

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

- LEGEND**
- ☒ SUPPLY AIR
 - ☒ RETURN AIR
 - TEE - TURNING VANES AND ADJUSTABLE SPLITTER DAMPER
 - ELBOW - TURNING VANES
 - MANUAL DAMPER
 - GAS
- ① THERMOSTAT (MOUNT 5'-0" A.F.F.)
SEE CONTROL DIAGRAM, DRAWING M2.2
- ② SENSOR FOR ROOMWELL THERMOSTAT; SEE CONTROL DIAGRAM, TRV; M2.2; (MOUNT 6'-0" UP)
- AHU AIR HANDLING UNIT
CFM CUBIC FEET PER MINUTE
COND CONDENSING UNIT
EF EXHAUST FAN
EH ENTRANCE HEATER
EWH ELECTRIC WALL HEATER
SAB SUPPLY AIR SHALL (SEE DETAIL 2/M2.1); CFM AND SIZE AS NOTED.
SAC SUPPLY AIR SHALL (SEE DETAIL 2/M2.1); CFM AND SIZE AS NOTED.
SFC SUPPLY FAN
RTU RETURN AIR UNIT (SEE DETAIL 3/M2.1); CFM AND SIZE AS NOTED.
TAG TRANSFER AIR GRILLE (SEE DETAIL 3/M2.1); SIZE AS NOTED.
RHU ROOF TOP UNIT
LH UNIT HEATER
NK DIFFUSER NECK SIZE

- NOTES**
- 1 - ALL WORK SHOWN SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES, ORDINANCES, ETC.
 - 2 - SEE ALL OTHER DRAWINGS AND WALGREENS SPECIFICATIONS FOR ADDITIONAL WORK OR CLARIFICATION OF NECESSARY WORK.
 - 3 - ALL FRESH AIR INTAKES ON ROOF SHALL BE LOCATED A MINIMUM OF 20' FROM ANY EXHAUST CHIMNEY, DOWNSPOUT, PLUMBING OR MECHANICAL EQUIPMENT.
 - 4 - HVAC ROOF-TOP UNIT TO INCLUDE FLEXIBLE DUCT CONNECTIONS, TURNING VANES, AND RETURN SOLATORS AS REFERENCED ABOVE AND MUST BE SIZED FOR A MINIMUM OF 100% OUTSIDE AIR FOR ECONOMIZER SYSTEMS.
 - 5 - EACH HVAC UNIT TO HAVE ITS OWN CONTROLS. SEE DRAWING M2.2 FOR HVAC CONTROL WIRING DETAILS.
 - 6 - CONDENSATE FROM ROOF-TOP UNITS SHALL BE RUN ONTO SPLASH BLOCK PROVIDED BY ROOFING CONTRACTOR. SEE DETAIL 2/F2.1
 - 7 - HVAC UNITS MUST BE INSTALLED LEVEL ON ROOF.
 - 8 - THERMOSTAT SENSING POINTS TO BE INSTALLED ON NON-ROOF PIPE COLUMNS.
 - 9 - DO NOT INSTALL SUPPLY AIR DIFFUSERS IN CEILING PANEL ADJACENT TO ROW OF LIGHT FIXTURES. COORDINATE DIFFUSERS WITH REFLECTED CEILING PLAN ON DRAWING A1.2.
 - 10 - FLEXIBLE DUCT LENGTH NOT TO EXCEED A MAXIMUM OF 7'-0".
 - 11 - SUPPLY AND/OR RETURN AIR CEILING FLEXINGS WILL NOT BE ACCEPTED.
 - 12 - DO NOT INSTALL UNIT HEATER ABOVE STOCK ROOM SHELVING.
 - 13 - ALL NON-AIR CONDITIONING COMPRESSORS LISTED WITH REFRIGERANT SUPPLY SHALL BE FURNISHED BY WALGREENS. ALL ELECTRICAL WORK, SEE DRAWING M2.1 FOR ELECTRICAL CONTRACTOR. DRAWING P1.1 INCLUDING ROOF SUPPORTS SHALL BE FURNISHED BY CONTRACTOR.
 - 14 - ALL DUCTWORK TO BE GALVANIZED SHEET METAL 1/2" EXTERNAL INSULATION. LINED DUCTWORK WILL NOT BE ACCEPTED.
 - 15 - ALL HVAC SUPPLY AND RETURN AIR DUCTS SHALL HAVE 1/2" EXTERNAL INSULATION OR MORE IF CODE REQUIRES.
 - 16 - ALL HVAC SYSTEMS TO BE BALANCED BY AN INDEPENDENT CERTIFIED AIR BALANCE CONTRACTOR WITH A MINIMUM OF 5 YEARS EXPERIENCE.
 - 17 - GAS PIPING SHALL BE RUN ABOVE CEILING (OUT THRU ROOF WITHIN UNIT CURB). PROVIDE SHUT-OFF VALVE AT EACH PIECE OF EQUIPMENT. SHUT-OFF VALVE FOR ROOF MOUNTED EQUIPMENT SHALL BE ABOVE ROOF.
 - 18 - GAS PIPE SIZES ARE BASED ON LOW PRESSURE AT METER. WHERE HIGHER PRESSURE IS AVAILABLE, PERMISSIBLE TO INSTALL PIPE IN ACCORDANCE WITH NPSA 24 AND LOCAL CODES.
 - 19 - FOR MINIMUM OUTSIDE AIR QUANTITIES FOR RTUS REFER TO SCHEDULE ON SHEET M2.1.
 - 20 - UNIT NAME, DETAILERS AND CONTRACTOR TO SHOW ROOM MECHANICAL EQUIPMENT PROVIDED BY ELECTRICAL CONTRACTOR. SEE SHEET E1.6.

- MECHANICAL KEYED NOTES**
- ① HVAC ROOF TOP UNIT. SEE GENERAL NOTES (ABOVE) AND SCHEDULE ON DRAWING M2.1 FOR ADDITIONAL INFORMATION.
 - ② SAB, 24"x24" MODULE SIZE, CFM AND NECK SIZE AS NOTED. SEE DETAIL 1/M2.1.
 - ③ SAC, 12"x12" MODULE SIZE, MOUNT AT C/P, BOARD CEILING, CFM AND NECK SIZE AS NOTED. DETAIL 1/M2.1 SIMILAR. FURNISH WITH FRAME TYPE SUITABLE FOR SURFACE CEILING MOUNTING.
 - ④ SAC, THERMALLY POWERED VARIABLE AIR VOLUME (FAV) DIFFUSER. ACQUINER TRIFLOW-TECHER HE OR WHOLESER WHOLESEVER APP SERIES. CFM AND SIZE AS NOTED.
 - ⑤ SAC, CFM AND SIZE AS NOTED. SEE DETAIL 2/M2.1.
 - ⑥ RAG OR TAG, SIZE AS NOTED. SEE DETAIL 3/M2.1.
 - ⑦ ROOF TOP HVAC UNIT WITH C.A.D. - CONDENSING AIR DIFFUSER WITH PLENUM SHALL BE MICRO METS, 101.1 SERIES OR APPROVED EQUAL. MOUNT WITH TOP OF PLENUM AT UNDERSIDE OF GRS JOISTS.
 - ⑧ GAS SERVICE AIR METER BY LOCAL GAS COMPANY.
 - ⑨ ROOF TOP ENCLOSED BLOWER/ENTRANCE HEATER. INCLUDE VIBRATION ISOLATORS AND FLEXIBLE DUCT CONNECTIONS. TAKE RETURN AIR WITH SENSOR AT ENTRANCE AND THERMOSTAT IN OFFICE.
 - ⑩ UNDER CUT DOOR FOR AIR TRANSFER.
 - ⑪ GAS FIRED, POWER VENTED UNIT HEATER (SEE SCHEDULE DWG. M2.1). BOTTOM 12"-24" THERMOSTAT MOUNTED ON UNIT HEATER CURB (SET AT 80°F). PROVIDE 4" FLUE TO ROOF WITH WEATHER CAP.
 - ⑫ ROOF TOP CONDENSING UNIT FOR WALK-IN COOLER/FREEZER.
 - ⑬ PIPE PORTAL FOR WALK-IN COOLER/FREEZER CONDENSING UNIT REFRIGERANT AND ELECTRICAL LINES. SEE DETAIL 6/M2.1.
 - ⑭ PROVIDE SOLID STATE CONTROLLER FOR EXHAUST FAN.
 - ⑮ ELECTRIC WALL HEATER (EWH) FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE DRAWING E1.2 FOR FURTHER INFORMATION.
 - ⑯ ROOF VENTILATOR, GREENECK OPS 16, WITH GPS SERIES CURB, OR ACCEPTABLE EQUAL. SEE DETAIL 4/M2.1.
 - ⑰ FIGURE 1 - PRIOR TO INSTALLATION OF CEILING, FF-5 SHALL BE MOUNTED ON BRG JOISTS APPROXIMATELY 2 FEET ABOVE INTENDED FINISHED CEILING.
 - ⑱ FIGURE 2 - AT THE TIME OF CEILING INSTALLATION THE CEILING MOUNTED FANOUT GRILLE AND FLEXIBLE DUCT 12" DIA. DUCT 12'-0" DIA. ROOF TOP CONDENSING GRILLE TO FF-5 SHALL BE INSTALLED.

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:

- WALGREENS' CONSULTANT
- LANDLORD'S CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:

- WALGREENS' CONTRACTOR
- LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

STORE	BUILDING
NEW..... <input checked="" type="checkbox"/>	NEW..... <input checked="" type="checkbox"/>
REMODELING..... <input type="checkbox"/>	EXISTING..... <input type="checkbox"/>
RELOCATION..... <input type="checkbox"/>	NEW SHELL ONLY <input type="checkbox"/>
OTHER..... <input type="checkbox"/>	

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NO.	DATE	BY	DESCRIPTION	CONST.
1	4/10/98	MLM	CITY COMMENTS	
2	4/10/98	MLM	WALGREENS COMMENTS	

NO.	DATE	BY	DESCRIPTION	CONST.
			REVISIONS	

CERTIFICATION AND SEAL

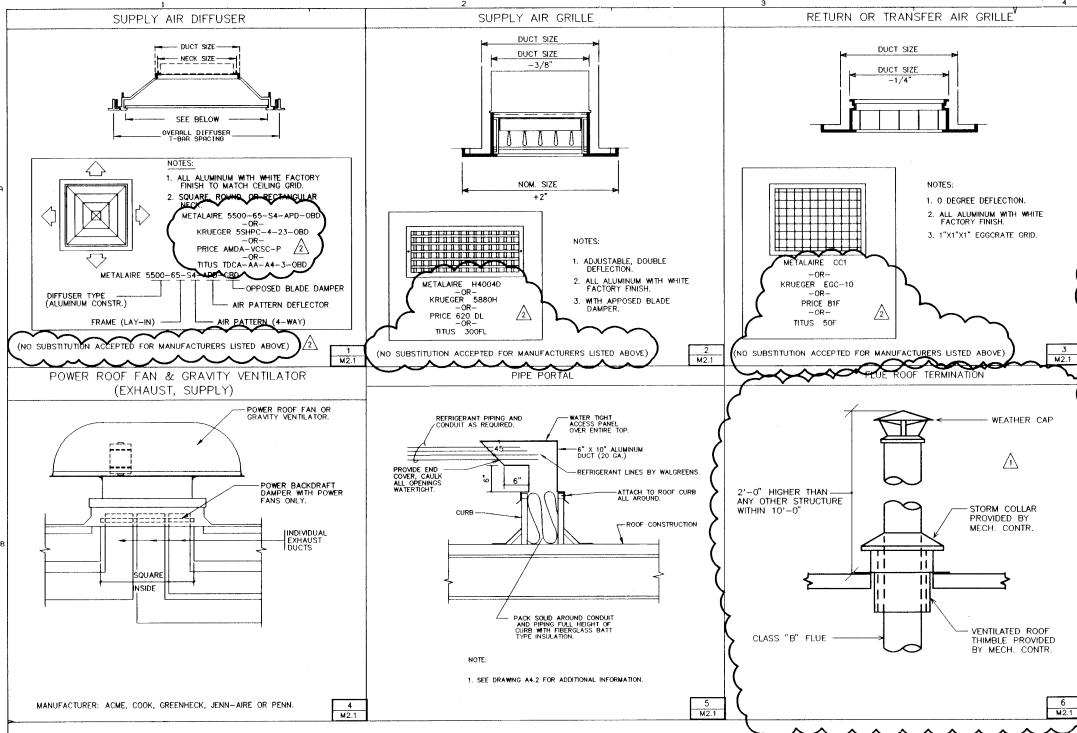
I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF NORTH CAROLINA AS SIGNIFIED BY MY HAND AND SEAL.



PROJECT NAME
Walgreens
W.T. HARRIS AND ALBEMARLE
CHARLOTTE, NC

DRAWING TITLE
HVAC PLAN

DATE: 1/22/98	STORE NO. 017-04548	DRAWING NO.
DRAWN BY: MALKOVICH	SCALE: AS NOTED	M1.1
CHECKED BY: KRANN	RELEASED TO CONSTRUCTION: 8/9/1998	OF 10 DWGS.



UNIT HEATER SCHEDULE

UNIT	AREA SERVED	BTU/HR INPUT	CFM	MOTOR		RPM	TYPE	MAKE AND MODEL
				HP.	VOLTS PHASE			
UH-1	STOCKROOM	50,000	650	1/35	120/1	1550	PROPELLER FAN UNIT HEATER	REZTOR FE-50
EH-1	ENTRANCE	175,000/87,500	1600	1/2	120/1	680	ROOF MOUNTED POWER VENTED FURNACE	REZTOR RPB 175 W/2 STAGE GAS VALVE

FAN SCHEDULE

UNIT	AREA SERVED	CFM	SP.	MOTOR		RPM	TYPE	MAKE AND MODEL	REMARKS
				WATTS	VOLTS PHASE				
EF-1	OFFICE	300	375'	121	120/1	1000	CEILING FAN	GREENHECK SP-250	SOLID STATE SPEED CONTROLLER, BACKDRAFT DAMPER, ALUMINUM GRILLE
EF-2	EMPLOYEE ROOM	300	375'	121	120/1	1000	CEILING FAN	GREENHECK SP-250	SOLID STATE SPEED CONTROLLER, BACKDRAFT DAMPER, ALUMINUM GRILLE
EF-3	TOILET (MEN)	250	250	120	120/1	1050	CEILING FAN	GREENHECK SP-226	BACKDRAFT DAMPER, ALUMINUM GRILLE
EF-4	TOILET (WOMEN)	250	250	120	120/1	1050	CEILING FAN	GREENHECK SP-226	BACKDRAFT DAMPER, ALUMINUM GRILLE
EF-5	PHOTO LAB	750	250	285	120/1	950	IN-LINE FAN	GREENHECK CSP-260	BACKDRAFT DAMPER

HEATING/COOLING ROOF TOP UNIT SCHEDULE

NOTE: AT 95 DEG CONDENSER ENTRANCE AIR TEMPERATURE & AIR CONDITIONS.

UNIT	AREA SERVED	FUSE SIZE MCA	ELECT. REQ. 480 VOLTS 3 PHASE	MOTOR HP	ELECT. REQ. VOLTS PHASE	COMPRESSOR RLA	ELECT. REQ. VOLTS PHASE	TOTAL COOLING CAPACITY	AIR COOLED CONDENSER		GAS FIRED FURNACE		MIN. CFM	MAKE/MODEL/WEIGHT/FILTERS
									FL	HP	INFL	OUTPUT		
RTU-1	GENERAL SALES/PHOTO LAB/OFFICE	30 AMPS	3300	4.8	480 3	(2) 9.0	480 3	121.93	(2) 0.7	480 3	180	141.7	875	CARRIER/48HJ002/1240 (4) 20X20X2
RTU-2	GENERAL SALES	30 AMPS	3500	4.8	480 3	(2) 9.0	480 3	121.52	(2) 0.7	480 3	180	141.7	835	CARRIER/48HJ002/1240 (4) 20X20X2
RTU-3	GENERAL SALES/EMPLOYEE LOUNGE	25 AMPS	2800	2.6	480 3	6.4	480 3	94.40	(2) 0.6	480 3	125	98.4	825	CARRIER/48HJ008/1057 (4) 16X20X2
RTU-4	GENERAL SALES	20 AMPS	1800	2.6	480 3	9.6	480 3	76.65	0.6	480 3	72	56.7	695	CARRIER/48HJ007/772 (2) 16X25X2
RTU-5	PHARMACY	20 AMPS	1800	2.6	480 3	9.0	480 3	60.80	0.8	480 3	72	56.7	400	CARRIER/48HJ006/717 (2) 16X25X2
RTU-6	GENERAL STOCK/RECEIVING	15 AMPS	1200	2.2	480 3	7.4	480 3	47.54	0.4	480 3	72	56.7	215	CARRIER/48HJ005/697 (2) 16X25X2

THE EQUIPMENT MANUFACTURER AND DATA SCHEDULED SHALL BE CONSIDERED THE BASE DESIGN CHANGES TO OTHER CRITERIA ACCEPTABLE. MANUFACTURERS MAY BE DONE ONLY IF ALL ITEMS SUCH AS (BUT NOT LIMITED TO) SPACE, HEIGHT, SERVICE, ELECTRICAL AND ALL OTHER TRADE REQUIREMENTS CAN BE SATISFIED. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND WORK PERFORMANCE OF ALL TRADES.
 SET RTU 1,2,3 & 4 AT 15% OUTDOOR AIR OR 0.3 CFM/SQ.FT. FLOOR AREA, WHICHEVER IS GREATER.
 SET RTU 5 AT 10% OUTDOOR AIR OR 0.3 CFM/SQ.FT. FLOOR AREA, WHICHEVER IS GREATER.
 SET RTU 6 AT 10% OUTDOOR AIR OR 0.15 CFM/SQ.FT. FLOOR AREA, WHICHEVER IS GREATER.

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
 METHOD OF COMPLIANCE: Prescriptive Energy Cost Budget
 Thermal Zone 5
 Exterior design conditions: winter dry bulb 18°F, summer dry bulb 93°F
 Interior design conditions: winter dry bulb 72°F, summer dry bulb 78°F, relative humidity 50% Summer
 Building heating load 366.06
 Building cooling load 438.64
 Mechanical Spacing Conditioning System Utility
 description of unit: Single Package Air Conditioner, Air Cooled, Electrically Operated
 RTU-1 RTU-2 RTU-3 RTU-4 RTU-5 RTU-6
 heating efficiency 82% 82% 82% 81% 81%
 cooling efficiency 11.0 EER 11.0 EER 11.0 EER 11.0 EER 13.0 SEER 13.0 SEER
 heat output of unit 141,700 BTUH 141,700 BTUH 98,400 BTUH 56,700 BTUH 56,700 BTUH 56,700 BTUH
 cooling output of unit 121,930 BTUH 121,520 BTUH 94,400 BTUH 76,650 BTUH 60,800 BTUH 47,540 BTUH
 boiler: total boiler output, if oversized, state reason. Not Applicable
 chiller: total chiller capacity, if oversized, state reason. Not Applicable
 List equipment efficiencies: Warm Air Furnace, Gas Fired: 80% E_t
 Warm Air Unit Heater, Gas Fired: 80% E_t
 Electric 30 Gallon Storage Domestic Water Heater: 90 Energy Factor
 Equipment schedules with motors (mechanical systems) Not Applicable
 motor horsepower, number of phases, minimum efficiency, motor type, # of poles

ROOF TOP HVAC UNITS (TONNAGE/EFFICIENCY RATING)

(MANUFACTURER SHALL BE CARRIER OR TRANE, ONLY THE EXACT TRADE OR SIGNATURE NAME AND THE LISTED (MINIMUM ALLOWABLE) EFFICIENCY UNITS AVAILABLE FROM EACH OF THESE MANUFACTURES WILL BE ACCEPTABLE)

MANUFACTURER	2.5 / SEER	3 / SEER	4 / SEER	5 / SEER	6 / EER	7.5 / EER	8.5 / EER
CARRIER	030 13.0	HJ004 13.0	HJ005 13.0	HJ006 13.0	HJ007 11.0	HJ008 11.0	HJ009 10.8

ROOF TOP HVAC UNITS (TONNAGE/EFFICIENCY RATING)

(MANUFACTURER SHALL BE CARRIER OR TRANE, ONLY THE EXACT TRADE OR SIGNATURE NAME AND THE LISTED (MINIMUM ALLOWABLE) EFFICIENCY UNITS AVAILABLE FROM EACH OF THESE MANUFACTURES WILL BE ACCEPTABLE)

MANUFACTURER	10 / EER	12.5 / EER	15 / EER	20 / EER
CARRIER	HJ012 11.0	HJ014 9.9	HJ017 10.5	HJ025 9.3

NATIONAL ACCOUNTS

1. HVAC UNITS
 A. TRANE EQUIPMENT WILL BE UTILIZED FOR ALL STATES WEST OF THE MISSISSIPPI RIVER AND ILLINOIS, MASSACHUSETTS, NEW YORK, RHODE ISLAND AND CONNECTICUT, MAINE, NEW HAMPSHIRE AND VERMONT. CARRIER EQUIPMENT WILL BE UTILIZED FOR ALL STATES EAST OF THE MISSISSIPPI EXCLUDING ILLINOIS, MASSACHUSETTS, NEW YORK, RHODE ISLAND, CONNECTICUT, MAINE, NEW HAMPSHIRE AND VERMONT.
 1. FOR TRANE EQUIPMENT, CALL ANNA SPEAR HANAS @ (800)453-6954 TO COORDINATE YOUR PURCHASE ORDER AGREEMENT AND EQUIPMENT DELIVERY.
 2. FOR CARRIER EQUIPMENT, CALL DEBORAH ROY JONES @ (315)432-7941 TO COORDINATE YOUR PURCHASE ORDER AGREEMENT AND EQUIPMENT DELIVERY.

PORTFOLIO DESIGN SERVICES
 235 E. KOSELAHN SUITE #15
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PROJECT TYPE

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

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS' CONTRACTOR
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

STORE	BUILDING
NEW..... <input checked="" type="checkbox"/>	NEW..... <input checked="" type="checkbox"/>
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RELOCATION..... <input type="checkbox"/>	NEW SHELL ONLY <input type="checkbox"/>
OTHER..... <input type="checkbox"/>	

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4/10/98 MLM CITY COMMENTS
 4/10/98 MLM WALGREENS COMMENTS

NO.	DATE	BY	DESCRIPTION	CONST.

REVISIONS

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS 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 NORTH CAROLINA AS SIGNED BY MY HAND AND SEAL.

NORTH CAROLINA SEAL
 REGISTERED ARCHITECT
 DATE: 11/11/98
 NAME: HOLLAND

PROJECT NAME
Walgreens
 W.T. HARRIS AND ALBEMARLE
 CHARLOTTE, NC

DRAWING TITLE
 MECHANICAL SCHEDULES & DETAILS

DATE: 1/22/98 STORE NO. 017-04548 DRAWING NO. M2.1

DRAWN BY: MALKOVICH SCALE: AS NOTED

CHECKED BY: KRANN RELEASED TO CONSTRUCTION BY: 3/31/98 OF 100 DWGS.

SECTION 168
ELECTRICAL WORK

- GENERAL INSTRUCTIONS: SECTION 6A, ELECTRICAL GENERAL CONDITIONS, SHALL BE CONSIDERED A PART OF THESE SPECIFICATIONS.
- CODES, ORDINANCES AND PERMITS: ALL PERMITS, LICENSES, STAMPING, APPROVALS AND OTHER ARRANGEMENTS FOR WORK SHALL BE OBTAINED BY THE ELECTRICAL CONTRACTOR. ALL EXPENSES SHALL BE INCLUDED IN THE BASE BID. THE ELECTRICAL WORK SHALL BE EXECUTED IN STRICT ACCORDANCE TO THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (N.E.M.A.), NATIONAL BOARD OF STANDARDS (N.B.S.), NATIONAL FIRE PROTECTION ASSOCIATION (N.F.P.A.), UNDERWRITERS LABORATORY (U.L.), ALL ELECTRICAL ORDINANCES OF THE STATE AND ALL OTHER APPLICABLE TO ALL CODES AND ARE OF THE MINIMUM REQUIREMENTS; ANY CONFLICT BETWEEN LOCALS, NATIONAL COMPANY, COUNTY, ETC. SHALL BE BROUGHT TO THE ATTENTION OF WALGREEN CO. BY THIS CONTRACTOR AT THE TIME THE BIDS ARE SUBMITTED.
- SCOPE OF WORK: THE WORK COVERED BY THIS SPECIFICATION SHALL INCLUDE FURNISHING ALL LABOR, MATERIAL, EQUIPMENT AND SERVICES TO CONSTRUCT AND INSTALL THE COMPLETE ELECTRICAL SYSTEM SHOWN ON THE ACCOMPANYING PLANS AND AS SPECIFIED HEREIN. THIS WORK SHALL INCLUDE:
 - SERVICE ENTRANCE EQUIPMENT TO BE COPPER, INCLUDING MAIN DISTRIBUTION EQUIPMENT, METERING, SECONDARY DISTRIBUTION EQUIPMENT, AND FEEDERS, ALUMINUM GEAR, WIRING, ETC., IS NOT APPROVED.
 - COMPLETE COPPER DISTRIBUTION SYSTEM FOR LIGHTING INCLUDING THE NECESSARY FEEDERS, DISTRIBUTION PANELBOARDS, BRANCH CIRCUITS, LIGHTING FIXTURES, CONTROL SWITCHES, AND RECEPTABLES.
 - COMPLETE COPPER DISTRIBUTION SYSTEM FOR POWER INCLUDING THE NECESSARY TRANSFORMERS, FEEDERS, DISTRIBUTION PANELBOARDS, AND DISCONNECT SWITCHES.
 - RAISEWAYS FOR THE SOUND SYSTEM AS REQUIRED.
 - RECEIVING, HANDLING, SETTING, AND CONNECTING MOTORS AND CONTROLS.
 - OUTDOOR LIGHTING - BUILDING AND PARKING AREAS. PROVIDE 5 MAINTAINED AVERAGE FOOT CANDLE LEVEL WITH AN AVERAGE TO MINIMUM UNIFORMITY RATIO OF 3:1.
 - FURNISH AND INSTALL A COMPLETE EMERGENCY LIGHTING AND/OR EXIT LIGHTING SYSTEM IF REQUIRED BY LOCAL CODES.
 - FURNISH AND INSTALL ALL CONDUIT AND WIRING FOR TEMPERATURE CONTROL SYSTEM. WIRING TO BE COPPER.
 - WORK NOT INCLUDED: CERTAIN LIGHTING FIXTURES AND EQUIPMENT SPECIFIED ON THE DRAWINGS WILL BE PROVIDED AND/OR INSTALLED BY OTHERS. PARTIES RESPONSIBLE FOR THE WORK OR PORTIONS OF THIS WORK, SHALL BE AS SHOWN AND DESCRIBED ON THE DRAWINGS.
- TEMPORARY LIGHT AND POWER: ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL REQUIRED TO PROVIDE TEMPORARY LIGHT AND POWER. THE GENERAL CONTRACTOR SHALL PAY ALL CHARGES FOR ELECTRIC CURRENT USED FOR TEMPORARY LIGHTING AND POWER.
- ELECTRICAL SERVICE: ELECTRICAL SERVICE AND METERS SHALL BE INSTALLED AS SHOWN ON PLANS AND SHALL CONFORM TO THE REQUIREMENTS OF SERVING UTILITY AGENCIES. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND CONFLICT BETWEEN DRAWINGS AND UTILITY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF WALGREEN CO.
- SWITCHBOARDS:
 - SWITCHBOARDS SHALL BE MANUFACTURED BY CUTLER-HAMMER, GENERAL ELECTRIC CO., I-T-E, SQUARE D CO. OR WESTINGHOUSE (CHALLENGER). PROVIDE SWITCHES SIZED AT 900 VOLTS, WHICH ARE FUSIBLE TYPE, HORIZONTAL, QUICK-BREAK, QUIET-BREAK (UL-87), AND DESIGNED FOR USE WITH CURRENT LIMITING FUSES OF 100,000 AMPERE FAULT CURRENT CAPACITY OR PER CODES BUT IN NO CASE SHALL BE LESS THAN 50,000 AMPERES SYMMETRICAL. ALL FUSIBLE SWITCHES SHALL HAVE THE AMPERAGE RATING LISTED ON THE EXTERIOR DOOR OF THE SWITCH. BUS IN ALL SWITCHBOARDS SHALL BE COPPER.
 - SWITCHBOARDS SHALL BE ENCLOSED IN CABINETS WITH PROPER GROUND SUPPORTS AND HINGED DOORS. PROVIDE A LAMINATED BACKLIT NAMEPLATE ON THE FRONT OF EACH PANEL AND ONE AT EACH BRANCH CIRCUIT PANEL.
- PANELBOARDS:
 - ALL PANELBOARDS SHALL BE MANUFACTURED BY CUTLER-HAMMER, GENERAL ELECTRIC CO., I-T-E, SQUARE D CO., OR WESTINGHOUSE (CHALLENGER).
 - POWER AND LIGHTING PANELBOARDS SHALL BE ASSEMBLED COMPLETE WITH BOLTED-IN CIRCUIT BREAKERS AND SPACES. BREAKERS SHALL BE RATED FOR SERVICE VOLTAGE AS APPLICABLE AND SHALL BE EQUIPPED WITH BOTH THERMAL AND MAGNETIC TRIP ELEMENTS. CIRCUIT BREAKERS SHALL HAVE INTERRUPTING CAPACITY FOR AVAILABLE SHORT CIRCUIT PER CODES BUT IN NO CASE SHALL BE LESS THAN 10,000 AMPERES SYMMETRICAL FOR 120/240 OR 208/120 VOLT SYSTEMS, FOR 480/277 VOLT SYSTEMS, INTERRUPTING CAPACITY SHALL BE 14,000 AMPERES SYMMETRICAL. BUS IN ALL PANELBOARDS SHALL BE COPPER.
 - POWER PANELBOARDS SHALL BE CIRCUIT BREAKER TYPE SIMILAR AND EQUAL TO GENERAL ELECTRIC CO. TYPE CO.
 - LIGHTING PANELBOARDS SHALL BE CIRCUIT BREAKER TYPE WITH THERMO/MAGNETIC TRIP QUICK-MAKE/QUICK-BREAK AND TRIP-FREE HANDLES. FOR CIRCUITS THAT ARE NOT TO BE TURNED OFF, USE HANDLE LOCK OFF. BREAKERS FOR OTHER 120/240 OR 208/120 VOLT PANELS SHALL BE SIMILAR TO GENERAL ELECTRIC CO. BOLTED-IN TYPE TRIP AS FURNISHED BY 707 LIGHTING PANELS. BREAKERS FOR 277/480 VOLT PANELS SHALL BE SIMILAR TO GENERAL ELECTRIC CO. TYPE "TEV" AS FURNISHED IN "AT" LIGHTING PANELS. PANELS TO HAVE A MINIMUM OF 208 SPACE CIRCUIT BREAKERS.
- SWITCHES - DISCONNECT AND SAFETY: THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL FUSIBLE AND/OR NON-FUSIBLE SAFETY SWITCHES WHERE INDICATED ON THE PLANS OR REQUIRED BY CODE. SWITCHES SHALL BE OF THE POSITIVE-ACTION, QUICK-MAKE/QUICK-BREAK TYPE WITH INTERRUPTING CAPACITY COVERING OPENING DOOR WHEN THE EXTERNAL OPERATING HANDLE IS IN THE "ON" POSITION. SWITCHES OUTSIDE THE BUILDING SHALL BE NEMA TYPE 3R RAINPROOF ENCLOSURES.
- CONDUIT: UNLESS OTHERWISE NOTED, CONDUIT SHALL BE EITHER ELECTRICAL METALLIC TUBING (EMT) OR RIGID STEEL. ALL APPROPRIATE REQUIREMENTS FOR RACEWAYS OF THE AUTHORITY HAVING JURISDICTION MUST BE MET. EMT TO BE USED ABOVE GRADE, WHERE PERMITTED BY CODE, EXCEPT FOR SERVICE AND IN MOST AREAS. EMT SHALL BE PROTECTED FROM CORROSION BY ELECTRO-GALVANIZING, HOT-DIPPED GALVANIZING OR AN APPROPRIATE PLATING. RIGID STEEL CONDUIT SHALL BE USED WHERE SUBJECT TO DAMAGE OR IN MOST OR OUTDOOR AREAS EXCEPT WHERE ANOTHER TYPE OF RACEWAY IS SPECIFIED. RIGID STEEL CONDUIT SHALL BE FLEXIBLE, COUPLED, AND SHALL BE HOT-DIPPED GALVANIZED. ALL CONDUIT JOINTS SHALL BE CUT SQUARE, THREADED, AND GASKETED. GASKETS AND WASHERS MUST BE USED. CONDUIT SHALL BE MADE WITH STANDARD CONDUIT ELBS. FIELD BENDS MADE WITH AN APPROVED BENDER OR READY-TO-HAND-FITTING. NUMBER OF BENDS PER RUN SHALL CONFORM TO NATIONAL ELECTRICAL CODE LIMITATIONS. SCHEDULE 40 PVC SHALL ONLY BE USED IN OR BELOW GROUND BEARING FLOOR SLABS IN STRAIGHT RUNS. CONDUIT BENDS SHALL BE PVC COATED RIGID STEEL CONDUIT. TRANSITION TO RIGID STEEL CONDUIT PRIOR TO EXITING THE FLOOR SLAB. CONNECTIONS TO VIBRATING OR MOTORIZED EQUIPMENT SHALL BE MADE WITH HOT-DIPPED FLEXIBLE CONDUIT. IN AREAS WHERE SUCH CONNECTIONS WILL BE EXPOSED TO OIL, GREASE, WATER OR WEATHER, FLEXIBLE LIQUID TIGHT CONDUIT SHALL BE USED. CONDUIT SHALL BE SIZED AS INDICATED ON THE PLANS, OR REQUIRED BY THE NATIONAL ELECTRICAL CODE FOR NUMBER AND SIZE OF CONDUCTORS INSTALLED. MINIMUM CONDUIT SIZE SHALL BE 3/4" CONDUIT SHALL BE INSTALLED CONCEALED WHEREVER POSSIBLE, EXCEPT AS OTHERWISE INDICATED. INSTALL THE CONDUIT EXPOSED IN STOCK AREAS, BALKY ROOMS, OR SIMILAR SPACES. CONDUIT SHALL BE SEPARATED BY AT LEAST THREE (3) INCHES FROM PARALLEL RUNS OF STEAM OR HOT WATER PIPING. CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET, FROM OUTLETS TO CABINETS, PULL OR JUNCTION BOXES AND SHALL BE SECURED TO ALL BOXES WITH LOCKWATS AND BUSHINGS. INSULATING TYPED IN SUCH A MANNER THAT EACH SYSTEM SHALL BE ELECTRICALLY CONTINUOUS THROUGHOUT. CONDUIT ENDS SHALL BE CAPPED TO PREVENT ENTRANCE OF FOREIGN MATERIALS DURING CONSTRUCTION. CONDUITS SHALL BE SECURED AND PROPERLY SUPPORTED.
- BOXES: ALL OUTLET BOXES SHALL BE STANDARD GALVANIZED STEEL TYPE. FURNISH AND INSTALL PULL BOXES AND JUNCTION BOXES WHERE NECESSARY IN THE RACEWAY SYSTEM TO FACILITATE CONDUITOR INSTALLATION.
- CONDUCTORS: ALL WIRE AND CABLE FOR FEEDER AND BRANCH CIRCUITS SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE. ALL CONDUCTORS SHALL BE SOLID BRANDED COPPER WIRE UNLESS OTHERWISE NOTED ON THE PLANS. BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE "THHN" AND/OR "THWN" INSULATED.
- RECEPTACLE CIRCUITS:
 - NO WIRE SMALLER THAN #12 SHALL BE USED FOR ANY BRANCH CIRCUIT SUPPLYING CONNENANCE OUTLETS. BRANCH CIRCUIT WIRING SHALL BE SIZED TO LIMIT THE VOLTAGE DROP TO NATIONAL ELECTRICAL CODE REQUIREMENTS. ALL WIRE TO BE COPPER.
 - RECEPTACLE CIRCUITS SHALL BE CIRCUIT BREAKER CONTROLLED AS INDICATED ON THE PLANS.
 - RECEPTACLE FOR SPECIFIC AREAS SHALL BE OF THE SIZE AND TYPE INDICATED ON THE PLANS AND SPECIFIED HEREIN.

- LIGHTING CIRCUITS: NO WIRE SMALLER THAN #12 SHALL BE USED FOR ANY LIGHTING BRANCH CIRCUIT. BRANCH CIRCUIT WIRING SHALL BE SIZED TO LIMIT THE VOLTAGE DROP TO NATIONAL ELECTRICAL CODE REQUIREMENTS.
- WIRING DEVICES: ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL WIRING DEVICES AS SHOWN ON THE DRAWINGS, AND SPECIFIED ON THE SCHEDULE SHEET. WIRING DEVICES SHALL INCLUDE ALL RECEPTABLES AND WALL SWITCHES WITH COVER PLATES. LIGHT SWITCHES SHALL BE HUBBELL OR LECO 1200 OR 1220 SERIES, H & H "A.C." SWITCHES, BRYANT, P & S OR G.E. EQUALS.
- LIGHTING FIXTURES: SEE ADDITIONAL SECTION ON RECESSED CEILING LIGHTING SECTION. FIXTURES WITH LAMPS SHALL BE FURNISHED AS NOTED ON PLANS AND DETAILS. SEE FIXTURE SCHEDULE.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS REQUIRED TO INSTALL ALL LIGHTING FIXTURES INCLUDING THOSE FURNISHED BY OTHERS IN THE MANNER INDICATED IN THE PLANS AND DETAILS.
- SIGNS:
 - EXTERIOR SIGNS SHALL BE FURNISHED AND INSTALLED BY WALGREEN CO. SIGN CONTRACTOR. WHO SHALL MAKE FINAL CONNECTIONS TO SAME. THE ELECTRICAL CONTRACTOR SHALL PROVIDE OUTLETS FROM WALGREEN CO.'S SIGN PANEL "LP-SIP" TO THE EXTERIOR FACE OF THE BUILDING OR CANOPY AS SHOWN ON THE DRAWINGS.
 - PYLON SIGNS: THIS CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL REQUIREMENTS TO THE BASE OF THE Pylon FROM WALGREEN CO. SIGN PANEL "LP-SIP" SEE PLANS FOR EXACT NUMBER OF CIRCUITS AND OTHER ELECTRICAL REQUIREMENTS.
- TESTING:
 - AFTER WIRES ARE IN PLACE AND CONNECTED TO DEVICES AND EQUIPMENT, THE SYSTEM SHALL BE TESTED FOR SHORTS AND GROUNDS, ALL HOT WIRES, IF SHORTED OR GROUNDED, SHALL BE REMOVED AND REPAIRED IF TROUBLE IS WITHIN CIRCUIT.
 - ANY WIRING DEVICE APPARATUS OR LIGHTING FIXTURE FURNISHED UNDER THIS CONTRACTOR IF GROUNDED OR SHORTED, SHALL BE REMOVED AND THE TROUBLE RECTIFIED BY REPAIRING ALL DEFECTIVE PARTS OF MATERIALS AS DIRECTED BY LOCAL CODES.
- EXIT LIGHTS AND EMERGENCY LIGHTING SYSTEM: FURNISH AND INSTALL A COMPLETE EMERGENCY LIGHTING AND/OR EXIT LIGHTING SYSTEM. SYSTEM AND PROVISIONS SHALL COMPLY WITH LOCAL REQUIREMENTS AND CODES.
- TEMPERATURE CONTROL WIRING:
 - ALL CONTROL WIRING FOR MECHANICAL EQUIPMENT, INCLUDING UNIT HEATERS, CIRCULATING PUMPS, AIR CONDITIONING EQUIPMENT, AND VENTILATION FANS, SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
 - THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL CONDUIT AND WIRING FOR THE AIR CONDITIONING TEMPERATURE CONTROL AS DIRECTED AND SUPERVISED BY THE TEMPERATURE CONTROL CONTRACTOR.
- EQUIPMENT CONNECTIONS: ALL EQUIPMENT PROVIDED UNDER THIS SECTION OF THE SPECIFICATIONS OR OTHER SECTIONS OF THESE SPECIFICATIONS REQUIRING ELECTRICAL SERVICE, INCLUDING ALL EQUIPMENT FURNISHED AND INSTALLED BY WALGREEN CO. AS INDICATED ON THE ACCOMPANYING PLANS, SHALL BE COMPLETELY WIRED AND CONNECTED UNDER THIS SECTION.
- TELEPHONE PROVISIONS: ALL PUBLIC PHONES AND STORE PHONES SHALL BE PROVIDED WITH CONDUIT FROM TELEPHONE CABINET TO TELEPHONE OUTLETS. PROVIDE 100 WATT (NONSWITCH) OUTLET AT TELEPHONE CABINET.
- STARTERS, SWITCHES, ETC.: ELECTRICAL CONTRACTOR SHALL INSTALL ALL STARTERS, SWITCHES AND ELECTRICAL EQUIPMENT FURNISHED UNDER OTHER CONTRACTS AND SHALL FURNISH AND INSTALL ALL DISCONNECT SWITCHES AND ELECTRICAL THAT ARE REQUIRED FOR COMPLETION OF THE JOB.
- CIRCUITING: THE ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY RISER DIAGRAMS, PANEL LAYOUTS, CIRCUITING AND WIRE SIZING. WALGREEN CO. TO APPROVE FINAL LAYOUTS, ETC., BEFORE ANY WORK HAS BEEN STARTED.
- SIGN PANEL: PROVIDE SIGN PANEL AS INDICATED ON DRAWINGS TO CONTROL OUTSIDE LIGHTING AND SIGNS, COMPLETED WITH A TIMER (24-HOUR), PHOTOCELL AND MANUAL OVERRIDE SWITCH FOR THIS PANEL.
- NON-SWITCH CIRCUITS: PROVIDE LOCK-ONS FOR ALL NON-SWITCH CIRCUITS AS INDICATED ON PLANS.
- LABELLING: ALL CIRCUITS SHALL BE LABELLED. A TYPED CIRCUIT DIRECTORY SHALL BE SECURELY MOUNTED ON THE INSIDE OF ELECTRICAL PANEL BOX DOORS.

SECTION 16C
RECESSED LIGHTING

- GENERAL INSTRUCTIONS: SECTION 16A, ELECTRICAL GENERAL CONDITIONS, SHALL BE CONSIDERED A PART OF THESE SPECIFICATIONS.
- SEE MOUNTING DATA ON ELECTRICAL DETAIL SHEET.
- FIXTURE LABELS: UL LISTED AND LABELS I.B.E.W. - A.F. OR L.
- GUARANTEE: ONE YEAR AGAINST MECHANICAL DEFECTS IN MANUFACTURER.
- SUBSTITUTION: NO SUBSTITUTION OF CEILING FIXTURES WILL BE ACCEPTED.
- FURNISHING OF FIXTURES AND LAMPS: THE FIXTURES AND LAMPS SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

MOTOR SCHEDULE									
UNIT NO.	DESCRIPTION	HP OR LOAD	VOLTAGE & PHASE	DISCONNECT SIZE	STARTER SIZE	LOCATION	REMARKS		
RTU-1	ROOF TOP UNIT	19.4 KW	480V/3P	30/3P NEMA 3R NON-FUSED	INTEGRAL WITH UNIT	ROOF	PROVIDE DISCONNECT SWITCH AND CONNECT POWER TO UNIT. CONTROLS AND WIRING DIAGRAMS FURNISHED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL AND CONNECT ALL CONTROLS. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL SIMPLEX DUCT SMOKE DETECTORS CONSISTING OF #2098/9649 DUCT MOUNTING, #2098/9290 PHOTO ELECTRIC DETECTOR, #2098/9797 SAMPLING TUBE, #2098/9805 POWER ALARM LED AND TEST SWITCH WITH REMOTE CEILING MOUNTED INDICATOR LIGHT AND TEST SWITCH AND INTERLOCK FOR EQUIPMENT SHUTDOWN SEE SHEET ME 2.2.		
RTU-2	ROOF TOP UNIT	19.4 KW	480V/3P	30A/3P NEMA 3R NON-FUSED	INTEGRAL WITH UNIT	ROOF	SAME AS RTU-1		
RTU-3	ROOF TOP UNIT	15.0 KW	480V/3P	30A/3P NEMA 3R NON-FUSED	INTEGRAL WITH UNIT	ROOF	SAME AS RTU-1		
RTU-4	ROOF TOP UNIT	14.5 KW	480V/3P	30A/3P NEMA 3R NON-FUSED	INTEGRAL WITH UNIT	ROOF	SAME AS RTU-1		
RTU-5	ROOF TOP UNIT	12.3 KW	480V/3P	30A/3P NEMA 3R NON-FUSED	INTEGRAL WITH UNIT	ROOF	SAME AS RTU-1		
RTU-6	ROOF TOP UNIT	9.5 KW	480V/3P	30A/3P NEMA 3R NON-FUSED	INTEGRAL WITH UNIT	ROOF	SAME AS RTU-1		
EH-1	ENTRANCE HEATER	1/2 HP	120V/1P	NMS	INTEGRAL WITH UNIT	ROOF	COORDINATE W/ MECH.		
EF-1	EXHAUST FAN	121 W	120V/1P	NMS		OFFICE			
EF-2	EXHAUST FAN	121 W	120V/1P	NMS		EMPLOYEE ROOM			
EF-3	EXHAUST FAN	81 W	120V/1P	NMS		TOILET (MENS)			
EF-4	EXHAUST FAN	81 W	120V/1P	NMS		TOILET (WOMENS)			
EF-5	EXHAUST FAN	285 W	170V/1P	NMS		1 HOUR PHOTO			
EWC	WATER COOLER	1/5 HP	120V/1P	NMS		CORRIDOR	FURNISH AND INSTALL RECEPTACLE AS DIRECTED BY MECH. CONTRACTOR.		
(2)	ROLLING SHUTTER	120 W	120V/1P	NMS		PHARMACY	CONNECT POWER TO UNIT AND PROVIDE WALL SWITCH CONTROL.		
(2)	FREZZER COMPRESSION #3, #4	20 MCA 25 MFS	208V/3P	30A/3P WEATHER PROOF W.25A FRN-R FUSES	BY MFC.	ROOF	PROVIDE ALL POWER AND CONTROL WIRING FOR EQUIPMENT PER MANUFACTURERS REQUIREMENTS.		
(1)	COOLER COMPRESSOR #1	33 MCA 50 MFS	208V/3P	60A/3P WEATHER PROOF W.40A FRN-R FUSES	BY MFC.	ROOF	PROVIDE ALL POWER AND CONTROL WIRING FOR EQUIPMENT PER MANUFACTURERS REQUIREMENTS.		
(2)	TYLER FAN UPPER	6.3 AMPS 8.0 AMPS	120V/1P	NMS	BY MFC.	IN COOLER	PROVIDE ALL POWER AND CONTROL WIRING FOR EQUIPMENT PER MANUFACTURERS REQUIREMENTS.		
(1)	TYLER COMPRESSOR #2	33 MCA 50 MFS	208V/3P	60A/3P WEATHER PROOF W.40A FRN-R FUSES	BY MFC.	ROOF	PROVIDE ALL POWER AND CONTROL WIRING FOR EQUIPMENT PER MANUFACTURERS REQUIREMENTS.		
UH-1	UNIT HEATER	1/30 HP	120V/1P	NMS		STOCKROOM			

MOTOR SCHEDULE ABBREVIATIONS:

TS	TOGGLE SWITCH, MOTOR RATED WITH PULL	WP	FUSED WEATHER PROOF	ACCD	AUXILIARY CONTROL CIRCUIT DISCONNECT TO OPERATE WITH OTHER STARTER DISCONNECT
HQA	HAND OFF AUTOMATIC SWITCH	TCC	TEMPERATURE CONTROL CONTRACTOR	EP	ELECTRIC PNEUMATIC SWITCH
PB	PUSHBUTTON	T-ST	ELECTRIC THERMAL/STAT	PEP	PNEUMATIC ELECTRIC SWITCH
OS	ON STARTER	MNS	MANUAL MOTOR STARTER	MFCR	MANUFACTURER
NF	NON-FUSED	CP	CONTROL PANEL		

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DRAWINGS/SPECIFICATIONS BY:
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 LANDLORDS CONSULTANT

ALL CONSTRUCTION WORK, UNLESS NOTED OTHERWISE, BY:
 WALGREENS CONTRACTOR
 LANDLORDS CONTRACTOR (TURNKEY CONSTRUCTION)

STORE	BUILDING
NEW..... <input checked="" type="checkbox"/>	NEW..... <input checked="" type="checkbox"/>
REMODELING... <input type="checkbox"/>	EXISTING..... <input type="checkbox"/>
RELOCATION... <input type="checkbox"/>	NEW SHELL ONLY <input type="checkbox"/>
OTHER..... <input type="checkbox"/>	

NO.	DATE	BY	DESCRIPTION	CONST.
REVISIONS				
CERTIFICATION AND SEAL				

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NO.	DATE	BY	DESCRIPTION	CONST.
REVISIONS				

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DAILY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF NORTH CAROLINA AS SIGNED BY MY HAND AND SEAL.



PROJECT NAME
Walgreens
W.T. HARRIS AND ALBERMARLE
CHARLOTTE, NC

DRAWING TITLE
ELECTRICAL SPECIFICATIONS & MOTOR SCHEDULE

DATE: 1/22/98 STORE NO. 017-04548 DRAWING NO.
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