

**WARNING**  
**NO SMOKING-STOP MOTOR**

IT IS UNLAWFUL AND DANGEROUS TO DISPENSE GASOLINE INTO UNAPPROVED CONTAINERS.

NO FILLING OF PORTABLE CONTAINERS IN OR ON A MOTOR VEHICLE OR TRAILER.

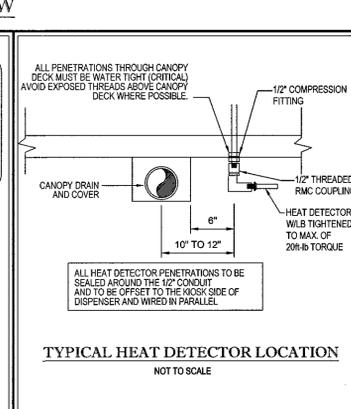
PLACE CONTAINER ON GROUND BEFORE FILLING.

**8 NO SMOKING-TURN-OFF ENGINE SIGN**  
NOT TO SCALE

**NOTES:**

DIMENSIONS 18" BY 28" WHITE BACKGROUND WITH RED MARKING

LETTERING SIZE AND ARRANGEMENT SHALL BE IN BLOCK LETTERS MIN. HEIGHT 2". AS SHOWN TO RIGHT.



**MISCELLANEOUS CHARTS**

**VEHICLE CAPACITY**

TYPE	FULL SERVE	SELF SERVE
FUELING	-	4
WAITING TO BE FUELED	-	2
TOTALS	-	6

TOTAL NUMBER OF DISPENSING UNITS: (2) GASOLINE AND DIESEL  
TOTAL NUMBER OF FUELING POSITIONS: (4) GASOLINE AND DIESEL

**U/G STORAGE TANKS**

TANK	CAPACITY	PRODUCT	TANK TYPE	INSTALL DATE
A	10,000 GAL	REG. GASOLINE	DWFG	PROPOSED
SPLIT TANK	5,000 GAL	REG. GASOLINE	DWFG	PROPOSED
B	10,000 GAL	REG. GASOLINE	DWFG	PROPOSED
SPLIT TANK	5,000 GAL	PREMIUM	DWFG	PROPOSED

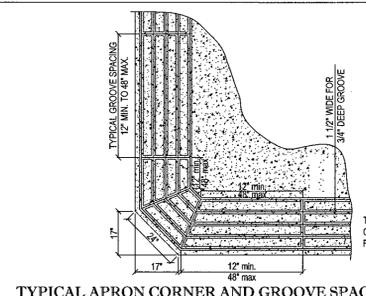
**CCTV CAMERAS**

LANE #	FULL/SERVE	SELF SERVE	FULL SERVE
LANE #12	-	2	-

**SITE SPECIFIC SYSTEM COMPONENT TABLE \***

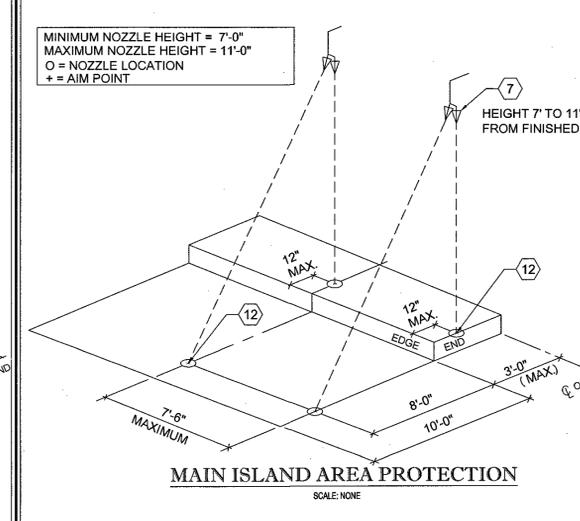
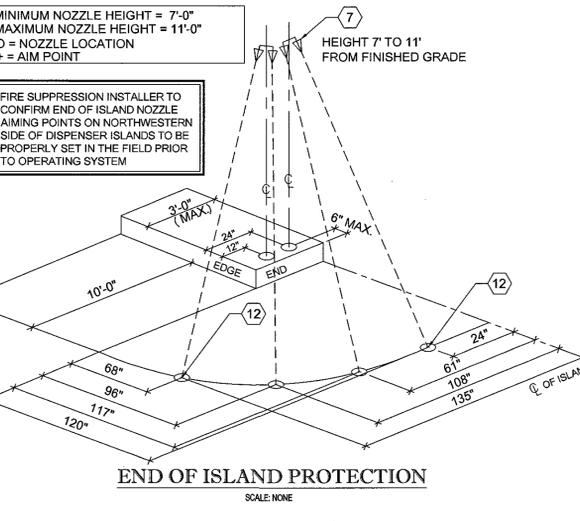
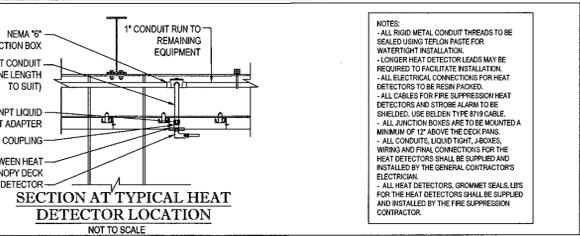
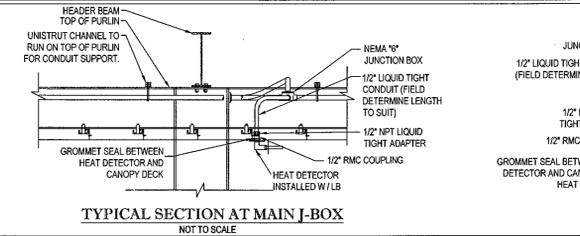
NUMBER OF SYSTEMS REQD	NUMBER OF NOZZLES REQD	NUMBER OF CYL. REQD	CYLINDER SIZE & QTY.
(1) 24'-6" LONG SYSTEM	(36) PER SYSTEM	(5) PER SYSTEM	ATD-35BC-1 ATD-75BC-4
(1) TOTAL SYSTEMS	(36) TOTAL NOZZLES	(5) TOTAL CYLINDERS	ATD-35BC-1 ATD-75BC-4

\*INCLUDES MAIN AND END OF ISLAND PROTECTION.



**15 POSITIVE LIMITING BARRIER SAWCUTS AND PATTERNS**  
NOT TO SCALE

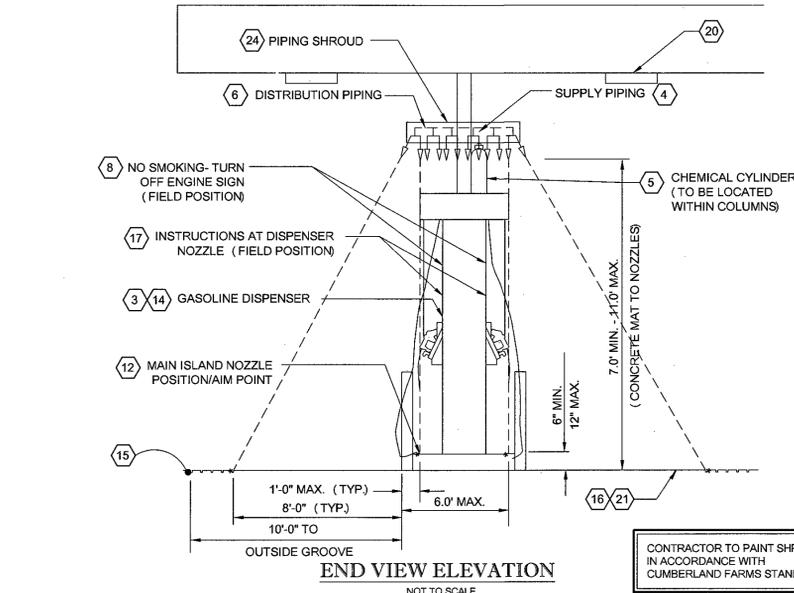
**POSITIVE LIMITING BARRIER NOTE:**  
CONTRACTOR TO VERIFY LOCATION OF POSITIVE LIMITING BARRIER WITH CUMBERLAND FARMS PRIOR TO INSTALLATION.



**SPECIAL NOTE:**  
IN THE EVENT OF A CONFLICT BETWEEN THIS DRAWING AND THE UL LISTED PYRO-CHEM INC. "THE ATTENDANT" TECHNICAL MANUAL, THE TECHNICAL MANUAL SHALL GOVERN.  
**NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICT**

**SPECIAL INSTALLATION NOTES:**

- DO NOT PAINT THE HEAT SENSORS.
- PITCH ELECTRICAL CONDUIT AWAY FROM THE ELECTRICAL JUNCTION BOXES.
- ALL CONDUIT RUNS AND JUNCTION BOXES ARE TO BE SECURED TO THE TOP OF THE PURLINS AS DETAILED ON THIS DRAWING.
- ALL RIGID METAL CONDUIT THREADS TO BE SEALED USING TEFLON PASTE FOR WATER TIGHT INSTALLATION.



- 150' HIGH TEMP. AUTOMATIC THERMOSTAT INSTALLED ON 15 FOOT MAXIMUM CENTERS INTERCONNECTED TO FIRE SUPPRESSION SYSTEM. CENTER OF EACH ISLAND ABOVE DISPENSERS.
- CCTV CAMERA MOUNTED TO CANOPY COLUMN AT ISLAND WITH CCTV MONITOR(S) LOCATED NEAR CASH REGISTER AT THE TRANSACTION AREA WITHIN THE BUILDING. CCTV MONITORS SHALL DISPLAY ALL CAMERA ANGLES SIMULTANEOUSLY ON THE SCREEN WITH A MINIMUM PICTURE FRAME OF 5 INCHES BY 6.5 INCHES PER CAMERA.
- INTERCOM SPEAKERS AT EACH DISPENSER WITH MASTER CONTROL LOCATED AT CENTRAL CONTROL AREA.
- OVERHEAD FIRE SUPPRESSION PIPING (SUPPLY).
- DRY CHEMICAL CYLINDERS AS REQUIRED BY MANUFACTURER OF SUPPRESSION SYSTEM WITH REFERENCE TO UL APPROVED INSTALLATION AND MAINTENANCE MANUAL.
- OVERHEAD FIRE SUPPRESSION PIPING (DISTRIBUTION).
- NOZZLE.
- NO SMOKING AND TURN OFF ENGINE SIGN.
- GASOLINE DISPENSER CONTROL CONSOLE EQUIPMENT WITH COMPLETE EQUIPMENT SHUTDOWN EMERGENCY MODE UL APPROVED.
- HAND OPERATED 40 BC HIGH FLOW FIRE EXTINGUISHER.
- CONTROL CENTER.
- FIRE SUPPRESSION STRIKE POINT - FOR END OF ISLAND NOZZLE AIM POINTS REFER TO THE UL LISTED PYRO-CHEM, INC. "THE ATTENDANT" TECHNICAL MANUAL.
- SUPPORT COLUMN.
- GASOLINE OR DIESEL DISPENSER UL APPROVED WITH AUTOMATIC CREDIT CARD READING DEVICE.
- POSITIVE LIMITING BARRIER AROUND PERIMETER OF SELF-SERVE GASOLINE DISPENSING AREA.
- SELF-SERVE GASOLINE DISPENSING AREA.
- APPROPRIATE INSTRUCTIONS FOR USE AT EACH SELF-SERVE DISPENSING NOZZLE.
- TRAFFIC FLOW ARROWS.
- SAFETY BARRICADE.
- LIGHTING WITHIN SELF-SERVE DISPENSING AREA.
- CONCRETE MAT SURROUNDING THE DISPENSING AREA SHALL BE MADE AS LEVEL AS POSSIBLE.
- FACILITY.
- MANUAL RELEASE LOCATED IN CONTROL CENTER CONVENIENT TO ATTENDANT. REMOTE RELEASE ENGINEERED BY FACTORY, INSTALLED BY AUTHORIZED FIRE SUPPRESSION CONTRACTOR.

**NOTES**

NOTES TAKEN FROM MAINE DEPARTMENT OF PUBLIC SAFETY CHAPTER 34 "SPECIAL REGULATIONS FOR ATTENDED SELF-SERVICE GASOLINE FACILITIES" PAGE 3 & 4.

- NO ONE SHALL CONSTRUCT, RECONSTRUCT, CONVERT OR ALTER ANY SERVICE STATION TO PROVIDE ATTENDED SELF-SERVICE GASOLINE DISPENSING WITHOUT FIRST NOTIFYING THE OFFICE OF THE STATE FIRE MARSHAL IN WRITING OF THE TYPE AND ADDRESS OF THE FACILITY.
- EVERY GASOLINE SERVICE STATION SHALL BE UNDER THE DIRECT CONTROL OF THE OWNER, OPERATOR OR DULY AUTHORIZED EMPLOYEE WHO SHALL BE ON DUTY AT ALL TIMES THAT GASOLINE IS BEING SOLD OR DISPENSED.
- EACH FACILITY SHALL BE EQUIPPED WITH A FIXED FIRE EXTINGUISHING SYSTEM INSTALLED IN ACCORDANCE WITH NFPA 90A, CODE FOR MOTOR DISPENSING FACILITIES AND REPAIR GARAGES, 2008 EDITION. THE SYSTEM SHALL PROVIDE PROTECTION FOR ALL PUMPS IN THE DISPENSING AREA. EACH EXTINGUISHER HEAD SHALL BE INSTALLED IN SUCH A MANNER THAT AN ACCUMULATION OF ICE OR SNOW WILL NOT ADVERSELY AFFECT THE PROPER FUNCTIONING OF THE SYSTEM.
- THE NUMBER OF NOZZLES CAPABLE OF SIMULTANEOUS OPERATION MAY NOT EXCEED SIXTEEN NOZZLES PER OPERATOR ON DUTY IN ISLANDS OPEN TO USE, AND NO MORE THAN EIGHT NOZZLES MAY BE IN USE AT ONE TIME.
- THE CONTROLLING MECHANISM CONSOLE AND ITS RELATED EQUIPMENT ARE TO BE LISTED BY UNDERWRITERS LABORATORIES.
- IN ADDITION TO THE REQUIRED OPERATING INSTRUCTIONS SET FORTH IN NFPA 90A, SIGNAGE SHALL INCLUDE A REQUIREMENT THAT THE USER STAY IN VIEW OF THE FUELING NOZZLE DURING DISPENSING.
- THE CONTROLLING CONSOLE PROVIDING POWER TO THE PUMP MOTOR MUST BE MONITORED BY THE OWNER, OPERATOR OR DULY AUTHORIZED EMPLOYEE AT ALL TIMES WITH GASOLINE BEING DISPENSED AND PROPERLY PROTECTED AGAINST PHYSICAL DAMAGE FROM MOTOR VEHICLES.
- THERE SHALL BE CONSTANT CONTACT BY THE CONTROL CONSOLE OPERATOR AND THE PUMP ISLAND BY MEANS OF INTER-COMMUNICATION SYSTEM THAT SHALL BE MAINTAINED IN PROPER OPERATING CONDITIONS.
- THE CONTROL CONSOLE OPERATOR MUST OBSERVE THE FILLING OPERATION OF EACH VEHICLE. MIRRORS ARE NOT ACCEPTABLE AS PROVIDING ADEQUATE VISUAL CONTROL.
- THE PRIMARY FIRE DEPARTMENT HAVING JURISDICTION OR PROVIDING MUTUAL AID IN THE AREA IN THE AREA IN WHICH A PROPOSED SELF-SERVICE STATION IS TO BE LOCATED SHALL BE INFORMED OF SUCH PROPOSAL AND THE REQUIREMENTS OF ALL LOCAL ORDINANCE MUST BE MET.
- THE OPERATIONS PERMIT MUST BE POSTED IN THE PLAIN VIEW OF THE PUBLIC, UNOBSERVED, AT THE SITE.
- AN AUTOMATIC CLOSING TYPE HOSE NOZZLE VALVE LISTED WITH UNITED LABORATORIES (OR OTHER RECOGNIZED AGENCY APPLYING AN EQUIVALENT TEST) WITH LATCH-OFF DEVICE MAY BE INSTALLED.
- THE OWNER OR OPERATOR OF ANY ATTENDED SELF-SERVICE FACILITY EXISTING PRIOR TO THE DATE OF THIS RULE MUST NOTIFY THE OFFICE OF THE STATE FIRE MARSHAL IN WRITING OF BY JULY 1, 2008.

I, \_\_\_\_\_ CHIEF OF DEPARTMENT OR HIS DESIGNEE, HAVE REVIEWED THE ATTACHED INFORMATION AND HAVE ACKNOWLEDGMENT OF:

CITY/TOWN: \_\_\_\_\_

DATE: \_\_\_\_\_

**BOHLER ENGINEERING**

SITE CIVIL AND CONSULTING ENGINEERING  
LAND SURVEYING PROGRAM MANAGEMENT LANDSCAPE ARCHITECTURE  
SUSTAINABLE DESIGN PERMITTING SERVICES TRANSPORTATION SERVICES

NEW ENGLAND OFFICE: 03031  
NEW HAMPSHIRE: 03031  
NEW JERSEY: 07031  
NEW YORK: 10031  
PENNSYLVANIA: 19131  
RHODE ISLAND: 02903  
VIRGINIA: 22131

08/17/17

**REVISIONS**

REV	DATE	COMMENT	BY
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**PERMIT PLAN**

PROJECT NO: W041623  
DRAWN BY: BLC  
CHECKED BY: SJM/LMD  
DATE: 05/22/17  
SCALE: AS NOTED  
CAD I.D.: PORTLAND ISD

**FIRE SUPPRESSION PLAN**  
FOR  
**CUMBERLAND FARMS**  
(NEW SITE)

1136 FOREST AVE  
CITY OF PORTLAND  
CUMBERLAND COUNTY  
MAINE

**BOHLER ENGINEERING**

352 TURNPIKE ROAD  
SOUTHBOROUGH, MA 01772  
Phone: (508) 480-9600  
Fax: (508) 480-9090  
www.BohlerEngineering.com

**W.D. GOEBEL**

STATE OF MAINE  
LICENSED PROFESSIONAL ENGINEER  
No. 9490  
EXPIRES 12/31/2018

**GENERAL NOTES:**

- THE ELECTRICAL THERMOSTAT DETECTORS SHALL BE MOUNTED ON THE CANOPY'S UNDERSURFACE, PROVIDED THE HEIGHT DOES NOT EXCEED 15 FEET ABOVE THE CONCRETE MAT OR ON THE UNDERSIDE OF AN 18"x18"x2" HEAT COLLECTOR AND NO HIGHER THAN THE NOZZLES.
- IN THE EVENT THAT A CANOPY SUPPORT BEAM INTERFERES WITH INSTALLING THE HEAT DETECTOR ALONG THE CENTER OF THE ISLAND, THEN THE DETECTORS MAY BE OFFSET NO MORE THAN 12" TO CLEAR THE BEAM. IF THE BEAM EXTENDS BELOW THE FLAT CANOPY DECK, THEN AN ADDITIONAL DETECTOR MAY BE ADDED AT EACH AFFECTED LOCATION (A DETECTOR ON EACH SIDE OF THE PROTRUDING BEAM).
- NOZZLE AND HOSE FROM EACH PETROLEUM PRODUCT DISPENSER SHALL NOT EXTEND BEYOND POSITIVE LIMITING BARRIER AND NO PETROLEUM PRODUCT SHALL BE DISPENSED BEYOND POSITIVE LIMITING BARRIER.

SHEET TITLE:  
**PYRO-CHEM, INC. "THE ATTENDANT" GASOLINE FIRE SUPPRESSION SYSTEM**

SHEET NUMBER:  
**CFG11.0**

REV 0 - 05/22/2017

