

TOTAL EST.  
AREA: 18,496 SF

1 FLOOR PLAN - EXISTING  
A-1 SCALE: 1/16" = 1'

<b>Engineers &amp; Contractors</b> PLANS   CONSTRUCTION   INSPECTION		COMMERCIAL WAREHOUSE - AS BUILT XIAN LI 59 ROGER AVE. JASPER GA 30143		Designed D.WANG 6/3/21 Drawn D.WANG 6/3/21 Checked Z.CAO 6/3/21				
SEAL: 		FLOOR PLAN - EXISTING WAREHOUSE Approved _____ Date _____ Title _____ Job _____ Class _____						
REVISIONS <table border="1"> <thead> <tr> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		Date	Description			File No. P2105 Sheet 2 of 4		
Date	Description							

ELECTRICAL ABBREVIATIONS

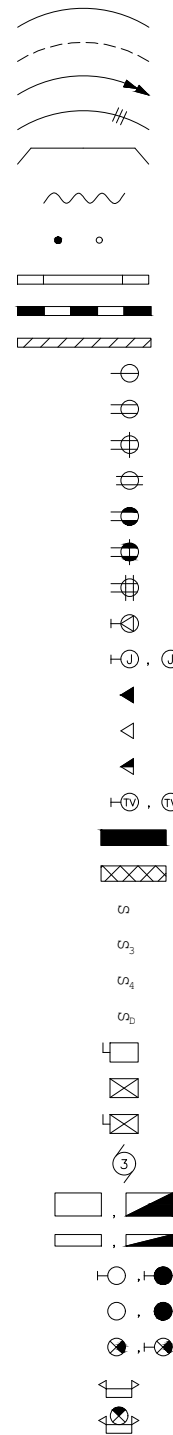
ACT	ABOVE COUNTERTOP OR BACKSPLASH
AC	ABOVE COUNTER
AMP	AMPERES
AFF/AFG	ABOVE FINISHED FLOOR/ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
AWG	AMERICAN WIRE GAUGE
BC	BELOW CEILING
BD	BOARD
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CAP	CAPACITY
CBKR	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CL	CENTER LINE
COL	COLUMN
CONN	CONNECTION
CONT	CONTINUATION
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
DET	DETAIL
DF/EDF	ELECTRICAL DRINKING FOUNTAIN
DN	DOWN
DS	DISCONNECT SWITCH
DWG	DRAWING
EA	EACH
EC	EMPTY CONDUIT
EF	EXHAUST FAN
ELEC	ELECTRIC
EQ	EQUIPMENT
EX	EXITING
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATION PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FU	FUSED
FL	FLOOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND/G	GROUND
HP	HORSEPOWER
IG	ISOLATED GROUND
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATT
KAIC	KILO-AMPERE INTERRUPTING CAPACITY
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MISC	MISCELLANEOUS
MRS	MOTOR RATED SWITCH
MTR	MOTOR
MTD	MOUNTED
N	NEW
NEC	NATIONAL ELECTRICAL CODE
NF	NONFUSED
NO.	NUMBER
NTS	NOT TO SCALE
PNL	PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
R	RELOCATED
RTU	ROOF TOP UNIT
SH	SHEET
SW	SWITCH
TEF	TOILET EXHAUST FAN
UNO	UNLESS NOTED OTHERWISE
WH	WATER HEATER
WP	WEATHER PROOF
XFMR	TRANSFORMER

ELECTRICAL GENERAL NOTES

- ALL WORK WITHIN THIS DIVISION SHALL COMPLY WITH ALL LOCAL BUILDING REGULATIONS, CODES, LAWS, ORDINANCES, AND REQUIREMENTS OF THE 2021 NATIONAL ELECTRICAL CODE.
- AT THE COMPLETION OF HIS/HER WORK, THE CONTRACTOR SHALL SUBMIT "AS BUILT" DRAWINGS TO THE OWNER. THESE "AS BUILT" DRAWINGS SHALL SERVE AS A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THE DRAWINGS AND SPECIFICATIONS.
- DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT NECESSARILY INDICATE EVERY FITTING AND DETAIL. ALL WORK SHALL BE INSTALLED SO THAT JUNCTION BOXES AND COMPONENTS SHALL BE ACCESSIBLE FOR SERVICE.
- ALL EQUIPMENT, SYSTEMS, COMPONENTS, WORK, ETC. PROVIDED AND INSTALLED UNDER THIS DIVISION SHALL BE COVERED BY A COMPLETE ON YEAR GUARANTEE STARTING AT THE TIME OF FINAL APPROVAL AND ACCEPTANCE OF THE WORK BY THE OWNER. ANY DEFECTS IN THE EQUIPMENT, SYSTEMS, COMPONENTS, ET. FOUND DURING THIS ONE YEAR TIME SHALL BE CORRECT AT NO CHARGE. THIS GUARANTEE SHALL INCLUDE PROVIDING ALL NECESSARY PATCHWORK, CUTTING, PERTAINING, ETC. TO INSURE THE WORK IS COMPLETE AND NEW.
- ALL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO GENERAL ACCEPTED PRINCIPALS OF FIRST CLASS WORKMANSHIP.
- THESE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATION OF ELECTRICAL WORK. DATA SHOWN ON THESE DRAWINGS IS AS ACCURATE AS PLANNING CAN DETERMINE BUT FIELD VERIFICATION OF ALL DIMENSIONS, LEVELS, LOCATIONS, ETC. TO FIELD CONDITIONS SHALL BE REQUIRED. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, CIVIL, STRUCTURAL, AND MECHANICAL DRAWINGS, AND SHALL ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS INDICATED.
- CONTRACTOR SHALL COOPERATE AND COORDINATE WITH OTHER TRADES TO INSURE THAT INSTALLATION OF ELECTRICAL EQUIPMENT AND OUTLETS SHALL BE PROPERLY COORDINATED. CONDUIT, FIXTURES, AND EQUIPMENT LAOTIAN SHALL BE CHECKED AND COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH STEEL PIPING, BEAMS, DUCTWORK, OR OTHER OBSTRUCTIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ELECTRICAL DEVICES.
- WHERE WORK BY THE GENERAL CONTRACTOR (NEW OR RELOCATED WALL OPENINGS, WALL REMOVAL, ETC.) RESULTS IN THE RELOCATION, REMOVAL, OR RE-FEEDING OF ELECTRICAL DEVICES OR LIGHTING FIXTURES, THE ELECTRICAL CONTRACTOR SHALL DISCONNECT OR RECONNECT ALL ACTIVE DEVICES REMANDING ON THAT CIRCUIT SYSTEM(S) AS REQUIRED.
- RING OUT ALL CIRCUIT IN EXISTING PANEL(S) AFFECTED BY THIS ALTERATION. WHERE ADDITIONAL CIRCUITS AND NEEDED, REUSE CIRCUITS THAT ARE AVAILABLE FOR REUSE AND/OR PROVIDE NEW BREAKERS. ALL UNUSED CIRCUITS SHALL BE TAGGED AS SPARE AND ALL INOPERATIVE CIRCUIT BREAKERS SHALL BE REPLACED. ALL CONNECTIONS SHALL BE TIGHTENED AS REQUIRED.
- ALL EXISTING FIRE ALARM, POWER DISTRIBUTION, JUNCTION BOXES, ETC. SHALL BE RELOCATED IF LOCATION OVER A CEILING SCHEDULED AS GYPSUM BROAD. ALL EXISTING JUNCTION BOXES SHALL BE RELOCATED TO ACCESSIBLE LOCATIONS AS NECESSARY.
- WHERE ANY EXISTING CIRCUIT(S) TO REMAIN IS INTERRUPTED BY CONSTRUCTION, CIRCUIT SHALL BE MADE CONTINUOUS.
- PROVIDE "HACR" TYPE BREAKERS FOR ALL MECHANICAL EQUIPMENT.
- IN CASES WHERE CONFLICT OCCURS BETWEEN DRAWINGS AND SPECIFICATIONS OF BETWEEN DIFFERENT TRADES, AS WELL AS CASES OF ANY OMISSION OF INFORMATION, NOTIFY THE ARCHITECT OR ENGINEER TO RESOLE AND OBTAIN RESOLUTION OF THE CONFLICT OR OMISSION BEFORE PROCEEDING WITH THE INSTALLATION.
- WHERE DEMOLITION DISRUPTS ELECTRICAL CONTINUITY OF EXISTING RECEPTACLES AND/OR LIGHTS, AND NO RECONNECTIONS IS INDICATED, RECONNECT TO ITS EXISTING CIRCUIT.
- ALL CONDUITS CROSSING EXPANSION JOINT SHALL HAVE EXPANSION TYPE FITTINGS. WIRING SHALL BE INSTALLED AT DEPTHS BELOW FINISHED GREADE (BELOW SLAB AND SUB-BASE LEVEL) PRE NEC 300.5.
- PROVIDE ALL GROUNDING AS REQUIRED PRE NEC.
- A COMMON NEUTRAL SHALL BE USED AS PERMITTED BY THE NEC FOR MULTI-WIRE BRANCH CIRCUITS. A SEPARATE NEUTRAL SHALL BE PROVIDED FOR ALL CIRCUITS CONNECTED TO GROUND FAULT CIRCUIT INTERRUPTED (G.F.C.I.) TYPE DEVICES.
- ALL BRANCH CIRCUIT CONDUCTORS SHALL INCLUDED A SEPARATE, GREEN GROUND WIRE, SIZED PER NEC AS INDICATED CONNECTED TO EACH DEVICE AND OUTLET BOX ON THE CIRCUIT AND TO THE PLANEBOARD GROUND BUS. MULTIPLE WIRE BRANCH CIRCUITS WITH COMMON NEUTRALS REQUIRE ONLY ONE GROUND WIRE UNLESS OTHERWISE NOTED.

- PROVIDE #12 AWG GROUND WIRE FOR ALL MECHANICAL EQUIPMENT UNLESS OTHERWISE NOTED. ALL EQUIPMENT SHALL BE GROUNDED AT THE PANEL WITH FEEDS THE EQUIPMENT.
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE "THW" OR "THHN" INSULATION. THE MINIMUM WIRE SIZE SHALL BE #12 AWG WITH 167 DEGREE F TEMPERATURE RATING.
- MINIMUM HOME-RUN SIZE SHALL BE 3/8".
- ALL CONDUIT SHALL BE 1/2" EMT WITH #12 AWG CONDUCTORS U.O.N.
- ALL CONDUIT SHALL BE CONCEALED IN WALLS OR ABOVE THE CEILING U.O.N.
- ARMORED CABLE SHALL BE USED IN WALLS AND MILLWORK ONLY AS WELL AS LIGHTING CIRCUITS ABOVE CEILING AND SHALL BE MC TYPE (WITH GROUND). ALL CONDUIT TO AND ABOVE THE PLENUM AND CIRCUIT HOME-RUNS SHALL BE EMT.
- PROVIDE AND INSTALL AND OUTLET BOX WITH 3/4" CONDUIT WITH PULL STRING STUBBED UP WALL OR NEAREST WALL 6" ABOVE CEILING AT EACH NEW TELEPHONE AND DATA OUTLET. EXISTING TELEPHONE AND DATA OUTLETS SHALL BE REMOVED WHERE NOT USED.
- ALL CONDUITS FOR FUTURE USE (I.E. TELEPHONE, DATA, ETC.) SHALL HAVE PULL STRING PULLED IN THE CONDUIT AND SECURED AT BOTH ENDS N.O.N.
- ALL 120V BRANCH CIRCUITS CONDUCTORS LONGER THAN 70'-0" SHALL BE #10 AWG AND LONGER THAN 150'-0" SHALL BE #8 AWG.
- RECESSED LIGHTING FIXTURES SHALL BE FASTENED TO STRUCTURE OR GRID PRE NEC 410.16.
- RECESSED INCANDESCENT FIXTURES SHALL BE SUPPORTED IN COMPLIANCE WITH NEC 410.65(C).
- FURNISH AND INSTALL ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES, RACEWAY, AND WIRES TO MEET JOB CONDITION.
- ALL EXIT SIGNS AND EMERGENCY FIXTURES SHALL BE CONNECTED WITH CLOSEST EMERGENCY CIRCUIT.
- PROVIDE NEW BALLAST IN EXISTING LIGHTING FIXTURES AS REQUIRED TO MAKE THEM COMPLETELY OPERATIONAL.
- ALL SWITCHES FOR LIGHTS, FANS, ETC. INDICATED MOUNTED IN THE SAME GENERAL AREA SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED. VERIFY ALL DOORS SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- VERIFY LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGH-IN.
- DISCONNECT SWATCHES SHALL NOT BE MOUNTED ON DUCTWORK OR HVAC EQUIPMENT.
- LABEL AND IDENTIFY ALL JUNCTION BOXES, WIREWAYS AND SWITCHES AT THE TIME OF INSTALLATION. PROVIDE PERMANENT NAMEPLATES AS SPECIFIED OR INDICATED PRIOR TO FINAL INSPECTION.
- ALL HOME-RUNS SHALL BE PROTECTED BY 20A/1P BREAKERS UNLESS OTHERWISE NOTED. REUSE EXITING HOME-RUNS WHERE APPLICABLE WITHIN THE DESIGN CRITERIA OF THESE DRAWINGS.
- DEVICE MOUNTING HEIGHTS SHALL BE MEASURED CENTERLINE TO THE DEVICE.
- REMOVE ALL ABANDONED WIRE.
- COORDINATE RECEPTACLE NEMA TYPE(S) AND VOTAGE(S) WITH EQUIPMENT. MINIMUM AMPERE RATING OF A RECEPTACLE SHALL BE EQUAL TO ITS BRANCH CIRCUIT BREAKER'S SIZE.
- ALL PENETRATIONS THRU RATED WALLS, FLOORS, AND CEILINGS SHALL BE FIRE STOPPED PER NEC 300.21.
- ALL ROOF PENETRATIONS SHALL BE AUTHORIZED BY LANDLORD AND IN ACCORDANCE WITH LANDLORD REQUIREMENTS. MAINTAIN ROOF WATERTIGHT INTEGRITY.
- PROVIDE A NEW DIRECTORY FOR ALL PANELS. UPDATE EACH PENAL DIRECTORY NOTING ALL CHANGES AND ADDITIONS. CORRECTLY LABEL ALL EXISTING CIRCUITS NEW CIRCUITS, SPARE AND SPACES. NEW DIRECTORY SHALL BE TYPE WRITTEN.

SYMBOL



DESCRIPTION

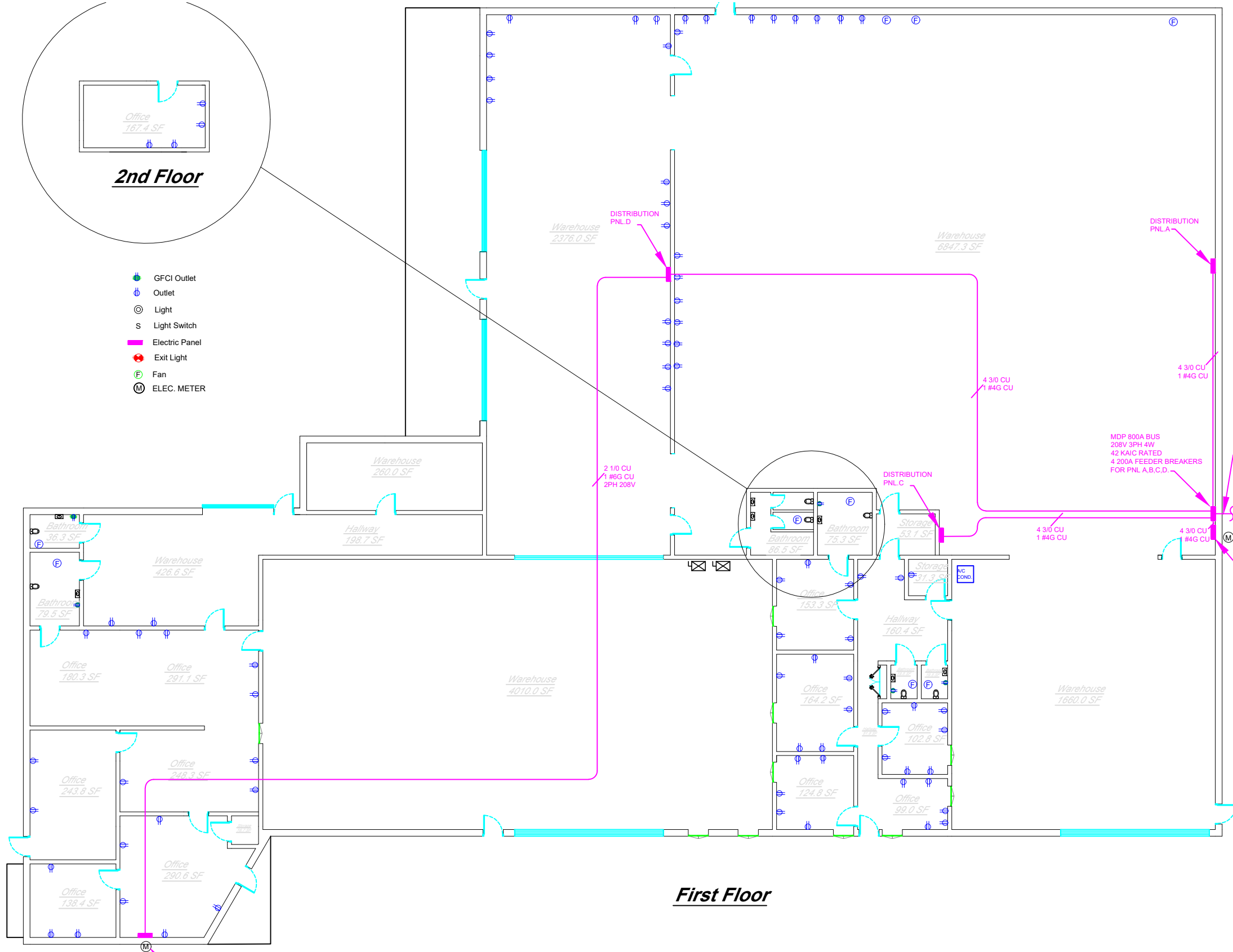
CONCEALED CONDUIT IN CEILING OR WALL  
 CONCEALED CONDUIT IN FLOOR OR UNDERGROUND  
 CIRCUIT HOME-RUN TO PANEL. EACH ARROWHEAD = 1 CIRCUIT  
 NUMBER OF CONDUCTORS IN CONDUIT. (GROUND WIRE NOT INDICATED)  
 EXPOSED CONDUIT  
 FLEXIBLE CONDUIT OR S.O. CORD.  
 CONDUIT STUBBED UP OR STUBBED DOWN  
 SURFACE MOUNTED RACEWAY  
 MULTI-OUTLET SURFACE MOUNTED RACEWAY  
 FIRE RETARDANT PLYWOOD BACKBOARD  
 WALL MOUNTED SINGLE RECEPTACLE OUTLET  
 WALL MOUNTED DUPLEX RECEPTACLE OUTLET  
 WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE OUTLET  
 CEILING MOUNTED DUPLEX RECEPTACLE OUTLET  
 WALL MOUNTED G.F.C.I. DUPLEX RECEPTACLE OUTLET  
 ABOVE COUNTER G.F.C.I. DUPLEX RECEPTACLE OUTLET  
 WALL MOUNTED QUAD RECEPTACLE OUTLET  
 WALL MOUNTED SPECIAL PURPOSE RECEPTACLE OUTLET  
 JUNCTION BOX - SIZE AND MOUNTING AS REQUIRED  
 WALL MOUNTED TELEPHONE OUTLET  
 WALL MOUNTED DATA OUTLET  
 WALL MOUNTED DATA/TELEPHONE OUTLET  
 CABLE T.V. OUTLET - WALL, CEILING MOUNTED  
 120/208 VOLT PANELBOARD  
 277/408 VOLT PANELBOARD  
 WALL MOUNTED SINGLE POLE SINGLE THROW TOGGLE SWITCH  
 WALL MOUNTED 3-WAY TOGGLE SWITCH  
 WALL MOUNTED 4-WAY TOGGLE SWITCH  
 WALL MOUNTED DIMMER SWITCH (SIZE AND WATTAGE AS REQUIRED)  
 DISCONNECT SWITCH (FRAME SIZE/POLES/FUSE - IF REQUIRED)  
 MOTOR STARTER WITH CONTACTOR AND OVERLOAD PROTECTION  
 COMBINATION MOTOR STARTER/DISCONNECT SWITCH  
 MOTOR - NUMBER INDICATES HORSEPOWER (F = FRACTIONAL)  
 2 X 4 FLUORESCENT LIGHT FIXTURE - NORMAL POWER, EMERGENCY POWER  
 1 X 4 FLUORESCENT LIGHT FIXTURE - NORMAL POWER, EMERGENCY POWER  
 WALL MOUNTED LIGHT FIXTURE - NORMAL POWER, EMERGENCY POWER  
 CEILING MOUNTED LIGHT FIXTURE - NORMAL POWER, EMERGENCY POWER  
 EXIT SIGN - CEILING, WALL MOUNTED BATTERY BACKUP  
 EMERGENCY LIGHT FIXTURE WITH BATTERY BACKUP  
 COMBINATION EMERGENCY LIGHT FIXTURE AND EXIT SIGN WITH BATTERY BACKUP

ON CENTER MOUNTING HEIGHT

18" A.F.F.  
 18" A.F.F.  
 AS REQUIRED  
 18" A.F.F.  
 18" A.F.F.  
 18" A.F.F.  
 18" A.F.F.  
 18" A.F.F.  
 18" A.F.F.  
 18" A.F.F.  
 18" A.F.F.  
 48" A.F.F.  
 48" A.F.F.  
 48" A.F.F.  
 48" A.F.F.  
 AS REQUIRED  
 AS REQUIRED  
 AS REQUIRED

ELECTRICAL SYMBOL LEGEND

Designed	D.WANG	6/10/2
Drawn	D.WANG	6/10/2
Checked	Z.CAO	6/10/2
Approved	Date _____	
Title	Job _____	
COVER SHEET		
COMMERCIAL WAREHOUSE - AS BUILT		
XIAN LI		
JASPER GA 30143		
59 ROGER AVE.		
Engineers & Contractors PLANS   CONSTRUCTION   INSPECTION		
SEAL:		
REVISIONS	Description	
Date		
File No. P2106		
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**2nd Floor**

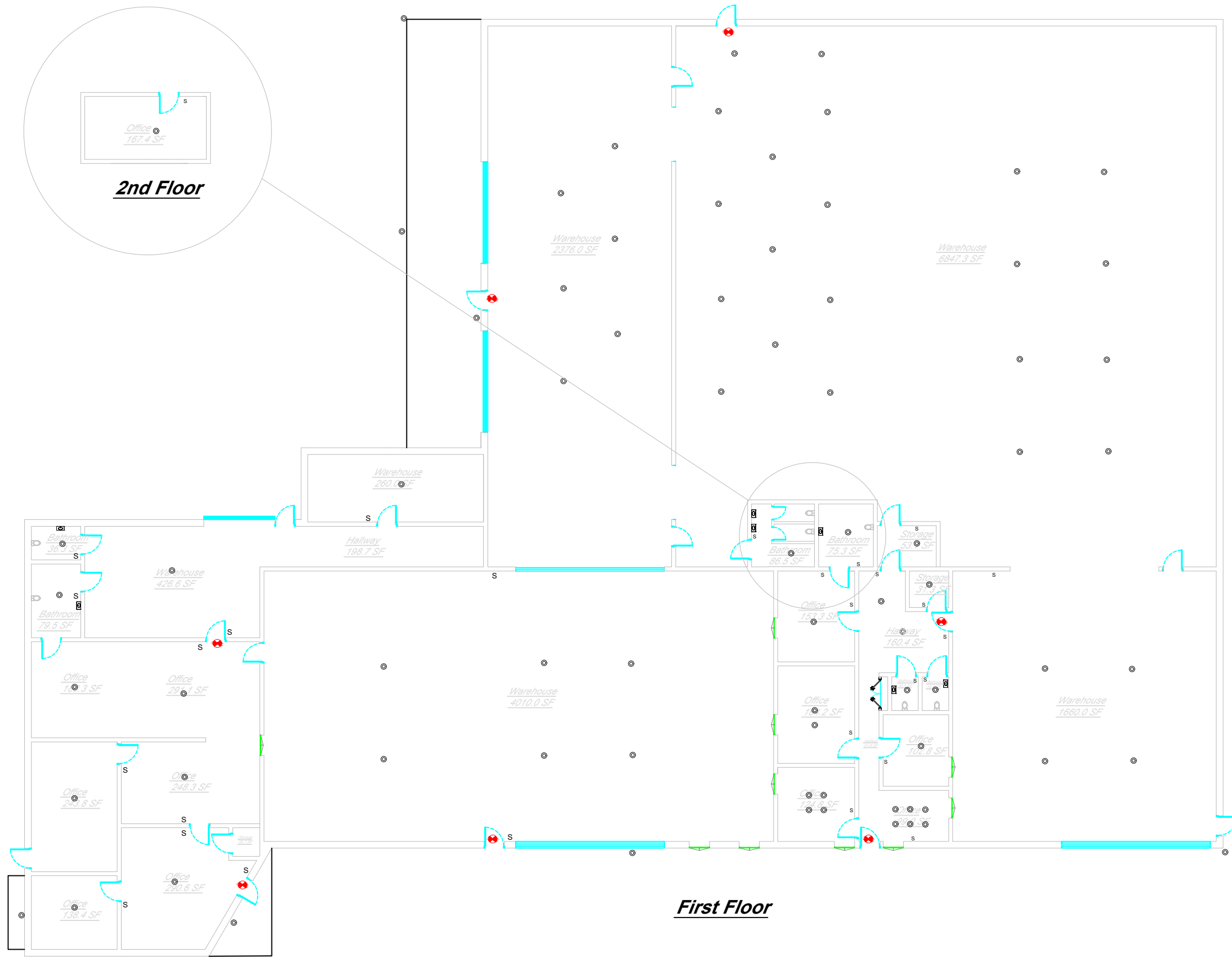
- GFCI Outlet
- Outlet
- Light
- Light Switch
- Electric Panel
- Exit Light
- Fan
- ELEC. METER

**First Floor**

**1** ELECTRICAL PLAN – EXISTING  
 E1 SCALE: 1/16" = 1'

<b>COMMERCIAL WAREHOUSE – AS BUILT</b>		Designed D.WANG 6/10/22
XIAN LI JASPER GA 30143		Drawn D.WANG 6/10/22
59 ROGER AVE.		Checked Z.CAO 6/10/22
<b>ELECTRICAL PLAN – EXISTING</b>		Approved _____ Date _____
WAREHOUSE		Title _____ Job Class _RE_

SEAL:	
REVISIONS	Description
Date	
File No. P2106	
Sheet 3 of 4	



1  
E2 ELECTRICAL LIGHTING PLAN – EXISTING  
SCALE: 3/16" = 1'

REVISIONS	Date		Designed D.WANG	6/10/2
	Description		Drawn D.WANG	6/10/2
			Checked Z.CAO	6/10/2
COMMERCIAL WAREHOUSE – AS BUILT			Approved _____ Date _____	
59 ROGER AVE. JASPER GA 30143			Title _____	
FLOOR PLAN – EXISTING WAREHOUSE				
SEAL:				
File No. P2106				
Sheet 4 of 4				