

LUCKY BRAND JEANS EMPIRE OUTLETS
DIVISION 16000-- ELECTRICAL

SECTION 16001 -- BASIC ELECTRICAL REQUIREMENTS

- A. General Conditions
1. Drawings and general provisions of contract, including general and supplementary conditions and all other specification sections, apply to this and the other sections of Division 16000.
 2. The Contractor for this division of work is required to read the specifications and review drawings for all divisions of work and is responsible for the coordination of their work and the work of their subcontractors with other divisions of work. It is this Contractor's responsibility to provide their subcontractors with a complete set of bid documents.
 3. This Contractor is responsible for scheduling the completion and inspection of their work and the work of their subcontractors to comply with the schedule and the project completion date.
 4. This Contractor shall visit the site prior to submittal of bid to determine conditions affecting the work. Any items which are not covered in the bid documents or any proposed substitutions shall be listed separately and qualified in the Contractor's bid.
 5. Submittal of bid shall serve as evidence of knowledge of existing conditions and any modifications that are required to meet the intent of the drawings and specifications. Failure to visit the site does not relieve the Contractor of responsibility in performance or work.
 6. Refer to responsibility schedule for information in regard to responsibility of work or items that may affect bid.

SECTION 16002 -- GENERAL REQUIREMENTS

1. This Contractor shall provide labor, materials, equipment, services, tools, transportation, incidentals and details necessary to provide a complete electrical system as shown on the drawings, called for in the specifications, and as required by job conditions. Work not specifically noted as being by the Landlord shall be provided by the Electrical Contractor. Closely coordinate the entire installation with the Landlord and the Tenant's Project Manager, as required.
2. The drawings and specifications are intended to supplement each other and any material or labor called for in one shall be furnished and installed even though not specifically mentioned in both. Any material or labor which is neither shown on the drawings nor called for in the specifications, but which is obviously necessary to complete the work, and which is usually included in work of similar character, shall be furnished and installed as part of contract.
3. Where the drawings or specifications call for items that exceed codes or the Landlord's tenant criteria, the Contractor is responsible for furnishing and installing the system with the more stringent requirements as designed and described on these drawings, unless specifically noted otherwise.
4. Electrical work shall be installed to be readily accessible for operating, servicing, maintaining, and repairing. This Contractor is responsible for providing access panels for sufficient service access to equipment.
5. Work shall be performed in a neat professional manner using good engineering and construction practices.
6. Unless specifically noted otherwise, materials, products and equipment, including all components thereof, shall be new, Underwriters Laboratories listed and labeled and sized in conformity with requirements of state and local codes, whichever is more stringent.
7. Comply with NECA 1 for common requirements of electrical installations.

SECTION 16003 -- CODES

1. Work shall conform to the Landlord's criteria, state, county, city and local codes and ordinances, safety and health codes, NFPA codes, energy codes and all other applicable codes and requirements. This Contractor shall inquire into and comply with all applicable codes, ordinances, and regulations. This Contractor shall include any changes required by codes in the bid and if these changes are not included in the bid, they must be qualified as a separate line item in the bid. After contract is issued, no additional cost due to code issues shall be reimbursed by Tenants to the Contractor.

SECTION 16004 -- LICENSES, PERMITS, INSPECTIONS AND FEES

1. This Contractor shall obtain and pay for licenses, permits, inspections, and fees required or related to their work.
2. Furnish to Tenant's Project Manager all certificates of inspection and final inspection approval at completion of project.

SECTION 16005 -- TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS

1. Where trade names and manufacturers are used on the drawings or in the specifications, the exact equipment shall be used as a minimum for the base bid. Manufacturers considered as an equal or better in all aspects that specified will be subject to approval in writing by Tenant's Project Manager through prior shop drawing submittal process, for acceptance. The use of any unauthorized equipment shall be subject to removal and replacement at the Contractor's expense.
2. Electrical Contractor shall submit only substitution requests to Tenant's Project Manager for approval. Submissions shall be made early enough in project to allow four (4) working days for Tenant's Project Manager review without causing delays or conflicts to the job's progress. Submittals shall bear the stamp of General Contractor and the subcontractor showing that they have reviewed and confirmed that the submittals are in conformance with the contract drawings and specifications and indicate where exceptions have been taken.

SECTION 16006 -- GUARANTEE

1. This Contractor shall guarantee materials and work provided under their contract and shall make good, repair or replace at their own expense, any defective work, material, or equipment which may be discovered within a period of 12 months from the date of acceptance (in writing) of the installation by Tenant's Project Manager. Extended warranties are as specified with individual equipment.

SECTION 16007 -- RECORD DRAWINGS

1. This Contractor shall maintain one copy of drawings on the job site to record deviations from contract drawings, such as:
a. Location of concealed conduit and wiring.
b. Location of junction boxes.
c. Revisions, addendums, and change orders, significant deviations made necessary by field conditions, approved equipment substitutions, and Contractor's coordination with other trades.
2. At completion of the project and before final approval, the Contractor shall make any final corrections to drawings and certify the accuracy of each print by signature thereon. One copy of the most recent set of drawings with temperature control drawings included shall be delivered to Tenant's Project Manager.

SECTION 16008 -- DISCREPANCIES IN DOCUMENTS

1. Drawings (plans, specifications, and details) are diagrammatic and indicate the general location and intent of the electrical system. Where drawings, existing site conditions, specifications or other trades conflict or are unclear, advise Tenant's Project Manager, in writing, of variations to contract documents prior to submission of bid. Otherwise, Tenant's Project Manager's interpretation of contract documents or conditions shall be final with no additional compensation permitted.

SECTION 16009 -- DEMOLITION

1. This Contractor shall be responsible for the coordination of the demolition of existing work and the demolition provided by the General Contractor. Coordinate with the General Contractor any existing equipment required to be left intact.
2. Electrical Contractor shall verify scope of work with the General Contractor for the removal of all existing light fixtures, receptacles, switches, etc. not being reused on this project, unless specifically noted otherwise. Contractor must verify with the Landlord all presumed abandoned equipment prior to removal.
3. Extraneous items in the space or on the roof not applicable to the new work must be removed and roof/wall/floor patched/repared to match existing structure. Existing abandoned conduits or equipment in the floor, embedded in concrete, or otherwise inaccessible are to be cut off and sealed below or within floor or wall level when they are not be reused in this project. If required by Landlord or codes, abandoned conduit must be removed to point of origin. Confirm the extent of demolition with the General Contractor and Tenant prior to bid and include in bid proposal as directed by the General Contractor and Tenants. All unused existing plenum rated cabling is to be removed completely.

SECTION 16010 -- CUTTING AND PATCHING

1. This Contractor shall perform cutting and patching as required for the installation of the work under this specification. No cutting of the structure shall be permitted without written approval of the Landlord and Architect or Engineer.
2. Patching shall be of the same workmanship, material and finish and shall match accurately all surrounding construction in a manner satisfactory to the Architect and Tenant's Project Manager.
3. Existing utilities, etc. that are damaged during the construction period, whether or not due to the Contractor's negligence shall be repaired or replaced by the Contractor and left in a condition suitable to the Landlord and Tenant's Project Manager.

SECTION 16011 -- SLEEVES

1. This Contractor shall provide sleeves to protect equipment or utilities in the installation. Each sleeve shall extend through its respective floor, wall or partition and shall be cut flush with each surface except sleeves that penetrate the floor, which shall extend 2-inches above the floor. Contractor must coordinate through the Landlord any core drilling or cutting of openings in masonry floors or walls.
2. Sleeves and openings through fire-rated wall and/or floors shall be fire sealed with calcium silicate, silicon, RTV, or heavy 3M fire rated sealants or equal, so as to retain their fire rating.
3. Sleeves in masonry and masonry walls, floors, and partitions shall be standard weight steel pipe finished with smooth edges. For other than masonry partitions, through suspended ceilings, or for concealed vertical piping, sleeves shall be No. 22 U.S.G. galvanized steel minimum.

SECTION 16012 -- HANGERS

1. Hangers shall include all miscellaneous steel such as angle iron, bands, c-clamps with retaining clips, channels, hanger rods, etc., necessary for the installation of work.
2. Hangers shall be fastened to building steel, concrete, or masonry, but not to piping. Hanging from metal deck is not permitted. Hangers must be attached to upper chord of bar joist. Where interferences occur, and in order to support conduit or boxes, the Contractor must install trapeze type hangers or supports which shall be located where they do not interfere with access to fire dampers, valves, and other equipment. Hanger types and installation methods are also subject to Landlord criteria.

DIVISION 16200 - ELECTRICAL

SECTION 16201 -- SUMMARY OF WORK

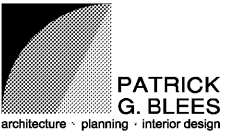
1. This Contractor shall furnish labor, materials, equipment, etc. necessary for reasonably implied and incidental to the furnishing, installation, completion and testing of all the work for the electrical system as called for in the specifications, and as required by job conditions, to include, but not be limited to the following:
a. Work in the Landlord's main distribution equipment room shall be as indicated, and/or required, by extending service to the leased space.
b. Complete power and lighting distribution systems including all panels and complete branch circuit wiring system.
c. Complete lighting fixture installation, including aiming and adjusting of light fixtures.
d. Complete telephone conduit system, including service conduit from point of connection to Landlord's system and all terminal devices, boxes, conduit, plates, etc.
e. Temporary electrical service as required for construction.
f. Wiring and final connection to all signs and graphics, furnished by the Owner.
g. Provisions for fire alarm/smoke evacuation system and extension to Landlord's system (if applicable).
h. Testing of cables and circuit wiring after installation.
i. Testing of electrical equipment.
j. Warranty of all work for a period of one year from date of project close-out.
2. Provide electrical service as indicated on the drawing. Work not specifically noted as being by the Landlord or the power company shall be provided by the Electrical Contractor. Closely coordinate entire installation with the Landlord and the power company. Contractor shall make arrangements with the local utility company for installation of metering as required by the Landlord.
3. Contractor shall make arrangements with the local telephone utility for telephone service to the space. Conduit system for telephone, distributed to the leased premises shall be provided where required by utility company wires. Coordinate installation of telephone work and in all conduit (required by Landlord or local code) for telephone system within the leased space. Outlet boxes shall be 4-inch square minimum with single service cover and telephone plate.
4. Furnish labor, materials, equipment and tools to perform electrical work shown, noted or scheduled for complete and finished installation.

SECTION 16202 -- MATERIALS

- A. Materials, products and equipment, including components thereof, shall be new and such as appear on the Underwriter's Laboratory list of approved items and shall meet the requirements of recognized standards.
- B. Conduit shall be standard steel, IMC or EMT (thin wall) according to code requirements. Conduit shall be concealed in finished areas, except as otherwise approved by Tenant's Project Manager. EMT connections shall be compression type. Minimum sizes of conduit shall be 3/4-inch, except 1/2-inch for switch legs. EMT shall be galvanized or electro-galvanized. EMT shall be used for feeders and branch circuits run above the suspended ceiling or concealed in interior partitions. EMT shall not be concealed in poured concrete floor or walls. Use IMC for under slab installations. IMC is permitted with screw connections. Flexible metallic tubing may be used in lieu of EMT for concealed branch circuit wiring only, where permitted by local authorities. Flexible metal conduit may be used only for short connections to fixtures and equipment, as permitted by code.
- C. Conductors shall be soft drawn, annealed copper, with 600 Volt insulation:
1. #10 and smaller - solid. #8 and larger - stranded. Minimum wire size shall be #12, except #14 may be used for control applications.
2. Wire and cable shall be new and shall be brought to the site in unbroken packages.
3. General wiring shall have THHN-THWN insulation.
4. Aluminum conductors, Romex or BX are not permitted.
5. Wire connectors shall be equal to 3M ScotchLok for #8 and smaller, and T&B Lock-Tite for #6 and larger.
6. Wires shall be color coded in keeping with Landlord's convention and local codes.
- D. Outlet boxes and covers shall be one piece, galvanized or Sherardized steel, 4-inch x 4-inch, knock-out type with fixture studs as required. Junction boxes, pull boxes and covers shall be galvanized steel, code gauge and size. Provide steel mud-rings in gang count and depth as required for device and wall finish.
- E. WIRING DEVICES
1. Receptacles in sales area are to be white devices with white coverplates. They shall be specification grade with a minimum rating of 20 amps. Devices and coverplates to be manufactured by Hubbell. Equals by Leviton or Cooper Wiring Devices.
Duplex receptacle: Hubbell #5262
Quadraplex receptacle: (2) Hubbell #5262
Under one (2-gang type) coverplate
Isolated ground receptacle: Hubbell #IG-5262
Quadraplex isolated receptacle: (2) Hubbell #IG-5262
Under one (2-gang type) coverplate
Weatherproof receptacle: Hubbell #GF-5262-1
with "WP26" aluminum coverplate
SPST switch: Hubbell #HBL-1221
DPST switch: Hubbell #HBL-1222
Three-way switch: Hubbell #HBL-1223
- F. This Contractor shall provide, install and connect a complete system of grounding for all equipment and structures. A good mechanical and electrical connections shall be made with approved grounding connections. Electrical system and equipment grounds shall comply with local, state and NEC codes and regulations. Panels, conduit systems, motor frames, lighting fixtures and

other equipment that are a part of this installation shall be securely grounded both mechanically and electrically in accordance with all codes. Main grounding system shall be sized to conform to the NEC. Provide conduit to protect ground wire from damage to a height of 8 feet above floor. Make joints and connections of the conduit system tight to maintain continuity of mechanical and electrical ground throughout entire system. Ground three wire receptacles to the outlet boxes. Ground neutral from the transformer connected to building steel with exothermic weld. Ground conductor shall be supplied with non-metallic conduit. A separate isolated, insulated ground system shall be installed for electronic cash registers, back to tenant panelboard.

- G. Panelboards shall be standard dead-front construction with size and number of single and multi-pole bolt-on branch breakers as indicated on the panel schedule, and with main breaker and/or main lugs as indicated on the drawings. Panel bussing shall be copper. Panelboards shall be complete with trim, door, concealed hinges, flush lock, direct frame and neatly typed completed directory cards. Panelboards shall have distributed bussing and sequence numbering with no two consecutive circuit numbers tied to the same bus or phase. Panels and breakers shall be equal to or equal and installed by the Electrical Contractor. Conduit breakers used for control of lighting circuits shall be "SWD" rated.
- H. Dry type step-down transformers shall have NEMA Class F insulation on units below 30 kVA and NEMA Class H insulation on units 30 kVA and above. Transformers to be general purpose ventilated type with aluminum windings.
- I. Disconnect switches and combination starter disconnect switches shall be heavy duty type, 600 Volt rated, quick-make/quick-break, weatherproof (where applicable) fused/non-fused as shown on the drawings. Switches used for service entrance shall be "SE" rated. Starters shall be minimum NEMA size. Disconnect switches and combination starter disconnect switches shall be Square-D.
- J. Lighting contactors shall be Square-D, GE or Cutler Hammer. Contactors shall be rated for the load to be installed with 120 Volt coils and enough poles/contactors to provide control as called for on drawings.
- K. Electrical Contractor shall provide electric service and make connections to the HVAC equipment, signs and grille motors (if applicable) as shown on the drawings.
- L. The isolated circuit outlets at cash wrap areas shall be clearly and completely marked for unmistakable identification by the Owner's employees.
- M. Temporary wiring shall be removed when work is completed.
- N. No conduit shall be run through HVAC ducts.
- O. Identification: On each piece of equipment, install unique designation label that is consistent with wiring diagrams and schedules. Apply labels to disconnect switches and protection equipment, control panels, control stations, terminal cabinets, and racks of each system.
- P. FINALLY
1. It is the intent that the foregoing work shall be completed in every respect and that any material or work not specifically mentioned or shown on the drawings but necessary to fully complete the work shall be furnished. The location of receptacles and fixtures shown on the drawing are approximate and the Owner shall have the right to relocate any receptacles or fixtures before they are installed, without additional cost.
- Q. LIGHTING FIXTURES
1. The Electrical Contractor shall be responsible for the unloading and storage and shall notify tenant of items found to be defective.
 2. The Electrical Contractor shall provide the necessary labor and materials for complete installation of the lighting fixtures as indicated on the drawings.
 3. Fluorescent lamps shall be as per light fixture schedule.
 4. See drawing for light fixture description and mounting height.
 5. Track fixtures will be furnished with track connectors, and other accessories as appropriate. Cut track to length shown on drawing. Match track color with fixture colors. Provide additional hardware as required for a complete installation in accordance with manufacturer's recommendation.
 6. Leave protective film in place on fixtures until final clean-up.
- R. TELEPHONE SYSTEM
1. Continuous raceway system including wall plates is furnished and installed by General Contractor's Electrical Contractor.
 2. Telephone system is provided by local telephone company.
 3. Telephone instruments are provided by Tenant.



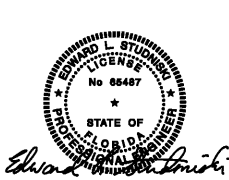
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Project No. 08595

SEAL:



04/03/2019
DATE ISSUED
65487
REG. NO.

LUCKY BRAND

DANIA POINTE

1763 POINTE BLVD
DANIA BEACH, FL
33004

SPACE #M115

SPECIALTY

SHEET TITLE:
ELECTRICAL SPECIFICATIONS

REVISIONS:
ORIGINAL ISSUE: 01.17.19
NO. 1 DATE: 04/03/19 BY: BLDG

PROJECT NO: 18028.008
DRAWN BY: ALH

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