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AIR CONDITIONING • HEATING • ENERGY • PLUMBING • SPRINKLER • ELECTRICAL

February 19, 1987

Larry
Joe
Karen

To: Mullinax/Wash Architects
212 South Tryon Street, Suite 1480
Charlotte, NC 28281

Attn: Joe Hatem

Subject: Camp LeJeune
Job Site Visit, February 3, 1987

Re: Field Maintenance Shop
FY 88 MCOM Project P-256
Camp LeJeune, North Carolina

The following was discussed with Larry Brant:

1. Larry suggested that I request Project P-240 water and sewer maps from Susan Gale.

2. Appendix A for this project indicates that steam will be brought to within 200' of the building under Project P-240. Larry is to discuss this with Susan Gale and advise us of where this location will be.

3. Electrical service into building will be underground. No overhead service will be allowed inside the fenced area. The transformer location indicated on the 35% drawings is acceptable.

4. Larry indicated that underground waste oil tanks are a problem. He indicated that EPA requirements are rather strict and suggested that I call Bob Alexander at 919/451-3034 and discuss requirements.

5. The Small Arms Storage Vault will require a dehumidifier.

6. A tank with neutralizing marble chips or equal is acceptable for the drains from the Battery Storage Areas.

7. Larry indicated that he would try to find out the model No. and the flow capacity of steam mixing nozzle installed by base personnel at the central maintenance wash racks.

The following items were discussed with Captain Allen Alston, CW02 Anthony Blunt, and GWSCT James R. Sheffield:

1. WASH RACK:

   --Steam and water mixing faucet is requested in lieu of the hot water shown on our 35% drawings.

   --Provide 3/4" cold water at each rack for wash down of areas that cannot be cleaned with steam.

   --Grit chamber and drain under each wash rack should be large enough to facilitate ease of maintaining and cleaning. Chamber should be large enough for a man to get down in and shove out grit.

2. LUBE SYSTEM:

   --50 weight oil will be required in the bay with bridge crane.

   --After considerable discussion it was decided that four lines would be run to each reel station and four reels plus air would be provided.

   --The reduced number of stations discussed in the VE is satisfactory.

3. AIR COMPRESSOR:

   --High pressure air is not required. Required pressure to operate pneumatic lift will determine pressure rating of system.

   --Air compressor capacity needs to be sufficient to fill large tires on vehicles.

4. Overhead Engine Exhaust System should be designed for diesel engines only.

5. Eye wash is required in each battery room.

6. The classroom area on the second floor is used infrequently and when used, is used for short periods of time.

7. 480 volt outlet is not required, however, 220 volt power is required.

8. BATTERY ROOM:

   --Battery chargers require a capacity of 10 amperes at 120 volts.

   --Battery Storage Room at adjacent facility has a hood over a work table where the batteries are emptied and filled. Exhaust duct contains sail switch and alarm to indicate loss

of fan operation.

--Captain Alston indicated that he believes there is a regulation requiring that ceilings of Battery Rooms be sloped to allow run-off of acid if a battery explodes.

Captain Alston and his personnel were very helpful and offered some good suggestions. The trip was very productive and helpful.

James A. Story, P.E.

JAS/rmr

cc: Larry Brant
Captain Allen Alston