

ELECTRICAL NOTES

1. DO NOT SCALE DRAWINGS, REFER TO ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF DOORS, WINDOWS AND CEILING DEVICES. PROJECT IS A **NEW STRUCTURE**. VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK.
2. DAMAGE TO STRUCTURE BEYOND CUTTING AND PATCHING FOR WORK INDICATED WILL BE REPAIRED TO EXISTING CONDITION AT CONTRACTORS EXPENSE
3. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE IN FORCE AT TIME OF BID AND ALL GOVERNING LOCAL CODES OR ORDINANCES.
4. ALL MATERIALS SHALL BE NEW AND SHALL BE UNDERWRITER'S LABORATORIES APPROVED.
5. COORDINATE ALL CIRCUITING REQUIREMENTS WITH OTHER DISCIPLINES. REVIEW ALL DIVISIONS AND SECTIONS FOR ADDITIONAL REQUIREMENTS OR COORDINATION.
6. UNLESS OTHERWISE NOTED ON THE PLANS, ALL WALL-MOUNTED OUTLETS SHALL BE MOUNTED 15" ABOVE FINISHED FLOOR TO OUTLET BOTTOM. ALL COVER PLATES FOR ELECTRICAL AND TELEPHONE OUTLETS SHALL BE IVORY, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
7. PULL LINES SHALL BE INSTALLED IN EMPTY TELEPHONE CONDUIT AND RACEWAYS CONDUITS SHALL BE 3/4" MINIMUM AND TERMINATED ABOVE CEILING WITH INSULATED BUSHINGS
8. ALL CONDUCTORS SHALL BE COPPER AND COLOR CODED IN ACCORDANCE WITH NEC. UNLESS SPECIFICALLY INDICATED OTHERWISE.
9. EXTERIOR LIGHTING CONDUCTORS SHALL BE MINIMUM #8 AWG.
10. FURNISH AND INSTALL "GROUNDING" IN ACCORDANCE WITH NEC ARTICLE 250.

ELECTRICAL SYMBOLS LEGEND

	220V OUTLET	\$	TOGGLE SWITCH
	SMOKE DETECTOR	\$s	3-WAY SWITCH
	FLOOR OR CEILING MOUNTED RECEPTACLE	\$s	4-WAY SWITCH
	COMPUTER OUTLET	\$s	SWITCH WITH PILOT LIGHT
	FLOOR MOUNTED TELEPHONE OUTLET	\$s	DIMMER SWITCH
	J-BOX AND 1" CONDUIT TO ABOVE CEILING	\$s	MOTOR RATED SWITCH
	WALL MOUNTED TELE/DATA OUTLET, PROVIDE DISCONNECT SWITCH	o	JUNCTION BOX
	PANELBOARD	o	DUPLEX RECEPTACLE
	TELEPHONE BACKBOARD	o	EXISTING DUPLEX RECEPTACLE
	MOTOR	•	MOUNTED ABOVE COUNTER OR 42" AFF
	GFI RECEPTACLE	o	DOUBLE DUPLEX RECEPTACLE
	FLOOR MOUNTED COMPUTER OUTLET	■	FIRE ALARM CONTROL PANEL
	EXPOSED CONDUIT	o	CABLE TV OUTLET
	GROUND CONNECTION AS NOTED	WP	WEATHERPROOF
	TRANSFORMER	AFF	ABOVE FINISHED FLOOR
	MANUAL FIRE ALARM PULL STATION	GFI	GROUND FAULT INTERRUPTING
	WALL MOUNTED FIRE ALARM SIGNAL	CLG.	CEILING MOUNTED

NOTES E-1:

1. MCONNECT EXIT SIGNS, EMERGENCY BATTERY UNITS AND NIGHT LIGHTS TO THE UNSWITCHED PORTION OF THE LIGHTING CIRCUIT SERVING THAT RESPECTIVE AREA.
2. VERIFY ELECTRICAL FEEDER AND BREAKER REQUIREMENTS FROM EQUIPMENT MANUFACTURER SPECIFICATIONS PRIOR TO PROVIDING POWER CIRCUITS.
3. WIRING METHOD IN EXAM ROOMS SHALL COMPLY WITH REQUIRMENTS OF 2017 NEC SECTION 517.13 (A) AND (B).

A. EXISTING RECPETACLES AND FEEDERS SHALL BE REMOVED. NEW BRANCH CIRCUITS SHALL BE PROVIDED WITH WITH METAL RACEWAY OR WITH METTALLIC ARMOR OR SHEATH ASSMBLY IN ACCORDANCE WITH NEC 250.118.

B. THE FOLLOWING SHALL BE DIRECTLY CONNECTED TO AN INSULATED EQUIPMENT GROUNDING CONDUCTOR IDENTIFIED BY GREEN INSULATION THE ENTIRE LENGTH:

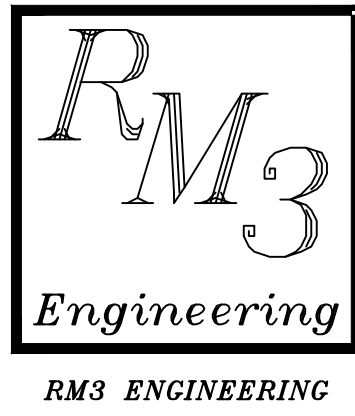
(1) GROUNDING TERMINAL OF A RECEPTACLE OTHER THAN ISOLATED GROUND RECEPTACLES

(2) METAL OUTLET BOXES, METAL DEVICE BOXES OR METAL ENCLOSURES

(3) ALL NON-CURRENT CARRYING CONDUCTIVE SURFACES OF FIXED ELECTRICAL EQUIPENT LIKELY TO BECOME ENERGIZED AT OVER 100 VOLTS

REFER TO TO NEC 517.13 FOR ADDITIONAL DETAILS

LIGHTING FIXTURE SCHEDULE			
SYMBOL	DESCRIPTION	LAMPS	MODEL
	2' x4' LAY-IN LED TROFFER	50W LED	TBD BY OWNER/ARCHITECT
	2' x2' LAY-IN LED TROFFER	37W LED	TBD BY OWNER/ARCHITECT
	EMERGENCY LIGHT W/BATTTERY PACK	N/A	TBD BY OWNER/ARCHITECT
	EXIT SIGN W/EMERGENCY LIGHT	N/A	EXISTING
	4' LNEAR LED WIDE LENS		TBD BY OWNER/ARCHITECT
	WALL MOUNTED LIGHT FIXTURES		TBD BY OWNER/ARCHITECT
	CAN LIGHT		TBD BY OWNER/ARCHITECT
	WALL SCONCE		TBD BY OWNER/ARCHITECT



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ELECTRICAL PLAN

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ROSSELL
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NO.	REVISIONS

DATE:	10/4/2021
PROJECT No.	3E20-044

SHEET NO.

E1