



**SPECIAL SYSTEM PLAN - MEZZANINE**

SCALE: 1/8" = 1'-0"



**SPECIFIC NOTES:**

- 1 PROVIDE A 4" X 4" X 2.125" SQUARE BOX WITH SINGLE GANG PLASTER RING FOR EACH COMMUNICATIONS OUTLET AND ROUTE FOUR CAT 6 CABLES (TWO FOR DATA AND TWO FOR TELEPHONE) IN ONE 1" CONDUIT FROM BOX TO ABOVE ACCESSIBLE CEILING AND THEN OVER TO CABLE TRAY. CABLES SHALL BE ROUTED IN CABLE TRAY BACK TO NMCI ROOM 110A.
- 2 PROVIDE AND INSTALL A 12" WIDE X 6" DEEP CABLE TRAY. SEE CABLE TRAY CUT SHEETS IN SPECIFICATION SECTION 16139. CABLE TRAY SHALL BE ROUTED ABOVE THE ACCESSIBLE CEILING IN CORRIDOR. COORDINATE ROUTING OF CABLE TRAY WITH OTHER TRADES.
- 3 PROVIDE AND INSTALL A 6" WIDE X 4" DEEP CABLE TRAY CENTER HUNG CABLE TRAY. SEE CABLE TRAY CUT SHEETS IN SPECIFICATION SECTION 16139. CABLE TRAY SHALL BE ROUTED ABOVE THE ACCESSIBLE CEILING IN CORRIDOR. COORDINATE ROUTING OF CABLE TRAY WITH OTHER TRADES.
- 4 PROVIDE A 4' X 8' X 3/4" FIRE RATED PLYWOOD BACKBOARD TO BE USED TO MOUNT BUILDING ENTRANCE CABLING SERVICE LOOPS, PROTECTOR FRAME AND GROUND BUS. PAINT BACKBOARD WHITE AND PROVIDE 3" D TYPE RING TO ROUTE CROSS CONNECTS FROM HOUSE CABLE TO FEEDER CABLES.
- 5 PROVIDE A SOLID COPPER GROUNDING BUSS BAR 1/4" THICK, APPROXIMATELY 2"X HIGH AND 12" LONG, INSTALLED WITH INSULATED STANDOFFS. USING A #4 INSULATED GROUND COPPER GROUND CONDUCTOR BOND THE TELECOM MAIN GROUND BUSS BAR TO MAIN BUILDING ENTRANCE GROUND. ALL EQUIPMENT RACKS AND METAL PARTS SHALL BE BONDED TO THE TELECOM GROUND BUSS.
- 6 PROVIDE A 4' X 8' X 3/4" FIRE RATED PLYWOOD BACKBOARD TO BE USED AS A CATV BACKBOARD.
- 7 PROVIDE DUAL SERVICE FLOOR BOX --SEE POWER PLAN FOR EXACT DESCRIPTION. ROUTE TWO CAT 6 CABLES (ONE FOR DATA AND ONE FOR TELEPHONE) IN ONE 1" CONDUIT FROM FLOOR BOX TO NEAREST WALL AND THEN UP WALL TO ABOVE ACCESSIBLE CEILING AND THEN OVER TO CABLE TRAY.
- 8 PROVIDE FLOOR MOUNTED NMCI CABINET CHATSWORTH MODEL #M1030-711 WITH HORIZONTAL CABLE MANAGEMENT AND ONE 48 PORT CAT 6 PATCH PANEL LEVINGTON CAT#69586-U48. THE CABINET SHALL BE SUPPLIED WITH A LOCK AND 2 SETS OF KEYS.
- 9 MONACO BTX 16 ZONE SECURITY COMMUNICATOR AND CONTROLLER. THIS COMMUNICATOR WILL COMMUNICATE WITH THE BASE MONACO D21 FORCE PROTECTION SYSTEM VIA NARROWBAND RADIO. COORDINATE THE EXACT LOCATION OF RADIO ANTENNA ON ROOF WITH OWNER AND GENERAL CONTRACTOR.
- 10 FIRE ALARM VOICE EVAC PANEL TO BE USED FOR MASS NOTIFICATION FOR BUILDING. ROUTE ONE DEDICATED TELEPHONE LINE TO PANEL.
- 11 FIRE ALARM POWER SUPPLY PANEL.
- 12 PROVIDE FIRE ALARM REMOTE ANNUNCIATOR RECESSED IN WALL AT LOCATION SHOWN.
- 13 PROVIDE EXTERIOR RATED SPEAKER FOR MASS NOTIFICATION.
- 14 SURFACE MOUNT THE EXISTING EMERGENCY PUSHBUTTON AT THE ENDS OF EACH WORKBENCH. THESE PUSHBUTTONS ARE TO BE RELOCATED WITH THE EXISTING WORKBENCHES. THE PUSHBUTTON SHALL BE WIRED TO KILL POWER TO ALL BENCH EQUIPMENT THROUGHOUT THE FACILITY. THESE PUSHBUTTONS SHALL SHUNT TRIP THE SHUNT TRIP CIRCUIT BREAKERS AS NOTED IN NOTES 6,7 AND 8 ON SHEET E9. VERIFY THE CONTROL POWER REQUIRED.
- 15 PROVIDE FIRE ALARM MONITOR MODULES TO MONITOR THE SPRINKLER FLOW AND TAMPER SWITCHES. COORDINATE WITH SPRINKLER CONTRACTOR FOR EXACT QUANTITY AND LOCATION OF SWITCHES.
- 16 ROUTE A 1" CONDUIT FOR A/V FROM BASE OF CONFERENCE ROOM TABLE TO WALL SHOWN AND THEN UP WALL TO ABOVE ACCESSIBLE CEILING AREA. PROVIDE A PULL STRING FOR A/V VENDOR TO INSTALL HIS CABLE.
- 17 ROUTE A CAT 6 CABLE FOR TELEPHONE IN .5" CONDUIT FROM SIEMENS CONTROL PANEL BACK TO TELEPHONE BACKBOARD.
- 18 PROVIDE A 4" X 4" X 2.125" SQUARE BOX WITH SINGLE GANG PLASTER RING FOR EACH CATV OUTLET AND ROUTE ONE RG-6 CABLE IN 3/4" CONDUIT FROM BOX TO ABOVE ACCESSIBLE CEILING AND THEN OVER TO CABLE TRAY. CABLES SHALL BE ROUTED IN CABLE TRAY BACK TO CATV BACKBOARD IN NMCI ROOM 110A.

**GENERAL NOTES**

- 1 CABLES FROM EACH COMMUNICATION OUTLET SHALL BE ROUTED BACK TO ROOM 110A VIA THE CABLE TRAYS PROVIDED. THE TWO DATA CABLES SHALL BE ROUTE TO NMCI CABINET AND THE TWO TELEPHONE CABLE SHALL BE ROUTE TO THE TELEPHONE BACKBOARD. ALL COPPER CABLE SHALL BE TERMINATED ON BOTH ENDS USING THE TIA/EIA-568-B.1-2000 CABLING STANDARD. A METER PATCH CORD MUST BE SUPPLIED FOR EACH WIRED PATCH PANEL PORT.

REV.	DESCRIPTION	DATE		APPROVAL
		T.N.	P.S.	
0	FINAL DESIGN			

MAS JRB New Orleans Belle Chasse, Louisiana

**NAVAIRSEFAC CALIBRATION BLDG.**  
**SPECIAL SYSTEM PLAN**  
**MEZZANINE**

DATE: AUGUST 14, 2008  
 EFD FOR COMMANDER, NAVFAC APPROVED



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**CONSULTING ENGINEERS**  
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**FINAL DESIGN**  
 Oct 29, 2009

**Nelson** WALDEMAR S. NELSON AND COMPANY  
 INCORPORATED  
 ENGINEERS AND ARCHITECTS  
 1200 ST. CHARLES AVE NEW ORLEANS, LA.

RECORD DRAWING DATE	XX-XXX-20XX
CODE I.D. NO.	D
DRAWING SIZE:	
SPEC. NO.06-	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15030968
SHEET	OF
<b>E-5.1</b>	