



PACHECO ROSS ARCHITECTS, P.C.

EMERGENCY RESPONSE FACILITIES

DAVID J. PACHECO, AIA – CA, CT, DE, NJ, NY, NC, RI, TN, TX#18551, VT
DENNIS A. ROSS, AIA – CO, CT, ME, MD, MA, MI, MO, NJ, NY, OH, PA, TN, VA, WV

Program Document: Town of Chilmark, MA Fire Station & Ambulance Facility

Program Interview Dates: 2/16/18 and 3/1/18

A General Information

A1. Type of Entity: **Town**

A1.1. County: **Dukes County**

A2. Program Participants

<u>Name</u>	<u>Organization</u>
A2.1. David Norton	Town of Chilmark Fire Department, Chief
A2.2. Ben Retmier	Town of Chilmark Tri Town Ambulance, Chief
A2.3. David J. Pacheco, AIA	Pacheco Ross Architects, P.C. (PRA)

A3. Zoning: Exempt: Variance:

A3.1. Allowable use: Special Exception:

A3.2. Other Jurisdictions:

A4. Sustainable Design Options:

A4.1. **LEED: No LEED certification. Instead pursue common-sense sustainable design strategies that concentrate on energy-savings, intelligent materials choices and indoor air quality.**

B Responders/Staff

B1.1. Volunteer: **Volunteer Fire Department (20). Plus 30-40 Volunteer EMTs.**

B1.2. On Call: **10-15 on-call per diem Paramedics**

B1.3. Paid: **Fire Chief and Fire admin assistant. 5 Full-Time Medics and one EMS admin.**

B1.4. Vehicle Staffing: **EMS Vehicles staffed 2 medics day and night shifts. 10hr days (8am-6pm) and 14hr nights (6pm-8am).**

B1.5. Active Member Demographics - Male: **46** Female: **6**

B1.6. Calls/year: **All Stations - Fire: _____, EMS: 400**

C Response

C1. Types of response:

C1.1. Fire: **Yes**

C1.2. EMS: **Yes** ALS: **Yes** Transport: **Yes**

C1.3. Heavy Rescue: **No**



C1.4. HAZ MAT: **1st Response**

C1.5. Water Rescue: **Yes - Jet Ski** Ice Rescue:

C1.6. Dive Team: **No**

C1.7. Other: **UTV-Ultra Terrain Vehicle (6 wheels)/ ATV-All Terrain Vehicle (4 wheel)**

D Training:

D1. Training Tower: **No. Provide training space on mezzanine only if possible.**

D1.1. Bailout: **Yes - Window with anchor points**

D1.2. Stairs: **Yes**

D1.3. Roof Access: **No**

D1.4. Roof training: **No**

D1.5. Windows and Door: **No**

D1.6. Hose: **Limited - Hose advancement at stair to mezzanine**

D1.7. Confined Space: **Yes - Manhole with anchors for confined space drills.**

D1.8. Sprinkler: **No** Wet: **N/A**

D1.9. Blackout: **N/A**

D1.10. Other Specialized Training: **No**

D2. Bays:

D3. Active Training on the site: **None**

D3.1. Pad(s): **No**

E Miscellaneous

E1. Emergency Shelter:

E1.1. Describe Shelter Requirements: **N/A**

E2. Access control

E2.1. Electronic access: **Yes** Describe:

E2.2. Vendor's access/drop off: **No**

E2.3. Other fire companies utilize building:

E.2.3.1. Mutual Aid: ,

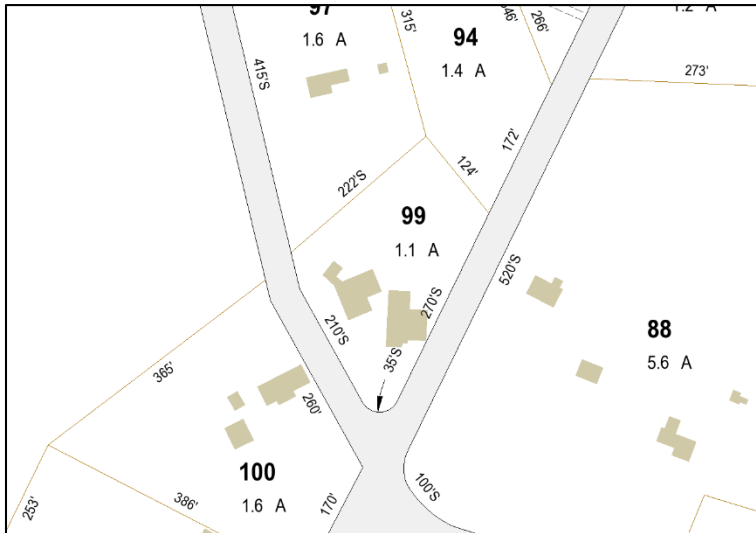
E.2.3.2. Number of Mutual Aid Vehicles: # of Mutual Aid Personnel:

E3. Other Activities/Issues:

E3.1.

F Site

- F1. Property Information: **Property located at the north corner of Menemsha and Middle Roads in the Town of Chilmark, MA. Existing Fire Station and separate existing Town Hall facility are located on the parcel. Address for Town Hall is 401 Middle Road. Fire Station has address of 3 Menemsha Rd. and responds to the southwest onto Menemsha. Town Hall building to remain as-is on site; Fire Station to be removed.**
- F2. Size: **Approximately 1.1 acres.**
- F3. Shape: **Diamond/Trapezoid** Corner Lot: **Yes**
- F4. Frontage: **210' (Menemsha) + 270' (Middle)** Depth: **Varies 124'-210'**
- F5. Tax map and Number: **Parcel 99**



- F6. Geotechnical report status:
Some geotechnical information available on Site Plan dated 3/1/03 prepared by Moore II Architects. Four test holes labeled as TH#2, TH#3, TH#4 and TH#5 are indicated with depths ranging from 4'-6" to 9'-0". Loam, Sand, Silty fine sand (some with traces of clay) and limited instances of shallow sand fill are indicated.
- F7. Survey status: **Unknown**
- F8. Soils: **See Above**
- F9. Slope: **Incomplete data but at least 7' of grade change is indicated on Site Plan dated 3/1/03 prepared by Moore II Architects. High point is Northeast corner at Contour 96.**
- F10. Existing structures: **Fire Station, Town Hall, Parking Lots, Leaching Trench Stone wall at property line**
- F11. Vegetation: **Heavily wooded at northeast and northwest property lines.**
- F12. Wetlands: **50% Wetlands Vegetation line indicated on Site Plan dated 3/1/03.**



F13. Rock: **Unknown. Visible (possible glacial till) outcrop at northwest corner adjacent Menemsha Rd.**

F14. Water:

F15. County Road:

F16. Ingress/Egress: **Good. Access from both roads.**

F17. View lines: **Adequate. Problems due to tree line proximity to roads.**

F18. Traffic control

F18.1. Currently exists: **No**

F18.2. Needs to be created: **No** Agency involved: **N/A**

F19. Outdoor Recreational Needs: **Small patio if possible.**

F20. Security fencing: **No**

F21. Dumpster: **No**

F22. Fuel tanks: **No**

F23. Satellite Dish: **No**

F24. Responder parking spaces: **5**

F25. Public parking spaces: **20 - To be shared with Town Hall**

F26. Flagpoles: **Yes - Existing mast-style at Middle Road.**

F27. Utilities at site

F27.1. Water: **Well** Size: Location: **Extreme South Corner**

F27.2. Outdoor hydrant: **No** Location: **N/A**

F27.3. Septic: **Yes - Existing Septic tank, septic pump and Leaching Trench. May be at capacity.**

F27.4. Storm: **No, but storm grate visible at intersection** Type: Location:

F27.5. Electric:

F27.6. Gas:

F27.7. Phone:

F27.8. Cable/Internet:



Operations/Response

1 Apparatus Bays

- | | | FL | Res |
|---------|--|---|----------------------------|
| 1.1 | Number of vehicles: 8 | Front Line Response Position: 4 | Reserve Position: 4 |
| 1.2 | Station Vehicles: Note: Vehicles smaller than standard due to local road limitations. | | |
| FL | 1.2.1 | Name E-121 Type Engine 1986 Ford F-800/E-One Length Width-Body
Width-Mirror/mirror Height Gallons 1,000? Weight | |
| FL | 1.2.2 | Name B-131 Type Brush Breaker 2008 Freightliner/Bulldog Length Width-Body
Width-Mirror/mirror Height Gallons 1,000?
Weight | |
| FL | 1.2.3 | Name Sq-141 Type Squad Chevy Tahoe 4x4 Utility Length Width-Body
Width-Mirror/mirror Height Gallons 1,000? Weight | |
| Res | 1.2.4 | Name UTV Type UTV with Trailer Length Width-Body
Mirror/mirror Height Gallons Weight | Width- |
| Res | 1.2.5 | Name ATV Type ATV with Trailer Length Width-Body
Mirror/mirror Height Gallons Weight | Width- |
| Res | 1.2.6 | Name Boat Type Jet-Ski with Trailer Length Width-Body
Mirror/mirror Height Gallons Weight | Width- |
| FL | 1.2.7 | Name Ambulance Type Box Ambulance Length Width-Body
Width-Mirror/mirror Height Gallons Weight | |
| Res | 1.2.8 | Name Special Operations Type Box Ambulance Length Width-Body
Width-Mirror/mirror Height Gallons Weight | |
| Outside | 1.2.9 | Name EMS Type Fly Car - This vehicle is parked OUTSIDE | |
| 1.3 | Other vehicles that may be rotated through station: | | |
| 1.3.1 | Name E-122 Type Engine (1997 Ford/E-One 1250/1000) | | |
| 1.3.2 | Name T-133 Type Tanker (2013 Kenworth/KME/Bulldog 1500/3000) | | |
| 1.3.3 | Name R-161 Type Rescue (1981 Ford/E-One 1000/750) | | |
| 1.4 | Type of bays | | |
| 1.4.1 | Drive-through: No quantity: N/A | | |
| 1.4.2 | Double deep: No - 1.5 Deep 54' quantity: N/A | | |



- 1.5 Wash bay: **No**
- 1.6 Maintenance Bay: **No**
- 1.7 Future expansion of bays: **No**
- 1.8 Front line response: **Four**
- 1.9 Overhead doors **Aluminum glass doors at front.**
 - 1.9.1 Front: Number: **4** Width: **12'** Height: **12'**
 - 1.9.2 Rear: Number: **0** Width: **N/A** Height: **N/A**
- 1.10 Gear lockers: **20**
 - 1.10.1 Location: **In a separate room - ventilated.**
- 1.11 Foam: **No Foam Storage Type:**
- 1.12 Trench drains: **Yes - To Oil/Water Separator**
- 1.13 Hose reels: **Yes** Type and Quantity: **Placed strategically - 5/8" non-collapsible hose. Two 50-75' reels between front doors and one 150'-200' reel at side/back.**
- 1.14 Fume exhaust: **Yes. System TBD**_____
- 1.15 Truck fills:
 - 1.15.1 Wall hydrant:
 - 1.15.2 Outdoor hydrant: **No** Location: **N/A**
- 1.16 Electrical drops: **Yes - each vehicle**
- 1.17 Air drops: **Yes** Brakes: **Yes - each vehicle**
- 1.18 Compressed air for tools: **Yes - several drops in bays and at work recess. Need 150 psi for filling truck tires.**
- 1.19 SCBA Air: **No feed to vehicles.**
- 1.20 Sinks: **Yes - utility sink in bay.**
- 1.21 Epoxy Flooring: **No. Concrete sealer**
- 1.22 Comments/miscellaneous:



Firematic Support

2 Mezzanine

- 2.1 Describe: **Yes**
- 2.2 Size: **As large as possible within bay volume. Use for training and storage.**

3 Firematic Storage Room

- 3.1 Use: **Firematic supplies, spare equipment, nozzles, cones, oil-dri, shop vac, coolers, generators, lights, fans, batteries etc.**
- 3.2 Location: **Adjacent Apparatus Bays**
- 3.3 Security **Yes**
- 3.4 Size: **10'x12'**
- 3.5 Adjacencies/comments: **Ventilated, Outlets for rechargeables**

4 EMS Storage Room

- 4.1 Use: **EMS Supplies and restocking**
- 4.2 Location: **Adjacent Apparatus Bays**
- 4.3 Security: **Yes**
- 4.4 Size: **10'x12'**
- 4.5 Adjacencies/comments: **EMS supply racks/shelves both sides. Locked training cabinet located in this space. 4'Wx6'Hx2'D linen storage cabinet. 4'Wx6'Hx2'D quartermaster storage cabinet.**

5 Work Recess

- 5.1 Describe: **Small workbench and tool storage area with lockable roll-up door in recess off of Apparatus Bays.**
- 5.2 Type of work: **Basic vehicle and equipment maintenance, minor repair**
- 5.3 Workbench: **Yes**
- 5.4 Tool storage: **Yes, 1 wheeled tool chest**
- 5.5 Power tools: **Yes, grinder, drill press**
- 5.6 Air: **Yes**
- 5.7 Ventilation: **Yes, exhaust fan.**
- 5.8 Flammable Liquids Cabinet: **Yes**
- 5.9 Size: **4'x12'**
- 5.10 Adjacencies/comments: **Adjacent Apparatus Bays**

6 DeCon/Laundry

- 6.1 Sink: **Yes**
- 6.2 Shower: **Yes**
- 6.3 Gear washer: **Yes - Commercial Extractor**
- 6.4 Gear dryer: **Yes - six rack style**
- 6.5 EMS Washer and Dryer: **Yes, residential style**
- 6.6 Holding tank: **No. Gross decontamination happens at hospital. Waste to septic.**
- 6.7 Red Bag Disposal: **Yes - Recepticle**
- 6.8 Size: **12'x14'**
- 6.9 Adjacencies/comments: **Exterior door if possible, floor drain, near hot-zone bathroom if possible**

7 Air Room (SCBA)

- 7.1 Location: **Off bays**
- 7.2 Sink: **Yes. Multi-bowl with sideboard.**
- 7.3 Air compressor: **Size for future compressor/fill station**
 - 7.3.1 Remote fill station: **No.**
- 7.4 CBRN: **Yes**
- 7.5 SCBA cylinder storage: **Yes (12) breathing air cylinders in storage rack (at workbench)**
- 7.6 O2 cylinder storage: **Yes (8) 'D' sized (4.3"Dx16.5"H) in storage rack (at workbench) and (3) 'H' size (9"Dx52"H) bottles in safety wall brackets**
- 7.7 SCBA repair: **Yes, minor at 75" workbench with butcher block top.**
- 7.8 Size: **12'x12'**
- 7.9 Adjacencies/Comments: **Vent in door, floor drain**



8 Turnout Gear Room

- 8.1 Describe: **Separate room with (6-20) 20" x 20" Gear Grid style turnout gear lockers with lockable storage for personal items and outlets at each locker.**
- 8.2 Racks: **GearGrid or equal**
- 8.3 Size: **10' x 16'**
- 8.4 Adjacencies/comments: **Decontamination filtration system. Near response doors/entrance(s). Floor drain. Exhaust fan for negative pressure.**



9 Hose Storage

- 9.1 Racks: **One rack in 2'-8"x12' recess or along wall of bays; 1 ¾", 2 ½", 3" and 4" hose is stored. GearGrid or equal**

10 Radio/Communications Room

- 10.1 Location: **Front, directly off bays**
- 10.2 View control: **Yes, road and bays.**
- 10.3 Seating requirements: **One**
- 10.4 Door operation: **No**
- 10.5 Bay lighting control: **Yes Outside: No- Photocell/timer**
- 10.6 Internal paging system: **No - Phone system will be used for paging**
- 10.7 Siren: **N/A**
- 10.8 Computer equipment: **Yes, 1 desktop computer and local printer.**
- 10.9 Closed Circuit TV, Phones, Weather Station: **Yes**
- 10.10 File cabinets: **1 under counter**
- 10.11 Rechargeable items: **Yes - Radios, flashlights and other equipment. Charging area.**
- 10.12 911 tie in: **No**
- 10.13 Console: **No**
- 10.14 Size: **10'x12'**
- 10.15 Adjacencies/comments: **Small area with outlets for spare radios, map board, additional conduit to bays, ceiling and exterior. Provide task lighting.**

11 Rest Room at Apparatus Bay (Hot Zone Bathroom)

- 11.1 One required: **Sink, toilet, urinal.**
- 11.2 Describe: **Hard surfaces, low maintenance, moisture resistant ceiling**
- 11.3 Adjacencies/comments: **Preferably near Decon.**

Responders

12 Day Room

- 12.1 Describe: **Space used for EMS crews and firefighters waiting in-station. Directly along response path. Small kitchenette as part of space. Can act as additional sleeping area (in recliners) for standby situations. Also serves as PCR documentation space if not completed on scene.**
 - 12.1.1 Number of Seats/Type: **3 at couch and/or recliners. 6 at table.**



- 12.2 Furnishings: **Couch, chair/recliner, dining table, flat screen on wall,**
- 12.3 Kitchenette: **Microwave, refrigerator, countertop, coffee maker, small sink**
- 12.4 Equipment: **Tables for 6 people**
- 12.5 Size: **15'x27'**
- 12.6 Adjacencies/comments: **Shared area for awaiting deployment. Quiet and privacy, TV, eating, gathering. Internet access and electrical outlets. Close to bays.**

13 Meeting/Training Room

- 13.1 Describe: **Multi-purpose room. Main space in building for meetings and training. Able to accommodate classroom layout and boardroom layout. Fold-down bunks at perimeter for firefighters during standby situations. Also acts as conference room.**
- 13.2 Seating: **30-32 at tables and chairs.**
- 13.3 Coffee Counter: **Yes with small sink.**
- 13.4 AV, TV, Screen, Lectern, etc.: **Yes**
- 13.5 Computer/communications: **Yes**
- 13.6 Size: **25'x28'**
- 13.7 Adjacencies/comments: **Near kitchenette. HD projection A/V multi-media, additional power and network outlets, heavy wall construction for 4-6 fold-down beds. Chair rail all around.**

14 Meeting Room Storage

- 14.1 Use: **Chairs & tables, some A/V equipment**
- 14.2 Size: **8'x10'**
- 14.3 Adjacencies/comments: **Closet, some shelving, chair rail, double doors**

15 Exercise

- 15.1 Equipment:
 - 15.1.1 Weights: **Yes**
 - 15.1.2 Cardio: **Yes, elliptical, treadmill, stair stepper**
 - 15.1.3 Universal: **Maybe small one in future**
 - 15.1.4 Other: **Mats**
- 15.2 Size: **500 sq ft**
- 15.3 Adjacencies/comments: **TV(s), mirrors, window to corridor, floor boxes for equipment, solid blocking in walls, recycled flooring surface, pendant alerting system for emergencies.**



16 Bath/Showers

- 16.1 Describe: **Two unisex bathrooms with toilet, sink and shower.**
- 16.2 Location: **Near bunks and exercise if possible.**
- 16.3 Size: **85 SF each**
- 16.4 Adjacencies/comments: **4 small lockers for clothing.**

17 Bunk Rooms

- 17.1 Describe: **EMS personnel bunk rooms.**
- 17.2 Number and Type: **(2) Doubles - Total of (4) beds**
- 17.3 Furnishings: **(2) Beds, (1) wardrobe, (2) nightstands per room**
- 17.4 Size: **Minimum NFPA standard 60 SF/person. Each 10'x12' 120SF.**
- 17.5 Adjacencies/Comments: **Direct path to EMS bay.**

18 Firefighter Personnel Lockers

- 18.1 Describe: **Personal lockers for Firefighters. Not a changing area so separate male/female is not necessary.**
- 18.2 Number and Type: **(20) 12"Wx18"D full-height lockers.**
- 18.3 Size: **10'x10'**
- 18.4 Adjacencies/Comments: **Near rest room to be able to change.**

19 EMS Personnel Lockers

- 19.1 Describe: **Personal lockers for EMT's including space for personal bedding. Not a changing area so separate male/female is not necessary.**
- 19.2 Number and Type: **(6-10) 18"Wx24"D full height lockers**
- 19.3 Size: **7'x16'**
- 19.4 Adjacencies/Comments: **Near bunk rooms and bath/showers. Can be part of widened corridor if it saves space.**

Administration

20 Fire Department Office

- 20.1 Describe: **Shared Office for Fire Chief, Officer, Executive Secretary and Administrative Assistant**
- 20.2 Security: **Yes**
- 20.3 Furnishings: **(4) workstation positions, (2) 4-drawer file cabinets, small central collaboration table if possible.**



20.4 Size: **12'x15'**

20.5 Adjacencies/comments: **Near Shared Work Space**

21 EMS Office #1

21.1 Describe: **EMS Chief's Office**

21.2 Security: **Yes**

21.3 Furnishings: **(1) desk, 2 guest chairs, file cabinet**

21.4 Size: **10'x12'**

21.5 Adjacencies/comments: **Near EMS Office #2 and Shared Work Space**

22 EMS Office #2

22.1 Describe: **Share office Deputy Chief and Administrative Assistant.**

22.2 Security: **Yes**

22.3 Furnishings: **(2) workstation positions.**

22.4 Size: **10'x12'**

22.5 Adjacencies/comments: **Near entrance for public interface. Near Chief's Office and Shared Work Space**

23 Shared Work Space

23.1 Describe: **Small reserved area for shared office equipment and supplies. Can be part of office suite corridor.**

23.2 Furnishings: **Area for network photocopier/fax/printer. Work surface including hole punch, stapler, paper cutter. Cabinets for storage of office supplies.**

23.3 Size: **5'x8'**

23.4 Adjacencies/comments: **Central, near all office spaces.**

24 Rated Records Storage

24.1 Describe: **Secure rated storage for long term records.**

24.2 Fire Rating: **2 hour**

24.3 Size: **8'x10'**

24.4 Adjacencies/comments: **Near office areas.**

25 Network/IT

25.1 Describe: **Space for computer equipment. Flexible location. 5'x8'**

25.2 Security: **Yes**

25.3 HVAC/Electrical Needs: **Dedicated A/C, UPS backup**



Miscellaneous

26 Entry/ Lobby

- 26.1 Describe: **Small entrance lobby for building.**
- 26.2 Size: **10'x15'**
- 26.3 Display case(s): **(1) small display area** Plaque(s): **Yes** Pictures/Artwork: **No**
- 26.4 Adjacencies/comments: **Vestibule. Near offices and parking.**

27 Vestibule

- 27.1 Describe: **Code required energy vestibule**
- 27.2 Size: **7'x7'**
- 27.3 Adjacencies/comments: **Connected to Entry/Lobby. Emergency call box.**

28 Rest Rooms

- 28.1 Describe: **Unisex or male & female as needed for occupancy requirements**
- 28.2 Size: **Assumed 252SF (18'x14')**
- 28.3 Adjacencies/comments: **Ceramic tile walls and floor**

29 Quartermaster

- 29.1 Describe: **Cedar closet for storage of uniforms and other non-turnout clothing/ gear.**
- 29.2 Size: **8'x10'**
- 29.3 Adjacencies/comments: **Can be anywhere**

30 Janitors Closet(s)

- 30.1 Number: **One**
- 30.2 Size: **5'x8'**
- 30.3 Adjacencies/comments: **Mop sink, mop and broom holder**

31 Housekeeping Storage

- 31.1 Describe: **A room for paper goods, cleaning supplies and other storage.**
- 31.2 Size: **5'x8'**
- 31.3 Adjacencies/comments: **Near janitor's closet**

32 Mechanical/Electrical Room

- 32.1 Equipment: **Boiler, Water heater, Transfer switch, Main disconnect, Panels, Other**
- 32.2 Size: **240 SF**



32.3 Adjacencies/Comments: **On outside wall, near generator if possible.**

33 Egress Stairs

33.1 Describe: **If a two story building is needed then (2) separate enclosed egress stairs will be required.**

33.2 Size: **8'-6"x20' each stairwell on each floor**

33.3 Adjacencies/comments: **(1) stair connected to Entry/Lobby.**

34 Elevator

34.1 Describe: **If a two story building is needed then an elevator will be required.**

34.2 Size: **6'x8' with 7'x7' elevator lobby at each floor (Approximately 100 SF/ floor)**

34.3 Adjacencies/comments: **Connected to Entry/Lobby. Assume machineroom-less elevator to eliminate need for separate elevator equipment room.**

35 Notes on Mechanical, Electrical, Plumbing, HVAC, Sprinkler, Alarm

35.1 Mechanical:

35.2 Fuel type: **Propane?**

35.3 Heating type in apparatus bay: **In-floor radiant with high-efficiency, wall-mounted, propane gas condensing boilers**

35.4 Heating type elsewhere: **Propane HVAC furnaces**

35.4.1 HVAC comments:

35.5 Electrical:

35.6 Bay lighting: **High efficiency, high intensity LED**

35.7 Site lighting: **As needed for aprons, parking and entrance/egress doors**

35.8 Other lighting requirements: **LED lighting throughout. Occupancy sensors. Photocell/timer for exterior lights**

35.9 Generator: **Exterior emergency generator with weather enclosure.**

35.9.1 In lieu of emergency lighting: **Yes** Code: **If allowable**

35.9.2 Portion(s) of building to run on generator: **Entire building to run on generator including HVAC. Step (stagger) start-up A/C loads to control the size of the generator necessary. For two story solutions, use elevator battery system if elevator load too great on generator.**

35.9.3 Fuel: **Propane**

35.10 Generator location: **Exterior**

35.11 Electrical requirements: **Anticipated 600 amp service**

35.12 Data/IT: **LAN-local area network, CAT 6 wiring entire facility**



- 35.13 Plumbing/Sprinkler:
- 35.14 Sprinklered: **No**
- 35.15 Plumbing requirements: **Single service into building from existing well. Well testing necessary to verify capacity of existing well.**
 - 35.15.1 Describe:
 - 35.15.2 Comments: **Hot water system to have recirculation loops**
- 35.16 Exterior hose bibs: **Yes, each side of building.**
- 35.17 Lawn sprinkler system: **No**
- 35.18 Oil/water separator: **Yes, installed prior to holding tank**
- 35.19 Grease trap: **N/A**
- 35.20 Sanitary: **Expanded septic system may be necessary. Last expansion was in 2003.**
- 35.21 Alarm Systems: **Non-proprietary addressable fire alarm system with smoke and heat detectors. FACP in mechanical room with remote annunciator in entry/lobby. CO detectors/alarms in apparatus bays, bunk rooms and mechanical spaces. NOx detectors/alarms in apparatus bays.**
- 35.22 Station Alerting: **Speakers and volume controls in all response rooms, corridors and bathrooms.**
- 35.23 "i am responding": **Indicate YES or NO. If Yes, monitors in Radio Room, Apparatus Bays and Day Room.**