

**HILLSBOROUGH COUNTY SHERIFF'S OFFICE**

**STATION BATTERY CHECKS**

**BATTERY TEST DATA**

SITE NAME: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 TECHNICIAN: \_\_\_\_\_

SO No. \_\_\_\_\_  
 RACK No. \_\_\_\_\_

BATTERY SYSTEM:  
 MANUFACTURER: \_\_\_\_\_  
 SERIES: \_\_\_\_\_  
 RATING: \_\_\_\_\_

BATTERY TYPE \_\_\_\_\_  
 MODEL No. \_\_\_\_\_  
 AMBIENT TEMP. \_\_\_\_\_

BATTERY TEST DATA							
BATTERY	Inspection (1-5, 1 is "Excellent")	Voltage Float (Volts)	Voltage Equalize (Volts)	Ventilation (B)=Blocked	Visual Inspection (Y)=Casing Fine	Inter-Cell Link Torque	Remarks
Battery 1							
Battery 2							
Battery 3							
Battery 4							
Battery 5							
Battery 6							
Battery 7							
Battery 8							
Battery 9							
Battery 10							
Battery 11							
Battery 12							
Battery 13							
Battery 14							
Battery 15							
Battery 16							
Battery 17							
Battery 18							
Battery 19							
Battery 20							
Battery 21							
Battery 22							
Battery 23							
Battery 24							

TEST EQUIPMENT:  
 MODEL No. \_\_\_\_\_  
 MODEL No. \_\_\_\_\_

SERIAL No. \_\_\_\_\_  
 SERIAL No. \_\_\_\_\_

**HILLSBOROUGH COUNTY SHERIFF'S OFFICE**

**STATION BATTERY CHECKS**

**CHECKS AND TEST DATA**

SITE NAME: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 TECHNICIAN: \_\_\_\_\_

S.O. No. \_\_\_\_\_  
 RACK No: \_\_\_\_\_

**BATTERY SYSTEMS:**  
 MANUFACTURER: \_\_\_\_\_  
 SERIES: \_\_\_\_\_  
 RATING: \_\_\_\_\_

MODEL No: \_\_\_\_\_  
 SERIAL No: \_\_\_\_\_

(Included, but not limited to the following:)

DESCRIPTION OF BATTERY CHECKS	BATTERY CHECKS	REMARKS & RECOMMENDATIONS
Total System Voltage @ Terminals		
Measure Voltage/Load @ Power Board Meter		
Measure Continuity of Trays or Racks to Ground		
Measure Voltage to Ground		
Measure Battery String Voltage		
Measure Ambient Temperature		
100% Visual Inspection of Cells (see GNB Bat Checklist)		
Measure Float Current		
Determine Load Sharing of Chargers		
Check Ventilation for Proper Operation		
Determine Actual Load Current		
Estimate Backup Time Based Upon Actual Load		
Verify Connector/Cable Sizing is Adequate for Actual Load		
100% Check for Corrosion on Connections and Links		
Clean Battery and Area		
Visually Inspect Cables and Wire Trays		
Check Fuses/Breakers		

**TEST EQUIPMENT:**  
 MODEL No: \_\_\_\_\_  
 MODEL No: \_\_\_\_\_

SERIAL No. \_\_\_\_\_  
 SERIAL No. \_\_\_\_\_

**HILLSBOROUGH COUNTY SHERIFF'S OFFICE**

**PCP BATTERY CHARGERS**

**CHECKS AND TEST DATA**

SITE NAME: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 TECHNICIAN: \_\_\_\_\_

S.O. No. \_\_\_\_\_  
 RACK No: \_\_\_\_\_

BATTERY SYSTEMS:  
 MANUFACTURER: \_\_\_\_\_  
 SERIES: \_\_\_\_\_  
 RATING: \_\_\_\_\_

MODEL No: \_\_\_\_\_  
 SERIAL No: \_\_\_\_\_

(Included, but not limited to the following:)

DESCRIPTION OF CHARGER CHECKS	Y/N or Actual Reading	REMARKS & RECOMMENDATIONS
<b>Charger 1</b>		
Check all Digital Display Readouts		
Forced Paralleling (Y= functioning)		
Equalize Timer Setting (hours)		
Output Float Voltage Setting (Volts)		
Output Equalize Voltage Setting (Volts)		
High DC Voltage Shutdown Setting (Voltage)		
Check and Clean Fans		
Shut down AC breaker		
AC Failure Alarm (Y= ON)		
Battery Voltage Test		
Battery Voltage @10 min		
Battery Voltage @20 min		
Battery Voltage @30 min		
Battery Voltage @40 min		
Battery Voltage @60 min		
AC Breaker Switch ON		
<b>Charger 2</b>		
Check all Digital Display Readouts		
Forced Paralleling (Y= functioning)		
Equalize Timer Setting (hours)		
Output Float Voltage Setting (Volts)		
Output Equalize Voltage Setting (Volts)		
High DC Voltage Shutdown Setting (Voltage)		
Check and Clean Fans		
Shut down AC breaker		
AC Failure Alarm (Y= ON)		

BID 15-20: 700/800 MHz EDACS and P25 COMMUNICATIONS SYSTEM

DESCRIPTION OF CHARGER CHECKS	Y/N or Actual Reading	REMARKS & RECOMMENDATIONS
Battery Voltage Test		
Battery Voltage @10 min		
Battery Voltage @20 min		
Battery Votlage @30 min		
Battery Voltage @40 min		
Battery Votlage @60 min		
AC Breaker Switch ON		
<b>Both Chargers</b>		
Distribution Breaker Trip		
AC Failure Alarm functioning		
Low Voltage Disconnect Inspection		
Check and Torque all Connections		
Clean inside and outside of Chargers		
Check and Torque all Connections		

TEST EQUIPMENT:

MODEL No: \_\_\_\_\_

SERIAL No. \_\_\_\_\_

MODEL No: \_\_\_\_\_

SERIAL No. \_\_\_\_\_

# HILLSBOROUGH COUNTY SHERIFF'S OFFICE

## STATION BATTERY CELLS & BANKS

### UNDER FULL LOAD

SITE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

TECHNICIAN: \_\_\_\_\_

**BATTERY SYSTEMS:**

MANUFACTURER: \_\_\_\_\_

SERIES: \_\_\_\_\_

RATING: \_\_\_\_\_

CHARGER S.O. No. \_\_\_\_\_

RACK No: \_\_\_\_\_

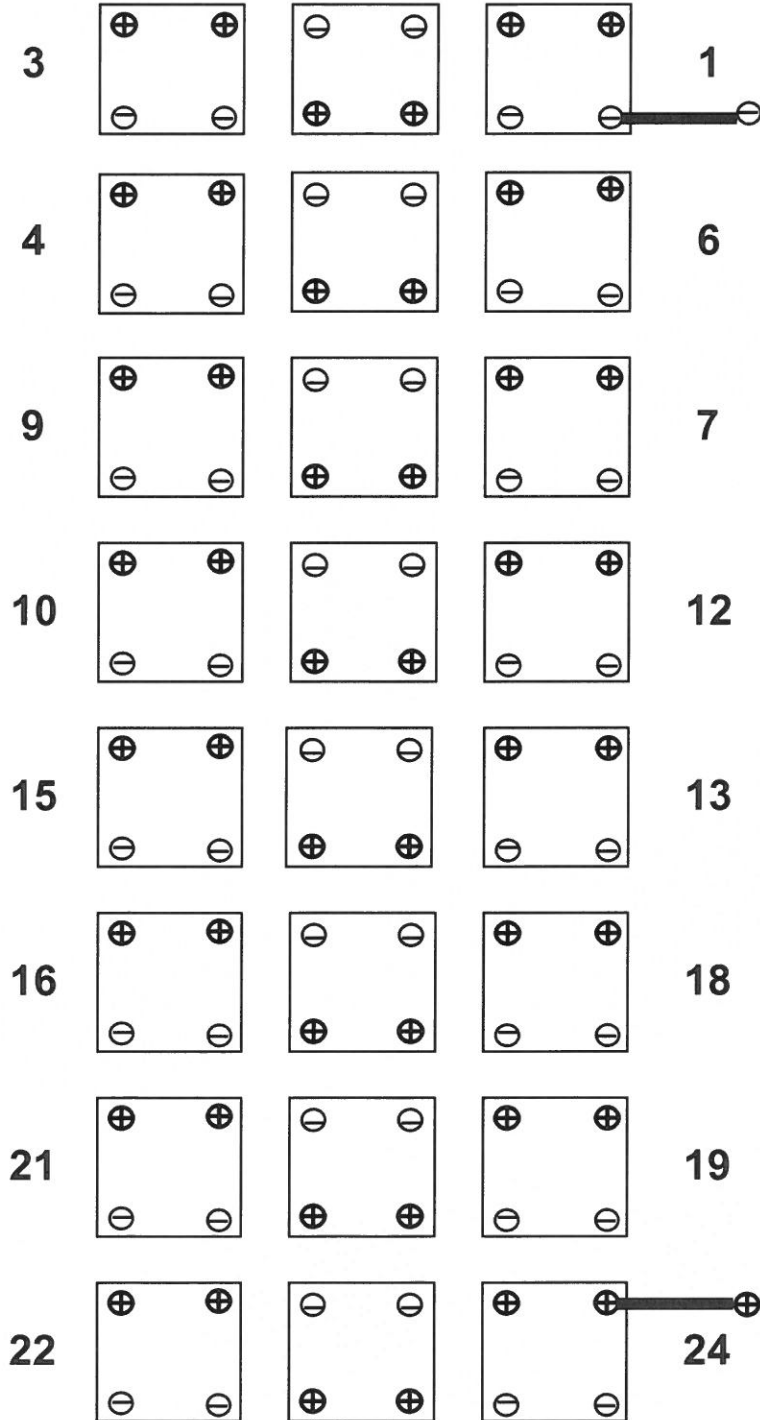
BATTERY S.O. No. \_\_\_\_\_

RACK No: \_\_\_\_\_

MODEL No: \_\_\_\_\_

SERIAL No: \_\_\_\_\_

BID 15-20: 700/800 MHz EDACS and P25 COMMUNICATIONS SYSTEM



<b>BANK VOLTAGE</b>	Volts
<b>LOAD CURRENT</b>	Amps

CELL NUMBER	VOLTS
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

# HILLSBOROUGH COUNTY SHERIFF'S OFFICE

## STATION BATTERY CELLS & BANKS

### UNDER FULL LOAD

SITE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

TECHNICIAN: \_\_\_\_\_

BATTERY SYSTEMS:

MANUFACTURER: \_\_\_\_\_

SERIES: \_\_\_\_\_

RATING: \_\_\_\_\_

CHARGER S.O. No. \_\_\_\_\_

RACK No: \_\_\_\_\_

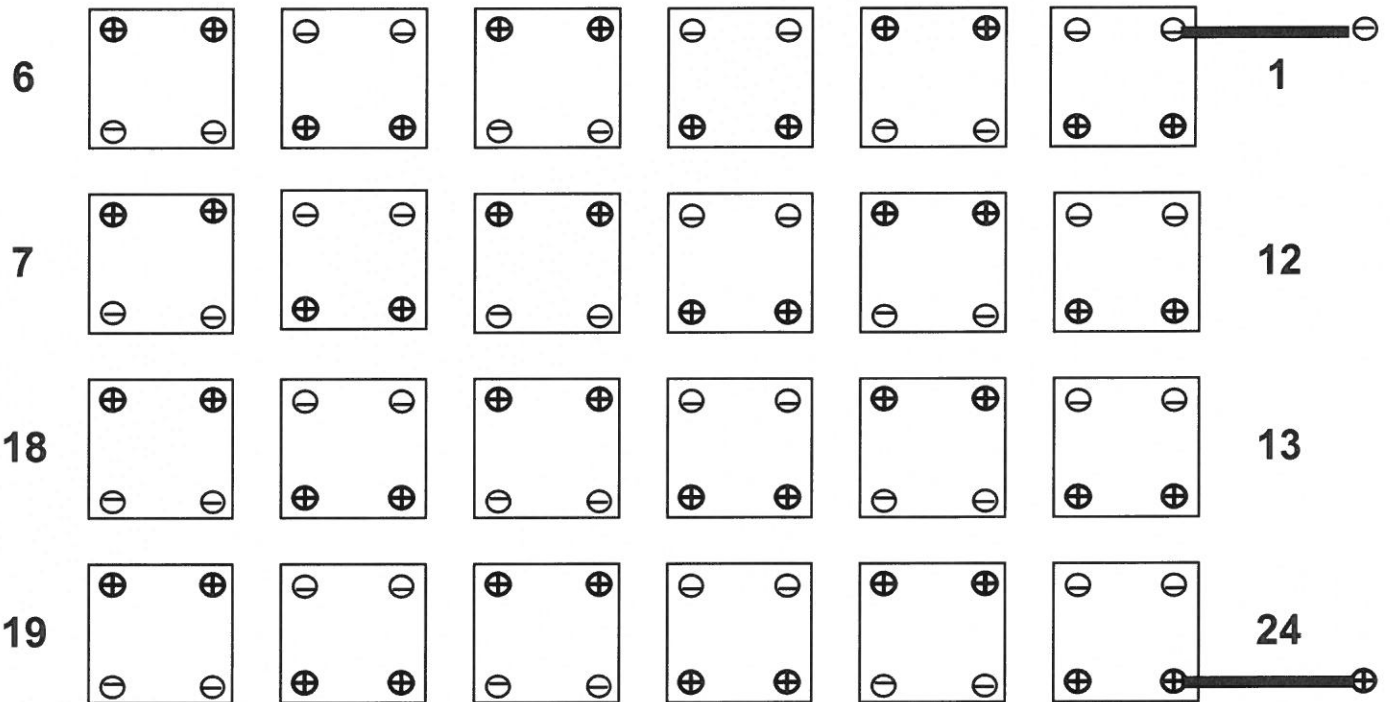
BATTERY S.O. No. \_\_\_\_\_

RACK No: \_\_\_\_\_

MODEL No: \_\_\_\_\_

SERIAL No: \_\_\_\_\_

BANK VOLTAGE	Volts
LOAD CURRENT	Amps



CELL NUMBER	VOLTS
1	
2	
3	
4	
5	
6	
7	
8	

CELL NUMBER	VOLTS
9	
10	
11	
12	
13	
14	
15	
16	

CELL NUMBER	VOLTS
17	
18	
19	
20	
21	
22	
23	
24	

BID 15-20: 700/800 MHz EDACS and P25 COMMUNICATIONS SYSTEM

# HILLSBOROUGH COUNTY SHERIFF'S OFFICE

## STATION BATTERY CELLS & BANKS

### FLOAT VOLTAGE

SITE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

TECHNICIAN: \_\_\_\_\_

BATTERY SYSTEMS:

MANUFACTURER: \_\_\_\_\_

SERIES: \_\_\_\_\_

RATING: \_\_\_\_\_

CHARGER S.O. No. \_\_\_\_\_

RACK No: \_\_\_\_\_

BATTERY S.O. No. \_\_\_\_\_

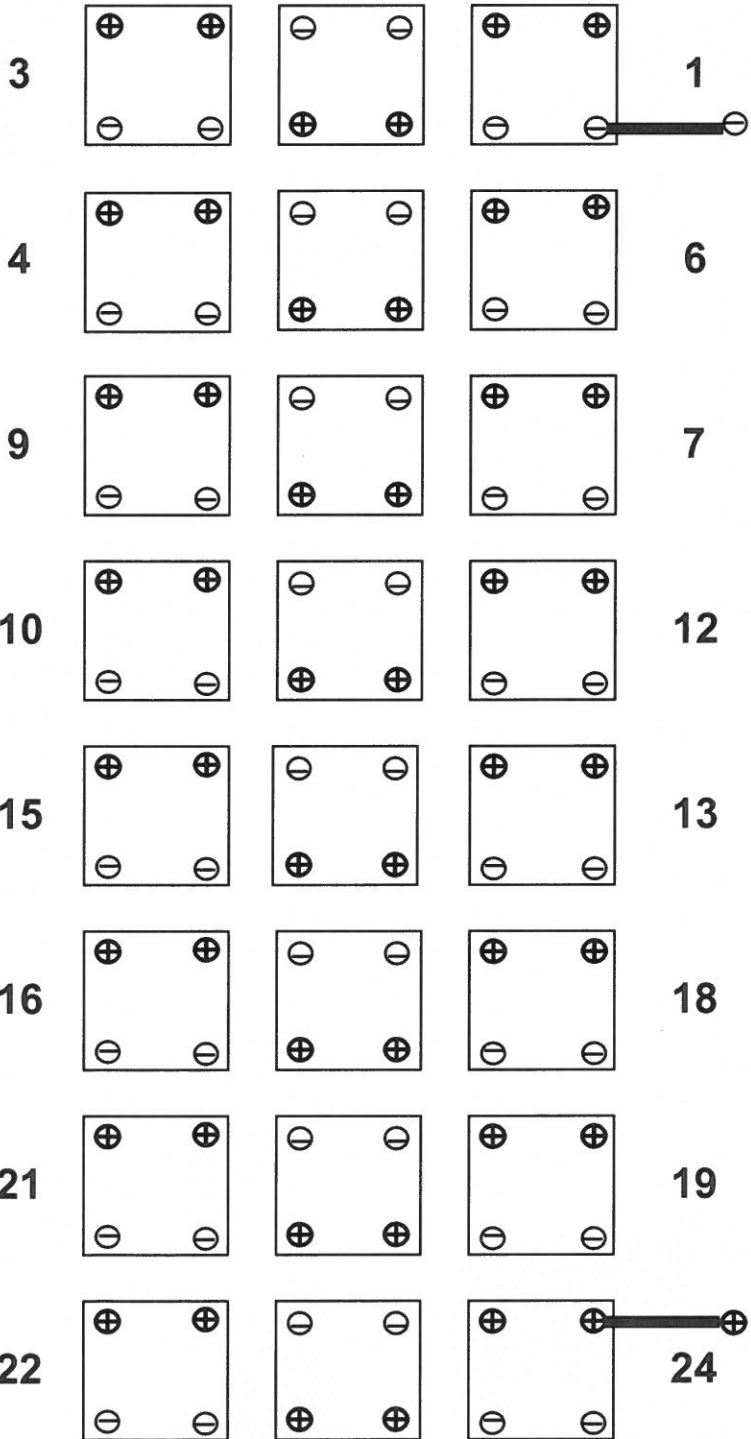
RACK No: \_\_\_\_\_

MODEL No: \_\_\_\_\_

SERIAL No: \_\_\_\_\_

BANK VOLTAGE	Volts
LOAD CURRENT	Amps

BID 15-20: 700/800 MHz EDACS and P25 COMMUNICATIONS SYSTEM



CELL NUMBER	VOLTS
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

# HILLSBOROUGH COUNTY SHERIFF'S OFFICE

## STATION BATTERY CELLS & BANKS

### FLOAT VOLTAGE

SITE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

TECHNICIAN: \_\_\_\_\_

BATTERY SYSTEMS:

MANUFACTURER: \_\_\_\_\_

SERIES: \_\_\_\_\_

RATING: \_\_\_\_\_

CHARGER S.O. No. \_\_\_\_\_

RACK No: \_\_\_\_\_

BATTERY S.O. No. \_\_\_\_\_

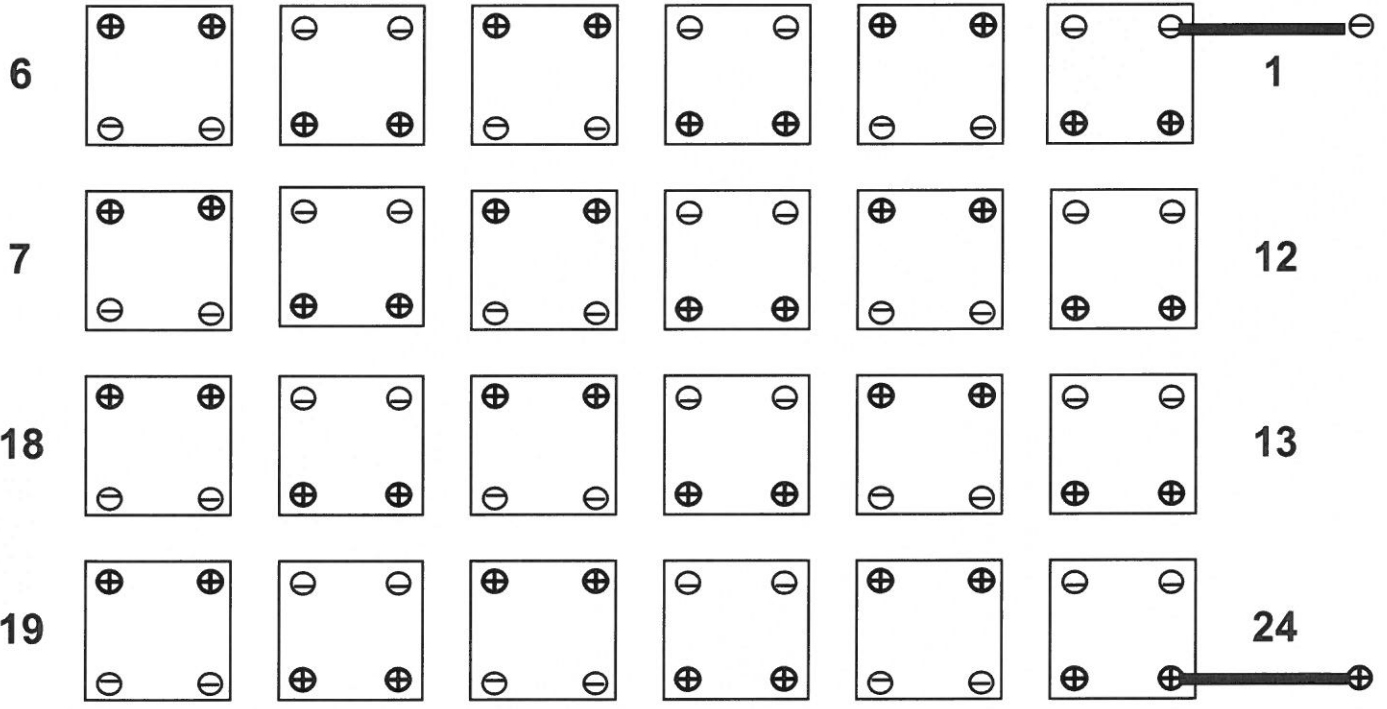
RACK No: \_\_\_\_\_

MODEL No: \_\_\_\_\_

SERIAL No: \_\_\_\_\_

BANK VOLTAGE	Volts
LOAD CURRENT	Amps

BID 15-20: 700/800 MHz EDACS and P25 COMMUNICATIONS SYSTEM



CELL NUMBER	VOLTS
1	
2	
3	
4	
5	
6	
7	
8	

CELL NUMBER	VOLTS
9	
10	
11	
12	
13	
14	
15	
16	

CELL NUMBER	VOLTS
17	
18	
19	
20	
21	
22	
23	
24	