

CITY OF JEFFERSONVILLE

2025 SINGLE AXLE DUMP TRUCK

VEHICLE CONFIGURATION

2025 MODEL YEAR FREIGHTLINER 108SD (DELIVERED IN 2024)

SET BACK AXLE TRUCK

108" SEVERE DUTY PLUS FREIGHTLINER CONVENTIONAL CHASSIS

CHASSIS MUST BE MANUFACTURED W/ MULTIPLEX WIRING

TRAILER TOWING PROVISION TO E.O.F. WITH CONTROL VALVE

BASE CHASSIS WARRANTY MINIMUM 2 YEAR UNLIMITED MILES

RECEPTACLE WIRED FOR SEPARATE STOP-TURN WITH CENTER PIN

POWERED HOT THROUGH IGNITION WITH A STOP SIGNAL

DEALERSHIP SUPPORT FOR WARRANTY, PARTS & SERVICE INSIDE CITY

LIMITS WITH CONSIDERATION GIVEN ON 10 MILE RADIUS

ENGINE

CUMMINS L9 - 360 HP – 1150 LB-FT

INCLUDES CUMMINS ENGINE WARRANTY 2 YEARS/250,000 MILES

COMPRESSION BRAKE (EXHAUST BRAKE NOT ACCEPTED)

ANTIFREEZE -60 PRE CHARGED SCA HEAVY DUTY

ENGINE EQUIPMENT

160 AMP 28-SI ALTERNATOR W/ REMOTE SENSE

POWER DISCONNECT CUT OFF SWITCH INSIDE CAB, MOUNTED OUTBOARD OF DRIVER SEAT

2 DTNA 370RC BATTERIES W/ 2000 CCA

POS & NEG BATTERY JUMP POST LOCATED ON FRAME LH BEHIND CAB

CAB AUXILIARY POWER SHUT OFF LOCATED UNDER DR SEAT

CUMMINS 18.7 CFM AIR COMPRESSOR W/ SAFETY VALVE

RH UNDER STEP AFTERTREATMENT SYSTEM WITH RH VERTICLE EXHAUST

CAB MOUNTED W/ STAINLESS STEEL SHIELD

MINIMUM 13 GALLON DIESEL EXHAUST FLUID TANK W/ POLISHED DIAMOND PLATE COVER

1115 SQUARE INCH RADIATOR

1350 ADAPTER FLANGE FOR FRONT PTO

PHILLIPS 1000 WATT/115 VOLT BLOCK HEATER W/ CHROME RECEPTACLE UNDER DR DOOR

DELCO 35MT HD STARTER W MAGNETIC SWITCH

AIR INTAKE LH SIDE OF HOOD ONLY-(NO RH SIDE INTAKE)

SIDE OF HOOD AIR INTAKE W/ FIREWALL MOUNTED DONALDSON AIR

CLEANER THAT INCLUDES UNDER HOOD SNOW DOOR FOR PLOW TRUCKS

**QUICKFIT BODY LIGHTING CONNECTOR LOCATED UNDER CAB
TRANSMISSION INTERFACE CONNECTOR LOCATED UNDER CAB**

TRANSMISSION

**ALLISON 3000 RDS
SYNTHETIC FLUID IN TRANSMISSION
VEHICLE INTERFACE WIRING CONNECTOR W/ CAP EOF**

FRONT AXLE

**DETROIT AXLE MINIMUM 18,000#
MINIMUM 43" SET BACK AXLE
MINIMUM 52 DEGREE WHEEL CUT
BRAKES 16.5X6 Q+ SPIDER CAM DOUBLE ANCHOR
FRONT DUST SHIELDS
AUTOMATIC SLACK ADJUSTERS
SYNTHETIC FLUID 40/50W
TRW TAS-85 POWER STEERING
MINIMUM 18,000# SPRING SUSPENSION W/ SHOCK ABSORBERS**

REAR AXLE

**MERITOR MINIMUM 23,000# REAR AXLE
DRIVER CONTROLLED FULL AIR LOCKING DIFFERENTIAL
BRAKES 16.5X7 Q+ SPIDER HEAVY DUTY DOUBLE ANCHOR
REAR BRAKE CHAMBERS MTD FORWARD SIDE OF AXLE
REAR BRAKE DUST SHIELDS
SYNTHETIC FLUID 75W-90
MINIMUM 26,000# REAR SPRING SUSPENSION W/ HELPER SPRING AND RADIUS
ROD**

BRAKE SYSTEM

**FULL AIR W/ WABCO SYTEM SAVER AIR DRYER
DV-2 AUTO DRAIN VALVE WITH HEATER COMBINED WITH PULL CABLES
ALUMINUM AIR BRAKE RESERVOIRS
RELAY VALVE W/ 5-8 PSI CRACK PRESURE
WABCO 4S/4M ABS SYSTEM W/ TRACTION CONTROL ADDED
TWO VALVE PARKING BRAKE W/ AUTONEUTRAL**

FRAME

**150" WB W/ 84" CA (ESTIMATED TO ACCOMIDATE DUMP BODY)
7/16X3-9/16X11-1/8 STEEL FRAME W/ (120KSI YIELD STRENGTH) SECTION
MODULUS MINIMUM 31 IN PER RAIL - RBM 3,715,000 PER RAIL
63" REAR FRAME OVERHANG
24" INTEGRAL FRONT FRAME EXTENSION (NO BOLT ON)
14" STEEL POWDER COATED FRONT BUMPER
FRONT TOW HOOKS & REAR TOW HOOKS**

**SEVERE DUTY LIGHT WEIGHT ALUMINUM ENGINE CROSS MEMBER
ELECTRIC & AIR LINES ON FRAME MUST HAVE FABRIC WRAP (NO
CORRUGATED PLASTIC)**

**FACTORY INSTALLED SMARTTIRE TIRE PRESSURE MONITORING SYSTEM W/
DASH READ OUT AND WHEEL RIM MOUNTED SENSORS, ALL AXLES
FRONT TOW HOOKS FRAME MOUNTED**

FUEL TANKS

**70 GALLON ALUMINUM LH MTD (NO STEEL TANKS ACCEPTED)
POLISHED STEPS MOUNTED TO FUEL TANKS
25" DIAMETER TANKS**

DAVCO 245 FUEL WATER SEPERATOR W/ HEATED BOWL AND WATER SENSOR

FRONT TIRES

**385/65R 22.5 18 PLY MICHELIN XZY-3 W/ 22.5X12.25 ALCOA LVL ONE
ALUMINUM DISC WHEEL, POLISHED**

REAR TIRES

**11R22.5 14 PLY MICHELIN X WORKS D W/ 22.5X8.25 W/ ALCOA ULTRA
ALUMINUM WHEEL, POLISHED**

CAB

108" FLAT ROOF ALUMINUM CAB (NO STEEL CABS ACCEPTED)

**ALUMINUM DOORS (NO STEEL DOORS ACCEPTED) WITH OSHA SAFETY
YELLOW GRAB HANDLES LOCATED ON INSIDE DOOR JAM COMBINED WITH
FULL LENGTH EXTERIOR GRAB HANDLES WITH RUBBER INSERTS FOR
SAFETY, ALUMINUM KICK PLATE INTERIOR DOOR PANELS (NO ACCEPTIONS)**

ADDITIONAL ARCTIC INSULATION PACKAGE ON CAB

4 KEYS

8 EXTRA PROGRAMABLE SWITCHES

MANUAL REMOTE ENGINE START/STOP W/ ENGINE REMOTE INTERFACE

SINGLE BAG AIR CAB MOUNTS (NO DUAL BAG)

ONE PIECE FIBERGLASS HOOD WITH GAS STRUTS (NO ACCEPTIONS)

MEASURED VIEWABLE WINDSHIELD GLASS MINIMUM 2,197 SQ.IN.

WIPER COVERAGE 1,427 SQ.IN. MINIMUM

DOOR WINDOW GLASS 1,144 SQ.IN. MINIMUM

QUICKFIT LIGHTING CONNECTOR UNDER CAB W/ CAP

QUICKFIT PROGRAMABLE SELENIOD W/ RETENTION BEHIND CAB

4 EXTRA HARDWIRED SWITCHES – MOMENTARY WITH 20 AMPS WIRED

IGNITION IN DASH W/ WIRES RUN TO EOF AND CAPPED

INTERFACE CONNECTOR FOR TRANSMISSION HARNESS

MINIMUM 21 INCHES OF INTERIOR BELLY ROOM IN CAB

NONREMOVABLE BUG SCREEN BEHIND GRILLE
LH & RH GRAB HANDLES BOTH INTERIOR & EXTERIOR MOUNTED W/ RUBBER SAFETY COATING
DUAL 26" RECTANGULAR AIR HORNS ROOF MTD & DUAL ELECTRIC HORN LED MARKER LIGHTS
SWITCH AND INDICATOR LIGHT FOR CUSTOMER FURNISHED BEACONS
CAB BLOW OUT KIT HOSE & NOZLE DRIVER SIDE
POLISHED DIAMOND PLATE PROTECTION COVER OVER AFTER TREATMENT SYSTEM
CENTER STORAGE COMPARTMENT ON REAR WALL INSIDE CAB
DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS W/ 8" CONVEX MIRRORS UNDER PRIMARY MIRRORS AND ADDITIONAL LH&RH FENDER MTD SS TRI POD MIRRORS
LH & RH OPERATING WING WINDOWS
COMPOSIT EXTERIOR SUN VISOR
BOLT ON MOLDED FLEXIBLE FENDER EXTENSIONS
BRIGHT FINISH RADIATOR SHELL W/ BRIGHT FINISH AIR INTAKE
RH&LH ELECTRIC POWER WINDOWS & DOOR LOCKS
2" HOOD LINER INSULATION, 2" FIREWALL INSULATION, 2" FLOOR INSULATION
ASH TRAY & LIGHTER DASH MOUNTED W/ 2 CUP HOLDERS
MULTIPLEX WIRING SYSTEM ON CHASSIS WITH SMARTPLEX EXPANSION MODULE
HEATER, DEFROSTER AND AIR CONDITIONER W/ DENSO HEAVY DUTY A/C COMPRESSOR
MINIMUM 31 SQ.IN. DEFROST VENT COVERAGE ON WINDSHIELD W/ 72 SQ. IN. TOTAL CAB VENT COVERAGE
ADDITIONAL CAB INSULATION PACKAGE WITH EXTREME CLIMATE THERMAL CAB INSULATION
12 VOLT POWER SUPPLY IN DASH
DUAL USB-C OUTLETS
5LB FIRE EXT MOUNTED W/ ADDITIONAL FIRST AID KIT
RAM MOUNT ON OVERHEAD CONSOLE W POWER AND GROUND
(2) TMC RP 1226 ACCESSORY CONNECTORS (1) BEHIND DASH PANEL AND (1) OVERHEAD CONSOLE
HIGH BACK AIR RIDE DRIVER SEAT W/ 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TITL, ADJUSTABLE SHOCK, HEATING ELEMENT- HIGH BACK AIR RIDE PASSENGER SEAT W/ 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TITL, ADJUSTABLE SHOCK, HEATING ELEMENT + INCLUDES CORDURA RIP STOP COVERS & DUAL ARM REST BOTH SEATS
STEEL SNOW SHIELD MOUNTED OVER FRESH AIR INTAKE
FIRE EXTINGUISHER AND SAFETY TRIANGLE KIT
ENGINE REMOTE INTERFACE WITH PRE-SET SPEED
QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB

TILT AND TELESCOPIC STEERING COLUMN
FACTORY MOUNTED PTO CONTROL ON DASH
FULL GAUGE PACKAGE W/ ODOMETER,TRIP,HOUR,VOLTAGE,DIAGNOSTIC
DISLPAY
TINTED OPERATING TIP OUT WING WINDOWS ON BOTHE DOORS
2 INCH TRANSMISSION TEMPERATURE GAUGE
TWO ON OFF ROCKER SWITCHES W/ WIRE ROUTED TO BOC LABELED
OPTIONAL
AM/FM/WB RADIO WITH AUXILIARY INPUT DASH MOUNTED W/ ROOF
OVERHEAD CONSOLE CB PROVISION
HEAVY DUTY MULTIPLEX WIRING SYSTEM MANUFACTURED IN CHASSIS
SWITCH, WIRING AND CONNECTOR FOR CUSTOMER FURNISHED PLOW
LIGHTS
STANDARD DUCTING W/ SNOW SHIELD ON FRESH AIR INTAKE
PRE-FLIGHT DOT WALK AROUND LIGHT TEST (SWITCH ON DASH)
QUICKFIT PROGRAMABLE INTERFACE MODULE W/ (4) 20 AMP FUSED RELAYS
CAB COLOR:NEON GREEN ELITE (00904922EY) W/ BLCK FRAME
TWO YEAR TOWING COVERAGE ON TRUCK

CENTRAL HYDRAULICS

P-330 PUMP TO BE CRANKSHAFT DRIVEN OFF OF FEPTO ENGINE
ADAPTOR
RESERVOIR 40 GALLON MINIMUM MADE OF 7 GAUGE PICKLED &
OIL STEEL
CONTAINERIZED SYSTEM TO HOUSE ALL VALVING
RESERVOIR TO HAVE STRAINER ON THE SUCTION SIDE & FILTER ON RETURN
DVA35 CONTROL VALVE FOR PLOW UP/DOWN PLOW LEFT/RIGHT HOIST
UP/DOWN
CONTROLS TO BE FELDSTEDT CABLES
PREMIUM ALUMINUM CUSTOM CONTROL TOWER WITH BACKLIT LEGENDS
FOR ALL FUNCTIONS
POC-3C MANIFOLD
489 SPREADER CONTROL VALVE
ALL HOSES, ENDS, FITTINGS & TUBING TO BE JIC (NO PIPE THREAD)
DICKEY JOHN CONTROL POINT SYSTEM TO COORDINATE & CONTROL SALT
APPLICATIONS AT VARIOUS SPEEDS

SNOW PLOW SPECIFICATIONS

FLINT FSP-10PA38 PLOW
10' BLADE WIDTH
38" BLADE HEIGHT
8' 2" PLOWING WIDTH AT 30 DEGREE ANGLE
10 GAUGE MOLDBOARD POWDER COATED

**6 VERTICAL RIBS 1/2 X 3"
92" PUSH TABLE
116" OUTSIDE HINGE CENTERS
REPLACEABLE CUTTING EDGE
CURB GUARDS
ADJUSTIBLE CAST SKID SHOES
CANNON TRIP SPRING
GUIDE RODS ON MOLDBOARD
RUBBER SNOW DEFLECTOR ON TOP OF MOLDBOARD
LED HEATED SNOW PLOW LIGHTS INSTALLED ON ALUMINUM BRACKETS
MOUNTED ON HOOD OF VEHICLE
HITCH BUMPER TO FRAME MOUNT
10" STRUCTURAL CHANNEL BUMPER
TURN TABLE TO BE POWER REVERSE
TWO DOUBLE ACTING CYLINDERS
HITCH TO BE Q LOOP DROP PIN STYLE
LIFT CYLINDER TO BE SINGLE ACTING
COUNTERBALANCE VALVE TO HOLD ANGLING CYLINDERS**

OTHER FEATURES

**SPRING LOADED SWIVEL MOUNT PINTLE HOOK RATED AT 50,000 LBS LOADED TRAILER & 6000 LBS VERTICAL LOAD. TWO 1" SAFETY D RINGS. 1/2" FABRICATED CROSSMEMBER WITH REINFORCEMENTS
FRONT STEEL MUDFLAPS WITH 4" RUBBER EDGE. REAR CHEVRON RUBBER FLAPS
LIGHTING SYSTEM FOR UNIT TO BE WHELEN INCRSY1. NO EXCEPTIONS
ELECTRIC TARP SYSTEM WITH ALUMINUM ARMS, AXLE & AIR FOIL. 3 YEAR WARRANTY ON MOTOR. VINYL TARPAULIN
102 DB BACKUP ALARM
UPFITTER BE AVAILABLE 24/7 DURING SNOW EMERGENCIES**

**SWENSON APB SELECT RD SS ALL PURPOSE BODY SPECIFICATIONS
THIS COMBINATION DUMP BODY/MATERIAL SPREADER UNIT SHALL CONSIST OF A HOPPER, DUAL DISCHARGE/ FEED AUGERS, SPINNER DISC, POWER DRIVE & ALL COMPONENTS NECESSARY TO MAKE A COMPLETE OPERATING UNIT
THIS UNIT SHALL BE FACTORY READY TO ACCEPT SERVO CONTROLS
DUMP BODY SHALL BE CAPABLE OF BEING USED FOR HAULING & DUMPING ALL SOLID MATERIALS NORMALLY CARRIED BY S STANDARD DUMP BODY
DUMP BODY SHALL ALSO BE CAPABLE OF CONVEYING ALL MATERIALS NORMALLY USED FOR ICE AND SNOW CONTROL OPERATIONS, TO REAR OF BODY**

THERE SHALL BE AN ADJUSTABLE COAL CHUTE STYLE GATE AT THE REAR OF BODY & CENTERED OVER REAR END OF CONVEYOR FOR DISCHARGE OF THESE MATERIALS

THERE SHALL BE A HITCH MOUNTED SPINNER INSTALLED AT REAR OF BODY FOR SPREADING ICE & SNOW MATERIALS

HYDRAULIC MORORS OPERATED BY A TRUCK MOUNTED HYDRAULIC SYSTEM SHALL DRIVE THE CONVAYOR AND SPINNER

**ALL STAINLESS STEEL USED IN THE PRODUCTION OF THIS UNIT SHALL BECORROSION RESISTENT, NON MAGNETIC STAINLESS STEEL
INSIDE BODY LENGTH SHALL BE 120" FROM HEADSHEET TO THE TAILGATE
SIDE HAIGHT MUST BE 34" TALL, MEASURED FROM CHASSIS RAIL
BODY SHALL BE 84" INSIDE WIDTH/ 96" OUTSIDE WIDTH**

LONGITUDINALS SHALL BE 1/4" STAINLESS STEEL FORMED CHANNEL MEMBERS WITH 12 1/2" OVERALL SECTION HEIGHT , SPACED 34" APART, AND FOR SIMPLICITY OF DESIGN ALSO SERVE AS CONVEYOR SIDE MEMBERS

INNER CROSS SUPPORTS SHALL BE DOUBLED ON 12" CENTERS BETWEEN LONGITUDINALS

UPPER SUPPORTS SHALL BE 7 GAUGE X 2 1/4" X 3" ANGLE FORMED STAINLESS STEEL FOR ADDED STRENGTH

LOWER CROSS SUPPORTS SHALL BE 7 GAUGE X 2 1/4" X 3" "J" FORMED STAINLESS STEEL FOR ADDED STRENGTH

BODY SHALL INCORPORATE A ONE PIECE SIDE/FLOOR DESIGN WITH A 1" RADIOUS

SIDE SHALL BE CONSTRUCTED OF 7 GAUGE STAINLESS STEEL

FLOOR SHALL BE CONTRUCTED OF 1/4" AR450

STRAIGHT SIDES WITH FORMED DIRT SHEDDING HORIZONTAL BRACING FOR ADDED STRENGTH

SIDES SHALL INCORPORATE A FULLY BOXED TOP RAIL

ALL INSIDE AND OUTSIDE JOINTS ON UPPER BODY ARE CONTINUOUS WELDED FOR MAXIMUM STRENGTH

INTEGRAL FENDERS SHALL BE CONTINUOUSLY WELDED AND POSITIONED OVER THE WHEELS

HEADSHEET SHALL BE 46" TALL MEASURED FROM THE FLOOR UP

HEADSHEET SHALL BE 7 GAUGE FORMED STAINLESS STEEL WITH DOGHOUSE EXTENDING INTO BODY A MAXIMUM OF 9 3/8" WITH A MAXIMUM WIDTH OF 14 3/8" FOR MINIMUM CAPACITY LOSS

LOWER END OF DOGHOUSE SHALL BE DESIGNED FOR EASY ACCESS TO HOIST MOUNTING HARDWARE FROM OUTSIDE OF STRUCTURE

SIDEBOARD POCKETS SHALL BE CONSTRUCTED OF 7 GAUGE STAINLESS STEEL AND 2 1/2" WIDE

REAR CORNER POST SHALL BE 7 GAUGE FORMED STAINLESS STEEL, SIZE 5 3/4" X 12" INTEGRALLY WELDED TO 7 GAUGE X 12" HIGH FLANGE FORMED REAR APRON

TAILGATE MUST BE 6 PANEL AND 44" TALL

THE TAILGATE PANEL SHALL BE 7 GAUGE STAINLESS STEEL WITH FULLY BOXED OUTER EDGES OF FORMED STAINLESS STEEL

HORIZONTAL SUPPORT MEMBERS WILL SLOPE OUTWARD TO ELIMINATE DEBRIS BUILD UP

UPPER HINGE LEGS SHALL BE 1" THICK CARBON STEEL FOR INCREASED UPPER HINGE PIN WEAR SURFACES. RECESSED MOUNTED FOR PROTECTION UPPER HINGE PINS ARE 1 1/4" DIAMETER MEDIUM CARBON STEEL HEAT TREATED TO RC 35 (MINIMUM) FOR INCREASED STRENGTH AND WEAR RESISTANCE

LOWER LATCH PINS SHALL BE 1 1/4" DIAMETER AND REST IN DOUBLE 3/8" THICK STAINLESS STEEL SEATS BACKED BY 1/4" THICK STAINLESS STEEL PLATES WELDED TO CORNER POSTS. A TOTAL THICKNESS OF 7/16" STEEL SUPPORT

SPREADER CHAIN SHALL BE 3/8" STAINLESS STEEL PROOF COIL ON ALL BODIES

TAILGATE SHALL BE DOUBLE ACTING

REAR OF DUMP BODY SHALL HAVE A PINNED-IN SLIDING COAL CHUTE STYLE FEEDGATE. OINSSHALL BE OUTSIDE OF TAILGATE FOR TROUBLE FREE SERVICE

FEEDGATE HEIGHT SHALL BE ADJUSTABLE BY MEANS OF SPRING LOADED PIN AND IN INCREMENTS OF APPROXIMATELY 1 1/2" TO A FULL OPEN HEIGHT OF 7". FEEDGATE OPENING WIDTH SHALL BE 30 3/8" MINIMUM

FEEDGATE HOUSING SHALL BE SECURED IN TAILGATE WITH QUANTITY (4) 3/4" DIAMETER PINS HAVING A 90 DEGREE BENT HANDLE

PINS SHALL BE SPRING LOADED SO THEY WILL RETAIN FEEDGATE HOUSING WITHOUT BACKING OUT. PINS SHALL ALSO BE CAPABLE OF BEING INDEPENDENTLY HELD OPEN DURING FEEDGATE HOUSING INSTALLATION OR REMOVAL

A PLATE SHALL BE FURNISHED TO FILL THE OPENING IN THE TAILGATE WHEN THE FEEDGATE HOUSING IS REMOVED. THIS FILL PLATE SHALL BE INSTALLED UTILIZING SAME PINS AS FEEDGATE HOUSING

A 12" SUB CONVEYOR COVER PLATE SHALL BE FURNISHED AND USED IN CONJUNCTION WITH THE TAILGATE FILL PLATE

THIS COVER PLATE SHALL HAVE THE CAPABILITY OF BEING BOLTED AT REAR OF LONGITUDINALS AND BELOW REAR EDGE OF FLOOR TO CLOSE THE OPENING BETWEEN THE END OF THE CONVEYOR CHAIN AND THE INSIDE SURFACE OF THE TAILGATE. BOLTS USED THROUGH THE BODY FLOOR, CAUSING AN OBSTRUCTION ARE UNACCEPTABLE

THE CONVEYOR SHALL BE 34" OUTSIDE WIDTH CENTERED IN THE BODY FLOOR AND EXTENDS FULL LENGTH OF BODY FRONT TO REAR

TOP SURFACE OF CONVEYOR CHAIN IS 2 1/2" BELOW TOP SURFACE OF BODY FLOOR

THE FRONT AND REAR CONVEYOR SHAFTS SHALL BE 2" DIAMETER WITH FORGED 8 TOOTH SPROCKETS MADE OF AISI 1045 MEDIUM CARBON STEEL FRONT AND REAR ENDS OF LONGITUDINALS SHALL BE FULLY SLOTTED FOR EASY REMOVAL OF FRONT AND REAR CONVEYOR SHAFTS

THERE SHALL BE FOUR (4) 2" DIAMETER BORE LUBRICATED BE FLANGE MOUNTED BALL BEARING UNITS.

FRONT CONVEYOR SHAFT BEARINGS SHALL BE HELD IN PLACE WITH BOLTS SCREWED INTO 304 STAINLESS STEEL NUTS FOR EASE OF REMOVAL. THESE NUTS SHALL BE WELDED TO THE BEARING MOUNTING BRACKETS SO THEY CANNOT TURN.

PINTLE CHAIN SHALL HAVE AVERAGE ULTIMATE STRENGTH OF 29,700 LBS. PER STRAND, LIGHTER STRENGTH CHAIN IS UNACCEPTABLE

CHAIN FLITE BARS SHALL BE 1/2" X 1 1/2" FLAT STEEL BARS PLACED AT EVERY OTHER LINK, 4.5" CENTERS. EACH CROSS BAR SHALL BE FORMED UP AT EACH END IN ORDER TO BE WELDED ON TOP AND BOTTOM TO THE SIDE LINK. THE RESULTING RECESSED WELD ON BOTTOM WILL ALLOW FOR A FLUSH CHAIN BOTTOM SURFACE TO SLIDE ON CONVEYOR FLOOR .

SLACK IN CHAIN SHALL BE ADJUSTED WITH (2) 1" DIAMETER THREADED TAKE-UP RODS WITH A MINIMUM OF 4" TRAVEL.

THE REMOVABLE CONVEYOR FLOOR SHALL BE 7 GA STAINLESS STEEL WITH 7 GA STAINLESS STEEL ROLL-OVER NOSE PIECES.

THE CONVEYOR SHALL BE DRIVEN BY A TORQUE-ARM MOUNTED 6:1 SPUR DRIVE GEARBOX WITH SENSOR MOUNTED DIRECTLY TO THE CONVEYOR DRIVE SHAFT.

SPUR GEARBOX WILL BE POWERED BY A LOW SPEED HIGH TORQUE HYDRUALIC MOTOR.

THE CONVEYOR SHALL FEED MATERIAL REARWARD THROUGH A METERING SYSTEM FOR ICE AND SNOW CONTROL, OR DIRECTLY OFF THE REAR OF CONVEYOR FOR BULK MATERIAL UNLOADING.

TO REDUCE MATERIAL FROM FALLING ON TRUCK CHASSIS PARTS, ADJUSTABLE EXTERNAL AND INTERNAL WIPERS SHALL BE INSTALLED AT REAR OF CONVEYOR TO REMOVE MATERIAL FROM TOP AND BOTTOM AOF CONVEYOR FLITE BARS. WIPER MATERIAL SHALL BE HI-TEMPERATURE (350 DEGREES) 3PLY BELTING.

TO FURTHER REDUCE MATERIAL FROM FALLING ON CHASSIS PARTS, A REMOVEABLE MATERIAL CATCH PLATE SHALL BE INSTALLED BETWEEN BOTTOM OF CONVEYOR CHAIN AND TOP SURFACE OF LOWER CONVEYOR SUPPORTS.

REAR SPINNER:

SPINNER ASSEMBLY SHALL BE HITCH MOUNTED

SPINNER SHALL REMAIN IN PLACE WITH BODY RAISED, SPINNER TO REMAIN LEVEL.

SPINNER FRAME AND MOUNTING COMPONENTS SHALL BE MANUFACTURED OF STAINLESS STEEL.

TO ELIMINATE CORROSION, TO REDUCE MATERIAL STICKING TO VANES, TO REDUCE POWER REQUIRED TO OPERATE, AND FOR EASIER STORAGE UNDER TRUCK CHASSIS, SPINNER DISC SHALL BE 18" IN DIAMETER AND MANUFACTURED FROM POLURETHANE.

THE SPINNER SHALL HAVE "FORMED VANES" INTEGRALLY MOLDED ONTO THE SPINNER DISC FOR ENHANCED SPREAD PATTERN.

THE SPINNER ASSEMBLY SHALL HAVE 6" OF VERTICAL ADJUSTMENT AND EIGHT PINNED POSITIONS FOR ACCURATE SPREAD PATTERN CONTROL.

SPINNER SHALL BE CAPABLE OF BEING PIVOTED UNDER BODY FOR STORAGE, UNDER MATERIAL DROP ZONE FOR SPREADING, OR COMPLETELY REARWARD FOR UNOBSTRUCTED FEEDGATE DUMPING.

THE SPINNER SHALL HAVE A SPREAD PATTERN OF 4' TO 40'

HOIST:

HOIST SHALL BE DOUBLE ACTING

THE LOWER TRUNION PINS OF TELESCOPIC CYLINDER SHALL MOUNT INTO A HEAVY DUTY LIFT FRAME WITH CAPABILITY TO ADJUST VERTICAL POSITION OF CYLINDER BETWEEN CAB AND BODY.

UPPER TRUNION PINS SHALL MOUNT INTO A HEAVY DUTY LIFT STRUCTURE CONSISTING OF 1 1/4" LIFT PLATES WELDED TO FRONT BOX BEAM. LIFT STRUCTURE SHALL ALLOW ACCESS TO CONVEYOR CHAIN FOR INSTALLATION OR REMOVAL.

TELESCOPIC CYLINDER SPECIFICATIONS:

WARRANTY SHALL BE FOR A MINIMUM OF TWO YEARS. ALL TUBING USED IN THE MANUFACTURE OF THIS CYLINDER SHALL BE HONED D.O.M. TUBING AND MUST HAVE THE CORRESPONDING MILL SPEC SHEET FROM THE RUNNER WHICH IT WAS PRODUCED.

FOR SIMPLICITY AND LONGEVITY THERE SHALL BE NO BRASS, OR PHENOLIC WEAR PARTS IN THE CYLINDER. THE CYLINDER SHALL BE U-CUP TYPE, POSITIONED IN THE GLAND NUT AS A ROD SEAL TO WIPE AGAINST THE END OF THE TUBE PASSING THROUGH IT. AS THE CYLINDER RETRACTS, FOREIGN MATERIALS WILL BE REMOVED BY MEANS OF A WIPER ALSO LOCATED IN THE GLAND NUT, AND THE TUBE WILL BE SURROUNDED BY OIL BELOW THE SEAL. AN OUTER COVER SHALL ENCLOSE THE CYLINDER WHEN NOT IN USE. THROUGH MEANS OF AN OSCILLATING COLLAR NEAR THE BOTTOM OF THE COVER, THE BODY CAN BE OFFSET 5 TO 7 DEGREES FROM SIDE TO SIDE WITHOUT SIDE LOADING THE CYLINDER. THE TRUNION PINS ON THE OSCILLATING COLLAR WILL PROVIDE THE MEANS FOR LIFTING THE BODY AT THE BOTTOM, WHICH WILL INCREASE STABILITY. THE CYLINDER SHALL MOUNT WITH THE LARGEST SECTION AT THE BOTTOM.

CAB SHIELD:

SHALL BE CONSTRUCTED OF 10 GAUGE STAINLESS STEEL THROUGHOUT. SHALL EXTEND FORWARD OF BODY 24"

SHALL BE 84" WIDE SO END PLATES ON CAB SHIELD ALIGN WITH FRONT EDGES OF BODY SIDES FROM MAXIMUM SUPPORT AS END GUSSETS TIE END PLATES TO FRONT EDGES OF BODY SIDES.

FORWARD EDGE SHALL BE "C" FORMED WITH 3 1/4" SECTION HEIGHT. SHIELD PAN SHALL SLOPE 2 DEGREES FOR SHEDDING WATER, AND SHALL BE DOUBLE RIBBED UNDERNEATH FOR ADDED PAN STIFFNESS.

ONE FRONT FACING LIGHT HOLDER ON LEFT AND RIGHT SIDE OF CAB SHIELD

ONE LIGHT HOLE ON LEFT AND RIGHT SIDE OF CAB SHIELD

ONE REAR FACING LIGHT HOLE ON LEFT AND RIGHT SIDE OF CAB SHIELD

CONVEYOR COVER:

SHALL BE HEAVY DUTY 7 GAUGE STAINLESS STEEL PLATE WITH STAINLESS STEEL FORMED ANGLE SUPPORTS SPACED EVERY 12" FULL LENGTH ON BOTTOM OF PLATE.

SHALL BOLT AT THE REAR OF LONGITUDINALS AND BELOW REAR EDGE OF FLOOR, BOLTS THROUGH BODY FLOOR CAUSING OBSTRUCTIONS, ARE UNACCEPTABLE.

TOP GRATE SCREED:

THE MAIN CENTER SUPPORT SHALL BE CONSTRUCTED OF 6" X 9.0 LBS. / FT. STRUCTURAL I-BEAM.

SCREENS SHALL BE CONSTRUCTED OF 1/4" X 1 1/2" STEEL BARS POSITIONED ON EDGE OF 2 1/2" GIVING A GRID WORK WITH 2 1/2" OPENINGS.

UPPER HINGE EDGE AND SIDES OF SCREENS SHALL BE FRAMED WITH 1/4" X 2" STEEL BAR POSITIONED ON EDGE.

LOWER EDGE OF SCREENS SHALL BE FRAMED WITH 3/8" X 2" STEEL BAR ON EDGE.

GRATE SCREENS AND LIFT-IN/LIFT-OUT FRAME SHALL BE REMOVABLE FROM BODY WITH SINGLE CENTER LIFT POINT.

THE FRAME SHALL BE 3/8" X 4" X 4" STRUCTURAL STEEL ANGLE AT SIDES AND 6" X 8.2 LBS./FT. STEEL C-CHANNEL AT ENDS.