

274 SOUTH RIVER ROAD
NEW HOPE, PA 18938

274 SOUTH RIVER ROAD
NEW HOPE, PA 18938

OWNER/ OPERATOR:
GATEWAY TO NEW HOPE, LLC
274 South River Road
New Hope, PA 18938

ARCHITECT:
STOKES ARCHITECTURE
2103 Sansom Street
Philadelphia, PA 19103
tel: (215) 523-9190

INTERIOR DESIGNER
BALONGUE DESIGN INC
707 Matsonford Road
Villanova, PA 19085
tel: (610) 525-7593
fax: (610) 525-7594

CIVIL ENGINEER:
VAN CLEEF ENGINEERING
ASSOCIATES, LLC
501 North Main Street
Doylestown, PA 18901
tel: (215) 345-1876
fax: (215) 345-1730

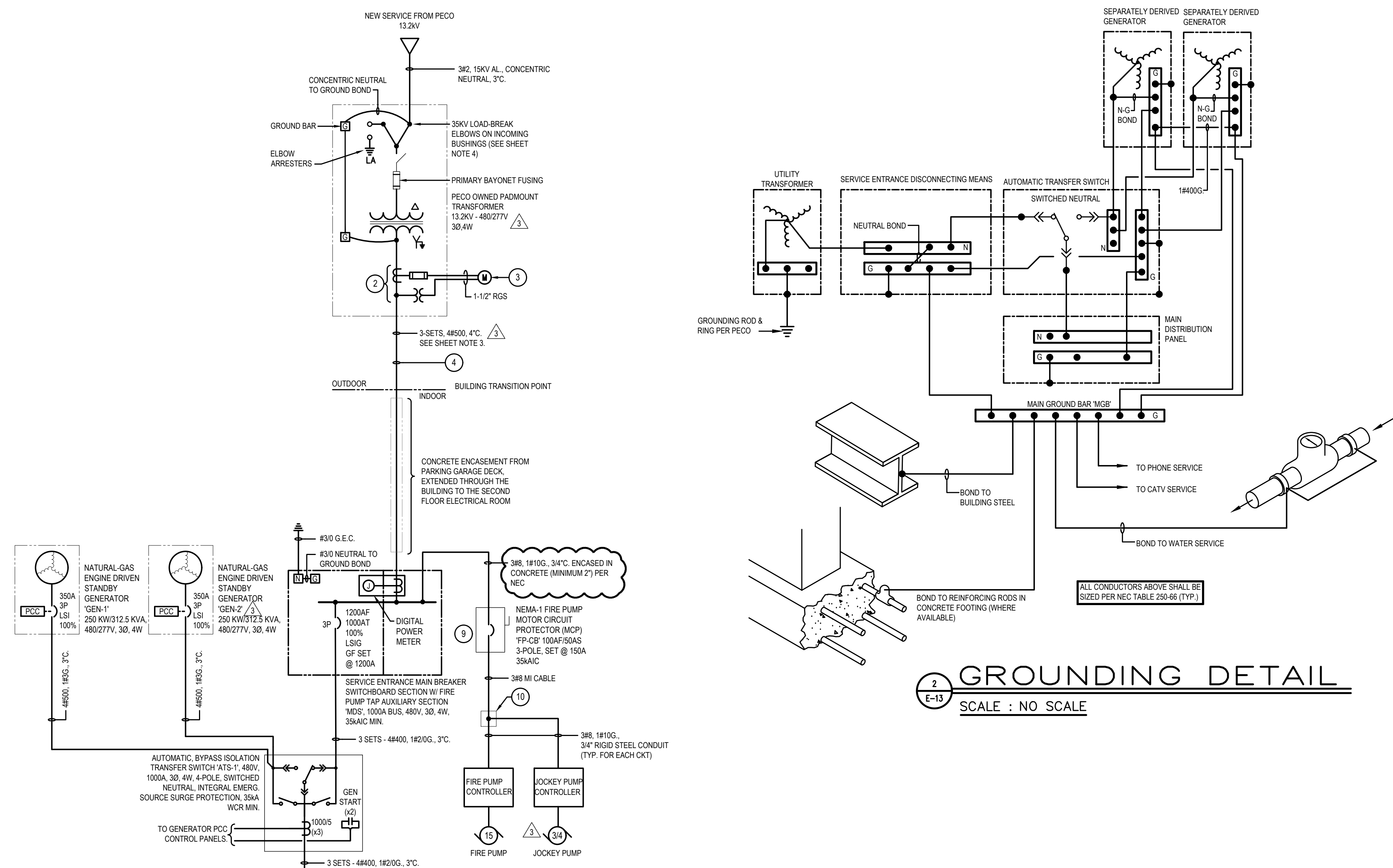
STRUCTURAL ENGINEER:
O'DONNELL & NACCARATO
111 S. Independence Mall East Suite 950
Philadelphia, PA 19106
tel: (215) 925-3788

MEP ENGINEER:
WICK FISHER WHITE
111 S. Independence Mall East Suite 400
Philadelphia, PA 19106
tel: (215) 627-0200
fax: (215) 627-8240

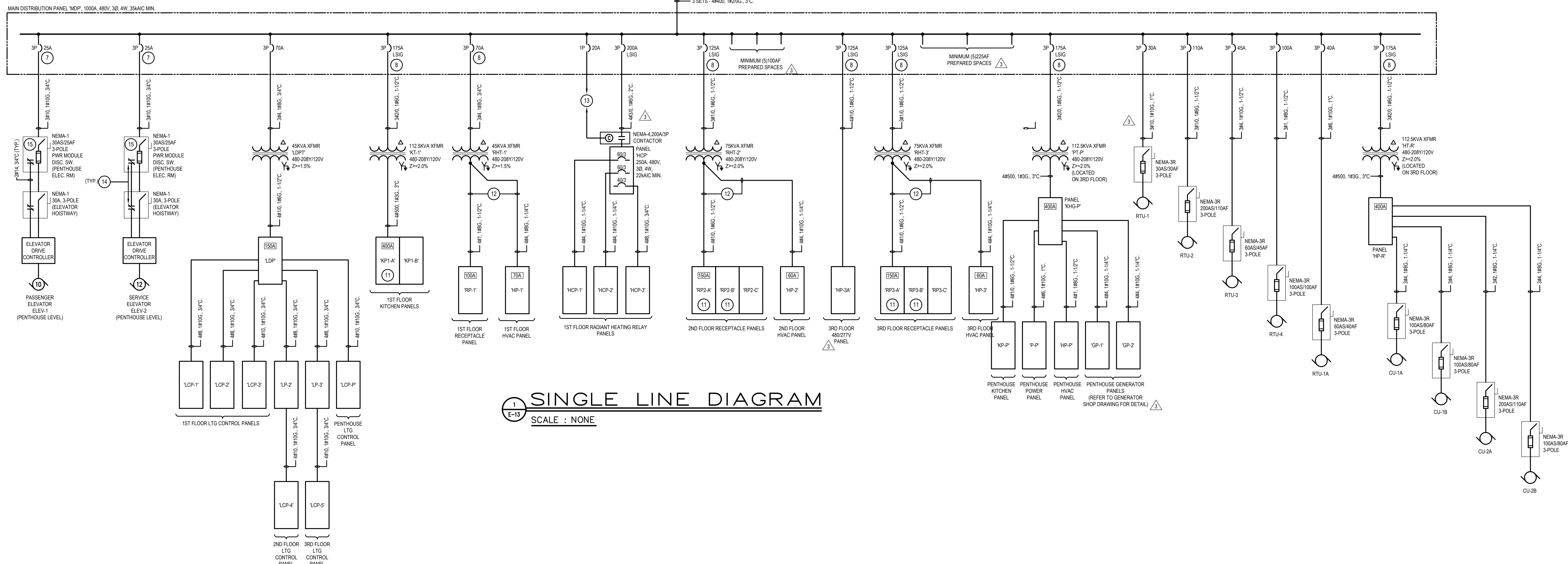
LIGHTING DESIGNER
RIAN ORTER LIGHTING DESIGN LLC
 227 W. 29th St 8th Floor
 New York, NY 10001
 tel: (646) 502-7568

1. REFER TO DRAWING MPE-1 FOR HVAC, PLUMBING/FIRE PROTECTION & ELECTRICAL GENERAL NOTES, ABBREVIATIONS, LEGENDS & DRAWING LIST.
2. REFER TO PECO BUILDERS HANDBOOK "BLUE BOOK" FOR EXACT SPECIFICATIONS FOR INSTALLING PECO SUPPLIED EQUIPMENT.
3. CONDUCTORS ADJUSTED FOR DUCT/BANK DE-RATING.
4. PECO EQUIPMENT IS REQUIRED TO BE BUILT TO 35KV CONSTRUCTION TO ACCOUNT FOR FUTURE UPGRADES.
5. UNLESS OTHERWISE NOTED, PROVIDE NEW FOR ALL EQUIPMENT. CONDUIT, CONDUCTORS, DEVICES ETC. SHOWN.
6. ALL CONDUCTORS RUN TO THE OUTDOOR ROOF-TOP UNITS. CONDENSERS, ETC. HAVE BEEN ADJUSTED FOR TEMPERATURE DROPS.
7. E.C. SHALL PROVIDE PERMANENT METER/LABEL ON ALL TRANSFORMERS PER NEC ARTICLE 450.14 TO IDENTIFY LOCATION OF LOCKABLE BREAKER/SWITCH TRANSFORMER.

1	PECO SUPPLIED AND INSTALLED 19KV LIGHTNING ARRESTERS.
2	PECO SUPPLIED, CONTRACTOR TO INSTALL MOUNT PT'S ON UN-STRUT WITH SPRING NUTS 2" BACK FROM THE OPENING. INSTALL #8 INSULATED STRANDED COPPER CONDUCTORS FROM THE SECONDARY TERMINAL LUGS TO SUPPLY THE PT'S.
3	PECO METER SHALL BE INSTALLED ON UN-STRUT MOUNTED BETWEEN TWO (2) RIGID METAL 1.78" (MM) OD STEEL PIPES ENCASED IN 3" OF CONCRETE (MIN). CENTER-POINT METER BETWEEN SUPPORTS AT 5' ABOVE GRADE.
4	PROVIDE ADDITIONAL THREE (3) SPARE 4" (102MM) CONDUITS BETWEEN EQUIPMENT.
5	FURNISH AND INSTALL, NEW NEMA 1, ENCLOSED CIRCUIT BREAKER WITH THE APPROPRIATE RATINGS AS INDICATED. ENCLOSED CIRCUIT BREAKER SHALL BE MANUFACTURED BY SQUARE-D, CAT# 3136080(C)J444 OR APPROVED EQUAL.
6	RESERVED
7	PROVIDE BREAKER WITH 120KV SHUNT TRIP ACCESSORY.
8	PROVIDE BREAKER WITH LOCKABLE PROVISIONS.
9	FIRE PUMP DISCONNECT SHALL MEET ALL OF THE REQUIREMENTS DEFINED BY NEC 695.4(B)(2)(3).
10	PROVIDE NEMA-4 ENCLOSURE TO HOUSE JOCKEY PUMP TAP. TAP SHALL BE LOCATED OUTSIDE THE CONTROLLER.
11	PROVIDE FEED-THRU LUGS, TYPICAL FOR ALL SUB-PANELS AS INDICATED.
12	CONDUCTORS SHALL BE AT LEAST 1' AWAY TO COMPLY WITH TAP RULE AS DEFINED IN BUT NOT LIMITED TO, NEC-400.21(2)(3).
13	PROVIDE 240V, 19Kv, 3A, TO LESS THAN 1AUX CONTACT. THE CONTACTOR CONTROLLING POWER TO PANEL HOP SHALL BE NEW WHEN THE BUILDING IS OPERATING ON GENERATOR POWER.
14	PROVIDE FAST ACTING AUXILIARY CONTACT WITHIN DISCONNECT. CONTACT SHALL BE "OFF" WHEN THE DISCONNECT SWITCH IS IN THE "OFF" POSITION. WIRE IN SERIES AS SHOWN BACK TO THE ELEVATOR DRIVE CONTROLLER. TERMINATION AT CONTROLLER TO BE BY ELEVATOR VENDOR.
15	EGC TO PROVIDE NEMA 1, BUSSMAN QUICK-SPC POWER MODULE / ELEVATOR DISCONNECT SWITCH. POWER MODULE SHALL INCLUDE FIRE-ARM VOLTAGE MONITORING-LED, KEY-TEST SWITCH, AND TWO(2) FORM-A-UX CONTACTS. PROVIDE MODULE BASE OF DESIGN AT 12" (305MM) DIA. 18" (457MM) H. 18" (457MM) W. 18" (457MM) D.



SCALE : NO SCALE



SCALE : NONE

STOKES.
ARCHITECTURE + DESIGN
STOKESARCH.COM

SEAL

	ISSUE FOR CONSTRUCTION	02.28.2019
3	COMMISSIONING COMMENTS	01.23.2019
2	PERMIT SET	07.25.2018
1	90% PRICING SET	06.18.2018
MARK	REVISIONS	DATE

ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

PROJECT #:	140145.001
FILENAME:	-
DRAWN:	WFW
CHECKED:	WFW
DATE:	07/25/18

SUE FOR CONSTRUCTION
02-28-2019

ELECTRICAL SINGLE LINE DIAGRAM

DRAWING

E-13