

Work inside capacitor bank cabinet	Flash	Training, PPE, procedure, shutdown of supply from Redi Panel at remote location, confirm HV meter reads zero, automatic grounding switches in the power supply, the capacitor bank and the modulator, closing grounding switch in capacitor bank, capacitor bank grounding switch Kirk Key door control, inspection of grounding stick, use of grounding stick	Y	1	3	4	1	12								
Work inside capacitor bank cabinet	Electrocution	Training, PPE, procedure, shutdown of supply from Redi Panel at remote location, confirm HV meter reads zero, automatic grounding switches in the power supply, the capacitor bank and the modulator, closing grounding switch in capacitor bank, capacitor bank grounding switch Kirk Key door control, inspection of grounding stick, use of grounding stick	Y	1	3	5	1	15								
Work in capacitor bank AC compartment	Flash	Training, PPE, procedure, verification that all AC power is off	Y	1	2	4	2	16								
Work in capacitor bank AC compartment	Electrocution	Training, PPE, procedure, verification that all AC power is off	Y	1	2	5	2	20								
Open modulator door and use grounding stick	Flash	Training, PPE, procedure, shutdown of supply from Redi Panel at remote location, confirm HV meter reads zero, automatic grounding switches in the power supply, the capacitor bank and the modulator, closing grounding switch in capacitor bank, capacitor bank grounding switch Kirk Key door control, inspection of grounding stick, shutdown filament power	Y	1	3	4	1	12								
Open modulator door and use grounding stick	Electrocution	Training, PPE, procedure, shutdown of supply from Redi Panel at remote location, confirm HV meter reads zero, automatic grounding switches in the power supply, the capacitor bank and the modulator, closing grounding switch in capacitor bank and in modulator, modulator grounding switch Kirk Key door control, inspection of grounding stick	Y	1	3	5	1	15								
Work inside modulator cabinet	Flash	Training, PPE, procedure, shutdown of supply from Redi Panel at remote location, confirm HV meter reads zero, automatic grounding switches in the power supply, the capacitor bank and the modulator, closing grounding switch in capacitor bank and in modulator, modulator grounding switch Kirk Key door control, inspection of grounding stick, use of grounding stick, shutdown filament power	Y	1	3	4	1	12								

Work inside modulator cabinet	Electrocution	Training, PPE, procedure, shutdown of supply from Redi Panel at remote location, confirm HV meter reads zero, automatic grounding switches in the power supply, the capacitor bank and the modulator, closing grounding switch in capacitor bank and in modulator, modulator grounding switch Kirk Key door control, inspection of grounding stick, use of grounding stick	Y	1	3	5	1	15								
Work on or near filament circuits in modulator	Flash	Training, PPE, procedure, shutdown of supply from Redi Panel at remote location, confirm HV meter reads zero, automatic grounding switches in the power supply, the capacitor bank and the modulator, closing grounding switch in capacitor bank and in modulator, modulator grounding switch Kirk Key door control, inspection of grounding stick, use of grounding stick, LOTO of filament power	Y	1	3	4	2	24								
Work in modulator AC compartment	Flash	Training, PPE, procedure, verification that all AC power is off	Y	1	2	4	2	16								
Work in modulator AC compartment	Electrocution	Training, PPE, procedure, verification that all AC power is off	Y	1	2	5	2	20								
Access to 7835 power amplifier cavity	Flash	Training, PPE, procedure, shutdown of supply from Redi Panel at remote location, confirm HV meter reads zero, automatic grounding switches in the power supply, the capacitor bank and the modulator, closing grounding switch in capacitor bank and 7835 power amplifier cavity, shutdown filament supply	Y	1	1	4	1	4								
Access to 7835 power amplifier cavity	Electrocution	Training, PPE, procedure, shutdown of supply from Redi Panel at remote location, confirm HV meter reads zero, automatic grounding switches in the power supply, the capacitor bank and the modulator, closing grounding switch in capacitor bank and 7835 power amplifier cavity	Y	1	1	5	1	5								
Access to 7835 power amplifier cavity	Gas Pressure Blast	Shut off and disconnect nitrogen gas feed, bleed off pressure	Y	1	1	4	2	8								

Further Description of Controls Added to Reduce Risk:

*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable