

| WIRE # | WIRE LABEL | WIRE GAUGE | WIRE COLOR | WIRE TYPE | WIRE FROM | WIRE TO |
|--------|------------|------------|------------|-----------|-------------------------------|--------------------------------|
| WH#1 | 100 | AWG 18 | RED | TEW | ENTER TERMINAL 120VAC L | FUSE 3AMP5 |
| WH#2 | 101 | AWG 12 | BLACK | TEW | TERMINAL 31.1 | SWITCH ON/OFF MOTOR CONTACTOR |
| WH#3 | 101A | AWG 18 | RED | TEW | FUSE 3AMP5 | DOOR INTERLOCK SWITCH |
| WH#4 | 101A | AWG 18 | RED | TEW | DOOR INTERLOCK SWITCH | SWITCH ON/OFF |
| WH#5 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | CIRCUIT BREAKER 3A |
| WH#6 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | BLOW FAN 1 |
| WH#7 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | BLOW FAN 2 |
| WH#8 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | CONTACT# 9 R5 |
| WH#9 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | JUMBO L1 5, 14 |
| WH#10 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | PRODUCT VALVE SWITCH "NO" |
| WH#11 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | PRODUCT VALVE SWITCH "NC" |
| WH#12 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | BYPASS SWITCH "NO"+"NC" |
| WH#13 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | FAN CONSOLE BLOWOUT |
| WH#14 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | FUSE#5 1AMP5 |
| WH#15 | 114 | AWG 18 | RED | TEW | BYPASS SWITCH "NO" | SWITCH HEAT/OFF/COOL "NO"+"NC" |
| WH#16 | 179 | AWG 12 | BLACK | TEW | SWITCH ON/OFF MOTOR CONTACTOR | MOTOR CONTACTOR |
| WH#17 | 313 | AWG 12 | BLACK | TEW | TERMINAL 313 | MOTOR CONTACTOR |
| WH#18 | 102 | AWG 18 | RED | TEW | TERMINAL 102 | FUSE 0.75 AMP5 |
| WH#19 | 168 | AWG 18 | RED | TEW | FUSE 0.75 AMP5 | TRANSFORMER 120/24VAC |
| WH#20 | 170 | AWG 18 | RED | TEW | TRANSFORMER 120/24VAC | FUSE 2 AMP5 |
| WH#21 | 172 | AWG 18 | RED | TEW | TRANSFORMER 120/24VAC | FUSE 2 AMP5 |
| WH#22 | 169 | AWG 18 | RED | TEW | FUSE 2 AMP5 | POWER DATA LOGGER |
| WH#23 | 171 | AWG 18 | RED | TEW | FUSE 2 AMP5 | POWER DATA LOGGER |
| WH#24 | 173 | AWG 18 | RED | TEW | FUSE 2 AMP5 | SWITCH ON/OFF |
| WH#25 | 174 | AWG 18 | RED | TEW | DATA LOGGER | SWITCH ON/OFF |
| WH#26 | 175 | AWG 18 | RED | TEW | DATA LOGGER | SWITCH ON/OFF |
| WH#27 | 176 | AWG 18 | RED | TEW | DATA LOGGER | LIGHT |
| WH#28 | 177 | AWG 18 | RED | TEW | DATA LOGGER | LIGHT |
| WH#29 | 178 | AWG 18 | RED | TEW | DATA LOGGER | PUSH BUTTON "START" |
| WH#30 | 125 | AWG 18 | RED | TEW | DATA LOGGER | PUSH BUTTON "START" |
| WH#31 | 125 | AWG 18 | RED | TEW | DATA LOGGER | QUICK CONNECTOR 125 |
| WH#32 | 125 | AWG 18 | RED | TEW | DATA LOGGER | QUICK CONNECTOR 125 |
| WH#33 | 125 | AWG 18 | RED | TEW | DATA LOGGER | QUICK CONNECTOR 125 |
| WH#34 | 125 | AWG 18 | RED | TEW | DATA LOGGER | QUICK CONNECTOR 125 |
| WH#35 | 126 | AWG 18 | RED | TEW | DATA LOGGER | QUICK CONNECTOR 125 |
| WH#39 | 102A | AWG 18 | RED | TEW | FUSE#5 1AMP5 | QUICK CONNECTOR 125 |
| WH#40 | 141 | AWG 18 | RED | TEW | JUMBO 8 | QUICK CONNECTOR 125 |
| WH#41 | 142 | AWG 18 | RED | TEW | JUMBO 9 | QUICK CONNECTOR 125 |
| WH#42 | 128 | AWG 18 | RED | TEW | TERMINAL 141 | CONTACT# 4 RY8 |
| WH#43 | 128 | AWG 18 | RED | TEW | TERMINAL 142 | CONTACT# 7 RY8 |
| WH#44 | 129 | AWG 18 | RED | TEW | PRODUCT VALVE SWITCH "NO" | TERMINAL 128 |
| WH#45 | 129 | AWG 18 | RED | TEW | PRODUCT VALVE SWITCH "NC" | TERMINAL 128 |
| WH#46 | 130 | AWG 18 | RED | TEW | PRODUCT VALVE SWITCH "NC" | SOL 14 LOG TO OPEN VALVE |
| WH#47 | 115 | AWG 18 | RED | TEW | NC CONT BYPASS SWITCH | TERMINAL 129 |
| WH#48 | 115 | AWG 18 | RED | TEW | SWITCH HEAT/OFF/COOL "NC" | SOL 12 CLOSE VALVE |
| WH#49 | 115 | AWG 18 | RED | TEW | TERMINAL 115 | CONT A COIL RELAY RY2 |
| WH#50 | 115 | AWG 18 | RED | TEW | TERMINAL 115 | TERMINAL 115 |
| WH#51 | 116 | AWG 18 | RED | TEW | TERMINAL 115 | CONT A COIL RELAY RY8 |
| WH#52 | 116 | AWG 18 | RED | TEW | TERMINAL 116 | COOLING OUT SOLENOID |
| WH#53 | 116 | AWG 18 | RED | TEW | TERMINAL 116 | COOLING IN SOLENOID |
| WH#54 | 116 | AWG 18 | RED | TEW | TERMINAL 116 | CONTACT# 6 RY2 |
| WH#55 | 116 | AWG 18 | RED | TEW | TERMINAL 116 | CONTACT# 9 RY2 |
| WH#56 | 120 | AWG 18 | RED | TEW | TERMINAL 116 | THERMORESISTOR |
| WH#57 | 124 | AWG 18 | RED | TEW | TERMINAL 116 | CONTACT# 7 RY3 |
| WH#57 | 124 | AWG 18 | RED | TEW | CONTACT# 9 RY2 | CONTACT# 9 RY5 |
| WH#57 | 124 | AWG 18 | RED | TEW | CONTACT# 3 RY5 | CONTACT# 9 RY5 |
| WH#57 | 124 | AWG 18 | RED | TEW | TERMINAL 124 | TERMINAL 124 |
| WH#57 | 124 | AWG 18 | RED | TEW | TERMINAL 124 | JUMBO #4 |

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| WH#58 | 123 | AWG 18 | RED | TEW | JUMBO #13 | TERMINAL 123 |
| WH#58 | 123 | AWG 18 | RED | TEW | TERMINAL 123 | CONT A COIL RELAY RY5 |
| WH#59 | 167 | AWG 18 | RED | TEW | TERMINAL 167 | DC MOTOR |
| WH#59 | 167 | AWG 18 | RED | TEW | TERMINAL 167 | RY11 #4, RY10 #6 |
| WH#60 | 109 | AWG 18 | RED | TEW | TERMINAL 109 | DC MOTOR |
| WH#60 | 109 | AWG 18 | RED | TEW | TERMINAL 109 | RY11 #6, RY10 #4 |
| WH#61 | 111 | AWG 18 | RED | TEW | TERMINAL 111 | RY11 #9, RY10 #9 |
| WH#61 | 111 | AWG 18 | RED | TEW | TERMINAL 111 | BRIDGE RECTIFIER TERM "-" |
| WH#62 | 112 | AWG 18 | RED | TEW | TERMINAL 112 | RY11 #7, RY10 #7 |
| WH#62 | 112 | AWG 18 | RED | TEW | TERMINAL 112 | BRIDGE RECTIFIER TERM "+" |
| WH#63 | 110 | AWG 18 | RED | TEW | TERMINAL 110 | BRIDGE RECTIFIER TERM "-" |
| WH#64 | 103 | AWG 18 | WHITE | TEW | TERMINAL 103 | BRIDGE RECTIFIER TERM "-" |
| WH#65 | 103 | AWG 18 | WHITE | TEW | TERMINAL 103 | BRIDGE RECTIFIER TERM "-" |
| WH#66 | 103 | AWG 18 | WHITE | TEW | BLOW FAN 2 | NUTRAL TERMINAL |
| WH#67 | 104 | AWG 18 | RED | TEW | CIRCUIT BREAKER 3A | TERMINAL 104 |
| WH#68 | 105 | AWG 18 | RED | TEW | UP LIMIT SWITCH | SWITCH UP/OFF/DOWN |
| WH#69 | 107 | AWG 18 | RED | TEW | DOWN LIMIT SWITCH | SWITCH UP/OFF/DOWN |
| WH#70 | 108 | AWG 18 | RED | TEW | RELAY RY10 | TERMINAL 108 |
| WH#71 | 113 | AWG 18 | RED | TEW | RELAY RY11 | TERMINAL 113 |
| WH#72 | 103 | AWG 16 | WHITE | TEW | "N"/108" NUTRAL TERMINAL | TERMINAL 113 |
| WH#73 | 103 | AWG 18 | WHITE | TEW | RELAY RY10 | NUTRAL TERMINAL |
| WH#74 | 103 | AWG 18 | WHITE | TEW | RELAY RY11 | NUTRAL TERMINAL |
| WH#75 | 103 | AWG 18 | WHITE | TEW | RELAY RY8 | NUTRAL TERMINAL |
| WH#76 | 103 | AWG 18 | WHITE | TEW | COOLING IN SOL | NUTRAL TERMINAL |
| WH#77 | 103 | AWG 18 | WHITE | TEW | COOLING OUT SOL | NUTRAL TERMINAL |
| WH#78 | 103 | AWG 18 | WHITE | TEW | RELAY RY3 | NUTRAL TERMINAL |
| WH#79 | 103 | AWG 18 | WHITE | TEW | DUMP SOL | NUTRAL TERMINAL |
| WH#80 | 103 | AWG 18 | WHITE | TEW | CONDENSATE RETURN SOL | NUTRAL TERMINAL |
| WH#81 | 103 | AWG 18 | WHITE | TEW | STEAM SOL | NUTRAL TERMINAL |
| WH#82 | 103 | AWG 18 | WHITE | TEW | RELAY RY5 | NUTRAL TERMINAL |
| WH#83 | 103 | AWG 18 | WHITE | TEW | JUMBO "N" | NUTRAL TERMINAL |
| WH#84 | 103 | AWG 18 | WHITE | TEW | SOL 14 LOG TO OPEN VALVE | NUTRAL TERMINAL |
| WH#85 | 103 | AWG 18 | WHITE | TEW | SOL 12 CLOSE VALVE | NUTRAL TERMINAL |
| WH#86 | 103 | AWG 18 | WHITE | TEW | RELAY RY2 | NUTRAL TERMINAL |
| WH#87 | 103 | AWG 18 | WHITE | TEW | FAN CONSOLE BLOWOUT | NUTRAL TERMINAL |
| WH#88 | 131 | AWG 18 | RED | TEW | DIGITAL COUNTER 10 | SWITCH RESET/OFF/CONT "NC" |
| WH#89 | 132 | AWG 18 | RED | TEW | DIGITAL COUNTER 8 | SWITCH RESET/OFF/CONT "NC" |
| WH#90 | 132 | AWG 18 | RED | TEW | DIGITAL COUNTER 8 | TERMINAL 132 |
| WH#91 | 137 | AWG 18 | RED | TEW | DIGITAL COUNTER 6 | TERMINAL 137 |
| WH#92 | 102A | AWG 18 | RED | TEW | DIGITAL COUNTER 4 | TERMINAL 102A |
| WH#93 | 102A | AWG 18 | RED | TEW | DIGITAL COUNTER 2 | TERMINAL 102A |
| WH#94 | 161 | AWG 18 | BLUE | TEW | SPEED DRIVE 7 | SPEED CONTROL 1 |
| WH#95 | 12/5 | AWG 12 | BLACK | TEW | MOTOR CONTACTOR | SPEED DRIVE L/LR |
| WH#96 | 12/5 | AWG 12 | BLACK | TEW | MOTOR CONTACTOR | SPEED DRIVE L2/S |
| WH#97 | 13/T | AWG 12 | BLACK | TEW | MOTOR CONTACTOR | SPEED DRIVE L3/T |
| WH#98 | 12/U | AWG 12 | BLACK | TEW | SPEED DRIVE 12/U | TERMINAL 12/U |
| WH#99 | 12/V | AWG 12 | BLACK | TEW | SPEED DRIVE 12/V | TERMINAL 12/V |
| WH#100 | 13/W | AWG 12 | BLACK | TEW | SPEED DRIVE 13/W | TERMINAL 13/W |
| WH#101 | 154 | AWG 18 | BLUE | TEW | SPEED DRIVE #9 | TERMINAL 154 |
| WH#101 | 154 | AWG 18 | BLUE | TEW | TERMINAL 154 | LIGHT |
| WH#102 | 156 | AWG 18 | BLUE | TEW | SPEED DRIVE #2 | TERMINAL 156 |
| WH#102 | 156 | AWG 18 | BLUE | TEW | TERMINAL 156 | PB START |
| WH#103 | 158 | AWG 18 | BLUE | TEW | TERMINAL 158 | COVER LIMIT SWITCH |
| WH#103 | 158 | AWG 18 | BLUE | TEW | TERMINAL 158 | PB STOP |
| WH#104 | 157 | AWG 18 | BLUE | TEW | SPEED DRIVE #3 | TERMINAL 157 |
| WH#104 | 157 | AWG 18 | BLUE | TEW | TERMINAL 157 | PB STOP |
| WH#105 | 158A | AWG 18 | BLUE | TEW | COVER LIMIT SWITCH | TERMINAL 158A |
| WH#105 | 158A | AWG 18 | BLUE | TEW | TERMINAL 158A | AGITATOR LIMIT SWITCH |
| WH#106 | 162A | AWG 18 | BLUE | TEW | AGITATOR LIMIT SWITCH | TERMINAL 162A |

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|--------|------------|------------|------------|-----------|--------------------------|---------------------------|
| WH#106 | 162A | AWG 18 | BLUE | TEW | TERMINAL 162A | E-STOP MIXER |
| WH#107 | 162 | AWG 18 | BLUE | TEW | SPEED DRIVE #1 | TERMINAL 162 |
| WH#108 | 162 | AWG 18 | BLUE | TEW | TERMINAL 162 | PUSH BUTTON "START" |
| WH#109 | 162 | AWG 18 | BLUE | TEW | TERMINAL 162 | E-STOP MIXER |
| WH#110 | 162 | AWG 18 | BLUE | TEW | TERMINAL 162 | SPEED DRIVE #11 |
| WH#111 | 159 | AWG 18 | BLUE | TEW | SPEED DRIVE #5 | SPEED CONTROL 3 |
| WH#112 | 160 | AWG 18 | BLUE | TEW | SPEED DRIVE #6 | SPEED CONTROL 2 |
| WH#113 | 31.1 | AWG 12 | BLACK | TEW | TERMINAL 31.1 | MOTOR CONTACTOR L1 |
| WH#114 | 31.2 | AWG 12 | BLACK | TEW | TERMINAL 31.2 | MOTOR CONTACTOR L2 |
| WH#115 | 31.3 | AWG 12 | BLACK | TEW | TERMINAL 31.3 | MOTOR CONTACTOR L3 |
| WH#116 | 134 | AWG 18 | RED | TEW | TERMINAL 134 | CONTACT# 9 RY6 |
| WH#117 | 134 | AWG 18 | RED | TEW | TERMINAL 134 | CONTACT# 9 RY6 |
| WH#118 | 21.1 | AWG 12 | BLACK | TEW | TERMINAL 21.1 | FUSE - 15A |
| WH#119 | 21.2 | AWG 12 | BLACK | TEW | TERMINAL 21.2 | FUSE - 15A |
| WH#120 | 21.3 | AWG 12 | BLACK | TEW | TERMINAL 21.3 | FUSE - 15A |
| WH#121 | 11.1 | AWG 12 | BLACK | TEW | MAIN CONTACTOR | MAIN DISCONNECT PROTECTOR |
| WH#122 | 11.2 | AWG 12 | BLACK | TEW | MAIN CONTACTOR | MAIN DISCONNECT PROTECTOR |
| WH#123 | 11.3 | AWG 12 | BLACK | TEW | MAIN CONTACTOR | MAIN DISCONNECT PROTECTOR |
| WH#124 | 134 | AWG 18 | RED | TEW | PB INTERRUPT | TERMINAL 134 |
| WH#125 | 133 | AWG 18 | RED | TEW | CONTACT# 6 RY7 | TERMINAL 133 |
| WH#126 | 133 | AWG 18 | RED | TEW | CONTACT# 6 RY7 | TERMINAL 133 |
| WH#127 | 136 | AWG 18 | RED | TEW | RELAY RY6 | SWITCH COLD/HOT NO |
| WH#128 | 135 | AWG 18 | RED | TEW | RELAY RY7 | SWITCH COLD/HOT NC |
| WH#129 | 1.1 | AWG 12 | BLACK | TEW | MAIN CONTACTOR L1 | DOOR INTERLOCK SWITCH |
| WH#130 | 31.3 | AWG 12 | BLACK | TEW | FUSE - 15A | TERMINAL 31.3 |
| WH#131 | 31.2 | AWG 12 | BLACK | TEW | FUSE - 15A | TERMINAL 31.2 |
| WH#132 | 31.1 | AWG 12 | BLACK | TEW | FUSE - 15A | TERMINAL 31.1 |
| WH#133 | 1.1 | AWG 12 | BLACK | TEW | ENTER TERMINAL 240VAC L1 | MAIN CONTACTOR L1 |
| WH#134 | 1.2 | AWG 12 | BLACK | TEW | ENTER TERMINAL 240VAC L2 | MAIN CONTACTOR L2 |
| WH#135 | 1.3 | AWG 12 | BLACK | TEW | ENTER TERMINAL 240VAC L3 | MAIN CONTACTOR L3 |
| WH#136 | 164 | AWG 12 | BLACK | TEW | DOOR SWITCH | COIL MAIN CONTACTOR |
| WH#137 | 1.3 | AWG 12 | BLACK | TEW | MAIN CONTACTOR L3 | COIL MAIN CONTACTOR |
| WH#139 | 117 | AWG 18 | RED | TEW | TERMINAL 117 | RELAY RY3 |
| WH#140 | 118 | AWG 18 | RED | TEW | TERMINAL 118 | THERMORESISTOR |
| WH#141 | 119 | AWG 18 | RED | TEW | TERMINAL 119 | CONTACT# 6 RY3 |
| WH#142 | 119 | AWG 18 | RED | TEW | TERMINAL 119 | DUMP SOLENOID |
| WH#143 | 122 | AWG 18 | RED | TEW | TERMINAL 119 | CONTACT# 1 RY3 |
| WH#144 | 122 | AWG 18 | RED | TEW | CONTACT# 4 RY5 | CONTACT# 1 RY3 |
| WH#145 | 138 | AWG 18 | RED | TEW | DIGITAL COUNTER 3 | SOL CONDENSATE RETURN |
| WH#146 | 102A | AWG 18 | RED | TEW | TERMINAL 102A | TERMINAL 138 |