APPENDIX D
FIRE DEPARTMENT DETAILS

SECTION D101
GENERAL

D101.1 Scope. The following pages provide common detail that the Phoenix Fire Department, Fire Prevention office have approved for both new and existing buildings located within the City of Phoenix.

These details can be used by design professionals and contractors. These details can be modified and reviewed and approved.

The CAD drawing for each of these details is available on our website at: www.phoenix.gov/fire/prevention.

The remainder of this appendix is organized by components:

- Fire Protection Signage Details
- Fire Lane Signage
- Controlled Access Gates
- Hydrants
- Directories
- Stairways
- Hazmat Identification
- Section Valves
NOTES:
1. THE SIGN FACE SHALL BE 12" X12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS, ADDITIONAL KERNING BETWEEN LETTERS AS SHOWN.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG² 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

SPRINKLER CONNECTION
SIGN DETAIL

NOTES:

1. THE SIGN PLATE SHALL BE 12" X 18" WITH A THICKNESS OF .080 ALUMINUM CONSTRUCTION AND 1½" RADIUS CORNERS.

2. SIGN FACE SHALL HAVE A WHITE REFLECTIVE BACKGROUND WITH RED LEGEND, USING THE STANDARD 3M SCOTCHLITE SIGN FACE NUMBER R7-32 OR EQUIVALENT, WITH RED SCREED PRINTED LETTERING AS SHOWN ABOVE.

3. INFORMATION LOCATED INSIDE RED ARROW WILL BE DETERMINED BY FIRE PREVENTION EMERGENCY ACCESS OFFICER.

4. REQUIRES PRE-APPROVAL BY FIRE CODE OFFICIAL.

SPECIAL APPLICATION
FIRE DEPT. HOSE CABINET SIGNS

2- 3/4" LETTERS X 5/8" STROKES
2- 3/4" LETTERS X 5/8" STROKES
1/2" LETTERS X 5/16" STROKES
1/4" LETTERS X 1/8" STROKES
1-1/16" LETTERS X 1/4"

NOTES:
1. THE SIGN FACE SHALL BE 12" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.
2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.
4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES ( A OR B ) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.
6. TO BE INSTALLED ABOVE FIRE DEPT. HOSE CABINETS. MOUNT ON 4 CORNERS.
7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
NOTES:
1. THE SIGN FACE SHALL BE 14" X 14" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS. ADDITIONAL KERNING BETWEEN LETTERS AS SHOWN.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG^3 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 880-I OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
      BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

Special Application
POST INDICATOR VALVE SIGN

PLAN VIEW

POST INDICATOR VALVE

ELEVATION VIEW

POST INDICATOR VALVE

SIGN DETAIL

P.I.V. ZONE 13 - 14

NOTES:
1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/8" RADIUS CORNERS.
2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.
4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8800 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
      BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.
6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

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(Outside Maricopa County) www.arizblue.com
NO PARKING & INDICATOR VALVE SIGNAGE
SPECIAL APPLICATION

TOP VIEW

NOTES:
1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/8" RADIUS CORNERS.
2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.
4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.
6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

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NO PARKING & INDICATOR VALVE SIGNAGE
SPECIAL APPLICATION

NOTES:
1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/8" RADIUS CORNERS.
2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.
4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.
6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
LAYOUT OF SIGNAGE, HYDRANT & VALVE SPECIAL APPLICATION

TYPICAL STANDARD
FIRE LANE SIGN
SEE DETAIL 1.1
POST INDICATOR
VALVE SIGN

4 FT

POST INDICATOR VALVE

OPEN OR SHUT

CURB & GUTTER

GRADE

FIRE LANE NO PARKING

ELEVATION VIEW

FIRE LANE STENCILING
3" X \frac{1}{2}" LETTERING

4 FT

CURB & GUTTER

FIRE LANE NO PARKING

PLAN VIEW
Each fire department connection shall be identified by a permanent weather resistant sign. When the building system supplied by the FDC does not supply the entire building or supplies multiple buildings the sign shall identify the buildings or areas of the buildings supplied by the FDC. Fire department connections shall designate service design - for example, AUTOSPRKR., STANDPIPE, and DRYSTANDPIPE. A sign shall also indicate the pressure required at the inlets to deliver the greatest systems demand if the system demand pressure is greater than 150 psi.

**F.D.C. SIGN DETAILS**
WHITE REFLECTIVE BACKGROUND
RED TRANSPARENT FILM

**CONSTRUCTION and INSTALLATION NOTES:**

1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG3 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK. BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. TO BE INSTALLED ON THE WALL 5 - 7 FEET ABOVE GRADE OVER F.D.C. INLET.

7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
NOTES:

1. THE SIGN FACE SHALL BE 12" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.

   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. MOUNT ON ALL 4 CORNERS.

7. REQUIRES PRE-APPROVAL BY FIRE PREVENTION HAZMAT SECTION.
NOTES:
1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH ½" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 880I OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
NOTES:
1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 880i OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
NOTES:
1. THE SIGN FACE SHALL BE 8" X 6" AND FABRICATED FROM .080 ALUMINUM SHEET WITH ¼" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS, LETTERING IS 1¼" X ¾" STROKE.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
Each fire department connection shall be identified by a permanent weather resistant sign. When the building system supplied by the FDC does not supply the entire building or supplies multiple buildings the sign shall identify the buildings or areas of the buildings supplied by the FDC. Fire department connections shall designate service design - for example, AUTOSPKR., STANDPIPE, and DRYSTANDPIPE. A sign shall also indicate the pressure required at the inlets to deliver the greatest systems demand if the system demand pressure is greater than 150 psi.

NOTES:
1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.
2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS ADDITIONAL KERNING BETWEEN LETTERS AS SHOWN.
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.
4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.
6. TO BE INSTALLED ON THE WALL 7 FEET ABOVE GRADE OVER F.D.C. VALVE.
7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

APPROVED PHOENIX FIRE DEPARTMENT SPRINKLER SIGNS
Each fire department connection shall be identified by a permanent weather resistant sign. When the building system supplied by the FDC does not supply the entire building or supplies multiple buildings the sign shall identify the buildings or areas of the buildings supplied by the FDC. Fire department connections shall designate service design - for example, AUTOSPRKR., STANDPIPE, and DRYSTANDPIPE. A sign shall also indicate the pressure required at the inlets to deliver the greatest systems demand if the system demand pressure is greater than 150 psi.

**CONSTRUCTION and INSTALLATION NOTES:**

1. **THE SIGN FACE SHALL BE 12" X12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.**

2. **FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS**

3. **THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG® 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.**

4. **LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:**
   A. **3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (BROWN 1179 SERIES OR GREEN 1177 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.**
   B. **SCREEN PRINTED USING 3M 8800 SERIES TRAFFIC SIGN BROWN TRANSLUCENT INK.**

   **BOTH PROCESSES (A OR B) WILL ACCOMPLISH A BROWN FIELD WITH WHITE COPY.**

5. **ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.**

6. **TO BE INSTALLED ON THE WALL 5 - 7 FEET ABOVE GRADE OVER F.D.C. INLET.**

7. **REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771**

**RESIDENTIAL MULTIFAMILY**

**BROWN OR GREEN F.D.C. SIGNS**
NOTES:

1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM, (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

**Special Application**

**F.D.C. & RISER CABINET IDENTIFICATION SIGN**
NOTES:

1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG² 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM, (BROWN 1179 SERIES OR GREEN 1177 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 880I OR 880-00 SERIES TRAFFIC SIGN BROWN OR GREEN TRANSLUCENT INK.
   BOTH PROCESSES ( A OR B ) WILL ACCOMPLISH A DARK FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

Special Application

RESIDENTIAL MULTI-FAMILY F.D.C. & RISER CABINET IDENTIFICATION SIGN
NOTES:
1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1⁄2" RADIUS CORNERS.
2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG® 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.
4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM, (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.
6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
NOTES:
1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.
2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG® 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.
4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM, (GREEN 1177 SERIES OR BROWN SERIES 1179) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 880I OR 880-00 SERIES TRAFFIC SIGN GREEN OR BROWN TRANSLUCENT INK.
   BOTH PROCESSES ( A OR B ) WILL ACCOMPLISH A DARK FIELD WITH WHITE COPY.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.
6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

Special Application
ALL RESIDENTIAL MULTI-FAMILY
F.D.C. RISER ROOM
IDENTIFICATION SIGN
SPECIAL FIRE DEPARTMENT
MASTER F.D.C. SIGN

MASTER F.D.C.
SUPPLIES
ALL ON SITE

• HYDRANTS
• BLDG. SPRINKLERS
• BLDG. STANDPIPES

NOTES:

1. THE SIGN FACE SHALL BE 24" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG® 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM, (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. TO BE INSTALLED ON THE WALL 7 FEET ABOVE GRADE OVER F.D.C. VALVE.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL, 602-262-6771

SPECIAL APPLICATION
FIRE LANE SIGN
MOUNTED WITH 2-3/8" CARRIAGE BOLTS
2-FLAT OR FENDER WASHERS
2-NUTS

"U" CHANNEL POST
GRADE CLASS 'A'
CONCRETE FOOTING
12" DIA

7 FT REQUIRED

FIRE LANE SIGN
 (BACK VIEW)

FIRE LANE SIGN
 (FRONT VIEW)

BEND BOLT TO
REDUCE TAMPERING

CARRIAGE BOLTS
(TYPICAL 2 PLACES)

3" X 1/8" LETTERING
(TYPICAL FOR ALL SIGNS)

3" X 1/8" LETTERING
1 3/8" X 3/8" LETTERING
3" X 1/8" LETTERING

NOTES:
1. THE SIGN FACE SHALL BE 12" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. TO BE INSTALLED 5 FEET ABOVE GRADE, POST SHALL BE 12" TO 18" FROM BACK OF CURB OR BACK OF SIDEWALK AND MUST FACE THE ONCOMING TRAFFIC.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
NOTES:

1. THE SIGN FACE SHALL BE 18" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG® 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

---

Special Application

F.D.C. DIRECTIONAL SIGN
NOTES:

1. THE SIGN FACE SHALL BE 32" X 24" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG² 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (BLACK 1178 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURER'S MATCH COMPONENT SYSTEM.

6. SIGN IS TO BE INSTALLED ADJACENT TO CITY STREET AND SHALL NOT BE OBSCURED BY LANDSCAPING.

7. FIRE DEPT. RECOMMENDS YOU BLUE STAKE BEFORE YOU DIG.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
NOTES:

1. THE SIGN FACE SHALL BE 12" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK. BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. INSTALLED KNOX KEY BOX MODEL 1658 NEXT TO LOCK ON FIRE DEPT. ACCESS DOOR.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
FIGURE 5-2
FIRE DEPARTMENT ACCESS ROAD
TURNING RADIUS

SCALE: 1:20
FIGURE 5-2A
EMERGENCY MEDICAL ACCESS ROAD
TURNING RADIUS

R53 FT OUTSIDE RADIUS
R45 FT CENTERLINE RADIUS
R37 FT INSIDE RADIUS

CENTERLINE
16 FT

SCALE: 1:20
FIGURE 5-3

ANY FIRE LANE OVER 200’ TO DEAD-END, THEN ONE OF THE ABOVE TURNAROUNDS SHALL BE PROVIDED.
CONSTRUCTION ACCESS SIGN
DURING CONSTRUCTION

NOTE:
1. THE SIGN PLATE SHALL BE 48" X 48" WITH A THICKNESS OF .080 ALUMINUM CONSTRUCTION AND 1/8" RADIUS CORNERS. THE LOWER HALF OF SIGN PLATE IS NOT REQUIRED TO BE RED REFLECTIVE SHEETING. THIS SIGN CAN BE REVISED AND TRANSFERRED FROM SITE TO SITE.

6" WHITE LETTERING SHALL BE 3M SCOTCHCAL HIGH PERFORMANCE OPAQUE FILM, SERIES 7725.

.080 ALUMINUM BACKGROUND WITH RED 3M SCOTCHLITE ENGINEER GRADE REFLECTIVE FILM, SERIES 3200.

SEPARATE, REMOVABLE .080 ALUMINUM SIGN PLATE. WHITE LETTERING SHALL BE 3M SCOTCHCAL HIGH PERFORMANCE OPAQUE FILM, SERIES 7725. LETTERING SHALL BE LARGE ENOUGH TO BE EASILY READABLE FROM A DISTANCE OF 200 TO 300 FEET. BACKGROUND SHALL BE 3M SCOTCHCAL HIGH PERFORMANCE OPAQUE FILM, SERIES 7725 (NON-REFLECTIVE) COLOR TO BE RED OR A COLOR OF EQUALLY HIGH CONTRAST TO WHITE LETTERING.

COPY IS TO IDENTIFY THE FOLLOWING:
- NAME OF HOMES OR BUSINESS
- ADDRESS OF PROPERTY
- SITE SUPERINTENDENT'S NAME
- AND CELL PHONE NUMBER OR PHONE NUMBER OF RESPONSIBLE PARTY.
1. THE SIGN PLATE SHALL BE A MINIMUM OF 12" X 18" WITH A THICKNESS OF .080 ALUMINUM CONSTRUCTION.

2. THE SIGN FACE SHALL HAVE A WHITE REFLECTIVE BACKGROUND WITH A RED LEGEND. USE THE STANDARD 3M SCOTCHLITE SIGN FACE NUMBER R7-32 OR EQUIVALENT, WITH RED SCREEN PRINTED LETTERING AS SHOWN ABOVE.
1. The sign plate shall be a minimum of 12" x 18" with a thickness of .080 aluminum construction.

2. The sign face shall have a white reflective background with a red legend. Use the standard 3M Scotchlite sign face number R7-32 or equivalent, with red screen printed lettering as shown above.

3. Special application details must be pre-approved by a fire code official 602-262-6771
RECOMMEND
THE FOLLOWING MATERIALS FOR INSTALLATION:

10 FT LONG U-CHANNEL GALVANIZED OR PAINTED POST

FIRE SIGN (12" X 18") .080 ALUMINUM CONSTRUCTION WITH WHITE REFLECTIVE BACKGROUND AND RED SCREEN PRINTED LEGEND (SEE DETAIL 1.1)

¼" BOLTS & NUTS LARGE FLAT OR FENDER WASHERS

SIGN MUST FACE THE ONCOMING TRAFFIC

POST SHALL BE INSTALLED 12" TO 18" FROM BACK OF CURB OR BACK OF SIDEWALK

FIRE DEPT. RECOMMENDS YOU BLUE STAKE BEFORE YOU DIG.

FIRE LANE SIGN POST & INSTALLATION
NOTES:

1. APPROVED SIGNS SHALL BE CONSTRUCTED OF .080 ALUMINUM WITH A REFLECTIVE BACKGROUND.

2. MINIMUM OF \( \frac{1}{4} \)" BOLTS W/ FLAT WASHERS AND NUTS THAT BOLT THROUGH.

3. POST FOOTING SHALL BE 12" IN DIAM. AND 18" IN DEPTH.

4. THE SIGN SHALL BE LOCATED 7 FT FROM GRADE TO BOTTOM OF SIGN.

5. FIRE LANE SIGN SHALL BE INSTALLED 12" TO 18" FROM BACK OF CURB OR BACK OF SIDEWALK.

6. SIGNS MUST FACE THE ONCOMING TRAFFIC.
WALL SIGN BRACKET
"FLAG MOUNT"

SHOWS:
BACK SIDE
OF 12" X 18"
SIGN

MOUNT SIGN
1" OFFSET

NOTES:

1. 3/16" THICK 2" X 3" X 15 3/4" ALUMINUM ANGLE BRACKET

2. THE SIGN PLATE SHALL BE A MINIMUM OF 12" X 18" WITH A
THICKNESS OF .080 ALUMINUM CONSTRUCTION.

3. APPROVED SIGN BRACKET IS AVAILABLE FOR FLAG MOUNTED
F.D. ACCESS SIGNS. BRACKET CAN BE USED ON EITHER THE
RIGHT OR LEFT SIDE OF SIGN.

4. THIS APPLICATION ONLY AVAILABLE WHEN SIGN CANNOT BE
INSTALLED ON AN APPROVED POST.

5. THIS APPLICATION MUST BE PRE-APPROVED BY A FIRE CODE
OFFICIAL  602-262-6771
NOTES:

1. SEE DETAIL FOR PROPER FIRE LANE PAINT STRIPING.

2. THE SAME DISTANCES FOR SIGNAGE ON POSTS ALSO APPLIES TO THE WALL MOUNTED SIGNS.

3. FLAG MOUNT SIGNS MAY ONLY BE USED WHEN THERE IS NO ROOM FOR A POST.

4. MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL 602-262-6771

APPROVED WALL MOUNT BRACKET FIRE LANE SIGN
FIRE LANE STRIPING DETAIL FOR ALONG WALLS, FENCES & BUILDINGS

**Notes:**

1. Striping shall be painted safety red. 6 inches wide hash striping running approx. 4 ft. to 6 ft. apart.

2. See detail for required fire lane sign placements.
FIRE LANE STRIPING, STENCILING AND SIGN INSTALLATION

STANDARD DETAIL 1 (WITHOUT STENCIL)

NOTES:

1. APPROVED FIRE LANE SIGNS SHALL BE INSTALLED 12" TO 18" FROM BACK OF CURB OR BACK OF SIDEWALK.

2. SIGN MUST FACE THE ONCOMING TRAFFIC.

3. STENCILS SHALL BE IN WHITE LETTERING (3" HT. ½" STROKE) ON RED PAINTED CURB.

4. STENCIL SHALL READ "FIRE LANE NO PARKING".

3½" X ½" WHITE LETTERING ON RED CURB
STENCIL SHALL BE CENTERED BETWEEN SIGNS ON CURB FACE

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FIRE LANE STRIPING FOR HYDRANTS

NOTES:

- BLUE HYDRANT REFLECTOR SHALL BE PLACED 1 FT OFF OF CENTERLINE TOWARD HYDRANT SIDE.
- PUBLIC HYDRANT YELLOW
- PRIVATE HYDRANT YELLOW WITH WHITE REFLECTIVE BONNET.
- OVER 100 PSI WILL BE SIGNED HIGH PRESSURE.
1. THE SIGN PLATE SHALL BE A MINIMUM OF 12" X 18" WITH A THICKNESS OF .080 ALUMINUM CONSTRUCTION.

2. THE SIGN FACE SHALL HAVE A WHITE REFLECTIVE BACKGROUND WITH RED LEGEND. USE STANDARD 3M SCOTCHLITE FACE NUMBER R7-32 OR EQUIVALENT, WITH RED SCREEN PRINTED LETTERING AS SHOWN ABOVE.

3. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS.

4. DECORATIVE TRIM PLATE SHALL BE 14" X 20" WITH A THICKNESS OF .080 ALUMINUM, COLOR OWNERS CHOICE.

DESIGNER SERIES
FIRE LANE SIGN
DESIGNER FIRE LANE SIGN POST & INSTALLATION

CARRIAGE BOLTS (TYPICAL 2 PLACES)
BEND BOLT TO REDUCE TAMPERING

TOP VIEW

DECORATIVE TRIM PLATE 14" x 20" COLOR OWNERS CHOICE
FIRE LANE SIGN MOUNTED WITH 2-CARRIAGE BOLTS 2-WASHERS 2-NUTS
2" x 2" SQUARE METAL POST 12 GAUGE .105 THICKNESS

14"
20"

12"
18"

7 FT REQUIRED

GRADE

CLASS 'A' CONCRETE FOOTING 12" DIA.

REAR VIEW

FRONT VIEW

NOTES:

1. THE SIGN PLATE SHALL BE 12" X 18" WITH A THICKNESS OF .080 ALUMINUM CONSTRUCTION.
2. THE SIGN FACE SHALL HAVE A WHITE REFLECTIVE BACKGROUND WITH RED SCREEN PRINTED LEGEND.
3. LETTERS USING A HANDEL GOTHIC BT CAPITAL FONT.
4. DECORATIVE TRIM PLATE SHALL BE 14" X 20" WITH A THICKNESS OF .080 ALUMINUM, COLOR OWNER'S CHOICE.
5. 10 FT LONG PAINTED 2" X 2" SQUARE OR ROUND POST SHALL BE INSTALLED 12" TO 18" FROM BACK OF CURB OR BACK OF SIDEWALK.
6. THE SIGN SHALL BE LOCATED 7 FT FROM GRADE TO BOTTOM OF SIGN.
7. MINIMUM OF ¾" BOLTS W/ FLAT WASHERS & NUTS THAT BOLT THROUGH POST.
8. SIGNS MUST FACE THE ONCOMING TRAFFIC.
SPECIAL APPLICATION DETAILS
MUST BE PRE-APPROVED BY A
FIRE CODE OFFICIAL
602-262-6771

8" WHITE THERMOPLASTIC
STRIPING OR WHITE GLASS
BEAD PAINT - APPLY 2 COATS

MIN. 45 FT CENTER
TURNING RADIUS

35 FT RADIUS

MIN. 45 FT CENTER
TURNING RADIUS

55 FT RADIUS

FIRE LANE

8" WHITE THERMOPLASTIC STRIPING
INSTALL PREFORMED PAVEMENT
MARKINGS TYPE 1
(AZ. DOT. SECT. 705-705-2.01)

LETTERS 24" HT.
4" STROKE
USING HANDEL
GOTHIC CAPTIAL
LETTERS

12 FT - 3 IN

FIRE LANE

21 FT - 4 IN

20 FT

STREET

SPECIAL APPLICATION
ALTERNATIVE FIRE LANE
MARKING SYSTEM
NOTES:
1. LETTERS 24" HT, 3" STROKE, USING HANDEL GOTHIC CAPITAL LETTERS.

2. INSTALL PERFORMED PAVEMENT MARKINGS TYPE 1 (AZ. DOT SECT. 705-705-2.01).

3. SPECIAL APPLICATION DETAILS MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL 602-262-6771

SPECIAL APPLICATION
ALTERNATIVE FIRE LANE MARKING SYSTEM
INSTALLATION INSTRUCTIONS for HARD SURFACES (Asphalt / Concrete):

3 TYPES OF ADHESIVE ARE ACCEPTABLE FOR INSTALLING RED & BLUE HYDRANT MARKERS
A. WEDCO A-4036 EPOXY PART A RESIN
   PART B CATALYST
B. THERMOSET EP-308 EPOXY RESIN PART 'A'
   EP-308 EPOXY HARDENER PART 'B'
C. BITUMINOUS ADHESIVE

NOTE: LIQUID NAILS TYPE ADHESIVE IS UNACCEPTABLE

REFLECTOR REQUIREMENTS
The adhesive shall be placed uniformly on the cleaned pavement surface in an amount sufficient to result in complete coverage of the area of contact of the markers, with no void present and with a slight excess after the markers have been placed. The markers shall be placed in position and pressure applied until firm contact is made with the pavement. The marker shall be protected against impact until the adhesive has set to the degree acceptable to the Engineer.

SPECIAL APPLICATION DETAILS MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL 602-262-6771
1. FIRE LANES SHALL HAVE A VERTICAL CLEARANCE OF NO LESS THAN 14 FT. AND A MIN. WIDTH OF 20 FT.
2. FULL 20 FT. FIRE LANE WIDTH SHALL BE CONSTRUCTED WITH A COMBINATION OF HARD SURFACE AND
   PRE-ENGINEERED PLASTIC PAVER SYSTEM AS APPROVED BY THE CITY.
3. FIRE LANE CAN MEANDER, BUT SHALL NOT EXCEED THE MIN. 45 FT CENTER LINE TURNING RADIUS.
   (35' RADIUS INSIDE / 55' RADIUS OUTSIDE)
4. AREAS OUTSIDE AND BETWEEN WALKS MUST BE DECOMPOSED GRANITE OR APPROVED GRASS
   PAVING SYSTEM IN THE FIRE LANE AREA.
5. REFER TO STANDARD ALTERNATIVE SURFACE FIRE APPARATUS ROAD STIPULATIONS PAGE
   AND PHOENIX FIRE CODE CHAPTER 9.

RED MARKERS INSTALLATION INSTRUCTIONS:
3 TYPES OF ADHESIVE ARE ACCEPTABLE FOR INSTALLING RED MARKERS
A. WEDCO A-4036 EPOXY PART A RESIN
   PART B CATALYST
B. THERMOSET EP-308 EPOXY RESIN PART 'A'
   EP-308 EPOXY HARDENER PART 'B'
C. BITUMINOUS ADHESIVE
NOTE: LIQUID NAILS TYPE ADHESIVE IS UNACCEPTABLE

REFLECTOR REQUIREMENTS
The adhesive shall be placed uniformly on the cleaned pavement surface in an amount sufficient to result in
complete coverage of the area of contact of the markers, with no void present and with a slight excess after the
markers have been placed. The markers shall be placed in position and pressure applied until firm contact is made with
the pavement. The marker shall be protected against impact until the adhesive has set to the degree acceptable
to the Engineer.

ALTERNATIVE SURFACE INTERIOR FIRE LANE
N.T.S.

ALTERNATIVE SURFACE INTERIOR FIRE LANE DETAIL
1. FIRE LINES SHALL HAVE A VERTICAL CLEARANCE OF NO LESS THAN 14 FT., AND A MIN. WIDTH OF 20 FT.

2. FULL 20 FT. FIRE LANE WIDTH SHALL BE CONSTRUCTED WITH A COMBINATION OF HARD SURFACE AND PRE-ENGINEERED PLASTIC PAVER SYSTEM AS APPROVED BY THE CITY.

3. FIRE LANE CAN MEANDER, BUT SHALL NOT EXCEED THE MIN. 45 FT CENTER LINE TURNING RADIUS.

   (35' RADIUS INSIDE / 55' RADIUS OUTSIDE)

4. AREAS OUTSIDE AND BETWEEN WALKS MUST BE DECOMPOSED GRANITE OR APPROVED GRASS PAVER SYSTEM IN THE FIRE LANE AREA.

5. REFER TO STANDARD ALTERNATIVE SURFACE FIRE APPARATUS ROAD STIPULATIONS PAGE AND PHOENIX FIRE CODE CHAPTER 9

6. RED MARKERS INSTALLATION INSTRUCTIONS:

   3 TYPES OF ADHESIVE ARE ACCEPTABLE FOR INSTALLING RED MARKERS

   A. WEDCO A-4036 EPOXY PART A RESIN
      PART B CATALYST
   B. THERMOSET EP-308 EPOXY RESIN PART 'A'
      EP-308 EPOXY HARDENER PART 'B'
   C. BITUMINOUS ADHESIVE

   NOTE: LIQUID NAILS TYPE ADHESIVE IS UNACCEPTABLE

REFLECTOR REQUIREMENTS

The adhesive shall be placed uniformly on the cleaned pavement surface in an amount sufficient to result in complete coverage of the area of contact of the markers, with no void present and with a slight excess after the markers have been placed. The markers shall be placed in position and pressure applied until firm contact is made with the pavement. The marker shall be protected against impact until the adhesive has set to the degree acceptable to the Engineer.
REMOVABLE FIRE LANE BOLLARD

LOCKING DETAIL

PLATE VIEW

BOLLARDS SHALL BE PAINTED CHROME YELLOW

FIRE LANE NO PARKING
BY ORDER OF THE FIRE MARSHAL
Phoenix Fire Code

2" X 4" SLOTTED HAND HOLE BOTH SIDES

2" WIDE STEEL COLLAR WITH CUT OUT FOR LOCKING L - BRACKET

6" DIA. INSIDE X 6 5/8" DIA. OUTSIDE SCHEDULE 40 PIPE

SLEEVE PIPE SHALL BE 6 7/8" DIA INSIDE X 8" DIA OUTSIDE SCHEDULE 160 PIPE

ANGLE IRON STITCH WELD TO SLEEVE

ELEVATION VIEW

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REMOVABLE FIRE LANE SIGN

TOP VIEW

FIRE LANE SIGN

FLAT STRAP
9"L X 1"W
3/16" HT

12" X 18"
FIRE LANE SIGN

CONCRETE FOOTING
12" DIA

GRADE

6 FT.

2 1/2" X 2 1/2" X 1/8"
SQUARE METAL POST

TOP POST
2 1/2" X 2 1/2"
1/8" THICK
SQUARE METAL

P2

P1

BOTTOM SLEEVE
3" X 3" X 3/16"
SQUARE METAL
(20" IN LENGTH)

ANGLE IRON
SPOT WELD
TO SLEEVE

ANGLE IRON

FIRE LANE SIGN
SPOT WELD
TO SLEEVE

GRADE

18"

FIRE LANE SIGN
(BACK VIEW)

FIRE LANE SIGN
(SIDE VIEW)

FIRE LANE SIGN
(FRONT VIEW)

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REMOVABLE  FIRE  LANE  SIGN

PART# 3750
The adhesive shall be placed uniformly on the cleaned pavement surface in an amount sufficient to result in complete coverage of the area of contact of the markers, with no void present and with a slight excess after the markers have been placed. The markers shall be placed in position and pressure applied until firm contact is made with the pavement. The marker shall be protected against impact until the adhesive has set to the degree acceptable to the Engineer.

3 TYPES OF ADHESIVE ARE ACCEPTABLE FOR INSTALLING RED & BLUE HYDRANT MARKERS

A. WEDCO A-4036 EPOXY PART A RESIN
   PART B CATALYST

B. THERMOSET EP-308 EPOXY RESIN PART 'A'
   EP-308 EPOXY HARDENER PART 'B'

C. BITUMINOUS ADHESIVE

NOTE: LIQUID NAILS TYPE ADHESIVE IS UNACCEPTABLE

REFLECTOR REQUIREMENTS

The adhesive shall be placed uniformly on the cleaned pavement surface in an amount sufficient to result in complete coverage of the area of contact of the markers, with no void present and with a slight excess after the markers have been placed. The markers shall be placed in position and pressure applied until firm contact is made with the pavement. The marker shall be protected against impact until the adhesive has set to the degree acceptable to the Engineer.

SPECIAL APPLICATION DETAILS MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL 602-262-6771
NOTES:
1. THE SIGN FACE SHALL BE 8" X 4" AND FABRICATED FROM .080 ALUMINUM SHEET WITH ½" RADIUS CORNERS.
2. LETTERS 1¼" X ½" STROKE, FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS.
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.
4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.
6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
PHOENIX FIRE DEPT. DIRECTIONAL SIGN FOR APPARATUS ACCESS

3" WHITE LETTERING

F.D. ACCESS

EXIT SIDE

ONLY

3" WHITE LETTERING

3" WHITE LETTERING

ARROW LINE THICKNESS OF 5/16" (.3125)

5" WHITE LETTERING

NOTES:
1. THE SIGN FACE SHALL BE 36" X 24" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG3 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM, (BLACK 1178 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN BLACK TRANSLUCENT INK.
   BOTH PROCESSES ( A OR B ) WILL ACCOMPLISH A DARK FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. THE SIGN SHALL IDENTIFY THE CORRECT LANE FOR FIRE DEPT. EMERGENCY APPARATUS TO ACCESS AT RESTRICTED GATE LOCATIONS.

7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

Special Application
NOTES:
1. THE SIGN FACE SHALL BE 36" X 24" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG3 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM, (BLACK 1178 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 880I OR 880-00 SERIES TRAFFIC SIGN BLACK TRANSLUCENT INK.
   BOTH PROCESSES ( A OR B ) WILL ACCOMPLISH A DARK FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. THE SIGN SHALL IDENTIFY THE CORRECT LANE FOR FIRE DEPT. EMERGENCY APPARATUS TO ACCESS AT RESTRICTED GATE LOCATIONS.

7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

Special Application

APPROVED PHOENIX FIRE DEPT. GATE ACCESS SIGN
F.D. ACCESS ONLY
ALL OTHERS USE MAIN ENTRANCE OFF CENTRAL AVE

NOTES:
1. THE SIGN FACE SHALL BE 24" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH \( \frac{1}{2} \)" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG\(^3\) 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

SPECIAL APPLICATION
SPECIAL FIRE DEPT. ACCESS SIGN
NOTES:
1. THE SIGN FACE SHALL BE 24" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG3 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM, (BROWN 1179 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 880I OR 880-00 SERIES TRAFFIC SIGN BROWN TRANSLUCENT INK.
   BOTH PROCESSES ( A OR B ) WILL ACCOMPLISH A DARK FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. THE SIGN SHALL IDENTIFY THE CORRECT LANE FOR FIRE DEPT. EMERGENCY APPARATUS TO ACCESS AT RESTRICTED GATE LOCATIONS.

7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

Special Application
**NOTES:**

1. **KNOX KEY SEE STROBE DETAIL**

2. **ELEVATION VIEW SEE DETAIL BELOW**

3. **STROBE DETECTOR DETAIL PROPERTY SIDE ELEVATION VIEW**

4. **STROBE DETAIL ABOVE STREET SIDE PROPE RTY SIDE PROFILE VIEW**

5. **PLAN VIEW**

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1. **EACH AUTOMATIC GATE SHALL HAVE TOMAR MODEL 2795-2 DUAL HEAD UNIT.**

2. **DETECTORS SHALL BE MOUNTED 8 TO 10 FEET FROM GRADE ON A 4" X 4" METAL POST. DETECTORS SHALL BE ON SEPARATE POST, NOT ON GUIDE POST.**

3. **DETECTORS SHALL POINT TOWARD THE APPROACH PATH AND EXIT PATH OF THE EMERGENCY VEHICLES. DETECTORS MUST ACTIVATE WITHIN 150 FEET FROM GATE.**

4. **THE POWER MODULE SHALL BE MOUNTED IN AN ELECTRICAL JUNCTION BOX, UNDER THE DETECTORS ON THE SAME 4" X 4" METAL POST.**

5. **THE 4" X 4" SQUARE POST WITH DETECTOR AND POWER MODULE SHALL BE INSTALLED ON THE PROPERTY SIDE OF THE GATE.**

6. **APPROVED EMERGENCY KEY SWITCH SHALL BE INSTALLED ON THE ENTRANCE AND EXIT SIDE OF EACH ACCESS GATE. ENTRANCE SWITCH SHALL BE LOCATED ABOVE THE RESIDENCE KEY PAD 5½ FT FROM GRADE. EXIT SWITCH SHALL BE RECESSED INTO THE 4" X 4" POST WITH THE DUAL DETECTORS AND POWER MODULE UNIT.**

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**Requirements:**

- The minimum overall width of the gate shall be 20 feet.
- Gate controller box (GCB)
- 4" X 4" SQUARE METAL POST
- 6 FT FROM GRADE
- GATE CONTROLLER BOX (GCB)
- OPEN SWITCH
- 4 TAMPER RESISTANT SCREWS
- TOMAR MODEL 2795-2
- ELECTRIC LINES IN CONDUIT
- 90° ELBOW
- ELECTRICAL JUNCTION BOX WITH MODULE UNIT
- MODULE LOCATION
- 4" X 4" POST WITH PREEMPTION STROBE DETECTOR
- SEE STROBE DETAIL ABOVE
- STREET SIDE
- ACCESS

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**Relevant Sections:**

- Property Side Profile View
- Elevations View
- Plan View
- Detail View

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**Requires Permit:**

- 4" X 4" SQUARE METAL POST
- GATE
- BOX
- LOCK NUT
- KNOX KEY SWITCH FLUSH MOUNTED
- ELECTRIC LINES IN CONDUIT
- TOMAR MODEL 2795-2
Provides an approved Knox Key Switch model #3502 on guest key pad pedestal at the entrance and Knox Key Switch on preemption post on property side both installed 5% ft above grade.

The minimum overall width of the gate opening shall be 20 ft. Notice, larger openings is preferred, if possible.

F.D. approve Knox Key Switch can be purchased at PFD-Fire Prevention, 150 South 12th St. with an approved fire permit.

TOMAR MODEL 2795-2 Dual Head Unit
PREEMPTION DETECTORS

Access pads elev. detail

Entrance Island
Elev. detail (from visitor lane)

Requires Permit
Retro fitting existing property w/ auto gate & guest pullout lane
SOLAR POWERED EMERGENCY ACCESS GATE

PROFILE VIEW
(PROPERTY SIDE)

NOTES:

1. EACH AUTOMATIC GATE SHALL HAVE 2 DETECTORS OR A BI DIRECTIONAL DETECTOR.

2. DETECTORS SHALL BE MOUNTED 10 FEET FROM GRADE ON A 4" X 4" METAL POST. DETECTORS SHALL BE ON SEPARATE POST, NOT ON GUIDE POST.

3. DETECTORS SHALL POINT TOWARD THE APPROACH PATH AND EXIT PATH OF THE EMERGENCY VEHICLES. DETECTORS MUST ACTIVATE WITHIN 150 FEET FROM GATE.

4. THE 4" X 4" SQUARE POST WITH DETECTORS, THE SOLAR PANELS AND GATE CONTROLLER SHALL BE INSTALLED ON THE PROPERTY SIDE OF THE GATE.

5. APPROVED EMERGENCY KEY SWITCH SHALL BE INSTALLED ON THE ENTRANCE AND EXIT SIDE OF EACH ACCESS GATE. ENTRANCE SWITCH SHALL BE LOCATED 5½ FT FROM GRADE ON EXTERIOR GUIDE POST. EXIT SWITCH SHALL BE 5½ FT FROM GRADE, RECESSED INTO THE 4" X 4" POST WITH THE DUAL DETECTORS AND PHOTOVOLTAIC CELL UNIT.

6. APPROVED FIRE LANE SIGNS WITH REFLECTIVE BACKGROUND, PLACES BACK TO BACK, AND FASTENED ON ALL 4 CORNERS. (SEE UFC FIGURE 9-4)

7. SOLAR GATES MUST MEET THE SAME STANDARDS REQUIRED FOR MANUAL GATES.

SPECIAL APPLICATION
Requires Permit
NOTES:

1. Gate release pump to be accessible from both sides of gate, 3 feet from gate.
2. Lock cabinet doors with Knox padlock, one for each door.
3. Locate emergency gate release sign above pump box, on both sides of gate.
4. Locate pump sign on inside of pump box doors.
5. All residential properties require a battery back-up/no manual release.
6. For commercial properties - key switch shall be recessed in 4"x4" square post adjacent to gate (on both sides).
7. Key switches and Fire Dept. Knox pad locks can be purchased at PFD - Fire Prevention 150 South 12th St., Hrs. 8AM - 4:30PM - must have original order form & F.D. permit.
8. The minimum overall width of the gate opening shall be 20 feet.

APPEAL REQUIRED

L. Hertz
NOTES:
1. THE SIGN FACE SHALL BE 18" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH ½" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. THE SIGN SHALL IDENTIFY THE LOCATION OF MANUAL POWERED OVERRIDE SWITCH.

7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

Special Application
Appeal Required
ENTRANCE ISLAND DETAILS FOR COMMUNITIES WITHOUT AUTOMATIC GATES

NOTES:

1. MUST HAVE AN ORIGINAL ORDER FORM AND FIRE DEPT. GATE PERMIT TO PURCHASE KEY SWITCH.

2. ORDER FORMS FOR KNOX KEY SWITCHES ARE AVAILABLE THROUGH THE INSPECTORS IN FIRE PREVENTION. CALL 602-262-6771 FOR ORDER FORMS.
MINIMUM OVERALL WIDTH OF GATE SHALL BE 20 FEET

GUARD

DETECTORS SHALL BE MOUNTED 8 TO 10 FEET FROM GRADE ON A 4" X 4" METAL POST.

NO MIRRORS SHALL SUBSTITUTE THE REQUIREMENTS OF TWO DETECTORS PER GATE.

DETECTORS SHALL POINT TOWARD THE APPROACH PATH AND EXIT PATH OF THE EMERGENCY VEHICLES. DETECTORS MUST ACTIVATE 150 FEET FROM GATE.

THE POWER MODULE SHALL BE MOUNTED IN AN ELECTRICAL JUNCTION BOX, UNDER THE DETECTORS ON THE SAME 4" X 4" METAL POST.

THE 4" X 4" SQUARE POST WITH DETECTOR AND POWER MODULE SHALL BE INSTALLED ON THE PROPERTY SIDE OF THE GATE. ( NOT ON GUIDE POST )

APPROVED EMERGENCY KEY SWITCH SHALL BE INSTALLED ON THE ENTRANCE AND EXIT SIDE OF EACH ACCESS GATE. ENTRANCE SWITCH SHALL BE LOCATED ABOVE THE RESIDENCE KEY PAD 5½ FT FROM GRADE. EXIT SWITCH SHALL BE LOCATED ON THE 4" X 4" POST WITH THE DUAL DETECTORS AND POWER MODULE UNIT.

NOTES:
1. DETECTORS SHALL BE MOUNTED 8 TO 10 FEET FROM GRADE ON A 4" X 4" METAL POST. NO MIRRORS SHALL SUBSTITUTE THE REQUIREMENTS OF TWO DETECTORS PER GATE.

2. DETECTORS SHALL POINT TOWARD THE APPROACH PATH AND EXIT PATH OF THE EMERGENCY VEHICLES. DETECTORS MUST ACTIVATE 150 FEET FROM GATE.

3. THE POWER MODULE SHALL BE MOUNTED IN AN ELECTRICAL JUNCTION BOX, UNDER THE DETECTORS ON THE SAME 4" X 4" METAL POST.

4. THE 4" X 4" SQUARE POST WITH DETECTOR AND POWER MODULE SHALL BE INSTALLED ON THE PROPERTY SIDE OF THE GATE. ( NOT ON GUIDE POST )

5. APPROVED EMERGENCY KEY SWITCH SHALL BE INSTALLED ON THE ENTRANCE AND EXIT SIDE OF EACH ACCESS GATE. ENTRANCE SWITCH SHALL BE LOCATED ABOVE THE RESIDENCE KEY PAD 5½ FT FROM GRADE. EXIT SWITCH SHALL BE LOCATED ON THE 4" X 4" POST WITH THE DUAL DETECTORS AND POWER MODULE UNIT.

AUTOMATIC GATE ENTRANCE W/ 3 STROBE DETECTORS
TOMAR PREEMPTION DETECTOR
MODEL 2795-2
3 TOMAR PREEMPTION DETECTORS
MODEL 2795-3

NOTE:
3 HEADS ARE REQUIRED WITH 90° TURNING LAYOUTS
3 TOMAR PREEMPTION DETECTOR
MODEL 2795-3

NOTE:

3 HEADS ARE REQUIRED WITH 90° TURNING LAYOUTS.
1.25" (1/4") LETTERING, ¼" STROKE
1.25" (1/4") LETTERING, ¼" STROKE
1.125" (1 1/8") LETTERING, ¼" STROKE
1.125" (1 1/8") LETTERING, ¼" STROKE
1.125" (1 1/8") LETTERING, ¼" STROKE

NOTES:
1. THE SIGN FACE SHALL BE FABRICATED FROM .080 ALUMINUM SHEET WITH ¼" RADIUS CORNERS.
2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS.
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.
4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.
6. THE SIGN SHALL IDENTIFY THE LOCATION OF THE HANDLE TO RELEASE HYDRAULIC PRESSURE FOR OPENING GATE (SEE DETAIL 7.7)
7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

SPECIAL APPLICATION
FOR MANUAL PUMP RELEASE
APPEAL REQUIRED
SPECIAL APPLICATION
ACCESS SIGNAGE
Notes:
1. Approved sign, with reflective background, to identify the name of the apartment complex and the location of the access entrance.
2. Property owner/management padlock.
3. Fire Dept. padlock shall be accessible from both sides of gate. Order forms for Knox padlocks are available through either the gate inspectors in fire prevention or call F.P. 602-262-6771 for order forms.
4. Approved fire lane signs with reflective background, placed back to back, and fastened on all 4 corners.
5. 6" red parking lot striping at the locations shown on concrete curbs and applied to asphalt (see emergency access detail 8.5).
6. The minimum overall width of the gate opening shall be 20 ft. (larger is better).
7. Weld modified L-bracket to gate frame. Round all edges. (typical 2 places)
8. Locking bar length is determined by the frame width and the gap width between the 2 gates. Remove all sharp edges & round all corners.
9. Approved fire dept. access sign with white 3M diamond grade DG background placed back to back.

Requires Permit

Knox Padlock Locking System Detail
KNOX PADLOCK LOCKING FOR A ROLLING GATE SYSTEM

NOTES:
1. APPROVED SIGN, WITH REFLECTIVE BACKGROUND, TO IDENTIFY THE NAME OF THE APARTMENT COMPLEX AND THE LOCATION OF THE ACCESS ENTRANCE PROPERTY OWNER/MANAGEMENT PADLOCK.
2. FIRE DEPT. PADLOCK SHALL BE ACCESSIBLE FROM BOTH SIDES OF GATE.
3. ORDER FORMS FOR KNOX PADLOCKS ARE AVAILABLE THROUGH GATE INSPECTORS IN FIRE PREVENTION OR CALL 602-262-6771 FOR ORDER FORMS.
4. APPROVED FIRE LANE SIGNS WITH REFLECTIVE BACKGROUND, PLACED BACK TO BACK AND FASTENED ON ALL 4 CORNERS.
5. RED 6" PARKING LOT STRIPING AT THE LOCATIONS SHOWN ON CONCRETE CURBS AND APPLIED TO ASPHALT (SEE EMERGENCY ACCESS DETAIL 8.5)
6. THE MINIMUM OVERALL CLEAR WIDTH OF THE GATE OPENING SHALL BE 20 FT. (LARGER IS BETTER)
7. WELD MODIFIED L-BRACKET TO GATE FRAME, ROUND ALL EDGES. (TYPICAL 2 PLACES)
8. LOCKING BAR LENGTH IS DETERMINED BY THE FRAME WIDTH AND THE GAP WIDTH BETWEEN THE 2 GATES. REMOVE ALL SHARP EDGES & ROUND ALL CORNERS.
9. APPROVED FIRE DEPT. ACCESS SIGN WITH WHITE 3M DIAMOND GRADE DG3 BACKGROUND PLACED BACK TO BACK.
NOTES:

1. APPROVED FIRE LANE SIGNS WITH REFLECTIVE BACKGROUND, PLACED BACK TO BACK AND FASTENED ON ALL 4 CORNERS (SEE IFC).

2. APPROVED FIRE DEPT. ACCESS SIGN W/ REFLECTIVE BACKGROUND PLACED BACK TO BACK (SEE IFC).

3. STRIPING SHALL BE PAINTED SAFETY RED. 6" WIDE HASH STRIPING APPROX. 4FT TO 6FT APART. (SEE DETAIL 8.5)

4. THE MINIMUM OVERALL WIDTH OF THE GATE OPENING SHALL BE 20 FT.

5. WELD MODIFIED L-BRACKET TO GATE FRAME.

6. LOCKING BAR LENGTH IS DETERMINED BY THE FRAME WIDTH AND THE GAP WIDTH BETWEEN THE 2 GATES. REMOVE ALL SHARP EDGES/ROUND ALL CORNERS. 3/4" DIA. HOLE MIN, HOLE DIAMETER DETERMINED BY SIZE OF PADLOCK.

7. ORDER FORMS FOR KNOX LOCK BOXES, PADLOCKS AND KEY SWITCHED ARE AVAILABLE THROUGH THE GATE INSPECTORS IN FIRE PREVENTION. CALL 602-262-6771 FOR ORDER FORMS.

REQUIRES PERMIT

MANUAL ROLLING GATE DETAILS
1. APPROVED FIRE LANE SIGNS WITH REFLECTIVE BACKGROUND, PLACED BACK TO BACK AND FASTENED ON ALL 4 CORNERS (SEE IFC).

2. APPROVED FIRE DEPT. ACCESS SIGN W/ WHITE 3M DIAMOND GRADE D' REFLECTIVE BACKGROUND PLACED BACK TO BACK (SEE IFC).

3. STRIPING SHALL BE PAINTED SAFETY RED. 6" WIDE HASH STRIPING APPROX. 4FT TO 6FT APART. (SEE DETAIL 8.5).

4. LOCKING BAR LENGTH IS DETERMINED BY THE FRAME WIDTH AND GAP WIDTH BETWEEN THE 2 GATES. REMOVE ALL SHARP EDGES/ROUND ALL CORNERS. 3/4" DIA HOLE MIN, HOLE DIAMETER DETERMINED BY SIZE OF PADLOCK.

5. WELD MODIFIED L-BRACKET TO GATE FRAME.

6. THE MINIMUM OVERALL WIDTH OF THE GATE OPENING SHALL BE 20 FT.

7. FIRE DEPT. KNOX PADLOCK SHALL BE ACCESSIBLE FROM BOTH SIDES OF THE GATE. ORDER FORMS FOR KNOX PADLOCKS ARE AVAILABLE THROUGH GATE INSPECTORS IN FIRE PREVENTION. CALL 602-262-6771 FOR ORDER FORMS.

NOTES:

- 2" ROUND GATE POST
- L-BRACKET WELDED TO FRAME OF GATE (SEE DETAIL)
- 2" X ½" STEEL LOCKING BAR (MIN. 3/4" DIA HOLES (TYP BOTH SIDES))
- 2" ROUND GATE POST
- TENSION BAR
- TENSION BAND
- PROPERTY MANAGEMENT PADLOCK
- PULL BAR
- FIRE DEPT KNOX PADLOCK
- DUAL LOCK HASP DETAIL FOR CHAIN LINK FENCES

MANUAL CHAIN LINK SECURITY GATE DETAILS

Requires Permit

F.D. ACCESS

F. D.

ACCESS

PROPERTY MANAGEMENT

PADLOCK

NOTE: CALL FIRE PREVENTION-ACCESS OFFICER FOR QUESTIONS OR ASSISTANCE (602)262-6771 OR (602)256-3382.
**GENERAL NOTES:**

1. **APPROVED SIGN,** WITH REFLECTIVE BACKGROUND, TO IDENTIFY THE NAME OF THE APARTMENT COMPLEX AND THE LOCATION OF THE ACCESS ENTRANCE. 1" X ½" MOUNTING STRAPS.

2. PROPERTY OWNER/MANAGEMENT PADLOCK

3. FIRE DEPT. PADLOCK SHALL BE ACCESSIBLE FROM BOTH SIDES OF GATE. ORDER FORMS FOR KNOX PADLOCKS ARE AVAILABLE THROUGH EITHER THE GATE INSPECTORS IN FIRE PREVENTION OR CALL 602-262-6771 FOR ORDER FORMS.

4. APPROVED FIRE LANE SIGNS WITH REFLECTIVE BACKGROUND, PLACED BACK TO BACK AND FASTENED ON ALL 4 CORNERS. ⅛" X ½" MOUNTING STRAPS.

5. FIRE LANE STRIPING SHALL BE PROVIDED AT EACH MANUAL GATE. SEE F.D. DETAIL 8.5 FOR STRIPING EXAMPLES.

6. THE MINIMUM OVERALL WIDTH OF THE GATE OPENING SHALL BE 20 FT.

7. WELD MODIFIED L-BRACKET TO GATE FRAME. ROUND ALL EDGES. (TYPICAL 2 PLACES)

8. LOCKING BAR LENGTH IS DETERMINED BY THE FRAME WIDTH AND THE GAP WIDTH BETWEEN THE 2 GATES. REMOVE ALL SHARP EDGES / ROUND ALL CORNERS.

9. APPROVED FIRE DEPT. ACCESS SIGN WITH WHITE 3M DIAMOND GRADE DG2 BACKGROUND PLACED BACK TO BACK.

**POST GATE NOTES:**

10. 3" X 3" X .120 POST 7 FT W/ CAP APPROVED COLOR CHROME YELLOW

11. 2" X 2" X .120 RAILS APPROVED COLOR CHROME YELLOW

12. 5" HEAVY DUTY BARREL HINGES (TYPICAL 4 PLACES)

**MANUAL POST VEHICLE SECURITY GATE**

Requires Permit
GENERAL NOTES:

1. APPROVED SIGN, WITH REFLECTIVE BACKGROUND, TO IDENTIFY THE NAME OF THE APARTMENT COMPLEX AND THE LOCATION OF THE ACCESS ENTRANCE.  \( x\)" X \( \frac{1}{2} \)" MOUNTING STRAPS.

2. PROPERTY OWNER/MANAGEMENT PADLOCK

3. FIRE DEPT. PADLOCK SHALL BE ACCESSIBLE FROM BOTH SIDES OF GATE.  ORDER FORMS FOR KNOX PADLOCKS ARE AVAILABLE THROUGH THE GATE INSPECTORS IN FIRE PREVENTION, OR CALL 602-262-6771 FOR ORDER FORMS.

4. APPROVED FIRE LANE SIGNS WITH REFLECTIVE BACKGROUND, PLACED BACK TO BACK AND FASTENED ON ALL 4 CORNERS.  \( x\)" X \( \frac{1}{2} \)" MOUNTING STRAPS.

5. FIRE LANE STRIPING SHALL BE PROVIDED AT EACH MANUAL GATE.  SEE F.D. DETAIL 8.5 FOR STRIPING EXAMPLES.

6. THE MINIMUM OVERALL WIDTH OF THE GATE OPENING SHALL BE 20 FT.

7. WELD MODIFIED L-BRACKET TO GATE FRAME. ROUND ALL EDGES.  (TYPICAL 2 PLACES)

8. LOCKING BAR LENGTH IS DETERMINED BY THE FRAME WIDTH AND THE GAP WIDTH BETWEEN THE 2 GATES.  REMOVE ALL SHARP EDGES / ROUND ALL CORNERS.

9. APPROVED FIRE DEPT. ACCESS SIGN WITH WHITE 3M DIAMOND GRADE DG3 BACKGROUND PLACED BACK TO BACK.

10. 24" X 36" CONCRETE POST FOOTINGS

APPROVED SIGN, WITH REFLECTIVE BACKGROUND, TO IDENTIFY THE NAME OF THE APARTMENT COMPLEX AND THE LOCATION OF THE ACCESS ENTRANCE.  \( x\)" X \( \frac{1}{2} \)" MOUNTING STRAPS.

PROPERTY OWNER/MANAGEMENT PADLOCK

FIRE DEPT. PADLOCK SHALL BE ACCESSIBLE FROM BOTH SIDES OF GATE.  ORDER FORMS FOR KNOX PADLOCKS ARE AVAILABLE THROUGH THE GATE INSPECTORS IN FIRE PREVENTION, OR CALL 602-262-6771 FOR ORDER FORMS.

APPROVED FIRE LANE SIGNS WITH REFLECTIVE BACKGROUND, PLACED BACK TO BACK AND FASTENED ON ALL 4 CORNERS.  \( x\)" X \( \frac{1}{2} \)" MOUNTING STRAPS.

FIRE LANE STRIPING SHALL BE PROVIDED AT EACH MANUAL GATE.  SEE F.D. DETAIL 8.5 FOR STRIPING EXAMPLES.

THE MINIMUM OVERALL WIDTH OF THE GATE OPENING SHALL BE 20 FT.

WELD MODIFIED L-BRACKET TO GATE FRAME. ROUND ALL EDGES.  (TYPICAL 2 PLACES)

LOCKING BAR LENGTH IS DETERMINED BY THE FRAME WIDTH AND THE GAP WIDTH BETWEEN THE 2 GATES.  REMOVE ALL SHARP EDGES / ROUND ALL CORNERS.

APPROVED FIRE DEPT. ACCESS SIGN WITH WHITE 3M DIAMOND GRADE DG3 BACKGROUND PLACED BACK TO BACK.

24" X 36" CONCRETE POST FOOTINGS

SINGLE MANUAL SWING SECURITY GATE

Requires Permit
FIRE LANE STRIPING DETAILS FOR MANUAL GATES

RED FIRE LANE STRIPING MUST BE A MINIMUM OF ONE HALF THE DISTANCE OF AREA BEHIND GATE.

NOTE:
STRIPING SHALL BE PAINTED SAFETY RED. 6 INCHES WIDE HASH STRIPING RUNNING APPROX. 4 FT. TO 6 FT. APART.

Requires Permit
MANUAL GATE APPLICATION
FIRE LANE & DIRECTIONAL SIGN

**FIRE LANE SIGN**  
(DETAIL 1.1)

1. **FIRE LANE NO PARKING**  
   BY ORDER OF THE  
   FIRE MARSHAL  
   PHOENIX FIRE CODE

**DIRECTIONAL SIGN**

Note:  
DIRECTIONAL SIGN ABOVE CANNOT EXCEED 36" LONG X 24" HIGH IN SIZE. SIGN SIZE CAN BE SMALLER IF PRINTED DIRECTIONS WILL FIT AND MEET 3" LETTER REQUIREMENT.

NOTES:

1. THE SIGN FACE SHALL BE 12" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.

2. FONTS USED FOR ADDRESSING MUST BE LEGIBLE AND EASY TO READ. THE USE OF DIFFERENT FONTS MUST BE PRE-APPROVE BY A FIRE CODE OFFICIAL.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG® 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DARK CONTRASTING, 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (3M 1170 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.

5. THE SIGN SHALL IDENTIFY THE NAME OF THE APARTMENT OR BUSINESS COMPLEX AND THE LOCATION OF THE MAIN ACCESS ENTRANCE.

6. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

7. TO FORM A GRAFFITI BARRIER 3M 1160 PROTECTION OVERLAY FILM MAYBE APPLIED OVER SIGN.
MANUAL GATE APPLICATION
FIRE LANE & DIRECTIONAL SIGN

FIRE LANE SIGN
(DETAIL 1.1)

DIRECTIONAL SIGN

2" LETTERS
1 1/2" LETTERS
3/4" LETTERS

Apartment Name
APARTMENT ACCESS
(Street Name)

NOTE:
DIRECTIONAL SIGN ABOVE CANNOT EXCEED
36" LONG X 24" HIGH IN SIZE. SIGN SIZE CAN
BE SMALLER IF PRINTED DIRECTIONS WILL FIT
AND MEET 3" LETTER REQUIREMENT.

.080 Aluminum Sheet

WHITE 3M 4090 Diamond Grade,
DG Reflective Sheeting
See Note 3

See Note 4 & 5

TEXT & GRAPHICS HERE

5/16" (.3125") ARROW LINE THICKNESS

NOTES:
1. THE SIGN FACE SHALL BE 12" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET
   WITH 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING
   (DG® 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM
   PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM,
      (GREEN 1177 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND
      TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN GREEN
      TRANSLUCENT INK.
      BOTH PROCESSES ( A OR B ) WILL ACCOMPLISH A DARK FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING
   MANUFACTURES MATCH COMPONENT SYSTEM.

6. TO FORM A GRAFFITI BARRIER 3M 1160 PROTECTION OVERLAY FILM MAY BE APPLIED
   OVER SIGN.

7. THE SIGN SHALL IDENTIFY THE NAME OF THE APARTMENT OR BUSINESS COMPLEX AND
   THE LOCATION OF THE MAIN ACCESS ENTRANCE.

8. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
THE MINIMUM OVERALL WIDTH OF THE GATE OPENING SHALL BE 4 FT.

VERTICAL CLEARANCE
SEE NOTE 4
GRADE

THE VERTICAL CLEARANCE MINIMUM OF 2" AND A MAXIMUM OF 4"
REFER TO BUILDING CODE REQUIREMENTS.

4" X 4" SQUARE POST
SELF LATCHING
DEVICE

OWNERS PADLOCK

KNOX KEY BOX
MODEL 1658

WELD KNOX KEY
BOX TO WROUGHT
IRON FENCE

4" X 4" SQUARE POST

4 FT

5 FT MINIMUM

54" MIN.

ELEVATION DETAIL
GATE BARRIER

24" X 24" X 24" FOOTING
(TYPICAL BOTH SIDES-2 PLACES)

NOTES:

1. KEY TO LOCK MUST BE PLACED IN THE APPROVED FIRE DEPT. KEY BOX. KEY BOX MUST BE WELDED ONTO FENCE PICKET FACING STREET.
2. THE MINIMUM OVERALL WIDTH OF THE GATE OPENING SHALL BE 4 FT.
3. THE VERTICAL CLEARANCE MINIMUM OF 2" AND A MAXIMUM OF 4" REFER TO BUILDING CODE REQUIREMENTS.
4. ALL DIMENSIONS MUST COMPLY WITH THE PHOENIX CODE.

APPROVED PEDESTRIAN GATE REQUIREMENTS
BARRIERS FOR SWIMMING POOLS
SPAS & HOT TUBS

KNOX KEY SWITCH DETAIL FOR
MAG LOCKING APPLICATIONS
ON PEDESTRIAN GATES

NOTES:

1. KNOX KEY SWITCH ACCESSIBLE FROM BOTH SIDES OF GATE
2. THE MINIMUM OVERALL WIDTH OF THE GATE OPENING SHALL BE 4 FT.
3. THE VERTICAL CLEARANCE MINIMUM OF 2" AND A MAXIMUM OF 4"
   REFER TO BUILDING CODE REQUIREMENTS.
4. ALL DIMENSIONS MUST COMPLY WITH THE UNIFORM BUILDING CODE
   FOR SPECIAL USE AND OCCUPANCY SECTION 419 THRU 421.
APPROVED PEDESTRIAN GATE REQUIREMENTS

NOTES: (STREET SIDE):
1. LOCKING DEVICE ON GATE MUST OPERATE WITH KEY. LOCK MUST FACE STREET SIDE.

2. KEY TO LOCK MUST BE PLACED IN APPROVED FIRE DEPT. KEY BOX. KEY BOX MUST BE WELDED ON FENCE PICKET FACING STREET.

ORDER FORMS FOR KNOX LOCK BOXES, PADLOCKS AND KEY SWITCHES ARE AVAILABLE THROUGH GATE INSPECTORS IN FIRE PREVENTION. CALL 602-262-6771 FOR ORDER FORMS.

3. THE MINIMUM OVERALL WIDTH OF THE GATE SHALL BE 4 FT.

4. WIDTH OF CONCRETE PAD WILL INCREASE BY 18" IF DISABLED PERSON MIGHT APPROACH FROM THE STREET SIDE.

NOTES (PROPERTY SIDE):
5. GATE MUST BE ABLE TO BE OPENED WITHOUT A KEY OR SPECIAL KNOWLEDGE.

6. AN APPROVED PROTECTION SLEEVE MAY BE PLACED OVER THE LEVER HANDLE.

7. WIDTH OF CONCRETE PAD SHOULD BE INCREASED BY 12" IF THE GATE HAS A CLOSER.

PLANNED VIEW
NOTES:
1. THE SIGN FACE SHALL BE 12" X18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1½" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS, ADDITIONAL KERNING BETWEEN LETTERS AS SHOWN.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG® 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 880I OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
   BOTH PROCESSES (A OR B) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. REQUIRES PRE-APPROVAL BY FIRE CODE OFFICIAL.

Special Application
NOTES:

- PUBLIC HYDRANTS SHALL BE PAINTED WITH OSHA APPROVED FEDERAL YELLOW

- PUBLIC HYDRANTS ON TRANSMISSION WATER MAINS (16” AND LARGER) SHALL BE PAINTED WITH OSHA APPROVED FEDERAL YELLOW AND HAVE A BLACK BONNET

- PRIVATE HYDRANTS SHALL BE PAINTED WITH OSHA APPROVED FEDERAL YELLOW AND HAVE A WHITE REFLECTIVE BONNET
ORDER FORMS FOR KEY SWITCHES ARE AVAILABLE THROUGH GATE INSPECTORS IN FIRE PREVENTION. CALL 602-262-6771 FOR ORDER FORMS.

ENTRANCE ISLAND TO RESIDENTIAL COMMUNITY WITH AUTOMATIC GATES
CONCRETE MASONRY UNIT (CMU)

FLUORESCENT FIXTURES (TYP. 3)

ON OFF SWITCH

ALUMINUM LIP

ELECTRICAL CONDUIT 110 VOLT

GRADE

TO POWER SUPPLY

NOTE:
1. SHOULD INCLUDE PHOTO CELL.
2. REFER TO ENTRANCE ISLAND DETAIL MORE FOR DIMENSION SPECIFICATIONS.

REQUIRES PERMIT

INTERNALLY ILLUMINATED SITE DIRECTORY DETAIL
NOTE:
1. THE FONT USED IS GILL SANS.  FONTS USED FOR ADDRESSING MUST BE LEGIBLE AND EASY TO READ.
2. THE USE OF DIFFERENT FONTS MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL.
CORRIDOR UNIT PLATE SAMPLE

NUMBER SIZE (FOUR DIGIT PLATE)
FOUR FLOORS

4" X 5/8" BRUSH STROKE
4 DIGIT NUMBERS - THOUSAND SERIES

NUMBER SIZE (FOUR DIGIT PLATE)
THREE FLOORS

4" X 5/8" BRUSH STROKE
4 DIGIT NUMBERS - THOUSAND SERIES

NUMBER SIZE (THREE DIGIT PLATE)
THREE FLOORS

4" X 5/8" BRUSH STROKE
3 DIGIT NUMBERS - HUNDREDS SERIES
101 - 199 NUMBER RANGE

NOTE:
1. THE FONT USED IS SEAGULL MD. FONTS USED FOR ADDRESSING MUST BE LEGIBLE AND EASY TO READ.

2. THE USE OF DIFFERENT FONTS MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL.
NOTE:
1. THE FONT USED IS SEAGULL MD.  FONTS USED FOR ADDRESSING MUST BE LEGIBLE AND EASY TO READ.
2. THE USE OF DIFFERENT FONTS MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL.
ALL NUMBERING IS SEAGULL MD BT FONT

NOTE:
1. THE FONT USED IS SEAGULL MD BT. FONTS USED FOR ADDRESSING MUST BE LEGIBLE AND EASY TO READ.
2. THE USE OF DIFFERENT FONTS MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL.

BUILDING NUMBERING & UNIT SPREAD NUMBERS FOR MULTI FAMILY COMMUNITIES
MUTI-FAMILY NUMBERING DETAIL
FOR COMMUNITIES w/
LESS THAN 100 TOTAL UNITS PER FLOOR

NOTE:
1. THE FONT USED IS SEAGULL MD. FONTS USED FOR
   ADDRESSING MUST BE LEGIBLE AND EASY TO READ.
2. THE USE OF DIFFERENT FONTS MUST BE
   PRE-APPROVED BY A FIRE CODE OFFICIAL.
MUTI-FAMILY NUMBERING DETAIL
FOR COMMUNITIES w/
LESS THAN 100 TOTAL UNITS PER FLOOR

18" BLDG. NUMBER
3" STROKE

ALL NUMBERING IS GILL SANS FONT

NOTE:
1. THE FONT USED IS SEAGULL MD. FONTS USED FOR ADDRESSING MUST BE LEGIBLE AND EASY TO READ.
2. THE USE OF DIFFERENT FONTS MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL.
SIGN NOTES:
1. SIGN PLATE SHALL BE .080 ALUMINUM WITH 1½" RADIUS CORNERS.
2. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG' 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATE.
3. LETTERING / NUMBERING/ GRAPHICS SHALL BE A DARK CONTRASTING, 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (3M 1170 SERIES). INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
4. TO FORM A GRAFFITI BARRIER 3M 1160 PROTECTION OVERLAY FILM MAYBE APPLIED OVER THE SIGN.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURE MATCH COMPONENT SYSTEM.

INSTALLATION NOTES:
1. BACK TO BACK SIGNS REQUIRED FOR TWO WAY TRAFFIC.
2. LANDSCAPING CANNOT OBSCURE SIGN.
3. SIGN MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL.
4. REQUIRES CITY OF PHOENIX SIGN PERMIT.
FIRE DEPT. ACCESS DIRECTIONAL SIGN FOR STREET LOCATION
INSTALL ADJACENT TO CITY STREET

SIGN NOTES:
1. SIGN PLATE SHALL BE .080 ALUMINUM WITH 1½" RADIUS CORNERS.
2. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATE.
3. LETTERING / NUMBERING/ GRAPHICS SHALL BE A DARK CONTRASTING, 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (3M 1170 SERIES). INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
4. TO FORM A GRAFFITI BARRIER 3M 1160 PROTECTION OVERLAY FILM MAYBE APPLIED OVER THE SIGN.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURE MATCH COMPONENT SYSTEM.

INSTALLATION NOTES:
1. BACK TO BACK SIGNS REQUIRED FOR TWO WAY TRAFFIC.
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FIRE DEPT. ACCESS DIRECTIONAL SIGN FOR STREET LOCATION
INSTALL ADJACENT TO CITY STREET

SIGN NOTES:
1. SIGN PLATE SHALL BE .080 ALUMINUM WITH 1½" RADIUS CORNERS.
2. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING
   (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM
   PLATE.
3. LETTERING / NUMBERING/ GRAPHICS SHALL BE A DARK CONTRASTING, 3M
   SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (3M 1170 SERIES).
   INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
4. TO FORM A GRAFFITI BARRIER 3M 1160 PROTECTION OVERLAY FILM MAYBE APPLIED OVER
   THE SIGN.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING
   MANUFACTURE MATCH COMPONENT SYSTEM.

SIGN NOTES:
1. SIGN PLATE SHALL BE .080 ALUMINUM WITH 1½" RADIUS CORNERS.
2. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING
   (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM
   PLATE.
3. LETTERING / NUMBERING/ GRAPHICS SHALL BE A DARK CONTRASTING, 3M
   SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (3M 1170 SERIES).
   INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
4. TO FORM A GRAFFITI BARRIER 3M 1160 PROTECTION OVERLAY FILM MAYBE APPLIED OVER
   THE SIGN.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING
   MANUFACTURE MATCH COMPONENT SYSTEM.

INSTALLATION NOTES:
1. BACK TO BACK SIGNS REQUIRED FOR TWO WAY TRAFFIC.
2. LANDSCAPING CANNOT OBSCURE SIGN.
3. SIGN MUST BE PRE-APPROVED BY A FIRE CODE OFFICIAL.
4. REQUIRES CITY OF PHOENIX SIGN PERMIT.
NOTES:

1. THE SIGN FACE SHALL BE 32" X 24" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/8" RADIUS CORNERS.

2. THE FONT USED IS ARIAL BLACK. FONTS USED FOR ADDRESSING MUST BE LEGIBLE AND EASY TO READ. THE USE OF DIFFERENT FONTS MUST BE PRE-APPROVED BY A FIRE PREVENTION EMERGENCY ACCESS OFFICER.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DARK CONTRASTING, 3M SCOTCHLTIE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (3M 1170 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. TO FORM A GRAFFITI BARRIER 3M 1160 PROTECTION OVERLAY FILM MAYBE APPLIED OVER SIGN.

7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL 602-262-6771
RESIDENTIAL ADDRESS PLATE

15\frac{1}{2}''

10224

4'' LETTERING
5/8'' STROKES

NOTES:

1. THE SIGN PLATE SHALL BE 15\frac{1}{2}'' X 5'' AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1\frac{1}{2}'' RADIUS CORNERS.

2. FONTS USED FOR ADDRESSING MUST BE LEGIBLE AND EASY TO READ.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG3 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DARK CONTRASTING, 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (3M 1170 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. TO FORM A GRAFFITI BARRIER 3M 1160 PROTECTION OVERLAY FILM MAYBE APPLIED OVER SIGN.

7. Requires pre-approval by a fire code official. 602-262-6771
NOTES:
1. SIGN PLATE SHALL BE .080 ALUMINUM, WHITE REFLECTIVE BACKGROUND WITH BLACK LETTERING & NUMBERS.
2. 2½" X 15" X 3/8" THICK L-SHAPED ALUMINUM MOUNTING BRACKET.

SPECIAL ADDRESS INSTALLATIONS
NOTES:
1. THE STREET SIGN PLATE SHALL BE 24" X 4 3/4 ", THE DEAD END STREET SIGN PLATE SHALL BE 24" X 8" BOTH ARE FABRICATED FROM .080 ALUMINUM SHEET.

2. FONTS USED FOR ADDRESSING MUST BE LEGIBLE AND EASY TO READ.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / NUMBERING SHALL BE DARK CONTRASTING, 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (3M 1170 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. TO FORM A GRAFFITI BARRIER 3M 1160 PROTECTION OVERLAY FILM MAY BE APPLIED OVER SIGN.

7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771
Figure 507.5.1(3)
ACCEPTABLE HYDRANT LOCATION WITH SPRINKLERS

600'-0" FROM HYDRANT TO ALL PARTS OF THE GROUND FLOOR EXTERIOR.

For SI: 1 foot = 304.8 mm.
NOTES:
1. THE SIGN FACE SHALL BE 12" X 14" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/8" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG² 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / NUMBERING SHALL BE HIGH PERFORMANCE, NON-REFLECTIVE, CUTTABLE VINYL (3M 7725 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. TO FORM A GRAFFITI BARRIER 3M 1160 PROTECTION OVERLAY FILM MAY BE APPLIED OVER SIGN.

7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

Special Application
PRIMARY & SECONDARY HIGHRISE STAIRWELL SIGNAGE
N.W. STAIR
NO ROOF ACCESS
20
B2 THRU 24

12" (1"") LETTERING, ¼" STROKE
1" LETTERING, 3/16" STROKE
5" LETTERING, 7/8" STROKE
1" LETTERING, 3/16" STROKE
1" LETTERING, 3/16" STROKE

BRISTLE SHALL BE GRADE 2 TYPE, INDICATING STAIRWELL LOCATION AND FLOOR NUMBER.
(Example: N.W. STAIRWELL FLOOR 20)
THE BRISTLE AND RAISE NUMBERS SHALL BE PLACED NO MORE THAN 2" APART AND SHALL BE CENTERED ON THE SIGN.

SIGN DETAIL

ELEVATION VIEW

NOTES:
1. THE SIGN FACE SHALL BE 12" X 14" AND FABRICATED FROM .080 ALUMINUM SHEET WITH ¼" RADIUS CORNERS.
2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS
3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG® 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.
4. LETTERING / GRAPHICS SHALL BE HIGH PERFORMANCE, NON-REFLECTIVE, CUTTABLE VINYL (3M 7725 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.
6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

ADA DISCLAIMER
THE INFORMATION PROVIDED ON THE BOTTOM 2" PORTION OF THIS SIGN IS ONLY INTENDED TO AID PEOPLE WITH VISUAL IMPAIRMENTS EXITING THE BUILDING. THE BRISTLE AND RAISED #S INDICATING STAIRWELL LOCATION AND FLOOR # MEETS ADA REQUIREMENTS FOR DIRECTIONAL SIGNAGE. ADDITIONAL INFORMATION DISPLAYED ON THE SIGN IS INTENDED FOR F.D. USE ONLY.

STAIRWELL MARKING DETAIL
NOTES:
1. THE SIGN FACE SHALL BE 12" X 14" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG³ 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE HIGH PERFORMANCE, NON-REFLECTIVE, CUTTABLE VINYL (3M 7725 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

STAIRWAY FLOOR SIGN DETAIL
NOTES:
1. THE SIGN FACE SHALL BE 12" X 14" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" RADIUS CORNERS.

2. THE SIGN SHALL IDENTIFY THE ELEVATOR NUMBERS AND LOBBY. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS.

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG3 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE HIGH PERFORMANCE, NON-REFLECTIVE, CUTTABLE VINYL (3M 7725 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

Special Application for Elevator Lobby Fire Doors

ELEVATOR LOBBY IDENTIFICATION SIGNS
1. The sign face shall be 12" x 12" and fabricated from .080 aluminum sheet with ½" radius corners.

2. Font style used is Hanbel Gothic BT capital fonts.

3. The sign face shall have a white 3M diamond grade reflective sheeting (DG³ 4090 series or equivalent) applied as a background to the aluminum plates.

4. Lettering / graphics shall be 3M Scotchlite acrylic, transparent, electronic cuttable film (Red 1172 series) inverse cut to allow white reflective background to show through.

5. All sign imaging shall be in compliance with the reflective sheeting manufactures match component system.

7. Requires pre-approval by a fire code official. 602-262-6771

Special Application

MECHANICAL REFRIGERATION SYSTEM
NOTES:
1. THE SIGN FACE SHALL BE 8" X 6" AND FABRICATED FROM .080 ALUMINUM SHEET
   WITH 2" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING
   (DG3 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM
      (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW
      THROUGH.
   B. SCREEN PRINTED USING 3M 8801 OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT
      INK.
   BOTH PROCESSES ( A OR B ) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES
   MATCH COMPONENT SYSTEM.

7. REQUIRES PRE-APPROVAL BY FIRE PREVENTION HAZMAT SECTION. 602-262-6771

APPROVED PHOENIX FIRE DEPARTMENT
DIESEL FUEL SIGN
NOTES:
1. THE SIGN FACE SHALL BE 36" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/8" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS

3. THE SIGN FACE SHALL HAVE A WHITE 3M DIAMOND GRADE REFLECTIVE SHEETING (DG² 4090 SERIES OR EQUIVALENT) APPLIED AS A BACKGROUND TO THE ALUMINUM PLATES.

4. LETTERING / GRAPHICS SHALL BE DONE ONE OF THE FOLLOWING WAYS:
   A. 3M SCOTCHLITE ACRYLIC, TRANSPARENT, ELECTRONIC CUTTABLE FILM (RED 1172 SERIES) INVERSE CUT TO ALLOW WHITE REFLECTIVE BACKGROUND TO SHOW THROUGH.
   B. SCREEN PRINTED USING 3M 880I OR 880-00 SERIES TRAFFIC SIGN RED TRANSLUCENT INK.
      BOTH PROCESSES ( A OR B ) WILL ACCOMPLISH A RED FIELD WITH WHITE COPY.

5. ALL SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURES MATCH COMPONENT SYSTEM.

6. NUMBERS OF LBS. CHANGES ACCORDING TO SYSTEM.

7. REQUIRES PRE-APPROVAL BY FIRE PREVENTION HAZMAT SECTION. 602-262-6771

Requires Permit
SPECIAL APPLICATION HAZ MAT SIGN
**12” x 12” Hazardous Materials Identification (Fire Diamond)**

**Occupancy Name:**

**Occupancy Address:**

---

**NUMBER SYSTEM**

- 4 - SEVERE DANGER
- 3 - HIGH DANGER
- 2 - MODERATE DANGER
- 1 - SLIGHT HAZARD
- 0 - NO HAZARD

**SPECIFICATIONS:**

The sign plate shall be a 12” square with a thickness of .080 aluminum construction. Radius Corners

The sign face shall have a white reflective vinyl background.

Font style used - Numbers: Helvetica Bold Extended, Letters: Helvetica Blk BT.

Numbers shall be a minimum of 3½” high with 11/16” stroke width.

Lettering for White Special Hazard Box:

- One Line 1 3/4” high w/ 9/16” stroke width.
- Two Lines 1 3/8” high w/ 7/16” stroke width.
- Three Lines 1¼” high w/ 3/8” stroke width.

Numbers and Letters arranged by color as shown above.

Sign shall be posted at location as approved by the City of Phoenix Fire Department.
18” x 18”
Hazardous Materials Identification
(Fire Diamond)

Occupancy Name: ____________________________

Occupancy Address: __________________________

NUMBER SYSTEM
4 - SEVERE DANGER
3 - HIGH DANGER
2 - MODERATE DANGER
1 - SLIGHT HAZARD
0 - NO HAZARD

TOP

Number in this space shall be RED

Number in this space shall be YELLOW
with a black outline

Number in this space shall be BLUE

Letters in this space shall be BLACK
(White Special Hazard Box)

SPECIFICATIONS:

The sign plate shall be a 18” square with a thickness of .080 aluminum construction with Radius Corners. The sign face shall have a white reflective vinyl background using 3M scotchlite sign face number R7-32 or equivalent.

For Tank application the sign shall be Engineer Grade Reflective with an Adhesive backed sheeting.

Font style - Numbers: Helvetica Bold Extended, Letters: Helvetica Blk BT.

Numbers shall be a minimum of 5¼” high with 1 1/8” stroke width.
Lettering for White Special Hazard Box:

One Line 2 3/4” high w/ 7/8” stroke width.
Two Lines 2 1/16” high w/ 5/8” stroke width.
Three Lines 1 7/8” high w/ 9/16” stroke width.

Numbers and Letters arranged by color as shown above.

Sign shall be posted at location as approved by the City of Phoenix Fire Department.
FIGURE P507.7a

N.T.S.

FL  FIRELANE
WL  WATER LINE
◆  A/S RISER
.isOpen  BACK FLOW ASSEMBLY
⊗  SECTIONAL VALVE OR CONTROL VALVE
→  POST INDICATOR VALVE
●  FIRE DEPT. CONNECTION
●  HYDRANT
→  OS&Y A/S CONTROL VALVE

REQUIRED BY STATE PLUMBING CODE
NFPA 13.8.1.6.1.1

REQUIRED BY NFPA 24. 7.1.1.1

REQUIRED NFPA 13-6.7.1.3

REQUIRED 24.6.1.5

REQUIRED BY STATE PLUMBING CODE
NFPA 13.8.1.6.1.1

Rev. 02/2013
FIGURE 507.7b
N.T.S.

STREET

WATER LINE

REQUIRED BY STATE
PLUMBING CODE
NFPA 13.15.1.8.3

REQUIRED 24.6.1.5

REQUIRED BY STATE
PLUMBING CODE
NFPA 13.8.1.1.2.5

WL

WL

F.L.

F.L.

NON-INDICATIONG VALVE
PERMITTED BY 13.8.17.3.3

FL
FIRELANE

WL
WATER LINE

◆ A/S RISER

† BACK FLOW ASSEMBLY

⊗ SECTIONAL VALVE OR CONTROL VALVE

● POST INDICATOR VALVE

● FIRE DEPT. CONNECTION

● HYDRANT

← OS&Y A/S CONTROL VALVE

FIGURE 507.7b

REQUIRED BY NFPA 24.7.1.1.1

REQUIRED BY NFPA 24.7.1.1.1

REQUIRED BY nfpa 24.7.1.1.1

Rev. 02/2013
FIGURE 507.7c

N.T.S.

FL  FIRELANE
WL  WATER LINE
◆  A/S RISER
☒  BACK FLOW ASSEMBLY
⊗  SECTIONAL VALVE OR CONTROL VALVE
●  POST INDICATOR VALVE
●  FIRE DEPT. CONNECTION
○  HYDRANT
←  OS&Y A/S CONTROL VALVE

Rev. 02/2013
Fig. 507.7d

Legend:
- FL: FIRE LANE
- WL: WATER LINE
- ♦: A/S RISER
- ☒: BACK FLOW ASSEMBLY
- ☒: SECTIONAL VALVE OR CONTROL VALVE
- ●: POST INDICATOR VALVE
- ●: FIRE DEPT. CONNECTION
- ⚠: HYDRANT
- ←: OS&Y A/S CONTROL VALVE

Street Water Line

No Valves in F.D.C. Line 24.6.2.2

13.8.16.1.1.3.2

Rev.02/2013