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: https://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" 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 (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

FIRE DEPT.

150'

Bldgs 4 & 5

SPRINKLER CONNECTION

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
NOTES:
1. THE SIGN FACE SHALL BE 12" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1\(\frac{1}{2}\)" 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 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" X14" 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 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

Special Application
POST INDICATOR VALVE SIGN

PLAN VIEW

POST INDICATOR VALVE SIGN

TOP VIEW

POST INDICATOR VALVE SIGN
12" X 12" .080 ALUMINUM

6¾ FT LONG HEAVY DUTY U CHANNEL POST REQUIRED

POST INDICATOR VALVE

ELEVATION VIEW

OPEN OR SHUT

POST INDICATOR VALVE

GRADE

SIGN DETAIL

P.I.V. ZONE 13-14

2 ⅞" (2.375) WHITE LETTERING

2 ⅞" (2.125) WHITE LETTERING

2 ⅞" (2.125) WHITE NUMBERING

NOTES:

1. THE SIGN FACE SHALL BE 12"X12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH ⅛" 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 880 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.

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 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

- Open or Shut
- Post Indicator Valve

- Curb & Gutter

ELEVATION VIEW
- Fire Lane Stenciling
  3" x ½" Lettering

PLAN VIEW

FIRE LANE NO PARKING
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**

**APPROVED PHOENIX FIRE DEPARTMENT SPRINKLER SIGNS**
SPECIAL FIRE DEPARTMENT
FIRE PUMP TEST HEADER SIGN

DO NOT PUMP INTO THESE FITTINGS

NOTES:
1. THE SIGN FACE SHALL BE 12" 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 (DG\textsuperscript{3} 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 880\textsuperscript{+} OR 880\textsuperscript{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.
FIRE DEPT. CONTROL ROOM SIGN

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. 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 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 8" X 6" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 3/8" RADIUS CORNERS.

2. FONT STYLE USED IS HANDEL GOTHIC BT CAPITAL FONTS, LETTERING IS 1\(\frac{3}{8}\)" X \(\frac{3}{16}\)" STROKE.

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.

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 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 (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 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. **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**

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**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.

**F.D.C. SIGN DETAILS**

WHITE REFLECTIVE BACKGROUND
BROWN OR GREEN TRANSPARENT FILM

**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 (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 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 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

Special Application
F.D.C. RISER ROOM IDENTIFICATION SIGN
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 (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, (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

NOTES:
1. THE SIGN FACE SHALL BE 24" 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 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
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 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

F.D.C. SIGN POST
INSTALLATION DETAIL
FOR THIS BLDG.
LOCATED ON
40th ST.
500' SOUTH
IN FRONT OF
REDDY ICE CO.

F.D.C.

FOR THIS BLDG.
LOCATED ON
40th ST.
500' SOUTH
IN FRONT OF
REDDY ICE CO.

F.D.C.

FOR THIS BLDG.
LOCATED ON
40th ST.
500' SOUTH
IN FRONT OF
REDDY ICE CO.

F.D.C.

FOR THIS BLDG.
LOCATED ON
40th ST.
500' SOUTH
IN FRONT OF
REDDY ICE CO.

3" LETTERING
1½" LETTERING
2" LETTERING
1 3/4" (1.75) LETTERING
1½" LETTERING

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 (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.

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 (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 (BLACK 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. 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

Special Application
F.D.C. DIRECTORY
NOTES:

1. THE SIGN FACE SHALL BE 12" 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 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 5-2A
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

100 FT DIAM

20 FT

R25 FT

20 FT

R25 FT

20 FT

R25 FT

20 FT

R25 FT

20 FT

R25 FT

20 FT

R25 FT

20 FT

R25 FT

20 FT

50 FT

30° DEGREES

50 FT

20 FT

50 FT

20 FT

50 FT

20 FT

70 FT

20 FT

20 FT

NOTE:
THIS DETAIL TO BE USED WHEN CENTER AREA CANNOT BE DRIVEN ON BY FIRE APPARATUS

ANY FIRE LANE OVER 200' TO DEAD-END, THEN ONE OF THE ABOVE TURNSAROUNDS 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.
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

SPECIAL APPLICATION
FIRE LANE SIGN MOUNTED WITH
2-CARRIAGE BOLTS
2-WASHERS
2-NUTS

HEAVY DUTY
"U" CHANNEL POST
2 LBS. PER FT.
(SEE DETAIL 1.4)

GRADE

CLASS 'A'
CONCRETE FOOTING
12" DIA

7 FT REQUIRED

12"

18"

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

2. MINIMUM OF ¼" 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.
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
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

FIRE LANE NO PARKING

ARIZONA BLUE STAKE
CALL TWO WORKING DAYS
BEFORE YOU DIG
(602) 263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)
www.arizonastake.com
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 RATED 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

2"x 2" SQUARE METAL POST
12 GAUGE
.105 THICKNESS

DECORATIVE TRIM PLATE 14" x 20"
COLOR OWNERS CHOICE

FIRE LANE SIGN MOUNTED WITH
2-CARRIAGE BOLTS
2-WASHERS
2-NUTS

7 FT REQUIRED

GRADE

CLASS 'A' CONCRETE FOOTING 12" DIA.

REAR 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 1/4" BOLTS W/ FLAT WASHERS & NUTS THAT BOLT THROUGH POST.
8. SIGNS MUST FACE THE ONCOMING TRAFFIC.

FRONT VIEW

ARIZONA BLUE STAKE
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1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)
www.azbsinc.com
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

MIN. 45 FT CENTER
TURNING RADIUS

100 FT

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

21 FT - 4 IN

12 FT - 3 IN

20 FT

20 FT - MINIMUM WIDTH

35 FT RADIUS

55 FT RADIUS

FIRE LANE LEGEND
PLACED EVERY 100 FT

FIRE LANE LEGEND

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
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.

ALTERNATIVE SURFACE INTERIOR FIRE LANE DETAIL
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

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
     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

PLAN VIEW

6" SQUARE TUBE X 4' - 10" L
3/16" WALL BOLLARD

BOLLARDS SHALL BE PAINTED
CHROME YELLOW

2" X 4" SLOTTED
HAND HOLE
BOTH SIDES

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

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

BOLLARD SHALL BE
6" DIA. INSIDE X
6 5/8" DIA. OUTSIDE
SCHEDULE 160 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

SQUARE
BOLLARD

ROUND
BOLLARD

ARIZONA
BLUE STAKE
CALL TWO WORKING DAYS
BEFORE YOU DIG
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1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)
www.azbinc.com
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.

**INSTALLATION INSTRUCTIONS for SOFT SURFACES (Decomposed Granite/ABC):**

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

ALTERNATIVE FIRE LANE MARKING FOR SOFT SURFACES
NOTES:

1. THE SIGN FACE SHALL BE 8" X 4" AND FABRICATED FROM .080 ALUMINUM SHEET WITH ½" RADIUS CORNERS.

2. LETTERS 1¼" X ¾" 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

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 880+ 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 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

APPROVED PHOENIX FIRE DEPT.
GATE ACCESS SIGN
NOTES:
1. THE SIGN FACE SHALL BE 24" X 18" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 7/16" 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.

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 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^2 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 8801 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
APPROVED AUTOMATIC VEHICLE ACCESS GATE
PREEMPTION DETECTORS WITH KNOX KEY SWITCHES

NOTES:
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.

4" X 4" POST WITH PREEMPTION STROBE DETECTOR
SEE STROBE DETAIL ELEVATION VIEW

PROPERTY SIDE PROFILE VIEW

ELEVATION VIEW

SEE DETAIL BELOW

STROBE DETAIL ABOVE

STROBE DETAIL DETAIL
PROPERTY SIDE ELEVATION VIEW

STROBE DETECTOR 3
LOCK NUT
90° ELBOW
4 ELECTRICAL JUNCTION BOX
WITH MODULE UNIT
4 TAMPER RESISTANT SCREWS
4" X 4" SQUARE METAL POST

MODULE LOCATION

STROBE DETAIL
TOMAR MODEL 2795-2

Requires Permit
NOTES

1. PROVIDE 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.

2. THE MINIMUM OVERALL WIDTH OF THE GATE OPENING SHALL BE 20 FT. NOTICE LARGER OPENINGS IS PREFERRED, IF POSSIBLE.

3. F.D. APPROVE KNOX KEY SWITCH CAN BE PURCHASED AT PFD-FIRE PREVENTION, 150 SOUTH 12th ST. WITH AN APPROVED FIRE PERMIT.

F.D. APPROVE KNOX KEY SWITCH CAN BE PURCHASED AT PFD-FIRE PREVENTION, 150 SOUTH 12th ST. WITH AN APPROVED FIRE PERMIT.

Requires Permit

RETRO FITTING EXISTING PROPERTY W/ AUTO GATE & GUEST PULLOUT LANE
SOLAR POWERED EMERGENCY ACCESS GATE

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.
SPECIAL FIRE DEPT. ACCESS GATE SIGN

1 1/8" WHITE LETTERING
3/8" STROKE (.250)

FIRE DEPT ACCESS
GATE OPENS
MANUALLY
WHEN POWER FAILS

1 1/8" WHITE LETTERING
3/8" STROKE (.250)

NOTES:
1. THE SIGN FACE SHALL BE 18" X 12" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 3/16" 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
NOTE:

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 SHACK 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.

AUTOMATIC GATE ENTRANCE W/ 3 STROBE DETECTORS
TOMAR PREEMPTION DETECTOR
MODEL 2795-2
TOMAR ELECTRONICS, INC.
GILBERT, AZ 85233
2100 W. OBISPO AVE
STROBE SWITCH
DETECTOR
MODEL 2795-3

NOTE:

3 TOMAR PREEMPTION DETECTORS
MODEL 2795-3

3 HEADS ARE REQUIRED WITH 90° TURNING LAYOUTS
NOTE:

3 HEADS ARE REQUIRED WITH 90° TURNING LAYOUTS.
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
MANUAL SWING GATE

NOTES:

1. APPROVED SIGN, WITH REFLECTIVE BACKGROUND, TO IDENTIFY THE NAME OF THE APARTMENT COMPLEX AND THE LOCATION OF THE ACCESS ENTRANCE.

1. PROPERTY OWNER / MANAGEMENT PADLOCK

2. 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.

3. APPROVED FIRE LANE SIGNS WITH REFLECTIVE BACKGROUND, PLACED BACK TO BACK, AND FASTENED ON ALL 4 CORNERS.

4. 6" RED PARKING LOT STRIPING AT THE LOCATIONS SHOWN ON CONCRETE CURBS AND APPLIED TO ASPHALT (SEE EMERGENCY ACCESS DETAIL 8.5)

5. THE MINIMUM OVERALL WIDTH OF THE GATE OPENING SHALL BE 20 FT. (LARGER IS BETTER).

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

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

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

Requires Permit

L. Hertz
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.
DUAL LOCK HAESP DETAIL

NOTES: FOR MANUAL GATES

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 APPX. 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.

Requirements Permit

MANUAL ROLLING GATE DETAILS
**TENSION BAR**

*2" X ½" STEEL LOCKING BAR*

*MIN. 3/4" DIA HOLES (TYP BOTH SIDES)*

*L-BRACKET WELDED TO FRAME OF GATE SEE DETAIL*

*2" X ½" STEEL LOCKING BAR MIN. 3/4" DIA HOLES (TYP BOTH SIDES)*

**PULL BAR**

**TENSION BAND**

**PROPERTY MANAGEMENT PADLOCK**

**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/ 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.

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**MANUAL CHAIN LINK SECURITY GATE DETAILS**

**[Diagram of Gate Setup]**

**[Plan View]**

**[Profile View]**

**[Bar Detail]**

2" X LG VARIES X ½"

**[Notes]**

Requires Permit

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FNAME: CLF_GATE_DET.CDR

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

1. APPROVED SIGN, WITH REFLECTIVE BACKGROUND, TO IDENTIFY THE NAME OF THE APARTMENT COMPLEX AND THE LOCATION OF THE ACCESS ENTRANCE. ¾" 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. ¾" 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.

NOTES: GATE MANUFACTURED IN 3 SIZES: 16 FT, 20 FT AND 24 FT. RECOMMENDED POSTS/GATE COLOR CHROME YELLOW SEE FIRE LANE STRIPING DETAILS.

POST GATE NOTES:

- 3"X 3"X .120 POST 7 FT W/CAP APPROVED COLOR CHROME YELLOW
- 2"X 2"X .120 RAILS APPROVED COLOR CHROME YELLOW
- 5" HEAVY DUTY BARREL HINGES (TYPICAL 4 PLACES)

Requires Permit

MANUAL POST VEHICLE SECURITY GATE
General Notes:

1. Approved sign, with reflective background, to identify the name of the apartment complex and the location of the access entrance. 3" x 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. 3" x 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 G3 background placed back to back.

10. 24" x 36" concrete post footings.

Note: Gate manufactured in 3 sizes-16 ft, 20 ft and 24 ft. Recommended posts / gate color chrome yellow.

Post gate notes:

1. 6" minimum post (square or round) round post schedule 40, square post 4" stock. Post 7 ft w/ cap approved color chrome yellow.

2. 2" gate frame (square or round) 11 gauge approved color chrome yellow.

3. Sealed 5" heavy duty barrel hinges (typical 2 places)

Requires Permit

Single Manual Swing Security Gate
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)

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 1\(\frac{1}{2}\)" 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\(^3\) 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

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 maybe 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 FT

MINIMUM

5 FT

54" MIN.

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

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

ELEVATION DETAIL
GATE BARRIER

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

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

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

ALL DIMENSIONS MUST COMPLY WITH THE PHOENIX CODE.

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
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.
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.
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.
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, 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.
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
MULTI FAMILY
BUILDING NUMBERS AND
UNIT SPREAD NUMBERS

ALL NUMBERING IS GILL SANS FONT

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

101 - 199 NUMBER RANGE

NUMBER SIZE (FOUR DIGIT PLATE)  
THREE FLOORS

4" X 5/8" BRUSH STROKE
4 DIGIT NUMBERS - THOUSAND 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
ALL NUMBERING IS SEAGULL MD BT 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.

MUTI-FAMILY NUMBERING DETAIL FOR COMMUNITIES w/ LESS THAN 100 TOTAL UNITS PER FLOOR
MUTI-FAMILY NUMBERING DETAIL FOR COMMUNITIES w/ LESS THAN 100 TOTAL UNITS PER FLOOR

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^2 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 1 ½" 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 (DG4 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.
APARTMENT DIRECTIONAL SIGN

NOTES:

1. THE SIGN FACE SHALL BE 32" X 24" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1/2" 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 (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. THE SIGN PLATE SHALL BE 15 1/8" X 5" AND FABRICATED FROM .080 ALUMINUM SHEET WITH 1" 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
PRIVATE COMMUNITY STREET SIGNS

STREET SIGN

12TH COURT

DEAD END STREET SIGN

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 (DG 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
TYPICAL ENTRANCE TO MULTIPLE RESIDENTIAL COMMUNITY w/ AUTOMATIC GATES
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 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 (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 MAYBE APPLIED OVER SIGN.
7. REQUIRES PRE-APPROVAL BY A FIRE CODE OFFICIAL. 602-262-6771

Special Application
PRIMARY & SECONDARY HIGHRISE STAIRWELL SIGNAGE
BRaille shall be grade 2 type, indicating stairwell location and floor number.

The braille and raise numbers shall be placed no more than 2" apart and shall be centered on the sign.

Notes:

1. The sign face shall be 12" x 14" and fabricated from .080 aluminum sheet with 1" 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.

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

Elevation View

Sign Detail

Stairwell Marking Detail

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 braille 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.
1.25" (1¼") LETTERING, ¼" STROKE
1" LETTERING, 3/16" STROKE
5" LETTERING, 7/8" STROKE
1" LETTERING, 3/16" STROKE
1" LETTERING, 3/16" STROKE

NOTES:
1. THE SIGN FACE SHALL BE 12" X 14" 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 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 ½" 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
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 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 1/2" 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 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: ________________________________

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**

**EXAMPLE**
- 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 5½” 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.

Rev. 02/2013
WATER LINE
STREET
REQUIRED BY 24.6.3.1
2
40 FT FROM BUILDING
24.6.3.3.1
P508.3
F.L.
P508.3
FIGURE 507.7c
N.T.S.
FL  FIRELANE
WL  WATER LINE
◆  A/S RISER
バック FLOW ASSEMBLY
〇  SECTIONAL VALVE OR CONTROL VALVE
●  POST INDICATOR VALVE
●  FIRE DEPT. CONNECTION
●  HYDRANT
↓  OS&Y A/S CONTROL VALVE

Rev. 02/2013