

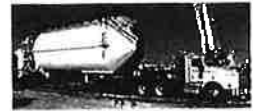
NuVision FHS 150 TPH Receiving and Transfer System – Based on 60LB/FT³ Material:

- Two (2) Overhead Receiving Screw Conveyors – 110' OAL (1x100HP TEFC Motor Each)
- Two (2) Under-bin Transfer Screw Conveyors – 135'/120' OAL (1 x 100HP TEFC Motor Each)
- One (1) Transfer Screw Conveyor – 25' OAL (1 x 20HP TEFC Motor)

Screw Conveyor Specifications:

- 304 Stainless Steel Construction
- Formed "U" Trough – Stainless Steel
- Heavy Duty Flighting Auger - Mild Steel
- Gear Reducer Drive System
- V-Belts & Pulleys
- Belt Guard - Stainless Steel
- Enclosed Discharge – Stainless Steel
- (14) 304SS Transitions to Screw Conveyor to 1600 Series Bins
- (14) SS Air Gate Kits complete for Overhead Screw Conveyor System
- (14) SS Air Gate Kits complete for Under-bin Screw Conveyor System
- Air Gate Kits include all required airline, valves & fittings, existing on-site air compressor will be re-used
- All Fasteners Stainless Steel

- (14) Model 1630E Bin – 6856 Cu/Ft. – 5828 Bushels – 193MT @ 62 LB. per Cu/Ft – 46' High with 60" of bin clearance, will be supplied for north storage rows 1 & 2
- Design & Build Meridian supplied bins to NuVision FHS drawing & specification
- 30 Ft. Ladder Cage.1 Roof Ladder Handrail – 16' Bins
- China Hats w/25" cover plate & w/12" flanged inlets
- 30 Ft. PVC Vent Tube to Bottom of Bin Leg
- 22" Top Manhole w/ triple latch system. One Bottom Man way – 18" – w/locking assemble
- 2 Poke hole – 8" Sq. Access to Discharge per bin
- 304SS Stainless Steel Slide Gate Assemble
- Lifting lugs x 4 for each bin is required
- Stainless Steel High Bin Level Couplers for High Level indication are included
- Roof Couplers for "Future" Smart Bob Inventory Control System are included
- Supply (14) NuVision FHS Vibrator Mount Plates to be factory installed one for each Meridian Hopper Bin
- Supply & Install (2) NuVision FHS Portable Vibrator Kits complete with all required airline, valves & fittings, existing on-site air compressor will be re-used
- Overhead Catwalk Brackets complete 60" for 16' Bin with bolt plate option – Mount Overhead SC



- Two (2) Only NuVision FHS Overhead Catwalk Systems complete, (7) Bins/Row
- Catwalk System Designed by NuVision FHS to OSHA Standard requirements, mild steel construction, and all catwalk components to be sandblasted before prime & paint is applied.

NuVision FHS Spouting Package 150/200TPH:

- Screw Conveyor Spouting Package 150TPH 10" x 10 Gauge down spouting. Painted Customer Colors – Co-op Black
- (2) Two Spout Packages for North Rows 1 & 2, Spouts to Overhead Screw Conveyors
- All down spouting is Sandblasted before primer & paint
- 10" angled flanges, 10" slip on sleeves,
- 10" HD elbows 10" HD clamps
- 10" HD queens-bridge spout support assemblies



- One (1) Concrete Walkway and Clean-up Pad to straddle existing ditch. (Actual Dimensions TBD).
- One (1) Concrete Bucket Elevator Pad 3' below grade for support. (Actual Dimensions TBD).
- 2015-074 Concrete Foundation design included with this quote.
- Engineered Foundation design is not included with this quote.

(8) Meridian 1600 Series Hopper Bottom Fertilizer Storage Bins:

- (8) Model 1630E Bin – 6856 Cu/Ft. – 5828 Bushels – 193MT @ 62 LB. per Cu/Ft – 46' High with 60" of bin clearance, will be supplied for south storage row totals 1544MT
- Options as per NuVision FHS Bin Quote 2015-074
- Design & Build Meridian supplied bins to NuVision FHS drawing & specification. DWG drawing package will be supplied by NuVision FHS
- 30 Ft. Ladder Cage.1 Roof Ladder Handrail – 16' Bins
- China Hats w/25" cover plate & w/10" flanged inlets
- 30 Ft. PVC Vent Tube to Bottom of Bin Leg – Ground Level Collection
- 22" Top Manhole w/ triple latch system. One Bottom Man way – 18" – w/locking assemble
- 2 Poke hole – 8" Sq. Access to Discharge per bin
- 304SS Stainless Steel Slide Gate Assemble
- Lifting lugs x 4 for each bin is required
- LV Control coupler & conduit - "FUTURE" Hi-Low Bin Level Indicators – included
- Smart Bob Inventory Control System - "FUTURE" Roof Coupler – included
- Supply (8) NuVision FHS Vibrator Mount Plates to be factory installed one for each Meridian Hopper Bin
- Supply & install (1) NuVision FHS Portable Vibrator Kits complete with all required airline, valves & fittings, existing on-site air compressor will be re-used
- Overhead Catwalk Brackets complete 60" for 16" Bin with bolt plate option – Mount Overhead SC

NuVision FHS Overhead Catwalk 8-Bin System Equipment Requirements:

- One (1) Only NuVision FHS Overhead Catwalk Systems complete, Catwalk Structure System Designed by NuVision FHS to OSHA Standard requirements, mild steel construction, all catwalk components to be pre-washed, sandblasted before prime & paint is applied.

New System Bin Down Spouting Package 150 TPH & All Required Project Guy Wire Cables:

- One (1) Only 150 TPH 10" x 10 ga down spouting package painted customer Pioneer Co-op corporate colors.
- Spout Package is for South Storage Row only
- All down-spouting is pre-washed before wash blast prime & paint
- 10" angled flanges, 10" slip on sleeves, 10" H.D. elbows, 10" H.D. clamps.
- 10" HD Queens bridge Spout support assemblies.
- Supply (1) only NuVision FHS Heavy Duty adjustable 10" cushion boxes with 3001187 Rubber Inspection Covers for future inspection & clean-out.
- New Ground Level Adjust Guy Cable posts are included, wire safety shields are standard
- 3/8" Galvanized Air Craft Cable, 3/8" thimbles, 3/8" clamps, 1/2" turnbuckles, 5/8" clevis.
- Bucket Elevator Guy Wire Poles & Guy Wire Package.

NuVision FHS 150 TPH Receiving and Transfer System – Based on 60LB/FT³ Material

- One (1) 44'6" OAL 150 TPH Truck Receiving Screw Conveyor (30HP TEFC Motor)
- One (1) 150 TPH Bucket Elevator - 100' Discharge Height (25HP TEFC Motor)
- One (1) 4 Way Electronic Flat-back Distributor
- One (1) Overhead Receiving Screw Conveyor – 130' OAL (2 x 40HP TEFC Motor)
- One (1) Under-bin Transfer Screw Conveyor – 155' OAL (2 x 50HP TEFC Motor)

Bucket Elevator Specifications

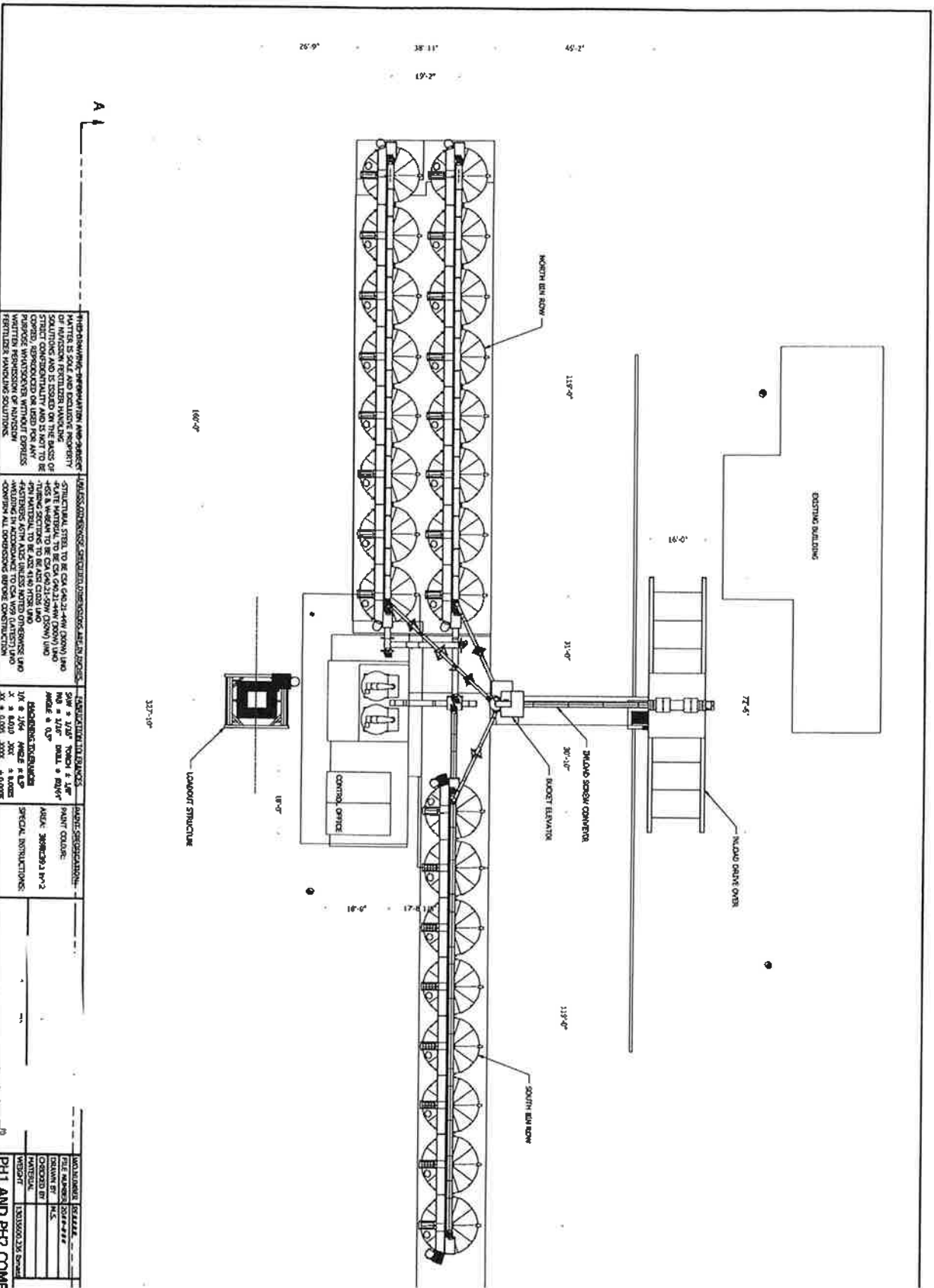
- 304 Stainless Steel Construction, all Fasteners are Stainless Steel
- 100' Discharge Height
- PVC Belt
- Lap Splice
- Belt Take-Up Bolt System - Stainless Steel
- Polyethylene Buckets.
- Bucket Fasteners - Stainless Steel
- 25 HP TEFC Electric Motor
- Gear Reducer Drive with Back Stop System
- V-Belts & Pulleys
- Belt Guard Stainless Steel
- Vulcanized Drive Roller with Shaft
- Turn-Clean" Boot Roller
- (1) Service Platform
- (1) Distributor Platform
- (3) "Heavy-Duty" Rest Platform every 20 foot.
- Ladder & Safety Cage.
- Zero Speed Sensor with Shutdown Capabilities
- Boot Sensor RPM Kit

Screw Conveyor Specifications

- 304 Stainless Steel Construction
- Formed "U" Trough – Stainless Steel
- Heavy Duty Flighting Auger - Mild Steel
- Gear Reducer Drive System
- V-Belts & Pulleys
- Belt Guard - Stainless Steel
- Enclosed Discharge – Stainless Steel
- (8) 304SS Transitions to Screw Conveyor to 1600 Series Bins
- (8) SS Air Gate Kits complete for Overhead Screw Conveyor System
- (8) SS Air Gate Kits complete for Under-bin Screw Conveyor System
- Air Gate Kits include all required airline, valves & fittings, existing on-site air compressor will be re-used
- All Fasteners Stainless Steel

Electronic Distributor Specifications

- 304 Stainless Steel Construction Flat-back Style



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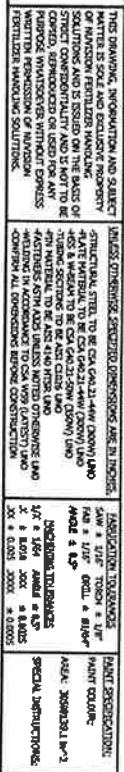
CONSTRUCTION DETAILS: SEE 100% DRAWING FOR DETAILS. MATERIALS TO BE USED SHALL BE OF THE FOLLOWING GRADES: STEEL - A36; CONCRETE - 4000 PSI; FERTILIZER - 10-10-10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

PAINT SPECIFICATION: PAINT COLOR: ACRYLIC EMULSION, 100% WHITE. SPECIAL INSTRUCTIONS: SEE 100% DRAWING FOR DETAILS.

REVISIONS: NO. 1, DATE 10/10/2024, BY [Signature], DESCRIPTION: [Description].

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NO. 1000000	DATE 10/10/2024
DESIGNED BY	PHI
CHECKED BY	PHI
DATE	10/10/2024
PROJECT	PHI AND PHI COME



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FILE NUMBER	2000-7-10
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ORDERED BY	
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