ARR 100			Bill of Materials	
Item Number	QTY	Unit	Description	Supplied by
1	1	EA	EN 50155 Managed Gbps PoE Routing Switch-Viper-12A-PoE Series-3635-0720	ARRC
2	3	EA	EN 50155 Wi-Fi 6 Access Point, PoE PD Ibex-1510-T2G2.5-PoE NA Dual-3628-15112	ARRC
3	6	EA	CAB ASS SPUMA 240-FR-01 QMA-W STR MALE QMA-W STR MALE 2m-3623-0820	ARRC
4	1	EA	3629-0888 Antenna 3x3 Omni MIMO ANT-H-W2/506-Q3-T-w, TP -100-4500	ARRC
5	2	EA	ANTENNA WESTERMO ICL ROUND 5GHZ QMA-3623-0797	ARRC
6	1	EA	ABB SU202M-5A 2-Pole-DC Circuit Breaker (Installed by ARRC)	ARRC
7	As Needed	FT	12 AWG RHW-2-Power Cable	ARRC
8	As Needed	FT	Plenum rated Cat 6A Cable	Contractor
9	As Needed	EA	M12 Connectors	Contractor
			Additional Installation Materials-Weatherproofing , Wire mold, Cable ties, Labels, Mounting Hardware,	
10	As Needed	EA	Misc. Installation Materials	Contractor
ARR 101			Bill of Materials	
Item Number	QTY	Unit	Description	Supplied by
1	1	EA	EN 50155 Managed Gbps PoE Routing Switch-Viper-12A-PoE Series-3635-0720	ARRC
2	3	EA	EN 50155 Wi-Fi 6 Access Point, PoE PD Ibex-1510-T2G2.5-PoE NA Dual-3628-15112	ARRC
3	6	EA	CAB ASS SPUMA 240-FR-01 QMA-W STR MALE QMA-W STR MALE 2m-3623-0820	ARRC
4	1	EA	3629-0888 Antenna 3x3 Omni MIMO ANT-H-W2/506-Q3-T-w, TP -100-4500	ARRC
5	2	EA	ANTENNA WESTERMO ICL ROUND 5GHZ QMA-3623-0797	ARRC
6	1	EA	ABB SU202M-5A 2-Pole-DC Circuit Breaker (Installed by ARRC)	ARRC
7	As Needed	FT	12 AWG RHW-2-Power Cable	ARRC
8	As Needed	FT	Plenum rated Cat 6A Cable	Contractor
9	As Needed	EA	M12 Connectors	Contractor
			Additional Installation Materials-Weatherproofing , Wire mold, Cable ties, Labels, Mounting Hardware,	
10	As Needed	EA	Misc. Installation Materials	Contractor
ARR 102			Bill of Materials	
Item Number	QTY	Unit	Description	Supplied by
1	1	EA	EN 50155 Managed Gbps PoE Routing Switch-Viper-12A-PoE Series-3635-0720	ARRC
2	3	EA	EN 50155 Wi-Fi 6 Access Point, PoE PD Ibex-1510-T2G2.5-PoE NA Dual-3628-15112	ARRC
3	6	EA	CAB ASS SPUMA 240-FR-01 QMA-W STR MALE QMA-W STR MALE 2m-3623-0820	ARRC
4	1	EA	3629-0888 Antenna 3x3 Omni MIMO ANT-H-W2/506-Q3-T-w, TP -100-4500	ARRC
5	2	EA	ANTENNA WESTERMO ICL ROUND 5GHZ QMA-3623-0797	ARRC
6	1	EA	ABB SU202M-5A 2-Pole-DC Circuit Breaker (Installed by ARRC)	ARRC
7	As Needed	FT	12 AWG RHW-2-Power Cable	ARRC
8	As Needed	FT	Plenum rated Cat 6A Cable	Contractor
9	As Needed	EA	M12 Connectors	Contractor
			Additional Installation Materials-Weatherproofing , Wire mold, Cable ties, Labels, Mounting Hardware,	
10	As Needed	EA	Misc. Installation Materials	Contractor
APP 206			Pill of Matorials	
ARR 206 Item Number	QTY	Unit	Bill of Materials Description	Supplied by
1	1	EA	EN 50155 Managed Gbps PoE Routing Switch-Viper-12A-PoE Series-3635-0720	ARRC
2	3	FA	EN 50155 Wi-Fi 6 Access Point, PoE PD Ibex-1510-T2G2.5-PoE NA Dual-3628-15112	ARRC
3	6	EA	CAB ASS SPUMA 240-FR-01 QMA-W STR MALE QMA-W STR MALE 2m-3623-0820	ARRC
4	1	FA	3629-0888 Antenna 3x3 Omni MIMO ANT-H-W2/506-Q3-T-w, TP -100-4500	ARRC
5	2	EA	ANTENNA WESTERMO ICL ROUND 5GHZ QMA-3623-0797	ARRC
6	1	FΔ	ABB SU202M-5A 2-Pole-DC Circuit Breaker (Installed by ARRC)	ARRC
7	As Needed	FT	12 AWG RHW-2-Power Cable	ARRC
8	As Needed	FT	Plenum rated Cat 6A Cable	Contractor
9	As Needed	FA	M12 Connectors	Contractor
5	vs incenta	LM	Additional Installation Materials-Weatherproofing , Wire mold, Cable ties, Labels, Mounting Hardware,	Contractor
10	As Needed	EA	Misc. Installation Materials	Contractor
10	AS NECCUCU	LA	Wisc. Installation Waterlas	Contractor
ARR 208			Bill of Materials	
Item Number	QTY	Unit	Description	Supplied by
1	1	EA	EN 50155 Managed Gbps PoE Routing Switch-Viper-12A-PoE Series-3635-0720	ARRC
2	3	EA	EN 50155 Wi-Fi 6 Access Point, PoE PD Ibex-1510-T2G2.5-PoE NA Dual-3628-15112	ARRC
3	6	EA	CAB ASS SPUMA 240-FR-01 QMA-W STR MALE QMA-W STR MALE 2m-3623-0820	ARRC
4	1	EA	3629-0888 Antenna 3x3 Omni MIMO ANT-H-W2/506-Q3-T-w, TP -100-4500	ARRC
5	2	EA	ANTENNA WESTERMO ICL ROUND 5GHZ QMA-3623-0797	ARRC
6	1	EA	ABB SU202M-5A 2-Pole-DC Circuit Breaker (Installed by ARRC)	ARRC
7	As Needed	FT	12 AWG RHW-2-Power Cable	ARRC
8	As Needed	FT	Plenum rated Cat 6A Cable	Contractor
9	As Needed	EA	M12 Connectors	Contractor
	A3 NCCUCU	LA		
			$Additional\ Installation\ Materials-Weather proofing\ , Wire\ mold,\ Cable\ ties,\ Labels,\ Mounting\ Hardware,$	
10	As Needed	EA		Contractor

ARR 209			Bill of Materials	
Item Number	QTY	Unit	Description	Supplied by
1	1	EA	EN 50155 Managed Gbps PoE Routing Switch-Viper-12A-PoE Series-3635-0720	ARRC
2	3	EA	EN 50155 Wi-Fi 6 Access Point, PoE PD Ibex-1510-T2G2.5-PoE NA Dual-3628-15112	ARRC
3	6	EA	CAB ASS SPUMA 240-FR-01 QMA-W STR MALE QMA-W STR MALE 2m-3623-0820	ARRC
4	1	EA	3629-0888 Antenna 3x3 Omni MIMO ANT-H-W2/506-Q3-T-w, TP -100-4500	ARRC
5	2	EA	ANTENNA WESTERMO ICL ROUND 5GHZ QMA-3623-0797	ARRC
6		EA	ABB SU202M-5A 2-Pole-DC Circuit Breaker (Installed by ARRC)	ARRC
7	As Needed	FT	12 AWG RHW-2-Power Cable	ARRC
8	As Needed	FT	Plenum rated Cat 6A Cable	Contractor
9	As Needed	EA	M12 Connectors	Contractor
10	As Needed	EA	Additional Installation Materials-Weatherproofing ,Wire mold, Cable ties, Labels, Mounting Hardware, Misc. Installation Materials	Contractor
ARR 210			Bill of Materials	
Item Number	QTY	Unit	Description	Supplied by
1	1	EA	EN 50155 Managed Gbps PoE Routing Switch-Viper-12A-PoE Series-3635-0720	ARRC
2	3	EA	EN 50155 Wi-Fi 6 Access Point, PoE PD Ibex-1510-T2G2.5-PoE NA Dual-3628-15112	ARRC
3	6	EA	CAB ASS SPUMA 240-FR-01 QMA-W STR MALE QMA-W STR MALE 2m-3623-0820	ARRC
4	1	EA	3629-0888 Antenna 3x3 Omni MIMO ANT-H-W2/5O6-Q3-T-w, TP -100-4500	ARRC
5	2	EA	ANTENNA WESTERMO ICL ROUND 5GHZ QMA-3623-0797	ARRC
6	1	EA	ABB SU202M-5A 2-Pole-DC Circuit Breaker (Installed by ARRC)	ARRC
7	As Needed	FT	12 AWG RHW-2-Power Cable	ARRC
8	As Needed	FT	Plenum rated Cat 6A Cable	Contractor
9	As Needed	FA	M12 Connectors	Contractor
,	7.5 1400000		Additional Installation Materials-Weatherproofing ,Wire mold, Cable ties, Labels, Mounting	contractor
10	As Needed	EA	Hardware, Misc. Installation Materials	Contractor
10	715 1400000		Hardware, Mise. Historical Materials	contractor
ARR 352			Bill of Materials	
Item Number	QTY	Unit	Description	Supplied by
1	1	EA	EN 50155 Managed Gbps PoE Routing Switch-Viper-12A-PoE Series-3635-0720	ARRC
2	3	EA	EN 50155 Wi-Fi 6 Access Point, PoE PD Ibex-1510-T2G2.5-PoE NA Dual-3628-15112	ARRC
3	6	EA	CAB ASS SPUMA 240-FR-01 QMA-W STR MALE QMA-W STR MALE 2m-3623-0820	ARRC
4	1	EA	3629-0888 Antenna 3x3 Omni MIMO ANT-H-W2/506-Q3-T-w, TP -100-4500	ARRC
5	2	EA	ANTENNA WESTERMO ICL ROUND 5GHZ QMA-3623-0797	ARRC
6	1	EA	ABB SU202M-5A 2-Pole-DC Circuit Breaker (Installed by ARRC)	ARRC
7	As Needed	FT	12 AWG RHW-2-Power Cable	ARRC
8	As Needed	FT	Plenum rated Cat 6A Cable	Contractor
9	As Needed	EA	M12 Connectors	Contractor
			Additional Installation Materials-Weatherproofing , Wire mold, Cable ties, Labels, Mounting	
10	As Needed	EA	Hardware, Misc. Installation Materials	Contractor
ARR 401			Bill of Materials	
Item Number	QTY	Unit	Description	Supplied by
1	1	EA	EN 50155 Managed Gbps PoE Routing Switch-Viper-12A-PoE Series-3635-0720	ARRC
2	3	EA	EN 50155 Wi-Fi 6 Access Point, PoE PD Ibex-1510-T2G2.5-PoE NA Dual-3628-15112	ARRC
3	6	EA	CAB ASS SPUMA 240-FR-01 QMA-W STR MALE QMA-W STR MALE 2m-3623-0820	ARRC
4	1	EA	3629-0888 Antenna 3x3 Omni MIMO ANT-H-W2/506-Q3-T-w, TP -100-4500	ARRC
5	2	EA	ANTENNA WESTERMO ICL ROUND 5GHZ QMA-3623-0797	ARRC
6		EA	ABB SU202M-5A 2-Pole-DC Circuit Breaker (Installed by ARRC)	ARRC
7	As Needed	FT	12 AWG RHW-2-Power Cable	ARRC
8	As Needed	FT	Plenum rated Cat 6A Cable	Contractor
9	As Needed	EA	M12 Connectors	Contractor
			Additional Installation Materials-Weatherproofing ,Wire mold, Cable ties, Labels, Mounting	
10	As Needed	EA	Hardware, Misc. Installation Materials	Contractor
ADD 150			NIII - CAA-A	
ARR 452	om/	I	Bill of Materials	
Item Number	QTY 1	Unit	Description	Supplied by
1			EN 50155 Managed Gbps PoE Routing Switch-Viper-12A-PoE Series-3635-0720	ARRC
2	3	EA	EN 50155 Wi-Fi 6 Access Point, PoE PD Ibex-1510-T2G2.5-PoE NA Dual-3628-15112	ARRC
3	6	EA	CAB ASS SPUMA 240-FR-01 QMA-W STR MALE QMA-W STR MALE 2m-3623-0820	ARRC
4	1	EA	3629-0888 Antenna 3x3 Omni MIMO ANT-H-W2/506-Q3-T-w, TP -100-4500	ARRC
5	2	EA	ANTENNA WESTERMO ICL ROUND 5GHZ QMA-3623-0797	ARRC
6	1	EA	ABB SU202M-5A 2-Pole-DC Circuit Breaker (Installed by ARRC)	ARRC
7	As Needed	FT	12 AWG RHW-2-Power Cable	ARRC
8	As Needed	FT	Plenum rated Cat 6A Cable	Contractor
9	As Needed	EA	M12 Connectors Additional Installation Materials-Weatherproofing, Wire mold, Cable ties, Labels, Mounting	Contractor

As Needed EA M12 Connectors
Additional Installation Materials-Weatherproofing, Wire mold, Cable ties, Labels, Mounting

Contractor