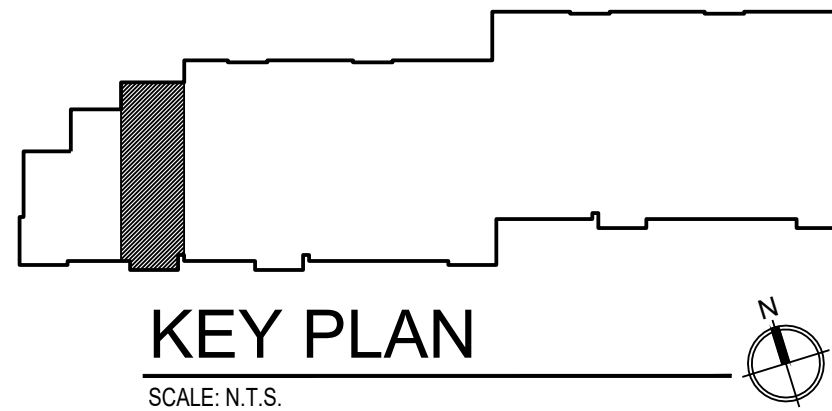
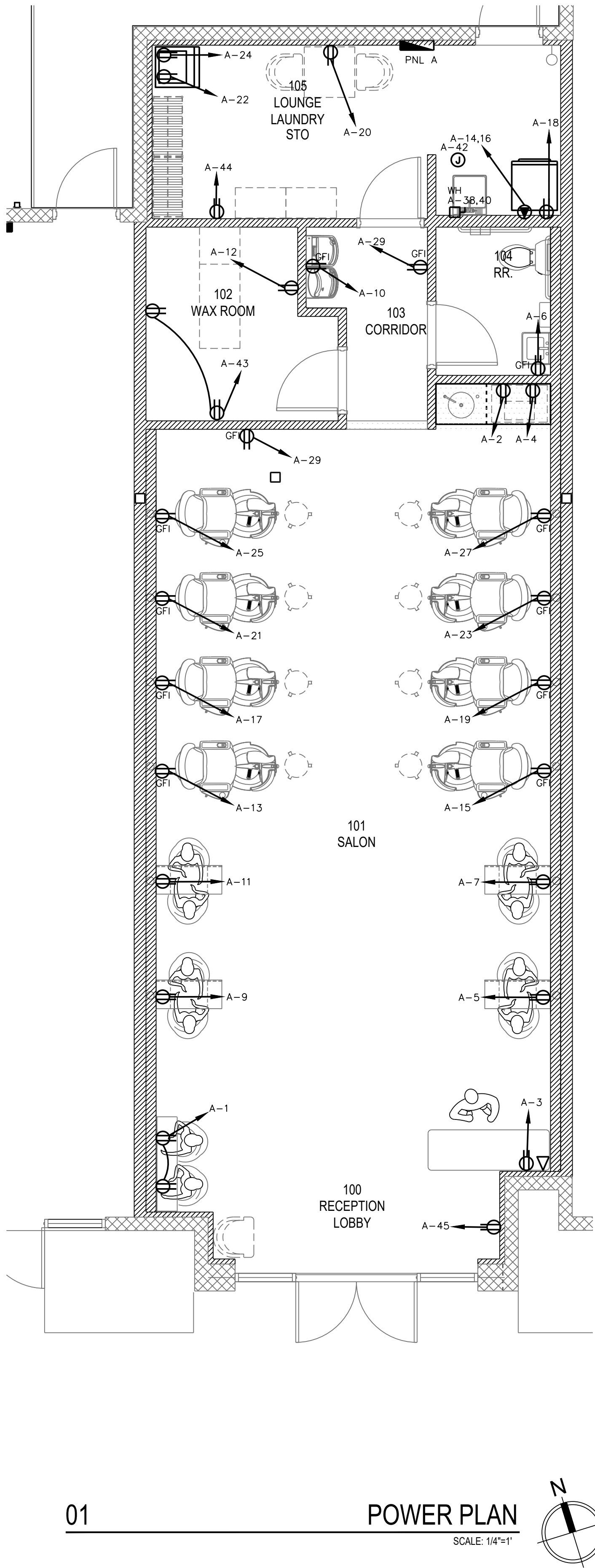
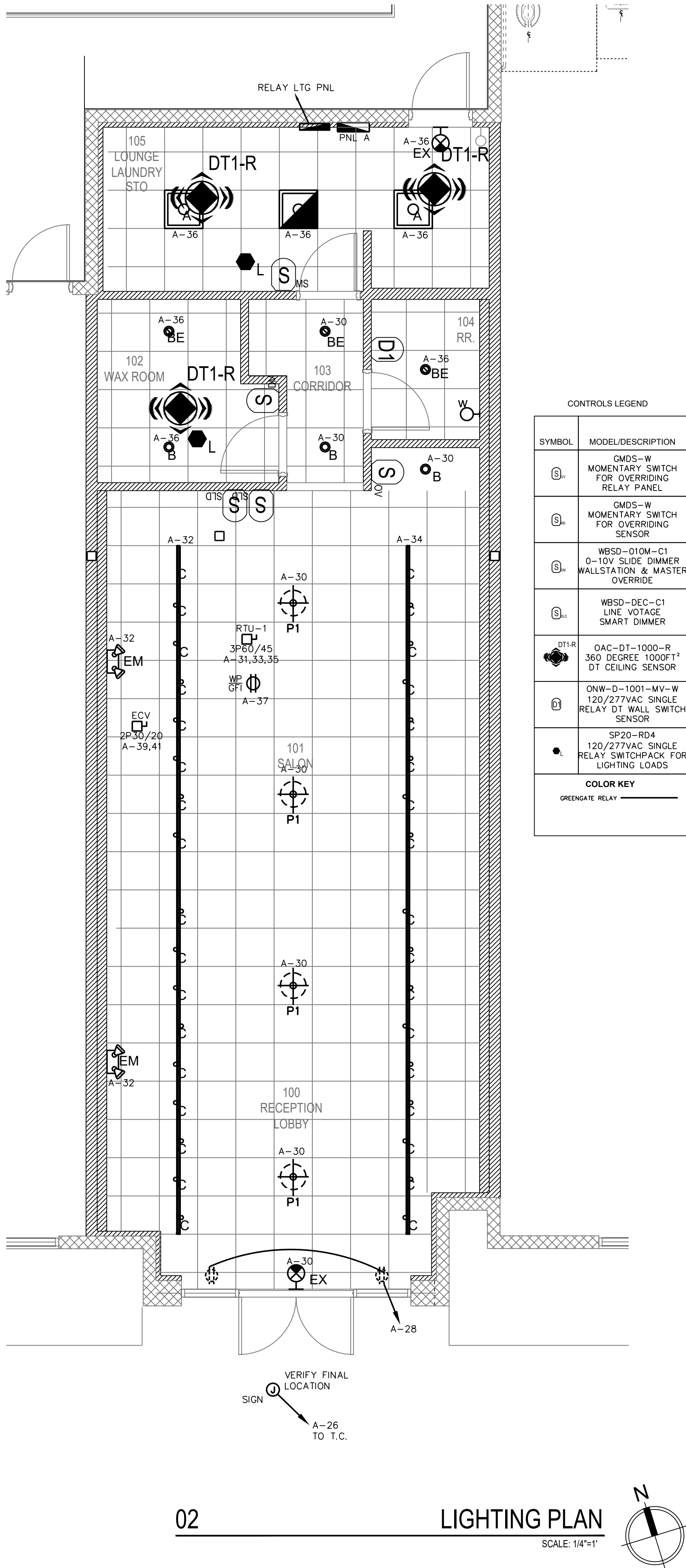
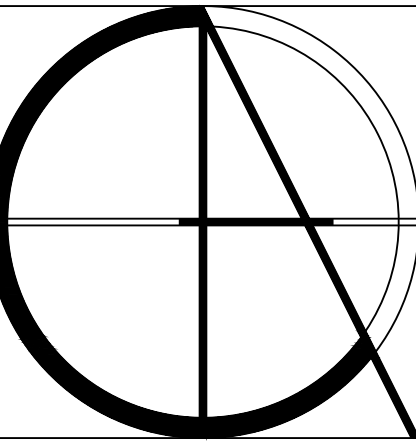


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ELECTRICAL LEGEND	
	1x4 LED LIGHT
	1x4 LED LIGHT W/ EMERGENCY BALLAST (1200 LUMENS MIN.) ON 24/7
	2x2 LED LIGHT
	2x2 LED LIGHT W/ EMERGENCY BALLAST (1200 LUMENS MIN.) ON 24/7
	2x4 LED LIGHT
	2x4 LED LIGHT W/ EMERGENCY BALLAST (1200 LUMENS MIN.) ON 24/7
	RECESSED LIGHT
	SURFACE MOUNTED LIGHT
	EXTERIOR WALL LIGHT
	INTERIOR WALL SCONCE
	EXIT SIGN WITH 90 MIN BATTERY BACK UP
	EXIT SIGN WITH DIRECTIONAL ARROW WITH 90 MIN BATTERY BACK UP
	WALL MOUNTED EMERGENCY LIGHT WITH 90 MIN BATTERY BACK UP
	EXIT SIGN/EMERGENCY LIGHT COMBO WITH 90 MIN BATTERY BACK UP
	SWITCH WITH OCCUPANCY SENSOR THAT SHALL TURN LIGHTING OFF WITHIN 20 MINUTES OF AN OCCUPANT LEAVING A SPACE
	3 WAY SWITCH WITH OCCUPANCY SENSOR THAT SHALL TURN LIGHTING OFF WITHIN 20 MINUTES OF AN OCCUPANT LEAVING A SPACE
	DIMMER SWITCH WITH OCCUPANCY SENSOR THAT SHALL TURN LIGHTING OFF WITHIN 20 MINUTES OF AN OCCUPANT LEAVING A SPACE
	2 HOUR OVERRIDE SWITCH TO TIME CLOCK
	MOTION SENSOR THAT SHALL TURN LIGHTING OFF WITHIN 20 MINUTES OF AN OCCUPANT LEAVING A SPACE
	EXHAUST FAN MOTOR
	EXHAUST FAN
	DISCONNECT
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE CEILING MOUNTED
	SWITCHED DUPLEX RECEPTACLE
	QUADRUPLEX RECEPTACLE
	SPECIAL RECEPTACLE
	JUNCTION BOX
	FLOOR DUPLEX RECEPTACLE
	FLOOR QUADRUPLEX RECEPTACLE
	POWER POLE
	TELEPHONE JACK
	DATA JACK
	TELEPHONE/DATA JACK
	FLOOR TELEPHONE/DATA JACK
	FLOOR TELEPHONE JACK
	FLOOR DATA JACK
	TV CABLE OUTLET
	SMOKE DETECTOR/CARBON MONOXIDE SENSOR UL LISTED COMBO
	SMOKE DETECTOR
	MULTI-CANDELA FIRE STROBE
	MULTI-CANDELA SPEAKER/STROBE
	PULL STATION
	ELECTRICAL PANEL
	GROUND FAULT INTERUPT
	NIGHT LIGHT ON 24/7
	NEW
	EXISTING
	EXISTING RELOCATED
	TIME SWITCH CONTROL
	WEATHER PROOF LIGHT WITH EM BALLAST OR INVERTER 1200 LUMENS MIN.
SOME SYMBOLS MAY NOT BE USED.	

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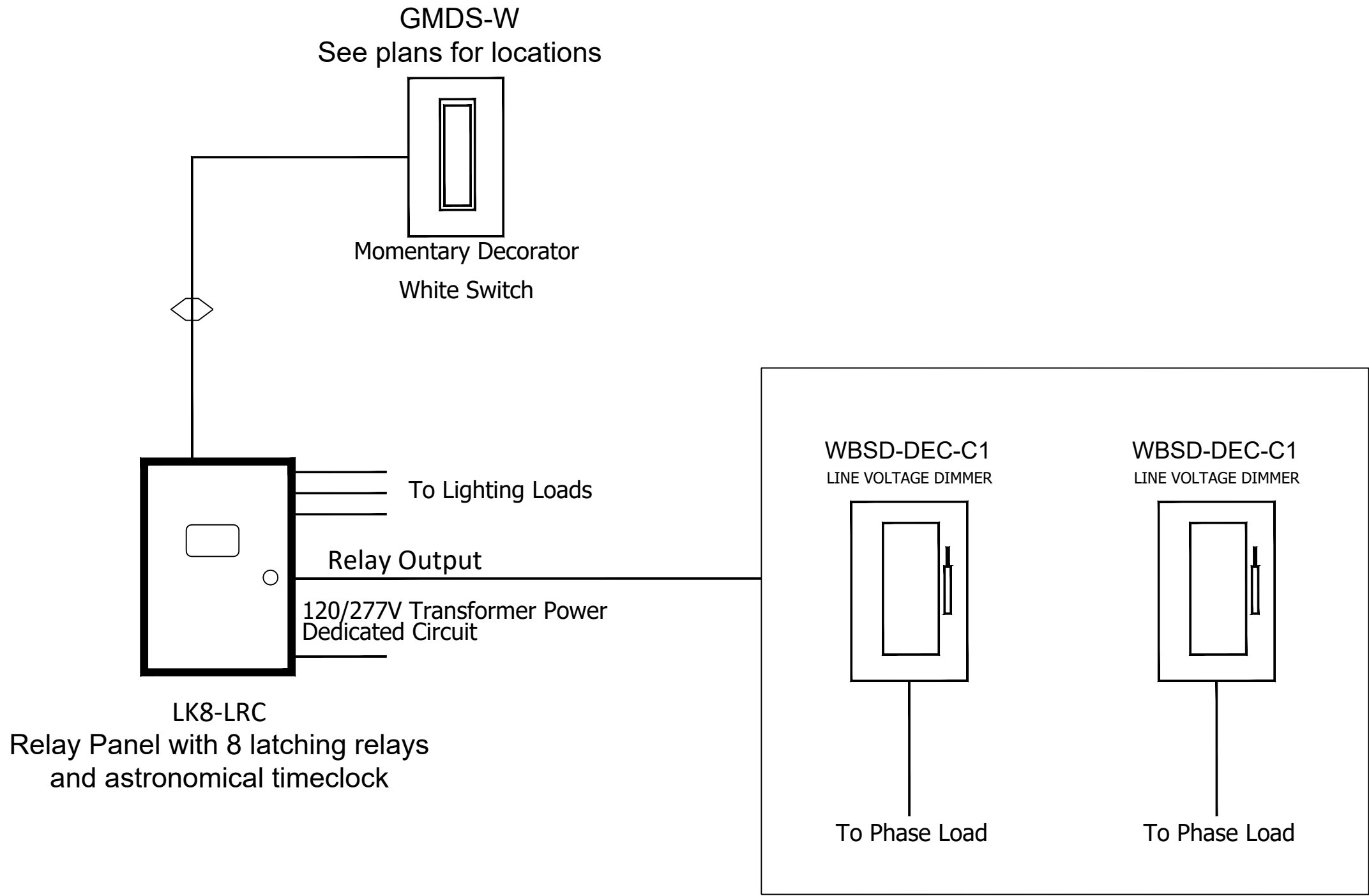


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561.961.4884
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Tenant Improvement for:
Tres Chic Nail Salon
Gatlin Square
1477 SW Gatlin Blvd.
Port St. Lucie, FL 34953

PROJECT #	23-016
DATE	6-13-2023
REV #	DATE
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SHEET #	E-1
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Notes

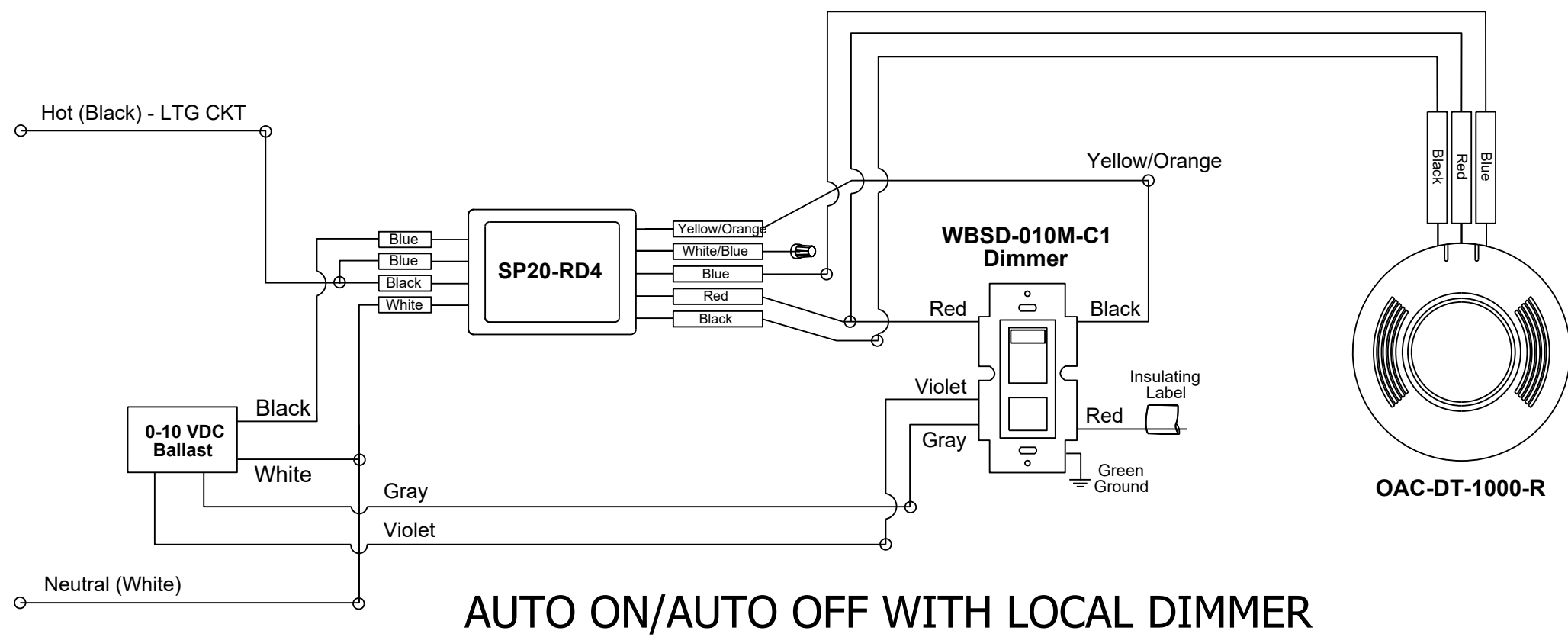
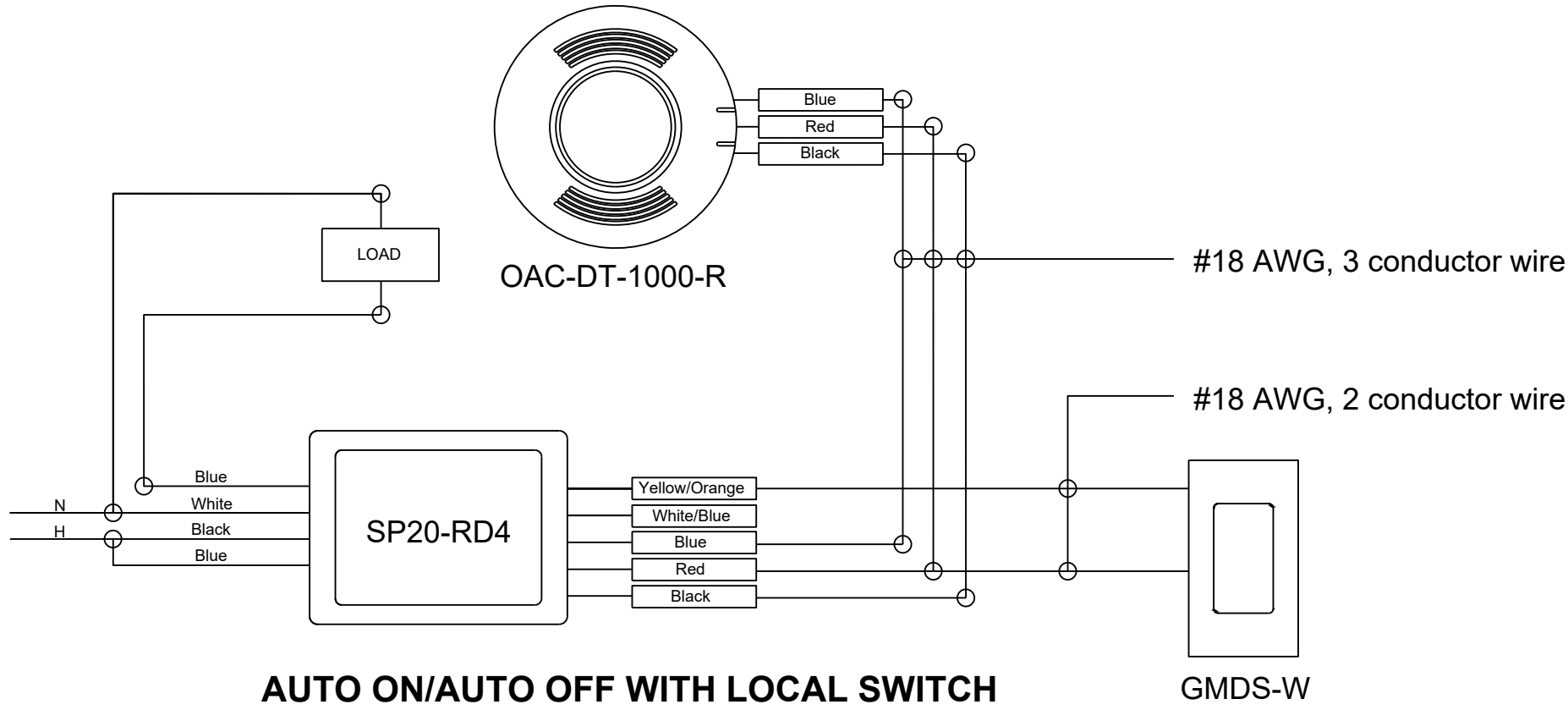
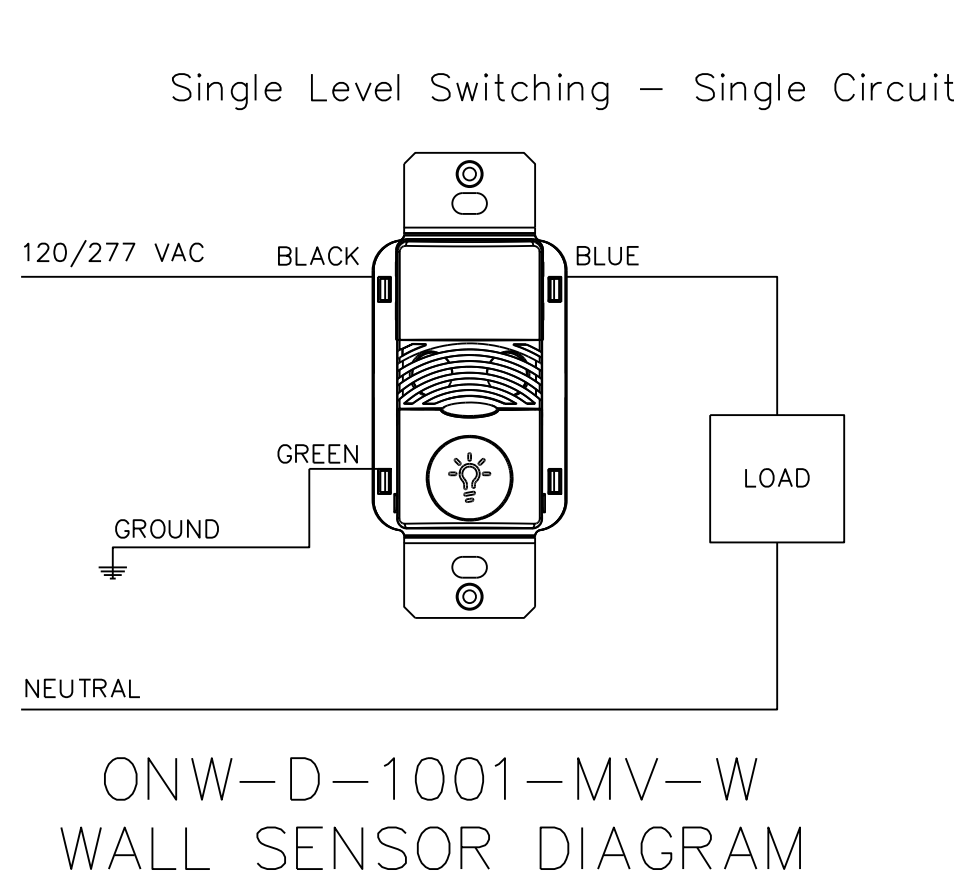
1	This one-line drawing is for concept only. Every wire is not shown. Wire according to the product installation/wiring instructions.
2	Refer to plans for locations, size, and quantity.
3	Refer to all manufacturers installation instructions for correct wiring information

Cables

◇	LV2	Low Voltage Input wire - #18 AWG, 2 conductor wire
---	-----	--

ONW-D-1001-MV-W OAC-DT-1000-R + SP20-RD4 + GMDS-W

AUTO ON/AUTO OFF W/ LOCAL DIMMER

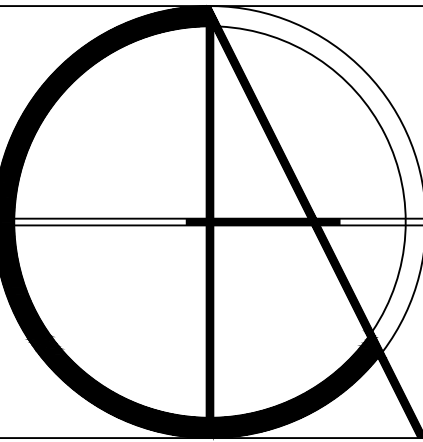


01

LIGHTING CONTROLS PLAN

NTS

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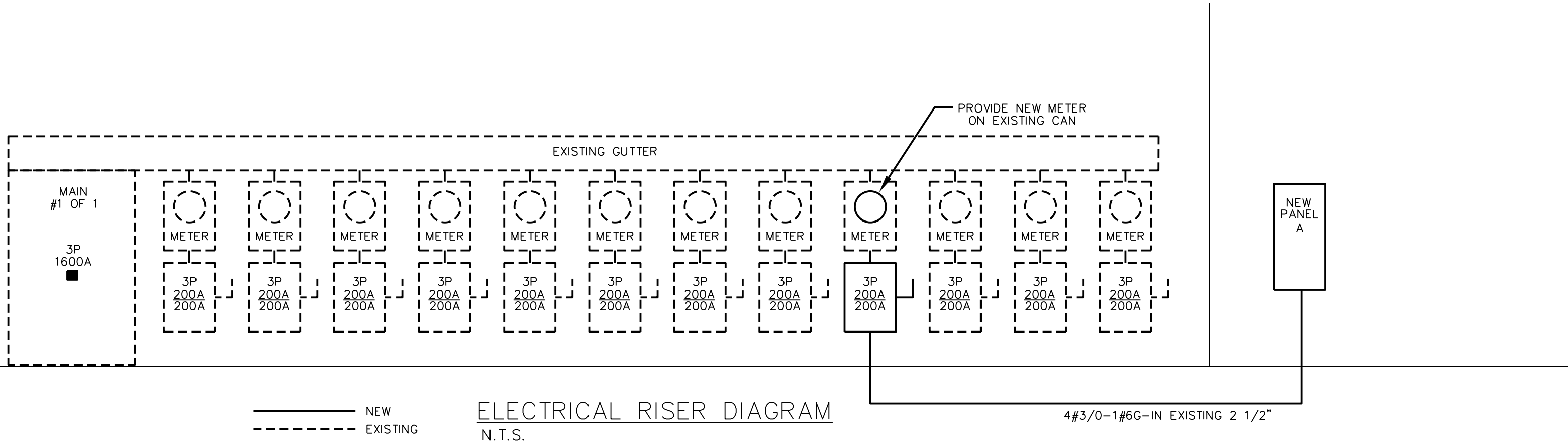
ELECTRICAL NOTES:

- ALL WORK TO BE DONE ACCORDING TO 2020 F.B.C., 2016 NFPA-72, 2018 NFPA-101, 2018 NFPA-1, 2020 FFPC AND 2017 N.E.C..
- CONTRACTOR TO VISIT SITE AND VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS. NOTIFY ENGINEER OF ANY DISCREPANCIES AT ONCE. FAILURE TO DO SO AND CONTRACTOR PROCEEDS AT HIS OWN RISK.
- MAINTAIN AS-BUILTS ON A DAILY BASIS. SUBMIT 3 COPIES TO ARCHITECT AND OWNER 3 DAYS PRIOR TO ANY REQUIRED INSPECTIONS.
- ALL CONDUIT TO BE METAL EMT INSIDE AND RIGID ON THE EXTERIOR. P.V.C. WILL BE ACCEPTED PROVIDED THAT THE CORRECT GROUND AS PER N.E.C. TABLE 250-66,122 IS INCLUDED WHEN ALLOWED BY CODE. NO PVC WILL BE ALLOWED IN R.A. PLENUMS OR FIRE RATED ASSEMBLIES. ALL MATERIALS IN R.A. PLENUMS TO BE PLENUM RATED.
- CONDUCTOR TO BE COPPER THWN OR THHN. MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A CONDUIT TO BE INSTALLED PER NEC 310.15(B)(3)(A)
- ALL EXTERIOR EQUIPMENT TO NEMA 3R RATED.
- ALL FUSES TO BE BUSSMAN CURRENT LIMITING AT SERVICE ENTRANCE. ALL OTHERS FUSES ACCORDING TO MANU. SPECIF.
- PROVIDE 6 SETS OF SHOP DRAWINGS FOR APPROVAL. NO EQUIPMENT TO BE ORDERED BEFORE SHOP DRAWINGS ARE APPROVED.
- VERIFY ALL NAMEPLATE DATA OF EQUIPMENT FOR PROPER PROTECTION AND LOADS PRIOR TO INSTALL OR WIRING.
- MAINTAIN A MINIMUM OF 36" IN FRONT OF ALL ELECTRICAL EQUIPMENT. PRIOR TO INSTALLING ANY EQUIPMENT COORDINATE WITH OTHER TRADES TO INSURE THAT CLEARANCES ARE MAINTAINED.
- CONTRACTOR TO REMOVE ALL TRASH/UNUSED MATERIALS AT THE END OF DAY.
- ALL CONDUITS, FIXTURES, DEVICES TO HAVE GROUND EXTEND AS PER TABLE 250-122 N.E.C.
- POWER TO BE ON CONTINUOUSLY 5 WEEK PRIOR TO COMPLETING PROJECT.
- ALL LOW VOLTAGE CABLING AND SYSTEM ARE THE RESPONSIBILITY OF THE VENDOR THAT IS PROVIDING THE SYSTEM INCLUDING PERMITTING.
- CONTRACTOR TO LAMP/RELAMP ALL FIXTURES.
- CONTRACTOR TO VERIFY QUANTITIES OF EXISTING AND NEW DEVICES AND FIXTURES REQUIRED TO COMPLETE PROJECT PRIOR TO SUBMITTING BID.
- CONTRACTOR TO VERIFY EXISTING CIRCUITS AND MUST PROVIDE NEW PANEL SCHEDULES IDENTIFYING ALL CIRCUITS IN PANEL.
- NEUTRALS NOT TO BE SHARED. PROVIDE #8 NEUTRAL TO ALL FURNITURE SYSTEMS, IF APPLICABLE.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL EQUIPMENT MENTIONED OR NOT TO POWER, DATA AND VOICE TO ALL EQUIPMENT AND SYSTEMS INSTALLED.
- ALL DEVICES TO MATCH BUILDING STANDARD OR BE DECORA SERIES.
- TYPICAL LIGHT SWITCHES TO BE @ 48" A.F.F. ON CENTER. TYPICAL RECEPTACLE TO BE 18" A.F.F. ON CENTER. ALL SWITCHES TO BE GANGED WITH CONTINUOUS FACEPLATES. ALL DEVICES THAT ARE ADJACENT TO BE SPACED 6" ON CENTER.
- ALL ELECTRICAL ELEMENTS TO BE THOROUGHLY PROTECTED FROM DAMAGE AFTER INSTALLATION AND SHALL HAVE TRIM INSTALLED AFTER ADJOINING FINISH MATERIALS ARE INSTALLED.
- AT THE COMPLETION OF THE PROJECT ALL EQUIPMENT, DEVICES AND FIXTURES TO BE CLEANED.
- ALL EMERGENCY AND EXIT LIGHTS TO HAVE A MINIMUM 90 MINUTE BATTERY BACK-UP.
- CONTRACTOR IS TO PROVIDE STEP DOWN TRANSFORMERS FOR ALL FANS WHEN REQUIRED.
- NO ALUMINUM CONDUCTOR BUSS WILL BE ALLOWED - ALL MUST BE COPPER.
- ALL DATA, TEL., TV BOXES TO BE 4x4x2 DOUBLE GANG BOXES. STUB ALL CONDUITS WITH LAY IN CEILINGS TO 6" ABOVE CEILING. ALL CONCEALED OR EXPOSED APPLICATIONS TO BE HOME RUN TO MAIN DISTRIBUTION LOCATION.
- CONTRACTOR TO PROVIDE TEMPORARY POWER FOR ALL TRADES.
- NEW ELECTRICAL PANELS TO HAVE BOLT ON BREAKERS.
- NO ELECTRICAL CIRCUITS OR WIRING FROM ADJACENT SPACES TO BE USED IN THIS PROJECT.
- ALL INTERIOR LIGHTING TO HAVE SWITCHES WITH OCCUPANCY SENSORS IN THEM CAPABLE OF STAYING ON NO MORE THAN 30 MINUTES. CIRCUITS WHICH HAVE MOTION SENSORS ON THEM MAY USE STANDARD SWITCHES.
- CONTRACTOR TO REMOVE ALL ABANDONED OR UNUSED WRING, CONDUIT AND BOXES.
- PROVIDE 2-2" RIGID CONDUIT FROM BUILDINGS MAIN TELEPHONE ROOM COMMUNICATION CENTER TO SITE DEMARC POINT. COORDINATE CABLE, TV, VOICE AND DATA REQUIREMENTS WITH OWNER TO MEET THEIR REQUIREMENTS.
- VERIFY EXISTING FIRE ALARM HAS SUFFICIENT ROOM FOR EXPANSION AND EQUIPMENT IS STILL READILY AVAILABLE. CONTRACTOR TO PROVIDE COMPLETE SHOP DWGS INCLUDING RISER, CUT SHEETS, BATTERY CALCULATIONS AND ALL OTHER NECESSARY INFORMATION.
- LABEL ALL OUTLETS AND JUNCTION BOXES WITH PANEL AND CIRCUIT NUMBER.
- ANY ELECTRICAL EQUIPMENT POTENTIALLY NEEDING ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED MUST BE PLACARED IN ACCORDANCE WITH N.E.C. 110.16.
- ALL NIGHT LIGHTS AND EMERGENCY LIGHTS TO BE CONNECTED AHEAD OF ANY CONTROL DEVICE.
- ALL TRANSFORMERS ARE TO HAVE A MINIMUM K-RATING OF K-13. KVA SIZING OF TRANSFORMER IS SHOWN ON THE ELECTRICAL RISER DRAWING.
- ALL CIRCUIT BREAKERS SERVING FURNITURE SYSTEMS MUST BE HANDLE TIED AS PER N.E.C. 605.7
- PROVIDE MEAN OF DISCONNECTION FOR ALL LIGHTING FIXTURES AS PER NEC 410.130(G)

PANEL A					225A MLO					3ø4W					120/208V 22K AIC				
Wire	Ø	No.	Poles	Trip	Description	Load	No.	Poles	Trip	Description	Load	Ø	Wire						
12	A	01	1	20	TABLE REC	360	02	1	20	TOWEL WARMER	300	A	12						
12	B	03	1	20	POS	360	04	1	20	STERILIZER	300	B	12						
12	C	05	1	20	FAN TABLE	500	06	1	20	RESTROOM REC	180	C	12						
12	A	07	1	20	FAN TABLE	500	08	1	20	SPARE	180	A	12						
12	B	09	1	20	FAN TABLE	500	10	1	20	DF	600	B	12						
12	C	11	1	20	FAN TABLE	500	12	1	20	WAX ROOM	180	C	12						
12	A	13	1	20	CHAIR	500	14	2	30	DRYER	4500	A	10						
12	B	15	1	20	CHAIR	500	16	-	-			B	10						
12	C	17	1	20	CHAIR	500	18	1	20	WASHER	1500	C	12						
12	A	19	1	20	CHAIR	500	20	1	20	LOUNGE REC	180	A	12						
12	B	21	1	20	CHAIR	500	22	1	20	MW	1000	B	12						
12	C	23	1	20	CHAIR	500	24	1	20	REF	500	C	12						
12	A	25	1	20	CHAIR	500	26	1	20	SIGN	1200	A	12						
12	B	27	1	20	CHAIR	500	28	1	20	SHOW WINDOWS	360	B	12						
12	C	29	1	20	REC	180	30	1	20	LTG	600	C	12						
6	A	31	3	45	RTU	14000	32	1	20	TRACK LTG	300	A	12						
6	B	33	-	-	-	-	34	1	20	TRACK LTG	300	B	12						
6	C	35	-	-	-	-	36	1	20	BACK LTG	200	C	12						
12	A	37	1	20	ROOF GFI	180	38	2	60	WH	12000	A	6						
10	B	39	2	20	ECV	2500	40	-	-	-	-	B	6						
10	C	41	-	-	-	-	42	1	20	RECIRC PUMP	300	C	12						
10	A	43	1	20	REC	180	44	1	20	REC	180	A	10						
10	B	45	1	20	REC	180	46	1	20	SPARE	180	B	10						
10	C	47	1	20	SPARE	180	48	1	20	SPARE	180	C	10						
10	A	49	1	20	SPARE	180	50	1	20	SPARE	180	A	10						
10	B	51	1	20	SPARE	180	52	1	20	SPARE	180	B	10						
10	C	53	1	20	SPARE	180	54	1	20	SPARE	180	C	10						
10	A	55	1	20	SPARE	180	56	1	20	SPARE	180	A	10						
10	B	57	1	20	SPARE	180	58	1	20	SPARE	180	B	10						
10	C	59	1	20	SPARE	180	60	1	20	SPARE	180	C	10						
10	A	61	1	20	SPARE	180	62	1	20	SPARE	180	A	10						
10	B	63	1	20	SPARE	180	64	1	20	SPARE	180	B	10						

PANEL LOAD 52220W 145A

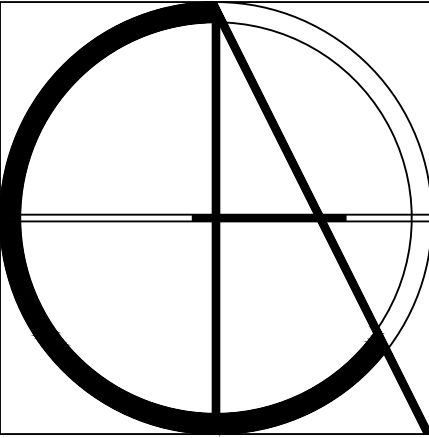
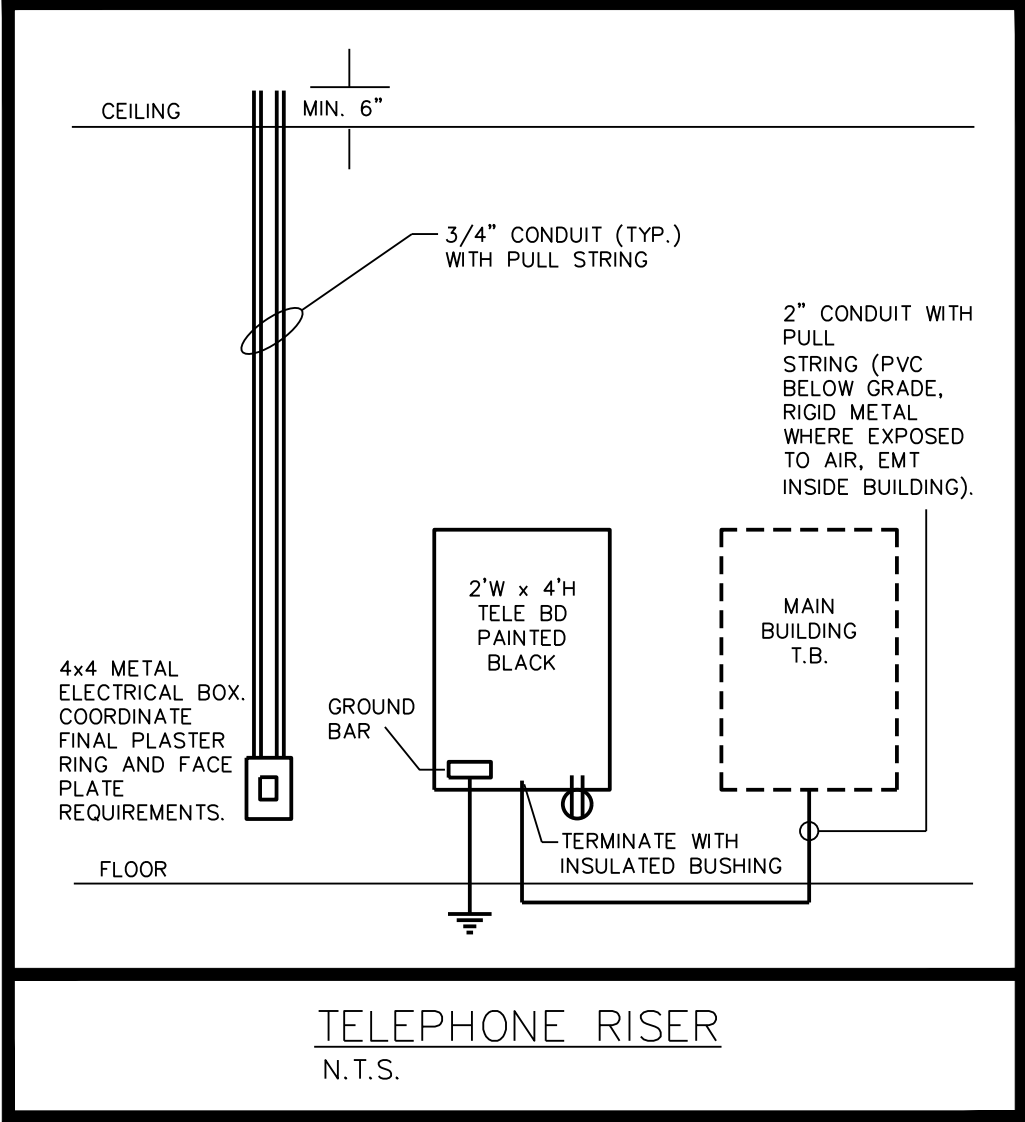
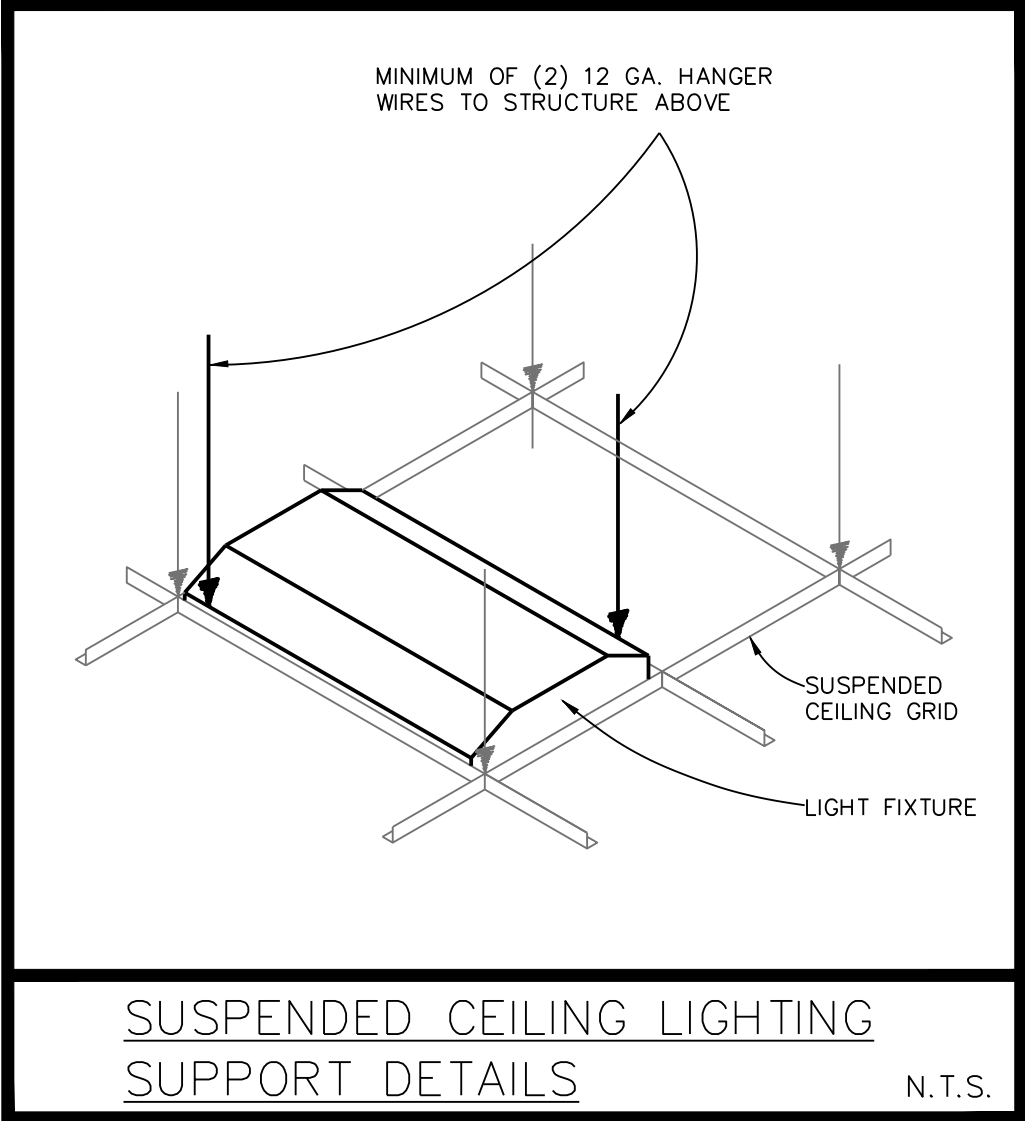
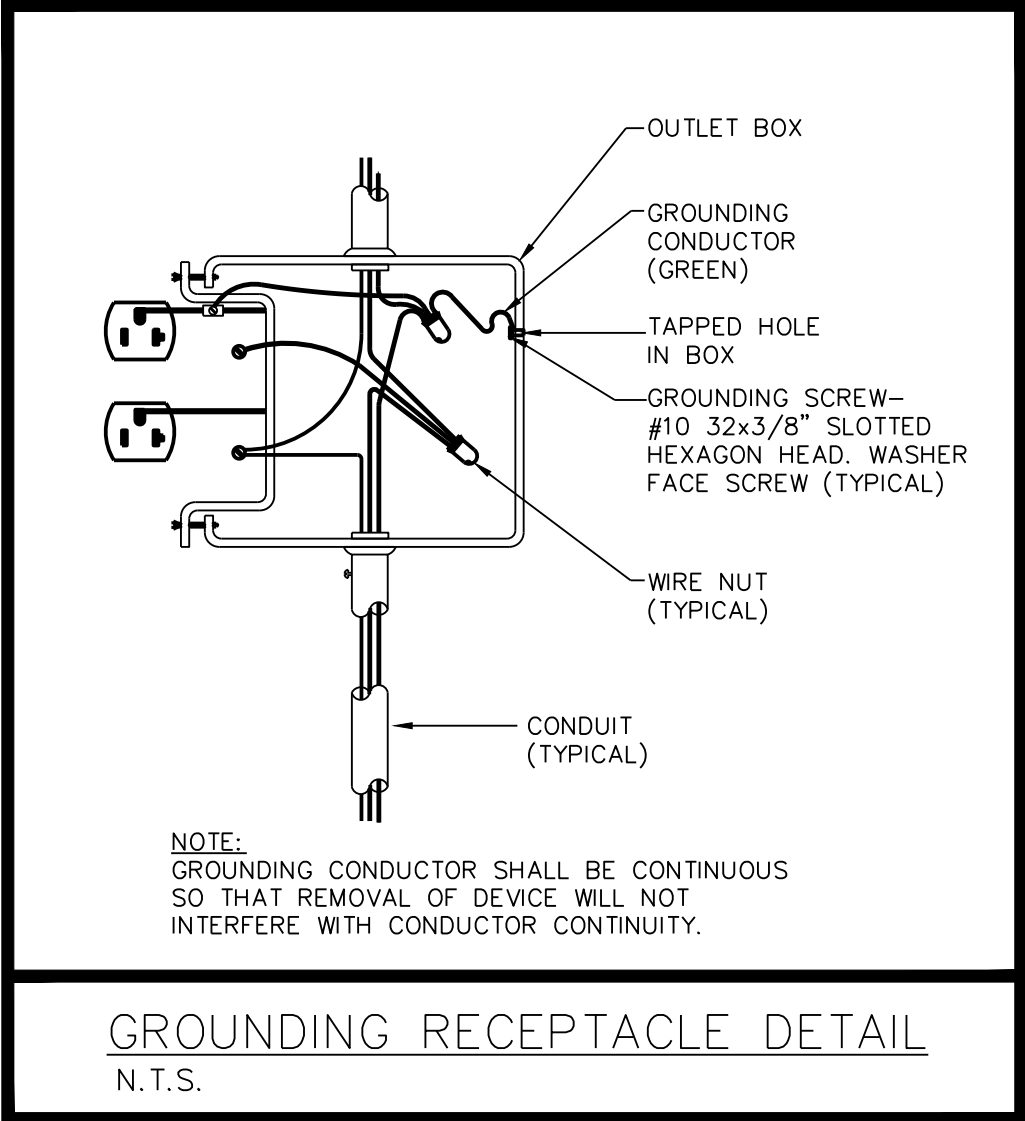
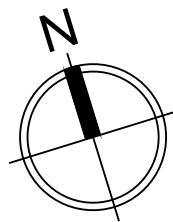
TRES CHIC NAIL SALON										
LIGHTING FIXTURE SCHEDULE										
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLT	LAMP COLOR	LUMENS	LAMP TYPE	DIM TYPE	WATTS	MOUNTING
A	2X2 LED FLAT PANEL	METALLUX	22FP2130C	UNV	3000K	2318	LED	0-10V	20.7W	RECESSED
AE	2X2 LED FLAT PANEL W/ BATTERY PACK	METALLUX	22FP2130C-EL7W	UNV	3000K	2318	LED	0-10V	20.7W	RECESSED
B	4" LED DOWNLIGHT	HALO COMM	HC410D010-HM40525830-41MD-FINISH	UNV	3000K	1000	LED	0-10V	9.9W	RECESSED
BE	4" LED DOWNLIGHT W/ INTEGRAL BATTERY PACK	HALO COMM	HC410D010IEM7-HM40525830-41MD-FINISH-IEM	UNV	3000K	1000	LED	0-10V	9.9W	RECESSED
C	LED TRACK HEAD LIGHTING	HALO	L815MED20FL930P / L65X-9	120V	3000K	1944	LED	PHASE	24.7W	TRACK
P1	PENDANT	TBD	AS SELECTED BY OWNER/CONTRACTOR INSTALLED	120V	TBD	TBD	TBD	PHASE	TBD	PENDANT
W	LED VANITY	KUZZO	VL7524-CH	120V	3000K	1367	LED	PHASE	24W	SURFACE
EM	EMERGENCY LIGHT	SURELITES	SEL60	UNV	N/A	309I/HEAD	LED	N/A	3.8W/HEAD	SURFACE
EX	EXIT SIGN	ISOLITE	UEL-EM-G-1C2M-MTEBR	UNV	GREEN	N/A	N/A	N/A	3W	UNIVERSAL
FIXTURE SCHEDULE NOTES										
NOTE 1: ADVISE FINISH										
NOTE 2: CONTRACTOR TO CONFIRM TRACK LENGTH										
FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS- 772-285-7169; RHUFF@LIGHTINGDYNAMICS.COM										



03

ELECTRICAL RISER AND NOTES

SCALE: NTS



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