

SALIT SPECIALTY REBAR

SALIT GROUP OF COMPANIES

SSR Stainless Steel Digest

May 2018



Kevin here.

SSR has purchased a Melc Flexiline 25x4 straightening and cutting machine from Germany's EUROBEND GmbH. The machine will straighten from coil, stainless steel rebar up to #8 (25mm in diameter). The machine will be used exclusively for running straight bars for bridge decks. It will be commissioned by September.



EUROBEND has been involved for more than two decades in the manufacturing of advanced technology machinery. The company produces fully automated electronically controlled machines for straightening, cutting and bending of all types of steel wire (smooth, deformed, recessed or rebar) mesh welding, and mattress-making.



Here is a sneak preview of our soon-to-be new addition. [VIDEO \(4:59\)](#)

Sincerely,

**Kevin Cornell, Vice President Salit Specialty Rebar Sales
Salit Specialty Rebar**

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Social Media

Connect with SSR on its social media sites to receive timely news about the company and its products

SALIT SPECIALTY REBAR

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Smith Avenue High Bridge

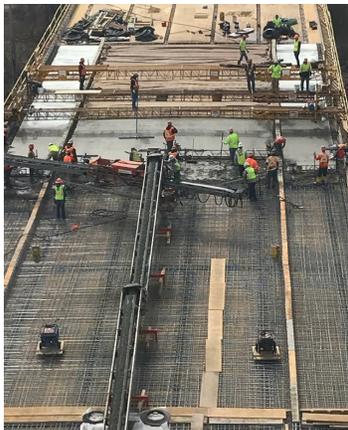
St. Paul, Minneapolis

Through most of 2018, the Minnesota Department of Transportation is undertaking the reconstruction of St. Paul's Smith Avenue High Bridge that is included in a larger resurfacing project on Smith Avenue and Dodd Road, also known as Highway 149.

Construction crews from Kraemer North America are reconstructing the driving surface (deck) of the bridge spanning 2,769 feet over the Mississippi River. The project is being delivered with the Construction Manager/General Contractor (CMGC) alternative contracting method. The project will extend the lifespan of Highway 149 and the High Bridge, provide a smoother road surface, and improve pedestrian and bicycle elements.

Salit Specialty Rebar is supplying 260 tons of Stainless Steel Type 2304 Duplex to Harris Rebar. Harris is North America's leading fabricator, installer and distributor of concrete reinforcing steel and related products (www.harrisrebar.com).

SS 2304 Duplex UNS-S32304 rebar has specific applications including bridge decks, barrier and retaining walls, anchoring systems and dowels, chemical plant infrastructure, coastal piers and wharves, bridge parapets, sidewalks and bridge pilings. Another application for 2304 Duplex stainless includes bridge tie wire. The high strength capability and minimum yield strength of 75 ksi (518 MPa) for 2304 Duplex stainless rebar is an added economical advantage.



Photos: Kraemer North America; Harris Rebar.

See Kraemer NA Facebook Page for photos. [Click Here](#)

More project information is available at www.mndot.gov/metro/projects/hwy149highbridge

and services, along with industry news.

Please visit and LIKE our Facebook page. This is one way to stay informed about SSR's stainless steel reinforcing products and services.



[Facebook](#)

Interchange

Route #17 at Prospect Mountain

Binghamton, NY

Reconstruction of Route #17 at Prospect Mountain has the objectives of eliminating operational deficiencies that affect safety of the NY Route #17/Interstate #81 interchange in the City of Binghamton. In addition, the project addresses structural deficiencies of bridges over the Chenango River, and upgrades Route #17 to allow its future designation as Interstate 86.

[VIDEO \(40 sec.\)](#) Animated overview of completed project

Being completed in multiple phases by 2019, the project includes:

- Installation of high mast lighting
- Intelligent Transportation Systems that include closed circuit television camera, highway advisory radio, and permanent variable message signs
- Reconfiguration of the Mygatt Street exit
- Replacement of bridges over the Chenango River
- Reconfiguration of Interchange 4 (State Route #17/I-81 and State Route 7)

Salit Specialty Rebar supplied 1,600 tons of XM-28 to Re-Steel of Eddystone, PA. XM-28 Austenitic UNS S24100 is a high-manganese, low-nickel, nitrogen strengthened austenitic stainless steel. By means of solid solution strengthening, the nitrogen provides significantly higher yield and tensile strength as annealed without adversely affecting ductility, corrosion resistance or non-magnetic properties.

Re-Steel fabricates and supplies rebar to strengthen concrete for large-scale construction projects, including bridges, highways, major sports stadiums, high-rise buildings, and other large structures (www.resteel.com).



Photos: Project Facebook Page ([Click Here](#))

George Washington Bridge

Rehabilitation Program

New York New Jersey Port Authority

In 2017 the Port Authority of New York and New Jersey began a seven-year restoration of the 85-year-old George Washington Bridge spanning the Hudson River between New York and New Jersey. The project includes replacing its suspender cables in the agency's 10-year capital plan. Replacing the 592 vertical cables, or suspender ropes, which are the original cables that support the bridge deck is the most significant project. Cable replacement began in 2017 and is expected to continue to 2024.



[Sunrise view of the George Washington Bridge from Fort Lee in January of 2017 Photo by Kris Denkers Gypsy Owl Photography.jpg](#)

Most of the upper deck work will involve replacing sections of the roadway surface and underlying steel framework surrounding the expansion joints that occur every 60 feet across the 4,670-foot span. The project has a construction schedule involving 11 projects as part of the Port Authority of New York and New Jersey's nearly \$2 billion "[Restore the George](#)" (VIDEO 1:46 min.) program.

Salit Specialty Rebar is supplying 1,300 tons of 316LN Austenitic UNS S31653 to Brooklyn Rebar (www.brooklynrebar.com) and Fort Miller Precast (www.fortmiller.com). The reinforcing steel is being used in precast concrete products and poured-in-place deck segments.

The alloy, 316LN has excellent corrosion resistance due to its high chromium and nickel content and a 2% to 3% molybdenum addition. The latter enhances the corrosion resistance found in harsh environments, especially chlorides. It offers superior resistance to pitting or crevice corrosion failures typical of high salt of coastal areas. The alloy is austenitic providing excellent formability, weldability, and cryogenic ductility.

Brooklyn Rebar provides fabricated rebar to complex, large and small bridges, concrete high rises, tunnels, treatment plants, and power plants, ranging in size, from 1 to 10,000 tons of rebar. Fort Miller Precast is one of North America's most diversified precast concrete producers.

Kapolei Consolidated Corporation Yard Phase 3

Kapolei, HI

The City & County of Honolulu's new Kapolei Corporation Yard accommodates various City storage, maintenance, and driver and

equipment training facilities to serve the Leeward District. The Phase 3 project included construction of a training warehouse, office building, automotive equipment service (AES) building, paint/weld shop building, fuel canopy, and generator building, along with chain link fence and gates, parking, crane pad, detention basin, preservation area, unimproved area, mechanical, electrical, civil, and landscape work.



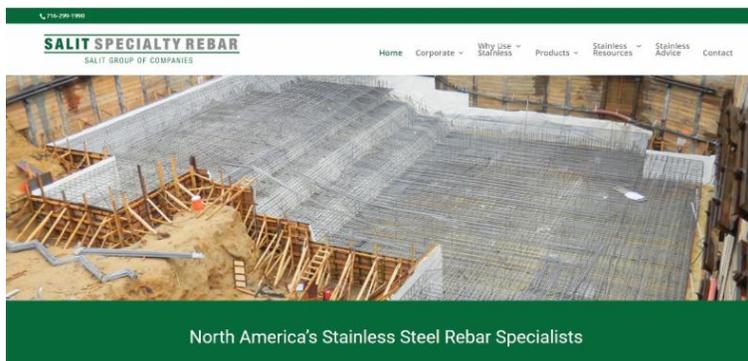
Photo Source: [Wilson Okamoto Corporation](#)

Salit Specialty Rebar supplied 180 tons of 2304 Duplex UNS-S32304 stainless steel rebar to CMC Rebar. SS2304 Duplex has specific applications including bridge decks, barrier and retaining walls, anchoring systems and dowels, chemical plant infrastructure, coastal piers and wharves, bridge parapets, sidewalks and bridge pilings. Much of the steel was used for the warehouse.

CMC Rebar (www.cmc.com) is a division of Commercial Metals Company, one of the largest steel recyclers in the U.S. Its recycling division collects ferrous scrap which is sent to one of the company's steel mini mills for melting into raw steel. Once melted and formed into semi-finished steel, it is further rolled into rebar. The rebar is fabricated and installed by CMC Rebar in construction projects. After the project has completed its design life, the rebar is collected from the demolished structure and returned to CMC steel mills for converting into steel once again.

Wilson Okamoto Corporation designed and prepared construction drawings and specifications for site water, sewer, drainage systems, and a State Environmental Assessment.

Bookmark SSR's website for technical info



The Salit Specialty Rebar website builds a case for specifying stainless steel reinforcement through archived technical information, listing of SSR services and products, and providing links to engineering services for designers who may wish to consult with SSR's specialists during the planning stage of a

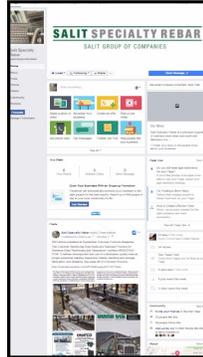
project.

The site archives photos and videos highlighting SSR's fabrication equipment, facilities, projects, and people who work with clients daily.

stainlessrebar.com

LIKE SSR's Facebook page to help build a network of stainless steel reinforcement specialists

The challenge for Salit Specialty Rebar is to build a community of followers by encouraging clients, past clients, prospects, Salit family staff, and people interested in the stainless steel reinforcement industry to **LIKE the SSR Facebook page**.



Social media sites have a growing role in business, related to current events that distribute 10 to 30 second news releases in copy, photos and video that keep followers informed.

When a person LIKES the SSR page, they automatically opt into following the page. This means that SSR posts will be seen in their feed and SSR will be listed in their 'LIKED' directory.

www.facebook.com/salitspecialtyrebar/

Stainless steel welded wire

mesh mats for resilient

infrastructure

Standard-sized stainless steel welded wire mesh mats were introduced by Salit Specialty Rebar <http://stainlessrebar.com/> to the poured-in-place and precast concrete markets in the USA and Canada to facilitate precast concrete production and lower costs of construction.



The new product is available in two different styles of mesh produced using two different alloys. One product is 6X6 D2.9/D2.9 (gage) that would be assembled in 6-foot x 12-foot mats. The other product is 4X4 D4/D4 (gage) available as 6-foot x 12-foot mats. These sizes are the most popular in carbon mesh. All stainless wire mesh is branded with "SALIT" so buyers know that the wire mesh they are using is from a source in the Salit Group of Companies.

[Click here](#) or on the title to download a Technical Information Sheet (TechInfo Sheet 01 15)

[2304 Duplex |UNS-S32304](#)

Stainless rebar adds to the design life of structures

2304 Duplex UNS-S32304 stainless is a lean duplex stainless steel that has a microstructure consisting of austenite and ferrite phases. This duplex microstructure and the chemical composition of 2304 Duplex stainless results in an excellent combination of strength and corrosion resistance.



The high strength capability of minimum yield strength of 75 ksi (518 MPa) for 2304 Duplex stainless rebar is an added economical advantage. In the annealed and hot rolled conditions, 2304 Duplex stainless is ferromagnetic.

2304 Duplex stainless possesses good resistance to general corrosion in many acid environments, chloride stress corrosion cracking, pitting and crevice corrosion.

Applications

Specific rebar applications include bridge decks, barrier and retaining walls, anchoring systems and dowels, chemical plant infrastructure, coastal piers and wharves, bridge parapets, sidewalks and bridge pilings. Another application for 2304 Duplex stainless includes bridge tie wire.

[Click here](#) or on the title to download a Technical Information Sheet (TechInfo Sheet 03 15)

SSR's Buffalo facility ships products throughout the USA and Canada



1050 Military Road, Buffalo NY
www.stainlessrebar.com/corporate/who-we-are/#

SSR's 40,000 square-foot facility at 1050 Military Road, Buffalo easily supplies clients in Canada and the United States with an increasing range of stainless steel products. The facility is approximately 4 miles from the Peace Bridge - a major international border crossing between Fort Erie, Ontario, and Buffalo, New York.

About Salit Specialty Rebar

Thank you for buying our products and enlisting our services. We appreciate your business.

With stainless steel mesh and mats in our product line, we look for the support of our clients to help build our brand as North America's specialist for stainless mesh and mats.

Our corporate vision is one of leadership, innovation and consistently exceeding expectations. This vision is backed by extensive experience in the industry. As with all members of the Salit Steel family, we pride ourselves in providing unparalleled customer service.

Team SSR

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