



SPECIFIC NOTES (POWER AND COMMUNICATION PLAN):

- ◆ RECEPTACLE ANTICIPATED TO BE USED FOR COPY MACHINE, FAX MACHINE, OR NETWORK PRINTER. RECEPTACLE SHALL BE DEDICATED 20-AMP, 120-VOLT.
- ◆ RECEPTACLE ANTICIPATED TO BE USED FOR PERSONAL COMPUTER EQUIPMENT.
- ◆ RECEPTACLES ANTICIPATED TO BE USED FOR MICROWAVE, COFFEE MAKER, UNDER-COUNTER REFRIGERATOR, VENDING MACHINE, OR OTHER APPLIANCE. PROVIDE A MINIMUM OF 1 RECEPTACLE FOR EVERY 4 FEET OF COUNTER SPACE. RECEPTACLES SHALL BE DEDICATED 20-AMP, 120-VOLT, GFI TYPE.
- ◆ PROVIDE JUNCTION BOXES (2 TOTAL) ABOVE ACCESSIBLE CEILING FOR POWER AND COMMUNICATION FEEDS TO MODULAR FURNITURE. ALLOW FOR A MINIMUM OF (1) 20-AMP, 120-VOLT CIRCUIT FOR EACH PAIR OF CUBICLES. PROVIDE A MINIMUM OF (4) CATEGORY 6 CABLES FROM THE COMMUNICATIONS ROOM PER CUBICLE. ROUTE 1-INCH CONDUIT FROM THE COMMUNICATION BOX TO THE NEAREST CABLE TRAY
- ◆ PROVIDE POWER POLE TO BRING POWER AND COMMUNICATION DOWN TO MODULAR FURNITURE.
- ◆ PROVIDE COMMUNICATION OUTLET WITH A MINIMUM OF (4) RJ-45 JACKS. ROUTE 1-INCH CONDUIT AND A MINIMUM OF (4) CATEGORY 6 CABLES TO CABLE TRAY ABOVE ACCESSIBLE CEILING. CONTINUE ROUTING COMMUNICATION CABLES IN CABLE TRAY TO COMMUNICATION ROOM. MAKE FINAL TERMINATIONS TO PUNCH BLOCKS IN COMMUNICATION ROOM. FINAL QUANTITY AND TYPES OF CABLES AND JACKS SHALL BE COORDINATED WITH THE OWNER BY THE FINAL DESIGN PROFESSIONAL.
- ◆ PROVIDE WALL-TYPE COMMUNICATION OUTLET WITH RJ-45 TELEPHONE JACK. ROUTE 1-INCH CONDUIT AND (1) CATEGORY 6 CABLE TO CABLE TRAY ABOVE ACCESSIBLE CEILING. CONTINUE ROUTING COMMUNICATION CABLE IN CABLE TRAY TO COMMUNICATION ROOM. MAKE FINAL TERMINATIONS TO PUNCH BLOCKS IN COMMUNICATION ROOM. FINAL QUANTITY AND TYPES OF CABLES AND JACKS SHALL BE COORDINATED WITH THE OWNER BY THE FINAL DESIGN PROFESSIONAL.
- ◆ PROVIDE LADDER-TYPE, ALUMINUM CABLE TRAY. WIDTH, DEPTH, AND RING SPACING SHALL BE DETERMINED BY THE FINAL DESIGN PROFESSIONAL IN ACCORDANCE WITH NEC REQUIREMENTS.
- ◆ FLUSH-MOUNTED, COMBINATION POWER AND COMMUNICATION FLOOR BOX (POKE THRU WITH (2) DUPLEX, 20-AMP RECEPTACLES AND (4) RJ-45 JACKS). PROVIDE DEDICATED, 20-AMP, 120-VOLT CIRCUIT TO EACH FLOOR BOX. ROUTE (4) CATEGORY 6 CABLES TO EACH FLOOR BOX VIA CONDUITS AND CABLE TRAY IN THE ACCESSIBLE CEILING OF THE FLOOR BELOW, AND BRING TO THE COMMUNICATION ROOM ON THE SAME FLOOR AS THE OUTLET. FLOOR BOX SHALL BE EQUAL TO WIREMOLD OR SERIES.
- ◆ PROVIDE 20-AMP, 120-VOLT RECEPTACLE FOR WATER FOUNTAIN.
- ◆ PROVIDE JUNCTION BOX WITH 20-AMP, 120-VOLT CIRCUIT FOR DISPLAY CASE LIGHTING.
- ◆ PROVIDE JUNCTION BOX AND 120-VOLT, 20-AMP CIRCUIT FOR AUTOMATIC DOORS. DOORS SHALL INTERLOCK WITH THE FIRE ALARM SYSTEM TO OPEN WHENEVER THE ATRIUM EXHAUST SEQUENCE IS INITIATED.
- ◆ PROVIDE JUNCTION BOX AND 120-VOLT, 20-AMP CIRCUIT ABOVE ACCESSIBLE CEILING (OR AT CEILING STRUCTURE IF EXPOSED) FOR AUDIOVISUAL PROJECTION EQUIPMENT.
- ◆ PROVIDE JUNCTION BOX AND 120-VOLT, 20-AMP CIRCUIT ABOVE ACCESSIBLE CEILING FOR MOTORIZED PROJECTION SCREEN.
- ◆ PROVIDE WALL PLATE WITH AUDIOVISUAL AND COMMUNICATION INPUT JACKS. AUDIOVISUAL INPUTS SHALL BE EXTRON AAP-TYPE INPUT MODULES. COORDINATE REQUIREMENTS WITH AUDIOVISUAL SYSTEM SUPPLIER.
- ◆ PROVIDE FURNITURE-MOUNTED RECEPTACLE, AUDIOVISUAL INPUTS, AND COMMUNICATION INPUT JACKS. AUDIOVISUAL INPUTS SHALL BE EXTRON AAP-TYPE INPUT MODULES. COORDINATE REQUIREMENTS WITH AUDIOVISUAL SYSTEM AND FURNITURE SUPPLIERS.
- ◆ PROVIDE CONVENTION CENTER TYPE MULTIPURPOSE FLOOR BOX FOR POWER, COMMUNICATIONS, AND AUDIOVISUAL CONNECTIONS. BOX SHALL BE EQUAL TO WIREMOLD CCFB SERIES. COORDINATE POWER, COMMUNICATIONS, AND AUDIOVISUAL REQUIREMENTS WITH THE END USER.
- ◆ RECEPTACLE ANTICIPATED TO BE USED FOR AUDIOVISUAL EQUIPMENT, IF LOCATED IN THIS ROOM.
- ◆ PROVIDE JUNCTION BOX AND 120-VOLT, 20-AMP CIRCUIT ABOVE ACCESSIBLE CEILING FOR MOTORIZED ROLL-DOWN SHUTTER.

1 POWER/COMMUNICATION PLAN - FIRST FLOOR

SCALE 1/8" = 1'-0"

PROJECT NORTH TRUE NORTH

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These drawings are conceptual in nature and are not suitable for construction. It is the intent of these documents to clearly delineate the baseline minimum scale, scope and quality of the project. It is the responsibility of the design-builder that his proposal provides for a complete and functional facility responding to relative Army National Guard criteria, recognized industry standards and applicable building codes regardless of the content of these conceptual drawings. Further, it will be the responsibility of the successful design-builder and his architect of record to prepare complete construction documents responding to the fullest intent of the conceptual drawings and specifications.

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**LOUISIANA ARMY NATIONAL GUARD
141st FIELD ARTILLERY BATTALION
READINESS CENTER**
JACKSON BARRACKS NEW ORLEANS, LOUISIANA



▲	2/22/06	PROG. REVIEW #1
▲	3/10/06	PROG. REVIEW #2
▲	3/27/06	PROG. REVIEW #3
▲	4/10/06	PROG. REVIEW #4
▲	5/3/06	PRELIM. DESIGN

MARK	DATE	DESCRIPTION
DRAWING ISSUED: 05/03/2006		

NGB PROJECT NO.: 220027

PRELIMINARY DESIGN

DRAWING TITLE:
**POWER AND COMMUNICATION PLAN
FIRST FLOOR**

DRAWING NUMBER:

E121
SHEET 84 OF 106