25X1A6a [redacted] REVIEW COMMENTS ON SCOPE OF WORK

I. BUILDING INTERIOR COMMENTS

A. Architectural

1. Windows in classroom (this is Room 110, the request for windows is reasonable).

25X1A6a 2. Rooms 125 and 126 should be class F2 vice F1 - add rugs. (As explained [redacted] their current policy is to install carpeting in all Comcenters for noise attenuation.)

25X1A6a 3. Add Support Utility Area, approximately 150 sq. ft., for photography, laminating, etc. (This apparently was in the original list of requirements submitted by [redacted] I suggested that the extra office area, Room 115, could be used for this purpose; however, in view of the additional support services anticipated for the OTS 25X1A6a facility on the second floor, [redacted] has tentatively designated this 25X1A6a room for that purpose. [redacted] requirement for a Support Utility Area is to make personnel identification badges--pictures and laminating, taking pictures of equipment, lock storage, etc. Although not posed to [redacted] it appears that most, if not all of these 25X1A6a tasks could be accomplished by the OTS Facility, thereby eliminating this requirement.)

25X1A6a 4. [redacted] Office (Room 120) view blocked by stairwell (Room 130). Only one room on east end of building has view cut off. Conference Room (Room 121) can be inside - does not need to be in best location in the building.

25X1A6a 5. Stairwells (Room 130 & 102) in separate building? More expensive? Less secure? (The more expensive comment came from [redacted] I explained that the question of more expensive was questionable because (1) these structures are shells with no costly finishes required and (2) there is not excess space in the building to accommodate two stairwells, therefore, requiring a sizable extension of the main structure which would be more expensive. I did not comment on the security aspects.) 25X1A

6. Consider security of stairwell (Room 230) at east end of building could provide easy, unobserved access to roof. (Access to the roof is provided only by ladder access from the west stairwell

(Room 202), not from the east stairwell. However, a person could gain access to the roof during daytime hours unless a security device is installed that will register an alarm.)

7. Why the overhang? More expensive construction? Use other means -required anyway- to keep sun off the windows. (I explained that this overhang was not designed specifically for sun protection, but rather resulted because the second floor required more square footage than the first. Furthermore, I questioned the more expensive construction comment as this is not special construction for the second floor and we would be adding more expense for the additional floor area on the first floor. This comment also came from [redacted] 25X1A6a

25X1A6a 8. The [redacted] Security Officer objects to the Commo Vault having an exterior wall. Rational is too easy for someone to install a bugging device.

25X1C 9. A question posed--must all safes be located in a vault or will they be permitted throughout the building in view of a [redacted] guard being on duty during normal non-working hours?

B. Electrical

1. Need clock outlets in rooms 101, 108, 112, 113, 126, 127, and two in room 125.

2. Power panels in room 125 should be 120/208 VAC, 4 wire, 3 phase, with station ground lead at least 2 AWG in lieu of 220 VAC, 3 wire indicated.

3. Insure lighting of rooms 125 and 126 to be at least 100 CP.

4. Two 2" conduits should be provided from room 125 to roof rainhead. Locate in ceiling near outer wall. Customer will install addition from ceiling area.

5. Radial Ground System should be installed before pouring the foundation. Impedance to ground is to be less than 10 OHMS in dry soil. Feeders are to be supplied from this area to rooms 124, 125 "black" power panel ground buss--not neutral, and to a single buss on the roof. Additional feeder(s) may be required to second floor. Each feeder should be #2 AWG minimum and routed to each area via a conduit. A single conduit may be used with feeder branches. Conduit shall be ferrous EMT with raintite connectors/couplers. (This is commonly known as the Station Ground and is in addition to the Faraday Ground System shown on sheet 2 of 3. Details may be obtained from OCE/SED/FAB.)

6. All Conduit used should be ferrous with ferrous connnectors/ couplers. All conduit to rooms 125 and 126 shall be ferrous. (Check with OCE/SED/FAB for details. Apparently [redacted] has experienced contractors using cast connectors/couplers which defeats the tempest requirements for continuous magnetic shielding.) 25X1A6a

7. All lighting in rooms 125 and 126 shall be from "black" power panel. (I explained that normal practice is to provide lighting power from separate panels and that this is normally left to the discretion of the A-E. Check with OCE/SED/FAB.)

8. a. Power from the "red" power panel shall be routed to the specified areas via surface duct.

b. A surface "red" duct shall be installed parallel and 6" minimum separation from the "red" power duct in the area specified.

c. A surface "black" duct for customer signal cables shall be installed in the area specified.

(I explained that normal procedure was for Commo Techs to install conduit and/or ducts from panels in Comcenters. Requested [redacted] 25X1A6a provide "red" and "black" power panel specifications. [redacted] agreed 25X1A6a to this.)

9. Provide minimum of one emergency light w/charger and long life wet battery in hall rooms 125, 127, and 101. (This requirement is in case of a power outage and the emergency diesel electric set fails to activate.)

10. "Red" and "black" power panels in room 125 shall be surface mounted.

11. Speaker System

a. Preferred: A speaker to be mounted in the ceiling of every room with a means of adjusting the lever of each individually. System to be interwired for 70 VAC Audio System with termination at a junction box located in the wall of area 109 corridor wall.

b. Option: Same as above but without any speakers. Junction boxes and wiring in each room. (I suggested that this requirement may be in excess of what the Agency may desire to levy on [redacted] 25X1A6a
25X1A 25X1A6a [redacted] and if so, [redacted] could install this system with their Commo Techs. The Chief [redacted] has installed a similar system in their existing building, therefore, would suggest if we levy this requirement on [redacted] that, because [redacted] has speakers, that we use the 25X1A6a
25X1A6a option cited above.)

C. Mechanical

1. Provide vent for Ozalid machine, -ammonia vapors- room 127.

2. Provide vent for Disintegrator Room--very fine paper dust, room 128. (This is a result from their experience with a disintegrator in the existing [redacted] installation.) 25X1A6a

3. Oppose separate A/C for Comcenter. There should be one unit for building with a back-up. (See comment on emergency power requirements, paragraph II, B 2.

4. Apparently no provisions made for heat. Provide some means of heating for some cool winter days. (I explained that this is a normal building requirement and be covered by the [redacted] specifications for new building construction. Air conditioning was specifically covered in our scope because of the emergency power requirements and our suggestion to investigate a chilled water system for the vault area because of the 90 sq. in. limitation for vault openings.) 25X1A

5. No provisions made for ventilating vault area, rooms 125, 127. Provide fresh air to any room using chilled water air handlers. This problem would possibly preclude the use of using chilled water to cool rooms 125 and 126. (I explained that our scope of work was not a design package but a means of specifying Agency requirements. Matters of this nature are a normal part of design.)

D. Fire, Safety, and Security Systems

1. Believe additional fire detection automatic reset rate of rise detectors should be located in rooms 108, 109, and 126 (2), and the generator enclosure and fuel area if in enclosed yard.

2. Would suggest that an additional precaution would be to install a smoke detector in each air handler to shut down air handler and at some time notify guard and possibly fire alarm bell system.

3. Should we ask county to install motion detection system? Believe we request conduit runs and install gear ourselves. (I advised [redacted] that it is normal practice, wherever possible, to have the security alarm systems furnished and installed by the construction contractor. If we require [redacted] to provide vaults for the building, they should also be asked to provide the building security alarm system.) 25X1A6a 25X1A6a

II. SITE COMMENTS

A. Civil

1. Should specify chain link fence around entire building complex. [redacted] takes exception to the statement in the scope of work that permanent fencing may be required and want it specifically spelled 25X1A6a

out that chain link fencing be provided around the entire new building/warehouse complex. It is noted that neither the [redacted] 25X1A6a office building nor the warehouse presently have perimeter fencing.)

2. First floor on grade? Shouldn't we specify an elevation to prevent flooding, such as 1 or 2 feet above ground level? (I explained that this statement referred to a ground slab without a crawl space underneath and not that the first floor would be the same elevation as the surrounding ground. Furthermore, it is common design practice to place the first floor at an elevation higher than local flooding levels, if such conditions exist.)

3. Parking

a. Should specify 50 car parking spaces total, at least 25 to be new. Normal 2 1/2: 1 ratio cannot apply.

b. Suggest parking area on east side of building.

c. Walkway-sidewalk along east end of warehouse with stairs up to ramp on north-east corner. This is for people walking from any parking area used on south side of warehouse.

(The south side of the warehouse is not used for anything--parking or storage at present. Would be an ideal parking area. In the event a fence were installed on the north side of "F" street, there still should be adequate space for parking and an access vehicular aisle. Fencing the entire compound would require a new look at a parking layout. There is existing parking on the north side of the warehouse together with access for trucking for shipping and receiving activities. Requested [redacted] 25X1A6a to provide OL/RECD with a sketch identifying those areas required for truck access so that a parking layout can be developed. This requirement for 50 parking spaces does not include OTS requirements.)

4. Bring gasoline dump into fenced in enclosure. Necessity for relocation of fuel storage -gasoline- depends on property boundaries. We know that the south boundary will be [redacted] 25X1A
25X1A [redacted] Would help planning if we knew exactly what the boundaries are. (A gasoline storage tank in a chain-link fenced enclosure is presently located in the area west of "B" street. Recommended and
25X1A6a [redacted] agreed that if [redacted] permits continued use of this area we leave 25X1A
the gasoline dump where it is. This matter will have to be resolved
25X1A6a with [redacted]

B. Electrical - Commercial and Emergency

1. Relocate commercial power feeders/poles to the new building generator yard/equipment room areas. Power re-route to enter building and warehouse at wouthwest corner of warehouse, thus, only one feed to both buildings with shortened run at 208/120 V.

This simplifies generator switch-over connections. (Advised
25X1A6a [redacted] that this is a normal part of design and would be resolved by the A-E during the design phase.)

2. Emergency Power

a. Generator -200 KW- should be in completely enclosed area to prevent rain and weather damage.

b. Determine alternate location of generator that would reduce noise area to new building.

c. Relocate emergency generator to southeast corner of warehouse or other location more remote from office areas.

d. Assume generator is located where noise is tolerable.

25X1A6a (1) [redacted] did agree that the generator is well positioned in respect to office areas; however, they are still concerned about noise not only in the new building but also in the warehouse. They also feel that fully enclosing the generator will help to reduce the noise level.

(2) The existing generator is a 250 KW unit and in good condition. It is run under load every week for a period of 2 to 4 hours. Apparently there are extended outages during the hurricane seasons.

25X1A6a (3) The Chief, [redacted] advised that due to their heavy work load, basically none of their areas could be without power and air conditioning. It was pointed out that the statement also referred to the OTS Facility whose emergency power requirements had not been identified. Therefore, we can presume that not the entire building will require emergency power.

25X1A6a (4) [redacted] wants emergency power provided for the warehouse which presently has no emergency power.

1. Relocate emergency generator to SE corner of WH or other location more remote from office areas.

INTERIOR 2. Add Support utility area (approx 150 sqft) for photography, laminating, etc.

INTERIOR 3. Vent for ozalid machine. (ammonia vapors) Rm 127

INTERIOR 4. Vent for disintegrator room (very fine paper dust) Rm 128

INTERIOR 5. Room 125 should be F2

INTERIOR LIGHTING 6. Apparently no provisions made for heat.

INTERIOR LIGHTING 7. No provisions made for ventilating vault area. Rms 125, 127

see 7 8. Consider security of stairwell at east end of bldg. Could provide easy, unobserved access to roof.

1A [redacted]

see 5 9. NOTE: Only one room on east side of Bldg has view cut off. Rm 120.

1A [redacted]

see 2 & 14 10. Suggest parking area on east side of bldg.

1A [redacted]

11. Space for 50 vehicles. (Normal 2 1/2:1 ratio cannot apply)

see 16 12. Necessity for relocation of fuel storage (gasoline) depends on property boundries. We know that the south boundry will be [redacted] 25X1A
Would help planning if we knew exactly what the boundries are.

1A see 13 [redacted] 13 Govt will install eqpt. Builder to provide conduits etc. (eg - [redacted] shd not provide alarms) 25X1A

Notes of items to be considered at a &e conference:

interior A 1. Rooms 125 & 126 should be class F2 vice F1 (add rugs)

interior E 2. Need clock outlets rooms 101, 108, 112, 113, 126, 127, & two 125

interior E 3. Insure lighting room 125 & 126 ~~XXX~~ at least 100 CP

interior E 4. power panels in room 125 should be 120/208 VAC, 4 wire, 3 phase, with ~~XXX~~ station ground lead of at least 2 AWG vice 220 VAC, 3 wire indicated.

interior E 5. Two 2" conduits should be provided from room 125 to roof rainhead. Locate in ceiling near outer wall. Customer will install addtion from ceiling area.

interior E 6. Radial Ground system should be installed before pouring the foundation. Impedance to ground is to be less than 10 ohms, in dry soil. ~~Thxx~~ Feeders are to be supplied from this area to Rooms 124, 125 "Black" power panel ground buss (not neutral), and to a single ground buss on the roof. Additonal feeder (s) may be required to second floor. Each feeder ~~xx~~ should be #2 AWG minimum and routed to each area via a conduit. A Single Conduit may be used with feeder branches. Conduit shall be ferrous EMT with raintite connectors/couplers.

interior E 7. All Conduit used should be Ferrous with ferrous connectors/ couplers. All Conduit to rooms 125 & 126 shall be ferrous.

interior E 8. All lighting in rooms 125 and 126 shall be from "Black" power panel.

~~9. Generator~~ (200KW) should be in completely enclosed area to prevent rain and weather damage.

interior E 10. Power from the "Red" power panel shall be routed to the specifed areas via surface duct.

interior E 11. A surface/duct ("RED") shall be installed parallel and 6" minimum seperation from the "RED" power duct in the area specified.

interior E 12. A surface/duct ("Black") for customer signal cables shall be installed in the area specified.

13. Speaker system:

A. Prefered: A speaker to be mounted in the ceiling of every room with a means of adjusting the level of each individually. System to be interwired for 70 VAC audio system with ~~xxxxxxxxxxxx~~ termination at a junction box located in the wall ~~xxxx~~ of area 109 corredor wall.

~~xx~~B. Same as above but without any speakers. Junction boxes and wiring ~~xxxxxxx~~ in each room.

14. Provide minimum of one Emergency light w/charger and long life wet battery in Hall, room 125 & 127, & 101.

15. Believe additional fire detectrion ~~xxxx~~ automatic reset ~~rate of rize detectors~~ should be located in rooms 108, 109, and 126 (2), and the generator enclosure/ ~~(~~and fuel area if in enclosed yard.~~)~~

~~16. Would suggest that an additonal precaution would be to install a smoke dete ctor in each air handler to shut down air handler and at same time notify guard (and possibly fire alarm bell system.~~

~~17.~~ Relocate Commercial power feeders / Poles to the new ~~building~~ Generator yard/Equipment room areas.

~~18. Determine if any~~ alternate location of generator that would reduce noise area to new building.

19. Provide some means of Heating for cool winter days.

20. Provide fresh Air to any room using chilled water air handlers. (This problem would possibly preclude the use of using chilled water to cool rooms 125 & 126).

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Problem

EXTERIOR REQUIREMENT 1. Should specify foot chain link fence ~~around entire~~ building complex.

EXTERIOR REQUIREMENT 2. Should specify 50 car parking spaces total, at least 25 to be new.

EXTERIOR 3. ~~Assume the generator [illegible] is located where noise is tolerable~~

EXTERIOR 4. ~~First floor on grade? Shouldn't we specify an elevation to prevent flooding — such as 1 or 2 feet above ground level~~

INTERIOR ~~question~~ 5. Chief office view blocked by stairway.

INTERIOR question 6. Conference room can be inside — does not need to be best location in the building.

INTERIOR question 7. Stair well in separate building? More expensive. Less secure?

[redacted]

EXTERIOR 8. Why the overhang? More expensive construction? Use other means (required anyway) to keep sun off the windows.

[redacted]

~~9. Generator should be enclosed; Roof + block house sides~~

~~INTERIOR~~ UTILITIES ~~10. Heat?~~

~~EXTERIOR UTILITIES~~ ~~11. Fresh air for vault area?~~

~~INTERIOR UTILITIES~~ ~~12. Oppose separate A/C for Comcenter. There should be~~ one unit for bldg with a back-up.

INTERIOR 13. Should we ask County to install Motion Detection System? Believe we request conduit runs and install gear ourselves.

EXTERIOR PARKING 14. Walk-way (side walk) along west end of warehouse with stair up to ramp on north-west corner. This for people walking from any parking area used on south side of warehouse. Really means east end.

EXTERIOR UTILITIES 15. Power re-route to enter building and warehouse at south west corner of warehouse. Then only one feed to both building with shortened run at 208/120 V. This simplifies generator switch-over connections.

EXTERIOR 16. Bring Gasoline dump into fenced in enclosure.

~~EXTERIOR~~ 17. Window in class room.

~~INTERIOR~~ ~~18. Vents for Ozalid and Diazotizator.~~