

MKAP-WYNDMER GRASS ROOTS 2017 ELECTRICAL LIST

REVISION	EQUIPMENT #	EQUIPMENT DESCRIPTION	TOTALS										REMARKS		
			FUTURE HORSEPOWER	CURRENT HORSEPOWER	LIMITS / P.S.	CHAIN	MOTION / SPEED	PLUG	HIGH LEVEL	LOW LEVEL	CURRENT (CT)	ALIGNMENT		BEARING	HAZMON POINTS
REV	TAG	DESCRIPTION	FHP	CHP	LSW	SCS	MSW	PSW	HLS	LLS	CTT	ALS	BRS	THC	REMARKS
1		Truck/Rail Receiving System													
		20,000 BPH Receiving Bucket Elevator #1		200.00			1				1	4	4	9	VFD in MCC, (4) Rub Blocks, (4) Bearing Temp, (1) Motion, - Haz Mon supplied by Summerville
1		Receiving Conveyor #1		20.00			1	1			1	4	4	9	FVNR in MCC
1		20,000 BPH Receiving Bucket Elevator #2		200.00			1				1	4	4	9	VFD in MCC, (4) Rub Blocks, (4) Bearing Temp, (1) Motion, - Haz Mon supplied by Summerville
1		Receiving Conveyor #2		20.00			1	1			1	4	4	9	FVNR in MCC
1		20,000 BPH Receiving Bucket Elevator #3		200.00			1				1	4	4	9	VFD in MCC, (4) Rub Blocks, (4) Bearing Temp, (1) Motion, - Haz Mon supplied by Summerville
1		Receiving Conveyor #3		20.00			1	1			1	4	4	9	FVNR in MCC
1		Rail Unload Drag Conveyor		40.00			1	1			1		4	5	FVNR Starter In MCC
		Grain Storage Bins													
1		Wet Bin E1 Fan #1		20.00											FVNR Starter In MCC
1		Wet Bin E1 Fan #2		20.00											FVNR Starter In MCC
1		Wet Bin E1 Fan #3		20.00											FVNR Starter In MCC
1		Wet Bin E1 Fan #4		20.00											FVNR Starter In MCC
1		Wet Bin E1 Roof Exhaust #1		2.00											FVNR Starter In MCC
1		Wet Bin E1 Roof Exhaust #2		2.00											FVNR Starter In MCC
1		Bin Sweep		15.00											Breaker in HV-1 to feed Bin MFG Control Box
1		Wet Bin W1 Fan #1		20.00											FVNR Starter In MCC
1		Wet Bin W1 Fan #2		20.00											FVNR Starter In MCC
1		Wet Bin W1 Fan #3		20.00											FVNR Starter In MCC
1		Wet Bin W1 Fan #4		20.00											FVNR Starter In MCC
1		Wet Bin W1 Roof Exhaust #1		2.00											FVNR Starter In MCC
1		Wet Bin W1 Roof Exhaust #2		2.00											FVNR Starter In MCC
1		Bin Sweep		15.00											Breaker in HV-1 to feed Bin MFG Control Box
1		75' Bin E1 Fan #1		30.00											FVNR Starter In MCC
1		75' Bin E1 Fan #2		30.00											FVNR Starter In MCC
1		75' Bin E1 Fan #3		30.00											FVNR Starter In MCC
1		75' Bin E1 Fan #4		30.00											FVNR Starter In MCC
1		75' Bin E1 Fan #5		30.00											FVNR Starter In MCC
1		75' Bin E1 Fan #6		30.00											FVNR Starter In MCC
1		Roof Exhaust #1		2.00											FVNR Starter In MCC
1		Roof Exhaust #2		2.00											FVNR Starter In MCC
1		Roof Exhaust #3		2.00											FVNR Starter In MCC
1		Bin Sweep		20.00											Breaker in HV-1 to feed Bin MFG Control Box
1		75' Bin W1 Fan #1		30.00											FVNR Starter In MCC
1		75' Bin W1 Fan #2		30.00											FVNR Starter In MCC
1		75' Bin W1 Fan #3		30.00											FVNR Starter In MCC
1		75' Bin W1 Fan #4		30.00											FVNR Starter In MCC
1		75' Bin W1 Fan #5		30.00											FVNR Starter In MCC
1		75' Bin W1 Fan #6		30.00											FVNR Starter In MCC
1		Roof Exhaust #1		2.00											FVNR Starter In MCC
1		Roof Exhaust #2		2.00											FVNR Starter In MCC
1		Roof Exhaust #3		2.00											FVNR Starter In MCC
1		Bin Sweep		20.00											Breaker in HV-1 to feed Bin MFG Control Box

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1		Roof Exhaust #3		2.00											FVNR Starter In MCC
1		Bin Sweep		20.00											Breaker in HV-1 to feed Bin MFG Control Box
				1310.00											
1		105' Bin E2 Fan #1		50.00											FVNR Starter In MCC
1		105' Bin E2 Fan #2		50.00											FVNR Starter In MCC
1		105' Bin E2 Fan #3		50.00											FVNR Starter In MCC
1		105' Bin E2 Fan #4		50.00											FVNR Starter In MCC
1		105' Bin E2 Fan #5		50.00											FVNR Starter In MCC
1		105' Bin E2 Fan #6		50.00											FVNR Starter In MCC
1		Roof Exhaust #1		2.00											FVNR Starter In MCC
1		Roof Exhaust #2		2.00											FVNR Starter In MCC
1		Roof Exhaust #3		2.00											FVNR Starter In MCC
1		Bin Sweep		30.00											Breaker in HV-1 to feed Bin MFG Control Box
1		105' Bin W2 Fan #1		50.00											FVNR Starter In MCC
1		105' Bin W2 Fan #2		50.00											FVNR Starter In MCC
1		105' Bin W2 Fan #3		50.00											FVNR Starter In MCC
1		105' Bin W2 Fan #4		50.00											FVNR Starter In MCC
1		105' Bin W2 Fan #5		50.00											FVNR Starter In MCC
1		105' Bin W2 Fan #6		50.00											FVNR Starter In MCC
1		Roof Exhaust #1		2.00											FVNR Starter In MCC
1		Roof Exhaust #2		2.00											FVNR Starter In MCC
1		Roof Exhaust #3		2.00											FVNR Starter In MCC
1		Bin Sweep		30.00											Breaker in HV-1 to feed Bin MFG Control Box
1		Fill Equipment													
1		75' Bin E1 Fill		75.00		1	1	1			1		4	1	SoftStart in MCC
1		105' Bin E2 Fill		75.00		1	1	1			1		4	1	SoftStart in MCC
1		75' Bin W1 Fill		75.00		1	1	1			1		4	1	SoftStart in MCC
1		105' Bin W2 Fill		75.00		1	1	1			1		4	1	SoftStart in MCC
1		Wet Bin Unload		10.00		1	1	1						1	VFD in MCC
1		Wet Leg		50.00		1	1	1			1	4	4	9	Soft Start in MCC
1		Dryer Unload		15.00		1	1	1						1	FVNR Starter In MCC
1		Dry Leg		50.00		1	1	1			1	4	4	9	Soft Start in MCC
1		Dry Fill Conveyor E1		15.00		1	1	1			1	4	4	1	FVNR Starter In MCC
1		Dry Fill Conveyor E2		10.00		1	1	1			1	4	4	1	FVNR Starter In MCC
1		Dry Fill Conveyor W1		40.00		1	1	1			1	4	4	1	FVNR Starter In MCC
1		Dry Fill Conveyor W2		10.00		1	1	1			1	4	4	1	FVNR Starter In MCC
1		Unload Equipment													
1		Unload Conveyor E1 & E2		75.00		1	1	1			1	4	4	9	VFD in MCC
1		Unload Conveyor W1 & W2		75.00		1	1	1			1	4	4	9	VFD in MCC
1		Shipping Leg E1 Drive 1		150.00		1	1	1			1	4	4	9	VFD in MCC

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1		Shipping Leg E1 Drive 2		150.00											VFD in MCC
1		Shipping Leg W1 Drive 1		150.00			1				1	4	4	9	VFD in MCC
1		Shipping Leg W2 Drive 2		150.00											VFD in MCC
1		Hopper E1 & E2 Unload Conveyor		10.00		1	1	1			1			1	FVNR in MCC
1		Hopper W1 & W2 Unload Conveyor		10.00		1	1	1			1			1	FVNR in MCC
				1942.00											
1		Dust System Fan		150.00							1				VFD in MCC
1		Dust System Air Lock		3.00											FVNR in MCC
1		Positive Pressure Bag Cleaning Blower		10.00											FVNR in MCC
1		Schlagel Dist. Duct #1		0.75											120 volt 20 amp breaker in LV-1
1		Schlagel Dist. Duct #2		0.75											120 volt 20 amp breaker in LV-1
1		Schlagel Dist. Duct #3		0.75											120 volt 20 amp breaker in LV-1
1		Man Lift		3.00											15 Amp breaker in HV-1
1		Dryer Fan #1		125.00											Fed From Dryer Control Panel
1		Dryer Fan #2		125.00											Fed From Dryer Control Panel
				418.25											
1		105' Bin E3 Fan #1	50.00												FVNR Starter In MCC
1		105' Bin E3 Fan #2	50.00												FVNR Starter In MCC
1		105' Bin E3 Fan #3	50.00												FVNR Starter In MCC
1		105' Bin E3 Fan #4	50.00												FVNR Starter In MCC
1		105' Bin E3 Fan #5	50.00												FVNR Starter In MCC
1		105' Bin E3 Fan #6	50.00												FVNR Starter In MCC
1		Roof Exhaust #1	2.00												FVNR Starter In MCC
1		Roof Exhaust #2	2.00												FVNR Starter In MCC
1		Roof Exhaust #3	2.00												FVNR Starter In MCC
1		Bin Sweep	30.00												Breaker in HV-1 to feed Bin MFG Control Box
1		105' Bin W3 Fan #1	50.00												FVNR Starter In MCC
1		105' Bin W3 Fan #2	50.00												FVNR Starter In MCC
1		105' Bin W3 Fan #3	50.00												FVNR Starter In MCC
1		105' Bin W3 Fan #4	50.00												FVNR Starter In MCC
1		105' Bin W3 Fan #5	50.00												FVNR Starter In MCC
1		105' Bin W3 Fan #6	50.00												FVNR Starter In MCC
1		Roof Exhaust #1	2.00												FVNR Starter In MCC
1		Roof Exhaust #2	2.00												FVNR Starter In MCC
1		Roof Exhaust #3	2.00												FVNR Starter In MCC
1		Bin Sweep	30.00												Breaker in HV-1 to feed Bin MFG Control Box
1		Dryer Fan #1	125.00												Fed From Dryer Control Panel
1		Dryer Fan #2	125.00												Fed From Dryer Control Panel

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1		Wet Bin Fan #1	20.00												FVNR Starter In MCC
1		Wet Bin Fan #2	20.00												FVNR Starter In MCC
1		Wet Bin Fan #3	20.00												FVNR Starter In MCC
1		Wet Bin Fan #4	20.00												FVNR Starter In MCC
1		Roof Exhaust #1	2.00												FVNR Starter In MCC
1		Roof Exhaust #2	2.00												FVNR Starter In MCC
1		Bin Sweep	15.00												Breaker in HV-1 to feed Bin MFG Control Box
1		Wet Bin Unload	15.00			1	1	1							VFD in MCC
1		Wet Leg	40.00			1	1	1			1	4	4		FVNR Starter in MCC
1		Dryer Unload	15.00			1	1	1							FVNR Starter in MCC
1		Dry Leg	50.00			1	1	1			1	4	4		Soft Start in MCC
1		Dry Fill Conveyor E1	15.00			1	1	1			1				FVNR Starter in MCC
1		Dry Fill Conveyor E2	10.00			1	1	1			1				FVNR Starter in MCC
1		Wet Fill Conveyor	25.00			1	1	1			1				FVNR Starter in MCC
1		Bin 3E Top Conveyor	75.00			1	1	1			1				Soft Start in MCC
1		Bin 3W Top Conveyor	75.00			1	1	1			1				Soft Start in MCC
1		Dry Fill Conveyor W1	15.00			1	1	1			1				FVNR Starter in MCC
1		Dry Fill Conveyor W2	10.00			1	1	1			1				FVNR Starter in MCC
1		Dry Fill Conveyor W3	15.00			1	1	1			1				FVNR Starter in MCC
1		Dry Fill Conveyor E3	15.00			1	1	1			1				FVNR Starter in MCC
			1396.00			54	34	28			35				
															125