



# **MBF Industries, Inc.**

*ENGINEERED FOR LIFE*

**IFB 2020-007**  
**Mobile Command Center**  
**Coral Gables Police Department**

March 16, 2020

Presented to:

Yusbel Gonzalez, CPPB  
Procurement Specialist  
Coral Gables  
305-460-5107  
[ygonzalez@coralgables.com](mailto:ygonzalez@coralgables.com)  
[contracts@coralgables.com](mailto:contracts@coralgables.com)

Bidder:

- Jim Long  
Vice President, Business Development  
MBF Industries, Inc.  
210 Tech Dr.  
Sanford, FL 32771  
407-323-9414 x114  
[Jim-Long@MBFIndustries.com](mailto:Jim-Long@MBFIndustries.com)

# CITY OF CORAL GABLES, FL

2800 SW 72<sup>nd</sup> Avenue, Miami, FL 33155  
 Finance Department / Procurement Division  
 Tel: 305-460-5102/ Fax: 305-261-1601

## BIDDER ACKNOWLEDGEMENT

<p><b>IFB Title: Mobile Command Center for the Coral Gables Police Department</b></p> <hr/> <p><b>IFB No. 2020-007</b></p> <p>A cone of silence is in effect with respect to this IFB. The Cone of Silence prohibits certain communication between potential vendors and the City. For further information, please refer to the City Code Section 2-1027 of the City of Coral Gables Procurement Code.</p>	<p><b>Electronic Bid response must be received prior to 2:00 p.m., Wednesday, March 25, 2020, via PublicPurchase and are to remain valid for 90 calendar days. Submittals received after the specified date and time will not be opened.</b></p> <p>Contact: Yusbel Gonzalez, CPPB                  Title: Procurement Specialist                  Telephone: 305-460-5107                  Email: <a href="mailto:ygonzalez@coralgables.com">ygonzalez@coralgables.com</a> / <a href="mailto:contracts@coralgables.com">contracts@coralgables.com</a></p>
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<p>Bidder Name: <b>MBF Industries, Inc.</b></p>	<p>FEIN or SS Number: <b>593126557</b></p>
<p>Complete Mailing Address: <b>210Tech Dr. Sanford, FL 32771</b></p>	<p>Telephone No. <b>407-323-9414</b></p> <p>Cellular No.</p>
<p>Indicate type of organization below:                  Corporation: <input checked="" type="checkbox"/> Partnership: <input type="checkbox"/> Individual: <input type="checkbox"/> Other: <input type="checkbox"/></p>	<p>Fax No.: <b>407-330-2068</b></p>
<p>Bid Bond / Security Bond (if applicable) <u>N/A</u>%</p>	<p>Email: <b>Jim-Long@MBFIndustries.com</b></p>

**ATTENTION: THIS FORM ALONG WITH ALL REQUIRED IFB FORMS MUST BE COMPLETED, SIGNED (PREFERABLY IN BLUE INK), AND SUBMITTED WITH THE BID PRIOR TO THE SUBMITTAL DEADLINE. FAILURE TO DO SO MAY DEEM YOUR BID NON-RESPONSIVE.**

THE BIDDER CERTIFIES THAT THIS SUBMITTAL IS BASED UPON ALL CONDITIONS AS LISTED IN THE IFB DOCUMENTS AND THAT THE BIDDER HAS MADE NO CHANGES IN THE IFB DOCUMENT AS RECEIVED. THE BIDDER FURTHER AGREES, IF THE BID IS ACCEPTED, THE BIDDER WILL EXECUTE AN APPROPRIATE AGREEMENT FOR THE PURPOSE OF ESTABLISHING A FORMAL CONTRACTUAL RELATIONSHIP BETWEEN THE BIDDER AND THE CITY OF CORAL GABLES, FOR THE PERFORMANCE OF ALL REQUIREMENTS TO WHICH THIS IFB PERTAINS. FURTHER, BY SIGNING BELOW PREFERABLY IN **BLUE INK** ALL IFB PAGES ARE ACKNOWLEDGED AND ACCEPTED, AS WELL AS, ANY SPECIAL INSTRUCTION SHEET(S), IF APPLICABLE. THE UNDERSIGNED HEREBY DECLARES (OR CERTIFIES) ACKNOWLEDGEMENT OF THESE REQUIREMENTS AND THAT HE/SHE IS AUTHORIZED TO BIND PERFORMANCE OF THIS IFB FOR THE ABOVE BIDDER.

<p><b>Jim Long</b> </p> <hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;"><i>Authorized Name and Signature</i></p>	<p><b>Vice President, Business Development</b></p> <hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;"><i>Title</i></p>
	<hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;"><i>Date</i></p>



# **MBF Industries, Inc.**

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# SOLICITATION SUBMISSION CHECKLIST

## Invitation for Bids (IFB) No 2020-007

COMPANY NAME: (Please Print): MBF Industries, Inc.

Phone: 407-323-9414

Email: Jim-Long@MBFIndustries.com

**A response package numbered by page must be submitted. Please provide the PAGE NUMBER of your solicitation response (PLEASE DO NOT SUBMIT AN ENTIRE COPY OF THE ORIGINAL SOLICITATION) in the blanks provided as to where compliance information is located in your Submittal for each of the required submittal items listed below:**

- 1) **Title Page:** Show the IFB number and title, the name of your firm, address, telephone number, name of contact person, e-mail address, and date. **PAGE #** 1
- 2) Provide a **Table of Contents** in accordance with the Bid Format, Section 6.2. Clearly identify the material by section and page number. Please ensure the following are properly identified on the following sections in the Bid Bid: Bond (if applicable), Bid Price Sheet and Addendum Acknowledgement. **PAGE #** 2
- 3) Fill out, sign, and submit the **Bidder's Acknowledgement Form**. **PAGE #** 3
- 4) Fill out and submit this **Solicitation Submission Checklist**. **PAGE #** 4
- 5) **Minimum Qualification Requirements:** submit detailed verifiable information affirmatively documenting compliance with the Minimum Qualifications Requirements shown in Section 3. **PAGE #** 5-8
- 6) List all contracts which the Bidder has performed (past and present) for the City of Coral Gables. **PAGE #** N/A
- 7) **Business Experience and References:** Provide a list and description of a minimum of three (3) similar municipal engagements satisfactorily performed in the past five (5) years. For each engagement listed, include the name, telephone number and email address of a representative for whom engagement was undertaken who can verify performance. Additionally, include the make and model of the units provided, awarded value of the contract, date of purchase, and pictures of completed units. *Note: Do not include work/services performed for the City of Coral Gables or City employees as references.* **PAGE #** 7
- 8) **Bid Price Form (IFB Section 7):** Complete and submit with bid. **PAGE #** 20 & 21
- 9) **Specifications Compliance Checklist (IFB Section 8):** Complete and submit with bid. **PAGE #** 22-33
- 10) **Specifications of the Unit Bid:** Submit the following documentation (as required in Section 4, paragraph 4.26 of the IFB): **PAGE #** 43-91
  - Product Information Sheets (such as manufacturer specifications, technical specifications, standard manufacturer information sheets, catalogues, and brochures).
  - Performance Tests of the unit offered.
  - Where the product bid is different in terms of quality, performance and/or design from the specifications set forth in the solicitation, include as part of the bid response, an official letter on corporate letterhead, clearly explaining the differences between the product specifically offered, and the specifications set in the solicitation.
- 11) Fill out, sign, notarize, and submit the **Contractor's Affidavit and Schedules A through H**. ✓



# **MBF Industries, Inc.**

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## **Vendor Qualifications Information**

MBF Industries, Inc  
210 Tech Dr.  
Sanford, FL 32771

### **Qualifications:**

- Sub Chapter S Corp.                      State of Florida
- FID# 593126557
- DUNS# 841048192
- CAGE# 1XFA5
- GSA# 30F-0022S
- AWS Certified
- CPARS

### **Capabilities:**

- 12-15 vehicles in production per month
- In-House Engineering & Integration
- In-House Engineering & Fabrication
- Single Source Manufacturer
- Mobile and Fixed Location Units
- Trucks, Trailers, SUV, Vans & Refurbishment
- Vehicle Specifications & Engineered Drawings
- A/V/C Specifications & Engineered Drawings

### **Warranty:**

- MBF Structural Body: **Lifetime/unlimited miles** (**Re-Mountable Body**)
- Body Components: 10 yr./unlimited miles
- MBF Conversion: 2 yr./Unlimited miles
- Chassis: By manufacturer

Submitted By:  
Jim Long  
Vice President, Business Development  
407-323-9414 x114  
[Jim-Long@MBFIndustries.com](mailto:Jim-Long@MBFIndustries.com)

Bond Number:

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned Principal and Surety are held and firmly bound unto

**City of Coral Gables, FL, 405 Biltmore Way, Coral Gables FL 33134**

As Obligee in the penal sum of – **Five Percent (5%)** – of the total amount bid, the payment of which the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

WHEREAS, the Principal has submitted a bid for

**IFB 2020-007; Mobile Command Center for the Coral Gables Police Department**

NOW THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, then this obligation shall be null and void, otherwise to remain in full force and effect. Provided, however, that if the Principal's bid would otherwise be declared non-responsive by the Obligee solely because the wording in this bond varies from that which is specified in the call for bids, then this document is hereby amended to include the wording so specified.

SIGNED, SEALED AND DATED THIS **1st** DAY OF **May**, 20**20**.

PRINCIPAL:

**MBF Industries, Inc.**

SURETY:

**Lexon Insurance Company**

By:



By:



**Gary T. Eastman, Attorney in Fact**



# POWER OF ATTORNEY

10059

KNOW ALL BY THESE PRESENTS, that **Endurance Assurance Corporation**, a Delaware corporation, **Endurance American Insurance Company**, a Delaware corporation, **Lexon Insurance Company**, a Texas corporation, and/or **Bond Safeguard Insurance Company**, a South Dakota corporation, each, a "Company" and collectively, "**Sompo International**," do hereby constitute and appoint: **Gary Eastman, Mike Lee** as true and lawful Attorney(s)-in-Fact to make, execute, seal, and deliver for, and on its behalf as surety or co-surety; bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking so made, executed and delivered shall obligate the Company for any portion of the penal sum thereof in excess of the sum of **TEN MILLION Dollars (\$10,000,000.00)**.

Such bonds and undertakings for said purposes, when duly executed by said attorney(s)-in-fact, shall be binding upon the Company as fully and to the same extent as if signed by the President of the Company under its corporate seal attested by its Corporate Secretary.

This appointment is made under and by authority of certain resolutions adopted by the sole shareholder of each Company by unanimous written consent effective the 15<sup>th</sup> day of June, 2019, a copy of which appears below under the heading entitled "Certificate".

This Power of Attorney is signed and sealed by facsimile under and by authority of the following resolution adopted by the sole shareholder of each Company by unanimous written consent effective the 15<sup>th</sup> day of June, 2019 and said resolution has not since been revoked, amended or repealed:

RESOLVED, that the signature of an individual named above and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signature or seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, each Company has caused this instrument to be signed by the following officers, and its corporate seal to be affixed this 15<sup>th</sup> day of June, 2019.

**Endurance Assurance Corporation**  
By: *Richard Appel*  
Richard Appel, SVP & Senior Counsel



**Endurance American Insurance Company**  
By: *Richard Appel*  
Richard Appel, SVP & Senior Counsel



**Lexon Insurance Company**  
By: *Richard Appel*  
Richard Appel, SVP & Senior Counsel



**Bond Safeguard Insurance Company**  
By: *Richard Appel*  
Richard Appel, SVP & Senior Counsel



### ACKNOWLEDGEMENT

On this 15<sup>th</sup> day of June, 2019, before me, personally came the above signatories known to me, who being duly sworn, did depose and say that he/she is an officer of each of the Companies; and that he executed said instrument on behalf of each Company by authority of his office under the by-laws of each Company.

By: *Amy Taylor*  
Amy Taylor, Notary Public - My Commission Expires 5/9/23



### CERTIFICATE

I, the undersigned Officer of each Company, DO HEREBY CERTIFY that:

1. That the original power of attorney of which the foregoing is a copy was duly executed on behalf of each Company and has not since been revoked, amended or modified; that the undersigned has compared the foregoing copy thereof with the original power of attorney, and that the same is a true and correct copy of the original power of attorney and of the whole thereof;
2. The following are resolutions which were adopted by the sole shareholder of each Company by unanimous written consent effective June 15, 2019 and said resolutions have not since been revoked, amended or modified:

"RESOLVED, that each of the individuals named below is authorized to make, execute, seal and deliver for and on behalf of the Company any and all bonds, undertakings or obligations in surety or co-surety with others: **RICHARD M. APPEL, BRIAN J. BEGGS, CHRISTOPHER DONELAN, SHARON L. SIMS, CHRISTOPHER L. SPARRO, MARIANNE L. WILBERT**

; and be it further

RESOLVED, that each of the individuals named above is authorized to appoint attorneys-in-fact for the purpose of making, executing, sealing and delivering bonds, undertakings or obligations in surety or co-surety for and on behalf of the Company."

3. The undersigned further certifies that the above resolutions are true and correct copies of the resolutions as so recorded and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal this 15<sup>th</sup> day of May 20 20.

By: *Daniel S. Lene*  
Daniel S. Lene, Secretary

### NOTICE: U. S. TREASURY DEPARTMENT'S OFFICE OF FOREIGN ASSETS CONTROL (OFAC)

No coverage is provided by this Notice nor can it be construed to replace any provisions of any surety bond or other surety coverage provided. This Notice provides information concerning possible impact on your surety coverage due to directives issued by OFAC. Please read this Notice carefully.

The Office of Foreign Assets Control (OFAC) administers and enforces sanctions policy, based on Presidential declarations of "national emergency". OFAC has identified and listed numerous foreign agents, front organizations, terrorists, terrorist organizations, and narcotics traffickers as "Specially Designated Nationals and Blocked Persons". This list can be located on the United States Treasury's website - <https://www.treasury.gov/resource-center/sanctions/SDN-List>.

In accordance with OFAC regulations, if it is determined that you or any other person or entity claiming the benefits of any coverage has violated U.S. sanctions law or is a Specially Designated National and Blocked Person, as identified by OFAC, any coverage will be considered a blocked or frozen contract and all provisions of any coverage provided are immediately subject to OFAC. When a surety bond or other form of surety coverage is considered to be such a blocked or frozen contract, no payments nor premium refunds may be made without authorization from OFAC. Other limitations on the premiums and payments may also apply.

Any reproductions are void.

Surety Claims Submission: [LexonClaimAdministration@sompo-intl.com](mailto:LexonClaimAdministration@sompo-intl.com)

Telephone: 615-553-9500 Mailing Address: Sompo International; 12890 Lebanon Road; Mount Juliet, TN 37122-2870



## ORLANDO FREIGHTLINER, INC.

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2455 S. Orange Blossom Trail • Apopka, Florida 32703  
Office: (407) 295-3846 • Toll Free: 1-800-741-3846 • Fax: (407) 291-8408 • Parts: (407) 299-3434

Re: MBF Industries Inc.

January 29<sup>th</sup> 2015

To whom it may concern.

This letter shall serve as certification that MBF Industries Inc. 210 Tech Drive, Sanford FL 32771 is an audited, approved, certified manufacturer and custom body builder utilizing Freightliner chassis for both domestic and export markets.

Certification Data Code: AF3-2F5

Yours truly

A handwritten signature in cursive script that reads "Eamon Kealy".

Eamon Kealy

Sales Manager





# **MBF Industries, Inc.**

407-323-9414

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MBFIndustries.com

## References



**Osceola County Sheriff's Office, Scott Koffinas – Awarded 11/23/18**

[skof@osceola.cor](mailto:skof@osceola.cor)

2611 E. Irlo Bronson Memorial Hwy

Kissimmee, FL 34744

407-248-1100

Public Safety / Mobile Command Center



**Tampa Police Department, Felix Bello – Awarded 4/23/18**

[Felix.Bello@tampagov.net](mailto:Felix.Bello@tampagov.net)

306 E Jackson Street, Floor 7

Tampa, FL 33602

813-276-3220

Mobile Command Center



**Port of Houston Authority, Colin Rizzo – Awarded 6/21/16**

[crizzo@poha.com](mailto:crizzo@poha.com); 713-670-3636

111 East Loop North, Houston, TX 77029

Mobile Command Vehicle



**Horry County, Randall Webster - Awarded 1/11/16**

[WebsterR@HorryCounty.org](mailto:WebsterR@HorryCounty.org); 843-915-5150

1301 Second Avenue, Conway, SC 29526

Mobile Command Vehicle



**SEMINOLE COUNTY BUSINESS TAX RECEIPT**

JOEL M. GREENBERG, SEMINOLE COUNTY TAX COLLECTOR  
PO BOX 630, SANFORD, FL 32772 • 407-665-1000  
WWW.SEMINOLECOUNTY.TAX

**VALID THROUGH 09/30/20**

**MBF INDUSTRIES INC**  
210 TECH DR  
SANFORD, FL 32771

**Account #: 139883**

JIM SABOFF (OFFICER)

REGULATED  
License # - MV54046

**\*\*SANFORD CITY LICENSE REQUIRED \*\***

**Receipt #: 10292019082704841**

**Amount Paid: \$ 45.00**

**Date Paid: 08/27/2019**

**BUSINESS OWNER, PLEASE NOTE THE FOLLOWING:**

• **DISPLAY THE ABOVE RECEIPT PROMINENTLY:** This Business Tax Receipt shall be displayed conspicuously at the place of business in such a manner that it can be open to the view of the public and subject to inspection by all duly authorized officers of the County. Upon failure to do so the business shall be subject to the payment of another business tax for the same business or profession.

• **RENEW THIS TAX BEFORE IT EXPIRES:** Pursuant to Florida Statutes, all Business Tax Receipts shall be issued by the Tax Collector beginning July 1st of each year, and it shall expire on September 30th of the succeeding year. Those Business Tax Receipts issued as renewal accounts beginning October 1st shall be delinquent and subject to a delinquency penalty of 10% for the month of October, plus an additional 5% penalty for each month of delinquency thereafter until paid; provided that the total penalty shall not exceed 25% of the business tax for the delinquent establishment (Florida Statute [FS] 205.053 [1]).

A 25% penalty shall be imposed on any individual engaged in any new business or profession without first obtaining a Seminole County Business Tax receipt ([FS] 205.053 [2]).

This Business Tax Receipt is only a receipt for business taxes paid. It does not permit the taxpayer to violate any existing regulatory or zoning laws of the state, county, or municipality, nor does it exempt the taxpayer from any other required licenses, registrations, certifications, or permits. Business Tax requirements are subject to legislative change.

**REPORT ALL CHANGES:** The holder of this Business Tax Receipt is required to report a change in the following: Ownership, Business Location, Mailing Address, or any other information that would alter the status of the current year's information. This includes, but is not limited to, the loss of or a change in a State or Regulatory License which was used to qualify for the business identified on the current County Business Tax Receipt. If you have any changes to report, contact the Business Tax Department at 407-665-7636.

**RECEIVED AUG 30 2019**

**MBF INDUSTRIES INC**  
210 TECH DR  
SANFORD, FL 32771



**CITY OF SANFORD**  
 Building Division - Licensing  
 PO Box 1788, Sanford, FL 32772-1788

**2020**

**LOCAL BUSINESS TAX RECEIPT**  
 VALID THROUGH SEPTEMBER 30, 2020

MBF INDUSTRIES INC  
 210 TECH DR

SANFORD FL 32771

This receipt is a local business tax only. It does not permit the local business taxpayer to violate any existing zoning or regulatory laws of the state or county, nor does it exempt the business taxpayer from any other license or permits required by law.

**Issue Date:** 10/01/2019                      **BTR #:** BTR19-016383  
**Business Location:** 210 TECH DR

<b>Classification</b>	<b>Amount</b>
Fire Inspection Fee	75.00
Automobile Truck, Tractor, Motorcycle, Mobile Home Dealer	150.00
Manufacturers	100.00
Repair Shops	100.00
<b>TOTAL:</b>	<b>425.00</b>

**Comments:**  
 Restrictions: INDOOR ONLY MANUFACTURER OF SPECIALTY VEHICLES

**SEMINOLE COUNTY TAX RECEIPT REQUIRED**  
**ORIGINAL TAX RECEIPT MUST BE DISPLAYED ON PREMISES**





# **MBF Industries, Inc.**

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## **Technical Staff Employed at MBF**

### **MBF Sales & Design**

- Jim Long (7 years)
- Andy Grose (5 years)

### **MBF Proposal & Project Engineering**

- John Kremer (11 years)
- John Lambert (9 years)
- Cody Pierce (3 years)

### **MBF Project Engineering**

- Cody Pierce (3 years)
- Tim Deboef (1 year)
- Justin Palmer (under 1 year)
- Daniel Arjona (under 1 year)

### **MBF Senior Project Engineering**

- Glen Johnston (27 years)
- Craig Tidd (25 years)

### **MBF Electrical Engineering**

- Shane Newman (10 years)

### **MBF Network Engineering & Integration**

- Joe Bungart (5 years)
- Johann Bravo
- Shawn Epperson

Submitted By:

Jim Long

Vice President, Business Development

407-323-9414 x114

[MBFIndustries.com](http://MBFIndustries.com)

[Jim-Long@MBFIndustries.com](mailto:Jim-Long@MBFIndustries.com)

# CERTIFICATE OF ACHIEVEMENT

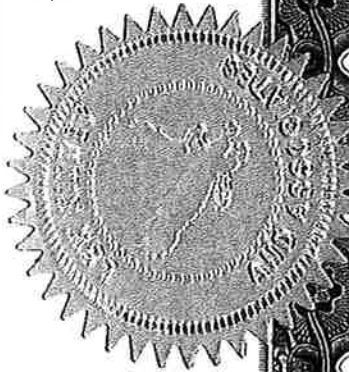
THIS IS TO CERTIFY THAT

**Dean Feller**

HAS SUCCESSFULLY CERTIFIED TO  
AWS D1.1 STRUCTURAL STEEL WELDING CODE-GMAW  
BY LEW KINNEY & ASSOCIATES

**Welding Training & Certification**

AND IS HEREBY AWARDED THIS CERTIFICATE OF ACHIEVEMENT  
ON THIS 5 TH DAY OF SEPTEMBER, 2013



  
TECHNICAL INSTRUCTOR

# CERTIFICATE OF ACHIEVEMENT

THIS IS TO CERTIFY THAT

## Dean Feller

HAS SUCCESSFULLY CERTIFIED TO  
AWS D1.2 STRUCTURAL WELDING CODE-ALUMINUM GMAW  
BY LEW KINNEY & ASSOCIATES

### Welding Training & Certification

AND IS HEREBY AWARDED THIS CERTIFICATE OF ACHIEVEMENT  
ON THIS 5 TH DAY OF SEPTEMBER, 2013



*Lew Kinney*  
TECHNICAL INSTRUCTOR

# CERTIFICATE OF ACHIEVEMENT

THIS IS TO CERTIFY THAT

**Nathan Crumb**

HAS SUCCESSFULLY CERTIFIED TO  
AWS D1.2 STRUCTURAL WELDING CODE-ALUMINUM GMAW  
BY LEW KINNEY & ASSOCIATES

**Welding Training & Certification**

AND IS HEREBY AWARDED THIS CERTIFICATE OF ACHIEVEMENT  
ON THIS 5<sup>TH</sup> DAY OF SEPTEMBER, 2013



*Lew Kinney*  
TECHNICAL INSTRUCTOR



# CERTIFICATE OF ACHIEVEMENT

THIS IS TO CERTIFY THAT

**Robert Gay**

HAS SUCCESSFULLY CERTIFIED TO  
AWS D1.2 STRUCTURAL WELDING CODE-ALUMINUM GMAW  
BY LEW KINNEY & ASSOCIATES

**Welding Training & Certification**

AND IS HEREBY AWARDED THIS CERTIFICATE OF ACHIEVEMENT  
ON THIS 5 TH DAY OF SEPTEMBER, 2013



*Lew Kinney*  
TECHNICAL INSTRUCTOR

# CERTIFICATE OF ACHIEVEMENT

THIS IS TO CERTIFY THAT

**Humberto Herrera**

HAS SUCCESSFULLY CERTIFIED TO  
AWS D1.2 STRUCTURAL WELDING CODE-ALUMINUM GMAW  
BY LEW KINNEY & ASSOCIATES

**Welding Training & Certification**

AND IS HEREBY AWARDED THIS CERTIFICATE OF ACHIEVEMENT  
ON THIS 5 TH DAY OF SEPTEMBER, 2013



*Lew Kinney*  
TECHNICAL INSTRUCTOR

# CERTIFICATE OF ACHIEVEMENT

THIS IS TO CERTIFY THAT

**Jared Lukas**

HAS SUCCESSFULLY CERTIFIED TO  
AWS D1.2 STRUCTURAL WELDING CODE-ALUMINUM GMAW  
BY LEW KINNEY & ASSOCIATES

**Welding Training & Certification**

AND IS HEREBY AWARDED THIS CERTIFICATE OF ACHIEVEMENT  
ON THIS 5 TH DAY OF SEPTEMBER, 2013



*Lew Kinney*  
TECHNICAL INSTRUCTOR

# CERTIFICATE OF ACHIEVEMENT

THIS IS TO CERTIFY THAT

**Joe Washburn**

HAS SUCCESSFULLY CERTIFIED TO  
AWS D1.2 STRUCTURAL WELDING CODE-ALUMINUM GMAW  
BY LEW KINNEY & ASSOCIATES

**Welding Training & Certification**

AND IS HEREBY AWARDED THIS CERTIFICATE OF ACHIEVEMENT  
ON THIS 5 TH DAY OF SEPTEMBER, 2013



*Leah Kinney*  
TECHNICAL INSTRUCTOR

# SECTION 7

## REVISED

### Invitation for Bids (IFB) No 2020-007

#### 7.0: BID PRICING

---

Bidder shall provide pricing as outlined on the pricing form, and as described in the Scope of Work of this IFB. Pricing submitted in any other format will not be accepted or considered.

Bids should be typed or printed, preferably, in blue ink prior to **uploading to PublicPurchase**. All corrections to prices made by the Bidder **must be initialed**.

Award of bid will be made to the lowest responsive responsible bidder who bids on all items and whose bid offers the lowest total price when all items are added in the aggregate. Bidders must bid on all items. Failure to do so may deem your bid non-responsive.

The City reserves the right to add or delete any item/service, at any time. Should the City determine to add an additional related item/service for which pricing was not previously secured; the City shall seek the Successful Bidder to provide reasonable cost(s) for same. Should the City determine the pricing unreasonable, the City reserves the right to negotiate cost(s) or seek another vendor for the provision of said service(s).

Estimated quantities are provided for your guidance only. No guarantee is expressed or implied as to actual quantities that will be purchased during the contract period. The City is not obligated to place an order for any given amount subsequent to the award of this contract. Said estimates may be used by the City for purposes of determining the low bidder or most advantageous bidder meeting specifications. The City reserves the right to acquire additional quantities at the prices bid.

Pricing submitted may not contain price escalations of any kind.


Item	Description	Quantity	Unit of Measure	Unit Price	Extended Amount (Quantity x Unit Price)
1	Mobile Command Center Manufacturer: <u>MBF</u> Model No: <u>Mobile Command</u>	1	Each	\$1,129,207.89	\$1,129,207.89
<b>TOTAL</b>					<b>\$ 1,129,207.89</b>

**Calendar days, from receipt of Purchase Order, for delivery of goods: 330 Days (refer to Section 4, paragraph 4.31).**

Note: Unit Prices shall be F.O.B. Destination (refer to Section 4, paragraph 4.30). Unit prices shall include, but not be limited to, full compensation for labor, any and all equipment used, travel and related expenses and any and all other costs to the Bidder. The City will not pay and/or reimburse any additional costs including, but not limited to, travel, mileage, lodging, meals, and other travel and subsistence expenses.

**ADDITIONAL / OPTIONAL SERVICES: MANUFACTURER EXTENDED WARRANTY FOR VEHICLE CHASSIS AND CAB**

Attach Manufacturer Extended Warranty purchase options for the Vehicle Chassis specified in IFB Section 2. Attachment shall include extended coverage time period, pricing, and levels of coverage. Note that this pricing is optional and will not be included in the determination of the lowest total price.

Authorized Signature:  Title: **Vice President, Business Development**  
Print/Type Name: **Jim Long** Phone: **407-323-9414**  
E-mail: **Jim-Long@MBFIndustries.com** Fax: **407-330-2068**  
Firm Name: **MBF Industries, Inc.** F.E.I.N. No: **593126557**  
Address: **210 Tech Dr.** City **Sanford** State: **FL**

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF THE BIDDER TO BE BOUND BY THE TERMS OF ITS BID. FAILURE TO SIGN THIS BID PRICE FORM WHERE INDICATED ABOVE BY AN AUTHORIZED REPRESENTATIVE OR PROVIDE THE FORM AS PRESENTED MAY RENDER THE BIDDER NON-RESPONSIVE.

# SECTION 8 **REVISED**

## Invitation for Bids (IFB) No 2020-007

### 8.0 SPECIFICATIONS COMPLIANCE CHECKLIST

8.1 For each item listed below, please indicate whether the product bid meets or exceeds the specific requirement. In accordance with IFB Section 4, paragraph 4.26, for any items marked "No", include as part of the bid response, an official letter on corporate letterhead, clearly explaining the differences between the product specifically offered, and the specifications set in the solicitation.

Specification Section	Requirements	Yes	No																						
<b>2.2 VEHICLE CHASSIS DESIGN AND CONFIGURATION REQUIREMENTS</b>																									
The Vehicle shall meet the following design and configuration requirements:																									
<b>2.2.1 Vehicle Chassis</b>	The Vehicle chassis shall be a new and untitled, Freightliner Chassis, M2-112, 410HP Cummins Turbo Diesel, Allison Transmission, 56,000 GVWR ( <b>NO SUBSTITUTION</b> ). Vehicle shall meet Title 49, US Code Chapter 301, FMVSS 209, Part 571, SAE J2422, REV 3: Crash Avoidance, Worthiness and Post-Crash Standards. At time of bid, Bidder shall provide manufacturer documentation demonstrating compliance with this standard.	<b>Meets</b>																							
<b>2.2.2 Chassis Cab Configuration</b>	<p>The Vehicle's Day Cab shall have air suspension driver and passenger seats. The Vehicle Chassis shall meet the following dimensions:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Description</th> <th style="text-align: left;">Dimension</th> </tr> </thead> <tbody> <tr> <td>Wheel Base</td> <td>Maximum 320"</td> </tr> <tr> <td>Overall Vehicle Length</td> <td>Maximum 42' 9"</td> </tr> <tr> <td>Exterior Cab Length</td> <td>Maximum 112"</td> </tr> <tr> <td>Body Length</td> <td>Maximum 32' 5"</td> </tr> <tr> <td>Overall Height</td> <td>Maximum 13'</td> </tr> <tr> <td>Body Width</td> <td>Maximum 102"</td> </tr> <tr> <td>Interior Body Usable Width</td> <td>Minimum 96"</td> </tr> <tr> <td>Fuel Capacity</td> <td>Minimum 160 gal</td> </tr> <tr> <td>Wheel Size</td> <td>22"</td> </tr> <tr> <td>Rear Axle</td> <td>Tandem</td> </tr> </tbody> </table>	Description	Dimension	Wheel Base	Maximum 320"	Overall Vehicle Length	Maximum 42' 9"	Exterior Cab Length	Maximum 112"	Body Length	Maximum 32' 5"	Overall Height	Maximum 13'	Body Width	Maximum 102"	Interior Body Usable Width	Minimum 96"	Fuel Capacity	Minimum 160 gal	Wheel Size	22"	Rear Axle	Tandem	<b>Meets</b>	
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Wheel Base	Maximum 320"																								
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<b>2.2.3 Chassis Cab Additions</b>	<p>The Vehicle shall be equipped with the following:</p> <ul style="list-style-type: none"> <li>• Aero Dynamic wind faring</li> <li>• Custom fabricated cab radio console</li> <li>• Set of heavy duty mud flaps</li> <li>• Custom Lap-Top Mount for Panasonic CF-33 Toughbook ("NO SUBSTITUTION")</li> <li>• Single air horn mounted under cab</li> </ul>	<b>Meets</b>																							
<b>2.2.4 Chassis Cab Paint and Graphics</b>	Exterior paint will be urethane paint with a two (2) year warranty. Color and graphics shall be determined post award.	<b>Meets</b>																							

Specification Section	Requirements	Yes	No
<b>2.3 VEHICLE BODY DESIGN AND CONFIGURATION REQUIREMENTS</b>			
The Vehicle's body shall meet the following design and configuration requirements:			
<p style="text-align: center;"><b>2.3.1 Re-Mountable Body</b></p>	<p>The Vehicle's Body shall be an all-aluminum Re-Mountable Body, fabricated as one unit and built independently of the chassis. It shall be designed structurally to allow mounting as a shell unit and further constructed in a manner to allow the completed body to be remounted to a new chassis, should it be required.</p> <p>The modular re-mountable aluminum body shall be fabricated as a stand-alone unit and designed and built to allow the body to be mounted independently to the chassis. A UHMW Ultra-High Molecular Weight Polyethylene dissimilar metals barriers shall be placed between the aluminum body and steel chassis frame. Spacers will vary in depth depending upon the overall vehicle design height requirements. Once mounted the body shall be secured with hardened steel "U" bolts and torque tightened to mounting specifications.</p>	<b>Meets</b>	
<p style="text-align: center;"><b>2.3.2 Body and Skirt Fabrication</b></p>	<p>The structures shall be all-aluminum modular bodies and manufactured utilizing an all-aluminum 5052-H32 alloy construction to ensure long-term durability, corrosion resistance and strength. The frame of the body shall be manufactured using 2" x 2" x 0.125" aluminum tube, with exception to the floor section which will be 2.50" x 3" x 0.349" 'I' Beams. All structural tubing to be welded together utilizing aluminum extrusions at roof line and corners. Roof line extrusions shall incorporate a drip rail. Upright structural tubes will be spaced no more than 16" on center for maximum strength. The under-floor supports shall be 6" 'I' Beams dependent upon vehicle chassis. All structural members are to be welded for maximum strength. Side body walls shall be fabricated with a single sheet of 0.125" aluminum, without vertical seams.</p>	<b>Meets</b>	
<p style="text-align: center;"><b>2.3.3 Construction Method</b></p>	<p><b>2.3.3.1 Body Walls</b> shall be constructed of 2" x 2" x 0.125" (6063-T52) aluminum tubing. Aluminum tubing shall not exceed 16" on center. Exterior body skin shall be 0.125" thick aluminum sheeting, providing maximum strength and damage resistance from everyday use. Exterior skin shall be bonded to the welded structure using a method of attachment that yields a seamless exterior surface; glues or liquid chemical bonding shall not be used. No rivets will be utilized in the attaching of the exterior skin to the structural frame. Structural frame will be reinforced by welded aluminum plates where necessary. All-aluminum door frame extrusions shall be welded into the structure.</p>	<b>Meets</b>	
	<p><b>2.3.3.2 Body Floor</b> shall be constructed utilizing 3" I-Beam AL 6061-T6 on 12" centers. The underside of the floor assembly shall be sealed utilizing a minimum of .050 aluminum sheeting as a water intrusion barrier. The outer skin of the body will be 0.125" aluminum sheet for maximum strength and resistance to damage from normal use. The 0.125" outer skin shall be bonded to the welded structural frame using a method of attachment which yields a clean exterior surface. No glue or liquid chemical bonding shall be used. No rivets will be utilized to attach the outer skin to the structural frame. The structural frame shall be reinforced where necessary by welding in aluminum plates, tubes and sections. All door frames must be welded into the structural frame. Walls shall be fabricated with a single sheets of aluminum, without vertical seams.</p>	<b>Meets</b>	



Specification Section	Requirements	Yes	No
<b>2.3.4 Plywood and Hardwood Utilization</b>	Only NAUF (No Added Urea Formaldehyde) plywood shall be acceptable.	Meets	
<b>2.3.5 Rear Angle of Departure</b>	Bidder shall maximize the rear departure angle in accordance with the manufacturer's design criteria.	Meets	
<b>2.3.6 Roof</b>	Body Roof shall be constructed utilizing 2" x 2" x.125 6063-T52AL tubing on 12" centers/.125 thread plate taped. Roof constructed on 16" centers with less than 2" x 2" columns shall not be acceptable. The roof will be manufactured in 0.125" 3003-H22 aluminum tread plate, continuously welded to roof perimeter extrusions and capable of supporting the weight of personnel, equipment, camera tripods, cable, etc.  Standard roof construction method will utilize heavy duty frame construction that allows you to fully occupy the roof with personnel without added structures or improved roof supports. Safety handrails will be installed.	Meets	
<b>2.3.7 Warranty</b>	A lifetime warranty must be provided on the structural integrity of the re-mountable all aluminum body.	Meets	
<b>2.3.8 Expandable Section</b>	Three (3) Slide Outs will be provided. One (1) rear street side and two (2) forward. Expandable body sections shall be installed as per mutually approved drawings by the City and the Bidder. The slide out sections will have reinforced structural support for the sidewall opening. The slide out section walls and roof shall be fabricated from 2" X 2" X 0.125" aluminum tube and 0.125" aluminum exterior skin. The interior of the expandable section will be finished with the same materials used in the main portion of the body.	Meets	
<b>2.3.9 Water and Seals</b>	Water proof rubber seals shall be attached to the slide out floor, roof and sides and overlap with corresponding water seals attached to the floor, roof and side walls of the body frame when in the closed position. The slide out exterior wall will be fabricated to nest into a recessed wall frame structure when in the closed position.	Meets	
<b>2.3.10 Expandable Section Mounting</b>	The expandable section will be supported from 4" steel "I" beam hanger system with 3" roller bearings and heavy-duty arms roof mounted. Floor mounting is not acceptable.	Meets	
<b>2.3.11 Slide Out Cable Management</b>	The slide out cable management chain way system is to be designed into the slide out overhead support mechanism. Chain way: Multi-link expandable cable management track allows the entire wiring harness to move in and out as the slide out is deployed without bending of wires, which prevents wire breakage from bending movements.	Meets	
<b>2.4 VEHICLE CAB AND BODY EXTERIOR COMPONENTS</b>			
The following exterior components shall be <b>installed</b> on the Vehicle Cab and Body:			
<b>2.4.1 Awning</b>	Three (3) color coordinated electric awnings, two (2) curbside and one (1) street side.	Meets	
<b>2.4.2 LCD Back Up Camera</b>	One (1) cab mounted monitor and rear-view camera system.	Meets	
<b>2.4.3 Side View Cameras</b>	One (1) curbside and one (1) street side camera, tied to the LED Back up monitor at the drivers' location.	Meets	
<b>2.4.4 Stabilizing Jacks</b>	A set of four (4) stabilizing jacks. These jacks will be attached to the chassis frame rails with grade 8 fasteners. Each of the jacks will have a rating of 25,000 pounds. They will be adjustable from 0" to 20" and will be electronically self-leveling.	Meets	

Specification Section	Requirements	Yes	No
<b>2.4.5 Roof Access Ladder</b>	One (1) roof ladder, fabricated as 1" X 2" X 1/8" wall aluminum tubing. Ladder rungs to be 2" x 1.062 x .125 mill finished and finished per above listed paint specifications. The ladder will be lockable and restricted so as not to allow unauthorized access	Meets	
<b>2.4.6 Emergency Lights</b>	<ul style="list-style-type: none"> <li>• Six (6) Whelen Combo LED Emergency/Scene lights model# M9V2</li> <li>• Eight (8) Whelen LED 3" x 7" emergency lights</li> <li>• Two (2) Whelen 3"x7" LED scene lights</li> <li>• Two (2) Whelen LED grill lights</li> <li>• One (1) Siren w/light control</li> <li>• Two (2) Speaker 100w</li> <li>• One (1) set LED tail, turn &amp; marker lights</li> <li>• One (1) LED Whelen Custom Duo Tri Color Legacy light bar mounted on an antenna platform with Carbide APM Control Module with Control Control Head</li> <li>• One (1) green roof mounted command strobe light</li> <li>• Eight (8) underbody ground lights</li> </ul>	Meets	
<b>2.4.7 Air Conditioning Units</b>	Six (6) Coleman Roughneck, <b>OR EQUAL</b> , 15,000 BTU roof mounted A/C units with 5,600 BTU heat strips, with a ducted drop ceiling. The ducting shall be configured to sufficiently cool the Electronic Racks with forced air.	Meets	
<b>2.4.8 Entry Steps and Handrail</b>	The curbside entry door shall have a fold out step which shall fold below floor level in the compartment and fold down for deployment with attachable handrails fabricated of 1 1/4" diameter Mill finish, .125 wall thickness pipe with couplings and safety pin. Fabricated with NFPA tread-plate and LED safety lights. Designed to support up to 500 lbs.	Meets	
<b>2.4.9 Exterior Compartment Slide Out Tray</b>	Two (2) all aluminum slide-out trays shall be included in the curbside exterior compartment.	Meets	
<b>2.4.10 Rear Bumper</b>	One (1) full body width bumper shall be custom fabricated with a 9" x 3" steel frame and 1/8" diamond plate tread-plate facing and shall extend beyond the body 10" for protection and shall not be flush mounted.	Meets	
<b>2.4.11 Rear Hitch</b>	One (1) Class V hitch shall be welded to the frame of the vehicle. All trailer electrical hook ups shall be located in the bumper or the body of the vehicle.	Meets	
<b>2.4.12 Rub Rails</b>	Curbside and street side marine grade aluminum rub rails.	Meets	
<b>2.4.13 Drip Rails</b>	Aluminum drip rails over all compartment and entry doors.	Meets	
<b>2.4.14 Exterior Workstation</b>	Two (2) exterior workstations with a removable stainless-steel shelf, 42" LED monitor and compartment, data, phone and electrical connections. One (1) removable white board on the street side of the vehicle. Specific location to be determined post award.	Meets	
<b>2.4.15 Rear License Plate Provision</b>	Provisions shall be provided for mounting of the license plate and tag light.	Meets	
<b>2.4.16 Windows</b>	All door and side body windows shall be tinted and include black out covers.	Meets	
<b>2.4.17 Mast System</b>	One (1) 56ft and one (1) 48' Hilo mast system with mast heads, compressor and 1.25" nycoil.	Meets	

Specification Section	Requirements	Yes	No
<b>2.4.18 Mast Cameras</b>	Two (2) 360° all weather camera shall be installed. Final configuration shall be determined during the Vehicle manufacturing and production period. <ul style="list-style-type: none"> <li>• High definition 1080i/720p.</li> <li>• 16:9 widescreen format.</li> <li>• 0.05° preset repeatability accuracy.</li> <li>• P2P antenna in a motorize Pole that tilts and rotates 360 degrees.</li> <li>• 20 or 30X optical zoom lens.</li> <li>• Hydrophilic "self-cleaning" glass window.</li> <li>• Wide Dynamic Range (WDR) and DeFog modes</li> <li>• Electronic Image Stabilization mode</li> </ul>	<b>Meets</b>	
<b>2.4.19 I/O Panel</b>	An Input/output (I/O) panel on the curbside vehicle body. This panel shall be protected with a weather proof door that latches and locks in two positions, one fully closed and the other partially open to provide protection for the land lines.	<b>Meets</b>	
<b>2.4.20 Exterior Electrical Outlets</b>	Five (5) 120VAC GFCI duplex outlets with weatherproof covers on the exterior of the body, two (2) street side, two (2) curbside and one (1) at the rear of the vehicle.	<b>Meets</b>	
<b>2.4.21 Auto Eject/Night Service</b>	An Auto Eject 3-pin 30 amp 120 volt pin and sleeve contact shore power assembly, cover, and plug shall be installed. The 12-volt unit shall eject the shore power cord away from vehicle path upon sensing engine start; after ejection, the weatherproof cover snaps into position over inlet. The unit shall have a waterproof sculpted cover with no sharp edges and back enclosure with watertight cable fittings, which protect mechanism from road contamination. The unit shall sequence energizing of the Auto Eject, eliminating terminal arching when connecting and disconnecting power cord.	<b>Meets</b>	
<b>2.4.22 Winegard TRAV'LER Direct TV</b>	One (1) Winegard TRAV'LER antenna with two (2) HD-SAT RX Direct TV satellite Receivers.	<b>Meets</b>	
<b>2.4.23 SAT System</b>	One (1) Freedom flyaway .75 dish system. W/ Carbon fiber tripod, Carbon fiber dish reflectors, Carbon fiber smart boom, Buc, Modem, Dc voltage supply for Hughes modem, Spare parts kit, Stakes and rock bag, Android smart phone with app, 220w/h Battery, Solar panel, Skb 3i-2015, W/1 year warranty.  The system must be capable of 10 Mbps download and 5 Mbps upload. It must be able to provide an internet gateway for our mobile network to reach the communications center.  Service must support 5 concurrent voice calls inbound/outbound including phone number and service plan for 1 year. Must include 4 InReach Mini Garmin Communicators.	<b>Meets</b>	
<b>2.4.24 Amplified TV Antenna</b>	One (1) HD-8000 off air TV antenna shall be provided for local stations.	<b>Meets</b>	
<b>2.4.25 Antenna Rail</b>	One (1) roof mounted 2"X3" aluminum antenna rails with side access for antenna mounts.	<b>Meets</b>	
<b>2.4.26 Antenna/Light Bar Plantform</b>	One (1) custom fabricated aluminum forward mounted antenna/light bar platform.	<b>Meets</b>	

Specification Section	Requirements	Yes	No
<b>2.4.27 Dome Security Camera</b>	One (1) exterior dome cameras on the vehicle body at body entry door. One (1) ONSSI 8 TB NVR, <b>OR EQUAL</b> , recorder shall be included.	<b>Meets</b>	
<b>2.4.28 Command Light</b>	One (1) Knight Series, <b>OR EQUAL</b> , LED 6 pack with remote lift and lower capabilities and back light option. Tested up to 90 MPH winds. NFPA 1901 Compliant. All weather conditions and a 5-year warranty.	<b>Meets</b>	
<b>2.4.29 Vehicle Undercoating</b>	Dual Purpose Rustproofing Compound (Black)	<b>Meets</b>	
<b>2.5 VEHICLE BODY EXTERIOR COMPARTMENTS AND DOOR SPECIFICATIONS</b>			
The Vehicle must be equipped with the below listed storage compartments. Vehicle doors shall meet the specifications outlined below.			
<b>2.5.1 Curbside</b>	2.5.1.1 Double door storage compartment (forward) 2.5.1.2 Double door storage compartment with two (2) pull-out trays 2.5.1.3 Single flip-down door for entry/exit steps 2.5.1.4 Double door storage compartment (aft) 2.5.1.5 Single flip-up door Input/Output ("I/O") panel access 2.5.1.6 Single flip-down door for standing access to the back of equipment racks 2.5.1.7 Single flip-up door for access to the back of the equipment racks 2.5.1.8 Single flip-up door for exterior LED monitor	<b>Meets</b>	
<b>2.5.2 Street Side</b>	2.5.2.1 Single door storage compartment (forward) 2.5.2.2 Single door battery compartment 2.5.2.3 Single door storage compartment (aft) 2.5.2.4 Double door generator compartment 2.5.2.5 Double door shore power and mast controls compartment 2.5.2.6 Single flip-up door for exterior workstation.	<b>Meets</b>	
<b>2.5.3 Storage Compartment Specifications</b>	All storage compartments shall be manufactured in 0.125" welded aluminum tread plate for maximum strength, durability and corrosion resistance. The compartments shall be fabricated from 0.125" aluminum sheet and be "Sweep out" design with 2" framed doors with double seals.	<b>Meets</b>	
<b>2.5.4 All Entry and Storage Compartment Door Specifications</b>	All doors will be manufactured of 0.125" aluminum extrusions and 0.125" aluminum plate continuously welded and structured with 0.125" 2"x2" square tubing. Personnel entry doors will be insulated with a minimum of 2" sprayed urethane foam. The doors will incorporate automotive quality door closers and anti-bust locks.  The doorjamb extrusion shall be welded to the body wall structure. Two striker pins shall be installed in each entry doorjamb. A Tri-Mark all metal Chrome paddle handle shall be installed inside and out. The handles, latches and striker pins must pass Federal Motor Vehicle Safety Standards ("FMVSS") 206 and comply with FMVSS 302.	<b>Meets</b>	
	<b>2.5.4.1 Gaskets</b> Passenger and compartment door gaskets shall be bulb typed, designed to match the doorjamb extrusions, and shall be extruded with material to satisfy ambient temperature extremes. There shall be no interruptions in the gasket for door locks, latches or hinges. Gaskets shall be miter cut at the corners and sealed with "3M" weather strip adhesive.	<b>Meets</b>	
	<b>2.5.4.2 Hinges</b> All exterior hinges used for entry and compartment doors shall be stainless steel, continuous, w/3" open dimension and a 1/4" diameter hinge pin. Hinge mounting holes shall be slotted to allow door adjustment in two planes. Holes shall be drilled and tapped in door and jamb extrusions to accept truss head style machine screws (stainless steel).	<b>Meets</b>	

Specification Section	Requirements	Yes	No
<b>2.6 VEHICLE BODY INTERIOR FINISHES</b>			
The Vehicle Body interior finishes shall be as follows:			
<b>2.6.1 Insulation Walls and Ceiling</b>	The vehicle body will be completely insulated with a minimum of 2" CFC-free urethane foam sprayed insulation factor of not less than R-14. All gaps and penetrations within the floor, ceiling and walls will be sealed using a 50-year sealant.	<b>Meets</b>	
<b>2.6.2 Floor</b>	All seams and screw holes will be filled with 3M Bondo, OR EQUAL, and sanded smooth. The floor will be covered with commercial grade heavy duty vinyl flooring in a color to be decided during the Vehicle manufacturing and production period.	<b>Meets</b>	
<b>2.6.3 Floor Insulation</b>	Spray foam insulation shall be applied between the body frame support structures and covered on the interior with ¾" plywood and the finished flooring. Sheet aluminum shall be installed below the body structure and chassis frame rails to seal the insulated area.	<b>Meets</b>	
<b>2.6.4 Walls</b>	Walls and ceiling to be ½" furniture grade plywood screwed to the aluminum wall structure. The walls will be finished with 26 oz. carpet in a color to be decided.	<b>Meets</b>	
<b>2.6.5 Interior Partition Walls</b>	Interior partition walls shall be constructed out of aluminum tubing covered in plywood and wall finish. Bulkhead walls without a pocket door shall be 2' x 2" x 1/8" and with pocket doors shall be a combination of 1" x 4" x 1/8" and 1" x 1" x 1/8". Wood interior partition walls shall not be acceptable.	<b>Meets</b>	
<b>2.6.6 Cabinet Construction</b>	Interior cabinets and bench seating shall be constructed of ¾" thick furniture grade plywood. Cabinets shall be glued and screwed together. All cabinet interiors shall be finished with a white laminate cabinet liner. Cabinet exteriors shall be finished in "Formica" or equal 0.040" laminate in a color to be determined. Latches shall be flush mount Southco lever latches (positive latching). Overhead cabinet doors shall be covered with whiteboard.	<b>Meets</b>	
<b>2.6.7 Cabinets and Workstations</b>	Storage cabinets and workstations shall be installed per mutually approved drawings between the City and the Bidder during the Vehicle manufacturing and production period. Overhead storage cabinets shall be installed above the base cabinets.	<b>Meets</b>	
<b>2.6.8 Drawer Construction</b>	All sides, fronts and bottoms shall be fabricated from ½" Finish Grade Plywood. The drawers shall be glued, nailed and constructed with rabbet joints to eliminate drawer separation.	<b>Meets</b>	
<b>2.6.9 Interior Security</b>	Positive lock closures for securing all drawers, tables, TV, chairs, doors, or other items within the interior of the unit shall be installed.	<b>Meets</b>	
<b>2.6.10 Counter Tops</b>	All work surfaces, conference tables and counter tops shall be Avonite, OR EQUAL, medical grade hard-surface with a 16-hour stain resistance. Color to be determined.	<b>Meets</b>	
<b>2.7 VEHICLE BODY INTERIOR LIGHTING AND OUTLETS</b>			
The Vehicle Body interior lighting and outlets shall be as follows:			
<b>2.7.1 Interior LED Lighting</b>	RED/WHITE Flush mounted 8" round LED lights shall be installed throughout the vehicle. These lights shall be switched at the electrical Control Panel and operate from the 12 VDC system and not require the generator or shore power.	<b>Meets</b>	
<b>2.7.2 Under Cabinet Lighting</b>	RED/WHITE LED lights shall be mounted at the overhead cabinets for each workstation.	<b>Meets</b>	
<b>2.7.3 Outlets</b>	The Bidder shall maximize 120VAC duplex outlet locations at all workstations conference areas. Exact locations to be determined during the Vehicle manufacturing and production period.	<b>Meets</b>	

Specification Section	Requirements	Yes	No
<b>2.8 VEHICLE BODY INTERIOR COMPONENTS</b>			
The following interior components shall be <i>installed/included</i> in the Vehicle Body:			
<b>2.8</b>  <b>VEHICLE BODY INTERIOR COMPONENTS</b>	<ul style="list-style-type: none"> <li>• One (1) wall mounted 57" Mondopad, <b>OR EQUAL</b></li> <li>• One (1) 7-person conference table with center data trough and seven (7) roll around chairs.</li> <li>• One (1) curbside slide-out with three (3) tinted windows and 2 wall mounted 32" LED monitors</li> <li>• One (1) countertop with access to the rear of Input/Output ("I/O") panel and a V-Mux controller, <b>OR EQUAL</b>.</li> <li>• One (1) divider wall with windowed pocket door</li> <li>• One (1) street side wall mounted whiteboard</li> <li>• One street side slide-out with three (3) tinted windows</li> <li>• CAT6A wiring during the Vehicle manufacturing and production period.</li> <li>• Phone wiring per specifications paragraph 2.10.13 of this section.</li> <li>• All high voltage and low voltage wiring per National Electric Code (NEC) NEC.</li> <li>• One (1) curbside entry/exit door</li> <li>• One (1) wall mounted fire extinguisher</li> <li>• One (1) curbside workstation with a roll around chair</li> <li>• One (1) City provided Xerox Workstation</li> <li>• Wall mounted tie-down straps for the printer</li> <li>• One (1) divider wall with windowed pocket door</li> <li>• One (1) curbside galley with three (3) base cabinets and drawers, coffee maker, microwave, full size refrigerator and an overhead cabinet</li> <li>• One (1) event clock</li> <li>• Three (3) curbside 40RU Mid-Atlantic, <b>OR EQUAL</b>, equipment racks with ducted A/C.</li> <li>• Two (2) seated workstations with two (2) roll around chairs, two (2) 27" LED monitors, overhead cabinetry, two (2) pencil drawers and a whiteboard at the rear wall.</li> <li>• Three (3) street side in-slide-out seated workstations with three (3) roll around chairs, three (3) 32" LED monitors, overhead cabinetry, three (3) pencil drawers and windows at both ends of the slide-out.</li> <li>• One (1) 32" LED monitor on the forward divider wall.</li> <li>• A full size RV style stainless steel refrigerator.</li> <li>• Three (3) five (5) pound ABC fire extinguishers strategically placed throughout the vehicle.</li> <li>• A set of three (3) reflective safety triangles</li> <li>• Operator and repair manuals.</li> <li>• One (1) Dell Latitude 5490 attached to the Mondopad, <b>OR EQUAL</b>, in the Conference section.</li> </ul>	<b>Meets</b>	

Specification Section	Requirements	Yes	No
<b>2.9 VEHICLE CAB AND BODY ELECTRICAL AND POWER SYSTEMS</b>			
The Vehicle's electrical and power systems shall meet the following requirements and configurations:			
<b>2.9.1 Multiplex Electrical System</b>	One (1) solid state integrated multiplex electronic system provided for control of designated vehicle components, increased diagnostic capabilities and programmable functionality. System shall include one (1) cab and one (1) interior body mounted control panel. Control system are to include monitoring of the following: Entrance doors, compartment doors, slide outs, stabilizer jacks, exterior lights, emergency lights, chassis component monitoring and 12-volt lighting system. Must be Society of Automotive Engineers (SAE), National Fire Protection Association (NFPA), National Marine Electronics Association (NMEA) and Recreational Vehicle Industry Association (RVIA) approved.	Meets	
<b>2.9.2 12 Volt DC Wiring</b>	Proper wire sizes shall be determined for each circuit. All 12 VDC wiring shall be color coded and routed through split loom cable covers.	Meets	
<b>2.9.3 Battery System</b>	The vehicle shall be equipped with a dual battery system. The vehicle starting battery is discussed in the chassis portion of these specifications. The auxiliary battery selected to support the conversion load shall be a group 8-D AGM with a rating of 1450 CCA and 245 Amp hours.	Meets	
<b>2.9.4 Battery Paralleling – Battery Boost – Emergency Start Switch</b>	A dash-controlled system shall be provided to parallel the main and auxiliary batteries for increased engine cranking capability. The jump switch shall be located at the driver's position.	Meets	
<b>2.9.5 Power Converter</b>	One (1) 120 VAC to 12 VDC power converter shall be provided to support the 12 VDC electrical load and charge the batteries during generator or shore power operation. The minimum rating for the converter shall be 80 Amps.	Meets	
<b>2.9.6 120 Volt AC Wiring</b>	Wire sizes shall be determined for each circuit with a minimum of 14 Ga. wires used in the vehicle. All 120 VAC wiring shall be routed through cable raceways. All wiring shall be installed in accordance with the National Electric Code.	Meets	
<b>2.9.7 Generator</b>	2.9.7.1 One (1) 30KW 120/240VAC 60Hz water-cooled Kubota, <b>OR EQUAL</b> , diesel powered generator shall be provided. The entire compartment will be sound proofed to attenuate noise to the maximum degree possible.	Meets	
	2.9.7.2 Block and Pan Heater - The generator shall be equipped with engine block and oil pan heaters.	Meets	
	2.9.7.3 Shut Down System - The generator shall be equipped with sensors that will activate the generator shut down system on low oil pressure and high-water temperature.	Meets	
	2.9.7.4 Remote Start - The generator shall include a remote Start/Stop Preheat switch and hour meter located in the vehicle power distribution panel.	Meets	
	2.9.7.5 Fuel Supply - Fuel supply for the generator shall be from the chassis fuel tank. The system shall be designed and installed so as to leave a minimum of ten gallons of fuel in the tank when the generator runs out fuel.	Meets	
<b>2.9.8 Power Distribution Panel</b>	The Power Distribution Panel shall consist of an anodized aluminum panel equipped with appropriately sized Heinemann, OR EQUAL, circuit breakers for both 120 VAC and 12 VDC applications. A power transfer switch shall be located in the panel for selection of either generator power or shore power. The panel shall also contain meters for monitoring voltage, amperage and frequency. There shall be an audible over-voltage alarm in the panel to sense and warn of high voltage output from the generator.	Meets	

Addendum No. 4

IFB 2020-007 Mobile Command Center for the Coral Gables Police Department

Specification Section	Requirements	Yes	No
<b>2.10 VEHICLE CAB AND BODY COMMUNICATION EQUIPMENT AND CONFIGURATION REQUIREMENTS</b>			
The Vehicle's communication equipment must meet the outlined requirements below and shall be configured as specified.			
<b>2.10.1</b>	During the pre-wire phase, the Bidder will install all necessary wiring and cables for satellite, phone, data, audio, video, intercom, radios and types of systems per the agreed specifications.	<b>Meets</b>	
<b>2.10.2</b>	Any mast head mounted equipment or devices shall be installed and reviewed by the Bidder in advance to insure appropriate Nycoil utilization.	<b>Meets</b>	
<b>2.10.3</b>	The Bidder shall provide cable access points in the vehicle's body for future cable runs.	<b>Meets</b>	
<b>2.10.4 Communications Wiring</b>	Recessed power supply and A/V/C shall be provided at the conference table. Location to be determined post award.	<b>Meets</b>	
<b>2.10.5 Communication Equipment Rack</b>	The equipment racks (2) shall be Mid-Atlantic specifically designed to give a universal mounting platform for all standard-sized 19" rack mountable devices with a 300 lb. weight capacity. The standard height of these racks are 40RU (rack units) or 70 inches and able to meet most major manufacturers' specifications for mounting requirements with CAT6A cable throughout the vehicle for communication cables. In addition to the front access, the body of the vehicle will have exterior access doors with LED lights to service the equipment rack. The rack depth shall be 30 inches. The rack(s) will have air duct vent on top in order to provide ample forced air ventilation. All metal fixtures within the body and cab shall be electrically bonded in accordance with Military Standard MIL-STD-188-124B.	<b>Meets</b>	
<b>2.10.6 Roof Mounted Antennas</b>	Antenna rails on the roof shall be the access point to communicate via Radio Frequency ("RF") patch panel with the radios. Antenna positions to be determined during the Vehicle manufacturing and production period and designated for the Vehicle design requirements.	<b>Meets</b>	
<b>2.10.7 Wire Chase</b>	Wire and cable raceway shall be provided overhead for easy access. Interior ceiling access points shall be provided in the drop ceiling for accessing and running future cables.	<b>Meets</b>	
<b>2.10.8 Patch Panel</b>	One (1) Panduit or equivalent patch panel shall be provided as required per equipment. Bidder will provision an outdoor rated Patch panel with CAT6A and Multi-Mode and Single-Mode ("MM/SM") fiber. The patch panel will be connected to another patch panel in one of the equipment racks. Patch panel will have a minimum of 12 CAT6A ports, 4 Pairs of MM and 4 Pairs of SM fiber.	<b>Meets</b>	
<b>2.10.9 Individual Work Station Connections</b>	Each workstation shall be provided with wall mounted data, phone and electrical connections. Each station will be provisioned with a monitor and a computer (Dell Optiplex 3060 MFF, NO SUBSTITUTION). Specific requirements & locations to be determined.	<b>Meets</b>	
<b>2.10.10 Mondopad</b>	An InFocus® 57" HD Mondopad™, <b>OR EQUAL</b> , with built-in Windows PC. Capable of digital interactive whiteboard and document annotation, video conferencing and full copy of Windows Office.	<b>Meets</b>	
<b>2.10.11 Cellular Service</b>	Dual carrier cradle point router and data plan for one (1) year including roof mounted cellular signal enhancer antenna.	<b>Meets</b>	



Specification Section	Requirements	Yes	No																																																																												
<b>2.10.12 Radios and Antennas</b>	The following Communications equipment, must be installed and configured by the Bidder. Exact location shall be determined post award. <b>NO SUBSTITUTION allowed on the below listed equipment.</b>	<b>Meets</b>																																																																													
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<b>2.10.14 Switching and Security</b>	A Cisco L3 OR EQUAL services license and Checkpoint firewall appliance with total security license.	<b>Meets</b>																																																																			
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<b>2.11.1 Alarms</b>	The vehicle will be provisioned with two (2) hardwired smoke and CO detectors.	<b>Meets</b>																																																																			
<b>2.11.2 Interlock</b>	All entry doors, bunker storage doors, generator compartment doors, shore power input compartment door, stabilization jacks, awnings, satellite dishes, slide outs and any other external compartments shall be wired to an interlock system. This interlock will activate when any of the connected devices are in the deployed position and will sound an alarm until they are put into their stowed position.	<b>Meets</b>																																																																			
<b>2.12 TRAINING</b>																																																																					
	Bidder agrees to provide operator training to City staff. The training will be provided by a competent trainer for activities to take place within the City of Coral Gables. Training will be provided at no additional cost to the City. Bidder maintains liability for trainer during the training phase. Training plan shall include but not limited to: 1. General operations. 2. Safety practices. 3. Pre/Post trip inspections. 4. Maintenance requirements.	<b>Meets</b>																																																																			

# **SECTION 9**

## **Invitation for Bids (IFB) No 2020-007**

### **9.0 IFB RESPONSE FORMS:**

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#### **9.1 Contractor's Affidavit - along with Schedules A through H as follows:**

- A - Certificate of Bidder
- B - Non Collusion Affidavit
- C - Drug Free Statement
- D - Bidders Qualification Statement
- E - Code of Ethics, Conflict of Interest, Cone of Silence
- F - Americans with Disabilities Act (ADA)
- G - Public Entity Crimes
- H - Acknowledgement of Addenda

**BIDDER'S AFFIDAVIT**


**SOLICITATION:** IFB 2020-007 MOBILE COMMAND CENTER FOR THE CORAL GABLES POLICE DEPARTMENT

**SUBMITTED TO:** City of Coral Gables  
Procurement Division  
2800 SW 72 Avenue  
Miami, Florida 33155

The undersigned acknowledges and understands the information contained in response to this solicitation and the referenced Schedules A through H shall be relied upon by Owner awarding the contract and such information is warranted by the Bidder to be true and correct. The discovery of any omission or misstatements that materially affects the Bidder's ability to perform under the contract shall be cause for the City to reject the solicitation submittal, and if necessary, terminate the award and/or contract. I further certify that the undersigned name(s) and official signatures of those persons are authorized as *(Owner, Partner, Officer, Representative or Agent of the bidder that has submitted the attached response)*. Schedules A through H are subject to Local, State and Federal laws (as applicable); both criminal and civil.

- SCHEDULE A – STATEMENT OF CERTIFICATION
- SCHEDULE B – NON-COLLUSION AND CONTINGENT FEE AFFIDAVIT
- SCHEDULE C – DRUG-FREE STATEMENT
- SCHEDULE D – BIDDER'S QUALIFICATION STATEMENT
- SCHEDULE E – CODE OF ETHICS, CONFLICT OF INTEREST, AND CONE OF SILENCE
- SCHEDULE F – AMERICANS WITH DISABILITIES ACT (ADA)
- SCHEDULE G – PUBLIC ENTITY CRIMES
- SCHEDULE H – ACKNOWLEDGEMENT OF ADDENDA

This affidavit is to be furnished to the City of Coral Gables with its solicitation response. It is to be filled in, executed by the bidder and notarized. If the response is made by a Corporation, then it should be executed by its Chief Officer. This document MUST be submitted with the solicitation response.

<b>Jim Long</b>		<b>Vice President, Business Development 3/20/20</b>
<i>Authorized Name and Signature</i>	<i>Title</i>	<i>Date</i>

STATE OF Florida

COUNTY OF Seminole

On this 20th day of March, 2020, before me the undersigned Notary Public of the State of Florida, personally appeared Jim Long  
(Name(s) of individual(s) who appeared before Notary

And whose name(s) is/are subscribes to within the instrument(s), and acknowledges it's execution.

Natasha Aya  
NOTARY PUBLIC, STATE OF Florida

Natasha Aya  
(Name of notary Public; Print, Stamp or Type as Commissioned.)



**NATASHA AYA**  
Commission # GG 912960  
Expires September 15, 2023  
Bonded Thru Budget Notary Services

NOTARY PUBLIC  
SEAL OF OFFICE:

Personally know to me, or Produced Identification:

known to me  
(Type of Identification Produced)

**SCHEDULE "A" - CITY OF CORAL GABLES – STATEMENT OF CERTIFICATION**

Neither I, nor the company, hereby represented has:

- a. employed or retained for a commission, percentage brokerage, contingent fee, or other consideration, any company or person (other than a bona fide employee working solely for me or the company) to solicit or secure this contract.
- b. agreed, as an express or implied condition for obtaining this contract, to employ or retain the services of any company or person in connection with carrying out the contract, or
- c. paid, or agreed to pay, to any company, organization or person (other than a bona fide employee working solely for me or the company) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the contract except as here expressly stated (if any):

**SCHEDULE "B" - CITY OF CORAL GABLES - NON-COLLUSION AND CONTINGENT FEE AFFIDAVIT**

1. He/she is the \_\_\_\_\_  
(Owner, Partner, Officer, Representative or Agent)

of the bidder that has submitted the attached bid response.

- 2. He/she is fully informed with respect to the preparation and contents of the attached bid response and of all pertinent circumstances respecting such response;
- 3. Said response is made without any connection or common interest in the profits with any other persons making any response to this solicitation. Said response is on our part in all respects fair and without collusion or fraud. No head of any department, any employee or any officer of the City of Coral Gables is directly or indirectly interested therein. If any relatives of bidder's officers or employees are employed by the City, indicate name and relationship below.

Name: \_\_\_\_\_ Relationship: \_\_\_\_\_

Name: \_\_\_\_\_ Relationship: \_\_\_\_\_

- 4. No lobbyist or other bidder is to be paid on a contingent or percentage fee basis in connection with the award of this Contract.

**SCHEDULE "C" CITY OF CORAL GABLES – VENDOR DRUG-FREE STATEMENT**

Preference may be given to bidders submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991. The special condition is as follows:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under solicitation a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under solicitation, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section. As the person authorized to sign the statement, I certify that this form complies fully with the above requirements.

The company submitting this solicitation has established a Drug Free work place program in accordance with State Statute 287.087

**SCHEDULE "D" CITY OF CORAL GABLES – BIDDER'S QUALIFICATION STATEMENT**

The undersigned declares the truth and correctness of all statements and all answers to questions made hereinafter:

**GENERAL COMPANY INFORMATION:**

Company Name: MBF Industries, Inc.

Address: 210 Tech Dr. Sanford FL 32771  
Street City State Zip Code

Telephone No: (407) 323-9414 Fax No: (407) 330-2068 Email: Jim-Long@MBFIndustries.com

How many years has your company been in business under its present name? 28 Years

If company is operating under Fictitious Name, submit evidence of compliance with Florida Fictitious Name Statute:

\_\_\_\_\_

Under what former names has your company operated? : \_\_\_\_\_

At what address was that company located? \_\_\_\_\_

Is your Company Certified? Yes X No \_\_\_ If Yes, **ATTACH COPY** of Certification.

Is your Company Licensed? Yes X No \_\_\_ If Yes, **ATTACH COPY** of License

Has your company or its senior officers ever declared bankruptcy?

Yes \_\_\_\_\_ No X If yes, explain: \_\_\_\_\_

**LEGAL INFORMATION:**

Please identify each incident **within the last five (5) years** where a civil, criminal, administrative, other similar proceeding was filed or is pending, if such proceeding arises from or is a dispute concerning the bidder's rights, remedies or duties under a contract for the same or similar type services to be provided under this solicitation (**A response is required. If applicable please indicate "none" or list specific information related to this question. Please be mindful that responses provided for this question will be independently verified**):

None

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Has your company ever been debarred or suspended from doing business with any government entity?

Yes \_\_\_ No X If Yes, explain \_\_\_\_\_

\_\_\_\_\_



**SCHEDULE "E" CITY OF CORAL GABLES – CODE OF ETHICS, CONFLICT OF INTEREST, AND CONE OF SILENCE**

THESE SECTIONS OF THE CITY CODE CAN BE FOUND ON THE CITY'S WEBSITE, UNDER GOVERNMENT, CITY DEPARTMENT, PROCUREMENT, PROCUREMENT CODE (CITY CODE CHAPTER 2 ARTICLE VIII); SEC 2-1023; SEC 2-606; AND SEC 2-1027, RESPECTIVELY.

IT IS HEREBY ACKNOWLEDGED THAT THE ABOVE NOTED SECTIONS OF THE CITY OF CORAL GABLES CITY CODE ARE TO BE ADHERED TO PURSUANT TO THIS SOLICITATION.

**SCHEDULE "F" CITY OF CORAL GABLES - AMERICANS WITH DISABILITIES ACT (ADA) DISABILITY NONDISCRIMINATION STATEMENT**

I understand that the above named firm, corporation or organization is in compliance with and agreed to continue to comply with, and assure that any sub-contractor, or third party contractor under this project complies with all applicable requirements of the laws listed below including, but not limited to, those provisions pertaining to employment, provision of programs and service, transportation, communications, access to facilities, renovations, and new construction.

The American with Disabilities Act of 1990 (ADA), Pub. L. 101-336, 104 Stat 327, 42 U.S.C. 12101,12213 and 47 U.S.C. Sections 225 and 661 including Title I, Employment; Title 11, Public Services; Title III, Public Accommodations and Services Operated by Private Entities; Title IV, Telecommunications; and Title V, Miscellaneous Provisions.

The Florida Americans with Disabilities Accessibility Implementation Act of 1993, Sections 5553.501-553.513, Florida Statutes

The Rehabilitation Act of 1973, 229 U.S.C. Section 794

The Federal Transit Act, as amended, 49 U.S.C. Section 1612

The Fair Housing Act as amended, 42 U.S.C. Section 3601-3631

**SCHEDULE "G" CITY OF CORAL GABLES - STATEMENT PURSUANT TO SECTION 287.133 (3) (a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES**

1. I understand that a "public entity crime" as define in Paragraph 287.133(1)(g), **Florida Statutes**, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any Proposal or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
2. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), **Florida Statutes**, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.

3. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), **Florida Statutes**, means:
1. A predecessor or successor of a person convicted of a public entity crime; or 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
4. I understand that a "person" as defined in Paragraph 287.133(1)(e), **Florida Statutes**, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which Proposals or applies to Proposal on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
5. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **[Must indicate which statement below applies.]**

Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list.

**[Attach a copy of the final order]**

**I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.**

**SCHEDULE "H" CITY OF CORAL GABLES - ACKNOWLEDGEMENT OF ADDENDA**

1. The undersigned agrees, if this bid response is accepted, to enter in a Contract with the CITY to perform and furnish all work as specified or indicated in the solicitation, any associated addendum and Contract Documents within the contract time indicated in the solicitation and in accordance with the other terms and conditions of the solicitation and contract documents.
2. Acknowledgement is hereby made of the following Addenda, if any (identified by number) received since issuance of the applicable solicitation.

Addendum No. 1 Date 2/18/20 Addendum No. 4 Date 4/16/20

Addendum No. 2 Date 3/20/20 Addendum No. \_\_\_\_\_ Date \_\_\_\_\_

Addendum No. 3 Date 4/16/20 Addendum No. \_\_\_\_\_ Date \_\_\_\_\_

**Failure to adhere to changes communicated via any addendum may render your response non-responsive.**



# MBF Industries, Inc.

407-323-9414

**ENGINEERED FOR LIFE**

MBFIndustries.com

GSA # GS-30F-0022S

These design drawings and specifications are the proprietary property and trade secrets of MBF Industries, Inc. and are issued in strict confidence. No reproduction or use shall be made without prior written consent of MBF Industries, Inc. The pictures in these specifications are for representation purposes only.

Color Key\* **IMPORTANT** **OPTIONAL** (not included in pricing) **TBD**

Coral Gables - Mobile Command Center - Drawing# CP-17004-08













## 1.0 Chassis Selection

CHASSIS SPECIFICATIONS LISTED SEPARATELY, New and untitled, Freightliner Chassis, M2-112, 410HP Detroit Turbo Diesel, Allison Transmission, 56,000 GVWR. Vehicle shall meet Title 49, US Code Chapter 301, FMVSS 209, Part 571, SAE J2422, REV 3: Crash Avoidance, Worthiness and Post-Crash Standards. MBF shall provide documentation from the chassis manufacturer of conformity.



## 2.0 Chassis Cab Configuration

	<p><b>Day Cab</b>                      Full width bench seat                      Fixed or air suspension driver and passenger seats                      Passenger seats with SCBA, storage or locking safe provisions.</p>	 	
	<p><b>26" Extended Cab</b>                      24" liftable bunk with storage                      Full-width rear bench seat or forward-facing rear jump seats                      Fixed or tip-out tinted side rear windows                      Cab privacy curtain</p>	 	
	<p><b>48" Crew Cab</b>                      Rear bench or individual seats including air-suspended and SCBA                      Electric rear door windows</p>	 	
<p><b>Selected Cab Configuration:</b></p> <ul style="list-style-type: none"> <li>• Day Cab with independent air suspended driver and passenger seats.</li> </ul>			
•	Wheel Base	320"	
•	Overall Vehicle Length	42' 9"	
•	Exterior Cab Width	94.48"	
•	Interior Cab Width	74.64"	
•	Exterior Cab Length	112"	
•	MBF Body Length	32' 5"	
•	Overall Height	13'	
•	Body Width	102"	
•	Interior Body Usable Width	96"	
•	Fuel Capacity	160 gal.	
•	Wheel Size	22" Aluminum	
•	Rear Axle	Tandem	
•	<b>CDL</b>	<b>Required</b>	

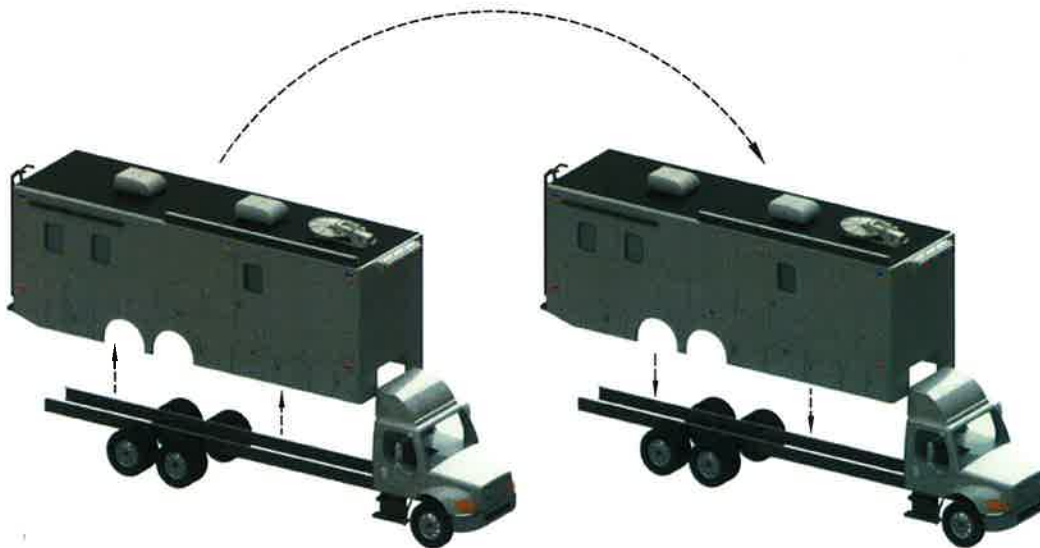
## 2.1 Cab Chassis Additions

- One (1) Aero Dynamic wind fairing.
- One (1) custom fabricated cab radio console.
- One (1) set heavy duty mud flaps
- One (1) Troy Built Products Lap Top mount
- Dual air horns under cab mounted

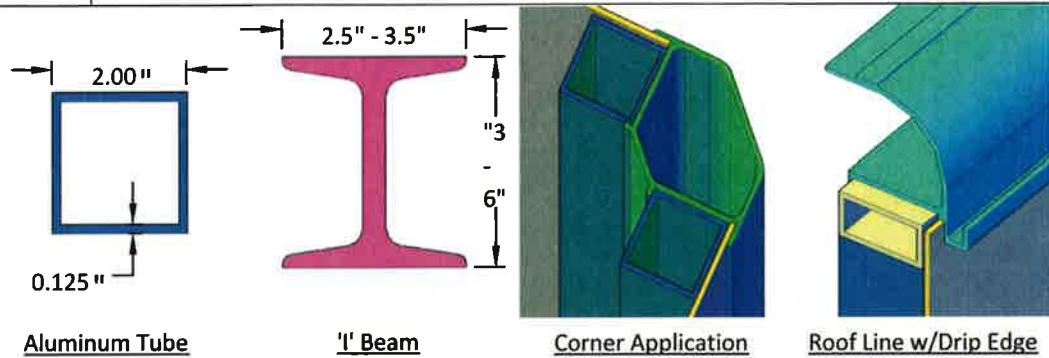


## 3.0 MBF All Aluminum Re-Mountable Body© Fabrication Method

Body and storage compartments shall be fabricated as one unit and built independently of the chassis and designed structurally to allow mounting as a shell unit and further constructed in a manner to allow the completed body to be remounted to a new chassis should it be required.



## 3.1 Body &amp; Skirt Fabrication



The structures of our all-aluminum modular bodies are manufactured utilizing an all-aluminum 5052-H32 alloy construction to ensure long-term durability, corrosion resistance and strength. The frame of the body is manufactured using 2" x 2" x 0.125" aluminum tube, with exception to the floor section which uses 2.50" x 3" x 0.349" 'I' Beams. All structural tubing to be welded together utilizing aluminum extrusions at roof line and corners. The aluminum extrusions provide great strength and durability. Roof line extrusions incorporate a drip rail. Upright structural tubes are spaced no more than 16" o.c. for maximum strength. The under-floor supports are to be 4" or 6" 'I' Beams dependent upon vehicle chassis. All structural members are to be welded for maximum strength. Side body walls shall be fabricated with a single sheet of 0.125" aluminum, without vertical seams.







**Floor:** 3" I-Beam AL 6061-T6 on 12" centers. The underside of the floor assembly shall be sealed utilizing a minimum of .050 aluminum sheeting as a water intrusion barrier. The outer skin of the body is 0.125" aluminum sheet for maximum strength and resistance to damage from normal use. The 0.125 outer skin is bonded to the welded structural frame using a method of attachment, which yields a clean exterior surface. NO glue or liquid chemical bonding shall be used. NO rivets are utilized to attach the outer skin to the structural frame. The structural frame is reinforced where necessary by welding in aluminum plates, tubes and sections. All door frames are welded into the structural frame. Walls shall be fabricated with a single sheets of aluminum, without vertical seams. No Exceptions.

**3.3 NAUF Plywood & Hardwood Utilization**  
 Only NAUF (No Added Urea Formaldehyde) plywood shall be acceptable. CARB - California Air Resources Board - Phase 2 requirement.

**3.4 Rear Angle of Departure**  
 MBF shall maximize the rear departure angle in accordance with the design criteria.



### 3.5 Roof

The roof will be manufactured in 0.125" 3003-H22 aluminum tread plate, continuously welded to roof perimeter extrusions and capable of supporting the weight of personnel, equipment, camera tripods, cable, etc.

MBF's standard roof construction method utilizes heavy duty frame construction that allows you to fully occupy the roof with personnel without added structures or improved roof supports. Safety handrails available upon request.



## 3.6

**Warranty**

MBF offers a **LIFETIME** warranty on the structural integrity of the “Re-Mountable All Aluminum Body©”.



## 3.7

**Paint**

Exterior paint will be Sherwin Williams Genesis urethane paint with a two (2) year warranty. Standard color is white. Cab color shall be any chassis standard OEM color available through the manufacturer at no additional cost. Body painting to customer color specification included as a standard OEM type of paint. Custom, two-tone, metallic and clear coating is available upon request.





Graphics Package 3 Example - \$5,000



Graphics Package 4 Example - \$10,000 - \$15,000 Full Wrap



**4.0 BODY MOUNTING****BODY MOUNTING**

The “Modular Re-Mountable” aluminum body shall be fabricated as a stand-alone unit and designed and built to allow the body to be mounted independently to the chassis. A 1” Oak barrier or UHMW Ultra-High Molecular Weight Polyethylene dissimilar metals barriers shall be placed between the aluminum body and steel chassis frame. Spacers will vary in depth depending upon the overall vehicle design height requirements. Once mounted the body shall be secured with hardened steel “U” bolts and torque tightened to mounting specifications.







## 5.0 SLIDE OUTS







Three (3) slide outs shall be provided. One (1) rear street side and two (2) forward.



<p><b>5.1</b></p>	<p><b>Expandable Section</b> Expandable body sections shall be installed per drawings. The slide out sections will have reinforced structural support for the sidewall opening. The slide out section walls and roof shall be fabricated from 2" X 2" X 0.125" aluminum tube and 0.125" aluminum exterior skin. The interior of the expandable section will be finished with the same materials used in the main portion of the body.</p>	
<p><b>5.2</b></p>	<p><b>Water &amp; Air Seals</b> Water proof rubber seals are attached to the slide out floor, roof and sides and overlap with corresponding water seals attached to the floor, roof and side walls of the body frame when in the closed position. The slide out exterior wall is fabricated to nest into a recessed wall frame structure when in the closed position.</p>	
<p><b>5.3</b></p>	<p><b>Expandable Section Mounting</b> Utilizes a four-point attachment system for rigidity and to provide a positive seal on all four corners when the room is extended or retracted. The room is driven by Dual Hydraulic cylinders with a synchronizing cylinder to ensure smooth, even operation. When retracted, all hardware is enclosed and accessible only through a service access panel. RV style canopy, SOKII, constructed of aluminum with vinyl awning shall be installed above the slide out section.</p>	

<p><b>5.4</b></p>	<p><b>Slide Out Cable Management System:</b> The slide out cable management Chain way system is designed into the slide out overhead support mechanism. Chain way: Multi-link expandable cable management tack. This allows the entire wiring harness to move in and out as the slide out is deployed without bending of wires, which prevents wire breakage from bending movements.</p>		
<p><b>6.0 EXTERIOR COMPONENTS</b></p>			
<p><b>6.1</b></p>	<p><b>Awning</b> Three (3) color coordinated electric awnings shall be included. Two (2) curbside and one (1) street side.</p>		
<p><b>6.2</b></p>	<p><b>LCD Back up Camera</b> One (1) cab mounted monitor and rear camera, Rear View Systems provided</p>		
<p><b>6.3</b></p>	<p><b>Side View Cameras</b> One (1) curbside &amp; one (1) street side sideview camera shall be installed and tied to the 7" LED back up monitor at the drivers location.</p>		







<p><b>6.4</b></p>	<p><b>Stabilizing Jacks</b>                  A set of four (4) stabilizing jacks shall be installed. These jacks will be attached to the chassis frame rails with grade 8 fasteners. Each of the Jacks will have a rating of 25,000 Lbs. Adjustable from 0" to 20".</p> <div style="display: flex; justify-content: space-around;">   </div>	
<p><b>6.5</b></p>	<p><b>Roof Access Ladder</b>                  One (1) roof access ladder shall be provided and fabricated as 1" x 2" x 1/8" wall aluminum tubing. Ladder rungs to be 2" x 1.062 x .125 mill finished and finished per above listed paint specifications. <b>OPTIONAL:</b> Bumper step.</p> <div style="display: flex; justify-content: space-around;">    </div>	
<p><b>6.6</b></p>	<p><b>A/C Brush Guards - OPTIONAL</b>                  Optional aluminum framed roof A/C unit brush guards may be provided. Not included in base quotation unless noted.</p> <div style="text-align: center;">  </div>	
<p><b>6.7</b></p>	<p><b>Emergency Lighting</b></p> <ul style="list-style-type: none"> <li>• Six (6) Whelen Combo LED Emergency/Scene lights model# M9V2</li> <li>• Eight (8) Whelen LED 3" x 7" emergency lights</li> <li>• Two (2) Whelen 3"x7" LED scene lights</li> <li>• Two (2) Whelen LED grill lights</li> <li>• One (1) Siren w/light control</li> </ul>	

- One (1) Speaker 100w
- One (1) set LED tail, turn & marker lights
- One (1) LED light bar mounted on an antenna platform
- One (1) green roof mounted command strobe light
- Eight (8) underbody ground lights






6.8 **Tri-Pod Lights - OPTIONAL**  
 Two (2) Whelen LED tripod lights shall be mounted to the rear of the body. Model#



<p><b>6.9</b></p>	<p><b>Roof Mounted Spot Light - OPTIONAL</b>                  Four (4) roof mounted remote controlled LED GoLights shall be installed as per the drawings. Model#</p>	
<p><b>6.10</b></p>	<p><b>Air Conditioning Units</b>                  Six (6) Coleman Roughneck 15,000 BTU roof mounted A/C units with 5,600 BTU heat strips shall be installed with a ducted drop ceiling.</p>	
<p><b>6.11</b></p>	<p><b>Entry steps and handrails</b>                  The curbside entry door shall have a fold out step which shall fold below floor level in the compartment and fold down for deployment with attachable handrails fabricated of 1 1/4" dia. Mill finish, .125 wall thickness pipe with couplings and safety pin. Fabricated with NFPA tread-plate and LED safety lights. Designed to support up to 500 lbs.</p>	
<p><b>6.12</b></p>	<p><b>Exterior Compartment Slide-Out Tray</b>                  Two (2) all aluminum slide-out trays shall be included in the curbside exterior compartment as per drawing # CP-17004-02</p>	

<p><b>6.13</b></p>	<p><b>Rear Bumper</b>          One (1) full body width bumper shall be custom fabricated with a 9" x 3" steel frame and 1/8" diamond plate tread-plate facing and shall extend beyond the body 10" for protection and shall not be flush mounted.</p>		
<p><b>6.14</b></p>	<p><b>Rear Hitch</b>          One (1) Class V hitch shall be welded to the frame of the vehicle. All trailer electrical hook ups shall be located in the bumper or the body of the vehicle. Location TBD.</p>		
<p><b>6.15</b></p>	<p><b>Rub Rail - OPTIONAL</b>          Curbside and street side marine grade aluminum rub rails shall be included.</p>		
<p><b>6.16</b></p>	<p><b>Drip Rail</b>          Aluminum drip rails shall be included over all compartment and entry doors.</p>		

<p><b>6.17</b></p>	<p><b>Exterior Workstation</b>                  Two (2) exterior workstation shall be provided per drawings with a removable stainless-steel shelf, 42" LED monitor and compartment, data, phone and electrical connections. One (1) removable white board on the street side of the vehicle.</p>	
<p><b>6.18</b></p>	<p><b>Rear License Plate Provision</b>                  Provisions shall be provided for mounting of the license plate and tag light.</p>	
<p><b>6.19</b></p>	<p><b>Window (s)</b>                  All door and side body windows shall be tinted and include black out covers.</p>	

**6.20****Mast System**

One (1) 56ft and one (1) 48' Hilo mast system with mast heads, compressor and 1.25" nycoil.

See Also, Section 15.0




**6.21****Mast Camera**




Two (2) WTI Sinderwinder 360° all weather camera shall be installed. Final configuration TBD at pre-construction.

- High definition 1080i/720p.
- 16:9 widescreen format.
- 0.05° preset repeatability accuracy.
- Continuous 360° pan and tilt rotation.
- 20 or 30X optical zoom lens.
- Hydrophilic "self-cleaning" glass window.
- Wide Dynamic Range (WDR) and DeFog modes
- Electronic Image Stabilization mode






See Also, Section 15.0

<p><b>6.22</b></p>	<p><b>I/O Panel</b> An Input/output (I/O) panel shall be installed on the curbside vehicle body. This panel shall be protected with a weather proof door that latches and locks in two positions, one fully closed and the other partially open to provide protection for the land lines.</p>		
<p><b>6.23</b></p>	<p><b>Outlets - Exterior</b> Five (5) 120VAC GFCI duplex outlets with weatherproof covers shall be installed on the exterior of the body, two (2) street side, two (2) curbside and one (1) at the rear of the vehicle.</p>		
<p><b>6.24</b></p>	<p><b>Kussmaul Auto Eject/Night Service</b> A Kussmaul Super 30 Auto Eject 3-pin 30 amp 120 volt pin and sleeve contact shore power assembly, cover, and plug shall be installed. The 12 volt unit shall eject the shore power cord away from vehicle path upon sensing engine start; after ejection, the weatherproof cover snaps into position over inlet. The unit shall have a waterproof sculpted cover with no sharp edges and back enclosure with watertight cable fittings, which protect mechanism from road contamination. The unit shall sequence energizing of the Auto Eject, eliminating terminal arcing when connecting and disconnecting power cord.</p>		

<p><b>6.25</b></p>	<p><b>Shore Power Input</b>                  Shore power input connectors, with a rating of 240 Volt and 100 Amps shall be installed on the curbside of the vehicle. A single point ground stud tied to the body and chassis shall be installed on the curbside of vehicle. A 25'- 100 AMP shore power cord shall be provided with plug connection TBD based on client preference.</p>		
<p><b>6.26</b></p>	<p><b>Winegard TRAV'LER Direct TV</b>                  One (1) Winegard TRAV'LER antenna with two (2) HD-SAT RX Direct TV satellite Receivers.                   See Special Equipment Package, Section 15.0</p>		
<p><b>6.27</b></p>	<p><b>SAT System</b>                   See Special Equipment Package, Section 15.0</p>		
<p><b>6.28</b></p>	<p><b>Amplified TV Antenna</b>                   One (1) LAVA HD-8000 off air TV antenna shall be provided for local stations.                   See Also, Section 15.0</p>		
<p><b>6.29</b></p>	<p><b>Antenna Rail</b></p>		



	<p>One (1) roof mounted 2"x3" aluminum antenna rail (s) with side access for antenna mounts.</p>		
<p>6.30</p>	<p><b>Antenna/Lightbar Platform</b> One (1) custom fabricated aluminum forward mounted antenna/lightbar platform.</p>		
<p>6.31</p>	<p><b>Dome Security Cameras</b> One (1) Optiview exterior dome cameras shall be installed on the vehicle body at body entry door. One (1) DVR recorder shall be included.</p> <p>See Also, Section 15.0</p>		

**6.32 Command Light**

One (1) Knight Series LED 6 pack with remote lift and lower capabilities and back light option. Tested up to 90 MPH winds. NFPA 1901 Compliant. All weather conditions and a 5-year warranty.

Model#: KL415A-FX

See Also, Section 15.0

**COMMAND LIGHT**

**Rooftop Safety Railing**

Per the drawing, an all-aluminum quick raise safety railing shall be included.


**6.34 Vehicle Undercoating**


Dual Purpose Rustproofing Compound (Black)



Chemical Name	CAS No.	Weight-%
Asphalt (at Ambient Temperature)	8052-42-4	50 - 60%
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	10 - 20%
Hydrated Aluminum-Magnesium Silicate (Attapulgate)	12174-11-7	10 - 20%
Naphtha(petroleum), hydrotreated heavy	64742-48-9	0 - 10%
Alkyl Amine Acetate	28701-67-9	0 - 10%
QUARTZ	14808-60-7	0 - 10%

**7.0 EXTERIOR COMPARTMENT & DOOR SPECIFICATIONS****Curbside:**

1. Double door storage compartment
2. Double door storage compartment with two (2) pull-out trays
3. Single flip-down door for entry/exit steps
4. Double door storage compartment
5. Single flip-up door I/O panel access
6. Single flip-down door for standing access to the back of equipment racks
7. Single flip-up door for access to the back of the equipment racks
8. Single flip-up door for exterior LED monitor

	<p><b>Street Side:</b></p> <ol style="list-style-type: none"> <li>9. Single door storage compartment</li> <li>10. Single door battery compartment</li> <li>11. Single door storage compartment</li> <li>12. Double door generator compartment</li> <li>13. Double door shore power and mast controls compartment</li> <li>14. Single flip-up door for exterior workstation.</li> </ol>	
<p><b>7.1</b></p>	<p><b>Storage Compartments</b></p> <p>All storage compartments shall be manufactured in 0.125" welded aluminum tread plate for maximum strength, durability and corrosion resistance. The compartments shall be fabricated from 0.125" aluminum sheet and be "Sweep out" design with 2" framed doors with double seals. All doors are custom made to suit the requirements of the customer.</p>	
<p><b>7.2</b></p>	<p><b>All Entry &amp; Storage Compartment Doors</b></p> <p>All doors will be manufactured of 0.125" aluminum extrusions and 0.125" aluminum plate continuously welded and structured with 0.125" 2"x2" square tubing. Personnel entry doors will be insulated with a minimum of 2" sprayed urethane foam. All doors are custom made to the customer's requirements. The doors incorporate automotive quality door closers and anti-bust locks.</p>  <p>The doorjamb extrusion shall be welded to the body wall structure. Two striker pins shall be installed in each entry doorjamb. A Tri-Mark all metal Chrome paddle handle shall be installed inside and out. The handles, latches and striker pins pass FMVSS 206 and comply with FMVSS 302.</p> <ul style="list-style-type: none"> <li>• <b>Gaskets</b> Passenger and compartment door gaskets shall be bulb typed, designed to match the doorjamb extrusions, and shall be extruded with material to satisfy ambient temperature extremes. There shall be no interruptions in the gasket for door locks, latches or hinges. Gaskets shall be miter cut at the corners and sealed with "3M" weather strip adhesive.</li> <li>• <b>Hinges</b> All exterior hinges used for entry and compartment doors shall be stainless steel, continuous, w/3" open dimension and a 1/4" diameter hinge pin. Hinge mounting holes shall be slotted to allow door adjustment in two planes. Holes shall be drilled and tapped in door and jamb extrusions to accept truss head style machine screws (stainless steel).</li> </ul>	

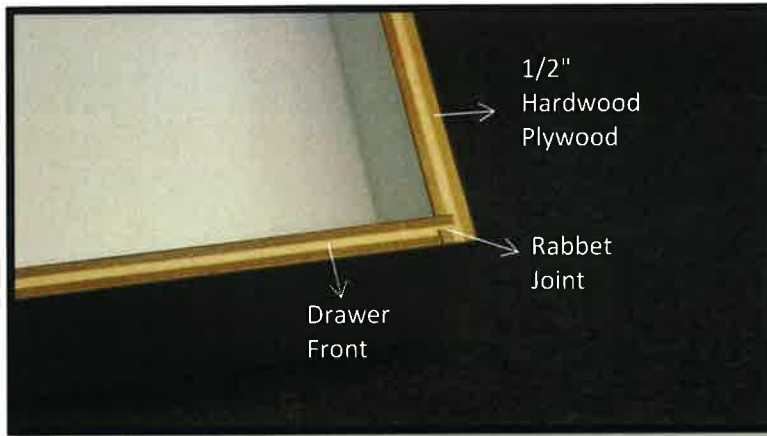
<b>8.0 INTERIOR FINISH</b>		
<b>8.1</b>	<p><b>Insulation Walls &amp; Ceiling</b>  The vehicle body will be completely insulated with a minimum of 2" CFC-free urethane foam sprayed insulation factor of not less than R-14. Once the foam expansion is fully cured it is then cut back to match the aluminum structure of the body and will allow for clean lines on all wall materials. All gaps and penetrations within the floor, ceiling and walls will be sealed using a 50-year sealant.</p>	
<b>8.2</b>	<p><b>Floor</b>  All seams and screw holes will be filled with bondo and sanded smooth. The floor will be covered with commercial grade heavy duty vinyl flooring in customer's choice of color.</p>	
<b>8.3</b>	<p><b>Insulation Floor</b>  Spray foam insulation shall be applied between the body frame support structures and covered on the interior with 3/4" plywood and the finished flooring. Sheet aluminum shall be installed below the body structure and chassis frame rails to seal the insulated area.</p>	
<b>8.4</b>	<p><b>Walls</b>  Walls and ceiling to be 1/2" furniture grade plywood screwed to the aluminum wall structure. The walls will be finished with 26 oz. carpet in customer's choice of color.</p> <p>Other finishes are utilized to meet customer requirements and where a high degree of sound insulation is required.</p>	
<b>8.5</b>	<p><b>Interior Partition Walls</b>  Interior partition walls shall be constructed out of aluminum tubing covered in plywood and wall finish. Bulkhead walls without a pocket door shall be 2' x 2"</p>	

	<p>x 1/8" and with pocket doors shall be a combination of 1" x 4" x 1/8" and 1" x 1" x 1/8". Wood interior partition walls shall not be acceptable.</p>	
<p><b>8.6</b></p>	<p><b>Cabinet Construction</b>                  Interior cabinets and bench seating shall be constructed of 3/4" thick furniture grade plywood. Cabinets shall be glued and screwed together. All cabinet interiors shall be finished with a white laminate cabinet liner. Cabinet exteriors shall be finished in "Formica" or equal 0.040" laminate in the customer's choice of color. Latches shall be flush mount Southco lever latches (positive latching). Overhead cabinet doors shall be covered with whiteboard.</p>	
<p><b>8.7</b></p>	<p><b>Bench Seating - OPTIONAL</b>                  Bench seating shall include foam seat and backs of firm density and materials shall meet FMV Safety Standards part 571.302 flammability of Interior materials. Seam stitching shall be done with 8 oz. bonded nylon thread, material corners shall be squared or angled to fit precise cut of foam and shall be bonded to plywood backers with industrial grade adhesive. Stapling of fabric/vinyl to backer with industrial grade upholstery staples. Below seating storage shall be provided when noted on design drawings.</p>	 <p>Below seating storage shall be provided when noted on design drawings.</p>
<p><b>8.8</b></p>	<p><b>Cabinets and Workstations</b>                  Storage cabinets and workstations per drawing will be provided. Overhead storage cabinets shall be installed above the base cabinets per drawings.</p>	

**8.9**

**Drawer Construction**

All sides, fronts and bottoms shall be fabricated from 1/2" Finish Grade Poplite Plywood. The drawers shall be glued, nailed and constructed with rabbet joints to eliminate drawer separation.



**8.10**

**Securing Interior**

Positive lock closures for securing all drawers, tables, TV, chairs, doors, or other items within the interior of the unit will be installed.






**8.11**

**Counter Tops**

All work surfaces, conference tables and counter tops shall be Avonite medical grade hard-surface with a 16-hour stain resistance. A wide range of color choices and custom lighted options are available.



**9.0 INTERIOR LIGHTING & OUTLETS**

<p><b>9.1</b></p>	<p><b>Interior LED Lighting</b>          RED/WHITE Flush mounted 8” round LED lights shall be installed throughout the vehicle. These lights shall be switched at the electrical Control Panel and operate from the 12 VDC system and not require the generator or shore power.</p>		
<p><b>9.2</b></p>	<p><b>Under Cabinet Lights</b>          RED/WHITE LED lights shall be mounted at the overhead cabinets for each workstation.</p>		
<p><b>9.3</b></p>	<p><b>Outlets - Interior</b>          MBF shall maximize 120VAC duplex outlet locations at all workstations conference areas. As per customer requirements.</p>		
<p><b>10.0 INTERIOR FITOUT</b></p>			
			
<p><b>10.1</b></p>	<p><b>Forward Area</b></p> <ul style="list-style-type: none"> <li>• One (1) forward wall mounted 55” OneScreen</li> <li>• One (1) 7-person conference table with center data trough and seven (7) roll around chairs.</li> <li>• One (1) curbside slide-out with three (3) tinted windows and 2 wall</li> </ul>		

	<p>mounted 32" LED monitors</p> <ul style="list-style-type: none"> <li>• One (1) countertop with access to the rear of I/O panel and a V-Mux controller above the countertop.</li> <li>• One (1) wall mounted heater</li> <li>• One (1) divider wall with windowed pocket door</li> <li>• One (1) street side wall mounted whiteboard</li> <li>• One (1) street side wall mounted electric heater</li> <li>• One street side slide-out with three (3) tinted windows</li> <li>• CAT6 wiring per specifications.</li> <li>• Phone wiring per specifications.</li> <li>• All high voltage and low voltage wiring per NEC.</li> </ul>	
10.2	<p><b>Mid-section</b></p> <ul style="list-style-type: none"> <li>• One (1) curbside entry/exit door</li> <li>• One (1) wall mounted fire extinguisher</li> <li>• One (1) curbside workstation with a roll around chair</li> <li>• One (1) ***Customer Provided*** Xerox printer</li> <li>• Wall mounted tie-down straps for the printer</li> <li>• One (1) divider wall with windowed pocket door</li> <li>• One (1) curbside galley with three (3) base cabinets and drawers, coffee maker, microwave, full size refrigerator and an overhead cabinet.</li> <li>• The vehicle load center shall be above the galley area.</li> <li>• CAT6 wiring per specifications.</li> <li>• Phone wiring per specifications.</li> <li>• All high voltage and low voltage wiring per NEC.</li> <li>• One (1) event clock.</li> <li>• One (1) rear entrance/exit door with clip on steps and handrail.</li> </ul>	
10.3	<p><b>Communication Area</b></p> <ul style="list-style-type: none"> <li>• Three (3) curbside 40RU Mid-Atlantic equipment racks with ducted A/C.</li> <li>• Two (2) seated workstations with two (2) roll around chairs, two (2) 27" LED monitors, overhead cabinetry, two (2) pencil drawers and a whiteboard at the rear wall.</li> <li>• Three (3) street side in-slide-out seated workstations with three (3) roll around chairs, three (3) 32" LED monitors, overhead cabinetry, three (3) pencil drawers and windows at both ends of the slide-out.</li> <li>• One (1) 32" LED monitor on the forward divider wall.</li> <li>• CAT6 wiring per specifications.</li> <li>• Phone wiring per specifications.</li> <li>• All high voltage and low voltage wiring per NEC.</li> </ul>	
<b>11.0</b>	<b>INTERIOR COMPONENTS</b>	
11.1	<p><b>Heating</b></p> <p>A total of three (3) 1500 watt electric heaters shall be installed.</p>	
11.2	<p><b>Refrigerator</b></p> <p>A full-size RV style stainless steel refrigerator shall be installed as per the</p>	



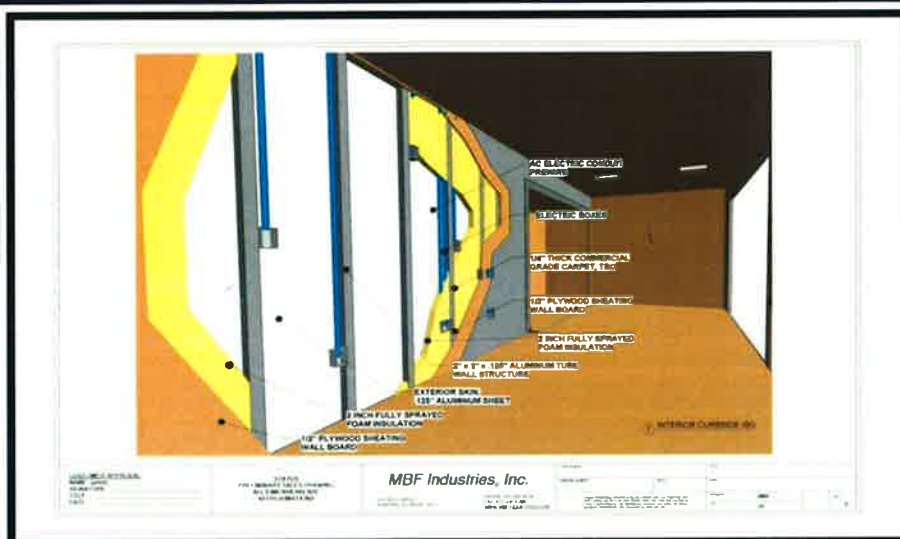
	<p>drawings.</p>	
<p><b>11.3</b></p>	<p><b>Microwave</b>                  A Magic Chef microwave shall be installed in an overhead cabinet at the galley station. Color shall match the interior.</p>	
<p><b>11.4</b></p>	<p><b>Coffee Maker</b>                  One (1) under cabinet coffee make shall be included in the galley area as per drawings.</p>	





**12.0 STANDARD EQUIPMENT**




	<ul style="list-style-type: none"> <li>• Three (3) five (5) pound ABC fire extinguishers shall be strategically located throughout the vehicle.</li> <li>• A set of three (3) reflective safety triangles will be shipped loose with the vehicle.</li> <li>• Operator and repair manuals will be shipped in notebooks with the vehicle.</li> </ul>	
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**13.0 ELECTRICAL & POWER SYSTEMS**



13.1	<p><b>Multiplex Electrical System</b></p>  <p>One (1) VMUX solid state integrated multiplex electronic system provided for control of designated vehicle components, increased diagnostic capabilities and programmable functionality. System shall include one (1) cab and one (1) interior body mounted control panel. Control system where applicable to include monitoring of the following: Entrance doors, compartment doors, slide outs, stabilizer jacks, exterior lights, emergency lights, chassis component monitoring and 12 volt lighting system. The system reduces points of potential failure within the electrical system. Must be SAE, NFPA, NMEA and RVIA approved.</p>	
13.3	<p><b>12 VDC Wiring</b></p> <p>Proper wire sizes shall be determined for each circuit. All 12 VDC wiring shall be color coded and routed through split loom cable covers.</p>	
13.4	<p><b>Battery System</b></p> <p>The vehicle shall be equipped with a dual battery system. The vehicle starting battery is discussed in the chassis portion of these specifications. The auxiliary battery selected to support the conversion load shall be a group 8-D AGM with a rating of 1450 CCA and 245 Amp hours.</p>	
13.5	<p><b>Battery Paralleling - Battery Boost -Emergency Start Switch</b></p> <p>A dash-controlled system shall be provided to parallel the main and auxiliary batteries for increased engine cranking capability. The jump switch shall be located at the driver's position.</p>	
13.6	<p><b>Power Converter</b></p> <p>One (1) 120 VAC to 12 VDC power converter shall be provided to support the 12 VDC electrical load and charge the batteries during generator or shore power operation. The minimum rating for the converter shall be 80 Amps.</p>	
13.7	<p><b>120 VAC Wiring</b></p> <p>Wire sizes shall be determined for each circuit with a minimum of 14 Ga. wires used in the vehicle. All 120 VAC wiring shall be routed through cable raceways. All wiring shall be installed in accordance with the National Electric Code.</p>	

<p><b>13.8</b></p>	<p><b>Generator - EPS</b>                  One (1) 30KW 120/240VAC 60Hz water-cooled Kubota diesel powered generator shall be provided. The entire compartment will be sound proofed to attenuate noise to the maximum degree possible.</p> <p><b>A. Block and Pan Heater</b>                  The generator shall be equipped with engine block and oil pan heaters.</p> <p><b>B. Shut Down System</b>                  The generator shall be equipped with sensors that will activate the generator shut down system on low oil pressure and high water temperature.</p> <p><b>C. Remote Start</b>                  The generator shall include a remote Start/Stop Preheat switch and hour meter located in the vehicle power distribution panel.</p> <p><b>D. Fuel Supply</b>                  Fuel supply for the generator shall be from the chassis fuel tank. The system shall be designed and installed so as to leave a minimum of ten gallons of fuel in the tank when the generator runs out fuel.</p>	
<p><b>13.10</b></p>	<p><b>Power Distribution Panel</b>                  The Power Distribution Panel shall consist of an anodized aluminum panel equipped with appropriately sized Heinemann circuit breakers for both 120 VAC and 12 VDC applications. A power transfer switch shall be located in the panel for selection of either generator power or shore power. The panel shall also contain meters for monitoring voltage, amperage and frequency. There shall be an audible over-voltage alarm in the panel to sense and warn of high voltage output from the generator.</p>	
<p><b>14.0 COMMUNICATION ITEMS</b></p>		
	<ul style="list-style-type: none"> <li>• During the pre-wire phase MBF will install all necessary wiring and cables for satellite, phone, data, audio, video, intercom, radios and types of systems per these specifications.</li> <li>• Some systems such as microwave receivers or custom V-SAT antennas may require custom cables and are <u>not</u> included as a part or standard pre-wire preparation.</li> <li>• All generic nycoil systems are arranged at pre-wire utilizing our stock type of cables and does not include any custom or special order cables that may be required.</li> </ul>	

	<ul style="list-style-type: none"> <li>• Any mast head mounted equipment or devices shall be approved by MBF in advance to insure appropriate nycoil utilization.</li> <li>• MBF shall provide cable access points in the body for future cable runs.</li> </ul>	
<p>14.1</p>	<p><b>Communication Wiring</b>          Recessed power supply and A/V/C shall be provided at the conference table. <b>TBD</b> at Pre-construction.</p> <div style="display: flex; justify-content: space-around;">   </div>	
<p>14.2</p>	<p><b>Communication Equipment Rack</b>          The equipment racks are Mid-Atlantic specifically designed to give a universal mounting platform for all standard-sized 19" rack mountable devices with a 300 lb. weight capacity. The standard height of these racks are 40RU (rack units) or 70 inches; is able to meet most major manufacturers' specifications for mounting requirements with CAT6 cable throughout the vehicle for communication cables. In addition to the front access, the body of the vehicle will have exterior access doors with LED lights to service the equipment rack. The depth of our rack equipment is 30 inches.</p>  <p>The rack(s) will have air duct vent on top in order to provide ample air ventilation.</p> <p>All metal fixtures within the body and cab shall be electrically bonded in accordance with MIL-STD-188-124B.</p>	
<p>14.3</p>	<p><b>Roof Mounted Antenna (s)</b>          Antenna rails on the roof shall be the access point to communicate via RF patch panel with the radios. Antenna positions <b>TBD</b> as needed for the design requirements.</p>	
<p>14.4</p>	<p><b>Wire Chase Management</b>          Wire and cable raceway shall be provided overhead for easy access. Interior ceiling access points shall be provided in the drop ceiling for accessing and running future cables.</p>	

14.5	<b>Patch Panel</b> One (1) Panduit or equal patch panel provided as required per equipment.																																			
14.6	<b>Individual Workstation Connections</b> Each workstation shall be provided with wall mounted data, phone and electrical connections. Specific requirements & locations to be determined during the preconstruction meeting.																																			
14.7	<b><u>OneScreen Solutions</u></b>  Present, annotate and collaborate on a giant tablet with meeting participants in the room and around the world. A OneScreen puts everything you need to visually present, capture and share ideas at your fingertips - all integrated into a single, cost-effective device. OneScreen streamlines meetings and allows people to communicate clearly to get the job done fast. You'll bridge communication gaps, save time and money on travel, and never look back.  See Also, Section 15.0  <b>Key Features</b> <ul style="list-style-type: none"> <li>• Advanced multi-touch high definition 55-inch display</li> <li>• Flexible and expandable with built-in Windows PC</li> <li>• Digital interactive whiteboard and document annotation</li> <li>• Business-class video conferencing</li> <li>• Share, view and control from your tablet or smartphone</li> <li>• Full copy of Microsoft® Office ensures file compatibility</li> </ul> <div style="text-align: center;">  </div>																																			
15.0 SPECIAL EQUIPMENT PACKAGE - Special equipment not listed previously.																																				
15.1	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Item</th> <th style="width: 5%;">Qty</th> <th style="width: 20%;">MFG</th> <th style="width: 20%;">Model</th> <th style="width: 45%;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">Viewsonic</td> <td style="text-align: center;">CDE4320</td> <td>43" HDMI/DP/Speakers/NO Tuner (Exterior)</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">Peerless</td> <td style="text-align: center;">SF660P</td> <td>SmartMount Universal Flat Wall Mount for 39" to 80" Monitor</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">1</td> <td style="text-align: center;">HiLoMast</td> <td style="text-align: center;">BR-48</td> <td>48' Mast</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> <td style="text-align: center;">HiLoMast</td> <td style="text-align: center;">BR-56</td> <td>56' Mast</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">2</td> <td style="text-align: center;">WTI</td> <td style="text-align: center;">VS720-H.264-HD30L-AC-SE</td> <td>VIPER PTZ CAMERA, 85-265 VAC, SIDE EGRESS, HD WITH 30X OPTICAL ZOOM</td> </tr> </tbody> </table>	Item	Qty	MFG	Model	Description	1	2	Viewsonic	CDE4320	43" HDMI/DP/Speakers/NO Tuner (Exterior)	2	2	Peerless	SF660P	SmartMount Universal Flat Wall Mount for 39" to 80" Monitor	3	1	HiLoMast	BR-48	48' Mast	4	1	HiLoMast	BR-56	56' Mast	5	2	WTI	VS720-H.264-HD30L-AC-SE	VIPER PTZ CAMERA, 85-265 VAC, SIDE EGRESS, HD WITH 30X OPTICAL ZOOM					
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6	2	WTI	SWRCUJS	Rack Mount controller and power supply
7	2	WTI	SW RJ45 Box	SWRJ45 Break out box
8	2	WTI	SWC.264-AVS-03	Viper IP HV Hybrid PIGTAIL HV-SD 3'
9	1	MBF	CIO-XXX	Custom IO Panel
10	1	Winegard	Travler Direct	DirectTV HD DSS Dish
11	2	Winegard	H24	DirectTV HD Reciever
12	1	Global Survival Solutions	Freedom .75Ka	.75M dish in suit case (rapid ground deploy)
13	4	Garmin	In Reach Explorer+	Satellite Communicator with North America TOPO Maps
14	1	Lava	HD-8000	OmniPro Version Omni-Directional HDTV Antenna
15	1	MBF	RF_BB_8	8 port Off Air RF Backbone System
16	1	Optiview	IP4MIAB-28A	4 Megapixel H.265 HD Network IR Mini Dome
17	1	Optiview	NVR8P8-2-8TB(8)	4K / 8 Megapixel Ultra HD 8 channel NVR with 8 x PoE ports and 8TB Storage
18	1	Knight	Knight Series	6 LED POD with remote lift and lower with back light High Power AC
19	1	OneScreen	H55-55	55" Collaboration Monitor with VTC (Conf front wall)
20	1	Peerless	SF660P	SmartMount Universal Flat Wall Mount for 39" to 80" Monitor
21	1	MBF	CIO-XXX	Custom Conference Table IO Panel
22	2	Viewsonic	CDE3204	32" Monitor HDMI/DP/Speakers/NO Tuner (Conf Slideout wall)
23	2	Peerless	SF632P	SmartMount Universal Flat Wall Mount for 22"-40" Monitor
24	2	Mid Atlantic	MRK-4031LRD	40RU Rack
25	2	Mid Atlantic	VFD-40	Mesh Vent Rack Door (40U)
26	2	Mid Atlantic	PD-2022R-NS	Power Strip (Horz)
27	2	Mid Atlantic	LT-CABUTL-DUAL	Dual Rack Lights
28	2	Viewsonic	VX2776-4K-MHD	27" Monitor HDMI/DP/Speakers/NO Tuner (CS Workstations)
29	2	Peerless	SF630P	SmartMount Universal Flat Wall Mount for 10"-29" Monitor
30	3	Viewsonic	CDE3204	32" Monitor HDMI/DP/Speakers/NO Tuner (SS Workstations)

31	3	Peerless	SF632P	SmartMount Universal Flat Wall Mount for 22"-40" Monitor
32	1	Viewsonic	CDE3204	32" Monitor HDMI/DP/Speakers/NO Tuner (OPS Front Wall)
33	1	Peerless	SF632P	SmartMount Universal Flat Wall Mount for 22"-40" Monitor
34	1	Dell	5501	Business Laptop
35	1	MBF	DBS-24-6A	CAT-6A backbone with up to 24 data drops
36	1	MBF	CIO-XXX	12 RJ-45, 4 SM Fiber and 4 MM Fiber
37	8	MBF	MBF-WSDP_2_1	Custom wallplate with 2 RJ-45 and 1 HDMI
38	6	Dell	Optiplex 3070 MICRO	Base model PC
39	1	Peplink	MAX HD4 MBX (CAT-18)	Pepwave MAX HD4 MBX LTE-A Cellular Router
40	1	Taoglas	MA1509.A.001	9 in 1 GNSS(1), 4G/5G(4), WiFi(4)
41	1	Panorama	6231	5 in 1 MiMo Antenna
42	1	Intelispring	CUSTOM	Client Specified Phone System
	1	Cisco	ISR4331-V/K9	Cisco ISR 4331 UC Bundle, PVD4-32, UC License
	1	Cisco	CON-SSSNT-ISR4431V	Cisco ISR 4331 UC Bundle, PVD4-32, UC License
	1	Cisco	MEM-4300-4GU8G	4G to 8G DRAM Upgrade (4G+4G) for Cisco ISR 4330,4350
	1	Cisco	MEM-FLSH-4U8G	4G to 8G eUSB Flash Memory Upgrade for Cisco ISR 4300
	1	Cisco	SM-X-ES3-16-P	SM-X EtherSwitch, L2/L3, SM, 16 GE, POE+
	1	Cisco	CS3560X-16-L-E	SM-X 16 Port Layer 3 LAN base to IP Services paper license
	1	Cisco	NIM-2FXO	2-port Network Interface Module - FXO (Universal)
	1	Cisco	NIM-4FXSP	4-Port Network Interface Module - FXS, FXS-E and DID
	8	Cisco	CP-8841-K9=	Cisco IP Phone 8841 - VoIP phone - SIP, RTCP, RTP, SRTP,SDP - 5 lines
	8	Cisco	CON-SNT-CP8841K9	SNTC-8X5XNBD Cisco UC Phone 8841
	1		CPAP-SG1590WLTE-US	CHECK POINT 1590 APPLIANCE WIFI and LTE
	35			Professional level engineering resource


	1	Cisco	PWR-4330-POE-AC	Power supply (internal) - AC 100-240 V - 530 Watt - CISCO
	1		PVDM4-32U64	PVDM4 32-channel to 64-channel factory upgrade
	8	Cisco	CME-UL	Cisco Communication Manager Express (CME) - 1 User License
	8	Cisco	CON-ECMUSCMEULC TG	SOLN SUPP SWSS Cisco Communication Manager Express
43	1	MBF	CUSTOM	Client Specified Radio Package
	1	Harris	XL-185	Includes all Features for CGPD (5) DCH (4)FM (2) RM
	1	Db Spectra	HC000-16F	100-960 MHz 16 Channel Short Haul Combiner
	1	BirdTech	80-05-14	VHF-1.3 GHz Multiband
	1	ICOM	A120	Airband mobile radio,
	1	ICOM	AH4	Icom HF Antenna Tuner
	1	ICOM	OPC478UC	Icom Programming Cloning Cable for PC to Radio
	1	ICOM	CSA120	Icom Programming Software
	5	Laird	WPD136M6C-001	MultiBand Antenna
	1	MaxRad	MLB6600	Aviation Antenna
	1	Laird	B1360WS	VHF Antenna
	1	MaxRad	MWU4002S	UHF Antenna
	1	Larsen	NMO2/70B	Dual Band Antenna
	1	Mindshare	MaxPlus	4 Positions Foot Switch / Headset/16 Input
	1	Breedlove	808	HF/SSB/LOW Band Mount
	1	Hustler	IC56	HF/SSB/LOW Band Whip
	1	Hustler	SSM-3	HF/SSB/LOW Band Spring
	4	Motorola	APX-8500	Full Spectrum P-25 Radios
	1	Codan	Envoy	HF/SSB ALE Radio
44	2	Ubiquity	NS-AC5	NanoStation AC 5 GHz airMAX ac Radio
45	2	Ubiquity	LOC05AC	NanoStation AC loco 5 GHz airMAX ac Radio
46	2	Mid Atlantic	CAP5	CLAMPING RACKSHELF, 5 RU
47	1	Mid Atlantic	OCAP-3	OPEN CLAMP RACKSHELF, 3 RU
<b>Items Below are required for the AV system to operate</b>				
1	1	Blackmagic Design	VHUBSMART6G20 20	Smart Videohub 20 x 20 6G-SDI
2	12	Blackmagic Designs	CONVMBHS24K6G	HDMI to SDI 6G Mini Converter





	3	11	Blackmagic Designs	CONVMBSH4K6G	SDI to HDMI 6G Mini Converter
	4	2	Datavideo	NVD-35	IP Video Decoder with SDI Output
	5	1	WTI	DTC-720	SIDEWINDER DESKTOP CONTROLLER
	6	1	DELVCAM	DELV-2LCD7-CVGAD	Dual 7" 3 RU VGA, DVI, & Composite LCD Video Monitor
<b>16.0 ALARM SYSTEM</b>					
<b>16.1</b>	<b>Alarms</b> The vehicle will be provided with a two (2) hardwired smoke & CO detectors.				
<b>16.2</b>	<b>Interlock</b> All entry doors, bunker storage doors, generator compartment doors, shore power input compartment door, stabilization jacks, awnings, satellite dishes, slide outs and any other external compartments shall be wired to an interlock system. This interlock will activate when any of the connected devices are in the deployed position and will sound an alarm until they are put into their stowed position.				
<b>17.0 MANUFACTURER QUALIFICATIONS &amp; QUALTY CONTROL</b>					
<b>17.1</b>	<b>Single Source Manufacturing</b> A single source manufacturer of the vehicle drawings, engineering, structural fabrication, body fabrication, body components, interior conversion, electrical, audio, video, communication and integration shall be required to minimize potential warranty issues and security risks. Body shall be fabricated as a shell unit, including slide outs, independently of the chassis before mounting. Body shall be fabricated in a method to allow re-mounting of the completed body to a new chassis, if necessary. (NO OUTSOURCING WILL BE ALLOWED)				
<b>17.2</b>	<b>Past Performance</b> Vendor shall be required to provide body fabrication shop drawings, work in process pictures and completed unit pictures with references for five (5) projects completed within the past two (2) years utilizing the identified fabrication method. Minimum of 15 References with contact person, project description, location and email address. Exception requests shall be submitted in writing 7 days prior to closing.				
<b>17.3</b>	<b>DOT Regulation</b> Manufacturer shall supply accurate independent wheel weights, front axle weight, rear axle weight and total GVW (Gross Vehicle Weight) with an approved scale system.				

<p>17.4</p>	<p><b>Vehicle Weight distribution</b></p> <p>The manufacturer shall provide total weight distribution calculations showing the as built front, rear and total estimated weight of the proposed vehicle. Three (3) references of similar vehicles utilizing a “Re-Mountable Body©” shall be provided and included.</p>	
<p>17.5</p>	<p><b>AWS Certified Welders</b></p> <p>All welding shall be performed in accordance with the applicable requirements of the latest codes, rules or specifications of the American Welding Society. AWS and the requirements set forth in these specifications and special provisions shall be subject to the test and examinations therein specified. AWS certifications shall be provided for all welders and copies of the certificates will be included with the proposal submittal.</p> <ul style="list-style-type: none"> <li>• AWS D1.1 Structural Welding Code - Steel</li> <li>• AWS D1.2 Structural Welding Code - Aluminum</li> <li>• Tensile Strength testing provided upon request by AWS Certified Inspector</li> </ul>	
<p>17.6</p>	<p><b>AWS Certified Welders</b></p> <p><i>(example certificate)</i></p>	
<p>17.7</p>	<p><b>Design and Engineering</b></p> <p>The manufacturer shall have; <b>On Staff</b>, design and engineering departments that are solely dedicated to the commercial heavy duty mobile industry.</p> <p><b>Pre-contract QC:</b> Senior construction engineers review the preliminary drawings to ensure MBF quality standards are enforced prior to customer acceptance of the drawings.</p> <p><b>Post Contract:</b> A detailed review of the drawings and specifications are conducted with the VP of Operations, engineer, lead senior engineer and the project manager.</p>	

	<p><b><u>Pre-construction Meeting:</u></b> The MBF project management team assigned to each project shall be in attendance, which shall include the VP of Finance and Operations, Electrical Engineering Department, Network Engineering Department, Project Engineer and the Lead Senior Engineer. With the customer's input, we will solidify any additions, deletions or changes and complete one final review of the chassis' wheelbase, engine HP, GVWR, fuel capacity, cab style, interior layout, brakes, etc.. The MBF body configuration, structural integrity, (using Autodesk AutoCAD release 2017) overall vehicle construction of roof, walls, floors, slide out assemblies, HVAC layout and interior walls to ensure complete vehicle coverage are also reviewed. Plus, the customer shall be provided a full set of Electrical Engineered drawings, Network Engineering drawings and MBF shall submit the final drawings for customers "sign off".</p> <p><b><u>Construction QC:</u></b> Daily visual inspections and <b>Quality Assurance</b> checklist shall be conducted by the QC managers in each department and during each phase of construction of the vehicle. This includes a daily inspection of product specified materials; fabrication progress, dimensional accuracy and that the overall vehicle specifications are being followed. Ongoing production photos are provided as a courtesy to every customer. (Quality Assurance checklist provided upon request)</p>	
17.8	<p><b>Electrical Engineering</b></p> <p>The manufacture shall have; <b>On Staff</b>, a design and electrical engineering department that is solely dedicated to the commercial heavy duty mobile industry.</p> <p><b><u>Quality Control Measures:</u></b> With each design, the electrical engineer provides calculated power usage, load calculations and provides peer reviewed detailed drawings of the entire vehicles power supply.</p> <p><b><u>Electrical circuit testing and certification:</u></b> MBF voluntarily complies with the industry standards for NFPA and NEC for mobile market products. During construction of the vehicles, our electrical circuits undergo initial phase resistance testing to ensure continuity and absence of circuit damage or fault during installation and before closing the interior vehicle envelope. Once the interior walls are installed, incremental intermediate phase testing occurs as circuits are terminated in outlets, fixtures and lighting elements. Once the vehicle reaches final phase and the electrical infrastructure is complete, incremental testing, metering and load initialization occur to further certify all aspects of the power systems. Once the systems have passed this phase of testing, MBF undertakes monitored load and duration testing of shore system circuits as well as generator systems to ensure that the vehicle has accrued sufficient time in testing prior to vehicle delivery. Details covered in section 8.0</p>	
17.9	<p><b><u>Communication and Network Engineering:</u></b> The manufacturer shall have; <b>On Staff</b>, communication and engineering departments that are solely dedicated to the commercial heavy duty mobile industry.</p> <p><b><u>Quality Control Measures:</u></b> With each design, the Network Engineer provides detailed drawings of the communication cabling, data control, process of information transfer and a complete vehicle communication capabilities</p>	

	<p>diagram.</p> <p><b>Audio, video and camera testing:</b> MBF's ability to custom fabricate audio and video circuits within the vehicle also necessitates a reliable and recognized standard against which to test and certify those types of circuits. The current testing standard focuses on:</p> <ul style="list-style-type: none"> <li>• resistance</li> <li>• continuity</li> <li>• proper grounding/noise</li> <li>• audio throughput</li> <li>• phasing for audio</li> <li>• IP addressing scan (for IP cameras)</li> <li>• PTZ control and protocol testing</li> <li>• POE testing</li> <li>• video signal metering</li> <li>• RS232/RS485/RS422 interfacing</li> </ul> <p><b>RF cabling and certification:</b> MBF will test and certify RF cabling for continuity and resistance. On an as-needed basis, MBF will, at the request of the customer, coordinate with a trusted vendor to perform higher level RF sweeps to certify our vehicles to the customer's specific RF requirements.</p> <p><b>EAVA Certified:</b> In the highly competitive AV industry, education, training, and certification are important to the success of both individuals and companies. Like a professional license, certification instills confidence through reliable evidence of a critical set of knowledge and skills. Acquired fluency and expertise in any field saves valuable time and money, and ensures a higher level of customer service and satisfaction. The Extron Certification program is for AV professionals who wish to advance their knowledge of AV system technology, design, and configuration. The program consists of online and instructor-led training components and provides system integrators, installers, and consultants an opportunity to learn new skills, validate their skills, and gain a better understanding of the latest technologies and solutions.</p> <div style="text-align: right;">  </div> <p><b>Data and telecommunications testing:</b> MBF undertakes continuity and pair order testing on all data and telecommunications circuits within our vehicles using JDSU test equipment. This testing includes printed testing reports which correlate with labeled data circuits on the vehicle. Manufacturing, testing and certifying in this way allows MBF to custom tailor circuit design, propagation and termination to the specific needs of the customer's specialized requirement.</p>	
<p><b>17.8</b></p>	<p><b>After Sale Service &amp; Warranty</b></p> <p>Should the need arise, <u>All</u> service and warranty issues shall be submitted to MBF Industries, Inc. MBF shall provide national service coverage for any and all parts of the vehicle. Manufacturer must provide 24 hour access to resolve in action solutions for safe vehicle operations and vital communication requirements.</p> <div style="text-align: right;">  </div>	

17.9	<p><b>Freightliner Certified Up-Fitter</b></p> <p>MBF is an audited, certified and approved manufacturer and body builder utilizing Freightliner chassis for both domestic and export markets.  <b>Certification Data Code: AF3-2F5</b></p>	
17.10	<p><b>Freightliner Authorized Dealer</b></p> <p>MBF has had a long-standing philosophy to pass on our dealer pricing to the end user, as seen in the chassis specifications.</p> <p>Freightliner Certification# 73815</p>	
17.11	<p><b>NFPA 1901</b></p> <p>MBF recognizes all safety standards written with-in the NFPA 1901 NFPA® 1901 Standard for Automotive Fire Apparatus 2009 Edition  NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471  An International Codes and Standards Organization</p> <p>Copyright 2013 National Fire Protection Association (NFPA). Licensed, by agreement, for individual use and single download on January 30, 2013 to <u>MBF Industries</u> for designated user Craig Tidd. No other reproduction or transmission in any form permitted without written permission of NFPA. For inquires or to report unauthorized use, contact <a href="mailto:licensing@nfpa.org">licensing@nfpa.org</a>.</p>	
17.12	<p><b>NFPA 70</b></p> <p>MBF recognizes all safety standards written with-in the NFPA 70 Electrical Code.  NFPA® 70 National Electrical Code® 2014 Edition  NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471  An International Codes and Standards Organization</p> <p>Copyright 2014 National Fire Protection Association (NFPA). Licensed, by agreement, for individual use and download on November 4, 2014 to <u>MBF INDUSTRIES INC</u> for designated user JIM LONG. No other reproduction or transmission in any form permitted without written permission of NFPA. For inquires or to report unauthorized use, contact <a href="mailto:licensing@nfpa.org">licensing@nfpa.org</a>.</p>	
17.13	<p><b>EPA Clause FAR 16.203</b></p>	

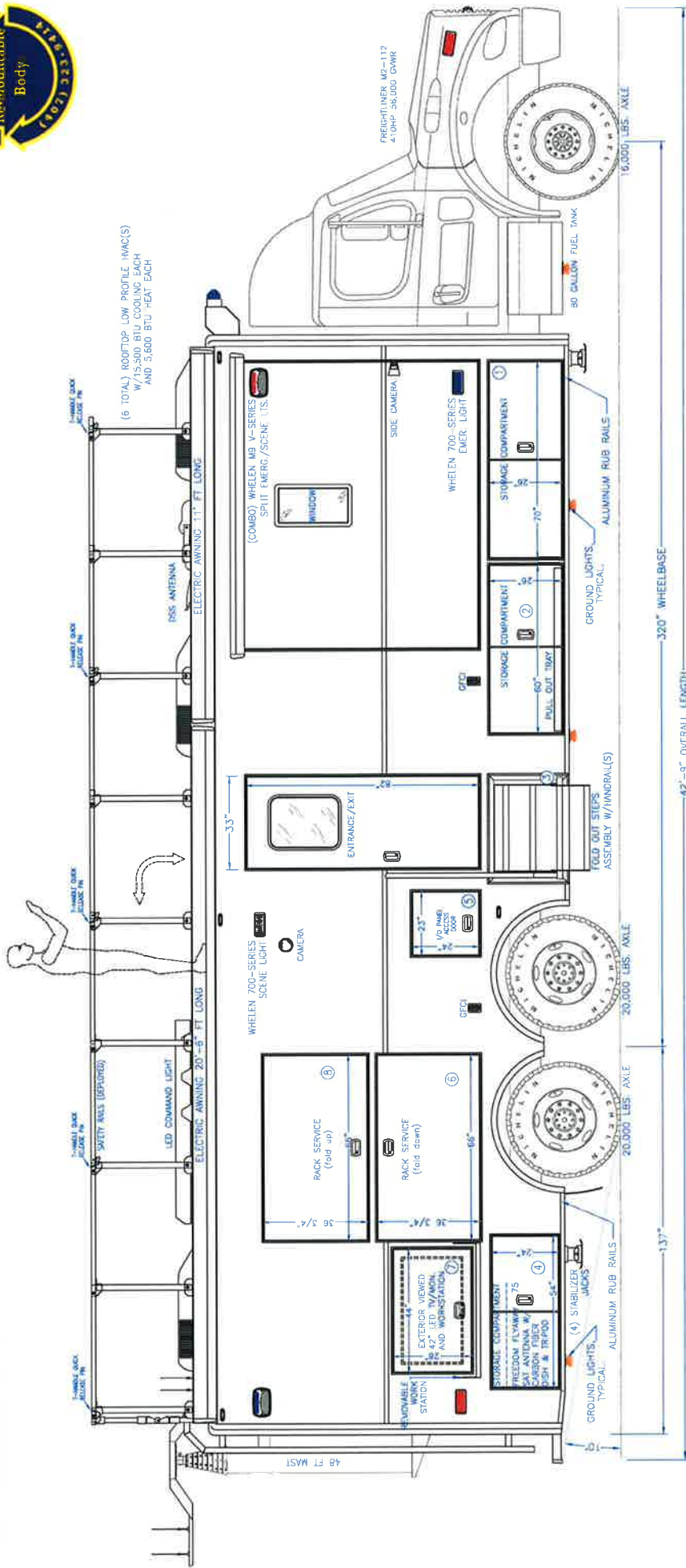
	MBF recognizes FAR 16.203 on all contracted projects, both foreign and domestic.	
<b>18.0</b>	<b>DELIVERY</b>	
	Vehicle pick up at MBF Plant in Sanford, FL The estimated build time for this project is approximately 11 months	
<b>19.0</b>	<b>TRAINING</b>	
	<p>Training to be conducted at MBF Industries, Inc. Sanford, FL. at no additional charge unless otherwise specified.</p> 	
<b>20.0</b>	<b>PROJECT MANAGEMENT SCHEDULE</b>	
	<p>Most projects typically utilize three (3) project meetings. Meetings shall be held at MBF Industries, Inc. Sanford, FL. unless otherwise specified. Transportation shall be provided by the customer.</p> <ul style="list-style-type: none"> <li>• Preconstruction (2 - 8hr days are allotted for this project) Typically we invite 3-4 people to attend the meeting from your agency <ol style="list-style-type: none"> <li>1. Project Manager</li> <li>2. IT Representative</li> <li>3. Fleet Manager</li> <li>4. Vehicle Operator</li> </ol> </li> <li>• Pre-wire <ol style="list-style-type: none"> <li>1. IT Representative</li> <li>2. Project Manager</li> </ol> </li> <li>• Final inspection <ol style="list-style-type: none"> <li>1. Project Manager</li> <li>2. IT Representative</li> </ol> </li> <li>• During the process, and once the building starts, MBF shall send monthly updates and photographs of the project status. For each visit, MBF shall provide complete access to the Project Manager and the team assigned to the project as well as the vehicle in production. All visits shall be scheduled with MBF's "CSA" (Customer Service Administrator) and agendas/goals shall be submitted to the customer 10 days prior to meeting dates.</li> </ul>	
<b>21.0</b>	<b>APPLICABLE TAXES &amp; FEES</b>	
	<p>Your company or agency may be subject to sales tax or F.E.T. taxes. Please consult with your MBF representative to ensure accurate information.</p> <ul style="list-style-type: none"> <li>• Trucks over 33,000 lbs. may be subject for F.E.T.</li> </ul>	

- Trailers over 26,000 lbs. may be subject to F.E.T.

Design changes beyond the pre-construction meeting are subject to change order fees. All change orders shall be billed on the final invoice. Should items become obsolete during the build process, MBF will make every effort to substitute an equal item of the same value. However, should there be a large price difference in either direction, MBF shall apply the difference to the final invoice.



NOTE: CONFIGURATION IS CONCEPTUAL. ACTUAL LAYOUT TO BE DETERMINED IN PRE-CONSTRUCTION MEETING.



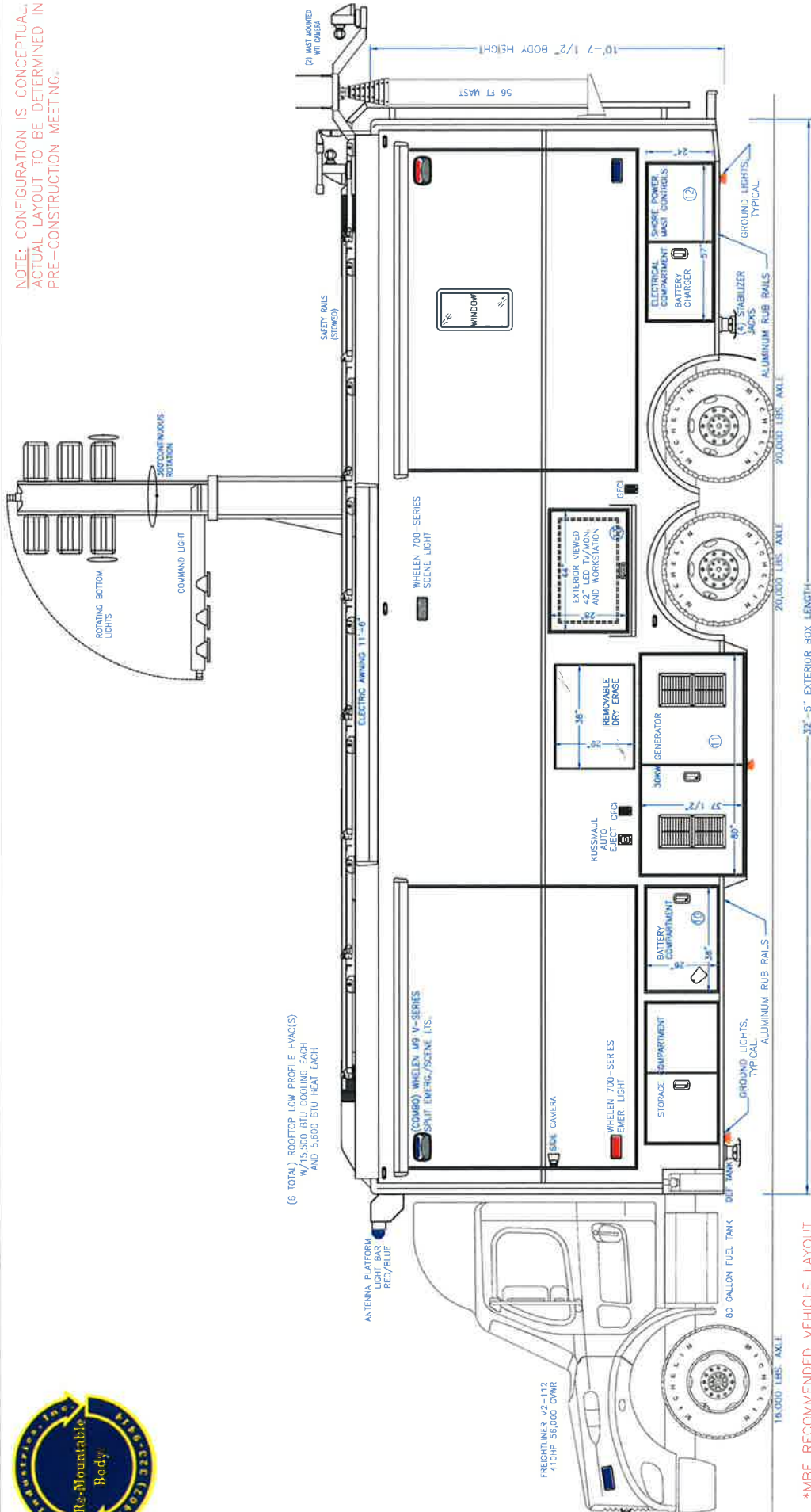
\*MBF RECOMMENDED VEHICLE LAYOUT AND DESIGN

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<b>PRELIMINARY SALES DRAWING</b>		DRAWING TYPE PROPOSAL		MOBILE COMMAND CENTER	
<b>ALL DIMENSIONS ARE APPROXIMATIONS</b>		DATE 5/1/2020		VIEW	
		VEHICLE TYPE FREIGHTLINER M2-112		CURBSIDE ELEVATION	
		<p>These drawings and/or specifications are the proprietary property and trade secrets of MBF Ind. and are issued in strict confidence. No reproduction or use shall be made without prior written consent of MBF Ind.</p>		DRAWN BY CAP/JMK/JEL	
		www.MBFIndustries.com		SCALE N/A	
210 TECH DRIVE SANFORD, FL 32771		P:407-323-9414 F:407-330-2068		SHEET 1 Of 5	
		P:407-323-9414 F:407-330-2068		SIZE B	





NOTE: CONFIGURATION IS CONCEPTUAL. ACTUAL LAYOUT TO BE DETERMINED IN PRE-CONSTRUCTION MEETING.

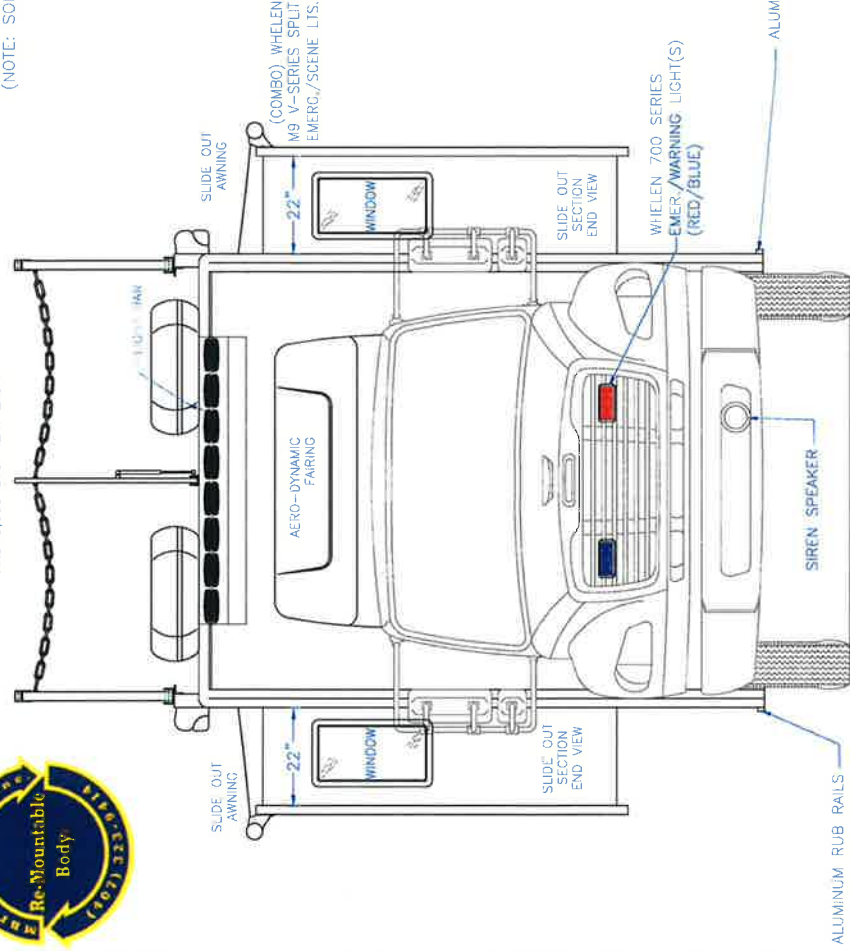


\*MBF RECOMMENDED VEHICLE LAYOUT AND DESIGN

<b>STATUS</b> PRELIMINARY SALES DRAWING ALL DIMENSIONS ARE APPROXIMATIONS	<b>MBF Industries, Inc.</b> ENGINEERED FOR LIFE		DRAWING NUMBER CP-17004-08 DRAWING TYPE PROPOSAL VEHICLE TYPE FREIGHTLINER M2-112	TITLE CORAL GABLES MOBILE COMMAND CENTER
	P-407-323-9414 F-407-330-2068 www.MBFIndustries.com	210 TECH DRIVE SANFORD, FL 32771	DATE 5/1/2020 VIEW STREET SIDE ELEVATION	DRAWN BY CAP/JMK/JEL SCALE N/A SHEET 2 Of 5

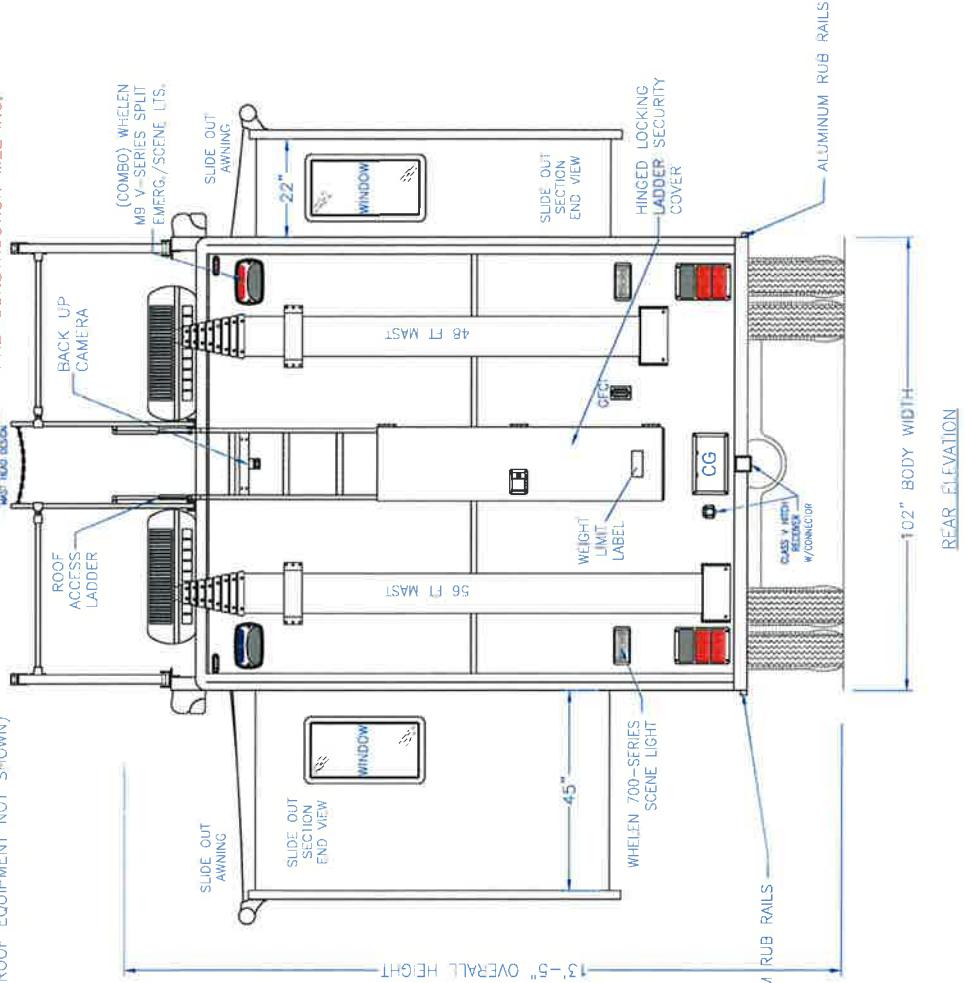


(6 TOTAL) ROOFTOP LOW PROFILE HVAC(S)  
W/15,500 BTU COOLING EACH  
AND 5,600 BTU HEAT EACH



(NOTE: SOME ROOF EQUIPMENT NOT SHOWN)

NOTE: CONFIGURATION IS CONCEPTUAL,  
ACTUAL LAYOUT TO BE DETERMINED IN  
PRE-CONSTRUCTION MEETING.

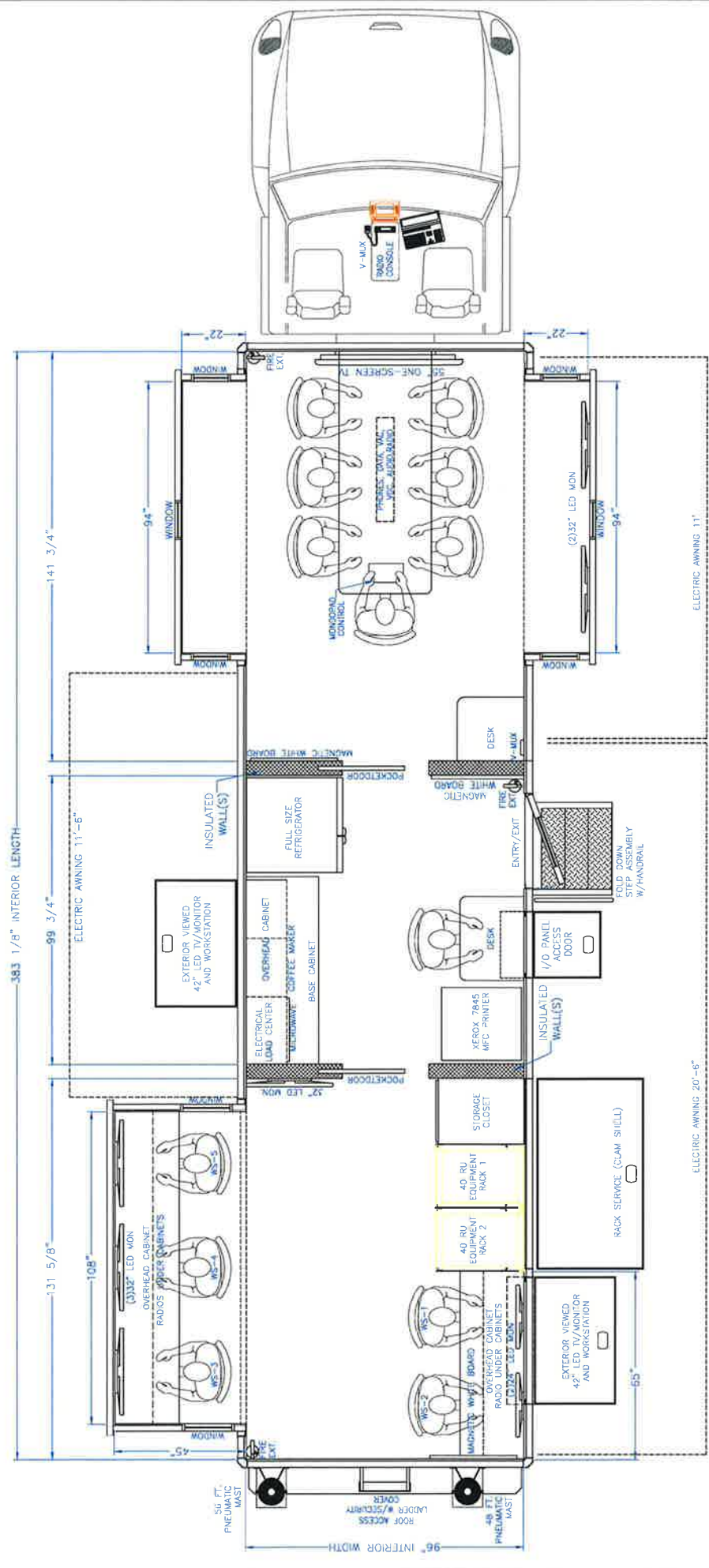


\*MBF RECOMMENDED VEHICLE LAYOUT  
AND DESIGN

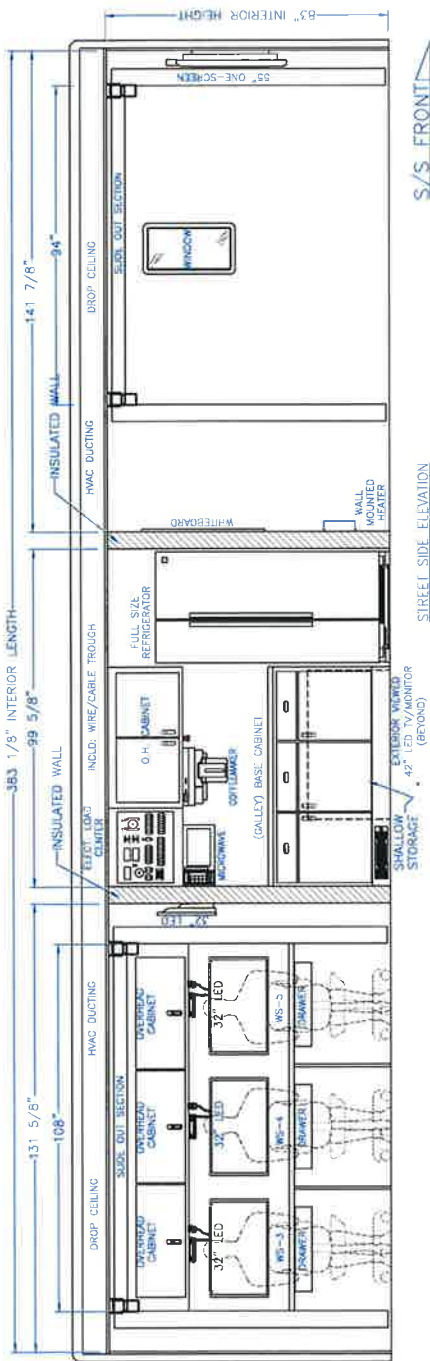
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	P:407-323-9414 F:407-330-2068	DATE 5/1/2020	VIEW FRONT - REAR ELEVATION	SCALE N/A
210 TECH DRIVE SANFORD, FL 32771		DRAWN BY CAP/JMK/JEL SHEET 3 OF 5		

\*MBF RECOMMENDED VEHICLE LAYOUT AND DESIGN

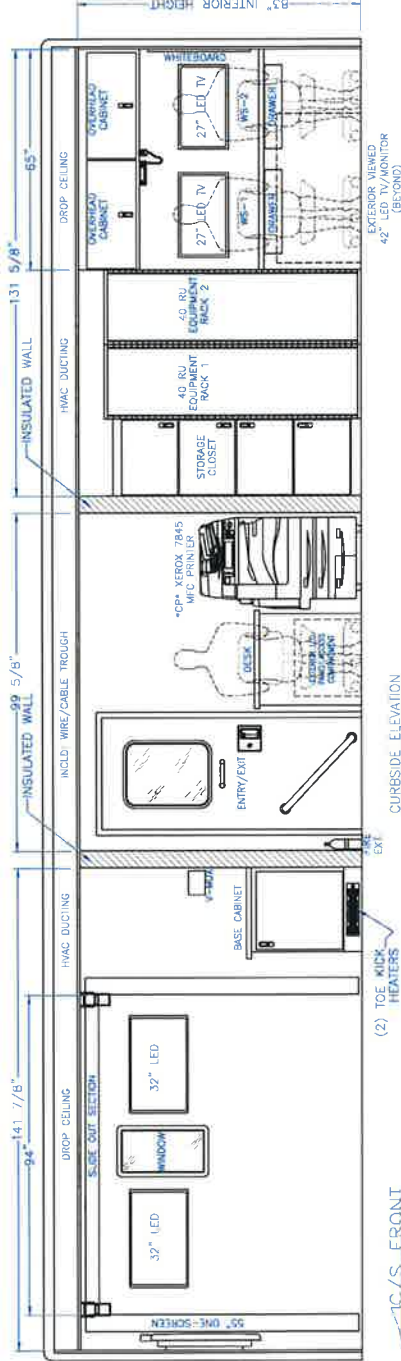
NOTE: CONFIGURATION IS CONCEPTUAL ACTUAL LAYOUT TO BE DETERMINED IN PRE-CONSTRUCTION MEETING.



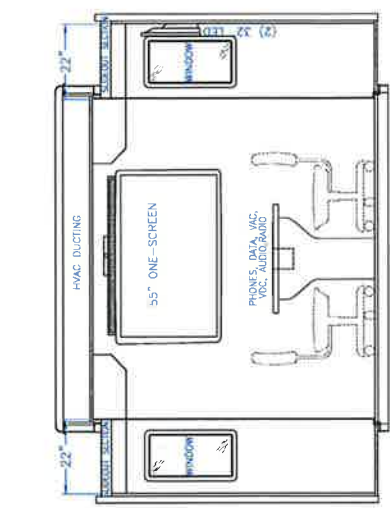
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	<p>210 TECH DRIVE SANFORD, FL 32771</p> <p>www.MBFIndustries.com</p> <p>P 407-323-9414 F 407-330-2068</p>	<p>DATE 5/1/2020</p>	<p>PROPOSAL</p>	<p>MOBILE COMMAND CENTER</p>
<p>VIEW</p>		<p>VEHICLE TYPE FREIGHTLINER M2-112</p>	<p>VIEW FLOOR PLAN</p>	<p>SCALE N/A</p>
<p>SIZE</p>		<p>SCALE N/A</p>	<p>SCALE N/A</p>	<p>SIZE B</p>



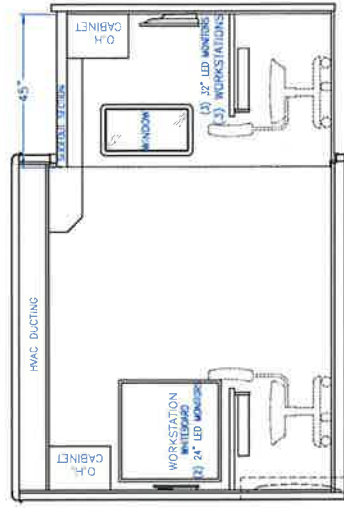
S/S FRONT



S/S SIDE ELEVATION



INTERIOR FRONT WALL ELEVATION



INTERIOR REAR WALL ELEVATION

**STATUS**  
**PRELIMINARY SALES DRAWING**  
**ALL DIMENSIONS**  
**ARE APPROXIMATIONS**



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DRAWING NUMBER	CP-17004-08	TITLE	CORAL CABLES
DRAWING TYPE	PROPOSAL	DATE	5/1/2020
VEHICLE TYPE	FREIGHTLINER M2-112	VIEW	MOBILE COMMAND CENTER
These drawings and/or specifications are the proprietary property and trade secrets of MBF Ind. and are issued in strict confidence. No reproduction or use shall be made without prior written consent of MBF Ind.		INTERIOR ELEVATIONS	SCALE
		DRAWN BY	CAP/JMK/JEL
		SHEET	5 Of 5
		SIZE	N/A
			B