

ARCH 2431. Building Technology III

Building Information Modeling with Revit Day 02

Steel Stairs and Research

 **AUTODESK® REVIT®**
DESIGN • CONNECT • OPTIMIZE



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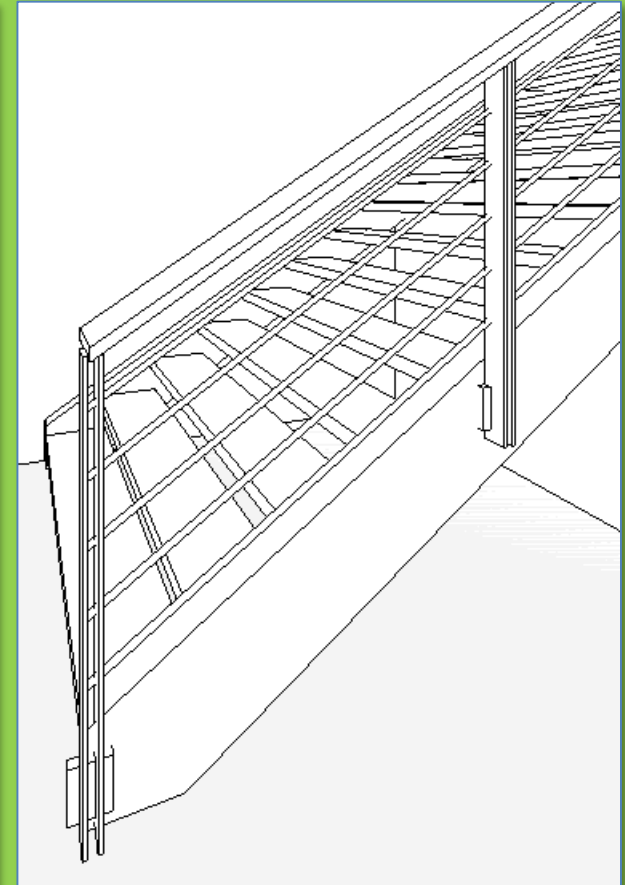
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Scavenger Hunt Stair Assembly Research

Day 02

Scavenger Hunt Research

- Stair Design Idea
- Photographs of Stairs
- Shop Drawings of Stairs
- Manufactures of Stairs
- Manufactures of Railings



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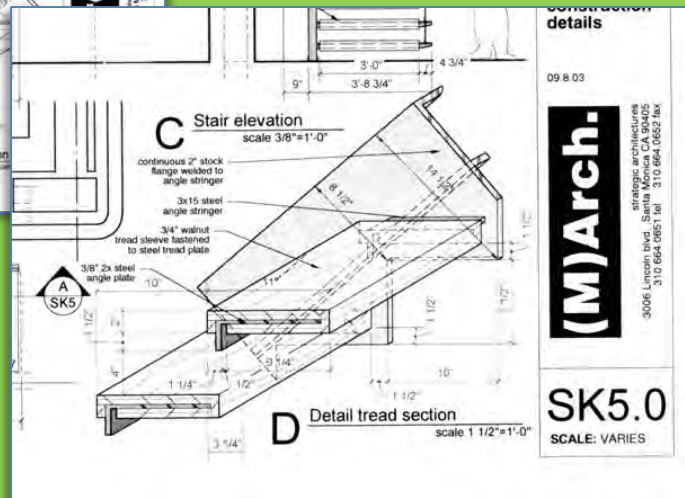
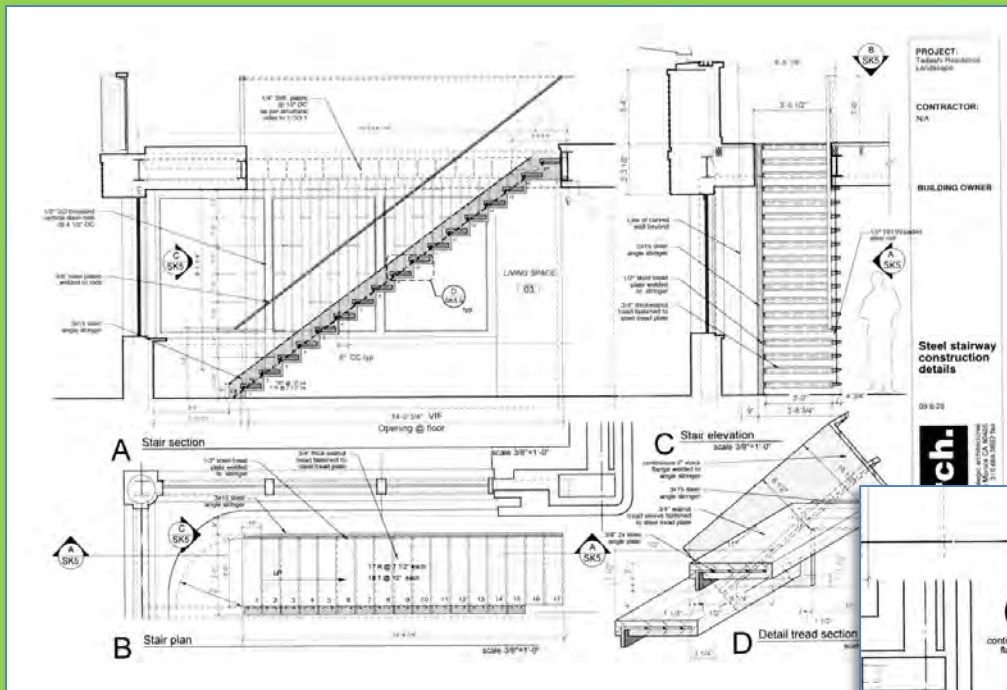
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construction details

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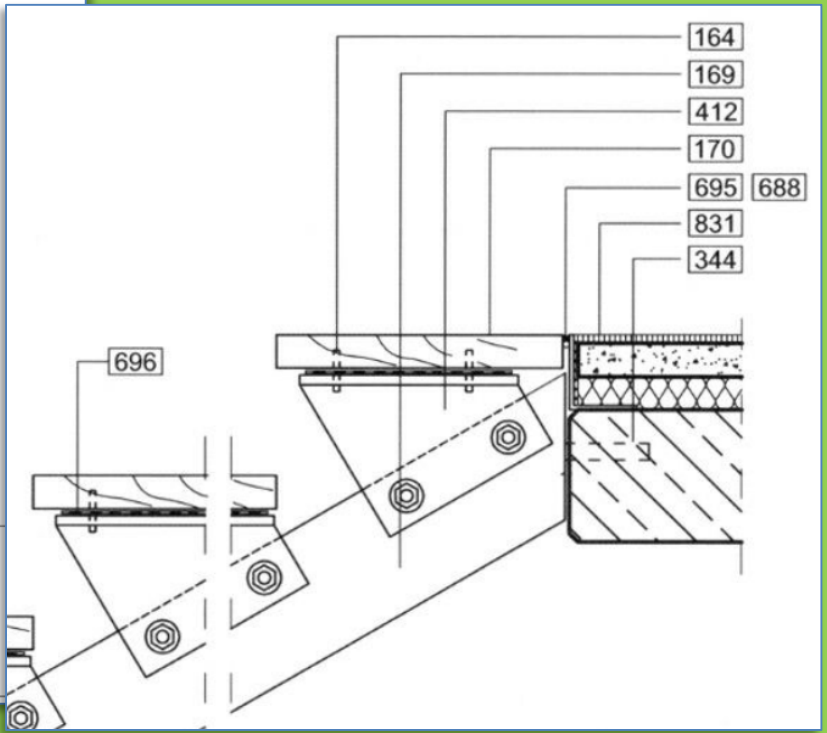
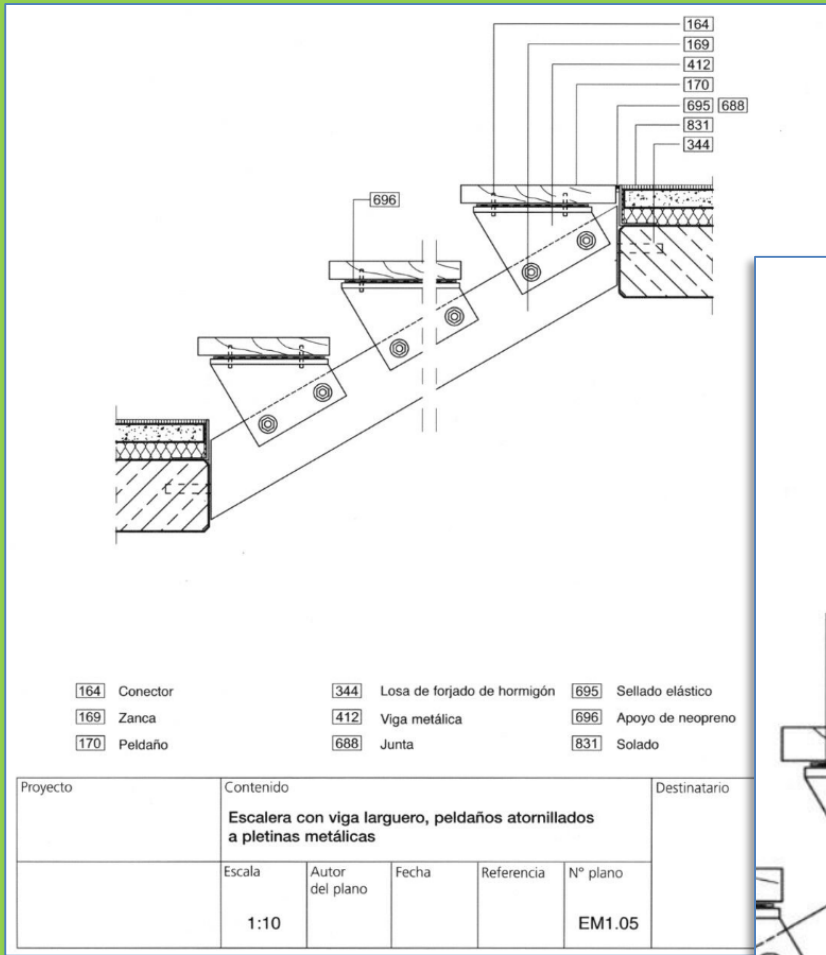
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 SCALE: VARIES

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The screenshot shows the Lapeyre Stair website. The URL is https://www.lapeyrestair.com/egress/welded. The page features a navigation menu with options like Home, Alternating Tread Stairs, Steel Stairs, Account, and CONTACT US. Below the navigation, there are tabs for Features, Get A Quote, Welded Steel Stairs, Bolted Steel Stairs, Custom Systems, Product Gallery, and Support. The main content area is titled 'Steel Welded Stairs' and includes a photograph of a modern staircase. The text describes the benefits of steel welded stairs, such as reduced design time and compliance with building codes. A 'Steel Welded Stair Benefits' section lists four key advantages. On the right side, there are several buttons for 'Get a Quote', 'Specifications', 'Product Gallery', 'Support', and 'Our Code Compliance'. At the bottom right, there is a 'Reference Material' section with buttons for 'Standard Product Details', 'Installation Instructions', and 'Sample Welded Pricing'.

<https://www.lapeyrestair.com/egress/welded>

Scavenger Hunt Stair Assembly Research

The screenshot shows the website for Pascetti Steel. The browser address bar displays the URL: <https://pascettisteel.com/portfolio-view/self-supporting-steel-stair-unit/>. The website header features the Pascetti logo, which is a red oval with the name 'Pascetti' in white script and 'CUSTOM FABRICATION' and 'PASCETTISTEEL.COM' in smaller text. The navigation menu includes links for HOME, ABOUT US, COMMERCIAL, RESIDENTIAL, FUNKY, CONTACT US, and BLOG. Below the header is a large photograph of a modern, self-supporting steel stair unit with wooden treads and a black metal railing system. To the right of the image is a text block with the following content:

Residential, Residential Railing, Residential Stairs

Self-supporting Steel Stair Unit

This elegant new stairway transformed the main entry of this residential remodel. The original adobe wall and wooden stair was completely removed and a self-supporting steel stair was put in its place. Transparency of the new system opened up the entire home and brought a modern touch into the once traditional architecture. The steel stair was framed with 6 inch channel and custom tread supports. The railing matched the industrial look with solid flat bar and half inch solid round bar. The treads were finished with a clear polyurethane to complement the raw steel finish of the stair. Contact Pascetti steel to help transform your outdated home or office with new modern metal fabrication.

At Pascetti Steel we specialize in custom and pre-fabricated, ready-to-assemble **stair units**. From formed steel plate and channel stringers to stair units with aluminum ADA compliant treads. We can ship complete pre-finished stairs directly to the job site with all necessary hardware. Custom railings can always be added to match the style of stair.

Working with architects and designers at the initial design stage or directly with homeowners, Pascetti Steel will make the entire process from drawings to installation seamless and hassle free. We plan safety and stability into every design we make, the railings and hardware are fabricated to be strong, durable and visually appealing. Choose from a variety of styles including cable railing, glass railing, hand forged and custom railing. We also offer pre-finished aluminum balcony railing for hotels, resorts and other commercial buildings.

<https://pascettisteel.com/portfolio-view/self-supporting-steel-stair-unit/>

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The screenshot shows a web browser window with the URL https://www.viewrail.com/floating-stairs/flight/straight-stair-stringer/?utm_term=%2Bsteel%2Bstair%2Bstringer&utm_campaign=. The page features a navigation menu with 'Design Options', 'Configurations', 'Install', 'Pricing', 'Learn', and 'Shop'. A prominent 'GET A QUOTE' button is visible. The main content area includes a large photograph of a modern staircase with wooden treads and a black metal stringer, set in a bright, open-plan living space. To the right of the image is the heading 'Straight Staircase' and a descriptive paragraph: 'Shop our straight metal staircases that are specially built for your home and arrive as a single metal staircase kit. It will include all of the components, tools, and hardware required to install it yourself. Our DIY system is perfect for open concept or modern homes. For more information contact one of our experts by clicking the button below.' Below this is a 'Features:' section with a bulleted list: 'Stainless Steel', 'Accessible Installation', 'Custom Engineered Staircase', and '4 Week Lead Time'. At the bottom of the page are two buttons: 'VIEW GALLERY' and 'START YOUR PROJECT'. A row of four smaller images shows different views of the staircase.

<https://www.viewrail.com/floating-stairs/flight/straight-stair-stringer>

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The screenshot shows the website www.steelplusrailing.com/products.php. The page features the company logo "STEEL Plus Railing Solution" and the tagline "Architect Hardware Products Safety, Elegance & Durability.....at every step." Below the navigation menu, there are two main product images. The left image shows a stainless steel pillar and baluster system with a glass railing, accompanied by the text "SS Baluster SS Pillar SS Pipe Glass Railings" and a description: "Home, Apartment SS Pillar SS Pipe Glass Railings Custom designed requirements of our clients. Satisfaction." The right image shows a close-up of the stainless steel handrail and baluster assembly.

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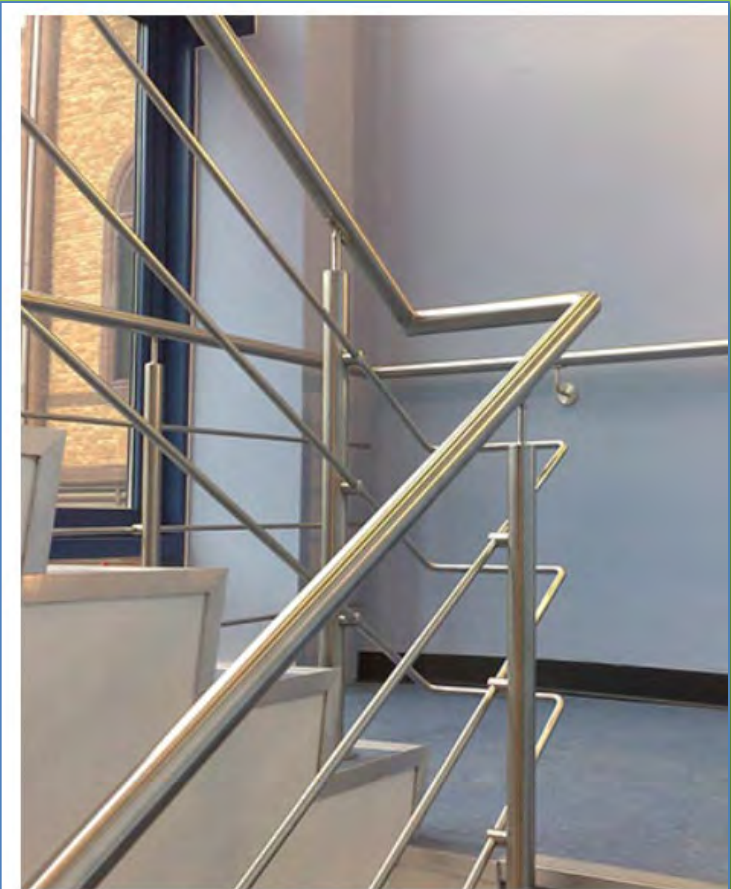
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▶ SS Pipe Bluster Designer Spiral Stair Railing CLOSE X



▶ Steel Pipe SS Bluster Horizontal Stair Railing

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The End

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