

**ALBION LITTLE RIVER FIRE PROTECTION DISTRICT
BUSINESS MEETING AGENDA
WEDNESDAY AUGUST 12, 2015**

Albion School, 30400 Albion Ridge Rd., Albion Ca, 7:00 PM

1. Board of Directors meeting
 - a. Call to order and roll call
 - b. Approval of agenda
2. **Approval of minutes.** Review and correct if necessary minutes from the Regular Business Meeting of June 10, 2015 and July 15, 2015
3. **Public Comment.** The public may address the board on matters within the board's jurisdiction whether on the agenda or not. For action items the public may also address the board at the time the item is presented.
4. **Financial Report.** Current Financial statements for the District will be presented
5. **Closed Session.** The Board will adjourn to closed session pursuant to 54956.9-anticipated litigation on Measure M.
 - 5a. **Closed session disclosure**
6. **Items for Board consideration and possible action:**
 - a. Burton's CAFS repair on truck 8162
7. **Directors Discussion:** Individual Board members may discuss topics of concern to the District
 - a. Implementation of Measure M report
 - b. Little River community group report
 - c. November Board elections
 - d. Professional planning consultation report
 - e. Septic at station 811
 - f. Professional consultation re: strategic planning
 - g. Identifying projects and establishing Board priorities
 - h. Legal services to District
 - i. Audit
 - j. Municipal Services/ LAFCO review
 - k. Third party pump testing for ISO
 - l. Crisis counseling for volunteers
 - m. Other items of concern

Any individual who requires disability related accommodations or modifications including auxiliary aids and services in order to participate in the Board meeting should contact the Board in writing at P.O. Box 634 Albion Ca 95410 or contact Board President Chris Skyhawk at 707-937-4295 as soon as possible before the meeting.

ALBION LITTLE RIVER FIRE PROTECTION DISTRICT
P.O. BOX 634
ALBION, CA 95410

Approved
Scott B. Roat
Secretary
8.11.15

MINUTES
BOARD OF DIRECTORS, REGULAR MEETING,
WEDNESDAY, JUNE 10, 2015 7:00 PM
ALBION SCHOOL
30400 ALBION RIDGE ROAD, ALBION, CA 95410

1. **The meeting was called to order by President Skyhawk at 7:12 PM.**
 - a. **A quorum was present: Those in attendance were:** *Directors:* Chris Skyhawk, Bob Canclini, Sam Levine, Rich Riley, and Scott Roat; *Chief* Ted Williams, *Bookkeeper* Sara Spring; *Firefighters:* Steve Wolfe, Debbi Wolfe, Joe Goforth; *Guests:* Al Lawrence, Tim Bray, Josh Latkin, Carolyn Latkin, John Becker, Pat Becker, Gordon Bernstein-Potter, Gary Moraga and Karen Calvert.
2. **Approval of Agenda:** Bob stated that the Agenda was incomplete because it did not include Draft Ordinance regarding the Hack & Squirt Dead Standing Trees. Chris stated that the ordinance would be discussed under Directors Discussion.
3. **The following minutes were approved by the board:** Special Meeting May 18, 2015, were approved. The Minutes of the General Meeting of May 13, 2015, were to be corrected per tonight's meeting.
4. **Public Comment:** Karen Calvert gave each Director a document from her Attorney, Cota Cole LLP, regarding the application of Measure M to Commercial Timberland.
5. **Financial Report:**
 - a. Sara presented the current financial report to-date.
 - b. Rich prepared a letter of thanks to the Little River Inn for all of their support.
6. **Correspondence to the Board:** Some of the Correspondence was reviewed and will be entered on the ALRFPD Web site and filed in the black records binders at Station 811 as will the remainder of the correspondence.
7. **Items for Board Consideration and possible Action:**
 - a. **The budget for** FY July 1, 2015 through June 30, 2016 was approved unanimously and is presented in the attached table.
 - b. **Creation of a Clerk Position:** After much discussion by the Board and the Public, Scott moved that Sara be paid take the minutes per Board decision two years prior. (who seconded the motion?) It was voted 4 to 1, with Chris, Bob, Rich and Scott voting YES and Sam voting NO, to appoint Sara Spring as the Clerk in addition to being the Bookkeeper for the Board. Sara will take the minutes to become effective with the next meeting. The Secretary of the Board, Sam, will continue to file the Agenda, previous approved Minutes, Chief's Report and all correspondence passed out at the meeting in the Black Record binders at 811.
 - c. **810 Emergency Repair budget:** There was much discussion on this issue. Joe initially offered to repair only the faulty electrical wiring in the building. He quoted a price of \$4,000 including materials in his note dated March 30, 2015... While performing the electrical repairs, Joe noted some structural problems and decided to repair these without

submitting a change order to his original quote or seeking authorization from the Board. Additionally he charged supplies and materials on the Fire Department accounts at both Rossi's and Village Hardware without authorization. The job is now complete and has passed the Building Dept. Inspection. Joe has now requested that he be paid his \$4000 fee. Some members of the Board wanted an invoice for the \$4000 to be paid him for Labor and materials. Sara stated that she cannot pay anything without a invoice Sam will determine the total cost of materials from both suppliers and inform both Chris and Sara.

- d. The use of the Station 812 grounds for parking for an offsite wedding event on October 3, 2015 was rejected by the Board in a non-vote unanimous agreement. This site is County property and the District would have to provide security and control, even though the requestor stated that each owner would accept responsibility and security of his/her own vehicle.

8. Subcommittee Reports:

- a. Amy Wynn, Planning Consultant: Some discussion ensued among the Board members and the public guests over her job for the District. Scott said that she has not received her retaining fee. Sara said it was in process. Scott reported that she has already begun working on our situation and is in touch with Frank Lynch, another planner who is interested in our project.).
- b. Building Subcommittee: Sam, as head of the Committee, reported his recent activities regarding the various fire stations. Station 811: After explaining to Scott Perkins of the Planning Department, that the cancellation of the Use Permit was only related to the pulling of the building permit for the planned construction of a new Station designed by Bob Schlosser which was never built. No modifications have been made to the existing building.. Scott agreed to correct the error. Sam later met with Bill Kinser, also of the Planning Department, who also agreed to correct the Use Permit of the existing building. Sam and Bill also discussed the possibility of installing a septic tank in the existing driveway of 811 and pumping the effluent across Albion Ridge Road to a leach field on an immediate neighbor's property. The neighbor had verbally indicated to Bob Canclini that he would allow such an arrangement. Bill stated that before any construction would be allowed, complete documentation of this agreement would have to be filed with the County. Bill also said that there is a precedent for this, as a similar project has already been approved in Gualala. Following this report to the Board, Sam discussed a possible design for an extension of the station to the South. ~~At that point Sara said that Sam should do no more design work.~~

9. Directors Discussion:

- a. Implementation of Measure M: Bob looked over Karen Calvert's Attorney's document, passed out at the beginning of this meeting and said that the Board need to meet in executive session because Measure M may end up in litigation. He also indicated that we will probably have to engage the County Counsel ASAP on this matter. The executive session was set for Wednesday, June 17, 2015, @ 7:00 pm at the Albion School.
- b. Numbering of parcels on Roads 16 and 18 in Little River. These roads had been listed in the County Register as Road F and another letter name. They are now officially Roads 16 and 18. All of the other side roads off Little River Airport Road and Albion Little River Road have already been changed to their current numeric names. The address numbers on roads 16 and 18 will also be change to alleviate the current conflict with similar addresses on

Little River Airport Road. Howard Forest, our Fire Department's Dispatcher, will be brought up to date by the County. Next steps: phone & PG&E.

c. Station 810 Status: The rehabilitation of the building is complete and has passed the Building Department's final inspection. Occupation is limited to the Fire Department and the Auxiliary. No member of the general public can enter the building. Bob has agreed to make up the wording of the restriction. The Auxiliary must maintain an insurance policy if they intend to use 810. Sam also reported that a commercial painter has offered to paint the building for free if the District pays for the paint. Scott requested that Sam get the cost of the paint. Finally, Sam and Rich have agreed to finish cleaning out the station and prepping the walls for the painter.

d. Assignment of Board Tasks: Tabled.

e. CalTrans Albion Bridge Status: Sam passed out a CalTrans drawing showing the current, as of April, three possible designs for the Bridge.

f. Other Items of Concern:

1) Rich has been looking into obtaining an auditor for our biannual audits for FY 2012-2013 and FY 2013-2014. So far he has two possible names: Zach Pehling, CPAs 79-4259?, and Rick Bowers, CPA, Ukiah, Mendocino's Auditor, 468-9210.

2) Bob again brought up the request for a vote on the hack and squirt standing dead trees ordinance. We have received three letters regarding this ordinance, one from CalFire, one from MRC and one from MRC's Attorney demanding that we drop the ordinance. Bob had requested Chris to put it on the agenda which he did not. Bob asked anyway for a vote for or against the ordinance. Chris & Scott said that we could not vote on it tonight because the identically worded ordinance has to be on the agenda twice in a row in order to vote on it. A discussion ensued, with Rich & Sam supporting Bob and Chris and Scott declining to present the Draft Ordinance for a vote, per proper process and procedure.

Cal Forest
Cal Fire
MRC Atty
- see below -

10. The meeting was adjourned by President Skyhawk at 12:17 am, June 11, 2015

11. Next Regular Board Meeting will be July 15, 2015, at 7:00 pm at the Albion School.

Sam Levine,
Secretary

Add Dates

- Cal Fire Dept. of Forestry
and Fire Protection

- Cal Forests Calif Forestry Association
June 9, 15
June 10, 2015

- MRC's Attorney June 10, 2015

ALBION LITTLE RIVER FIRE PROTECTION DISTRICT

P.O. BOX 634

ALBION, CA 95410

BUDGET

FISCAL YEAR JULY 1, 2015 THROUGH JUNE 30TH , 2016

CODE	APPROPRIATION	BUDGET
861035	WORKERS COMPENSATION INSURANCE	\$ 9097
862050	CLOTHING & PERSONAL ITEMS	15,000
862060	COMMUNICATIONS	4000
862080	FOOD	1500
862101	INSURANCE - GENERAL	9837
862120	MAINTENANCE - EQUIPMENT	20,000
862130	MAINTENANCE - STRUCTURES & GROUNDS	11,000
862140	MEDICAL, LAB SUPPLIES	9000
862150	MEMBERSHIPS	1500
862170	OFFICE EXPENSE	600
862181	AUDITING & FISCAL SERVICES	11,000
862184	ARCHITECT & ENGINEERING SERVICES (811)	-
862185	MEDICAL & DENTAL SERVICES	2000
862187	EDUCATION & TRAINING	10,000
862189	PROFESSIONAL & SPECIAL SERVICES - OTHER	2600
862210	RENTS & LEASES BUILDING & GROUNDS	100
862220	SMALL TOOLS AND SUPPLIES	4000
862231	ELECTION SUPERVISION & SERVICES	3500
862250	TRANSPORTATION & TRAVEL	20,000
862260	UTILITIES	5000
863113	PAYMENTS TO OTHER GOVT AGENCIES	2500
864360	STRUCTURES & IMPROVEMENTS	40,000
864370	EQUIPMENT	100,000
	TOTAL APPROPRIATIONS	282,234

APPROVED JUNE 10, 2015, GENERAL MEETING

Approved
Scott B. Roat
Secretary
8.11.15

ALBION LITTLE RIVER FIRE PROTECTION DISTRICT

BUSINESS MEETING MINUTES

WEDNESDAY JULY 15, 2015

ALBION SCHOOL, 30400 ALBION RIDGE RD., ALBION CA

1. A. Call to order 7:15 pm with a quorum present: Skyhawk, Roat, Riley
B. Agenda was approved.
2. Approval of Minutes
 - a. The minutes of the June 10th, 2015 were discussed and held for approval; Roat will work on them and bring them back to the board.
 - b. Closed Meeting of June 17th, 2015 Minutes approved: Y3 N0
 - c. Special Meeting of July 7, 2015 Minutes approved: Y3 N0
3. Shirley for the Auxiliary reported that there are new hats available \$25 to the public and \$20 Fire Personnel and the board.
The BBQ was a success. Debbie discussed the arrangement with Winesong for 8 people to help clean up the event in exchange for \$1000.00 donation.
4. Financial Reports were presented and discussed
5. Report from closed Meeting June 17th, 2015: The Board sent the matter to County Counsel and is awaiting a response.
6. Items for Board consideration and possible action:
 - a. 810 repairs change order: Riley moved that Joe be paid \$4000.00. Approved Y2; Roat abstained.
 - b. Appointment of Secretary: Skyhawk moved that Roat become Secretary. Approved Y3 N0
 - c. Board Vacancies: There were 2 vacancies on the board. The term of these two officers end in November. Three people came forward to fill the vacancies. Alan Yager, Michael Issel, and Debbie Wolfe. Each candidate made a statement regarding their qualifications. The Board asked questions of each candidate. The topic of active firefighters on the Board was discussed. After much discussion and two rounds of voting Wolfe and Issel were appointed to the Board. Roat as Secretary performed the swearing in of both of them. *performed*

7. Directors Discussion:

- a. Planning Consultations: Amy Wynn is feeling better and is working on the case more actively with two other colleagues.
- b. Dead Standing Tree Ordinance: No legal opinion on correspondence regarding this matter has been received.
- c. Implementation of Measure M: Riley and Skyhawk need to go to Ukiah to meet with the county.
- d. Other items of concern: Riley will get binders to the new members of the board and they each need to file a Form 700 within 30 days. Riley thanked all of the past and present Board members.

8. Adjourned 8:55 p.m.

**ALBION LITTLE RIVER FIRE PROTECTION DISTRICT
MONTHLY
FUNDS BALANCE SUMMARY**

DATE	8/7/2015				
FUND	PREVIOUS BALANCE	CHANGES IN PREVIOUS PERIOD	INCOME	EXPENSE	CURRENT BALANCE
TAX REVENUE FUND	\$305,277.68				\$305,277.68
DISTRICT CHECKING AT	\$2,015.49				\$6,001.25
FIRE DEPARTMENT FUND (DONATIONS)	\$90,729.41				\$99,548.02
BUILDING FUND CHECKING	\$10,638.15				\$10,638.60
TOTAL FUNDS BALANCE	\$408,660.73				\$421,465.55

9:12 AM
 08/07/15
 Accrual Basis

Albion Little River Fire Protection District
Profit & Loss Detail
 July 14 through August 7, 2015

Type	Date	Num	Name	Memo	Class	Amount
Income						
82-7700-OTHER						
Deposit	07/31/2015	62-45...	STATE OF CALIFORNIA	Deposit	District	904.00
Total 82-7700-OTHER						904.00
Total Income						904.00
Gross Profit						904.00
Expense						
86-1035-WORKERS COMPENSATION IN						
Check	07/30/2015	4157	Golden State Risk Man...	7/1/15-7/1/16 WC AND ALL INSUR...	District	9,097.00
Total 86-1035-WORKERS COMPENSATION IN						9,097.00
86-2050-CLOTHING & PERSONAL ITE						
Check	07/31/2015	4166	L.N Curtis & Sons	PLACDIO REPLACEMENT	District	1,744.81
Check	07/31/2015	4166	L.N Curtis & Sons	PLACIDO REPLACEMENT	District	203.95
Check	07/31/2015	4166	L.N Curtis & Sons	1287454-00	District	-1,769.36
Total 86-2050-CLOTHING & PERSONAL ITE						179.40
86-2060-COMMUNICATIONS						
INTERNET SERVICE						
Comcast						
Check	07/15/2015		Comcast	8155300570124362/815530057003...	District	50.75
Total Comcast						50.75
Total INTERNET SERVICE						50.75
TELEPHONE						
ATT						
Check	07/27/2015		AT&T	96075541735558/0301538359001/0...	District	136.40
Total ATT						136.40
Total TELEPHONE						136.40
Total 86-2060-COMMUNICATIONS						187.15
86-2101-INSURANCE GENERAL						
Check	07/30/2015	4157	Golden State Risk Man...	7/1/15-7/1/16 WC AND ALL INSUR...	District	9,837.00
Total 86-2101-INSURANCE GENERAL						9,837.00
86-2120-MAINTENANCE EQUIPMENT						
Firefighting Equipment						
Check	07/31/2015	4166	L.N Curtis & Sons	6171890-00	District	1,275.00
Total Firefighting Equipment						1,275.00
Rescue Equipment						
Check	07/31/2015	4163	Fire Service Specificati...	HOLMATRO	District	1,788.30
Total Rescue Equipment						1,788.30
Vehicle Maintenance						
8162						
Check	08/05/2015	4170	Fort Bragg Diesel	20313	District	639.56
Total 8162						639.56
8190						
Check	07/31/2015	4159	Fort Bragg Diesel	19858	District	1,902.57
Total 8190						1,902.57
8192						
Check	07/31/2015	4159	Fort Bragg Diesel	19842	District	1,909.05
Total 8192						1,909.05
8196 RIVER BOAT & TRAILER						
Check	08/05/2015	4168	Village Hardware	Boat Repair	District	36.80
Total 8196 RIVER BOAT & TRAILER						36.80

9:12 AM
 08/07/15
 Accrual Basis

Albion Little River Fire Protection District
Profit & Loss Detail
 July 14 through August 7, 2015

Type	Date	Num	Name	Memo	Class	Amount	
	8199 Jet Ski						
Check	08/05/2015	4169	Rhoades Auto Parts	jet ski	District	118.40	
	Total 8199 Jet Ski						118.40
	Total Vehicle Maintenance						4,606.38
	Total 86-2120-MAINTENANCE EQUIPMENT						7,669.68
	86-2130-MAINTENANCE STRUCTURES						
	Station 810						
Check	07/21/2015	4154	Joe Goforth	Payment in full for services at 810 #643930	District	4,000.00	
Check	07/31/2015	4160	Justin Cook		District	70.00	
	Total Station 810						4,070.00
	Station 811						
Check	07/31/2015	4160	Justin Cook	#643930	District	70.00	
Check	07/31/2015	4164	Mendocino Coast Wate...		District	581.80	
	Total Station 811						651.80
	Total 86-2130-MAINTENANCE STRUCTURES						4,721.80
	86-2140-MEDICAL, LAB SUPPLIES						
	Gasses						
	Eureka Oxygen						
Check	07/31/2015	4161	Eureka Oxygen Co		District	155.04	
	Total Eureka Oxygen						155.04
	Total Gasses						155.04
	Total 86-2140-MEDICAL, LAB SUPPLIES						155.04
	86-2170-DISTRICT OFFICE SUPPLIE						
	Postage						
Check	08/05/2015	4167	USPS	box rent	District	50.00	
Check	08/07/2015	4177	USPS	stamps	District	49.00	
	Total Postage						99.00
	86-2170-DISTRICT OFFICE SUPPLIE - Other						
Check	07/31/2015	4156	ZO OFFICE SUPPLY	Stat 3/31/15	District	22.78	
	Total 86-2170-DISTRICT OFFICE SUPPLIE - Other						22.78
	Total 86-2170-DISTRICT OFFICE SUPPLIE						121.78
	86-2181-AUDITING & FISCAL SERVI						
	Bookkeeping Services						
Check	07/15/2015	4153	Sara Spring		District	413.75	
	Total Bookkeeping Services						413.75
	Total 86-2181-AUDITING & FISCAL SERVI						413.75
	86-2187-EDUCATION & TRAINING						
	MEALS & FUEL REIMBURSEMENT						
Check	08/06/2015	4171	Michael Rees	1095.70 Miles	District	608.11	
Check	08/06/2015	4171	Michael Rees	Meals	District	417.69	
	Total MEALS & FUEL REIMBURSEMENT						1,025.80
	86-2187-EDUCATION & TRAINING - Other						
Check	07/31/2015	4162	ERIC CHISHOLM		District	25.00	
Check	08/06/2015	4171	Michael Rees	Classes and books	District	340.49	
	Total 86-2187-EDUCATION & TRAINING - Other						365.49
	Total 86-2187-EDUCATION & TRAINING						1,391.29

9:12 AM
 08/07/15
 Accrual Basis

Albion Little River Fire Protection District
Profit & Loss Detail
 July 14 through August 7, 2015

Type	Date	Num	Name	Memo	Class	Amount
86-2189-PROFESIONAL & SPECIAL S						
COUNTY COUNSEL SERVICES						
Check	08/07/2015	4176	County Of Mendocino	County Counsel Services 4/1/15-6/30/...	District	1,848.00
Total COUNTY COUNSEL SERVICES						1,848.00
Total 86-2189-PROFESIONAL & SPECIAL S						1,848.00
86-2220-SMALL TOOLS & SUPPLIES						
Check	07/31/2015	4165	Village Hardware	810 Repair	District	66.57
Check	08/05/2015	4168	Village Hardware	#113	District	5.55
Total 86-2220-SMALL TOOLS & SUPPLIES						72.12
86-2250-TRANSPORTATION & TRAVEL						
FLEET FUEL						
Eel River Fuels						
Check	07/31/2015	4155	Eel River Fuels, Inc.	706	District	835.77
Total Eel River Fuels						835.77
Total FLEET FUEL						835.77
Total 86-2250-TRANSPORTATION & TRAVEL						835.77
86-2260-UTILITIES						
Albion Water District						
Check	07/31/2015	4158	Albion Mutual Water C...	JULY, AUG, SEPT	District	135.00
Total Albion Water District						135.00
Thompson Septic Service						
Check	08/07/2015	4174	Thompson's PortaSepti...	21035	District	103.05
Total Thompson Septic Service						103.05
Waste Management						
Check	08/05/2015	4173	Jaime Placido	Reimbursement of Dump Run	District	65.00
Total Waste Management						65.00
86-2260-UTILITIES - Other						
Check	07/21/2015	4154	Joe Goforth		District	89.25
Total 86-2260-UTILITIES - Other						89.25
Total 86-2260-UTILITIES						392.30
86-3113-PAYMNTS TO GOVT AGENCIE						
Check	08/07/2015	4175	Mendocino County Aud...	700	District	316.94
Total 86-3113-PAYMNTS TO GOVT AGENCIE						316.94
86-4370-EQUIPMENT (PURCHASE)						
Firefighting Equipment						
LADDERS						
Check	07/31/2015	4166	L.N Curtis & Sons	1352186-00	District	872.61
Total LADDERS						872.61
Firefighting Equipment - Other						
Check	08/06/2015	4172	Sam Levine	Flashlights	District	34.77
Total Firefighting Equipment - Other						34.77
Total Firefighting Equipment						907.38
Total 86-4370-EQUIPMENT (PURCHASE)						907.38
Total Expense						38,146.40
Net Income						-37,242.40

General Impressions Upon Receipt of Engine 8162 CAFS Modifications

Recommendation Summary:

1. Burton's install CAFS PTO restart lockout circuit described in **Attachment 6** as condition of reserved payment,
2. Burton's supply accurate operation and maintenance documentation that reflects 8162 CAFS modifications, and
3. Burton's assume Fort Bragg Diesel emergency repair service call charges to Philo for 8162 travel to repairs.

I General Impressions Before Issuing PO for Engine 8162 CAFS Modification Approval: Sales Expectations:

Burton's offered an impressive resume of skill sets acquired from long practice within the Van Pelt organization, together with accumulated experience repairing and upgrading fire equipment. Based on evidence presented, we reviewed the prospect of installing a modular upgrade PTO driven CAFS system on 8162 that would function as represented in **Attachment 1**. After many truck engineering details were resolved, Burton's presented a quotation that was responded to with the mutual understanding represented within **Attachment 2**. ALRFPD Board approved Burton's final quotation represented in **Attachment 3**, which omitted itemized concerns expressed in **Attachment 2**, and therefore did not specifically address such matters as foam level indicators, ground level foam fill systems, duplicate documentation, etc.. In fairness, such omissions were characteristic of the nature of communication within and between our respective organizations.

II General Impressions Upon Receipt of Engine 8162 with CAFS Modifications:

Mechanical Considerations:

Custom integration of CAFS system mechanical components requiring modified plumbing, valves, support brackets, service access, etc., all of which required packaging layout compromises, were done rather well (with the possible exception of exhaust pipe routing thereby diminishing ground clearance). All valve repairs examined were dry and operated freely. All bolt and nut heads showed no rounding, and use of torque wrench was in evidence. Vulnerable surfaces received appropriate coatings and temperature sensitive hoses were routed appropriately.

Impression: The center of Burton's expertise resides in servicing and modifying fire equipment metal fabrication.

Electrical Considerations:

1) Harsh environment waterproof Deutsch DT Series connector interconnections made between modular components supplied by Odin with PTO 150 CAFS kit are appropriate for our application. However, connections made to integrate 8162 system elements, such as operator panels, dashboard connections, remote sensors, power, etc., are made with crimped stranded wire eyelet connectors secured to threaded studs, and in most cases, without locking hardware and sometimes covered in heat shrink tubing. Of concern is the fact these connections are not watertight, nor are all these connections provided with strain relief within a high vibration environment, leading to the prospect of stress hardening, exposure of fresh base metal and subsequent oxidation-reduction.

When Burton's repaired the loose screw connections on the CAFS Compressor switch, the recommendation to employ a terminal block was not considered. Instead, the wires were bundled and tie-wrapped together imparting their load moments to the switch contact lug and threads, then subsequently secured by applying Loctite Red, reflecting the concerns expressed above.

Impression: In the opinion of this observer, such practice is neither a reliable nor appropriate long term connection solution for a critical fire apparatus. Rework and/or diligent periodic examination of 8162 will now be required.

2) After exhaust brake repairs upon arrival at Station 811, the CAFS system was powered on and immediately blew its 10 Amp fuse. Subsequent examination of PTO documentation disclosed a 10 Amp fuse was indeed recommended by the manufacturer, but Burton's solution was to replace this fuse with a 20 Amp rating without knowledge or measurement of additional CAFS accessory load characteristics on that circuit. As a result, the reason for this initial failure remains unknown.

Action:

When implementing PTO Restart Lockout Circuit of Attachment 6, Burton's will provide separate fused power distribution to PTO Solenoid circuit and CAFS accessory circuit.

Operational Considerations:

1) In contrast to warrants and representations made by Carlos before purchase agreement, Burton's subsequently delivered documentation that was not modified for 8162, and contained operational sequence warnings, that would destroy system components and void our Vanair, Oden and Chelsea warranties. (**Attachment 4**) However, we were assured Burton's understood firefighting operational considerations, therefore engineering panel controls would be made idiot proof.

Impression: This fact is all the more troubling as we were asked to trust Burton's long experience with fire equipment repair and modification experience. What emerges is a picture of organizational experience disparity between a set of capable mechanical fabrication and repair skills, some electrical wiring skills, and limited understanding of fire engineering human operations. This disparity has led to a sequence of component selection, system integration and engineering panel decisions that do not reflect well on the detailed aspects of a well-engineered integrated system application. The risk of damage associated with unintentional operator errors of CAFS equipment is simply unacceptable. A means of preventing such PTO – CAFS Compressor restart issues must be integral to 8162 as a condition of payment. Moreover, given our exposure to Burton's Electrical and Operational skill set, we must insist on higher engineering standards for a solution.

Action:

Attachment 6 is provided as a potential robust solution that addresses all known concerns (requiring the operator to move their hand between Start and Stop operations, and a circuit that prevents PTO restarts when CAFS air is present). It is recommended that Burton's review **Attachment 6** with their installation team, identify and separate PTO Solenoid fused power connection from CAFS Accessory power connections with a view to fuse them separately, and then review with concerned vendors, acquire parts as listed, install them as presented at Station 811 and then test 8162 demonstrating compliance before final invoice payment reserve is made.

2) Chelsea PTO as installed and noted on Burton's invoice does not agree with documentation part numbers provided. The invoice cites a different PTO of Japanese origin. (**Attachment 5**) Reference Link:

<http://translate.google.com/translate?hl=en&sl=ja&u=http://www.parker.com/portal/site/PARKER/menuitem.bb22d5a82bbb5b147cf26710237ad1ca/%3Fvgnextoid%3Da2d9b5bbe622110VgnVCM10000032a71dacRCRD%26vgnextfmt%3DJJP%26vgnextcatid%3D18220139%26vgnextcat%3D280%2520ASSEMBLIES%26vgnextdiv%3D234075%26vgnextpartno%3D280GBFJP-B5XD%26Wtky%3DPOWER%2BTAKE%2BOFFS&prev=search>

Action:

Burton's agreed to reconcile this particular discrepancy and to all align supplied documentation to reflect the unique particular options and components that comprise 8162 configuration.

3) In contrast to pre-sale expectation, Burton's CAFS training at 811 consisted of a quick review of 8162 engineering panel settings and trial foam runs with Dawn soap. After cleaning foam tank of this material, our Class A Foam Concentrate was added and tested. Results were adequate, but questions were raised regarding the efficacy of our stock Foam compared to Phos-Chek WD881. Given the absence of firefighting experience within Burton's and their focus on delivery of integrated CAFS systems, not training, it seems prudent to this observer, that ALRFPD participation in a suitable CAFS firefighting techniques training is appropriate to derive maximum benefit and duration from our 8162 CAFS investment.

Action:

Ted will arrange to borrow a 5 gal carboy from MFPD and compare foam application results. Further research will be conducted on cost and duration of CAFS Fire-Fighting Schools for presentation to Board for action.

4) Burton's offered numerous prior delivery ETA's for 8162. When responding to what appeared to be a tentative "ready" date, we responded to their request for a delivery address which we took as tentative. Without further negotiation on handoff location, we were next informed by Burton's driver that 8162 had now died in Philo, and could they go home? Subsequent determination was made that 8162 engine exhaust break was engaged for the entire travel of an unloaded truck from Modesto to Philo, at which point the butterfly compression valve froze shut. Dispatch of Fort Bragg Diesel was able to disengage the constriction and facilitate return to Fort Bragg for replacement of exhaust break mechanism.

An additional consequence of this arguably unilateral handoff decision was that Modesto CAFS training was forfeited, this was unfortunate as Carlos represented this training as more comprehensive than that we received at Station 811. So we are now burdened with the belief that Station 811 CAFS training is less than that we might have received in Modesto, had we the opportunity to thoughtfully negotiate a 8162 handoff location.

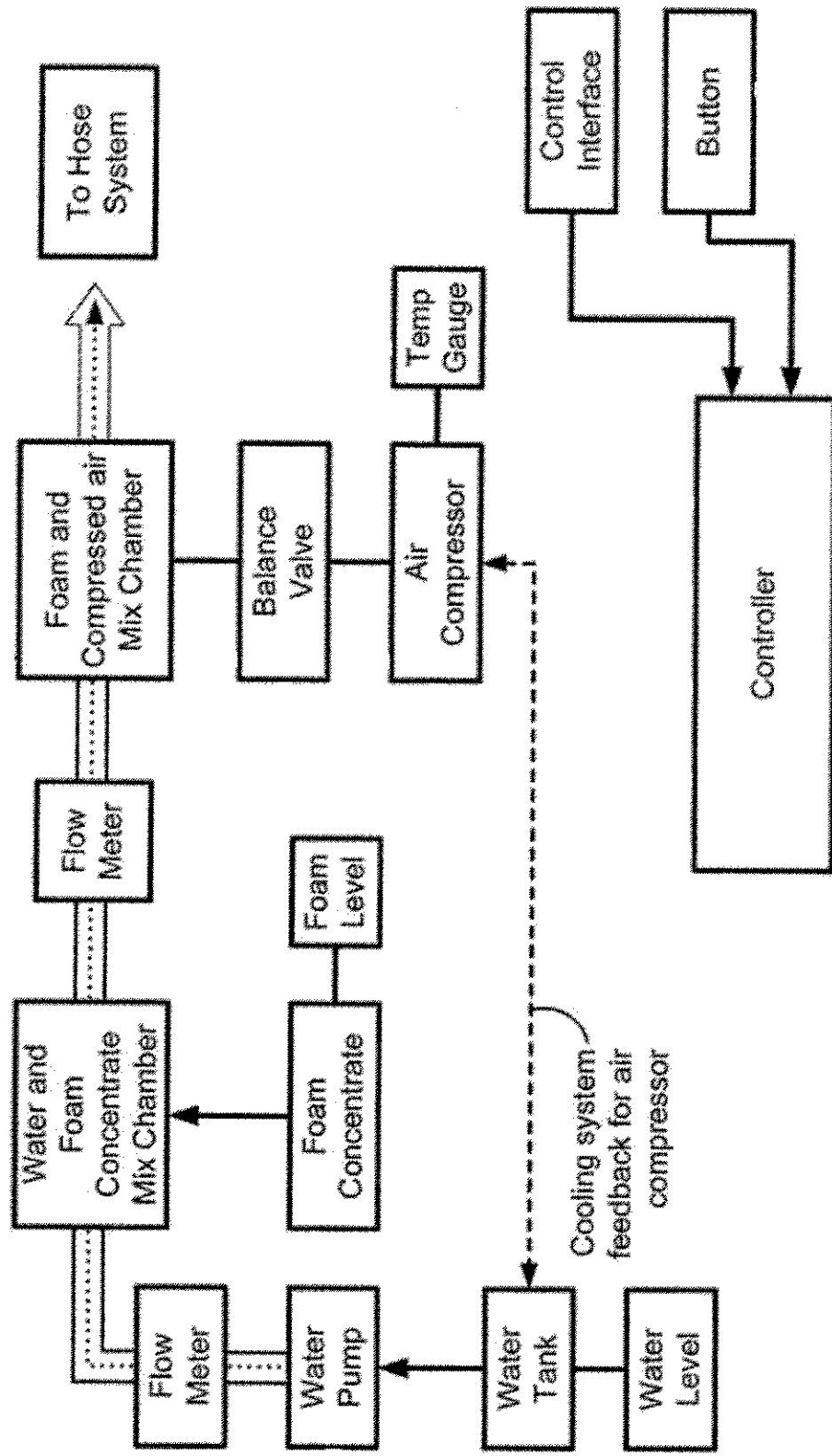
Action:

Given that 8162 transport return was in the custody of Burton's, that exhaust break deployment is reserved for fully loaded trucks on grades, that no discussion ensued between Burton's and ALRFPD on 8162 driving practices, training locations or return schedules, it seems entirely consistent with best practices that Burton's assume the cost of Fort Bragg Diesel's emergency call to Philo.

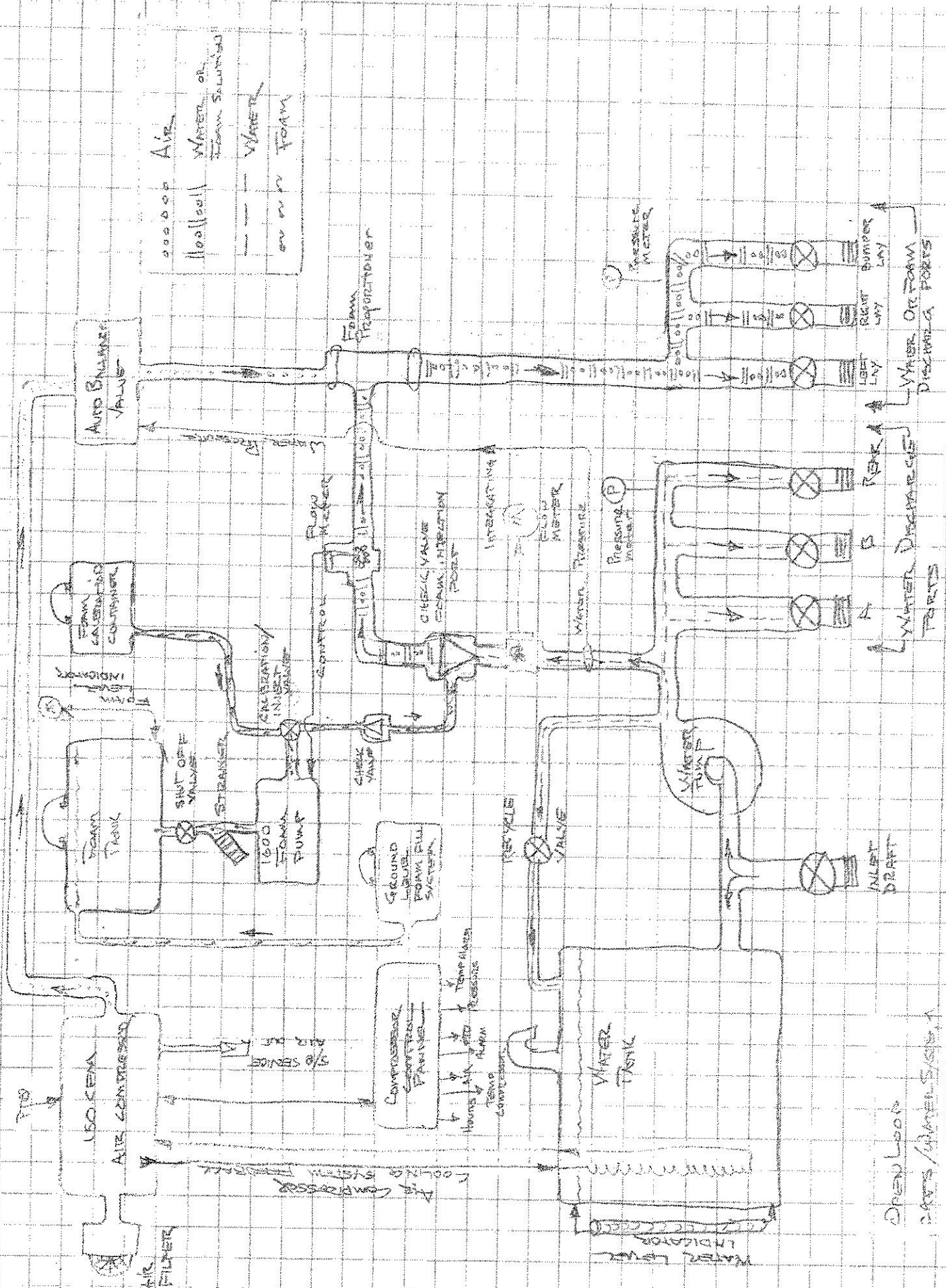
Respectfully Submitted, Michael Issel
5 August 2015
Attachments A to F

Attachment 1

Block Diagram of Modular Upgrade PTO Driven CAFS System



Generic CAFS Block Diagram



00000 Air
 1100000 WATER OR
 FRESHENING
 WATER
 on run FOAM

DREN LOOP
 PARTS / WATER SYSTEM

Attachment 2

Revised CAFS Modification Specification

Subject: Revised CAFS Modification Specification of Work to be performed on ALRFPD 8162 Pumper

Compressed Air Foam System (CAFS):

Supply and install a Darley 150CFM compressor with inlet valve and mounting bracket. The following items will be installed as parts of the CAFS unit. The following items will be installed in locations available on 8162 and shall be made easily accessible for maintenance and operations monitoring.

- Horizontal mount air/oil receiver easily accessible from maintenance panel door during operation.
- Control panel with high temperature shut down. Indicators shall include Compressor Temperature Gage; High Oil Temperature Warning Light/Audible Alarm with provision for graceful automatic shutdown; Air Pressure Gage in PSI; Air flow Gage in CFM; Low level tank sensor and indicator/Audible alarm.
- Remote air intake kit with easily accessible automotive paper replacement filter.
- Provision made to include a truck mounted self-priming concentrate refill system equipped with fresh-water flush capability intended to insure uninterrupted service and eliminate the need for awkward tote lifting during fire suppression activities.
- Provision made for proportioning system fresh-water flush capability.

Power Take Off:

- *Supply and install a PTO that will operate the compressor. The control for the PTO will be at the driver's side pump panel. Incorporate some means to indicate temperature rise and automatically adjust engine idle to PTO load insuring adequate cooling for both engine and compressor for long periods of uninterrupted operation.*
- Burton's Fire will confirm 8162 has the proper PTO outlet and that there is room to mount the compressor by moving the muffler rearwards.
- Install a driveline between the PTO and the compressor. U joint grease fittings shall be accessible.

Plumbing:

- Plumb the CAFS to the following discharges:
 - Front bumper pre-connect.
 - Front cross lay.
 - Rear cross lay.

Documentation & Service Parts:

Burton's shall provide two complete sets of operation, parts and service documentation on CAFS system installation and components.

Acceptance to Specification:

Based on the 500 GPM pump, 500 gallons on-board water tank and the use of foam, the effective coverage is the equivalent of 2500 GPM for fire suppression rating purposes. Burton's agrees to research a method to demonstrate CAFS operation to 2500 GPM equivalency over a period of three trial demonstrations and make equivalency measurements meeting specifications before ALRFPD accepts delivery and makes final payment.

8162 Delivery:

After ALRFPD deposit is made, Burton's will acquire and inspect all CAFS components required for 8162 modification and insure they are functional to the best of their ability. When all OEM system components are confirmed functional and are ready to install, ALRFPD will deliver 8162 to Modesto. Burton's agrees to begin CAFS modification work directly upon 8162 delivery.

Options List

Total Cost Including Tax: ~ \$ 25,549.27 + Options and Valve Repairs

Sincerely,

S/s John Burton

John Burton

Burton's Fire Inc. ACCEPTANCE:

The Purchaser identified below accepts and agrees upon acceptance of this proposal to purchase and pay for the products and labor furnished by Burton's Fire, Inc. Specifically for the above-identified equipment items.

DATE: _____ Purchase Order No. _____

A deposit of \$6,400.00 must be made prior to the start of the work detailed in the above referenced proposal.

COMPANY/DEPARTMENT/: _____

PURCHASER: _____ TITLE: _____

1301 Doker Drive Modesto, CA 95351
Phone: (209) 544-3161 Fax: (209) 544-1109
www.burtonsfire.com

Attachment 3

Burton's CAFS Installation Proposal



March 1, 2015

Fire Chief Ted Williams
Albion Little River FPD
33900 West St.
P.O. Box 634
Albion, CA 95410

**REF: CAFS Installation
Pierce Engine: 8162**

Chief Williams:

Burton's Fire Inc. appreciates the opportunity to quote your department on the following Compressed Air Foam System (CAFS) installation. Below is the work that would be performed.

Compressed Air Foam System (CAFS):

Supply and install a Darley 150CFM compressor with inlet valve and mounting bracket. The following items will be installed as parts of the CAFS unit. The following items will be install per the locations available on the unit.

- Horizontal mount air/oil receiver.
- Control panel with high temperature shut down.
- AutoOdin balance valve.
- Stainless steel, plate type heat exchanger with thermo valve.
- Remote air intake kit.

Master Air Chuck:

Install an air check at the driver's side pump panel. Model of the air check will be provided by the fire department. A check valve will be installed behind the pump panel.

12-Volt Air Injection Valves:

Supply and install separate discharge air injection flow valves on each of the CAFS discharges. Air flow control will be at the driver's side pump panel. A check valve will be installed at each airline.

1301 Doker Drive Modesto, CA 95351
Phone: (209) 544-3161 Fax: (209) 544-1109
www.burtonsfire.com



Existing Foam Eductor:

Remove the existing foam educator and control rod. Install a new Class 1 discharge hose.

Exhaust Muffler:

Relocate the exhaust muffler in order to install the PRO for the CAFS unit. Reroute as high as possible for clearance.

Power Take Off:

Supply and install a PTO that will operate the compressor. The control for the PTO will be at the driver's side pump panel.

Install a driveline between the PTO and the compressor.

Plumbing:

Plumb the CAFS to the following discharges:

- Front bumper preconnect.
- Front cross lay.
- Rear cross lay.

Total Cost Including Tax: \$ 27,006.00

Sincerely,

John Burton
Burton's Fire Inc.

Burton's Fire Inc. ACCEPTANCE:

The Purchaser identified below accepts and agrees upon acceptance of this proposal to purchase and pay for the products and labor furnished by Burton's Fire, Inc. Specifically for the above-identified equipment items.

DATE: _____ Purchase Order No. _____

A deposit of **\$6,400.00** must be made prior to the start of the work detailed in the above referenced proposal.

COMPANY/DEPARTMENT/: _____

PURCHASER: _____ TITLE: _____

1301 Doker Drive Modesto, CA 95351
Phone: (209) 544-3161 Fax: (209) 544-1109
www.burtonsfire.com

Attachment 4

CAFS Operation Warning Admonitions

POWER TAKE OFF OPERATION POWER SHIFTED P.T.O.'S

IMPORTANT

This vehicle is equipped
with a **POWER TAKE-OFF**

-READ OWNERS MANUAL LOCATED
IN THE GLOVE BOX.

-SEE SUN VISOR FOR OPERATING
INSTRUCTIONS.

CHELSEA®



11-01

I. MANUALLY SHIFTED TRANS.

- 1) ENGAGE P.T.O. WITH ENGINE AT IDLE SPEED.

II. AUTOMATIC TRANSMISSION

- 1) ENGAGE P.T.O. WITH ENGINE AT IDLE SPEED.

WARNING:

DURING EXTREMELY COLD WEATHER 230, 231, 236, 242, 243, 244, 250, 251, 270, 271, 277, 278, 800, 852, 859 AND 885 SERIES POWER TAKE OFFS MAY MOMENTARILY TRANSMIT POWER EVEN THOUGH IT IS DISENGAGED! CONSULT YOUR OWNERS MANUAL FOR FURTHER EXPLANATION.

11-01



OPERATION

Section 7 – Pg. 5

(Modify for your vehicle application)

Compressed Air Foam Operation:

- A. Open the tank-to-pump valve
- B. Engage the water pump
- C. Engage air compressor
- D. Shift water pump PTO - verify OK to pump water light is on
- E. Verify compressor engage light is on
- F. If necessary, pull the primer valve to establish water pressure.
- G. Adjust the throttle to the desired pressure. Normal CAFS pressures are from 100 to 125 psi with a maximum of 150 psi. Always adjust throttle when at static, throttle adjustment after primary static adjustment should never exceed safe speeds. Max. safe speed must be posted by the throttle!
- H. Engage foam solution system. Set at .5%.
- I. Open the desired foam water meter valve. The firefighter should have the discharge nozzle open.
- J. Open the accompanying air meter valve fully.
- K. Monitor the water flow and airflow rates on the flow meters and adjust to the desired ratio. A one-to-one mix is a good ratio to start with. For example: 40 GPM to 40 CFM. If a higher water flow is used then the foam will be "wetter" and conversely, if higher airflow is used then the foam will be "drier."
- L. During prolonged operation, monitor the booster tank level and water temperature in the tank. Hot water will slowly develop and fresh intake will be necessary at some point.
- M. Monitor compressor oil temperature. Normal temperature is 160°-180° F. If the oil separator tank temperature exceeds 215°-225° F the warning light and audio alarm will alert will come on. If the temperature rises to this point shut down the system as soon as practical or damage will result..

- **CAUTION OVERSPEED – if excessive overspeed occurs, severe damage can occur. NEVER EXCEED 2000 RPM AT COMPRESSOR SHAFT**
- **IMPORTANT: Do NOT attempt to re- start the system until all residual air has finished bleeding down from the separator receiver tank (45 - 60 seconds). Wait for air psi gauge to read 0 psi.**

SULLAIR/ODIN PTO 150



WARRANTY

The rotary screw compressor unit is warranted for one year when adhering to the prescribed maintenance schedule. This warranty does not cover damage caused by accident, misuse or negligence. If a compressor unit is disassembled the warranty is void. Any disassembly of major components must be approved by Vanair to avoid voiding of warranty. All other parts including the compressor unit shaft seal are warranted for twelve (12) months subject to the same conditions mentioned previously. Any and all such claims for warranty consideration must be coordinated through the Warranty-Service Department at the address below. Do **not** return parts without prior authorization.

Warranty is limited to the supply of replacement parts failing within the warranty period. Credit for labor required to refit replacement parts is NOT included. All warranted parts are to be shipped PREPAID to VANAIR. Replacement parts will be shipped back to the customer by VANAIR via ground shipment. Cost to expedite delivery of replacement parts will be incurred by customer.

Warranty will commence upon receipt of the Warranty Registration Card. If the Warranty Registration Card is not received within six (6) months, the warranty commencement date shall be thirty (30) days from the date of shipment from VANAIR. Records of warranty adherence are the responsibility of end user.

This statement of warranty is expressly in lieu of and disclaims all other express warranties, implied warranties of merchantability and fitness for a particular purchase and all other implied warranties which extend beyond the description on the face hereof. The warranty does not include incidental or consequential damages.

This warranty shall be void and VANAIR shall have no responsibility to repair, replace or repay the purchase price of defective or damaged parts resulting from the use of or repair of replacement parts or fluids not of VANAIR'S manufacture or from buyer's failure to store, install, maintain and operate the compressor according to the recommendations contained in the Manual.

All claims under the Warranty shall be made by contacting VANAIR Warranty-Service Department.



19015 US Hwy 12

Offer of Sale

The items described in this document and other documents and descriptions provided by Parker Hannifin Corporation, its subsidiaries and its authorized distributors ("Seller") are hereby offered for sale at prices to be established by Seller. This offer and its acceptance by any customer ("Buyer") shall be governed by all of the following Terms and Conditions. Buyer's order for any item described in its document, when communicated to Seller verbally, or in writing, shall constitute acceptance of this offer. All goods, services or work described will be referred to as "Products".

1. Terms and Conditions. Seller's willingness to offer Products, or accept an order for Products, to or from Buyer is subject to these Terms and Conditions or any newer version of the terms and conditions found on-line at www.parker.com/sae/terms/. Seller objects to any contrary or additional terms or conditions of Buyer's order or any other document issued by Buyer.

2. Price Adjustments; Payments. Prices stated on Seller's quote or other documentation offered by Seller are valid for 30 days, and do not include any sales, use, or other taxes unless specifically stated. Unless otherwise specified by Seller, all prices are F.C.A. Seller's facility (INCOTERMS 2010). Payment is subject to credit approval and is due 30 days from the date of invoice or such other term as required by Seller's Credit Department, after which Buyer shall pay interest on any unpaid invoices at the rate of 1.5% per month or the maximum allowable rate under applicable law.

3. Delivery Dates; Title and Risk; Shipment. All delivery dates are approximate and Seller shall not be responsible for any damages resulting from any delay. Regardless of the manner of shipment, title to any products and risk of loss or damage shall pass to Buyer upon placement of the products with the shipment carrier at Seller's facility. Unless otherwise stated, Seller may exercise its judgment in choosing the carrier and means of delivery. No deferral of shipment at Buyer's request beyond the respective dates indicated will be made except on terms that will indemnify, defend and hold Seller harmless against all loss and additional expense. Buyer shall be responsible for any additional shipping charges incurred by Seller due to Buyer's acts or omissions.

4. Warranty. Seller warrants that all products sold, other than the 590 Series, conform to the applicable Parker Chelsea standard specification for the lesser period of 2 years (24 Months) from date of service or 2-1/2 years (30 Months) from date of build (as marked on the product name plate). Seller warrants that the 590 Series will conform to the applicable Seller standard specification for the lesser period of 2 years (24 Months) from date of service or 2000 hours of usage. The prices charged for Seller's products are based upon the exclusive limited warranty stated above, and upon the following disclaimer: **DISCLAIMER OF WARRANTY: THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO PRODUCTS PROVIDED HEREUNDER. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS AND IMPLIED, INCLUDING DESIGN, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

5. Claims; Commencement of Actions. Buyer shall promptly inspect all Products upon delivery. No claims for shortages will be allowed unless reported to the Seller within 10 days of delivery. No other claims against Seller will be allowed unless asserted in writing within 30 days after delivery. Buyer shall notify Seller of any alleged breach of warranty within 30 days after the date the defect is or should have been discovered by Buyer. Any action based upon breach of this agreement or upon any other claim arising out of this sale (other than an action by Seller for an amount due on any invoice) must be commenced within 12 months from the date of the breach without regard to the date breach is discovered.

6. LIMITATION OF LIABILITY. UPON NOTIFICATION, SELLER WILL, AT ITS OPTION, REPAIR OR REPLACE A DEFECTIVE PRODUCT, OR REFUND THE PURCHASE PRICE. IN NO EVENT SHALL SELLER BE LIABLE TO BUYER FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR AS THE RESULT OF, THE SALE, DELIVERY, NON-DELIVERY, SERVICING, USE OR LOSS OF USE OF THE PRODUCTS OR ANY PART THEREOF, OR FOR ANY CHARGES OR EXPENSES OF ANY NATURE INCURRED WITHOUT SELLER'S WRITTEN CONSENT, EVEN IF SELLER HAS BEEN NEGLIGENT, WHETHER IN CONTRACT, TORT OR OTHER LEGAL THEORY. IN NO EVENT SHALL SELLER'S LIABILITY UNDER ANY CLAIM MADE BY BUYER EXCEED THE PURCHASE PRICE OF THE PRODUCTS.

7. User Responsibility. The user, through its own analysis and testing, is solely responsible for making the final selection of the system; and Product and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application and follow applicable industry standards and Product information. If Seller provides Product or system options, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the Products or systems.

8. Loss to Buyer's Property. Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer or any other items which become Buyer's property, will be considered obsolete and may be destroyed by Seller after two consecutive years have elapsed without Buyer ordering the items manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

9. Special Tooling. A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture Products. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the Products, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

10. Buyer's Obligation; Rights of Seller. To secure payment of all sums due or otherwise, Seller shall retain a security interest in the goods delivered and this agreement shall be deemed a Security Agreement under the Uniform Commercial Code. Buyer authorizes Seller as its attorney to execute and file on Buyer's behalf all documents Seller deems necessary to perfect its security interest.

11. Improper use and Indemnity. Buyer shall indemnify, defend, and hold Seller harmless from any claim, liability, damages, lawsuits, and costs (including attorney fees), whether for personal injury, property damage, patent, trademark or copyright infringement or any other claim, brought by or incurred by Buyer, Buyer's employees, or any other person, arising out of: (a) improper selection, improper application or other misuse of Products purchased by Buyer from Seller; (b) any act or omission, negligent or otherwise, of Buyer; (c) Seller's use of patterns, plans, drawings, or specifications furnished by Buyer to manufacture Product; or (d) Buyer's failure to comply with these terms and conditions. Seller shall not indemnify Buyer under any circumstance except as otherwise provided.

12. Cancellations and Changes. Orders shall not be subject to cancellation or change by Buyer for any reason, except with Seller's written consent and upon terms that will indemnify, defend and hold Seller harmless against all direct, incidental and consequential loss or damage. Seller may change product features, specifications, designs and availability with notice to Buyer.

13. Limitation on Assignment. Buyer may not assign its rights or obligations under this agreement without the prior written consent of Seller.

14. Force Majeure. Seller does not assume the risk and shall not be liable for delay or failure to perform any of Seller's obligations by reason of circumstances beyond the reasonable control of Seller (hereinafter "Events of Force Majeure"). Events of Force Majeure shall include without limitation: accidents, strikes or labor disputes, acts of any government or government agency, acts of nature, delays or failures in delivery from carriers or suppliers, shortages of materials, or any other cause beyond Seller's reasonable control.

15. Waiver and Severability. Failure to enforce any provision of this agreement will not waive that provision nor will any such failure prejudice Seller's right to enforce that provision in the future. Invalidation of any provision of this agreement by legislation, or other rule of law shall not invalidate any other provision hereon. The remaining provisions of this agreement will remain in full force and effect.

16. Termination. Seller may terminate this agreement for any reason and at any time by giving Buyer thirty (30) days written notice of termination. Seller may immediately terminate this agreement, in writing, if Buyer: (a) commits a breach of any provision of this agreement (b) appoints a trustee, receiver or custodian for all or any part of Buyer's property (c) files a petition for relief in bankruptcy on its own behalf, or by a third party (d) makes an assignment for the benefit of creditors, or (e) dissolves or liquidates all or a majority of its assets.

17. Governing Law. This agreement and the sale and delivery of all Products hereunder shall be deemed to have taken place in and shall be governed and construed in accordance with the laws of the State of Ohio, as applicable to contracts executed and wholly performed therein and without regard to conflicts of laws principles. Buyer irrevocably agrees and consents to the exclusive jurisdiction and venue of the courts of Cuyahoga County, Ohio with respect to any dispute, controversy or claim arising out of or relating to this agreement.

18. Indemnity for Infringement of Intellectual Property Rights. Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Section. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets ("Intellectual Property Rights"). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that a Product sold pursuant to this Agreement infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If a Product is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using the Product, replace or modify the Product so as to make it noninfringing, or offer to accept return of the Product and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to Products delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any Product sold hereunder. The foregoing provisions of this Section shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

19. Entire Agreement. This agreement contains the entire agreement between the Buyer and Seller and constitutes the final, complete and exclusive expression of the terms of sale. All prior or contemporaneous written or oral agreements or negotiations with respect to the subject matter are herein merged.

20. Compliance with Law, U. K. Bribery Act and U.S. Foreign Corrupt Practices Act. Buyer agrees to comply with: all applicable laws and regulations, including both those of the United Kingdom and the United States of America, and of the country or countries of the Territory in which Buyer may operate, including without limitation the U. K. Bribery Act, the U.S. Foreign Corrupt Practices Act ("FCPA") and the U.S. Anti-Kickback Act (the "Anti-Kickback Act"), and agrees to indemnify and hold harmless Seller from the consequences of any violation of such provisions by Buyer, its employees or agents. Buyer acknowledges that they are familiar with the provisions of the U. K. Bribery Act, the FCPA and the Anti-Kickback Act, and certifies that Buyer will adhere to the requirements thereof. In particular, Buyer represents and agrees that Buyer shall not make any payment or give anything of value, directly or indirectly to any governmental official, any foreign political party or official thereof, any candidate for foreign political office, or any commercial entity or person, for the purpose of influencing such person to purchase products or otherwise benefit the business of Seller.

07/14

Attachment 5

CAFS Invoice



Burton's Fire, Inc.
 1301 Doker Dr., Modesto, CA 95351
 PARTS DEPT: 209-846-7400
 OFFICE/SHOP: 209-544-3161
 FAX: 209-544-1109
 WWW.BURTONSFIRE.COM

INVOICE W 74991
Date 07/13/15
Date Open 03/13/15

Sold To : 100-2938

Ship To :

Albion Little River Fpd
 P.o. Box 634

 Albion Ca 95410
Approved By Chief

Written By Jborges	Terms CHG	Time 10:00:47	Customer Po # Estimate	Promised	Phone	Ship Via None
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Unit # 8162	Plate #	Year 2000	Make Pierce	Model Wild Land	Mileage/Hrs 0/0.0	VIN 10929-1	Engine
----------------	---------	--------------	----------------	--------------------	----------------------	----------------	--------

Qty	Description	List Price	Price	Amount
	Estimate Only:		0.00	
40.00	Compressed Air Foam System (CAFS): Supply and install a Darley 150CFM compressor with inlet valve and mounting bracket. The following items will be installed as parts of the CAFS unit. The following items will be install per the locations available on the unit. " Horizontal mount air/oil receiver. " Control panel with high temperature shut down. " AutoOdin balance valve. " Stainless steel, plate type heat exchanger with thermo valve. " Master air chuck. " Remote air intake kit.		95.00	3800.00
1.000	WSDCAFS 150CFM CAFS Unit	16025.64	11633.68	11633.68
1.000	GRE#16MPTX#16MJICX9 FITTING, 90DEG.	15.54	8.38	8.38
2.000	WSD5204400 .50" CHECK VALVE,DURABLO	175.00	93.33	186.67
3.000	GRE#12MPTX#12MJICX9 FITING 90DEG.	10.10	5.45	16.34
2.000	WSD5209400 12V. VALVE,ACTUATOR .50NPT	743.35	375.99	751.97
1.000	WSD5209404 VALVE,ACUATOR	1209.54	611.14	611.14
1.000	GRE18"HYDHOSE #24,100R JIC SWVL ENDS	230.38	122.87	122.87
1.000	WSD5204300 CHECK VALVE	492.19	248.68	248.68
4.000	LIGCH81264-01 LONG, BOOT COVER, BLACK	7.17	7.17	28.68

ALL RETURN ITEMS MUST BE ACCOMPANIED BY THE ORIGINAL INVOICE
 SPECIAL ORDERS ARE SUBJECT TO RESTOCKING FEE OF 20%
 NO RETURNS ON ELECTRICAL COMPONENTS
 Resale# SRKHE 100-536806
 Fed-ID# 20-1972133

Parts..... 17501.51
 Labor..... 8170.00

FRTINCOMING IS TAXABLE. ALL OTHER FREIGHTS ARE NON TAXABLE
 MILMILEAGE, LODTRAVEL, AND GEO DIESEL ARE NON TAXABLE

This invoice is due in 30 days. Verify your sales tax.
 Thank you for your business. Come back again

Sub Total 25671.51
 Tax..... 1334.49

Less Deposit 6400.00
TOTAL **Continued**

Authorized By _____



Burton's Fire, Inc.
 1301 Doker Dr., Modesto, CA 95351
 PARTS DEPT: 209-846-7400
 OFFICE/SHOP: 209-544-3161
 FAX: 209-544-1109
 WWW.BURTONSFIRE.COM

INVOICE W 74991
Date 07/13/15
Date Open 03/13/15

Sold To : 100-2938

Ship To :

Albion Little River Fpd
 P.o. Box 634

 Albion Ca 95410
Approved By Chief

Written By Jborges	Terms CHG	Time 10:00:49	Customer Po # Estimate	Promised	Phone	Ship Via None
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Unit # 8162	Plate #	Year 2000	Make Pierce	Model Wild Land	Mileage/Hrs 0/0.0	VIN 10929-1	Engine
----------------	---------	--------------	----------------	--------------------	----------------------	----------------	--------

Qty	Description	List Price	Price	Amount
3.000	LIGCH55054 MOM ON/OFF/MOM ON, 6 SCREW, SHORT HANDLE	24.43	19.54	58.62
40.00	LAW16542 1/4" SPLIT LOOM	0.54	0.45	18.00
2.000	CEN1CGN 1" CLOSE NIP	3.50	1.80	3.60
2.000	CEN1.45ELBOW 1" S/S 45DEG ELBW	0.00	6.80	13.60
1.000	CEN61-108-01 2" BALL, CONE CHECK VAL	332.60	175.06	175.06
1.000	CEN1739191PL 2.5" SWING CHECK	144.79	144.75	144.75
1.000	CEN34.12GB 3/4X1/2 HEX BUSHING	2.36	1.97	1.97
1.000	CEN34.6GN GALV NIPPLE	0.00	4.00	4.00
1.000	LIGCH5582 TOGGLE SWITCH	6.23	6.23	6.23
1.000	MOD735-7080 EXH WRAP	106.65	91.41	91.41
2.000	CEN12G90-1 1/2 GALV 90DGR ELBOW	1.00	1.00	2.00
1.000	CEN34G45 3/4X45DGR ELBOW	3.72	3.72	3.72
1.000	CEN34.CGN 3/4XCLOSE GALV NIPPLE	0.87	0.87	0.87
			SubTotal	17932.24
6.000	Power Take Off: Supply and install a PTO that will operate the compressor. The control for the PTO will be at the driver's side pump panel. Note: Burton's Fire would have to confirm that the transmission has the proper PTO		95.00	570.00

ALL RETURN ITEMS MUST BE ACCOMPANIED BY THE ORIGINAL INVOICE
 SPECIAL ORDERS ARE SUBJECT TO RESTOCKING FEE OF 20%
 NO RETURNS ON ELECTRICAL COMPONENTS
 Resale# SRKHE 100-536806
 Fed-ID# 20-1972133

Parts..... 17501.51
 Labor..... 8170.00

FRTINCOMING IS TAXABLE. ALL OTHER FREIGHTS ARE NON TAXABLE
 MILMILEAGE, LODTRAVEL, AND GEO DIESEL ARE NON TAXABLE

This invoice is due in 30 days. Verify your sales tax.
 Thank you for your business. Come back again

Sub Total 25671.51
 Tax..... 1334.49

Less Deposit 6400.00
TOTAL **Continued**

Authorized By _____



Burton's Fire, Inc.
 1301 Doker Dr., Modesto, CA 95351
 PARTS DEPT: 209-846-7400
 OFFICE/SHOP: 209-544-3161
 FAX: 209-544-1109
 WWW.BURTONSFIRE.COM

INVOICE W 74991
Date 07/13/15
Date Open 03/13/15

Sold To : 100-2938

Ship To :

Albion Little River Fpd
 P.o. Box 634

 Albion Ca 95410
Approved By Chief

Written By Jborges	Terms CHG	Time 10:00:50	Customer Po # Estimate	Promised	Phone	Ship Via None
-----------------------	--------------	------------------	---------------------------	----------	-------	------------------

Unit # 8162	Plate #	Year 2000	Make Pierce	Model Wild Land	Mileage/Hrs 0/0.0	VIN 10929-1	Engine
----------------	---------	--------------	----------------	--------------------	----------------------	----------------	--------

Qty	Description	List Price	Price	Amount
1.000	outlet and that there is room to mount the compressor and assorsories. FOR280GKFJP-B5XD PTO ASSY	3206.54	1232.96	1232.96
1.000	PIE64-2343 RELAY SPDT 30A 12VDC ENCAP.	7.56	7.18	7.18
1.000	VALDRIVELINE Driveline	312.50	285.79	285.79
			SubTotal	2095.93
40.00	Plumbing: Plumb the CAFS to the following discharges: " Front bumper preconnect. " Front cross lay. " Rear cross lay.		95.00	3800.00
5.000	CEN212.CNG 2.5XCLOSE GALV NIPPLE	12.17	10.14	50.70
1.000	CEN2GCP 2"GALV CAP	5.90	5.90	5.90
2.000	CLA20MC 2" MALE COUPLING	38.00	28.50	57.00
1.000	CLA20FC 2" FEMALE COUPLING	118.00	88.50	88.50
1.000	CLA20VC 2" VICTALIC COUPLING	33.00	24.75	24.75
4.000	CLA20FE 2.0" FERRULE	18.63	13.98	55.92
1.000	CEN1.CGN 1"XCLOSE GALV NIPPLE	1.53	1.53	1.53
1.000	LAW5086 3/8X1/4 COMP.ELB	5.20	4.00	4.00

ALL RETURN ITEMS MUST BE ACCOMPANIED BY THE ORIGINAL INVOICE
 SPECIAL ORDERS ARE SUBJECT TO RESTOCKING FEE OF 20%
 NO RETURNS ON ELECTRICAL COMPONENTS
 Resale# SRKHE 100-536806
 Fed-ID# 20-1972133

Parts..... 17501.51
 Labor..... 8170.00

FRTINCOMING IS TAXABLE. ALL OTHER FREIGHTS ARE NON TAXABLE
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 Thank you for your business. Come back again

Sub Total 25671.51
Tax 1334.49

Less Deposit 6400.00
TOTAL **Continued**

Authorized By _____



Burton's Fire, Inc.
 1301 Doker Dr., Modesto, CA 95351
 PARTS DEPT: 209-846-7400
 OFFICE/SHOP: 209-544-3161
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INVOICE W 74991
Date 07/13/15
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 P.o. Box 634

 Albion Ca 95410
Approved By Chief

Written By Jborges	Terms CHG	Time 10:00:51	Customer Po # Estimate	Promised	Phone	Ship Via None
-----------------------	--------------	------------------	---------------------------	----------	-------	------------------

Unit # 8162	Plate #	Year 2000	Make Pierce	Model Wild Land	Mileage/Hrs 0/0.0	VIN 10929-1	Engine
----------------	---------	--------------	----------------	--------------------	----------------------	----------------	--------

Qty	Description	List Price	Price	Amount
			SubTotal	4088.30
	Additional Parts Needed and Quoted:			95.00
3.000	WSD5204400 Air ccheck valve	205.00	94.15	282.45
3.000	WSD5209400 12-Volt air injection valve.	314.10	414.90	1244.69
			SubTotal	1527.14
8.000	JTSLABELS Labels	6.25	3.49	27.90
			SubTotal	27.90

ALL RETURN ITEMS MUST BE ACCOMPANIED BY THE ORIGINAL INVOICE
 SPECIAL ORDERS ARE SUBJECT TO RESTOCKING FEE OF 20%
 NO RETURNS ON ELECTRICAL COMPONENTS
 Resale# SRKHE 100-536806
 Fed-ID# 20-1972133

Parts..... 17501.51
 Labor..... 8170.00

FRTINCOMING IS TAXABLE. ALL OTHER FREIGHTS ARE NON TAXABLE
 MILMILEAGE, LODTRAVEL, AND GEO DIESEL ARE NON TAXABLE

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 Thank you for your business. Come back again

Sub Total 25671.51
 Tax..... 1334.49

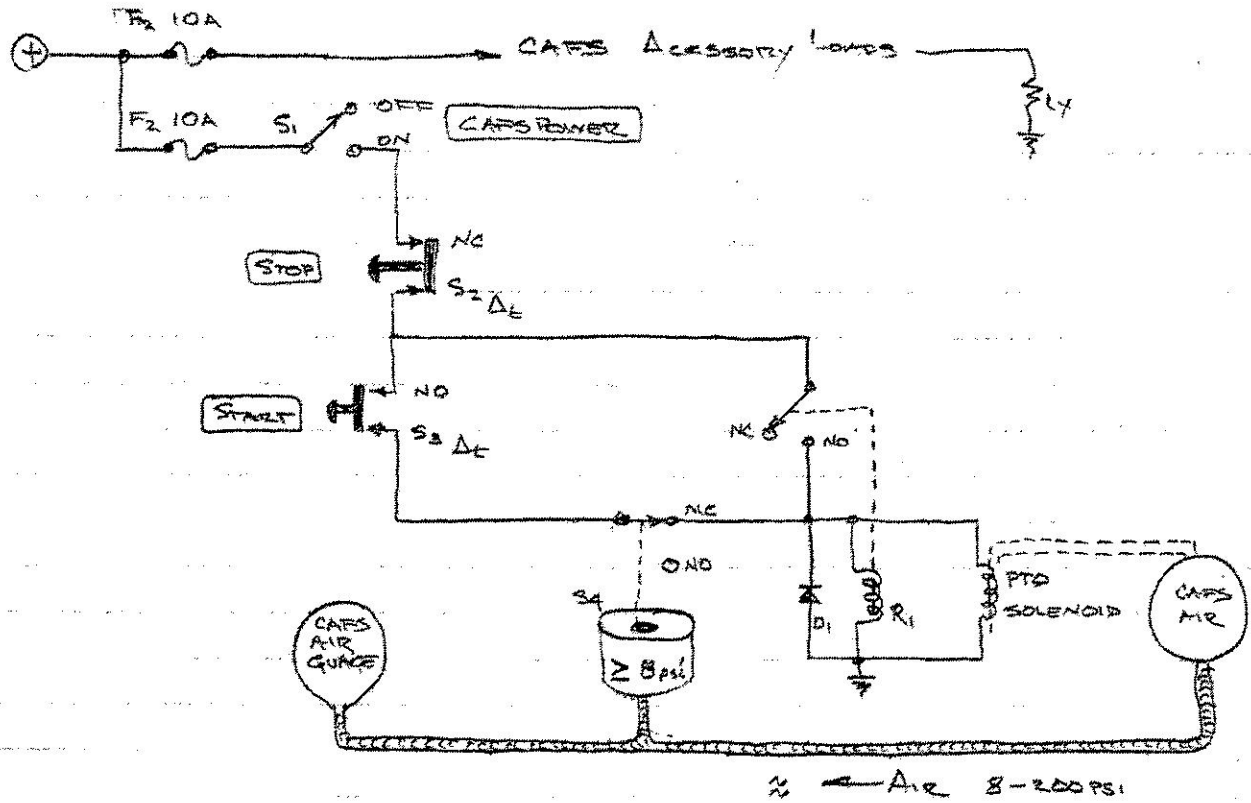
Authorized By _____

Less Deposit 6400.00
TOTAL 20606.00

Attachment 6

CAFS PTO Restart Interlock Circuit

8162 CAFS PTO Restart Interlock Circuit



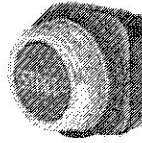
Index	Qty	Description & Part Number
Fn2	2	Busman / 10 A HHU Waterproof ATM Fuse Holder (Locate on Upper Power Panel) http://www.l.cooperbussmann.com/b/blade/fusesandAccessories.html
S1	1	JayCar / 15A SPST Marine Toggle Switch CAT.NO: ST0574 (Locate on Upper Power Panel) http://www.jaycar.com.au/Electromechanical-Components/Switches/Toggle/15A-SPST-Marine-Toggle-Switch/p/ST0574
S2	1	Allen Bradley / Momentary Contact STOP Push Button - Two-Color Molded Legend Caps 800TC-A 103W S (Time Delayed Opening - See attached PDF) http://www.ab.com/en/epub/catalogs/12768/229240/229244/2531083/Momentary-Contact-Push-Buttons.html
S3	1	Allen Bradley / Momentary Contact START Push Button - Two-Color Molded Legend Caps 800TC-A 604W T (Time Delayed Closing - See attached PDF) http://www.ab.com/en/epub/catalogs/12768/229240/229244/2531083/Momentary-Contact-Push-Buttons.html
S4	1	Sigma-Netics / 744-S Pressure Switch PN: 744-21-S28F-0008T http://www.sigmanetics.com/products/pressure-switches/744-s-pressure-switch
R1	1	Hella 007794301 Weatherproof 20/40 Amp SPDT Mini Relay with Bracket http://www.amazon.com/HELLA-007794301-Weatherproof-Relay-Bracket/dp/B003TE09GU Hella H84709001 Iso Weatherproof Relay Connector with 12" Leads http://www.amazon.com/HELLA-H84709001-Weatherproof-Relay-Connector/dp/B000VU9D0C
D1	1	Fairchild / IN4005 Rectifier Diode (600 V _{RRM} , 420 V _{R(RMS)}) https://www.fairchildsemi.com/datasheets/18/18400L.pdf

Momentary Contact Push Button Devices, Non-Illuminated — With Two-Color Molded Legend Caps

Operator Only

- Less legend cap
- Less contact blocks

Button Type	Type 4/13	Type 4/4X/13
	Cat. No.	Cat. No.
Flush	800T-A00	800H-AR00
Extended	800T-B00	800H-BR00



Cat. No. 800T-A00 with
Cat. No. 800T-LC103W
installed



Cat. No. 800H-BR00 with
Cat. No. 800T-LC604
installed

Legend Caps

Text	Cap Color	Text Color	Cat. No.
	Green	White	800T-LC101W
START			800T-LC103W
ON			800T-LC105W
START / I			800T-LC121W
O	Black	White	800T-LC202W
STOP			800T-LC204W
RESET			800T-LC207W
↑			800T-LC208W
FORWARD			800T-LC209W
REVERSE			800T-LC210W
JOG			800T-LC212W
UP			800T-LC213W
DOWN			800T-LC214W
RAISE			800T-LC215W
LOWER			800T-LC216W

Text	Cap Color	Text Color	Cat. No.
IN	Black	White	800T-LC217W
OUT			800T-LC218W
HIGH			800T-LC219W
LOW			800T-LC220W
STOP / O			800T-LC222W
	White	Black	800T-LC501B
START			800T-LC503B
↑			800T-LC508B
START / I			800T-LC521B
O	Red	White	800T-LC602W
STOP			800T-LC604W
OFF			800T-LC606W
STOP / O	Blue	White	800T-LC622W
RESET			800T-LC707W
R			800T-LC711W

Note: Package Qty. = 1

800 T - A 103W A

a b c d e

a

Protection Rating	
Code	Description
T	Metal, Type 4/13
H	Plastic, Type 4/4X/13

b

Finger-Safe Guards	
Code	Description
Blank	No guards
C	Guards on terminals

c

Operator Type		
800T Type 4/13	Description	800H Type 4/4X/13
Code		Code
A	Flush head	AR
B	Extended head	BR

d

Cap Text/Color			
Code	Text	Color	
		Cap	Text
101W		Green	White
103W	START		
105W	ON		
121W	START / I		
202W	O	Black	White
204W	STOP		
207W	RESET		
208W	↑		
209W	FORWARD		
210W	REVERSE		
212W	JOG		
213W	UP		
214W	DOWN		
215W	RAISE		
216W	LOWER		
217W	IN		
218W	OUT		
219W	HIGH		
220W	LOW		
222W	STOP / O		
501B		White	Black
503B	START		
508B	↑		
521B	START / I		
602W	O	Red	White
604W	STOP		
606W	OFF		
622W	STOP / O		
707W	RESET	Blue	White
711W	R		

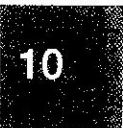
e

Contact Block(s)	
Code	Description
Blank	No contacts
Standard	
D1	1 N.O.
D2	1 N.C.
D3	1 N.O.E.M.
D4	1 N.C.L.B.
D5	1 N.O. (Mini)
D6	1 N.C. (Mini)
A1	1 N.C.L.B. - 1 N.O.
A2	2 N.O.†
A4	2 N.C.
A7	1 N.C.L.B. - 1 N.C.
A	1 N.O. - 1 N.C.
B	2 N.O. - 2 N.C.
Class 1, Div. 2/Zone 2	
Sealed Switch	
D1P	1 N.O.
D2P	1 N.C.
AP	1 N.O. - 1 N.C.
BP	2 N.O. - 2 N.C.
Stackable Sealed Switch	
D1Y	1 N.O.
D2Y	1 N.C.
A2Y	2 N.O.
A4Y	2 N.C.
AY	1 N.O. - 1 N.C.
BY	2 N.O. - 2 N.C.

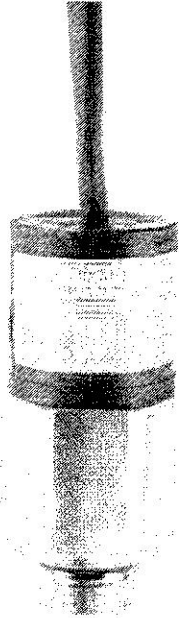
e (cont'd)

Contact Block(s)	
Code	Description
PenTUFF (Low Voltage)	
D1V	1 N.O.
D2V	1 N.C.
D3V	1 N.O.E.M.
D4V	1 N.C.L.B.
AV	1 N.O. - 1 N.C.
BV	2 N.O. - 2 N.C.
Time Delay	
T	1 N.O. Depress close, delayed opening
S	1 N.O. Depress open, delayed closure
Snap Action	
M	1 N.O. - 1 N.C.
N	2 N.O. - 2 N.C.
Class 1, Div. 2/Zone 2	
Logic Reed	
D1R	1 N.O.
D2R	1 N.C.
A2R	2 N.O.†
A4R	2 N.C.
AR	1 N.O. - 1 N.C.
BR	2 N.O. - 2 N.C.

† A2 and A2R contact blocks cannot be stacked upon, but can stack upon other contact blocks.



*Fixed Setpoint Design
Extreme Environments*



DESCRIPTION

The Model 744-S Fixed Setting Pressure Switch is a piston-operated, factory set, miniature design. It's ideal for use where installation space is limited and in tough environments where oil, fuel, water, dust, vibration, and shock exist.

The Model 744-S has been applied in thousands of applications where its unique design, rugged construction, and high-over pressure capability has proven its long-term reliability. Standard electrical and pressure port configurations are listed below. Please consult factory for custom designs.

FEATURES

- High Over-pressure Capability
- High-strength Stainless Steel Construction
- Integral Pressure Port Snubbing
- Wide Media Compatibility Range
- High Shock & Vibration Survivability
- Wide Operating Temperature Range
- Custom Configuration
- UL Listed
- NEMA Type 4 Rating

APPLICATIONS

- Off Road Equipment
- Industrial OEM Equipment
- Train Braking Systems
- Compactors
- Compressors

STANDARD SPECIFICATIONS

Pressure Connection	Electrical	Electrical Connection	Seal Materials	Materials	Temperature Range	Shipping Weight
1/4"-18 NPT	Snap-action Electrical Switch Listed by UL and CSA	Lead Wire Connectors	Nitrile (Buna-N) "O"- Ring	Hydraulic Module Housing 303 Stainless Steel	-40°F to + 250°F	Approximately 3 oz
1/8"-27 NPT		Single Pole Single Throw (SPST) or Double Throw (SPDT)	Fluorocarbon		-40°C to + 120°C	
9/16"-18 UNJF-3A	At 28 VDC: 7 Amps Resistive; 4 Amps Inductive; 2 1/2 Amps Lamp	Normally Open (NO), Normally Closed (NC)	Ethylene Propylene	Electric Module Housing Polyphenylene Sulfide (PPS)	(Temperature Limits Change with "O"- Ring Seal Material Selection)	
Options Available	Gold Contact Switches available for dry circuit applications	Options Available				

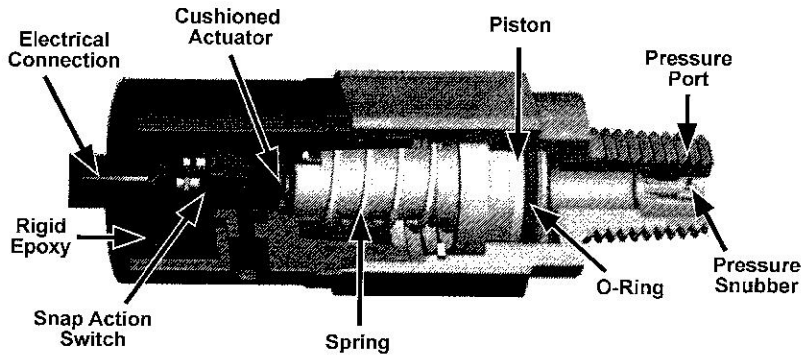
OPERATING PRESSURE DATA

Series	Range Indicator	Pressure Range		Dead Band*		Max System Pressure		Proof Pressure	
		PSIG	BAR	PSIG	BAR	PSIG	BAR	PSIG	BAR
744	1	8 - 125	0.55 - 8.62	4 / 14	0.28 / 0.97	1500	103	2250	153
744	6	50 - 275	3.45 - 18.96	10 / 27	0.69 / 1.86	2400	165	3500	241
744	2	75 - 500	5.17 - 34.47	15 / 45	1.03 / 3.10	3000	207	4500	310
744	7	130 - 1000	8.96 - 68.95	20 / 95	1.38 / 6.55	3000	207	8000	552
744	3	300 - 1500	20.68 - 103.42	45 / 130	3.10 / 8.96	4500	310	6800	469
744	4	1250 - 3000	86.18 - 206.84	150 / 240	10.34 / 16.55	6500	448	10000	690
744	5	2500 - 6000	172.37 - 413.68	250 / 425	17.24 / 29.30	7500	517	12000	827

*Interpolate for intermediate pressures



BASIC PRINCIPLES OF DESIGN



ORDERING SEQUENCE

Series

- 744 - Set pressures between 8 and 6000 PSIG
- See Operating Pressure data table

Pressure Connection

- 6 - 9/16"-18 UNJF-3A (MS33656-E6)
- 2 - 1/4"-18 NPT (Male)
- Consult factory for metric and additional configurations

Pressure Range Number

- See Operating Pressure data table

Type

- S - Environmentally Sealed, Fixed Setting Pressure Switch

Electrical Connection

- 03 - SPDT - 3 Terminal Tabs with #8-32 "SEMS" Screws
- 28 - SPDT - Weather Pack Connector with 4" lead wires (socket)
- 33 - SPDT - 3 #18 AWG lead wires 10" long
- 37 - SPDT - Weather Pack connector with 4" lead wires (pin)
- Consult factory for additional electrical configurations

Set Pressure to be Held on

- R - Rising Pressure
- F - Falling Pressure

Set Pressure

- Specify factory set pressure in 4-place PSIG (Example: 0060 for 60 PSIG)

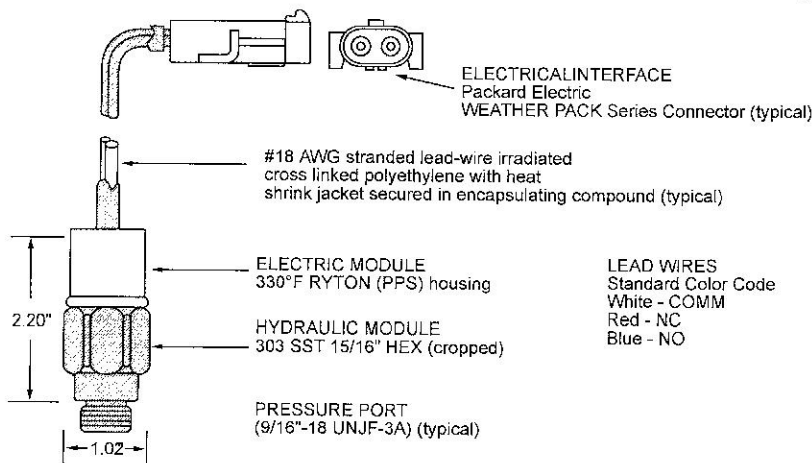
Seal Materials

- T - Nitrile (BUNA-N) - Standard
- V - Fluorocarbon
- E - Ethylene Propylene
- Consult factory for other available materials

Special Items

- Wire, cable, and cable length
- Pressure connection
- Seal materials
- Weather-proof connectors
- Gold electrical contacts for low current applications
- Consult rep or factory for special items and configurations

ENVELOPE DIMENSIONS



*All dimensions are reference

ORDERING PROCEDURE

Series Number	Pressure Port	Range Indicator	Pressure Switch Type	Electrical Connector	Set Pressure Held On	Set Pressure	Seal Material
744.	6	6	S	03	F	0060	T
	6 = 9/16"-18 UNJF-3A	6 = 50-275 PSIG	S = Environmentally Sealed	03 = SPDT - 3 Terminal Tabs	F = Falling Pressure	60 PSIG	T-Nitrile (Buna)

*Insert available option number or letter as required

Example: 744.66-S03F-0060T

Fire Chief's Report DRAFT, 12 August, 2015, by Ted Williams

• Incident Log

- In the intervening period between the Albion-Little River Fire Protection District regular meetings held Wednesday, July 15th and today, August 12th, we were dispatched and responded to eighteen incidents consisting of 14 medical aids, 1 electrical hazard, 1 structure fire, 2 traffic collisions.
- **2015007390 07/15/2015 0854**
 - MEDICAL, BRAVO; 100 N HWY 1 / 100 HWY 128 ,ALBION
 - Debbi Wolfe
 - Steve Wolfe
 - Marshall Brown (8130)
 - Ted Williams (8130)
 - Andrea Pennebaker (8130)
 - Michael Rees (8131)
 - Ben Jackson
 - On Scene 0841
 - Available 0956
- **2015007421 07/15/2015 1945**
 - MEDICAL BRAVO; 30701 MIDDLE RIDGE RD, ALBION
 - Medical alert alarm--FALSE ALARM, UTL INDIVIDUAL
 - Ted Williams
 - Marshall Brown (8130)
 - Ben Jackson (8130)
 - Craig Hathaway
 - On Scene 1955
 - Available 2008
- **2015007423 07/15/2015 2016**
 - MEDICAL/TRAFFIC COLLISION; 5486 N. HWY 1/34898 FROG POND RD, LR
 - UTL
 - Ted Williams (8130)
 - Craig Hathaway (8130)
 - Steve Wolfe (8130)
 - Marshall Brown (8171)
 - Ben Jackson (8171)
 - Jaime Placido
 - John Crowningshield (8132)
 - Kevin Spring (8132)
 - Tony Oakley (8132)
 - Michael Rees (8131)
 - Available 2031
- **2015007589 07/19/2015 1432**
 - ELECTRICAL HAZARD; 32505 ALBION RIDGE RD, ALBION
 - Ted Williams
 - John Oakley (8171)
 - Citlali Calvillo
 - Craig Hathaway

- Jaime Placido (8170) cancelled
- Michael Rees (8131) cancelled
- On Scene 1438
- Available 1743
- **2015007678 07/21/2015 1126**
 - MEDICAL/TC; HWY 1 MP 46.92, LITTLE RIVER
 - Ted Williams (8130)
 - John Oakley
 - Michael Rees (8131)
 - Andrea Pennebaker
 - Citlali Calvillo
 - Ben Jackson (cancelled)
 - Steve Wolfe (cancelled)
 - Debbi Wolfe (cancelled)
 - Sam Levine (cancelled)
 - On Scene 1133
 - Available 1138
- **2015007705 07/22/2015 0836**
 - MEDICAL ALPHA; 32851 ALBION RIDGE RD # PUMP, ALBION
 - Andrea Pennebaker (8130)
 - Citlali Calvillo
 - On Scene 0907
 - Available 0927
- **2015007749 07/23/2015 1015**
 - MEDICAL ALPHA; AR NURSERY, 30250 ALBION RIDGE RD #C, ALBION
 - John Oakley
 - Andrea Pennebaker (8130)
 - Craig Hathaway
 - On Scene 1029
 - Available 1112
- **2015007789 07/24/2015 0409**
 - FIRE, RESIDENTIAL; 29751 ALBION RIDGE RD, ALBION
 - Ted Williams (8190)
 - John Oakley (8171)
 - John Crowningshield (8181)
 - Andrew Crowningshield (8190)
 - Jaime Placido (8132)
 - Michael Rees (8163)
 - Andrea Pennebaker
 - Citlali Calvillo
 - Ben Jackson
 - Steve Wolfe
 - Debbi Wolfe
 - Kevin Spring
 - Tony Oakley
 - MFD 8491 (4); 8430 (2); 8440 (2)

- CalFire 1156 (4); 1166 (4)
- On Scene 0428
- Available 1250
- **2015007819 07/25/2015 1102**
 - MEDICAL CHARLIE; 43701 LITTLE RIVER AIRPORT RD, LR
 - Ted Williams (8130)
 - Ben Jackson (8130)
 - John Crowningshield (8132)
 - Andrew Crowningshield (8132)
 - Jaime Placido
 - Kevin Spring
 - John Oakley
 - Citlali Calvillo
 - Serena Randolph
 - On Scene 1120
 - Available 1137
- **2015007865 07/26/2015 1803**
 - MEDICAL BRAVO 43300 LITTLE RIVER AIRPORT RD #46, LR
 - Sam Levine (IC, Med Gp)
 - Kevin Spring
 - Citlali Calvillo
 - John Oakley (8130)
 - Ted Williams cancelled
 - On Scene 1808
 - Available 1852
- **2015007961 07/29/2015 0944**
 - MEDICAL BRAVO 43300 LITTLE RIVER AIRPORT RD #104, LR
 - Sam Levine (Med Gp)
 - John Crowningshield (8132, IC)
 - Citlali Calvillo
 - Michael Rees (8131) cancelled
 - On Scene 1009
 - Available 1035
- **2015007972 07/29/2015 1441**
 - MEDICAL ALPHA; 3000 ALBION RIDGE B RD, ALBION
 - Ted Williams
 - John Oakley (8131)
 - Andrea Pennebaker
 - Debbi Wolfe
 - Steve Wolfe
 - On Scene 1450
 - Available 1552
- **2015008106 08/01/2015 1031**
 - MEDICAL BRAVO 43300 LITTLE RIVER AIRPORT RD #98, LR
 - Ted williams
 - Citlali Calvillo

- Kevin Spring (IC)
- Sam Levine (Med Gp)
- John Crowningshield cancelled
- Michael Rees cancelled
- Harolde Searles cancelled
- Michael Issel staged
- Steve Crowningshield cancelled
- On Scene1041
- Available 1113
- **2015008108 08/01/2015 1152**
 - MEDICAL DELTA, 32001 NAVARRO RIDGE ROAD, ALBION
 - Ted Williams
 - John Oakley (8171)
 - John Crowningshield
 - Steve Crowningshield
 - Andrea Pennebaker
 - Michael Rees (8131)
 - Ben Jackson
 - Jaime Placido
 - Citlali Calvillo
 - Harolde Searles
 - MCSO, CalFire 1156, CalStar 4, MCDH 9140
 - On Scene 1159
 - Available 1259
- **2015008289 08/05/2015 1311**
 - MEDICAL ALPHA 43300 LITTLE RIVER AIRPORT RD #49, LR
 - Sam Levine (IC, Med Gp)
 - Citlali Calvillo
 - John Oakley
 - Ted Williams
 - On Scene 1320
 - Available 1343
- **2015008291 08/05/2015 1500**
 - MEDICAL ALPHA 43300 LITTLE RIVER AIRPORT RD #49, LR
 - Sam Levine (IC, Med Gp)
 - Citlali Calvillo
 - John Oakley
 - Ted Williams
 - On Scene 1506
 - Available 1537
- **2015008481 08/11/2015 1359**
 - PA, AGENCY; HWY 1 MP 041.75
 - John Oakley 8162
 - Ted Williams 8131
 - Sam Levine
 - On Scene 1414

- Available 1426
- **2015008550 08/12/2015 0224**
 - MEDICAL, CHARLIE; 34000 ALBION ST ,ALBION (Pacific Union College)
 - John Oakley 8131
 - Marshall brown 8131
 - Ted Williams
 - Andrea Pennebaker
 - Jaime Placido
 - On Scene 0224
 - Available 0317
- **2015008556 08/12/2015 0642**
 - MEDICAL, CHARLIE; 32051 ALBION RIDGE RD ,ALBION
 - Marshall brown 8131
 - Andrea Pennebaker 8131
 - Jaime Placido
 - John Oakley
 - Ted Williams
 - On Scene 0651
 - Available 0733
- **Training Completed**
 - **07/14/2015 – MVFD Riggers – MVFD - Station 840 MVFD (3 Hours)**
 - Michael Rees.
 - **07/22/2015 – Wildland Drills – Rees – (2.5 Hours)**
 - Awaiting Data
 - **07/29/2015 – Technical Rope Rescue – Rees – (2.5 Hours)**
 - Awaiting Data
 - **08/01/2015 – Technical Rope Rescue Operations – Rees – (6 Hours)**
 - Awaiting Data
 - **Water trainings, pending report**
 - **08/05/2015 – Structure Fire Training – Williams – (2 Hours)**
 - *Objectives:*
 - *Learn the basic fundamentals of engineering on E8162.*
 - *Learn the basic fundamentals of operating the CAFS system on E8162.*
 - *Understand the operations behind the CAFS system on E8162.*
 - *Review the fundamentals hoses, nozzles, and appliances.*
 - Craig Hathaway, John Oakley, Serena Randolph, Ted Williams.
 - **08/08/2015 – Structure Fire Training – Williams – (2 Hours)**
 - *Objectives:*
 - *Learn the basic fundamentals of engineering on E8162.*
 - *Learn the basic fundamentals of operating the CAFS system on E8162.*
 - *Understand the operations behind the CAFS system on E8162.*
 - *Review the fundamentals hoses, nozzles, and appliances.*
 - Ben Jackson, John Oakley, Marshall Brown, Ted Williams.
- **Upcoming Trainings:**
 - published to calendar at albionfire.com
- **Development**

- Chief updated DUNS account and registered with SAM.gov. CAL FIRE grant application is pending. We expect to hear outcome in approximately one month.
- Chief provided information to Bruce Baracco / LAFCO. A draft Municipal Service Review is available and has been provided to the board for corrections. This report will be presented to the county Board of Supervisors, likely at a September meeting.
- Chief met with Chris Skyhawk, Ann Kyle Brown, Ronnie James, Esther Koch and Heather Paulsen to brainstorm next steps for grant writing. Station, engines and other needs were discussed to help steer the effort.
- Chief updated www.albionfire.com with improved formatting and all available meeting records.
- Chief started working with fire department on using my.albionfire.com as central repository for documentation on equipment and operating procedures.
- Chief has asked board to budget for qualified incident counselor. We'd like to interview potential individuals, establish billing and provide contact details to firefighters to eliminate the barrier to seeking help post stressful incident.
- Portable restroom was delivered to station 811.
- Firefighter Sam Levine has offered assistance with augmentation of station 811. Board should review his offer and provide guidance.
- Chief requests board engagement in newly forming Mendocino County Fire District Association. Chief would like one or two board members to attend regular meetings. Initial focus will be on funding, including inspection of prop 172 fund allocation. Chief also sees this as a potential vehicle for group purchasing.
- A supply of foam will be necessary for the new CAFS system.
- Fire department recruitment banners will be posted within the coming month. Relocation out of district remains the common cause for resignations.
- Received notice from CalFire/USFS regarding federal loans. Green is a color reserved for federal fire apparatus. We must paint both 8170 and 8171.
- Chief ran through pump testing procedure at Fort Bragg Fire Highway 20 station with John Piasias (Mendocino Fire) and Eric Chisholm (CAL FIRE). In collaboration with Mendocino Fire, we plan to perform our own pump tests this year.
- We have started rolling out Minitor VI pagers to address failing units.
- **Equipment maintenance**
 - **Engine 8162**
 - Burton's Fire attempted to deliver engine 8162 to our station. The exhaust brake failed on HW128 near the town of Philo. Their two person crew opted to return to Modesto, leaving the vehicle at failure location. Fort Bragg Diesel came to location, disabled the exhaust brake and drove the engine to shop for further repairs. The exhaust brake was replaced. With the Engine back at station, we found the CAFS system would not turn on. No lights, no sound, no indication. Upon inspection of the upper panel, we found a blown fuse. In the lower panel we found several loose wires. Burton's was notified with photos and video. Ken Burton came on site, tightened the screws, replaced the fuse and was able to engage the compressor. Remaining concerns exist in regards to the hand off, documentation, and basic system resiliency (we are told flipping

a toggle switch off and back on could damage the system). Michael Issel will present a letter for board approval.

- **Rescue 8130**

- Power steering failed during an incident. Vehicle was towed to Fort Bragg Diesel. New power steering unit was installed. One battery was replaced under warranty. Upon final drive test, the new power steering unit failed. Gary at Fort Bragg Diesel cautions that Ford no longer supports this 1992 E350. We are using aftermarket parts. The board should consider replacing this vehicle.

- **Engine 8171**

- John Oakley repaired a faulty door.

- **Tender 8190**

- John Oakley installed a new sight tube.

- **Jetskis & Rescue Boat**

- John Oakley ran watercraft and verified systems.