BE PAINTED WITH TWO COATS OF NON-REFLECTIVE FLAT BLACK ENAMEL. EXTERIOR OF HOUSING SHALL BE PAINTED WITH TWO COATS OF FLINT GRAY ENAMEL (SHERWIN WILLIAMS #4019).
- VALUES IN PARENTHESIS REPRESENT MILLIMETERS.
- APPROXIMATE WEIGHT - 160LBS. (72KG)



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS HAVE A TOLERANCE OF: ± 1/4\" (6 MM)

DRAWN BY: D.B.
DATE: 10/09/02
OUR JOB NO.: #4571
PROJECT/CUST.: WEIGH STATION PROJECT (METTLER-TOLEDO P.O. #960124-431)

NATIONAL SIGN AND SIGNAL
301 S. ARMSTRONG RD BATTLE CREEK, MI 49015

TITLE: MODEL #7818FOOC
78\" x 18\" 2M/1W FIBER OPTIC BLANK-OUT SIGN
SCALE: 1:10
REVISION: A
SIZE: B
DRAWING NO.: B6147-381