

**ELECTRICAL LEGEND:**

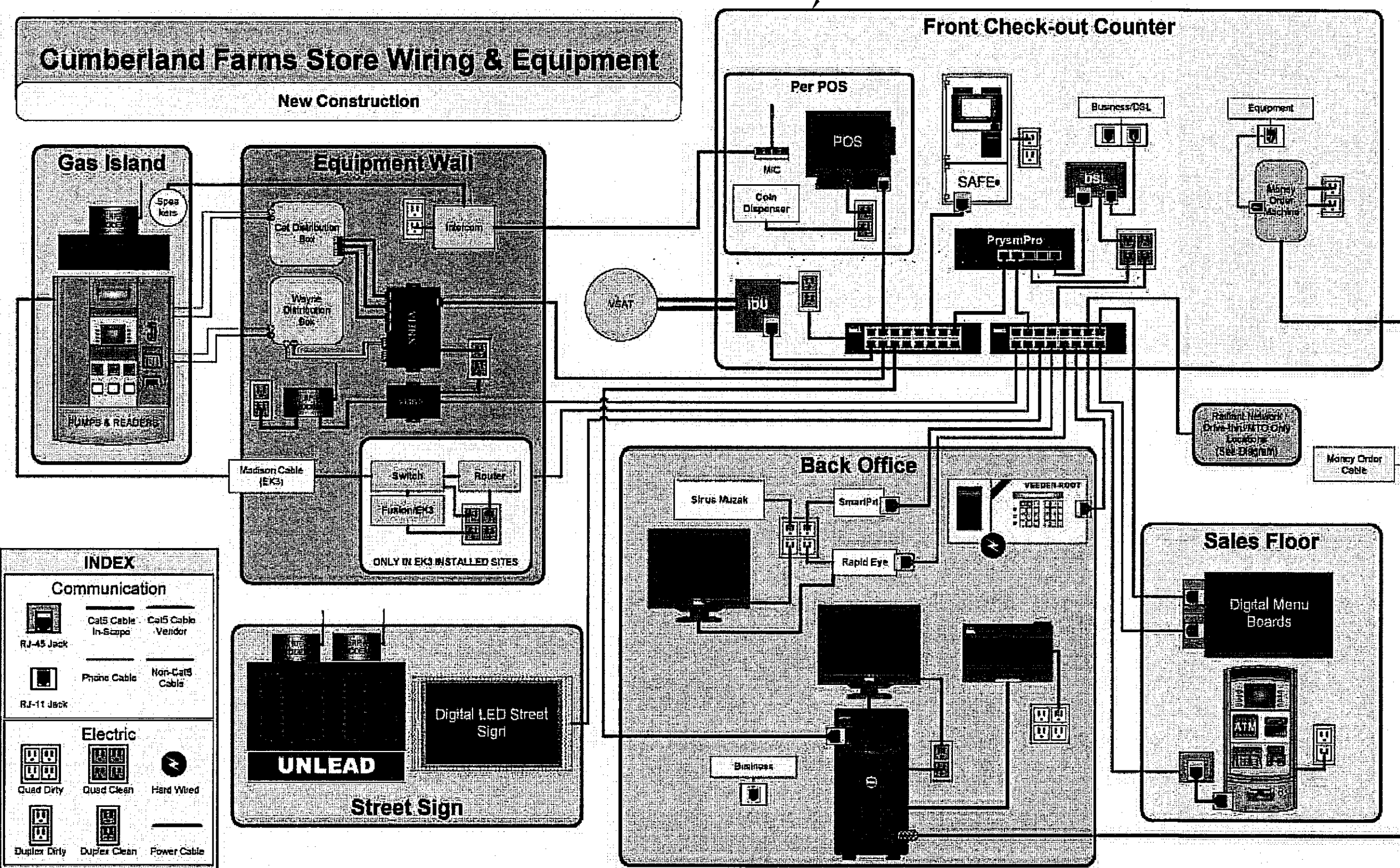
- 2 1/4" FLUORESCENT LIGHT FIXTURE. 'A' DENOTES FIXTURE TYPE, 'T' DENOTES CIRCUIT NUMBER, '0b' DENOTES SWITCH CONTROLLERS'
  - '0' - OUTSIDE LAMPS
  - '1' - INSIDE LAMPS
- HALF SHADED FIXTURES INDICATE FIXTURE TO BE FURNISHED WITH AN INTEGRAL EMERGENCY BALLAST, OR WIRED TO AN EMERGENCY GENERATOR (IF PRESENT)
- 2 1/2" FLUORESCENT LIGHT FIXTURE. 'A' DENOTES FIXTURE TYPE, SEE NOMENCLATURE ABOVE
- 8" PENDANT INDIRECT LIGHT FIXTURE. (LENGTHS MAY VARY) SEE NOMENCLATURE ABOVE
- 4" KITCHEN CLOUD LIGHT FIXTURE. (LENGTHS MAY VARY) SEE NOMENCLATURE ABOVE
- RECESSED DOWNLIGHT (DIAMETER MAY VARY) HALF SHADED FIXTURES INDICATE FIXTURE TO BE FURNISHED WITH AN INTEGRAL EMERGENCY BALLAST
- WALL WASHER DOWNLIGHT (DIAMETER MAY VARY) SEE NOMENCLATURE ABOVE
- SURFACE MOUNTED FLUORESCENT STRIP LIGHT FIXTURE (LENGTHS MAY VARY) SEE NOMENCLATURE ABOVE
- SURFACE MOUNTED FLUORESCENT, STAGGERED STRIP LIGHT FIXTURE (LENGTHS MAY VARY) SEE NOMENCLATURE ABOVE
- SURFACE MOUNTED VANITY LIGHT. (NUMBER OF LAMPS MAY VARY) SEE NOMENCLATURE ABOVE
- COMBINATION FAN LIGHT (COORDINATE WITH MECHANICAL)
- ROUND WALL BRACKET. SEE NOMENCLATURE ABOVE
- SQUARE WALL BRACKET. SEE NOMENCLATURE ABOVE
- WALL SCONCE. SEE NOMENCLATURE ABOVE
- 120V. TRACK WITH TRACK HEAD. LENGTH AS INDICATED ON DRAWINGS. SEE NOMENCLATURE ABOVE
- DOCK LIGHT. SEE NOMENCLATURE ABOVE
- SELF CONTAINED EMERGENCY BATTERY UNIT (EBU) MOUNTED 60" ABOVE FINISHED FLOOR
- CEILING MOUNTED EXIT SIGN. ARROWS INDICATE DIRECTION TO EXIT. SHADING INDICATES SIDES TO HAVE 'EXIT' STENCIL. SEE NOMENCLATURE ABOVE
- WALL MOUNTED EXIT SIGN. SEE NOMENCLATURE ABOVE
- WALL MOUNTED COMBINATION EBU / EXIT SIGN. SEE NOMENCLATURE ABOVE
- WALL MOUNTED FLOOD LIGHT / REMOTE HEAD
- SINGLE POLE SWITCH
  - '0' - DENOTES SPECIFIC LAMPS TO BE CONTROLLED MOUNTED 48" ABOVE FINISHED FLOOR
- THREE WAY SWITCH. SEE NOMENCLATURE ABOVE MOUNTED 48" ABOVE FINISHED FLOOR
- SINGLE POLE 1500W DIMMER. SEE NOMENCLATURE ABOVE MOUNTED 48" ABOVE FINISHED FLOOR
- VARIABLE SPEED FAN CONTROLLER. MOUNTED 48" ABOVE FINISHED FLOOR
- TIMER FOR BATHROOM HEAT LAMPS. MOUNTED 48" ABOVE FINISHED FLOOR
- SINGLE POLE SWITCH
  - 'P' - DENOTES 'PILOT LIGHT' MOUNTED 48" ABOVE FINISHED FLOOR
- DOOR FRAME MOUNTED (HINGE SIDE) FLINGER SWITCH
- 7 DAY, ASTRONOMICAL, DAY OMITTING, 24 HOUR TIMECLOCK WITH SKIP A DAY FEATURE. SIMILAR TO PARAGON 4 POLE EC7000 SERIES
- PHOTOCELL
- CEILING FAN
- CEILING MOUNTED PASSIVE INFRARED / MICRO-PHONIC OCCUPANCY SENSOR WATT STOPPER NO.: DT-300 PROVIDED WITH WATT STOPPER POWER PACK = BZ-100 OR EQUAL
- 120V. CEILING MOUNTED PASSIVE INFRARED / MICRO-PHONIC OCCUPANCY SENSOR WATT STOPPER NO.: DT-355 OR EQUAL
- CEILING MOUNTED PASSIVE INFRARED / MICRO-PHONIC NARROW BEAM OCCUPANCY SENSOR WATT STOPPER NO.: WF-225 PROVIDED WITH WATT STOPPER POWER PACK = BZ-100 OR EQUAL
- WALL MOUNTED PASSIVE INFRARED / ULTRASONIC OCCUPANCY SENSOR WATT STOPPER NO.: DW-100 OR EQUAL
- WALL MOUNTED DUAL-SWITCHABLE OCCUPANCY SENSOR WATT STOPPER NO.: WA-300 OR EQUAL
  - '0b' - DENOTES SWITCH CONTROLLERS'
  - '0' - OUTSIDE LAMPS
  - '1' - INSIDE LAMPS
- WALL MOUNTED DIMMABLE OCCUPANCY SENSOR WATT STOPPER NO.: WD-170 (120V), WD-180 (277V) OR EQUAL
- CEILING MOUNTED PHOTOSENSOR WATTSTOPPER NO.: LS-301
- WALL MOUNTED KEYPAD TYPE DIMMER, MARLIN CONTROLS NO.: RCS-1 (4 PRESET / 1 ZONE DIMMING W/ MASTER 'ON' / 'OFF')
- 'Z' - DENOTES 4 PRESET / 2 ZONE DIMMING
- WALL MOUNTED KEYPAD TYPE SWITCH MARLIN CONTROLS NO.: RCS-1 (4 PRESET / 4 ZONE W/ MASTER 'ON' / 'OFF')
- WALL MOUNTED REMOTE ENTRY CONTROLLER, MARLIN CONTROLS NO.: REC
- WALL MOUNTED WINDOW SHADE CONTROLLER
- DUPLEX CONVENIENCE OUTLET, 20A 125V, 2 POLE, 3 WIRE, U SLOT GROUNDED TYPE MOUNTED 18" ABOVE FINISHED FLOOR (TO CENTER LINE 'T' INDICATES CIRCUIT NUMBER)
- DUPLEX CONVENIENCE OUTLET, 20A 125V, 2 POLE, 3 WIRE, U SLOT GROUNDED TYPE MOUNTED 48" ABOVE FINISHED FLOOR OR 6" ABOVE COUNTER (TO CENTER LINE) SEE NOMENCLATURE ABOVE
- DUPLEX CONVENIENCE OUTLET, 20A 125V, 2 POLE, 3 WIRE, U SLOT GROUNDED TYPE ONE-HALF SWITCHED MOUNTED 18" ABOVE FINISHED FLOOR (TO CENTER LINE) SEE NOMENCLATURE ABOVE
- DOUBLE DUPLEX OUTLET, MOUNTED 18" ABOVE FINISHED FLOOR. SEE NOMENCLATURE ABOVE
- DOUBLE DUPLEX OUTLET, MOUNTED 48" ABOVE FINISHED FLOOR. SEE NOMENCLATURE ABOVE
- AR. AIR CONDITIONER OUTLET. SEE NOMENCLATURE ABOVE
- GROUND FAULT INTERRUPTING (GFI) TYPE DUPLEX CONVENIENCE OUTLET, MOUNTED 18" ABOVE FINISHED FLOOR
  - 'WP' - DENOTES TO BE PROVIDED WITH A WEATHER-PROOF ENCLOSURE
 SEE NOMENCLATURE ABOVE

- GROUND FAULT INTERRUPTING (GFI) TYPE DUPLEX CONVENIENCE OUTLET, MOUNTED 48" ABOVE FINISHED FLOOR. SEE NOMENCLATURE ABOVE
- GROUND FAULT INTERRUPTING (GFI) TYPE DUPLEX CONVENIENCE OUTLET, ONE HALF SWITCHED MOUNTED 48" ABOVE FINISHED FLOOR. SEE NOMENCLATURE ABOVE
- FLOOR BOX AND POKE-THRU (AS INDICATED ON DRAWINGS)
- SPECIAL PURPOSE OUTLET, RATING AS INDICATED ON DRAWING
  - '20A' - DENOTES AMPERAGE
 EXACT MOUNTING HEIGHT SHALL BE VERIFIED IN FIELD
- HORSEPOWER RATED THERMAL SWITCH
- NON-FUSED DISCONNECT SWITCH, SIZE AND RATING AS INDICATED ON DRAWINGS
- FUSED DISCONNECT SWITCH, SIZE AND RATING AS INDICATED ON DRAWINGS
- COMBINATION MOTOR STARTER / FUSED DISCONNECT SWITCH, SIZE AND RATING AS INDICATED ON DRAWINGS
- MOTOR STARTER, SIZE AND RATING AS INDICATED ON DRAWINGS
- MUSH-ROOM BUTTON / MOMENTARY SWITCH
- TWO BUTTON SWITCH
- THREE BUTTON SWITCH
- FOUR BUTTON SWITCH
- FAN / MOTOR
  - '2' - DENOTES HORSEPOWER / WATTAGE
- EXHAUST FAN
- GARBAGE DISPOSAL
- RECESSED PANELBOARD
  - 'LP' - DENOTES PANEL DESIGNATION
- SURFACE MOUNTED PANELBOARD
  - 'LP' - DENOTES PANEL DESIGNATION
- RECESSED 120/240V, 10-30W. LOAD CENTER
- POWER POLE
- RANGE HOOD
- JUNCTION BOX WITH TYPE 'SO' POWER CORD DROP AND DUPLEX RECEPTACLE
- JUNCTION BOX WITH TYPE 'SO' POWER CORD DROP AND QUADRAPLEX RECEPTACLE
- JUNCTION BOX WITH TYPE 'SO' POWER CORD DROP AND SPECIAL PURPOSE RECEPTACLE, RATED AS INDICATED ON DRAWINGS
- JUNCTION BOX WITH TYPE 'SO' POWER CORD DROP AND HARD WIRED CONNECTION
- 4" CIRCULAR JUNCTION BOX
- 4" SQUARE JUNCTION BOX
- VOLT METER
- AMP METER
- VOLT METER SWITCH
- AMP METER SWITCH
- RELAY
- CONTROLLER
- TRANSFORMER RATING AS INDICATED ON DRAWINGS DIMENSIONS VARY
- METER
- TELEPHONE OUTLET MOUNTED 18" ABOVE FINISHED FLOOR. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A FLUSH MOUNTED, SINGLE PORT, MODULAR RJ45 TELEPHONE JACK WITH 14/2 #24 AWG, CATEGORY 3, TELEPHONE CABLE FROM EACH OUTLET INDICATED ON THE PLANS TO THE TEL/DATA ROOM.
- 'W' - DENOTES PHONE MOUNTED 48" ABOVE FINISHED FLOOR
- DATA OUTLET MOUNTED 18" ABOVE FINISHED FLOOR. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A FLUSH MOUNTED, SINGLE PORT, MODULAR RJ45 DATA JACK WITH 14/2 #24 AWG, CATEGORY 6, DATA CABLE FROM EACH OUTLET INDICATED ON THE PLANS TO THE TEL/DATA ROOM.
- TEL/DATA OUTLET MOUNTED 18" ABOVE FINISHED FLOOR. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 2 FLUSH MOUNTED MODULAR RJ45 DATA JACKS WITH 24/2 #24 AWG, CATEGORY 6, DATA CABLES FROM EACH OUTLET INDICATED ON THE PLANS TO THE TEL/DATA ROOM.
- CABLE TV, OUTLET, MOUNTED 18" AFF. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL AN OUTLET BOX, FACEPLATE W/ 'F' CONNECTOR AND A SINGLE COAXIAL CABLE FROM EACH OUTLET TO THE TEL/DATA ROOM. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOCAL CABLE COMPANY FOR EXACT CABLE TYPE.
- SELF CONTAINED UNDERBONE MONITOR BELL EDWARDS SIGNAL #566-44M (OR EQUAL)

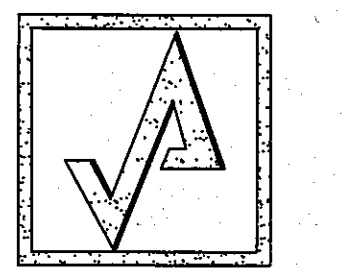
- WIRING**
- HOME RUN - CABLE
    - 'LP' - DENOTES PANELBOARD
    - 'IS' - DENOTES CIRCUITS
    - 'TICKS' INDICATE NUMBER OF CONDUCTORS IN THE RUN
  - LOAD CENTER DESIGNATION 'T' INDICATES WIRE & BREAKER SIZE / RATING (SEE TYPICAL HOME RUN SCHEDULE)
  - CONDUIT TURNING UP
  - CONDUIT TURNING DOWN
  - CONDUIT STUB
  - WIRE BREAK
  - NORMAL POWER WIRING
  - EMERGENCY POWER WIRING
  - TELE/DATA WIRING
  - LOW VOLTAGE / CONTROL WIRING
  - ISOLATED GROUND WIRING
    - 'TICK SETS (SHORT & LONG)' INDICATE NUMBER OF CONDUCTORS IN THE RUN

- ABBREVIATIONS & NOTATION**
- MECHANICAL EQUIPMENT DESIGNATION CONTENTS DESCRIBE MACHINERY (BY MECHANICAL ENGINEER)
  - REVISION TAG
    - '1' - DENOTES REVISION NUMBER
  - ABBREVIATIONS:
    - A.A.F. ABOVE FINISHED FLOOR
    - A.F.G. ABOVE FINISHED GRADE
    - DW. DISHWASHER
    - E.C. ELECTRICAL CONTRACTOR
    - EX. EXISTING TO REMAIN
    - ER. EXISTING TO BE RELOCATED
    - ETR. EXISTING TO BE REMOVED
    - EXP. EXPLOSION PROOF
    - G.C. GENERAL CONTRACTOR
    - IS. ISOLATED GROUND
    - WP. WEATHER-PROOF

- GENERAL NOTES**
- PERFORM ALL WORK IN ACCORDANCE WITH NATIONAL AND STATE ELECTRICAL CODES, LOCAL ORDINANCES, AND REQUIREMENTS OF THE WIRING INSPECTOR.
  - MATERIALS
    - a. ALL WIRING SHALL BE COPPER, 90 AMPS OR LESS SHALL BE 60° CELSIUS, 100 AMPS OR MORE SHALL BE 75° CELSIUS. GENERAL BRANCH WIRING SHALL BE TYPE 'MC' CABLE FOR GENERAL INTERIOR WIRING AND EMT FOR ANY EXPOSED BRANCH CIRCUIT WIRING.
    - b. ALL PRODUCTS AND DEVICES SHALL BE NEW AND BEAR THE UNDERWRITERS' LABORATORIES LABEL. DEVICES SHALL BE SPECIFICATION GRADE. COLOR OF DEVICES SHALL BE COORDINATED WITH THE ARCHITECT.
  - PERFORM ALL WORK IN A WORKMANLIKE AND TIMELY MANNER SUBJECT TO THE APPROVAL OF THE ENGINEER.
  - ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSURANCE, PERMITS, FEES AND BACKCHARGES REQUIRED FOR THE PERFORMANCE OF HIS/HER WORK.
  - ELECTRICAL CONTRACTOR SHALL COORDINATE THE ELECTRICAL WORK WITH ALL OTHER TRADES. ANY CONFLICT SHALL BE PRESENTED TO THE GENERAL CONTRACTOR AND ENGINEER PRIOR TO INSTALLATION OF WORK.
  - PANEL DIRECTORIES SHALL REFLECT THE WORK PERFORMED UNDER THIS CONTRACT. PANELS SHALL BE PROVIDED WITH TYPED DIRECTORIES.
  - ALL PRODUCTS SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY OWNER.
  - ALL WIRING AND EQUIPMENT ARE DEPICTED DIAGRAMMATICALLY. FINAL LOCATIONS SHALL BE DETERMINED IN THE FIELD AND ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
  - ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY POWER AND LIGHTING. SPECIAL PURPOSE POWER REQUIREMENTS SHALL BE PAID FOR BY THE TRADE REQUIRING SAME (WELDERS, COMPRESSORS, ETC).
  - SHOP DRAWINGS SHALL BE SUBMITTED ON ALL ELECTRICAL EQUIPMENT, BEFORE PROCUREMENT OF EQUIPMENT.
  - ALL NEW WIRING INDICATED ON PLANS SHALL MATCH THE CAPACITY OF THE CIRCUIT BREAKER INDICATED AT THE HOMERUN WHERE NO BREAKER SIZE IS INDICATED, THE BREAKER SHALL BE 20AMP WITH #12 AWG CABLE.
  - WIRE AND CONDUIT SIZES INDICATED ON HOMERUNS SHALL RUN CONTINUOUS THROUGHOUT CIRCUIT.
  - CONDUITS AND ORCUTRY INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC ONLY. FINAL LOCATION OF CONDUITS SHALL BE FIELD COORDINATED SO AS TO AVOID CONFLICTS WITH OTHER TRADES.
  - COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH HVAC, PLUMBING AND FIRE PROTECTION CONTRACTORS.
  - THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET PROJECT CONDITIONS.
  - THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND EXACT LOCATIONS AGAINST ARCHITECTS REFLECTED CEILING PLANS, ELEVATIONS AND DETAIL DRAWINGS.
  - ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILING.
  - ALL WIRING IN CLASSIFIED AREAS SHALL COMPLY WITH ARTICLE 513 OF THE NATIONAL ELECTRIC CODE.
  - WIRING THAT PENETRATES FLOOR SLABS SHALL BE IN RIGID STEEL CONDUIT AND SEALED WITH THE APPROPRIATE SEAL FITTINGS. ALL SEALING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 501S OF THE NATIONAL ELECTRIC CODE.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE STOPPING ALL AROUND EACH CONDUIT THAT PENETRATES A RATED WALL, FLOOR AND/OR CEILING. FIRE STOP PUTTY SHALL BE UTILIZED AND COMPLETELY FILL ANY GAPS IN THE WALLS, CEILINGS AND/OR FLOORS IN ORDER TO MAINTAIN THE INTEGRITY OF THE FIRE RATED ASSEMBLY. THE FIRE CALLING SHALL BE MANUFACTURED BY HILT.
  - FIRE STOP PUTTY PADS SHALL BE INSTALLED AROUND ALL OUTLET AND SWITCH BOXES THAT ARE LOCATED ON PARTY WALLS AND/OR FIRE RATED WALLS OR CEILING ASSEMBLIES. PUTTY PADS SHALL BE MANUFACTURED BY HILT.
  - ALL CONDUIT ASSOCIATED WITH GASOLINE DISPENSERS MAY BE RIGID NONMETALLIC CONDUIT. CONDUIT WITHIN 6 FEET OF ANY GASOLINE DISPENSER SHALL BE GALVANIZED RIGID STEEL WITH APPROPRIATE SEAL FITTING WITHIN THE DISPENSER. SEAL FITTINGS SHALL BE INSTALLED ON ALL BRANCH CIRCUIT WIRING LEAVING THE RESPECTIVE PANELBOARD THAT SERVES THE GASOLINE DISPENSING ISLAND. ALL BRANCH CIRCUIT WIRING ASSOCIATED WITH GASOLINE DISPENSING ISLAND SHALL BE EQUIPPED WITH A GREEN INSULATED GROUND CONDUCTOR IN EACH CONDUIT. SEAL FITTINGS SHALL BE INSTALLED AND PACKED IN ACCORDANCE WITH ARTICLE 514, MOTOR FUEL DISPENSING FACILITIES OF THE 2008 NATIONAL ELECTRICAL CODE.
  - EMERGENCY CONTROLS AS INDICATED IN ARTICLE 514, OF THE NATIONAL ELECTRICAL CODE SHALL BE INSTALLED AT A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, BUT CONTROLS SHALL NOT BE MORE THAN 20 FEET BUT LESS THAN 100 FEET FROM THE DISPENSERS. ADDITIONAL EMERGENCY CONTROLS SHALL BE INSTALLED ON EACH GROUP OF DISPENSERS OR THE OUTDOOR EQUIPMENT USED TO CONTROL THE DISPENSERS. EMERGENCY CONTROLS SHALL SHUT OFF ALL POWER TO ALL THE DISPENSING EQUIPMENT AT THE STATION. CONTROLS SHALL BE MANUALLY RESET ON IN A MANNER APPROVED BY THE AUTHORITY HAVING JURISDICTION.

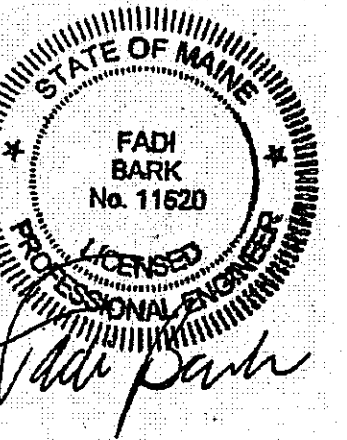


**NOTE:**  
ELECTRICAL CONTRACTOR TO FURNISH & INSTALL ALL VOICE DATA, ACCESSORIES AND RECEPTACLES AS SHOWN IN CUMBERLAND FARMS STORE WIRING AND EQUIPMENT WIRING DIAGRAM. DETAIL APPLIES TO SHEET E201.



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**REVISIONS**

NUMBER	REMARKS	DATE



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**DRAWING TITLE**  
ELECTRICAL LEGEND & GENERAL NOTES

DATE	PROJ NO
JULY 20, 2012	11112
DRAWN BY	CHECKED BY
DJH	VAD JR

**DRAWING NUMBER**

**E0.01**