



DESIGN GUIDE

KODIAK IRON

EXCEPTIONAL FENCING • EXTRAORDINARY CUSTOMER SERVICE

Kodiak Iron a division of Kodiak Brands, Inc. reserves the right to make changes to the design, specifications and/or improvements to any of its products without notice and without incurring any obligation to incorporate these changes to products previously manufactured.

It is the sole responsibility of the purchaser and/or customer, contractor and/or organization to consult with local governing agencies for local codes and requirements pertaining to the installation, use, and viability of the proposed Kodiak Iron Fence System [™]

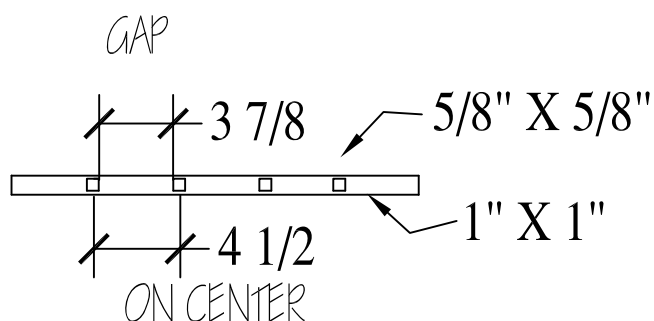
Kodiak Iron
437 East Hwy 80
Sunnyvale, Texas 75182
Phone: 972-226-8877
Fax: 972-226-9990
Email: sales@kodiakiron.com
www.kodiakiron.com

Master Distributor

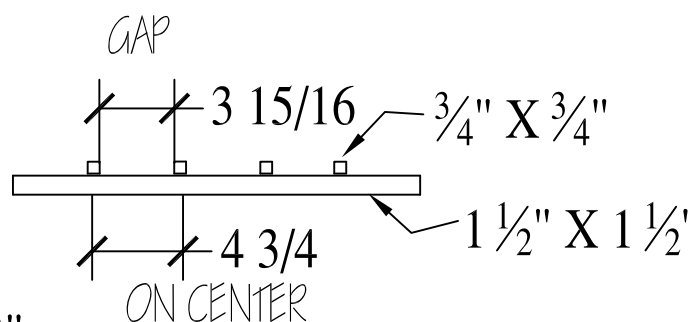
Fence Supply Inc.
435 East Hwy 80
Sunnyvale, Texas 75182
Phone: 972-226-0004
Fax: 972-226-0777
Email: sales@fencesupplyinc.com
www.fencesupplyinc.com

Standard Panel Picket Spacing

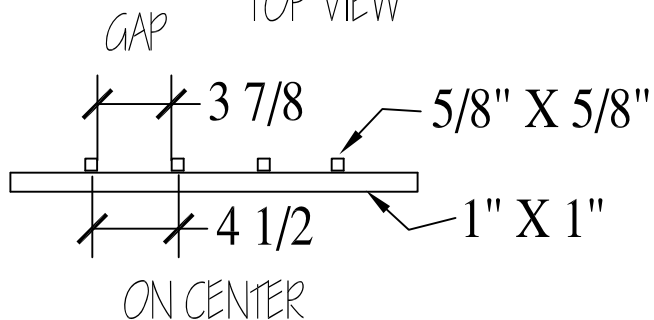
WESTERN RESIDENTIAL PANEL
TOP VIEW



SUMMIT COMMERCIAL PANEL
TOP VIEW



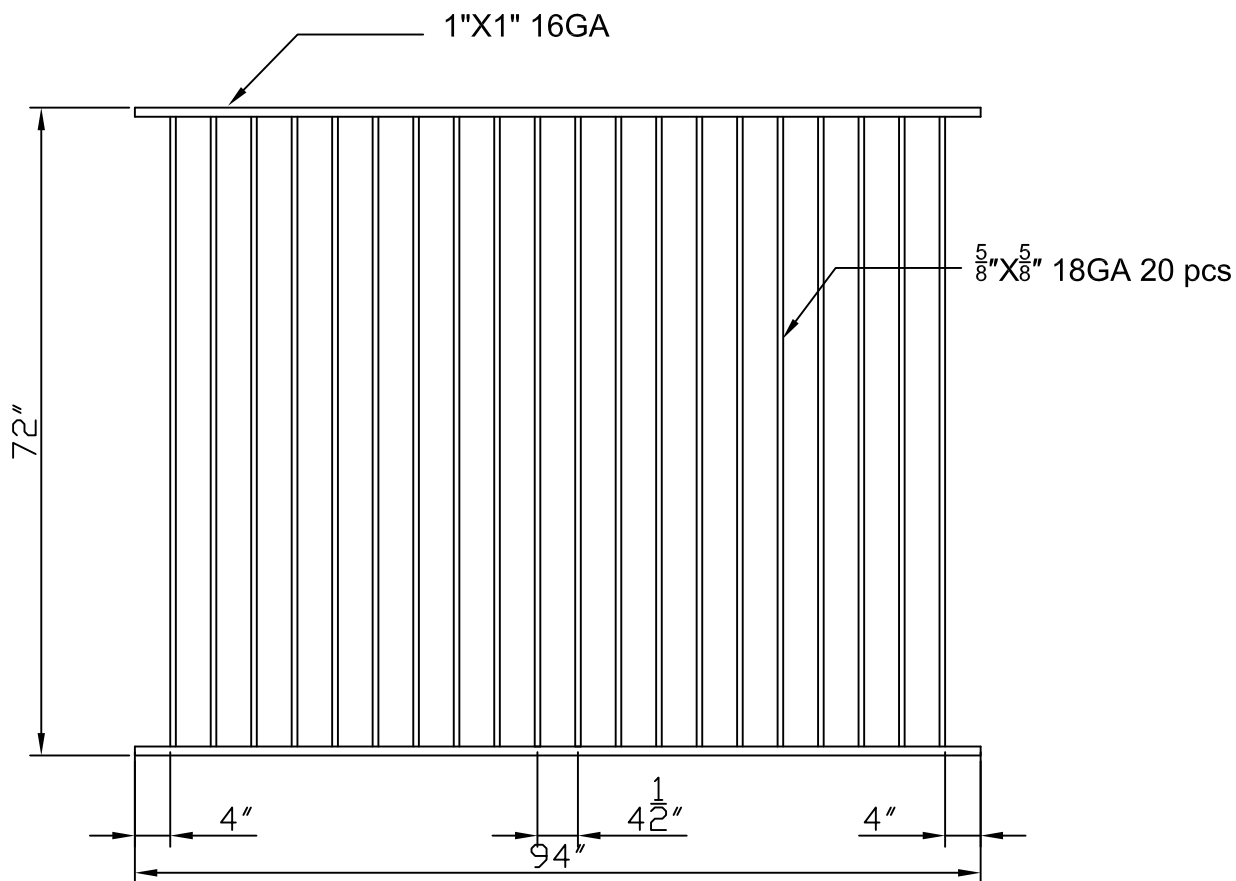
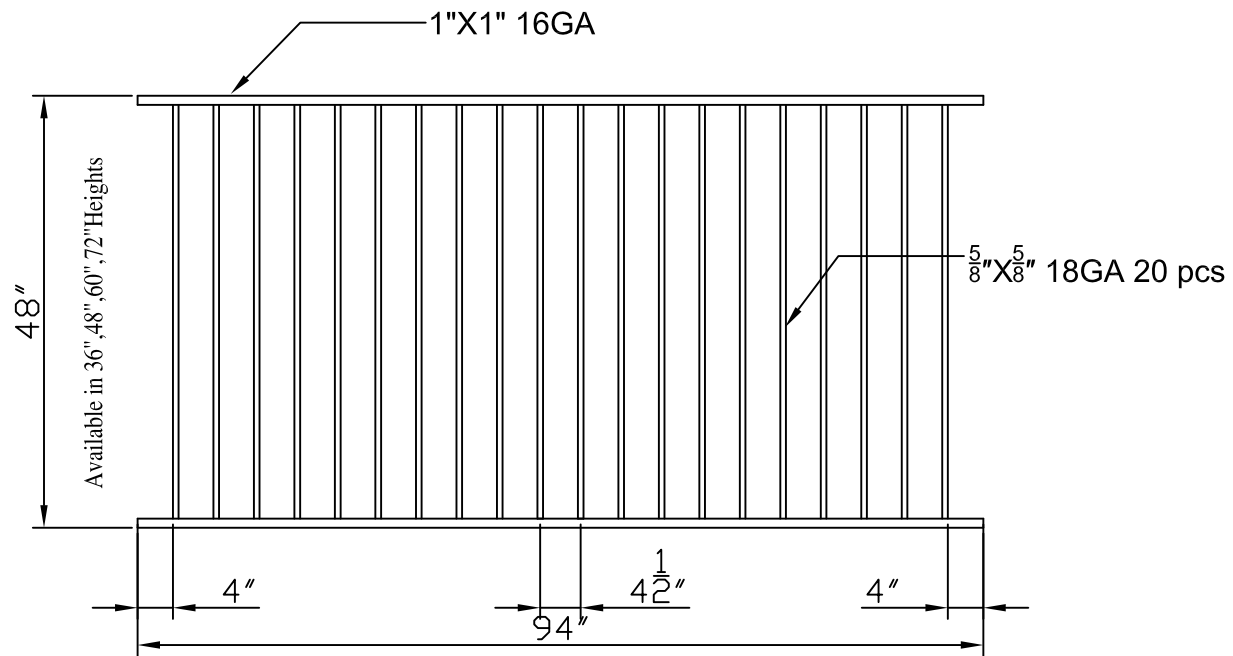
REGAL & SUMMIT RESIDENTIAL
PANEL
TOP VIEW



KODIAK IRON



Drawn by: Sharp, W	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: Wingo, C		
Date: October 1, 2007	Description: Top View Picket Spacing	
Customer: Kodiak	DWG. NO: 1 of 1	SERIES: Yukon
	APPLICATION: Residential	

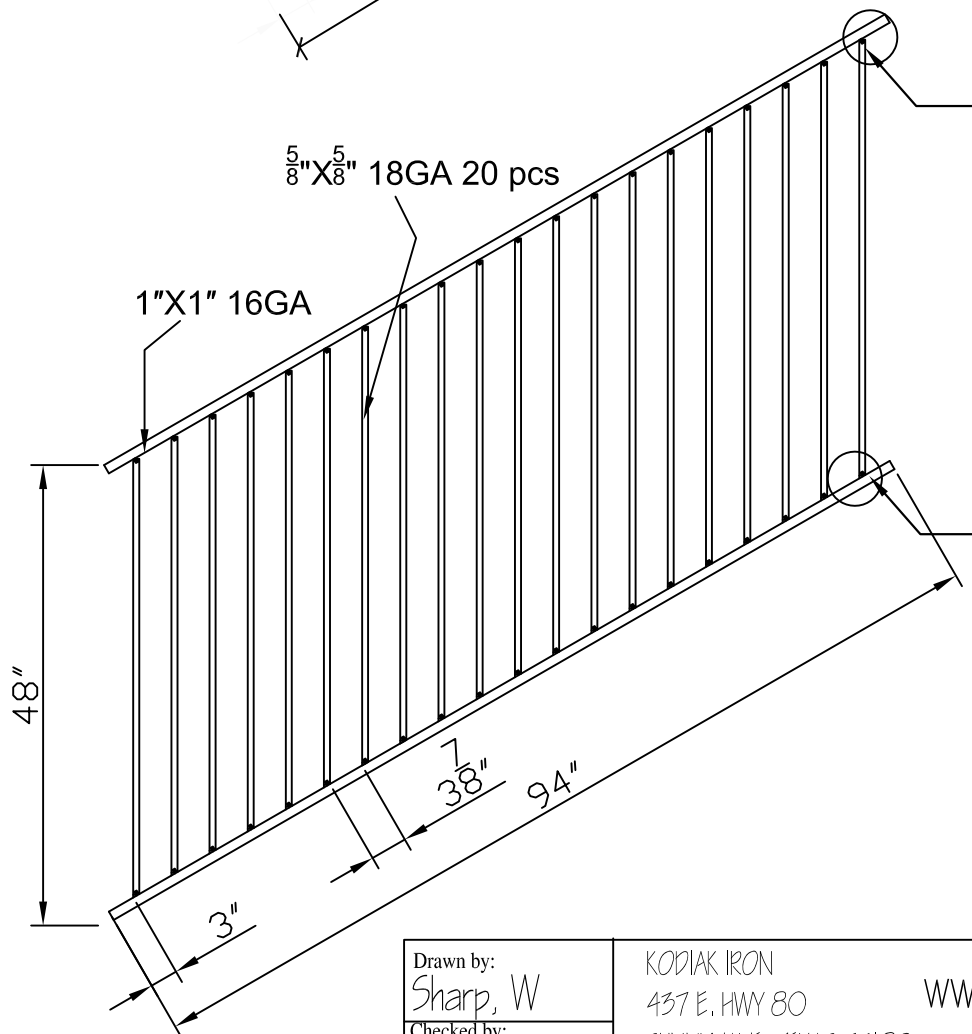
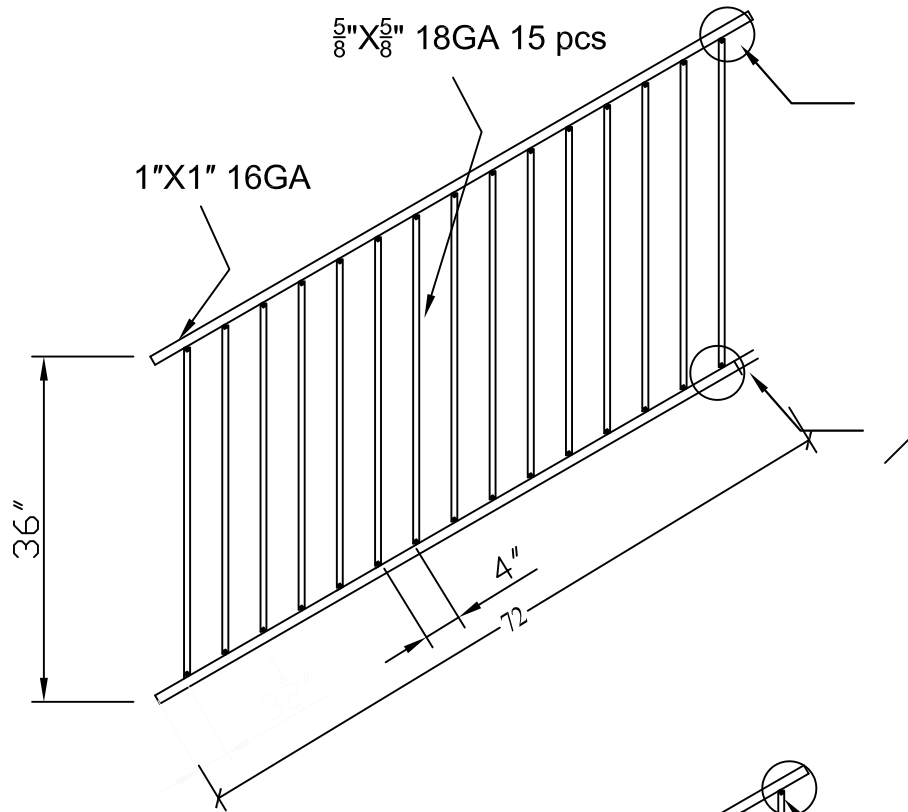


Galvanized and Powder Coated Black

KODIAK IRON



Drawn by: <i>Sharp, W</i>	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: <i>Wingo, C</i>		
Date: <i>October 1, 2007</i>	Description: <i>Yukon Fence Panel</i>	
Customer: <i>Kodiak</i>	DWG. NO: <i>1 of 1</i>	SERIES: <i>Yukon</i>
	APPLICATION: <i>Residential</i>	



KODIAK IRON



Drawn by:
Sharp, W
Checked by:
Wingo, C
Date:
October 1, 2007
Customer:
Kodiak

KODIAK IRON
437 E. HWY 80
SUNNYVALE, TEXAS 75182

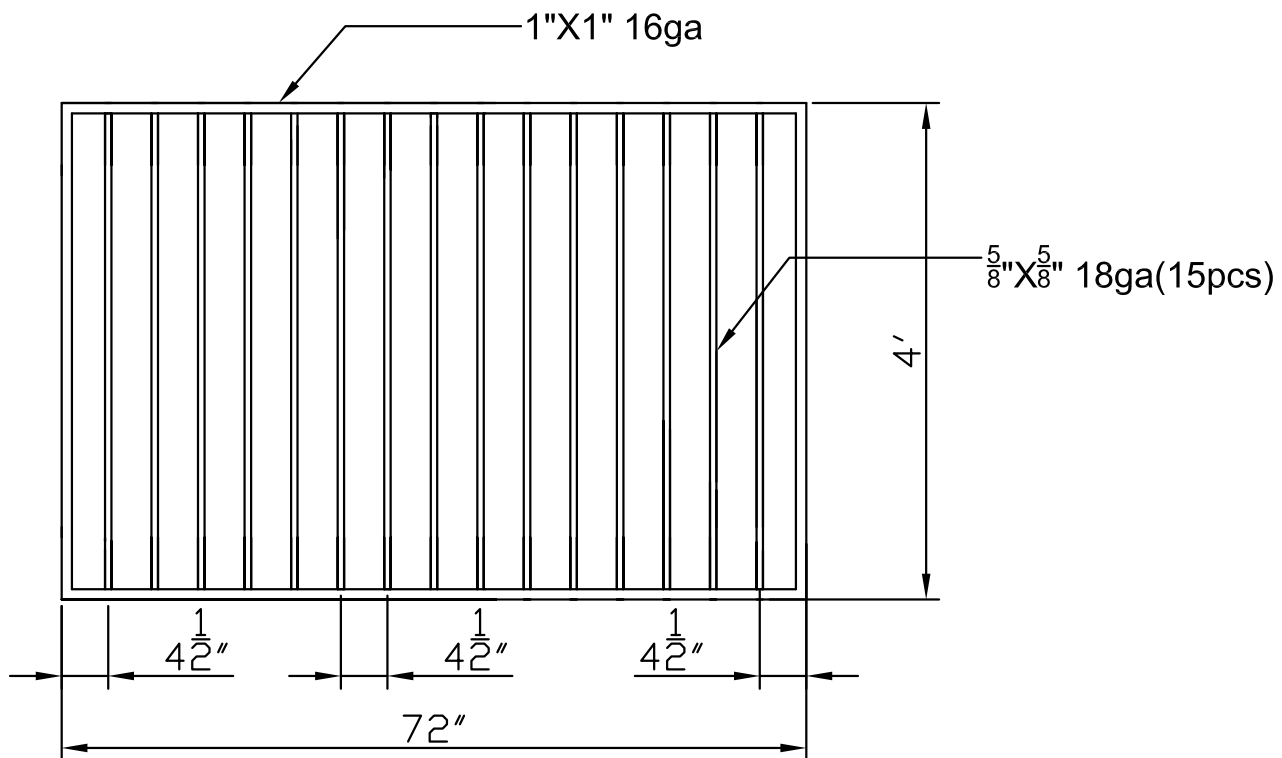
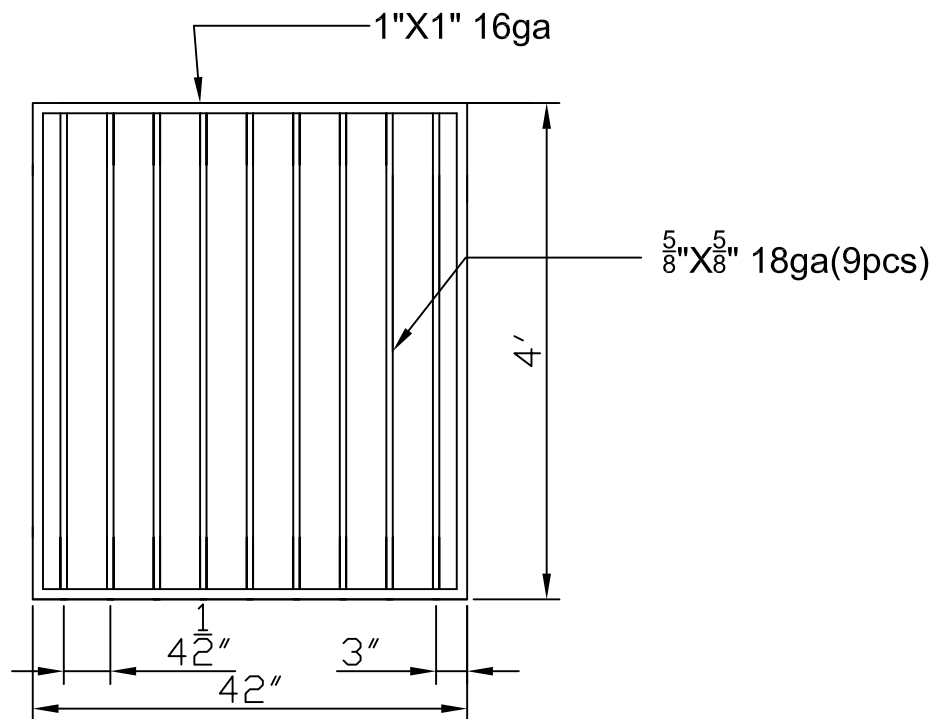
www.kodiakiron.com

Description:
Yukon Rake Panel 36" X 72" & 48" X 94"

DWG. NO: 1 of 1

SERIES: Yukon STP

APPLICATION: Residential

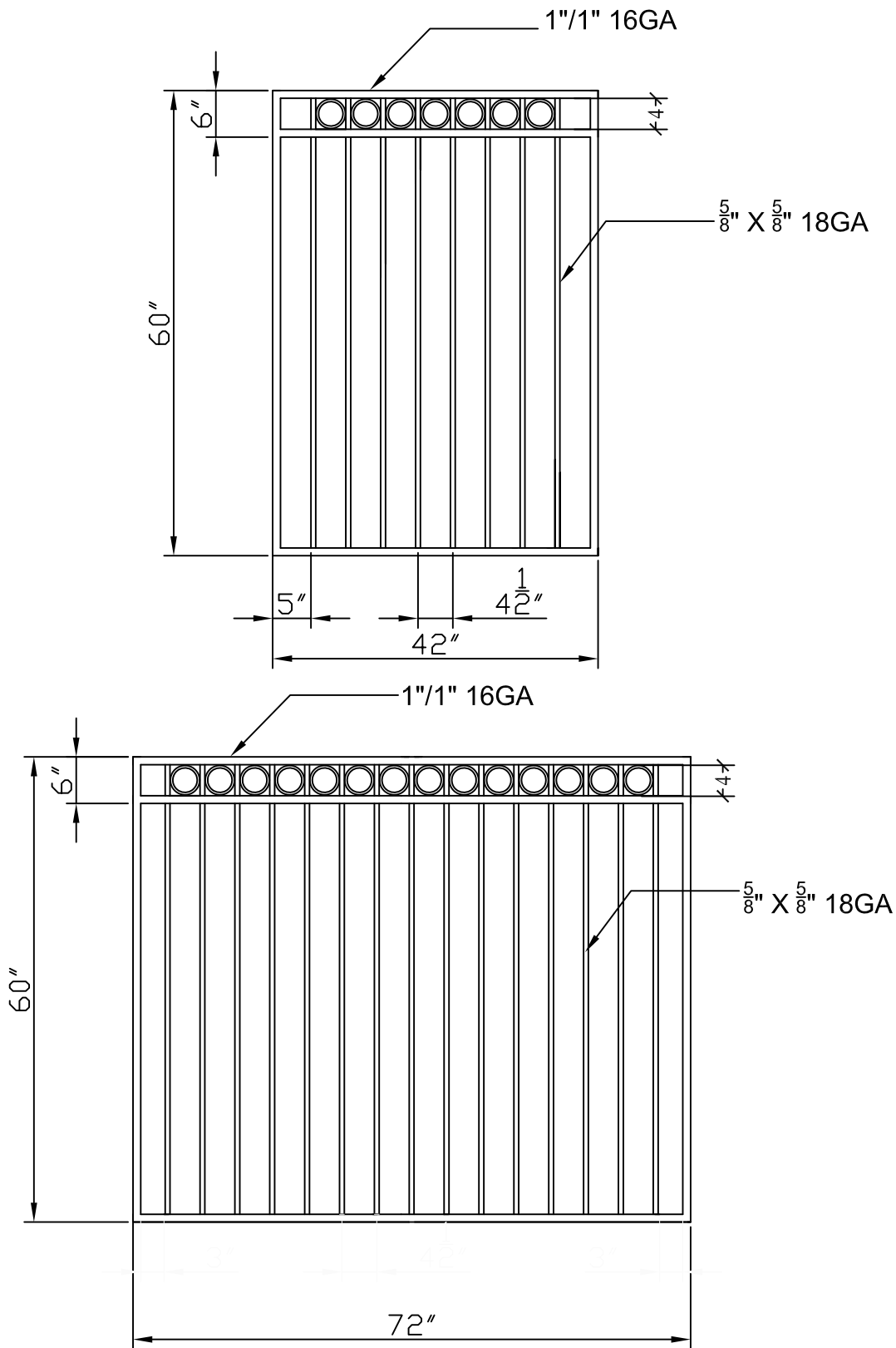


Galvanized and Powder Coated Black

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Drawn by: Sharp, W	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: Wingo, C		
Date: October 1, 2007	Description: Yukon Gates 48" & 72" Width	
Customer: Kodiak	DWG. NO: 1 of 1	SERIES: Yukon
	APPLICATION: Residential	

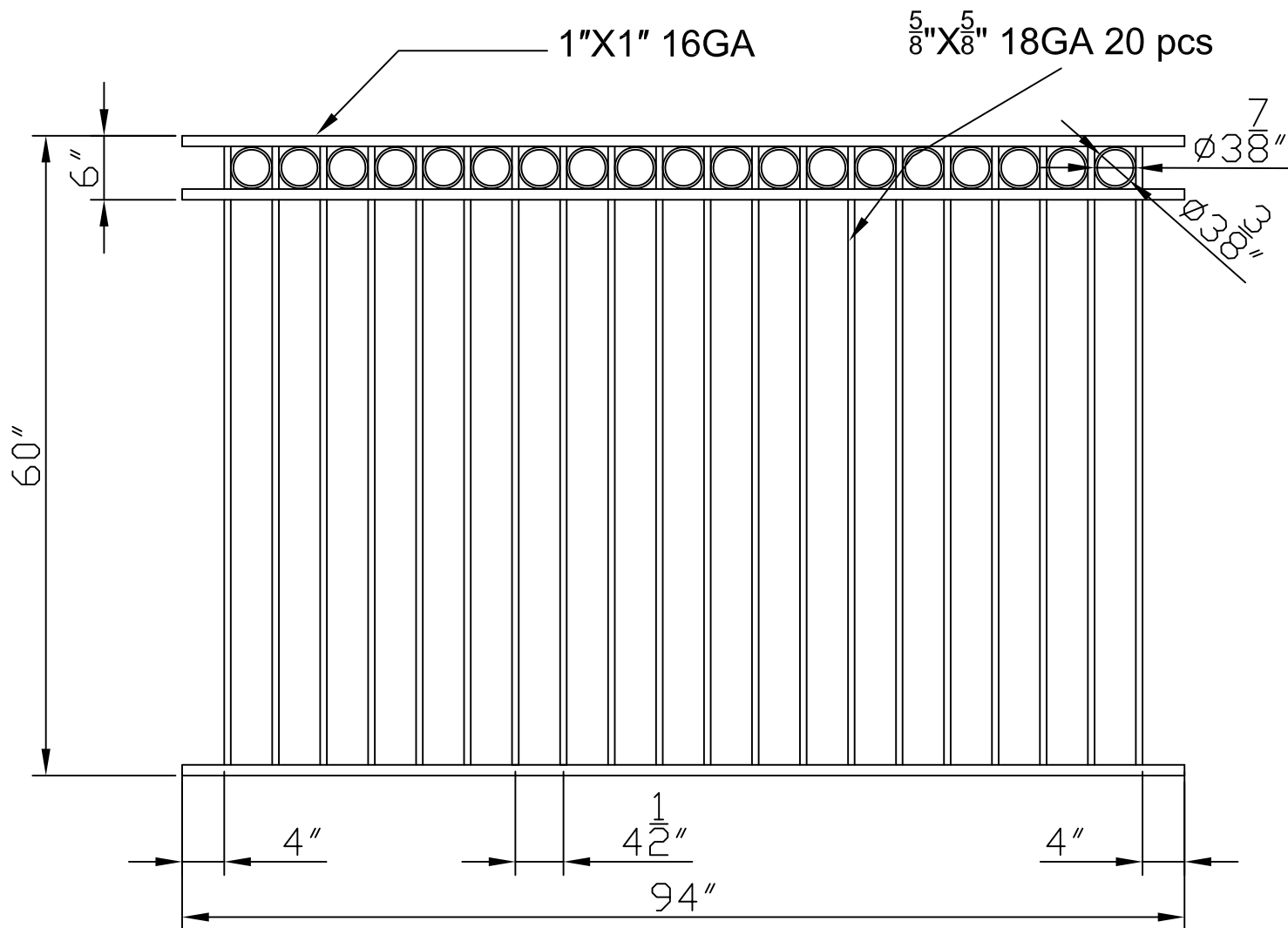


Galvanized and Powder Coated Black

KODIAK IRON



Drawn by: Sharp, W	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: Wingo, C	Description: Yukon with Rings Gate 60" X 72" & 60" X 42"	
Date: October 1, 2007		
Customer: Kodiak	DWG. NO: 1 of 1	SERIES: Yukon
	APPLICATION: Residential	



KODIAK IRON



Drawn by:
Sharp, W
Checked by:
Wingo, C
Date:
October 1, 2007
Customer:
Kodiak

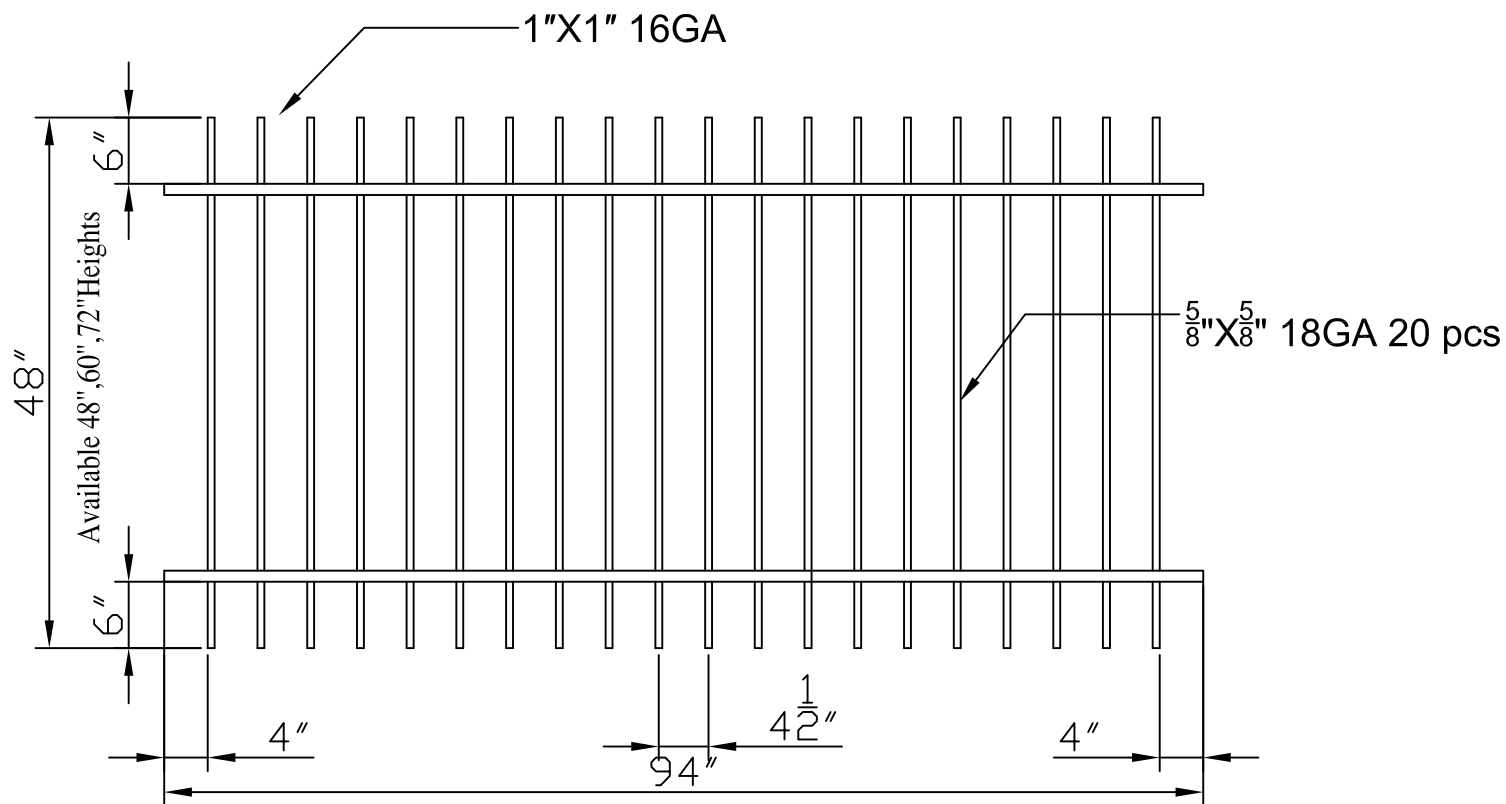
KODIAK IRON
437 E. HWY 80
SUNNYVALE, TEXAS 75182
www.kodiakiron.com

Description:
Yukon with Rings Fence Panel 60" X 94"

DWG. NO: 1 of 1

SERIES: Yukon

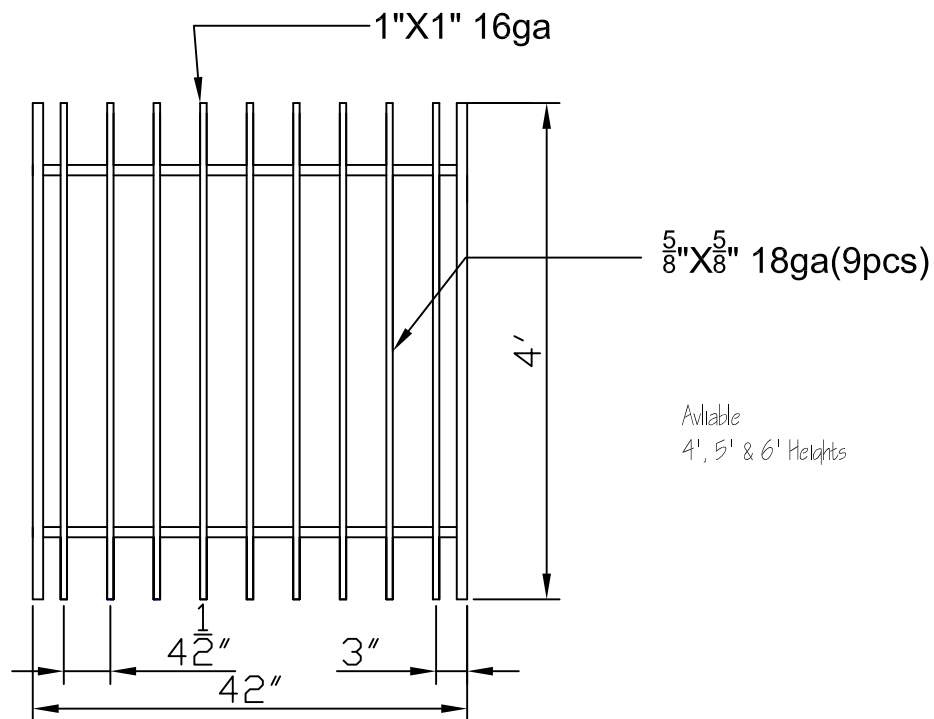
APPLICATION: Residential



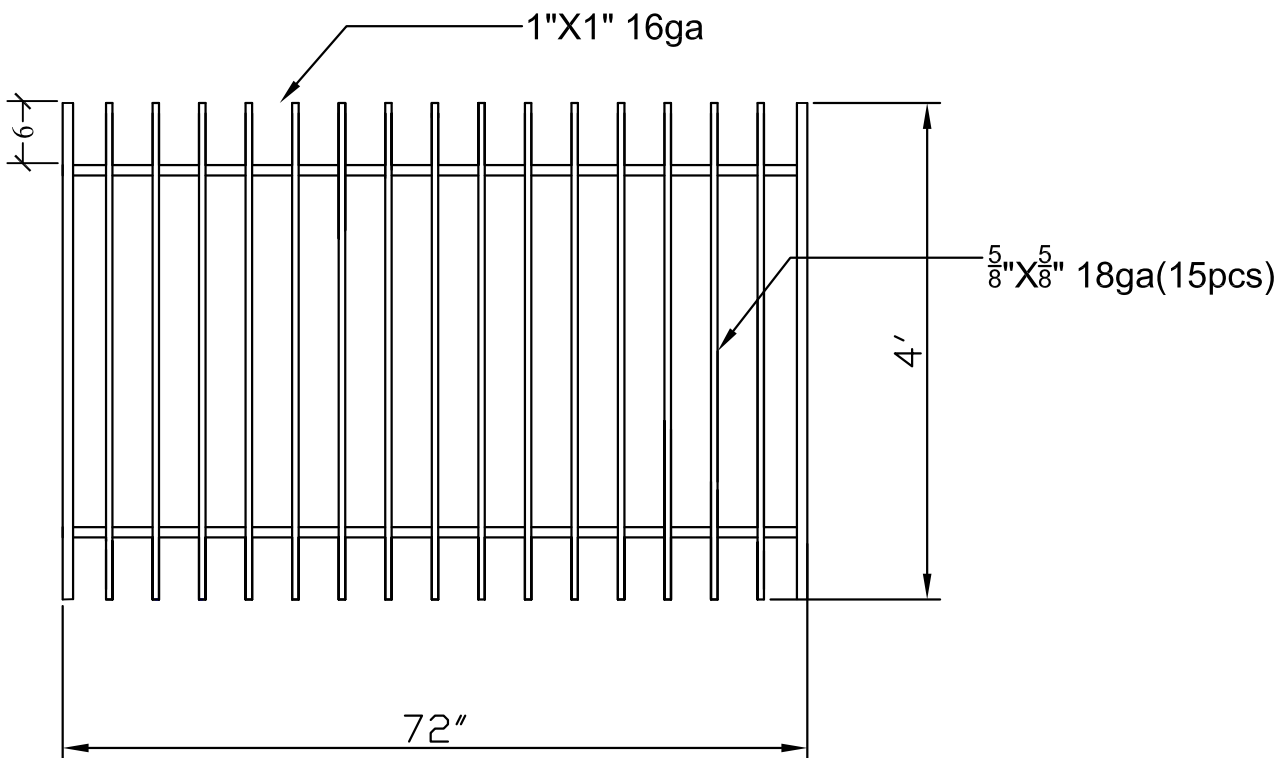
KODIAK IRON



Drawn by: Sharp, W	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: Wingo, C		
Date: October 1, 2007	Description: Regal Fence Panel 48" X 94"	
Customer: Kodiak	DWG. NO: 1 of 1	SERIES: Regal
	APPLICATION: Residential	



Avilable
4', 5' & 6' Heights

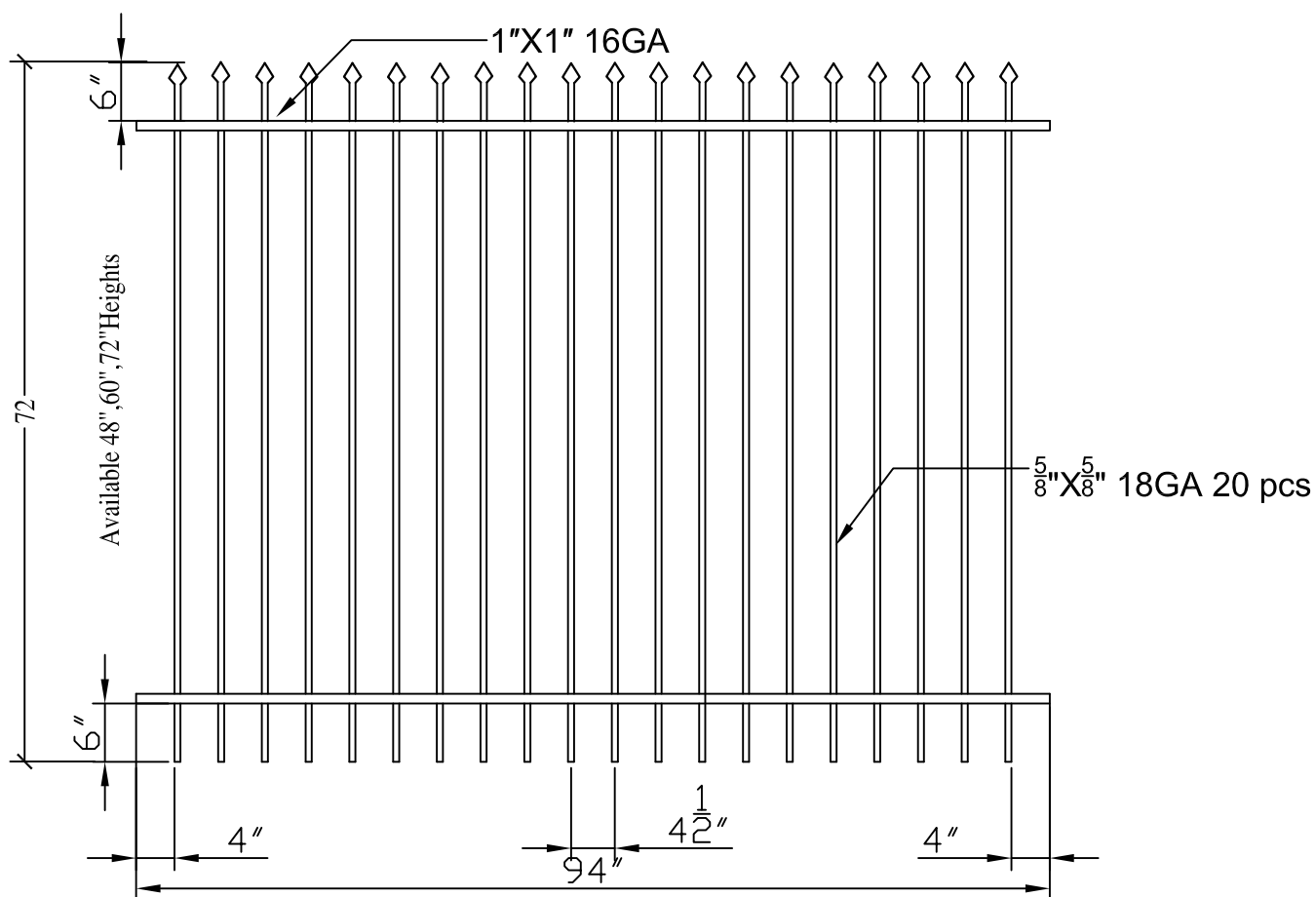
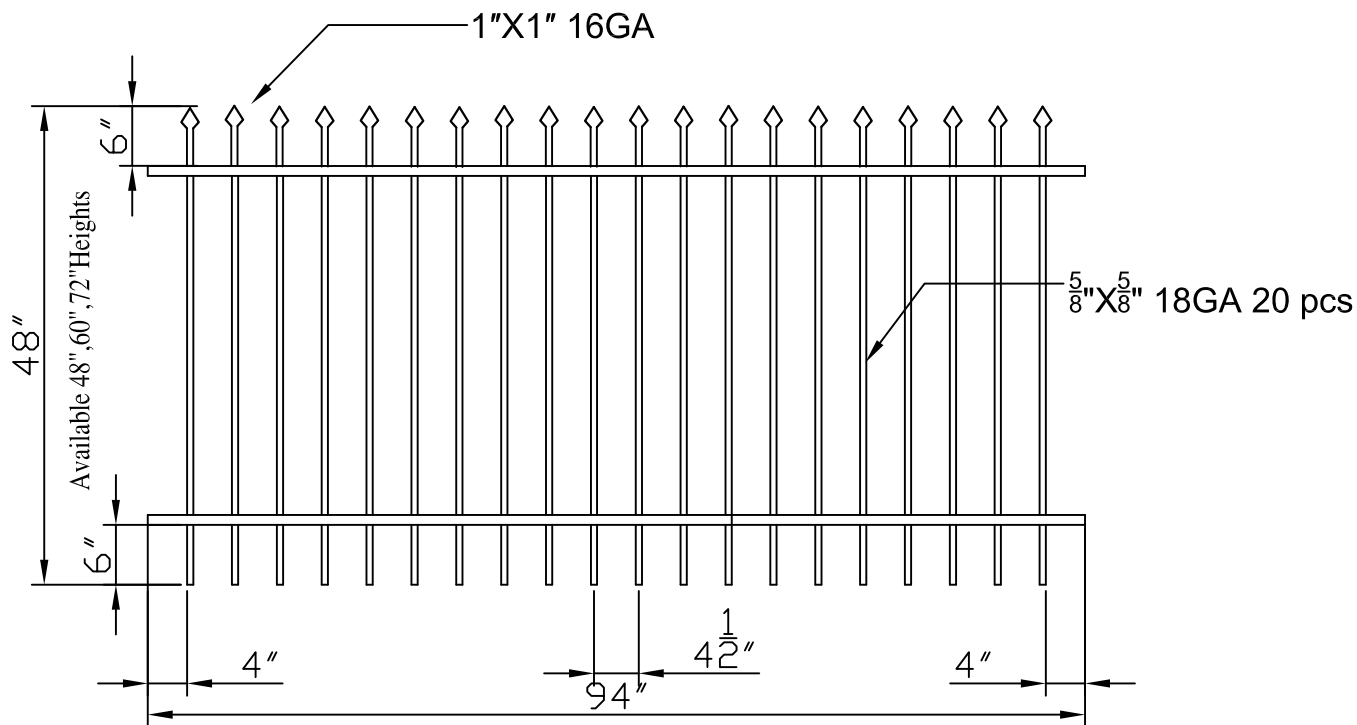


Galvanized and Powder Coated Black

KODIAK IRON



Drawn by: Sharp, W	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: Wingo, C		
Date: October 1, 2007	Description: Regal Gates 48" & 72" Width	
Customer: Kodiak	DWG. NO: 1 of 1	SERIES: Yukon
	APPLICATION: Residential	



KODIAK IRON



Drawn by:
Sharp, W

Checked by:
Wingo, C

Date:
October 1, 2007

Customer:
Kodiak

KODIAK IRON
437 E. HWY 80
SUNNYVALE, TEXAS 75182

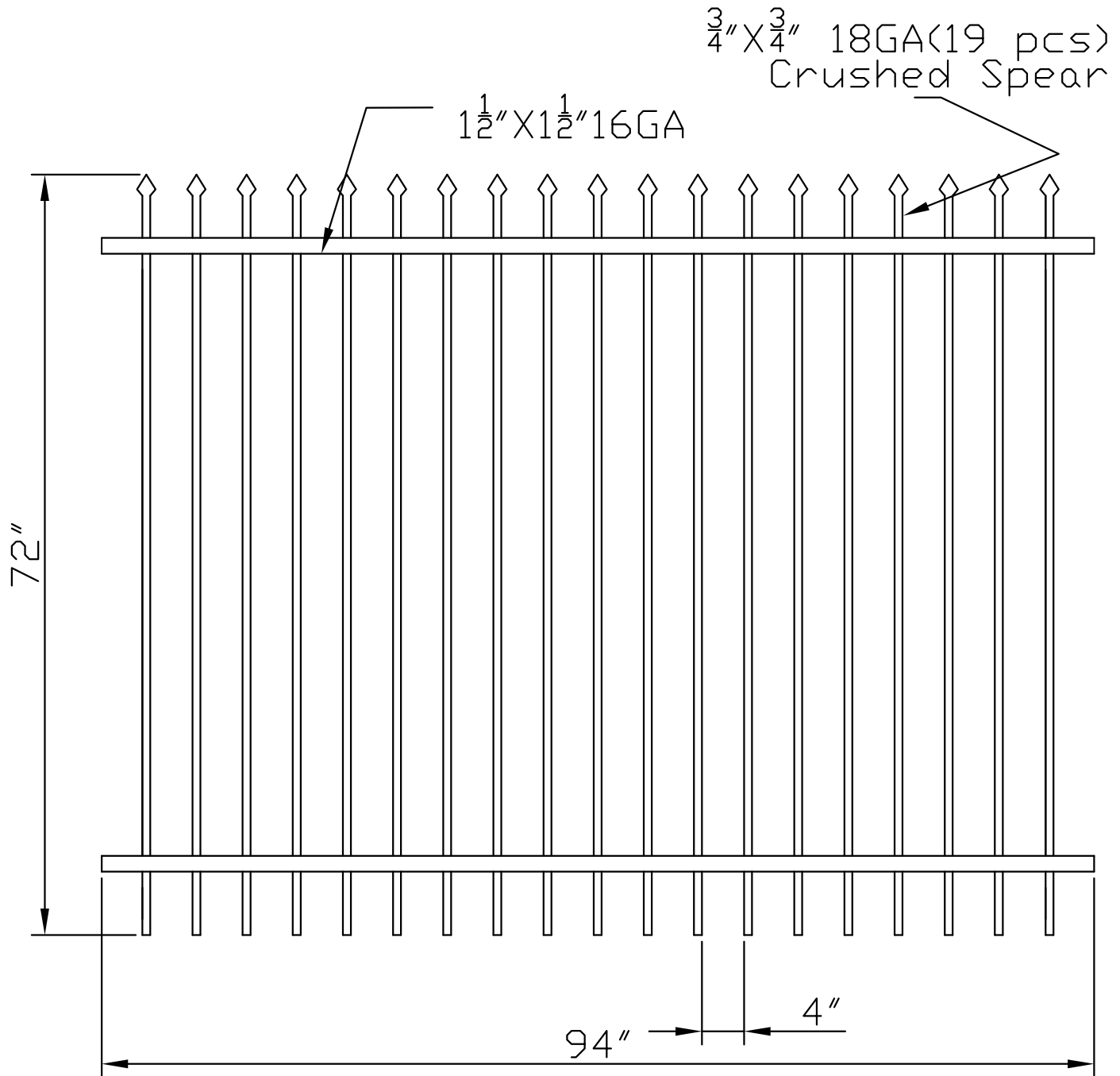
www.kodiakiron.com

Description:
Summit Fence Panel 48" X 94" & 72" X 94"

DWG. NO: 1 of 1

SERIES: Summit

APPLICATION: Residential

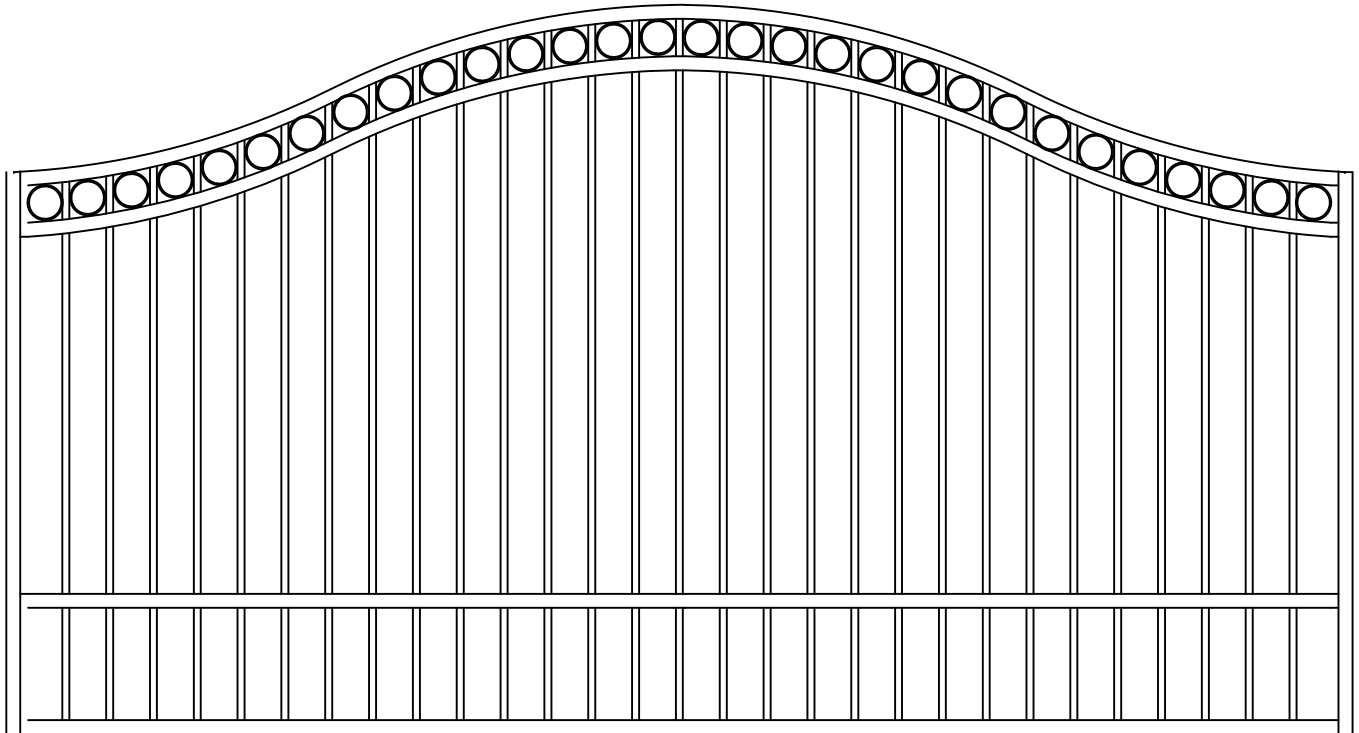


Galvanized and Powder Coated Black

KODIAK IRON

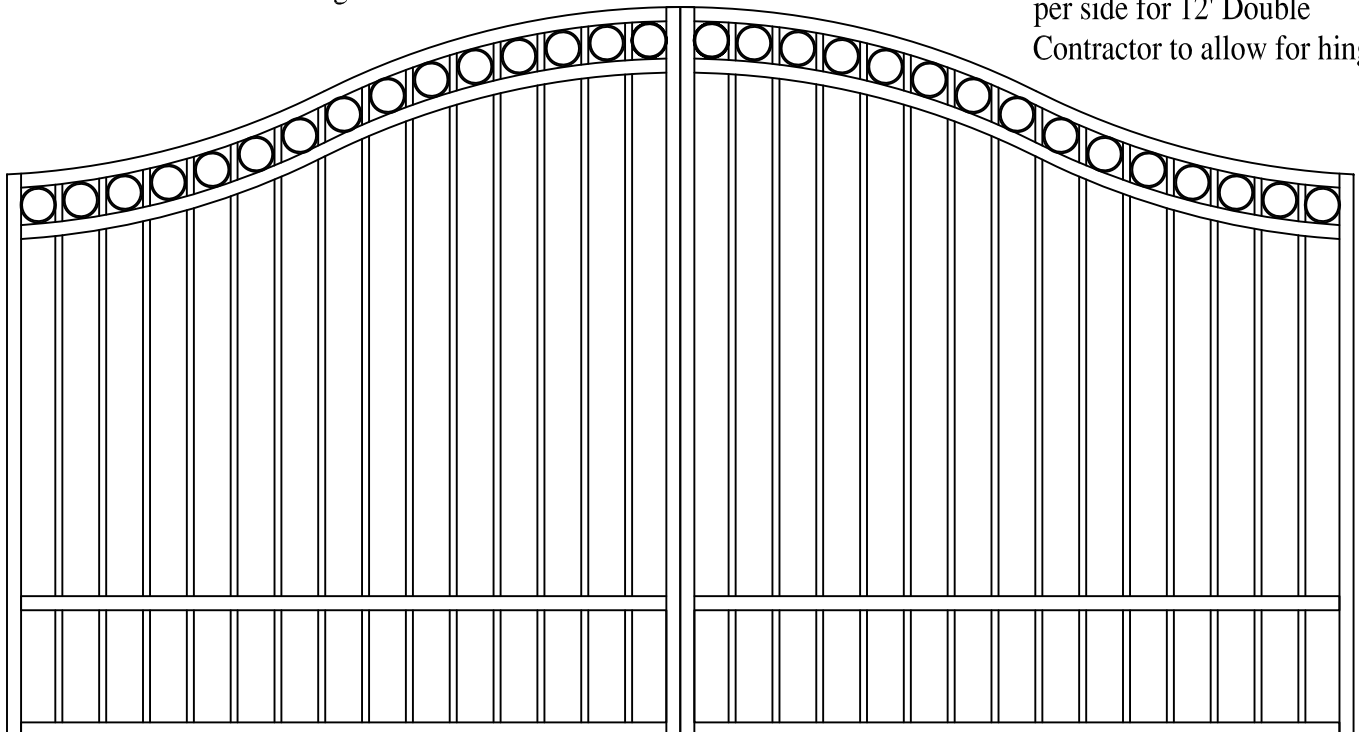


Drawn by: Sharp, W	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: Wingo, C		
Date: October 1, 2007	Description: Summit Commercial Fence Panel	
Customer: Kodiak	DWG. NO: 1 of 1	SERIES: Summit
	APPLICATION: Commercial	



Kodiak Estate Gate Single
5' on the Side
Single Gate Leaf is 12' Wide
Contractor to allow for hinges

Kodiak Estate Gate Double
5' on the Side
Double Gate Leaf 72" Wide
per side for 12' Double
Contractor to allow for hinges



KODIAK IRON



Drawn by:
Sharp, W
Checked by:
Wingo, C
Date:
October 1, 2007
Customer:
Kodiak

KODIAK IRON
437 E. HWY 80
SUNNYVALE, TEXAS 75182

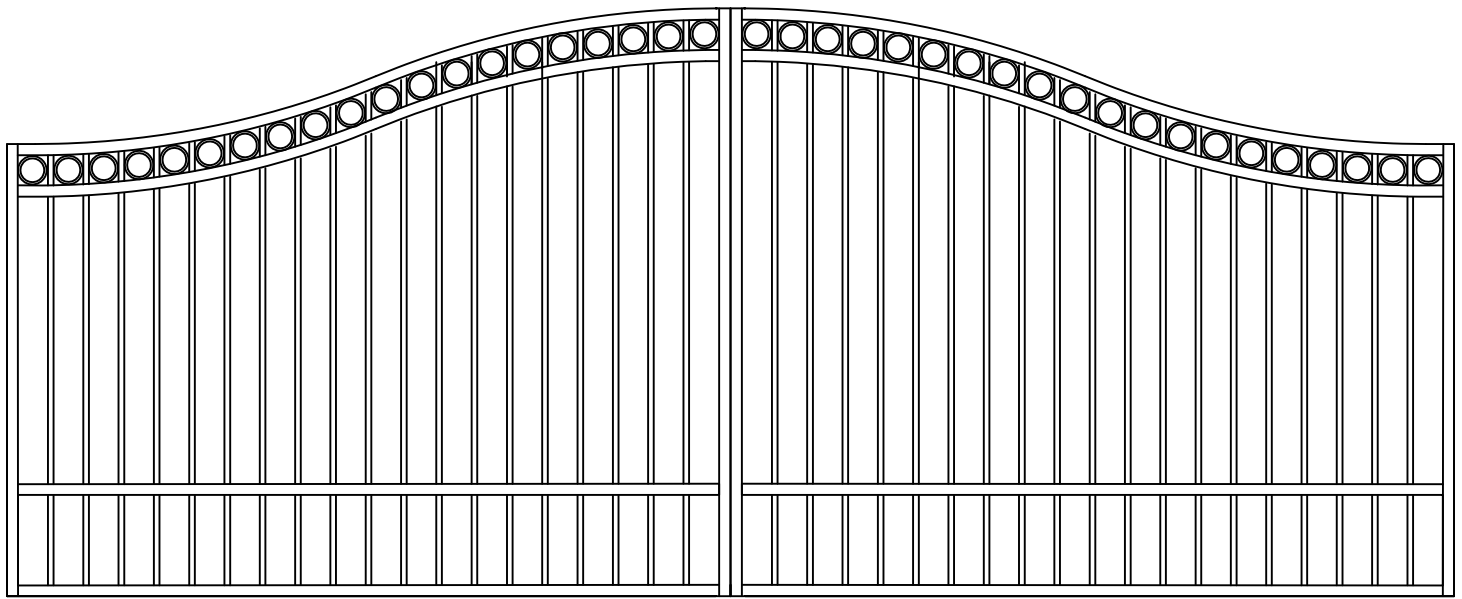
www.kodiakiron.com

Description:
Yukon Estate Gate 5' X 12' Single & Double

DWG. NO: 1 of 1

SERIES: Yukon

APPLICATION: Estate



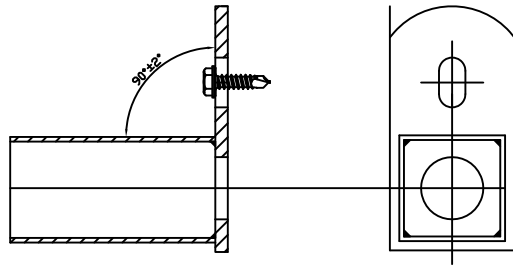
Kodiak Estate Gate Size
5' on the Side
Each Gate Leaf is 96" Wide
Contractor to allow for hinges

Kodiak Estate Gate Construction
4" Max Gap between Pickets
16" Rise to Middle of Estate Gate
Yukon with Rings Includes 4" Rings to Match Stock Panel
 $\frac{3}{4}$ " X $\frac{3}{4}$ " Pickets
1 $\frac{1}{2}$ " X 1 $\frac{1}{2}$ " Rail Construction
Extra Bottom Rail Support Reinforcement for stability and connection of operator.
Galvanized Steel - For Corrosion Resistance
Powder Coated Black with Tiger Drylac Powder

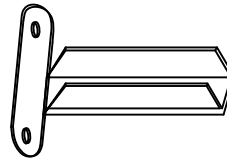
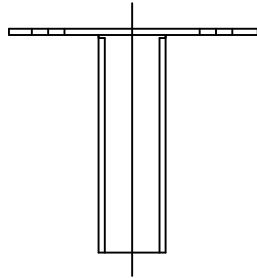
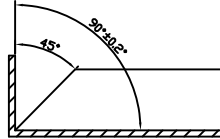
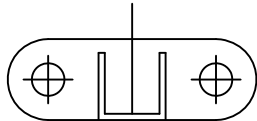
KODIAK IRON



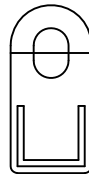
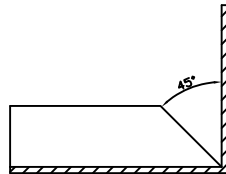
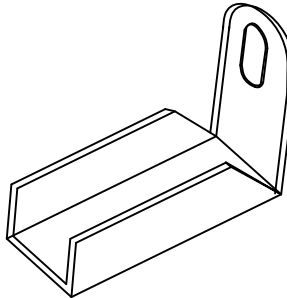
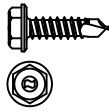
Drawn by: Sharp, W	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: Wingo, C	Description: Yukon Estate Gate 5' X 16' Double Gate	
Date: October 1, 2007		
Customer: Kodiak	DWG. NO: 1 of 1	SERIES: Yukon
	APPLICATION: Estate	



Finish:Galv+PE Powder Coating
Mounting Brackets for Straight



Finish:Galv+PE Powder Coating
Brackets for Horizontal Rake



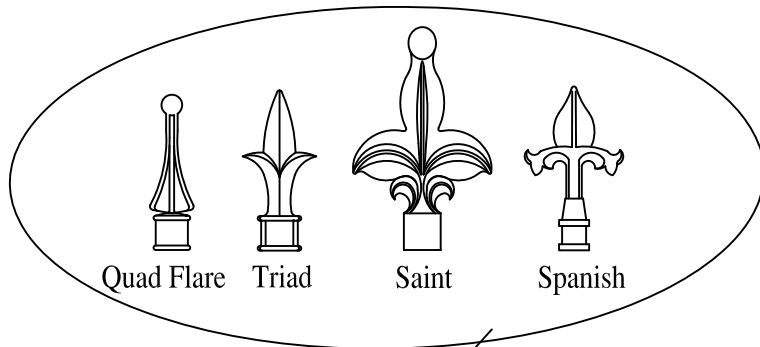
Finish:Galv+PE Powder Coating
Verticle Rake Braket

KODIAK IRON



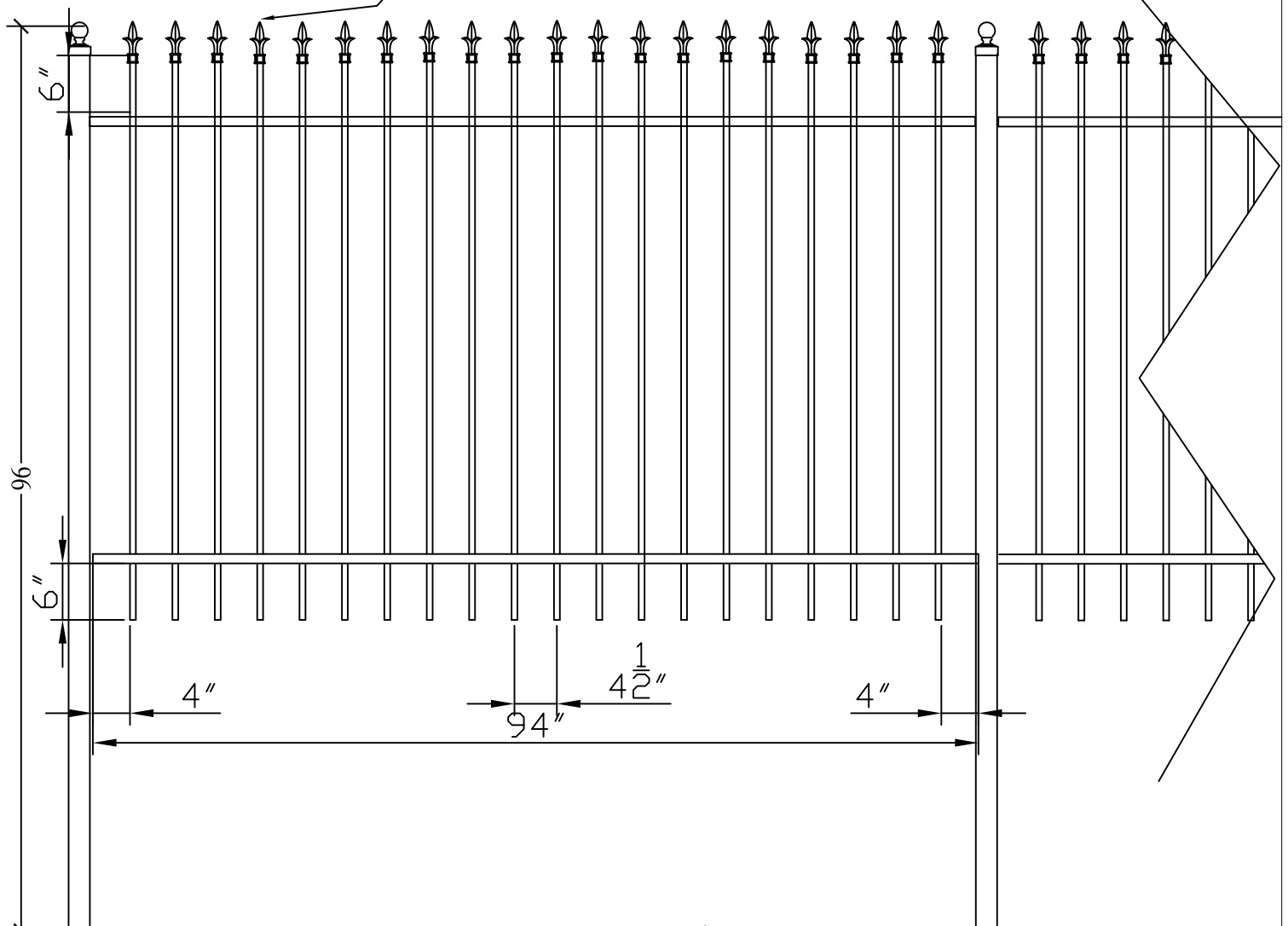
Drawn by: Sharp, W	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: Wingo, C	Description: Kodiak Mounting Brackets	
Date: October 1, 2007		
Customer: Kodiak	DWG. NO: 1 of 1	SERIES: All Tubing Kodiak Panels
APPLICATION: Residential 1" X 1" & Commercial 1 1/2" X 1 1/2"		

Final Options



Finished added Height of Finals after Installation

Quad Flare	$3\frac{1}{4}"$
Triad	$3\frac{1}{2}"$
Saint	$4\frac{1}{2}"$
Spanish	$3\frac{3}{8}"$

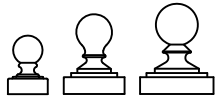


KODIAK IRON



Drawn by: Sharp, W	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: Wingo, C		
Date: October 1, 2007	Description: Regal Fence Panel 60" X 94" Final Options	
Customer: Kodiak	DWG. NO: 1 of 1	SERIES: Regal
	APPLICATION: Residential	

Decorative Caps



Newell Ball Cast Iron



Pressed Steel Caps

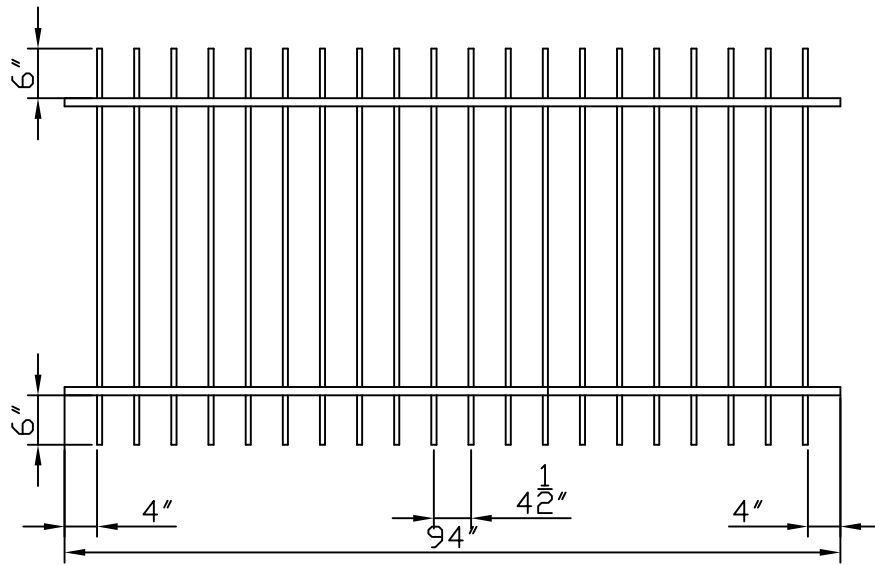
Avliable for 2" , 3" , 4"

Galvanized and Powder Coated Black

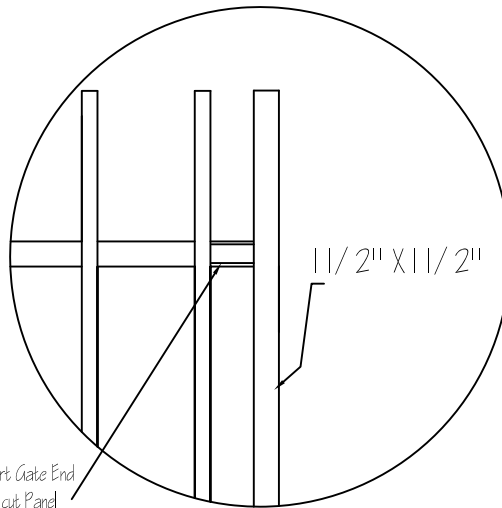
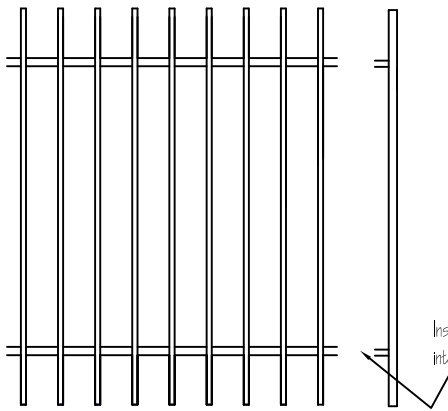
KODIAK IRON



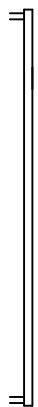
Drawn by: Sharp, W	KODIAK IRON 437 E. HWY 80 SUNNYVALE, TEXAS 75182 www.kodiakiron.com	
Checked by: Wingo, C	Description: Caps	
Date: October 1, 2007		
Customer: Kodiak	DWG. NO: 1 of 1	SERIES: Yukon
	APPLICATION: Residential	



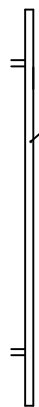
Cut from full panel or use
left over piece of panel



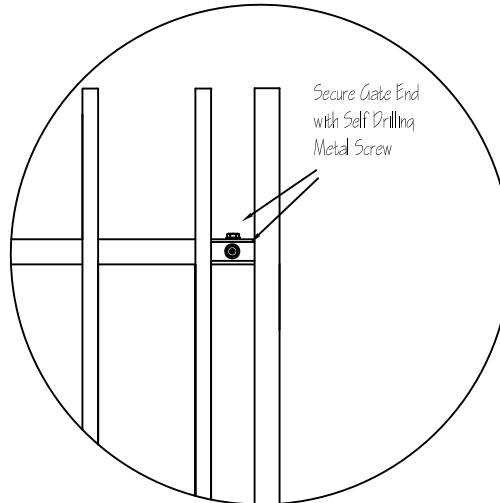
Insert Gate End
into cut Panel



Gate End for
Yukon
3, 4', 5' & 6'



Gate End for
Regal and Summit
4', 5' & 6'



Secure Gate End
with Self Drilling
Metal Screw

KODIAK IRON



Drawn by:
Sharp, W
Checked by:
Wingo, C
Date:
October 1, 2007
Customer:
Kodiak

KODIAK IRON
437 E. HWY 80
SUNNYVALE, TEXAS 75182

www.kodiakiron.com

Description:
Gate Kits

DWG. NO: 1 of 1

SERIES: Yukon

APPLICATION: Residential

SPECIFICATIONS

Steel Ornamental Picket Fencing Kodiak Iron Fence System™

PART 1 – GENERAL

1.01 WORK INCLUDED

This specification covers ornamental iron fence materials including ornamental iron, gates, posts and hardware.

1.02 RELATE SECTIONS

Section ____ - Earthwork

Section ____ - Concrete.

1.03 QUALITY ASSUARANCE

The contractor must be familiar with the construction methods and materials involved installation of the Kodiak Iron Fence System™ herein at **(specify project site)**.

1.04 REFERENCES

ASTM A 36 - Structural Steel, Bars, Flats and Shapes

ASTM A 123 - Zinc (Hot-dipped Galvanized) Coatings

ASTM A 500 - Steel Structural Tubing in Rounds and Shapes

ASTM A 513 - Electric-Resistance-Welded

Carbon and Alloy Steel Mechanical Tubing

1.05 DELIVERY, STORAGE, AND HANDLING

Deliver to the job site materials in good condition and properly protected against damage to factory-finished surfaces. Store materials in a clean, dry location and in such a way as to avoid damage, especially from dust, chemicals and moisture in the air by covering with protective material. Handle materials carefully on the job site to protect factory finishes.

1.06 SUBMITTALS

Changes in specifications may not be made after the published date of bid. All submittals of substitutions must be approved before bid date. Shop drawing of fences and gates with all dimensions, details, and finishes. Drawings must include post foundations Product data: Manufacturer's catalog cuts indicating materials compliance and that all conditions of the specifications have been met

1.07 WARRANTY

Kodiak Iron hereby certifies that it manufactures the ornamental iron fencing and gates in accordance with specifications and/or shop drawings supplied by Kodiak Iron. Kodiak Iron assumes the responsibility of providing products meeting Kodiak Iron's prescribed specifications. Local environmental factors vary widely; therefore Kodiak Iron does not guarantee that its product will perform in any defined manner in any specific environment. Damage to coating due to shipping and installation is to be expected and must be adequately touched up or repainted immediately after occurrence by installer to met original specification standards.

PART 2 PRODUCTS

2.01 MANUFACTURER

Picket fences and gates must be obtained from a single source.

The ornamental fencing system shall be manufactured by:

Kodiak Iron a Division of Kodiak Bands, Inc.
437 East US Highway 80
Sunnyvale, TX 75182
Phone: 972-226-8877
Fax: 972-226-9990
sales@kodiakiron.com
www.kodiakiron.com

2.02 ORNAMENTAL PICKET FENCE FABRICATION

Style:

Height:

Pickets, rails, and posts shall be manufactured from tubing meeting the requirements of ASTM A 513 or A 500 Grade B.

Solid steel bars, flat plates and shapes shall be manufactured from steel conforming to the requirements of ASTM A 36.

Panels, gates and flanged posts shall be of welded construction. No wire rods, screws or rivets shall be accepted to attach pickets to rails. Layout and welding shall be done by experienced craftsmen. Welds shall be made by the gas metal arc method and welds shall be neat, clean and of the sizes indicated on the drawings. All flush welds shall be ground smooth.

Pickets for gates shall be of the same size and style as those in the fence panels. Frames for gates shall be of sufficient size and thickness to provide adequate support without sag. Adjustable trussing may be required. Gate hardware shall be supplied by the manufacturer and shall be of sufficient size and capacity to support the gate specified

2.03 FINISH

All primary components receive a thorough cleaning and pre-treatment; this 10-step process consists of:
NOTE: All welds will receive treatment with a zinc rich-epoxy resin primer applied at a thickness of 2 to 4 mils and oven cured at 400°. The finish coat will be applied at 2-4 mils dry film thickness and will be a polyester powder coating that combines hardness and durability and can also be touched up in the field.

2.04 ACCESSORIES

Post Caps: Cast aluminum or malleable iron or formed steel manufactured to form a weather-tight closure.

Finial Tops for Pickets: Attached to pickets by weld on or drive in.

2.05 SETTING MATERIALS

Concrete: Minimum 28 day compressive strength of 3,000 psi (20 Mpa).

Flanged Post: Provide flanged base plates with 4 holes for surface mounting where indicated. (For wall mount or pad mount situations.)

PART 3 EXECUTION

3.01 PREPARATION

The contractor shall layout the new fence in accordance with the fence construction plans, shop drawings, and all applicable requirements and codes.

The contractor shall verify any grade changes or surface irregularities.

Discrepancies between the approved shop drawings and field conditions must be approved by the architect or engineer prior to proceeding with the installation.

3.02 INSTALLATION

Fence posts shall be set plumb and level at spaces shown on the drawings. Footings shall be of the sizes indicated. Post caps shall be as indicated on the drawings. Space posts uniformly at 94 "(2388mm) face to face unless instructed otherwise.

Set posts in concrete. Dig holes having a diameter 4 times the diameter of the post, and 6" (152 mm) deeper than the bottom of the post. Forms are not necessary or recommended. Crown concrete at top to shed water.

Check each post for vertical and top alignment.

Fence panels shall be welded or bolted to the posts. Field welding of rail to the post shall be a complete 360 degree (all four sides) and shall be the size indicated on the drawings. Welds shall be cleaned and coated with a primer the same day the welding is performed. Bolted connections shall use bolts and tabs of the size indicated on the drawings. After tightening bolt, threads shall be peened.

Gates shall be installed plumb and level and shall be the sizes and style indicated on the drawings. The contractor shall install any gate stops that may be required. Any padlock provisions or strikes shall be field attached to assure alignment. The contractor shall lubricate the hinges, rollers and other gate hardware after installation.

All field welds and any abrasions to factory coatings shall be thoroughly cleaned, re-primed and touched up by the contractor with paint of the same quality, color and gloss of that used by the manufacturer.

3.03 CLEANING

The contractor shall clean job site of excess materials.

Post hole excavations shall be scattered uniformly away from the posts or removed as directed.

Concrete splatter shall be cleaned from exposed posts

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972-226-8877 WWW.KODIAKIRON.COM SALES@KODIAKIRON.COM

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