

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:
 HALGRENS' CONSULTANT
 LANDLORD'S CONSULTANT

CONSTRUCTION WORK BY: (UNLESS NOTED OTHERWISE)
 HALGRENS' CONTRACTOR
 LANDLORD'S CONTRACTOR (TURKEY CONSTRUCTION)

STORE	BUILDING
NEW.....	NEW.....
REVISION.....	EXISTING.....
RELOCATION.....	NEW SHELL ONLY
OTHER.....	

CHEHAYEB & ASSOCIATES, INC.
 CONSULTING ENGINEERS

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LIC. #49521 SOUHEIL CHEHAYEB 09-97 CERT. #7340

- WIRE SIZE NOTES**
1. WIRE SIZE FOR ALL BRANCH CIRCUITS SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE, 2005 EDITION, 75 COLUMN AS A MINIMUM.
 2. WHERE CIRCUIT TO THE LAST DEVICE ON THAT CIRCUIT IS IN EXCESS OF 75 FEET ON 120V CIRCUITS, WIRE SIZE SHALL BE INCREASED FROM NO. 12 ON 20 AMP CIRCUIT TO NO. 10, CIRCUIT IN EXCESS OF 150 FEET WIRE SIZE SHALL BE INCREASED FROM NO. 10 TO NO. 8, OR AS SHOWN ON PLAN WHICHEVER IS MORE STRINGENT.
 3. WHERE WIRE SIZE IS INCREASED DUE TO CIRCUIT LENGTH AS SHOWN ABOVE, THAT WIRE SIZE SHALL BE CARRIED THROUGH OUT THE CIRCUIT AS A MINIMUM.
 4. WIRE SIZING SHALL BE AS SHOWN IN NOTES ABOVE OR AS SHOWN ON THE DRAWINGS WHICHEVER IS MORE STRINGENT.
 5. WHERE WIRE SIZE IS INCREASED DUE TO VOLTAGE DROP CONSIDERATIONS, THE GROUND CONDUCTOR SHALL BE INCREASED ACCORDINGLY.

- POWER KEYED NOTES (CONT.)**
- (2) ELECTRIC WALL HEATER, RAHWALL-AFS-SERIES-200V-1600W-FORGED-AIR-BUILT-IN-THERMOSTAT, RECESS MOUNTED, 1'-0" A.F.F., ACCEPTABLE ALTERNATE: CABET-NEW-SERIES.
 - (2) THREE(3) 20A, 120V, 15 CIRCUIT FROM PANEL "LP-CR" FOR TECH EQUIPMENT CABINET RECEPTACLES.
 - (2) ONE(1) 20A, 120V, 15 CIRCUIT, WITH SIMPLEX RECEPTACLE (QUANTITY NOTED), MOUNTED ABOVE CEILING FOR ELECTRONIC SURVEILLANCE (EAS) SYSTEM. SEE DETAIL 2/E4.4 FOR FURTHER INFORMATION. PROVIDE LOCK-ON CIRCUIT BREAKER.
 - (2) NOT USED.
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 - (2) 500W OUTLET WITH SOLID CONNECTION TO 5'-0" MULTI-OUTLET RACEWAY ASSEMBLY (PLUGMOLD OR PLUGTRAK), MOUNTED ON PHOTO COUNTER BACKSPLASH. RECEPTACLES SHALL 6" ON CENTER.
 - (2) 1000W OUTLET WITH SOLID CONNECTION TO 4'-0" MULTI-OUTLET RACEWAY ASSEMBLY (PLUGMOLD OR PLUGTRAK), MOUNT ON RX "FILLING" COUNTER BACKSPLASH (RACEWAY FLUSH WITH TOP OF BACKSPLASH). RECEPTACLES SHALL BE 6" ON CENTER.
 - (2) 20A, 120V, 15 CIRCUIT FROM PANEL "LP-CR" (WITH WIRES COILED INSIDE JUNCTION BOX) MOUNTED ABOVE CEILING FOR FUTURE PHARMACY ROBOTICS POWER. (COORDINATE WITH REFLECTED CEILING PLAN).
 - (2) RECEPTACLES (EACH CIRCUIT) FOR KIOSKS.
 - (2) ONE(1) 20A, 120V, 15 CIRCUIT, CONNECT TO DUPLEX RECEPTACLE, 1'-6" A.F.F. FOR IRRADIATION CONTROLS.
 - (2) ELECTRIC ROOM EXHAUST FAN "EF-3", ROOF MOUNT. ELECTRICAL CONTRACTOR SHALL PROVIDE LINE VOLTAGE THERMOSTAT CONDUIT AND WIRING AND MAKE ALL FINAL TERMINATIONS TO FACTORY FURNISHED CONTROL AND DISCONNECT SWITCH. COORDINATE WITH MECHANICAL CONTRACTOR.
 - (2) ONE(1) 20A, 120V, 15 CIRCUIT FROM PANEL "LP-CR" FOR CCTV CAMERA, CONNECT TO DUPLEX RECEPTACLE MOUNTED ABOVE PHARMACY CEILING.
 - (2) 200W GENERAL PURPOSE DUPLEX RECEPTACLE MOUNTED AT 10'-6" A.F.F. (AT ACCESS TO AREA ABOVE WALK-IN COOLER/FREEZER), FOR MAINTENANCE USE. VERIFY LOCATION PRIOR TO ROUGH-IN.
 - (2) EMPLOYEE ROOM EXHAUST FAN "EF-2", ROOF MOUNT WITH LOCK-OUT AT MOTOR & SWITCH ON/OFF. VIA OCCUPANCY SENSOR, SPEED CONTROL SWITCH FURNISH AND INSTALL BY MECHANICAL CONTRACTOR. FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
 - (2) FLOOR OUTLET WITH ONE(1) 20A, 120V, 15 CIRCUIT FROM PANEL LP-CR CONNECTED TO TWO(2) DUPLEX RECEPTACLES FOR DHL PRINTER AND SCALE. MOUNT RECEPTACLE BELOW CABINET.
 - (2) NOT USED.
 - (2) ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ONE (1) WEATHERPROOF JUNCTION BOX (RECESS MOUNT) WITH BLANK COVERED AND BRING CONDUIT INSIDE PHARMACY AND STUB INSIDE, BELOW DRIVE-THRU WINDOW FOR FUTURE INTERCOM GREETING STATION.
 - (2) RADON REMOVAL VENT SYSTEM FAN, ROOF MOUNTED, CONTINUOUS RUN. MAKE ALL FINAL CONNECTIONS TO CONTROL SWITCH AND FAN, COORDINATE WITH MECHANICAL CONTRACTOR.
 - (2) ONE(1) 20A, 120V, 1-PH. CIRCUIT CONNECTED TO A NEMA 5-20R RECEPTACLE MOUNTED BELOW GONDOLA BASE DECK FOR SELF-CONTAINED 3-DOOR REACH-IN COOLER.
 - (2) ONE(1) 20A, 120V CIRCUIT FROM PANEL "LP-CR" CONNECTED TO DUPLEX RECEPTACLE MOUNTED AT 9'-0" A.F.F. FOR INDOOR DOOR MONITORING.

GROUND CONDUCTOR NOTE:
 PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN EVERY CONDUIT AND RACEWAY. GROUNDING CONDUCTOR SIZE SHALL BE PER N.E.C. ARTICLE 250 TABLE 250.122 (MIN.)

SEE DETAIL 1/E4.3 FOR 1/4" SCALE PLAN

- NOTES**
1. ALL WORK SHOWN SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES, ORDINANCES, ETC.
 2. REFERENCE TO HEIGHT OF OUTLET OR RECEPTACLE SHALL BE MEASURED FROM FINISHED SALES AREA FLOOR TO CENTER OF OUTLET OR RECEPTACLE.
 3. ALL RECEPTACLES SHALL BE GROUNDING TYPE.
 4. WALK-IN COOLER/FREEZER NOTES:
 a. CONTRACTOR TO PROVIDE, DISCONNECT AT REFRIGERATION CONDENSING UNITS. INTERNAL WIRING OF CONDENSING UNITS, CONTROL WIRING TO EVAPORATOR COILS, WIRING OF DRAIN LINE HEATERS, ALL LIGHTS, WIRING OF LIGHTS AND WIRING CIRCUIT TO DOORS, AND WIRING OF PRESSURE RELIEF PORTS (ALL FINAL CONNECTIONS).
 b. FOR ADDITIONAL INFORMATION SEE COOLER/FREEZER ELECTRICAL REQUIREMENTS (SEE PANEL SCHEDULE, E3.1) AND EQUIPMENT WIRING DIAGRAMS ON DRAWING E4.5.
 5. ALL COMPRESSORS LISTED (SEE DWG.M2.2) TO BE INSTALLED BY CONTRACTOR. ALL CIRCUITS TO BE ON LOCK-ON BREAKERS. (ALL COMPRESSORS TO HAVE BUILT-IN MAGNETIC STARTERS AND DISCONNECTS).
 6. CONDUIT SIZE TO BE 1/2" MINIMUM. PVC ACCEPTABLE ONLY BELOW GROUND BEARING FLOOR SLABS WHERE SUCH USE IS ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
 7. NOT USED.
 8. TEMPERATURE CONTROL WIRING - SEE MECHANICAL SPECIFICATIONS.
 9. SEE DRAWING E1.6 FOR SPARE CONDUIT REQUIREMENTS.
 10. ALL RECEPTACLES AND SWITCHES SHALL HAVE TWO(2) REVOLUTIONS OF ELECTRICAL TAPE (SCOTCH 33) OVER ALL THE TERMINALS, TO PREVENT ACCIDENTAL CONTACT WITH THE JUNCTION BOX OR OUTLET BOX.
 11. NOT USED.
 12. ELECTRICAL CONNECTION FOR ROOF-TOP HVAC UNITS SHALL BE ROUTED UP THRU ROOF WITHIN UNIT CURB.
 13. DIMENSION IS FROM FINISHED WALL, SEE ARCHITECTURAL FOR WALL THICKNESS.
 14. CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT), RIGID STEEL (1/2" MINIMUM) OR MC CABLE WHERE ALLOWED BY CODE. WHERE CABLE IS USED, PROPER SECUREMENT AND SUPPORT (AT INTERVALS NOT EXCEEDING 6 FEET) SHALL BE FOLLOWED PER NEC ART. 330.

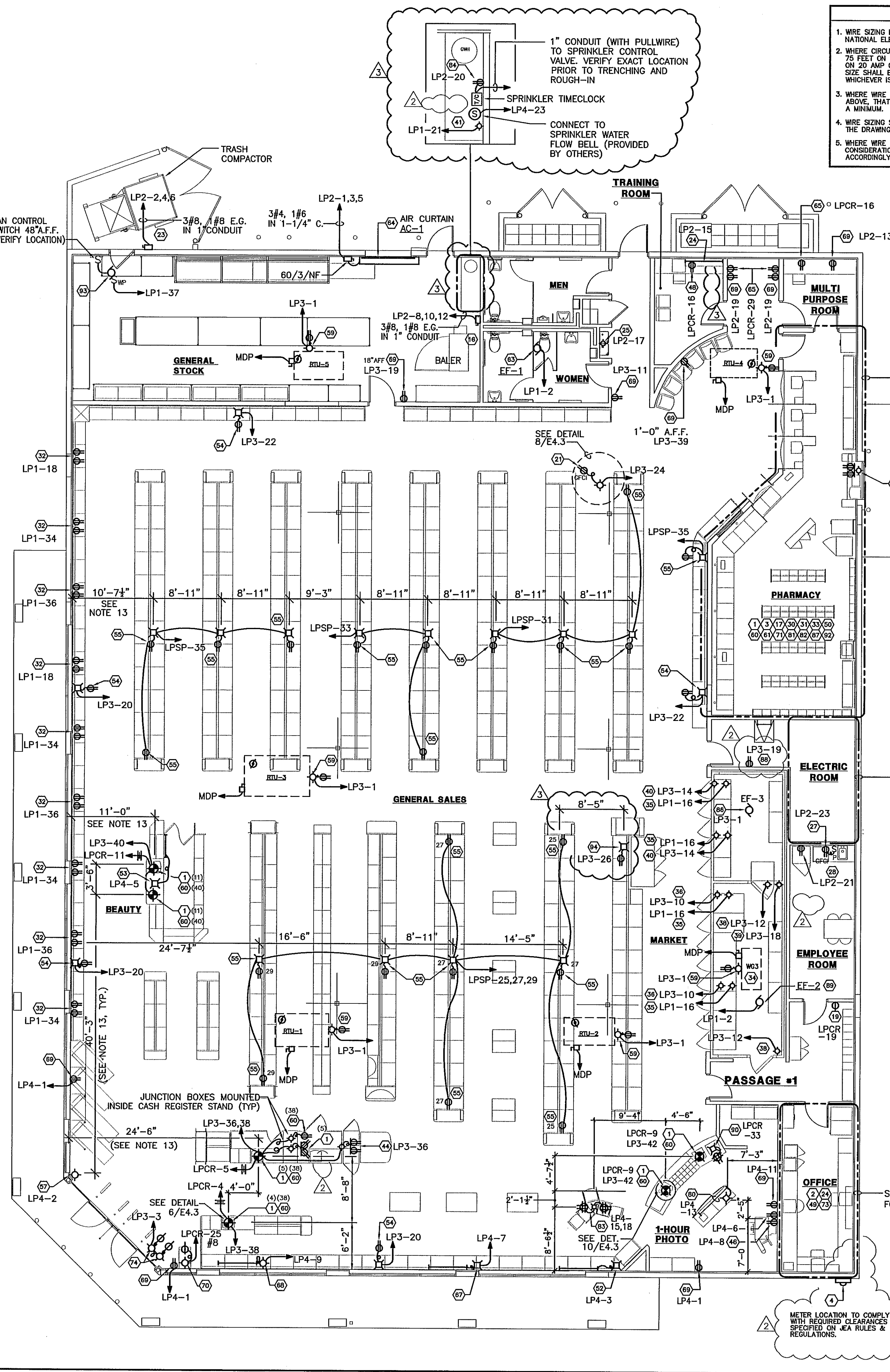
GENERATOR SLEEVE NOTE:
 PROVIDE A CONDUIT SLEEVE FOR FUTURE GENERATOR, PER DETAIL 28/A4.1.

LEGEND

- ⊕ KEY SWITCH
- ⊕ SWITCH WITH PILOT LIGHT
- S/C SOLID STATE SPEED CONTROL
- ⊕ FRACTIONAL HORSEPOWER SINGLE POLE MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION
- ⊕ OUTLET (WATTAGE AND LOCATION AS NOTED)
- ⊕ FLOOR JUNCTION BOX (WATTAGE & LOCATION AS NOTED)
- ⊕ STANDARD SINGLE RECEPTACLE
- ⊕ STANDARD DUPLEX RECEPTACLE
- ⊕ TL STANDARD SIMPLEX, TWIST-LOCK (TL), RECEPTACLE
- ⊕ TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR (TVSS) DUPLEX RECEPTACLE (SEE DETAIL 13/E4.4)
- ⊕ HOMERUN
- ⊕ MULTI-OUTLET RACEWAY ASSEMBLY (PLUGMOLD OR PLUGTRAK)
- ⊕ MOTOR (SEE MECHANICAL PLAN AND SCHEDULE FOR SPECIFICATION)
- ⊕ UNFUSED SAFETY DISCONNECT SWITCH
- ⊕ FUSIBLE SWITCH
- ⊕ FINAL CONNECTION TO EQUIPMENT
- ⊕ S SENSOR FOR THERMOSTAT (SEE DRAWING M1.1)
- ⊕ T THERMOSTAT, 5'-0" A.F.F. MAX. (SEE DRAWING M1.1)
- ⊕ P PHOTO CONTROL
- ⊕ M METER SOCKET
- ⊕ G GROUNDING ELECTRODE (SEE DETAIL 5/E2.1)
- ⊕ S SUPPLEMENTAL GROUND ROD (SEE DETAIL 5/E2.1)
- ⊕ TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION UNIT
- ⊕ WP WEATHERPROOF

ELECTRIC RM.
 SCALE: 1/4" = 1'-0"

FLOOR PLAN POWER
 SCALE: 1/8" = 1'-0"



NO.	DATE	DESCRIPTION
2	02.05.10	REVISED PER WGS FIRST REVIEW COMMENTS
3	04.05.10	REVISED PER WGS 2ND. REVIEW COMMENTS

NO.	DATE	DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA AS SIGNIFIED BY MY HAND AND SEAL.

PROJECT NAME
STORE #13450
SWC OF FOURAKER & NORMANDY
JACKSONVILLE, FLORIDA

DRAWING TITLE
FLOOR PLAN - POWER

DATE: 11.30.09
 DRAWN BY: P.M.
 REVIEWED BY: S.C.

HALGRENS STORE NO. 13450
 SCALE: AS SHOWN
 RELEASED TO CONSTRUCTION

DRAWING NO.
E12
 FWH PROJECT NO. 0413