# AGENDA CITY OF LEXINGTON REGULAR COUNCIL MEETING MARCH 2, 2017 – 7:00 P.M. 9180 LEXINGTON AVENUE

- 1. CALL TO ORDER: Mayor Kurth
- A. Roll Call Council Members: DeVries, Harris, Hughes and Murphy

#### 2. CITIZENS FORUM

This is a portion of the Council meeting where individuals will be allowed to address the Council on subjects which are not a part of the meeting agenda. Persons wishing to speak may be required to complete a sign-up sheet and give it to a staff person at the meeting. The Council may take action or reply at the time of the statement or may give direction to staff for future action based on the concerns expressed.

#### 3. APPROVAL OF AGENDA WITH CHANGES AND CORRECTIONS

#### 4. INFORMATIONAL REPORTS:

- A. Airport (Councilmember Harris)
- B. Cable Commission (Councilmember Payment)
- C. City Administrator (Bill Petracek)

#### 5. LETTERS AND COMMUNICATIONS:

A. Centennial Lakes Police Department Media Report:

	. •	2-9-17 through 2-15-17		•		pp. 1-5
	•	2-16-17 through 2-22-17				pp. 6-8
В.	Rice Creek V	Watershed District Notice o	f Public Hea	ring –	March 8, 2017	

Oasis Pond Iron-Enhanced Sand Filter Project

	<ul> <li>Forest Lake High School Stormwater Reuse Project</li> </ul>	pp. 10
C.	Anoka County Parks and Community Services - February Newsletter	рр. 11-18

pp. 9

D. Public Notice – February P&Z meeting cancellation
 E. Council Workshop meeting minutes – February 16, 2017
 pp. 20-21

#### Consent Agenda:

The Consent Agenda covers routine administrative matters. These items are not discussed, and are approved in their entirety pursuant to the recommendations on the staff reports. A Council Member or citizen may ask that an item be moved from the Consent

Agenda to the end of section 7 of the agenda in order to be discussed and receive separate action.

#### 6. CONSENT ITEMS:

A. Recommendation to Approve Council Minutes: Council Meeting – February 16, 2017

pp. 22-24

B. Recommendation to Approve Claims and Bills:

pp. 25-34

Check #'s 13508 through 13510 Check #'s 41760 through 41812 Check #'s 11311 through 11326

#### **Action Items:**

These items are intended primarily for Council discussion and action. It is up to the discretion of the Mayor as to what, if any, public comment will be heard on these items. Persons wishing to speak on discussion items must complete a sign-up sheet and give it to a staff person at the meeting.

#### 7. ACTION ITEMS:

- A. Recommendation to approve Single Use Event Permit for City Heat Charities 
  June 4, 2017 Charitable Bike Ride pending Police and Fire approval

  pp. 35-45
- B. Recommendation to approve Fire Truck purchase of
   Ford 550 /Alum/300G/CPK2 in the amount of \$217,684.75 from the Equipment
   Replacement Fund
- C. Recommendation to approve Proclamation Declaring March 7, 2017 as

  A Day of Action to End Domestic Violence pp. 121-123

#### 8. MAYOR AND COUNCIL INPUT

#### 9. ADJOURNMENT

/mv

#### **Centennial Lakes Police Department**

# Media Report 2/9/17 through 2/15/17

**CASE NUMBER:** 

17030189

**CASE DESCRIPTION:** 

**CHECK WELFARE** 

INCIDENT DATE:

2/9/17

**INCIDENT LOCATION:** 

38XX RESTWOOD RD, LEXINGTON, MN

NARRATIVE:

WELFARE CHECK

OFFICERS WERE DISPATCHED A PHONE CALL CHECK THE WELFARE.

OFFICERS TOOK INFORMATION FROM THE CALLER WHO WAS CONCERNED ABOUT A FRIEND. OFFICERS LOCATED THE FRIEND IN THE 3800 BLOCK OF RESTWOOD RD AND DETERMINED THERE WAS NO IMMEDIATE CONCERN AT

THIS TIME.

CASE NUMBER:

17030411

CASE DESCRIPTION:

DOMESTIC-VERBAL

INCIDENT DATE:

2/9/17

INCIDENT LOCATION:

90XX LEXINGTON AVE, LEXINGTON, MN

NARRATIVE:

VERBAL DOMESTIC

POLICE WERE DISPATCHED TO THE 9000 BLOCK OF LEXINGTON REGARDING

A VERBAL DOMESTIC BETWEEN TWO PARTIES. BOTH PARTIES WERE

CONTACTED BY POLICE AND ADVISED WITHOUT INCIDENT.

**CLEARED** 

CASE NUMBER:

17030760

**CASE DESCRIPTION:** 

CHECK WELFARE

INCIDENT DATE:

2/10/17

INCIDENT LOCATION:

95XX ASPEN AVE, LEXINGTON, MN

NARRATIVE:

WELFARE CHECK-A WELFARE CHECK WAS CONDUCTED IN THE 9500 BLOCK

OF ASPEN AVE. INACTIVE.

CASE NUMBER:

17030541

CASE DESCRIPTION:

WARRANT ARREST

INCIDENT DATE:

2/9/17

**INCIDENT LOCATION:** 

NAPLES AVE/FLOWERFIELD RD, CIRCLE PINES, MN

NARRATIVE:

OFFICERS STOPPED A VEHICLE FOR EXPIRED TABS ON NAPLES AVE AND LAKE DR. OFFICERS FOUND THAT THE PASSENGER HAD A WARRANT AND PLACED HIM UNDER ARREST. THE DRIVER WAS TRANSPORTED TO THE ANOKA COUNTY JAIL AND THE DRIVER WAS RELEASED TO A VALID DRIVER.

CLEARED.

CASE NUMBER:

17031036

CASE DESCRIPTION:

HOUSE/PROPERTY CHECK

INCIDENT DATE:

2/10/17

INCIDENT LOCATION:

CIRCLE PINES, MN

NARRATIVE:

CASE NUMBER:

17031034

CASE DESCRIPTION:

WARRANT ARREST

INCIDENT DATE:

2/10/17

**INCIDENT LOCATION:** 

3X VILLAGE PKWY, CIRCLE PINES, MN

NARRATIVE:

AN ADULT FEMALE AND ADULT MALE WERE ARRESTED FOR OUTSTANDING WARRANTS IN THE 30 BLOCK OF VILLAGE PKWY. BOTH WERE LEFT IN THE

CUSTODY OF THE RAMSEY COUNTY SHERIFF'S OFFICE.

CLEARED BY ARREST.

CASE NUMBER: CASE DESCRIPTION:

17030980 DOMESTIC

INCIDENT DATE:

2/10/17

INCIDENT LOCATION:

3X VILLAGE PKWY, CIRCLE PINES, MN

NARRATIVE:

POLICE RESPONDED TO A REPORT OF A DOMESTIC ASSAULT IN THE 30 BLOCK OF VILLAGE PARKWAY. AFTER SPEAKING WITH INVOLVED PARTIES, IT

WAS DETERMINED THAT THE REPORT WAS UNFOUNDED.

UNFOUNDED.

**CASE NUMBER:** 

17031317

CASE DESCRIPTION:

BARKING DOG - DISTURBING

**INCIDENT DATE:** 

2/10/17

INCIDENT LOCATION:

9X WEST RD, CIRCLE PINES, MN

NARRATIVE:

OFFICERS WERE DISPATCHED TO A BARKING DOG COMPLAINT ON THE 90 BLOCK OF WEST RD. OFFICERS FOUND THE DOG TO BE VIOLATING THE CIRCLE PINES NOISE ORDINANCE. INFORMATION HAS BEEN PASSED ON TO

THE COMMUNITY SERVICE OFFICER.

CLEARED.

CASE NUMBER:

17030820 COUNTERFEIT

CASE DESCRIPTION: INCIDENT DATE:

2/10/17

**INCIDENT LOCATION:** 

1ST BLOCK PINE DR, CIRCLE PINES, MN

NARRATIVE:

COUNTERFEIT BILL-A COUNTERFEIT BILL WAS TURNED OVER TO POLICE

FROM THE 1ST BLOCK OF PINE DR. INACTIVE.

CASE DESCRIPTION:

ASSAULT 2/10/17

**INCIDENT LOCATION:** 

INCIDENT DATE:

38XX WOODLAND RD, LEXINGTON, MN

NARRATIVE:

OFFICERS WERE DISPATCHED TO A DISTURBANCE THAT OCCURRED AT THE 3800 BLOCK OF WOODLAND RD. UPON ARRIVAL OFFICERS FOUND THAT SOMEONE HAD SHOT AT THE RESIDENCE WITH A BB GUN. OFFICERS SEARCHED THE AREA BUT WERE UNABLE TO FIND THE SUSPECT VEHICLE.

**ACTIVE/OPEN** 

CASE NUMBER:

17031639

CASE DESCRIPTION:

ASSIST OTHER AGENCY

INCIDENT DATE:

2/11/17

**INCIDENT LOCATION:** 

LINO LAKES, MN

NARRATIVE:

ASSIST TO OTHER LAW ENFORCEMENT AGENCY-OFFICER SUMMONED TO

LINO LAKES TO ASSIST WITH A MEDICAL EMERGENCY. INACTIVE.

P2

**CASE NUMBER:** 

17032381

**CASE DESCRIPTION:** 

VEHICLE-LOCKOUT

INCIDENT DATE:

2/12/17

INCIDENT LOCATION:

CENTERVILLE, MN

NARRATIVE:

CASE NUMBER:

17032477

CASE DESCRIPTION:

VEHICLE-LOCKOUT

INCIDENT DATE:

2/12/17

**INCIDENT LOCATION:** 

LEXINGTON, MN

NARRATIVE:

**CASE NUMBER:** 

17031767

CASE DESCRIPTION:

**CHECK WELFARE** 

INCIDENT DATE:

2/11/17

**INCIDENT LOCATION:** 

95XX ASPEN AVE, LEXINGTON, MN

NARRATIVE:

POLICE RESPONDED TO CHECK THE WELFARE OF A MALE IN THE 9500

BLOCK OF ASPEN AVENUE.

CLEAR.

**CASE NUMBER:** 

17032551

**CASE DESCRIPTION:** 

DOMESTIC-VERBAL

INCIDENT DATE:

2/12/17

**INCIDENT LOCATION:** 

CIRCLE PINES, MN

NARRATIVE:

ON 02/12/2017 I WAS DISPATCHED TO A VERBAL DOMESTIC IN THE 0 BLOCK

OF NORTH ROAD.

PARTIES SEPARATED WITHOUT CONFLICT.

**CASE NUMBER:** 

17031725

**CASE DESCRIPTION:** 

**DOMESTIC** 

INCIDENT DATE:

2/11/17

**INCIDENT LOCATION:** 

95XX ASPEN AVE, LEXINGTON, MN

NARRATIVE:

DOMESTIC-OFFICER'S WERE SUMMONED TO THE 9500 BLOCK OF ASPEN AVE

REGARDING A DOMESTIC SITUATION. INACTIVE.

CASE NUMBER:

17032758

CASE DESCRIPTION:

**DWI-4TH DEGREE** 

INCIDENT DATE:

2/13/17

INCIDENT LOCATION:

RESTWOOD RD/SYNDICATE AVE, LEXINGTON, MN

NARRATIVE:

OFFICERS STOPPED A VEHICLE FOR A MOVING VIOLATION THAT OCCURRED AT THE INTERSECTION OF LAKE DR & RESTWOOD RD. OFFICERS FOUND THE DRIVER TO BE UNDER THE INFLUENCE OF ALCOHOL. DRIVER WAS PLACED UNDER ARREST FOR THE OFFENSE AND THEN RELEASED TO A SOBER

PERSON. CLEARED. CASE NUMBER: CASE DESCRIPTION: 17033245 MAIL THEFT

INCIDENT DATE:

2/13/17

**INCIDENT LOCATION:** 

5X CIRCLE DR, CIRCLE PINES, MN

NARRATIVE:

ON 02/13/2017 I RECEIVED A WALK IN REPORT AT BASE REGARDING MAIL

THEFT

INFORMATION WAS PASSED TO OTHER OFFICERS FOR EXTRA PATROL.

**CASE NUMBER:** 

17033366

**CASE DESCRIPTION:** 

ASSIST OTHER AGENCY

INCIDENT DATE:

2/13/17

INCIDENT LOCATION:

CIRCLE PINES, MN

NARRATIVE:

ASSISTED LINO LAKES WITH A SUICIDAL MALE IN HIS VEHICLE.

**CASE NUMBER:** 

17032766

**CASE DESCRIPTION:** 

THEFT

INCIDENT DATE:
INCIDENT LOCATION:

2/13/17 89XX DUWAYNE AVE, LEXINGTON, MN

**NARRATIVE:** 

THEFT

POLICE TOOK A PHONE CALL IN REGARDS TO A DELAYED THEFT REPORT FROM THE 8900 BLOCK OF DUWAYNE AVENUE. POLICE GATHERED ALL PERTINENT INFORMATION FROM THE VICTIM. POLICE ADVISED THE VICTIM THAT NO FURTHER INVESTIGATION WILL BE CONDUCTED TO THIS INCIDENT.

**CLEAR** 

CASE NUMBER:

17033207

CASE DESCRIPTION:

**LOST ANIMAL** 

INCIDENT DATE:

2/13/17

**INCIDENT LOCATION:** 

3X VILLAGE PKWY, CIRCLE PINES, MN

NARRATIVE:

ON 02/13/2017, I WAS INFORMED OF A MISSING ANIMAL WITHIN THE 30 BLOCK

OF VILLAGE PARKWAY.

INFORMATION PASSED ONTO PATROL.

**CASE NUMBER:** 

17033689

CASE DESCRIPTION:

ACCIDENT-MV HR PD

INCIDENT DATE:

2/14/17

**INCIDENT LOCATION:** 

2X EAST GOLDEN LAKE RD, CIRCLE PINES, MN

NARRATIVE:

H/R PD: RESPONDED TO BASE FOR A WALK IN REPORT ADVISING UNKNOWN SUSPECT DAMAGED MAILBOX IN THE 20 BLOCK OF EAST GOLDEN LAKE RD. VEHICLE AND SUSPECT FAILED TO STOP AND CAUSED ABOUT \$200.00 IN

DAMAGE.

CASE NUMBER:

INCIDENT DATE:

17033484 HARASSMENT

CASE DESCRIPTION:

2/13/17

**INCIDENT LOCATION:** 

89XX DUWAYNE AVE, LEXINGTON, MN

NARRATIVE:

**HARASSMENT** 

ON THE AFOREMENTIONED DATE AND TIME, I WAS DISPATCHED A PHONE CALL HARASSMENT COMPLAINT IN THE 8900 BLOCK OF DUWAYNE AVE.

PARTIES MEDIATED.

P4

CASE NUMBER:

17033967

CASE DESCRIPTION:

**VEHICLE-LOCKOUT** 

INCIDENT DATE:

2/14/17

INCIDENT LOCATION:

CENTERVILLE, MN

NARRATIVE:

P5

#### **Centennial Lakes Police Department Media Report**

2/16/17 through 2/22/17

**CASE NUMBER:** 

17035669

**CASE DESCRIPTION:** 

TRAFFIC-CARELESS DRIVING

INCIDENT DATE:

2/16/17

**INCIDENT LOCATION:** 

MAIN ST/20TH AVE, CENTERVILLE, MN

NARRATIVE:

A VEHICLE WAS STOPPED FOR A RED LIGHT VIOLATION IN THE AREA OF

MAIN STREET AND 20 AVENUE. THE ADULT MALE DRIVER WAS

SUBSEQUENTLY CITED FOR OPEN CONTAINER OF ALCOHOL IN A VEHICLE, CARELESS DRIVING, AND FAIL TO STOP FOR A RED LIGHT VIOLATION.

CLEAR.

**CASE NUMBER:** 

17035899

CASE DESCRIPTION:

HOUSE/PROPERTY CHECK

INCIDENT DATE:

2/17/17

INCIDENT LOCATION:

CIRCLE PINES, MN

NARRATIVE:

**CASE NUMBER:** 

17038283

CASE DESCRIPTION:

VEHICLE LOCKOUT

INCIDENT DATE:

2/20/17

**INCIDENT LOCATION:** 

CIRCLE PINES, MN

NARRATIVE:

CASE NUMBER:

17038490

CASE DESCRIPTION:

THEFT-NO PAY

INCIDENT DATE:

2/20/17

INCIDENT LOCATION:

3XX NOTTINGHAM DR, CIRCLE PINES, MN

NARRATIVE:

THEFT - NO PAY

POLICE WERE DISPATCHED TO THE 300 BLOCK OF NOTTINGHAM DRIVE ON A NON PAYMENT OF CAB SERVICES. POLICE WERE ABLE TO MEDIATE THE

PAYMENT BETWEEN THE PARTY AND DRIVER WITHOUT INCIDENT.

CLEARED.

CASE NUMBER:

17038454

CASE DESCRIPTION:

DOMESTIC-VERBAL

INCIDENT DATE:

2/20/17

CIRCLE PINES, MN INCIDENT LOCATION: NARRATIVE: VERBAL DOMESTIC

POLICE WERE DISPATCHED TO THE 10 BLOCK OF EAST ROAD ON A VERBAL DOMESTIC BETWEEN A FEMALE AND MALE. ITEMS WERE EXCHANGED AND

MALE WAS TRANSPORTED TO A HOME NEARBY.

**CLEARED** 

**CASE NUMBER:** 

17037742

CASE DESCRIPTION:

**CHECK WELFARE** 

INCIDENT DATE:

2/19/17

**INCIDENT LOCATION:** 

90XX LEXINGTON AVE, LEXINGTON, MN

NARRATIVE:

**CHECK WELFARE** 

POLICE WERE DISPATCHED TO THE 9000 BLOCK OF LEXINGTON AVE ON A WELFARE CHECK OF A MALE AND FEMALE. POLICE MADE CONTACT WITH BOTH WITH NO PROBLEM. PARTY DID NOT HAVE VALID DRIVERS LICENSE. PARTY WAITED AT A NEARBY HOME UNTIL A VALID DRIVER WAS AVAILABLE

TO MEET WITH THEM.

CLEARED.

**CASE NUMBER:** 

17036693

CASE DESCRIPTION:

DAMAGE TO PROPERTY

**INCIDENT DATE:** 

2/18/17

INCIDENT LOCATION:

1X PINE DR S, CIRCLE PINES, MN

NARRATIVE:

DAMAGE TO PROPERTY-POLICE SUMMONED TO THE 10 BLOCK OF PINE DR

ON THE REPORT OF PROPERTY DAMAGE. INACTIVE.

**CASE NUMBER:** 

17037158

**CASE DESCRIPTION:** 

INCIDENT LOCATION:

ALARM-CO/FIRE

INCIDENT DATE:

2/18/17 20XX WILLOW CIR, CENTERVILLE, MN

NARRATIVE:

SMOKE ALARM

OFFICERS WERE DISPATCHED TO THE 2000 BLOCK OF WILLOW CIR ON A REPORT OF AN UNKNOWN ALARM. OFFICERS DETERMINED IT WAS POSSIBLY A SMOKE DETECTOR SOUNDING. CENTENNIAL FIRE RESPONDED, GAINED ACCESS TO THE RESIDENCE AND DETERMINED IT WAS A FAULTY SMOKE

DETECTOR. CLEAR.

**CASE NUMBER:** 

17037144

CASE DESCRIPTION:

PARKING COMPLAINT

INCIDENT DATE:

2/18/17

INCIDENT LOCATION:

3X INNER DR. CIRCLE PINES. MN

NARRATIVE:

OFFICERS TOWED A VEHICLE FROM THE 30 BLOCK OF INNER DR FOR A CITY

ORDINANCE VIOLATION.

CASE NUMBER:

17036084

CASE DESCRIPTION:

BURGLARY-RESIDENTIAL

INCIDENT DATE:

2/17/17

INCIDENT LOCATION:

89XX DUWAYNE AVE, LEXINGTON, MN

NARRATIVE:

POSSIBLE BURGLARY

MALE IN THE 8900 BLOCK OF DUWAYNE AVE REPORTS \$100 WORTH OF

STEAKS STOLEN FROM HIS FREEZER.

**CASE NUMBER:** 

17035421

CASE DESCRIPTION:

**ALARM-BUSINESS** 

INCIDENT DATE:

2/16/17

INCIDENT LOCATION:

CIRCLE PINES, MN

NARRATIVE:

**P7** 

**CASE NUMBER:** 

17037950

**CASE DESCRIPTION:** 

SUICIDE ATTEMPT/THREAT

INCIDENT DATE:

2/20/17

**INCIDENT LOCATION:** 

3X VILLAGE PKWY, CIRCLE PINES, MN

NARRATIVE:

OFFICERS WERE DISPATCHED TO THE 30 BLOCK OF VILLAGE PKWY FOR A MEDICAL EMERGENCY. THE VICTIM WAS TRANSPORTED TO THE HOSPITAL BY AMBULANCE. OFFICERS FOUND ONE OF THE WITNESSES TO HAVE A MARRANT AND MARCHINESPER ADDRESS. THE WITNESSES TO HAVE A

WARRANT AND WAS PLACED UNDER ARREST. THE WITNESS WAS

TRANSPORTED TO JAIL.

CLEAR.

**CASE NUMBER:** 

17037989

CASE DESCRIPTION:

WARRANT ARREST

INCIDENT DATE:

2/20/17

INCIDENT LOCATION: NARRATIVE:

CIRCLE PINES, MN

OFFICERS WERE DISPATCHED TO THE 0 BLOCK OF PINE DR FOR AN UNRULY MALE. OFFICERS FOUND THAT ONE OF THE OCCUPANTS OF THE HOUSE HAD

MALE. OFFICERS FOUND THAT ONE OF THE OCCUPANTS OF THE HOUSE HAD A WARRANT. THE OCCUPANT OF THE HOUSE WAS PLACED UNDER ARREST

AND TRANSPORTED TO JAIL.

CLEAR.

**CASE NUMBER:** 

17039014

CASE DESCRIPTION:

THEFT

INCIDENT DATE:

2/21/17

INCIDENT LOCATION:

95XX DUNLAP AVE, LEXINGTON, MN

NARRATIVE:

THEFT: RESPONDED TO BASE ON A WALK IN REPORT IN REGARDS TO A THEFT IN THE 9500 BLOCK OF DUNLAP AVE IN LEXINGTON. COMP ADVISED SUSPECT HAS BEEN STEALING PRESCRIPTION DRUGS AND PERSONAL PROPERTY FROM HER RESIDENCE. INVESTIGATION CONTINUES.

CASE NUMBER:

17039036

CASE DESCRIPTION:

THEFT 2/21/17

INCIDENT DATE:

95XX DUNLAP AVE, LEXINGTON, MN

INCIDENT LOCATION: NARRATIVE:

THEFT

OFFICERS RESPONDED TO THE THEFT OF A WOODEN BENCH IN THE 9500

BLOCK OF DUNLAP AVE. NO SUSPECTS AT THIS TIME.

CLEARED.

CASE NUMBER:

17039301

**CASE DESCRIPTION:** 

THEFT FROM MOTOR VEHICLE

INCIDENT DATE:

2/21/17

**INCIDENT LOCATION:** 

89XX SYNDICATE AVE, LEXINGTON, MN

NARRATIVE:

THEFT

OFFICERS TOOK A REPORT OF THEFT FROM A MOTOR VEHICLE. THE THEFT OCCURRED OVERNIGHT. A SMALL AMOUNT OF CHANGE WAS TAKEN, NO

SUSPECTS AT THIS TIME.

CLEARED.

CASE NUMBER:

17038182

CASE DESCRIPTION:

ALARM-RESIDENTIAL

INCIDENT DATE:

2/20/17

INCIDENT LOCATION:

CIRCLE PINES, MN

NAKKATIVE:

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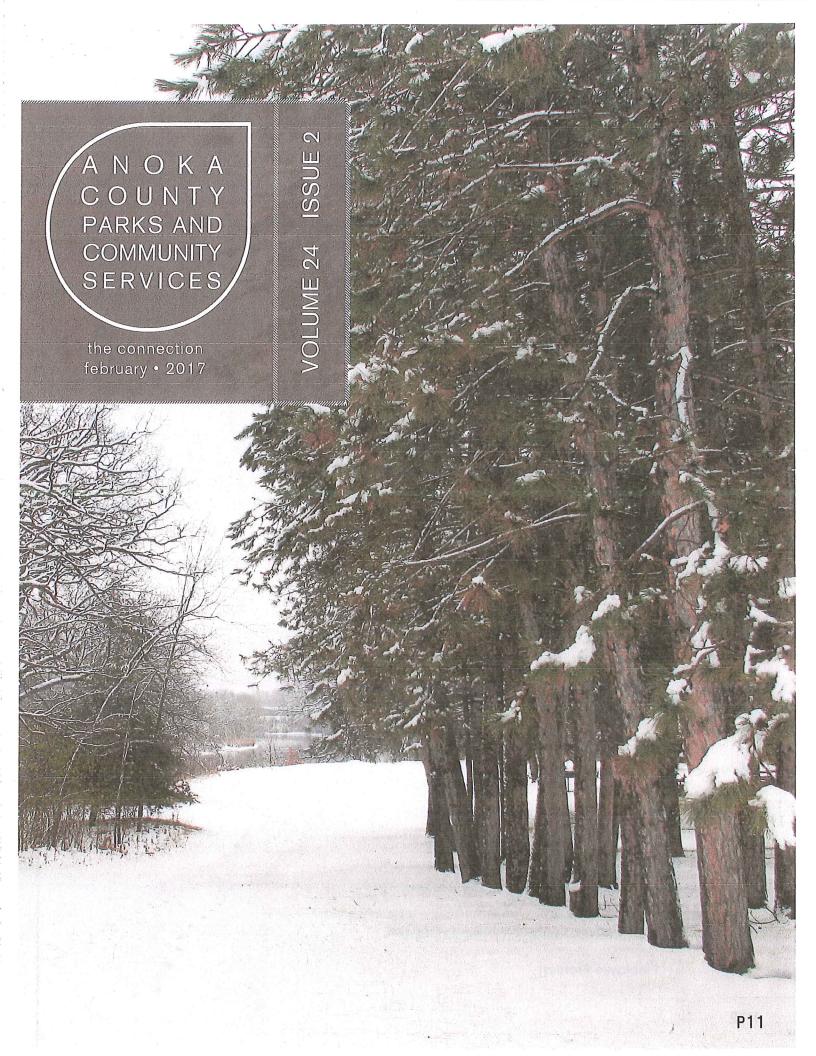
### NOTICE OF PUBLIC HEARING on Oasis Pond Iron-Enhanced Sand Filter Project

PLEASE TAKE NOTICE that at its **regular board meeting on Wednesday, March 8, 2017 at 9:00 a.m.** in the Shoreview City Council Chambers, 4600 North Victoria Street, Shoreview, Minnesota, the Rice Creek Watershed District (RCWD) Board of Managers will receive public comment under Minnesota Statutes 103B.251 on the ordering of the following project: Oasis Pond Iron-Enhanced Sand Filter Project. The RCWD has obtained a Clean Water Fund grant through the Board of Water and Soil Resources for this project. The total project cost will be approximately \$350,000. The RCWD's share of cost for the project will be approximately \$60,000 and would be funded by general tax levy on real property within the watershed (Anoka County \$16,279, Hennepin County \$468, Ramsey County \$31,388, Washington County \$11,866). A project concept plan can be reviewed at www.ricecreek.org or at the District office, 4325 Pheasant Ridge Drive NE, Suite 611, Blaine, MN 55449. 763-398-3070



### NOTICE OF PUBLIC HEARING on Forest Lake High School Stormwater Reuse Project

PLEASE TAKE NOTICE that at its regular board meeting on Wednesday, March 8, 2017 at 9:00 a.m. in the Shoreview City Council Chambers, 4600 North Victoria Street, Shoreview, Minnesota, the Rice Creek Watershed District (RCWD) Board of Managers will receive public comment under Minnesota Statutes 103B.251 on the ordering of the following project: Forest Lake High School Stormwater Reuse Project. The City of Forest Lake has obtained a Clean Water Fund grant through the Board of Water and Soil Resources for this project. The total project cost will be approximately \$631,250. The RCWD's share of cost for the project will be approximately \$50,000 and would be funded by general tax levy on real property within the watershed (Anoka County \$13,566, Hennepin County \$390, Ramsey County \$26,156, Washington County \$9,888). A project concept plan can be reviewed at www.ricecreek.org or at the District office, 4325 Pheasant Ridge Drive NE, Suite 611, Blaine, MN 55449. 763-398-3070





### EVENTS AND UPDATES

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### FROM THE DIVISION MANAGER:

We are now well into a new year, filled with hopes and aspirations for a better world. Our Parks and Community Services Division will be doing its part to improve the quality of lives right here in Anoka County in 2017. As we move ahead, a wide variety of exciting initiatives have been put in place by each of our three departments.

This month, I'll give you a quick overview of a few goals in the Parks and Recreation Department. These are just a sampling from among the 74 goals generated by our staff and reviewed with the Parks and Community Services Committee of the County Board.

#### Policy and Planning

- Work with the regional park agencies in support of legislation for regional parks, including: operations funding, park and trail legacy funding, and regional parks bonding.
- Complete a scope of work for updating the County's comprehensive park system plan.
- Implement grant project improvements at Bunker Hills, Mississippi West, Riverfront, and Rice Creek Chain of Lakes Regional Parks; Wargo Nature Center; and Manomin Park.
- Complete the redevelopment of Coon Lake County Park and a new multi-use facility.

#### Resource Management

- Manage, lead and train three young adult conservation programs in the park system: AmeriCorps, Conservation Corps Minnesota, and the Green Corps.
- Complete Outdoor Heritage Legacy restoration projects at Rum River Central and Mississippi West Regional Park
- Implement the final large equipment replacement acquisition as part of the department's 10 year operating capital CIP.
- Begin implementing the long-range maintenance facility plan with a new support structure at Rice Creek Chain of Lakes.

#### Visitor Services

- Hire a communications specialist to focus on outreach and connecting people to the outdoors.
- Update the Parks and Recreation System Ordinance.
- Implement new technology to enhance the campground check-in procedure.
- Continue development of the interpretive sign program for regional parks.

#### **Program Services**

- Begin the process for developing new interior displays and educational kiosks at Wargo Nature Center.
- Complete the final phase of developing the new learning kiosks at the Heritage Lab at Wargo.
- Develop construction documents for the refurbishment of the Twisted Towers slides at Bunker Beach.
- Complete and open up the new #6 and #17 greens at Chomonix Golf Course.

We look forward to working with the County Board, our talented staff, and a wide array of allied organizations and agencies on the goals of the Parks and Recreation Department in 2017. In March, I'll outline the 2017 goals for the License Bureau and the Recycling and Resource Solutions Department.

In the meantime, I'll see you on the trails.

John VonDeLinde

# NATURAL RESOURCE STAFF MONITORS O2 LEVELS IN AREA LAKES



Over the course of the winter, lakes experience a decrease in dissolved oxygen (DO) levels which can lead to fish kills. This decline in DO varies each year based on when the lake freezes over and how early the ice is covered by a thick layer of snow, which decreases light availability for aquatic plants to carry out photosynthesis. The operation of aeration systems can keep the DO level above the threshold for fish kills. In an effort to prevent fish kills, while minimizing aeration costs, the Natural Resource crew conducts periodic DO tests on four lakes in Anoka County: Centerville, Coon, Martin, and Peltier Lakes. The crew drills a hole through the ice near the deepest spot of the lake and takes readings for DO and temperature every two feet from the underside of the ice to the bottom of the lake. This data is shared with the local DNR fisheries manager who tracks the decline in DO and instructs when the aeration systems need to be put into operation. Through these and other efforts, a healthy fish population can be maintained for the enjoyment of area anglers.

# RICE CREEK CHAIN OF LAKES PARK RESERVE UPDATE









In 2016, the department hired HCM Architects to conduct a maintenance facility assessment to determine maintenance facility needs throughout the system. The assessment determined that a new maintenance facility is needed at Rice Creek Chain of Lakes Park Reserve. The proposed building would be approximately 4000 square feet, include a drive through bay, vehicle and equipment storage space, a small work bench area, breakroom/office, locker area and restrooms. The estimated cost of construction for full build out of the facility is approximately \$900,000. The County will be phasing the construction of the facility. The first phase will construct a large pole barn type cold storage building, with conduit stubbed out for all the necessary utilities hook-ups in the future. This will allow equipment and vehicles to be stored in a secure facility while the County secures the remaining funding for the building. The first phase of construction is anticipated to start in 2017. The second phase is anticipated to occur in 2019/20.

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# SKI TRAIL PROGRAM IMPROVEMENTS AND INNOVATIONS

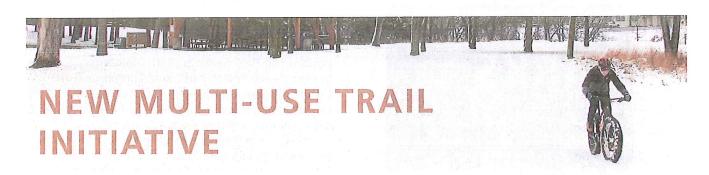
In 2014, Parks staff applied for a grant through the Federal Recreation Trail Program, with the goal of upgrading our ski trail grooming equipment fleet to be more responsive after a snow event and provide quality trails with a minimum base. At the time, the grooming fleet consisted of a Pisten Bully PB100, which is highly effective when sufficient snows allow for a deep base, and a six-foot wide, light weight Tidd Tech groomer pulled behind a Skidoo Skandic snowmobile. Through the grant we hoped to add a second, wider Tidd Tech with a more aggressive pull unit, along with pull-behind rollers to aid in building base, traction improvements to the Skandic, and replacement tracks for the Pisten Bully. The grant award allowed for the purchase, with a 25% County match, of that "more aggressive pull



unit," which came in the form of a John Deere 825 tracked utility vehicle.

We now had the pull unit, but not the grooming unit to pull behind it. Through 2016 State Lottery funding we were able to purchase that unit, a seven-foot wide Tidd Tech groomer. Now the challenge was to join these pieces of equipment to be effectively trailered to the various trail facilities and perform at a high level in the field. At this point Parks staff joined with Anoka County Fleet Services staff to collaborate on hardware and modifications, starting with networking with other county ski trail operations and viewing their ideas. These efforts resulted in highly creative modifications that aid the operator in ease of operation, enable impressive turning radiuses in the field, and fit within the limitations of the trailering equipment. Additionally, Parks staff continue to employ their skills in fabrication and welding to improve rollers and other important trail grooming pieces.

Kudos to the Parks ski trail groomer operators for their passion, creativity, skill, and hard work: Mark Hanson, Jake Haugen, Josh Detzler, and Edward Evens, and Fleet Services Technicians Dan Alleman and Matt Euteneuer. With their efforts and ingenuity and some snow—we're set for some quality skiing!



In response to requests for winter trail use by fat tire bikers, Anoka County Parks is piloting a new multi-use trail for the 2017 winter season. Fat tire biking has grown in popularity because it allows mountain bikers to get out on a bike all year round. The 4-5 inch wide tires on a fat bike help the rider manipulate snow covered trails. The new multi-use trail takes the place of an existing cross country ski trail in the Rice Creek Chain of Lakes Regional Park. Specifically, the trail begins behind the Lino Lakes YMCA, runs through the woods to the prairie north of Chomonix Golf Course, loops around that prairie and back behind the YMCA. The distance of the trail is 3.2 kilometers, or about 2 miles. The trail will be packed by our groomers and a track will be set for classic skiers. Along with skate and classic skiers still being able to use the trail, fat tire biking and hiking will also be permitted.

# GREENER EVENTS IN ANOKA COUNTY PARKS

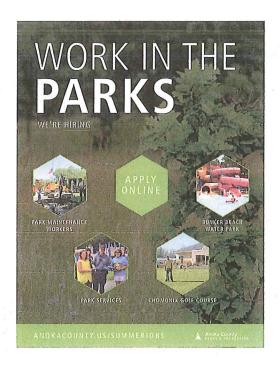


Are you thinking about reserving an Anoka County park pavilion or indoor facility for an upcoming work or community meeting, family reunion or other celebration? Anoka County Recycling & Resource Solutions offers a limited number of portable recycling and organics containers that can be borrowed for recycling and organics (food waste and non-recyclable paper) collection at events. Whether your event is hosted at an Anoka County park or at home, consider making your next event a zero waste event. If zero waste seems daunting, setting a goal of reducing waste can be a great place to start. Here are some tips for success.

- Recycling is available in all Anoka County Parks. If you are interested in doing organics recycling at your event, contact Recycling & Resource Solutions for how to obtain compostable bags and serviceware.
- Make recycling at events easier with signs. Recycling and organics signs, along with trash signs, help guests know your expectations and helps ensure waste ends up where it belongs. You can customize your signs with images of products you will have at the event. To print signs for your next event, visit RethinkRecycling.com/signs.
- Choose decorations and display materials that can be reused or recycled.
- If your event is catered, select food vendors that offer the use of washable plates, silverware and linens.

For more information on hosting zero waste events or borrowing recycling and organics bins, contact Anoka County Recycling & Resource Solutions at 763-323-5730 or email us at recycle@co.anoka.mn.us.

# PARKS RECRUITMENT INITIATIVES



Parks staff are already looking ahead to the upcoming summer season and have begun new recruitment initiatives to attract applicants for positions throughout the parks, including positions in Park Services, Park Maintenance, Bunker Beach Water Park, and Chomonix Golf Course. Recent trends have shown that staff recruitment for seasonal positions have become more competitive and Anoka County Parks remains committed to recruit, hire, and develop the best possible candidates to fill more than 300 seasonal positions. In order to achieve this goal, new marketing pieces have been developed and hiring managers are reaching out to perspective applicants through traditional job postings, leveraging social media, and a wide variety of career fairs and hiring events. All applications are being accepted and can be found online at Anoka County's website.

# CHOMONIX GOLF COURSE "L.E.A.P."S INTO 2017

In January, Chomonix Golf Course joined Centennial High School for their new L.E.A.P. program. L.E.A.P. stands for Lunch, Energize, Achieve, Participate. The program provides kids with opportunities and encourages participation in groups or clubs during their lunch period.

Chomonix started a new club called "Chomonix Golf Club." Kids are able to use one of the chipping stations, putting stations, or hitting stations. The hitting station is the most popular, where kids hit foam golf balls at the basketball hoops and try to make a basket. "Chomonix Golf Club has been a huge success," said Chomonix Volunteer John Riley. "The kids really love being able to come and swing some golf clubs for 20 minutes in the middle of their day."

February brings to Chomonix the annual Grand Opening Weekend. Season Passes, Patron Cards, Punch Cards, League Registration–everything gets rolling on February 18 and 19 at the Chomonix Clubhouse. The clubhouse will be open both days 9am - 5pm.



# BANFILL-LOCKE CENTER FOR THE ARTS UPDATES

Banfill-Locke Center for the Arts will be exhibiting over 650 artworks by area K-12 students. The 2017 Student Art Show will open on February 11 and be on view through March 4. Two receptions will be held to celebrate the exhibit: February 11 and 18 from 10 AM to 2 PM. Admission to the show is free and the public is welcome. The galleries are open 10 am to 4 pm, Tuesday through Saturday.

2017 Reading Series - February 10 at 7:30 PM. The event will feature local authors Bao Phi and Elizabeth Weir. The BLCA Reading Series is curated by Margaret Hasse and Clarence White. The reading series is provided through a partnership with Anoka County Library.

### **EMPLOYEE PROFILES**



Name: Matt Wollmering

Position & Department: Assistant at Chomonix Golf Course

Length of time in current role:
10 Years

Matt studied Sports Facility Management at Century College with an emphasis on Golf Course Management. His first job in the golf industry was an internship with Ramsey County working to improve their courses. A highlight of Matt's internship was playing golf with Alice Cooper and the Mayor of St. Paul. He applied that spring to Chomonix and the rest is history.

In his spare time, Matt likes to golf (of course), go to movies, hang out with family and friends, and he really likes sports. He mostly watches sports these days, but every now and then he still shoots hoops.

#### Fun Fact:

Being a big sports fan over the years, I have collected a wide variety of sports memorabilia. I have signed photos, gloves, pennants, and footballs among other items. My favorite piece is my autographed Peyton Manning football. He's my favorite player!



Name: Jennifer Thul

Position & Department: Ramsey/Ham Lake License Center Specialist

Length of time in current role:
17 Months

Jennifer attended Century College working towards an Associate's Degree majoring in Math and a minor in Photography. Her most recent job was with Old Chicago as a bartender. Prior to that, she had worked as a server as well as other customer service type jobs.

Jennifer enjoys hands-on activities. During the spring/summer, she spends a lot of time outside working on her landscape and vegetable garden. During the colder seasons, she does a lot of interior painting and design. She also enjoys photography and doing "crafty things."

#### Fun Fact:

I grew up as a military child and moved around most of my life. When I was in 5th grade, we were stationed in Iceland for 2 years.

#### **PUBLIC NOTICE**

#### CITY OF LEXINGTON COUNTY OF ANOKA STATE OF MINNESOTA

#### TO WHOM IT MAY CONCERN:

Notice is hereby given, the Lexington Planning & Zoning Commission regular meeting date of Tuesday, February 14, 2017 @ 7:00 P.M. has been cancelled due to illness. The agenda items will be addressed at the Tuesday, March 14, 2017 @ 7:00 P.M. meeting at Lexington City Hall

9180 Lexington Avenue
Lexington, MN 55014

Mary Vinzant Deputy Clerk

POSTED: February 14, 2017

# CITY OF LEXINGTON WORKSHOP MINUTES

# Thursday, February 16, 2017 Immediately following Council meeting City Hall

1. Call to Order:

Mayor Kurth

2. Roll Call:

DeVries – Hughes – Harris - Murphy

Mayor Kurth called to order the workshop for February 16, 2017 at 7:24 p.m. Councilmember's present: Devries, Harris, Hughes, and Murphy. Also Present: Bill Petracek, City Administrator; Chris Galiov, Finance Director; Steve Winter, City Engineer; Pat Zeitner, Quad Press Reporter; Chad Payment, Citizen.

#### 3. Discussion Items:

#### A. Discuss Blaine Water Outage

Petracek stated he placed this item on the agenda to have a discussion about the Blaine water outage with the City Council since the City Engineer would be present at the meeting and we could educate the Councilmember's on the details of our dependence on the City of Blaine for water services. Petracek continued by saying that the Police Operations Committee also had a discussion with the Police Governing Board at their February 13<sup>th</sup> meeting about incorporating an alert system for Lexington, Circle Pines, and Centerville during emergencies such as Lexington's water outage to provide information to our citizens. The discussion with the Governing Board was a positive discussion about an alert system being purchase and administration via the police department. They've asked us to continue research on the idea and provide recommendations. Discussion ensued.

Steve Winter, City Engineer, provided an explanation to the Council as to why the City of Lexington depends on the City of Blaine for their water services. Winter provided an overview of what the City of Lexington would need to do to divest from the City of Blaine's water services in the future. Discussion ensued.

#### B. Discuss Oak Lane Rain Gardens

Mayor Kurth explained that the rain gardens on Oak Lane are not working appropriately and are swamps. He added that he has 12 inches of water in his rain garden, it smells, and has tadpoles growing in it. He stated they worked the first three years, but hasn't worked for the past several years; it always has water in it, and there isn't supposed to be. Discussion ensued.

Steve Winter, City Engineer, provided an explanation of rain gardens and the storm water pond on Hamline Ave.

Mayor Kurth expressed that he has had water in his rain garden since 2015, as do the other properties on Oak Lane that have rain gardens. He added that there needs to be something done about this. Winter stated that there are two options that the City has and he provided an overview of the options. He stated that would need to alter the materials used in the gardens as one option. He also discussed the idea of acquiring property and installing a storm water retention pond. Discussion ensued.

The consensus of the Council was to have the city engineer work with the public works department to rework the existing rain gardens, first, before they consider the construction of a storm water retention pond.

#### 4. Staff Input

No input from staff

#### 5. Council Input

No input from the Council.

#### 6. Adjourn

Councilmember Harris made a motion to adjourn the February 16, 2017 Council Workshop at 8:25 p.m. Councilmember Devries seconded the motion. Motion carried 5-0.

# Unapproved minutes CITY OF LEXINGTON REGULAR COUNCIL MEETING FEBRUARY 16, 2017–7:00 P.M. 9180 LEXINGTON AVENUE

- **1. CALL TO ORDER:** Mayor Kurth
  - A. Roll Call Council Members: DeVries, Harris, Hughes and Murphy

Mayor Kurth called to order the Regular City Council meeting for February 16, 2017 at 7:00 p.m. Councilmember's present: Devries, Harris, Hughes, and Murphy. Also Present: Bill Petracek, City Administrator; Chris Galiov, Finance Director; Kurt Glaser, City Attorney; Steve Winter, City Engineer; Pat Zeitner, Quad Press Report; Chad Payment, Citizen

#### 2. CITIZENS FORUM

Pat Zeitner, Quad Press Reporter, from Circle Pines introduced herself as a new free lance reporter for the Quad Press, and provided some background information about her. She stated she has been assigned to Lexington.

#### 3. APPROVAL OF AGENDA WITH CHANGES AND CORRECTIONS

A motion was made by Councilmember Harris to approve the agenda as typewritten. The motion was seconded by Councilmember Devries. Motion carried 5-0.

#### 4. LETTERS AND COMMUNICATIONS:

- A. Local Board of Appeals and Equalization meeting date set 4-20-17
- B. North Metro TV January 2017 Update
- C. Centennial Lakes Police Department Media Report:
  - 1-26-17 through 2-2-17
  - 2-3-17 through 2-8-17

#### No discussion on Letters and Communications

#### 5. CONSENT ITEMS:

- A. Recommendation to Approve Council Minutes: Council Meeting – February 2, 2017
- B. Recommendation to Approve Claims and Bills:

Check #'s 13506 through 13507 Check #'s 41699 through 41759 Check #'s 11258 through 11310

#### C. Financial Reports

- Cash Balances
- Fund Summary Budget to Actual

A motion was made by Councilmember Hughes to approve the consent agenda items. The motion was seconded by Councilmember Devries. Motion carried 5-0.

#### 6. ACTION ITEMS:

A. Resolution No. 17-05 A Resolution Receiving Feasibility Report and Calling Hearing On Improvement

Steve Winter, City Engineer, provided an overview of the feasibility report for the Restwood/Hamline/Flowerfield Road construction project proposed for 2017. Discussion ensued.

A motion was made by Councilmember Hughes to approve Resolution No. 17-05 A Resolution receiving feasibility report and calling a hearing on improvement. The motion was seconded by Councilmember Harris. Motion carried 5-0.

B. Recommendation to approve Resolution NO. 17-06 A Resolution Approving Saint Paul Fire Regarding Lease For Lawful Gambling Activity and Premises Permit Application.

Attorney Glaser explained that the State Gambling Board didn't like our paperwork that was submitted by the St. Paul Fire Relief Association. Glaser stated he talked with the State, and the Council will need to approve two separate actions, which are on the agenda. Discussion ensued.

Mayor Kurth asked if the City Council can revoke the application if any items on the Memorandum of Understanding (MOU) aren't followed through with by the St. Paul Fire Relief Association. Glaser stated no, but the Council can opt to not renew their annual application when it comes due. Discussion ensued.

A motion was made by Councilmember Murphy to approve Resolution No. 17-06 A Resolution approving St. Paul Fire Relief Association regarding lease for lawful gambling activity and premises permit application. The motion was seconded by Councilmember Devries. Motion carried 5-0.

Memorandum of Understanding - City of Lexington and Saint Paul Fire
 Regarding Lease for Lawful Gambling Activity and Premises Permit Application

A motion was made by Councilmember Murphy to approve Memorandum of Understanding – City of Lexington and Saint Paul Fire Relief Association regarding lease for lawful gambling activity and premises permit application. The motion was seconded by Councilmember Harris. Motion carried 5-0.

#### 7. MAYOR AND COUNCIL INPUT

No input from Mayor Kurth or City Council

#### 8. ADMINISTRATOR INPUT

Petracek updated City Council on Police Union Contract negotiations and wellhouse construction process.

#### 9. ADJOURNMENT

A motion was made by Councilmember Devries to adjourn the meeting at 7:22 p.m. The motion was seconded by Councilmember Hughes. Motion carried 5-0.

/mv

#### RECOMMEND FOR APPROVAL OF CLAIMS AND BILLS

The following claims and bills have been presented to the Council for approval at the Council Meeting of March 2, 2017.

(1) Payro	oll					
, ,	Checks Vouchers Vouchers	13508 throu 500082 throu 500116 throu	igh 500114	ļ	\$ \$ \$	712.64 6,345.72 18,450.89
	VOID:					
	Payroll Taxes	Federal Tax Social Security Medicare State Tax	\$2,934.96 \$4,247.32 \$993.44 \$1,217.29	\$8,175.72 \$1,217.29	_	
		Total		· ·	-	\$9,393.01
	ADP Final Bil	lling				\$491.25
(2) Gene	ral and Liquor	Payment Recommen	idations:			
	Checks:	41760 thro	ough 41812		\$	158,093.09
(3) ACH	and Credit Car ACH Checks	d Payments for: : thro	ough		\$	-
(5) Wire	Transfer Paym	ent Recommendation	n: (Bond Payments)		\$	-
Total Pay	ments and Wit	hdrawals Approval			\$	193,486.60
Centennia	al Lakes Police	Payment Recomme	ndations:			
	Checks ACH	11311 throu 11327 throu			\$ _\$	18,080.66 50,888.59
	Total Paymer	nts			\$	68,969.25
	VOID:					



ADP, LLC 1851 N RESLER DRIVE MS-100 **EL PASO TX 79912** 

#### **ADVICE OF DEBIT**

**Client Name** 

: CITY OF LEXINGTON

**Client Number** 

: 395512 **Advice of Debit Number** : 488755601

Advice of Debit Date

: 02/23/2017

Advice of Debit Due Date : 03/02/2017

Total Debited This Invoice: \$491.25

#### 1 Inquiries

For Billing inquiries, please contact MANYMetroService@adp.com. For Product/Service inquiries, please contact your Client Service Team. **HRISTO GALIOV CITY OF LEXINGTON** 9180 LEXINGTON AVE N **CIRCLE PINES, MN 55014-3625** 

#### **CURRENT CHARGES**

ADP PAYROLL SERVICES COMPANY CODE 0069-10-M9J	QUANTITY	RATE	BASE	TOTAL CHARGES	TAX
Processing Charges for Period Ending Date: 01/05/2017					
Q4 Y/E Info - Tax Reporting, W-2'S	75	\$6.55 each		\$491.25	

TOTAL CHARGES FOR COMPANY CODE:

0069-10-M9J

\$491.25

\$491.25

**Total Debited** 

WE APPRECIATE YOUR BUSINESS! - NO PAYMENT REQUIRED.

This amount will be processed for debit from your account # XXXXXXXX6090 on 03/02/2017 or the next banking day. Please confirm the debit was completed with your banking institution to ensure the invoice is paid in full.

# \*Check Detail Register©

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E 330-00000-500	Capital Expenditures	\$25,944.50	PMT #1	WELLHOUSE PROJECT
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E 609-00000-340	Advertising	\$153.00	68222	ADVERTISING
Total ACT	ION BROADCASTING SERVICES	\$153.00		
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G 101-21719 Unio	on Dues	\$226.86		MARCH 2016 UNION DUES
	Total AFSCME MN COUNCIL 5	\$226.86		
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E 609-00000-255	Linen	\$276.51	1003716704	MAT SERVICE - MLS
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	tal ANCOM COMMUNICATIONS	\$258.30		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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E 101-42260-103	·	\$130.22		ACH RETURN
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E 101-42110-230 Contracted Services	\$61,391.42	MAR 2017 POLICE CONTRACT
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Paid Chk# 041774 3/2/2017 CIRCLE PINES, CITY	OF	
E 599-42110-601 Bond Principal	\$4,583.33	MAR 2017 POLICE BLDG PAYMENT
E 599-42110-611 Bond Interest	\$295.21	MAR 2017 POLICE BLDG PAYMENT
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E 609-00000-400 General Maintenance Total CITYWIDE WINDOW SERVICES INC.	\$32.42 614335 \$32.42	JAN 2017 SERVICE
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E 609-00000-252 Beer Purchase	\$539.00 351120	
E 609-00000-252 Beer Purchase	\$690.26 353162	
Total CLEAR RIVER BEVERAGE COMPANY	\$1,229.26	
Paid Chk# 041777 3/2/2017 COMCAST		
E 101-42260-329 Cable/Internet	\$84.90	8772 10 519 0007159
Total COMCAST	\$84.90	
Paid Chk# 041778 3/2/2017 DAHLHEIMER DISTRI	BUTING	
E 609-00000-252 Beer Purchase	\$945.75 140723	
Total DAHLHEIMER DISTRIBUTING	\$945.75	
Paid Chk# 041779 3/2/2017 DELTA DENTAL		
E 101-41500-160 Health/Dental Insurance	\$109.35 6812797	MARCH 2017 DENTAL PREMIUM
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E 101-42260-229 Turn Out Gear	\$130.18 8042	PRETECTIVE GEAR REPAIR PARTS
otal EMERGENCY RESPONSE SOLUTIONS	\$130.18	
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E 609-00000-252 Beer Purchase	\$160.50 18028	
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E 330-00000-500 Capital Expenditures	\$13.47 059066/G	SUPPLIES - WELLHOUSE PROJECT
E 101-43100-210 Operating Supplies	\$15.98 059139/G	SHOP SUPPLIES
E 330-00000-500 Capital Expenditures	\$41.06 059140/G	SUPPLIES - WELLHOUSE PROJECT

# \*Check Detail Register©

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E 101-45200-210	Operating Supplies	\$65.62	4192	SHOP SUPPLIES
	Operating Supplies	\$65.63		SHOP SUPPLIES
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	3/2/2017 GRAPE BEGINNINGS,		141100040070	
E 609-00000-253			MN00016976	
	Total GRAPE BEGINNINGS, INC.	\$580.50		
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E 101-43500-230	Contracted Services	\$182.30	17-1786	RECYCLING
Total	GREEN LIGHTS RECYCLING INC	\$182.30		
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E 609-00000-251	Liquor Purchase	\$1,239.26		
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	Miscellaneous Purchase		5654434	
E 609-00000-251		\$590.65		
		\$343.44		
E 609-00000-253		\$735.32		
E 609-00000-251	Liquor Purchase	\$406.54	5658209	
E 609-00000-251	Liquor Purchase	\$1,735.24	5659616	
E 609-00000-251	Liquor Purchase	\$1,387.44	5659617	
E 609-00000-253	Wine Purchase		5659618	
E 609-00000-253		(\$39.45)		
E 609-00000-251		(\$57.91)		
E 609-00000-253		(\$15.85)	614055	
MANAGEMENT OF THE PROPERTY OF THE PARK	JOHNSON BROTHERS LIQUOR	\$9,326.64	an meritani di koni	
Paid Chk# 041789	3/2/2017 KIRVIDA FIRE			
E 101-42260-404	Repair Machinery/Equipment	\$473.69	5994	EQUIPMENT REPAIR
	Total KIRVIDA FIRE	\$473.69		
Paid Chk# 041790	3/2/2017 M AMUNDSON LLP	antourn creature, un o	sakonyo, kun sanon nenzyon	The state of the s
E 609-00000-256	Tobacco Products For Resale	\$322.76	203757.	
E 609-00000-256	Tobacco Products For Resale	\$1,604.53	232301	* .
E 609-00000-256	Tobacco Products For Resale	\$3,318.93	232675	
	Total M AMUNDSON LLP	\$5,246.22		
Paid Chk# 041791	3/2/2017 MENARDS - BLAINE	THE PERSON OF THE	as west to the decision of the	Control of the Contro
	General Maintenance	\$30.97	24571	SUPPLIES - CITY HALL
an angla sasags desi	Total MENARDS - BLAINE	\$30.97		

# \*Check Detail Register©

Paid Chk# 041792	3/2/2017 METROPOLITAN AF	Check Amt Invoice	e Comment
E 101-41500-208	Training and Instruction	\$20.00 2458	SEMINAR
The second of th	COPOLITAN AREA MANAGEMENT	\$20.00	grand the second
Paid Chk# 041793	3/2/2017 MN DEPT OF NATU		
G 730-21000 Du Total MN I	e to Other Govts DEPT OF NATURAL RESOURCES	\$1,300.42 <u>19</u> 66-0584 \$1,300.42	2016 WATER USE AND SUMMER SURCHARGE
Paid Chk# 041794	3/2/2017 MUNICIPAL EMERG	ENCY SERVICES	The state of the s
G 101-20200 Acc Total MUN	counts Payable NICIPAL EMERGENCY SERVICES	\$60.46 1044107 \$60.46	
Paid Chk# 041795	3/2/2017 NORTHERN TOOL 8	EQUIPMENT CO.	The second of th
E 101-43100-210	Operating Supplies	\$46.95 4043041473	SHOP SUPPLIES
	Capital Expenditures	\$1,138.99 4043041473	GENERATOR - WELLHOUSE
Total NOR	THERN TOOL & EQUIPMENT CO.	\$1,185.94	
Paid Chk# 041796	3/2/2017 OXYGEN SERVICE	COMPANY	The state of the s
E 101-42260-210	Operating Supplies	\$116.56 03364853	JAN 2017 SERVICE
Tota	I OXYGEN SERVICE COMPANY	\$116.56	
Paid Chk# 041797	3/2/2017 PAUSTIS & SONS	రిల్లకు ముఖ్యాలు మున్ను కటిండుకున్నారు. ఈ గ్రంకుపై శ్రీకు కేసువారులు పెలుకు అయిదేవుడే కేషన్ మేగారిలో ఎక్కోవక కళ	
E 609-00000-253	Wine Purchase	\$132.50 8579470-IN	
E 609-00000-253		\$618.75 8580256-IN	·
	Total PAUSTIS & SONS	\$751.25	
Paid Chk# 041798	3/2/2017 PERFORMANCE PL	US	
	Physical & Fit Training	\$95.00 4603 LF	
E 101-42260-207	Physical & Fit Training	\$95.00 4605 LF	
Managery and the State of Stat	Total PERFORMANCE PLUS	\$190.00	Applied and the state of the st
Paid Chk# 041799	3/2/2017 PETRACEK, BILL		
E 101-41500-205	Mileage Reimbursement	\$200.00	MILEAGE REIMBURSEMENT TEL. REIMBURSEMENT
E 101-41500-321	Telephone  Total PETRACEK, BILL	\$100.00 \$300.00	TEL. REINBURSEMENT
***************************************			Application of the contribution of the state
Paid Chk# 041800	3/2/2017 PHILLIPS WINE AND		
E 609-00000-251	Liquor Purchase	\$187.16 2118776 \$146.36 2118777	
E 609-00000-253 E 609-00000-251		\$292.94 2119626	
E 609-00000-253	•	\$326.61 2119627	
E 609-00000-251	•	\$214.36 2122283	
E 609-00000-253		\$246.71 2122284	
E 609-00000-251 E 609-00000-251	•	\$382.19 2123114 \$46.68 2123115	
	PHILLIPS WINE AND SPIRITS INC	\$1,843.01	
Paid Chk# 041801	3/2/2017 PRESS PUBLICATION	nan e samen mas er særer e særer en en en en NNS	and the state of the second of
E 101-41500-351		\$31.19 543042	ASSESSMENT PUBLICATION
	Ordinance Publication	\$62.09 543125	ORD. 17-03
	Total PRESS PUBLICATIONS	\$93.28	
Paid Chk# 041802	3/2/2017 RICOH USA INC	CECTION STOCK OF CARRY CONTRACT SAIL AND	y y de grande problèment de la companie de la compa
E 101-41500-350		\$128.56 5047134973	MAINT. CONTRACT OCT 2016 - FEB 2017
E 101-41500-350	· ·	\$118.35 5047185026	MAINT. CONTRACT OCT 2016 - JAN 2017
G 101-20200 Acc	counts Payable	\$270.50 5047185026	MAINT. CONTRACT OCT 2016 - JAN 2017

## \*Check Detail Register©

		Check Ar	nt Invoice	Comment
A Section 1	Total RICOH USA INC	\$517.41	<u> </u>	
Paid Chk# 041803	3/2/2017 SHERWIN WILLIAMS		anne de la company de la compa	
E 330-00000-500	Capital Expenditures Total SHERWIN WILLIAMS	\$650.80 \$650.80	4140-3	WELLHOUSE PROJECT SUPPLIES
Paid Chk# 041804	3/2/2017 SOUTHERN GLAZERS (	OF MN	$z_{ij} \leftarrow z_{ij}, \ \varphi(r_{ij}, z_{ij}) = (J(r_{ij})^{\alpha_i})^{\alpha_i}$	THE
E 609-00000-251	Liquor Purchase	\$2,163.80	1507226	
E 609-00000-253	•	\$523.06	1507227	
E 609-00000-251	Liquor Purchase	\$1,657.46		
E 609-00000-253			1509680	
Tot	al SOUTHERN GLAZERS OF MN	\$5,133.23		
Paid Chk# 041805	3/2/2017 SPRINT	And the second of the second s		
E 101-43100-321	Telephone			FEB-MAR 2017 CELL SERVICE
E 770-00000-321	Telephone	•		FEB-MAR 2017 CELL SERVICE
	Telephone			FEB-MAR 2017 CELL SERVICE FEB-MAR 2017 CELL SERVICE
E 101-45200-321 E 651-00000-321	Telephone			FEB-MAR 2017 CELL SERVICE
E 051-00000-321	Total SPRINT	\$156.44	433070023-17	TED WIN CONTROLLE GENERAL
estimisma erray, intercentura	and the control of th			
Paid Chk# 041806	3/2/2017 STANLEY ACCESS TEC		0004705700	DOOD DEDAIDS MIS
E 609-00000-401	Repair Buildings		0904785702	DOOR REPAIRS - MLS
	Total STANLEY ACCESS TECH	\$476.60	gypyrjad achtugun kuululyi seviinin Taysiiria Noviinia oo	
Paid Chk# 041807	3/2/2017 VINZANT, MARY			
	Contracted Services	\$132.00		WK ENDING 02/25/2017
E 220-46000-230	Contracted Services	\$132.00		WK ENDING 02/18/2017
	Total VINZANT, MARY	\$264.00		The second of th
Paid Chk# 041808	3/2/2017 VOLUNTEER FIREFIGH	ITERS BENE	FIT	
E 101-42260-165		\$22.00	-	2017 NEW MEMBERS
otal VOLU	INTEER FIREFIGHTERS BENEFIT	\$22.00		
Paid Chk# 041809	3/2/2017 WALTERS RUBBISH IN	C		
E 101-41500-384	Refuse/Garbage Disposal	•	0002215290	FEB 2017 REFUSE
	Refuse/Garbage Disposal		0002215290	FEB 2017 REFUSE
	Refuse/Garbage Disposal	,	0002215290	FEB 2017 REFUSE
	Refuse/Garbage Disposal		0002215290 0002215290	FEB 2017 REFUSE FEB 2017 REFUSE
	Refuse/Garbage Disposal Refuse/Garbage Disposal		0002215290	FEB 2017 REFUSE
	Refuse/Garbage Disposal		0002215290	FEB 2017 REFUSE
	Refuse/Garbage Disposal		0002215290	FEB 2017 REFUSE
_ 000 00000 00.	Total WALTERS RUBBISH INC	\$711.49		
Paid Chk# 041810	3/2/2017 WATER CONSERVATION	N SERVICE	INC	- The state of the
	General Maintenance	\$283.38		LEAK LOCATE
	R CONSERVATION SERVICE INC	\$283.38		
Paid Chk# 041811	3/2/2017 WINE MERCHANTS	nentine solvenie Landon vers	granumagis erakirkasi Ur. ASSSR 95941.64	
E 609-00000-253		\$116.18	7120206	
	Total WINE MERCHANTS	\$116.18		
Paid Chk# 041812	3/2/2017 XCEL ENERGY	and the second second		The state of the s
E 730-00000-381		\$107.98	533948417	JAN 2017 EL. UTILITIES
	Total XCEL ENERGY	\$107.98		

# \*Check Detail Register©

	Viga di Labeta di Sast	Check Amt	Invoice	Comment
en e	10100 4M FUND	\$158,093.09	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27 3 200 0 0 0
Fund Summary				
10100 4M FUND				
101 GENERAL FUND		\$65,067.70		
220 LOVELL BUILDING		\$687.59		
330 WATER CAPITAL FUND		\$27,788.82		
599 POLICE BUILDING		\$4,878.54		
609 MUNICIPAL LIQUOR FUND		\$57,793.94		
651 STORM WATER FUND		\$24.74		
730 WATER FUND		\$1,771.76		
770 SEWER FUND		\$80.00		
		\$158,093.09		

Report Criteria:

Report type: Summary

GL Period	Check Issue Date	Ck No	Payee	Description	Check Amount
02/17	02/14/2017	11311	ABRAMS & SCHMIDT LLC	JAN LEGAL	1,839.50
02/17	02/14/2017	11312	ANOKA COUNTY	JAN INTERNET ACCESS	455.13
02/17	02/14/2017	11313	ASPEN MILLS, INC	UNIFORM ALLOWANCE GIESE	300.00
02/17	02/14/2017	11314	CENTURY LINK	COMMUNICATIONS	125.98
02/17	02/14/2017	11315	CONNEXUS ENERGY	JAN ELECTRIC	2,572.26
02/17	02/14/2017	11316	CONSOLIDATED COMMUNICATIONS	PHONES	403.69
02/17	02/14/2017	11317	DEPUTY REGISTRAR #150	VEH RENEWAL 2	22.00
02/17	02/14/2017	11318	MATTHEW GIESE	ADDL 2017 UNIFORM ALLOWANCE	100.00
02/17	02/14/2017	11319	HEALTH PARTNERS	MARCH HEALTH INS ADD NW/ADJ JT	9,269,76
02/17	02/14/2017	11320	HOLIDAY FLEET	JANUARY FUEL	2,243.95
02/17	02/14/2017	11321	KNOWLAN'S SUPER MARKETS	CLEANING SUPPLY DISH SOAP	4.29
02/17	02/14/2017	11322	LOFFLER COMPANIES	TONER	176.00
02/17	02/14/2017	11323	NEAL A. NOREN	BLDG MTC HOURS JAN	165.00
02/17	02/14/2017	11324	OFFICE OF MN IT SERVICES	JANUARY WAN SERVICES	61.30
02/17	02/14/2017	11325	TRANS UNION LLC	JAN PRE-EMP TESTING NW	5.30
02/17	02/14/2017	11326	THOMSON REUTERS-WEST PUBLISHI	2017 CRIMINAL LAW BOOKS	336.50
G	rand Totals:				18,080.66

M = Manual Check, V = Void Check

Report Criteria:

Report type: Summary

GL Period	Check Issue Date	Ck No	Payee	Description	Check Amount
02/17	02/23/2017	11327	AMAZON	TIRES	1,935.51
02/17	02/23/2017	11328	CITY OF CIRCLE PINES	2017 EAP SERVICES	1,457.00
02/17	02/23/2017	11329	DELTA DENTAL	MARCH DENTAL	1,488.10
02/17	02/23/2017	11330	DON'S CIRCLE SERVICE, INC	VEHICLE REPAIRS & MTC	39.00
02/17	02/23/2017	11331	JENNIFER GRUBBS	VEHICLE WASH SUPPLIES	70.00
02/17	02/23/2017	11332	LEAGUE OF MN CITIES INS TRUST	2017 PROPERTY/LIAB/AUTO INS/UMB	42,011.00
02/17	02/23/2017	11333	MMKR INC	PROGRESS BILLING 2016 AUDIT	1,500.00
02/17	02/23/2017	11334	POPP COMUNICATIONS	DSL LINE FOR WIFI	71.04
02/17	02/23/2017	11335	SHRED-N-GO, INC	SHREDDING SERVICE	88.50
02/17	02/23/2017	11336	PAUL H STEFFEL	INS AGENT OF RECORD 2017	1,500.00
02/17	02/23/2017	11337	SUN LIFE FINANCIAL	MARCH LIFE/DISABILITY	110.94
02/17	02/23/2017	11338	TASER INTERNATIONAL	DPM BATTERY PACK	89.14
02/17	02/23/2017	11339	TELECIDE PRODUCTIONS, INC	COMPUTER MTC & SUPPORT	528.36
Grand Totals:					50,888.59

M = Manual Check, V = Void Check



# **CITY OF LEXINGTON**

# Entertainment License Application 9180 Lexington Avenue · Lexington, MN · 55014 Phone (763) 784-2792 Fax (763) 785-8951

	Annual Entertainment License Single Use Special Event Permit	\$ 200.00 . \$ 300.00 Waived
The Council shall act upon all enterta within sixty (60) days of the complete Inaction by the Council within this pe	ed application and fee being receiv	-
No entertainment license is valid unt are paid to the City.	til approved by the Council and the	appropriate fees
Licenses are valid only for the date(s from July 1st through June 30th of th through June 30th.		
1. APPLICANT INFORMATION		
Attach a written approval from the oradvertised which authorizes you, the their behalf.  Applicant's Name:   Mailing Address:  Affiliation:   My Hut Mwitis	applicant, to apply for this special	l event permit on
Day Phone.	Evening/Cell phone:	
Emergency Phone:  Email Address:  s applicant 18 years of age or older	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Who is the primary person in charge	•	
vame: 5 AMR OS ON	· · · · · · · · · · · · · · · · · · ·	
Mailing Address:		
Day Phone:	Evening/Cell phone:	/
Emergency Phone:		
Email Address:	,	

2. TITLE, PURPOSE AND DESCRIPTION OF EVENT:  City that you'ry Ride. To vaise Momes for a law enforcement family in need. This is a motorcycle ride, that has how by stope, and will be ending in your com-
3. EVENT PRINCIPALS
Submit a list of principals involved in the proposed special event, including professional organizers, promoters, financial underwriters, commercial sponsors, charitable agencies for whose benefit the event is being produced or advertised, etc. Attach additional pages if necessary to include all of the principals involved.
Name: Stuy Bruss  Organization / Business / Agency / Affiliation: Un Hut Church's.
Name: Way Muy Arange (Affiliation: Why Heat My/h).
Organization / Business / Agency / Anniation
Name: Title:
Organization / Business / Agency / Affiliation:
Name: Title:
Organization / Business / Agency / Affiliation:
Name: Title:
Organization / Business / Agency / Affiliation:
4. EVENT COMPONENTS
Date requested: 060417 Alternate date:
Requested hours of operation: from: AM/P) to: 11,00 AM/P
Set-up beginning date and time:
Complete dismantle date and time: $\frac{\mathcal{U}\mathcal{O}\mathcal{H}\mathcal{I}}{\mathcal{I}}$
(Attack a dreft of any entry forms for participants and/or spectators.)
Anticipated number of participants: Spectators:
Will any city streets require temporary closure or restrictions? Yes No \( \sum_{
Identity streets and times/dates of closure of restrictions.

# 5. LOCATION AND MAP

Please attach a map or plans for your event layout. At minimum, the following items should be included. Check off items below that pertain to your event and indicate them on the event map. Please use a "to-scale" drawing.

A) If a route is involved, mark the beginning and finishing area with arrows
A) If a route is involved, mark the began and places where any motorized vehicles need to be considered.
and places where any motorized values are supported by the places where any motorized values are supported by the places where any motorized values are supported by the places where any motorized values are supported by the places where any motorized values are supported by the places where any motorized values are supported by the places where any motorized values are supported by the places are
B) Size and location of any tables, terre, such as the same states and location of any tables, terres, such as the same states are the same states and location of any tables, terres, such as the same states are the same s
C) Entertainment or stage locations
D) Alcoholic beverage concession area
No alasholic heverage concession area
F) Food concession area (cooking, serving and concession area
G) General merchandise concession areas
H) Portable toilet facilities
N First-aid facilities
J) Event participant and/or spectator parking areas
K) Event organizer's command post
L) Fireworks or pyrotechnics site
Vehicle fuel handling site
No. Fencing or others method for securing event arou
O) Site of electrical wiring to be installed for the event
P) Trash receptacles
Q) Electrical sources to be used for cooking
R) Temporary structures constructed for the event
R) Other – Please describe:
S) Otner - Flease doss

6. FOOD, BEVERAGES AND ENTERTAINMENT PUNK My Limbon's
6. FOOD, DEVELORED
Will food and/or non-according beverag
If yes, describe sanitation measures, food handling procedures and the nature of the food (such as pre-packaged foods, hot dogs, pre-mixed soda, raw meats, fish, vegetables, unpeeled fruit or peeled and cut fruit):
Describe any plans you have for cooking food in the event area including fuel or
electrical source to be used:
if you intend to serve food you will need a permit from the Anoka County  Department of Environmental Health. Please attach a copy of the permit to this application.  Will alcoholic beverages be served? Yes No  If yes, describe what method will be used to ensure that alcoholic beverages will be
If yes, describe what method will be used to chear a consumed only by persons 21 years of age and older:
Describe how, where, when and by whom the alcoholic beverages will be served:
If a casino party, a dance, or live entertainment is part of your event, please describe:
Please describe all of the activities of your event for which a license is required, for example: a cabaret license, etc. Attach all required licenses to this application. Please note that certain licensing may be required by City, County and State agencies, such as large Assembly License for gatherings over 1,000 people, some types of food a large Assembly License, Cabaret License, etc. It is your responsibility to

	. I - Mar	ities to deteri	mine what lice	nsing is requ	ired prior
neck with the City	Clerk or local author	ilies to detail			
submitting this a	ipplication.	1 I bearings			
escribe entertain	ment plans and inten	ded hours:			
				/	
		, ,			oocriba
	usic, sound amplificat	ion or any ot	ther noise impa	act, please u	escribe,
there will be mu	ISIC, Souria arrigination	sia sound or	noise:	/	
ncluding the inter	nded hours of the mu	SIC, Source of			
			/	/	
		EC			
. VENDORS O	R CONCESSIONAIR	EO			
	endors or concession	-iron vou will	ı allow <i>i</i> n conju	ınction with tl	ne event
Describe what ve	endors or concession	alles you will			
and the nurnose	of these concessions	s:			
allu tile purposs			/		
		/	<b>/</b>		
	1-4-	monitor and	control the typ	<sub>oe,</sub> number a	nd quality
Describe how yo	ou intend to regulate,	Illorinor and	u i morata in	conjunction	with the
of vendors/cond	ou intend to regulate, cessionaires whom yo	ou may permi	it to operate in	Conjunion	
event:	L				
event:		7			
		/			
	AND SAFETY PRO	CEDURES			
8. SECURITY	AND SAFETTING	<b>-</b>			
	proposed procedures	- for cet-in (	operation, inte	rnal security	and crowd
Describe your	proposed procedures	by the	Mulle		
control:	s will be numerical	py you	VINION.		
Control					
		u - hour W	ou are going to	light the eve	ent area in
If the event is	to occur at night, des	scribe now yo	ou are genie	ming to and	eaving the
order to incre	ease the safety of part	ticipants and	spectators co		Medaled
	ease the safety of part	De Gordua	cred Un-51t	y e uni	WINIW.
event: 114	WINNEY THE				

Describe plans to provide first aid, if needed: Mr. Myny of the flur helpants  Why hat a Mihimum, has trusted it and helpants
Give the name, address and phone numbers of the agency or agencies which will provide first aid staff and equipment if required. Attach additional sheets if necessary.
Name of agency:
Name of Representative:
Address:
Day phone: Evening phone:
Indicate medical services (if required) that will be provided for this event:
Attach to this application a copy of your building permit(s) if you are installing any electrical wiring on temporary or permanent basis and/or if you are building any temporary or permanent structures such as bleachers, scaffolding, a grandstand, stages or platforms.
Attach a copy of your fire department permit or inspection report to this application if you will use parade floats; an open flame; fireworks or pyrotechnics; vehicle fuel; cooking facilities; enclosures (and tables within those closures); tents, air supported structures, canopies, or fabric shelters.
Attach a copy of a proposed site security plan and a proposed parking plan
9. SANITATION PLAN
Describe your plan for clean-up and material preservation. Include number, type and
location of portable toilets or permanent toilets, and trash and recycling containers to be
provided for the event. Indicate who will be responsible for clean-up activities during and after the event: 10 No Manched My Mu Mulli
10. CITY SERVICES/EQUIPMENT
Describe City services and/or equipment requested for this event. City barricades,

cones, signs and other equipment may be borrowed on an as-available basis. You should make advance arrangements to pick up and return this equipment. If you or any volunteers cannot pick up and return this equipment, please attach a letter requesting these services and explaining why your organization cannot perform them. This will be reviewed, then approved or denied by the public works foreman.

### 11.FEE STRUCTURE / EVENT CHARGES

If a donation is requested on a purely voluntary basis, describe how you intend to inform participants/spectators or others that they may participate in the event whether they make a donation or not:

| We will have for us and will favorified and will favorified and will favorified.

### 12. OTHER PERTINENT INFORMATION

Please list below any other miscellaneous information you feel would be important and have a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing of this Special Event Permit request: We are a bearing on the approval of this Special Event Permit request: We are a bearing of the approval of this Special Event Permit request: We are a bearing of the approval of this Special Event Permit request: We are a bearing of the approval of this Special Event Permit request.

You must provide proof of insurance coverage for your event. Attach to this application a certificate of insurance including the policy number, amount and the provision that the City of Lexington is included as an additional insured. (Please note – insurance requirements depend upon the risk level of the event. Also, if your event can be classified as first amendment expressive activity, insurance requirements can be waived under certain circumstances.)

FOR OFFICIAL USE ONLY		
CITY COUNCIL - APPROVAL:	DENIAL:	 DATE:
COMMENTS:		
POLICE DEPT APPROVAL:	DENIAL:	DATE:
COMMENTS:	DENIAL:	
BY:		DATE:
COMMENTS:		

# **LG220 Application for Exempt Permit**

An exempt permit may be issued to a nonprofit

- organization that: conducts lawful gambling on five or fewer days, and
- awards less than \$50,000 in prizes during a calendar

# Application Fee (non-refundable)

Applications are processed in the order received. If the application is postmarked or received 30 days or more before the event, the application fee is \$100; otherwise the fee is \$150.

awards less than \$50,000 in prizes during a calendar year.  year.	Due to the high volume of exempt applications, payment of additional fees prior to 30 days before your event will not expedite additional fees prior to 30 days before your event will not expedite additional fees prior to so tolerabone requests for expedited service accepted.
\$1,500 or less, contact the Licensing Specialist assigned to your county by calling 651-539-1900.	service, nor are telephone to
ORGANIZATION INFORMATION	Previous Gambling X - 92945 - 17 - 007 Permit Number:
Organization Coty Heat (Murthus	Permit Number:
Name:VII V	Federal Employer ID Number (FEIN), if any:
Minnesota Tax ID V Number, if any:	Number (FEIN), II drift
^	14000
Address:	MN zip: 95362 County: WNG NF
City: WINTIMITY STANDY	1410
Name of Chief Executive Officer (CEO):	
Daytime Phoro:	Email:
NONPROFIT STATUS	
cu overnization (check one):	Other Nonprofit Organization
Fraternal Religious	Veterans
Attach a copy of one of the following showing proof of (DO NOT attach a sales tax exempt status or federal employed)	ver ID number, as they are not proof of nonprofit status.)
(DO NOT attach a sales tax exempt status of lederal chips	ading
A current calendar year Certificate of Good Star Don't have a copy? Obtain this certificate from: Don't have a copy? State, Business Service	es Division Secretary of State website, phone numbers:
Don't have a copy: Obtain the Business Service	es Division Secretary of Same
60 Empire Drive, Suite 100	651-296-2803, 01 1011 1133 2 3
St. Paul, MN 55103  IRS income tax exemption (501(c)) letter in your feel (the base 2 copy? To obtain a copy of your feel (the base 2 copy of your feel (the	our organization's name
Don't have a copy? To obtain a copy of your fe	deral income tax exempt letter, have an organization officer contact the
IRS toll free at 1-077 our	ational parent nonprofit organization (Charter)
IRS - Affiliate of national, statewide, or international in the state of the state	zation, attach copies of <u>both</u> of the following ruling, and
IRS letter showing your parent organization     IRS letter showing your parent organization	zation, attach copies of <u>both</u> of the following: zation, attach copies of <u>both</u> of the following: is a nonprofit 501(c) organization with a group ruling, and is a nonprofit 501(c) organization as a subordinate.
2. the charter of letter many	
GAMBLING PREMISES INFORMATION	ucted Cowhou's Saloon
Name of premises where the gambling event will be conditionally for raffles, list the site where the drawing will take place	ucted COWNOY'S SALOON
	1/ 1/
Address (do not use P.O. box): 3801 har wood	ip: 590 4 County: 4h blug
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Data(s) of activity (for raffles, Nad (n)	
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from a distributor licensed by the Milliesuta devices may be borrowed from another organization au www.mn.gov/gcb and click on <i>Distributors</i> under <i>Li</i>	ist of Licensees, or can out out

# **LG220 Application for Exempt Permit**

Page 2 of 2

LOCAL UNIT OF GOVERNMENT ACKNOWLEDGME the Minnesota Gambling Control Board)	NT (required before submitting application to
CITY APPROVAL for a gambling premises located within city limits	COUNTY APPROVAL for a gambling premises located in a township
The application is acknowledged with no waiting period.	The application is acknowledged with no waiting period.
The application is acknowledged with a 30-day waiting period, and allows the Board to issue a permit after 30 days (60 days for a 1st class city).	The application is acknowledged with a 30-day waiting period, and allows the Board to issue a permit after 30 days.
The application is denied.	The application is denied.
Print City Name:	Print County Name:
Signature of City Personnel:	Signature of County Personnel:
	Title: Date:
The city or county must sign before submitting application to the Gambling Control Board.	TOWNSHIP (if required by the county) On behalf of the township, I acknowledge that the organization is applying for exempted gambling activity within the township limits. (A township has no statutory authority to approve or deny an application, per Minn. Statutes, section 349.213.)  Print Township Name:  Signature of Township Officer:
	Title: Date:
CHIEF EXECUTIVE OFFICER'S SIGNATURE (requ	
The information provided in this application is complete and accurate report will be completed and returned to the Board Mahin 30 days  Chief Executive Officer's Signature:  (Signature must be CEO's signature)	of the event date.  Date:
REQUIREMENTS	MAIL APPLICATION AND ATTACHMENTS
Complete a separate application for:  • all gambling conducted on two or more consecutive days, or  • all gambling conducted on one day.  Only one application is required if one or more raffle drawings are conducted on the same day.  Financial report to be completed within 30 days after the gambling activity is done:  A financial report form will be mailed with your permit. Complete	Mail application with:  a copy of your proof of nonprofit status, and application fee (non-refundable). If the application is postmarked or received 30 days or more before the event, the application fee is \$100; otherwise the fee is \$150. Make check payable to State of Minnesota.  To: Minnesota Gambling Control Board 1711 West County Road B, Suite 300 South
and return the financial report form to the Gambling Control Board.  Your organization must keep all exempt records and reports for 3-1/2 years (Minn. Statutes, section 349.166, subd. 2(f)).	Roseville, MN 55113  Questions? Call the Licensing Section of the Gambling Control Board at 651-539-1900.
Data privacy notice: The information requested application. Your organi	

Data privacy notice: The information requested on this form (and any attachments) will be used by the Gambling Control Board (Board) to determine your organization's qualifications to be involved in lawful gambling activities in Minnesota. Your organization has the right to refuse to supply the information; however, if your organization refuses to supply this information, the Board may not be able to determine your organization's qualifications and, as a consequence, may refuse to issue a permit. If your organization supplies the information requested, the Board will be able to process the

application. Your organization's name and address will be public information when received by the Board. All other information provided will be private data about your organization until the Board issues the permit. When the Board issues the permit, all information provided will become public. If the Board does not issue a permit, all information provided remains private, with the exception of your organization's name and address which will remain public. Private data about your organization are available to Board members, Board staff whose work requires access to the information; Minnesota's Depart-

ment of Public Safety; Attorney General; Commissioners of Administration, Minnesota Management & Budget, and Revenue; Legislative Auditor, national and international gambling regulatory agencies; anyone pursuant to court order; other individuals and agencies specifically authorized by state or federal law to have access to the information; individuals and agencies for which law or legal order authorizes a new use or sharing of information after this notice was given; and anyone with your written consent.

This form will be made available in alternative format (i.e. large print, braille) upon request.

# Office of the Minnesota Secretary of State Certificate of Good Standing

I, Steve Simon, Secretary of State of Minnesota, do certify that: The business entity listed below was filed pursuant to the Minnesota Chapter listed below with the Office of the Secretary of State on the date listed below and that this business entity is registered to do business and is in good standing at the time this certificate is issued.

Name: CITY HEAT CHARITIES

Date Filed: 05/05/2006

File Number: 1837830-2

Minnesota Statutes, Chapter: 317A

Home Jurisdiction: Minnesota

This certificate has been issued on: 02/07/2017

THE STATE OF THE S

Oteve Vimon

Steve Simon

Secretary of State State of Minnesota



# Lexington Fire Department

Lexington Avenue, Lexington MN 55014 City (763)784-2792 Fax (763)785-8951 Station (763)784-1604 Chief Gary G. Grote

February 16, 2017

To:

Bill Petracek

Lexington City Administrator

Subject: Purchase of New Mini Pumper Fire Truck

The annual report has a section that identifies all of the Fire Department Vehicles along with the estimated year of replacement. There are 2 vehicles that are scheduled for replacement;

Fire Apparatus	<u>Year</u>	Est. Replacement
Tender 1 – Water Tender	1987	2017 – 30 yrs
Utility 2 – F350 Grass Rig	1995	2015 – 20 yrs

The process of looking at a replacement vehicle started a couple years ago at the 2014 Fire Chiefs convention. Scott Lumby, the sales representative that assisted in the purchase of both our Engines had a Mini Pumper on display for the city of Eagan. Assistant Chief Mark VanderBloomer and I were shown the vehicle and we were interested in looking at utilizing a Mini Pumper as our primary Medical response vehicle.

The officers were in agreement with the concept of the Mini Pumper. We have had Rosenbauer, Pierce, McQueen and Custom show us some examples of their vehicles. Some of the officers have toured the facilities where the vehicles are manufactured and have visited other fire departments with Mini pumpers made from these suppliers.

Rosenbauer – Very large company, some of the comments were poor customer service.

Pierce – Very large company and with the new changes they made for sales is that you are required to use their service company, McQueen.

McQueen – New to building trucks and the closest vehicle is at Tisch Mills Wisconsin. You have to use them for all service work.

Custom – Large company, Scott Lumby is the sales representative. There are a number of departments that have Custom vehicles with few issues.

Scott Lumby has a great history and relationship with Lexington Fire. The officers and I have acquired a specification and quote from Custom Fire for the purchase of a Mini Pumper, (see attached). We would sell the Tender and the Grass Rig with the funds going back into the Fire Equipment replacement fund.

This vehicle will be purchased with funds from the revolving equipment allocation. With the policy stating that all expenses over \$1000.00 need to be approved by the City Council. The Fire Department would like to have this placed on the agenda for the next City Council meeting for approval.

Please feel free to contact me should you have any questions.

Thank you

Gary Grote

Lexington Fire Chief



Custom Filre Apparatus, Inc. ■ 509 68th Ave., Osceola, WI 54020-4044 ■ 7/15.294.2555 Fax 7/15.294.2168

WWW.customfire.com

To:

City of Lexington
HGAC Member
Lexington Fire Department
Lexington, Minnesota

February 9, 2017

# HGAC-BUY SALES PROPOSAL FOR INITIAL ATTACK APPARATUS

Dear Sirs:

We hereby propose and agree to furnish, after your acceptance of this proposal and the signing of a contract, the following new Apparatus and Equipment:

"One (1) HGAC CB01 Initial Attack Apparatus, on a four door Ford F550 commercial chassis, 300 gallon-per-minute rear mounted fire pump system, 300-gallon capacity water tank, apparatus body fabricated aluminum per the provided specifications."

All of which are to be done in accordance with the Proposal specifications provided, and will be made part of the necessary contracts.

### PROPOSAL PRICE

The above offered is made for the sum of: USD \$217,684.75 (Two Hundred Seventeen Thousand Six Hundred Eighty-Four Dollars and 75/100 Cents), FOB Lexington, Minnesota. NOTE: This price is per HGAC contract pricing and is inclusive of the \$1,000 HGAC purchase fees.

#### SALES TERMS

A Down Payment in the amount of \$54,750 is due with contract execution to reserve the stock chassis. Full and final payment is due on day of delivery. You may pre-pay any undue funds in advance and earn .42% simple interest per each full calendar month until funds become due. (Equates to 5% per annum.) For example, to Pre-pay in full with contract execution by February 14, 2017, and take delivery in 2-1/2 months, on May 1, 2017, you may deduct -\$1,710.83.

#### PROPOSAL VALIDITY

First-Come-First-Served

DELIVERY SCHEDULE

2-1/4 Months from Signed Contract Acceptance, or May 1, 2017, whichever is latest.

Respectfully Submitted,

CUSTOM FIRE APPARATUS, INC.

James M. Kirvida

President of the Corporation



### GENERAL WARRANTY

The new fire Initial Attack apparatus manufactured per these specifications shall be warranted for a period of ONE (1) year from the date of delivery, except for chassis and other components noted herein.

Under this warranty, Bidder agrees to furnish any parts to replace those that have failed due to defective material or workmanship where there is no indication of abuse, neglect, unusual or other than normal service providing that such parts are, at the option of the Bidder, made available for inspection upon request, returned to Bidder's factory or other location designated by Bidder with transportation prepaid within 30 days after the date of failure or within ONE (1) year from the date of delivery of the apparatus to the original purchaser, whichever occurs first, and inspection indicates the failure was attributed to defective material or workmanship. Accessories/components warranted by their original manufacturer may be subject to reinstallation charges under the terms of their respective warranties, especially if such warranties exceed the above 1-year warranty terms.

The warranty on the chassis and chassis supplied components, storage batteries, valves, generators, electrical lamps and other devices subject to deterioration is limited to the warranty of the manufacturer thereof and adjustments for the same are to be made directly with the chassis manufacturer by the Purchaser.

This warranty will not apply to any fire apparatus which has been repaired or altered outside the Manufacturer factory or designated facility in any way, which, in the manufacturer's opinion might affect its stability or reliability. Each warranty claim needing repair or service at the designated facility must receive preauthorization by Manufacturer prior to performance of any work.

This warranty will not apply to those items which are usually considered to be normal maintenance and upkeep services: including, but not limited to, normal lubrication or proper adjustment or minor auxiliary pumps or reels.

Refer to the "FIRE PUMP" section and "BOOSTER TANK" section for specific extended Manufacturer's warranties on the provided Fire Pump and Water (Foam) Tank(s).

This warranty is in lieu of all other warranties, expressed or implied, all other representations to the original purchaser, and all other obligations or liabilities, including liabilities for incidental or consequential damage on Bidder's part. Without limiting the foregoing, any express or implied warranties of merchantability or fitness for a particular purpose or warranties arising by Customer usage or by operation of law with regard to any products delivered pursuant hereto are expressly disclaimed. Bidder neither assumes nor authorizes any person to assume for Bidder, any liability in connection with the sales of Bidder's apparatus unless made in writing by the Bidder.



### 10-YEAR WARRANTY ON ALUMINUM BODY FABRICATIONS

The fire apparatus manufacturer (body builder) shall warrant to the original purchaser only, that the aluminum body components as fabricated by the body builder, under normal use and with reasonable maintenance, be structurally sound and shall remain free from corrosion perforation for a period of TEN (10) years.

Body Warranty coverage shall be transferable to a second owner of the vehicle.

This warranty does not apply to the following items which are covered by a separate warranty: paint finish, graphics, hardware, moldings, and other accessories attached to this body.

FIRE APPARATUS MANUFACTURER MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE ALUMINUM BODY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED.

The body builder shall replace, without charge, repair at the factory, or make a fair allowance for any defect in material or workmanship demonstrated to the satisfaction to have existed at the time of delivery or not due to misuse, negligence, or accident. If the body builder elects to repair the body, the extent of such repair shall be determined solely by the body builder, and shall be performed solely at the body builder's factory, or at an approved facility. The expense of any transportation to or from such repair facility shall be borne by the purchaser and is not an item covered under this warranty.

The fire apparatus manufacturer (body builder) shall not be liable for consequential damages and under no circumstances shall its liability exceed the price for a defective body. The remedies set forth herein are exclusive and in substitution for all other remedies to which the purchaser would otherwise be entitled.

The fire apparatus manufacturer (body builder) shall be given a reasonable opportunity to investigate all claims. The purchaser must commence any action arising out of, based upon or relating to agreement or the breach thereof, within twelve months from the date the cause of the action occurred.

### 5-YEAR APPARATUS PAINT WARRANTY

The five (5) year paint performance guarantee will cover the areas of the vehicle as are originally finished by the apparatus body manufacturer with the specified product for a period of FIVE (5) years beginning the day the vehicle is delivered to the purchaser.

The areas as outlined on the Guarantee Certificate, will be covered for the following paint failures:



#### **GUARANTEE INCLUSIONS:**

### FULL APPARATUS BODY:

- \* Peeling or delamination of the topcoat and/or other layers of paint.
- \* Cracking or checking
- \* Loss of gloss caused by cracking, checking, or hazing.
- \* Any paint failure caused by defective finishes which are covered by this guarantee.

All guarantee exclusions, limitations, and methods of claims are covered in the full certificate provided to the original owner.

The warranty on the chassis paint is limited to the warranty of the manufacturer thereof and adjustments for the same are to be made directly with the chassis manufacturer by the Purchaser. Where painted shutter style doors are provided the warranty is limited to that which is provided by the manufacturer thereof. Graphics are excluded from refinishing under warranty.

#### LIFETIME SUB-FRAME WARRANTY - STAINLESS STEEL

The specified tubular stainless steel apparatus body sub frame shall be warranted to the original owner, for the vehicle lifetime, against cracks, corrosion and rubber isolator deterioration.

## WARRANTY- ELECTRICAL SYSTEM - 12 VOLT DC

The Apparatus 12-volt DC Electrical System (exclusive of chassis) shall be covered, by Custom Fire Apparatus, Inc. under normal use with normal service and maintenance, for a period of two (2) years, of which one (1) year is for Parts & Labor, and year two is for Parts Only. This warranty covers: Power Distribution System (PDC), Looms and Harnesses, Multi-Pin Connectors, and Workmanship as provided by Custom Fire Apparatus, Inc. Individual emergency and non-emergency electrical devices, light fixtures, audible equipment, intercoms, and motors shall be covered by the prevailing manufacturer's warranty.



### LIFETIME WARRANTY - WATER TANK

The water tank, and its installed accessories, shall be covered by a "Lifetime" Warranty, against cracks, corrosion, or other failures caused by the tanks design and normal use of the same. The warranty shall be between the tank manufacturer, and the customer.

### TANK CRADLÉ STRUCTURE WARRANTY

The tank cradle is to have a lifetime warranty, covering both structural and corrosion, as provided by body builder.

#### **PUMP WARRANTY**

The specified Waterous fire pump and Waterous accessories shall carry a Waterous five (5) year warranty covering defective parts only.

#### PUMP PLUMBING WARRANTY

The stainless steel plumbing components and ancillary brass fittings used in the construction of the water/foam plumbing system shall be warranted for a period of ten (10) years or 100,000 miles. This covers structural failures caused by defective design or workmanship, or perforation caused by internal or external corrosion, provided the apparatus pumping system is used in a normal and reasonable manner. This warranty is extended only to the original purchaser for a period of ten (10) years from the date of delivery.

This warranty shall apply only to the piping for the discharges and intakes plumbed to the truck's main water pump and shall not include the pump, valves or any aspects of the product that are covered by specific Supplier warranties.

Additionally, labor to replace defective components and fittings will be covered for a period of One (1) year beyond the delivery date.

### CHASSIS BEING FURNISHED: COMMERCIALLY-BUILT CAB & CHASSIS

The following specified chassis is a commercially-built "conventional style" cab and chassis, to be provided by Custom Fire Apparatus, and its cost is included in the Total Bid Proposal Price.



## 2016 CAB AND CHASSIS TO BE FURNISHED:

### BASE VEHICLE:

Engine Block Heater

Part-Time Four-Wheel-Drive Shift-on-the-Fly

Automatic Hubs with Manual Override

Stainless Steel Exhaust

Hydraulic Power Steering

4-Wheel Disc Brakes

Mono-Beam Front Suspension, Anti-Roll Bar, Coil Springs, HD Shocks

Rigid Rear Axle, Rear Leaf Suspension, Anti-Roll Bar, HD Leaf Springs HD Shocks

19.5" x 6.00" Wheels

4-Wheel Anti-Lock Brake System

Dual Air Bags, Side Impact, 2-Row Curtain Overhead Air Bags

Front Height Adjustable Seat Belts

Air Conditioning

Cruise Control

Power Door Locks

Power Windows

Dual 12v DC Outlets

Analog Instrumentation

Tachometer

Coolant Temperature

Turbo Boost

Transmission Fluid Temperature

Engine Hour Meter

**Exterior Temperature** 

Miles and Trip Mileage Meters

Tilt and telescopic Steering Wheel

Light Tint Manual Operator Windows

Intermittent Wipers

Interior Dome and Reading Lights

4-Way Adjustable Driver and Front Passenger Seats

Cloth Headliner

Vinyl Rubber Floor Coverings

Exterior Trim:

Fender Flares

Window Moldings

Door Handles, Black



Front Bumper, Chrome
Front Grille, Chrome
Mirror Shrouds, Black
Runningboards, Black
Trailer Harness w/Brake Controller
Front Tow Hooks
Aero Halogen Headlights
Cab Exterior Clearance Lights
Clear coat Police/Fire Monotone Paint
Warranties:

Basic:

36 Mo/36,000 Miles

Power train:

60 Mo./60,000 Miles

Diesel Engine:

60 Mo/100,000 Miles

40-Gallon Fuel Tank

# TYPE/MODEL: 4x4 SD Crew Cab 200" WB DRW XL (W5H)

Chassis shall be new, with warranty start on completed delivery.

Model to be a Ford 550 4x4, 4-Door Crew Cab & Chassis

Wheelbase to be 200 inches, with 84 inch cab-to-axle

ENGINE: 6.7L OHV Power Stroke diesel V8 B20

Dual Alternator, 67A

Dual 78 AH 12-Volt Batteries

660 ft. lbs. Torque @ 1600 RPM

TRANSMISSION: TorqShift 6-Speed Automatic w/OD & SelectShift

LIMITED SLIP W/4.88 Axle Ratio

GVWR: 19,500 lb. Payload Plus Upgrade Package

TIRES: 2-Front/4-Rear Max-Traction/All Terrrain

WHEELS: 19.5 Polished Aluminum



SEATS & TRIM: HD Vinyl 40/20/40 Split Bench

PAINT TWO-TONE JOB COLORS: Black over Red

POWER EQUIPMENT GROUP:

Accessory Delay

Power Locks

Remote Keyless Entry

Power Windows

Manual Telescoping Trailer-Tow Mirrors, Heated w/Convex

SHIFT-ON-THE-FLY 4x4 TRANSFERCASE

Manual Locking Hubs and Auto Rotary Control on Dashboard

TRANSMISSION PTO PROVISION (only)

MANUAL REGENERATION (OCR)

**DUAL ALTERNATORS, 357-Amps Total** 

8" ANGULAR BLACK MOULDED RUNNINGBOARDS

TRAILER BRAKE CONTROLLER

RADIO: AM/FM Stereo w/Digital Clock

BACK-UP CAMERA PREP PACKAGE - Including Rear View Mirror Monitor

AUDIBLE BACK-UP/REVERSE ALARM

FIRE/RESCUE PREP PACKAGE

## MODIFICATIONS TO CHASSIS, AS TO BE PROVIDED BY BODY BUILDER:

The following special modifications are to be made by the fire apparatus body builder/manufacturer, to the specified fire apparatus truck cab and chassis.

### NFPA RELATED STANDARDS:



#### GROUND CLEARANCE STANDARDS

Axle housings are to clear the road surface by at least 8" and an angle of departure of at least 8 degrees is to be maintained at rear of the vehicle when fully loaded.

#### VISIBLE WARNING DEVICE AND PLACARDS

The specified "Door Ajar" indicator light is to be mounted inside chassis cab so as to be visible to the driver.

### CHASSIS MODIFICATIONS: SUPER DUTY CHASSIS APPLICATION:

### SPEED GOVERNOR TEST

Engine limiting speed governor is to be tested, upon arrival at the Body Builder's factory for compliance with the maximum no-load engine operating speed, as determined on appropriate engine power curve sheet.

#### SUSPENSION AND FRAME CORROSION PROTECTION

Rear axle suspension brackets, left and right sides, front and rear, shall be caulked with silicone sealant preventing build-up of road salts and moisture that may cause future corrosion of bracket-to-frame-rail attachment points.

### FRAME PREPARATION, RELOCATION OF DEF RESERVOIR

In order to allow for installation of the optionally specified fire pump transmission, the OEM chassis DEF reservoir is to be relocated, from the inboard frame location, to outboard of the frame rail on the passenger side. Where rivets or permanent fasteners are provided by the chassis OEM, to mount DEF components, they are to be removed and replaced by hardened threaded fasteners.

### FIRE SERVICE FRAME RAIL MOUNTING PROCEDURE

All chassis frame rail mounted brackets, supports, pump flanges, and apparatus body subframe components will be bolted to the frame rail sides. No holes will be drilled in the frame flanges, only the web will be drilled. No welding will be allowed to the chassis frame, web, or flanges, ahead of the rear most spring shackles. Frame flange sandwich clamping devices will not be used.

### **ROLLOVER STABILITY - NFPA 1901:**

The apparatus must meet the rollover stability criteria defined in NFPA 1901 2009 Edition, and is to be verified with a "certified" Tilt-table Test performed at the body builder's factory.

### FLUID DATA LABEL



A printed Fluid Data Field label is to be provided, installed inside the chassis and visible from exterior ground level. Data Field is to provide the following information, as is applicable to the particular apparatus:

Engine Oil Engine Coolant Chassis Transmission Fluid Pump Transmission Lubrication Fluid Pump Primer Fluid Drive Axle Lubrication Fluid Air Conditioning Refrigerant Power Steering Fluid Transfer Case Fluid Front Tire Cold Pressure Transfer Case Fluid (chassis) Chassis Manufacturer **OEM Production Number** Paint Number Year Built Date Shipped Vehicle Identification Number (VIN)

Fluid Data label is to be permanently encased in a chrome full surround bezel.

### SEATING/OCCUPANCY LABEL

Rear Tire Cold Pressure

A label is to be installed in the cab to denote the exact number of passengers to be carried in the chassis cab and/or crew cab. Label is to be permanently encased in a chrome full surround bezel.

### DATA LABEL: OVERALL VEHICLE HEIGHT-LENGTH-WEIGHT-OCCUPANCY

There is to be a printed data field label located in direct view of the seated Driver, which indicates, in feet-and-inches; the overall height of the vehicle (to the highest permanent point-except antennas), and overall length of vehicle (bumper to tailboard). The delivered apparatus shall have a certified G.V.W.R. weight sticker applied to the vehicle on delivery which indicates chassis VIN number, front and rear axle capacity, manufacturers contact information and vehicle type. The data label is to indicate, in pounds, the



vehicle's total "as delivered" weight (with water load), and the maximum for seated occupants (250 pounds allowance for each person). Label is to be permanently encased in a chrome full surround bezel.

The dimensions and weight are to be "as manufactured", and the customer must revise the data plate, if they so change the height (by permanent loading and accessory equipment/device installations), and the weight by adding loose equipment, products, and supplies.

### SEAT BELT LABELS

Labels are to be provided in all seating areas, to WARN all occupants to wear their seatbelts. Labels are to be visible to each and every seated position. Labels are to be permanently encased in a chrome full surround bezel.

### 2012 COMPLIANT DPF/DEF EXHAUST SYSTEM

The original equipment chassis engine DPF/DEF (diesel particulate filter/diesel exhaust fluid) exhaust system, upstream and downstream of the passenger side outlet, shall remain unaltered (not modified), so as to remain in compliance with 2010 exhaust emission standards. The apparatus body design and accessory installations may have to be compromised, in order to prevent interference with the exhaust system components. Fabricated stainless steel heat deflector plates are to be provided, where necessary, to protect body manufacturer installed components from excessive radiant heat. Exhaust outlet shall terminate below body compartment floor rearward of rear wheels on passenger side of vehicle.

# UREA FILL ACCESS DOOR & CUBBY, DRIVER SIDE FORWARD WHEEL WELL

A Cast Products or equivalent brushed aluminum leading edge vertically hinged fuel fill door with recessed metal cubby is to be furnished, bolted in position, in the rearward location of the driver side apparatus body wheelwell panel. "UREA EXHAUST ADDITIVE ONLY" blue (color) nametag is to be furnished, on the interior door.

The OEM furnished "blue" rotary-locking Urea fill cap is to be installed in the fuel fill cubby. The OEM Urea fill hose and Urea vent hose assemblies are to be installed, extending from the cubby to the underbody diesel tank.

### FUEL FILL ACCESS DOOR & CUBBY, DRIVER SIDE REARWARD WHEEL WELL



A Cast Products or equivalent brushed aluminum leading edge vertically hinged fuel fill door with recessed metal cubby is to be furnished, bolted in position, in the rearward location of the driver side apparatus body wheelwell panel. "LOW SULFUR DIESEL FUEL ONLY" green (color) nametag is to be furnished, on the interior door.

The OEM furnished "green" rotary-locking fuel fill cap is to be installed in the fuel fill cubby. The OEM fuel fill hose and fuel vent hose assemblies are to be installed, extending from the cubby to the underbody diesel tank.

### GATED COOLANT LINES: AUXILIARY HEATER(S)

Engine cooling system chassis cab heater return-to-engine line shall be separated and equipped with a 1/2" i.d. bronze NRS screw type gate valve and 5/8" i.d. neoprene rubber heater hose extending to specified auxiliary heater(s). An additional 1/2" bronze NRS gate valve is to be provided on the auxiliary heater(s)-to-engine return line. Gate valves shall allow complete shut-off of the chassis cab and remote auxiliary heating system(s) that are downstream of the chassis cab heater. Gate valves shall prevent hot water circulation during warm weather periods, and allow shut-down should a hose or heater core leak develop.

### COOLANT "BOOST" PUMP, REAR FIRE PUMP APPLICATION

The specified rear fire pump compartment auxiliary heater core shall be piped to the engine coolant system, installation to include: 12-volt in-line Groco "free-flow" centrifugal cast bronze bodied coolant "boost" pump, parallel run of high grade coolant hoses with stainless steel screw type hose clamps, and chassis cab mounted toggle switch control with engraved nameplate to read: "COOLANT PUMP", accessible to driver. Installation of coolant pump shall provide increased rate of coolant flow to assure maximum available chassis cab and rear pump enclosure auxiliary heater core temperatures during extreme winter conditions.

#### TIRE PRESSURE WARNING DEVICE, LED CAPS FOR 6 TIRES

There shall be a VECSAFE LED, tire alert pressure management system provided that shall monitor each tire's pressure. A chrome plated brass sensor shall be provided on the valve stem of each tire for a total of six (6) tires. The sensor shall activate an integral battery operated LED when the pressure of a tire drops 8 psi, from the nominal pressure when the cap was installed. Removing the cap from the sensor shall indicate the functionality of the sensor and battery. If the sensor and battery are in working condition, the LED shall immediately start blinking.

### **MUD FLAPS**



Driver's side and passenger's side front fender and rear body wheel well mud flaps shall be furnished, made of fabric reinforced neoprene rubber, bolted to the front fender liner and rear wheel well bulkheads using stainless steel strap brackets and bolts. Mud flaps shall extend approximately 10" below runningboard level.

VENDOR SUPPLIED RADIO/INTRCOM/ANTENNA - NONE PRV'D > Select Trays/Dockng Stat

### HELMET STORAGE

The customer shall store the firefighter's helmets inside one of the apparatus body compartments, during road travel.

== 4P - REAR MNT "MINI" PUMP SYSTEMS REV 4-20-14 - 0.000 01/14/10 ==

### FIRE PUMP SYSTEM

### WATEROUS SINGLE-STAGE 1000 GPM CXD, END SUCTION FIRE PUMP

A 300 gallon per minute, Waterous Model CPK-2, Class A, single-stage centrifugal fire truck pump with gear style cast iron transmission shall be furnished, mounted "rear centerline" of the vehicle, rearward of the water tank, above chassis frame rails and between the specified rear side compartments. The vehicle engine is to provide sufficient horsepower and RPM to enable pump to meet and exceed its rated performance. Pump is to be driven by the optionally specified speed increasing pump transmission, and is to deliver the percentage of rated capacity at discharge pressures indicated below:

100 percent of rated capacity at 150 pounds net pressure

100 percent of rated capacity at 165 pounds net pressure

70 percent of rated capacity at 200 pounds net pressure

50 percent of rated capacity at 250 pounds net pressure

#### **PUMP FEATURES:**

Additional pump features shall include: bronze replaceable impeller and impeller seal ring, stainless steel impeller shaft, grease or oil lubricated bearings, vertically split volute, and all moving parts which come into contact with water to be bronze or stainless steel.

### REAR PUMP MOUNTING



The specified rear mount pump system with K-style pump transmission is to be independently mounted to a transverse heavy plate fabricated sub-frame, which itself is bolted to and easily removable from the chassis frame rails. All assembly bolts to be Grade-8, with locking style removable nut fasteners.

### MANUFACTURER HYDRO TEST

The pump shall be tested by Waterous, hydrodynamically at above pressure and capacities, and for 10 minutes hydrostatically at a pressure of 600 psig. Certification by Waterous shall be provided in delivery manual.

The Apparatus Manufacturer's pump performance test to be performed after construction. Factory certification to be provided in delivery manual.

#### PUMP INSTRUCTION MANUALS

Two (2), Waterous instruction manuals, one (1) digital CD format, and one (1) hard copy, to be provided upon delivery of the apparatus. Manuals to be pump model and serial number specific, to include but not be limited to operation instructions, maintenance (lubrication), and illustrated parts break-down.

### PUMP TEST DATA PLATE

The pump shall be provided with a metal plate giving the rated flow at "capacity" and "pressure" test pressures, together with the RPM of the engine at those pressures and deliveries, and mounted in clear view of the pump operator's panel. Test plate shall also indicate pump serial number, engine governed speed, and pump mode of operation for all four individual pump rating tests.

#### GEAR STYLE "SPLIT-SHAFT" PUMP TRANSMISSION AND DRIVELINE

A heavy duty 16,000 pound-foot torque rated gearbox pump drive transmission is to be furnished for high torque engine applications. The transmission drive unit is to be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature. The gearbox drive shafts are to be of heat-treated chrome nickel steel and at least 2-3/4 inches in diameter, on both the input and output drive shafts, and are to withstand the full torque of the engine. All gears, both drive and pump, are to be of highest quality electric furnace chrome nickel steel. Bores are to be ground to size and teeth integrated and hardened, to give an extremely accurate gear for long life, smooth, quiet running, and higher load carrying capability. An accurately cut spur design is to be provided to eliminate all possible end thrust. The pump transmission ratio is to be selected by the apparatus manufacturer to give maximum performance with the engine and transmission selected.



Input and output split-shaft transmission drive multiple bolt companion flanges are to be furnished, torque capacity compatible with the vehicle's driveline.

# PUMP -TO- TRANSMISSION UPPER LEVEL DRIVELINE

The pump transmission to be mounted "midship" of the vehicle, to the rear of the chassis transmission. Transmission to be suspended between chassis frame rails, easily removable, equipped with Spicer 1410 series output driveline components extending to specified fire pump end yoke. Output driveline to include: cross bearings, slip yoke, slip stub shaft, heavy wall minimum diameter tubing, and other accessories necessary for high speed power transmission and easy removal.

Pump transmission output shaft is to be "low profile" (minimum height above chassis frame rails), so as to allow bottom of specified water tank no more than 6" above chassis frame rails.

## PUMP TRANSMISSION -TO- CHASSIS COMPONENTS LOWER LEVEL DRIVELINE

Spicer driveline components are to be furnished to facilitate split-shaft transmission installation, components are to include: slip stub shafts, slip yokes, and cross & bearings to be compatible with pump transmission end yokes and chassis driveline. Modified drivelines shall be high speed balanced.

### PUMP SPLIT-SHAFT TRANSMISSION LUBRICATION FLUID TYPE/CAPACITY PLATE

A permanently mounted metal "fluids" plate shall be furnished, as previously specified above. The lubrication/fluids plate shall specify the quantity and type of lubricant fluids (where applicable) as used in this fire pump system.

#### MECHANICAL PUMP SEAL

The Waterous end suction pump shall be equipped with a mechanical self-adjusting impeller shaft seal assembly.

### HALE PNEUMATIC PUMP SHIFT

Pump transmission "gear box" to be equipped with a Hale "VPS" pneumatic power shift. The shifting mechanism to be heat treated hard anodized aluminum power cylinder, with stainless steel shaft. An in-cab control for rapid shift to be provided that locks in "ROAD" or "PUMP". In-cab control to be easily accessible to driver, marked with proper shifting instructions.

Three (3), green warning lights to be provided indicating to operator when pump has completed the shift from "ROAD" to "PUMP" position. Two (2), of these green lights to be located adjacent to in cab control, one (1), light to be located on operator's control panel adjacent to engine throttle control. All lights to have appropriate identification/instruction plates.



Pump transmission's pneumatic power shift mechanism and the Pump Shift Console are to be plumbed to the chassis air system, downstream of the Pressure Protection System, using high pressure nylon tubing and brass fittings.

The OK To Pump indicator lights, inside the chassis cab and at the pump operator's control panel are to be provided with circuit protection, wired to and activated by the vehicle transmission position and pump shift signals.

### TRANSMISSION LOCK-UP

The direct gear (1:1 ratio) transmission lock-up for the fire pump operation shall engage automatically when the pump shift control, in the cab, is activated.

## PNEUMATIC COMPRESSOR AND RESERVOIR KIT FOR AIR PUMP SHIFT

A 12-volt electrically operated air compressor, regulator, and air reservoir are to be furnished and installed on the apparatus. The air compressor "kit" is to be functional whenever the vehicle engine is running, and is to provide pressurized air made available for operation of the air style fire pump transmission shift device.

### PUMP TEST DATA LABEL

The pump control panel is to be provided with a printed data field indicating the rated flow at 150, 165, 200 and 250 test pressures, together with the RPM of the engine at those pressures and deliveries. Test Label is to be mounted in clear view of the pump operator's position, as per NFPA 1901 compliance.

Test label is to also indicate the following information:
Pump Make and Model
Pump Capacity
Apparatus Date of Manufacture
Apparatus Model Designation
Apparatus Serial Number
Apparatus Production Number
Engine Governed Speed
Pump Transmission Gear Ratio (to Engine)

Data field is to be permanently encased in a chrome full surround bezel.

### GATED INLET WARNING LABEL(S)



At any gated suction inlets, a permanent label is to be provided to read: "WARNING - DEATH OR SERIOUS INJURY COULD OCCUR IF PROPER OPERATING PROCEDURES ARE NOT FOLLOWED".

### **AUXILIARY COOLING SYSTEM**

A supplementary heat exchanger system shall be installed on the apparatus. The heat exchanger shall be installed inside the pump or engine compartment. The heat exchanger system shall be so designed as to allow for cold water from the discharge side of the fire pump to circulate through the heat exchanger tubes. The mixing of discharge water and radiator anti-freeze in the chassis engine shall not occur as the heat exchanger is a closed system. Piping from the fire pump to the heat exchanger, and return (to pump Master Drain suction port), shall be with high pressure line.

### MANIFOLD DRAIN: DISCHARGE AND SUCTION PORTS

A Trident equivalent manifold drain valve, with bronze body will be furnished installed inside pump compartment. Drain valve to be mounted in lowest portion of pump compartment, piped with high pressure nylon tubing, to low points of pump suction and discharge cavities to allow simultaneous draining through a single drain valve.

Drain valve to be a 10-port "screw type" mounted beneath all drain ports, to include a rotating control shaft and remote pump panel flutted control with engraved placard describing operation.

### INTAKE RELIEF VALVE, 2-1/2" STAINLESS STEEL

A Class 1 model 107819 stainless steel pump suction intake relief valve shall be furnished, installed inside pump compartment, flange bolted or threaded to suction cavity of the fire pump. Valve to be of the pre-set (to 125 psi) adjustable bypass design, to dump below the vehicle excessive inlet water pressure. Relief valve to be accessible for future adjustment of bypass pressure.

### INTAKE RELIEF VALVE, WITH DISCHARGE TO BELOW PUMP MODULE

The specified fire pump suction manifold Intake Relief Valve's outlet is to discharge down, to below the pump module (same as pump drain valve).

### PRESSURE GOVERNOR and MONITORING DISPLAY



Fire Research PumpBoss model PBA400-A00 pressure governor and monitoring display kit is to be provided and installed. The kit is to include a control module, pressure sensor, and cables. The control module case is to be waterproof and have dimensions not to exceed 6 3/4" high by 4 5/8" wide by 1 3/4" deep. Inputs for monitored information shall be from a J1939 data bus or independent sensors. Outputs for engine control shall be on the J1939 data bus or engine specific wiring.

### **FUNCTION INDICATORS**

The following continuous displays shall be provided:

- CHECK ENGINE and STOP ENGINE warning LEDs
- Engine RPM; shown with four daylight bright LED digits more than 1/2" high
- Engine OIL PRESSURE; shown on an LED bar graph display in 10 psi increments
- Engine TEMPERTURE; shown on an LED bar graph display in 10 degree increments
- BATTERY VOLTAGE; shown on an LED bar graph display in 0.5 volt increments
- PSI / RPM setting; shown on a dot matrix message display
- PSI and RPM mode LEDs
- THROTTLE READY LED.

#### MESSAGE DISPLAY

A dot-matrix message display shall show diagnostic and warning messages as they occur. It shall show monitored apparatus information, stored data, and program options when selected by the operator.

The program shall store the accumulated operating hours for the pump and engine, previous incident hours, and current incident hours in a non-volatile memory.

Stored elapsed hours shall be displayed at the push of a button.

It shall monitor inputs and support audible and visual warning alarms for the following conditions:

- High Engine RPM
- High Transmission Temperature
- Low Battery Voltage (Engine Off)
- Low Battery Voltage (Engine Running)
- High Battery Voltage
- Low Engine Oil Pressure
- High Engine Coolant Temperature

#### **CONTROL MODES**

The governor shall operate in two control modes, pressure and RPM. No discharge pressure or engine RPM variation shall occur when switching between modes. A control knob that uses optical technology shall adjust



pressure or RPM settings. It shall be 2" in diameter with no mechanical stops, a serrated grip, and have a red idle push button in the center.

#### THROTTLE INDICATOR

A throttle ready LED shall light when the interlock signal is recognized. The governor shall start in pressure mode and set the engine RPM to idle.

### PRESSURE CONTROL

In pressure mode the governor shall automatically regulate the discharge pressure at the level set by the operator.

#### ENGINE RPM CONTROL

In RPM mode the governor shall maintain the engine RPM at the level set by the operator except in the event of a discharge pressure increase.

The governor shall limit a discharge pressure increase in RPM mode to a maximum of 30 psi. Other safety features shall include recognition of no water conditions with an automatic programmed response and a push button to return the engine to idle.

### **ENGINE APPLICATION**

The pressure governor and monitoring display shall be programmed for Cummins IS series engines.

### LOCATION

Location of the governor and monitoring display shall be at pump operator's panel.

### INTERMOTIVE ADAPTER

An intermotive adapter is to be provided for use with the above specified Pump Boss and the Ford engine programming.

### PRIMER PERFORMANCE REQUIREMENTS

The pump shall be capable of taking suction and discharging water with a lift of 10 ft. in not more than 30 seconds with the pump dry, through 20 ft. of suction hose of appropriate size. It shall be capable of developing a vacuum of 22" at an altitude of up to 1000 ft.

#### WATEROUS VPOS PUMP PRIMER



A high capacity positive displacement self-lubricating priming system shall be furnished, consisting of: a Waterous VPO "oil-less" rotary vane priming pump with 12-volt electric motor drive, and a push-button priming valve actuator on pump operator's panel. Priming pump shall be mounted beneath fire pump.

### WATEROUS VPA VACCUM ACTIVATED PRIMING VALVE

There shall be a Waterous model VPA vacuum activated priming valve supplied with the pump. The valve shall open automatically when the priming system is activated. The valve shall be installed on the pump or mounted remotely.

### HEAT ENCLOSURE, ALUMINUM

A removable heater casing is to be provided, completely enclosing the underside of the fire pump compartment module. Heater casing side and end panels are to be fabricated entirely of natural finish smooth sheet aluminum, bolted to and easily removable from the bottom perimeter of the pump module. So as to allow maximum ground clearance, the heater casing shall of the minimum depth required to enclose the pump and its accessories. Two (2) individual smooth aluminum slide-out bottom panels are to be provided, criss-cross reinforced with drain holes and ¼-turn butterfly clamp latch, removal of which allows for inspection of and access to the fire pump.

### HOT WATER TYPE PUMP COMPARTMENT HEATER

A 30,000 BTU Badger R-255-0 or equivalent hot water type automotive heater to be furnished and installed inside pump compartment. Heater installation to include: gated engine coolant feed and return lines, dual 12-volt electric fans, and fan control located on pump control panel.

#### PUMP HEATER HOSES AND CLAMPS

The hot water heater core feed and return lines shall be minimum 3/4" i.d. rubber construction.

Hose clamps are to be screw-to-tighten style, constructed of non corrosive material.

#### PUMP WARRANTY

The specified Waterous fire pump and Waterous accessories shall carry a Waterous five (5) year warranty covering defective parts only.

Refer to above "Fire Pump System" section for furnished pump manuals.



## PUMP TEST. PRELIMINARY AND FINAL CERTIFICATION TESTING

After a "preliminary" apparatus factory performance test, the above specified pump test/certification is to be performed by apparatus manufacturer and "witnessed" by an independent third party as per NFPA 1901 pumping standards, with proper serialized certification provided upon apparatus delivery.

### "ROUND TUBULAR" HIGH-FLOW SUCTION MANIFOLD PIPING

A stainless steel "high-flow" round tubular suction manifold shall be furnished, flange bolted or Victaulic coupled to and easily removable from, the fire pump's volute suction inlet. All auxiliary side threaded taps and/or Victaulic risers shall be "coped" to conform to radius of larger size waterway, so as to provide unsurpassed flow characteristics.

NOTE: Due to the poor flow characteristics, a suction manifold fabricated of square or rectangular tubing with flat-mount weld spuds and/or riser pipes for auxiliary suction taps, is not an acceptable substitute to a tubular manifold.

The suction manifold itself shall contain multiple Victaulic and threaded outlet ports, to facilitate the installation of all the specified gated suction(s), tank-to-pump suction(s) line, and intake relief valve.

Heavy wall threaded stainless steel pipe and pipe fittings shall be used, wherever possible, upstream of the specified 2-1/2" suction valves.

All suction manifolds and fittings, suction valves, tubing's, and hoseline assemblies shall be pressure tested after installation.

### ANODE, INLET

One (1) sacrificial zinc anode shall be provided in the water pump inlet manifold, to protect the pump from corrosion.

### PUMP SUCTION INLETS

Following specified pump manifold inlets shall be of proper inside diameter for rated pump capacity, equipped with zinc die cast screens so as to provide cathode protection for pump waterways.

All intakes shall be provided with suitable closures capable of withstanding 500 psi, threaded caps shall be



chrome plated brass, rocker lug 3" and smaller, long handled larger than 3".

### SUCTION INLET VALVE STANDARDS (WHERE OPTIONALLY SPECIFIED)

Following optionally specified 3" or larger gated intakes (except the tank-to-pump intake) shall include a remote controlled valve mechanism that shall not permit changing the position of the flow regulating element of the valve from full close to full open, or vice versa, in less than 3 seconds. Where air type actuators are employed, they shall include dual (2-each) adjustable needle valve restrictors, bench set/tested, so as to facilitate the slow movement. Where manual gear or electric gear style actuators are employed, the crank or motor shall regulate movement speed.

#### SHORT SUCTION TUBE

The specified side pump suction inlet(s) shall be of minimum length to allow for exterior stacking of adapters or pre-connected hose.

#### INLET BLEEDER VALVES

Where specified, each gated intake shall be equipped with a bleeder valve located inside pump compartment (inside rear compartment-for rear suctions), upstream gate valve, with remote bleeder control in close proximity to the intake. The gated inlet bleeders shall consist of: 3/4" high pressure flexible hose assemblies extending between suction valve and bleeder valve, 3/4" cast bronze or stainless steel bleeder valve, exterior bleeder valve control handle, and an engraved or printed identification label. Bleeder controls for side gated inlets are to be located below the inlet, in a single row immediately above the runningboard/floor level. Bleeder controls for optionally specified rear inlets are to be located below the inlet, above the tailboard level. The bleeder valves shall be rotating quarter-turn style equipped with rectangular chrome plated control handles, which are horizontal when closed.

#### **HOSE THREADS**

Where specified, all screw-on/off threads shall be NST (National Standard Threads), all "sexless" couplings shall be Storz.

### SELF BLEEDING SUCTION CAPS

The specified "threaded" suction caps shall be the VLH Class-1, Trident or equivalent which incorporates a cross-machined thread design to automatically relief stored pressure in the line during un-capping.

### PUMP OVERHEAT PROTECTION



One (1), Waterous Overheat Protection Manager (OPM) model #82516-1A, thermal relief style valve to be furnished, installed on the two 1/2" tapped holes located near the center discharge area of the pump. The OPM consists of a valve that automatically opens when the water in the pump reaches 140 degrees and a warning light located on the pump operator's panel that is triggered by a thermal switch when the water in the pump reaches 180 degrees. The warning light acts as an additional protection device if the temperature inside the pump keeps rising although the valve is open. The OPM valve and switch are both mounted on the two (2) 1/2" tapped holes located near the center discharge area of the pump. Discharge shall be "to ground".

The warning light and test button shall be mounted to a heavy polished casting that is mounted to the pump operator's panel.

### VALVES - AKRON HEAVY DUTY 8800/8600 SERIES

All ball valves shall be Akron Brass in-line valves, dual directional flow style; suitable for suction and/or discharges.. The Akron valves shall be the 8800 or 8600 series heavy-duty style with flow optimizing stainless steel ball and a simple polymer two-seat design.

The specified Akron valves shall not require lubrication of their dual polymer seats or any other internal waterway components, and must be capable of swinging out of the waterway for in-line maintenance.

### **REAR SUCTION**

#### PUMP INTAKE ADAPTER

The rear mounted end suction fire pump's rear suction intake adapter shall be appropriate size for the specified pump rating, configured for use with specified rear suction inlet fitting(s). Intake adapter shall be flanged or of Victaulic style, to allow for removal of rear suction piping (upstream of pump body), intake relief valve, specified gate valve(s), tank-to-pump piping, and other optionally specified inlet fittings.

### 3" GATED SUCTION, 2-1/2" NST PLUGGED, CONTROL AT INLET

A rear gated 3" pump suction intake is to be provided, with: 2-1/2" NST male chrome plated rocker lug plug type cap with chain, 2-1/2" NST chrome plated rocker lug swivel female with internal strainer, bronze bleeder valve (inboard pump panel) with exterior control, 3" full flow Akron 8000 series 1/4-turn ball style self-locking bronze suction valve (located inboard pump panel) with through-the-panel model TS control arm, "OPEN" and "CLOSED" nameplates, and 3" i.d. stainless pipe or flanged casting between the valve and the pump intake manifold.

### TANK-TO-PUMP CONNECTIONS



### AKRON 3" TANK-TO-PUMP VALVE

A 3" full-flow Akron or equivalent tank-to-pump 1/4-turn valve to be furnished, with upstream 4" nipple flange. The gated suction line from specified tank sump to the tank-to-pump valve shall be furnished with a banded flexible "hump hose" connection and 4" i.d. straight-line stainless steel piping within the fire pump compartment. Tank-to-pump suction shall allow a flow rate exceeding 300 GPM.

### TANK-TO-PUMP CHECK VALVE

A 4" i.d. stainless steel or bronze corrosion resistant tank-to-pump suction check valve to be furnished, 300 GPM flow capable, to prevent "back-flow" of water from the pump-to-tank, if the tank suction valve is inadvertently left open.

### WATER TANK-TO-PUMP CONTROL, "PULL TO OPEN"

Specified tank-to-pump suction valve is to be remote controlled with lever style valve actuator and a manual push-pull style T-handle twist-to-lock operator's panel control. Tank-to-pump suction valve control is to be "In-Closed" and "Out-Open".

### TANK REFILL, 1" BALL VALVE

One (1), gated 1" tank fill discharge line, extending from pressure side of fire pump to water tank is to be provided, with: female TIPT tank fill spud located in upper portion of water tank, high pressure wire reinforced 1" hose with stainless steel grooved Victaulic end couplings, 1" Akron 8000 series bronze 1/4-turn self-locking ball style discharge valve configured for manual valve control located on the pump operator's control panel, and a nameplate to read: "TANK FILL".

### WATER TANK REFILL CONTROL, "PULL TO OPEN"

Specified water tank refill discharge valve is to be remote controlled with lever style valve actuator and a manual push-pull style T-handle twist-to-lock (for throttling) operator's panel control. Tank refill valve control is to be "In-Closed" and "Out-Open".

## TANK RECIRCULATING - PUMP COOLER

One (1), gated 3/8" pump recirculating/cooling line, from pressure side of fire pump to water tank top to be provided with: 3/8" female TIPT spud located at top front of water tank, high pressure tubing, and 3/8"



bronze body 1/4-turn ball style valve with chrome handle located on operator's control panel. Valve is to be identified as pump cooling line.

### PUMP DISCHARGE OUTLET CONTROLS AND ACTUATORS

All discharge valves shall have operating controls and actuators that allow the valve to be positioned incrementally from closed to full open, and locked in any selected position. Each valve control is to be adjacent to its respective pressure instrument.

Each of the specified 3" diameter or larger discharge valves are to have an operating mechanism which shall not permit changing the position of the flow regulating element of the valve from full close to full open, or vice versa, in less than 3 seconds.

#### DISCHARGE OUTLET BLEEDERS

Each of the following specified gated discharges shall be equipped with a "discharge outlet bleeder". The outlet bleeders shall consist of: 3/4" high pressure flexible hose assemblies extending between discharge valve and bleeder valve, 3/4" cast bronze or stainless steel bleeder valve mounted interior of pump compartment (inside rear compartment-for rear discharges), and an exterior bleeder valve control handle with color coded (to match corresponding discharge outlet) engraved or printed identification label. Bleeder controls for side discharges are to be located below the outlet, in a single row immediately above the runningboard/floor level. Bleeder controls for optionally specified rear discharges are to be located below the outlet, above the tailboard level. The bleeder valves shall be rotating quarter-turn style equipped with rectangular chrome plated control handles, which are horizontal when closed.

### HOSE THREADS

Where specified, all screw-on/off threads shall be NST (National Standard Threads), all "sexless" couplings shall be Storz.

### "ROUND TUBULAR" STAINLESS STEEL DISCHARGE MANIFOLD

A stainless steel "round tubular" or fire pump manufacturer's multiport discharge manifold shall be furnished, flange bolted or Victaulic clamped to and easily removable from, the fire pump's large diameter discharge outlet taps.

NOTE: Due to the likelihood of high pressure deformation (regardless of wall thickness), manifolds fabricated of square or rectangular tubing's, are not acceptable.



The tubular manifolds main waterway shall be commensurate in diameter, to adequately feed the quantity and size of auxiliary discharge line "branches". So as to provide unsurpassed flow characteristics, all auxiliary branch reducers shall be concentric bell reducers, and all couplings and risers shall be "coped" to conform to the radius of the larger sized feed waterway. All capped ends shall be spherical for high pressure applications. Flat-mount weld spuds and non-coped risers welded to rectangular fabrications and/or end plates are not acceptable.

All stainless steel welding shall be TIG, to assure proper penetration and conformity with original tubing and weld fittings outside diameters. All elbows shall be smooth sweep weld fittings. Mitered angle joints are not acceptable.

Under no conditions shall there be weld slag, misalignment of tubing sections, or projections into any tributaries of the manifold.

See following specifications describing the number/size/locations of outlet gate valves to be furnished.

Heavy wall threaded pipe and pipe fittings shall be used, wherever possible, downstream of the specified side outlet and top deluge discharge valves.

All flexible discharge lines and bleeder lines, downstream of respective valves, shall be reinforced high pressure hose assemblies with stainless steel or brass end fittings.

Pressure gauge tubing lines shall be clear polypropylene with brass fittings, manifold drain lines (that are not high pressure hose assemblies) shall be copper tubing.

All discharge manifolds and fittings, suction manifolds and fittings, discharge and suction valves, tubing's, and hoseline assemblies shall be pressure tested after installation.

#### REAR DISCHARGE(S)

### **REAR DRIVER SIDE 2-1/2" DISCHARGE**

One (1), rear (driver's side) 2-1/2" gated discharge to be provided with: 2-1/2" NST chrome plated brass rocker lug cap with chain, 2-1/2" NST male x 2-1/2" NST rocker lug swivel female 30 degree chrome plated brass elbow extension, 2-1/2" NST male chrome plated brass outlet adapter, 3/4" bleeder valve with exterior remote control, 2-1/2" i.d. stainless steel pipe or wire reinforced hose assembly with 2-1/2" stainless end fittings, 2-1/2" Akron 8000 series ball style 1/4-turn full flow bronze bodied self-locking discharge valve (located inside pump enclosure), and push-pull chrome "twist-to-lock" discharge control handle with recessed color coded nameplate located on the pump operator's control panel.



#### REAR DRIVER SIDE 2-1/2" DISCHARGE LOCATED ON CONTROL PANEL

The above specified rear driver's side 2-1/2" gated discharge is to be located on the recessed rear operators control panel, inboard of the optionally specified access door.

#### HOSE BED PRE-CONNECT DISCHARGE(S), SWIVELING UNDER-FLOOR OUTLET(S)

#### PASSENGER SIDE OUTBOARD HOSEBED, 2" DISCHARGE, 1-1/2" SWIVEL OUTLET

One (1), passenger side outboard hosebed pre-connect, 2" gated discharge to be provided with: 1-1/2" NST male x 2" female 90 degree bronze swivel "underside" discharge outlet (extending through slotted opening in the hosebed floor), bronze pre-connect hose line bleeder valve, 2" i.d. wire reinforced hose with 2" NPT and Victaulic stainless end fittings, 2" Akron 8000 series ball style 1/4-turn self-locking bronze bodied discharge valve with R-1 valve handle (located inside pump enclosure) configured for manual push-pull control located at the pump operator's control panel.

#### DRIVER SIDE OUTBOARD HOSEBED, 2" DISCHARGE, 1-1/2" SWIVEL OUTLET

One (1), driver side outboard hosebed pre-connect, 2" gated discharge to be provided with: 1-1/2" NST male x 2" female 90 degree bronze swivel "underside" discharge outlet (extending through slotted opening in the hosebed floor), bronze pre-connect hose line bleeder valve, 2" i.d. wire reinforced hose with 2" NPT and Victaulic stainless end fittings, 2" Akron 8000 series ball style 1/4-turn self-locking bronze bodied discharge valve with R-1 valve handle (located inside pump enclosure) configured for manual push-pull control located at the pump operator's control panel.

#### SELF-BLEEDING DISCHARGE CAPS, AND ELBOWS

Where specified, the rocker lug discharge caps and outlet elbow extensions are to be VLH, Class-1, Trident, or equivalent which incorporates a cross-machined thread design to automatically relieve stored pressure in the line during uncapping/unthreading.

#### FIRE PUMP COMPARTMENT

The fire pump location shall be at the rear of the apparatus, its features and accessories as follows:

#### 3D ENGINEERED REAR PUMP ENCLOSURE



The following specified "rear" fire pump enclosure (compartment) is to be "fully engineered" as an integral part of the compartmented apparatus body, with ALL structural fabrications, pump inlet/outlet panels, pump control panel, gauge/instrument panel, hose beds/trays, and fire pump mounting brackets are to be computer three-dimensional modeled and on-screen assembled. Each individual pump module component's part profile is to be traceable to a precision engineered digital drawing.

In addition to the part profile and fabrication details, the precision engineering is to include the mounting and fastener holes to allow the assembly of all related fire pump compartment components, including but not limited to:gauges and instrumentation, pump drain and bleeder controls, pump discharge and suction valve controls, handrail bracket and step mount holes, and all other accessories which are to be bolted to the pump module.

#### FOAM SYSTEM, DIRECT DISCHARGE

#### SINGLE AGENT FOAM SYSTEM

The following specified Direct Discharge Foam System shall be of the "single agent" type, with features and accessories as per the following:

#### CLASS - "A" FOAM CAPABLE DISCHARGE OUTLETS

The following individual discharge outlets are to be Class A foam capable:	
each, Passenger Side Discharge(s)	
1_ each, Rear Discharge(s)	
2_ each, Hose Bed Discharge(s)	
each, Rear Pre-Connect Discharge(s)	
each, Driver Side Discharge(s)	
each, Deluge Discharge	
each, Pre-Connect Discharge(s): Speed-Lays / Cross-Lays	
each, Hose Reel Discharge(s)	
each, Bumper Discharge(s)	



### PLACARDS, SINGLE AGENT FOAM SYSTEM

A foam system piping schematic placard, for "single agent" system, shall be furnished, located adjacent to the system's control console. A foam system rating placard shall also be furnished, for the particular model and brand, also located adjacent to the control console. Placards shall be provided by foam system manufacturer, chrome plated cast metal.

All foam capable discharge controls shall be identified, with colored engraved nameplates to read: FOAM

#### FOAMPRO 1600 SINGLE AGENT FOAM SYSTEM:

The apparatus shall be equipped with a "single agent" FoamPro Model 1600, electronic, fully automatic, variable speed, direct injection, discharge side foam proportioning system. The system shall be capable of handling Class A foam concentrates. The foam proportioning operation shall be based on direct measurement of water flows, and remain consistent within the specified flows and pressures. The system shall be equipped with a control module, suitable for installation on the pump panel.

Incorporated within the motor driver shall be a micro- processor that receives input from the flowmeter, while also monitoring foam concentrate pump output, comparing values to ensure that the operator preset proportional amount of foam concentrate is injected into the discharge side of the fire pump.

A paddle wheel type flowmeter shall be installed in the discharge line to the specified "foam capable" discharges.

The control module will enable the pump operator to:

- A. Activate the foam proportioning system.
- B. Select proportioning rates from 0.1% to 1.0%

A 12 volt electric motor driven, positive displacement plunger pump shall be provided. The pump capacity shall be 1.7 GPM at 200 psi with a maximum operating pressure up to 400 psi. The motor shall be controlled by a microprocessor (mounted at the base of the pump). It shall receive signals from the control module, and power the 1/3 hp electric motor in a variable speed duty cycle to ensure that the correct proportion of concentrate is injected into the water stream. concentrate preset by the pump operator is injected into the fire stream.



The motor driven foam pump system shall be mounted to a fabricated stainless steel platform, strategically located within the fire pump module, such that the pump is below the level of the foam cell.

A full flow check valve shall be provided in the discharge piping to prevent foam contamination of fire pump and water tank. A 5 psi opening pressure check valve shall be provided in the concentrate line.

Components of the completed proportioning system as described above shall include:

- a) Operator control module.
- b) Paddle wheel flowmeter.
- c) Pump and electric motor/motor driver.
- d) Wiring Harness.
- e) Low level tank switch.
- f) Foam injection check valve.
- g) Foam Strainer, in suction line, removable

An installation and operation manual shall be provided with the unit, along with a one-year limited warranty by the manufacturer.

### CLASS A MASTER FOAM MANIFOLD

A flanged bolt-on or Victaulic grooved stainless steel or cast iron pump discharge foam manifold shall be furnished, for use with the specified Class A direct discharge injection foam system. Discharge manifold shall include a 2-1/2" i.d. stainless steel dual plate spring loaded check valve, fitting tap for foam injection line, fitting tap for flow sensor, bottom fitting tap for the remote manifold drain valve, and multiple taps for use with discharge valves designated as foam lines. Discharge foam manifold shall be of adequate size/capacity to handle flows not exceeding 500 gallons per minute.

### FOAM MANIFOLD DRAIN

A 3/4" quarter-turn bronze drain valve, with chrome plated control handle and recessed name tag, shall be furnished, located on a side pump panel immediately above the runningboard/rub rail level. Manifold drain line shall extend from a bottom tap on the foam manifold, with positive "gravity-drain" to the panel mount drain valve, assuring complete drainage of the manifold downstream of its check valve and upstream of the foam capable discharge valves.

#### FOAM RESERVOIR, CLASS-A FOAM CONCENTRATE

Class-A foam cell to be furnished, located interior of specified non-metallic water tank, totally separate from



baffled water cavities. Refer to Water Tank for full description and capacity of the Class-A foam cell.

### REAR CENTERLINE PUMP ENCLOSURE, PASSENGER SIDE CONTROLS

A rear centerline pump compartment/cavity is to be furnished, between apparatus body sides. Pump compartment to provide full enclosure of the pump and its related plumbing and valves. The specified passenger side control panel, and driver rear side compartment back wall, shall form sides of pump compartment. The floor of hosebed shall provide top of pump enclosure, the rear body panel shall provide back enclosure, and the specified heat casing shall provide bottom enclosure.

Service and inspection to the rear mounted pump shall be through the specified removable side panel inserts, removable overhead panel insert (below hosebed floor), and removable rear body panel insert.

Access to the passenger's rear side pump controls shall be through the specified rear side roll-up door.

## REMOVABLE WALL & PUMP COMPARTMENT REAR PANEL INSERTS, PUMP ACCESS

The rear side compartment interior back wall (opposite the pump control panel) is to be furnished with a flush insert panel of maximum allowable size, removal of which provides access to the interior of pump compartment for pump service, inspection and repairs. Insert is to be of the same material as surrounding wall, flush mounted to the wall surface, and equipped with multiple flush mounted bright metal trigger latches.

The rear panel of the pump compartment is to be furnished with a flush insert panel of maximum allowable size to provide access to interior pump compartment mounted pump and accessories, including: suction and discharge valves and piping. The rear panel insert is to be made of same material as, and fitted-flush with the surrounding rear pump panel surface. Removable rear panel insert is to be held firmly in position with multiple flush mounted bright metal trigger latches.

Use of the specified trigger latches is to allow insert panel removal without the need for hand tools.

#### REAR PUMP CONTROL PANEL

#### REAR PUMP PASSENGER SIDE CONTROLS

The pump operator's control panel shall be located on passenger's side "rear" of vehicle. All pump discharge and suction controls are to be mounted on this right vehicle side pump operator's control panel, so as to permit operation of the pump from one central location. All side mechanical pump actuator rods, rotating and



push-pull, will be heavily cadmium plated solid cold roll steel, equipped with adjustable clevis joints or swivel ball joints and chrome plated brass or black phenolic control handles/knobs. All manual push-pull discharge controls shall be chrome plated, straight-pull, with twist-to-lock (see individual discharge outlet descriptions) hand grips.

The upper portion of the pump control panel shall accommodate the specified "opening" instrument panel, and lower portion shall accommodate the specified inlet/outlet/drain valve and pump controls. See following described removable pump panel access panel(s).

#### **IDENTIFICATION TAGS**

All discharge controls and outlets, suction controls and inlets, drain valve controls, bleeder valve controls, and all other pump related controls shall be properly identified with permanent engraved or cast nameplates describing function and operation of each control. Nameplates for discharge controls, discharge outlets, and respective pressure gauges will be color coded and indicate: numerical sequence, location of outlet, type of discharge, and size of hose to be used. The nameplates shall be recessed into the discharge control hand grips and discharge and suction drain and bleeder control handles.

Any specified air or electric toggle switch gated pump suction controls, with indicator lights, shall be grouped together on pump control console, for ease of identification, equipped with permanently engraved nameplates recessed into a single piece polished stainless steel surround bezel.

## PRESSURE GAUGES/INSTRUMENTS ALIGNED WITH DISCHARGE CONTROLS

The specified pump panel mounted discharge controls are to be located adjacent to or immediately below and in line with corresponding individual discharge pressure gauge. The pump operator's control panel is to be configured in an organized manner, "user-friendly", side-to-side across the entire panel.

### ENCLOSED REAR PASSENGER'S SIDE PUMP CONTROL PANEL

The pump operator's control panel shall be located on passenger's rear side of vehicle (behind rear wheels), back side of the specified rear side compartment door. Pump control panel shall be fabricated of or overlaid with #4 brushed-polished stainless steel, providing a scuff resistant non-painted corrosion free surface.

All pump discharge and suction controls are to be mounted on this side pump operator's control panel, so as to permit operation of the pump from one central location. All side mechanical pump control rods, rotating and push-pull, shall be heavily cadmium plated solid cold roll steel, equipped with adjustable clevis joints or swivel ball joints and chrome plated brass or black phenolic control handles/knobs. All discharge controls and outlets, suction controls and inlets, drain valve controls, bleeder valve controls, and all other pump related controls shall be properly identified with permanent engraved or cast nameplates describing function



and operation of each control. Nameplates for discharge controls, discharge outlets, and respective pressure gauges shall be color coded and indicate: numerical sequence, location of outlet, type of discharge, and size of hose to be used.

The specified air toggle switch controls with indicator lights shall be grouped together on pump control console, equipped with permanently engraved nameplates recessed into a single piece polished stainless steel surround bezel.

#### REAR CENTERLINE PUMP PANEL ENCLOSURE

The rear of the apparatus body, back of the pump compartment, shall be equipped with a single apparatus body side compartment matching bar-latch style satin anodized aluminum roll-up door, spanning the full width between inboard rear body corners. Rollup door shall close against a sweep-out floor riser, located immediately ahead of the tailboard.

The rear panel of pump enclosure shall be spaced away from the roll-up door, such that the specified "stacked" discharge and suction adapters do not interfere with door's closure.

Access to the specified passenger's rear side pump controls shall be through the specified rear side compartment roll-up door.

#### PUMP ENCLOSURE WIRING HARNESSES

All pump compartment (Pump Cavity) wiring for specified 12-volt electrical equipment is to be suitably protected inside heat resistant vinyl, forming one or more wiring harness(es). Harnesses are to originate at a dedicated Pump Cavity PDC (power distribution center) located within the rear pump enclosure, extend to the individual electrical devices, and secured with loom clips. Harness individual wires are to be legend imprinted multi-stranded copper, SAE-J 1128 automotive compliant. Spare wires are to be provided, so as to allow for future installations of additional electrical accessories.

All 12-volt switches, relays, terminals, connectors, and wiring to have a direct current rating of 125% of maximum current for which the current is protected. All wiring terminals to be closed barrel style, mechanically crimped, and insulated

### PUMP MODE TRANSMISSION LOCK-UP

Vehicle electronic automatic transmission to be "signaled" by shifting of the fire pump into pump gear, so as to activate transmission "Lock-Up" mode (direct drive). An automatic transmission shift selector position detent or transparent removable shield is to be provided to prevent unintentional movement of the shift



selector during pumping operations.

### PUMP CAVITY POWER DISTRIBUTION CENTER

A fabricated metal power distribution center (PDC) is to be provided, located interior of the rear pump cavity/enclosure, accessible from an access door or removable panel. PDC is to contain engineered electrical components and pin/socket bulkhead connectors. Multiple circuit breaker sockets shall be furnished for future use.

### PUMP CAVITY WIRING SCHEMATICS

Vehicle Specific wiring information is to be provided for this particular apparatus "as configured" upon completed delivery of the same. Information is to be in a drawing format, describing origination and termination connections and functions.

### **DEACTIVATE ENGINE COMPRESSION BRAKE - WITH PUMP SHIFT**

Specified engine compression brake shall be automatically deactivated with the shifting of the pump transmission into "Pump Gear".

#### PUMP COMPARTMENT LIGHT, LED

One (1), clear lens 4" round grommet mount 12-volt LED interior pump compartment light to be furnished, mounted beneath the ceiling of interior pump module. Light to be activated by an adjacent switch.

#### PUMP GAUGE PANEL

### PUMP CONTROL GAUGE & INSTRUMENT PANEL, HINGED

The specified pump pressure gauges and engine monitors/instruments shall be installed on a brushed stainless steel hinged gauge panel, located above the passenger rear side pump controls. The gauge/instrument panel is to be equipped with a polished stainless steel piano hinge and two adjustable-grip chrome plated lift-and-turn latches. Gauge panel to be hinged, to allow access to back of gauges and interior fire pump compartment.

### PUMP MODULE EXTERIOR LIGHTING

All optionally specified light fixtures and/or strips are to be 12-volt, LED style, recessed, shielded, or guarded to protect the lenses. Where optionally specified pump mopdule steps are provided, at least one (1)



dedicated LED light is to be provided, illuminating step surface. Such light(s) to activated by pump panel light switch or illumination of ground lights.

#### PUMP OPERATOR'S INSTRUMENTS AND GAUGES

#### **ENGINE INSTRUMENTATION**

The engine instrumentation is to be included in the specified fire pump pressure control system "engine governor". Instrumentation shall be integral with the Governor Control.

#### COLOR CODED DISCHARGE NAMEPLATES: NOMENCLATURE

Discharge name plates and/or control diagrams are to be permanently engraved into colored media or encapsulated color coded printing, as specified below. Name plate colors are to match the designated color of the individual outlets and pressure instruments.

Suction name plates are to be of the same single color, contrasting to the discharge colors

The name plate's nomenclature is to identify: physical location, size of hose to be attached, and type of discharge. Example: REAR PASSENGER SIDE 2-1/2" PRECONNNECT DISCHARGE

Color matching name plates are to be provided for: Discharge Outlet (or Hosebed Pre-Connect), Discharge Control, Discharge Pressure Instrument, and the Discharge Bleeder Control.

Apparatus locations are to be identified as: FRONT (forward facing), PASSENGER SIDE (curb side facing), REAR (rearward facing), and DRIVER SIDE (street side facing).

On sides of apparatus, left-to-right locations are to be identified as FORWARD and REARWARD.

At rear of apparatus, locations are to be identified as INBOARD, OUTBOARD, OR CENTER.

NOTE: The terms LEFT and RIGHT are not to be utilized, unless specifically instructed to do so by customer.

#### FOAM CAPABLE DISCHARGES: IDENTIFICATION

All of the specified "Foam Capable" discharges shall have red graphical identification tags or their nametags and/or data plates marked: **FOAM**, in addition to the other discharge nomenclature.



### **MASTER GAUGES, VACUUM & PRESSURE**

#### **NO-SHOK LIQUID FILLED GAUGES**

Master pump intake and pump discharge pressure indicating devices shall be located within 8" of each other, edge to edge, with the intake (suction) pressure indicating device to the left of the pump discharge pressure indicating device.

A 4" diameter NoShok compound style pressure gauge to be furnished, registering 0 x 600 psi, "enhanced" black numerals on white background. Gauge needle shall have a "bright orange" tip for improved visibility. Gauge to be piped to discharge volute of fire pump, equipped with a black permanently engraved identification nameplate installed below the gauge, to read: "DISCHARGE."

A 4" diameter NoShok compound style pressure gauge to be furnished, registering -30 x 400 psi,"enhanced" black numerals on white background. Gauge needle shall have a "bright orange" tip for improved visibility. Gauge to be piped to suction volute of fire pump, equipped with a black permanently engraved identification nameplate installed below the gauge, to read: "SUCTION."

### **TEST GAUGE PANEL**

A test plug assembly to be furnished, installed on specified gauge panel adjacent to respective pump suction and pump discharge gauge. Test plugs to be piped to pump suction cavity and discharge cavity using high pressure clear nylon tubing with brass fittings.

### INDIVIDUAL DISCHARGE GAUGES, 2-1/2" DIAMETER

Three (3), 2-1/2" diameter NoShok compound style discharge pressure gauges to be furnished, registering 0 x 400 psi, "enhanced" black numerals on white background. Gauge needle shall have a "bright orange" tip for improved visibility. Gauges to be located in a uniform manner no more than 6" from its respective discharge valve control.

Each gauge and respective discharge valve control to be equipped with color coded permanently engraved identification nameplate to describe numerical sequence, location, type and size of outlet.

All above specified pressure gauges to be analog style, liquid filled, vibration dampened, and capable of operations to -40 degrees F. Master gauges and individual discharge pressure gauges shall have a 7 year warranty.



The specified engine monitors, pump suction and discharge gauges, and individual gated discharge pressure gauges shall be installed on the specified gauge panel.

Pressure gauges to be piped to the individual discharge valves and pump suction and discharge volutes using high pressure clear nylon tubing with brass fittings.

#### THE INDIVIDUAL DISCHARGE PRESSURE GAUGES ARE TO BE ASSIGNED TO:

1 each, Rear 2-1/2" Discharge

2 each, Pre-Connect Hose Bed 2" (1-1/2" NST) Discharges

#### CAST METAL PRESSURE GAUGE SURROUND BEZELS

The specified individual pump discharge, pump intake, and individual discharge pressure gauges shall be encased/surrounded by chrome or polished trim bezels. Color coded placards/name tags are to be recessed into the gauge trim bezels.

#### TANK LEVEL INDICATOR(S)

#### WATER LEVEL INDICATOR - TANK VISION

One (1), FRC, "Tankvision" WLA200-A00 water tank level indicator to be furnished with: weatherproof encapsulated high intensity LED light indicator, tank level sending unit, and protected wiring loom. Water tank level indicator to be mounted on pump control panel. Tank level sensing unit to be located front of specified water tank to properly sense water capacity.

#### FOAM LEVEL - INDICATOR - TANKVISION, FOR CLASS-A FOAM

One (1), FRC, "Tankvision" foam tank level indicator to be furnished with: weatherproof encapsulated high intensity LED light indicator, 30-ft sensor cable extension for foam tank level indicator, tank level sensing probe, and protected wiring loom. Foam tank level indicator to be mounted on pump control panel. Tank level sensing probe to be located in front of specified foam tank.

#### POLYPROPYLENE WATER TANK -- LIFETIME WARRANTED - 300 WATER/15 FOAM



The apparatus shall be equipped with a polypropylene thermoplastic water tank, with isolated foam cell. The water tank's capacity is to be 300 US gallons, and the foam cell's capacity is to be 15 US gallons.

The tank body and end bulkheads shall be constructed of 1/2" thick, polypropylene, nitrogen-welded and tested inside and out. Tank construction shall conform to NFPA standards.

The transverse and longitudinal 3/8" thick swash partitions shall be interlocked and welded to each other as well as to the walls of the tank. The partitions shall be designed and equipped with vent holes to permit air and liquid movement between compartments.

The 1/2" thick cover shall be recessed 3/8" from the top of the side walls. Hold down dowels shall extend through and be welded to both the covers and the transverse partitions, providing rigidity during fast fill operations. Drilled and tapped holes for lifting eyes shall be provided in the top area of the water tank.

The bottom of the tank shall be secured within the specified rubber lined "full perimeter cradle", design to be in accordance with the tank manufacturer's requirements.

The water fill tower shall be designed, sized and located as required by the needs of the tank. The 1/2" thick polypropylene fill and overflow tower shall be equipped with a hinged lid and a removable polypropylene screen.

An overflow tube shall be installed within the fill tower and internally piped with large diameter schedule 40 PVC pipe through the tank, exiting behind the vehicle's rear axle.

The water tank sump shall be a minimum of 10" x 10" x 3" deep and located on the bottom on the bottom of the booster tank. There shall be a 4" i.d. schedule 40 polypropylene tank suction pipe from the entrance of the tank (adjacent to and inline with fire pump) to the tank sump. The tank drain and clean out shall be 3" NPT schedule 80 female flange with plug, located in the bottom of the tank sump.

#### FOAM CELL

One (1), 15-gallon foam cell shall be furnished as a component of specified water tank. The foam cell shall include a vertical fill stack with lift-up cover and latch assembly. The foam cell shall have a pressure/vacuum vent installed. Threaded female ports shall be furnished in the lower and bottom wall of the foam cell, for use with the foam concentrate liquid line and low level sensor.

#### WARRANTY

The booster tank shall have a lifetime warranty as provided by the tank manufacturer.



#### TANK SUPPORT STRUCTURE

The specified tank shall be nested into a full perimeter mounting "picture frame" style support structure consisting of 2" x 2" x 1/4" thick 304 grade stainless steel angle. The front of tank shall be equipped with a full width 1/4" thick front base plate. All stainless cradles are to be wire-feed welded to the specified stainless steel apparatus body sub frame transverse tubings.

Structure shall be tank-specific, and shall provide support in the areas and locations specified by the tank manufacturer.

All mating areas between tank and structure shall be lined with 60 DURO rubber cushion material, 1/2" thick on horizontal and front surfaces and 1/4" thick on sides and back vertical surfaces.

Structure shall be mounted to chassis frame rail side walls by hardened carriage bolts. The use of threaded rod plates or U-bolts will not be considered adequate.

#### TANK CRADLE STRUCTURE WARRANTY

The tank cradle is to have a **lifetime warranty**, both structurally and corrosion-free, as provided by body builder

#### RECTANGULAR SHAPE TANK

The specified water tank is to be of a conventional rectangular shape, located beneath the main hose bed, rearward of the front body transverse cross-panel.

#### FOAM TANK DESIGN STANDARDS

The non-corrosive foam tank is to meet (or in the case of multiple tanks, Tanks are to meet) applicable sections of NFPA standards.

The foam concentrate tank is to be provided with sufficient wash partitions so that the maximum dimension perpendicular to the plane of any partition shall not exceed 36 inches. The swash partition(s) are to extend from wall to wall and cover at least 75 percent of the area of the plane of the partition.

The foam concentrate tank is to be provided with a fill tower or expansion compartment having a minimum area of 12 square inches and having a volume of not less than 2 percent of the total tank volume. The fill



tower opening is to be protected by a completely sealed air-tight cover. The cover is to be attached to the fill tower by mechanical means. The fill opening is to be designed to incorporate a 1/4 inch removable screen and shall be located so that foam concentrate from a five (5) gallon container can be dumped directly to the bottom of the tank to minimize aeration without the use of funnels or other special devices.

The foam tank fill tower is to be equipped with a pressure/vacuum vent that enables the tank to compensate for changes in pressure or vacuum when filling or withdrawing foam concentrate from the tank. The pressure/vacuum vent must not allow atmospheric air to enter the foam tank except during operation or to compensate for thermal fluctuations. The vent is to be protected to prevent foam concentrate from escaping or directly contacting the vent at any time. The vent is to be of sufficient size to prevent tank damage during filling or foam withdrawal.

A color coded label or visible permanent marking that reads "FOAM TANK FILL" is to be placed at or near any foam concentrate tank fills opening.

An additional label is to be placed at or near any foam concentrate tank fill opening that specifies the type of foam concentrate the system is designed to use. Any restrictions on the types of foam concentrate that can be used with the system are also be stated, and a warning message that reads "WARNING: DO NOT MIX BRANDS AND TYPES OF FOAM."

The foam concentrate tank outlet connection is to be designed and located to prevent aeration of the foam concentrate and shall allow withdrawal of 80 percent of the foam concentrate tank storage capacity under all operating conditions with the vehicle level.

#### FOAM RESERVOIR DRAIN

One (1) foam reservoir drain is to be furnished, each consisting of a 1/4-turn ball style bronze or stainless steel 3/4" i.d. valve, stainless steel piping, and threaded spud in reservoir. Reservoir drain is to be located in the pump module, and is to drain liquid concentrate to below the chassis frame.

#### OVERHEAD HOSE BODY: ABOVE WATER TANK, WITH FORWARD DUNNAGE

The upper level centerline of hose body is to include a forward dunnage area, and a rearward hose bed area.

#### **OPEN-TOP DUNNAGE AREA**

A forward hose body transverse divider panel is to be provided, fabricated with perimeter flanges, and bolted in position (so as to be removable) immediately to the rear of the water tank fill stack. Transverse divider panel is to form the forward wall of the main hosebed area, and provide a mounting surface for optionally specified adjustable hose bed divider tracks.



Location of the transverse divider panel is to provide for an "open-top" dunnage area, ahead of the main hose bed, overhead the water tank, rearward of the midship pump module.

Dunnage floor gratings are to be provided, same material and construction as is specified for the hose bed, notched to custom fit around the specified tank fill stack(s).

#### HOSE BED: ALUMINUM GRATINGS

The apparatus main hose bed area is to be located to the rear of the transverse hose body divider panel, between passenger's and driver's inboard apparatus body sides.

Multiple double-break flange reinforced tank retainer/hose load support beams are to be provided, spanning between and bolted to the inboard apparatus body sides. Beams are to be constructed of body matching material, profile is to be of minimum height to maximize hose bed depth, and the beams are to be positioned no more than twenty (20) inches apart.

Extruded aluminum slatted hose bed floor gratings are to be furnished, running longitudinally the full length of the hosebed. Longitudinal grating slats are to be fastened to underside perpendicular cross-slats which extend the full width of the hose bed cavity. The hose bed floor gratings are to be assembled with bolts (not welded), so as to allow for future modifications and repairs to the grating assembly. Longitudinal gratings are to be single piece full length extrusions, spaced at least 1/2" apart to allow for hose ventilation. Cross-slats are to be positioned to rest on the top surface of the specified overhead tank retainer/ hose load support beams.

### STAINLESS STEEL ADJUSTABLE HOSEBED DIVIDER TRACKS

Channel fabricated stainless steel hosebed divider horizontal slide tracks are to be furnished, transverse at the rear of hosebed, designed so as to retain the floor gratings and prevent snagging of hose or couplings during deployment and re-loading operations.

In addition to the rear transverse hosebed divider slide track, two (2) parallel transverse stainless steel horizontal channel tracks shall be furnished, bolted to/removable from the specified forward cross divider. Forward and rear horizontal channel tracks are to be provided with sliding friction clamps and threaded studs with acorn nuts, allowing infinite side-to-side adjustment of hosebed divider location.

#### HOSEBED DIVIDERS, 1/4" PLATE ALUMINUM

Two (2) each, full length full depth infinitely adjustable hosebed dividers shall be furnished, each fabricated of .250" unpainted machine sanded or abraded smooth aluminum with vertical front and bottom reinforcing



extrusion. The top rear corner of the divider panel shall have a 3" radius, to prevent damage to tarps and restraints. All horizontal, vertical, and rear radius metal edges are to be DA sanded smooth to prevent personnel injury and hose damage.

### VINYL HOSE BED COVER

A vinyl coated nylon hose bed cover/tarp to be furnished over main hose body area.

Hose bed cover material shall be black in color.

Front of hose bed shall be fastened to apparatus body by full width awning rail and beaded seam sewn into leading edge of hose bed cover.

Cover shall be removable by sliding front of hose bed cover laterally out of awning rail.

Sides of hose bed cover shall be fastened to apparatus body by VelCro along outboard edges of hose bed cover and hose body sides.

Rear of hose bed shall be restrained by upper retaining pins, chain-weighted seam and stretch cords provided at the rear and on end flap.

#### NO RIDE PLACARD

A WARNING label is to be located on the vehicle at the rear step area that is to caution personnel that riding on these areas while the vehicle is in motion is prohibited. Label is to be permanently encased in a chrome full surround bezel.

#### TAILBOARD, EMBOSSED 3/16" ALUMINUM TREADPLATE

A full body width rear step/tailboard shall be furnished, constructed of .187" polished 4-way aluminum treadplate material, with an NFPA approved (as slip-resistant) "embossed" tread top surface.

Tailboard shall be a single piece fabrication, with perimeter fabricated flanges, side and rear same width as the body rubrails, and outboard rear corners "beveled" 45-degrees. The beveled corner flanges and the rear flange of tailboard shall be double-broke, and have a total of five (5) diamond shape cut-outs, exposing the under flange mounted rear corner marker lights and rear center marker light cluster. Tailboard shall be spaced 1/2" away from the rear face of body, for drainage, bolted in position and easily replaceable in the event of damage. Underside of aluminum treadplate tailboard is to be lined with a dielectric barrier tape, separating the aluminum from the dissimilar metal underbody subframe structure.



Per NFPA: Steps, platforms, or secure ladders shall be provided so that firefighters have access to all working and storage areas of the apparatus. The maximum stepping height from ground to first step shall not exceed 24". Additional steps cannot be more than 18" apart. All steps, platforms, or ladders shall sustain a minimum static load of 500 lbs. without permanent deformation and shall have skid resistant surfaces. Any step shall have a minimum area of 35 sq. in. Platform shall have a minimum depth of 8".

#### TAILBOARD DEPTH

The above specified 101" wide rear step/tailboard shall be eight (8)" deep (front-to-rear flange), across the entire width of the tailboard.

#### REAR TOW EYES, EXPOSED AT REAR OF BODY

Two (2) rear painted "tow" eyes shall be located at the rear of the apparatus and shall be permanently mounted directly to the chassis frame rails. A chassis frame cross member or spreader bar is to be provided, located between the tow eyes. The inner and outer edges of the tow eyes shall be radiused, eyes to be 3" in diameter.

#### COMPARTMENTED BODY CONSTRUCTION MATERIALS & FABRICATION:

### **FABRICATION MATERIALS:**

Forming of the individual fabrications shall be by a computer controlled press brake, with minimum radius precision tooling. The apparatus body compartments, including floors and walls, are to be fabricated of minimum .125" type 5052-H32 smooth sheet aluminum, with tensile strength of 38,000 psi and a yield strength of 31,000 psi..

Where specified, custom fitted U-formed hinged compartment door outboard panels are to be fabricated of .125" smooth sheet aluminum, and removable inner door panels are to be 3003 aluminum treadplate.

Other specified interior compartment shelving, trays, and shelving tracks shall be fabricated of smooth aluminum, of designated thickness, and shall have a machine sanded finish.

The specified 4-way treadplate apparatus body components shall be type 3003 "Brite" aluminum C-102 or equal pattern treadplate, NFPA approved no-slip diamond on step and walk surfaces.

#### PRECISION MACHINING AND FABRICATION

All individual apparatus body fabricated components are to be: computer designed for repeatable tolerances, precision computer control machine for superior cut edge quality, and computer control machine fabricated for assembled parts accuracy.



#### **FASTENERS:**

All apparatus body screw type fasteners shall be stainless steel "low profile" button socket head cap screws with stainless steel hex "Ny-Lok" threaded nuts designed to prevent loosening. Size of fasteners, 1/4" minimum, and their spacing must provide for maximum structural integrity and no leakage in flanged areas between fasteners. Any necessary exterior exposed nut fasteners shall be polished stainless steel or chrome plated "acorn" covering fastener threads. NOTE: Hex head, truss head, Phillips pan head, or other large profile style fasteners shall not be used for assembly of fabricated sheet metal components. Additionally, there are to be NO 3/16" fasteners of any style used for structural applications.

### WHEELWELL BODY PANEL AND OVERHEAD DOOR JAMB FABRICATIONS:

The specified "removable" wheelwell outboard panels (with radius wheel cut-outs), and overhead vertical door jambs are to be fabricated out of 12ga stainless steel material.

#### **CONSTRUCTION METHODS:**

All individual fabricated body components are to be assembled with removable fasteners for ease of modifications and repairs. Exterior compartment and hose body fabrications must be free of all projections which might injure personnel or fire hose. NOTE: Where "nibbled" or other non-continuous non-smooth cutting methods are used to machine the body material, all edges must be reworked/filed for injury prevention and improved appearance.

The described construction methods are to insure easy disassembly of the apparatus body in the event of damage or need for future modifications. Apparatus designs or construction methods which do not allow for disassembly and removal of major fabricated components are not to be considered "equal" to this construction method.

Specified upper level side compartments shall have fabricated vertical door jambs located above wheelwell enclosure, separating forward/upper level wheelwell/rear compartment areas. Door jambs are to be bolted to sweep-out threshold portion of upper level compartment opening and to the underside of overhead compartment roof fabrication, easily removable so as to allow future modifications to door opening size.

For maximum cubic footage of compartments, the lower portion of the interior forward side compartments shall be recessed into within 4-inches of the chassis frame rail depth, both driver's side and passenger's side of the apparatus body. Recessed areas to be full width of interior compartment, at least 30" high, occupying entire underbody area beneath the outboard portion of the water tank.



#### **REAR BODY CORNER STYLE:**

The rear driver side and passenger side body corners shall be "square" outboard fabrications, with full height integral side door jamb. The rear facing vertical back surface of body corners shall allow for mounting of rear DOT and emergency lighting, handrails, multiple steps, and optionally specified accessories.

#### FRONT BODY CORNER:

The front body corners shall have full height vertical front surfaces, and integral forward compartment door jambs.

### **SWEEP OUT COMPARTMENT FLOORS:**

Driver's side, passenger's side, and rear compartments shall be equipped with "sweep/wash-out" floors, which are raised at least 1" above the compartment door opening threshold and exterior rub rail. All runningboard/tailboard level side compartment door thresholds shall extend outboard, below the compartment doors, with a minimum 3" flange-down (flush with body sides) and 1" return-in, providing structure for mounting of the specified rub rail material. Door thresholds shall be bolted to and removable from the interior raised compartment floors.

Upper level compartment floors, located above rear wheel well housings, are to be "sweep/wash-out" design, fabricated of body material matching smooth sheet material. Upper level compartment door bottom threshold shall be integral with the rear wheel well outer panel, positioned at least 1" below the interior compartment floor surface, and lined with mirror finish stainless steel for doorway protection.

#### FRONT COMPARTMENT CORNERS, SQUARE SHAPE

The driver side and passenger side front body corners are to have a 90-degree "square" shape. Each corner is to be a single piece full height fabrication, with integral inboard body mating flange (allowing for removal), and outboard vertical door jamb.

#### FRONT BODY CORNER OVERLAYS, POLISHED 4-WAY ALUMINUM TREADPLATE

The vertical front body corners, full height and width, are to be plated (overlaid) with polished 4-Way aluminum treadplate, providing a scuff resistant surface.

#### REMOVABLE INTERIOR COMPARTMENT BULKHEADS



The passenger's side and the driver's side front and rear interior compartment corners are to include vertical full height/full depth bulkheads (wiring harness covers) which are bolted in position and easily removable. Interior compartment corner bulkheads are to be constructed of machine swirled natural finish sheet aluminum, designed to provide a rigid mounting surface for optionally specified adjustable shelf tracks.

Front driver side interior corner bulkhead shall be "cut-out" and equipped with a large removable insert for unobstructed access to the specified 12-volt power distribution center. The removable insert shall be matching smooth aluminum, and equipped with four (4) flush trigger latches to allow quick removal without the need for tools. The removable insert shall be flush with the surrounding bulkhead material, to facilitate installation of the specified vertical shelf tracks. Where shelf tracks are specified, they are to be sectional attached to, and removable with the insert.

## REMOVABLE ACCESS PANEL: TO ELECTRICAL DISTRIBUTION CENTER

Front driver side interior corner bulkhead is to be "cut-out" and equipped with a large removable insert for unobstructed access to the specified 12-volt power distribution center. The removable insert is to be matching smooth aluminum, flush with the surrounding bulkhead material, to facilitate installation of the optionally specified bolt-on vertical shelf tracks.

## **CONSTRUCTION FEATURES:**

During assembly all areas where metal mates or abuts shall be properly caulked with G.E. or equal silicone body sealant to prevent moisture penetration.

Where compartment wall/bulkhead mounted vertical slotted adjustable shelf track assemblies are specified, the tracks are to be bolted in place and easily removable. NOTE: Weld-on shelving tracks do not meet the intent of this requirement.

Wheelwell trim is to be furnished as specified below, bolted in position and easily replaceable, surrounding driver's side and passenger's side rear body "radius" wheelwell cut-outs.

#### ALUMINUM TREADPLATE ROOF OVERLAYS

Driver's and passenger's side compartment roof tops shall be lined/plated with designated material, flanged down on front, rear, and full length outboard side, to meet the compartment top door openings. Liners shall extend the full length and the full width of compartment roof tops. Outboard full length flange shall "bend out" at bottom to form drip cap above compartment door tops. Flange mating corners of roof top liners shall have "TIG" welded closures. Where aluminum treadplate liners are specified, they shall be underside coated with a spray on rubberized "barrier" coating, prior to final bolt-on installation. NOTE: The treadplate liners



are not to be considered a structural portion of the apparatus body, bottom sides of which are not to be visible from within the compartment's interior.

#### REAR BODY RAISED UNDERCARRAIGE "UP-SLOPE" INCREASED DEPARTURE ANGLE

The rear underside of the apparatus body, starting at the rearward wall of the rear wheel well housing, is to slope upwards allowing for at least a eighteen (18) degree rear departure angle. The specified cantilevered rear tubular body sub frame, and the interior floor level off the driver and passenger rear side compartments are to be approximately 6-inches higher than the rub rail level of the mid-section body (ahead of the rear wheel housing). A likewise elevation of the bottom of rear side compartment doors is to take place. NOTE: Where the side compartment doors are hinged style, the exterior door handle is to remain at the same level as the forward side compartment door hardware.

For improved appearance underside the rear side compartment floors, an aluminum treadplate rocker panel is to be provided, its forward bottom profile at the same level as the bottom of mid-section body rub rails, and rearward bottom profile inline with the rear rubrail/bumper.

Underside Scuff Panel Beneath UP-SLOPE (Belly Pan) - NONE DESIGNATED

#### REAR BUMPER/TAILBOARD HITCH RECEIVER & 7-WIRE RECEPTACLE

A Class-3 tubular hitch receiver assembly shall be furnished, located centerline underside of the rear bumper/tailboard. The tubular apparatus body sub-frame shall be designed and reinforced to provide support for the trailer receiver. The trailer receiver shall be "straight-line" pull rated for up to 6000 lb. with a vertical-tongue load capacity of 1500-lb. Hitch shall be provided with loops, on each side, for trailer tongue safety chain.

#### TRAILER BRAKE AND LIGHTING RECEPTACLE

A weatherproof 7-position, pin style, trailer connector shall be furnished, adjacent to hitch, wired to chassis ground, brake-stop, tail, and turn circuits (with receptacle accommodations <u>only</u> to allow for future installation of additional circuits or a trailer brake control).

#### STAINLESS STEEL SUBFRAME:

An Apparatus Body Sub-Frame is to be furnished, completely independent of the assembled apparatus body



and its compartments. Body sub-frame will be bolted to and easily removable from the chassis frame rails and from the compartmented body module. The apparatus sub-frame, including the specified forward cross channel with torsion suspension, and rigid rear cantilevered platform, will be constructed of a combination of rectangular heavy wall 304 stainless steel tubing and 304 stainless steel plate. Sub-frame design will provide a structural "framework" to which the apparatus body and compartments bolt, allowing for any individual fabricated component or subassembly of the apparatus module to be disassembled and removed from the sub-frame.

The mating surfaces (body to sub-frame) will be fully lined with barrier tape so as to properly isolate any dissimilar metals.

#### FORWARD SUB-FRAME

A forward sub-frame "cross channel" will be furnished, with upper level horizontal transverse cross-members supporting the optionally specified water tank. Sub-frame vertical profile is to allow for maximum interior depth of recessed compartments, and its horizontal profile is to allow for minimum tank floor height above the chassis frame rails. Bolt-through rubber cushion "vibration and torsion isolators" shall be provided, at least four (4) each, two (2) per chassis frame side, securing the body sub-frame to the side web of chassis frame rails. The bolt-through isolators shall allow twisting-moment of the chassis frame rails, independent of and not constrained by the apparatus sub-frame.

### **REAR SUB-FRAME & TOW EYES**

A rear "cantilevered" under body and tailboard sub-frame platform will be furnished, with tubular members welded to 5/16" steel glove plates, which also extend the chassis frame rails. The glove plate frame extensions are to be bolted to the side web of rear chassis frame rails. A heavy tubular cross member shall span between the glove plates so as to provide maximum platform stability.

#### SUB-FRAME MOUNTING PROCEDURE

All apparatus sub-frame components will be attached to the chassis frame using hardened steel locking thread nut & bolt fasteners, with bolt holes precision machined through chassis frame side webs. Body sub-frame horizontal supports will be positioned parallel/level with chassis frame rails, lowered so as to provide approximately 20" (with vehicle fully loaded) from the ground to top of apparatus body rub rails, runningboards, and rear tailboard/bumper.

Please refer to the provided apparatus drawing for further description and depiction of the sub-frame.

NOTE: Apparatus body sub-frames which are fastened to the chassis frame rails with U-bolts, sandwich clamps, or other temporary fastening methods, AND/OR body sub-frames that are permanently welded to the body fabrications or extrusions are not considered "equal" to these above construction methods.



#### FILTERED COMPARTMENT VENTING

A minimum of five (5) each, waterproof filtered compartment vents are to be provided, consisting of: multiple vented pass-through openings to the body under side. Three (3) vents are to be provided on driver side, and two (2) vents on passenger side. Vented openings are to be covered with 3M water resistant mesh filter media and an interior compartment metal grille. Grille is to be attached to the interior compartment wall with reusable stainless steel screw fasteners with nylon threaded inserts, allowing for removal and cleaning of the filter media from inside of each vented compartment. Vent opening, mesh filter media, and removable grille design is to allow for dust and moisture free ventilation of the compartment interiors, without reduction of the interior compartment depth.

#### APPARATUS BODY SIDE COMPARTMENT CONFIGURATION:

A precision machined and fabricated fire apparatus compartmented body is to be furnished, designed to be located immediately rearward of the specified chassis cab and/or crew cab, totally separate of same. The compartmented body is to be mounted to, supported by, and removable from the specified under body structural sub-frame.

The body configuration is to include fully enclosed and weather sealed compartmentation on the driver side and the passenger's side of vehicle. In order to provide for maximum depth compartmentation, the wheel well housings are to completely enclose the rear axle suspension components, allowing for the lower portions of the side compartments to extend inboard to the chassis frame depth. Additionally, the apparatus body overall side-to-side width (inboard of body rub rails and fender moldings) is to be 100".

Passenger's side compartments are to be provided: one (1) each full-height ahead of, one (1) each upper level above and one (1) each full-height behind rear wheel well housing.

Rear of apparatus body shall accommodate the specified fire pump system, located between the back walls of the rear side compartments.

Driver's side compartments are to be provided: one (1) each full-height ahead of, one (1) each upper level above and one (1) each full-height behind rear wheel well housing.

The hose bed area is to be located between upper level body side/compartment back walls.



### COMPARTMENTATION, THREE (3) EACH: DRIVER SIDE

D1: The driver's front side compartment segment (ahead of wheel well) shall be 56" interior width x 69" interior height x 23" interior depth (full height of compartment). Compartment segment to be fully enclosed and weather sealed, equipped with one (1) roll-up compartment door, size of 56" wide x 60" high, (clear opening size of 53" wide x 56" high).

D2: The driver's side over-the-wheels upper level compartment segment shall be 46" interior width x 41" interior height x 23" interior depth (full height of compartment). Compartment to be fully enclosed and weather sealed, equipped with one (1) roll-up compartment door, size of 40" wide x 33" high, (clear opening size of 37" wide x 29" high).

D3: The driver's rear side compartment segment shall be 40" interior width x 63" interior height x 23" interior depth (full height of compartment). Compartment segment to be fully enclosed and weather sealed, equipped with one (1) roll-up compartment door, size of 40" wide x 54" high, (clear opening size of 37" wide x 50" high).

#### COMPARTMENTATION, THREE (3) EACH: PASSENGER SIDE

P1: The passenger's front side compartment segment (ahead of wheel well) shall be 56" interior width x 69" interior height x 23" interior depth (full height of compartment). Compartment segment to be fully enclosed and weather sealed, equipped with one (1) roll-up compartment door, size of 56" wide x 60" high, (clear opening size of 53" wide x 56" high).

P2: The passenger's side over-the-wheels upper level compartment segment shall be 46" interior width x 41" interior height x 23" interior depth (full height of compartment). Compartment to be fully enclosed and weather sealed, equipped with one (1) roll-up compartment door, size of 40" wide x 33" high, (clear opening size of 37" wide x 29" high).

P3: The passenger's rear side compartment segment shall be 40" interior width x 63" interior height x 23" interior depth (full height of compartment). Compartment segment to be fully enclosed and weather sealed, equipped with one (1) roll-up compartment door, size of 40" wide x 54" high, (clear opening size of 37" wide x 50" high).

#### **COMPARTMENT DOORS AND DOOR ACCESSORIES:**

The following specified roll-up style compartment door tracks/extrusions to be "flush" with exterior body



panels/door jambs. NOTE: Specified roll-up compartment doors shall be manufactured in the United States of America.

Specified compartment door jambs shall be fabricated with inboard flanges which are machined for screw type fasteners and mounting of specified roll-up compartment door aluminum side track extrusions.

All side compartment doors shall be ROM Robinson roll-up shutter style, complete with: Extruded aluminum shutter slats which are anodized satin finish, anodized tubular bar style bottom rail latch, anodized extruded aluminum vertical side tracks with removable neoprene rubber weatherstripping, anodized painted top door opening extrusions with removable neoprene rubber weatherstripping, and spring loaded "front roll" door lift/roll-up mechanism.

Each individual roll-up extruded aluminum door shall be of maximum size for the available door opening. Front and rear extruded aluminum door tracks shall be furnished, bolted to vertical door jambs and interior compartment bulkheads so as to be easily removable for repairs or modifications. All roll-up style compartment doors shall be installed and adjusted during body construction. NOTE: Roll-up door tracks which are riveted or welded in position are not acceptable.

The following specified door opening sizes may be reduced by no more than 3" total width (1-1/2" per side) and 4" total height. Decrease in compartment opening sizes is caused by profile of side track extrusions with weatherstripping and bottom door slat which remains in door opening.

#### ENCAPSULATED ROLL-UP DOOR PROTECTION

All of the specified six (6) roll-up door "bundles" will be encapsulated within custom fabricated swirl finish aluminum shrouds, protecting "bundled" door slats from interior compartment damage. Fabricated shrouds to be of minimum size necessary, to accommodate largest diameter door bundle, and will span the full width of compartment.

NOTE: The specified door bundle encapsulators are removable, from within the compartment interior, so as to allow for door slat and rewind mechanism maintenance/cleaning, without having to remove exterior compartment roof liners/overlapping body panels.

## ROM VERTICAL STRIP INTERIOR DOORWAY COMPARTMENT LIGHTING

Six (6) pairs of ROM brand 12-volt multiple LED element, interior compartment vertical "strip" tubular lights, shall be furnished for compartments.



Lights to be inboard the specified door tacks or jambs, activated by "opening" of the respective compartment door, using a magnetic bar latch switch where roll-up doors are provided (mechanical plunger switch where hinged doors are provided).

Lighting shall have polycarbonate lens to resist breakage from impact and damage from light element heat.

#### REAR OF BODY

Exterior rear face of body shall be a flat vertical surface extending from side-to-side, between and flush with rear compartment corners, provided with the specified roll-up style rear pump panel access door (refer to Fire Pump Section).

#### REAR BODY FACE CONSTRUCTION MATERIAL, SMOOTH PLATE ALUMINUM

Exterior rear face of body, including: passenger's side rear door jamb, driver's side rear door jamb, and rear top header (below hosebed) shall be fabricated of smooth plate aluminum, to allow for application of reflective graphics.

#### COMPARTMENT FLOOR TILES, SECTIONAL VINYL FLOOR TILE

Vinyl 12" x 12" sectional floor tiles are to be provided, custom fitted to the perimeter profile of the interior floor surfaces of the driver's side, passenger's side, and rear compartments, six (6) total.

The specified 12" x 12" floor tiles are to be BLACK in color.

### **ALUMINUM PLATE PULL-OUT ALUMINUM PAN TRAY(S)**

Three (3), fabricated .190" natural unpainted aluminum pull-out pan style tray(s) are to be furnished. Pan tray(s) are to be of maximum width and maximum front-to-rear dimension for specified mounting area. Tray(s) to be provided with 2-1/2" deep perimeter formed-up flanges, 4-corner closure welded, and bolted to specified roller mechanism. Two (2) 300 lb. total capacity cadmium plated Grant or equivalent single direction, multi-section, slide assemblies are to be provided per tray. When facing the tray, the left slide assembly is to be of the "locking" style, in both retracted and extended positions. Roller slides are to be bolted to horizontal surface using full length angular brackets, with inboard surface mating flange, allowing for minimum height profile and maximum width of the pull-out tray.

#### **PULL-OUT TRAY LOCATION(S)**



The above specified "ap	paratus body" pu	ll-out tray(s) are to be		
1 ea. D-1:			٠	
1 ea. D-3:				
1 ea. P-3:				

### PULL-OUT TOOL BOARDS

Two (2) each, smooth natural finish .25" aluminum flat panel vertical pull-out tool boards to be furnished. Tool board panels are to be at least 54" tall x 22" deep (front-to-rear), provided with top and bottom (2-each) cadmium plated roller bearing multi-stage 90% slides bolted to floor and overhead angular brackets.

Outboard vertical edge of tool board is to be provided with a mid-level laser machined cut-out for hand-hold.

#### FRONT-TO-REAR SLIDING ADJUSTMENT

The tool board(s) to be "side-to-side" infinitely adjustable, employing two (2) overhead and two (2) floor mounted stainless steel horizontal tracks, which mate with the specified angular roller slide brackets.

#### TOOL BOARD(S), IN & OUT LOCKING TOP SLIDE

The top roller-slide assembly of each tool board is to be equipped with a lock mechanism, which holds the tool board in its retracted and extended positions.

### LOCATION(S): PULL-OUT HORIZONTALLY ADJUSTABLE TOOL BOARD(S)

The above specified horizontally adjustable, vertical pull-out tool board(s) are to be located in the following compartment(s):

2 ea. P-1:

## VERTICALLY ADJUSTABLE HORIZONTAL "DEEP" SHELF(VES), PAN FLANGED

Four (4) perimeter flanged full compartment front-to-rear width x compartment depth (19"+) fabricated aluminum shelf/shelves to be furnished, clamp-bolted to and removable from adjustable slotted wall tracks.



Each shelf is to be a single piece fabrication, 2-inch perimeter flanged-up, forming a "pan, and providing for a recessed floor surface.

Each compartment adjustable shelf is to rest on, and be bolted to angular metal brackets which are compatible with the specified compartment wall mounted slotted tracks. Each shelf is to be provided with four (4) female threaded cadmium plated spring-loaded "cleats", designed to slide vertically in the specified wall mounted shelf tracks.

Each shelf is to be constructed of .190" smooth unpainted natural finish aluminum, and is to have a load capacity of no less than 500 lbs.

#### **ADJUSTABLE SHELVING LOCATION(S):**

Deep Compartment Shelf/Shelves are to be located in the following compartment(s):

1 ea. D-1:

1 ea. D-2:

1 ea. D-3:

1 ea. P-2:

#### ADJUSTABLE SHELF TRACKS, LOW PROFILE

Six (6) sets of Laser cut vertically slotted bolt-on "low profile" shelf tracks are to be furnished, mounted two (2) on forward and two (2) on rearward interior side walls of the designated apparatus body side compartments. Tracks are to be designed to accommodate spring-loaded threaded cleats allowing for infinite vertical adjustment of the optionally specified horizontal compartment shelves. NOTE: Cleats are to be provided, only with the optionally specified shelves, four (4) each per shelf.

Shelf tracks are to be fabricated of .125" smooth natural finish aluminum, and their design must allow for the shelving width to match the compartment clear opening width.

#### RUBRAILS AND DOORWAY SILL PLATES

Driver's and passenger's forward and rear bottom side compartments shall be furnished with fabricated brushed stainless steel rubrails, extending from front compartment corners to rear wheelwell cut-out, and from rear wheelwell cut-out to rear compartment corners. Rubrails shall be "in-line" with pump panel runningboards and rear tailboard corner steps, 3" high, protruding 1/2" from body sides.



Rubrails shall be channel shape, with top flange extending into compartment interior (below compartment doors), to form "doorway sill plates". Sill plate shall have an integral vertical flange mating to the interior compartment sweep-out floor riser. Stainless steel rubrails shall be bolted in position and easily removable, fasteners concealed below body and inside compartment.

#### **BODY FENDER MOLDINGS**

Polished extruded aluminum 25" radius wheelwell moldings shall be furnished, bolted in position surrounding driver's side and passenger's side rear body "radius" wheelwell cut-outs. Wheel well molding fasteners shall be concealed beneath the extrusion. NOTE: The profile of these moldings will allow the apparatus body to remain within the legal overall width as required by Federal D.O.T. vehicle standards, furthermore; wheel well moldings will not extend beyond the purchaser specified rubrails.

## TUBULAR HANDRAIL, ONE (1) EACH VERTICAL OPPOSITE REAR LADDER

Apparatus body tubular railings shall be furnished, consisting of: 1-1/4" o.d. extruded aluminum tubing, chrome plated double bolt type 3" stand-off end type and center rail brackets, and neoprene rubber surface mounting gaskets furnished between rail bracket and painted body surface.

Tubular railings at step areas shall be provided with an aggressive machined "knurled" non-slip exterior surface.

Tubular railing shall be provided: opposite the optionally specified rear ladder, inboard the vertical rear beavertail or outboard of same compartment corner. Handrail shall begin at 18" above tailboard, extending full height of body corners/beavertail.

#### HORIZONTAL REAR HANDRAIL, BELOW HOSE BED

Matching material tubular railing is to be provided, horizontally on rear body vertical panel below the hosebed gratings. Railing is to be as wide as is possible, without causing interference with optionally specified rear inlets/outlets or step assemblies.

#### STAINLESS STEEL REAR ACCESS LADDER

A swing-out and down access ladder shall be furnished and installed on rear body surface.

For superior strength and service-ability the entire ladder assembly shall be constructed of fabricated 304



grade brushed stainless steel and assembled using 1/4" coated stainless steel fasteners and Nylock nuts. Welding shall not be used in the construction.

Ladder shall be equipped with dual vertical knurled tubular aluminum hand rails on upper section.

A bottom ladder section shall be furnished which flips 180-degrees down below tailboard level for improved access to ladder.

Ladder shall fit vertically along rear body surface when stowed and swing out to provide angular climbing surface. Dual compressed gas struts shall be incorporated into movement of ladder. Manual latches shall not be required in the operation of ladder.

Step depth, tread, and spacing shall be NFPA compliant.

### STAIRWAY LADDER "UNFOLDED" INDICATOR LIGHT

A "STAIRWAY LADDER UNFOLDED" hazard warning indicator light shall be furnished, installed on cab dashboard, wired to the drop-down/folding ladder lower rung section, so as to indicate unsafe/unfolded road hazard condition. Indicator light to be minimum 1/8" diameter LED, visible to driver and officer, identified with permanent engraved nameplate to read; "STAIRWAY LADDER UNFOLDED".

#### ILLUMINATION OF HAZARD WARNING LIGHT(S)

The above specified Hazard Warning Light(s) shall illuminate only when the park brake has been released, so as to alert driver of pending hazard. Warning light(s) shall remain off with vehicle parked; "on scene".

### **ELECTRICAL - 12 VOLT**

#### NFPA RELATED NON-EMERGENCY 12-VOLT ELECTRICAL STANDARDS:

#### **ELECTRICAL WIRING INSTALLATION - 12 VDC**

All electrical circuit wiring installed by the apparatus body builder is to be stranded copper alloy conductors of a gauge rated to carry 125% of the maximum current for which the current is protected. Wiring is to be colored and/or printed with circuit function code over each conductor's entire length.

Original non-protected chassis wiring, extending to rear, including: left turn circuit, right turn circuit, brake circuit, and back-up light circuit is to be re-routed to the interior chassis cab. New replacement color coded



legend imprinted SXL insulated multi-stranded copper chassis wiring is to extend from chassis cab to rear body electrical chassis functions. Wiring is to be enclosed inside specified apparatus body in heat resistant vinyl loom.

### AMBER TURN LIGHT ACTIVATION

Dedicated wiring shall be provided from chassis turn signal control, to the rear of the apparatus, for signaling of the specified apparatus body left and right side rear amber turn lights. Rear amber turn lights are not to be activated by brake lights.

### **ELECTRICAL WIRING INSTALLATION PERFORMANCE - 12 VDC**

All wires are to be of sufficient size so that voltage drop in any electrical device shall not exceed 15%.

## BATTERY CABLE INSTALLATION STANDARDS

Chassis battery cables are to be routed from batteries' common positive to engine starter, return from engine starter to battery switch, and from battery switch to the chassis power distribution terminal post and to post located on a frame rail, and then to the apparatus body power distribution center (PDC). All battery cables are to be appropriately sized welding cable, heavily insulated super fine multi-stranded copper enclosed within high temperature vinyl loom and equipped with plated copper soldered terminals/lugs. Edge protector or rubber grommet is to be furnished where ever battery cables pass through sheet metal panels.

#### AUDIBLE DEVICE INSTALLATION STANDARDS

When furnished, air horns, electric siren, electronic siren speakers, and other audible emergency equipment are to be mounted as low and as far forward on the apparatus as practical. Audible warning equipment is not to be mounted on the roof of the chassis cab.

#### NON-REMOVABLE IGNITION DEVICE

The chassis ignition actuation is to be by a rotary/toggle style switch, or by a key switch with key permanently chained to the dashboard.

#### **WIRING HARNESSES**

All apparatus body wiring for specified lights and electrical equipment is to be suitably protected inside heat resistant vinyl, forming multiple harnesses. Multiple harnesses are to run from chassis cab and apparatus body to a PDC (power distribution center). Harnesses are to consist of individual legend imprinted multi-stranded copper color coded SAE-J 1128 compliant automotive wires inside vinyl loom. Spare wires are to run throughout the apparatus compartmented body so as to allow for future installations of electrical accessories, while using original harnesses. All wiring is to be identified, "imprinted" with number and/or



function. Auto-reset circuit breakers are to be furnished, of various amperage capacities, sized for intended load.

All 12-volt switches, relays, terminals, connectors, and wiring are to have a direct current rating of 125% of maximum current for which the current is protected. All wiring terminals are to be machine crimped, pull-tested during assembly.

### **APPARATUS BODY POWER DISTRIBUTION CENTER**

An enclosed 12 volt electrical cavity is to be provided in the driver's side lower front compartment. This cavity is to be recessed inboard a front compartment removable bulkhead, of adequate size. to house all of the body wiring junction points, terminal strips, relays, etc. The design of this cavity must not decrease the storage capacity area of the compartment in which it is located. A flush mounted removable panel is to be provided for access to this cavity, panel to be equipped with a minimum of four (4) flush mounted latches.

The power distribution center is to be located interior of 12 volt electrical cavity, and is to contain engineered electrical components and waterproof pin/socket bulkhead connectors. Multiple circuit breaker sockets are to be furnished for future use.

#### **BATTERY CABLE UPGRADE**

A 600 amp fuse protected 2-0 multi-stranded copper insulated battery cable is to be run inside protective loom, extending from specified battery disconnect to a chassis frame mounted threaded copper stud, providing power to high amperage items such as: primer motor, electrical discharge valves, reel rewind motors, generator starter motor, etc.

"Vehicle Specific" wiring information is to be provided for this particular apparatus "as built" upon completed delivery of the same. Information to be in spreadsheet format, describing PDC connections and functions.

#### **APPARATUS LIGHTING INSTALLATION STANDARDS:**

All specified 12-volt to be in accordance with D.O.T. regulations at time of purchase.

### WALKWAY, STANDING PLATFORM, AND WORK AREA LIGHTING

Specified standing, stepping, and walking surface lighting shall be located to minimize accidental breakage.



### **LIGHTING INSTALLATION REQUIREMENTS**

All specified light fixtures to be located/fitted prior to and re-installed after finish painting. Where fixture wiring passes through metal body panel, the pass-thru hole to be equipped with a rubber grommet. All specified light fixtures shall be installed, using stainless steel screws with non-metallic "replaceable" threaded inserts, to allow removal of light fixture, from exterior of body. Where light fixtures are to be installed on a painted panel, all light fixture mounting holes, grommet holes, and fastener holes shall be machined/cut-out prior to prime and finish painting, so that all metal edge surfaces receive the same protective coating. Where holes are cut or drilled, after finish painting, same holes shall receive paint finishes prior to insertion of fasteners and threaded inserts.

### **FMVSS LIGHTING CONFIGURATION**

The following specified rear body tail/stop, turn and back up lights to be positioned: Red (tail/stop) TOP, Amber (turn) MIDDLE, and Clear (back up) BOTTOM, driver's and passenger's side rear of body.

#### **VEHICLE DATA RECORDER AND SEAT BELT WARNING DEVICE:**

The Customer/Purchaser will sign a "Waiver" to eliminate the requirement for a VDR..

#### ELECTRICAL CONSOLE, BETWEEN FRONT SEATS

A custom-built, fabricated aluminum, electrical accessory console shall be furnished, installed inside the chassis cab, between front driver's and officer's seats. Console to be of "all-bolted-construction" (to allow for future modifications), maximum width, with horizontal back top surface same height as driver's and officer's seat bottom cushions, and forward "raised" sloping surface. Horizontal and sloping top surfaces of electrical console shall accommodate Customer's 2-way radio control head, the specified emergency lighting rocker switch panel, electronic siren control, and other specified accessory controls. Underside interior of console shall accommodate the wiring bundles, connectors, and circuit protection devices. Console to be unpainted, provided with a sanded natural aluminum finish.

#### APPARATUS ELECTRICAL, 12-VOLT DISCONNECT, KEY ACTIVATED



The chassis ignition switch "on" position shall activate a heavy duty Trombetta solenoid, which powers the apparatus equipment, to include, but not be limited to: pump start motor, reel rewind motor(s), emergency lighting and non emergency body and/or scene lighting.

#### DOT LIGHTING

#### REAR LED ID/MARKER LIGHTING

Five (5), rectangular surface mount 12-volt dual LED bulb marker lights with red reflective lenses to be furnished, located: two (2) recessed into outboard rear tailboard corner flanges, and three (3) recessed behind center rear tailboard flange. Diamond shape cut outs are to expose light fixtures. Marker lights to be activated by headlamp switch.

The three (3) LED marker lights located at the rear to be:

As close as practical to the vertical Centerline.

Centers spaced not less than six (6) inches or more than twelve (12) inches apart.

Red in color.

All at the same height.

The two (2) LED outboard marker lights located at the rear shall be installed:

To indicate the overall width of the vehicle.

At the same height.

To be visible from the rear and the side.

#### MID-TURN/MARKERS

Two (2), surface mount mid-ship Weldon model 9186-8580-29 LED dual element, combination marker & turn lights, are to be furnished, located: one (1) driver's side mid-ship vehicle and one (1) passenger's side mid-ship vehicle. Light fixtures are to have Amber lens. Marker Light is to be steady on with headlights, Turn Lights are to have flashing element, activated by vehicle turn signals.

Per FMVSS 108 and CMVSS 108 requirements.

#### STOP/TAIL LIGHTS, TECHNIQ LED

Two (2), Techniq model K60-STR0-1, Red element rectangular surface mount LED combination stop/tail lights to be furnished, mounted each side at rear of body. Light elements to be clear, light lens to be red. Lights to be wired for activation by service brake and headlamp switch.



### REAR TURN SIGNALS, TECHNIQ LED

Two (2), Techniq model K60-AAT0-1, Amber element rectangular surface mount LED turn signal lights with populated arrow shape and multiple flash patterns to be furnished, mounted one each side at rear of body. Light elements to be clear, light lens to be amber. Lights to be wired for activation by left or right turn signal (not by brake lights).

### BACK-UP LIGHTS, TECHNIQ LED

Two (2), Techniq model K60-WBU0-01 series rectangular surface mount LED back up lights to be furnished, mounted one each side at rear of body. Light elements to be clear, light lens to be clear. Lights to be wired for activation by reverse gear of truck transmission.

Above specified lights to include appropriate chrome bezels, and to be bolted in position, evenly spaced, driver's side and passenger's side rear body corners.

### **BACK-UP ALARM**

One (1), 12-volt Ecco model 520 electronic back-up alarm to be furnished, mounted at rear below body, activated by reverse gear of truck transmission.

### CAST LICENSE PLATE BRACKET, LIGHTED

A Cast Products LP005-1-A polished cast metal license plate bracket with 12-volt Truck-Lite LED overhead light shall be furnished, installed per DOT regulations on the rear of the vehicle.

### DO NOT MOVE APPARATUS "HAZARD" INDICATOR LIGHT

An LED style flashing indicator light shall be furnished, installed on cab dashboard, visible to driver, and as per current NFPA requirements, the light shall be illuminated automatically, as listed below:

The light shall be labeled "DO NOT MOVE APPARATUS IF LIGHT IS ON".

### DEVICES AND EVENTS TO ACTIVATE THE "DO NOT MOVE APPARATUS" INDICATORS



In addition to the chassis cab doors, crew cab doors, and the apparatus body exterior compartment doors, the following device(s) to activate/illuminate the above specified "DO NOT MOVE APPARATUS" hazard warning indicator light.

- Optionally specified rear ladder/stairway

### **COMPARTMENT INTERIOR LIGHTING**

See APPARATUS BODY segment of specifications, for description, and location of provided body compartments interior lighting.

### ENGINE COMPARTMENT LIGHT, LED

One (1), Truck-Lite, Weldon, or equal surface mount 12-volt LED engine compartment interior light to be furnished, located engine compartment underside engine hood. Light to be activated by an individual light fixture mounted switch.

### PERIMETER UNDERCAB LIGHTS

Four (4) each, 4" LED grommet mount under chassis cab 12-volt ground lights to be furnished, located two (2) driver's side and two (2) passenger's side, beneath cab doors. Lenses to be 4" diameter, Clear. Lights to be completely sealed for weather resistance. Lights to be activated by setting of the parking brake.

### PERIMETER UNDERBODY LIGHTS

Five (5) each, 4" LED grommet mount under body 12-volt ground lights to be furnished, located: two (2) each driver's side ahead of and behind rear wheels, two (2) each passenger's side ahead of and behind rear wheels, one (1) each center rear underside tailboard. Lights to be completely sealed for weather resistance, lenses 4" diameter. Lights to be wired for activation by setting of the parking brake.

### 12-VOLT AUXILIARY LIGHTING

### LED SCENE LIGHTING

Rigid Industries SR10CW 91031-black 10" low profile LED scene light is to be furnished and installed at centerline of front chassis grille.



### APPARATUS BODY 12-VOLT SCENE LIGHTING

### 12-VOLT OVERHEAD SIDE FACING SCENE LIGHTS

One (1) each, of the below specified Overhead Side-Facing Scene Lights to be located on the Driver Side of the Apparatus Body.

One (1) each, of the below specified Overhead Side-Facing Scene Lights to be located on the Passenger Side of the Apparatus Body.

### 12 VOLT LED SCENE LIGHTING, 10"

Two (2) Rigid Industries SR 91031-black 10" low profile LED scene light(s) to be furnished and installed. Each light fixture is to be recessed into a brushed stainless steel housing, of minimum size to accommodate the fixture and allow for heat dissipation. Housing is to be provided with a perimeter surround flange and an exterior of body trim bezel. Housing and trim bezel are to be sandwich bolted to matching pattern body panel cut-out.

### 12-VOLT OVERHEAD REAR FACING SCENE LIGHTS

The following specified Rear-Facing Scene Lights are to be located at the uppermost portion of the driver side and passenger side Body Corners.

### 12 VOLT LED SCENE LIGHTING, 10"

Two (2) Rigid Industries SR 91031-black 10" low profile LED scene light(s) to be furnished and installed. Each light fixture is to be recessed into a brushed stainless steel housing, of minimum size to accommodate the fixture and allow for heat dissipation. Housing is to be provided with a perimeter surround flange and an exterior of body trim bezel. Housing and trim bezel are to be sandwich bolted to matching pattern body panel cut-out.

### 12V REAR SCENE LIGHT SWITCHING, CAB SWITCH AND REVERSE GEAR



Specified 12V scene light(s) are to be activated by two (2) sources. one (1) cab dashboard switch is to be provided, in addition to cab switching, lights are to be activated by reverse gear of vehicle transmission. Switch is to be labeled to identify location and type of lights to be switched.

### ELECTRONIC SIREN

One (1), Whelen model 295SLSA1, "Hands Free" electronic siren amplifier w/park-kill feature, selectable 100 or 200 watt output to be furnished. Electronic siren to have a "piercer" tone. A permanently wired microphone to be furnished with coil cord and mounting clip. Siren amplifier to be wired to specified electronic speaker(s).

Siren control head shall be located Surface mounted to center console.

### 100 WATT SPEAKER

One (1), Whelen model SA315P, 100-watt rectangular concealed speaker to be furnished, located recessed behind front bumper. Vertical surface of front bumper to be "cut-out", back side (between bumper and speaker) furnished with polished stainless steel speaker grille.

### CAB ROOF LIGHTBAR: WHELEN FREEDOM, 60" RED & CLEAR LED

One (1ea), Whelen "Freedon" model F4N0VLED, 60" long Linear-LED lightbar shall be furnished and installed, permanently mounted to forward roof top of chassis cab.

Lightbar shall be provided with:

Six (6) red LED's, located: 2-forward facing, 2-front corners, 2-rear corners.

Two (2) clear LED's, located: 2-forward facing.

Lightbar shall be switched in the chassis cab, identified as: "CAB ROOF LIGHTBAR"

NOTE: Activation of vehicle's Parking Brake shall disengage any forward facing clear lights.

### OPTICOM EMITTER, BUILT-INTO LIGHTBAR



One (1), 3M "OptiCom" 795H, or equal, Traffic Pre-Emption Emitter to be furnished, complete with appropriate power supply. Emitter to be installed interior center segment of specified front facing light bar. Emitter lens color is to be clear. Emitter to be activated by a single illuminated rocker switch, identified as: "OPTICOM". Opticom shall be wired to deactivate when park brake is set.

### GRILLE WARNING LIGHTS - LED

Two (2), Techniq model K60 rectangular LED light heads with chrome plated surrounds are to be furnished, surface mounted located on the uppermost horizontal bar of the front grille. Light elements to be RED light lens to be RED. Lights to be activated by a separate illuminated rocker switch, identified by function.

### INTERSECT LED WARNING LIGHTS

Two (2), Techniq model K60 rectangular LED light heads with chrome plated surrounds are to be furnished, surface mounted located driver and passenger front bumper sides or hood/cab fender sides. Light elements are to be driver's Red, passenger's side Red, lenses to be Red. Lights to be activated by a separate illuminated rocker switch, identified by function.

## B & D LOWER ZONE MID-SECTION SIDE, LED WARNING LIGHTS, TECNIQ K-60

Two (2), Tecniq model K60 rectangular LED light heads with chrome plated surrounds are to be furnished, one (1) on each side of the apparatus in the front, centerline, or the rear portion of the rear body wheel wells. Light lenses to be Red, light elements are to be red. Lights are to meet the NFPA Zone B & D lower level lighting requirement.

### REAR OF BODY LOWER LEVEL LED WARNING LIGHTS, TECNIQ

Two (2), Tecniq Model K-60, part number K60-RR00-1, rectangular surface mounted LED light heads and two (2) chrome plated surrounds to be furnished, located one (1) driver's side lower rear body corner, one (1) passenger's side lower rear body corner. Light lenses to be RED, light elements are to be RED. Lights are to meet the NFPA Zone C lower level lighting requirement. Lights to be activated by specified switch, identified by function.

### REAR UPPER LEVEL LED "STACKED" LIGHTS

Four (4), Tecniq model K60 rectangular LED light heads with chrome plated surrounds are to be furnished and mounted two (2) driver's side rear and two (2) passenger's side rear "stacked" one above.



Two (2) Tecniq model K60 rectangular LED light heads with chrome plated surrounds are to be furnished and mounted two (2) rear upper sides (1-each side).

Lights to be activated by specified switch, identified by function.

### LINE VOLTAGE SHOREPOWER ACCESSORIES

### 120-VOLT SHORELINE "SUPER" AUTO-EJECT FOR SHORE POWERED DEVICES

One (1) each, 15-Amp Kussmaul model 091-55-15-120 "Super Auto-Eject" automatic shoreline disconnect is to be furnished with; recessed 3-wire straight blade male receptacle, one (1) eject compatible 3-wire female receptacle plug (shipped loose for attachment to customer's provided power cord), and a colored spring loaded weatherproof Auto-Eject cover plate. The auto shoreline disconnect device is to be held in position with four (4) cover plate screws. The Super Auto-Eject is to be wired to the vehicle's 12-volt engine starter or momentary starter switch; such that when the engine is "cranked" the device ejects the line voltage powered cord receptacle.

Back side of auto shoreline disconnect device is to be completely sealed in a non-corrosive waterproof enclosure, with device's external wiring equipped with water-tight connectors. All wiring, extending to the specified shoreplug powered devices, is to be insulated weatherproof jacketed and properly protected to prevent damage.

The specified mating 3-wire female receptacle plug is to be a Kussmaul product, so as to be compatible with eject device.

Receptacle Location:	*

### SHOREPOWER RECEPTACLE LOCATION

The above specified line voltage shorepower receptacle is to be located, on the driver side body front corner, front facing-outboard.

### **AUTO EJECT COVER COLOR**

The furnished auto eject weather proof cover shall be YELLOW in color.

#### ON-BOARD BATTERY CHARGER - 15 AMP



A Powermax 15-AMP output/120-volt input fully automatic single 12-volt battery system charger shall be furnished, installed inside the chassis cab. System to be protected against reverse polarity, and 2-way radio interference. Charger to be powered by the specified 120-volt shoreplug receptacle.

Charger is to be provided with a Digital Volt Display visible from exterior ground level, through open door or window.

### SHORELINE/GENERATOR TRANSFER SWITCH

The following specified line voltage receptacles and/or power strips are to be "dual powered". A transfer switch is to be furnished, wired to both the shore line and the specified generator power sources. System is to automatically transfer the power source for the designated 125 volt receptacles/strips (totalling a maximum amperage capacity of 20-Amps), from the Shore Power to the Generator. Transfer is to take place upon start-up of the generator system.

## CHASSIS CAB INTERIOR - 125-VOLT 5-20R RECEPTACLE, SHOREPOWER

One (1), 125-volt, household 20-amp 3-wire duplex (2-total) plug-in receptacle shall be furnished, interior of chassis cab, located as designated, with: surface mounted cast aluminum receptacle box, 125-volt 3-wire 5-20R household plug-in receptacle, metal cover plate, protected wiring to the specified shoreline, and engraved nameplate identifying voltage and power source.

### 125-VOLT POWER RECEPTACLE/STRIP LOCATION(S)

Locations of the above specified "chassis cab" line voltage receptacles and/or power strips are to be determined at the Apparatus Pre-Construction Conference.

# MULTIPLE BODY COMPARTMENT - 125-VOLT RECEPTACLES, SHOREPOWER

Two each, 125-volt, household 20-amp 3-wire duplex (2-total) plug-in receptacles shall be furnished, exterior of apparatus body compartment(s), located as designated, with: surface mounted cast aluminum receptacle box, 125-volt L5-20 3-wire household plug-in receptacle, metal cover plate, protected wiring to the specified dual power, and engraved nameplate identifying voltage and power source.

#### LINE VOLTAGE SYSTEM ACCOMMODATONS:



The following line voltage accessories shall be provided, for use with a future installed line voltage power source (generator).

### POWER INVERTER, 12-VDC -TO- 120 VAC

One (1), Dimensions Pure-Sine Inverter is to be furnished, located within the apparatus body, wired to provide line voltage power to the optionally specified 120-volt receptacles. Inverter is to have a maximum power output of 3600 watts at 120-VAC and 30 Amps. Frequency is to be 60 Hz, with a maximum of 2HP motor start capability.

### **CIRCUIT BREAKER PANEL**

One (1), Square-D 100-amp, 6 place, circuit breaker panel with appropriately sized main breaker and individual switch type manual-reset load suitable circuit breakers to be furnished, for inverters up to 4000 watts continious power output. Panel to be located inside a weatherproof apparatus body compartment, provided with waterproof non-metallic flexible conduit (extending from invertere to circuit breaker panel and circuit panel to electrical accessories), with appropriate size multi-stranded color coded THHN insulated wiring. All circuits shall be identified with nameplates describing controlled function.

NOTE: The specified circuit breaker panel is to be "Load Balanced" as best is possible with the optionally specified electrical accessories.

#### PAINT PROCESS

Body surfaces which are to be painted, are to be cleaned using DX436 wax & grease remover. Next, the entire to be painted surface is to be sprayed with F3963 Etching Primer which exhibits very good adhesion and corrosion resistance. A high build primer surfacer, F3975, is to then be applied directly over the etch primer. After allowing the primer surfacer to air dry, the entire unit is to be sanded using dual action sanders leaving a very smooth surface to be painted.

The paint applied to the apparatus shall be PPG Industries Delfleet® Evolution brand, applied throughout a multi-step process including at least two coats of each color and clear coat finish.

Special attention will be given to proper application of coatings according to the specified film build (wet and dry) recommendations of PPG. Product or technical data bulletins should be consulted for any needed information above that which has been outlined herein. All paint materials shall be prepared and applied in accordance with this specification and the paint manufacturer's latest written recommendation prior to paint application.



The coating shall be baked or air dried. The coatings shall provide full gloss when finished curing and must be suitable for application by conventional pressure air atomizing spray.

Body panels and sub-frame area which cannot be painted after assembly shall be pre-primed and painted prior to main painting process.

The coatings shall not contain lead, cadmium or arsenic. The polyiscoyanate component shall consist of only aliphatic isocyanates, with no portion being aromatic isocyanate in character. The solvents used in all components and products shall not contain ethylene glycol, mono-ethyl ethers, or their acetates (commercially recognized as cello solves), nor shall they contain any chlorinated hydrocarbons. The products shall have no adverse health effects or present any unusual hazard to personnel when used according to manufacturer's recommendations for handling and proper protective safety equipment, and for its intended use.

The coating system, as supplied and recommended for application, shall meet all applicable federal, state and local laws and regulations now in force or at any time during the courses of the bid.

The specified apparatus body painted surfaces shall receive the primer coats and the finish coats. These painted surfaces shall have a finish with no runs, sags, craters, pinholes or other defects.

### HIGH LUSTER BUFFING

The specified color painted components (except roll-up door slats) shall be "wet" color sanded with ultra-fine media, machine buffed with rubbing compound and wool pad, machine buffed with glaze and foam pad, and hand wiped to remove residue.

#### PAINT COLOR

Finish color of the apparatus body exterior and painted accessories shall be of a single color to match major chassis cab exterior color.

Unless otherwise specified, the chassis frame, axles, and suspension shall remain the OEM color of Black.

### COMPARTMENT INTERIORS

The enclosed compartment interiors, side and rear, are to be unpainted natural smooth metal finish. Where body material is aluminum, the metal is to have a machine "swirl" finish (marbled), consisting of 80-grit 4-inch diameter circular patterns overlapping each other. Where metal specified to be stainless steel, the finish is to be mill polished #4-brushed.

### COMPARTMENT FABRICATED ACCESSORIES



The optionally specified fabricated compartment accessories (shelves and boards, etc.), are to be unpainted natural smooth metal finish. Where material is aluminum, the metal is to have a machine "swirl-pattern" finish, where metal is stainless steel, the finish is to be #4-brushed.

### **BODY RE-ASSEMBLY**

During reassembly of all individually painted fabricated components, special care shall be taken to prevent deterioration of top paint coats of mating flanged areas. Fabricated accessory components, which have been removed prior to painting, shall be seal coated where mated to dissimilar metal painted components. Accessory fabrications to be installed using stainless steel button socket head cap screw fasteners. Edges of accessories, where meeting exterior body painted fabrications, shall be properly caulked with G.E. or equal silver metallic body sealant to prevent moisture accumulation between metal layers.

### TOUCH-UP PAINT

One (1), full quart of original finish color top coat paint material shall be provided for use as future touch-up paint.

### INTERIOR COMPARTMENTS: "SWIRLED" MACHINED FINISH

The natural unpainted smooth aluminum interior surfaces of all apparatus body interior compartments are to be provided with a "Swirl" (marbled) machined finish. Machining of the metal surfaces (both sides) is to be performed after profile cutting of the individual metal body parts, and prior to the fabrication of same, so as to insure that all surfaces receive same machined pattern, including integral brake-flanges.

### MACHINE "SWIRLED" FINISH ON BULKHEAD WIRE COVERS

The optionally specified interior compartment front and rear bulkhead wire covers are to be abrasive machined, where exposed inside compartment, with a "swirl" pattern, providing a scuff resistant aluminum finish.

### MACHINE "SWIRLED" FINISH ON ROLL-OUT TRAY(S)

The optionally specified three (3) each Roll-Out Tray(s) to be abrasive machined, fully on interior floor and perimeter flanges, with a "swirl" pattern, providing a scuff resistant marbled natural aluminum finish. Swirl machining of the metal surface is to be performed after profile cutting of tray and prior to its fabrication.

### MACHINE "SWIRLED" FINISH ON TOOL BOARD(S)



The optionally specified two (2) each Tool Boards are to be abrasive machined, fully on both sides, with a "swirl" pattern, providing a scuff resistant marbled natural aluminum finish. Swirls are to be 5" in diameter, arranged in a horizontal line, overlapping both horizontally and vertically.

### MACHINE "SWIRLED" FINISH ON SHELVES

The optionally specified four (4) each Shelves are to be abrasive machined, fully on topside and underside, with a "swirl" pattern, providing a scuff resistant marbled natural aluminum finish. Swirl machining of the metal surface is to be performed after profile cutting of shelf and prior to its fabrication.

### CHASSIS FRAME AND DRIVE TRAIN FINISH, TO REMAIN ORIGINAL OEM FINISH

The chassis frame assembly is to remain the color and paint quality as received from the chassis manufacturer (OEM). The frame and drive train components are not be repainted.

Components that are considered part of the "frame assembly" are frame rails, cross members, axles, suspension, steering gear and the fuel tank.

### DISSIMILAR METALS CORROSION PREVENTION

In an effort to prevent "dissimilar metals corrosion" all apparatus ferrous and non-ferrous metals shall be isolated from one another, using barrier tapes, vinyl or rubberized coatings, and other methods to isolate the mating surfaces. Where aluminum and steel or stainless steel are "mated", the entire mating surface must be lined or coated, even where surfaces are already prime and/or color coat painted.

Since all fasteners must be stainless steel, it is imperative to provide fasteners with the smallest possible head profile, such as button-socket-head cap screws, in lieu of pan head or truss head screws. Additionally, all screw and nut fasteners shall be coated with "Harpen Wax" to prevent fastener discoloration when exposed to dissimilar aluminum. Rubber and/or vinyl washers shall NOT be used, as they collapse as allow fasteners to loosen.

Where stainless steel piano hinges are bolted to aluminum, the hinge leaf shall first be lined with a brush on undercoating.

### ADDITIONAL CORROSION PREVENTION

In addition to the above specified corrosion prevention, the apparatus shall be assembled using ECK or electrolysis corrosion control, on all high corrosion potential areas, such as door latches, door hinges, trim



plates, fenderettes, etc. This coating is a high zinc compound that shall act as a sacrificial barrier to prevent electrolysis and corrosion between dissimilar metals.

All 3/8" diameter and smaller screws and bolts shall be stainless steel with a wax coating, designed to reduce the potential for electrolysis and corrosion to occur where items are assembled and attached.

### REFLECTIVE STRIPING: 1-1" + 1.5" GAP + 1-6" + 1.5" GAP + 1-1" SCOTCHLITE STRIPES

Three (3) each, horizontal ScotchLite reflective stripes are to be provided affixed to the full length of driver side and passenger side of the vehicle, in conformance with NFPA 1901 reflectivity requirement. The three (2) reflective bands are to consist of one (1) top 1" WHITE stripe, followed by a 1-1/2" gap exposing job color, one (1) center 6" WHITE stripe, followed by 1-1/2" gap exposing job color, and one (1) bottom 1" WHITE stripe.

### REFLECTIVE MEDIA (STRIPING), CAB INTERIOR DOORS

A White ScotchLite or equivalent reflective stripe is to be affixed to the interior of each chassis cab door. The stripes are each to be a minimum of 96 sq. in. so as to meet the NFPA 1901 requirement.

### GOLD LETTERING, BLACK SHADED

Driver's side and passenger's side chassis cab front doors shall be furnished with CAD generated machine cut simulated Gold Leaf lettering, suitably shaded with Black vinyl.

Forty-one (41) to sixty (60) CAD generated machine cut simulated gold leaf letters, 3.00" tall, highlighted with black vinyl shading shall be provided.

Lettering to be encapsulated between two (2) layers of Mylar, for protection and longevity.

### 6" SCOTCHLITE, BLACK SHADED

<u>22-</u>CAD generated machine cut RED ScotchLite letters, 6" tall, highlighted with black vinyl shading are to be provided. The letters to be "FIRE/RESCUE" and installed on roll up doors P2 and D2 to match existing graphics.

### FLAG EMBLEMS. FLAG WITH EAGLE

One (1) pair of color imaged emblems, 14" wide featuring a "Flying American Flag" and an "Eagle Head" to be furnished and installed per Fire Dept approval.



**EMBLEM** One, 18" diameter emblem, to be furnished and installed per customer's approval. Emblem shall consist of the Lexington Fire Patch to match existing graphics and to be installed on the rear roll up door.

### "SPECIAL DESIGN FEES - 1ST TIME Lexington patch EMBLEM"

The following specified custom door emblem will be designed by the graphics material supplier.

### PREPARATIONS FOR CHEVRON GRAPHICS

Due to the dissimilar metal content encapsulated in the Chevron Graphics Materials, the portions of the apparatus body to be Chevron overlaid; are first to be prime painted and finish painted, thus providing a barrier coat.

Following specified Chevrons are to be applied to the rear apparatus body fabrications only (rear body corners and rear facing panel), not to the exterior surface of any specified rear compartment door(s).

### CHEVRON STRIPING, REAR OF APPARATUS, 3M DIAMOND GRADE CONSPICUITY

Up to 48 square feet of NFPA compliant color and pattern 6" multiple diagonal 3M brand Diamond Grade Conspicuity reflective stripes are to be provided, full width at rear of apparatus body. Stripes are to form "Chevrons", using alternating Solid Red/Fluorescent Yellow-Green reflective stripes, only interrupted by the rear apparatus lighting, handrails, steps, and other bolt-on accessories. Chevron patterned material is to be applied on to the flat metal "painted" surface, prior to the final installation of the specified bolt-on (removable) fixtures and accessories. Stripes shall be oriented at 45-degree angle, sloping downward and away from centerline of vehicle. The cut edges of the diamond grade reflective material are to be overlaid with a clear sealant tape product, such that the edges are not exposed to the elements.

### DELIVERY TO FIRE DEPARTMENT

The completed unit shall be delivered to the purchaser with full instructions provided to Purchaser's personnel on operation, care, and maintenance of apparatus at the purchaser's fire station.

### DELIVERY ENGINEER

Delivery shall be performed by a factory trained Delivery Engineer only employed by the Bidder. Delivery Engineer shall remain in the community a reasonable time for training of Purchaser's personnel and making normal adjustments.



Delivery shall be considered to include, but not be limited to:

- A. Transportation of the Rescue (Special Services) Apparatus.
- B. Conducting one (1) day or evening class for instruction of Fire Department personnel and Drivers for operation.

The Delivery Engineer shall be factory trained, fully capable of conducting informative classes on the complete operation of the vehicle. This means familiarity with engine, running gear, transmission, driving skill, as well as handling of line voltage equipment and all controls.

The Delivery Engineer shall set delivery and instruction schedule with the person appointed by Purchaser, recognizing the need for either daytime or evening classes. Advance notice of at least one (1) week will be given, advising the specific day on which the new apparatus will arrive.

The Purchaser shall make all housing arrangements for the Delivery Engineer and provide him with transportation to and from lodging and nearest available airport or rental car agency (if it applies). The cost of all housing and other living expenses are to be paid for by the Delivery Engineer.



Phone: 763-780-2332 24-Hour Crisis Line/TTY: 763-780-2330

Fax: 763-780-9696

www.AlexandraHouse.org

P.O. Box 490039 Blaine, MN 55449-0039

February 10, 2017

Mayor Mark Kurth 9180 Lexington Ave Lexington, MN 55014

Dear Mayor Mark Kurth,

We know that domestic and sexual violence is endemic in our communities and our state. We also know that domestic and sexual violence do not exist in silos in our communities. We know that many forms of injustice and violence intersect with each other to make our communities unsafe. The devastating effects of economic violence ripple throughout our state, which leave our neighbors struggling to make ends meet.

For a number of years, six statewide coalitions, encompassing over 80 domestic violence organizations statewide, dedicated to ending sexual and domestic violence, have organized the "Action Day to End Violence Against Women" at the Capitol. Historically, this event has been a collective effort to raise awareness about the devastating impact of violence against women in Minnesota and included meetings with legislators and a noon rally.

This year is different. As a collective, we are trying a different approach. The various coalitions and domestic and sexual violence organizations are each organizing an event within their own community and asking their cities and counties to declare March 7, 2017, A Day of Action to End Domestic Violence.

By locally proclaiming March 7, 2017, *A Day of Action to End Domestic Violence*, Anoka County shows its recognition of both the gravity of the problem and the importance of the ongoing work to create a violence-free community in the region. The county's proclamation will add to the chorus of voices across the state insisting that women, men, and children all have a right to seek peace and safety in their lives.

Please contact our Communications Marketing Director, Tina Bronson at 763-656-1363 or <a href="mailto:tbronson@alexandrahouse.org">tbronson@alexandrahouse.org</a> if you have any questions regarding this request. Also enclosed for your reference is a sample you may wish to use to compose your proclamation. Thank you for your consideration and support of this important cause.

Sincerely,

Connie Moore Executive Director

Enclosure Cc: Bill Petracek

## **PROCLAMATION**

# MARCH 7, 2017 IS PROCLAMED AS

# A DAY OF ACTION TO END DOMESTIC VIOLENCE

- **WHEREAS,** Domestic violence, a pattern of behavior used to gain or maintain power and control over an intimate partner, happens here in our community and across to one in three women; and
- **WHEREAS,** Empathy happens here for the family, friends and communities that have experienced the painful death of someone to domestic violence as at least 21 people were murdered due to domestic violence in 2016 alone; and
- **WHEREAS,** Refuge happens here through over 80 domestic violence programs in Minnesota providing services to over 65,000 victims annually; and
- **WHEREAS,** Healing happens here through trauma informed treatment and connection; and
- **WHEREAS,** Accountability happens here with over 10,000 orders for protection issued each year; and
- **WHEREAS,** Honoring the pioneering work of Minnesota advocates who founded one of the nation's first shelters happens here; and
- **WHEREAS**, Collaboration happens here between domestic violence programs, law enforcement, court advocates, housing agencies and community members to ensure the safety of survivors; and
- **WHEREAS**, Domestic violence is the leading cause of homelessness for women and their children, economic empowerment happens here when affordable housing is recognized as a human right.
- WHEREAS, The solutions to end domestic violence happens here, with the commitment of our entire community.
- NOW, THEREFORE, BE IT RESOLVED AND KNOWN TO ALL that the City of Lexington proclaims March 7, 2017 as: A Day of Action to End Domestic Violence.

Mayor Mark Kurth
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Councilmember Kim DeVries	Councilmember John Hughes			
Councilmember Mike Murphy	Councilmember Diane Harris			

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