EDGE MANUFACTURING, INC.

FRONT END LOADER

BODY AND PACKER DESIGN

THE OCTAGONAL BODY DESIGN WITH HYDRAULIC BUBBLE TYPE REAR DOOR PROVIDES ADDITIONAL BODY STRENGTH AND EASY UNLOADING. THE PACKING MECHANISM FEATURES A LOW 48" PACKER BLADE WITH FULL FOLLOWER PLATE TO PREVENT REFUSE FROM SPILLING BEHIND BLADE. THE LOW PACKER BLADE IS DRIVEN BY TWO 6 ½" BORE CRISS CROSS MOUNTED CYLINDERS FOR MAXIMUM COMPACTION.

BODY AND PACKER BLADE SPECIFICATIONS

BODY CONSTRUCTION:

BODY POSTS AND ROOF CARLINS – 1/8" X 4" X 2" FORMED STEEL SET ON MAXIMUM 26" CENTERS
LOWER SIDES – 10 GAUGE HIGH TENSILE STEEL
UPPER SIDES – 10 GAUGE HIGH TENSILE STEEL
ROOF – 122 GAUGE HIGH TENSILE STEEL
FLOOR – ¼" T-1 "AR" STEEL
LONGITUDINAL – 6" X 2" X 3/16" STEEL TUBING
CROSS MEMBERS – 1/8" X 4" X 2" FORMED STEEL

HOPPER CONSTRUCTION:

LOWER SIDES – 3/16" HIGH TENSILE STEEL
UPPER SIDES – 12 GAUGE HIGH TENSILE STEEL
HORIZONTAL BRACES – 2" X 2" SQUARE TUBING

HYDRAULIC REAR DOOR:

HYDRAULIC ACTUATED SINGLE REAR STEEL CONVEX DOOR LINDED WITH PLYWOOD
DOOR SHEETS – 14 GAUGE HIGH TENSILE STEEL
HORIZONTAL BRACES – 2" X 2" SQUARE TUBING

HYDRAULIC HOPPER COVER:

HYDRAULIC ACTUATED SLIDING COVER WITH WARNING LIGHT OPERATING IN DEPENDENT OF LOADER ARMS AND PACKER

1880 Delilah Street, Corona, CA 92879 • Tel: 909.273.9992 • Fax: 909.273.0151 • edgemanufacturing.com

PACKER BLADE:

PUSH TYPE "A" FRAME WITH CONCAVE FACE
CONSTRUCTION WITH SKIDS TO SLIDE IN FULL LENGTH
GUIDES ON BODY FLOOR (CHROMIUM STEEL ON SKIDS)

PACKER:

PACKER FACE PLATE – ¼" MILD STEEL
PACKER SIDES – 3/8" MILD STEEL
PACKER LENGTH – 30"
PACKER WIDTH – 80"
PACKER HEIGHT – 48"
PACKER GUIDES – 6" X 15.3# CHANNEL FULL LENGTH OF BODY

PACKER FOLLOWER:

ATTACHED TO TOP OF PACKER BLADE TO PREVENT REFUSE
FROM COLLECTING IN FRONT AREA OF BODY
FOLLOWER FRAME – 2" X 2" SQUARE TUBING
FOLLOWER COVER – 10 GAUGE HIGH TENSILE STEEL

CAB CANOPY:

COMPLETELY COVERS CAB ROOF
SIDES AND TOP – 14 GAUGE MILD STEEL

LADDER:

RIGHT SIDE OF BODY TO PROVIDE ACCESS TO BODY ROOF

FRONT LOAD MECHANISM DESIGN

THE LOADER ARMS ARE DESIGNED TO TRAVEL OVER THE CAB WITH A COMPLETE CYCLE TIME OF 14 – 18 SECONDS. THE LOAD MECHANISM IS CAPABLE OF DUMPING 1 – 8 CUBIC YARD CONTAINERS. THE ARM CYLINDERS ARE FULL TYPE MOUNTED ON THE ARMS. THE LOADER ASSEMBLY INCLUDES STANDARD SIDE FORKS WITH DOCK CAPABILITY.

FRONT LOAD MECHANISM SPECIFICATIONS

LOADER ARMS:

8,000 # CAPACITY, RECTANGULAR TUBING WITH FLAT BAR
STRAPS AND REINFORCEMENT GUSSETS AT CORNERS
TUBING – 8" X 2" X ¼" WALL 50,000 PSI TENSILE STRENGTH
STRAPS – ¾" X 2" FLAT BAR
GUSSETS – 3/8" PLATE

ARM CROSS SHAFT:

COLD DRAWN SEAMLESS TUBING, BOLTED ON TUBING – 4 ½" O.D. X ½" 80,000 PSI
MOUNTING – WALL MOUNTED ON FRONT OF BODY

ARM CROSS SHAFT BEARINGS:

2 FULL AND 1 HALF BRONZE BUSHINGS AND INTERNALLY GROUND POLISHED AND GROOVED FOR LUBRICATION
FULL BUSHING – 6" O.D. X 4 ½" I.D. 6" LONG
HALF BUSHING – 6" O.D. X 4 ½" I.D. 3" LONG

DECELERATION VALVE:

TO ALLOW FOR MAXIMUM OPERATING SPEED WITHOUT DRIVE CORRECTION

FORKS:

STANDARD SIDE POCKETS FORKS
SIDE FORKS – 6" HIGH X 1 ¼" WIDE X 51" LONG

FORK CROSS SHAFT:

COLD DRAWN SEAMLESS TUBING
TUBING – 3 ½" O.D. X ½" THICK WALL 80,000 PSI

FORK CROSS SHAFT BEARINGS:

2 BRONZE BUSHINGS, INTERNALLY GROUND POLISHED GROOVED FOR LUBRICATION
BUSHING SIZE – 4 ½" O.D. X 3 ½" I.D. X 2 ½" LONG

CONTAINER STOPS:

RUBBER PADS MOUNTED INSIDE FORKS AT CROSS SHAFT

HYDRAULIC SYSTEM AND COMPONENTS

RESERVOIR:

60 GALLON CAPACITY WITH BREATHER CAP, SHUT OFF VALVE AND TANK DRAIN PLUG. A 20 MICRON RETURN LINE FILTER CARTRIDGE WITH A 20 PSI CHECK VALVE. VERTICAL BAFFLES, 150 MICRON REUSABLE SUCTION FILTER.

HOSES AND FITTINGS:

HEAVY DUTY DOUBLE WIRE BRAIDED AEROQUIP SAE HOSE WITH JIC FITTINGS AND SEAMLESS STEEL TUBING

CONTROL VALVE:

COMMERCIAL INTERTECH (SHEARING) A – 35 WITH BUILT IN RELIEF VALVE

POWER SOURCE:

FRONT PUMP OR P.T.O. (MUNCIE OR COMMERCIAL)

PACKER/EJECTOR CYLINDERS:

2 – THREE STAGE TELESCOPIC, DOUBLE ACTING, ALL STAGES CHROME
FIRST STAGE (PACKING) – 6 ½" BORE
SECOND STAGE (EJECTION) – 5" BORE
THIRD STAGE (EJECTION) – 3 ½" BORE
STROKE – 162 ¾"

ARM CYLINDERS:

2 – SINGLE STAGE , DOUBLE ACTING
BORE – 3"
STROKE – 48 3/8"
ROD – 2" CHROME

FORK CYLINDERS:

2 – SINGLE STAGE, DOUBLE ACTING
BORE – 3"
STROKE – 21"
ROD – 1/14" CHROME

REAR DOOR CYLINDERS:

2 – SINGLE STAGE, DOUBLE ACTING
BORE – 2 ½"
STROKE – 35"
ROD – 1 ¼" CHROME

HOPPER COVER CYLINDERS:

1 SINGLE STAGE, DOUBLE ACTING
BORE – 3"
STROKE – 93"
ROD – 1 ¼" CHROME

HYDRAULIC OIL:

ANIT-WEAR, CORROSION, OXIDATION AND FOAM INHIBITORS
ISO VISCOSITY GRADE – 46
API GRAVITY – 31
VISCOSITY – 220 @100 DEGREES FAHRENHEIT
FLASH POINT – 430 DEGREES FAHRENHEIT

HYDRAULIC CONTROLS:

LEVER OPERATED CABLE CONTROLS MOUNTED IN CAB TO THE RIGHT AND FORWARD OF OPERATOR AND OUTSIDE ON THE FRONT LEFT SIDE OF BODY
ELECTRIC/AIR AUTO-PACK CONTROLS FOR PACKER BLADE

MISCELLANEOUS

LIGHTS:

STANDARD I.C.C. LIGHTS AND REFLECTORS CONFORMING TO CALIFORNIA STATE VEHICLE CODE. "TRUCK-LITE" TAIL, STOP, BACK UP AND DIRECTIONAL LIGHTS ARE MOUNTED IN THE REAR DOOR.

PAINT:

ONE COAT PRIMER AND ONE COAT POLYURETHANE PAINT

CLEAN OUT DOORS:

TWO DOORS AT FRONT OF BODY (10" X 31")

MANUALS:

ONE OPERATION AND MAINTENANCE MANUAL PER UNIT

OPTIONS

AIR CONTROLS:

AIR CONTROL VALVES FOR INSIDE AND OUTSIDE CONTROLS IN PLACE OF LEVER OPERATED CABLE CONTROLS (WILLIAMS WITH FEATHERING ABILITY)

HYDRAULIC ADJUSTABLE FORKS:

HYDRAULIC ACTUATED SIDE, BOTTOM OR COMBINATION FORKS ADJUSTABLE FROM 35" CLOSED TO 75" OPEN

MID BODY TURN SIGNALS:

DIRECTIONAL LIGHTS MOUNTED AT MID-POINT OF BODY

DECELERATION VAVLE DOWN:

TO ALLOW FOR MAXIMUM OPERATING SPEEDS ON DOWN STROKE WITHOUT OPERATOR CORRECTION.

BODY SIZE VARIATIONS:

BODY CAN BE MADE 30 – 42 CUBIC YARDS (INCLUDING HOPPER)

SIGN FRAMES:

MADE TO CUSTOMER SPECIFICATIONS

COMPOSITE MATERIAL:

LIGHT WEIGHT COMPOSITE MATERIAL FENDERS

ESTIMATED BODY WEIGHT:

NOTE: OPTIONS MAY AFFECT TOTAL BODY WEIGHT
15,800 POUNDS – LIGHTER BODIES AVAILABLE WITH MATERIAL MODIFICATIONS

MINIMUM STEEL SPECIFICATIONS

MILD STEEL:

TENSILE STRENGTH – 56,000 PSI
TENSILE YIELD – 36,000 PSI

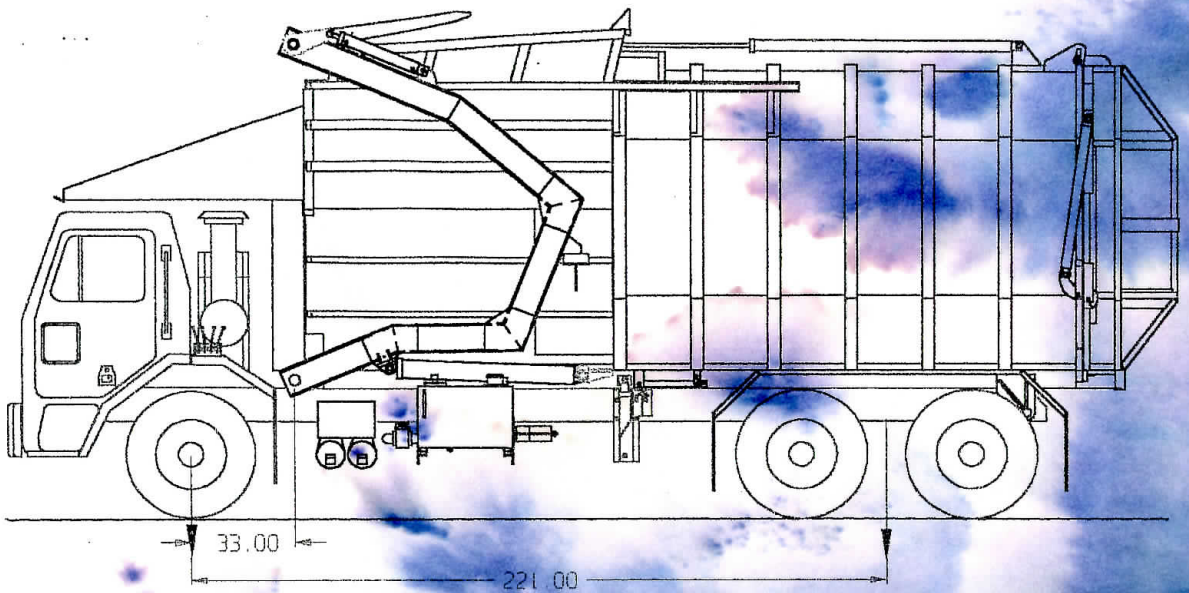
HIGH TENSILE STEEL:

TENSILE STRENGTH – 80,000 PSI
TENSILE YIELD – 55,000 PSI

T-1 "AR" STEEL:

TENSILE STRENGTH – 150,000 PSI
TENSILE YIELD – 100,000 PSI
BRINELL –363

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



	FRONT	REAR	TOTAL
CHASSIS	9,337	4,863	14,200
BODY	6,419	9,381	15,800
PAYLOAD	1,621	20,379	22,000
GROSS	17,377 Lb	34,623 Lb	52,000 Lb

MATERIAL		EDGE MANUFACTURING Inc.			
APPROVALS	DATE	F.Loader WEIGH			
DRAWN Bosois	08-21-09				
CHECKED		SIZE B	CAGE NO.	DWG NO PETE-09	REV.
APPROVED		SCALE 1 / 40		SHEET 1 / 1	
ISSUED					