

STATEMENT OF WORK

Cell Phone Repeater

1.0 INTRODUCTION

This Statement of Work (SOW) describes the requirements for a cell phone repeater which will fix the reception problems for the occupants of building 20. The inner offices from building 20 primarily for the 1st and 2nd floor occupants are receiving poor cell phone reception from within the office when using personal cell phones. The affected cell phone providers reported are AT&T, Sprint, T-Mobile and Verizon.

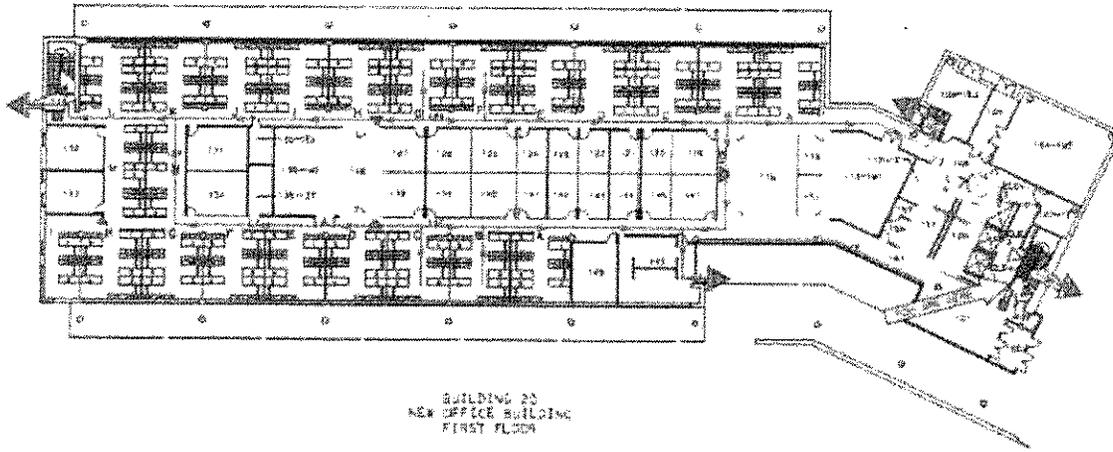
2.0 REQUIREMENTS

The NASA/JSC building requiring the repeater solution is approximately 55,000 square feet of cell coverage. Structural details include this is a flat roof building with a drop ceiling containing exposed concrete. Plenum rated cables are required if the cable is run in the subfloor area which is considered a plenum. All walls are framed using metal studs and floor/ceilings are corrugated steel/concrete/sheet metal sandwich construction. The vendor shall provide a building repeater solution that meets all JSC technical requirements as listed below in section 2.1, TECHNICAL REQUIREMENTS.

2.1 TECHNICAL REQUIREMENTS

1. Provide a building repeater solution which will increase cell phone signal strength within the inner offices due to dead zones for about 35 users.
2. This turnkey solution shall include hardware, software, installation, configuration, system start up and any associated labor cost.
3. Components shall be used to handle all frequencies for all cellular, PCS, LTE, and AWS carries.
4. Components that shall be supplied from the vendor are the necessary antennas, rubber mat, mounts, cables, splitters, combiners, adapters, lightning surge protector, connectors, couplers, grounding kit, weatherproofing kit, node A cellular 0.5W amplifier module, node A PCS 0.5W amplifier module, node A 700 LTE 0.5W amplifier module, node A AWS 0.5W amplifier module and the indoor wall mount node.

FLOOR PLAN - 1ST FLOOR



BUILDING 20
NEW OFFICE BUILDING
FIRST FLOOR

EVACUATION PLAN

EMERGENCY TELEPHONE - 33333

FIRE

WHEN NOTIFIED OR WHEN ALARM SOUNDS.

1. DO NOT ATTEMPT TO USE ELEVATOR.
2. DO NOT STAY IN AREA AND PROTECT AT LEAST 20 FEET FROM THE BUILDING.
3. REMAINS NEARBY IN CASE OF ASSISTANCE UNTIL ADVISED BY AREA OF SERVICE ASSISTANCE EMPLOYED TO AID.



SECURITY PROCEDURES

WHEN TO EVACUATING ARE AREA
THE EVACUATION IS IN PROGRESS
CONFIDENTIALITY OF THE FACILITY
WILL BE MAINTAINED BY ALL PERSONNEL
WHILE IN THE AREA OF SERVICE ASSISTANCE.

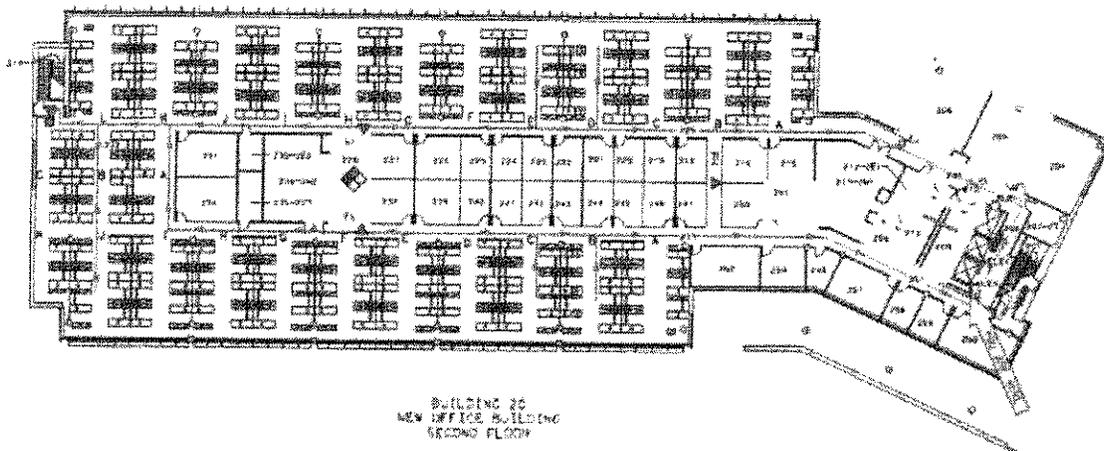
DO NOT FILE NAME REPORTS. DON

LEGEND:

- PRIMARY EVACUATION ROUTE
- SECONDARY EVACUATION ROUTE
- EMERGENCY SHELTER
- PRIMARY AREA OF SERVICE ASSISTANCE
- SECONDARY AREA OF SERVICE ASSISTANCE
- FIRE ALARM BOX
- FIRE EXTINGUISHER
- RED
- RADIOACTIVE MATERIAL AREA
- HAZARDOUS MATERIAL AREA

REV DATE: 01/11/77	FIRST FLOOR
REV BY: AMJ	
DRAWING NO.	20
FE#-20-	

FLOOR PLAN - 2nd FLOOR



BUILDING 20
NEW OFFICE BUILDING
SECOND FLOOR

EVACUATION PLAN

EMERGENCY TELEPHONE - 65555

FIRE

- WHEN NOTIFIED OF FIRE ALARM SOUND:
1. DO NOT ATTEMPT TO USE ELEVATORS.
 2. DO TO NEAREST EXIT AND PROCEED AT LEAST 25 FEET FROM THE BUILDING.
 3. REMAIN AWAY FROM EVACUATION ASSISTANCE UNLESS CALLED TO AREA OF RESCUE ASSISTANCE BY STAFF OR FIRE.



SECURITY PROCEDURES

BEFORE TO EVACUATING ARE USE
THE SECURITY OF ALL OFFICES
CONTAINERS ALL OFFICE MATERIALS
ARE REMOVED FROM ALL OFFICES
WHICH IS PRESENTLY KNOWN.

RAD FILE NAME: 10/10/10/10/10/10

LEGEND:

- PRIMARY EVACUATION ROUTE
- SECONDARY EVACUATION ROUTE
- EMERGENCY EXIT
- EMERGENCY AREA OF RESCUE ASSISTANCE
- EMERGENCY AREA OF RESCUE ASSISTANCE
- FIRE ALARM UNIT
- FIRE EXTINGUISHER
- MO
- HAZARDOUS MATERIAL AREA

REV. DATE: 01/10/10	SECOND FLOOR
REV. BY: AUC	20
DATE: 01/10/10	
FILE: 10-10-10	