

ELEVATION (view from landing)

SECTION

CONTRACTOR'S PREPARATION SCHEMATIC

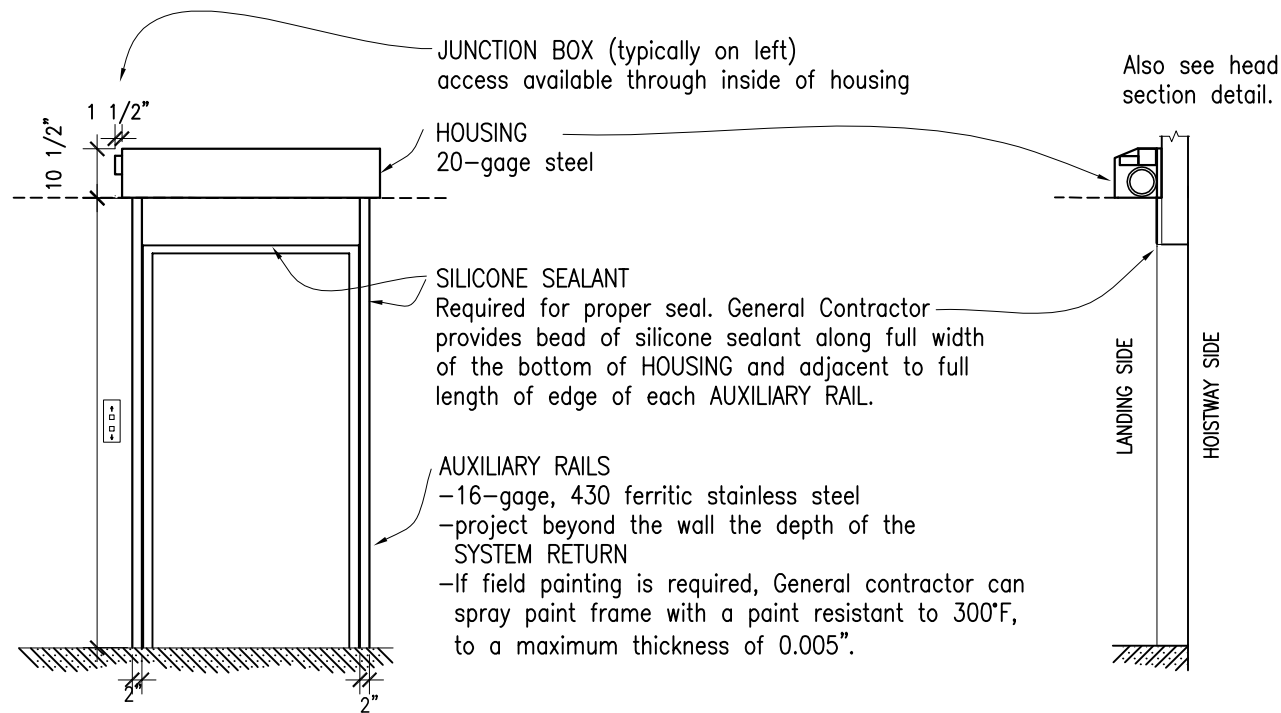
Scale: NTS



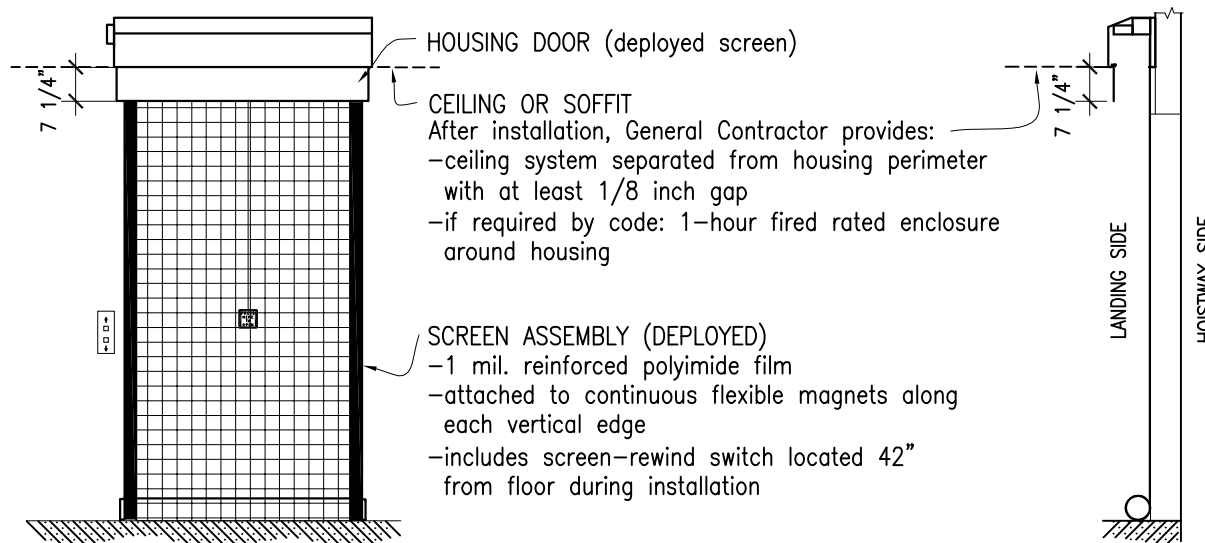
M400 SMOKE GUARD SYSTEM
HIGH MOUNT WITH FULL AUXILIARY RAILS

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

Generic Design Details



ELEVATION & SECTION: READY STATE



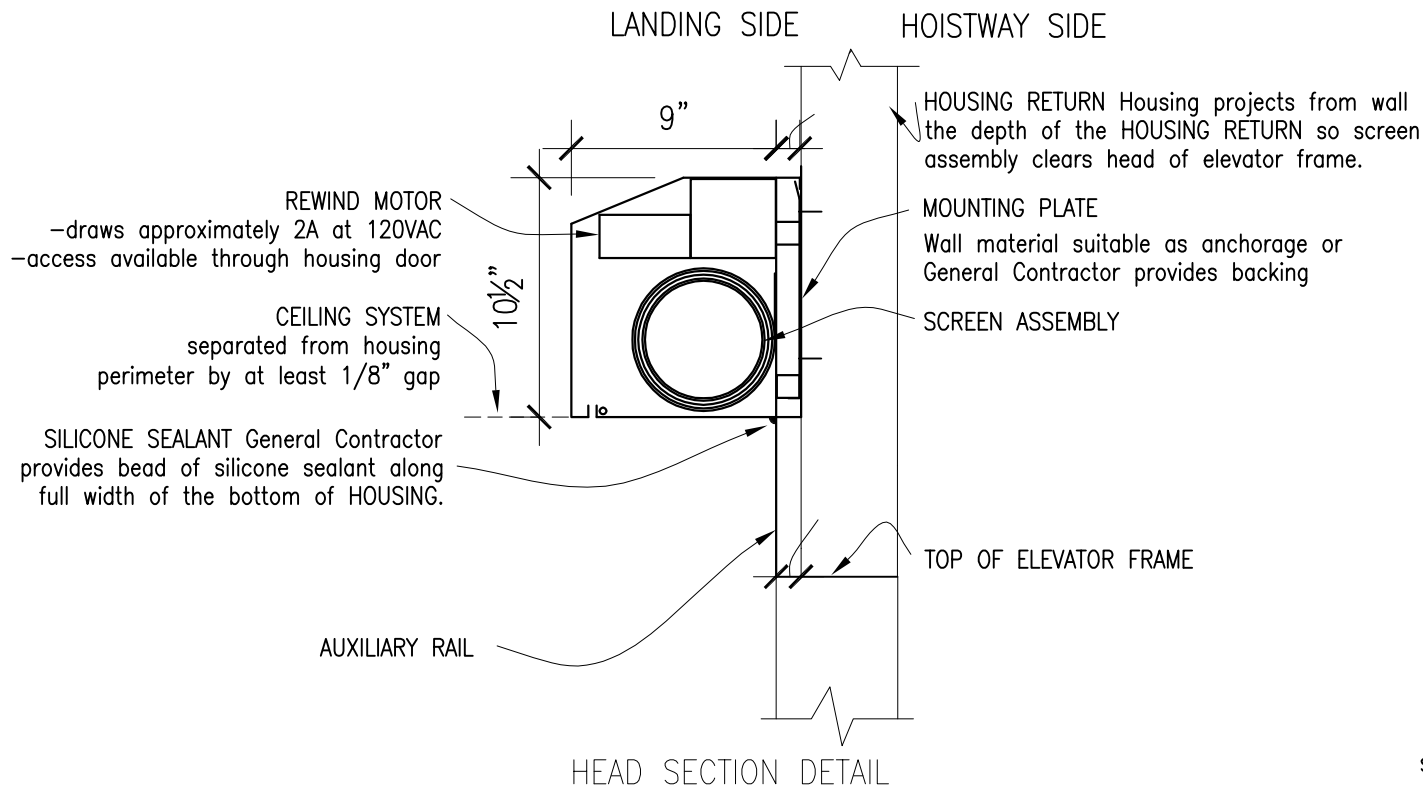
ELEVATION & SECTION: DEPLOYED STATE

Scale: NTS

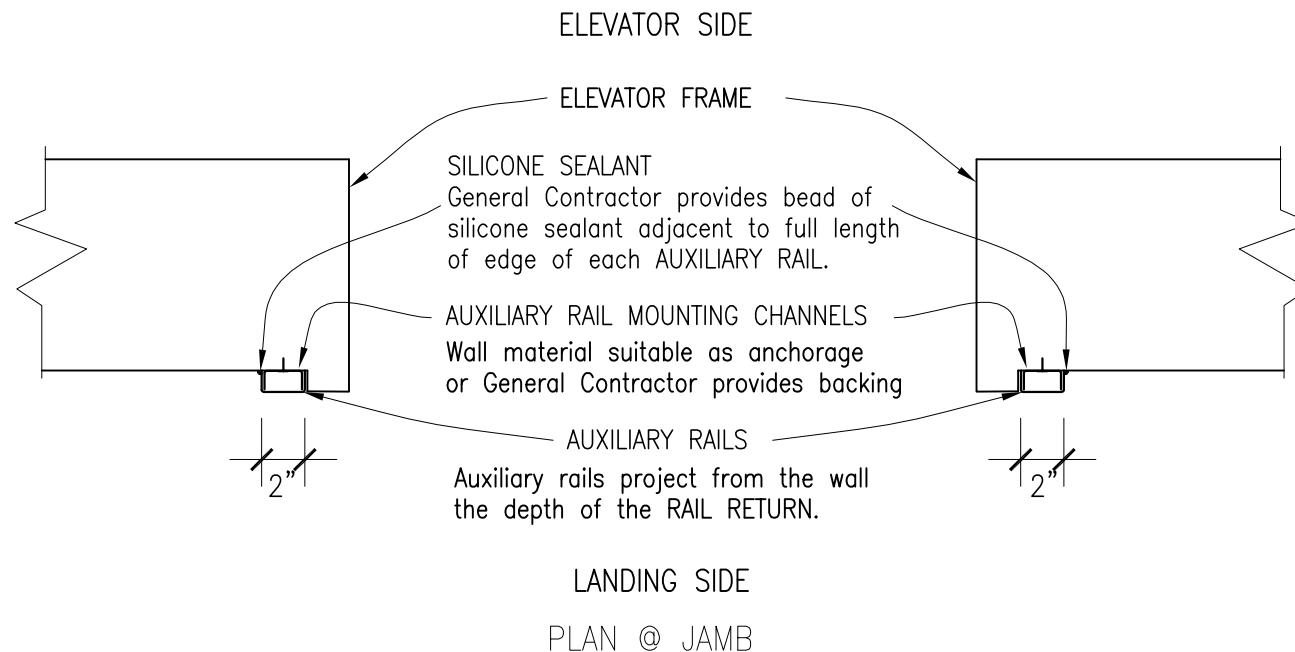


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Generic Design Details



Scale: NTS



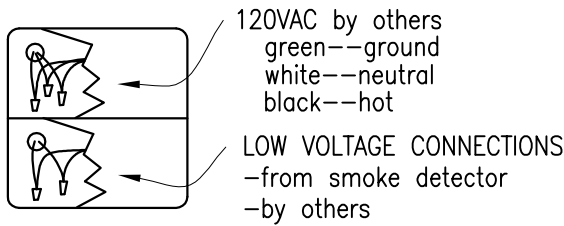
Scale: NTS

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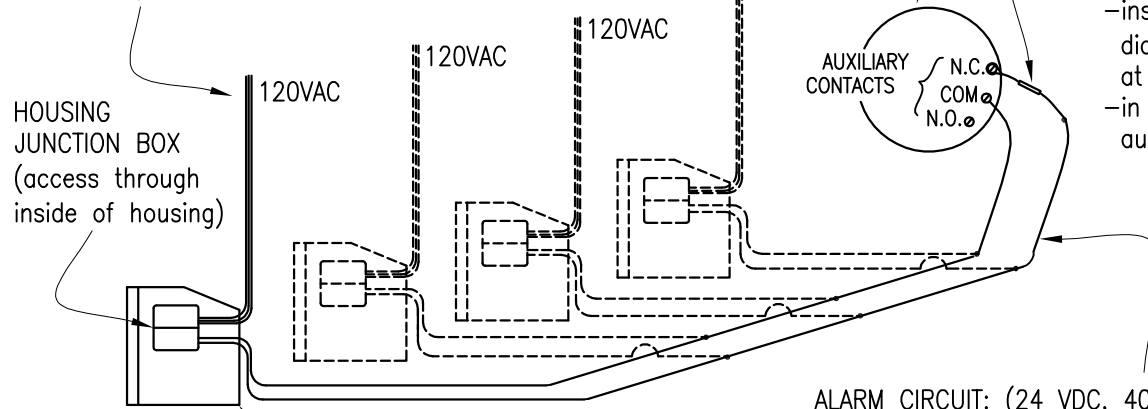
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SHEET 3 OF 4

HOUSING JUNCTION BOX DETAIL
(access through inside of housing)



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



HOUSING JUNCTION BOX
(access through inside of housing)

HOUSING (side view)

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

SMOKE DETECTOR (UL 268 compliant) By others:
 -provide a normally CLOSED auxiliary contact that is 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.

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

M400 SMOKE GUARD SYSTEM



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