

**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.

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

**NOTES:**

DIMENSIONS 18" BY 28" WHITE BACKGROUND WITH RED MASKING

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

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**TYPICAL HEAT DETECTOR LOCATION**  
NOT TO SCALE

ALL PENETRATIONS THROUGH CANOPY DECK MUST BE WATER TIGHT (OPTICAL) AVOID EXPOSED THREADS ABOVE CANOPY DECK WHERE POSSIBLE.

12" COMPRESSION FITTING

12" TIGHTENED TO MAX. OF 20-ft TORQUE

HEAT DETECTOR

ALL HEAT DETECTOR PENETRATIONS TO BE SEALED AROUND THE 1/2" CONDUIT AND TO BE OFFSET TO THE RISKY SIDE OF DISPENSER AND WIRED IN PARALLEL.

**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     |
| TANK | 5,000 GAL  | REG. GASOLINE | DWFG      | PROPOSED     |
| B    | 10,000 GAL | REG. GASOLINE | DWFG      | PROPOSED     |
| TANK | 5,000 GAL  | PREMIUM       | DWFG      | PROPOSED     |

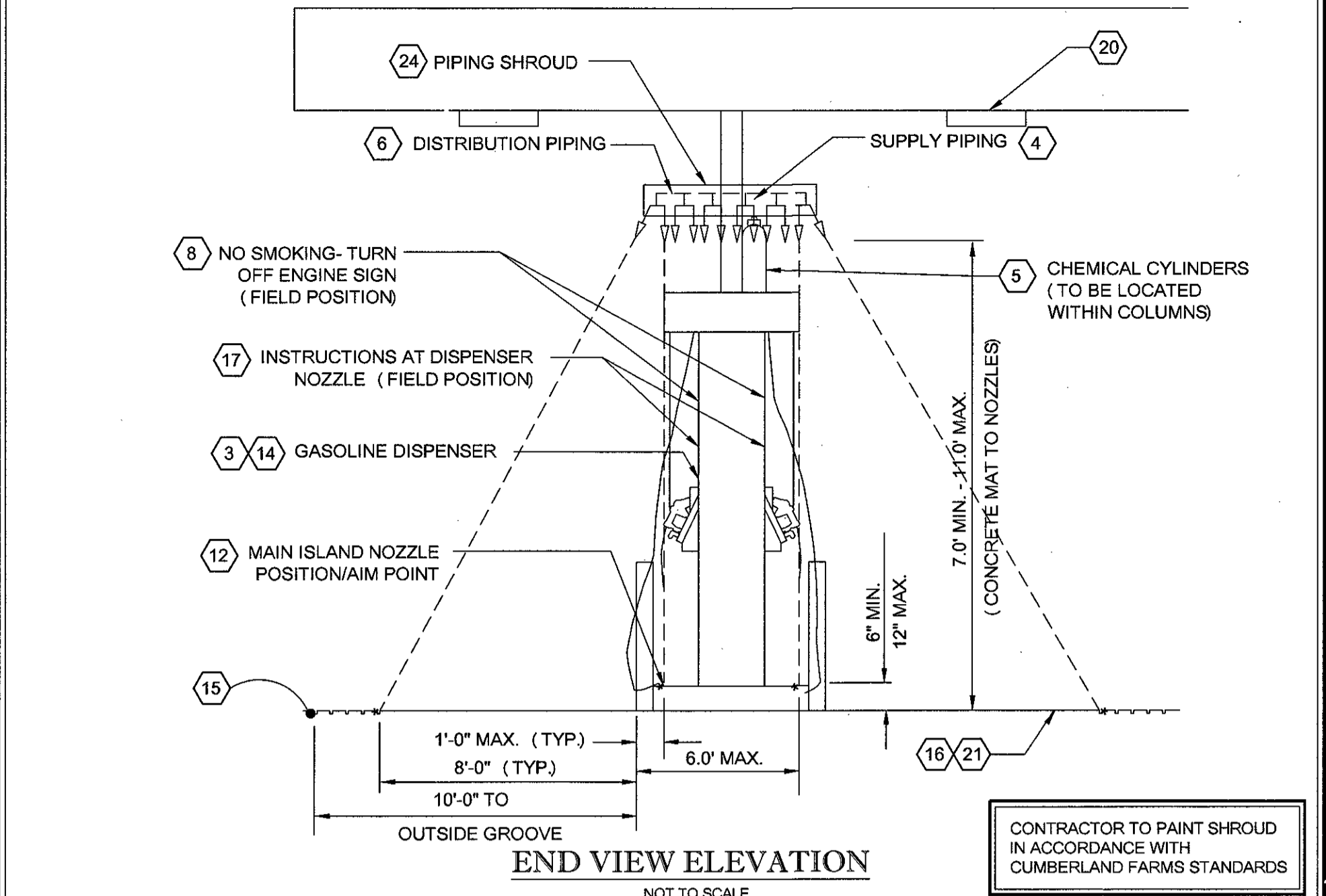
**CCTV CAMERAS**

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

**SITE SPECIFIC SYSTEM COMPONENT TABLE \***

| NUMBER OF SYSTEMS REQ'D | NUMBER OF NOZZLES REQ'D | NUMBER OF CYL. REQ'D | CYLINDER SIZE & QTY.     |
|-------------------------|-------------------------|----------------------|--------------------------|
| (1) 24'-6" LONG SYSTEM  | (36) PER SYSTEM         | (5) PER SYSTEM       | ATD-35BC+1<br>ATD-75BC+4 |
| (1) TOTAL SYSTEMS       | (36) TOTAL NOZZLES      | (5) TOTAL CYLINDERS  | ATD-35BC+1<br>ATD-75BC+4 |

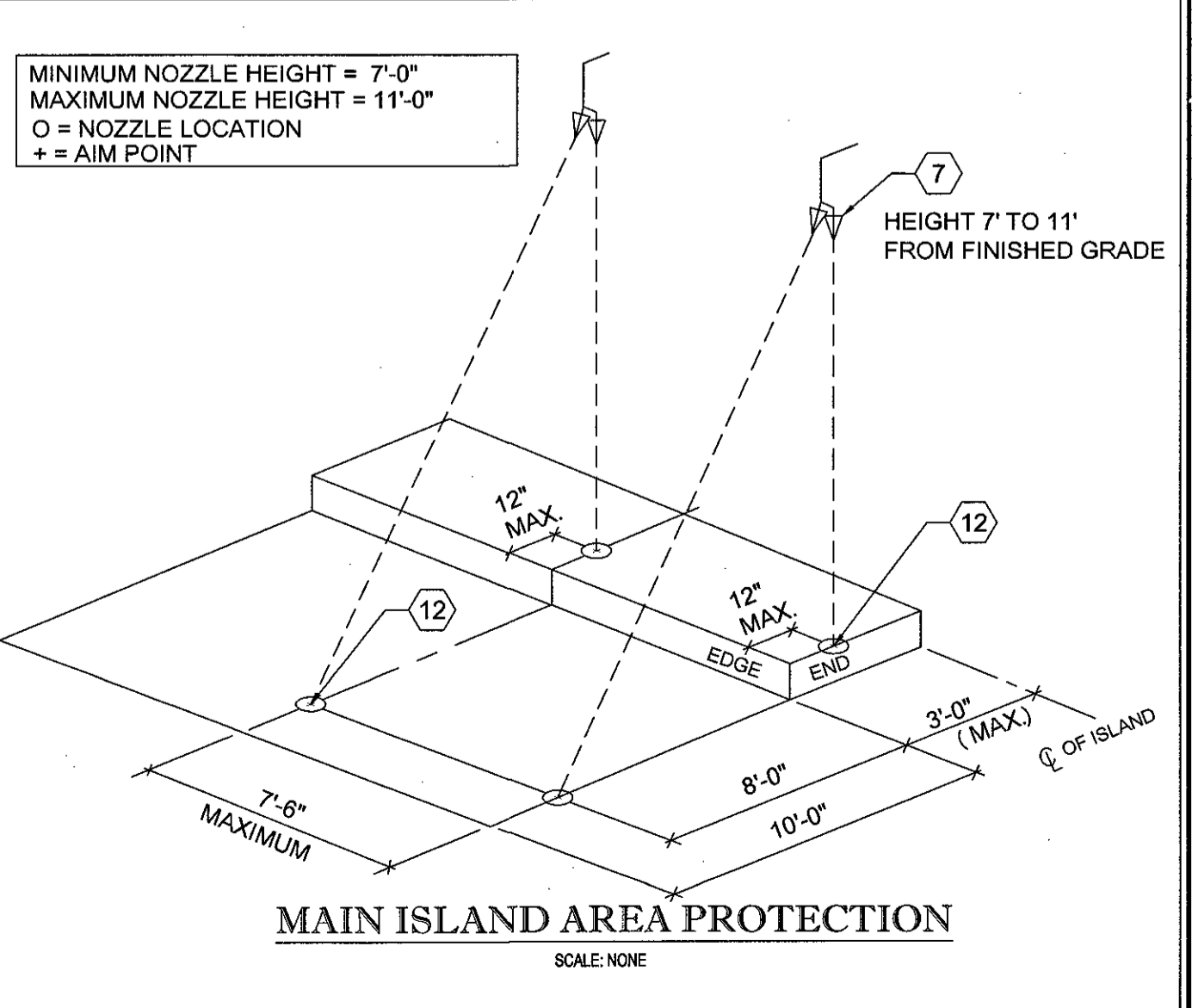
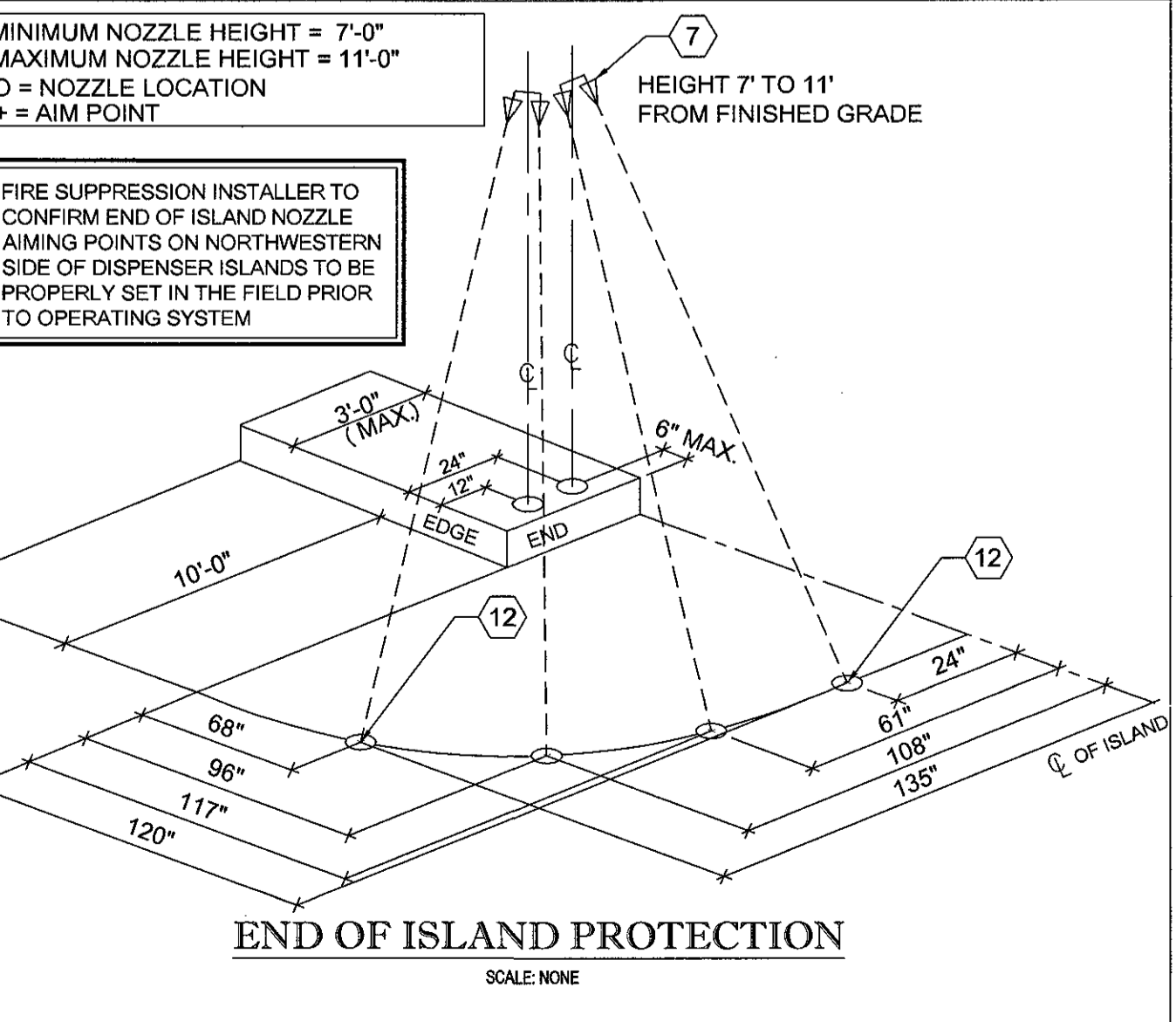
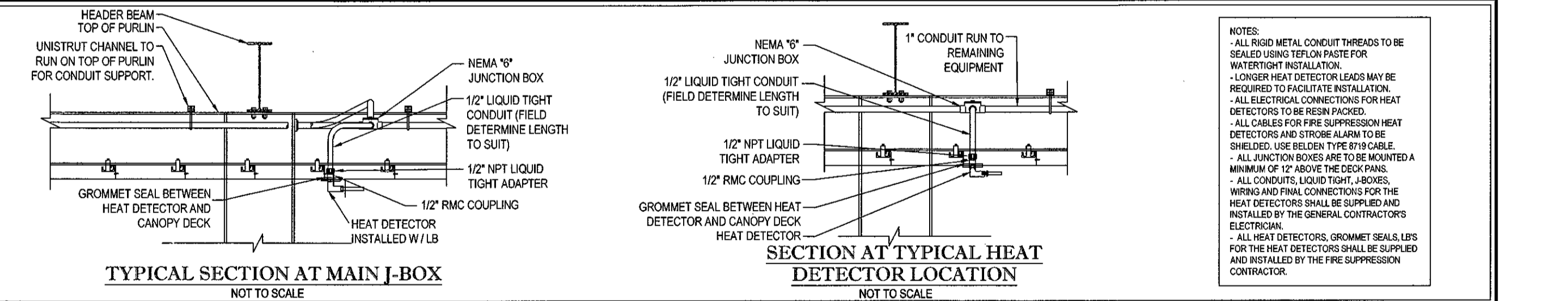
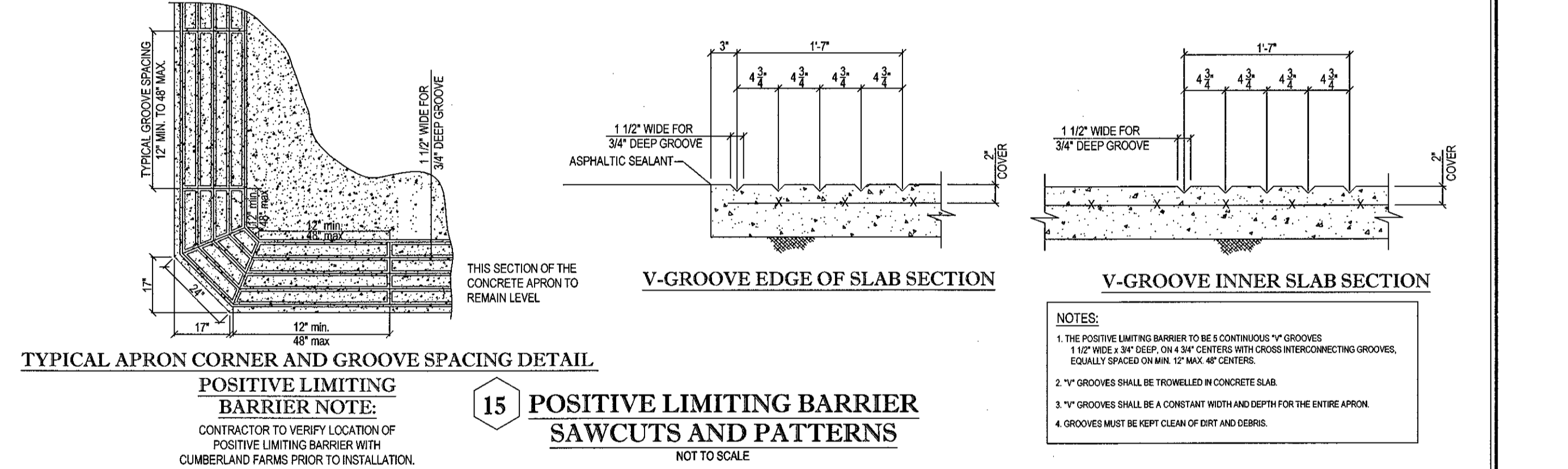
\*INCLUDES MAIN AND END OF ISLAND PROTECTION.



**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 WATERTIGHT INSTALLATION.



1. 190' HIGH TEMP. AUTOMATIC THERMOSTAT INSTALLED ON 15 FOOT MAXIMUM CENTERS INTERCONNECTED TO FIRE SUPPRESSION SYSTEM CENTER OF EACH ISLAND ABOVE DISPENSERS.
2. 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.
3. INTERCOM SPEAKERS AT EACH DISPENSER WITH MASTER CONTROL LOCATED AT CENTRAL CONTROL AREA.
4. OVERHEAD FIRE SUPPRESSION PIPING (SUPPLY).
5. DRY CHEMICAL CYLINDERS AS REQUIRED BY MANUFACTURER OF SUPPRESSION SYSTEM WITH REFERENCE TO UL APPROVED INSTALLATION AND MAINTENANCE MANUAL.
6. OVERHEAD FIRE SUPPRESSION PIPING (DISTRIBUTION).
7. NOZZLE.
8. NO SMOKING AND TURN OFF ENGINE SIGN.
9. GASOLINE DISPENSER CONTROL CONSOLE EQUIPMENT WITH COMPLETE EQUIPMENT SHUTDOWN EMERGENCY MODE UL APPROVED.
10. HAND OPERATED 40 BC HIGH FLOW FIRE EXTINGUISHER.
11. CONTROL CENTER.
12. FIRE SUPPRESSION STRIKE POINT - FOR END OF ISLAND NOZZLE AIM POINTS REFER TO THE UL LISTED PYRO-CHEM, INC. "THE ATTENDANT" TECHNICAL MANUAL.
13. SUPPORT COLUMN.
14. GASOLINE OR DIESEL DISPENSER UL APPROVED WITH AUTOMATIC CREDIT CARD READING DEVICE.
15. POSITIVE LIMITING BARRIER AROUND PERIMETER OF SELF SERVE GASOLINE DISPENSING AREA.
16. SELF SERVE GASOLINE DISPENSING AREA.
17. APPROPRIATE INSTRUCTIONS FOR USE AT EACH SELF-SERVE DISPENSING NOZZLE.
18. TRAFFIC FLOW ARROWS.
19. SAFETY BARRICADE.
20. LIGHTING WITHIN SELF SERVE DISPENSING AREA.
21. CONCRETE MAT SURROUNDING THE DISPENSING AREA SHALL BE MADE AS LEVEL AS POSSIBLE.
22. FACILITY.
23. 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.

1. 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.
2. 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.
3. EACH FACILITY SHALL BE EQUIPPED WITH A FIXED FIRE EXTINGUISHING SYSTEM INSTALLED IN ACCORDANCE WITH NFPA 30A, 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.
4. 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.
5. THE CONTROLLING MECHANISM CONSOLE AND ITS RELATED EQUIPMENT ARE TO BE LISTED BY UNDERWRITERS LABORATORIES.
6. IN ADDITION TO THE REQUIRED OPERATING INSTRUCTIONS SET FORTH IN NFPA 30A, SIGNAGE SHALL INCLUDE A REQUIREMENT THAT THE USER STAY IN VIEW OF THE FUELING NOZZLE DURING DISPENSING.
7. 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 IS BEING DISPENSED AND PROPERLY PROTECTED AGAINST PHYSICAL DAMAGE FROM MOTOR VEHICLES.
8. 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.
9. THE CONTROL CONSOLE OPERATOR MUST OBSERVE THE FILLING OPERATION OF EACH VEHICLE. MIRRORS ARE NOT ACCEPTABLE AS PROVIDING ADEQUATE VISUAL CONTROL.
10. THE PRIMARY FIRE DEPARTMENT HAVING JURISDICTION OR PROVIDING MUTUAL AID IN THE AREA IN THE AREA IN WHICH A SELF-SERVICE STATION IS TO BE LOCATED SHALL BE INFORMED OF SUCH PROPOSAL AND THE REQUIREMENTS OF ALL LOCAL ORDINANCE MUST BE MET.
11. THE OPERATIONS PERMIT MUST BE POSTED IN THE PLAIN VIEW OF THE PUBLIC, UNOBSTRUCTED, AT THE SITE.
12. AN AUTOMATIC CLOSING TYPE HOSE NOZZLE VALVE LISTED WITH UNIFIED LABORATORIES OR OTHER RECOGNIZED AGENCY APPLYING AN EQUIVALENT TEST WITH LATCH-OFF DEVICE MAY BE INSTALLED.
13. 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, 2006.

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  
SUSTAINABLE DESIGN PERMITTING SERVICES

LANDSCAPE ARCHITECTURE  
TRANSPORTATION SERVICES  
GENERAL CONTRACTING  
CONSTRUCTION MANAGEMENT

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VERMONT  
MAINE  
NEW ENGLAND  
NEW YORK  
NEW JERSEY  
SOUTH CAROLINA  
SOUTH DAKOTA  
TAMPA, FL, NC  
BALTIMORE, MD  
SOUTHERN MARYLAND

**REVISIONS**

| REV | DATE | COMMENT | BY |
|-----|------|---------|----|
| 1   |      |         |    |
| 2   |      |         |    |
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| 14  |      |         |    |
| 15  |      |         |    |

**PERMIT PLAN**

PROJECT No.: W041923  
DRAWN BY: BLC  
CHECKED BY: SJM/LMD  
DATE: 05/22/17  
SCALE: AS NOTED  
CAD I.D.: PORTLAND 150

**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) 480-9900  
Fax: (508) 480-9090  
[www.BohlerEngineering.com](http://www.BohlerEngineering.com)

**W.D. GOEBEL**

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

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

SHEET NUMBER:  
**CFG11.0**

REV 0 - 05/22/2017

