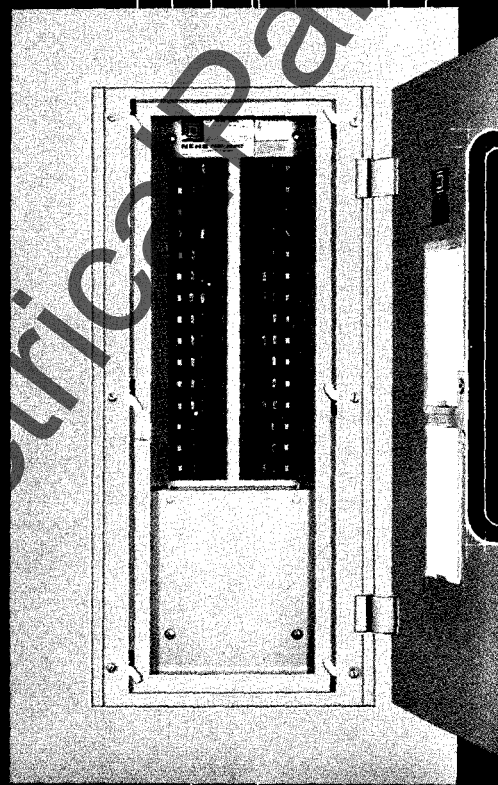


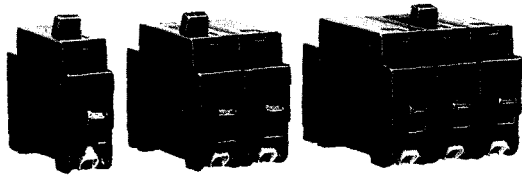
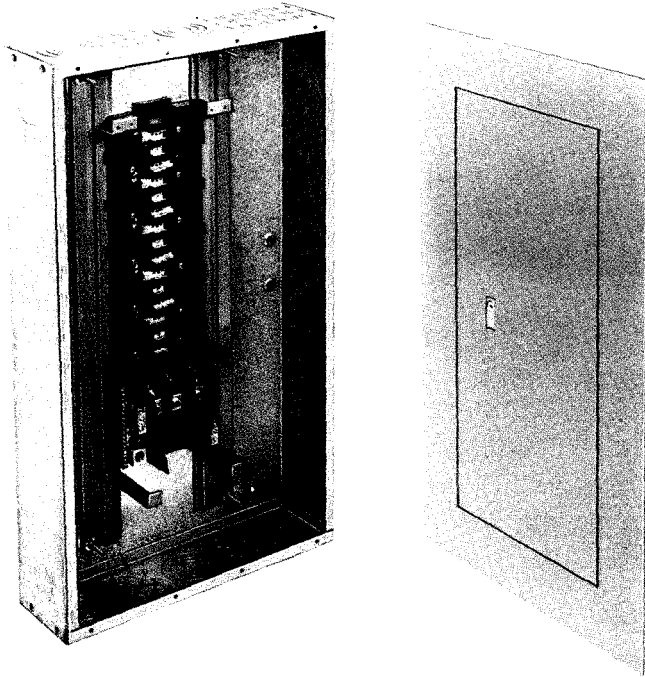
NEHB Circuit Breaker Panelboards

For 480Y/277V. ac Systems

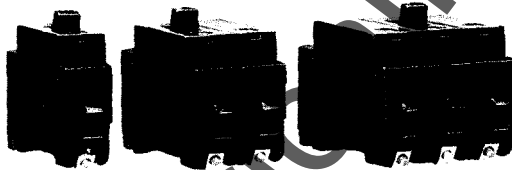


SQUARE D[®]

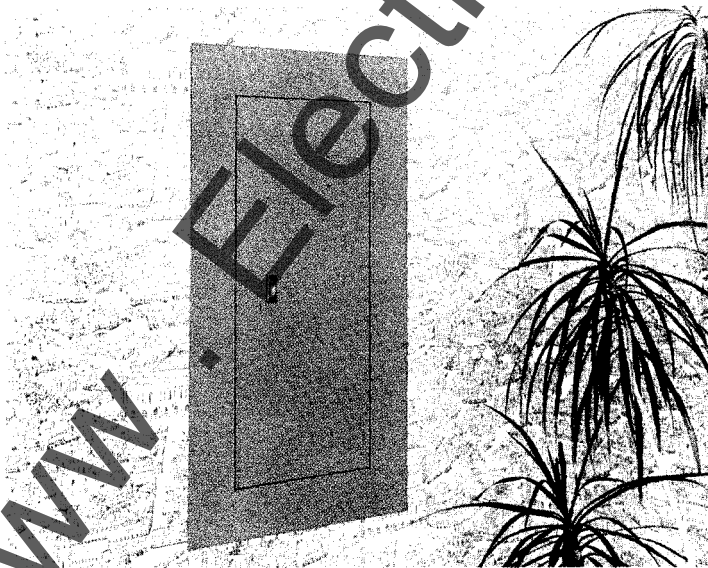
NEHB Panelboards



EH (plug-on)
Circuit Breakers



EHB (bolt-on)
Circuit Breakers



MONO-FLAT® front features completely concealed hinges and trim clamps; has a flush-mount lock.

Our NEHB panelboards, in combination with EH (plug-on) or EHB (bolt-on) circuit breakers provide superior performance for lighting applications, all in a compact 20" wide by 5 3/4" deep design.

Main lug and main breaker panelboards are available through 600 amperes. NEHB main breaker panelboards include a vertically mounted 100, 225 or 400 ampere main breaker. High interrupting capacity main breakers are available. When EH or EHB breakers are applied with 100 ampere I-LIMITER™ current limiting main breakers, NEHB panelboards are UL listed for application on circuits with 100,000 amperes available fault current at 208Y/120V. ac, 240V. ac and 480Y/277V. ac.

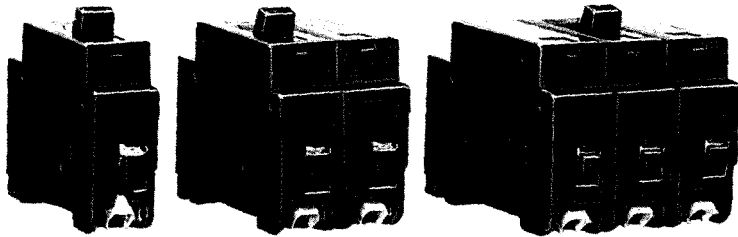
All interiors have top or bottom feed capacity. Simply inverting the interior is all that is required to convert from standard bottom feed to a top feed configuration. Conversion of the bottom feed main breaker to a top feed configuration is accomplished by rotating the breaker 180°.

Our MONO-FLAT® front features completely concealed hinges and trim clamps and flush lock. Removal of the front is prevented when the door is closed and locked.

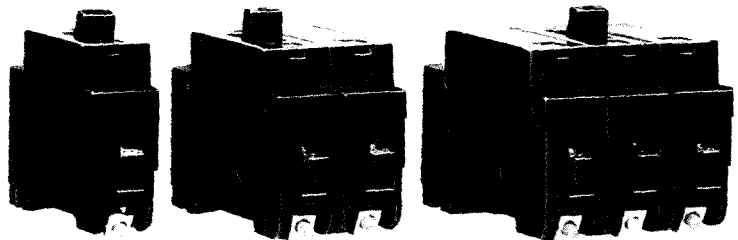
NEHB panelboards may be applied on the voltage systems indicated in the table below.

Voltage	System	System Diagram
208Y/120V. ac	3Ø4W wye	
240/120V. ac	3Ø4W Delta	
240V. ac	3Ø3W' Delta	
480Y/277V. ac	3Ø4W wye	

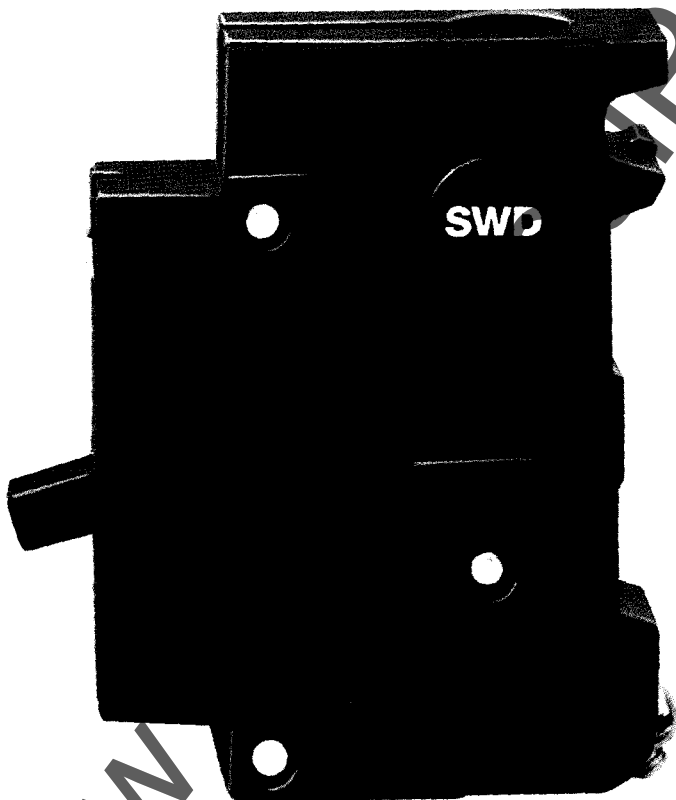
EH/EHB Circuit Breakers



EH (plug-on)
Circuit Breakers.



EHB (bolt-on)
Circuit Breakers



All 15 and 20 ampere single pole breakers bear the SWD marking.

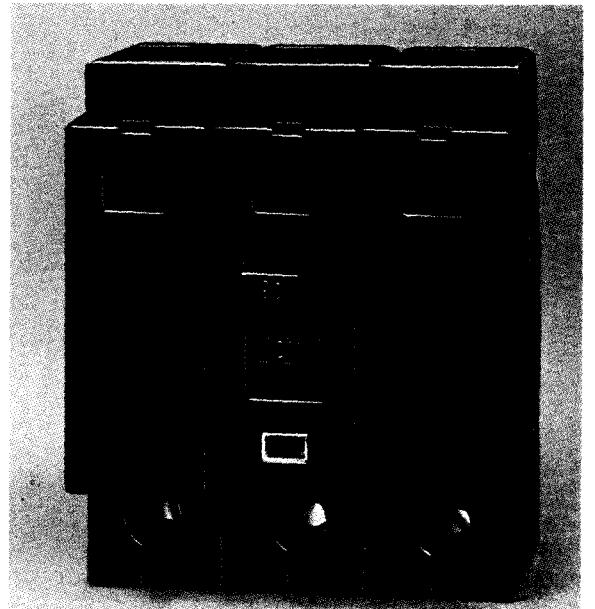
Single pole circuit breakers employ an improved switching mechanism which provides maximum contact opening and handle pre-travel to retard contact bounce on closing, thus permitting the breakers to pass the UL switching duty test. All 15 and 20 ampere single pole breakers bear the SWD marking, verifying UL listing as switching duty breakers when applied on 277V. ac and 120V. ac fluorescent lighting circuits.

All EH and EHB circuit breakers have the UL listed interrupting capacities shown in the table below and comply with Federal Specification W-C-375B, Class 13a and 13b.

UL Listed Interrupting Rating RMS Symmetrical Amperes

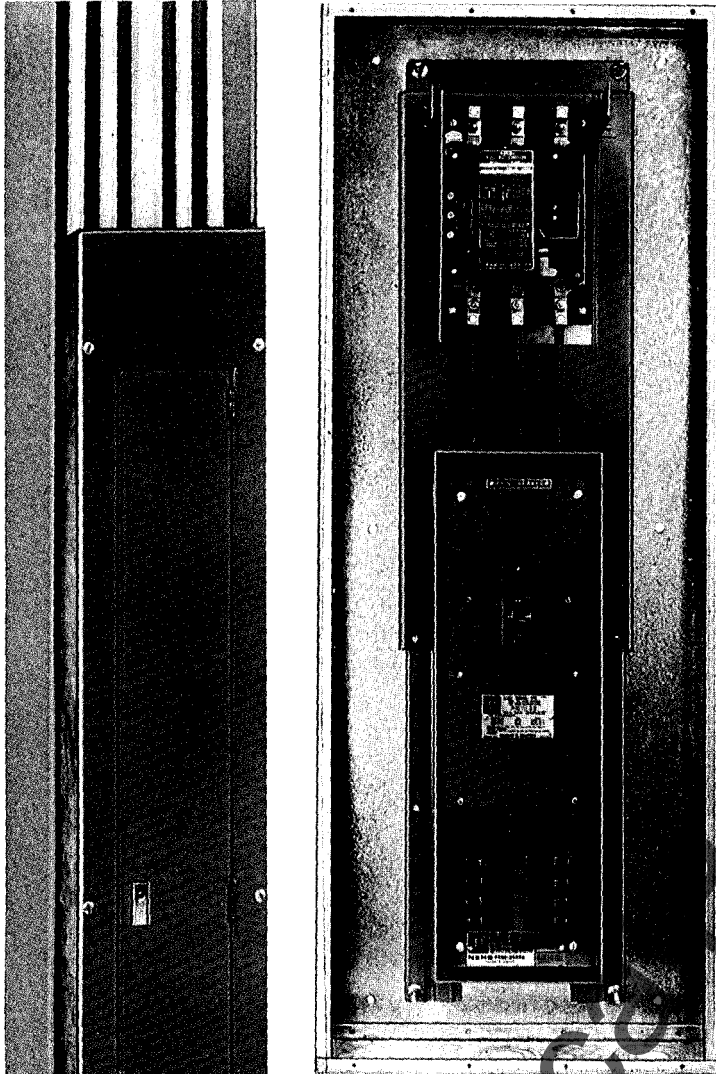
Branch Breaker	Poles	Ampere Rating	AC Voltage				
			120	120/240	240	277	480Y/277
EH or EHB	1	15-30	65,000	...	...	14,000	...
	2	15-60	...	65,000	...	...	14,000
	3	15-60	...	...	65,000	...	14,000
EHB	2	70-100	...	65,000	...	...	14,000
	3	70-100	...	...	65,000	...	14,000

This revolutionary circuit breaker design, an integral part of our NEHB panelboard, is the key to lighting system flexibility. Both EH (plug-on) and EHB (bolt-on) circuit breakers have thermal magnetic tripping mechanisms which are factory calibrated for 40°C ambient temperature. Each breaker employs an over-center, trip-free toggle type operating mechanism, with quick-make, quick-break action. Easy visual identification of a tripped breaker is assured by the VISI-TRIP® indicator. When the circuit breaker is tripped, the VISI-TRIP indicator springs into view.



VISI-TRIP® indicator ensures easy visual identification of tripped breaker.

Additional Features



Factory assembled lighting contactor NEHB panelboard.

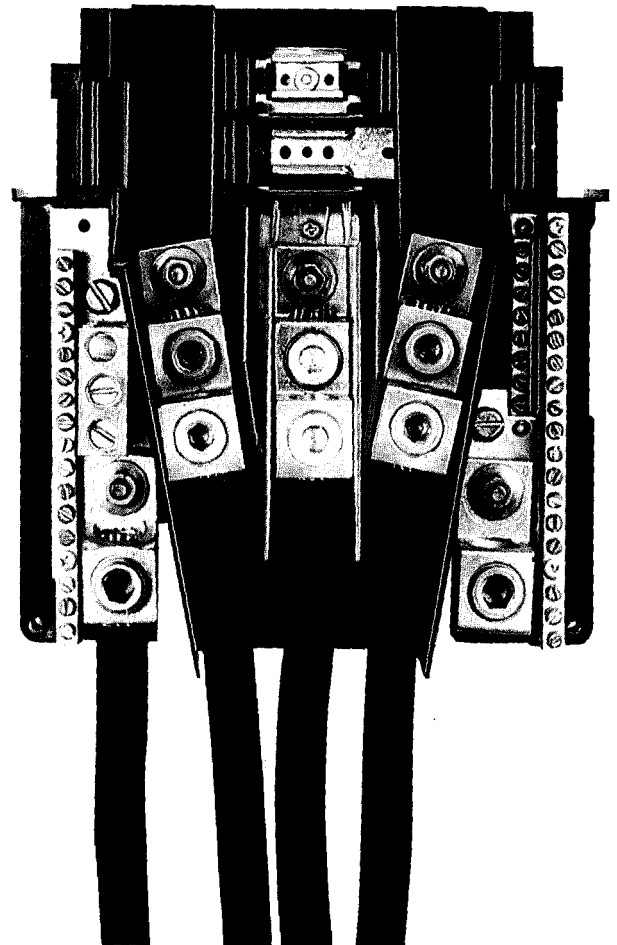
Single row construction interiors mounted in 8⁵/₈" wide boxes are available for column width applications.

MONO-FLAT fronts feature a completely flush lock with stainless steel escutcheon. All hinges and trim clamps are completely concealed. MONO-FLAT fronts are virtually tamperproof, since the front cannot be removed with the door closed and locked.

Factory assembled lighting contactor and split bus NEHB panelboards are ideal for frequent switching or special distribution applications. Contactor NEHB panelboards are available with either electrically or mechanically held contactors (20 through 225 ampere). Split bus NEHB panelboards with a wide range of splits and split length arrangements are available (through 225 ampere).

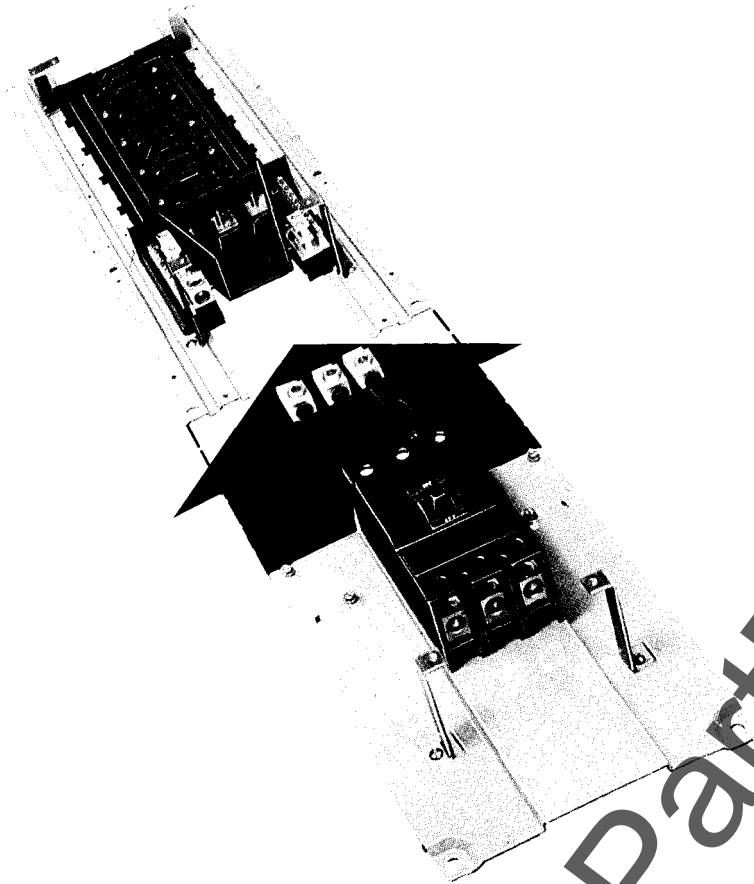
Sub-feed lugs, both mechanical and compression type, may be factory assembled. In addition, a field installable 125 ampere bolt-on sub-feed lug kit may be bolted directly in the branch breaker section of NEHB panelboards.

Single row construction interiors mounted in 8⁵/₈" wide boxes are available for column width applications. Main lug and main breaker devices through 225 amperes are available. All column width devices accept a maximum 60 ampere branch breaker.



125 and 225 ampere sub-feed lugs bolt directly to the mains end of NEHB panelboards.

Interiors



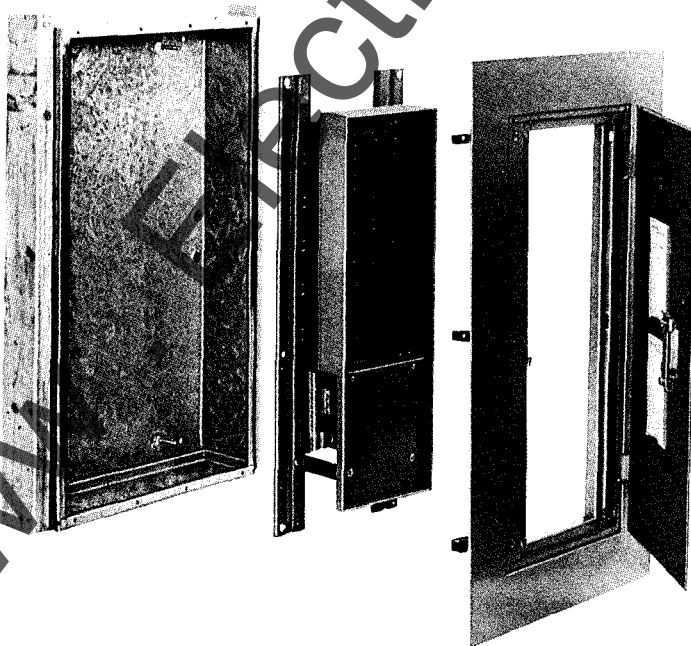
All interiors accept both EH (plug-on) and EHB (bolt-on) breakers. Bus bars are fully insulated and supported by high strength molded insulators which provide greater mechanical and dielectric strength. Use of these premium materials permits a rugged, compact design.

The solid neutral assembly, located adjacent to the mains compartment, permits easy access to branch terminals from both sides. The fully insulated solid neutral may be bonded to the enclosure for service entrance applications. Standard main lugs are mechanical Al/Cu type; UL Listed Square D type VCEL compression lugs are also available.

All NEHB main lug interiors may be easily converted to main breaker interiors by utilizing field installed main breaker kits. The kits attach directly to the interior mounting rails. Preformed phase connectors are included.

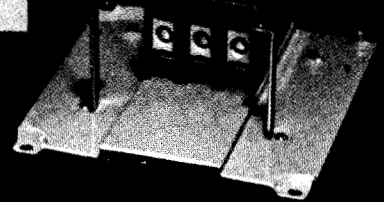
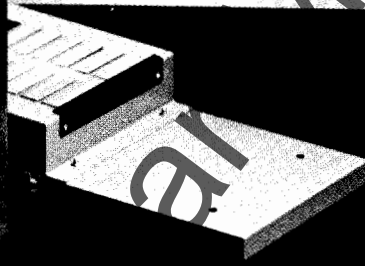
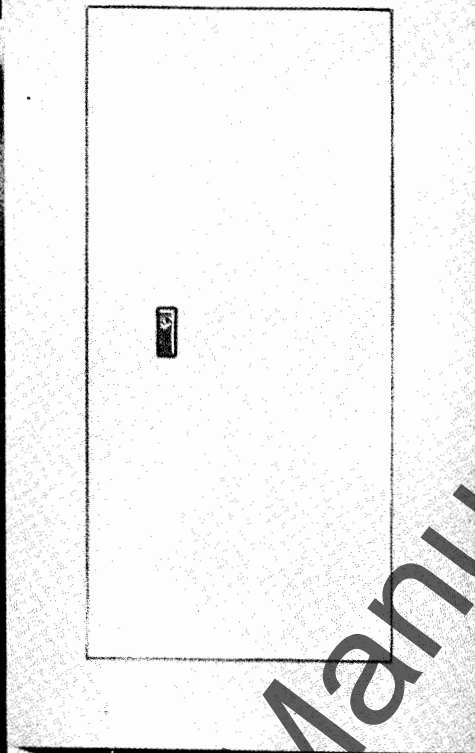
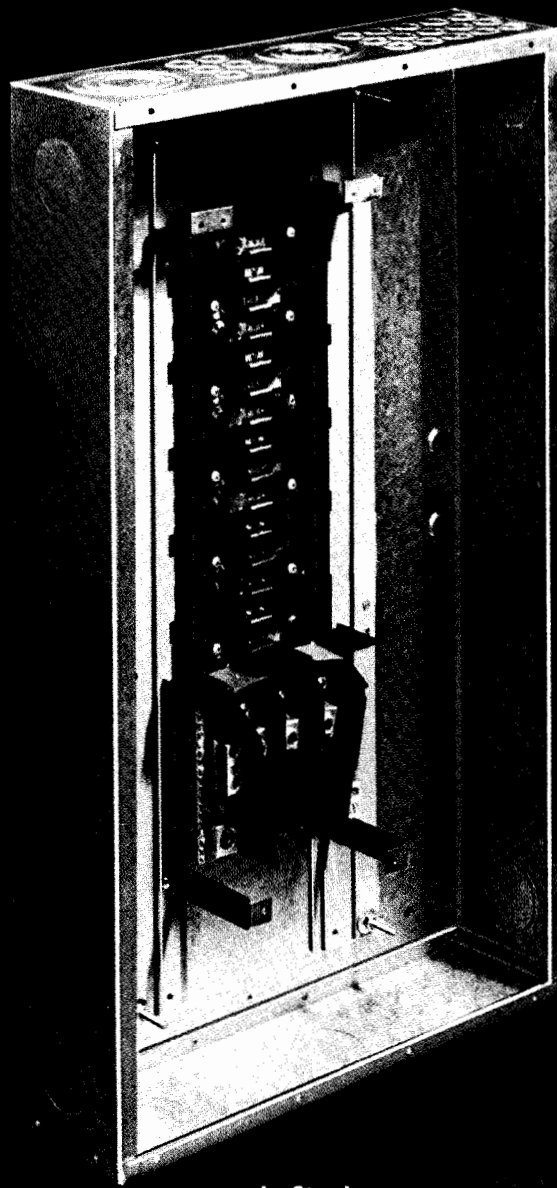
Panelboards utilizing special main breakers with accessories are also available. Main breaker accessories include shunt trip, undervoltage trip, alarm switches and auxiliary contacts.

Installation



NEHB boxes are 20" wide by 5 $\frac{3}{4}$ " deep and are constructed of code gauge galvanized steel. All boxes are supplied with knockouts. Wiring gutters meet or exceed the latest UL or NEC requirements. NEMA 3R (rainproof) and NEMA 12 (dust tight) boxes are also available.

Panelboard interiors mount flat against the back of the box. Leveling hardware or mounting brackets are not required. Necessary interior/wall flush adjustments (corrects up to $\frac{3}{4}$ " of misalignment) are made when the trim clamps on the MONO-FLAT front are tightened. This causes the front to pull in flat against the wall.



In Stock . . .
NEHB unassembled panelboards — 480Y/277V, ac

Continuing engineering research and development may change specifications and data without notice.

www.electrical

SQUARE D[®]