

ELECTRICAL PROBLEM CODES

DESCRIPTION	COMMENTS
NEC 2014	
ARC FAULT PROTECTION	Please provide arc-fault protection for all 120-volts single phase, 15 - and 20 - amp branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, sunrooms, recreation rooms, closets, Hallways, or similar rooms or areas. (Ref. NEC 2014 Article 210.12(A))
AFCI FOR REPLACED RECEPTACLES	Where a receptacle outlet is supplied by a branch circuit that requires AFCI protection, please ensure that replacement receptacle at this outlet shall be one of the following:
BASIC POWER RISER DIAGRAM	Please provide a basic POWER RISER DIAGRAM that includes the following minimum components of the Electrical System for this project: * All the NEW or EXISTING Panel Boards serving the Tenant, including those that have been re-located. * The RATING and LOCATION of any Service Disconnect Switch that serves the Tenant Space. * The RATING, LOCATION and SCHEDULE of any Power Transformer(s) directly connected to the Tenant's electrical panel. * The sizes of the FEEDERS and the CONDUITS that connect to the Tenant's Panel Board(s) and equipment. * The RATING and LOCATION of the Over Current Protective Devices protecting those feeders (Ref. VUSBC 109.3)
AFCI FOR REPLACED RECEPTACLES	Where a receptacle outlet is supplied by a branch circuit that requires AFCI protection, please ensure that replacement receptacle at this outlet shall be one of the following: (1) A listed outlet branch circuit type AFCI receptacle; or (2) A receptacle protected by a listed outlet branch circuit type AFCI-type receptacle; or (3) A receptacle protected by a listed combination type AFCI-type circuit breaker. Ref. NEC 2014 Article 406.4(D)(4)
SHOW BRANCH CIRCUITS	Please Identify and show the branch circuits, indicating the size and number of conductors and/or conduits. (Ref. VUSBC 109.3)
OCPD'S RATED UNDER 800A	Where the OCPD is rated 800A or less, the next higher standard OCPD rating (above the ampacity of the conductors) shall be permitted to be used, please ensure that all of the following conditions are met: (1) The conductors being protected are not part of a branch circuit supplying more than one receptacle for cord and plug-connected portable loads; (2) The ampacity of the conductors does not correspond with the standard ampere rating of a fuse or a circuit breaker; (3) The next higher standard rating selected does not exceed 800 amperes. (Ref. NEC 240.4(B))
OCPD'S RATED OVER 800A	Where the OCPD is rated over 800A, the ampacity of the conductors it protects shall be equal to or greater than the rating of the Over Current Device defined in NEC 240.6 (Ref.NEC 240.4(C)) .
CODE MODIFICATION REQUEST	Because the proposed installation, listed below, does not comply specifically with current code requirements, a code modification request must be submitted for review. Please include in the request, details demonstrating equivalence to the spirit and functional intent of current code requirements (VUSBC 106.3). Request may be submitted in letter form to Land Development Services, Commercial Mechanical Plan Review Department, 12055 Government Center Parkway, Suite 316, Fairfax, Virginia 22035-5504, or you may use the following link to complete the code modification request form https://www.fairfaxcounty.gov/landdevelopment/sites/landdevelopment/files/assets/documents/forms/code modifications request.pdf
BRANCH CIRCUIT IDENTIFICATION	Please identify every circuit and circuit modification in a legible manner for its clear, evident, and specific purpose or use. Examples: (1) If architectural floor plan identifies the areas by its use (classroom, conference, lab, etc.), branch circuits serving those areas should correlate on the panel schedule; (2) In large, open office areas with systems furniture, individual or group work stations should be uniquely identified on the floor plan so that the panel schedule can quickly isolate one work station (or a group) without disrupting work on neighboring stations. Circuit labels that only say "system furniture" are generally not accepted. (Ref. NEC Article 408.4 (A) & 90.4.)
CODE MODIFICATION REQUEST REQ.	Because the proposed installation, listed below, does not comply specifically with current code requirements, a code modification request must be submitted for review. Please include in the request, details demonstrating equivalence to the spirit
CONDUCTOR OVERCURNT PROTECTION	Please provide an overcurrent protection device for service conductors that has a rating or setting not higher than the allowable ampacity of the conductor (Ref. NEC Article 230.90(A)). Conductors other than flexible cords, cables, and fixture wires shall be protected against overcurrent, according to their ampacities, specified in NEC Article 310.15(B) unless otherwise permitted or required. (Ref. NEC Article 240.4(A) through (G))
DISCONNECTING SW--APPLIANCE	Please provide a disconnecting means for direct connected appliance (Ref. NEC 422.31)
DUCT OVER ELECTRICAL EQUIPMENT	Mechanical duct work is located above the electrical panelboard(s). Please relocate the duct work or panelboard(s). NEC Article 110.26(E) of the 2011 edition. Ref.IEC 109.3.
ELECTRICAL ENERGY ON CVR SHEET	Please select the appropriate box on the BUILDING PLAN REVIEW COVER SHEET regarding "ELECTRICAL ENERGY COMPLIANCE" or Complete the Electrical Energy Certification Form Forms can be downloaded at https://www.fairfaxcounty.gov/landdevelopment/sites/landdevelopment/files/assets/documents/forms/building-plan-review-cover-sheet.pdf
ELEC ENERGY FORM ON CVR SHEET	Please select the appropriate box on the BUILDING PLAN REVIEW COVER SHEET regarding "ELECTRICAL ENERGY COMPLIANCE."
EQUIP GROUNDING CONDUCTOR SIZE	Please note that copper, Aluminum, or Copper-clad Aluminum equipment ground conductors (EGC) can-not be smaller than the size shown on NEC Table 250.122 based on the size of the OCPD ahead of the Equipment. In no case shall they be required to be larger than the circuit conductors supplying the equipment. (Ref. NEC Article 250.122)

COMPLETE ELECTRICAL PLANS	Please provide (1) set of electrical plans showing the following components of the electrical distribution system, as they apply to this project: * Power Riser Diagram, including sizes of all feeders, * Location, size, and type of the service entrance conductors, * Location and ratings of all distribution panels between the service entrance and the new or modified panels used for this project * An electrical floor plan that includes all the home runs to the panels that feed all devices and electrical equipment within the scope of work for this project. * Panel directory (schedule) of all panelboards directly used for this project--new or existing--as well those that might be feeding them. * Load calculations for all panelboards--existing or new, if connected with this project. * Service or transformer grounding detail that includes the size of the grounding electrode conductors and the available grounding electrodes used. (Ref.VUSBC 109.3)
EMERG LIGHTING UNIT EQUIPMENT	Please feed the unit equipment for emergency lighting from the same branch circuit as that serving the normal lighting in the area and connected ahead of any local switches. (Ref. NEC Article 700.12(F))
EQUIPMENT GND CONDUCTOR SIZE	Please note that copper, Aluminum, or Copper-clad Aluminum equipment ground conductors (EGC) can-not be smaller than the size shown on NEC Table 250.122 based on the size of the OCPD ahead of the Equipment. In no case shall they be required to be larger than the circuit conductors supplying the equipment. (Ref. NEC Article 250.122)
FEEDER CONDUCTOR UNDERSIZED	It appears the feeder conductors to panelboards are undersized. Please ensure that feeder sizes shall comply with NEC Table 310.15(B)(16) and Article 215.2
PROVIDE ELECTRICAL FLOOR PLAN	Please provide an electrical floor plan as required by 2015 VUSBC Section 109.3).
GFI-PROTECTED LOCATIONS	Please verify that all 125-volt, single phase, 15- and 20-ampere receptacles installed in the following locations shall have GFCI protection for personnel: (1) Bathrooms (2) Kitchens (3) Rooftops (4) Outdoors (5) Sinks--when within 1.8m (6 ft) of the outside edge of the sink. (6) Bathtubs & shower stalls--where installed within 1.8m (6 ft) of the of the stall or tub; (7) Laundry areas; (8) Indoor wet locations (9) Locker rooms with associated showering facilities (10) Garages, service bays, and similar areas other than vehicle exhibition halls and showrooms (Ref. NEC 210.8 (A) and(B))
PROVIDE MAINT. RCPT FOR HVAC	Please provide service receptacle(s) for HVAC equipment. If located on a roof top, or outside the building, the receptacle must have GFCI protection and be suitable for a damp or wet location. NEC 2014 Article 210.63; 210.8(B)(3); 406.9.
PROVIDE MAINT RCPT FOR HVAC	Please provide service receptacle(s) for HVAC equipment. (Ref. NEC Article 210.63) If located on a roof top, or outside the building, the receptacle must have GFCI protection and be suitable for a damp or wet location. (Ref. NEC 210.8(B) for GFI requirements).
INFORMATION LACKING	Based on the lack of information provided these comments may not constitute a complete list of requested information. Please note that additional design information is required for review.(Ref. VUSBC 109.3)
INTERSYSTEM BONDING TERMINAL	Please provide an intersystem bonding termination for connecting intersystem bonding conductors required for other systems. It shall be provided external to enclosures at the service equipment or metering equipment enclosure, and at the disconnecting means for any additional buildings or structures. (Ref. NEC Article 250.94)
SHOW LOCATION OF EQUIPMENT	Please identify and show the location of electrical equipment, such as Service Equipment, Disconnecting Means, Tap Boxes, C/T Cabinets, Switchboards, Transformers, Disconnecting Means, Enclosed Breakers, Fused or Unfused Safety Disconnects Motors and Motor Controllers. (Ref. VUSBC 109.3)
LOAD CALCULATIONS REQUIRED	Please provide load calculations for all panelboards used on or directly impacted by this project. (Ref. NEC Article 220) For existing installations, service or feeder loads actual maximum demand shall be permitted. (Ref. NEC Article 220.87) Please include the size of the existing feeders to the panel affected by the project. (Ref. VUSBC 109.3)
SHOW LOCATION OF ELEC EQUIPMNT	Please identify and show the location of electrical equipment, such as Service Equipment, Tap Boxes, CT Cabinets Switchboards, Transformers, Disconnecting Means, Enclosed Breakers, Fused or Unfused Safety Disconnects, Motors. (Ref. VUSBC 109.3)
PROVIDE LUMINAIRE SCHEDULE	Please provide a luminaire schedule. (Ref. VUSBC 109.3 and NEC Article 410)
MAX AVAILABLE FAULT CURRENT	When installations or when modifications to the electrical installation occur that affect the Maximum Available Fault Current (MAFC) at the service, the MAFC shall be verified or re-calculated by the RDP as necessary to insure the service equipment ratings are sufficient for the MAFC at the line terminals of the equipment. A letter, from the electric utility that services the equipment, that certifies the MAFC may be substituted for the required calculation. Either the calculation or the value obtained from the Utility must be included ON the construction plans. Please field mark the MAFC prominently on the Service Equipment. Ref. NEC Article 110.24(A); VUSBC 109.3
MAX AVAILABLE FAULT CURRENT	Please field mark the Maximum Available Fault Current for the Service Equipment. When installations or when modifications to the electrical installation occur that affect the Maximum Available Fault Current (MAFC) at the service, the MAFC shall be verified or re-calculated as necessary to insure the service equipment ratings are sufficient for the MAFC at the line terminals of the equipment. The required field markings shall be adjusted to reflect the new level of MAFC. Please provide the value obtained for MAFC on the plans.(Ref. NEC Article 110.24(A))
MAX NUMBER OF SVC DISC SWITCH	The Service Disconnecting Means for each service permitted by 230.2, or for each set of Service-Entrance Conductors permitted by 230.40, Ex No 1,3,4, or 5 shall consist of NOT MORE THAN (6) switches and sets of circuit breakers mounted in a single enclosure, in a GROUP of single enclosure, or in a switchboard. There shall be no more that (6) sets of disconnects PER service grouped in one location. (Ref.NEC 230.71)
RDP SEAL OR MASTER/CLASS A CTR	The electrical plans shall bear the original seal and signature of a Registered Design Professional licensed in the Commonwealth of Virginia, except where exempted by state law, Code of Virginia under Title 54 Chapter 4 section 1-402. Use of the seal shall comply with Virginia Administrative Code, Title 18, section 10-20-760. Where exempted, the plans may be prepared by a Master Level or Class "A" Electrical Contractor licensed in the Commonwealth of Virginia who will supervise the actual field installation. In this case, the plans shall bear the name of the INDIVIDUAL (not company name) including their occupation, address, and signature. (Ref. 111.1.)

MULTIWIRE SYSTEMS FURN	Please provide a means to disconnect simultaneously all ungrounded conductors at the panelboard where the multi-wire branch circuits originate to power office Systems Furniture partitions. (Ref. NEC Article 210.4, 605.6 and/or 605.7)
CHANGE OF REG DES PROF (RDP)	Whenever the original RDP of record sealing the Mechanical, Electrical or Plumbing (MEP) design withdraws from a project, the NEW RDP taking responsibility for the construction plans must obtain a letter from the original RDP authorizing the use of his or her design. (Ref. Virginia Administrative Code: 18VAC10-20-740F and 18VAC10-20-740G)
NOT AN ELEC FAST TRACK SUBMISS	It appears these plans do not fall under the criteria required for an Fast Track submission--for the electrical discipline only. The Reviwer has determined that more time would be required to complete the electrical review. This will be conducted, in turn, through the standard submission procedures. (Ref VUSBC 109.3)
PIPE(S) ABOVE PANELBOARDS	Mechanical/Plumbing piping is located above the electrical panelboard(s). Relocate the piping or panelboard(s). (Ref. NEC 110.26(E) and ICC 109.3)
SHOW LOCATION OF PANELBOARDS	Please identify and show the location of the electrical panelboards installed new, or re-located (include both original and new locations), modified or demolished by this project. (Ref. ICC 109.3)
PROVIDE PANEL OVRCURNT PROTECT	Please Provide the size and location of the Over Current Protection Device(s) for all panelboard(s) used or impacted by this project. (Ref. VUSBC 109.3: NEC Articles 230.31, 230.70., 240.24, 404, 408, 500 through 517 if located in a hazardous classified location)
PARTIAL POWER RISER DIAGRAM	Please provide a partial riser diagram that includes the following minimum information: * ALL the panelboards serving this tenant--either installed new or existing, that have been modified by the addition or reduction of loads or re-located; include the electrical ratings of the panels. * The size and types of the feeders to these panelboards, including size and type of conduit, number and type of individual conductors, and ground wires; * The source (Service? or Landlord Distribution Eqmt?) of the power to feed the panels above and the Voltage, Current and IC Rating of the Over Current Protection Devices protecting those feeders. * The Schedule of power transformers (if any) feeding the affected panels. Include rating of Primary and Secondary OCPD's and any required secondary Disconnecting Means. NEC 215.5, VUSBC 109.3
PARTIAL POWER DIAGRAM	Please provide a partial riser diagram that includes the following minimum information: * All the panelboards serving this tenant--either installed new or existing, that have been modified by the addition or reduction of loads or re-located; include the electrical ratings of the panels. * The size and types of the feeders to these panelboards, including size and type of conduit, number and type of individual conductors, and ground wires; * The source of the power to feed the panels above and the Voltage, Current and IC Rating of the Overcurrent Protection Devices protecting those feeders. Ref. VUSBC 109.3; and NEC 2014 Art 215.5
BASIC POWER RISER DIAGRAM	Provide a basic POWER RISER DIAGRAM that includes the following minimum components of the Electrical System for this project: * All the NEW or EXISTING Panel Boards serving the Tenant, including those that have been re-located. * The RATING and LOCATION of any Safety Disconnect Switches that serve the Tenant Space. * The RATING, LOCATION and SCHEDULE of any Power Transformer(s) connected to the Tenant's electrical system. * The sizes of the FEEDERS and the CONDUITS that connect the previously mentioned Panel Boards and equipment. * The RATING and LOCATION of the Over Current Protective Devices protecting those feeders (Ref. ICC 109.3)
NON COMPLIANT OR MISSING SEAL	Please provide original seal and wet signature (Not printed or stamped copies) of the registered design professional architect or engineer licensed to practice in the Commonwealth of Virginia. The seal must conform to the 2-in diameter described by DPOR. Reproductions, whether reduced or full size are not acceptable, except as noted below. When certifying a set of drawings, each page must be sealed, Wet Seal-Signed, and dated. However, if the coversheet containing a complete table of contents is certified, and it contains original, Wet Seal-Signed of all the project RDP's, the remaining pages may contain a copy of the seal, signature and date. Section 111.1 of the 2012 edition of the Virginia Construction Code, and section 54.1-410 of the Code of Virginia. Use of the seal shall comply with Virginia Administrative Code, Title 18, section 10-20-760.
NON COMPLIANT OR MISSING SEAL	The Electrical Plans shall bear the original seal and signature of a Registered Design Professional (RDP) in the Commonwealth of Virginia (18VAC10-20-760, section B). For additional information, and specifications for the compliant seals please see section VUSBC 109.3
SIGNED AND SEALED DRAWINGS	The plumbing plans shall bear the original seal and signature of a licensed design professional in the Commonwealth of Virginia, except where exempted by state law, Code of Virginia under Title 54 Chapter 4 section 1-402. Use of the seal shall comply with Virginia Administrative Code, Title 18, Section 10-20-760. When certifying a set of drawings, each page must be sealed, signed and dated. However, if the coversheet containing a full table of contents is certified, the remaining pages may contain a copy of the seal, signature and date. Where exempted, the plans may be prepared by a master level or Class A plumbing contractor licensed in the Commonwealth of Virginia who will supervise the actual field installation. In this case, the plans shall bear the name of the individual (not company name) including their occupation and address.
PANEL DIRECTORY REQUIRED	Please provide a Panelboard Directory (Schedule) for all panelboards used on or impacted by this project, that is, whether it's a brand NEW installation, or a NEW replacement or a revision of an existing one. If the panelboard is a sub-panel, or fed through another, then the schedule(s) for those preceding panels need to be included as well. Ref. VUSBC 109.3; NEC 408.4
PANEL SCHEDULE(S) REQUIRED	Please provide a Panelboard Directory (Schedule) for all panelboards used on or impacted by this project--that is, whether it is an added NEW installation, or a NEW replacement of an existing one, a modification (adding or removing circuits) of an Existing Panelboard. If the panelboard is a sub-panel, or fed through lugs in another, then the schedule(s) for those preceding need to be included as well. (Ref. VUSBC 109.3; NEC 408.4)
SEAL OR MASTER/CLASS A	The electrical plans shall bear the original seal and signature of a licensed Design Professional in the Commonwealth of Virginia, except where exempted by State Law, Code of Virginia under Title 54 Chapter 4 section 1-402. Use of the seal shall comply with Virginia Administrative Code, Title 18, section 10-20-760. Where exempted, the plans may be prepared by a Master Level or Class "A" Electrical Contractor licensed in the Commonwealth of Virginia who will supervise the actual field installation. In this case, the plans shall bear the name of the individual (not company name) including his/her occupation, address, and signature.

SELECTIVE COORDINATION BY RDP	A licensed Professional Engineer or other qualified persons is required to design and select the Selective Coordination of the OCPDs as instructed in the following NEC Sections: * Emergency Systems--700.27; * Optional Standby Systems--701.27; * Elevators--620.62; * Fire Pumps--695.3 * Critical Operations Power Systems--708.54; * Information Technology Equipment--645.27 * Health Care Facilities--517.17 The required documentation is to be included on the construction documents and available for the Field Inspector.
NUMBER OF SERVICES TO BLDG	Please provide information that shows the building or other structure being supplied by only one service, unless permitted by: (A) Special Conditions--Additional services shall be permitted to supply fire pumps, emergency systems, legally required standby systems; optional standby systems, parallel power production systems. (B) Special occupancies (C) Capacity requirements (D) Different characteristics Ref NEC 2014 Article 230.2
NUMBER OF SERVICES TO A BLDG	Please provide information showing the building or other structure is supplied by only ONE service, unless permitted by NEC 230.2(A) through (D): (A) Special Conditions--Additional services shall be permitted to supply fire pumps, emergency systems, legally required standby systems; optional standby systems, parallel power production systems. (B) Special occupancies (C) Capacity requirements (D) Different characteristics (Ref.NEC Article 230.2)
SOURCE OF SUPPLY	All switchboards and panelboards supplied by a feeder in other than one- or two-family dwellings shall be marked to indicate the device or equipment where the power supply originates. (Ref.NEC 408.4(B)).
SOURCE OF SUPPLY MARKING	All Switchboards and Panelboards supplied by a feeder in other than one- or two-family dwellings shall be marked to indicate the device or equipment where the power supply originates.Note: The Electrical Plans must include instructions, with a suggested legend, to affix said marking to all such Switchboards and Panelboards affected by this project. (Ref. VUSBC 109.3 , NEC 408.4 (B)
ACCESS IN MULTI-OCCUPANT BLDGS	In a multiple-occupancy building, EACH occupant shall have access to the occupant's service disconnecting means. Exemption: In a multi-occ. bldg where elec service and maintenance are provided by the bldg mngmt and where these are under continuous bldg mngmt supervision. (Ref. ICC 109.3 NEC 230.72(C)).
DISCONNECTING MEANS FOR SRVCE	Please provide means to disconnect all conductors in a building from the Service Entrance Conductors. NEC 2014 Art 230.70. The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure or inside nearest the point of entrance of the service conductors.NEC 2014 Art 230.70(A)(1). Service disconnecting means SHALL NOT be installed in bathrooms. NEC 2014 Art 230.70(A)(2)
DISCONNECT MEANS FOR SERVICE	Please provide means to disconnect all conductors in a building from the Service Entrance Conductors. NEC 230.70(A)(1) The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure or inside nearest the point of entrance of the service conductors. 230.70(A)(2) Service disconnecting means SHALL NOT be installed in bathrooms. [Ref. NEC 230.70(A)(1) and (2)].
SERVICE GROUNDING	The size of the grounding electrode conductor is determined by the size of the largest service entrance conductor, or equivalent area for parallel conductors (Ref. NEC Table 250.66). Please indicate how the service equipment is grounded by providing the size of the grounding electrode conductor and the type and location of system grounding electrode that it connects to.Please show all the grounding electrodes present and the size of the bonding jumpers connected to the grounding system. (Ref. VUSBC 109.3; NEC Article 250.50)
MARKING OF SERVICE EQUIPMENT	Please mark service equipment rated 1000V or less as "Suitable for use as service equipment". (Ref. NEC Article 230.66) Please use permanent markings to identify each service disconnect. (Ref. NEC Article 230.70(B))
TAPS NOT OVER 10 FT LONG	The POWER RISER DIAGRAM shows that a feeder is being tapped WITHOUT an OCPD connected at the point of the tap. Please note that according to the corresponding FLOOR PLAN, those tap conductors appear to be less than 3m (10 ft) long, in which case the tap conductors must comply with ALL of the following: NEC 240.21(B)(1)(1) through 240.21(B)(1)(4).
TAPS NOT OVER 25 FT LONG	The POWER RISER DIAGRAM shows that a feeder is being tapped WITHOUT an OCPD connected at the point of the tap. Please note that according to the corresponding FLOOR PLAN, those tap conductors appear to be less than 7.5m (25 ft) long, in which case the tap conductors must comply with ALL of the following:NEC 240.21(B)(2)(1) through 240.21(B)(2)(3). Please note that feeder taps over 25 feet in length apply only when the feeder is in a high bay manufacturing building over 35 ft high at walls, and the installation complies with ALL the conditions of NEC 240.21(B)(4)(1) through (B)(4)(9).
TAPS OVER 25 FT LONG	The POWER RISER DIAGRAM shows that a feeder is being tapped WITHOUT an OCPD connected at the point of the tap. Please note that feeder taps over 25 feet in length apply only when the feeder is in a high bay manufacturing building over 35 ft high at walls, and the installation complies with ALL the conditions: NEC 240.21(B)(4)(1) through 240.21(B)(4)(9).
TAPPING A TAP	Please review the tap conductors in the proposed installation-- siad wires appear to be connected to a set of conductors which receive their supply accordance with NEC Article 240.21(A) through (H).
TEMPERATURE LIMIT ON TERMINALS	Please ensure the temperature rating associated with the ampacity of a conductor shall be selected and coordinated so as not to exceed the lowest temperature rating of any connected termination, conductor, or device. Termination provisions of equipment for circuits rated 100 Amperes or less, or marked for #14 AWG Through #1 AWG shall be only for conductors rated 60 degrees C (140 deg. F). (Ref. NEC Article 110.14(C)(1)(a)) Maximum ampacity of conductors rated for 100A or less shall be determined from the 60-degree column of NEC Table 310.15(B)(16), unless the construction documents clearly certify that the terminations in the panelboard are rated for 75 degrees C (167 degrees F). (Ref. NEC 110.14(C)(1)(a))
TRANSFORMER DISCONNECT MEANS	Please provide a disconnecting means for transformer, located either in sight of, or in a remote location. When located in a remote location, the disconnecting means shall be lockable with approved, listed fittings, and the location of aforementioned disconnecting means shall be field marked legibly and permanently at the transformer by approved means. (Ref. ICC 109.3; NEC 450.14)

TRANSFORMER GROUNDING	Please indicate how the transformer is grounded by providing the size of the grounding electrode conductor (GEC), location and type of grounding electrode used. The minimum size of that GEC is to be determined by the derived ungrounded secondary phase conductors. (Ref. NEC Table 250.66.and Article 250.30(A)(5))
OCPD FOR PRIMARY	Please provide over current protection on the Primary side of the transformer. (Ref. NEC Article 450.3)
OCPD FOR SECONDARY	Please provide over current protection on the Secondary side of the transformer. (Ref. NEC Article 450.3)
TAPS FOR A XFORMER (P+S <25FT)	The POWER RISER DIAGRAM shows that a feeder is being tapped WITHOUT an OCPD connected at the point of the tap to supply a power transformer. Please ensure that the proposed tap conductors comply with ALL the following conditions: NEC 240.21(B)(3)(1) through 240.21(B)(3)(5)
ELEC EQMT FRONT WORK CLEARNCE	Please provide the minimum working space Clearance in front of electrical equipment. (Ref. NEC 110.26)