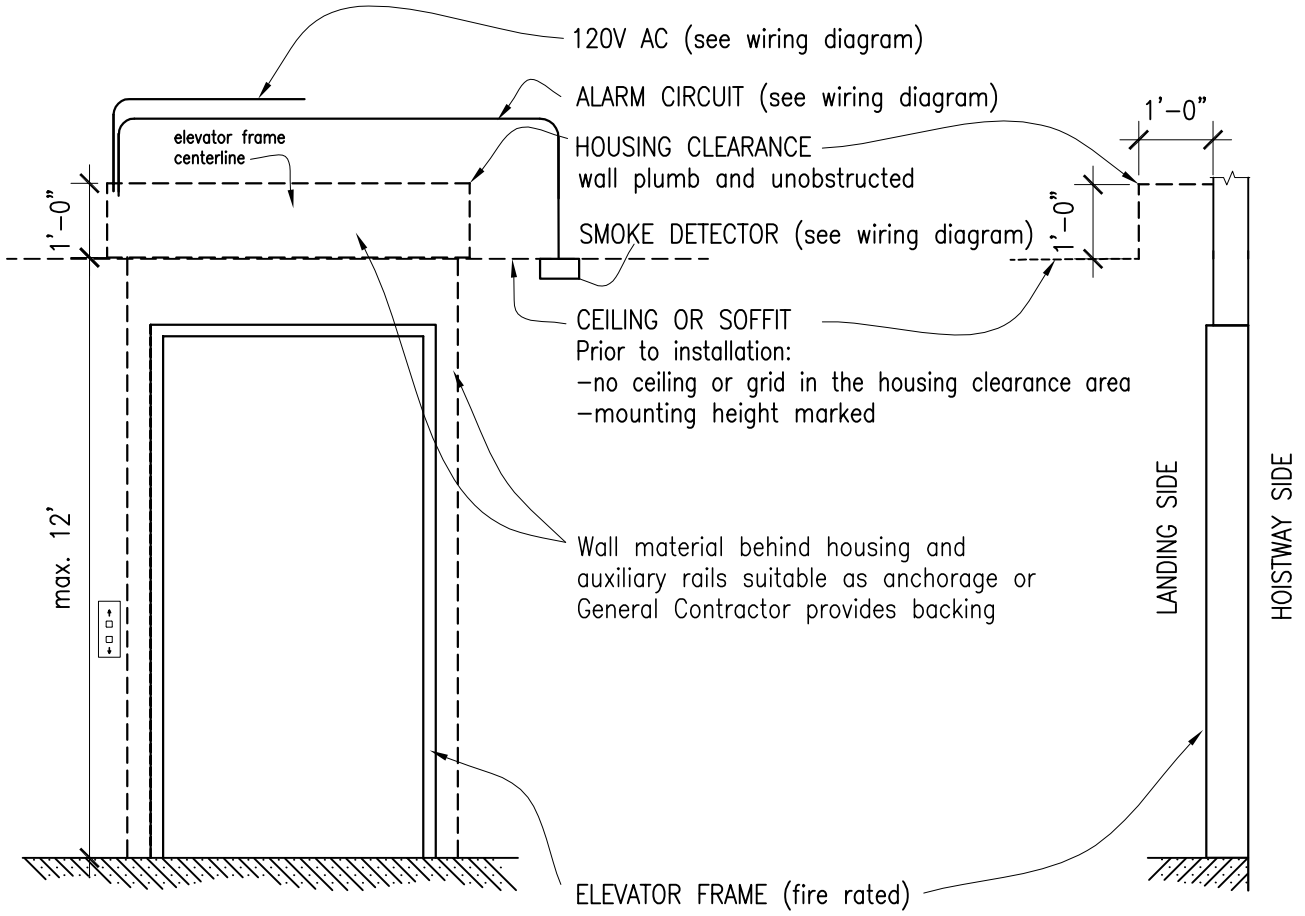
Generic Design Details



ELEVATION (view from landing)

SECTION

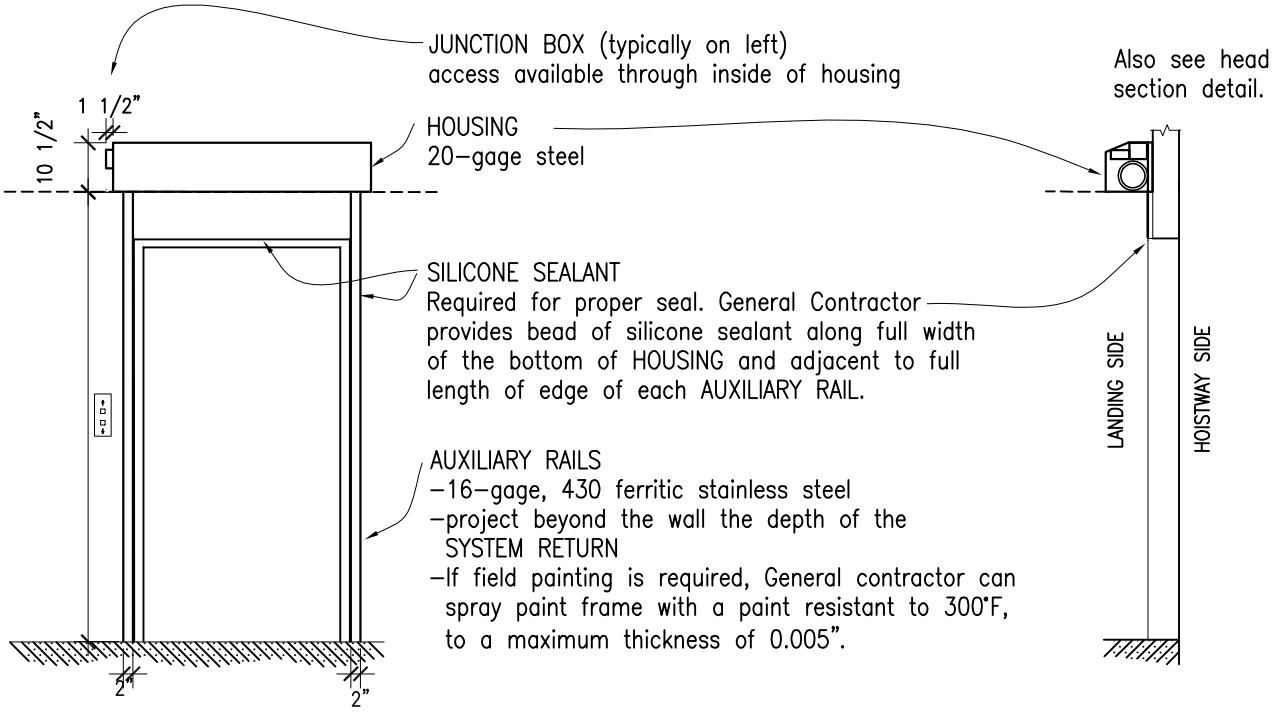
CONTRACTOR'S PREPARATION SCHEMATIC

Scale: NTS

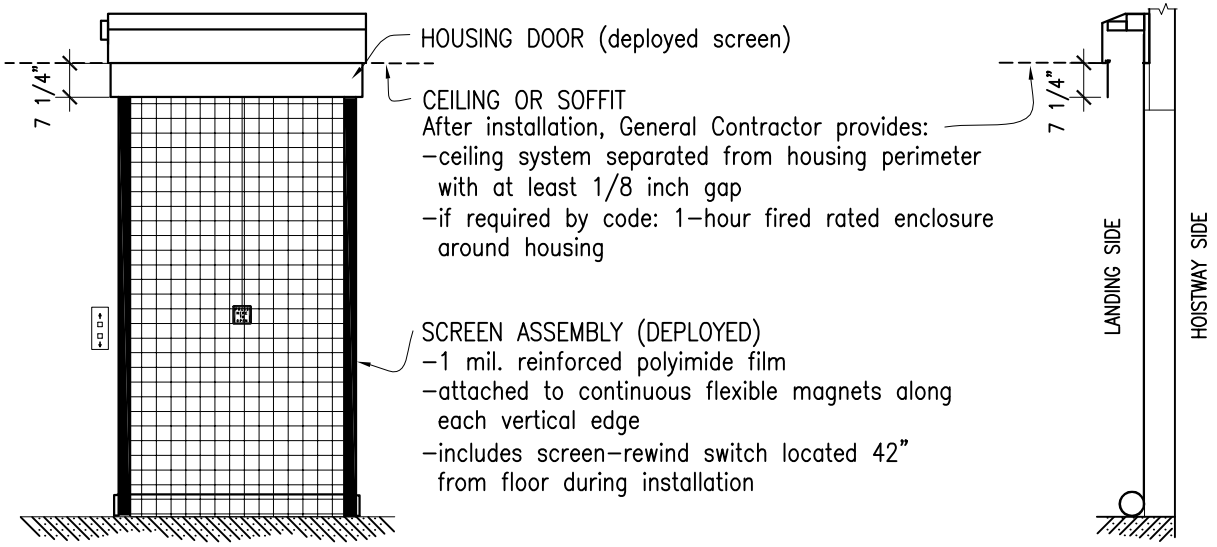
M400 SMOKE GUARD SYSTEM
HIGH MOUNT WITH FULL AUXILIARY RAILS

SMOKE S G GUARD

DOC# 406–1A HG REV 23
REVISION DATE: 2011–03–28



ELEVATION & SECTION: READY STATE

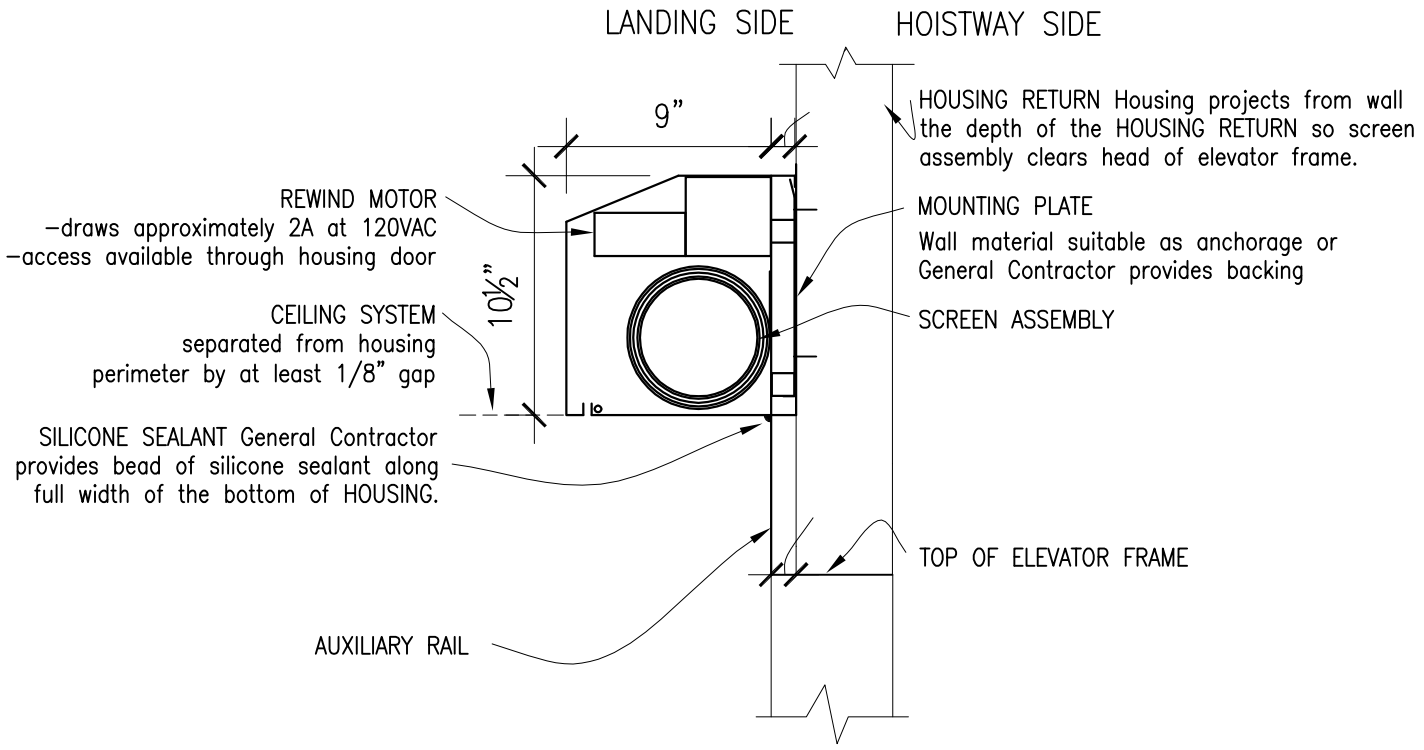


ELEVATION & SECTION: DEPLOYED STATE

Scale: NTS

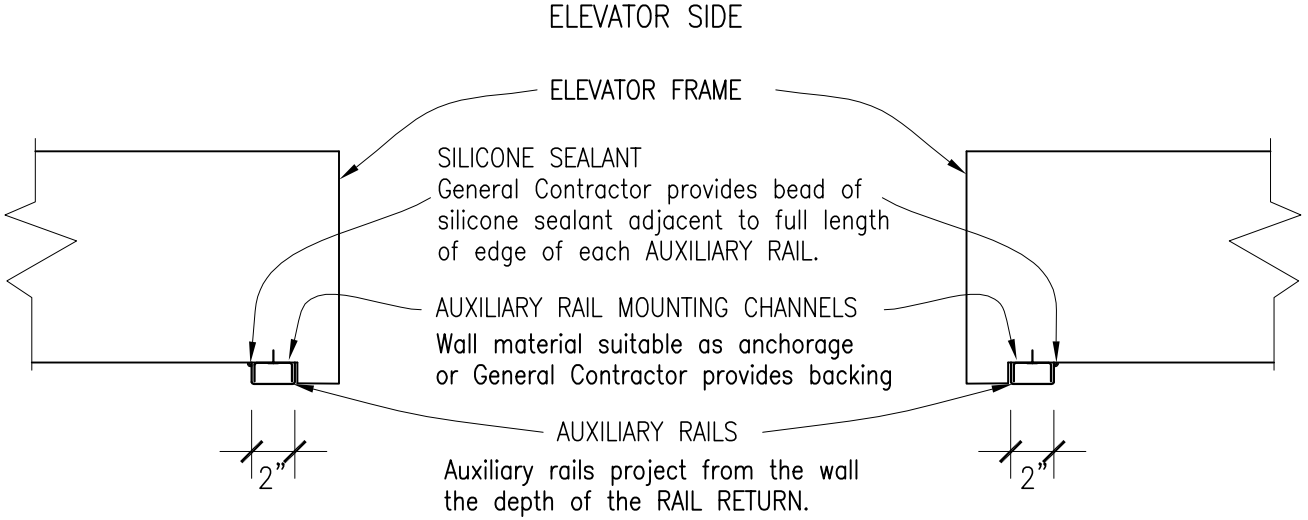
M400 SMOKE GUARD SYSTEM
HIGH MOUNT WITH FULL AUXILIARY RAILS

SMOKE S G GUARD



HEAD SECTION DETAIL

Scale: NTS



PLAN @ JAMB

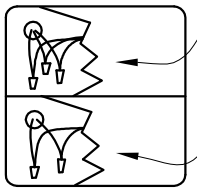
Scale: NTS

M400 SMOKE GUARD SYSTEM
HIGH MOUNT WITH FULL AUXILIARY RAILS

SMOKE SG GUARD

DOC# 406–3A HG REV 23
REVISION DATE: 2011–03–28

HOUSING JUNCTION BOX DETAIL
(access through inside of housing)

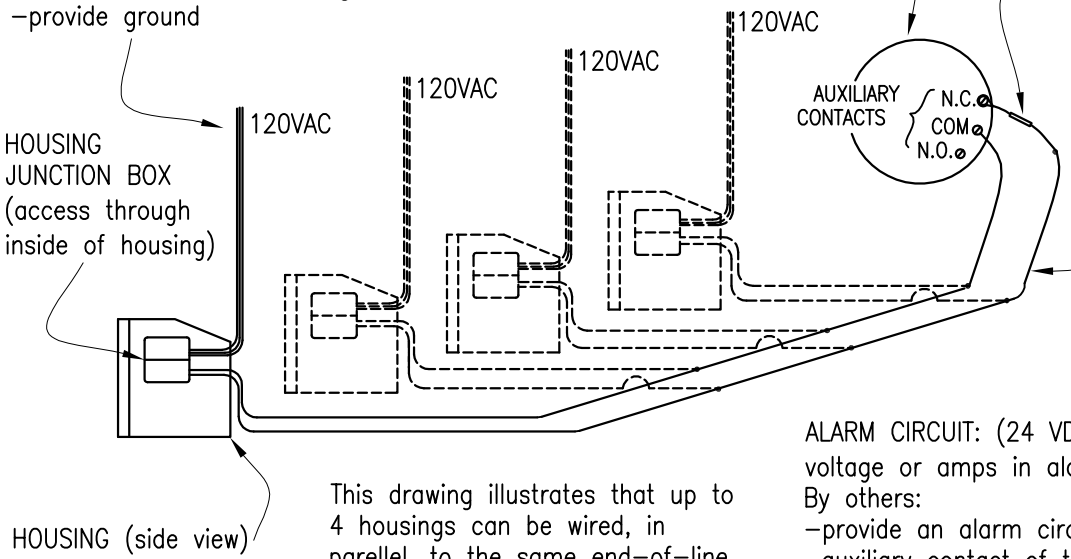


120VAC by others
green--ground
white--neutral
black--hot

LOW VOLTAGE CONNECTIONS
–from smoke detector
–by others

120VAC POWER (60 Hz, 2A max): For motor rewind/retraction of screen after deployment. By others:
–provide conduit and wire
–(after unit is installed) remove temporary plug and wire 120VAC to high voltage wires in the junction box on the side of the housing
–provide ground

SMOKE DETECTOR (UL 268 compliant) By others:
–provide a normally CLOSED auxiliary contact that is a activated when the smoke detector goes into alarm. This contact does NOT activate on general building alarm. No voltage exists across the contact.
–(when there are multiple–unit systems in a common area that are activated by a single smoke detector): wire up to 4 Smoke Guard units to a single smoke detector, IN PARALLEL. Multiple units on a common floor that are activated by the same smoke detector require alarm circuit wiring from the detector to each unit. The printed circuit board in each housing must see the end–of–line diode on the smoke detector.



END–OF–LINE DIODE:
By others:
–install 3.9V or 2 watt end–of–line diode (furnished by Smoke Guard) at initiating device
–in series with the normally closed auxiliary contact.

This drawing illustrates that up to 4 housings can be wired, in parellel, to the same end–of–line diode at an initiating device (smoke detector) auxiliary contact.

ALARM CIRCUIT: (24 VDC, 40 mA in monitoring mode; no voltage or amps in alarm mode)
By others:
–provide an alarm circuit from the normally closed auxiliary contact of the smoke detector to the low voltage wires in the junction box on the side of the housing, using stranded wires, in raceways or conduit
–(after unit is installed) terminate the smoke detector wires to low voltage wires in the junction box on the side of the housing.

WIRING DIAGRAM (all electrical by others)

Scale: NTS

Generic Design Details

M400 SMOKE GUARD SYSTEM

SMOKE SG GUARD

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