MOUNTAIN STATES LIGHTING
LED FIXTURE
#MSL8512-238-BK

FINISH BLACK

MOUNTAIN STATES LIGHTING POLE
16" DH/12" AG RTS/3-3.25/16" VIRGIN NAME-HH-GL-BK
PULL 12' ABOVE GRADE (16' OVERALL)
SHAFT: TAPERED STEEL
MIN 8 EPA, DIRECT BURIAL TYPE

MOUNTAIN STATES LIGHTING DECORATIVE BASE
22" H x 16" W VIRGIN HERRIMAN HH/GL/BK
POLYURETHANE 1/2" MIN. THICKNESS
WITH "HERRIMAN" NAME SAME COLOR AS POLE
CONCRETE MDW STRIP

COLD TAR EPOXY COATING
UNDERGROUND PORTION OF POLE
4" MINIMUM
WIREWAY HOLE

16'
22"
TOWN CENTER POST TOP STREET LIGHT

**Fixture by Mountain States Lighting**

- Model: MMSLB51ECO-238-BK

**Pole by Mountain States Lighting**

- Material: Expanded Aluminum
- Length: 16'
- Base Plate: To be coated with zinc cold galvanizing compound
- Hand Hole: Located behind 2-piece base

**Base by Mountain States Lighting**

- Material: High-Density Concrete Decorative Base
- Foot Height: 48 in per cubic foot
- Painted Black with Hermann Oil in Silver
- Post: Flexible over time w/Max Absorption
- Base to be an average of 5/8" thick

**Anchor Base Detail**

- Anchor: 811-19 3/4" x 18"

**Decorative Base**

- Enlarged Detail
- **Fixture by Mountain States Lighting**
  
  **#MSL8912CG-238-BK**

- **Pole by Mountain States Lighting**
  
  8' Extruised Aluminum
  
  Painted with the first 16' of pole & base plate to be coated with zinc cold galvanizing compound
  
  Hand hole located behind 2-piece base

- **Base by Mountain States Lighting**
  
  Part #: FRANK-15" x 34"-HDBL-BK
  
  High density elastomer decorative base, density of 7lbs per cubic foot, painted black with "Herriman" logo in silver (stays flexible over time w/max adhesion)
  
  Base to be an average of 5/8" thick

- **Anchor Base Detail**
  
  8" Bolt circle
  
  Anchor bolts: 3/4" x 18"
POLYURETHANE FINIAL

120 VOLT DUPLEX
PLUG-IN RECEPTACLE

MOUNTAIN STATES LIGHTING
HORIZ-TECK WITH
ROD-45BK PROTOCELL
(TYPICAL 2)

FEATURES BY
MOUNTAIN STATES LIGHTING
HRLS879834-2K
(TYPICAL OF 2)

SLOTTED BANNER PLATE DETAIL

SLOTTED BANNER PLATE

ANCHOR BASE DETAIL
12" BOLT CIRCLE
ANCHOR BOLTS: 3/4" x 18"

3" X 5" HANDHOLE W/ GROUND LUG
LOCATED BEHIND DECORATIVE BASE

MOUNTAIN STATES LIGHTING DECORATIVE BASE
22" DIA X 39" HIGH MADISON BASE
HIGH DENSITY ELASTOMER, 1/2" MIN. THICKNESS
WITH "HERRIMAN LOGO" PAINTED BLUE
CAST INTO TOP RING

38"
8.5"
12"

ANCHOR BASE DETAIL
12" BOLT CIRCLE
ANCHOR BOLTS: 3/4" x 18"

22"

MOUNTAIN STATES LIGHTING POLE
207PR-78/44/S3A/18'QR/44SBA-
30'/PLUG-2P MAD-BLACK
SHAFT TAPERED FLUTED STEEL
MINIMUM 16 EPA @ 80 MPH, 1.3 GF

HERRIMAN CITY
ENGINEERING DEPARTMENT
STREET LIGHTING
DOUBLE COMMERCIAL STREET LIGHT STANDARD
FINISH BLACK

MOUNTAIN STATES LIGHTING
HEMI-100W WITH
RB8645K PHOTOCELL
(TYPICAL 2)

FIXTURE BY
MOUNTAIN STATES LIGHTING
(TYPICAL 2)

120 VOLT SURFACE PLUG-IN RECEPTACLE
MOUNTED AT 10’

SOLID METAL
BASE’S BASE
8-7/8” X 8-7/8”
W/ ELASTOMER BALL
(TYPICAL 47)

WOLTS WITH LOCK WASHERS

SLOTTED BANNER PLATE WELDED TO POLE

SLOTTED BANNER PLATE
BANNER ARM ATTACHMENT DETAIL

POLE BY MOUNTAIN STATES LIGHTING
PARTICLE CROSS-VENTILATED SHROUD CROSS-22” Maddox-3K
FINISH WITH FLAT WAX
IN WHITE AND BARN-PLATTE 1 BK
FINISH WITH INITIAL ZINC PLATING
MIN. EPA DP 10 IN 80 MPH ZONE (+3姜T FACTOR)

BASE BY MOUNTAIN STATES LIGHTING
HIGH DENSITY ELASTOMER RECUMBENT
BASE, WEIGHT OF 7.4 LBS PER CYLINDER FOOT.
PAINTED BLACK WITH A MODIFIED
BOLTED IN-PLACE LUG INSTALLATION
STATS ELABORATE DURATION TIME W/MAX ADHESION
HANDBGRENF FREEZER TWO-PIECE BASE

ANCHOR BASE DETAIL
12” BOLT CIRCLE
ANCHOR BOLTS: 1” X 36”

HERRIMAN CITY
ENGINEERING DEPARTMENT
STREET LIGHTING
25’ DOUBLE ARM RETAIL POLE

SL-04A
HERRIMAN CITY
ENGINEERING DEPARTMENT
STREET LIGHTING
SL-05

RETAIL SINGLE SHEPARD HOOK

OPTICAL SYSTEM: FLAT ARRAY, FLAT LENS
TYPE III
IES LMG CLASS: 100W (7030 SERIES)
WATTAGE: SOLID STATE LIGHTING
SERIES: 2127030
CCT: 4000K
LINE VOLTAGE: 120-277 V
PAINT: TEXTURED BLACK
OPTIONS: MSL - LEVELING DEVICE
OPTIONS: QUICK DISCONNECT

FIxTURE BY: MOUNTAIN STATES LIGHTING

MOUNTAIN STATES PILE:
- 12' GALV. steel
- 4' x 4' STRAIGHT STEEL
- TOTAL WHT. 4' x 4' STRAIGHT STEEL
- P/W Min 16 in 60 MPH Zone (.3 gust factor)

ANCHOR BASE DETAIL:
- 12" BOLT CIRCLE
- ANCHOR BOLTS: 3/4" x 18"

FINISH:
- BLACK
HERRIMAN CITY
ENGINEERING DEPARTMENT
STREET LIGHTING
SL-05A

OPTICAL SYSTEM:
FLAT ARRAY, FLAT LENS

WATTAGE:
100W (7030 SERIES)

SERIES:
TYPE III

LINE VOLTAGE:
120-277 V

PAINT:
TEXTURED BLACK

OPTIONS:
MSL - LEVELING DEVICE

QUICK DISCONNECT

FINISH:
BLACK

MOUNTAIN STATES LIGHTING

ANCHOR BOLT DETAIL

MOUNTAIN STATES RETAIL DOUBLE SHEPARD HOOK

ANCHOR BOLT: 3/4" X 10"
LEGEND

- STREET LIGHT
- FIRE HYDRANT

PRIOR TO INSTALLATION, STREET LIGHT LAYOUT IS TO BE FIELD ENGINEERED.
RESIDENTIAL

UTILITY CO. PEDESTAL OR TRANSFORMER

DETAIL-RESIDENTIAL BRANCH CIRCUIT TRENCH

A

SL-07

B

DETAIL-JUNCTION BOX WITH FUSE

SL-08

10 FT. MAX. FROM POWER PEDESTAL

DIRECT BURIAL CABLE

A

DETAIL-RESIDENTIAL STREET LIGHT

SL-08

SEE NOTE 2 FOR PAVED TRENCH REPAIR

MAGNETIC MARKER TAPE

BACKFILL

DIRECT BURIAL CABLE

WATER LINE

A

DETAIL-RESIDENTIAL BRANCH CIRCUIT TRENCH

SCALE: NO SCALE

NOTES:

1. ALL RESIDENTIAL STREET LIGHT CABLE SHALL BE DIRECT BURIAL CABLE.

2. TRENCH REPAIR IN A ROAD WAY OR PAVED TRAIL IS TO BE REPAIRED AS PER HERRIMAN CITY EXCAVATION PERMIT SPECIFICATION.

3. ALL LANDSCAPE AND IRRIGATION IS TO BE REPAIRED TO ORIGINAL CONDITION OR BETTER.

4. IN ROCKY SOIL MAY NEED FILL OR SAND.
DETAIL-RESIDENTIAL STREET LIGHT

SCALE: NO SCALE

SEE NOTES ON SL-08A
NOTES:

1. ALL COMMERCIAL STREET LIGHT CABLE SHALL BE DIRECT BURIAL CABLE IN CONDUIT 2" MINIMUM SCHEDULE 40 GRAY NON-CONDUCTIVE PVC.

2. IF TRENCH REPAIR IS IN A ROADWAY OR PAVED TRAIL THE REPAIR WILL BE AS PER HERRIMAN CITY EXCAVATION PERMIT SPECIFICATION.

3. INGROUND BOXES LOCATED WITHIN 20' OF APPROACHES AND INTERSECTIONS SHALL BE CARSON H SERIES H1324.

SCALE: NO SCALE
**A** DETAIL-SPLICE BOX
SCALE: NO SCALE

- HOT LEG
- HOT LEG
- NEUTRAL
- GROUND WIRES
- BOX TYPE: CARSON H-1118-12
- LID: CARSON H-1118-P1
- WITH "STREET LIGHT" ON LID
- RAB 350 SERIES CONNECTOR
- GROUND ROD 5/8" X 10"
- FUSES AND HOLDERS ON LOAD SIDE

**B** DETAIL-JUNCTION BOX
SCALE: NO SCALE

- HOT LEG
- HOT LEG
- NEUTRAL WIRES
- GROUND WIRES
- BOX TYPE: CARSON H-1118-12
- LID: CARSON H-1118-P1
- WITH "STREET LIGHT" ON LID
- GROUND ROD 5/8" X 10"
- FUSES AND HOLDERS ON LOAD SIDE

**C** DETAIL-POLE SPACING FROM FACE OF CURB
SCALE: NO SCALE

- 4" 30" MIN
- PHOTOCCELL RECEPTACLE

**D** DETAIL- COMMERCIAL PLUMBIZER WIRING DIAGRAM
SCALE: NO SCALE

PLUMBIZER NOTES:
1 - THE RED WIRE FEEDS 120V TO BOTH FIXTURE AND OUTLET FROM PHOTOCELL RECEPTACLE. WHEN THE PHOTOCELL SWITCHES ON THE SECOND 120V IS SENT TO THE FIXTURE AND THE 120V PLUG-IN RECEPTACLE ON THE POLE.
2 - ON THE 120V RECEPTACLE LOCATED ON THE POLE, THE NEUTRAL GOES TO THE RECEPTACLE.

SEE NOTES ON SL-11A

HERRIMAN CITY
ENGINEERING DEPARTMENT
STREET LIGHT
ARTERIAL STREET LIGHT WIRING DETAIL

BLK 120V)
RED(120V)
GN(NEUTRAL)
SPLICE
SPLICE
SPLICE
SPLICE
3 PRONG MALE DISCONNECT TO FIXTURE
NOTES:

1. CONTRACTOR SHALL FOLLOW HERRIMAN CITY INSTALLATION AND INSPECTION PROCEDURE FOR LIGHT POLES AND LIGHT FIXTURES BEFORE ACCEPTANCE.

2. ARTERIAL LIGHT POLES SHALL BE LOCATED AS INDICATED ON THE APPROVED LIGHTING SITE PLAN, AND INSTALLED AS DESCRIBED IN THE CITY STANDARDS.

3. EACH COMMERCIAL LIGHT SHALL HAVE A JUNCTION BOX WITH COVER MARKED "STREET LIGHTING" WITH FUSES.

4. SUPPLY SPLICE KIT FOR NEUTRAL WIRE.

5. INSTALL GRAY NON-CONDUCTIVE PVC CONDUITS WITH 24" COVER AND SAND BEDDING.

6. CONTRACTOR TO INSTALL METER CABINET WITH BREAKER PANEL. BOX TO BE LOCATED MIN. 8' FROM UTILITY CO. TRANSFORMER OR SECONDARY BOX (SEE DETAIL SL-12).

7. BALANCE LOADS ACROSS PHASES FOR 120 V RECEPTACLES.

8. VIBRATED 4000 PSI CONCRETE @ 28 DAYS (6.5 CITY MIX).

9. ANY DISTURBED MATERIAL WITHIN 8' OF POLE FOUNDATION SHALL BE COMPACTED TO 90% OR GREATER.

10. UNDISTURBED NATIVE GRAVEL-SANDY GRAVEL ASSUMED. IF DIFFERENT, CONTACT CITY ENGINEER.

11. USE A 30" DIA. SONO TUBE.

12. ELECTRONIC AS-BUILTS MUST BE SENT AS AUTO CAD DWG OR ESRI SHAPEFILE.

13. GROUND AND NEUTRAL SHALL BE SEPARATE.

14. MAINTAIN 3" CLEARANCE ON ALL SIDES OF REBAR.

15. FIELD AS-BUILTS BY CONTRACTOR.

16. LOAD SCHEDULE (COPY GIVEN TO BUILDING DEPARTMENT).

17. FIVE DAY BURN TEST AND REMOVAL OF TAPE.

18. IF DEPTH CANNOT BE MET, MASS MUST BE EQUIVALENT TO MASS AS SHOWN.

19. REBAR AND TRENCH MUST BE INSPECTED PRIOR TO CONCRETE POUR.

20. ALL SPECIFICATIONS FOR WIRE, CONDUIT, FUSE KITS, SPLICE KITS, JUNCTION BOXES AND CONNECTORS MUST BE SUBMITTED TO THE CITY INSPECTOR FOR APPROVAL PRIOR TO ANY WORK BEING PERFORMED.

21. ALL CONDUCTORS SHALL BE TYPE TC-CABLE #112-10-4054 COPPER ONLY.
5/8" X 10' STANDARD GROUND ROD. PLACE 4" ABOVE CONCRETE.

UTILITY TEST SECTION

LINE ACCESS COVER
METER SOCKET TO CONFORM WITH LOCAL CODES

POURED CONCRETE BASE 6" MIN. THICKNESS. EXTEND CONCRETE 6" BEYOND OUTSIDE ENCLOSURE WITH 1/2% SLOPE FOR DRAINAGE.

CUSTOMER ENCLOSURE
CUSTOMER SIDE
CIRCUIT BREAKERS
UTILITY SERVICE

CONCRETE FOUNDATION

CUSTOMER SIDE ENCLOSURE
FRONT 16" 18"
30" 28"

BASE IN FOUNDATION
6" SIDE CLEARANCE RECOMMENDED

36" MIN. CLEARANCE FOR UTILITY REQUIRED

A DETAIL-METER HOUSING PAD
SCALE: NO SCALE

B DETAIL-STAINLESS STEEL METER HOUSING FRONT VIEW
SCALE: NO SCALE

HERRIMAN CITY ENGINEERING DEPARTMENT STREET LIGHT STAINLESS STEEL METER HOUSING DETAIL
SL-12
ENCLOSURE SB-1852SS
TIME CLOCK
PHOTO ELECTRIC CELL
LOAD CENTER COMPARTMENT
CONTACT BLOCKS 3 BLOCKS
30"
$\frac{3}{8}$ STAINLESS ANCHOR BOLTS
QUICK PAD MOUNTING BASE
FINISH GRADE

IRRIGATION POWER CONDUIT
UTILITY SERVICE CONDUIT
LOAD CENTER CONDUIT
LOAD CENTER CONDUIT

CUSTOMER LOAD CONDUIT
GROUND ROB
STAINLESS BASE IN CONCRETE
6" MIN.
FINISHED FOUNDATION

DETAIL-STAINLESS STEEL METER HOUSING SIDE VIEW
SCALE: NO SCALE

18"
2.5"
30"

Part No. MPE-BASE
6 FOOT BANNER
SCALE: NO SCALE
FOR 25' AND 28' POLES

30" WIDE
3" SLEEVE

30" WIDE
3" SLEEVE

1" GROMMET

1" GROMMET

BANNER MATERIAL CAN BE EITHER MARINA ACRYLIC OR POLY VINYL FOR DIGITAL PRINT

3/4" HEM BOTH SIDES

GRAPHIC IMAGE WIDTH 24"

4 FOOT BANNER
SCALE: NO SCALE
FOR 14' TO 20' POLES

30" WIDE
3" SLEEVE

30" WIDE
3" SLEEVE

1" GROMMET

1" GROMMET

BANNER MATERIAL CAN BE EITHER MARINA ACRYLIC OR POLY VINYL FOR DIGITAL PRINT

3/4" HEM BOTH SIDES

GRAPHIC IMAGE WIDTH 24"

5 FOOT BANNER
SCALE: NO SCALE
FOR 20' TO 28' POLES

30" WIDE
3" SLEEVE

30" WIDE
3" SLEEVE

1" GROMMET

1" GROMMET

BANNER MATERIAL CAN BE EITHER MARINA ACRYLIC OR POLY VINYL FOR DIGITAL PRINT

1" GROMMET

1" GROMMET

3/4" HEM BOTH SIDES

GRAPHIC IMAGE WIDTH 24"

GRAPHIC IMAGE WIDTH 24"

BANNER MATERIAL CAN BE EITHER MARINA ACRYLIC OR POLY VINYL FOR DIGITAL PRINT

1" GROMMET

1" GROMMET

3/4" HEM BOTH SIDES

GRAPHIC IMAGE WIDTH 24"