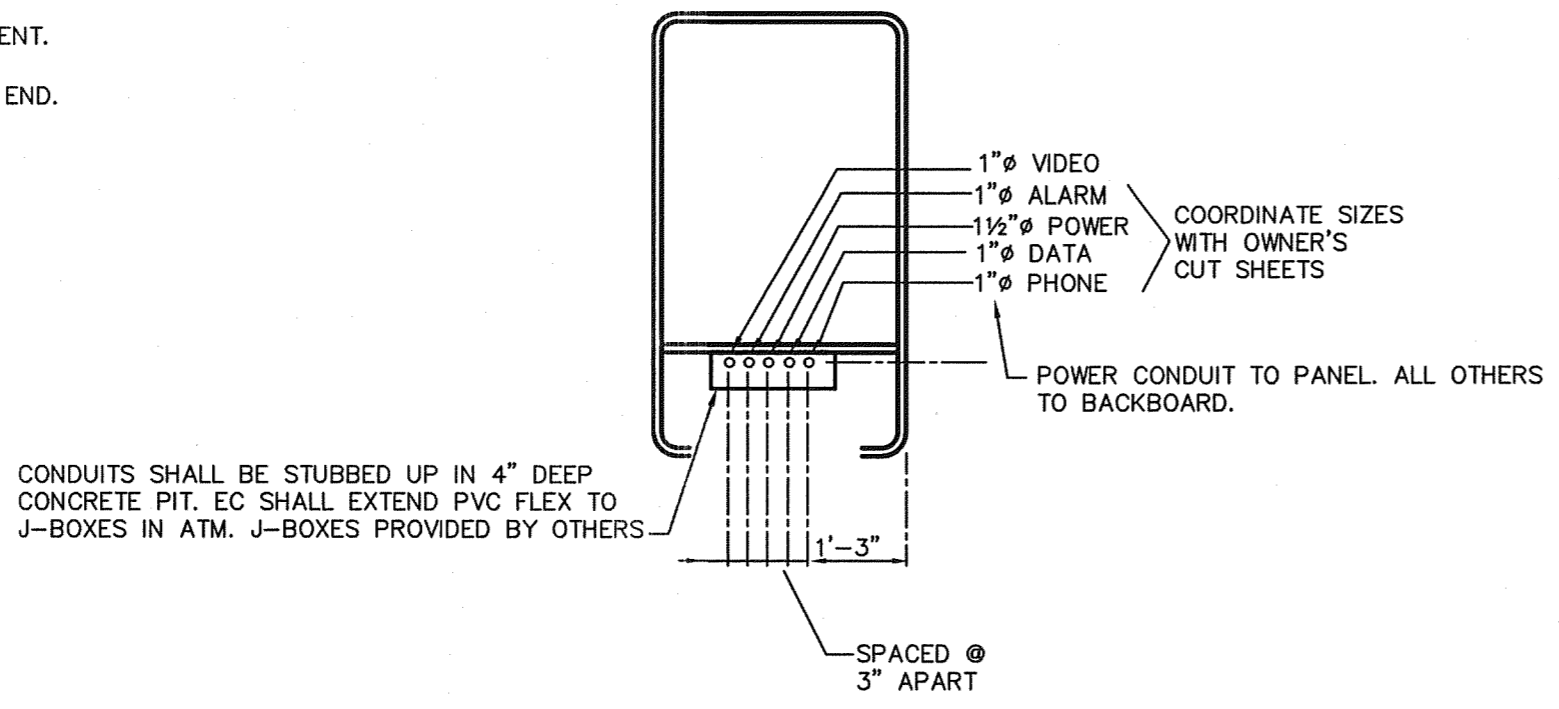


ELECTRICAL REQUIREMENTS

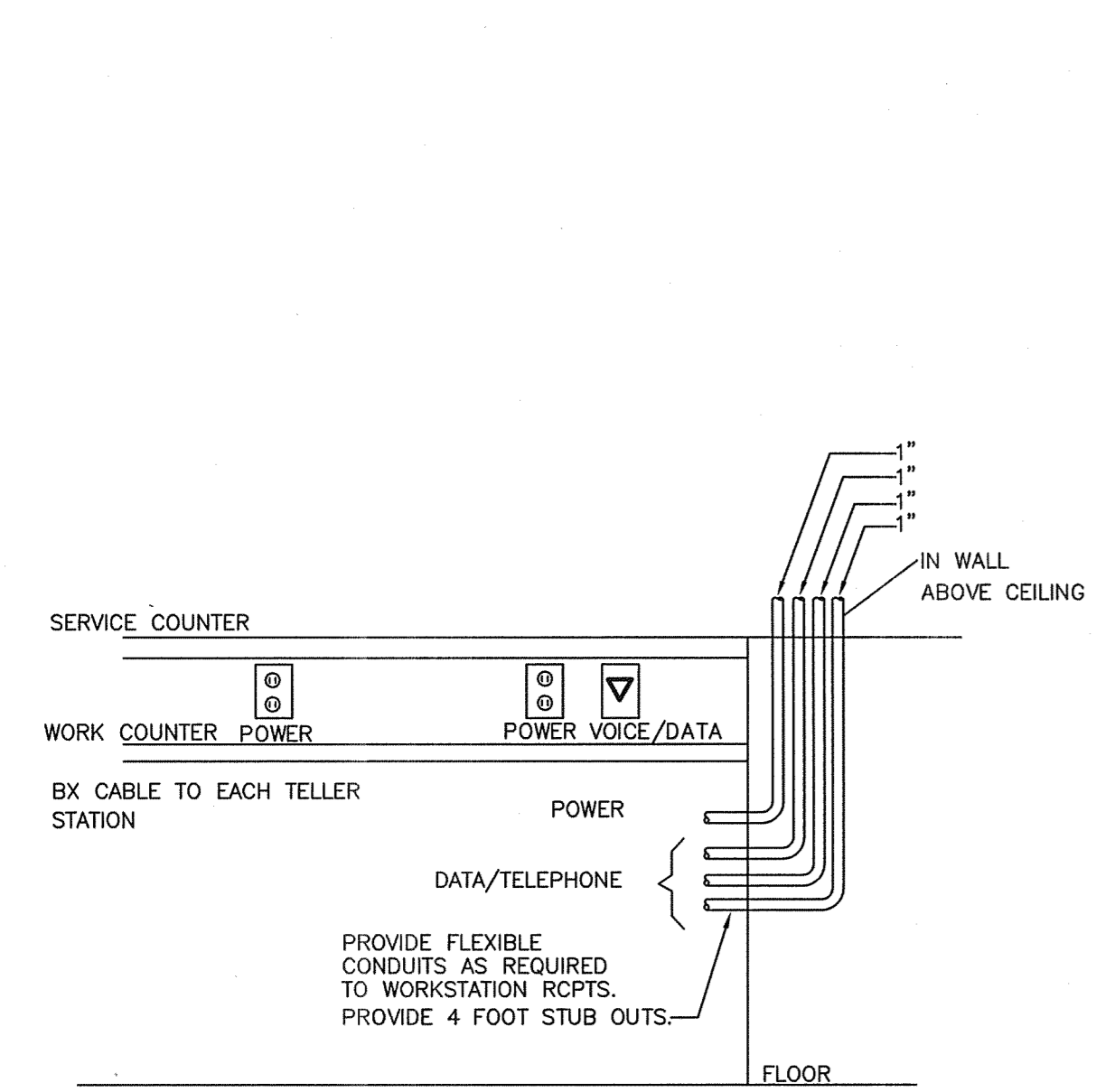
1. GENERAL
 - A. POWER CONSUMPTION DATA FOR EACH SYSTEM:
120 VOLTS SINGLE PHASE, 50/60 Hz FOR CONTROLS, BLOWER, AND EQUIPMENT CONNECTED TO THE CUSTOMER UNIT, FULL LOAD 11 AMPS.
120 VOLT RECEPTACLE FOR AUDIO AND TELLER UNITS 2 AMPS.
 - B. POWER VOLTAGE DROP AT EACH CUSTOMER UNIT MUST NOT EXCEED 3 PERCENT OF THE PANEL READING.
 - C. CONDUIT SIZES SHOWN ARE BASED ON MAXIMUM 100 FOOT WIRE RUN LENGTHS FROM THE PANEL TO THE CUSTOMER UNITS TO PROVIDE THE POWER WITHIN THE VOLTAGE DROP LIMITATIONS.
 - D. CONDUCTOR SIZES SHOWN ARE BASED ON THW OR THWN TYPE CONDUCTORS, WIRE SIZES AND THE NUMBER OF CONDUITS.
 - E. CONDUITS AS SHOWN ON THE SCHEMATIC DIAGRAM ARE FOR GENERAL CLARIFICATION AND ARE NOT INTENDED TO BE REPRESENTATIVE OF FIELD CONDITIONS. THE COMBINING OF CONDUCTORS INTO SINGLE CONDUITS, THE ADDITION OF JUNCTION BOXES, ETC. TO SATISFY PROJECT CONDITIONS IS TO BE DETERMINED AND FURNISHED BY THE ELECTRICAL CONTRACTOR PROVIDED:
 1. INDIVIDUAL CIRCUITS ARE PROVIDED FOR EACH SYSTEM.
 2. INSTALLATION CONFORMS TO THE NATIONAL ELECTRICAL CODE AND TO THE REQUIREMENTS OF CITY AND STATE ORDINANCES.
 3. POWER REQUIREMENTS TO EACH SYSTEM ARE SATISFIED.
 4. POWER WIRES CANNOT BE IN THE SAME CONDUIT WITH THE CONTROL CABLE.
 5. CONDUIT ENTRIES AT THE UNITS ARE NOT TO BE INSTALLED UNTIL THE TUBE IS IN PLACE.
2. THE FOLLOWING ELECTRICAL WORK RELATED TO THE DRIVE-UP FACILITY WILL BE ACCOMPLISHED BY BANK EQUIPMENT INSTALLER TO THE EXTENT INDICATED:
 - A. SIGNAL CABLES, INCLUDING CONNECTION AT TELLER AND CUSTOMER UNITS.
3. THE FOLLOWING ELECTRICAL WORK RELATED TO THE DRIVE-UP FACILITY SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR:
 - A. ALL CONDUCTORS, CONDUITS, PANELS, BOXES AND WIRING DEVICES.
 - B. SOURCE, DISTRIBUTION AND CONNECTION OF POWER TO OPERATE BANK EQUIPMENT.
 - C. PULLING OF SIGNAL CABLES INTO CONDUITS - ALLOW 6 FEET SLACK AT EACH END.
 - D. INTERIOR AND EXTERIOR LIGHTING AND SIGN WIRING.

GENERAL NOTES:

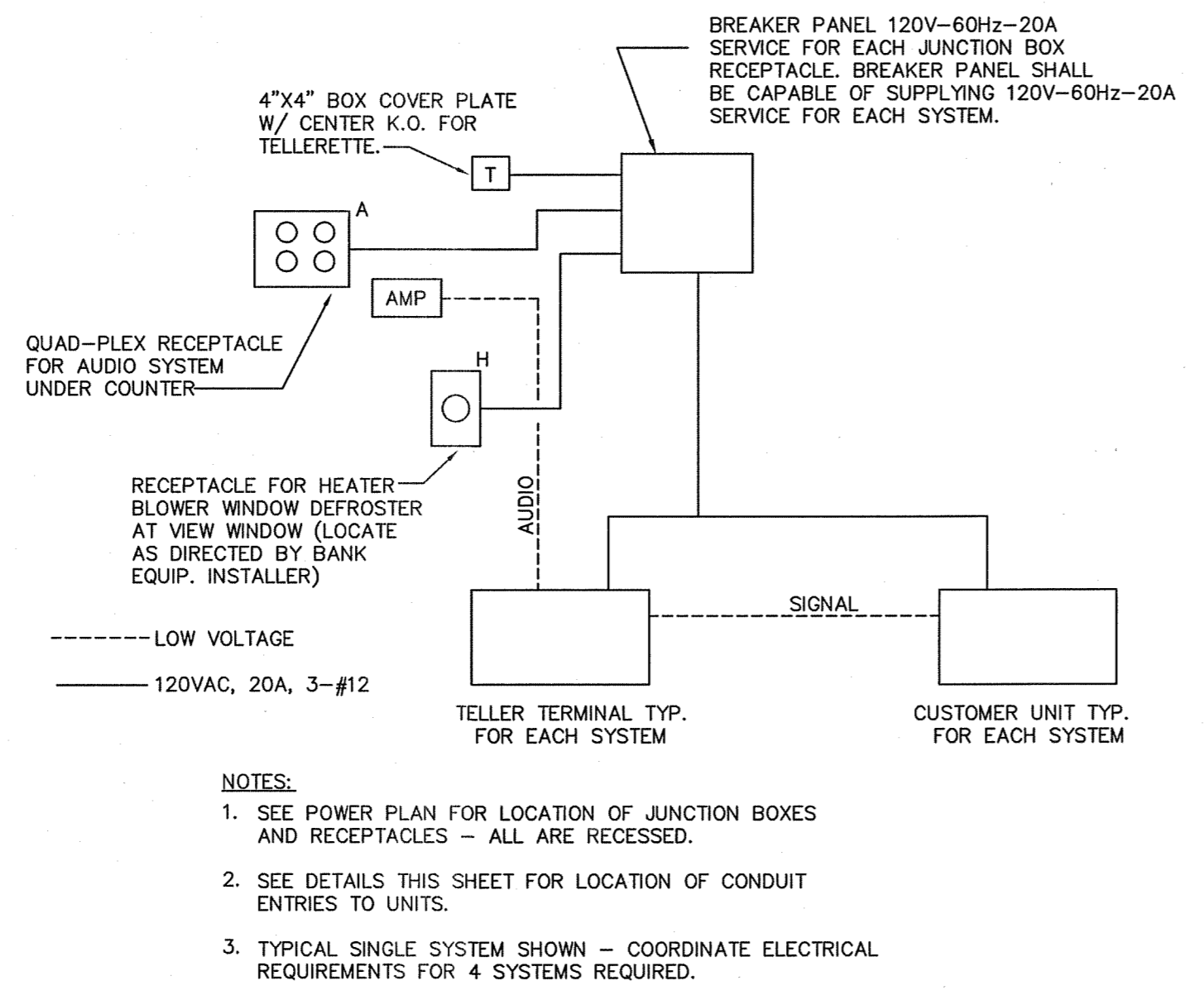
- GENERAL CONTRACTOR TO SUPPLY NECESSARY WALL OPENINGS, MOUNTING SUPPORTS, INSULATION, INTERIOR CANOPY CLEARANCE, ISLAND PREPARATION, GUARD POSTS AND ENTRY TUBES THROUGH CANOPY CEILING.
- GENERAL CONTRACTOR TO SUPPLY ACCESS HATCHES IN CANOPY OR ACCESS FROM BUILDING THROUGH CANOPY FOR SERVICING OF ELECTRICAL AND BLOWER MOTORS.
- GENERAL CONTRACTOR TO SUPPLY AND INSTALL MASONRY AND/OR MILLWORK FINISH WORK.
- ELECTRICAL CONTRACTOR TO SUPPLY ALL ELECTRICAL APPARTUS, CONDUIT, BOXES, FLEX AND 120VAC SEPARATE 20 AMP CIRCUITS PER SYSTEM, ACCORDING TO DWGS.
- ELECTRICAL CONTRACTOR SHALL ENSURE THAT EACH SYSTEM 120VAC CIRCUIT IS RUN DIRECTLY TO BUILDING POWER PANEL WITH 20 AMP BREAKERS.
- ELECTRICAL CONTRACTOR TO SUPPLY ALL CONDUIT AND BOXES INSIDE CANOPY. BANK EQUIPMENT INSTALLER TO SUPPLY WIRE FOR LOW VOLTAGE CONDUITS. INSTALLED BY ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL INSTALL ALL NECESSARY POWER WIRING.
- ELECTRICAL CONTRACTOR SHALL INSTALL ALL NECESSARY 120VAC CONDUIT AND WIRING FOR EACH SYSTEM PRIOR TO INSTALLATION AND WORK IN COORDINATION WITH BANK EQUIPMENT INSTALLER FOR CONNECTION OF VERTICAL CONDUIT AT TIME OF SYSTEM INSTALLATION.
- ALL CONDUIT TO BE 1/2" (OR AS OTHERWISE NOTED) RIGID GALVANIZED STEEL OR EMT AS INDICATED PER SPECIFICATIONS AND AS REQUIRED BY LOCAL ELECTRICAL CODES.
- VOLTAGE DROP AT BLOWER MOTORS MUST NOT EXCEED 3% OF PANEL READING.



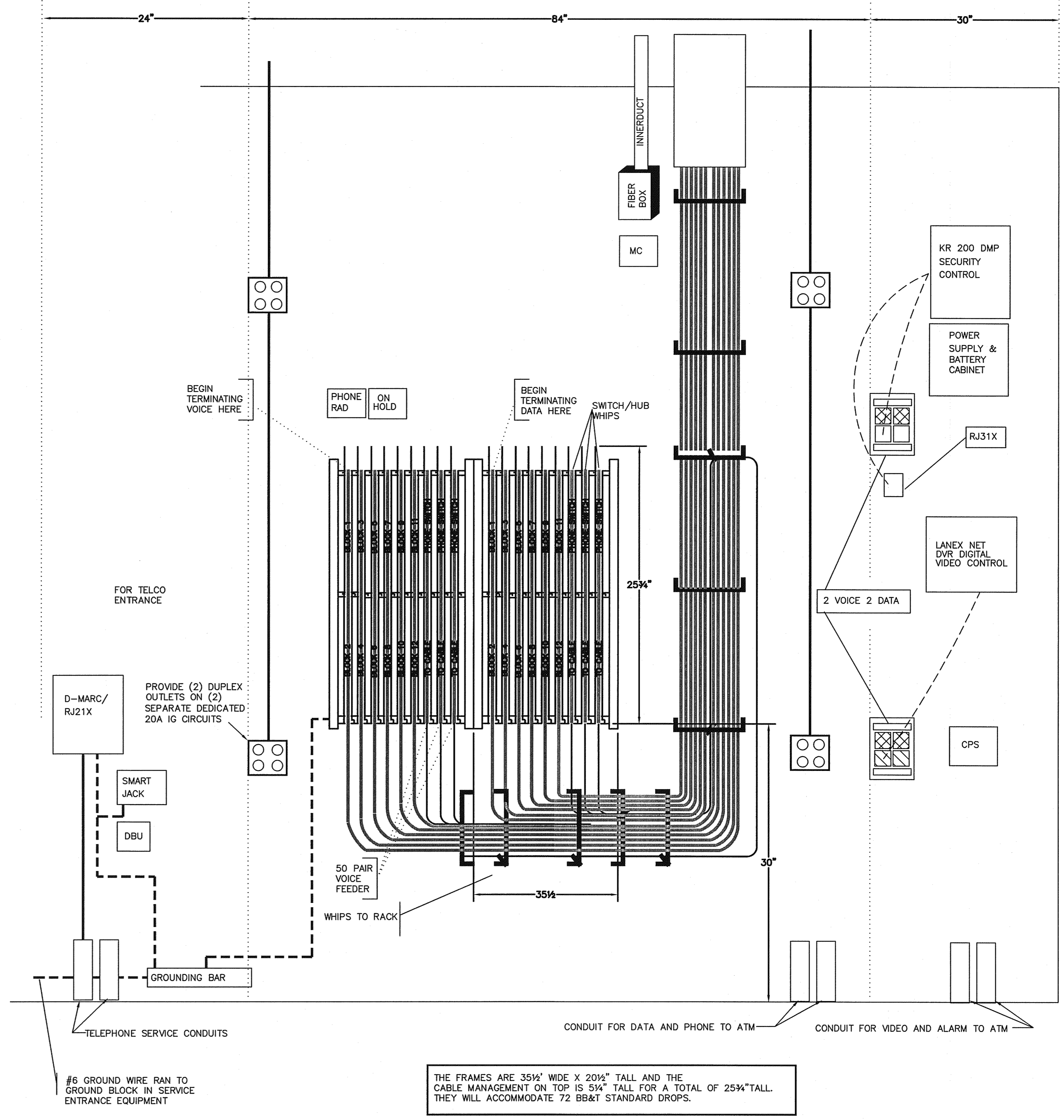
2 ELECTRICAL ROUGH-IN PLAN FOR ATM
NTS



1 TELLER STATION DETAIL
NTS (TYPICAL)



3 TYPICAL ELECTRICAL SCHEMATIC FOR TELLER-CUSTOMER UNIT WIRING
NTS



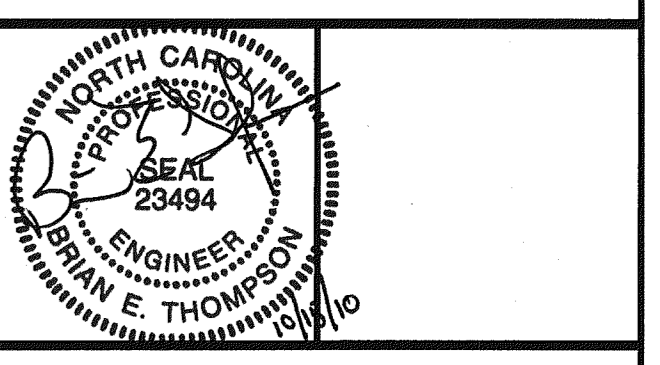
4 BACKBOARD - LAYOUT
NTS

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BB&T

BRANCH BANK
701 VILLAGE WALK DRIVE
HOLLY SPRINGS, NC
BB&T PLANON # DEN-0000126



- OWNER REVIEW
- PRELIMINARY DOCUMENTS
- DESIGN DEVELOPMENT DOCUMENTS
- PERMITTING DOCUMENTS
- BID DOCUMENTS
- CONSTRUCTION DOCUMENTS
- RECORD DOCUMENTS

REVISIONS:

JOB NO: 10036
SHEET

E3.2
DATE: 10/15/2010
DRAWN: MH/CMP