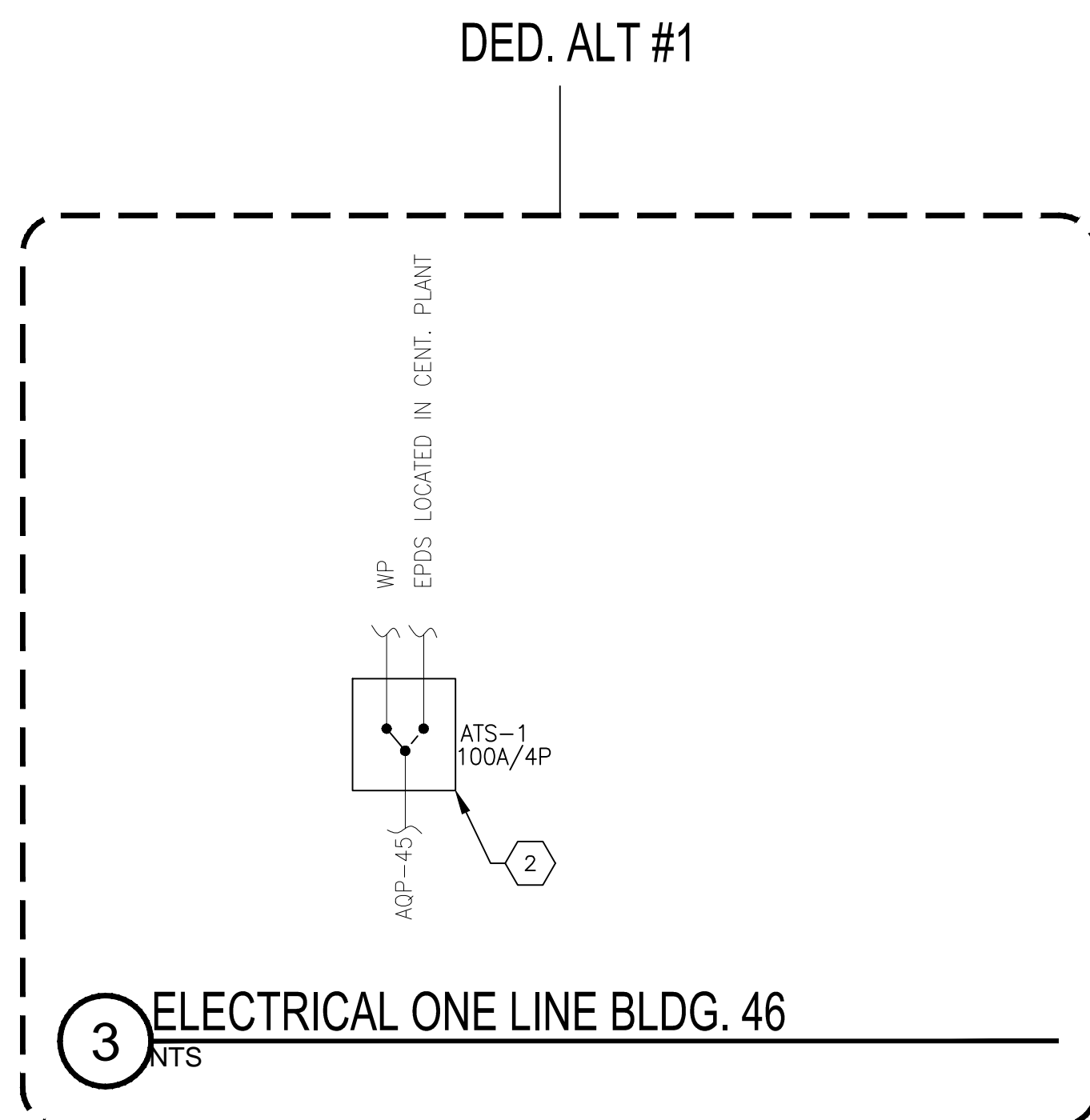


BASIS OF DESIGN - FREE-STANDING ATS'S

					Withstand Specific Breaker (6450V)	Withstand Current Limiting Fuse (6450V)
ATS #/BUILDING	AMPS	# Poles	Voltage	ASCO Catalog #		
FP - 41	600A	4P	480/277V	J7ATSB3600N5X	50KA	200KA
MCC -41	600A	4P	480/277V	J7ATSA3600N5XC	50KA	200KA
ATS1-43	70A	4P	480/277V	D7ATSB370N5XC	22KA	200KA
ATS2-43	70A	4P	480/277V	D7ATSB370N5XC	22KA	200KA
ATS1-45	100A	4P	480/277V	D7ATSB3100N5XC	22KA	200KA
ATS2-45	260A	4P	480/277V	J7ATSB3260N5XC	50KA	200KA
ATS3-45	400A	4P	480/277V	J7ATSB3400N5XC	50KA	200KA
ATS1-46	100A	4P	480/277V	D7ATSB3100N5XC	22KA	200KA

BASIS OF DESIGN - GEAR MOUNTED ATS'S

							W/Instand Specific Breaker @ 480V	Withstand Current Limiting @ 480V
SWBD	AMPS	# Poles	Voltage	ASCO Catalog #	Access.			
SRAD	600A	4P	480/277V	H07ATS30B0600N500	30B3, 72E		50kA	200kA
EQTDW1	800A	4P	480/277V	H07ATS30B0800N500	30B3, 72E		65kA	200kA
EQTDW2	800A	4P	480/277V	H07ATS30B0800N500	30B3, 72E		65kA	200kA
CRW1	800A	4P	480/277V	H07ATS30B0800N500	30B3, 72E		65kA	200kA
CRW2	800A	4P	480/277V	H07ATS30B0800N500	30B3, 72E		65kA	200kA
LSW	250A	4P	480/277V	H07ATS30C250N500	30B3, 72E		50kA	200kA
EQTD1E	800A	4P	480/277V	H07ATS30B0800N500	30B3, 72E		65kA	200kA
EQTD2E	800A	4P	480/277V	H07ATS30B0800N500	30B3, 72E		65kA	200kA
CRE2	800A	4P	480/277V	H07ATS30B0800N500	30B3, 72E		65kA	200kA
CRE1	800A	4P	480/277V	H07ATS30B0800N500	30B3, 72E		65kA	200kA
LS6	600A	4P	480/277V	H07ATS30B0600N500	30B3, 72E		50kA	200kA
EQTD	400A	4P	480/277V	H07ATS30A400N500	30B3, 72E		50kA	200kA



5 FREE-STANDING ATS MATRIX

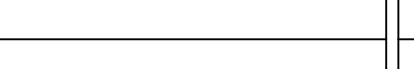

4 GEAR MOUNTED ATS MATRIX

- ## GENERAL NOTES

1. UNLESS OTHERWISE NOTED, EQUIPMENT SHOWN IS EXISTING AND TO REMAIN.
2. FIELD VERIFY AMPACITY, SIZE AND TYPE OF EACH SWITCH PRIOR TO PURCHASE. SEE DIV. 26 SPECIFICATIONS FOR MORE INFORMATION.
3. THE ATS MATRICES SHOWN THIS SHEET ARE NOT INTENDED TO INSURE SOLE SOURCING; THESE MATRICES SHOULD BE USED AS A GUIDE ONLY.
4. SEE ATS CONTROLS BLOCK DIAGRAM ON SHEET E-505 FOR MORE INFORMATION.

 SHEET KEYED NOTES

1. GEAR MOUNTED ATS TO BE REPLACED. SEE "ES" SHEETS FOR MORE INFORMATION.
2. FREE STANDING ATS TO BE REPLACED. SEE "ES" SHEETS FOR MORE INFORMATION.
3. PROVIDE TEMPORARY GENERATOR AS SHOWN. SEE WORKPLAN SUBMITTAL REQUIREMENTS ON SHEET E-001 FOR MORE INFORMATION, TYPICAL FOR EACH ATS IN BUILDING 45.
4. PROVIDE TEMPORARY FEEDERS FOR PANELS SHOWN. PROVIDE FEEDER CABLE TYPE AS SHOWN ON SHEET ES-201. SEE NOTE 2 THAT SHEET. TYPICAL FOR ALL ATS'S IN BUILDING 45.

		APPROVED BY:				ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		Office of	
		DIRECTOR		CHIEF OF SERVICES				ELECTRICAL ONE LINE DIAGRAM		RAYMOND G. MURPHY VA MEDICAL		501-11-130		Construction and Facilities Management	
		ASSOCIATE DIRECTOR		CHIEF OF PROJECT SECTION				BLDGs. 43, 45 AND 46		CENTER - REPLACE AUTOMATIC		Building Number			
		ASSISTANT DIRECTOR								TRANSFER SWITCHES		41, 42, 43, 45, 46			
Revisions:		Date		CHIEF OF ENGINEERING				Approved: Project Director		Location		Drawing Number			
								VA ALBUQUERQUE, NM		E-602		 Department of Veterans Affairs			
								Date		Dwg. of					
								12/07/11		TJC					
								TJC							