

Scala, Mary Joy

From: James R. Schnitzhofer, P.E. <jrs@schnitzhoferandassoc.com>
Sent: Sunday, May 03, 2015 11:43 AM
To: Scala, Mary Joy; 'Dennis Branner'
Subject: RE: Screen Specs - Sample

All:

Thanks for the response Mary. I will move to finalize the details.

I am hoping this will allow the permit for the framing to be issued, while we complete the screen framing, as the screen framing will be installed after the primary framing.

Thanks again for your coordination on this.

Kindest Regards,

-Jim

From: Scala, Mary Joy [mailto:scala@charlottesville.org]
Sent: Friday, May 01, 2015 9:41 AM
To: 'James R. Schnitzhofer, P.E.'; Dennis Branner
Subject: RE: Screen Specs - Sample

The screen looks fine. If the galvanized finish is not shiny that will be fine, or a dark gray paint.

I do not know how tall the equipment would be – I would say keep the screen the minimum height necessary to screen it.

Thank you.

Mary Joy Scala, AICP
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City of Charlottesville
Department of Neighborhood Development Services
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P.O. Box 911
Charlottesville, VA 22902
Ph 434.970.3130 FAX 434.970.3359
scala@charlottesville.org

From: James R. Schnitzhofer, P.E. [mailto:jrs@schnitzhoferandassoc.com]
Sent: Thursday, April 30, 2015 3:21 PM
To: Dennis Branner
Cc: Scala, Mary Joy
Subject: Screen Specs - Sample

Screen Sample attached.

-Jim

JAMES R. SCHNITZHOFFER, P.E.
PRESIDENT

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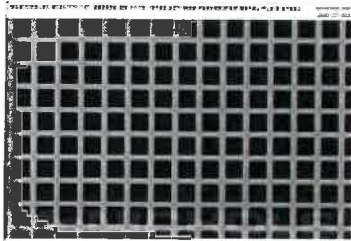
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Item Specifications:

Item Number :	1687001241
Product Line :	Perforated
Product Type :	Square Hole
Weight :	2.06 #/SF
Class :	Square Pattern
Trade Name :	McNICHOLS®
Major Material :	Plain Steel
Minor Material :	Hot Rolled
Gauge (Thickness) :	12
Hole Size :	0.5000
Hole Centers :	0.6875
Hole Pattern :	Straight Row
Surface Finish :	Mill
Percent Open Area :	53
Width :	48.0000
Length (Span for Grating) :	120.0000
SKU Type :	Sheet
Straight Rows Parallel To :	Width And Length
End Pattern :	Finished
Margins Parallel to Length :	Min Safe Both Sides
Margins Parallel to Width :	Min Safe Both Ends
HS Item Number :	1687001241



Accessories:

U Edging

Options:

Angle Cutting
Annealing
Anodizing

Straight line cutting to produce an angle other than 90 degrees
Heating and slowly cooling to reduce the brittleness of a material.
The process of coating aluminum electrolytically, resulting in a thin film of aluminum oxide of extreme hardness. Can be processed either clear or in colors.

Bending	The bending of material in a flat state by along a straight line to a defined angle.
Bolt Holes	The punching or drilling of holes at specific locations in material in order to provide a means to bolt the material in place.
Circle Cutting	Shearing or sawing material in a circular path to a specified dimension.
Cleaning Perforated	An internal service that can be provided by McNichols Operations where the excess lubricant is wiped off of the perforated sheet with cloths. This is not degreasing, which is a service provided by an external supplier.
Coating	A material applied as a covering to another material such as vinyl coating applied to steel.
Coiling	A relatively long, continuous piece of material rolled to form a coil.
Corrugating	The process of creating a pattern of ridges and grooves on a flat surface.
Crowning	The process of creating a curve across the width of a vibrating screen or screen plate to a specified radius. May be a single or double crown.
Cut to Size	This describes the option of cutting a standard size into pieces of specified size with typically 90 degree corners. Used to describe this process regardless of what tool or machine is used to do the cutting.
De-Burring	The process of brushing or polishing material to remove the sharp edges that are present as as result of punching, slitting, shearing or otherwise cutting the material
Degreasing	Removal of oil or lubricant from an item through the use of a detergent or chemical process
Drawings Required	Drawings required to confirm material specifications, sizes or to aid in erection of the finished materials.
Electro-galvanizing	The process of electrolytically applying a thin coating of zinc to a base material. The result is a much thinner zinc coating than hot dip galvanizing.
Embossing	A technique for altering the surface of a sheet to make a raised design.
Flame Cutting	A cutting process using a oxygen and acetylene mixture which, when propelled through a torch and ignited, produces a controlled flame. Used for cutting carbon steel and most metal alloys.
Forming	A variety of processes that change the shape of material to a specific form through cutting, bending, molding, stamping, etc.
Framing	An option where a secondary product, usually U-edging or angle is cut and welded to form a frame around the edge of the material.
Heat Treating	A process where solid steel or components manufactured from steel are subject to treatment by heating to obtain required properties, e.g. softening, normalizing, stress relieving, hardening.
Hot Dip Galvanizing	The process of applying a zinc rich coating to steel to prevent corrosion by submerging the material in a tank of molten zinc for a period of time.
Leveling	The process by which material is made flat to a specific tolerance.
Notching	A type of cutting where material is removed from a portion of the edge of a product to specified dimensions resulting in a "cut-out" or notch in the edge of the material
Painting	The process of applying paint to material.
Phosphate Wash	A type of bath designed to remove oils and surface dirt from material.
Plasma Cutting	A cutting process using a plasma cutting torch that applies electrically charged gas to cut and a gas jet to expel the molten material.
Plating	The application of a thin layer of a secondary metal to a primary metal through an electrolytic process.
Polishing	The process of changing the surface appearance of a material through the repeated application of an abrasive media (brushing, grinding, sanding, etc.)
Powder Coating	The process of applying powdered paint to an item then placing it in an oven where the powder particles melt and coalesce to form a continuous coating.
Random Cutting	The process of cutting when material is cut to size without regard to any finished pattern or stub length.
Rolling	The process by which a sheet is formed into a full or partial segment of a cylinder or cone.
Slitting	A cutting process which is used to cut a coil into a series of strips of considerable length. Typically these strips are recoiled during this process.
Straight Cutting	Straight line cutting at a 90 degree angle to the edge of the material.
Test Certificate	A certification that material has been tested and adheres to certain standards.

Vibrating Screen - Perforated

A product made of perforated metal to which hook flanges are attached. The resulting product is then installed into a machine designed to sort material to size.

Water-soluble lubricant

The use of water soluble lubricants when perforating metal or in a cutting process so that the material can be cleaned afterwards by a detergent bath instead of chemical degreasing.

Applications:

Architectural/Decorative

Applications where the appearance of the finished item is as important as the function of the item.

Container/Enclosure

Products used as components of a container. The container may be to keep objects in or as a security device to keep people or things out.

Filter/Screen

Material used to reduce the flow of a liquid or gas, to limit the size of a particulate or to reduce the amount of light allowed to pass.

Fixture/Furniture

Material used as a component in a fixture or furniture.

Grille/Guard

Material used in some way to restrict access to an area.

Panel/Partition

Material used as the means to stop the passage of something from one place to another.

Part/Equipment

Products used as parts on equipment or machinery.

Railings

Products used to form a physical barrier around an area or platform, typically a handrail.

Scala, Mary Joy

From: James R. Schnitzhofer, P.E. <jrs@schnitzhoferandassoc.com>
Sent: Thursday, April 30, 2015 3:05 PM
To: Dennis Branner
Cc: Scala, Mary Joy
Subject: 324 West Main Street - Preliminary Screen Framing
Attachments: Screen Framing - 324 West Main.pdf

Hello Dennis and Mary:

Please see the attached preliminary screen framing (2 pages) for the 324 West Main Street project.

The proposed screen material I have used as an example is also attached. This is 53% open and will need to be galvanized or painted to resist corrosion.

Mary... Please let me know the required height. I would like to keep this to 36" max if possible. Dennis: Is there a way to get the legs of the units down to 36".

If not, it is not a big deal, the steel angle sizes will increase to 4x4's but the framing idea will remain the same.

Please let me know your thoughts and comments. Once I have the final thoughts and comments I will finalize the design documents and issue for construction.

Kindest Regards,

-Jim

JAMES R. SCHNITZHOFFER, P.E.
PRESIDENT

SCHNITZHOFFER & ASSOCIATES, LLC
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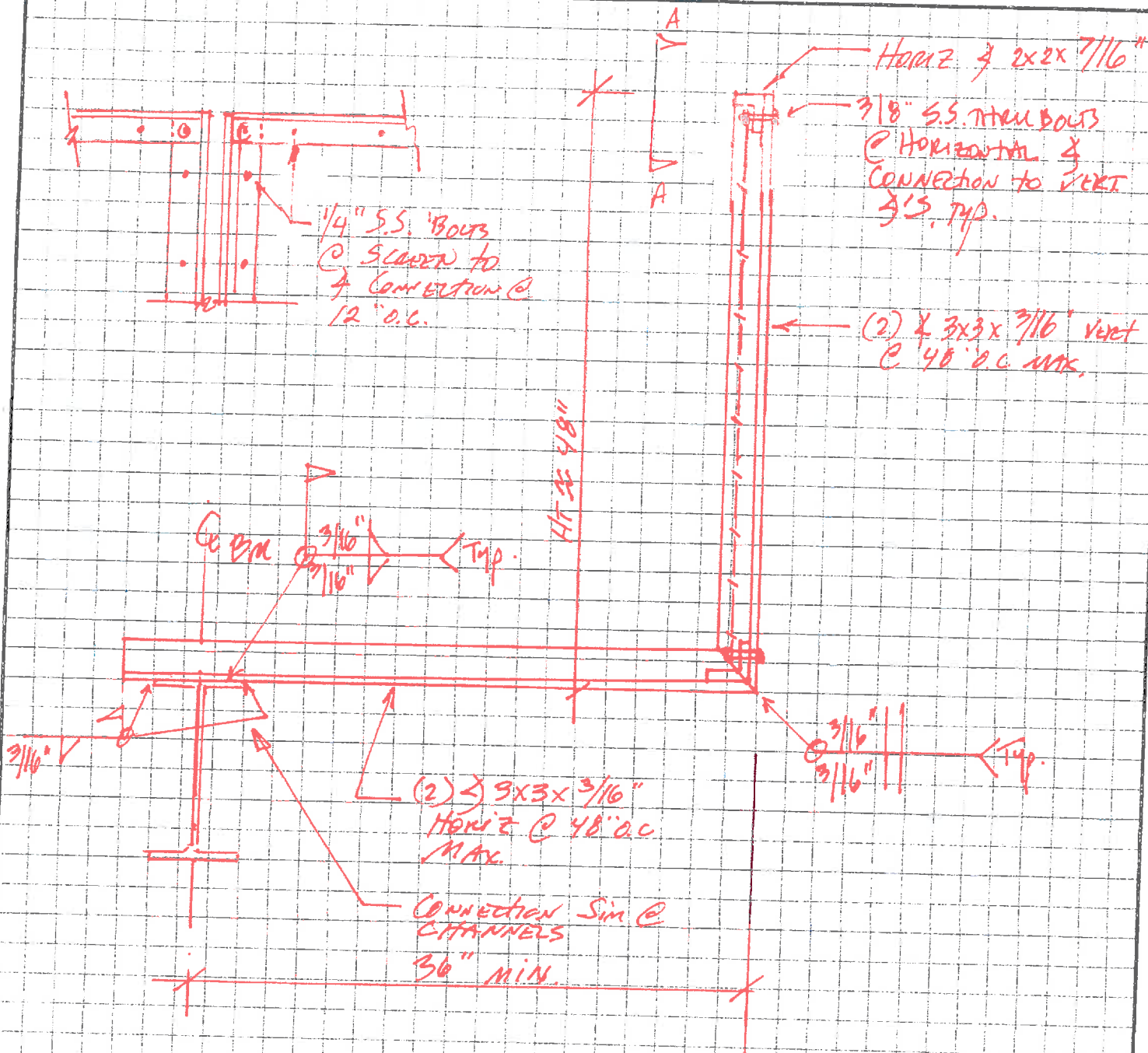
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SCREEN FRAMING DETAIL (PRELIMINARY)

N.T.S.



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PROJECT NAME:	324 W. MAIN ST.
PROJECT ID:	15-027
ISSUE DATE:	4-30-15
DESIGNER:	JRS
SHEET:	SCREEN FRAMING

