

ADDENDUM NO. 19

**CITY OF HIALEAH
9 UNITS ELDERLY HOUSING
45 W 6TH ST
HIALEAH, FLORIDA**

December 13, 2011

TO ALL CONCERNED

The original Contract Documents, for the Project entitled **CITY OF HIALEAH – 9 Units Elderly Housing, ELECTRICAL BID NO. 2010/11-3230-00-030** is hereby amended as noted in this **Addendum No. 19**.

This **Addendum No. 19** consists of **2** Typed Pages, **0** Sketches, **1** Attachments and **0** Drawings. All other items and conditions of the original Contract Documents shall remain unchanged. This Addendum shall become a part of the Contract Documents.

Approved for issue:  Date: December 13, 2011
Oniel E. Toledo - Project Manager

ACKNOWLEDGEMENT

Receipt of this **Addendum No. 19** shall be acknowledged in the space provided on the **ADDENDUM RECEIPT FORM (ARF)** (copy attached) now a part of the Contract Documents and to be faxed immediately to City of Hialeah @ (305) 687-2642 and submitted with sealed bids.

ATTACHMENTS:

ATT-1 AT&T Requirements (Page 1 to 6)

CLARIFICATIONS:

1. Contractor must provide the temporary power and temporary lighting for the building. City will pay the monthly bill. Temporary lights may not be fed from final light fixtures wiring.
2. All conduit piping inside cast in place concrete must be either rigid or EMT. ENT (Electrical Non metallic Tubing) and MC cable are not allowed at any location within the building.
3. City will pay for the electrical permit. Contractor must pull permit.
4. All receptacles, including the TV and Comcast outlets, must be located at 18" center above finish floor.
5. A light fixture will be installed in each bedroom in lieu of the fan.
6. Light fixtures marked A-14 in bedroom have been eliminated.

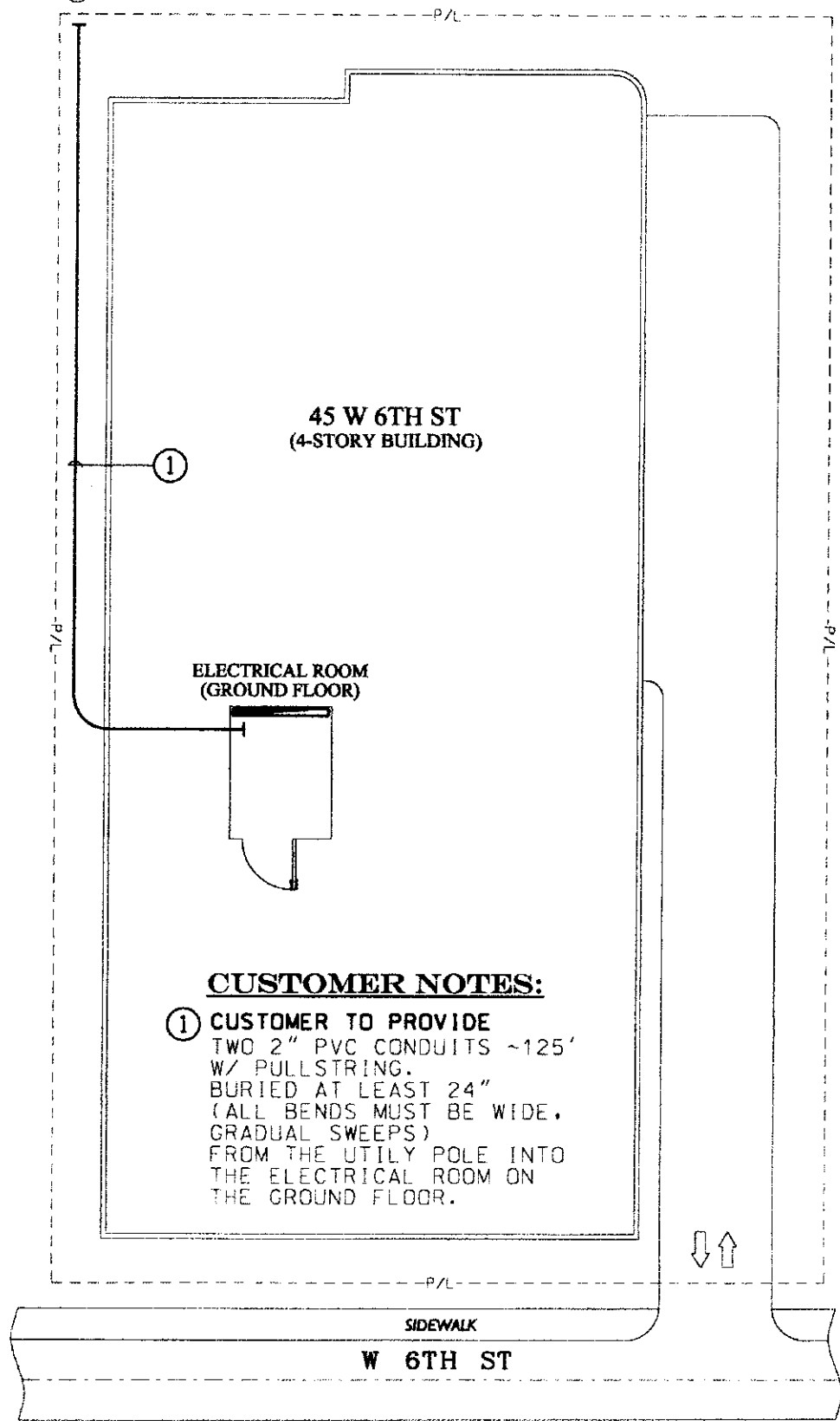
ADDENDUM NO. 19

**CITY OF HIALEAH
9 UNITS ELDERLY HOUSING**

7. A/C closet – A/C unit and water heater must be wired directly. No switch will be used.
8. Light in balcony will be located on ceiling and not on wall as shown on plans.
9. Electrical contractor must supply and install two smoke detectors and one carbon monoxide detector as per plans. Detectors must be 110V and have a back up battery.
10. There will be no light fixture on top of each apartment main entrance door.
11. Electrical contractor must comply with all AT&T requirements:
 - a) Installation of 2 – 2” PVC conduits, with pull string, from electrical room to utility pole. See note 1 on DWG 1 of 6.
 - b) Electrical contractor must provide a 4’ x 8’ x 3/4” plywood with ground and 120 V power. Plywood must be painted with black fire retardant paint.
 - c) All telephone riser conduits from the electrical room into each apartment must be a minimum of 3/4”.
 - d) Electrical contractor must provide all telephone wiring from the electrical room to each apartment with at least a 4 pair Category 5 cable or higher.
 - e) Please see Attachment (ATT-1) for more information.
12. FPL – Electrical contractor must provide 2 – 4” PVC conduits from the electrical room to a pole on the north-west corner of the property, approximately 100 ft away from the electrical room. The conduits will end on a pull box, provided by FPL, but installed by the electrical contractor.
13. Comcast – Electrical contractor must provide 2 – 2” PVC conduit from the electrical room to a pole on the north-west corner of the property, approximately 100 ft away from the electrical room, ending each one on a long sweep elbow against the pole.
14. Electrical contractor must provide 120 V power receptacle for fire alarm inside electrical room.
15. Electrical contractor must provide all necessary labeling for final inspection on every panel in the electrical room (elevator, cab lights, main panel, etc.) and on the apartments.
16. Building power shall be 120/208 V 3 Phase.
17. Eliminate five (5) outlets within kitchen area. Looking at Typical Unit 3 Electrical Plan as reference:
 - Two (2) outlets on north wall
 - Two (2) outlets on west wall
 - One (1) outlet on east wall
18. Living room light switch shall be relocated to wall next to A/C closet.
19. Dining area light shall have a three way switch. The three way shall be between a switch at main entrance and a new switch on wall next to kitchen.

SITE PLAN
ENTRANCE CABLE
 45 W 6TH ST
 N.T.S.

UTILITY
 POLE → ○



CUSTOMER NOTES:

- ① CUSTOMER TO PROVIDE TWO 2" PVC CONDUITS ~125' W/ PULLSTRING. BURIED AT LEAST 24" (ALL BENDS MUST BE WIDE, GRADUAL SWEEPS) FROM THE UTILITY POLE INTO THE ELECTRICAL ROOM ON THE GROUND FLOOR.



JOB: 880-11-0805
 PMTOOL: 1509907
 08/31/2011 AD
 PM: MS ENG: WC
 DWG: 1 OF 6



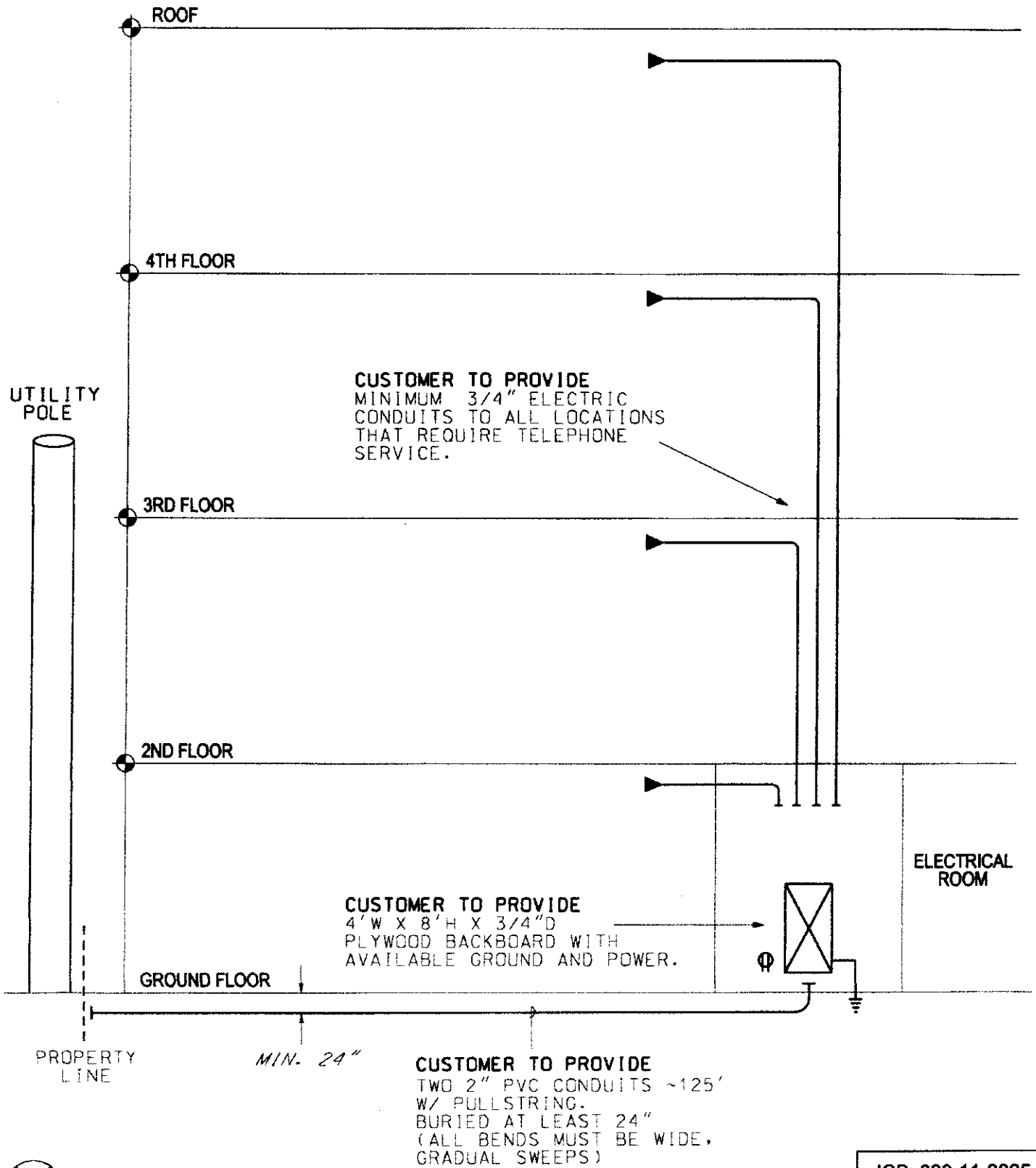
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TELEPHONE RISER DIAGRAM

ENTRANCE CABLE

45 W 6TH ST

N.T.S.



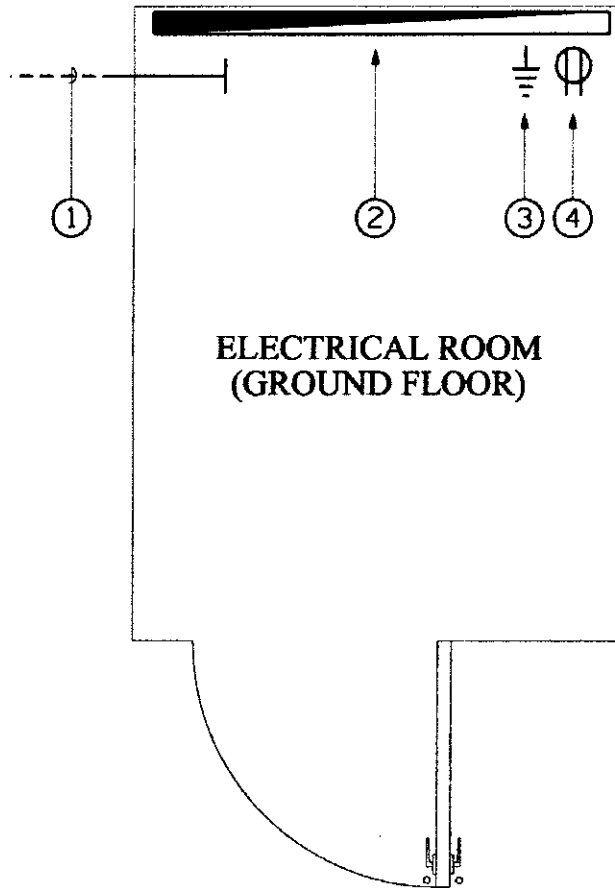
JOB: 880-11-0805
DWG: 2 OF 6

FLOOR PLAN

ENTRANCE CABLE

45 W 6TH ST

N.T.S.



CUSTOMER NOTES:

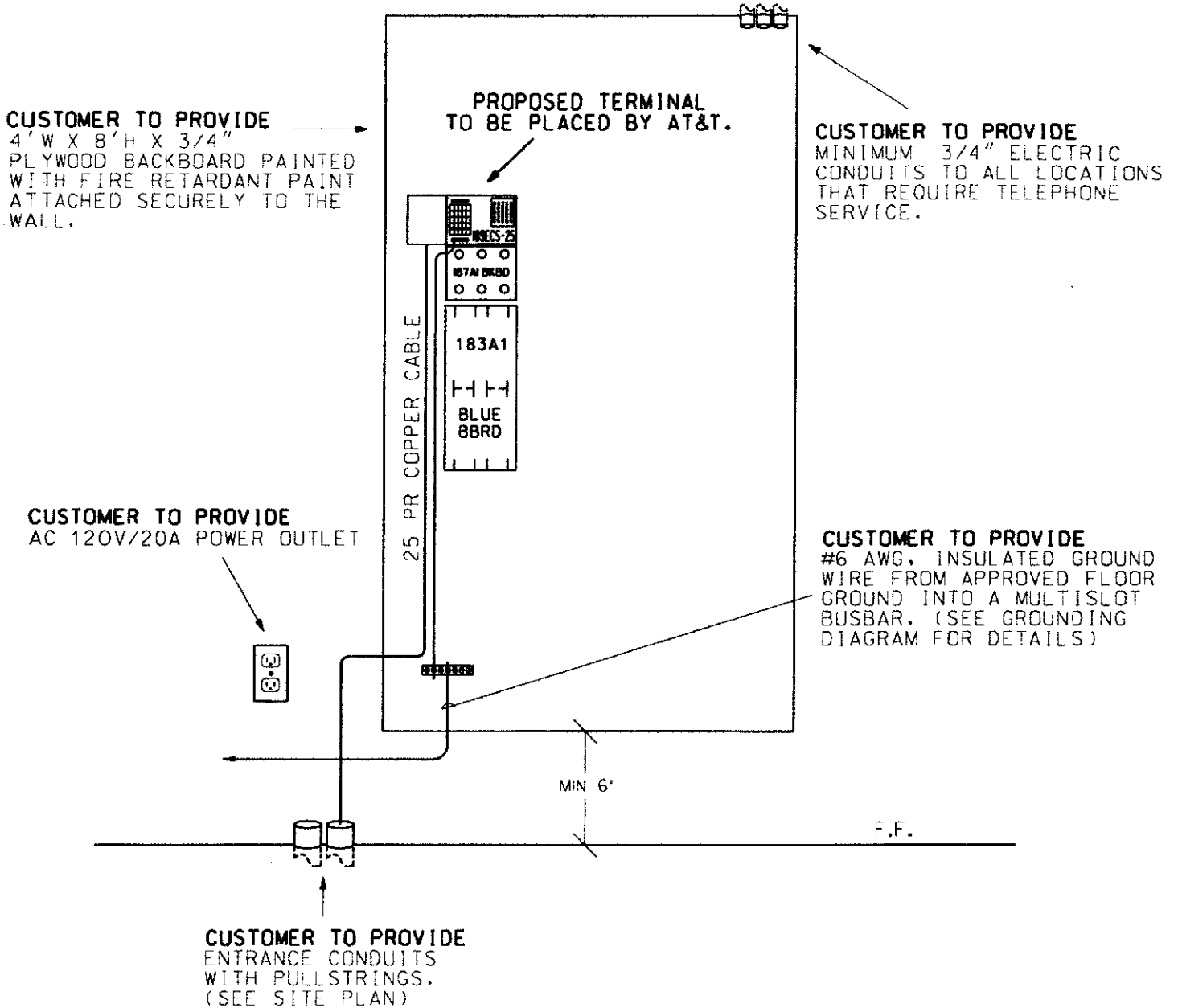
- ① **CUSTOMER TO PROVIDE**
TWO 2" PVC CONDUITS ~125'
W/ PULLSTRING,
BURIED AT LEAST 24"
(ALL BENDS MUST BE WIDE,
GRADUAL SWEEPS)
FROM THE UTILITY POLE INTO
THE ELECTRICAL ROOM ON
THE GROUND FLOOR.
- ② **CUSTOMER TO PROVIDE**
4' W X 8' H X 3/4" D
PLYWOOD BACKBOARD PAINTED WITH
FIRE RETARDANT PAINT ATTACHED
SECURELY TO THE WALL.
- ③ **CUSTOMER TO PROVIDE**
#6 AWG. INSULATED GROUND
WIRE FROM THE MAIN ELECTRICAL
GROUND INTO A MULTISLOT
BUSBAR. NO CUTS, SPLICES,
OR SHARP BENDS. IF ENCLOSED
IN EMT CONDUIT THEN BOTH ENDS
MUST BE BONDED.
(SEE GROUNDING DIAGRAM FOR
DETAILS)
- ④ **CUSTOMER TO PROVIDE**
AC 120V/20A POWER OUTLET



JOB: 880-11-0805
DWG: 3 OF 6

TERMINAL DETAIL

ENTRANCE CABLE
45 W 6TH ST
N.T.S.



NOTES:

1. ALL CONDUITS TO BE EQUIPPED WITH PULLSTRINGS.
2. 189ECS-25 TO BE EQUIPPED WITH 3B1E PROTECTORS.
3. CONSTRUCTION TO PLACE 183A1 BLUE BACKBOARD

LINE REQUIREMENTS

TOTAL * UNITS = 9

PRS REQUIRED $\frac{1.5}{*PRS/UNIT} \times \frac{9}{TOTAL * UNITS} = 14 PRS$

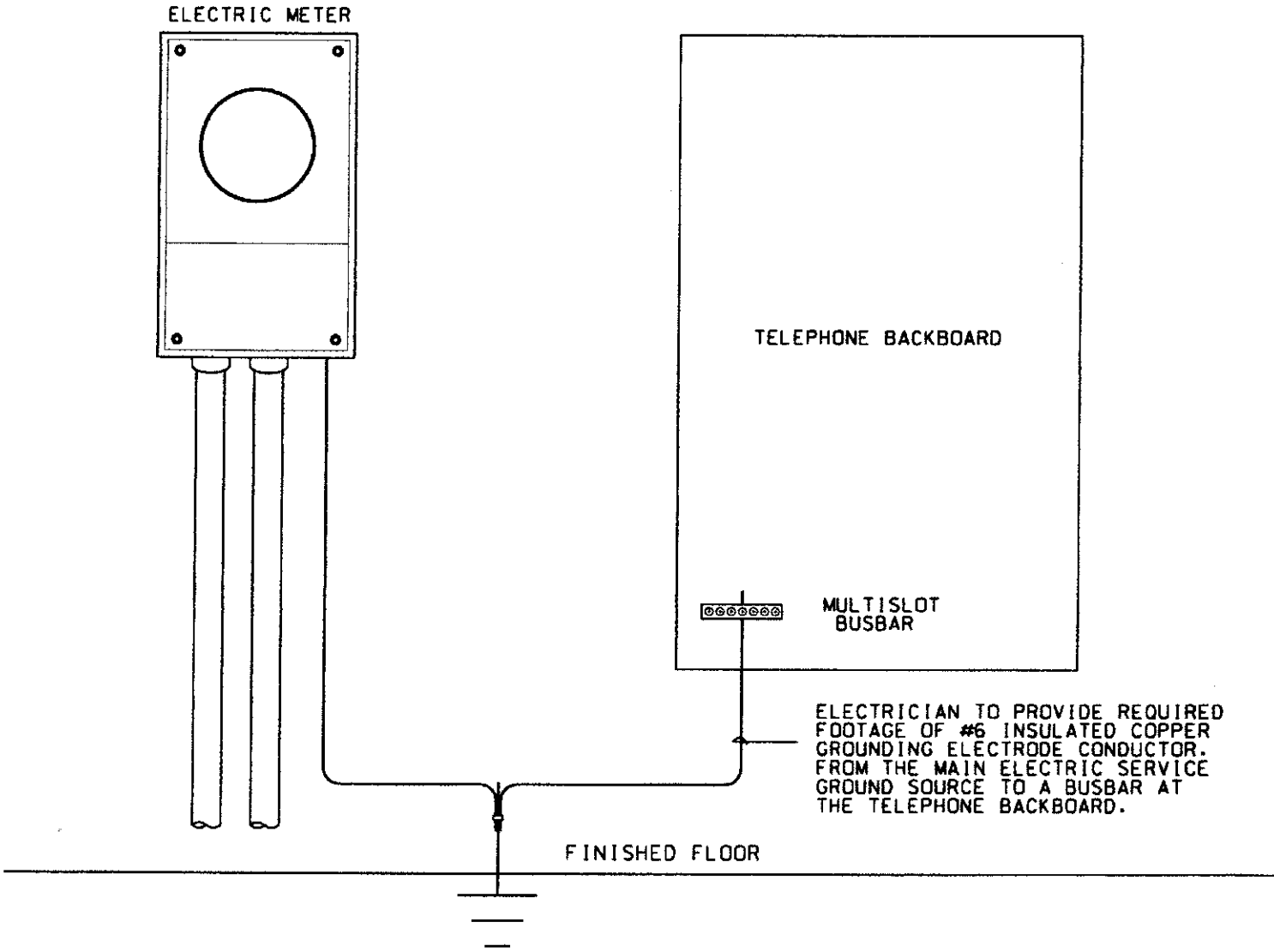
2YR FORECAST = 7



JOB: 880-11-0805
DWG: 4 OF 6

GROUNDING DIAGRAM

ENTRANCE CABLE
45 W 6TH ST
N.T.S.



ELECTRICIAN TO PROVIDE REQUIRED FOOTAGE OF #6 INSULATED COPPER GROUNDING ELECTRODE CONDUCTOR, FROM THE MAIN ELECTRIC SERVICE GROUND SOURCE TO A BUSBAR AT THE TELEPHONE BACKBOARD.



JOB: 880-11-0805
DWG: 5 OF 6

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General Notes:

The Building Owner is responsible for the following marked items as required by the General Subscribers Tariff:

1. (X) 48 hours prior to digging, call 811 to obtain the Underground Utilities Locator.
 2. (X) Entrance conduits should: A) be rigid metallic, gray PVC Schedule 40 or equivalent, B) have total bends not to exceed 180 degrees, C) buried at a minimum depth of 24", D) separated from power conduits by a minimum of 3" of concrete or 12" of well tamped earth, E) equipped with pull strings, F) be sealed at both ends (AT&T to replace seal after placing cable).
 3. (X) Stub up conduits at the bottom right corner of the painted telephone plywood backboards.
 4. (X) Station Conduits should: A) be metallic in air plenum space, B) total bends not to exceed 180 degrees, C) not to exceed 150 feet. If items (B) or (C) above are exceeded, an accessible pullbox with a removable cover is required in line with the conduit run. Minimum size 12"L x 6"W x 4"D. All conduits to be equipped with pullstring; (D) be sized as specified on riser diagram; (E) never be made out of corrugated plastic ("SMURF") or similar material; and (F) be terminated in a 1900 type 4" by 4" metallic electrical box w/w a single one gang mud ring inside each unit or tenant space. The box is to be located in an accessible code-permitting location.
 5. (X) All conduits bends to be long and sweeping with a minimum radius of 6 times the diameter for conduits up to 2 inches or 10 times for larger conduits. (No LB connectors permitted).
 6. (X) Riser sleeves are to be threaded, bushed, extended 2 "A.F.F. and equipped with metal caps.
 7. (X) Maintain the fire rating of all wall and floor penetrations through which telephone cables pass.
 8. (X) Provide an extension of the Building Grounding Electrode System for telephone equipment. The Grounding Conductor must be an insulated copper (solid or stranded) #6 AWG wire, run to the power Ground Rod in the most direct possible route to minimize voltage potential differences.
 9. (X) 3/4 " thick painted plywood backboard(s), sized as indicated by telephone riser diagram and detail sheets. Backboard(s) should be painted with black fire retardant paint.
 10. (X) Provide a 120 volt duplex receptacle adjacent to the telephone backboard.
 11. (X) Overhead lighting equivalent to 30 foot candles (measured at floor level), located at a minimum of 8' 6" above the finished floor.
 12. () If elevators are present, the builder should call the Business Office at 1-866-620-6000 or 1-800-753-8172 to order elevator emergency telephone lines a minimum of 1 week in advance of the desired service date to prevent a delay in the issuance of the Certificate of Occupancy.
 13. (X) It is the intent of these recommendations that equipment for the tenant telecommunication requirements be provided in the tenant space. In the event of a joint use telephone room, a distinct separation of telephone company facilities and customer provided equipment must be maintained.
 14. () Outside telephone enclosures must be NEMA 3R standard size with 3/4 inch plywood backboard, a ground wire (see #8 above) and have a hinged secure cover.
 15. (X) AT&T recommends all wiring placed by others to be at least 4 pairs, Category 5 or higher.
- FOR AT&T USE ONLY:
16. (X) If entrance cable protector is more than 50' from the building entrance point, cable sheath must be bonded to an approved ground within 50' of entrance point.
 17. (X) No exposed PVC telephone cables will be placed by AT&T in ducts, plenums or air handling equipment rooms used to transport environmental air.



JOB: 880-11-0805
DWG: 6 OF 6

ADDENDUM RECEIPT FORM

**CITY OF HIALEAH
9 UNITS ELDERLY HOUSING
45 W 6th ST
HIALEAH, FLORIDA**

CONTRACTOR'S NAME _____

ADDRESS _____

PHONE NO. _____ **FAX NO.** _____

CONTACT NAME _____ **SIGNATURE** _____

THE BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING ADDENDUM BY SIGNING AND DATING BELOW: (COPY OF THIS FORM MUST BE FAXED AND IMMEDIATELY TO CITY of HIALEAH @ (305) 687-2642

ADDENDUM

SIGNATURE

DATE

19

ELECTRICAL - 2010/11-3230-00-030

ARF