



GENERAL NOTES:

- DO NOT SCALE ELECTRICAL DRAWING FOR ANY DIMENSIONS.
- ALL WORK SHALL COMPLY WITH THE 2014 NATIONAL ELECTRIC CODE, NATIONAL, STATE AND LOCAL CODES. PROVIDE GROUNDING AND BONDING PER NEC 250.
- COORDINATE ALL WORK WITH LOCAL FACILITIES OPERATION REPRESENTATIVE.

KEY NOTES:

- EXISTING ELECTRIC METER TO REMAIN.
- EXISTING DISCONNECT TO REMAIN.
- EXISTING TRANSFORMER TO BE REINSTALLED. COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH IN. LOCATION OF TRANSFORMER SHALL COMPLY WITH NEC 450.13. REFER TO TRANSFORMER SCHEDULE FOR INSTALLATION REQUIREMENTS.
- PROVIDE SURGE PROTECTION DEVICE #PQC200 OR APPROVED EQUIVALENT.
- PROVIDE SURGE PROTECTION DEVICE #PQC100 OR APPROVED EQUIVALENT.

NOTE:
PER IFBC C405.7.3:
FEEDERS ARE DESIGNED FOR A MAXIMUM VOLTAGE DROP OF 2% AT DESIGN LOAD.
BRANCH CIRCUITS ARE DESIGNED FOR A MAXIMUM VOLTAGE DROP OF 3% AT DESIGN LOAD.

LEGEND

- NEW EQUIPMENT
- EXISTING EQUIPMENT TO REMAIN
- EXISTING EQUIPMENT TO BE REMOVED

TRANSFORMER SCHEDULE

KVA	PRIMARY VOLTAGE	PRIMARY AMPS	PRIMARY 480V OVERCURRENT	PRIMARY FEEDER (3 PHASE, 3 WIRE WITH GROUND)	SECONDARY VOLTAGE	SECONDARY AMPS	SECONDARY OVERCURRENT	SECONDARY FEEDER (3 PHASE, 4 WIRE WITH GROUND)	GROUNDING CONDUCTOR
75	480	90	125A-3P	3 #1 & 1 #8 EG- 1-1/2\"/>					

TRANSFORMER SCHEDULE NOTES:

- THE TRANSFORMER SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE NEC.
- PROVIDE VENTILATION CLEARANCE AS REQUIRED BY THE TRANSFORMER MANUFACTURER.
- SECONDARY OVER CURRENT PROTECTION SHALL BE LOCATED WITHIN 10 FEET OF THE TRANSFORMER.
- FEEDER CONDUCTORS AND GROUNDING CONDUCTOR SIZES ARE BASED ON COPPER CONDUCTORS. (NEC 310.16, 250.66 AND 250.122)

NEW PANEL L

LOCATION: LAUNDRY VOLTAGE: 208/120 V MIN. AIC RATING: 42K AIC MOUNTING: SURFACE NOTES: PROVIDE SERIES RATED CIRCUIT BREAKER.

TYPE: MAINS: 200 A MLO MCB ENCLOSURE: NEMA 1

NO.	CIRCUIT DESCRIPTION	BRANCH CIRCUIT	BKR	LOAD KVA	PHASE	LOAD KVA	BRANCH CIRCUIT	CIRCUIT DESCRIPTION	NO.
1	FLOOR RECEP.TS - FACIAL	12 12 12 3/4\"/>							

EQUIPMENT SERVED

EQUIPMENT	CONN. LOAD	L.F.	D.F.	DEMAND LOAD
LIGHTING	0.00 KVA	125%		0.00 KVA
RECEPTACLES - GENERAL	20.40 KVA	100%		20.40 KVA
EQUIPMENT	37.99 KVA	100%		37.99 KVA
TOTAL DEMAND LOAD:				58.39 KVA
TOTAL DEMAND AMPS:				162.08 AMPS

NOTES:
1. CONNECT THIS CIRCUIT VIA LIGHTING CONTACTOR.
2. PROVIDE GFCI CIRCUIT BREAKER.

NEW PANEL H

LOCATION: LAUNDRY VOLTAGE: 480/277 V MIN. AIC RATING: 42K AIC MOUNTING: SURFACE NOTES: PROVIDE SERIES RATED CIRCUIT BREAKER.

TYPE: MAINS: 400 A MLO MCB ENCLOSURE: NEMA 1

NO.	CIRCUIT DESCRIPTION	BRANCH CIRCUIT	BKR	LOAD KVA	PHASE	LOAD KVA	BRANCH CIRCUIT	CIRCUIT DESCRIPTION	NO.
1									2
3	RTU-1	10 10 10 1\"/>							

EQUIPMENT SERVED

EQUIPMENT	CONN. LOAD	L.F.	D.F.	DEMAND LOAD
LIGHTING	0.00 KVA	125%		0.00 KVA
RECEPTACLES - GENERAL	0.00 KVA	100%		0.00 KVA
EQUIPMENT	88.54 KVA	100%		88.54 KVA
TOTAL DEMAND LOAD:				88.54 KVA
TOTAL DEMAND AMPS:				245.76 AMPS

NOTES:
1. CONNECT THIS CIRCUIT VIA LIGHTING CONTACTOR.
2. PROVIDE GFCI CIRCUIT BREAKER.

NEW PANEL P

LOCATION: LAUNDRY VOLTAGE: 208/120 V MIN. AIC RATING: 42K AIC MOUNTING: SURFACE NOTES: PROVIDE SERIES RATED CIRCUIT BREAKER.

TYPE: MAINS: 100 A MLO MCB ENCLOSURE: NEMA 1

NO.	CIRCUIT DESCRIPTION	BRANCH CIRCUIT	BKR	LOAD KVA	PHASE	LOAD KVA	BRANCH CIRCUIT	CIRCUIT DESCRIPTION	NO.
1	LIGHTS	1 12 12 12 3/4\"/>							

EQUIPMENT SERVED

EQUIPMENT	CONN. LOAD	L.F.	D.F.	DEMAND LOAD
LIGHTING	8.40 KVA	125%		10.50 KVA
RECEPTACLES - GENERAL	6.72 KVA	100%		6.72 KVA
EQUIPMENT	10.80 KVA	100%		10.80 KVA
TOTAL DEMAND LOAD:				28.02 KVA
TOTAL DEMAND AMPS:				77.78 AMPS

NOTES:
1. CONNECT THIS CIRCUIT VIA LIGHTING CONTACTOR.
2. PROVIDE GFCI CIRCUIT BREAKER.

INTERPLAN
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NO DATE REMARKS
REVISIONS

WOODHOUSE DAY SPA
RENOVATION

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PROJECT NO: 2019.0172
DATE: APRIL 08, 2019

E3.0

CHECKED: BLS DRAWN: NMO

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