

MPWF SERIES

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed, including the following:

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. DISCONNECT POWER TO ALL CIRCUITS BEFORE WIRING FIXTURE. INSTALL IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES. DO NOT CONNECT TO AN UNGROUNDED SUPPLY. READ ALL FIXTURE MARKINGS AND LABELS TO ENSURE CORRECT INSTALLATION OF FIXTURE. SUPPLEMENTAL INSTRUCTIONS MAY BE LOCATED ON THE FIXTURE, IN ADDITION TO THIS INSTRUCTION SHEET, REGARDING ORIENTATION, OR MOUNTING RESTRICTIONS.

SAVE THESE INSTRUCTIONS

Disconnect power to all circuits before wiring fixture.

1. Open fixture assembly by backing out three (3) screws at top of fixture approximately 1/4". Disconnect the supplied quick connect(s) between baseplate and fixture. Carefully remove baseplate.
2. Locate and drill pilot holes in mounting surface using baseplate as template. Note that baseplate is not universal and should be mounted with angled flange at bottom. Using six (6) #10 screws (supplied), mount baseplate to surface. Fixture should be mounted to surface with 6-point mounting. Do not mount fixture from electrical junction box. NOTE: To comply with OSHPD certification for this fixture, see wall structure and mounting specifications at the end of this document. When installed according to those instructions, the product will meet California Building Code requirements for seismic anchorage, as required by OSHPD (California's Office of Statewide Health Planning and Development).
3. Connect fixture leads to power supply leads using connectors suitable for the gage and number of wires being used (not included). Connections are to be made in the junction box, not the fixture. If low voltage controller option was ordered, refer to included supplemental wiring instructions. Otherwise, black and/or other colored leads connect to the supply conductor and white lead(s) connect to the neutral supply conductor. In all cases, grounding wire(s) must be connected to a suitable ground.
4. Reattach fixture to baseplate. Connect quick connect(s). Swing fixture closed and retighten screws. For MPWF fixtures, do not retighten center screw (with retainer) until after lamping fixture.
5. After fixture is securely fastened to baseplate, open lamping section. Remove labeled reflectors by removing center screws. Install lamps. Do not attempt to install lamps by removing either lens - this may result in damage to lens and/or fixture.

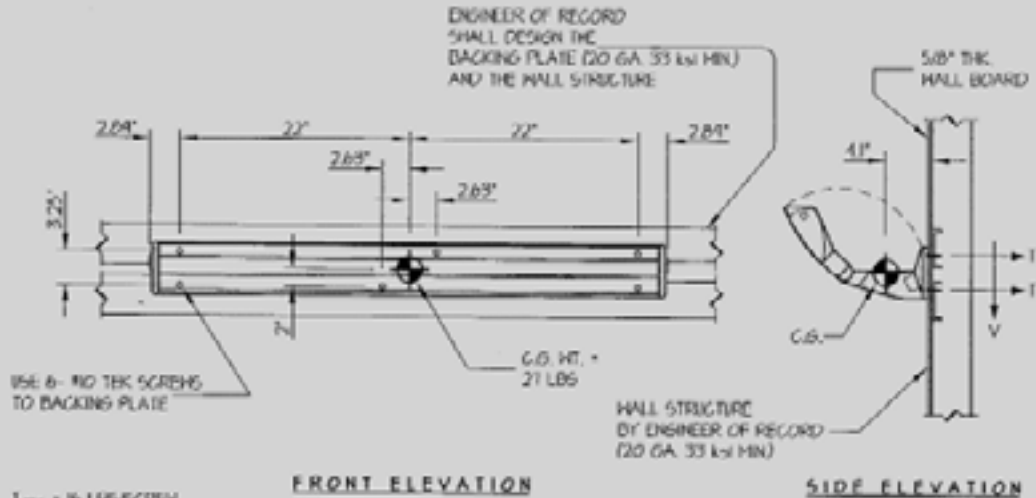
When installed according to these instructions, the product will meet California Building Code required for seismic anchorage, as required by OSHPD (California's Office of Statewide Health Planning and Development). The goal of these requirements is to ensure that California hospitals and nursing homes are safe in the event of an earthquake, and remain functional after such an event, to serve the needs of the community.



EASE EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.equipmentanchorage.com		
KENALL MANUFACTURING CO. INC.	DES. R. LA BRIE	SHEET 1
MEDMASTER MPWF SERIES	JOB NO. II-0783	OF 1 SHEET
	DATE 1/1/08	

SEISMIC ANCHORAGE

HALL MOUNTED



T_{max} = 16 LBS/SCREW
V_{max} = 9 LBS/SCREW

LOADS PER 2007 CALIFORNIA BUILDING CODE SECTION 1609A AND ASCE 7-05 SECTIONS 12 AND 13
 WEIGHT = 27 LBS
 HORIZONTAL FORCE (E_w) = 0.70 W₀ = 19 LBS
 VERTICAL FORCE (E_v) = 0.19 W₀ = 5 LBS
 #12 SM SCREWS TO 20 GAGE, 33 KSI
 T_{allow} = 95 LBS
 V_{allow} = 188 LBS

TENSION (T)

$$T_{WIND} = \frac{127# \cdot 5#(41")}{3 \text{ screws}(325)} = 3 \text{ LBS}$$

$$T_{WALL} = \frac{19#(41")}{2 \text{ screws}(44")} = 1.1 \text{ LBS}$$

$$T_{UP} = \frac{19#}{6 \text{ screws}} = 3.1 \text{ LBS}$$

$$T_{max} = 10# + \sqrt{T \cdot d} = 16 \text{ LBS/SCREW (MAX)}$$

SHEAR (V)

$$V_{max} = \frac{27# \cdot 5# + 19#}{6 \text{ screws}} = 9 \text{ LBS/SCREW (MAX)}$$

ARCHITECT OR STRUCTURAL ENGINEER OF RECORD SHALL PROVIDE SUPPORT STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN.



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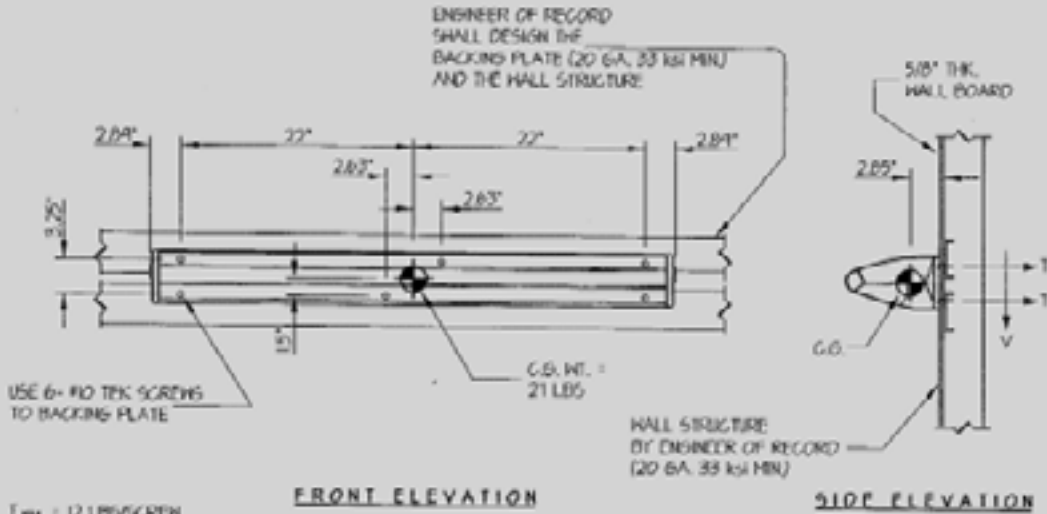
A brand of **Legrand**

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KENALL MANUFACTURING CO. INC. MEDMASTER MPW SERIES	DES. R. LA BRIE	SHEET 1
	JOB NO. II-0783	1
	DATE 1/1/08	OF 1 SHEET

SEISMIC ANCHORAGE

HALL MOUNTED



$T_{max} = 12 \text{ LBS/SCREW}$
 $V_{max} = 9 \text{ LBS/SCREW}$

LOADS PER 2007 CALIFORNIA BUILDING CODE SECTION 1603A AND ASCE 7-05 SECTIONS 12 AND 13
 WEIGHT = 27 LBS
 HORIZONTAL FORCE (E_d) = 0.70 W_h = 19 LBS
 VERTICAL FORCE (E_v) = 0.19 W_h = 5 LBS
 #12 18M SCREWS TO 20 GAGE, 33 KSI
 $T_{allow} = 96 \text{ LBS}$
 $V_{allow} = 88 \text{ LBS}$

TENSION (T)

$$T_{VERTICAL} = \frac{(27 \# \cdot 5 \#(2.89'))}{3 \#(20 \#(3.25'))} = 9 \text{ LBS}$$

$$T_{HORIZONTAL} = \frac{19 \#(2.89')}{2 \#(20 \#(4.4'))} = 1 \text{ LBS}$$

$$T_{FLEX} = \frac{19 \#}{6 \#(20 \#)} = 3 \text{ LBS}$$

$$T_{MAX} = 9 \# + \sqrt{1^2 + 3^2} = 12 \text{ LBS/SCREW (MAX)}$$

SHEAR (V)

$$V_{MAX} = \frac{27 \# \cdot 5 \# + 19 \#}{6 \#(20 \#)} = 9 \text{ LBS/SCREW (MAX)}$$

ARCHITECT OR STRUCTURAL ENGINEER OF RECORD SHALL PROVIDE SUPPORT STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN



CUSTOMER SERVICE

For technical assistance, call 1-800-4KENALL (1-800-453-6255).

WARRANTY

For warranty information visit www.kenall.com/Resources/Certified-Performance-Warranties

