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Superior Guardian® 6203 Twin 44"x32' AggreDry® Wash Plant

Year: 2023

Serial Number: 2344411

Approx. Hours: Electric





AUTHORIZED DISTRIBUTOR FOR:
McCloskey **SUPERIOR** **LIPPMANN**
MDS **ECOVERSE** **MAJOR HARDOX WEARPARTS**

**Superior Portable Guardian® 6203 Twin 44" AggreDry® Wash Plant**

Model #: 6203T44APWP

Plant Specifications

Construction	Main frame constructed of wide flange structural beams
Discharge Chute	Manual rollaway chute constructed of 1/4" structural steel with 1/4" weld-in AR 400 liner
Rubber Flashing	Rubber flashing on the top deck overs discharge chute to slow discharge velocity of material, and helps mitigate cross contamination on cross cc
Blending Capability	1/4 panel blending gates in discharge chute system
Top Deck Discharge	Over the kingpin or blends down to bottom deck cross conveyor
Middle Deck Discharge	To middle deck cross conveyor or blend down to bottom deck cross conveyor
Bottom Deck Discharge	To bottom deck cross conveyor or blend up to top deck discharge
Walkway	Walkway around both sides and feed end of screen: ends where screen meets discharge chute, manually folds one side (non drive side)
Observation Platform	Observation platform for the dewatering screen
Walkway Access	Access to both sides of chassis with (2) vertical sliding ladders
Access Gates	Self closing hinged gates at all walkway access points
Slurry Hopper	Screen feed slurry hopper folds manually for transport with (2) 2.5" water lines
Wye Strainer	Not included
Grease Package	Remote grease station, multiple grease points outside of chassis frame
Tool Box	Not included
Cord Holders	Not included
Safety Tieoff	Overhead safety tie off posts with cable between two posts
Paint	Standard Superior paint - Graphite Gray (RAL 7024) chassis, Window Gray [RAL 7040] Screen box and Aggredry Dewatering Washer, Superior Yellow handrail and guarding
Guarding	For all drive and tail pulleys, guards may not meet all local codes; customer is responsible to have guarding inspected

Chassis Specifications

Axle	Quad axle with (16) 11Rx22.5 radial tires
Suspension	Spring suspension
Brakes	Complete air brake package
Fifth Wheel	Included
Lights	Brake and directional signals
Mud Flaps	Installed behind transport wheels
Cribbing Legs	(8) fixed structural steel cribbing legs
Landing Gear	2-speed crank down to aide in lifting off and attaching to truck
Tow Eye	Not included
Level Assist	Not included

Spray System and Underflume

Underflume Construction	1/4" AR plate
Underflume Spray Bars	Located at feed and discharge points
Manifold	8" bolt flange for fresh water hookup (customer responsible for fresh water plumbing to manifold)
Manifold Distribution	Distributes water to screen spray bars, slurry hopper, FMW wash back and fines hopper

Cross Conveyor Specifications

Cross Conveyors	(2) 30" x 12' long slide-in reversing cross conveyors
Drive	Class II head end
Gear Reducer	Dodge shaft mount
Motor	7.5 HP motor(s) TEFC
Drive Pulley	10" diameter, diamond lagged MD crown faced drum
Tail Pulley	10" diameter MD wing pulley
Bearings	Dodge
Idlers	CEMA C, 5" dia. Rolls, sealed for life ball bearings, 20°
Belting	3 ply 3/16 x 1/16 330 PIW
Belt Splice	Factory vulcanized belt splice(s)
Belt Scraper	(1) Exterra Primary scraper per cross conveyor

Screen Specifications

Screen Size	Guardian 6x20 3-deck horizontal screen
Screen Drive	Right hand
Configuration	Operate in true horizontal position
Screen Motor	1200 RPM 40 HP, TEFC, NEMA Premium "Design C" included
Folding Motor	Manually folding motor for plant to travel at 12'6" wide
Shaft Housing	Mild steel protection clamped to shaft housing
Springs	Standard coil springs
Feedbox	24" Feedbox with 1/4" AR liners

Top Deck

Top Deck Type	Heavy x-brace single crown deck to accommodate 4' single crown wire cloth media sections
Top Deck Screen Media	Supplied and installed by customer
Top Deck Take Up	Standard take up rails
Top Cross Member Protectors	Not included

Middle Deck

Middle Deck Type	Heavy x-brace single crown deck to accommodate 4' single crown wire cloth media sections
Middle Deck Take Up	Supplied and installed by customer
Middle Deck Take Up	Standard take up rails
Middle Cross Member Protectors	Not included

Bottom Deck

Bottom Deck Type	Heavy x-brace single crown deck to accommodate 4' single crown wire cloth media sections
Bottom Deck Screen Media	Supplied and installed by customer
Bottom Deck Take Up	Standard take up rails
Bottom Cross Member Protectors	Not included

Material Washer Specifications

Material Washer	Superior Twin 44" Aggredry® Dewatering Washer
Screw Speed	17 RPM
Capacity	Up to 300 STPH (subject to change based on final gradation)
Wear Shoes	Rubber
Screw Motor	(2) 20 HP TEFC
Gear Box	Dodge shaft mount
Dewatering Screen	Integrated 6x12 Dewatering Screen
Dewatering Screen Motor	(2) 11.4 HP electric vibrators

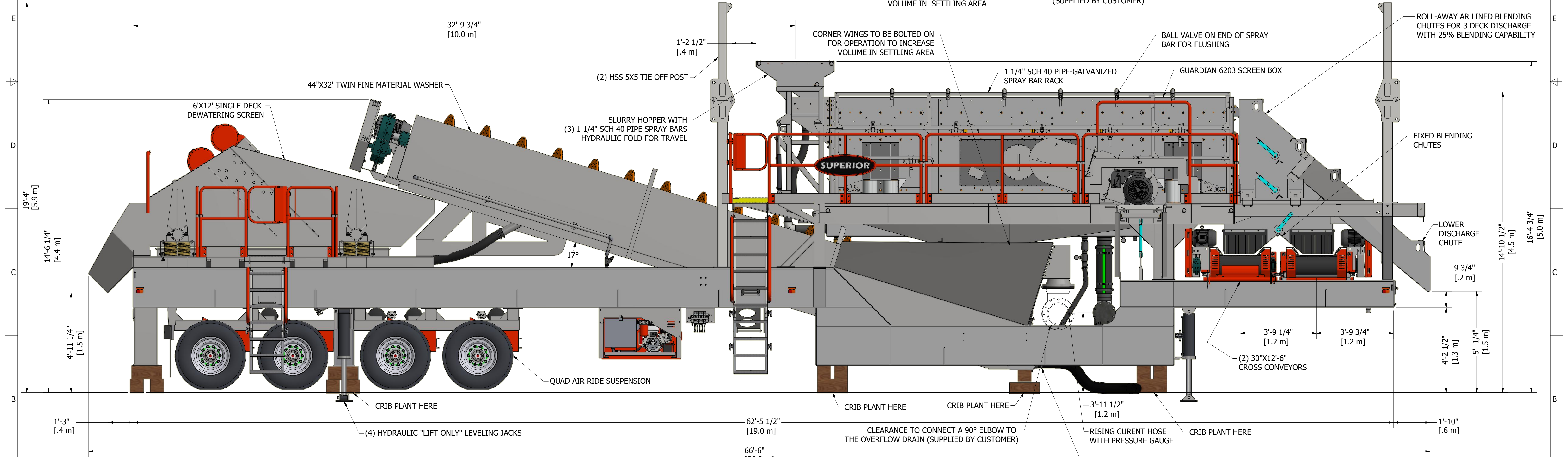
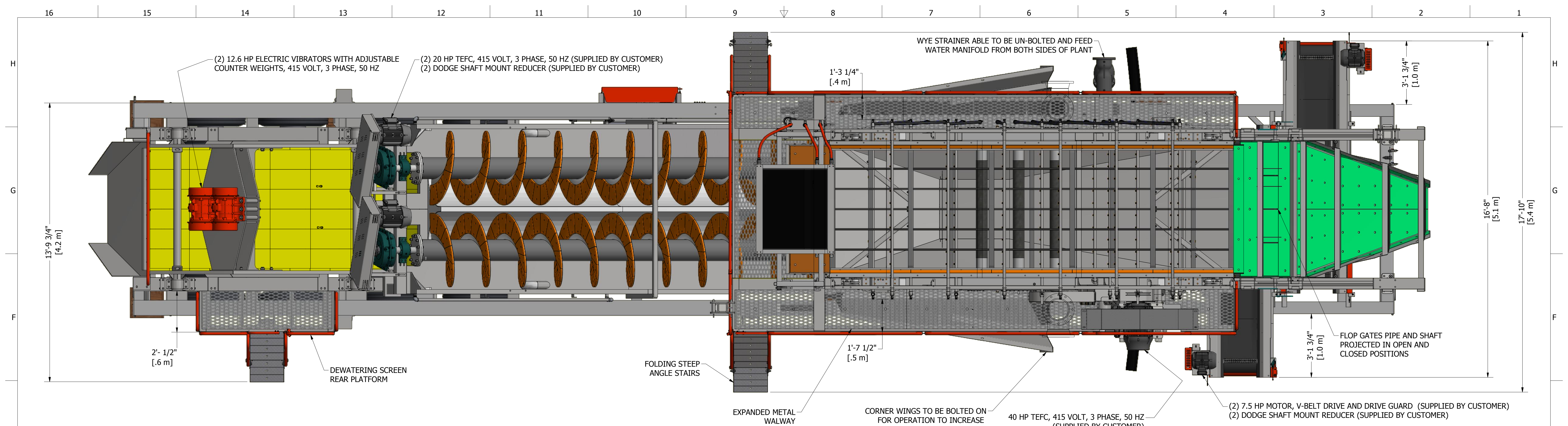
Electrical Specifications

Voltage	460 v / 3 ph / 60 hz
Control Panel	Skid mounted panel, with lifting eyes. Travels on plant and removed for operation. Includes starters for all on-board motors and (2) additional #2 starters and NEMA rated components
Wiring	Factory supplied and installed wiring from panel to all on board motors. Customer responsible for wiring power into control panel, and additional starters



Superior Portable Guardian® 6203 Twin 44" AggreDry® Wash Plant

Name		Description	Price USD:
Plant Options			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Hydraulic Leveling Legs	Hydraulic lift-only leveling legs with 9 HP Honda Power Unit
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Hydraulic Run-On Legs	Hydraulic lift-only leveling legs with 9 HP Honda Power Unit
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Roll Away Discharge Chute	Manual roll away discharge chute
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Chute Liner	Chute constructed of 1/4 structural steel with weld in 1/4" AR 400 liner
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Blending Gates	1/4 panel blending gates in discharge chute system
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Rubber Flashing	Rubber flashing on the top deck overs discharge chute to slow discharge velocity
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Safety Tie Off	Overhead safety tie off posts with cable between two posts
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Sliding Ladder	Vertical sliding ladder for access to walkway
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Steep Angle Stairs	Folding steep angle stairs for access to walkway
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Extended Front Walkway	Additional walkway on both sides of discharge chute
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Self Closing Hinged Gate	Self closing hinged gates at all walkway access points in lieu of safety chain
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Hydraulic Slurry hopper	Screen feed slurry hopper hydraulically folds for transport
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Wye Strainer	Bolt-on Wye strainer for fresh water supply to prevent debris from entering wash system
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Grease Stations	Remote grease station, multiple grease points outside of chassis frame
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Tool Box	48" x 12" x 16" aluminum tool box
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Cord Holders	Round pipe with end disc style cord holders welded to chassis frame
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Air Suspension	Air ride axle suspension
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Walking Beam Suspension	Walking beam axle suspension
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Tow Eye	Tow eyes and pulling lugs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level Assist	Electrical level assist system
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Urethane Wear Shoes	Urethane wear shoes in lieu of rubber
Electrical Options			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Voltage 575	575v / 3 ph / 60hz
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Voltage 400	400v / 3 ph / 50hz
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Control Panel	Electrical control panel with NEMA rated components including starters for all On-board motors and (2) extra #2 starters and VFD controls for FMW motor. Panel is wired to all on plant motors. Customer responsible to bring power to and wire in power cable
Conveyor Options			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Cross Conveyors	(2) 30" x 12' long slide-in reversing cross conveyors
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Primary Scraper	Superior Exterra Primary Scrapers
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Vulcanized Splice	Factory vulcanized belt splice on conveyors
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Class II Drive	Superior Class II Drive on all conveyors
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Idler Upgrade	Cema C Idlers
Screen Options			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Rubber Springs	Rubber springs in lieu of standard coil springs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Rubber Shaft Housing	Magnetic rubber shaft housing protection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Medium Scalper Package	Medium scalper package includes 3/8" lining in the feedbox, side plate extensions and medium scalper top deck
Top Deck Options			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5' Deck	Deck is designed to accept 5' long media instead of standard 4'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Medium Scalper Deck	Deck is a medium scalper deck that is built with thicker longitudinal bars: Max feed size is 14"
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Urethane Flat Deck	Heavy flat deck to accommodate urethane panels, includes installation of customer supplied stringers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Urethane Media Installation	Installation of customer supplied Urethane media. Urethane to be from a Superior approved vendor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Wire Cloth Installation	Installation of customer supplied wire cloth media. Wire cloth must meet Superior specifications
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Wedge Take Up Clamps	Wedge style take-up clamps in lieu of standard bolt style
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Cross Member Protectors	Magnetic rubber cross member protectors
Middle Deck Options			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5' Deck	Deck is designed to accept 5' wide media instead of standard 4'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Urethane Flat Deck	Heavy flat deck to accommodate urethane panels, includes installation of customer supplied stringers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Urethane Media Installation	Installation of customer supplied Urethane media. Urethane to be from a Superior approved vendor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Wire Cloth Installation	Installation of customer supplied wire cloth media. Wire cloth must meet Superior specifications
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Wedge Take Up Clamps	Wedge style take-up clamps in lieu of standard bolt style
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Cross Member Protectors	Magnetic rubber cross member protectors
Bottom Deck Options			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5' Deck	Deck is designed to accept 5' wide media instead of standard 4'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> End Tensioned Deck	Bottom deck is set up for end tensioned wire cloth in lieu of standard side tension
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Urethane Flat Deck	Heavy flat deck to accommodate urethane panels, includes installation of customer supplied stringers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Urethane Media Installation	Installation of customer supplied Urethane media. Urethane to be from a Superior approved vendor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Wire Cloth Installation	Installation of customer supplied wire cloth media. Wire cloth must meet Superior specifications
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Wedge Take Up Clamps	Wedge style take-up clamps in lieu of standard bolt style
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Cross Member Protectors	Magnetic rubber cross member protectors



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DATE SUBMITTED: 9/27/2018 DATE APPROVED: _____

APPROVED BY: _____ COMPANY NAME: _____

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ALL DIMENSIONS IN INCHES (UNO)
 TOLERANCES (UNO)
 FRACTIONAL: ± 1/16"
 ANGULAR: ± 1°
 DECIMAL: 0.0 ± 0.1
 0.000 ± 0.005
 0.0000 ± 0.0020
 ± 1/32"

INVENTOR: S. DUNN
 CHECKED: M. ESSON
 DATE: 9/27/2018

SCALE (UNO): 7/16"=1"
 FILE: VAULT\IX015-0100

SUPERIOR 315 E Highway 28
 P.O. Box 684
 Morris, MN 56267 USA

SUPERIOR 6203 SCREEN/WASH PLANT,
 44"x32' TWIN-AGGRE-DRY, 2X30" CROSS CONV.
 OPERATION APPROVAL G.A.

DRAWN BY: S. DUNN
 DATE: 9/27/2018
 SCALE (UNO): 7/16"=1"
 FILE: VAULT\IX015-0100

THIRD ANGLE PROJECTION

E-1 PART NO: F4432.6203HPWPAT
 WEIGHT: 0
 SHEET: 1 OF 1

HOLE Ø: