# NEW CONSTRUCTION OF: Vanilla shell Comercial Building 1490 Fairbanks Ave, Winter Park Florida

# Scope of Work

These construction documents indicate a scope of work for the construction of a one story 6,885 square foot building. The space will be vanilla shell, to be developed later under seperate permits.

## **General Notes and Requirements**

1. These documents design and specifications are the exclusive property of PNM Architecture (the Architect). Reproduction in any form without the expressed written permission of PNM Architecture is strictly prohibited.

2. PNM Architecture (the Architect) does not exercise control, and shall not be responsible for any construction means, methods, techniques, sequences or procedures, or for safety practices in connection with the work. Furthermore PNM Architecture (the Architect) does not hold any liability for acts or omissions of the Contractor, Sub-Contractors or any other persons performing any work, or for the failure of any of them to carry out the work in accordance with these documents and all governing statutes.

3. All work shall comply with the 2017 Florida Building Code and all other applicable rules and regulations.

4. The General Contractor and all Sub-Contractors shall verify all conditions, details and dimensions before proceeding with work, and shall be responsible for coordination of that work. The Architect shall be notified immediately of any discrepancies.

5. Drawing dimensions should be followed and scaling of drawings avoided. Dimensions supersede scale on drawings.

6. It is intended that all work be of the highest quality, and performed by accomplished craftsmen in a workmanlike manner using accepted practices and methods appropriate to the trade involved.

7. All products and materials shall be installed as per manufacturer's instruction and specifications unless specifically otherwise directed by the Architect.

8. The General Contractor, Sub-Contractors and Suppliers shall be responsible for coordinating their work and certifying that their products and installations meet the Florida Building Code, the Florida Accessibility Code as well as all applicable government statutes.

9. The General Contractor shall be responsible for obtaining all applicable permits and providing the Owner with all applicable certificates, operating manuals, warranties, etc. prior to occupancy.

10. All work in question including materials, finishes and colors shall be coordinated with appointed project manager.

11. Sub-Contractors and suppliers may submit alternate bids for similar or equal systems, equipment or materials for approval. These alternates shall be clearly indicated and separated from the base bid. The suggested changes should provide the same quality or workmanship and not diminish the function of the item or trade.

Provide non-slip surfaces at all areas continually exposed to moisture or surface water. 13. All fabricated items shall be made from field measurements. Provide shop drawings or

submittals for approval prior to fabrication and installation.

14. Fire sprinkler and alarm supplier shall be responsible for submitting plans and obtaining all applicable permits for all required fire sprinkler system modifications and additions.

15. Mechanical and Electrical Contractors shall be responsible for providing appropriate details and specifications of all penetrations through fire-rated construction as may be required by the building official.

16. All Contractors are required, before submitting their proposals, to visit the site of the proposed work and completely familiarize themselves with the scope and nature of the work. Any existing conditions that may in any manner affect their work should be ascertained regardless of whether it ÿ°÷ÿÿ·øÿÿ«!P...^"ÿ°÷ÿÿ·øÿÿbÊ"ôO½ÿ°÷ÿÿ·øÿÿbÊ"ôO½is indicwork. Ani<sup>3</sup>vAwwork. Ani<sup>3</sup>vAwated on the drawings. Any oversight or omission to identify existing condition which may affect scope of work is Contractor(s) responsibility.

17. All Contractors are required to examine carefully the drawings, specification and other documents to inform themselves thoroughly regarding any and all conditions and requirements that may in any manner affect the work.

18. All contractors shall not avail themselves of any unintentional error or omission and shall be charged with the responsibility of furnishing a complete portion of this contract according to the reasonably implied spirit and intent of the drawings. Change orders will not be granted after the General Contractor's contract is signed, unless they can be substantiated as an unforeseeable item beyond the general intent and scope of the work.

19. Structural steel supplier shall provide shop drawings based on these Plans for all steel items indicated herein including the roof access ladder for approval prior to fabrication.

20. Signage supplier/contractor shall be responsible for submitting plans and obtaining all applicable permits for signage components as required to meet code.

#### **TERMITE PROTECTION**

1. TERMITE PRETREATMENT SHALL CONSIST OF CHEMICAL SOIL TREATMENT. THE BORA-CARE TERMICIDE TREATMENT SHALL BE REGISTERED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES AS REQUIRED BY THE FLORIDA BUILDING CODE 2014 EDITION - SECTION 1816..

2. UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY MAY BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES, THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

Site Address 1490 W Fairbanks ave Winter Park, Florida

**Building Code(s)** Building Code - FBC 2017 (6th edition) Fire Code - FFPC 2017 \*Fire Code - NFPA 1 2015 \*Life Safety Code - NFPA 101 2015 Plumbing Code - FBPC 2017 Mechanical Code - FBMC 2017 Electrical Code - NEC 2014

Administrative Code - FAC Florida Statues - FS

Accessory Code - FBC 2017

\* indicates with Florida Admendments

**Building Data** 

Occupancy Classification - ----- MERCANTILE (future) Occupant Load ----- 132 Occupant Load per FFPC (NFPA 101):-----196 Construction Type ------ IIB TOTAL BUILDING AREA ------ 6,885 SF including covered front/ back canopies

\*New Tenant spaces to be vanilla shell interiors to be developed later.

# INDEX OF SHEETS 🖄 SHEET DESCRIPTION COVER SHEET VINICITY PLAN GENERAL NOTES UPDATED SITE PLAN UPDATED LIFE SAFETY PLANUPDATED A2 FLOOR PLANupdated ELEVATIONS UPDATED BUILDING SECTIONSUPDATED NALL Roof SECTIONS PLAN AND SCUPPER DETAILS UPDATED DOOR AND WINDOW SCHEDULE UPDATED ROOM FINISH STAIR DET & TOILET PLAN/ELEVUPDATED A10 TRUCTURAL GENERAL NOTES OUNDATION PLAN UPDATED S2.1 ROOF FRAMINGU OUNDATION DETAILS UPDATED STEEL FRAMING DETAILS UPDATED LIGHTING LIGHTING DETAILS SITF LECTRICAL PLAN UPDATED LECTRICAL NOTES PDATED MECHANICA M2



# **Building** area

AREA

A) inclosed building area	6 <i>,</i> 400 S.F.
B) back covered exit walkway	109 S.F.
C) front (Fairbanks) canopy area	121 S.F.
D) back teant canopy area	255 S.F.
Total building area	6,885 S.F.

Potential future mezzinanes\* if done will be under future permit applications....1,530 S.F.

\* Mezzanines as defined by 505.2.

A mezzanine or mezzanines in compliance with Section 505.2 shall be considered a portion of the story below. Such mezzanines shall not contribute to either the building area or number of stories as

regulated by Section 503.1. The area of the mezzanine shall be included in determining the fire area. The clear height above and below the mezzanine floor construction shall be not less than 7 feet.

# Code Analysis

Allowable Height as per FBC table 504.3 and 504.4 for M occupancy Type IIB construction ----- 55 feet Type IIB construction ---- 2 stories

Allowable Area as per FBC table 506.2.for M occupancy ----12,500 sf Type IIB construction -----

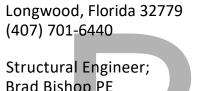
Proposed total building area of 6,885 SF is less than allowable area of 12,500 SF

Proposed building is 1 stories, which is less than allowable 2 stories

## Proposed building is 29-11 1/4" height, which is less than allowable 55' **Project Team Members**

Architect: Paul N Medley PNM Architecture

101 Smokerise blvd Longwood, Florida 32779









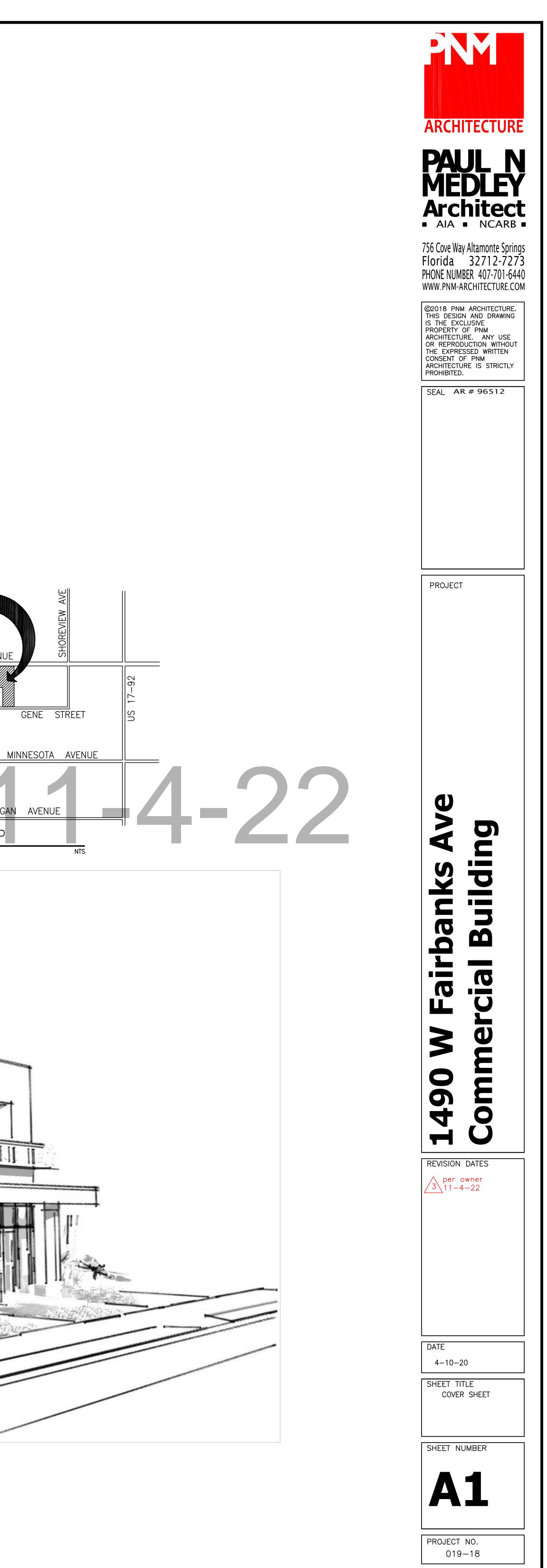
PROJECT LOCATION

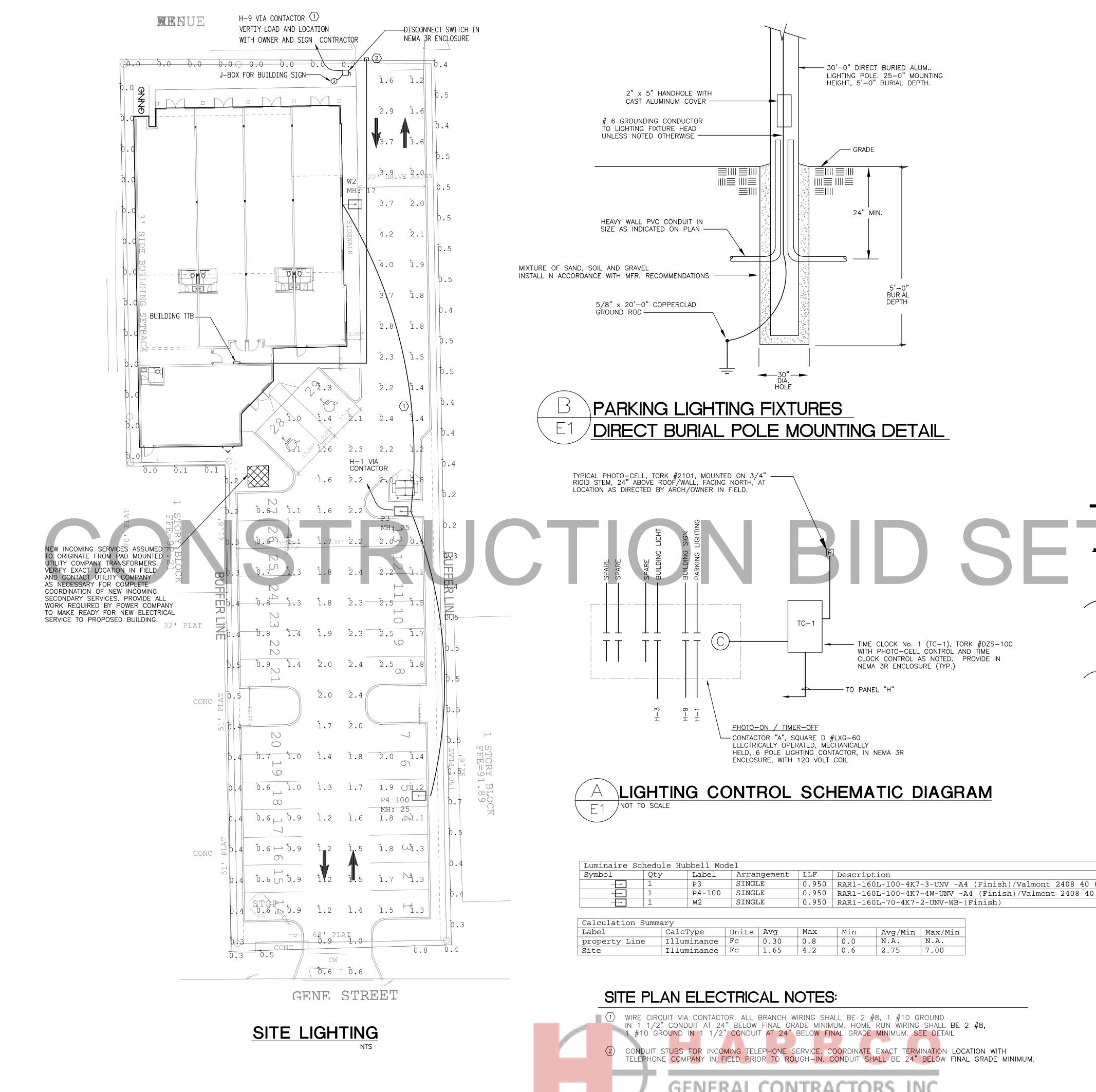
FAIRBANKS AVENUE

GENE STREET

AVENUE







# GENERAL CONTRACTORS, INC.

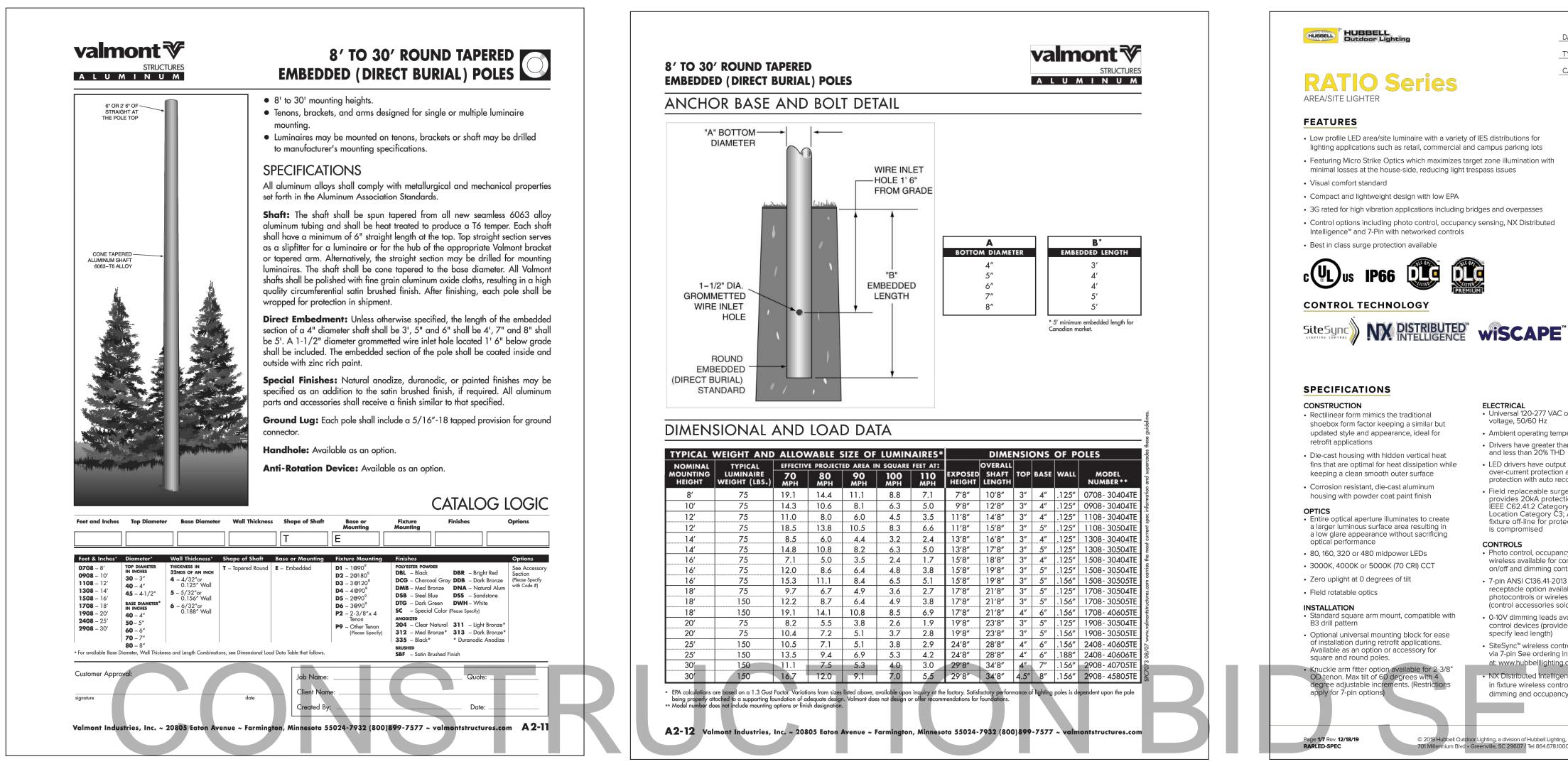
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NO	FE: NOT ALL SYMBOLS MAY BE USED.	
$\bigotimes$	EMERGENCY BATTERY EXIT LIGHTING FIXTURE UNIT	ARCHITECTURE
4_4	EMERGENCY BATTERY UNIT LIGHTING FIXTURE - WALL MOUNTED	ANCINICTIONE
<del>{}</del>	SINGLE POLE TOGGLE SWITCH – MOUNTED 42" AFF TO CENTERLINE UNLESS OTHERWISE NOTED (3) 3 WAY (D) DIMMER SWITCH	PAUL N
⇔	(DLS) DUAL LEVEL SWITCHING DUPLEX RECEPTACLE – MOUNTED 18" AFF TO CENTERLINE UNLESS NOTED OTHERWISE (GFI) GROUND FAULT INTERRUPTING (REF) REFRIGERATOR (WP) WEATHERPROOF	MEDLEY
$\blacksquare$	(WP) WEATHERPROOF DOUBLE DUPLEX RECEPTACLE – MOUNTED 18" AFF TO CENTERLINE UNLESS NOTED OTHERWISE	Architect
-	DUPLEX RECEPTACLE – MOUNTED 6" ABOVE COUNTER BACKSPLASH UNLESS NOTED OTHERWISE	756 Cove Way Altamonte Springs
$\Leftrightarrow$	WALL MOUNTED OCCUPANCY SENSOR BY "WATTSTOPPER" PROVIDE DUAL TECHNOLOGY, MODEL "DW-100, DW-103, OR DW-200" SERIES CONTROLS. MOUNT 48" AFF U.O.N.	Florida 32712-7273 PHONE NUMBER 407-701-6440
	CEILING MOUNTED OCCUPANCY SENSOR BY "WATTSTOPPER" PROVIDE DUAL TECHNOLOGY, MODEL "DT-300" SERIES WITH BZ-100 POWER PACKS AS REQUIRED UNLESS OTHERWISE NOTED.	©2014 PNM ARCHITECTURE.
	COMMUNICATIONS/DATA OUTLET – MOUNTED 18" AFF TO C.L. U.N.O.–STUB ONE (1) 3/4" CONDUIT WITH PULL STRING TO TELEPHONE TERMINAL BOARD "TTB". PROVIDE 2 GANG BOX WITH ONE GANG RING (TYPICAL).	THIS DESIGN AND DRAWING IS THE EXCLUSIVE PROPERTY OF PNM ARCHITECTURE. ANY USE OR REPRODUCTION WITHOUT
€	SINGLE POLE TOGGLE SWITCH AND DUPLEX RECEPTACLE IN COMBINATION MOUNTED 42" AFF TO CENTERLINE UNLESS OTHERWISE NOTED	THE EXPRESSED WRITTEN CONSENT OF PNM ARCHITECTURE IS STRICTLY PROHIBITED.
θ	DUPLEX RECEPTACLE – FLUSH MOUNTED IN CEILING UNLESS NOTED OTHERWISE	SEAL
₿	DUPLEX RECEPTACLE – FLUSH MOUNTED IN FLOOR UNLESS NOTED OTHERWISE	
۵ ۵	SPECIAL PURPOSE OUTLET OR CONNECTION	
У Н	FUSIBLE DISCONNECT SWITCH	
$\bigcirc$	JUNCTION BOX	MOHAMED GHAZALL PE— 46169
	TELEPHONE TERMINAL BOARD - 4'x 8'x 3/4" PLYWOOD BACKBOARD. STUB (1) 3" C. WITH PULL STRING TO TELEPHONE ENTRANCE DEMARCATION LOCATION. NDICATES TELEPHONE TERMINAL BOARD) ELECTRICAL PANEL NDICATES DESIGNATION) SEE NOTE SYMBOL	PROJECT VANILLA SHELL COMMERCIAL BUILDING. 1490 FAIRBANKS AVE. WINTER PARK, FL
	SOLID LINE INDICATES EQUIPMENT ON COMMON CIRCUIT AND/ OR CONTROLLED BY COMMON SWITCH. EACH CIRCUIT SHALL CONSIST OF A PHASE CONDUCTOR, NEUTRAL AND GROUND CONDUCTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY SWITCH LEGS IN CONDUIT TO ACHIEVE SWITCHING INDICATED ON PLANS. ELECTRICAL CONTRACTOR MAY COMBINE CIRCUITS INTO A COMMON HOMERUN CONSISTING OF A COMMON NEUTRAL AND GROUND CONDUCTOR AND THREE (3) PHASE CONDUCTORS (A, B, AND C PHASE). DOTTED LINE INDICATES EQUIPMENT ON A COMMON CIRCUIT BUT NOT CONTROLLED ON SAME SWITCH DEVICE.	
		REVISION DATES
1. A T A 2. N U W	ERAL ELECTRICAL NOTES: LL SITE LIGHTING SHOWN SHALL BE COORDINATED WITH THE CIVIL DRAWINGS. HE CONTRACTOR SHALL COORDINATE HIS WORK AS NECESSARY TO WIRE LL FIXTURES AS NEEDED FOR A COMPLETE AND OPERABLE SYSTEM. EW INCOMING ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE CIVIL RAWINGS. THE CONTRACTOR SHALL COORDINATE ALL NEW ELECTRICAL SERVICE ORK AS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM AS SHOWN EREIN. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION AND OORDINATION REQUIREMENTS.	
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	Mohamed Ghazall Date: 2020.10.07 10:20:58 -04'00'	SHEET TITLE
	MOHAMED GHAZALL, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 46169. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY MOHAMED GHAZALL, PE, ON 10/06/2020 USING A DIGITAL DIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	sheet number
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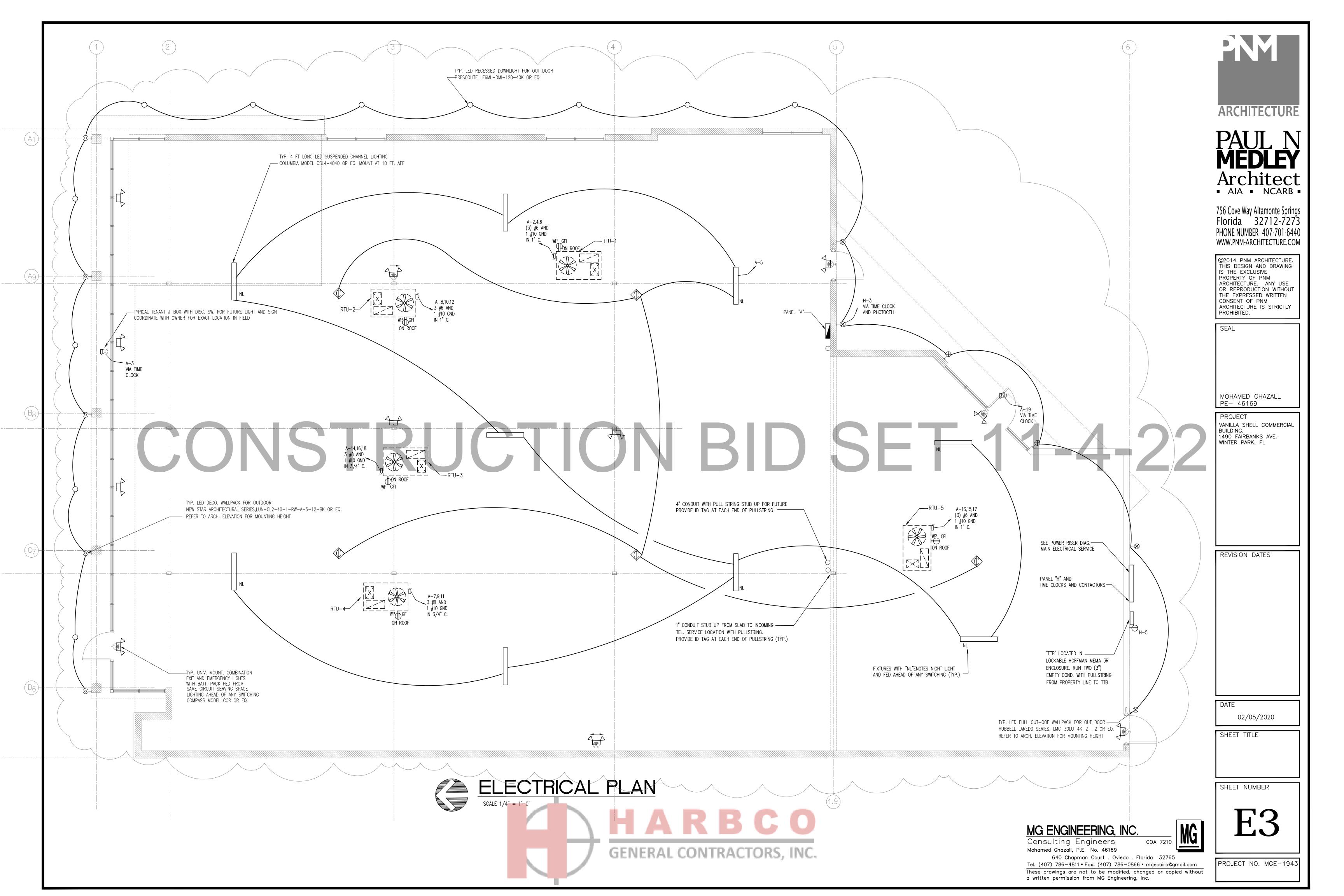
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PNM





DATE: TYPE:	PROJECT:		
CATALOG #:			ARCHITECTURE
		& PHOTOMETRY	PAUL N MEDLEY
6	RELATED PRODUCTS         Airo       Ø Cimarron LED       Ø Ratio Family	& RATIO BROCHURE	Architect
м		& RARI/RAR2 PSG	756 Cove Way Altamonte Springs Florida 32712-7273 PHONE NUMBER 407-701-6440 WWW.PNM-ARCHITECTURE.COM
or 347-480 VAC ir perature -40°C to 4 an 90% power fac ) t power over-volta and short circuit covery	40°C control module, features dimming and occupancy sensor via 7-pin tor CERTIFICATIONS • DLC® (DesignLights Consortium Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific	PAGE & INSTALLATION INSTRUCTIONS	©2014 PNM ARCHITECTURE. THIS DESIGN AND DRAWING IS THE EXCLUSIVE PROPERTY OF PNM ARCHITECTURE. ANY USE OR REPRODUCTION WITHOUT THE EXPRESSED WRITTEN CONSENT OF PNM ARCHITECTURE IS STRICTLY PROHIBITED.
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# **GENERAL PROJECT NOTES:**

THE COMPLETE ELECTRICAL INSTALLATION SHALL COMPLY WITH NFPA 70-

2014, NATIONAL ELECTRICAL CODE AND F.B.C. 6 TH EDITION , 2017.

EQUIPMENT/SYSTEM IDENTIFICATION

INSTALL ENGRAVED PLASTIC LAMINATE SIGN ON EACH MAJOR UNIT OF ELECTRICAL EQUIPMENT. EXCEPT AS OTHERWISE INDICATED, PROVIDE SINGLE LINE OF TEXT, 1/2 INCH HIGH LETTERING ON 1-1/2 INCH HIGH SIGN (2 INCH HIGH WHERE 2 LINES ARE REQUIRED), WHITE LETTERING IN BLACK FIELD. PROVIDE TEXT MATCHING TERMINOLOGY AND NUMBERING OF THE CONTRACT DOCUMENTS AND SHOP DRAWINGS.

PROVIDE SIGNS FOR EACH UNIT OF THE FOLLOWING CATEGORIES OF ELECTRICAL WORK:



INSCRIPTIONS SHALL INDICATE THE DEVICE SERVED I.E. "PANEL LI", "HVAC UNIT #1", ETC.

UPDATE PANELBOARD DIRECTORIES TO ACCURATELY INDICATE NEW EQUIPMENT BEING SERVED AND EQUIPMENT BEING REMOVED.

TWO-SIDED TAPE AND DYNAMO TYPE ADHESIVES ARE NOT ACCEPTABLE.

ELECTRICAL DEMOLITION AND ALTERATIONS

THE EXISTING BUILDING IS TO REMAIN IN OPERATION DURING CONSTRUCTION. COORDINATE ALL WORK THAT WILL INTERFERE WITH THE PRESENT OPERATION OF THE FACILITY WITH THE OWNER.

PROVIDE ALL CORING THAT IS REQUIRED FOR ELECTRICAL WORK. OBTAIN PRIOR APPROVAL FROM THE ARCHITECT/ENGINEER IF ANY CORING IS REQUIRED THROUGH STRUCTURAL MEMBERS.

ALL CONDUIT AND WIRING REQUIRED IN EXISTING CONSTRUCTION SHALL BE CONCEALED EXCEPT CONDUIT MAY BE RUN EXPOSED IN UNFINISHED ROOMS SUCH AS EQUIPMENT AND MECHANICAL ROOMS. PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR ELECTRICAL WORK.

ELECTRICAL METALLIC TUBING (EMT)

FS WW-C-563. ANSI C80.3 AND UL 797. MINIMUM CONDUIT SIZE 1/2 INCH. ANSI C80.4, STEEL FITTINGS

THREADED, INSULATED THROAT, GLAND COMPRESSION OR SET SCREW TYPE. RAIN AND CONCRETE TIGHT. DIECAST FITTINGS ARE NOT ACCEPTABLE.

LIQUID-TIGHT FLEXIBLE CONDUIT

PROVIDE UL-LISTED LIQUID-TIGHT FLEXIBLE METAL CONDUIT. MINIMUM SIZE 1/2 INCH. PROVIDE CADMIUM PLATED MALLEABLE IRON FITTINGS WITH COMPRESSION TYPE STEEL FERRULE AND NEOPRENE GASKET SEALING RINGS. LIQUID TIGHT.

#### FLEXIBLE STEEL CONDUIT

UL-1 FORMED FROM CONTINUOUS LENGTH OF SPIRALLY WOUND, INTERLOCKED HOT-DIP GALVANIZED STEEL. MINIMUM SIZE 1/2 INCH. PROVIDE SQUEEZE TYPE, MALLEABLE IRON CADMIUM PLATED CONDUIT FITTINGS FOR USE WITH FLEXIBLE STEEL CONDUIT OF THREADLESS HINGE TYPE; THREADED; GROUNDING TYPE; INSULATED THROAT.

#### CONDUIT INSTALLATION

INSTALL CONDUIT AND TUBING PRODUCTS IN ACCORDANCE WITH NEC. MANUFACTURER'S WRITTEN INSTRUCTIONS. AND APPLICABLE STANDARDS CONNECTIONS TO MOTORS AND EQUIPMENT SUBJECT TO VIBRATION:

FLEXIBLE STEEL CONDUIT NOT OVER 3 FEET LONG WHERE CONCEALED IN CABINET, OR WHERE EXPOSED IN MECHANICAL AND UTILITY AREAS AND NOT SUBJECTED TO MOISTURE, DIRT, AND FUMES.

LIQUID-TIGHT FLEXIBLE CONDUIT NOT OVER 3 FEET LONG WHERE EXPOSED IN FINISHED AREAS OR WHERE SUBJECT TO MOISTURE. DIRT. FUMES, OIL, CORROSIVE ATMOSPHERE, EXPOSED OR CONCEALED, WITH CONNECTORS TO ASSURE A LIQUID-TIGHT, PERMANENTLY GROUNDED CONNECTION. LOCATE SO IT IS LEAST SUBJECT TO PHYSICAL ABUSE.

WIRE AND CABLE

ALL CONDUCTOR AND CONDUIT SIZES ARE BASED ON THE USE OF COPPER CONDUCTORS. ALL CONDUCTORS SHALL BE COPPER.

TYPE THHN/THWN, SINGLE CONDUCTOR, SIZE AS INDICATED ON DRAWINGS. WIRE AND CABLE IDENTIFICATION

COLOR CODE CONDUCTOR INSULATION AS FOLLOWS:

CONDUCTOR	SYSTEM VOLTAGE 208Y/120	SYSTEM VOLTAGE 480Y/277V
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PHASE A	BLACK	BROWN
PHASE B	RED	PURPLE
PHASE C	BLUE	YELLOW
NEUTRAL	WHITE	GRAY
GROUND	GREEN	GREEN W/ TRACER
EXISTING BUILDING	CONDUCTOR COLOR	CODING IS DIFFERENT THAN THA

IF EXISTING BUILDING CONDUCTOR COLOR CODING IS DIFFERENT THAN THAT INDICATED ABOVE, CONDUCTOR COLOR CODING SHALL MATCH EXISTING.

INSTALL LABEL TAGS ON WIRE AND CABLE IN JUNCTION BOXES, PULL BOXES, WIREWAYS, AND WIRING GUTTERS OF PANELS. TAGS SHALL IDENTIFY WIRE OR CABLE NUMBER AND/OR EQUIPMENT SERVED AS SHOWN ON DRAWINGS. JUNCTION AND PULL BOXES

FABRICATE FROM CODE GAUGE GALVANIZED STEEL, WITH COVERS HELD IN PLACE BY CORROSION RESISTANT MACHINE SCREWS.

SIZE AS REQUIRED BY CODE FOR NUMBER OF CONDUITS AND CONDUCTORS ENTERING AND LEAVING BOX.

PROVIDE WITH WELDED SEAMS, WHERE APPLICABLE, AND EQUIP WITH CORROSION-RESISTANT NUTS, BOLTS, SCREWS, AND WASHERS.

INSTALLATION

INSTALL ELECTRICAL BOXES IN COMPLIANCE WITH NEC REQUIREMENTS, IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND WITH RECOGNIZED INDUSTRY PRACTICES TO ENSURE THAT THE BOXES SERVE THE INTENDED PURPOSES.

INSTALL KNOCKOUT CLOSURES TO CAP UNUSED KNOCKOUT HOLES WHERE BLANKS HAVE BEEN REMOVED.

LOCATE BOXES SO AS TO ASSURE ACCESSIBILITY OF ELECTRICAL WIRING. SECURE BOXES RIGIDLY TO THE SUBSTRATE UPON WHICH THEY ARE BEING

MOUNTED. DO NOT SUPPORT FROM CONDUIT. GENERAL DUTY DISCONNECT SWITCHES

PROVIDE SURFACE MOUNTED, GENERAL DUTY TYPE SHEET STEEL ENCLOSED SAFETY SWITCHES, THAT ARE FUSIBLE OR NON-FUSIBLE, WITH VOLTAGE RATING FOR CIRCUIT, AMPERAGE, AND NUMBER OF POLES AS INDICATED ON DRAWINGS. SWITCHES SHALL BE QUICK MAKE, QUICK BREAK TYPE; CONSTRUCTED SO THAT SWITCH BLADES ARE VISIBLE IN 'OFF' POSITION WITH DOOR OPEN. EQUIP WITH OPERATING HANDLE WHICH IS INTEGRAL PART OF ENCLOSURE BASE AND WHOSE OPERATING POSITION IS EASILY RECOGNIZABLE, AND IS CAPABLE OF BEING PADLOCKED IN 'OFF' POSITION. SWITCHES SHALL HAVE A COVER INTERLOCK TO PREVENT UNAUTHORIZED OPENING OF THE SWITCH DOOR WHEN THE HANDLE IS IN THE "ON" POSITION. CONSTRUCT CURRENT CARRYING PARTS OF HIGH CONDUCTIVITY COPPER. WITH SILVER- TUNGSTEN TYPE SWITCH CONTACTS. PROVIDE POSITIVE PRESSURE TYPE REINFORCED FUSE CLIPS FOR FUSIBLE SWITCHES. PROVIDE NEMA 1 OR 3R ENCLOSURE, AS REQUIRED, WITH STAMPED ENCLOSURE KNOCKOUTS. RMS SHORT CIRCUIT RATING SHALL BE 200,000 AMPS WITH R FUSES.

INSTALLATION

APPLICABLE REQUIREMENTS OF NEC AND NECA'S "STANDARD OF INSTALLATION" AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES.

LOCATE DISCONNECT SWITCHES AS SHOWN OR CALLED OUT ON DRAWINGS AND AS REQUIRED BY NEC.

GROUNDING

GROUND ELECTRICAL SYSTEMS AND EQUIPMENT AS REQUIRED BY NEC.

INSTALL GROUNDING CONDUCTOR IN NONMETALLIC OR FLEXIBLE CONDUIT TO COMPLETE EQUIPMENT GROUND CONTINUITY.

INSTALL A SEPARATE EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC TABLE 250-95 IN ALL RACEWAYS.

BRANCH CIRCUITS

DO NOT USE WIRE SMALLER THAN NO. 12 AWG (UNLESS OTHERWISE NOTED) FOR BRANCH CIRCUIT WIRING, INCLUDING MOTOR CIRCUITS.

NOT EXCEED REQUIREMENTS OF NEC ARTICLE 215.

## ACCORDANCE WITH NEC REQUIREMENTS AS MINIMUM.

MOTOR AND EQUIPMENT WIRING

CODE REQUIREMENTS, FROM SOURCE OF SUPPLY TO ASSOCIATED MOTOR STARTER, AND FROM STARTER TO MOTOR TERMINAL BOX, INCLUDING NECESSARY AND REQUIRED INTERMEDIATE CONNECTIONS.

CONDUCTOR AND CONDUIT SIZE FOR MOTOR BRANCH CIRCUITS. IF SHOWN ON DRAWINGS, ARE SIZED FOR MOTOR REQUIREMENT ONLY. CONTRACTOR MAY, AT HIS OPTION, INCLUDE ASSOCIATED CONTROL CONDUCTORS IN SAME CONDUIT PROVIDING THE CONDUIT SIZE IS ADJUSTED TO MEET CODE REQUIREMENTS FOR PERCENTAGE OF FILL.

MOTORS SHALL HAVE PROPER FEEDERS AS PER NEC AND NAMEPLATE RATINGS. VERIFY RATINGS OF MOTORS AND INSTALLING PROPER BRANCH CIRCUITS. EQUIPMENT CONNECTIONS

OBTAIN MANUFACTURER'S WIRING DIAGRAMS OF ELECTRICAL EQUIPMENT FURNISHED WITH EQUIPMENT AND DO NOT PROCEED TO WIRE EQUIPMENT WITHOUT THIS INFORMATION.

VERIFY ALL EQUIPMENT FEEDER SIZES, OVERCURRENT PROTECTION SIZES, ETC. RECOMMENDED BY EQUIPMENT MANUFACTURER BEFORE INSTALLING. MAKE EQUIPMENT CONNECTIONS WITH FLEXIBLE CONDUIT OR LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT. PROPERLY GROUND NON-CURRENT CARRYING METAL PARTS OF EQUIPMENT.

COORDINATE WORK WITH THE OTHER TRADES SUCH THAT THE OPERATION OF MECHANICAL EQUIPMENT WILL BE AS DESCRIBED IN MECHANICAL SPECIFICATIONS.

CHECK DRAWINGS AND SPECIFICATIONS OF OTHER DIVISIONS OF WORK FOR EQUIPMENT AND WORK WHICH MUST BE INCLUDED WHETHER OR NOT SHOWN ON ELECTRICAL DRAWINGS, IN ORDER TO PROVIDE A COMPLETE ELECTRICAL INSTALLATION.

UNLESS OTHERWISE INDICATED ON DRAWINGS OR IN SPECIFICATIONS, EQUIPMENT SHALL BE FURNISHED, SET IN PLACE, AND CONNECTED AS NECESSARY AND PREPARED FOR OPERATION AS SPECIFIED IN OTHER SECTIONS. PROVIDE FINAL CONNECTION AND PROPER DISCONNECTING MEANS SHALL BE PROVIDED.

MOTOR CONNECTIONS SHALL BE MADE BY SPLIT-BOLT TYPE CONNECTORS USING/ PROPER TOOLS AND FITTINGS TO ASSURE GOOD ELECTRICAL CONTINUITY AND LOW RESISTANCE JOINT.

#### PAD MOUNTED TRANSFORMER NOTE:

CONTRACTOR SHALL CONTACT UTILITY COMPANY PERSONNEL AS NECESSARY FOR NEW SERVICE COORDINATION. CONTRACTOR SHALL OBTAIN UTILITY CO. REQUIREMENTS AND BE RESPONSIBLE FOR ALL WORK NECESSARY TO INSTALL NEW PAD MOUNTED TRANSFORMER, CONCRETE PAD, PRIMARY AND SECONDARY SERVICE.

CONTRACTOR SHALL PROVIDE AND INSTALL ALL SPADE LUGS IN TRANSFORMER AND ANY ADDITIONAL EQUIPMENT REQUIRED FOR TERMINATION OF NEW SECONDARY SERVICE CONDUCTORS. CONTRACTOR SHALL VERIFY EXACT ROUTE OF SECONDARY CONDUCTORS IN FIELD TO LOCATION OF NEW METER CENTER "MC". CONTRACTOR SHALL PERFORM ALL WORK NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.

# INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

VOLTAGE DROP FOR BRANCH CIRCUITS AND FEEDER CIRCUIT COMBINED SHAL

SIZE CONDUIT, OUTLET BOXES, AND OTHER RACEWAY SYSTEM COMPONENTS

FURNISH AND INSTALL MOTOR CIRCUITS IN ACCORDANCE WITH DRAWINGS AND

