5) UNLESS OTHERWISE NOTED ON DRAWINGS OR OTHERWISE REQUIRED BY THE NATIONAL ELECTRICAL CODE, THE AMERICAN WITH DISABILITIES ACT (ADA), OR LOCAL CODES, OUTLET HEIGHTS SHALL BE AS FOLLOWS:

a. SWITCH HEIGHT 48" FROM FINISHED FLOOR TO CENTERLINE OF OUTLET.

b. CONVENIENCE OUTLETS: SALES & NON-SALES: 18" FROM FINISHED FLOOR TO CENTERLINE OF OUTLET.

c. TELEPHONE OUTLETS SHALL BE LOCATED AS NOTED ON DRAWINGS.

C. JUNCTION AND PULL BOXES

1) THE PLANS INDICATE ONLY SCHEMATIC ROUTINGS FOR CONDUIT RUNS. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL BOXES WHERE REQUIRED BY FIELD CONDITIONS OR BY CODE.

2) BOXES AND COVERS SHALL BE GALVANIZED STEEL OF CODE GAUGE SIZE.

3) INSTALL BOXES RIGIDLY SUPPORTED FROM THE BUILDING STRUCTURE AND SUPPORTED INDEPENDENT OF THE CONDUIT SYSTEM.

4) ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILINGS SHOULD BE IN LOCATIONS NEAR ACCESS FRAMES USED FOR DIFFUSERS AND RETURN AIR GRILLES OR ACCESS PANELS AS LOCATED ON PLANS.

5) JUNCTION AND PULL BOXES MUST BE LABELED WITH CIRCUIT NUMBER IDENTIFICATION AND SYSTEM TYPE ON COVER.

D. WIRING

1) CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER AND THE AWG SIZE AND TYPE AS SHOWN ON DRAWINGS. THE CONDUCTORS SHALL BE 600 VOLT INSULATION, TYPE THW, THWN OR THHN.

2) MINIMUM WIRE SIZE – 20 AMP BRANCH CIRCUITS SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON DRAWINGS OR REQUIRED BY NEC.

3) ON ALL 20 AMP BRANCH CIRCUITS, CONDUCTORS LARGER THAN #10 AWG SHALL BE REDUCED TO #10 AWG WITHIN 10 FEET OF PANEL BOARD AND DEVICE IN JUNCTION BOXES ON RATED TERMINAL STRIPS.

4) CONDUCTORS MAY BE STRANDED FOR SIZES #10 AWG AND LARGER. CONDUCTORS SIZE #12 SHALL BE SOLID (NOT STRANDED).

5) ALUMINUM CONDUCTORS ARE NOT PERMITTED, EXCEPT AT SERVICE ENTRANCE, WHERE REQUIRED BY LANDLORD. CONDUCTOR CONNECTION MUST BE PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR MUST ADVISE THE G.C.'S CONSTRUCTION MANAGER WHEN USED.

6) ALL WIRING SHALL BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE (IE LOW VOLTAGE PLENUM RATED WIRE).

7) THE USE OF SHARED NEUTRALS IS REQUIRED FOR LIGHTING CIRCUITS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES. ALL OTHER EQUIPMENT REQUIRING A NEUTRAL CONDUCTOR SHALL HAVE A DEDICATED FULL SIZE NEUTRAL.

8) THE USE OF ROMEX, BX, ETC IS NOT PERMITTED.

9) ALL WIRING SHALL BE COLOR-CODED AS FOLLOWS:

	208Y/120 VOLT SYSTEM	480Y/277 VOLT SYSTEM
NEUTRAL:	WHITE	GRAY
PHASE A OR L1	BLACK	BROWN
PHASE B OR L2	RED	ORANGE
PHASE C OR L3	BLUE	YELLOW
GROUND	GREEN	GREEN
ISOLATED GROUND	GREEN W/YELLOW TRACER	GREEN W/YELLOW TRACER

10) REFER TO SHEET E0-1 FOR WIRE SIZES.

E. WIRING DEVICES

1) CONTRACTOR SHALL FURNISH AND INSTALL SWITCHES AND RECEPTACLES, UNLESS NOTED OTHERWISE, AS NECESSARY FOR A COMPLETE INSTALLATION. COLOR OF DEVICES AND PLATES SHALL BE AS NOTED ON DRAWINGS THE DEVICES SHALL BE OF THE TYPES AND RATINGS LISTED BY ARROW-HART, GENERAL ELECTRIC OR PASS & SEYMOUR. WEATHERPROOF GFI RECEPTACLES SHALL BE INSTALLED WHERE SHOWN ON DRAWINGS OR AS REQUIRED BY CODE.

F. HEATING, VENTILATING & AIR CONDITIONING, PLUMBING, AND FIRE PROTECTION WIRING

1) ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL AND TEMPERATURE CONTROL DRAWINGS FOR ADDITIONAL ELECTRICAL WORK SHALL BE INCLUDED IN HIS BID.

2) ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL POWER WIRING, LINE VOLTAGE WIRING, AND LINE VOLTAGE CONTROL WIRING INDICATED UNDER THE HEATING, VENTILATION AND AIR CONDITIONING, PLUMBING AND FIRE PROTECTION SPECIFICATIONS AND DRAWINGS. CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL INTERCONNECTING LINE VOLTAGE WIRING BETWEEN RELAYS AND SWITCHES AS REQUIRED.

3) ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING CONDUIT FOR HVAC CONTROL WIRING WHERE REQUIRED BY CODE SHALL BE IN CONDUIT. REFER TO PLANS FOR REQUIREMENTS AND SIZE.

G. SAFETY AND DISCONNECT SWITCHES

1) SAFETY AND DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE, QUICK-MAKE, QUICK-BREAK FUSED OR NON-FUSIBLE WITH RATINGS AND SIZES AS NOTED ON PLANS AND REQUIRED BY CODES.

2) SWITCHES SHALL BE WEATHERPROOF IN OUTDOOR LOCATIONS OR AS REQUIRED BY LOCAL CODES. DISCONNECT SWITCHES THAT ARE INSTALLED AT HEATING, VENTILATING AND AIR CONDITIONING (HVAC) EQUIPMENT SHALL BE FUSED IF NOT PROTECTED WITH A "HACR" BREAKER IN ACCORDANCE WITH THE EQUIPMENT'S NAMEPLATE AND MANUFACTURER'S REQUIREMENTS PER THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES.

3) AT SERVICE ENTRANCE, DISCONNECT SHALL BEAR THE MANUFACTURER'S LABEL INDICATING THE EQUIPMENT IS UL RATED FOR APPLICATION IN ACCORDANCE WITH ALL CODES.

H. MOTOR STARTERS

1) MAGNETIC MOTOR STARTERS SHALL BE PROVIDED WITH RESET TYPE OVERLOADS THAT CLOSELY MATCH MOTOR NAMEPLATE RATING AND SHALL BE ELECTRICALLY HELD (MINIMUM SIZE #1 IN A NEMA 1 ENCLOSURE) AND BE USED FOR ALL SINGLE PHASE AND THREE PHASE MOTORS RATED ABOVE 1/2 HP THAT REQUIRE AUXILIARY CONTROL. PROVIDE CONTROL DEVICES (AUXILIARY CONTACTS, TRANSFORMERS, H-O-A, ETC.) IN STARTERS AS REQUIRED FOR INTERLOCKS. COORDINATE ALL CONTROL DEVICES WITH MECHANICAL CONTRACTOR. COMBINATION STARTER/DISCONNECT SWITCHES SHALL CONTAIN FUSIBLE SWITCHES AND ONLY USED WHERE INDICATED ON DRAWINGS.

I. GROUNDING

1) FURNISH AND INSTALL COMPLETE WIRED GROUNDING CONDUCTOR SYSTEM, #12 AWG MINIMUM, SIZED AND INSTALLED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, THE LANDLORD'S TENANT CRITERIA AND AS NOTED IN THE SPECIFICATIONS AND AS INDICATED ON THE DRAWINGS.

2) ALL CONDUIT, INCLUDING FLEXIBLE CONDUIT, SHALL BE GROUNDED WITH A GREEN GROUNDING CONDUCTOR.

3) GROUNDING CONNECTIONS MADE TO THE WATER PIPING SYSTEM SHALL BE COORDINATED WITH THE PLUMBING CONTRACTOR AND A BONDING JUMPERS INSTALLED AROUND WATER METER PER CODES AND AS INDICATED ON DRAWINGS.

4) ALL DEVICES SHALL BE BONDED TO THE CONDUIT SYSTEM. USE A BONDING JUMPER BETWEEN THE OUTLET BOX AND THE DEVICE GROUNDING TERMINAL. METAL-TO-METAL CONTACT BETWEEN THE DEVICE YOKE AND THE OUTLET BOX IS NOT ACCEPTABLE AS A BOND FOR EITHER SURFACE MOUNTED BOXES OR FLUSH TYPE BOXES. ALL JUNCTION BOXES, OUTLET BOXES, AND PULL BOXES SHALL BE BONDED TO THE CONDUIT SYSTEM.

5) RUN A SEPARATE ISOLATED GROUNDING CONDUCTOR, #12 AWG MINIMUM, IN EACH CONDUIT FEEDING THE CASH WRAP, THE SENSORMATIC, HVAC CONTROL PANEL, AND OTHER COMPUTERIZED EQUIPMENT AS SHOWN ON DRAWINGS.

6) FOR PANEL FEEDERS, BOND THE GROUNDING CONDUCTOR TO THE CONDUIT, WHERE ENTERING AND LEAVING THE CONDUIT. THE GROUNDING CONDUCTOR SHALL BE COPPER WITH GREEN IDENTIFICATION AND SIZED PER N.E.C.

7) ALL ENCLOSURES AND NON-CURRENT CARRYING METAL PARTS ARE TO BE GROUNDED CONDUIT SYSTEM IS TO BE ELECTRICALLY CONTINUOUS. ALL LOCKNUTS MUST CUT THROUGH ENAMELED OR PAINTED SURFACES ON ENCLOSURES WHERE ENCLOSURES AND NON- CURRENT CARRYING METAL PARTS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS.

J. DRY TYPE TRANSFORMERS

1) TRANSFORMERS WHICH ARE NOT PAD MOUNTED SHALL BE SECURELY MOUNTED FROM THE BUILDING STRUCTURE, REINFORCED WALLS, OR AS NOTED ON DRAWINGS. USE ADDITIONAL VIBRATION ISOLATORS AT POINTS OF MOUNTING TO CUT VIBRATION NOISES. USE FLEXIBLE METALLIC CONDUIT WITH GROUNDING BUSHING FOR PRIMARY AND SECONDARY CONNECTIONS TO TRANSFORMER. TRANSFORMERS SHALL BE LOCATED, SET, MOUNTED AND CONNECTED IN SUCH A MANNER AS TO KEEP NOISE LEVELS WITHIN THE SURROUNDING AMBIENT NOISE LEVELS AND MAINTAIN ALL CODE REQUIRED CLEARANCES.

2) TRANSFORMER SHALL BE QUIET TYPE CONSTRUCTION AND HAVE SIX (6) 2-1/2% TAPS, TWO (2) TAPS ABOVE AND FOUR (4) TAPS BELOW NORMAL PRIMARY RATING.

K. PANELBOARDS

1) ALL PANELBOARDS SHALL BE FACTORY ASSEMBLED OF THE BOLTED CIRCUIT BREAKER TYPE WITH SOLID COPPER BUSSING, FULL SIZED COPPER NEUTRAL, 100% GROUND BUSSING, AND OVERALL HINGED/LOCKABLE DOOR. ALL CIRCUIT BREAKERS SHALL BE OF THE QUICK-MAKE AND QUICK-BREAK DESIGN, THERMAL-MAGNETIC TYPE, TRIP FREE AND TRIP-INDICATING. ALL PANELS SHALL BE DEAD FRONT AND FLUSH OR SURFACE MOUNTED AS SHOWN. ALL LIGHTING BRANCH CIRCUIT BREAKERS SHALL BE SWITCHING DUTY RATED AND LABELLED "SWEDE".

2) CONTRACTOR SHALL FURNISH AND INSTALL A TYPEWRITTEN DIRECTORY CARD OF THE CIRCUITS AND PLACE IN PANEL DOOR.

3) ALL PANELBOARDS PHASE AMPERAGE SHALL BE BALANCED TO WITHIN 7 PERCENT MAX TO MIN. REARRANGE NON-LIGHTING BRANCH CIRCUITS AS REQUIRED AND NOTE CHANGES ON RECORD DRAWINGS. LIGHTING PANEL CIRCUIT BREAKERS MUST BE INSTALLED AND WIRED EXACTLY AS SHOWN ON DRAWINGS.

4) PANELBOARDS MUST BE MOUNTED ON MINIMUM 3/4" A/D PLYWOOD AND PAINTED IN A COLOR TO MATCH THE SURROUNDING WALLS OR A COLOR AS REQUIRED BY LOCAL CODE. PLYWOOD SHALL EXTEND 1 FOOT MINIMUM BEYOND EDGE OF EQUIPMENT.

5) PANELBOARDS SHALL HAVE A MINIMUM SHORT CIRCUIT CURRENT RATING AND LUG CONNECTIONS AS FOLLOWS:

a. 120/208 VOLT PANELBOARDS: 10,000 A.I.C

b. 277/480 VOLT PANELBOARDS: 14,000 A.I.C.

c. VERIFY ACTUAL A.I.C SHORT CIRCUIT CURRENT REQUIREMENTS WITH THE LANDLORD OR UTILITY COMPANY PRIOR TO ORDERING EQUIPMENT.

d. ALL LUG CONNECTIONS SHALL BE 75 DEG C RATED.

L. LIGHTING FIXTURES & LAMPS

1) CONTRACTOR SHALL INSTALL ALL LIGHTING FIXTURES AND LAMPS AS SHOWN ON THE DRAWINGS. LIGHTING FIXTURES AND LAMPS ARE SUPPLIED BY THE OWNER, UNLESS NOTED OTHERWISE. CONTRACTOR IS TO REPLACE ALL NON-WORKING LAMPS PRIOR TO MERCHANDISE DATE AND IS TO INCLUDE COST IN BID.

2) ALL RECESSED INCANDESCENT FIXTURES SHALL BE PROVIDED WITH APPLICABLE THERMAL PROTECTION.

3) WHERE FLUORESCENT FIXTURES ARE SPECIFIED, THEY SHALL BE PROVIDED WITH HIGH POWER FACTOR RAPID START BALLASTS, U.L LISTED, C.B.M CERTIFIED, AND E.T.L APPROVED WITH EFFICIENCY FACTORS IN ACCORDANCE WITH "THE ENERGY POLICY ACT OF 1992" AND ITS AMENDMENTS AS A MINIMUM.

4) CONTRACTOR SHALL FURNISH ADDITIONAL AUXILIARY SUPPORT STEEL HANGER WIRES ADEQUATELY SIZED TO SUPPORT THE WEIGHT OF THE FIXTURE FASTENED TO THE BUILDING STRUCTURE (MINIMUM TWO PER FIXTURE) FOR ALL FIXTURES IN LAY-IN CEILINGS AND OTHER FIXTURES AS REQUIRED BY THE LANDLORD AND LOCAL CODE OFFICIALS. FIXTURES TO FIT TIGHT AGAINST CEILING CONSTRUCTION TO ELIMINATE LIGHT LEAKS.

5) FURNISH AND INSTALL APPLICABLE FIRE RATED DRYWALL BOXES OVER RECESSED FIXTURES IN FIRE RATED CEILINGS AS REQUIRED BY CODES. FIELD COORDINATE AS REQUIRED TO AVOID CONFLICTS.

6) CONTRACTOR SHALL FURNISH AND INSTALL SPLAY WIRING (GUY WIRING) AND SEISMIC BRACING FOR ALL FIXTURES AND EQUIPMENT AS REQUIRED BY STATE AND LOCAL CODES.

7) WALL-MOUNTED FIXTURES SHALL BE MOUNTED PLUMB WITH BUILDING LINES AND INSTALLED WITH PROPER BOX AND COVER HARDWARE.

8) SURFACE AND STEM MOUNTED FIXTURES SHALL BE HUNG FROM BOXES SECURELY FIXED TO THE STRUCTURE. USE CANOPY TO COVER MOUNTING HARDWARE.

M. LIGHTING CONTROLS

1) THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL PANEL CONTACTORS AND LOOSE CONTACTORS AS INDICATED ON DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL THE SYSTEM AND PULL ALL WIRES AS DETAILED ON THESE DRAWINGS AND TO INSTALL CIRCUITING EXACTLY AS DIAGRAMMED ON THE LIGHTING PLAN DRAWINGS. VARIATIONS TO THE CIRCUITING ARE NOT ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY GAP, INC. ENGINEERING MANAGER.

N. TELEPHONE DATA AND COMPUTER WIRING

1) FURNISH AND INSTALL A SYSTEM OF CONDUIT RACEWAYS, OUTLET BOXES, PULL WIRES, AND TERMINAL BOARDS AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE NOTED ON PLANS. TELEPHONE SWITCHING APPARATUS, CONDUCTORS, INSTRUMENTS, MISCELLANEOUS EQUIPMENT AND APPURTENANCES ARE NOT PART OF THIS CONTRACT AND WILL BE PROVIDED AND INSTALLED BY THE OWNER.

2) OUTLET BOXES SHALL BE 4" SQUARE MINIMUM WITH SINGLE DEVICE COVER AND TELEPHONE PLATE.

3) CONDUIT RUNS FROM TELEPHONE BOARD OR MANAGER'S OFFICE FOR TELEPHONE AND DATA LINES TO CASHWRAPS ARE SHALL BE CONTINUOUS WITH NO JUNCTION BOXES EXCEPT AS NOTED OTHERWISE ON DRAWINGS.

4) ALL PULL WIRES ARE SHALL BE LABELED FOR PURPOSE DESIGNATED.

5) NO OTHER CIRCUITS ARE TO BE RUN IN SAME CONDUIT FEEDING ISOLATED GROUND RECEPTACLES.

O. FIRE ALARM CONTROL PANEL

1) FIRE ALARM CONTROL PANEL (FACP) AND COMMUNICATOR PURCHASED MUST BE NON-PROPRIETARY.

2) PANEL MUST BE SEPARATE FROM BURGLAR ALARM.

3) FACP SHALL BE CAPABLE OF SUPPORTING 127 ADDRESSABLE POINTS AT A MINIMUM, AND FULLY EXPANDABLE.

4) SIGNALING LINE CIRCUIT (SLC) LOOP SHALL SUPPORT NFPA STYLE 4, 6, OR 7 OPERATION.

5) FACP SHALL HAVE A BACKLIT LCD DISPLAY AND BUILTIN UL APPROVED DIGITAL COMMUNICATOR. FACP USER INTERFACE SHALL INCLUDE EVENT HISTORY, AND BOTH REMOTE AND LOCAL UPLOAD/DOWNLOAD CAPABILITY.

P. FLEXIBLE METAL CONDUIT OR MC TYPE CABLE

1) FLEXIBLE CONDUIT OR MC TYPE CABLE SHALL BE USED FOR THE FOLLOWING APPLICATIONS ONLY:

a. FINAL CONNECTIONS TO MOTORS

b. FINAL CONNECTIONS INTO AND OUT OF THE TRANSFORMER

c. FINAL CONNECTIONS TO VIBRATING EQUIPMENT

d. INTER-CONNECTIONS BETWEEN ALL LIGHT FIXTURES (NOT TO INCLUDE HOMERUN FROM FIXTURE OR DEVICE TO PANELBOARD, WHICH MUST BE EMT OR IMC)

e. FINAL CONNECTIONS WHERE EMT OR IMC CONDUIT IN NOT PRACTICAL

f. IN WALLS (FOR LIGHT SWITCHES AND 120 VOLT POWER RECEPTACLES AND HVAC CONTROL EQUIPMENT)

2) FLEXIBLE METAL CONDUIT OR MC TYPE CABLE MUST BE THE SAME SIZE AS THE IMC OR EMT CONDUIT TO WHICH IT IS CONNECTED. BOTH THE FLEXIBLE METAL CONDUIT AND its FITTINGS ARE TO BE LISTED FOR GROUNDING. A GREEN GROUNDING CONDUCTOR SHALL BE INSTALLED. ALL CONNECTORS ARE TO BE OF A NEMA APPROVED TYPE.

3) THE USE OF ROMEX, BX, ETC IS NOT PERMITTED.

Q. POWER STRUT SYSTEM

1) ALL CHANNEL MEMBERS SHALL BE FABRICATED FROM STRUCTURAL GRADE STEEL CONFORMING TO ONE OF THE FOLLOWING ASTM SPECIFICATIONS: A575, A576, A 36, OR A 635.

2) ALL FITTINGS SHALL BE FABRICATED FROM STEEL CONFORMING TO ONE OF THE FOLLOWING ASTM SPECIFICATIONS: A 575, A576, A 36, OR A 635.

A. CHANNEL MEMBERS AND FITTINGS ARE BASED ON "POWERSTRUT". FOR OTHER MANUFACTURERS, USE PARTS THAT ARE EQUIVALENT TO THOSE LISTED. STRUT SYSTEM COMPONENTS SHALL BE FINISHED IN ACCORDANCE WITH ONE OF THE FOLLOWING STANDARDS OR WHERE MENTIONED IN TABLE BELOW:

a. ELECTRO-GALVANIZED ELECTROLYTICALLY ZINC COATED PER ASTM B 633 TYPE III SC 1

PART NO.	DESCRIPTION	FINISH
PS 200 K06	KNOCKOUT RACEWAY	ELECTRO-GALVANIZED (EG)
PS 655	RACEWAY END CAP	EG
PS 707	RACEWAY CLOSURE STRIP	STANDARD
PS 2560	1/2" CONDUIT CONNECTOR FITTING STANDARD	NO FINISH CHOICE
PS 2561	3/4" CONDUIT CONNECTOR FITTING STANDARD	NO FINISH CHOICE
PS 2635	SWING GATE CHANNEL HANGER	EG
PS 2639	DUPLEX BOX STANDARD	NO FINISH CHOICE
PS 2800	INSIDE STRUT JOINER	CAST ALUMINUM
PS 2801	"T" INSIDE STRUT JOINER	CAST ALUMINUM
PS 2802	"ELBOW" INSIDE STRUT JOINER	CAST ALUMINUM
PS 2803	"CROSS" INSIDE STRUT JOINER	CAST ALUMINUM

PART 3 – EXECUTION

3.1 – PREPARATION

A. THE INSTALLER SHALL INSPECT THE WORK PRIOR TO INSTALLATION. IF WORK AREA CONDITIONS ARE UNSATISFACTORY, INSTALLATION SHALL NOT PROCEED UNTIL SATISFACTORY CORRECTIONS ARE COMPLETED.

3.2 – INSTALLATION

A. HOME RUNS AND MAIN CONDUIT RUNS ARE TO BE HELD TIGHT TO STRUCTURE ABOVE OR AS REQUIRED TO ALLOW PROPER SERVICE ACCESS AND OTHER TRADES WORK. CONDUIT MUST BE TRAPEZOID TO ALLOW 3 FEET MINIMUM CLEARANCE ABOVE CEILING.

B. CONNECTION TO OUTDOOR EQUIPMENT MUST BE WEATHERPROOF, I.E LIQUIDTIGHT OR SEALTIGHT.

C. PROVIDE PULL-WIRE IN ALL EMPTY CONDUITS EXCEPT AS NOTED OTHERWISE ON DRAWINGS.

D. POWER STRUT SYSTEM:

1) INSTALLATION SHALL BE ACCOMPLISHED BY A FULLY TRAINED MANUFACTURER – AUTHORIZED INSTALLER.

2) SET STRUT SYSTEM COMPONENTS INTO FINAL POSITION TRUE TO LINE, LEVEL AND PLUMB, IN ACCORDANCE WITH APPROVED SHOP DRAWINGS.

a. ANCHOR MATERIAL FIRMLY IN PLACE. TIGHTEN ALL CONNECTIONS TO THEIR RECOMMENDED TORQUES.

3.3 – FIELD QUALITY CONTROL

A. ALL CONNECTIONS AT PANELS AND SWITCHES ARE TO BE MADE, ALL SPLICES COMPLETE, ALL FUSES IN PLACE, AND ALL CIRCUITS CONTINUOUS FROM POINT OF SERVICE CONNECTION TO ITS FINAL DESTINATION, AND ALL COVERS AND PLATES INSTALLED PRIOR TO THE TIME OF FINAL INSPECTION BY THE G.C.'S CONSTRUCTION MANAGER.

B. UPON COMPLETION OF THE WORK, ALL PARTS OF THE ELECTRICAL INSTALLATION SHALL BE TESTED AND PROVED FREE OF UNWANTED GROUNDS AND OTHER DEFECTS.

C. ALL OVERLOAD DEVICES, INCLUDING EQUIPMENT FURNISHED UNDER OTHER CONTRACTS, SHALL BE SET AND ADJUSTED TO SUIT THE LOAD CONDITIONS.

D. TEST AND MAKE CORRECTIONS/ADJUSTMENTS FOR PHASE BALANCING.

E. CONTRACTOR IS TO BALANCE THE VOLTAGE LEAVING THE STEP- DOWN TRANSFORMER TO PROVIDE A SECONDARY VOLTAGE OF 120 MINIMUM TO 125 VOLTS MAXIMUM BY ADJUSTING THE TRANSFORMER TAPS ONCE ALL THE FINAL CONNECTIONS HAVE BEEN MADE TO THE LOW VOLTAGE PANELBOARD. PROVIDE FINAL BALANCE REPORT TO THE G.C. CONSTRUCTION MANAGER AT TIME OF PUNCH-OUT.

3.4 – CLEANING

A. AT THE END OF THE PROJECT, CONTRACTOR SHALL CLEAN ALL EQUIPMENT, INCLUDING LIGHT FIXTURES, TO THE SATISFACTION OF THE G.C. ALL DUST, DIRT, DEBRIS, AND FOREIGN MATTER SHALL BE REMOVED FROM ALL EQUIPMENT.

3.5 – PROTECTION

A. UPON COMPLETION OF THIS SECTION OF WORK, REMOVE ALL PROTECTIVE WRAPS AND DEBRIS. REPAIR ANY DAMAGE DUE TO INSTALLATION OF THIS SECTION OF WORK. IT SHALL BECOME THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROTECT THIS WORK FROM DAMAGE DURING THE REMAINDER OF CONTSTRUCTION ON THE PROJECT UNTIL SUBSTANTIAL COMPLETION.

END OF SECTION 16050

REMODEL STORE

OLD NAVY

GAP INC.
STORE DEVELOPMENT
FOLSOM STREET
SAN FRANCISCO, CA 94105

REPS. I.D.: 00000131847

STORE NUMBER: 5724

STORE LOCATION: BUCKHEAD STATION
1 BUCKHEAD LOOP NE
ATLANTA, GA 30326

DESIGN TYPE: P3
GENERATION: 18Q12
PROTOTYPE DATE: 08/31/17
OPENING: 2018

CONSULTANT INFO:

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ISSUE TYPE:

BID/PERMIT 01/05/18

REVISIONS:

DRAWN BY: AMH

A/E JOB NUMBER: 65013029/1742070

TITLE SHEET:
ELECTRICAL SPECIFICATIONS

SHEET NUMBER:
E13-1