

STEP-D.
BEFORE CUTOVER THE CONTRACTOR SHALL INSTALL 3 NEW FEEDER
CABLES FROM NEW UPS DISTRIBUTION PANELBOARD TO THE
FOLLOWING:

## UPS-1 PANELBOARD 1ST FLOOR COMMUNICATIONS ROOM:

CONTRACTOR TO INSTALL NEW FEEDER CABLE AND CONDUIT TO UPS-1. CONTRACTOR MUST BE AWARE THAT FLOOR MUST BE CORE DRILLED TO ROUTE CONDUIT RISER TO 1ST FLOOR. SUGGESTED CONDUIT ROUTING IS SHOWN FOR CONTRACTOR REFERENCE ONLY. CONTRACTOR SHALL DETERMINE BEST CONDUIT ROUTING PATH AND CORE DRILLING LOCATIONS AND REVIEW WITH 1DOT PRIOR TO PROCEEDING. REFERENCE PARTIAL ELECTRICAL PLAN. THIS SHEET. NOTE: NEW PANELBOARD SHALL BE RECESSED TYPE. AFTER INSTALLATION OF PANELBOARD THE WALL SHALL BE RESTORED TO MATCH PRIOR EXIST. CONDITION INCLUDING BUT NOT LIMITED TO PAINT TO MATCH EXSITING WALL COLORS. COORDINATE WITH 1DOT PROJECT ENGINEER PRIOR TO ALTERING WALL IN ANYWAY.

## UPS-2 PANELBOARD 1ST FLOOR COMMUNICATIONS ROOM.

CONTRACTOR TO INSTALL NEW FEEDER CABLE AND CONDUIT TO UPS-2. CONTRACTOR MUST BE AWARE THAT FLOOR MUST BE CORE DRILLED TO ROUTE CONDUIT RISER TO 1ST FLOOR. CONTRACTOR SHALL DETERMINE BEST CONDUIT ROUTING PATH AND CORE DRILLING LOCATIONS AND REVIEW WITH 1DOT PRIOR TO PROCEEDING. REFERENCE PARTIAL ELECTRICAL PLAN. THIS SHEET. NOTE: NEW PANELBOARD SHALL BE RECESSED TYPE. AFTER INSTALLATION OF PANELBOARD THE WALL SHALL BE RESTORED TO MATCH PRIOR EXIST. CONDITION INCLUDING BUT NOT LIMITED TO PAINT TO MATCH EXSITING WALL COLORS. COORDINATE WITH 1DOT PROJECT ENGINEER PRIOR TO ALTERING WALL IN ANYWAY. INSTALLATION OF PANELBOADD UPS-3 SHALL BE THE SAME AS DESCRIBED FOR UPS-1 AND UPS-2 ABOVE. ALL THE AFORMENTIONED PANELBOARDS SHALL BE 100 AMP. 120/208 VOLT, THREE PHASE. 4 WIRE PLUS GROUND BAR. PANELS SHALL HAVE CAPACITY FOR 42 CIRCUITS.

THE ABOVE WIRES SHOULD BE PRE-PULLED IN ADVANCE OF CUTOVER DATE LEAVING 5 FEET OF WIRED COILED FOR FINAL TERMINATION AT PANELBOARD. NOTE: THE EXIST. POWER DISTRIBUTION SYSTEM MUST BE LEFT OPERATIONAL UNTIL PRIOR APPROVAL IS RECEIVED FROM 100T FOR AN ACCEOTABLE CUTOVER DATE AND TIME.

AFTER THE SUCCESSFUL TRANSFER OF LOADS OF THE 1ST SYSTEM. THE SAME PROCEDURE SHOULD BE FOLLOWED FOR TRANSFER OF LOADS FOR THE 2ND UPS SYSTEM.

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UPGRADE AND REPLACEMENT OF BATTERIES AFTER UPS ON-LINE

PHASE TWO STEP-A.

THE CONTRACTOR SHALL START THE REMOVAL OF EXIST, WET CELL BATTERIES FROM EXIST, BATTERY ROOM.

BATTERIES SHALL BE REMOVED AND DISPOSED OF TO MEET ALL EPA REGULATIONS AND GUIDELINES FOR DISPOSAL OF HAZARDOUS MATERIAL.

STEP-C.
INSTALL NEW BATTERY RACKS TO COMPLY WITH SEISMIC 1
CONSIDERATIONS FOR EARTHQUAKES.

STEP-D. IF APPLICABLE, INCREASE SIZE OF EXIST. WALL MOUNTED BATTERY BREAKER TO COMPLY WITH MANUFACTURERS

RECOMMENDATION.
STEP-E.
CONTRACTOR TO INSTALL NEW CONDUIT AND WIRING FROM BATTERY
BANK TO NEW 40 KVA UPS SYSTEM AS REQUIRED TO MEET
MANUFACTURERS REQUIREMENTS. NOTE: EXIST. CONDUIT AND/OR
DC CABLING MAY BE RE-USED OR RUN IN PARALLEL WITH NEW

MANUFACTURERS REQUIREMENTS. NOTE: EXIST. CONDUIT AND/O DC CABLING MAY BE RE-USED OR RUN IN PARALLEL WITH NEW WIRNG TO MEET INCREASED CAPACITY REQUIREMENTS FOR NEW 40KVA UPS.

BATTERY ROOM FACILITY MODIFICATIONS
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CONTRACTOR TO COORDINATE WITH DEPARTMENT THE PARTIAL
REMOVAL OF EXIST. WALLS AT EXIST. LOWER LEVEL BATTERY
ROOM AS NECESSARY FOR THE CONSTRUCTION OF NEW DIVIDING
WALL PARTITION AND NEW DOOR INSTALLATION FOR THE NEW
STORAGE ROOM. CONTRACTOR TO MATCH EXIST. WALL
CONSTRUCTION AND FINISHES UNLESS OTHERWISE DIRECTED BY
DEPARTMENT. THE CEILING AREA AROUND THE AIR CONDITIONING
DUCTS SHALL BE SEALED. A NEW DOOR SHALL BE INSTALLED ON
NORTHEAST WALL OF STORAGE ROOM AS SHOWN ON PARTIAL LOWER
LEVEL PLAN. DOOR/FRAME SIZE, MATERIAL, HARDWARE, FINISH
SHALL MATCH THAT OF EXIST. BATTERY ROOM DOOR AND SHALL
HAVE A MATCHED KEY LOCK PER DIRECTION OF THE ENGINEER.

DT-12E

MATCHED KEY LOCK PER	R DIRECTION OF THE ENGINEER	. DI 12L	
REVISIONS ILLINOIS DEPARTMENT OF TR		TRANSPORTATION	W .
TANE DATE	F.A.I. 94/90 (DAN RY	AN EXPRESSWAY)	2
	31st STREET to	I-57	50.5
	PROPOSED UPS EQUIPME (SCHAUMBURG COMMUN)		004 10:
	SCALE: AS SHOWN ON PLANS	DRAWN BY: JM	372
	DATE: October 29, 2004	CHECKED BY: CS	][
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