'Black Monson' slate to remain. Replace in kind where needed.

Remove storm doors & storm windows. Existing doors & windows to remain

Repair existing slate roof with slate to match in size & color of existing (salvaged from rear roof). New red copper valleys, ridge, gutter & downspouts to match existing (20 oz. typical.)

Patch & paint existing trim to match existing.

Replace 14 delapidated six over six windows w/ new wood, historic, Boston Sash windows. -See shop dwgs.

Remove storm windows. Existing shutters to remain.

Repaint & patch existing sevice door Ben Moore Satin Black. Existing scroll wrought iron to remain; scraped/ painted Satin Black.

BELL STROBE

A:	77"
B:	26"
C:	20"
D:	9"
E:	18"

FDC

Repaint Ben Moore Satin Black & reglaze existing window w/ clear glass. Remove chicken wire.

NOTES:
- BELL & STROBE TO BE SCREWED INTO MORTAR JOINTS (NOT BRICK)
- FIRE DEPT CONNECTION TO BE CORED INTO BRICK (NOT GRANITE)
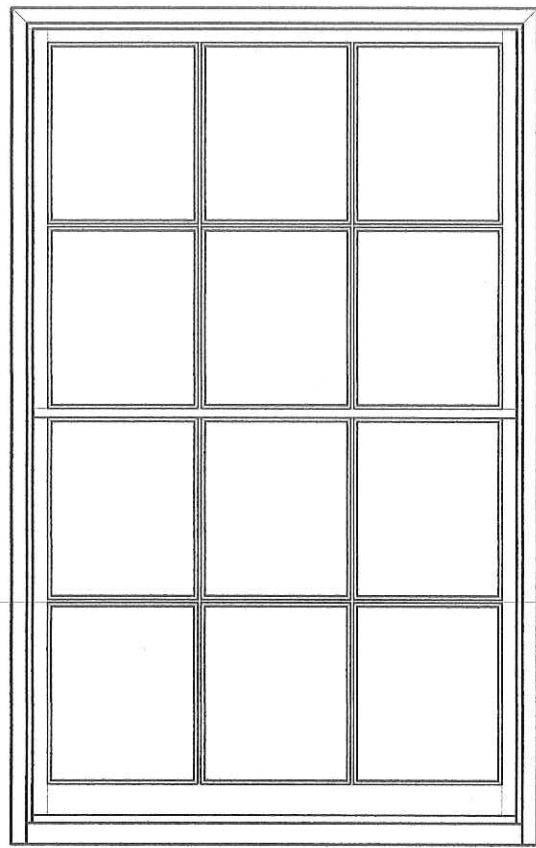- BELL & STROBE CENTERED B/N SERVICE DOOR & PROPERTY LINE

FRONT ELEVATION

3/16" = 1'-0"

10 Walnut Street
Beacon Hill
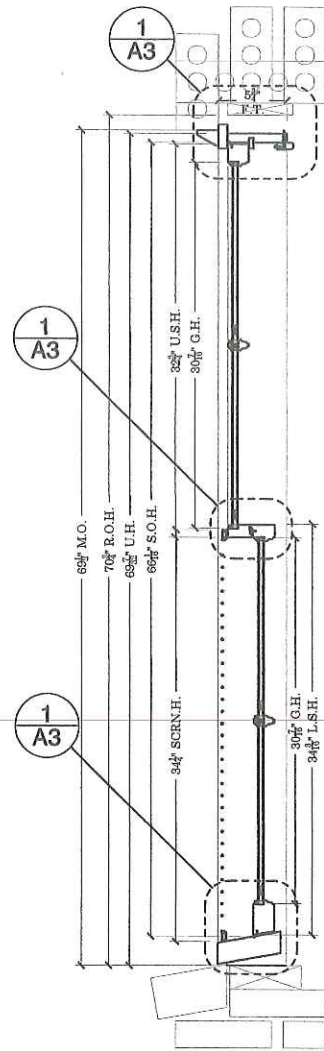Boston - 08/30/19

PROPOSED Building Elevation

A1
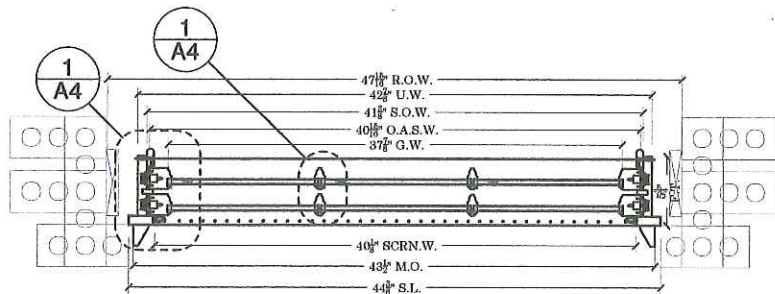
Tim Sheehan, Architect
617.241.9653
tms1226@gmail.com

ELEVATION

(1) 3/4"=1'-0"

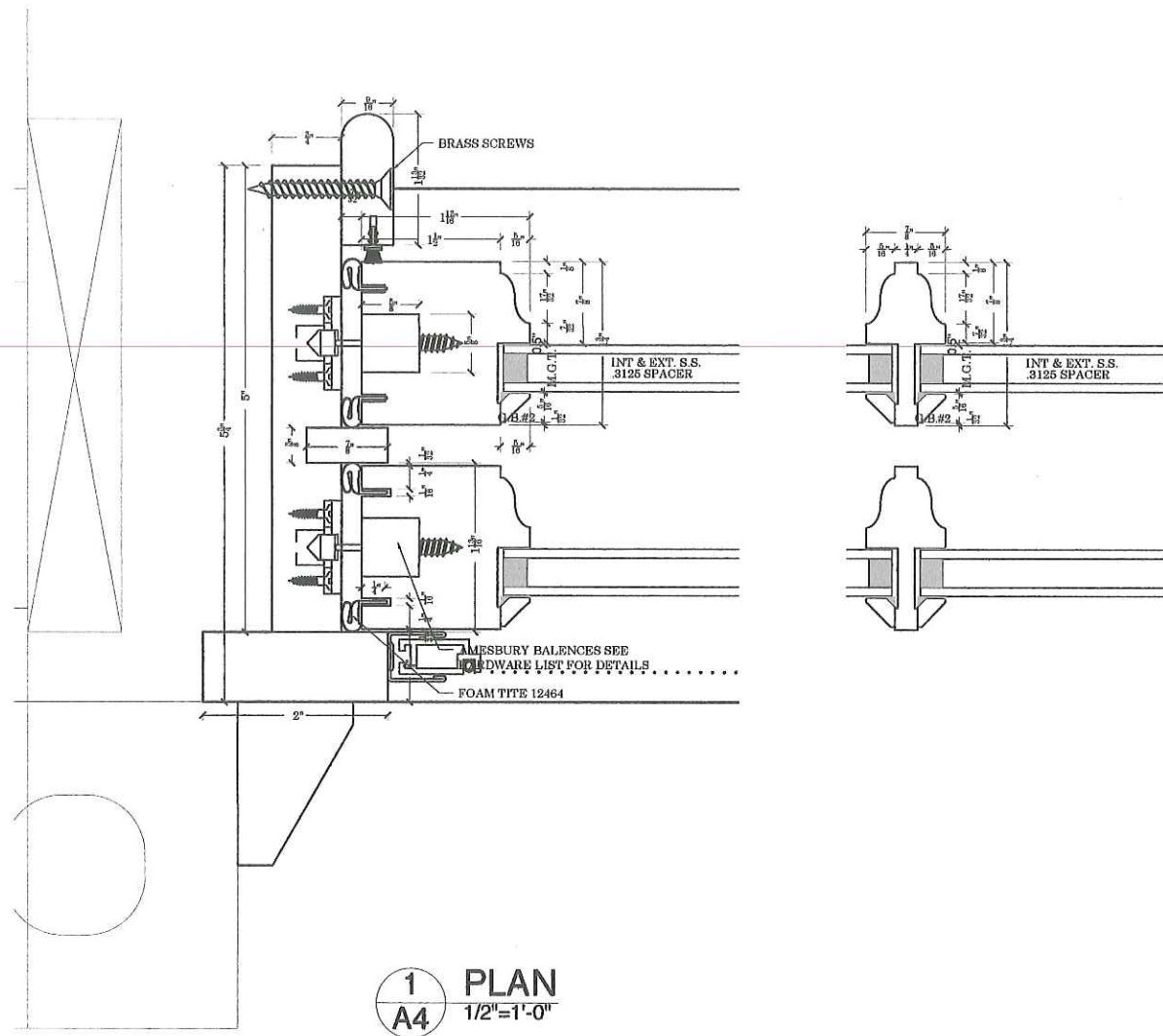⅝ BEACON HILL M.O. UNIT
M.O. 43-1/2" X 69-1/2"

(1/A3)

(1/A3)

(1/A3)

SECTION

(3) 3/4"=1'-0"

(1/A4)

(1/A4)

PLAN

(2) 3/4"=1'-0"

47⅜" R.O.W.
42⅞" U.W.
41⅞" S.O.W.
40⅝" O.A.S.W.
37⅞" G.W.
40½" SCRN.W.
43½" M.O.
44⅜" S.L.

NOTES:
Mahogany double hung windows; primed interior with
Ben Moore, HC-83 'Grant Beige' semi-gloss,
hand-painted exterior.
Beige aluminum half screens at DH with charcoal
fiberglass screen mesh
Concealed black and tackle balances @ DH
True divided lite insulated clear glass
Interior sash stops with weatherstrip and brass screws
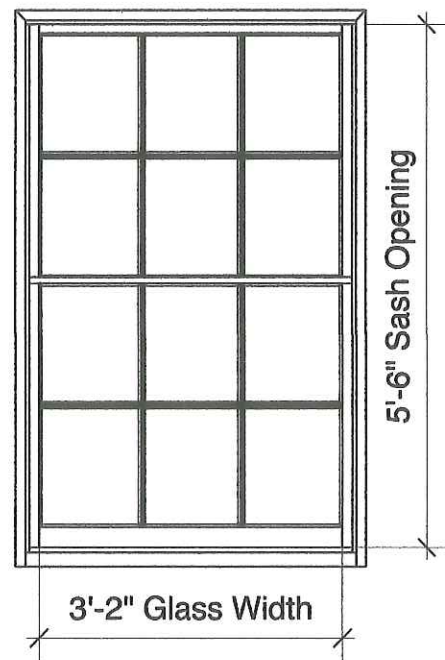Existing brick moulds to remain

A2

10 Walnut Street
Beacon Hill
Boston - 08/30/19

PROPOSED Double Hung Window Shop Drawings
Elevations

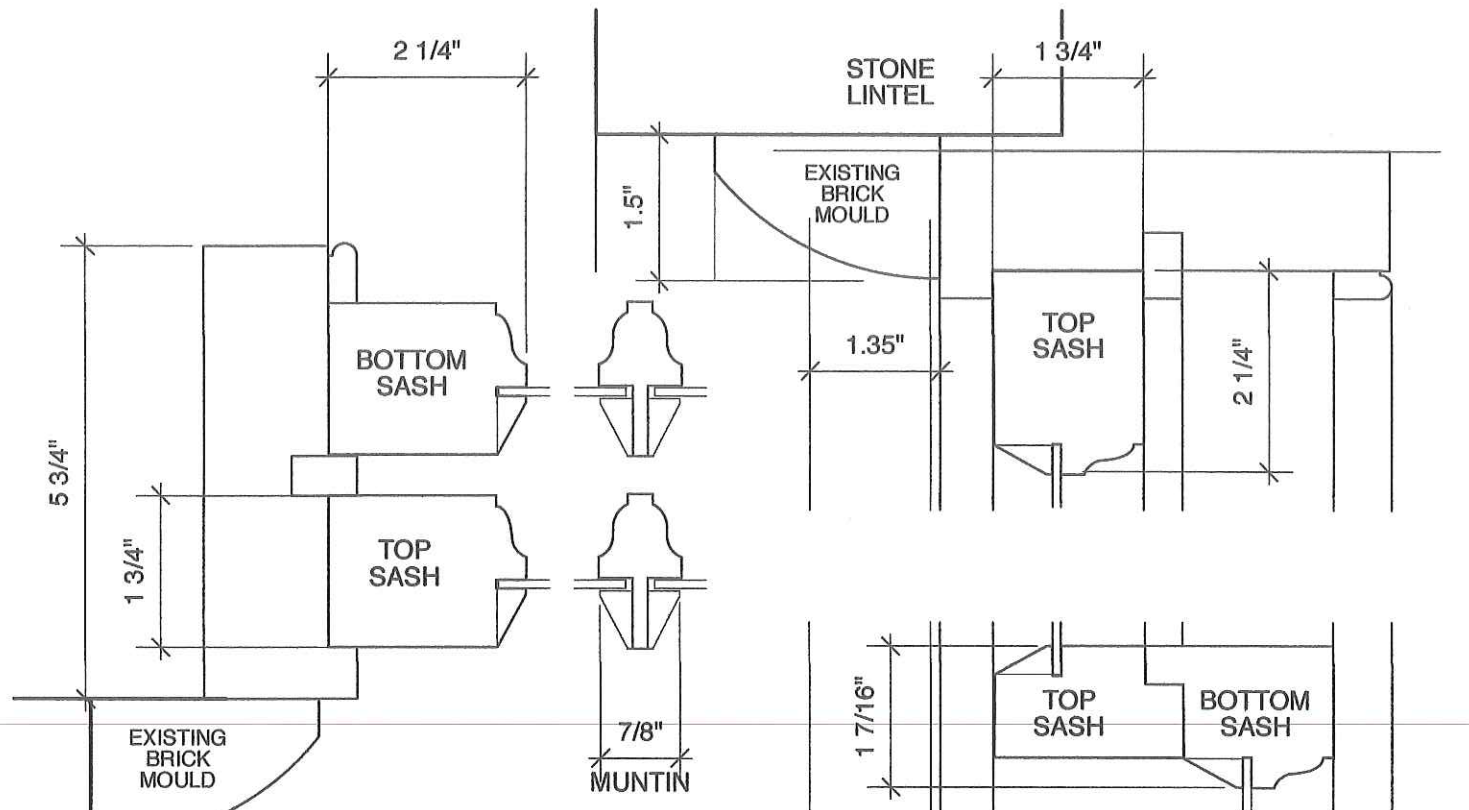Tim Sheehan, Architect
617.241.9653
tms1226@gmail.com

QEZD-250

QEZD-250

3125 SPACER
INT & EXT. S.S.

M.G.T.

3125 SPACER
INT & EXT. S.S.

M.G.T.

$\frac{3}{4}$" MIN

1 **SECTION**
A3 1/2"=1'-0"

A3

Tim Sheehan, Architect
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tms1226@gmail.com

10 Walnut Street
Beacon Hill
Boston - 08/30/19

Proposed Double Hung Window Shop Drawings
Section

BRASS SCREWS

INT & EXT. S.S.
.3125 SPACER

INT & EXT. S.S.
.3125 SPACER

AMESBURY BALENCES SEE
HARDWARE LIST FOR DETAILS . . . .

FOAM TITE 12464

① PLAN
Ⓐ4 1/2"=1'-0"

5'-6" Sash Opening

EXISTING WOOD WINDOW SPEC
- 1 3/4" thick hardwood sash
- Clear glass
- True divided lights (TDL)
- 7/8" muntin bars
- Double Hung
- 4 9/16" jambs
- 6 over 6 except Bay
- 3/4" x 2" flat casing.
- Existing brick mould to remain
- 3/8" depth on exterior of muntins

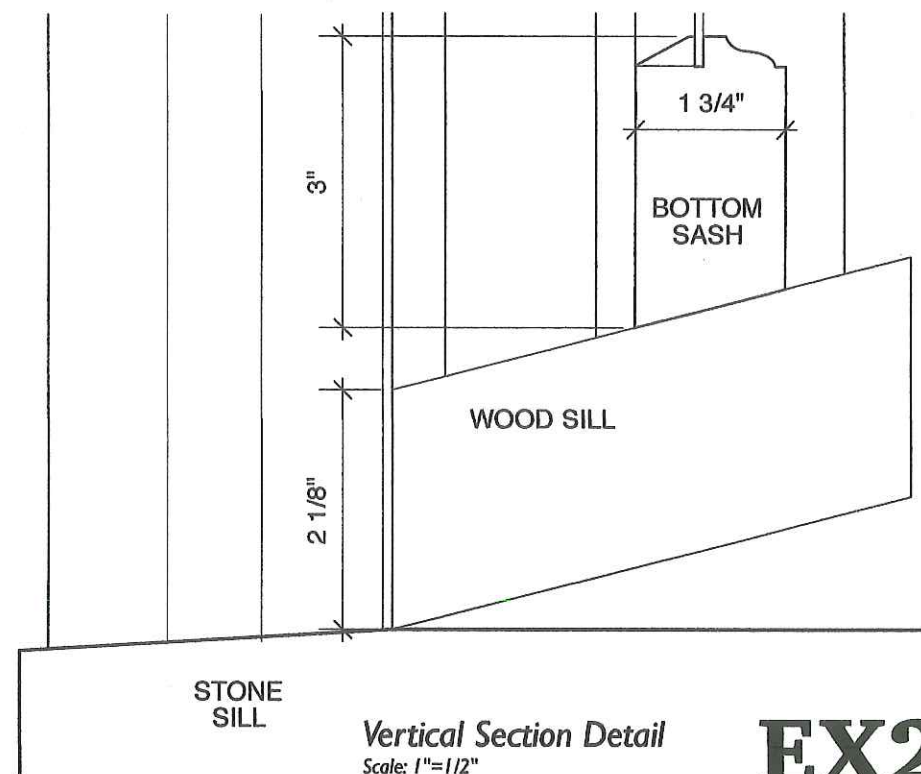3'-2" Glass Width

Window A-1   Qty:14

EX1

Tim Sheehan, Architect
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tms1226@gmail.com

10 Walnut Street
Beacon Hill
Boston - 08/30/19

Existing Double Hung Window Shop Drawings
Elevations

2 1/4"

STONE
LINTEL

1 3/4"

1.5"

EXISTING
BRICK
MOULD

BOTTOM
SASH

5 3/4"

1 3/4"

1.35"

TOP
SASH

2 1/4"

TOP
SASH

EXISTING
BRICK
MOULD

7/8"

MUNTIN

1 7/16"

TOP
SASH

BOTTOM
SASH

Horizontal Section Detail
Scale: 1"=1/2"

3"

1 3/4"

BOTTOM
SASH

EXISTING WOOD WINDOW SPEC
- 1 3/4" thick hardwood sash
- Clear glass
- True divided lights (TDL)
- 7/8" muntin bars
- Double Hung
- 4 9/16" jambs
- 6 over 6 except Bay
- 3/4" x 2" flat casing.
- Existing brick mould to remain
- 3/8" depth on exterior of muntins

WOOD SILL

2 1/8"

STONE
SILL

Vertical Section Detail
Scale: 1"=1/2"

EX2

10 Walnut Street
Beacon Hill
Boston - 08/30/19

Existing Double Hung Window Shop Drawings
Details

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Grant Beige

HC-83

HC-83

ⓟ POTTER
The Symbol of Protection

BELLS
PBA-AC & MBA-DC

UL, ULC, and FM Approved
Sizes Available: 6" (150mm), 8" (200mm) and 10" (250mm)
Voltages Available: 24VAC
 120VAC
 12VDC (10.2 to 15.6) Polarized
 24VDC (20.4 to 31.2) Polarized
Service Use: Fire Alarm
 General Signaling
 Burglar Alarm
Environment: Indoor or outdoor use (See Note 1)
 -40° to 150°F (-40° to 66°C)
 (Outdoor use requires weatherproof backbox.)
Termination: AC Bells - 4 No. 18 AWG stranded wires
 DC Bells - Terminal strip
Finish: Red powder coating
Optional: Model BBK-1 weatherproof backbox
 Model BBX-1 deep weatherproof backbox

ⓊⓁ ⓊⓁC ◇FM ▣

These vibrating type bells are designed for use as fire, burglar or general signaling devices. They have low power consumption and high decibel ratings. The unit mounts on a standard 4" (101mm) square electrical box for indoor use or on a model BBK-1 weatherproof backbox or BBX-1 deep weatherproof backbox for outdoor applications. Weatherproof backbox model BBK-1, Stock No. 1500001.

Notes:
1. Minimum dB ratings are calculated from integrated sound pressure measurements made at Underwriters Laboratories as specified in UL Standard 464. UL temperature range is -30° to 150°F (-34° to 66°C).
2. Typical dB ratings are calculated from measurements made with a conventional sound level meter and are indicative of output levels in an actual installation.
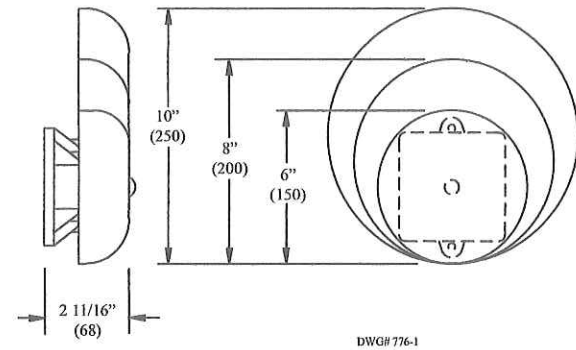3. ULC only applies to MBA DC bells.

Size inches (mm)	Voltage	Model Number	Stock Number	Current (Max.)	Typical dB at 10 ft. (3m) (2)	Minimum dB at 10 ft. (3m) (1)
6 (150)	12VDC	MBA-6-12	1750070	.12A	85	76
8 (200)	12VDC	MBA-8-12	1750080	.12A	90	77
10 (250)	12VDC	MBA-10-12	1750060	.12A	92	78
6 (150)	24VDC	MBA-6-24	1750100	.06A	87	77
8 (200)	24VDC	MBA-8-24	1750110	.06A	91	79
10 (250)	24VDC	MBA-10-24	1750090	.06A	94	80
6 (150)	24VAC	PBA246	1806024*	.17A	91	78
8 (200)	24VAC	PBA248	1808024*	.17A	94	77
10 (250)	24VAC	PBA2410	1810024*	.17A	94	78
6 (150)	120VAC	PBA1206	1806120*	.05A	92	83
8 (200)	120VAC	PBA1208	1808120*	.05A	99	84
10 (250)	120VAC	PBA12010	1810120*	.05A	99	86

All DC bells are polarized and have built-in transient protection.
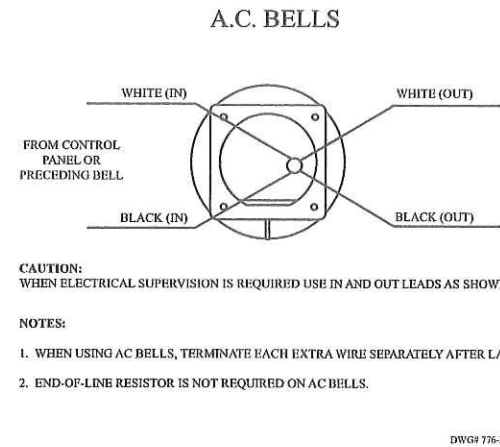* Does not have ULC listing.

⚠ WARNING

In outdoor or wet installations, bell must be mounted with weatherproof backbox, BBK-1 or BBX-1. Standard electrical boxes will not provide a weatherproof enclosure. If the bell and/or assembly is exposed to moisture, it may fail or create an electrical hazard.
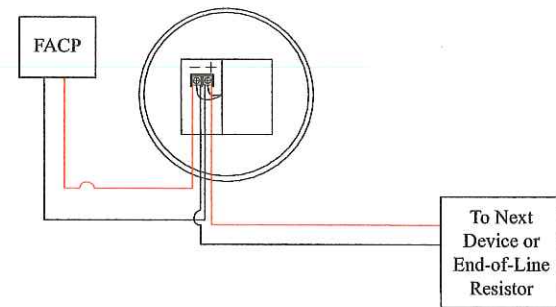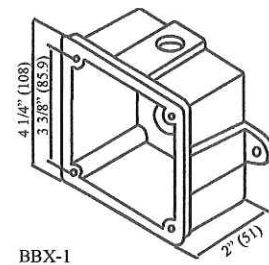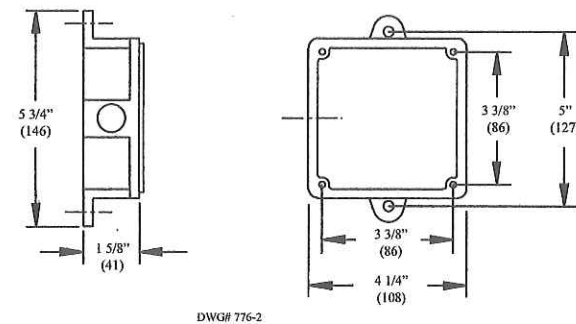

P POTTER
The Symbol of Protection

Bells Dimensions Inches (mm)
Fig. 1

10" (250)
8" (200)
6" (150)
2 11/16" (68)

DWG# 776-1

Wiring (rear view)
Fig. 3

A.C. BELLS

WHITE (IN)   WHITE (OUT)

FROM CONTROL
PANEL OR
PRECEDING BELL

BLACK (IN)   BLACK (OUT)

CAUTION:
WHEN ELECTRICAL SUPERVISION IS REQUIRED USE IN AND OUT LEADS AS SHOWN.

NOTES:

1. WHEN USING AC BELLS, TERMINATE EACH EXTRA WIRE SEPARATELY AFTER LAST BELL.

2. END-OF-LINE RESISTOR IS NOT REQUIRED ON AC BELLS.

DWG# 776-3

Weatherproof Backbox Dimensions Inches (mm)
Fig. 2

Box has one threaded 1/2" conduit entrance

5 3/4" (146)
1 5/8" (41)
3 3/8" (86)
4 1/4" (108)
3 3/8" (86)
5" (127)

DWG# 776-2

4 1/4" (108)
3 3/8" (85.9)
2" (51)

BBX-1

FACP

To Next
Device or
End-of-Line
Resistor

Installation

1. The bell shall be installed in accordance with NFPA 13, 72, or local AHJ. The top of the device shall be no less than 90" AFF and not less than 6" below the ceiling.
2. Remove the gong.
3. Connect wiring (see Fig. 3).
4. Mount bell mechanism to backbox (bell mechanism must be mounted with the striker pointing down).
5. Reinstall the gong (be sure that the gong positioning pin, in the mechanism housing, is in the hole in the gong).
6. Test all bells for proper operation and observe that they can be heard where required (bells must be heard in all areas as designated by the authority having jurisdiction).

⚠ WARNING

Failure to install striker down will prevent bell from operating.

SYSTEM SENSOR®

Outdoor Selectable-Output Horns, Strobes, and Horn Strobes for Wall Applications

(handwritten: SCREW INTO MORTAR (NOT BRICK))

SPECTR**Alert**
A D V A N C E
from System Sensor

SpectrAlert® Advance outdoor audible visible products are rich with features that cut installation times and maximize profits.

Features

- Weatherproof per NEMA 4X, IP56
- Listed to UL 1638 (strobe) and UL 464 (horn)
- Compatible with System Sensor synchronization protocol and legacy SpectrAlert products
- Field-selectable candela settings: 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, and 185
- Automatic selection of 12- or 24-volt operation at 15 and 15/75 candela
- Rotary switch for horn tone and three volume selections
- Horn rated at 88+ dBA at 16 volts
- Rated from –40°F to 151°F
- Universal mounting plate with an onboard shorting spring that tests wiring continuity before devices are installed
- Plug-in design with minimal intrusion into the back box
- Tamper-resistant construction
- Listed for ceiling or wall mounting

Agency Listings

SIGNALING

(UL) LISTED
S4011 (chimes, horn strobes, horns)
S3593 (outdoor and alert strobes)

FM APPROVED
3023572

MEA approved
MEA452-05-E

7300-1653:187 (outdoor strobes)
7125-1653:188 (horn strobes, chime strobes)
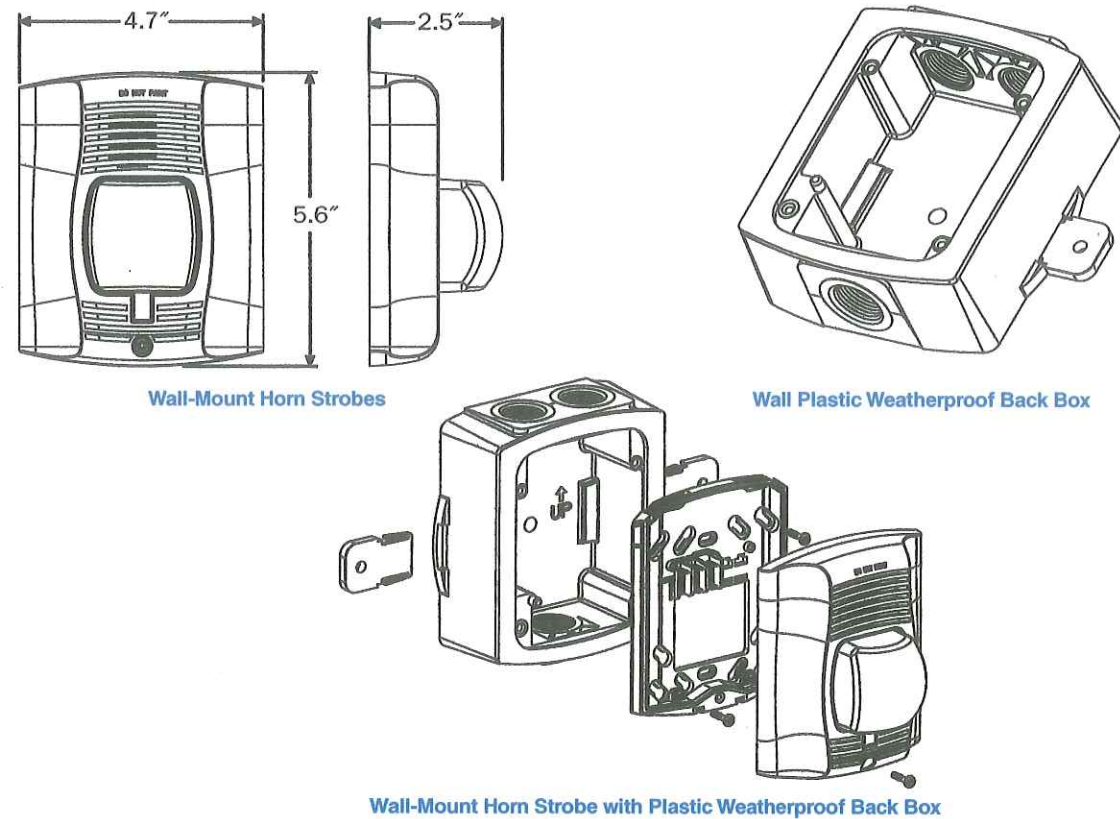7135-1653:189 (horns, chimes)

SpectrAlert Advance offers the broadest line of outdoor horns, strobes, and horn strobes in the industry. With white or red plastic housings, wall or ceiling mounting options, and plain or FIRE-printed devices, SpectrAlert Advance can meet virtually any application requirement, including indoor, outdoor, wet, and dry applications in temperatures from –40°F to 151°F.

Like the entire SpectrAlert Advance line, outdoor horns, strobes, and horn strobes for wall applications include a variety of features that increase application flexibility and simplify installation. First, field-selectable settings, including candela, automatic selection of 12- or 24-volt operation, horn tones, and three volume options enable installers to easily adapt devices to meet requirements.

Next, SpectrAlert Advance devices use a universal mounting plate for both wall and ceiling applications. This mounting plate includes an onboard shorting spring that ensures wiring continuity before devices are installed, so installers can verify proper wiring without mounting the devices and exposing them to potential construction damage. Once the plates are mounted, all SpectrAlert Advance devices utilize a plug-in design with a single captured screw to speed installation and virtually eliminate costly ground faults.

Outdoor devices ship with weatherproof plastic back boxes (metal back boxes are available separately) that accommodate in-and-out wiring for daisy chaining devices. Plastic back boxes feature removable side flanges and improved resistance to saltwater corrosion. Knock-outs located on the back eliminate the need to drill holes for screw-in mounting. Plastic and metal weatherproof back boxes come with ¾-inch top and bottom conduit entries and ¾-inch knock-outs at the back. A screw-in NPT plug with an O-ring gasket for a watertight seal is included with each back box.

SpectrAlert Advance Diagrams

Wall-Mount Horn Strobes

Wall Plastic Weatherproof Back Box

Wall-Mount Horn Strobe with Plastic Weatherproof Back Box

SpectrAlert Advance Ordering Information

Model	Description
Wall Horn Strobes	
P2RK*†	2-Wire Horn Strobe, Standard cd, Red, Outdoor (includes plastic weatherproof back box)
P2RHK*†	2-Wire Horn Strobe, High cd, Red, Outdoor (includes plastic weatherproof back box)
P2WK*†	2-Wire Horn Strobe, Standard cd, White, Outdoor (includes plastic weatherproof back box)
P2WHK*†	2-Wire Horn Strobe, High cd, White, Outdoor (includes plastic weatherproof back box)
P4RK†	4-Wire Horn Strobe, Standard cd, Red, Outdoor (includes plastic weatherproof back box)
P4WK	4-Wire Horn Strobe, Standard cd, White, Outdoor (includes plastic weatherproof back box)
P2RHK-120	2-Wire Horn Strobe, High cd, Red, Outdoor, 120 V (includes plastic weatherproof back box)
Wall Strobes	
SRK*†	Strobe, Standard cd, Red, Outdoor (includes plastic weatherproof back box)
SRHK*†	Strobe, High cd, Red, Outdoor (includes plastic weatherproof back box)
SWK*†	Strobe, Standard cd, White, Outdoor (includes plastic weatherproof back box)
SWHK*†	Strobe, High cd, White, Outdoor (includes plastic weatherproof back box)
Horns	
HRK†	Horn, Red, Outdoor (includes plastic weatherproof back box)
Accessories	
SA-WBB	Red, Metal Weatherproof Back Box
SA-WBBW	White, Metal Weatherproof Back Box

Notes:
* Add "-P" to model number for plain housing (no "FIRE" marking on cover), e.g., P2RK-P.
† Add "-R" to model number for weatherproof replacement device (no back box included), only for use with weatherproof outdoor flush mounting plate, WTP and WTPW.
"Standard cd" refers to strobes that include 15, 15/75, 30, 75, 95, 110, and 115 candela settings. "High cd" refers to strobes that include 135, 150, 177, and 185 candela settings. **When replacing standard outdoor units both the device and back box must be replaced.**

Single Inlet FDC

Used to provide supplemental water to a building's fire protection system.

Features a round, flush type appearance and unobstructed waterway.

All units come complete with wall plate and plug & chain.

Part Number	Size & Configuration	Finish
FDC111-01	1½" F NPT x 1½" F NST Swivel	Rough Brass
FDC111-02	1½" F NPT x 1½" F NPSH Swivel	Rough Brass
FDC111-04	2½" F NPT x 2½" F NST Swivel	Rough Brass
FDC111-06	2½" F NPT x 2½" F NST Swivel	Polished Chrome

Bell

Strobe

Nearby Horn/Strobe Installation