

**SECTION 4
BID SUBMITTAL FORM**

Submit Bid To:
CLERK OF THE BOARD
Stephen P. Clark Center
111 NW 1st Street
17th Floor, Suite 202
Miami, Florida 33128-1983

OPENING: 2:00 P.M.
Wednesday
January 9, 2013



**PLEASE QUOTE PRICES F.O.B. DESTINATION, FREIGHT ALLOWED, LESS TAXES,
DELIVERED IN MIAMI-DADE COUNTY, FLORIDA.**

NOTE: Miami-Dade County is exempt from all taxes (Federal, State, Local). Bid price should be less all taxes. Tax Exemption Certificate furnished upon request.

Issued by: ISD/PM Date Issued: This Bid Submittal Consists of
Lourdes **12/18/2012** **Pages 19 through 24**
Betancourt

Sealed bids subject to the Terms and Conditions of this Invitation to Bid and the accompanying Bid Submittal. Such other contract provisions, specifications, drawings or other data as are attached or incorporated by reference in the Bid Submittal, will be received at the office of the Clerk of the Board at the address shown above until the above stated time and date, and at that time, publicly opened for furnishing the supplies or services described in the accompanying Bid Submittal Requirement.

Title:
Tilt Frame Roll Off Trucks

A Bid Deposit in the amount of **N/A** the total amount of the bid shall accompany all bids.

A Performance Bond in the amount of **N/A** the total amount of the bid will be required upon execution of the contract by the successful bidder and Miami-Dade County.

DO NOT WRITE IN THIS SPACE	
ACCEPTED _____	HIGHER THAN LOW _____
NON-RESPONSIVE _____	NON-RESPONSIBLE _____
DATE B.C.C. _____	NO BID _____
ITEM NOS. ACCEPTED _____	
COMMODITY CODE: 070-51	
Procurement Contracting Officer: Lourdes Betancourt	

Palmetto Ford Truck Sales, Inc
FIRM NAME _____

RETURN ONE ORIGINAL AND TWO COPIES OF BID SUBMITTAL PAGES AND AFFIDAVITS.

FAILURE TO SIGN THE BID SUBMITTAL FORM IN SECTION 4 WILL RENDER YOUR BID NON-RESPONSIVE.

SECTION 4
 BID SUBMITTAL FOR:

FIRM NAME: Palmetto Ford Truck Sales, Inc

TRUCK A:

Description	Estimated Quantity	Price Per Truck
TRUCK A. CABLE HOIST Purchase of Model Year 2013 Tilt Frame Roll Off Truck	3 Trucks	\$ 206,754.35
Delivery: <u>270</u> days after receipt of order (not to exceed 270 days)		

	CHECKLIST	Check as Completed
1.	Attach truck manufacturer, fabricator, or approved dealer documentation per Section 2.6.1.	(✓)
2.	Local Service Facility in Miami-Dade or Broward County per Section 2.6.2. Name of Facility: <u>Palmetto Ford Truck Sales, Inc</u> Address: <u>7245 NW 36th St</u> City: <u>Miami</u>	(✓)
3.	Attach license in accordance with Chapter 320 of the Florida Statutes, SS320.27 per Section 2.6.3.	(✓)
4.	Attach Dimensional Drawing Chart showing the dimensions of the projected build as well as weight charts showing the weight distribution of the vehicle both loaded and unloaded and wall to wall and curb to curb turning circle charts for the truck proposed using a standard manufacturer's front bumper.	(✓)
5.	Is skid plate available directly from truck's manufacturer?	Circle one: Yes or No
6.	If skid plate is not available directly from the truck's manufacturer, the Bidder shall provide details and drawings of the proposed local installation (see Section 3.7).	()
7.	When an equal product is bid, the Bidder shall furnish the factory information sheets (specifications, brochures, etc.) that show the product meets or exceeds the required specifications. Manufacturer's standard information sheets, catalogues, brochures and all supporting documentation submitted must show the product meets or exceeds the required specifications. Bids that are submitted with standard product literature which offer technical data or product descriptions indicating the item or product bid does not meet the required specifications must be accompanied by a letter, on the Bidder's company stationary, identifying those differences and describing how compliance with the required specifications is to be accomplished.	()

SECTION 4
 BID SUBMITTAL FOR:

FIRM NAME: Palmetto Ford Truck Sales, Inc

TRUCK B:

Description	Estimated Quantity	Price Per Truck
TRUCK B. HOOK ARM LIFT Purchase of Model Year 2013 Tilt Frame Roll Off Truck	9 Trucks	\$ <u>221,688.91</u>
Delivery: <u>270</u> days after receipt of order (not to exceed 270 days)		

	CHECKLIST	Check as Completed
1.	Attach truck manufacturer, fabricator, or approved dealer documentation per Section 2.6.1.	(✓)
2.	Local Service Facility in Miami-Dade or Broward County per Section 2.6.2. Name of Facility: <u>Palmetto Ford Truck Sales, Inc.</u> Address: <u>7245 NW 36th St</u> City: <u>Miami</u>	(✓)
3.	Attach license in accordance with Chapter 320 of the Florida Statutes, SS320.27 per Section 2.6.3.	(✓)
4.	Attach Dimensional Drawing Chart showing the dimensions of the projected build as well as weight charts showing the weight distribution of the vehicle both loaded and unloaded and wall to wall and curb to curb turning circle charts for the truck proposed using a standard manufacturer's front bumper.	(✓)
5.	Is skid plate available directly from truck's manufacturer?	Circle one: (Yes) or No
6.	If skid plate is not available directly from the truck's manufacturer, the Bidder shall provide details and drawings of the proposed local installation (see Section 3.7).	()
7.	When an equal product is bid, the Bidder shall furnish the factory information sheets (specifications, brochures, etc.) that show the product meets or exceeds the required specifications. Manufacturer's standard information sheets, catalogues, brochures and all supporting documentation submitted must show the product meets or exceeds the required specifications. Bids that are submitted with standard product literature which offer technical data or product descriptions indicating the item or product bid does not meet the required specifications must be accompanied by a letter, on the Bidder's company stationery, identifying those differences and describing how compliance with the required specifications is to be accomplished.	()

SECTION 4
BID SUBMITTAL FOR:
Tilt Frame Roll Off Trucks

ACKNOWLEDGEMENT OF ADDENDA

INSTRUCTIONS: COMPLETE PART I OR PART II, WHICHEVER APPLIES

PART I:

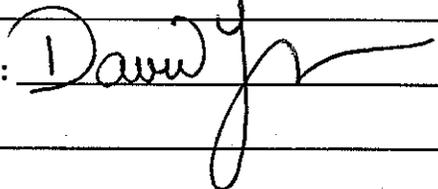
LIST BELOW THE DATES OF ISSUE FOR EACH ADDENDUM RECEIVED IN CONNECTION WITH THIS BID

- Addendum #1, Dated January 9, 2013
- Addendum #2, Dated No Date - rec 1/7/13
- Addendum #3, Dated No Date - rec 1/10/13
- Addendum #4, Dated No Date -Extends Open Date to 1/30/13
- Addendum #5, Dated January 24, 2013
- Addendum #6, Dated _____
- Addendum #7, Dated _____
- Addendum #8, Dated _____

PART II:

NO ADDENDUM WAS RECEIVED IN CONNECTION WITH THIS BID

FIRM NAME: Palmetto Ford Truck Sales, Inc.

AUTHORIZED SIGNATURE: 

DATE: 1/25/2013

TITLE OF OFFICER: VP



Bid Title: Tilt Frame Roll Off Trucks

By signing this Bid Submittal Form the Bidder certifies that it satisfies all legal requirements (as an entity) to do business with the County, including all Conflict of Interest and Code of Ethics provisions in Section 2-11 of the Miami-Dade County Code. Any County employee or member of his or her immediate family seeking to contract with the County shall seek a conflict of interest opinion from the Miami-Dade County Ethics Commission prior to submittal of a Bid response or application of any type to contract with the County by the employee or his or her immediate family and file a copy of that request for opinion and any opinion or waiver from the Board of County Commissioners with the Clerk of the Board. The affected employee shall file with the Clerk of the Board a statement in a form satisfactory to the Clerk disclosing the employee's interest or the interest of his or her immediate family in the proposed contract and the nature of the intended contract at the same time as or before submitting a Bid, response, or application of any type to contract with the County. Also a copy of the request for a conflict of interest opinion from the Ethics Commission and any corresponding opinion, or any waiver issued by the Board of County Commissioners, must be submitted with the response to the solicitation.

In accordance with Sec. 2-11.1(s) of the County Code as amended, prior to conducting any lobbying regarding this solicitation, the Bidder must file the appropriate form with the Clerk of the Board stating that a particular lobbyist is authorized to represent the Bidder. Failure to file the appropriate form in relation to each solicitation may be considered as evidence that the Bidder is not a responsible contractor.

The Bidder confirms that this Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Bid for the same goods and/or services and in all respects is without collusion, and that the Bidder will accept any resultant award. Further, the undersigned acknowledges that award of a contract is contingent upon vendor registration. Failure to register as a vendor within the specified time may result in your firm not being considered for award.

Pursuant to Miami-Dade County Ordinance 94-34, any individual, corporation, partnership, joint venture or other legal entity having an officer, director, or executive who has been convicted of a felony during the past ten (10) years shall disclose this information at the time of bid or proposal submission.

Place a check mark here only if bidder has such conviction to disclose.

By executing this proposal through a duly authorized representative, the proposer certifies that the proposer is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, as those terms are used and defined in sections 287.135 and 215.473 of the Florida Statutes. In the event that the proposer is unable to provide such certification but still seeks to be considered for award of this solicitation, the proposer shall execute the proposal through a duly authorized representative and shall also initial this space: DFY. In such event, the proposer shall furnish together with its proposal a duly executed written explanation of the facts supporting any exception to the requirement for certification that it claims under Section 287.135 of the Florida Statutes. The proposer agrees to cooperate fully with the County in any investigation undertaken by the County to determine whether the claimed exception would be applicable. The County shall have the right to terminate any contract resulting from this solicitation for default if the proposer is found to have submitted a false certification or to have been placed on the Scrutinized Companies for Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

LOCAL PREFERENCE CERTIFICATION: For the purpose of this certification, a "local business" is a business located within the limits of Miami-Dade County (or Broward County in accordance with the Interlocal Agreement between the two counties) that conforms with the provisions of Section 1.10 of the General Terms and Conditions of this solicitation and contributes to the economic development of the community in a verifiable and measurable way. This may include, but not be limited to, the retention and expansion of employment opportunities and the support and increase to the County's tax base.

Place a check mark here only if affirming bidder meets requirements for Local Preference. Failure to complete this certification at this time (by checking the box above) may render the vendor ineligible for Local Preference.

LOCALLY-HEADQUARTERED BUSINESS CERTIFICATION: For the purpose of this certification, a "locally-headquartered business" is a Local Business whose "principal place of business" is in Miami-Dade County, as defined in Section 1.10 of the General Terms and Conditions of this solicitation.

Place a check mark here only if affirming bidder meets requirements for the Locally-Headquartered Preference (LHP). Failure to complete this certification at this time (by checking the box above) may render the vendor ineligible for the LHP. The address of the locally-headquartered office is 7245 NW 36th St, Miami, FL 33166.



LOCAL CERTIFIED SERVICE-DISABLED VETERAN BUSINESS ENTERPRISE CERTIFICATION: A Local Certified Service-Disabled Veteran Business Enterprise is a firm that is (a) a local business pursuant to Section 2-8.5 of the Code of Miami-Dade County and (b) prior to bid submission is certified by the State of Florida Department of Management Services as a service-disabled veteran business enterprise pursuant to Section 295.187 of the Florida Statutes.

Place a check mark here only if affirming bidder is a Local Certified Service-Disabled Veteran Business Enterprise. A copy of the certification must be submitted with this proposal.

COUNTY USER ACCESS PROGRAM (UAP): Joint purchase and entity revenue sharing program

For the County's information, the bidder is requested to indicate, at 'A' and 'B' below, its general interest in participating in the Joint Purchase Program of the County User Access Program (UAP) described in Section 2.21 of this contract solicitation, if that section is present in this solicitation document. Bidder participation in the Joint Purchase portion of the UAP is voluntary, and the bidder's expression of general interest at 'A' and 'B' below is for the County's information only and shall not be binding on the bidder.

A. If awarded this County contract, would you be interest in participating in the Joint Purchase portion of the UAP with respect to other governmental, quasi-governmental or not-for-profit entities located within the geographical boundaries of Miami-Dade County?

Yes [checked] No

B. If awarded this County contract, would you be interested in participating in the Joint Purchase portion of the UAP with respect to other governmental, quasi-governmental or not-for-profit entities located outside the geographical boundaries of Miami-Dade County?

Yes [checked] No

Firm Name: Palmetto Ford Truck Sales, Inc

Street Address: 7245 NW 36th St, Miami FL 33166

Mailing Address (if different):

Telephone No.: (305) 470-1331 Fax No.: (305) 470-1399

Email Address: david@palmettotruck.com FEIN No. 65-07-365-64

Prompt Payment Terms: 0% 0 days net 0 days (Please see paragraph 1.2 H of General Terms and Conditions)

Signature: [Signature] (Signature of authorized agent)

*"By signing this document the bidder agrees to all Terms and Conditions of this Solicitation and the resulting Contract."

Print Name: David Yglesias Title: Vice President

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED ABOVE BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE PROPOSAL NON-RESPONSIVE. THE COUNTY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE PROPOSER TO THE TERMS OF ITS OFFER.



APPENDIX

AFFIDAVITS FORMAL BIDS



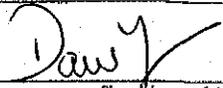
Miami-Dade County
Internal Services Department
Procurement Management Division
Affirmation of Vendor Affidavits

In accordance with Ordinance 07-143 amending Section 2-8.1 of the Code of Miami-Dade County, effective June 1, 2008, vendors are required to complete a new Vendor Registration Package, including a Uniform Affidavit Packet (Vendor Affidavits Form), before being awarded a new contract. The undersigned affirms that the Vendor Affidavits Form submitted with the Vendor Registration Package is current, complete and accurate for each affidavit listed below.

Contract No.: 9719-0/18 Federal Employer Identification Number (FEIN): 65-07-365-64
Contract Title: Tilt Roll Off Trucks

Affidavits and Legislation/ Governing Body

1. Miami-Dade County Ownership Disclosure Sec. 2-8.1 of the County Code	6. Miami-Dade County Vendor Obligation to County Section 2-8.1 of the County Code
2. Miami-Dade County Employment Disclosure County Ordinance No. 90-133, amending Section 2-8-1(d)(2) of the County Code	7. Miami-Dade County Code of Business Ethics Article 1, Section 2-8.1(f) and 2-11(b)(1) of the County Code through (g) and (9) of the County Code and County Ordinance No 00-1 amending Section 2-11.1(c) of the County Code
3. Miami-Dade County Employment Drug-free Workplace Certification Section 2-8.1.2(b) of the County Code	8. Miami-Dade County Family Leave Article V of Chapter 11 of the County Code
4. Miami-Dade County Disability Non-Discrimination Article 1, Section 2-8.1.5 Resolution R162-00 amending R-385-95	9. Miami-Dade County Living Wage Section 2-8.9 of the County Code
5. Miami-Dade County Debarment Disclosure Section 10.38 of the County Code	10. Miami-Dade County Domestic Leave and Reporting Article 8, Section 11A-60 11A-67 of the County Code

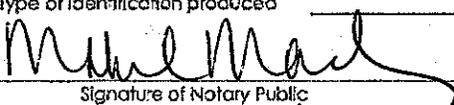
David Yglesias Vice President 
 Printed Name of Affiant Printed Title of Affiant Signature of Affiant
 Palmetto Ford Truck Sales, Inc January 25, 2013
 Name of Firm Date
 7245 NW 36th St, Miami FL 33166
 Address of Firm State Zip Code

Notary Public Information

Notary Public - State of FLORIDA County of MIAMI DADE

Subscribed and sworn to (or affirmed) before me this 25 day of Jan 20 13

by _____ He or she is personally known to me or has produced identification

Type of Identification produced _____

 Signature of Notary Public

 MABEL MACHIN
 NOTARY PUBLIC
 STATE OF FLORIDA
 Comm# DD0935112 Expires 10/21/2013
 Serial Number _____
 Print or Stamp of Notary Public Expiration Date Notary Public Seal

SUBCONTRACTOR/SUPPLIER LISTING

(Miami-Dade County Code Sections 2-8.1, 2-8.8 and 10-34)
 Paid to Public Works, Inc. Sales, Inc.

65-07-365-64

Firm Name of Prime Contractor/Respondent
 Project/Contract Number 9719-0/18

FEIN #

In accordance with Section 2-8.1, 2-8.8 and 10-34 of the Miami-Dade County Code, the Bidder must be authorized as a contractor or subcontractor for the project or service, including professional services which require registration in the State of Florida, and all other requirements set forth in the contract documents which require registration in the State of Florida or more. The Bidder must be authorized to perform the work to be performed or materials to be supplied, and the Bidder must be authorized to perform the work to be performed or materials to be supplied in the State of Florida. The Bidder must be authorized to perform the work to be performed or materials to be supplied in the State of Florida. The Bidder must be authorized to perform the work to be performed or materials to be supplied in the State of Florida.

In accordance with Chapter No. 11-02, an entity contracting with the County shall report the name, gender and whole title of the owner and contractor of all land for public use or development. In the event that the contractor is a partnership, the name, gender and whole title of each partner shall be reported. In the event that the contractor is a corporation, the name, gender and whole title of each officer or director shall be reported. In the event that the contractor is a sole proprietor, the name, gender and whole title of the proprietor shall be reported.

Business Name and Address of Prime Contractor/Respondent/ Subcontractor	Principal Owner	Scope of Work to be Performed by Subcontractor/ Subcontractor	Principal Owner		Subcontractor	
			Gender	Responsibility	Gender	Responsibility
Business Name and Address of Prime Contractor/Supplier	Principal Owner	Scope of Work to be Performed by Subcontractor/ Subcontractor	Gender	Responsibility	Gender	Responsibility
			M	F	M	F
			Gender	Responsibility	Gender	Responsibility
			M	F	M	F
			Gender	Responsibility	Gender	Responsibility
			M	F	M	F

I certify that the representations contained in this Subcontractor/Supplier Listing are to the best of my knowledge true and accurate.

Signature of Bidder/Respondent: David Yglesias Print Name
 Vice President Date: 1/25/2013
 Print Title

Exceptions

Section 3.3 B. Wheelbase

Galbreath is requiring a 234" wheelbase on the Hook Hoist due the Exhaust After Treatment adding 24" to the back of cab of newer trucks. Final WB can be decided at the Pre Construction Meeting and we will agree to modify wb at no additional cost to the County.

Section 3.9 Front Axle Capacity

The requirement of the front axle to have a minimum capacity of 18,000

The 315 tires are called for in the bid spec. These tires will meet this requirement federally but they will not meet Florida DOT ratings (see attached table). The 315 is only rated for a capacity of 15,730 pounds. Palmetto Ford Trucks Sales, Inc would recommend increasing the tire size to 385 in order to meet this requirement.

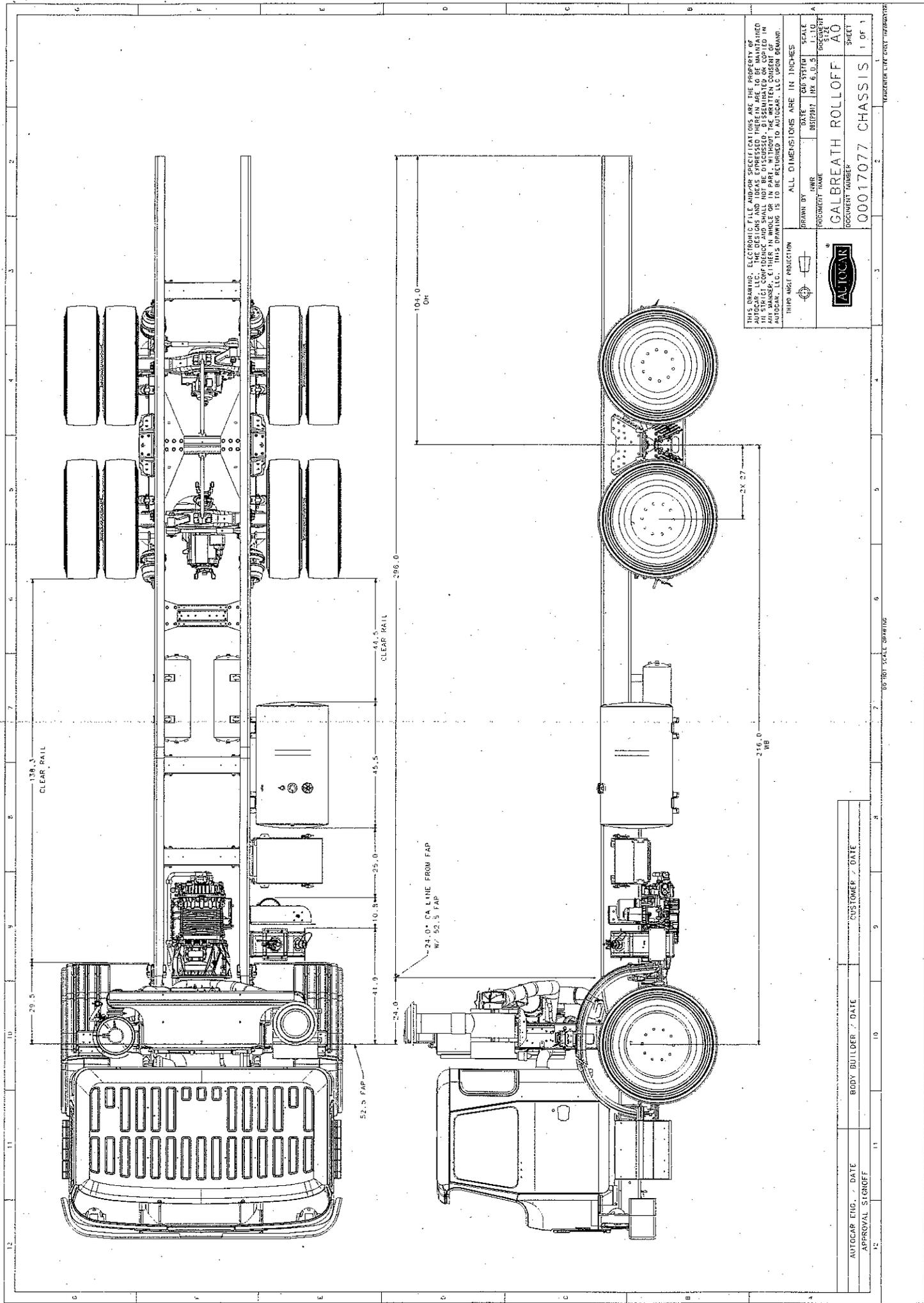
Please note: A frame mounted tool box is not called for in the bid spec, we can prove one for \$750 per tool box.

TABLE 3: MAXIMUM LEGAL WEIGHT FOR SINGLE-UNIT DUMP TRUCKS, CONCRETE MIXING TRUCKS, GARBAGE TRUCKS, AND FUEL OIL, GASOLINE TRUCKS, AND CONCRETE PUMPING TRUCKS BASED ON 605 POUNDS PER INCH OF TIRE WIDTH

Commercial motor vehicle weights are also limited by the gross vehicle weight declared on the power unit tag registration, and are subject to penalty if such declared weight is exceeded.

If Your Tire Width Is (tire size marking on the sidewall)	Total Weight for 2 Tires on 1 Axle is	Total Weight for 4 Tires on 1 Axle is
	[All Tolerances Included]	
Maximum is still 22,000 pounds, no exception.		
7.50	9,075	18,150
8.00	9,680	19,360
8.22.5	9,680	19,360
8.25	9,983	19,965
8.5	10,285	20,570
9.00	10,890	21,780
9.22.5	10,890	21,780
10.00	12,100	22,000
10.22.5	12,100	22,000
10.3-22.5	12,463	22,000
11.00	13,310	22,000
11.22.5	13,310	22,000
11.24.5	13,310	22,000
12.00	14,520	22,000
12.22.5	14,520	22,000
12.24.5	14,520	22,000
13.00	15,730	22,000
14.00	16,940	22,000
15.00	18,150	22,000
16.00	19,360	22,000
16.5	19,965	22,000
17.00	20,570	22,000
18.00	21,780	22,000
19.00	22,000	

Metric Tire Size	Nominal Width (in Inches) (For use in Total Weight chart at left)
215/75R17.5	8.5
225/70R19.5	9.0
245/70R19.5	10.0
235/80R22.5	9.0
255/70R22.5	10.0
255/80R22.5	10.0
275/80R22.5	11.0
295/80R22.5	12.0
315/80R22.5	13.0
385/65R22.5	15.0
425/65R22.5	16.5
445/65R22.5	18.0
275/80R24.5	11.0
445/50R22.5	18.0
455/55R22.5	18.0



THIS DRAWING, ELECTRONIC FILE AND/OR SPECIFICATIONS ARE THE PROPERTY OF AUTOCAR, LLC. THE DESIGNS AND IDEAS EXPRESSED THEREIN ARE TO BE MAINTAINED AS CONFIDENTIAL AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY MANNER, EITHER IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF AUTOCAR, LLC. THIS DRAWING IS TO BE RETURNED TO AUTOCAR, LLC UPON DEMAND.

ALL DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

DRAWN BY: HMR
 CHECKED BY: JLS
 DATE: 08/27/07
 PROJECT: 00017077

SCALE: 1:1
 SHEET: 1 OF 1

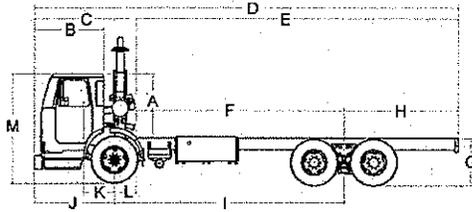
DOCUMENT: GALBREATH ROLLOFF
 SIZE: A0

AUTOCAR

AUTOCAR FIG. - DATE	CUSTOMER - DATE
APPROVAL SIGNOFF	

01/29/2013

Dimensions



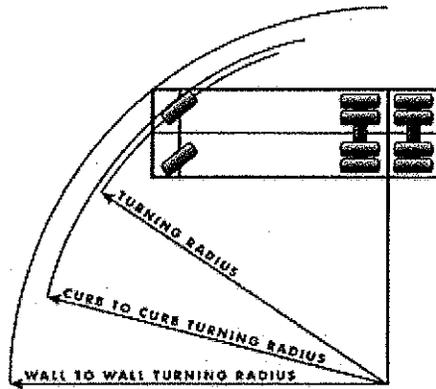
Dimension(in) Description

SPECIFICATION SUMMARY

Model	ACX64 Class 8
Engine	ISX12 '13 350HP / 2100RPM / 1450 LB-FT, CUMMINS
Transmission	ALLISON 4500 SERIES,6-SPEED
Rear Axle	MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	315/80R22.5L

01/29/2013

Turning Radius



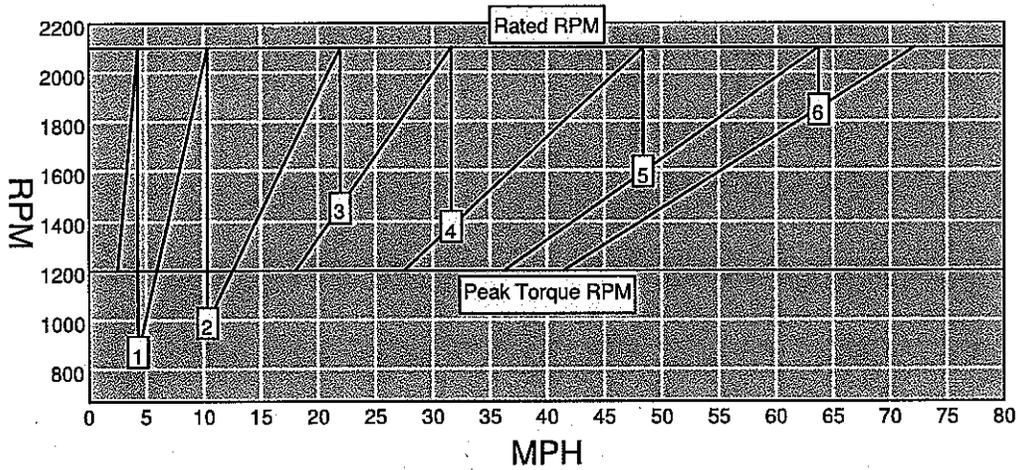
Dimension(in) Description

SPECIFICATION SUMMARY

Model	
Engine	ISX12 '13 350HP / 2100RPM / 1450 LB-FT, CUMMINS
Transmission	ALLISON 4500 SERIES,6-SPEED
Rear Axle	MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	315/80R22.5L

01/29/2013

Shift Chart



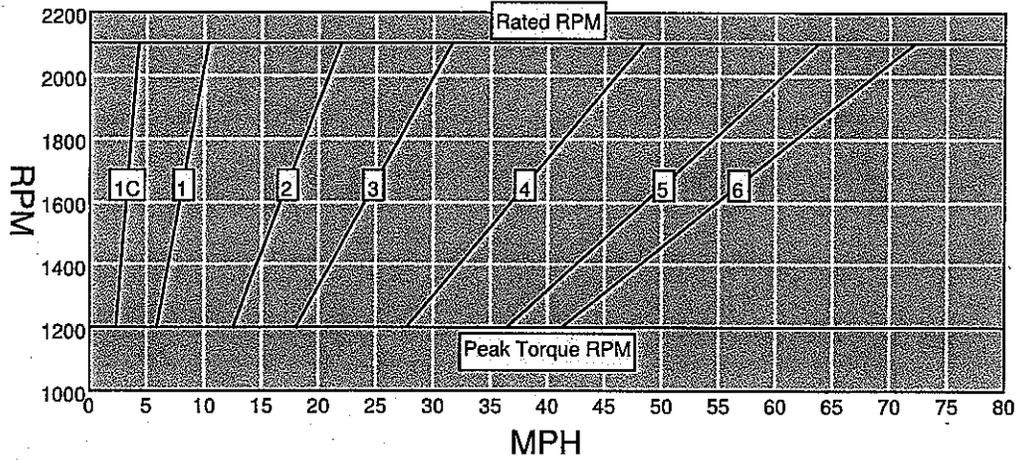
Gear	Trans. Ratio	Rear Axle Ratio	Overall Reduction	% Split	MPH	RPM After Shift
1C	11.37	5.38	61.2	0.0	4.3	0
1	4.70	5.38	25.3	141.9	10.3	868
2	2.21	5.38	11.9	112.7	21.9	987
3	1.53	5.38	8.2	44.4	31.6	1,453
4	1.00	5.38	5.4	53.0	48.4	1,372
5	0.76	5.38	4.1	31.6	63.7	1,596
6	0.67	5.38	3.6	13.4	72.2	1,851

SPECIFICATION SUMMARY

Model	ACX64 Class 8
Engine	ISX12 '13 350HP / 2100RPM / 1450 LB-FT, CUMMINS
Rated Power	350 HP @ 2100 RPM
Peak Torque	1450 LB-FT @ 1200
Transmission	ALLISON 4500 SERIES, 6-SPEED
Rear Axle	MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	315/80R22.5L
Tire Revolution	484

01/29/2013

Operating Range



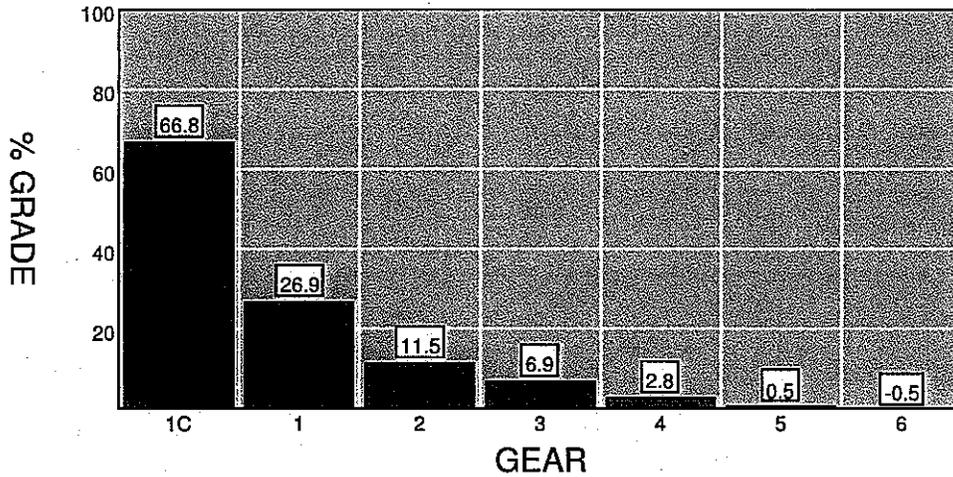
Gear	Trans. Ratio	Rear Axle Ratio	Minimum MPH	Maximum MPH
1C	11.37	5.38	2.4	4.3
1	4.70	5.38	5.9	10.3
2	2.21	5.38	12.5	21.9
3	1.53	5.38	18.1	31.6
4	1.00	5.38	27.7	48.4
5	0.76	5.38	36.4	63.7
6	0.67	5.38	41.3	72.2

SPECIFICATION SUMMARY

Model	ACX64 Class 8
Engine	ISX12 '13 350HP / 2100RPM / 1450 LB-FT, CUMMINS
Rated Power	350 HP @ 2100 RPM
Peak Torque	1450 LB-FT @ 1200
Transmission	ALLISON 4500 SERIES, 6-SPEED
Rear Axle	MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	315/80R22.5L
Tire Revolution	484

01/29/2013

Gradeability



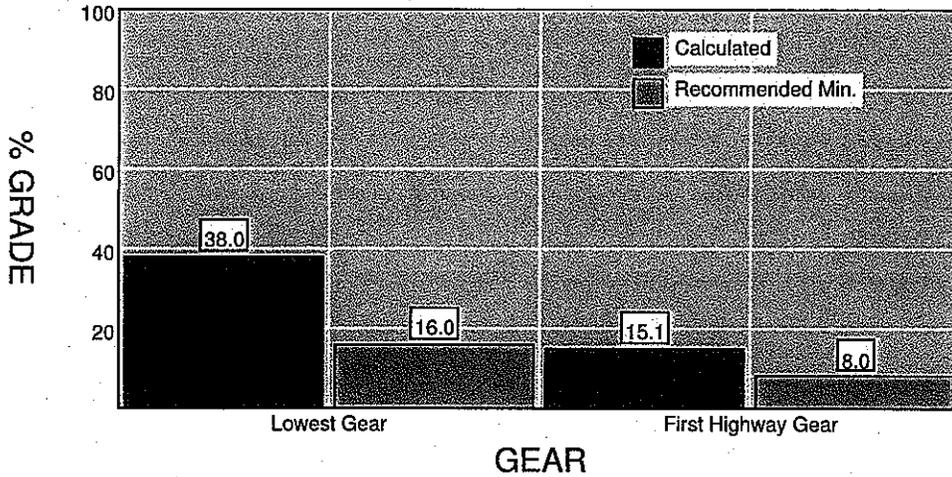
Gear	Trans. Ratio	Rear Axle Ratio	Overall Reduction	Peak Torque	Wheel HP	MPH	Maximum Grade%
1C	11.37	5.38	61.2	1,450.0	279.6	2.4	66.8
1	4.70	5.38	25.3	1,450.0	279.6	5.9	26.9
2	2.21	5.38	11.9	1,450.0	279.6	12.5	11.5
3	1.53	5.38	8.2	1,450.0	279.6	18.1	6.9
4	1.00	5.38	5.4	1,450.0	279.6	27.7	2.8
5	0.76	5.38	4.1	1,450.0	279.6	36.4	0.5
6	0.67	5.38	3.6	1,450.0	279.6	41.3	-0.5

SPECIFICATION SUMMARY

Model	ACX64 Class 8
Engine	ISX12 '13 350HP / 2100RPM / 1450 LB-FT, CUMMINS
Peak Torque	1450 LB-FT @ 1200
Transmission	ALLISON 4500 SERIES,6-SPEED
Rear Axle	MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	315/80R22.5L
Tire Revolution	484
GVW/GCV	64,000
Surface	Concrete

01/29/2013

Startability



Gear	Application	Recommended Minimum Grade %	Calculated Grade %
Lowest Gear	City	12.0	n/a
	On Highway	16.0	38.0
	On-Off Highway	18.0	n/a
	Off Highway	20.0	n/a
First Highway Gear	All Applications	8.0	15.1

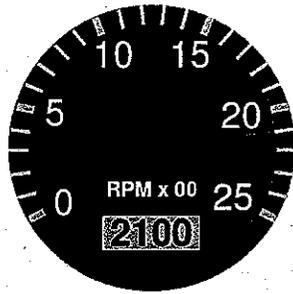
SPECIFICATION SUMMARY

Model	ACX64 Class 8
Engine	ISX12 '13 350HP / 2100RPM / 1450 LB-FT, CUMMINS
Clutch Torque	800 LB-FT 600 RPM
Transmission	ALLISON 4500 SERIES,6-SPEED
Rear Axle	MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	315/80R22.5L
Tire Radius	20
GVW/GCV	64,000
Surface	Concrete
Terrain	On Highway

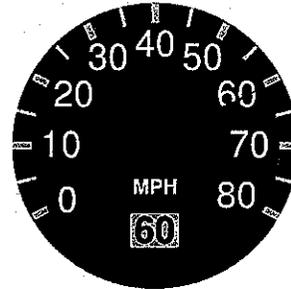
01/29/2013

Top Speed

Speed At Maximum RPM



RPM At 60MPH



	MPH	RPM
Top Speed	72.2	2,100
Cruise Speed	60.0	1,744
Minimum Of Engine Range	37.8	1,100
Maximum Of Engine Range	72.2	2,100
Minimum Of Economy Range	48.1	1,400
Maximum Of Economy Range	58.5	1,700

Prepared By DAVID YGLESIAS
Quote Id : QAQHLTBO

Prepared For LOURDES BETANCOURT
MIAMI DADE COUNTY

SPECIFICATION SUMMARY

Model	ACX64 Class 8
Engine	ISX12 '13 350HP / 2100RPM / 1450 LB-FT, CUMMINS
Transmission	ALLISON 4500 SERIES,6-SPEED
Rear Axle	MERITOR RT46-160 46,000 LB
Rear Axle Ratio	5.38
Rear Tire	315/80R22.5L
Tire Revolution	484

Vehicle Specification

		Description	Front Weight	Rear Weight	Price	
AUTOCAR TRUCKS						
S	5000001	CAB SHELL	SINGLE LEFT HAND DRIVE CAB	0	0	0
SOLUTION						
O	C01004	APPLICATION	REFUSE - TRANSFER STATION	0	0	0
O	C02006	BODY TYPE	ROLLOFF	0	0	0
O	C03001	TERRITORY	EAST COAST	0	0	0
O	C06930	BODY STYLE	GALBREATH ROLLOFF	0	0	0
O	C05999	BODY CAPACITY	UNDETERMINED OR N/A	0	0	0
O	D010180	FRONT GAWR	18000 LBS	0	0	0
O	D020449	REAR GAWR	44900 LBS (WHEEL/TIRE COMBO LIMITED)	0	0	0
A	D100629	GVWR	62900 LBS	0	0	0
ENGINE						
I	1010075	ENGINE ASSY	ISX12 '13 350HP / 2100RPM / 1450 LB-FT, CUMMINS	1,027	0	15,000
ENGINE EQUIP						
O	122002	PTO-ENGINE FRONT	ADAPTER FOR SPICER 1350	40	-9	590
O	4380013	FILTER-FUEL, CHASSIS MOUNTED	DAVCO 382 FILTER W/ 12V HEAT & H2O PROBE	5	1	285
O	P701500	PTO SET SWITCH	PTO SET SWITCH = 1500 RPM	0	0	0
TRANSMISSION						
O	2700028	TRANSMISSION	ALLISON 4500 SERIES,6- SPEED	324	59	12,150
O	300013	DRIVESHAFT-MAIN	SPICER 1810HD HALF ROUND	5	10	107
FRONT AXLE						
O	3700003	FRONT AXLE	MERITOR MFS-18 STEER AXLE, 18000# RATING	0	0	-100
O	7510001	BRAKES-FOUNDATION, FRONT AXLE	MERITOR FRONT 16.5X7" QP REFUSE BRAKE	29	0	50
REAR AXLE						
O	330444	REAR DRIVE AXLE-SINGLE & TANDEM	MERITOR RT46-160 46,000 LB	0	445	2,775
O	331538	REAR DRIVE AXLE RATIO	5.38	0	0	0

O	333014	REAR DRIVE AXLE ANTI-SPIN DEVICES	FOUR WHEEL LOCK	0	63	1,250
O	3500004	REAR SUSPENSION	HENDRICKSON HMX-460 SUSP @ 54" AS	0	0	715
O	359001	SHOCK ABSORBERS-REAR	4 SHOCK ABSORBERS HENDRICKSON SUSPENSION	0	31	202
O	7610001	BRAKES-FOUNDATION, REAR AXLE	ARVIN MERITOR 16.5X8.62" QP REFUSE BRAKE	0	42	250

CHASSIS

O	400216	WHEELBASE	216 INCHES	12	14	371
O	404002	FRAME REINFORCEMENT INNER	.25" LINER, STANDARD LENGTH	101	475	1,400
O	4680010	GUARD-OIL PAN	ENGINE OIL PAN GUARD - ALUMINUM	49	-6	200
O	8740001	WIRING, BODY INTERFACE	BODYBUILDER JUNCTION BOX @ BOC	6	0	74
O	892014	BACKUP ALARM	ECCO SMART ALARM SA917	0	1	155
O	430021	FUEL TANK-LEFT	100 GAL 26" DIA UNPAINTED ALUMINUM	6	3	115
O	8140003	BATTERY SHUT-OFF SWITCH	SHUTOFF W/ LOCKOUT & EMERGENCY JUMPER STUDS	5	2	124

CAB EXTERIOR

O	693002	UNDERCOAT	CAB CORROSION INHIBITOR	0	0	665
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CAB INTERIOR

O	5200003	SEAT-DRIVER	BOSTROM T905 MID-BACK, AIR RIDE	2	0	50
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CAB CLIMATE CONTROL

O	060001	CAB TEMPERATURE SYSTEM	AIR COND INTEGRAL WITH HEATER/DEFROSTER	138	-27	1,025
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GAUGES & INSTRUMENTATION

O	2250001	AIR INTAKE RESTRICTION INDICATOR	AIR INTAKE RESTRICTION GAUGE IN CAB	0	0	70
O	2880001	MONITORING - TRANSMISSION OIL TEMP	TRANS OIL TEMP GAUGE W/ LIGHT & BUZZ	0	0	48
O	3190001	PTO CONTROLS	PTO ELECTRIC CONTROL SWITCH	1	0	25
O	8040001	VOLTMETER/AMMETER	ELECTRONIC VOLTMETER	0	0	48

RADIO/MISC

O	5900006	RADIO	AM/FM RADIO, ROOF MOUNTED	13	-4	275
O	5910002	ANTENNA/POWER SUPPLY	ANTENNA - ROOF MOUNTED	0	0	0
O	596005	RADIO SPEAKERS	2 DUAL CONE SPEAKERS	0	0	0

O	962003	FIRE EXTINGUISHER	DRY TYPE ABC 5LB. CAP MTD. IN CAB	2	0	43
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FRONT TIRES / WHEELS

X	930466	TIRE SIZE & LOAD RANGE - FRONT	385/65R22.5J	0	0	0
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REAR TIRES / WHEELS

O	933469	TIRE SIZE & LOAD RANGE - REAR	315/80R22.5L	0	0	0
X	9340039	TIRE MANUFACTURER & TREAD - REAR	GOODYEAR G289 WHA	0	144	1,296

PAINT

O	9801002	CAB COLOR-FIRST	APPROVED == DPSS-N0007EX == STANDARD WHITE N0007	0	0	0
I	9880001	DISC WHEEL OR RIM COLOR	CUSTOM COLOR - SPECIFY (PRICE PER WHEEL)	0	0	1,700

ADDITIONAL OPTIONS

I	8990001	CHASSIS WARRANTY	2 YEAR EXT. WARRANTY - 150K MILES	0	0	3,000
O	899A006	TRANSMISSION WARRANTY	ALLISON 5YR. EDGE WARRANTY	0	0	450
A	969V002	ADDITIONAL PRICE ADJUSTMENT	TEMPORARY INFLATION ADJUSTMENT	0	0	1,400

OTHERS

A	8960001	EXTENDED COVERAGE- CAB	5 YEAR EXTENDED CAB CORROSION PROTECTION	0	0	1,000
O	9720005	CERTIFICATION- EMISSIONS	COMPLIES WITH 2013 U.S. EMISSIONS	0	0	0

DISTRIBUTOR OPTIONS

D	transplate	DISTRIBUTOR OPTION	SKID PLATE TRANSMISSION MOUNTED	0	0	650
D	PFT40	DISTRIBUTOR OPTION	PURADYN	0	0	850

SUB TOTALS

BASE WEIGHT/PRICE	10,293	6,139	158,515
FACTORY OPTION WEIGHT/PRICE	1,760	1,244	46,808
DISTRIBUTOR OPTION WEIGHT/PRICE	0	0	1,500

TOTALS

TOTAL PRICE (\$)			206,823
TOTAL WEIGHT (LB)	12,053	7,383	19,436

Prepared By DAVID YGLESIAS
Quote Id : QAQHLTBO

Prepared For LOURDES BETANCOURT
MIAMI DADE COUNTY

Weight Distribution

CABLE	HOOK
Chassis 19,435	19,435
Body <u>7,540</u>	<u>8,370</u>
Mounted:26,975	27,805
Front: 11,988	12,041
Rear: <u>14,987</u>	<u>15,764</u>
Total: 26,975	27,805
Chassis, body, operator, fuel, 29,000lb load.	
Total: 56,975	57,805
Front: 14,667	14,800
Rear: <u>42,308</u>	<u>43,005</u>
56,975	57,805

The above is using a 40 yard container loaded with average household type refuse.

LICENSE CERTIFICATE

STATE OF FLORIDA
DEPARTMENT OF HIGHWAY SAFETY AND
MOTOR VEHICLES
DIVISION OF MOTORIST SERVICES

PALMETTO FORD TRUCK SALES, INC.
7245 NW 36 ST
MIAMI, FL 33166

License

FOR A DEALER IN FRANCHISED
MOTOR VEHICLES

LICENSE NUMBER
VF/1002158/1

PRIMARY LOT

EFFECTIVE DATE
11/02/2012

EXPIRATION DATE
12/31/2013

THIS CERTIFIES, THAT

PALMETTO FORD TRUCK SALES, INC.
PALMETTO TRUCK CENTER

AT 7245 NW 36 ST
MIAMI, FL 33166

IS HEREBY LICENSED UNDER THE PROVISIONS OF SECTION

320.27, FLORIDA STATUTES TO CONDUCT AND CARRY ON BUSINESS AS
A DEALER IN FRANCHISED MOTOR VEHICLES AT THE ABOVE DESCRIBED
LOCATION

GIVEN UNDER MY HAND AND SEAL THE ABOVE DATE WRITTEN.

Ed Broyles

BUREAU CHIEF



Clyde B. Walden

DIRECTOR

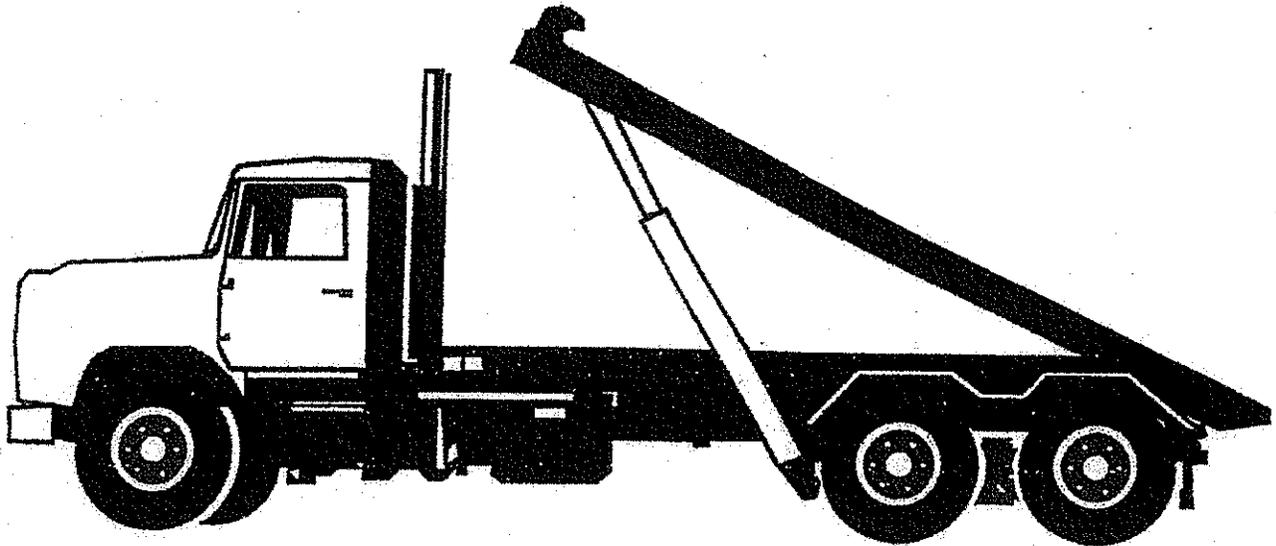
HSMV 84103 (REV. 2/11)S

STATE OF FLORIDA

VOID
IF
ALTERED

VOID
IF
ALTERED

CABLE
U5-OR-174



**STANDARD
BID SPECIFICATIONS
for**

Calbreath[®]
A WASTEQUIP COMPANY

**U5-OR-174
Tandem Axle Roll-Off Hoist**

60,000 lb. capacity Roll-Off Hoist

	YES/NO
BOX LENGTH: 22foot	<u>YES</u>
CAPACITY: 60,000 lbs.	<u>YES</u>
LIFT/RECEIVING CYLINDERS: Lift 6" X 72" D.A. Reeving 7" X 80" D.A.	<u>YES</u>
FRAME MATERIAL: 8" X 4" X 1/2" Rectangular Tubing ASTM A-500 Grade-C Tubing	<u>YES</u>
CABLE SHEAVES: 10" O.D. Bronzed-Bushed Sheave	<u>YES</u>
CABLE: 7/8" (6x37 EXIWRC)	<u>YES</u>
ROLLERS: 4" O.D. w/Bronze Bearing	<u>YES</u>
GREASE FITTINGS: At All Wear Points	<u>YES</u>
DUMP ANGLE: 45-50 degrees	<u>YES</u>
FRONT STOPS: 1- 1/2" Steel Plate	<u>YES</u>
REAR HINGE: 3" Solid Steel	<u>YES</u>
FRONT CONTAINER LOCK: Automatic Spring Loaded	<u>YES</u>
REAR HOLD DOWN: 1" Plate	<u>YES</u>
REAR GROUND ROLLER: 8" OD Hardened with 21/2" c-1045	<u>YES</u>
BUMPER: Folding	<u>YES</u>
HOIST UP ALARM: In Cab Buzzer	<u>YES</u>
BACK UP ALARM: 97 decibels	<u>YES</u>
HOIST UP TIME: 30 seconds	<u>YES</u>

OPERATING SPECIFICATIONS

COMPLY

	YES	NO
1. Manufacturers Rated Capacity: 60,000#	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. *Manufacturers Factory Tested Lifting and Pull-On Capacity: 60,000#	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Recommended container Lengths: 18-22 Ft.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Working Hydraulic Pressure: 1850 P.S.I.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Approximate Operating Times:		
Hoist Up = 30 seconds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hoist Down = 15 seconds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Container On = 46 seconds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Container Off = 37 seconds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Raised Dump Angle: 48°	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Lever Arm: 49"	<input checked="" type="checkbox"/>	<input type="checkbox"/>

***NOTE: Factory tested with a 22 ft. container on a hard level surface and a water level load in the container.**

STRUCTURAL SPECIFICATIONS

		COMPLY	
		YES	NO
1.	Main Frame: (2) 8" x 4" x 1/2" A500 Grade "C" Rectangular Tubing Main Rails Joined in Parallel By: - (2) 8" x 4" x 3/8" Rectangular Tubing Crossmembers - (1) 3/8" x 6" Plate Winch Cylinder Support - (1) 1/2" x 11-1/2" x 35" A36 Plate – Front Plate	X X X	— — —
2.	Sub Frame: (2) 3" x 2" x 205" x 3/16" A500 Grade "C" Rectangular Tubing Rails Joined in Parallel By: - (4) 3/8" x 6" A36 Plate Crossmembers - (1) Rear Pivot Plate Formed From 3/8" A36 Plate	X X	— —
3.	Lower Lift Cylinder Mounting Bracket: 3/8" A36 Plate with 1" HR Plate Bracket Welded on to Support the 2-1/2" Diameter 1018 CFRD Lower Lift Cylinder Shaft.	X	—
4.	Upper Lift Cylinder Mounting Bracket: 3/4" HR Anchor Plate Welded to the Main Frame and Bearing a 4" O.D. x 2-1/2" I.D. 1035 CFRD Tubing Collar and a 2-1/2" Diameter 1018 CFRD Shaft.	X	—
5.	Front Container Stops: 1-1/2" HR Plate Steel	X	—
6.	Front Container Safety Lock: 1" A36 Plate Steel Latch That is Pushed Up By a Tempered Spring When the Hoist is Completely Lowered.	X	—
7.	Rear Hold Down: 3/4" HR Plate Steel	X	—
8.	Winch Rail: Constructed of 4" Structural Channel. 3/8" & 1/2" Steel Plate: - Helps Tie Main Frame Rails Together, Acts as Guide for Winch Cylinder Rod Ends and Protects Winch Cylinder Rods When Extended.	X	—
9.	Rear Hinge Assembly: a). Four 1-1/4" HR Rear Hinge Plates Welded to the Hoist Sub-Frame b). Two 4-1/4" Wide Rear Hinge Castings Welded to the Hoist Main Frame c). Two 2-1/2" 1018 CFRD Pins	X X X	— — —
NOTE: The hinge assembly is fabricated with grease zerks to maintain a free floating in grease condition.			

STRUCTURAL SPECIFICATIONS - CONTINUED

		COMPLY	
		YES	NO
10.	Rear Ground Roller Assembly:		
	a). 6-5/8" Diameter x 23" Long Greasable Roller	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	b). 2" 1018 CFRD Roller Shaft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	c). Two 2" HR Plate Brackets for Roller Shaft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11.	Side Roller Assembly:		
	Five Per Side (4" O.D. x 2" I.D.) Outside.		
	a). Roller is a 4" O.D. x 2-1/2" I.D. 1026 CFRD Tubing with a 2-1/2" O.D. x 2" I.D. 660 Bronze Bushing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	b). The Roller Shaft is 2" 1018 CFRD Supported By a 1/2" x 3" x 5" HR Base Plate Welded to the Main Frame Rail. NOTE: The roller shaft is machined and equipped with a grease zerk to provide grease flow to two points on the shaft.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	c). The roller is secured on the shaft by a 10 Gauge Washer and a 3/8" x 3" Cotter Pin.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12.	Cable Sheave: Sheaves are a 10" Ductile Iron Casting (Tensile & Compression 50,000 to 60,000 P.S.I./Yield 45,000 P.S.I. min) with a 2-7/8" O.D. x 2-1/2" I.D. 660 Bronze Bearing. Total of 5 Sheaves.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	*Sheave groove should support the cable over 135 - 150 degrees of cable circumference.		
13.	Cable Sheave Shafts: 2-1/2" Diameter 1018 CFRD, Machined & Equipped with Grease Zerk to Provide Grease Flow to Sheaves.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14.	Cable Sheave Guides: 4" Structural Channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.	Winch Cylinder Rod Guards: 3/8" x 3" HR Flat Plate	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.	Oil Reservoir: 10 Gauge and 12 Gauge HR Sheet Steel Body Mounted to the Truck with two 1/4" HR Plate Brackets and two 2" Sch 80 Seamless Black Pipe.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

STRUCTURAL SPECIFICATIONS - CONTINUED

COMPLY

YES

NO

17. **ICC Bumper: Fabricated Design consisting of a 4" x 3" x 1/4" Rectangular Tubing welded to two 1" A36 Bumper Connecting Arms Hinged to a Fabricated Hinge Assembly consisting of two 1" A36 Hinge Plates per side with a Hinge Pin made from 1 1/2" CR 1018 material with Minimum of 64,000 PSI Tensile Strength and the bumper can be Folded Up to Bottom of Hoist Frame and Pinned in Place to allow for Towing Trailers (Bumper must also have Optional Linkage available to Automatically Fold Up the ICC Bumper.)**
18. **Bumper: 5" x 7 9/16" x 95 7/8" Fabricated Bumper that consists of 1/4" x 7 9/16" x 95 7/8" Formed Outer Steel Channel with 5" Legs and 12 Ga. x 7" x 95 5/8" Formed Inner Steel Channel with 3 1/2" Legs Engineered Specifically to Hold Clearance, Tail, Brake, Backup, Marker, License Plate and Turn Signal Lights.**
19. **Cable: 7/8" diameter x 71' Long, 6 x 37 EXTWRC Regular Right Lay, Core Color Coded and of Domestic Origin; - with a Manufacturers Rated Capacity of 39 Tons. Line Pull on Cable at 1850 P.S.I.: 35,594#.**
20. **Cable Pick Up End: Cast Steel Swivel Cable Eye - Tested to 78,000#, and Secured by Cold Flowing Swaged Fittings.**
21. **Cable Anchor: (4) 7/8" Forged Cable Clamps, Hot Galvanized and of Domestic Origin.**

X

X

X

X

X

NOTE: All main frames, subframes, and manufactured components shall be jigged when fabricated to assure interchangeability of parts.

HYDRAULIC SPECIFICATIONS

COMPLY

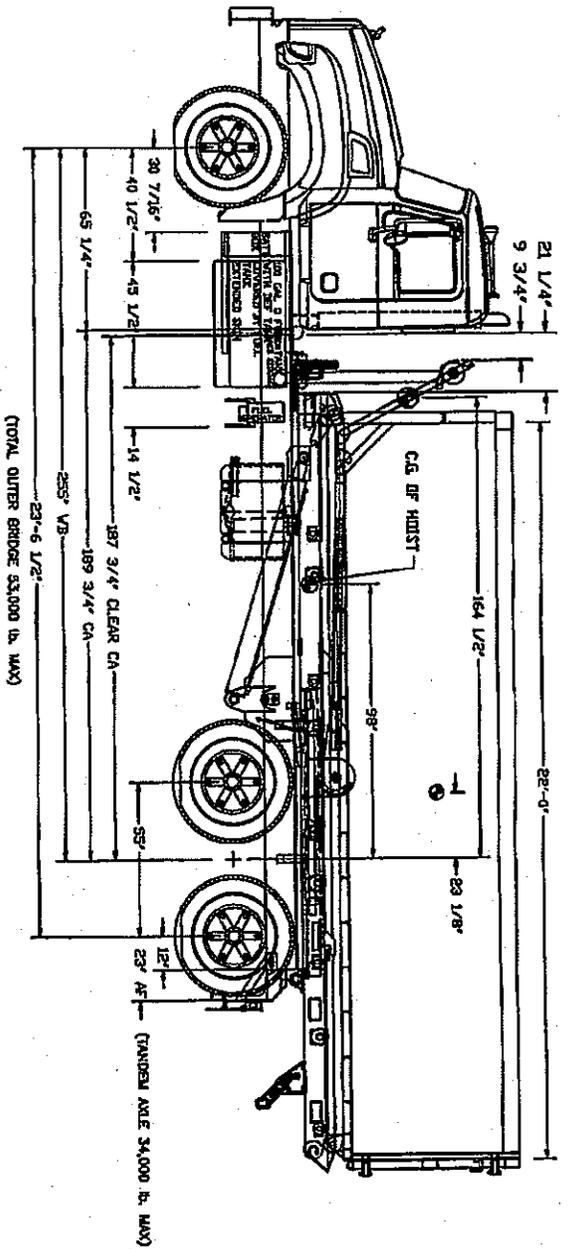
		YES	NO
1.	Pump: Gear Type, 35 G.P.M. @ 1500 RPM (Parker front)	X	
2.	Valve: 2 Spool, Sectional, 35 G.P.M. with Port Relief's	X	
3.	Oil Filter: 60 G.P.M., 100 Wire Mesh, 25 Micron, Replaceable	X	
4.	Oil Reservoir: 50 Gallon Capacity with Window Type Sight Gauge and Temperature Gauge.	X	
5.	Internal Filter: 200 Wire Mesh Suction Strainer and 10 Micron Fill Port - Replaceable Filter with Built in Bypass	X	
6.	System Total Oil Capacity: 72 Gallons	X	
7.	Shutoff Valves: 2" Ball Valve	X	
8.	Hydraulic Fittings: JIC, O-Ring Fittings of Domestic Origin.	X	
9.	Hydraulic Hoses: SAE 100-R2, 5000 P.S.I. Max.	X	
10.	Lift Cylinders: (2) 6" x 72" D.A. with 4-1/2" O.D. Ground, Polished, and Chrome Plated Rod Tube.	X	
11.	Winch Cylinders: (2) 6" x 80" D.A. with 3" O.D. Ground, Polished, and Chrome Plated Rod - Solid.	X	

NOTE: PARKER FRONT MOUNT
PUMP TO BE SUPPLIED

X

|

- REQUIRED TRUCK CONFIGURATION:**
- 1) "WISCONSIN PACKAGE" SETUP
 - 2) PIRMAX 460 SUSPENSION WILL NOT WORK
 - 3) AIR TANKS DISCARD IN THE TRUCK FRAME
 - 4) WRAPPED FUEL TANK WITH REAR MOUNTED DEF TANK
 - 5) MACK G89 WITH WRAP AROUND EXHAUST



TOTAL LOAD = CONTAINER + LOAD = 21,350 LBS

	FRONT AXLE (LBS)	TRUCK TANDEN (LBS)	WEIGHT DISTRIBUTION		TRUCK OUTER BRIDGE	RESULTS (LBS)
TRUCK	10,580	10,110	FRONT	REAR		50,340
HOIST	2,671	4,279				
TARPER	871	479				
LOAD	1,936	19,414	32%	68%		
TOTAL	18,058	* 34,282			* LIMITING CAPACITY	

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OWNED BY ONE OR MORE OF THE FOLLOWING US PATENTS:

CON. DATE	NO.	SER.	DATE	NO.	CON. DATE	NO.	SER.

Galbreath LLC
KIMMEL, INDIANA

DO NOT SCALE DRAWING
SCALE 1/4" = 1"
BY GEORGE
DATE 5/2/11

HOISTS HI
GVVR RATING 22FT CNT
US-ID-174
MACK G8913 2010 255VA 100E V

CON. NO. 18
SER. NO. 1310378

GALBREATH INCORPORATED
TANDEM TRUCK ROLL-OFF HOIST
LIMITED WARRANTY & LIMITED LIFETIME FRAME WARRANTY

GALBREATH INCORPORATED ("GALBREATH") warrants its roll-off hoist main frame weldment against failure, as the result of corrosion, for the life of the hoist frame while it's mounted to the original chassis. (IS4063)

GALBREATH warrants the reservoir, pump, hydraulic control valve, and hydraulic cylinders against operational failure caused by defective material or workmanship, which occurs during normal use within two (2) years from date of shipment from our factory.

GALBREATH warrants all other products of it's manufacture against operational failure caused by defective material or workmanship, which occurs during normal use within one year from date of shipment from our factory.

GALBREATH will replace all parts of our manufacture free of charge that our inspection at our factory shows to us to be defective in accordance with the above paragraph. Written permission must be obtained from authorized Galbreath personnel for any repairs performed other than in our factory. All claims for reimbursement must be filed with proper documentation no later than forty-five (45) days after occurrence to be allowed.

All products purchased by GALBREATH from an outside vendor shall be covered by the warranty of that respective vendor only, and GALBREATH does not participate in or obligate itself to any such warranty.

No freight, travel cost, meals, lodging, or loss of hydraulic oil shall be covered by this warranty, all labor costs allowed shall be in accordance with GALBREATH'S established rate; in case of alleged defect, product shall be returned to GALBREATH with transportation charges prepaid. No freight collect shipment will be accepted.

GALBREATH makes no warranty on any of it's equipment used in any way except as it was designed, intended, and sold to perform.

DISCLAIMER OF WARRANTIES. THE LIMITED AND CONDITIONAL WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ANY AND ALL REPRESENTATIONS, SPECIFICATIONS, WARRANTIES AND REMEDIES, EITHER EXPRESS OR IMPLIED, HEREIN OR ELSEWHERE, OR WHICH MIGHT ARISE UNDER LAW OR EQUITY, OR PURSUANT TO ANY COURSE OF DEALING OR CUSTOM OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR ANY SPECIFIED OR INTENDED PURPOSE.

LIMITATION OF REMEDIES AND LIABILITY. PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST GALBREATH SHALL BE THE REMEDY OF DEFECTS IN PRODUCTS DELIVERED HEREUNDER AS PROVIDED BY, AND WITHIN THE TIME PERIOD SPECIFIED IN, GALBREATH'S LIMITED WARRANTY SET FORTH ABOVE. GALBREATH'S LIMITED WARRANTY CONSTITUTES THE SOLE REMEDY WITH RESPECT TO OR ARISING OUT OF THE EQUIPMENT, PRODUCTS OR SERVICES OF GALBREATH. NOTWITHSTANDING ANY OTHER PROVISIONS HEREOF, IN NO EVENT SHALL GALBREATH BE LIABLE IN CONTRACT, TORT OR EQUITY FOR ANY LOSS OF ANTICIPATED PROFITS, LOST SALES, INJURY TO PERSONS OR PROPERTY, LOSS BY REASON OF PLANT SHUTDOWN, NON-OPERATION OR INCREASED EXPENSE OF OPERATION, SERVICE INTERRUPTIONS, CLAIMS OF CUSTOMERS, COST OF MONEY, LOSS OF USE OF CAPITAL OR REVENUE, OR FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL LOSSES OR DAMAGES OF ANY KIND WHATSOEVER.

All claims shall be processed through the GALBREATH Customer Service Department or your authorized GALBREATH dealer.

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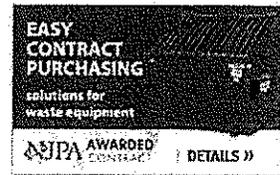
GALBREATH HOOK HOISTS



The Galbreath Hook Hoist series is versatile and performs multiple functions such as dumping, spreading, transporting, flushing, hauling, recycling and cleaning. Hook hoists provide greater driver convenience since drivers never need to get out of the truck to load and unload a container. Galbreath Hook hoists also provide faster load/unload times. For use with outside rail containers.

Features:

- Superior maneuverability, versatility, and economy
- Tolerates imperfect alignment
- Up to a 62 degree dump angle for clean discharge
- Power loading and unloading for ultimate control
- Fast cycle times
- Superior in cab operation
- Bolt on replaceable hook for 30,000 - 60,000 lb. units
- All above chassis installation
- Counter balance valves in cylinders deter cylinder run-away
- Contoured steel fenders are standard on 30,000 - 60,000 lb. units
- inside air controls are standard on 30,000 - 60,000 lb. units
- Hardened steel bushings on 30,000 - 60,000 lb. units
- Steel hydraulic tank is standard on 30,000 - 60,000 lb. units (all units)
- Bumper with recessed LED lights
- 2-year warranty on all hydraulic components

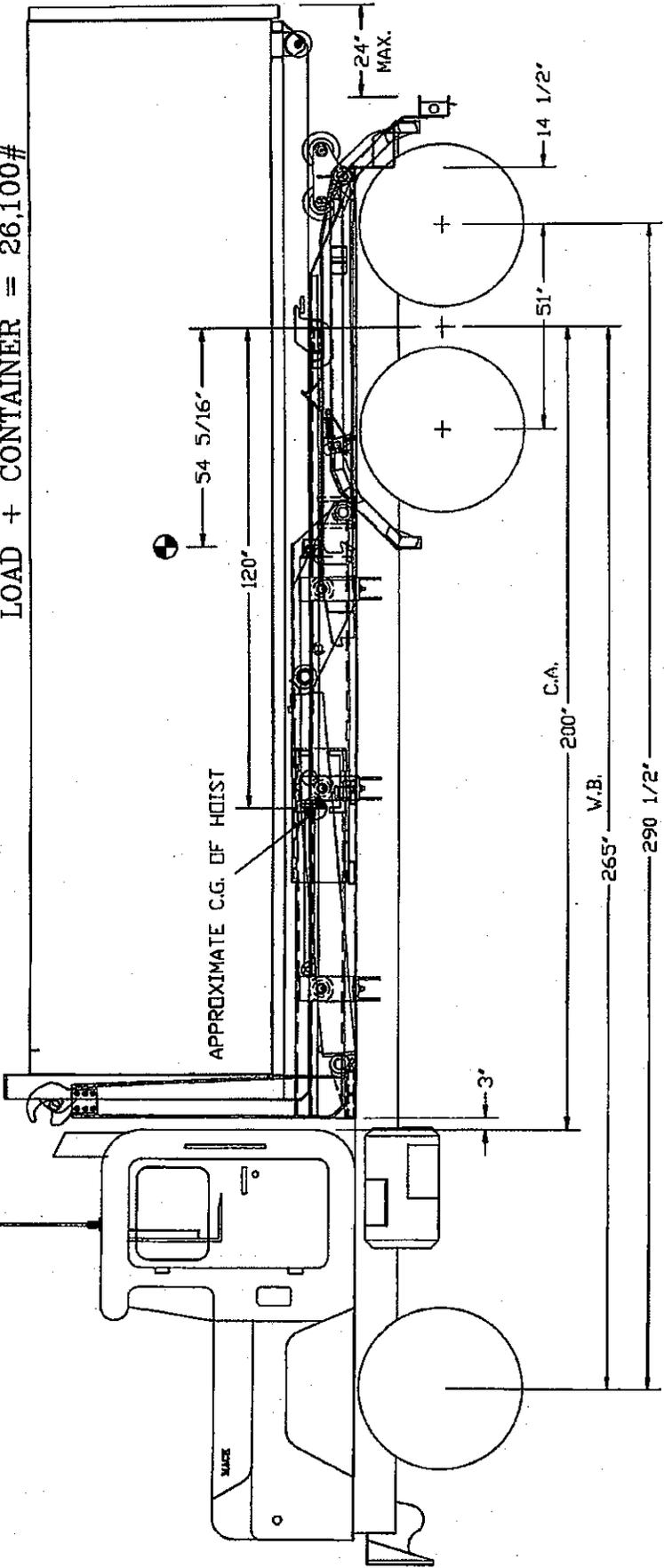


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NOTE: ADD 8"-11" FOR TARP SYSTEM CA208"-211"

LOAD + CONTAINER = 26,100#



FRONT AXLE TRUCK TANDEM

TRUCK	0,158 LB.	10,488 LB.
HOIST	3,509 LB.	4,241 LB.
LOAD	5,349 LB.	20,751 LB.
TOTAL	* 10,016 LB.	35,480 LB.

RESULTS

TRUCK OUTER BRIDGE (25 FT. \ 3 AXLES): 53,496 LB.
 TOTAL TRUCK WEIGHT = 53,496 LB.
 * LIMITING CAPACITY

WEIGHT DISTRIBUTION

FRONT 34%
 TANDEM 66%

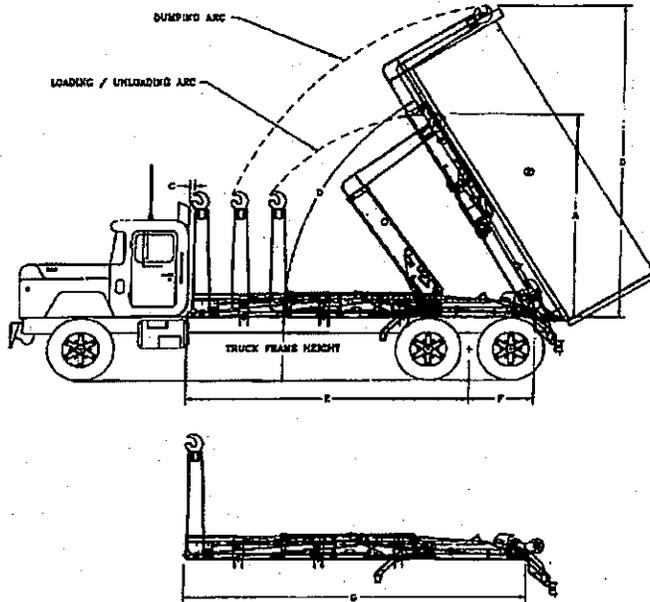
<TRUCK OUTER BRIDGE- 3 AXLES, 24' - 54,000 LB. MAX.>

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EEN DATE		NO. BY		DO NOT SCALE DRAWING		SCALE 1/40" = 1"		HOISTS H2	
NO.		BY GEORGE		WEIGHT DISTRIBUTION 22FT CONT.		BOOK NO. 18		NO. IS4355	
DATE 11/22/99		WINAMAC, INDIANA		U5/U6-HK-200					



SPECIFICATIONS:

U5-HK-176 / U5-HK-200 / U6-HK-176 / U6-HK-200



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 Mansfield, TX 76063
 Ph: 817-477-4564 • Fax: 817-473-7657
 800-297-0668 (inside USA)

Highway 75 South, Route #1, P.O. Box 160
 Ider, AL 35981
 Ph: 205-657-6140 • Fax: 205-657-6147
 800-964-6478 (inside USA)

HOIST MODELS	U5-HK-176	U5-HK-200	U6-HK-176	U6-HK-200
* (A) MAXIMUM HOOK HEIGHT ABOVE TRUCK FRAME LOADING / UNLOADING	132 5/8"	132 5/8"	132 5/8"	132 5/8"
* (B) MAXIMUM HOOK HEIGHT ABOVE TRUCK FRAME DUMPING	203 5/16"	203 5/16"	203 5/16"	203 5/16"
(C) CAB TO HOIST	3"	3"	3"	3"
(D) RAISED ANGLE	58°	58°	58°	58°
(E) CAB TO AXLE	176"	200"	176"	200"
(F) AFTER FRAME	40"	40"	40"	40"
(G) HOIST LENGTH	213"	237"	213"	237"
RATED CAPACITY	50,000 LBS	50,000 LBS	60,000 LBS	60,000 LBS
LIFT CYLINDERS	7" x 3 1/2" x 81"			
JIB CYLINDER	4" x 2 1/2" x 48"			
RECOMMENDED CONTAINER LENGTH	16' - 20'	18' - 22'	16' - 20'	18' - 22'
APPROX. WEIGHT	6,839 LBS	7,483 LBS	7,859 LBS	8,003 LBS

(1) FACTORY TESTED WITH RECOMMENDED CONTAINER LENGTH AND WATER LEVEL LOAD.
 (2) WHEN RECOMMENDING CONTAINER LENGTHS: WEIGHT DISTRIBUTION, DUMP ANGLE, AND OVERHANG ARE FACTORS.
 * TOTAL MAXIMUM HEIGHT WILL DEPEND ON CONTAINER. CONSULT ENGINEERING FOR CLEARANCE.



MODEL U5-HK-176 / U5-HK-200 / U6-HK-176 / U6-HK-200

CROSS MEMBERS — STRUCTURAL TUBING 62,000 LBS. MIN TENSILE A500 GRADE C

MAIN FRAME — HSLA A572 65,000 LBS. MIN TENSILE

JIB FRAME — A514 T-1 & STRUCTURAL TUBING A500 GRADE C

PIVOT TUBE — A514 T-1 100,000 PSI MINIMUM YIELD

PICKUP HOOK — A514 T-1 100,000 PSI MINIMUM YIELD

LIFT CYLINDER PINS — 2 3/4" SOLID (91,000 LB. TENSILE)

HINGE SHAFT — 2 1/2" SOLID (91,000 LB. TENSILE)

JIB BEARING — 6M POLYMER

PAINTED BLACK

ALL PIVOT JOINTS HAVE HARDENED STEEL BUSHINGS AND GREASE FITTINGS

REAR STABILIZER STANDARD ON U6 MODELS

OUTBOARD SUPPORTED UPPER LIFT SHAFT

MECHANICAL INTERLOCK BETWEEN TAIL AND PIVOT ASSEMBLY

OUTSIDE CONTROLS STANDARD

ALUMINUM DIAMOND PLATE FENDER STANDARD

FULL WIDTH BUMPER WITH RECESSED LIGHTS STANDARD

RUBBER MOUNTED SEALED LIGHTS STANDARD

INSIDE AIR OPERATED CONTROLS STANDARD

POLYURETHANE RESERVOIR WITH 10 MICRON AIR BREATHER, 25 MICRON IN TANK RETURN FILTER AND FILLER, SIGHT GAUGE WITH TEMPERATURE GAUGE

CYCLE TIMES AT APPROXIMATELY 37.5 GPM

EXTENDING DUMP (58°) - 43 SECONDS

EXTENDING JIB - 4 SECONDS

RETRACTING DUMP - 32 SECONDS

RETRACTING JIB - 3 SECONDS

HYDRAULIC SYSTEM

2 SPOOL (U5 MODELS) 3 SPOOL (U6 MODELS) AIR OPERATED GRAPHITE IMPREGNATED SECTIONAL VALVE WITH MANUAL CONTROLS OUTSIDE

7" X 3 1/2" X 81" LIFT CYLINDERS WITH BUILT-IN COUNTERBALANCE VALVES

6" X 3" X 4.81" STABILIZER CYLINDERS WITH BUILT-IN COUNTERBALANCE VALVE ON U6 MODEL

4" X 2 1/2" X 48" JIB CYLINDER WITH BUILT-IN COUNTERBALANCE VALVE

OPERATING PRESSURE - 3500 PSI

MINIMUM TRUCK SPECIFICATIONS

FRONT AXLE: 18,000 LB. (WITH POWER STEERING)

REAR AXLE: 44,000 LB.

TOTAL BENDING MOMENT (BOTH FRAME CHANNELS): 4,800,000 IN-LB.

36,000 PSI CHASSIS FRAME: MINIMUM SECTION MODULUS = 33.3 IN³

50,000 PSI CHASSIS FRAME OR MORE: MINIMUM SECTION MODULUS = 24 IN³

GALBREATH INCORPORATED
MODEL U30, U5 & U6 HOOKLIFT HOIST
LIMITED WARRANTY & LIMITED LIFETIME FRAME WARRANTY

GALBREATH INCORPORATED ("GALBREATH") warrants its hook hoist pivot assembly weldment, and hook tube weldment against failure, as the result of corrosion, for the life of the hoist frame while it's mounted to the original chassis. (IS4064, IS4065)

GALBREATH warrants the reservoir, pump, hydraulic control valve, and hydraulic cylinders against operational failure caused by defective material or workmanship, which occurs during normal use within two (2) years from date of shipment from our factory.

GALBREATH warrants the polyurethane reservoir, direct mount pump, hydraulic control valve with air controls, hydraulic cylinders, and hoses against operational failure caused by defective material or workmanship, which occurs during normal use within two (2) years from date of shipment from our factory.

GALBREATH warrants all other products of it's manufacture against operational failure caused by defective material or workmanship, which occurs during normal use within one (1) year from date of shipment from our factory.

GALBREATH will replace all parts of our manufacture free of charge that our inspection at our factory shows to us to be defective in accordance with the above paragraph. **Written permission must be obtained from authorized Galbreath Personnel for any repairs performed other than in our factory.** All claims for reimbursement must be filed with proper documentation no later than forty-five (45) days after occurrence to be allowed.

All products purchased by GALBREATH from an outside vendor shall be covered by the warranty of that respective vendor only, and GALBREATH does not participate in or obligate itself to any such warranty.

No freight, travel cost, meals, lodging, or loss of hydraulic oil shall be covered by this warranty, all labor costs allowed shall be in accordance with GALBREATH'S established rate; in case of alleged defect, product shall be returned to GALBREATH with transportation charges prepaid. No freight collect shipment will be accepted.

GALBREATH makes no warranty on any of it's equipment used in any way except as it was designed, intended, and sold to perform.

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Revised 2/25/00

Automatic rolloff tarping just got affordable!

**NEW
&
IMPROVED!**

QUICK FLIP II

Automatic Rolloff Tarp System

**Featuring
Hydraulic Direct-Drive
Motor!**



Longest lasting
tarp in the industry -
comes standard

Affordable!

All the performance at half the price of other tarpers!

Hassle-Free Tarping!

Easy to install, easy to maintain... less moving parts.

Hydraulic Direct-Drive Motor!

Mighty Mesh Tarp!

No other tarp comes close. #1 in durability. #1 in customer satisfaction!



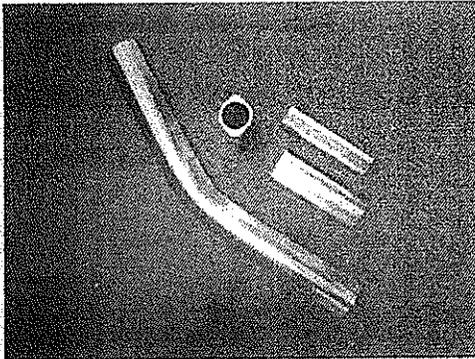
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Automatic rolloff tarping just got affordable!

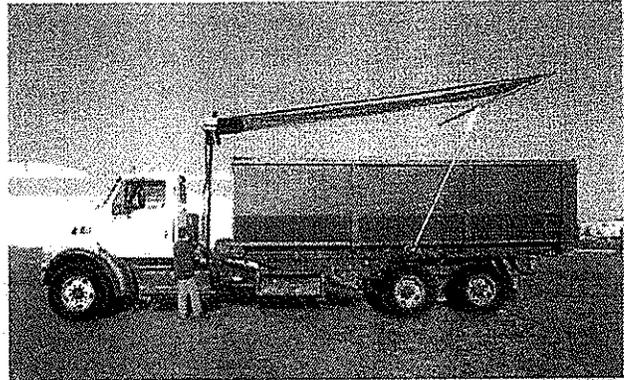
**NEW
&
IMPROVED!**

QUICK FLIP II

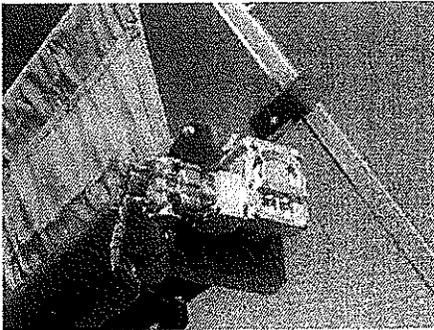
Automatic Rolloff Tarp System



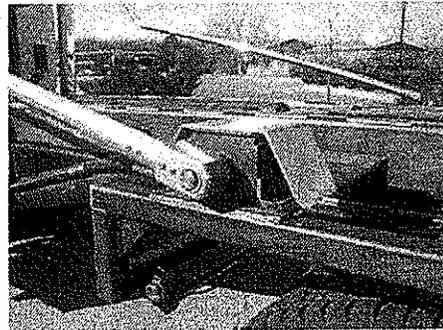
Pivot arms Guaranteed for Life not to break due to defects in material.



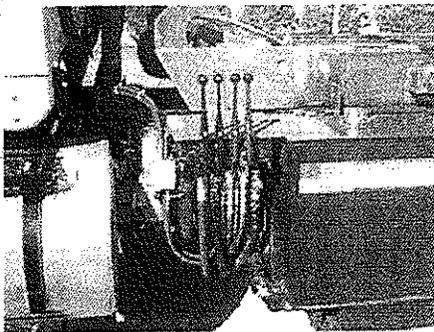
Gantry raises to 8' to cover 15-40 cu. yd. containers



Hydraulic direct drive motor deploys and retracts tarp.



Heavy duty spring housing offers easy access for maintenance



2-spool control valve & priority flow control valve included.



Each QuickFlip II system includes a 8' x 28' Mighty Mesh tarp at no up charge!
(Mighty Mesh is the most durable tarp fabric available anywhere... bar none!)

Call Lynn or Jody today to find a Donovan dealer near you!



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