

Pre Design Conference, 16 SEP 84, 0830 SNCO Club

P-433 Corrosion Central Hangar

Jim Hatsenpiller - Base Telephone

- Requirement 2 4" ducts (1 duct 25 pr ph cable & 1 duct for 2 NALCOMIS lines 1 for each group)
- Determine which end of building ducts are to be located

Tam Chavey - Fire Dept, Dept MCAS, PR

- Requirement for Fire Protection System  
Aqueous Film Forming Foam (AFFF) Type is questionable (MARK will CK ON w/ LANT DIV)  
Wet Pipe for all other areas  
Pull Stations, 2 in Hangar Area, 1 each level of admin section for a total of 4  
(00-10, MU-22 the composites of the A/C will not burn in itself however it will melt)

NOTE: Foam dumped should be retrieved into the industrial waste treatment system.

NO Industrial Waste Treatment System at MCAS nor is any planned for the future.

Spray Paint Booth, large items will probably be painted on



X-Ray Booth - large size to be located in NDI Rm  
Lead lined Require hot/cold water

LUBES minor use, 2 types (1 for S3 & MV-22, 1 for 46 & Cobra  
any spillage or wash off ~~must~~ <sup>must</sup> be diverted to oil/water  
separator. Require overhead retractable grease line

CHAIN HOIST <sup>Required</sup> for use over stripping vats 1TON/3 VATS

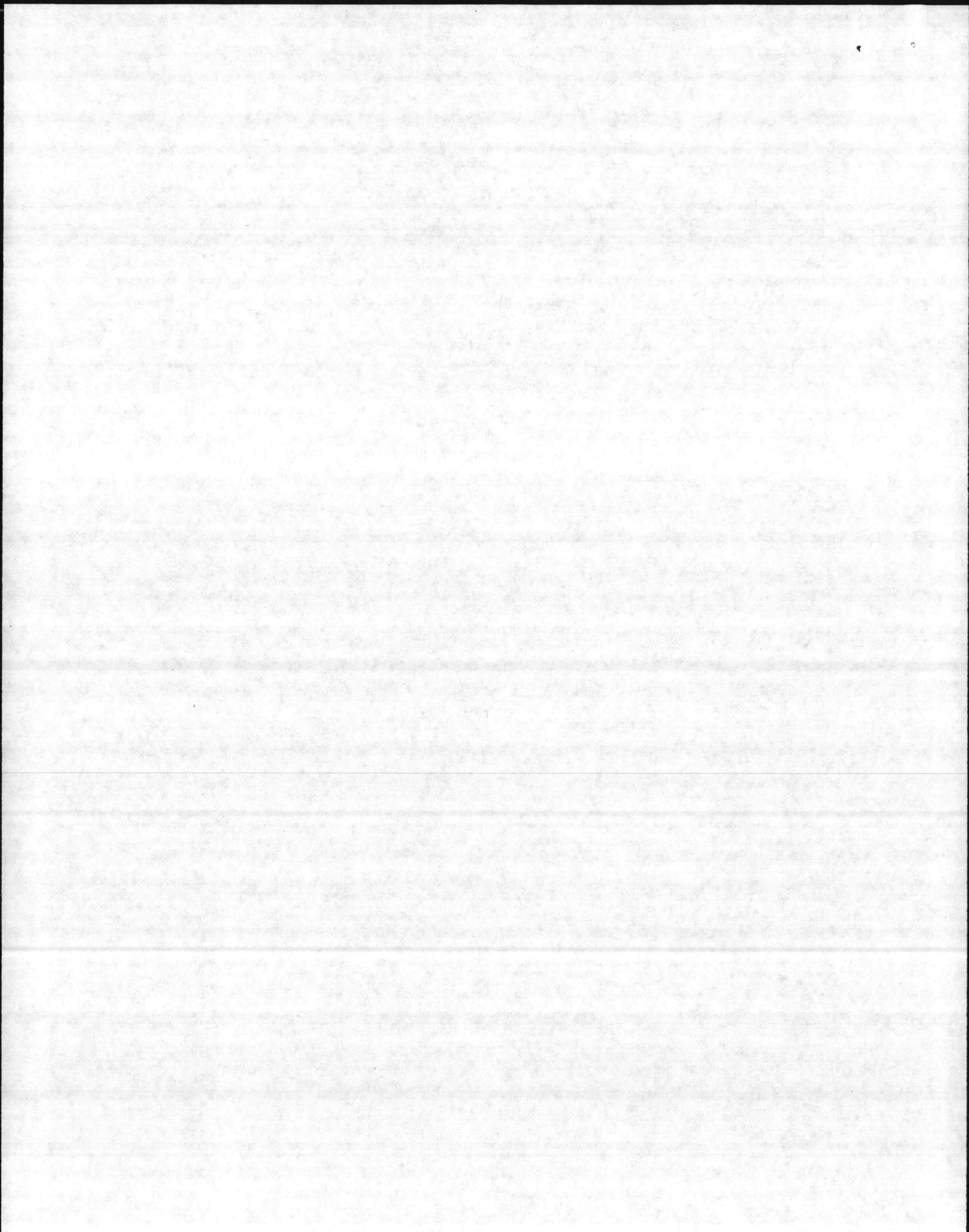
AIR COMPRESSOR filter through

- Ambient Air Breathing fittings (2) one each side  
of hangar bay area, w/2 to 4 connectors each, one in  
paint spray booth
- air compressor size 4.5 <sup>cubic FOOT per second</sup> (CFS)
- Dry Hone for sand blaster - Provide numerous air outlets

ELEC REQUIREMENTS: No require for different or unusual  
NDF MAX require 220V, Magnetic partial capability  
not required at this time. 400 Hertz (M-G IMRL equng)

EYE WASH STATIONS

locate outside Paint booth, mixing room & main hangar



## PRE-DESIGN CONFERENCE QUESTIONS

COST CERTIFICATION - CORROSION CONTROL HANGAR  
MARINE CORPS AIR STATION  
NEW RIVER, JACKSONVILLE, NC

### GENERAL AND ARCHITECTURAL

1. A/E assumes that the Form 1391 supplied with the contract package is a description of the facility to be designed and not simply an example.
2. What are the escalation projection figures to be used?
3. A/E needs to be provided with building criteria such as area, siting, etc. with which to prepare building description.
4. Preparation instructions for the PED would indicate an extensive design needs to be accomplished in order to prepare the cost estimate backup as detailed as indicated. Is the backup data to be that detailed?
5. What criteria do we use to determine the extent of hazardous areas?
6. Will overall painting be done in the facility or simply spot painting?
7. What are the chemicals used in the facility?
8. Will there be any requirements for fuel cell maintenance?
9. Requirements for control space such as paint mixing, detergent mixing (automatic system), paint booth, etc.?
10. Requirements for bridge crane or hoist?
11. Size and method of entry for aircraft? Wheel loading? Jack points, etc., for fixed wing?
12. How many aircraft to be housed at one time?
13. Building type (type N, etc.)?
14. Overhead canopy or sliding doors? Door for tug?

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15. What are the security requirements?
16. In space calculations, do door pockets count half?
17. We need data on aircraft to be using the facility (type, size, etc.).
18. Does basic washrack layout (ref. dwg. AD 36-40-12R2) apply?



## MECHANICAL

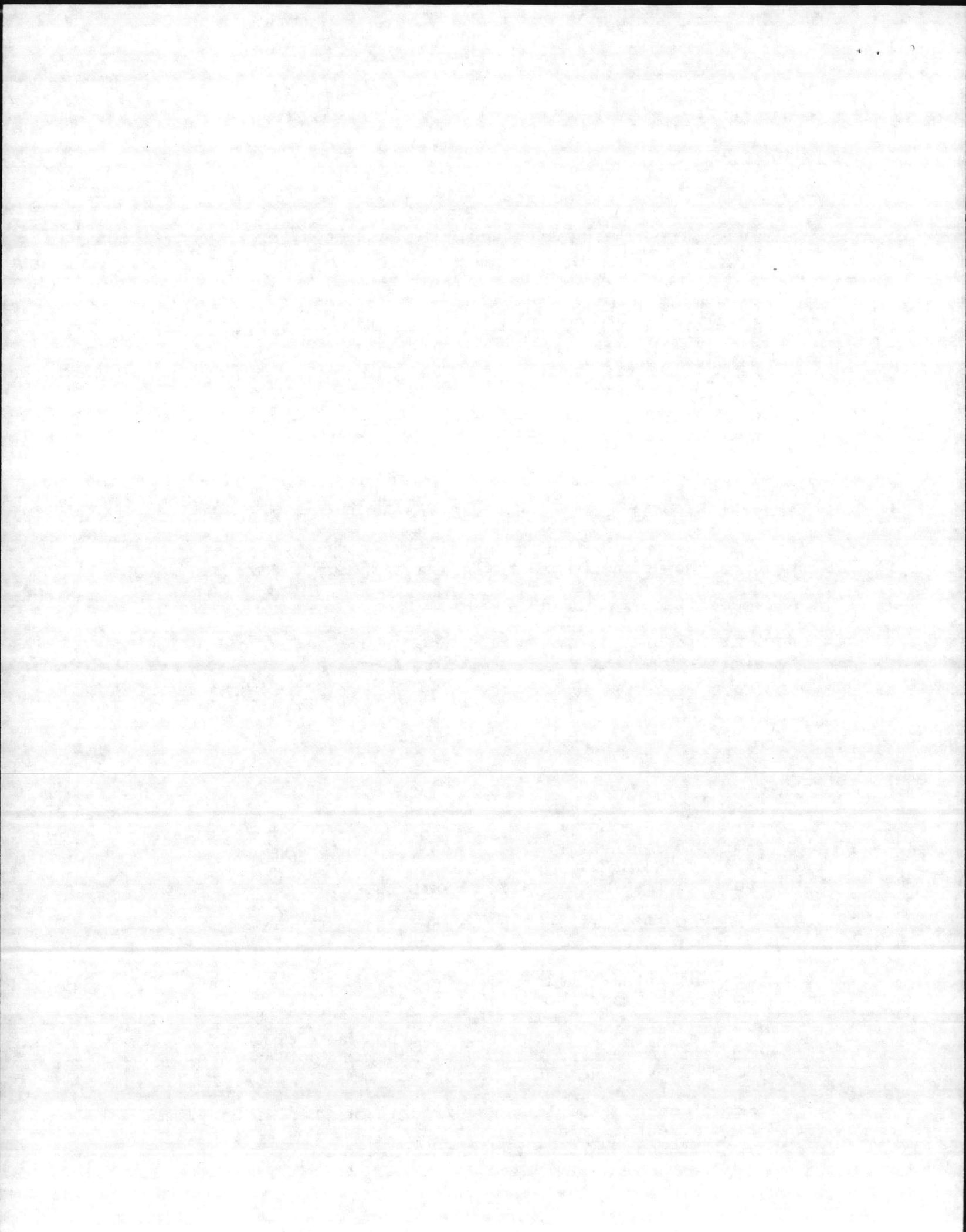
1. Define pollution abatement controls.
2. Criteria needs to be provided for the following:
  - a. X-ray booth.
  - b. Fire Protection:
    - 1) Sprinklers?
    - 2) AFFF?
    - 3) Underwing?
3. Is the steam for this facility to be supplied from a central system or will a boiler be installed in the facility?
4. If a boiler is to be installed, what is the fuel?
5. Since the hot water for aircraft washing is to be steam generated, will the steam supply be available year-round.
6. What is the water consumption requirements for aircraft washing? How many aircraft will be washed per day? per week?
7. Any demolition required?
8. What are the requirements for underground tanks, oil/water separator, etc?
9. Is a waste treatment plant required? Will it be housed in a separate building? How is it to be handled in the form 1391?
10. Is breathing air compressor required?

## ELECTRICAL

1. Can highly efficient high pressure sodium lighting be used or is good color rendering required for such operations as touch-up painting? If good color is required, we will probably utilize metal halide fixtures.
2. Is a bucket lift or similar device available for relamping and maintenance?
3. What is the primary voltage at New River and where can service be obtained? Who can we contact?

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4. Are 400 hertz outlets required in the hangar area? If so, is the M-G set government furnished? How many outlets are needed? What voltage and what current rating?
5. Are direct current outlets required in the hangar area? If so, is the rectifier government furnished? How many outlets are needed? What voltage and what current rating?



6. Any special communications requirements such as intercoms? Who can we contact?
7. Is intrusion detection/alarm required? If so, what areas? Please describe requirements. Who can we contact?
8. Is EMCS existing at the Air Station? Are we to prepare the facility for EMCS? To what extent? Who can we contact?
9. Is there a requirement for a stand-by engine-driven generator? What loads must be included on stand-by power?
10. What criteria do we follow for aircraft grounding within the hangar?
11. Who can we contact concerning fire alarm and fire detection systems?
12. Is an x-ray booth required? If so, is it government furnished? What are the electrical requirements?

#### CIVIL/STRUCTURAL

1. What is the seismic zone used for New River, 0 or 1? Is the basic wind speed zone 100 MPH for this area? Is the facility a Category I classification?
  2. The following typical construction used on the Base is needed:
    - a. Typical foundation system used on Base with timber piles.
    - b. Existing soil conditions.
    - c. Typical road pavement design section.
    - d. Typical apron pavement design section.
    - e. Utilities information.
    - f. Storm drainage materials.
    - g. Sanitary sewer materials.
  3. Existing drawings that pertain to the proposed project are required.
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4. Need locations for proposed utility tie-ins.
  5. Is the building floor to be pile supported?
  6. Why is built-up roof required? Standing seam roof is typically used with the rigid frame building.

