

SUBJECT: Authorization to purchase a 6-Wheel Drive Semi-Truck with Stellar Hook under Sourcewell Contract 032824-DAI from Trailer Craft for the amount of \$236,068.00.

AGENDA OF: February 18, 2025

ASSEMBLY ACTION:

Approved under the consent agenda 02/18/25 - EMW

AGENDA ACTION REQUESTED: Present to the Assembly for consideration.

Route To:	Signature
Purchasing Officer	<div> <div>X</div> <div>Rustin Krafft</div> <div>2/6/2025</div> <div>Signed by: Rustin Krafft</div> </div>
Public Works Director	<div> <div>X</div> <div>Tom Adams, P.E.</div> <div>2/6/2025</div> <div>Signed by: Tom Adams</div> </div>
Finance Director	<div> <div>X</div> <div>Cheyenne Heindel</div> <div>2/6/2025</div> <div>Signed by: Cheyenne Heindel</div> </div>
Borough Attorney	<div> <div>X</div> <div>Nicholas Spiropoulos</div> <div>2/6/2025</div> <div>Signed by: Nicholas Spiropoulos</div> </div>
Borough Manager	<div> <div>X</div> <div>Michael Brown</div> <div>2/6/2025</div> <div>Signed by: Mike Brown</div> </div>
Borough Clerk	<div> <div>X</div> <div>Lonnie McKeechie</div> <div>2/6/2025</div> <div>Signed by: Lonnie McKeechie</div> </div>

ATTACHMENT (S) : Quote (29p)
Fiscal Note (1p)

SUMMARY STATEMENT: The operations and maintenance department identified a need for a 6-Wheel Drive Semi-Truck with a Stellar Hook. This purchase will be used to attached equipment to the vehicle that will help maintain the roads for the Mat-Su Borough area.

This purchase is being made under Sourcewell Contract 032824-DAI

Sourcewell is a Minesota based cooperative purchasing program that assists local and state governments by leveraging the buying power of multiple agencies while reducing the overhead costs. Sourcewell analysts streamline the procurement process by developing RFPs and IFBs for national, competitive solicitations that meet or exceed local requirements. Their competitive process is based on the American Bar Association Model Procurement Code for State and Local

Governments, the same basis for the requirements set forth in MSB Code.

Prior to recommending this purchase through Sourcewell, the Matanuska-Susitna Borough Purchasing Division issued a solicitation requesting bids from qualified contractors to purchase and deliver a 6-Wheel Drive Semi-Truck with a Stellar Hook. This solicitation allowed any interested and qualified bidder to submit pricing based on the same specification and compatibility requirements offered under the Sourcewell contract. Upon receipt of those bids, we were able to verify that the pricing available through the Sourcewell contract represented the lowest cost to the Borough compared to 2 other brands.

FY23 Legislation approved \$300K for refurbishment of 2x thaw trucks. The O&M re-evaluated the required work to refurbish and discovered that money would no longer cover the costs. Both units are at the end of their life cycle and decision was made to purchase a new vehicle to replace the two old units. Legislation was submitted to change the scope of the FY23 money to a "purchase" not "refurbish." This purchase will then allow us to surplus 2 trucks from our fleet for the 1 new one. This leave us with 2x thaw trucks (a number we've determined is ample and we have manpower capable to operate).

Configuration of this vehicle will be identical to our remaining truck providing us with set 2 thaw boxes that could interchange between truck chassis at any given time. Furthermore, they are multi-functional and we already possess a 'dump truck' that can go right in the place of the thaw box. Future funding requests will be made to acquire a blank skid plate or two, this will make this equipment even more versatile (mainly in moving mud mats and other equipment), in lieu of other trailers or commercial equipment.

Goods purchased will support the Public Works Department in all assembly districts.

Delivery is expected by November of 2025.

In accordance with MSB 3.08.170(B), Administration requests authority to modify the resulting contract completion date by 90 days for unforeseen circumstances.


RECOMMENDATION OF ADMINISTRATION: Approve the subject action memorandum.

MATANUSKA-SUSITNA BOROUGH

FISCAL NOTE

Agenda Date: February 18, 2025

SUBJECT: Award of bid number 25-123B to Trailercraft for the contract amount of \$236,068.00 to purchase a 6-Wheel Semi-Truck with Stellar Hook.

FISCAL ACTION (TO BE COMPLETED BY FINANCE)	FISCAL IMPACT YES NO
AMOUNT REQUESTED \$236,068	FUNDING SOURCE RSA Capital Projects
FROM ACCOUNT # 410.000.000 4xx.xxx	PROJECT# 30092
TO ACCOUNT :	PROJECT #
VERIFIED BY:  X Liesel Weiland Signed by: Liesel Weiland	CERTIFIED BY:
DATE:	DATE:

EXPENDITURES/REVENUES:

(Thousands of Dollars)

OPERATING	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
Personnel Services						
Travel						
Contractual						
Supplies						
Equipment						
Land/Structures						
Grants, Claims						
Miscellaneous						
TOTAL OPERATING						

CAPITAL	236.1					
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REVENUE						
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FUNDING:

(Thousands of Dollars)

General Fund						
State/Federal Funds						
Other	236.1					
TOTAL	236.1					

POSITIONS:

Full-Time						
Part-Time						
Temporary						

ANALYSIS: (Attach a separate page if necessary)

PREPARED BY: _____ PHONE: _____

DEPARTMENT: _____ DATE: _____

2 / 5 / 2 0 2 5

X Cheyenne Heindel

APPROVED BY: _____ DATE: _____
Signed by: Cheyenne Heindel



SOLICITATION REQUISITION FORM

Purchasing Division
350 East Dahlia Avenue,
Palmer, Alaska 99645-6488
PHONE (907) 861-8601
Purchasing@MatSuGov.us

PROJECT TITLE: 6-Wheel Drive Semi W/Stellar Hook

REQUESTING PERSON/DIVISION/DEPARTMENT: Jeff Wojtacha or Chad Fry / O&M / Public Works

REVISED FORM/VERSION: 1	STAKEHOLDER DEPT.: PW	ASSEMBLY DISTRICT #: ALL	DATE NEEDED BY: 10/1/2025
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PURCHASE TYPE: __ CONSTRUCTION | __ PROFESSIONAL SERVICE | __ SERVICE | X SUPPLIES

Scope of Work/Scope of Services, specifications, supplemental general conditions, drawings, plans and/or all other documents are required to issue the solicitation and must be provided with this request and funding verification document.

Item No.	Description	Qty. Requested	Unit	Est. Unit Price	Est. Line Total / Est. Contract Amount
1	6-Wheel Drive Semi with Stellar Hook (see page 2 for specifications)	1	Ea		
				ESTIMATED TOTAL ALL	
				DO NOT EXCEED	300,000.00

ACCOUNTING

FUNDING TYPE(S): X_ MSB | __ STATE | __ FEDERAL | __ DHS&EM/FEMA | __ NOT CURRENTLY FUNDED/PENDING

* If the project is subject to state or federal grant funding that requires special procurement provisions or terms, provide a copy of the grant.

Account Number	Project	Source	Sub-Project	Amount	Project Exp. Date
410.000.000.464.451	30092	6600	6624	150,000.00	6/30/2025
410.000.000.464.451	30092	6600	6625	150,000.00	6/30/2025

APPROVAL / CERTIFYING

REQUESTER NAME & TITLE (PRINT NAME & TITLE) Chad Fry, O&M Division Manager	REQUESTER'S SIGNATURE Chad Fry <small>Digitally signed by Chad Fry Date: 2024.12.23 10:33:40 -09'00'</small>	DATE 12/23/2024
DEPARTMENT DIRECTOR NAME & TITLE (PRINT NAME & TITLE) Tom Adams, Director, Public Works	DEPARTMENT DIRECTOR'S SIGNATURE Tom Adams <small>Digitally signed by Tom Adams Date: 2024.12.23 14:04:48 -09'00'</small>	DATE
CERTIFICATION: I certify that the facts herein and on supporting documents are correct, that this voucher constitutes a legal charge against funds and appropriations cited, that sufficient funds are encumbered to pay this obligation, or that there is a sufficient unencumbered balance in the appropriation cited to cover this obligation.		
CERTIFYING OFFICER NAME & TITLE (PRINT NAME & TITLE) Merissa Carrell, Assistant Comptroller	CERTIFYING OFFICER'S SIGNATURE	DATE

6-Wheel Drive Semi-Truck with Stellar Hook specifications listing:

- INSTALLED STELLAR HOOK MODEL 120-16-20 SHUTTLE
- MINIMUM 370 HP
- MINIMUM 1250 FP TORQUE @ 2100 RPM
- MINIMUM 160 AMP ALTERNATOR
- AUTOMATIC TRANSMISSION W/PTO PROVISION
- HEAVY DUTY PTO WITH WET KIT
- 40,000 TANDEM REAR AXLE EXTRA DUTY
- REAR DIFFERENTIAL LOCKERS
- 16,000 FRONT DRIVE AXLE
- ENGINE BRAKE
- ESTIMATED 207" WHEELBASE
- MINIMUM 3 BATTERIES 3000CCA OR HIGHER
- AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS
- REAR PINTLE HITCH
- SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME
- MINIMUM 1000-WATT BLOCK HEATER
- MINIMUM 150-WATT OIL PREHEATER
- MINIMUM 5- AMP AUTOMATIC BATTERY TRICKLE CHARGER
- MINIMUM -30F COOLANT
- 4.30 FRONT AND REAR AXLE GEAR RATIOS
- 2 SPEED TRANSFER CASE
- HEATED MIRRORS
- 4 EXTRA IGNITION KEYS
- MINIMUM 80-GALLON FUEL TANK FOR SEMI
- MINIMUM 80-GALLON AUX FUEL TANK WITH QUICK CONNECT FUEL LINES "TO FEED THAW BOILER STELLAR SKID"
- AUX HYDRAULIC LINES WITH QUICK DISCONNECTS AND PRESSURE CONTROLS "TO FEED BOILER THAW SKID"
- MINIMUM 13 GALLON DEF TANK
- DRIVERS AIR RIDE SEAT FULL BACK
- PASSENGER AIR RIDE SEAT FULL BACK
- AM/FM RADIO WITH BLUETOOTH AND HANDS-FREE CELL PHONE CAPABILITY
- LED HEADLIGHTS
- ROOF MOUNTED 48" AMBER/BLEU BEACON
- MINIMUM 2 6" REAR-LED CAB WORK LIGHTS
- FRONT LED SPOT/FLOOD MINIMUM 20" LIGHT BAR
- PAINT TO BE OXFORD WHITE
- ALL FLUIDS SYNTHETIC
- MINIMUM 5000-WATT AC INVERTER WITH EXTERIOR QUICK CONNECTIONS TO FEED "THAW BOILER SKID"
- 5 YEARS 100,000 MILE EXTENDED WARRANTY
- SEMI TO BE SET UP TO CARRY AND OPERATE CURRENT OWNED "THAW BOILER STELLAR SKID"
- SERVICE MANUALS FOR ALL SYSTEMS

FY23 410 464.451 30092 6600-6624
410 464.451 30092 6600-6625



VEHICLE PURCHASE AGREEMENT

TOLL FREE ALL STORES 800-523-8014

Buyer's Name <u>MATANUSKA SUSITNA BOROUGH</u>			Order Date <u> </u> / <u> </u> / <u> </u>
Address <u>1420 S. INDUSTRIAL WAY</u>			Estimated Delivery Date <u> </u> / <u> </u> / <u> </u>
City <u>PALMER</u>	State <u>AK</u>	Zip <u>99645</u>	Sales Rep <u>STEPHEN LEO</u>
Business Phone <u> </u>		Cell Phone <u> </u>	Customer Email <u> </u>

Quantity Ordered 1
Base Price Per Unit \$ 229,418.00
Federal Excise Tax Per Unit \$
Subtotal Price Per Unit \$ 229,418.00
Additional Description
** UNIT ORDERED PER CUSTOMER APPROVED SPEC

SOURCEWELL ID #032824

Additional Items Per Unit (Not included in base price)

TC4 WARRANTY 5/100	\$ 2,875.00
HD1 CUMMINS L9 WARRANTY 5	\$ 1,800.00
AT3 CUMMINS AFTREATMENT V	\$ 855.00
TOWING 5/unlimited	\$ 920.00

	\$
	\$
	\$

Administration Fee	\$ 200.00
Title/Transfer Fee Per Unit	\$ 0.00
Trip/Fuel Permit Per Unit	\$
Subtotal:	\$ 236,068.00
Sales Tax Rate: <u> </u> %	\$ 0.00
Less: Deposit	\$ 0.00
Less: Cash Down Payment	\$ 0.00
Less: Net Trade-in Allowed	\$ 0.00
Unpaid Balance	\$ 236,068.00

(DUE ON DELIVERY)

Signature X
Date X

Stock Number ☒ New
VIN Number ☐ Used
Year 2026 Color WHITE
Make FREIGHTLINER
Model 108SD
Tractor/Truck/Trailer CHASSIS/HOOK

TRADE IN: CONDITION REPORT REQUIRED

Year Make Model
Body Type Color
VIN Number
Loan Balance Owed To
Address
City State Zip
Trade Allowance \$ 0.00
Balance Owning \$ 0.00
Equity \$ 0.00

SALES LOCATION

☒ Anchorage, AK (907) 563-3238 ☐ Fairbanks, AK (907) 451-0033

Award

VEHICLE PURCHASE AGREEMENT

Buyer's Name MATANUSKA SUSITNA BOROUGH

Order Date _____

Sales Rep STEPHEN LEO

EXCLUSION OF WARRANTIES: Any warranties on the products sold hereby are made by the manufacturer. The undersigned purchaser understands and agrees that TrailerCraft makes no warranties of any kind, express or implied, and disclaims all warranties including warranties of merchantability or fitness for a particular purpose, with regard to the products purchased; and that in no event shall TrailerCraft be liable for incidental or consequential damages or commercial losses arising out of such purchase. This disclaimer does not affect the manufacturer's warranties, if any on this purchase. Extended warranties are available for purchase at time of sale but are not included unless otherwise stated in the Vehicle Purchase Agreement. Tax, title and license are the purchaser's responsibility.

PRICE INCREASES: Prices are subject to change in the event of manufacturer-imposed surcharges or price increases. Purchasers will receive written notice of any price increase and given no less than 14 calendar days to accept the price increase or cancel the order at no charge.

VEHICLE DELIVERY TERMS: Vehicles must be paid in full prior to customer taking possession. Customer will be notified once vehicle(s) have been received from OEM and are ready for delivery. From the day of notification customer will have fourteen (14) calendar days to fund TrailerCraft any amount still owed on the vehicle and take possession of vehicle. Vehicles not funded after fourteen calendar days will be subject to additional daily flooring charges until payment is received in full. All deposits on factory ordered vehicles are non-refundable. Valid proof of insurance required prior to vehicle pick up or delivery.

FEDERAL EXCISE TAX: (Applicable) Federal Excise Tax will be invoiced and collected at time of sale by TrailerCraft. Purchaser may provide a signed exemption certificate specific to the vehicles being sold at time of invoicing to be exempted from Federal Excise Tax.

TRAILERCRAFT PREFERRED METHOD OF PAYMENT:

1. In-House Finance
2. Automated Clearing House (ACH)
3. Wire Transfer
 - a. Instructions are available for customer reference
4. Cashier's Check
 - a. Must be from local banks only – out of state transactions are wire transfer/ACH only
 - b. Must be payable to TrailerCraft.

Purchaser agrees that the VEHICLE PURCHASE AGREEMENT (VPA) includes all terms and conditions, that this VPA cancels and supersedes any prior VPA and as of the date hereof comprises an exclusive statement of the terms of this agreement relating to the subject matter covered hereby. **THIS AGREEMENT SHALL NOT BECOME BINDING UNTIL ACCEPTED BY THE DEALER** as evidenced below. Purchaser by their execution of this agreement acknowledges they have read and accepted its terms and conditions and has received a true copy of this agreement.

Purchaser's Acceptance

Purchaser's Name (Please Print) MATANUSKA SUSITNA BOROUGH

Name of Authorized Representative _____

Title of Authorized Representative _____

Signature of Authorized Representative X _____

Date _____

X _____

TrailerCraft:

Accepted This Date By:

X _____, Sales Manager

Date _____

Prepared for:
Jeff Wojtacha
MATANUSKA SUSITNA
BOROUGH
420 E INDUSTRIAL WAY
PALMER, AK 99645
Phone: 907-861-7775

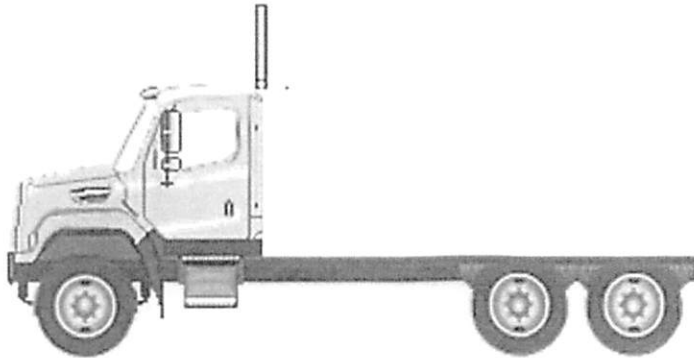
Prepared by:
Stephen Leo
TRAILERCRAFT, INC.
222 W. 92ND AVE.
Anchorage, AK 99515
Phone: 907-563-3238

A proposal for
MATANUSKA SUSITNA BOROUGH

Prepared by
TRAILERCRAFT, INC.
Stephen Leo

Dec 04, 2024

Freightliner 108SD Plus



Components shown may not reflect all spec'd options and are not to scale

Application Version 12.0.009
Data Version PRL-29D.019
CY25 MatSuB 108 Stellar



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Prepared for:
Jeff Wojtacha
MATANUSKA SUSITNA
BOROUGH
420 E INDUSTRIAL WAY
PALMER, AK 99645
Phone: 907-861-7775

Prepared by:
Stephen Leo
TRAILERCRAFT, INC.
222 W. 92ND AVE.
Anchorage, AK 99515
Phone: 907-563-3238

Q U O T A T I O N

108SD PLUS CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK
CUM L9 370 HP @ 2100 RPM; 2100 GOV RPM, 1250 LB-
FT @ 1200 RPM
ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH
PTO PROVISION
MERITOR MT-40-14X 40,000# R-SERIES TANDEM REAR
AXLE
AIRLINER 40,000# EXTRA DUTY REAR SUSPENSION
MERITOR MX-16-120 16,000# 1790MM KPI SINGLE
FRONT DRIVE AXLE

16,000# TAPERLEAF FRONT SUSPENSION
108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL
CAB
5250MM (207 INCH) WHEELBASE
NO FIFTH WHEEL
11/32X3-1/2X10-15/16 INCH STEEL FRAME
(8.73MMX277.8MM/0.344X10.94 INCH) 120KSI
1625MM (64 INCH) REAR FRAME OVERHANG

		PER UNIT	TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$ 150,653	\$ 150,653
EXTENDED WARRANTY		\$ 6,450	\$ 6,450
STELLAR 120-16-20 HOOKLIFT		\$ 78,765	\$ 78,765
CUSTOMER PRICE BEFORE TAX		\$ 235,868	\$ 235,868
TAXES AND FEES			
TAXES AND FEES		\$ 0	\$ 0
ADMIN FEE		\$ 200	\$ 200
TRADE-IN			
TRADE-IN ALLOWANCE		\$ (0)	\$ (0)
BALANCE DUE	(LOCAL CURRENCY)	\$ 235,868	\$ 236,068

SOURCEWELL ID# 032824-DAI

Extended Warranty

WAI-47H CUM 2017 L9: HD1 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM
EXTENDED WARRANTY. FEX APPLIES
WAX-101 CUM 2017 L9: AT3 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM
AFTERTREATMENT. FEX APPLIES
WBB-338 TC4: US HD STANDARD/MODERATE VOCATIONAL 5 YEARS/100,000
MILES/161,000 KM EXTENDED TRUCK COVERAGE

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AM 25-018

Prepared for:
Jeff Wojtacha
MATANUSKA SUSITNA
BOROUGH
420 E INDUSTRIAL WAY
PALMER, AK 99645
Phone: 907-881-7775

Prepared by:
Stephen Leo
TRAILERCRAFT, INC.
222 W. 92ND AVE.
Anchorage, AK 99515
Phone: 907-563-3238

**WAG-078 TOWING: 5 YEARS/UNLIMITED MILES/KM EXTENDED TOWING
COVERAGE \$750 CAP FEX APPLIES**



Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
Price Level			
PRL-29D	SD PRL-29D (EFF:MY26 ORDERS)		
Data Version			
DRL-019	SPECPRO21 DATA RELEASE VER 019		
Vehicle Configuration			
001-176	108SD PLUS CONVENTIONAL CHASSIS	6,829	3,748
004-226	2026 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-006	TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560	10	10
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-003	TRUCK/TRAILER CONFIGURATION		
AA6-002	DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
99D-027	EPA CLEAN IDLE LABEL FOR INITIAL REGISTRATION IN EPA OR ACT STATES - (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR)		
A85-011	CONSTRUCTION SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-010	DIRT/SAND/ROCK COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1AE	FREIGHTLINER LEVEL II WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 16000.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		

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 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
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Data Code	Description	Weight Front	Weight Rear
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 56000.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs		
Truck Service			
AA3-030	FLATBED/PLATFORM BODY WITH LIFT/PULL DEVICE/CRANE		
A89-99D	BRAKING-EXPECTED CAB TO BODY CLEARANCE : 15.0 in		
AF3-1K2	BOB'S SERVICES		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine			
101-3BU	CUM L9 370 HP @ 2100 RPM; 2100 GOV RPM, 1250 LB-FT @ 1200 RPM		
Electronic Parameters			
79A-065	65 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-005	PTO MODE ENGINE RPM LIMIT - 900 RPM		
79P-032	PTO RPM CONTROL WITH STEERING WHEEL SWITCHES		
79U-004	PTO GOVERNOR RAMP RATE - 100 RPM PER SECOND		
79W-008	ONE PTO SPEED VIA DASH SWITCH		
79X-003	PTO SPEED 1 SETTING - 800 RPM		
80E-001	ENGINE FAN ENABLED WITH RETARDER		
80G-015	PTO MINIMUM RPM - 800		
80S-001	PTO 1, DASH SWITCH, STATIONARY OPERATION		
Engine Equipment			
99C-024	EPA 2010/GHG 2024 CONFIGURATION		
13E-005	OIL PAN FOR AWD AND AWD CONVERSIONS		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
014-1B5	SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED		
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		



Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

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 Stephen Leo
 TRAILERCRAFT, INC.
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 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
292-236	(3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC, THREADED STUD BATTERIES	40	20
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-060	NON-ESSENTIAL POSITIVE LOAD DISCONNECT, LOCKING IN CAB CONTROL SWITCH MOUNTED OUTBOARD OF DRIVER SEAT	2	
295-003	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART CHASSIS MOUNTED LH BACK OF CAB	4	
306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-076	CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF	20	
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
28F-014	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER		
239-026	10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
233-017	STANDARD CURVE BRIGHT UPPER STACK(S)		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-002	13 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD(S)		

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Data Code	Description	Weight Front	Weight Rear
273-058	AIR POWERED ON/OFF ENGINE FAN CLUTCH		
276-002	AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
266-104	1115 SQUARE INCH ALUMINUM RADIATOR		
103-037	ANTIFREEZE TO -60F, ETHYLENE GLYCOL PRE- CHARGED SCA HEAVY DUTY COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
166-002	PHILLIPS-TEMRO 150 WATT/115 VOLT OIL PREHEATER	4	
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		

Transmission

342-582	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
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Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE



Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84K-002	2ND GEAR ENGINE BRAKE ALTERNATE PRESELECT WITH MODERATE DOWNSHIFT STRATEGY		
84N-004	FUEL SENSE 2.0 PLUS - DYNACTIVE: PERFORMANCE, NEUTRAL AT STOP: ACTIVE		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
84V-001	DIRECTION CHANGE ENABLED WITH MULTIPLEXED SERVICE BRAKES - ALLISON 5TH GEN TRANSMISSIONS		
85H-035	MAXIMUM OUTPUT SPEED FOR PTO OPERATION 900 RPM - ALLISON 5TH GEN TRANSMISSIONS		
85T-998	NO AMT HOLD MODE		
353-073	QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH CAP		
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
362-818	CUSTOMER INSTALLED CHELSEA 870 SERIES PTO		
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-078	HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK	15	
375-006	MERITOR MTC-4210 AND MTC-4213 TRANSFER CASE OIL COOLER	20	
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
373-047	MERITOR MTC 4210XL-EC 2-SPEED TRANSFER CASE	450	300



Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
376-008	TRANSFER CASE SHIFT CONTROLS IN DASH		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		
Front Axle and Equipment			
400-1CA	MERITOR MX-16-120 16,000# 1790MM KPI SINGLE FRONT DRIVE AXLE	1,310	510
398-430	4.30 FRONT AXLE RATIO		
389-079	MXL 16T MERITOR EXTENDED LUBE FRONT STEERING AXLE DRIVELINE WITH HALF ROUND YOKES		
402-086	MERITOR 16.5X6 Q+ MX DRIVE AXLE CAST SPIDER CAM FRONT BRAKES		
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-015	MERITOR CAST IRON FRONT BRAKE DRUMS		
427-001	FRONT BRAKE DUST SHIELDS		
409-010	FRONT GREASE SEAL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
406-001	STANDARD KING PIN BUSHINGS		
536-012	TRW TAS-85 POWER STEERING	40	
539-003	POWER STEERING PUMP		
534-003	4 QUART POWER STEERING RESERVOIR	5	
40T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		
Front Suspension			
620-026	16,000# TAPERLEAF FRONT SUSPENSION	200	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
Rear Axle and Equipment			
420-1K3	MERITOR MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE		2,500
421-433	4.33 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-074	MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	45	45
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		



Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
382-073	MXL 17T MERITOR EXTENDED LUBE INTERTRANSMISSION DRIVELINE WITH HALF ROUND YOKES		
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD- REAR AND REAR-REAR AXLE VALVE		
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
87B-024	INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH, ENGAGE AT SPEEDS 5 MPH OR LESS, DISENGAGE W/IGN OFF OR SPEEDS EXCEEDING 25 MPH		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-003	STANDARD BRAKE CHAMBER LOCATION		
451-001	CAST IRON OUTBOARD REAR BRAKE DRUMS		-20
425-002	REAR BRAKE DUST SHIELDS		10
440-006	REAR OIL SEALS		
426-101	WABCO TRISTOP D LONGSTROKE 2-DRIVE AXLE SPRING PARKING CHAMBERS		20
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
42T-001	STANDARD REAR AXLE BREATHER(S)		
Rear Suspension			
622-218	AIRLINER 40,000# EXTRA DUTY REAR SUSPENSION		180
621-007	AIRLINER HIGH POSITION RIDE HEIGHT		
431-005	RESTRAINED AXLE SEATS IN AXLE CLAMP GROUP		
624-025	55 INCH AXLE SPACING		
910-001	SINGLE AIR REAR SUSPENSION LEVELING VALVE		
623-002	TRANSVERSE CONTROL RODS		
439-005	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM) (AIR RIDE SUSPENSION)		
Pusher / Tag Equipment			
429-998	NO PUSHER/TAG BRAKE DUST SHIELDS		

Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
Brake System			
490-121	WABCO 4S/4M ABS WITH TRACTION CONTROL		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-086	BW AD-9SI BRAKE LINE AIR DRYER WITH HEATER		
479-015	AIR DRYER FRAME MOUNTED		
460-001	STEEL AIR BRAKE RESERVOIRS		
477-006	BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER ON ALL TANK(S)		
Trailer Connections			
481-998	NO TRAILER AIR HOSE		
476-998	NO AIR HOSE HANGER		
914-001	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS		
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		
303-025	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
310-998	NO TRAILER ELECTRICAL CABLE		
Wheelbase & Frame			
545-525	5250MM (207 INCH) WHEELBASE		
546-101	11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	340	-50
552-018	1625MM (64 INCH) REAR FRAME OVERHANG		
55W-006	FRAME OVERHANG RANGE: 61 INCH TO 70 INCH		
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 141.14 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 126.14 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 310.06 in		



Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 28.42 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 81.77 in		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 0.0 in		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		30
Chassis Equipment			
556-1E5	14 INCH PAINTED STEEL BUMPER		
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
585-998	NO MUDFLAP BRACKETS		
590-998	NO REAR MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
44Z-002	EXTERIOR HARNESES WRAPPED IN ABRASION TAPE		
Fifth Wheel			
578-998	NO FIFTH WHEEL		
Fuel Tanks			
204-034	80 GALLON/302 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	25	
218-005	RECTANGULAR FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1H3	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR	-5	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			

Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
093-2CC	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
094-17X	MICHELIN X MULTI D+ 11R22.5 16 PLY RADIAL REAR TIRES		120
Hubs			
418-015	MERITOR IRON FRONT HUBS		
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels			
502-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-28	
505-766	ALCOA ULA18X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-248
524-001	POLISHED FRONT WHEELS; OUTSIDE ONLY		
525-001	POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY		
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
Cab Exterior			
829-1A5	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
650-008	AIR CAB MOUNTING		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
667-004	FRONT FENDERS SET-BACK AXLE		
754-017	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10	
678-067	SAFETY YELLOW LH AND RH INTERIOR GRAB HANDLES AND LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT		
646-041	STATIONARY BLACK GRILLE		
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
652-001	FREIGHTLINER NAME PLATES		
690-017	HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION	5	
727-1AH	SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED		
726-002	DUAL ELECTRIC HORNS		
728-001	SINGLE HORN SHIELD		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		



Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
327-012	SWITCH, INDICATOR LIGHT AND WIRING FOR (2) CUSTOMER FURNISHED BEACONS		
312-068	HALOGEN COMPOSITE HEADLAMPS WITH BLACK BEZELS		
302-047	LED AERODYNAMIC MARKER LIGHTS		
314-823	WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH SINGLE CONNECTION AT LH FORWARD		
311-998	NO DAYTIME RUNNING LIGHTS		
294-1AY	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS		
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-103	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LED LIGHTS AND LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
729-001	STANDARD SIDE/REAR REFLECTORS		
764-018	AERO BRIGHT EXTERIOR SUN VISOR	10	
768-043	63X14 INCH TINTED REAR WINDOW		
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS		
769-002	LOWER RH DOOR WINDOW WITH FRESNEL LENS	7	
663-013	1-PIECE SOLAR GREEN GLASS WINDSHIELD		
659-007	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR		
647-001	WHITE WINTERFRONT	2	
Cab Interior			
055-019	RUGGED TRIM PACKAGE		
707-107	GRAY & CARBON VINYL INTERIOR "RUGGED"		
70K-020	CARBON WITH PREMIUM GUNMETAL ACCENT (RUGGED)		
706-013	MOLDED PLASTIC DOOR PANEL		
708-013	MOLDED PLASTIC DOOR PANEL		
772-006	BLACK MATS WITH SINGLE INSULATION		



Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
785-034	ASH CUP AND (1)LIGHTER, (1)12V POWER OUTLET, (1)DASH MTD DUAL USB-C OUTLET		
691-001	FORWARD ROOF MOUNTED CONSOLE		
696-012	CENTER STORAGE CONSOLE MOUNTED ON BACKWALL	20	
693-036	LH DOOR STORAGE POCKET		
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-029	M2/SD DASH		
720-003	5 LB. FIRE EXTINGUISHER	10	
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-001	STANDARD HVAC DUCTING		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-045	STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY		
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-034	PREMIUM INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-1B2	PREMIUM LED CAB LIGHTING		
787-998	NO SECURITY DEVICE		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
78G-006	KEY QUANTITY OF 6		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
740-998	NO MATTRESS	-20	-15
756-339	PREMIUM ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	70	
760-337	BASIC ISRINGHAUSEN HIGH BACK NON SUSPENSION TOOL BOX PASSENGER SEAT		
759-007	DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS	4	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-1AK	BLACK VINYL DRIVER SEAT COVER		
761-1AK	BLACK VINYL PASSENGER SEAT COVER		

Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
763-102	HIGH VISIBILITY ORANGE SEAT BELTS		
532-001	FIXED STEERING COLUMN		
540-070	4-SPOKE 18 INCH (450MM) LEATHER WRAPPED STEERING WHEEL WITH CHROME SWITCH BEZELS		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		
Instruments & Controls			
106-002	ELECTRONIC ACCELERATOR CONTROL		
732-998	NO INSTRUMENT PANEL-DRIVER		
734-022	FULLY CONFIGURABLE CENTER INSTRUMENT PANELS		
870-002	BRIGHT ARGENT FINISH GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE		
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
721-001	97 DB BACKUP ALARM		3
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY		
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-072	ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS		
48H-003	QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH CAPS		
48C-001	QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) BETWEEN SEATS WITH CAP		
163-014	ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		

Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99845
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

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852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE		
736-998	NO OBSTACLE DETECTION SYSTEM		
72J-998	NO DR ASSIST SYSTEM		
49B-998	NO VEHICLE STABILITY ADVISOR OR CONTROL		
73B-998	NO LANE DEPARTURE WARNING SYSTEM		
72K-998	NO REVERSE PROXIMITY SENSOR		
679-998	NO OVERHEAD INSTRUMENT PANEL		
35M-010	1 QUICKFIT PROGRAMABLE MODULE (QPM/XMC)	10	
746-143	7" B-PANEL INTERACTIVE TOUCHSCREEN DISPLAY RADIO W/ USB-C, APPLE CARPLAY, ANDROID AUTO, BLUETOOTH/AM/FM/SXM/WB, WITH MICROPHONE		
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-998	NO AM/FM RADIO ANTENNA		
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD		
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
75W-002	SHARKFIN MULTI-BAND ANTENNA: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, SDAR/SIRIUSXM, GNSS/GPS		
78C-003	INTEROPERABLE SDAR ANTENNA		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-001	ELECTRONIC 3000 RPM TACHOMETER		
813-1C8	DETROIT CONNECT PLATFORM HARDWARE		
8D1-313	3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE ON (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS ENGINES		

Application Version 12.0.009
 Data Version PRL-29D.019
 CY25 MatSuB 108 Stellar



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Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
8DE-998	NO ASE DATA SVCE EXTENSION		
RDE-998	NO EXTENSIONS		
6TS-005	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-113	FOUR EXTRA HARDWIRED SWITCHES IN DASH, ROUTE TO UNDER CAB, CAPPED		
4C1-005	HARDWIRE SWITCH #1,ON/OFF MOMENTARY, 20 AMPS IGNITION POWER		
4C2-005	HARDWIRE SWITCH #2,ON/OFF MOMENTARY, 20 AMPS IGNITION POWER		
4C3-005	HARDWIRE SWITCH #3,ON/OFF MOMENTARY, 20 AMPS IGNITION POWER		
4C4-005	HARDWIRE SWITCH #4,ON/OFF MOMENTARY, 20 AMPS IGNITION POWER		
264-030	(1) OVERHEAD MOUNTED LANYARD CONTROL FOR DRIVER AIR HORN		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		
298-046	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY		
87T-998	NO WRG/SW-OPTL #2,CHAS,AIR		
Design			
065-000	PAINT: ONE SOLID COLOR		
Color			
980-5F6	CAB COLOR A: L0006EY WHITE ELITE EY		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		



Prepared for:
 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

Data Code	Description	Weight Front	Weight Rear
964-6Z7	BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX		
963-003	STANDARD E COAT/UNDERCOATING		
Certification / Compliance			
996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
Secondary Factory Options			
998-032	CORPORATE PDI CENTER OPTION INSTALLATION/MODIFICATION ONLY		
999-063	DEALER ADVISED/ACCEPTS ESC ON END OF FRAME TOWING FOR TRACTOR FOR YARD HAUL USE		
Sales Programs			
PMY-3D5	SD QUOTE SALES PROGRAM		

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight*	9578 lbs	7218 lbs	16796 lbs
Dealer Installed Options	0 lbs	0 lbs	0 lbs
Total Weight*	9578 lbs	7218 lbs	16796 lbs

Extended Warranty

WAI-47H	CUM 2017 L9: HD1 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM EXTENDED WARRANTY. FEX APPLIES
WAX-101	CUM 2017 L9: AT3 MD DTY 5 YEARS / 100,000 MILES / 161,000 KM AFTERTREATMENT. FEX APPLIES
WBB-338	TC4: US HD STANDARD/MODERATE VOCATIONAL 5 YEARS/100,000 MILES/161,000 KM EXTENDED TRUCK COVERAGE
WAG-078	TOWING: 5 YEARS/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$750 CAP FEX APPLIES



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PALMER, AK 99645
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TRAILERCRAFT, INC.
222 W. 92ND AVE.
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Dealer Installed Options

		Weight Front	Weight Rear
001	BSI STELLAR HOOKLIFT	0	0
Total Dealer Installed Options		0 lbs	0 lbs

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



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MATANUSKA SUSITNA
BOROUGH
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PALMER, AK 99645
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TRAILERCRAFT, INC.
222 W. 92ND AVE.
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GVWR

VEHICLE SPECIFICATIONS SUMMARY - GVWR

Cab Size (829)	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs)	16000.0
Expected Pusher Axle(s) Load (lbs)	0.0
Expected Rear Axle(s) Load (lbs)	40000.0
Expected Tag Axle(s) Load (lbs)	0.0
Expected GVW (lbs)	56000
Expected GCW (lbs)	80000.0
Front Axle (400)	MERITOR MX-16-120 16,000# 1790MM KPI SINGLE FRONT DRIVE AXLE
Front Suspension (620)	16,000# TAPERLEAF FRONT SUSPENSION
Front Hubs (418)	MERITOR IRON FRONT HUBS
Front Disc Wheels (502)	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS
Front Tires (093)	MICHELIN XZU-S2 315/80R22.5 20 PLY RADIAL FRONT TIRES
Front Brakes (402)	MERITOR 16.5X6 Q+ MX DRIVE AXLE CAST SPIDER CAM FRONT BRAKES
Steering Gear (536)	TRW TAS-85 POWER STEERING
Rear Axle (420)	MERITOR MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE
Rear Suspension (622)	AIRLINER 40,000# EXTRA DUTY REAR SUSPENSION
Rear Hubs (450)	CONMET PRESET PLUS PREMIUM IRON REAR HUBS
Rear Disc Wheels (505)	ALCOA ULA18X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS
Rear Tires (094)	MICHELIN X MULTI D+ 11R22.5 16 PLY RADIAL REAR TIRES
Rear Brakes (423)	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Pusher / Tag Axle (443)	NO PUSHER OR TAG AXLE
Pusher / Tag Suspension (626)	NO PUSHER OR TAG SUSPENSION
Pusher / Tag Hubs (449)	NO PUSHER OR TAG HUBS
Dead/Pusher/Tag Disc Wheels (509)	NO PUSHER/TAG DISC WHEELS
Pusher / Tag Tires (095)	NO PUSHER/TAG TIRES
Pusher / Tag Brakes (456)	NO PUSHER/TAG BRAKES

TABLE SUMMARY - GVWR

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 Jeff Wojtacha
 MATANUSKA SUSITNA
 BOROUGH
 420 E INDUSTRIAL WAY
 PALMER, AK 99645
 Phone: 907-861-7775

Prepared by:
 Stephen Leo
 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
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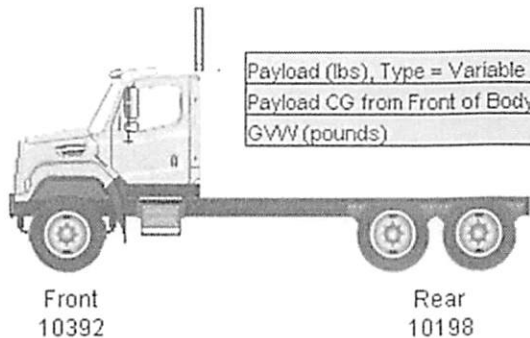
	Front	Rear 1	Rear 2
Axle Component Weight Ratings			
Axles	16000	20000	20000
Suspension	16000	20000	20000
Hubs	16000	26000	26000
Brakes	20000	21000	21000
Wheels	20000	29600	29600
Tires	20000	24020	24020
Power Steering	18000	N/A	N/A
GAWR (per axle)	16000	20000	20000
GAWR (per axle system)	16000		40000
Expected Load (per axle system)	16000		40000
GVWR due to Frame	90000		
GVWR due to Transmission	80000		
Vehicle GVWR Summary			
Calculated GVWR	56000		
Expected GVWR	56000		
All weights displayed in pounds			

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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Jeff Wojtacha
MATANUSKA SUSITNA
BOROUGH
420 E INDUSTRIAL WAY
PALMER, AK 99645
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TRAILERCRAFT, INC.
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TRUCK WEIGHT

	Payload (lbs), Type = Variable	0
	Payload CG from Front of Body (ft)	10.0
	GVW (pounds)	20590

VEHICLE SPECIFICATIONS SUMMARY - TRUCK WEIGHT

Cab Size (829)	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs)	16000.0
Expected Pusher Axle(s) Load (lbs)	0.0
Expected Rear Axle(s) Load (lbs)	40000.0
Expected Tag Axle(s) Load (lbs)	0.0
Expected GVW (lbs)	56000
Expected GCW (lbs)	80000.0
Wheelbase (545)	5250MM (207 INCH) WHEELBASE
Pusher / Tag Axle (443)	NO PUSHER OR TAG AXLE
Front Axle to Back of Cab (in)	65.551
Cab to Body Clearance (in)	15.0
Front Axle to Body (in)	80.551
Truck Configuration (AA3)	FLATBED/PLATFORM BODY WITH LIFT/PULL DEVICE/CRANE
Body Length (ft)	20.0
Body Weight (lbs)	2600.0
Body Horiz CG from Body Front (ft)	10.0
Body Front to Rear Axle(s) CL (ft)	10.51
Driver Weight (lbs)	500.0
Driver Horizontal CG from Front Axle (in)	44.302
Left-Hand Primary Fuel/Hydraulic Tank (204)	80 GALLON/302 LITER RECTANGULAR ALUMINUM FUEL TANK - LH
Left Fuel Tank Horizontal CG (in)	97.5795
Right-Hand Primary Fuel/Hydraulic Tank (206)	NO RH FUEL TANK
Right Fuel Tank Horizontal CG (in)	0

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 MATANUSKA SUSITNA
 BOROUGH
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 TRAILERCRAFT, INC.
 222 W. 92ND AVE.
 Anchorage, AK 99515
 Phone: 907-563-3238

TABLE SUMMARY - TRUCK WEIGHT

Item	Front(s)	Rear(s)	Total
Chassis Tare	9578	7218	16796
Fuel / Oil	344	350	694
Driver	393	107	500
Dealer Installed Options	0	0	0
Accessories Total	0	0	0
Body Tare	77	2523	2600
Truck Tare Weight	10392	10198	20590
Payload Total	0	0	0
Calculated Axle Loads	10392	10198	20590
Expected Axle Loads / GVW	16000	40000	80000
GAWR / GVWR	16000	40000	56000
Payload CG From Front of Body		10 feet	
Payload CG From Front Axle		16.7 feet	
Payload Distribution		Variable	
All weights displayed in pounds			

Item	Front(s)	Rear(s)	Total
Chassis Tare	9578	7218	16796
Fuel / Oil	344	350	694
Driver	393	107	500
Dealer Installed Options	0	0	0
Accessories Total	0	0	0
Body Tare	77	2523	2600
Truck Tare Weight	10392	10198	20590
Payload Total	0	0	0
Calculated Axle Loads	10392	10198	20590
Expected Axle Loads / GVW	16000	40000	80000
GAWR / GVWR	16000	40000	56000
Payload CG From Front of Body		10 feet	
Payload CG From Front Axle		16.7 feet	
Payload Distribution		Variable	
All weights displayed in pounds			

Prepared for:
Jeff Wojtacha
MATANUSKA SUSITNA
BOROUGH
420 E INDUSTRIAL WAY
PALMER, AK 99645
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TRAILERCRAFT, INC.
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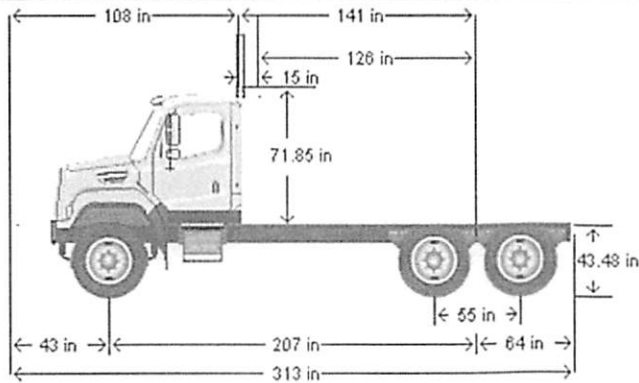
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 Jeff Wojtacha
 MATANUSKA SUSITNA
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 TRAILERCRAFT, INC.
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DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Wheelbase (545)	5250MM (207 INCH) WHEELBASE
Rear Frame Overhang (552)	1625MM (64 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in)	0
Slide Increment (in)	0
Desired Slide Position (in)	0.0
Cab Size (829)	108 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER/CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

TABLE SUMMARY - DIMENSIONS

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 Jeff Wojtacha
 MATANUSKA SUSITNA
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 420 E INDUSTRIAL WAY
 PALMER, AK 99645
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Dimensions	Inches
Bumper to Back of Cab (BBC)	108.3
Bumper to Centerline of Front Axle (BA)	42.7
Front Axle to Back of Cab (AC)	65.6
Min. Cab to Body Clearance (CB)	15.0
Back of Cab to Centerline of Rear Axle(s) (CA)	141.1
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	126.1
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	15.0
Back of Cab to End of Frame	205.1
Cab Height (CH)	71.9
Wheelbase (WB)	206.7
Frame Overhang (OH)	64.0
Overall Frame Length	310.1
Overall Length (OAL)	313.4
Rear Axle Spacing	55.0
Unladen Frame Height at Centerline of Rear Axle	43.5

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