

GENERAL ELECTRICAL NOTES

- PROVIDE COMPLETE AND ADEQUATE TEMPORARY POWER AND LIGHTS DURING CONSTRUCTION USING APPROVED LAMPHOLDERS AND GFCI CIRCUITING. MAINTAIN ALL LAMPS AS REQUIRED. REMOVE TEMPORARY INCLUDING TEMPORARY TO CONSTRUCTION MANAGERS OFFICE TRAILERS AT PROJECT COMPLETION.
- ELECTRICAL SERVICE COORDINATION WITH THE LOCAL UTILITY COMPANY IS TO BE BY THE ELECTRICAL CONTRACTOR. THIS INCLUDES, PERMITS, LOAD CALCULATION INFORMATION, RACEWAY, TRANSFORMER AND METER LOCATIONS AND REQUIREMENTS.
- CUTTING AND PATCHING FOR ELECTRICAL ITEMS BY ELECTRICAL CONTRACTOR.
- TRENCHING UNDER PAVED AREAS TO BE BACKFILLED WITH SAND AND COMPACTED.
- AS-BUILT DRAWINGS WILL BE REQUIRED TO BE UPDATED ON A WEEKLY BASIS, AND WILL BE CHECKED BY THE PROJECT MANAGER AND ENGINEER. THESE AS-BUILTS WILL BE EXPECTED TO BE IN A LEGIBLE AND NEAT FORM.
- ALL WIRING TO BE COPPER. ALL WIRING ABOVE 50 VOLTS TO BE IN CONDUIT UNLESS NOTED OTHERWISE. PROPER WIRE TYPE AND SIZE AND CONDUIT SIZE IS REQUIRED FOR BRANCH CIRCUITS. ADMC CABLE IS ACCEPTABLE IN WALLS FOR BRANCH CIRCUITS. BRANCH CIRCUITS ABOVE CEILINGS, ALL FEEDERS, HOME RUNS AND EXPOSED CONDUIT TO BE IN HARD PIPE.
- MAKE SURE THAT EXPOSED CABLE IS RATED FOR THE ENVIRONMENT THAT IT IS IN.
- PROVIDE TYPEWRITTEN DIRECTORIES ON ALL PANELS. LABEL ALL DISCONNECTS AND PANELS.
- PROVIDE THREE (4) EMPTY 1" CONDUITS FROM EACH NEW FLUSH PANEL TO CEILING SPACE.
- EXPOSED CABLE AND CONDUIT TO RUN PARALLEL WITH STRUCTURE AND SECURELY ATTACHED TO BUILDING STEEL.
- FURNISH 10% SPARE FUSES OF EACH SIZE AND TYPE USED. MINIMUM OF THREE (3).
- STUB ALL LOW VOLTAGE CONDUIT TO ACCESSIBLE CEILING LOCATION. IF REQUIRED, PROVIDE STUBS THROUGH WALLS TO GET WIRING INTO CORRIDORS AND INTO I.T. ROOMS.
- ELECTRICAL CONTRACTOR TO PROVIDE SUBMITTALS PRIOR TO ORDERING EQUIPMENT FOR LIGHTING, SWITCHGEAR, SPECIAL EQUIPMENT, ETC.
- UNLESS NOTED OTHERWISE, ALL DEVICE ELEVATIONS REFER TO CENTER OF OUTLET BOX. ELECTRICAL CONTRACTOR SHALL VERIFY ALL OUTLET LOCATIONS WITH OTHER TRADES. MINIMUM OF 18" ABOVE FINISHED FLOOR TO MEET BARRIER FREE REQUIREMENTS.
- SHARING NEUTRALS BETWEEN CIRCUITS IS NOT PERMITTED.
- LOW VOLTAGE TEMPERATURE CONTROL BY OTHERS.
- REFER TO MECHANICAL DRAWINGS FOR ELECTRICAL DATA PERTAINING TO ALL MECHANICAL EQUIPMENT. VERIFY ACTUAL REQUIREMENTS WITH EQUIPMENT ORDERED AND MAKE ADJUSTMENTS ACCORDINGLY. LOCATIONS SHOWN ARE APPROXIMATE. FIELD VERIFY.
- ELECTRICAL CONTRACTOR SHALL REFER TO ALL MECHANICAL DIVISION SPECIFICATIONS, HVAC PLANS AND PLUMBING PLANS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS.
- PROVIDE A DUCT DETECTOR FOR THE RETURN AND SUPPLY OF AIR HANDLING UNITS. CONNECT TO SHUT DOWN THE UNIT UPON ALARM. INSTALLATION MUST COMPLY WITH A.F.P.A. - 60A.
- FIRE ALARM SYSTEM TO BE INSTALLED BY QUALIFIED INSTALLER. ALL NECESSARY CERTIFICATIONS TO BE TAKEN CARE OF BY ELECTRICAL CONTRACTOR. MATCH EXISTING.
- PROVIDE A CONNECTION FOR ALL GARBAGE DISPOSALS. DISHWASHERS AND SIMILAR EQUIPMENT IN KITCHEN.
- ALL EMERGENCY SYSTEM WIRING SHALL BE IN A SEPARATE RACEWAY IN ACCORDANCE WITH ARTICLE 700 OF N.E.C.
- WIRING IN AREA SEPARATION WALLS TO COMPLY WITH ARTICLE 300-22 OF THE N.E.C.
- PROVIDE FIRESTOPPING AT ALL REQUIRED PENETRATIONS.
- BACK-TO-BACK OUTLETS CANNOT BE IN THE SAME STUD CAVITY IN RATED WALLS. 8" MINIMUM SPACING REQUIRED.
- SLEEVE ELECTRICAL PENETRATIONS FROM FERROUS SLEEVES AND ALL AREA SEPARATION WALLS.
- AN ELECTRICAL PERMIT SHALL BE ACQUIRED BY A STATE LICENSED ELECTRICAL CONTRACTOR.
- PROVIDE GROUNDING AS PER N.E.C. SECTION 250.
- ALL ELECTRICAL WORK IS SUBJECT TO FIELD REVIEW BY THE ELECTRICAL INSPECTOR AND THE PROJECT ENGINEER.
- PROVIDE PROPER WORKING CLEARANCES AT ALL ELECTRICAL EQUIPMENT.
- MAXIMUM OF SIX (6) DUPLEX OUTLETS PER 20 AMP CIRCUIT UNLESS NOTED OTHERWISE.
- ALL WORK TO COMPLY WITH STATE AND LOCAL CODES.
- DO NOT LAY WIRES, FLEX, ETC. ON CEILING TILE.
- WHERE A FLOOR COVERING OR FINAL FLOOR FINISH IS OTHER THAN CARPET OR VINYL TILE, CONDUIT SHALL NOT BE RUN WITHIN CONCRETE SLABS. 1" OF CONCRETE OVER THE TOP OF CONDUITS AND SLABS MUST BE MAINTAINED. 1-1/2" OVER IS PREFERRED.
- PROVIDE SEAL-OFFS WHEN PIPING PASSES THROUGH AREAS OF DIFFERENT AMBIENT TEMPERATURES AND/OR HAZARDOUS AREAS.
- PROPER PROTECTION AGAINST CORROSION REQUIRED FOR ALL ELECTRICAL EQUIPMENT. IT SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED.
- BRANCH CIRCUIT CONDUCTORS SUPPLYING A SINGLE MOTOR SHALL HAVE AN AMPACITY NOT LESS THAN 125% OF THE MOTOR FULL LOAD CURRENT RATING.
- PROPER THERMAL OVERLOAD PROTECTION SHALL BE REQUIRED FOR ALL MOTORS.
- DO NOT ROUGH IN ANY CIRCUITS UNTIL ALL MECHANICAL & OTHER EQUIPMENT SUBMITTALS ARE THOROUGHLY REVIEWED FOR CHANGES IN CIRCUIT SIZES. NOTIFY ENGINEER IF ANY DISCREPANCIES. E.C. WILL BE COMPENSATED ACCORDINGLY.
- PROVIDE OPERATION AND MAINTENANCE MANUALS AT PROJECT COMPLETION.
- PROVIDE NECESSARY TRAINING ON ELECTRICAL SYSTEMS TO OWNER.
- PROPER TIME IS TO BE GIVEN TO PRE-CONSTRUCTION COORDINATION OF ALL OTHER SYSTEMS. ELECTRICAL CONTRACTOR TO VERIFY MOUNTING HEIGHTS OF DEVICES WITH FINAL FURNITURE AND CABINET PLANS. FLOOR OUTLETS TO BE FIELD VERIFIED FOR EXACT PLACEMENT.
- FEEDERS ARE TO BE KEPT AWAY FROM RESIDENT ROOMS.
- PROVIDE PROPER SEPARATION BETWEEN LOW VOLTAGE CONDUCTORS AND HIGHER VOLTAGE CONDUCTORS.
- UNLESS NOTED OTHERWISE, ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONCRETE PADS AND HOUSEKEEPING PADS. PROVIDE PROPER SLOPE FOR DRAINAGE. ALL OUTDOOR CONCRETE BASES AND PADS TO BE 4,000 PSI CONCRETE. ALL INDOOR HOUSEKEEPING PADS TO BE 3,000 PSI CONCRETE.
- MAKE SURE THERE ARE RECEPTACLES WITHIN 25 FEET OF HVAC EQUIPMENT FOR SERVICEABILITY.
- ALL TELEDATA BACK BOXES AND COMMUNICATION CLOSETS TO HAVE #6 GROUND WIRE TO SERVICE GROUND.
- PROVIDE BLANK COVERPLATES FOR ALL UNUSED JUNCTION-BOXES AND BACK-BOXES AT JOB COMPLETION.
- COORDINATE DOOR HARDWARE ROUGH-IN REQUIREMENTS WITH DOOR, HARDWARE AND SECURITY SUPPLIERS. PROVIDE BACKBOXES, CONDUIT, WIRING, ETC. FOR A COMPLETE SYSTEM.
- E.C. IS TO REVIEW ALL OTHER TRADES CONSTRUCTION DRAWINGS AND SHOP DRAWINGS FOR ANY ELECTRICAL ROUGH-IN REQUIREMENTS NOT SHOWN IN ELECTRICAL CONSTRUCTION DOCUMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, ARCHITECTURAL, INTERIOR DESIGN, MECHANICAL, PLUMBING, FOOD SERVICE, AUDIOVISUAL, SECURITY, ACCESS CONTROL, INFORMATION TECHNOLOGY, FIRE ALARM, LANDSCAPING AND ANY OTHER SPECIALTY SYSTEM DOCUMENTS.
- OWNER AND/OR OWNER'S REPRESENTATIVE IS RESPONSIBLE FOR CONTACTING AND COORDINATING SERVICES AND EQUIPMENT CONTRACTS FOR PHONE, INTERNET, CABLE TV, SECURITY, ACCESS CONTROL, PAGING, SOUND, ETC., ALONG WITH SERVICE ENTRANCE RACEWAY SIZES AND LOCATIONS. INTERIOR RACEWAYS AND BACK-BOXES FOR SUCH SYSTEMS WILL BE INSTALLED PER PART OF THE BASE CONTRACT DOCUMENTS BY THE ELECTRICAL CONTRACTOR. REFER TO TELEDATA NOTES FOR CABLEING, JACK AND CABLE TERMINATION REQUIREMENTS, IF ANY, AS PART OF THIS PROJECT'S CONTRACT.

TELE/ATA NOTES:

- PROVIDE CABLES AND JACKS AS OUTLINED IN SPECIFICATIONS
- PROVIDE QUAD RECEPTACLE AT 48" AFF AND #6 GROUND ON I.T. BACKBOARD. SEE DETAIL FOR NEWTON GROUNDING BAR.
- PLYWOOD BACKBOARDS TO BE 3/4" THICK PLYWOOD 48" BY 96" NEEDED HORIZONTALLY WITH BOTTOM EDGE 38" AFF. PAINT WITH TWO COATS FIRE RESISTANT PAINT EVEN IF USING FIRE RATED WOOD.

THE COTTAGE at THORNAPPLE
Hastings, MI

PROJ. NO.: 2011-11-021

02/21/12 ISSUED FOR BIDS

CONSTRUCTION MANAGER
CM CONTRACTING
HURLEY & STEWART
STRUCTURAL ENGINEER
JDH ENGINEERING
MECH. ENGINEER
E2W ENGINEERING
FOOD SERVICE CONSULTANT
MILLIS & ASSOCIATES

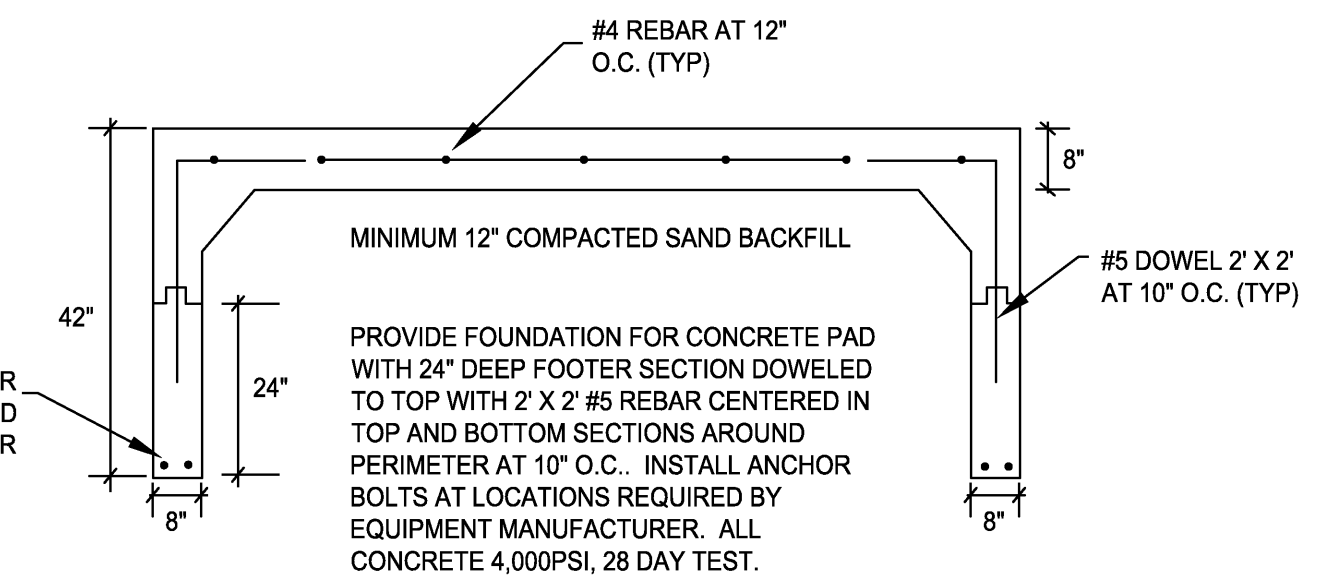
POWER SCHEDULES AND DETAILS

E400

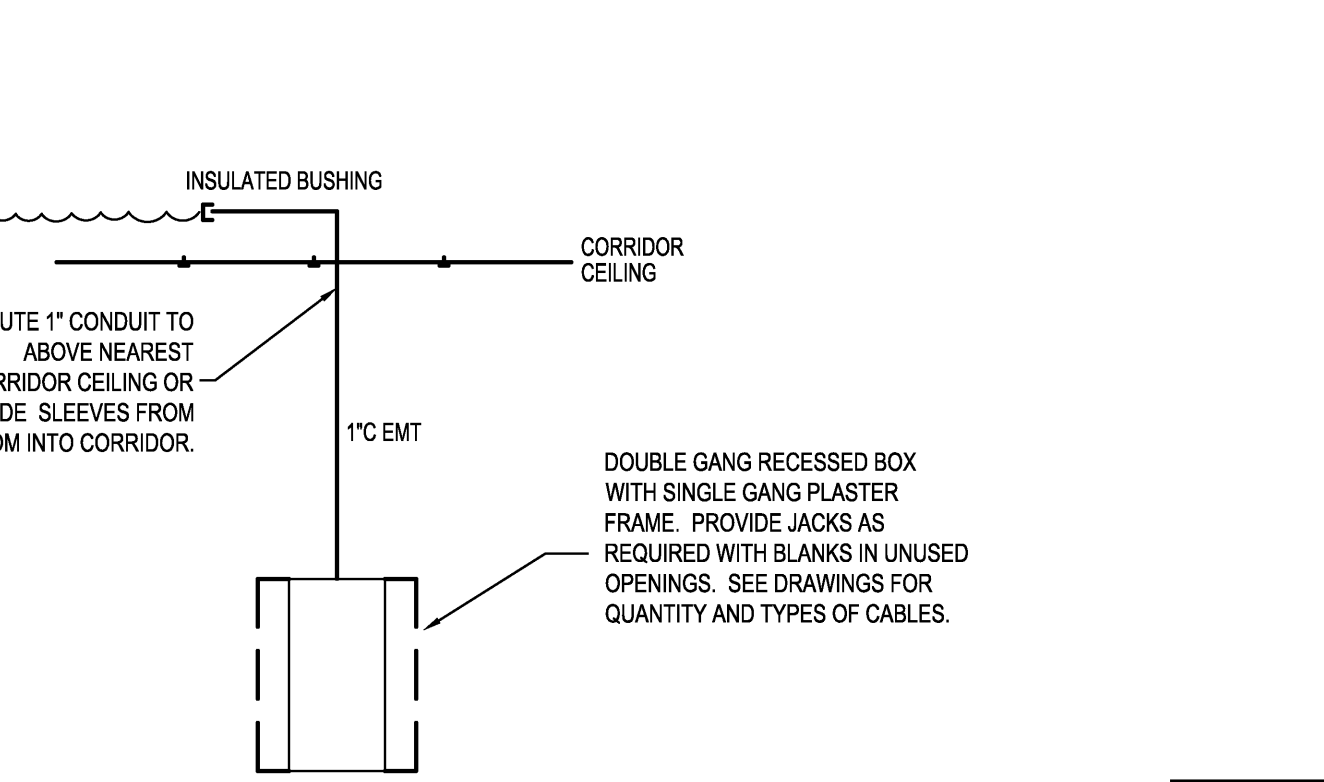
MOUNTING HEIGHTS

SWITCHES	48"
RECEPTACLES - STANDARD	18"
RECEPTACLES - ABOVE COUNTERS	43"
RECEPTACLES - MECHANICAL ROOMS	48"
RECEPTACLES - PLANT AREAS & GARAGE	48"
RECEPTACLES - EXTERIOR	96"
TELEVISION RECEPTACLE	24" (ABOVE FINISH GRADE)
LOW VOLTAGE OUTLETS	SAME AS RECEPTACLES
DISCONNECT SWITCHES	60" (TO CENTER OF HANDLE)
MOTOR STARTERS	72" (TO CENTER OF HANDLE)
PANELS	72" TO 78" (TO TOP OF PANEL AS LONG AS BOTTOM IS AT LEAST 12" AFF)
FIRE ALARM PULL STATIONS	48" (TO TOP OF PULL HANDLE)
FIRE ALARM INDICATING DEVICES	6" (TO BOTTOM OF DEVICE OR 6" FROM CEILING TO CENTER)
CONTROL BUTTONS - FINISHED AREAS	48"
CONTROL BUTTONS - UNFINISHED AREAS	60"
CARD READERS, ETC.	48"
WALL MOUNTED CLOCKS, SPEAKERS, EXT. SIGNS, EMERGENCY LIGHTING	90" (SEE ARCHITECTURAL ELEVATIONS OR COORDINATE WITH ARCHITECTURAL FEATURES)
EXTERIOR BUILDING MOUNTED LIGHT FIXTURES	90"

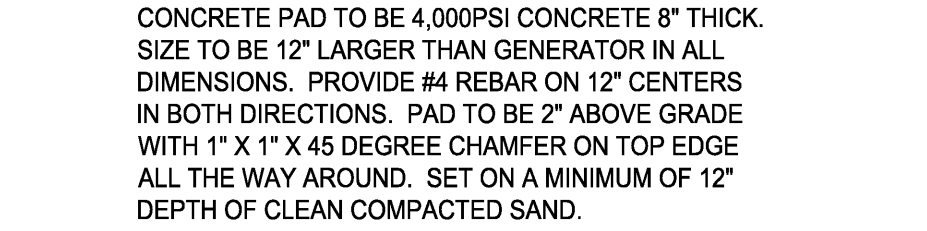
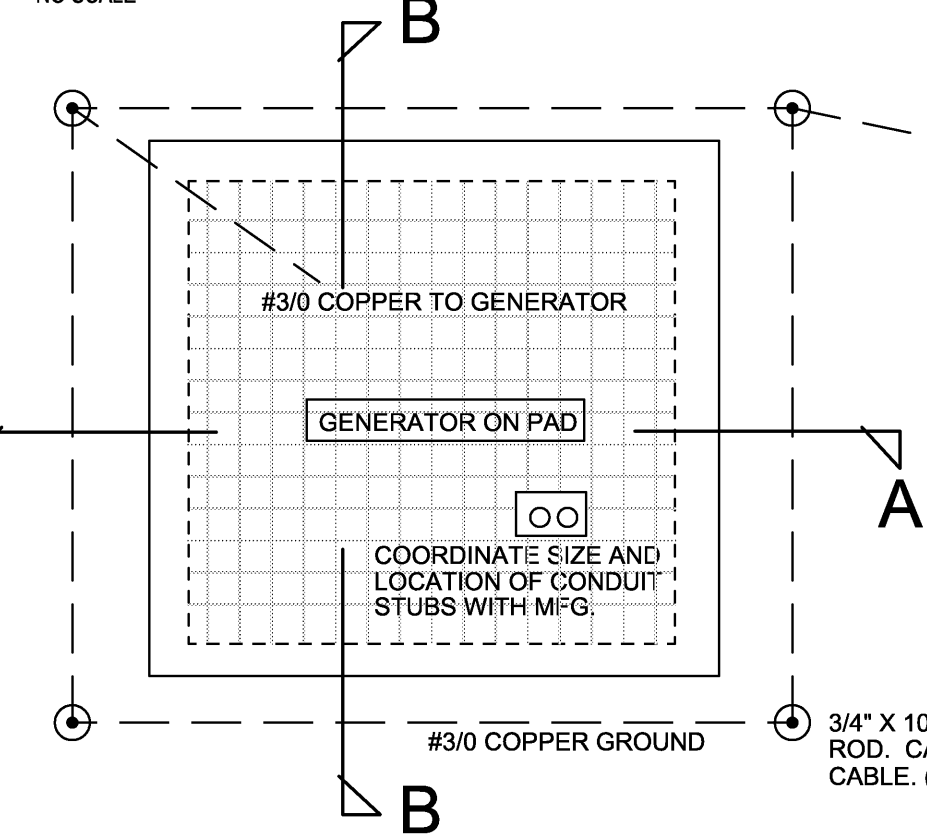
UNLESS NOTED OTHERWISE, MEASUREMENTS INDICATE TO CENTER OF BOX. IF DEVICE IS MARKED ON DRAWINGS DIFFERENTLY THAN THIS SCHEDULE, USE DRAWINGS AS A GUIDE. CERTAIN PROJECT CONDITIONS MAY WARRANT VARYING THE HEIGHTS. ELECTRICAL CONTRACTOR'S FIELD FOREMAN IS TO STUDY FINAL DOCUMENTS WITH SUBMITTALS FROM ALL TRADES BEFORE ROUGHING IN (IF POSSIBLE). REFER TO INTERIOR ELEVATIONS FOR HEIGHTS AND LOCATIONS OF EQUIPMENT AND FURNITURE.



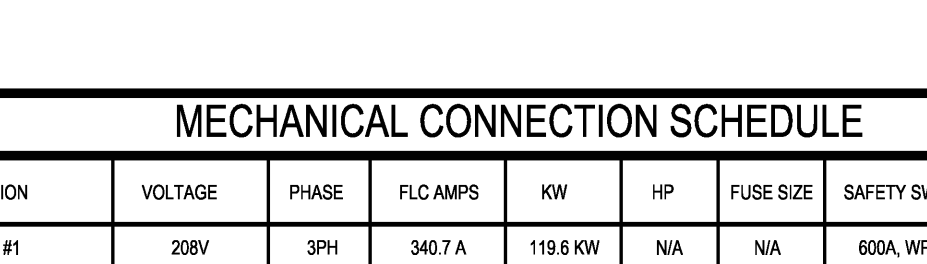
PAD SECTION A-A AND B-B



TRANSFORMER PAD DETAIL



GENERATOR PAD DETAIL



MECHANICAL CONNECTION SCHEDULE										
TAG	DESCRIPTION	VOLTAGE	PHASE	FLC/AMPS	KW	HP	FUSE SIZE	SAFETY SWITCH	WIRE SIZE	CIRCUIT
CLR-1	CHILLER #1	208V	3PH	340.7A	119.8 KW	N/A	N/A	600A WP NF	800KCMIL 3/0 AWG	200A 3P CB ESOP
AHU-1	AIR HANDLING UNIT #1	208V	3PH	48.0A	16.6 KW	1/2HP	50A	VFD BY MFG	#12 AWG	100A 3P CB ESOP
AHU-2	AIR HANDLING UNIT #2	208V	3PH	48.0A	16.6 KW	1/2HP	50A	VFD BY MFG	#12 AWG	100A 3P CB ESOP
B-1	BOLLER #1	120V	1PH	20A	1.2 KW	N/A	N/A	20A 1P	#12 AWG	EM-4
B-2	BOLLER #2	120V	1PH	20A	1.2 KW	N/A	N/A	20A 1P	#12 AWG	EM-5
WH-1	WATER HEATER #1	120V	1PH	15A	1.0 KW	N/A	N/A	20A 1P	#12 AWG	EM-6
WH-2	WATER HEATER #2	120V	1PH	15A	1.0 KW	N/A	N/A	20A 1P	#12 AWG	EM-7
CH-1	CABINET HEATER #1	120V	1PH	3.1A	0.4 KW	1/8HP	N/A	ON UNIT	#12 AWG	EM-14
CH-2	CABINET HEATER #2	120V	1PH	3.1A	0.4 KW	1/8HP	N/A	ON UNIT	#12 AWG	EM-15
CH-3	CABINET HEATER #3	120V	1PH	3.1A	0.4 KW	1/8HP	N/A	ON UNIT	#12 AWG	EM-16
EF-1	EXHAUST FAN #1	120V	1PH	3.1A	0.4 KW	1/8HP	N/A	SNAP SWITCH	#12 AWG	EM-17
EF-2	EXHAUST FAN #2	120V	1PH	3.1A	0.4 KW	1/8HP	N/A	SNAP SWITCH	#12 AWG	EM-18
EF-3	EXHAUST FAN #3	120V	1PH	3.1A	0.4 KW	1/8HP	N/A	SNAP SWITCH	#12 AWG	EM-19
EF-4	EXHAUST FAN #4	120V	1PH	3.1A	0.4 KW	1/8HP	N/A	SNAP SWITCH	#12 AWG	EM-20
EF-5	EXHAUST FAN #5	120V	1PH	3.1A	0.4 KW	1/8HP	N/A	SNAP SWITCH	#12 AWG	EM-21
EF-6	EXHAUST FAN #6	120V	1PH	3.1A	0.4 KW	1/8HP	N/A	SNAP SWITCH	#12 AWG	EM-22
EF-7	EXHAUST FAN #7	120V	1PH	5.8A	1.2 KW	1/2HP	N/A	FACTORY SWITCH	#12 AWG	EM-23
EF-8	EXHAUST FAN #8	120V	1PH	5.8A	1.2 KW	1/2HP	N/A	FACTORY SWITCH	#12 AWG	EM-24
EF-9	EXHAUST FAN #9	120V	1PH	5.8A	1.2 KW	1/2HP	N/A	FACTORY SWITCH	#12 AWG	EM-25
UH-1	UNIT HEATER #1	120V	1PH	1.0A	0.1 KW	1/25HP	N/A	SNAP SWITCH	#12 AWG	EM-26
UH-2	UNIT HEATER #2	120V	1PH	1.0A	0.1 KW	1/25HP	N/A	SNAP SWITCH	#12 AWG	EM-27
UH-3	UNIT HEATER #3	120V	1PH	1.0A	0.1 KW	1/25HP	N/A	SNAP SWITCH	#12 AWG	EM-28
P-1	PUMP #1	208V	3PH	17.5A	6.3 KW	5HP	25A	VFD BY E.C.	#10 AWG	EM-29
P-2	PUMP #2	208V	3PH	17.5A	6.3 KW	5HP	25A	VFD BY E.C.	#10 AWG	EM-30
P-3	PUMP #3	120V	1PH	7.2A	0.9 KW	1/3HP	N/A	MANUAL MOTOR STARTER	#12 AWG	EM-31
P-4	PUMP #4	208V	3PH	5.0A	2.2 KW	1-1/2HP	7-1/2A	VFD BY E.C.	#12 AWG	EM-32
P-5	PUMP #5	208V	3PH	5.0A	2.2 KW	1-1/2HP	7-1/2A	VFD BY E.C.	#12 AWG	EM-33
P-6	PUMP #6	120V	1PH	5.8A	0.7 KW	1/4HP	N/A	MANUAL MOTOR STARTER	#12 AWG	EM-34
P-7	PUMP #7	120V	1PH	5.8A	0.7 KW	1/4HP	N/A	MANUAL MOTOR STARTER	#12 AWG	EM-35
P-8	PUMP #8	208V	3PH	3.2A	11.5 KW	10HP	45A	VFD BY E.C.	#6 AWG	EM-36
P-9	PUMP #9	208V	3PH	3.2A	11.5 KW	10HP	45A	VFD BY E.C.	#6 AWG	EM-37
P-10	PUMP #10	120V	1PH	7.2A	0.9 KW	1/3HP	N/A	MANUAL MOTOR STARTER	#12 AWG	EM-38
P-11	PUMP #11	120V	1PH	5.8A	0.7 KW	1/4HP	N/A	MANUAL MOTOR STARTER	#12 AWG	EM-39
P-12	PUMP #12	120V	1PH	5.8A	0.7 KW	1/4HP	N/A	MANUAL MOTOR STARTER	#12 AWG	EM-40
P-13	PUMP #13	120V	1PH	2.1A	0.3 KW	1/25HP	N/A	MANUAL MOTOR STARTER	#12 AWG	EM-41
VW-101	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-42
VW-102	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-43
VW-103	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-44
VW-104	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-45
VW-105	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-46
VW-106	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-47
VW-107	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-48
VW-108	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-49
VW-109	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-50
VW-110	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-51
VW-111	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-52
VW-112	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-53
VW-113	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-54
VW-114	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-55
VW-115	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-56
VW-116	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-57
VW-117	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-58
VW-118	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-59
VW-119	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-60
VW-120	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-61
VW-121	VARIABLE AIR VOLUME BOX	120V	1PH	5.0A	0.6 KW	N/A	N/A	FACTORY SWITCH	#12 AWG	EM-62
H-1	HUMIDIFIER #1	208V	3PH	83.3A	30.0 KW	N/A	110A	200A 3P	#10 AWG	EM-63
H-2	HUMIDIFIER #2	208V	3PH	55.5A	20.0 KW	N/A	70A	100A 3P	#10 AWG	EM-64
AC-1	SPLIT SYSTEM INDOOR UNIT	208V	1PH	1.0A	0.2 KW	N/A	N/A	N/A	#10 AWG	EM-65
ACQ-1	OUTDOOR SPLIT SYSTEM CONDENSER	208V	1PH	14.4A	3.0 KW	N/A	30A	30A 3P	#10 AWG	EM-66