### INTERIOR RENOVATIONS FOR:

## MARSHALL DISTRICT LIBRARY

124 W GREEN ST MARSHALL, MICHIGAN 49068

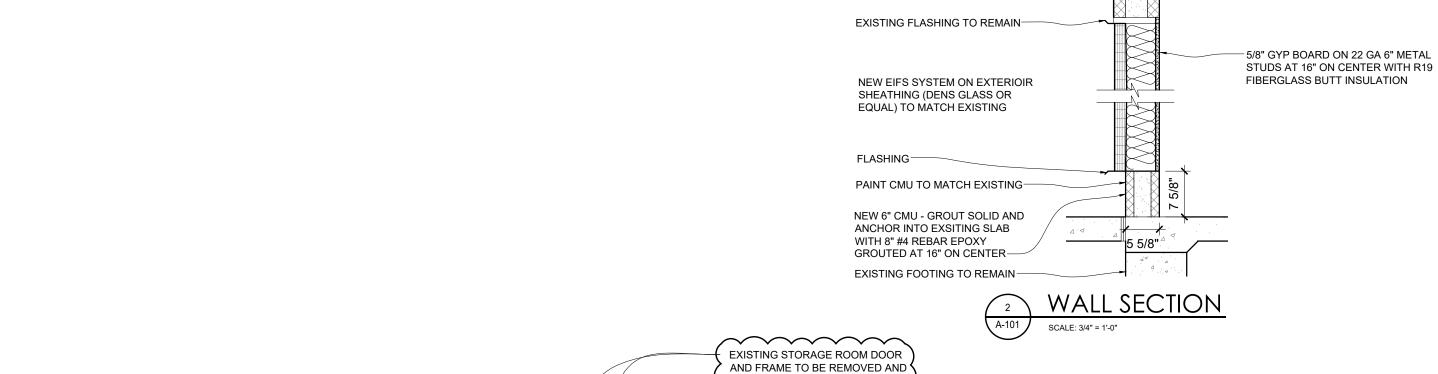
### **GENERAL NOTES:**

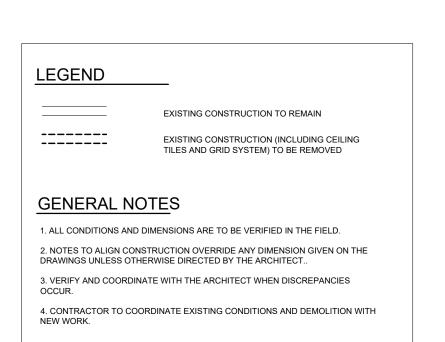
- LIGHT GAUGE STEEL FRAMING TO CONFORM TO ASTM STANDARDS C-645 AND C-754.
   ALL DIMENSIONS ARE FROM FINISH FACE OF DRYWALL TO FINISH FACE OF DRYWALL OR FACE OF EXTERIOR WALL SHEATHING UNO.
- 3. ALL CONSTRUCTION TO CONFORM TO APPLICABLE STATE AND LOCAL CODES.4. CONTRACTOR IS RESPONSIBLE FOR ALL APPLICABLE BUILDING INSPECTIONS.
- CONTRACTOR IS RESPONSIBLE FOR ALL APPLICABLE BUILDING INSPECTIONS.
   ALTHOUGH EVERY EFFORT HAS BEEN MADE TO REFERENCE EACH PARTICULAR
   CONSTRUCTION ISSUE THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE ENTIRE
   PROJECT IS COMPLETED IN A MANNER THAT IS IN ACCORDANCE TO THE INTENT OF THE
   DRAWINGS AND FULLY COMPLIES WITH ALL APPLICABLE CODES, REGULATIONS, AND
   MANUFACTURER SPECIFICATIONS AND RECOMMENDATIONS.
- 6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INVESTIGATE AND CONFIRM ALL EXISTING CONDITIONS AND TO NOTIFY THE OWNER AND ARCHITECT OF EXISTING CONDITIONS THAT ARE UNFORESEEN OR ARE DIFFERENT FROM CONDITIONS THAT ARE DEPICTED IN THE CONTRACT DOCUMENTS.
- DO NOT SCALE DRAWINGS. CONTACT ARCHITECT FOR DIMENSIONAL CLARIFICATIONS.
   THE CONTRACTOR IS REQUIRED TO MAINTAIN A SAFE, CLEAN, AND ORDERLY WORK ENVIRONMENT DURING ALL PHASES OF CONSTRUCTION.
- 9. ALL PRODUCTS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS RECOMMENDED BY RECOGNIZED INDUSTRY AND TRADE STANDARDS.
- INSTRUCTIONS AND THE GUIDELINES AND SPECIFICATIONS PUBLISHED BY THE 'GYPSUM' ASSOCIATION'.
- 11. ALL OUTSIDE GYP. BD. CORNERS SHALL RECEIVE "NO-COAT" DRYWALL CORNER BEAD.

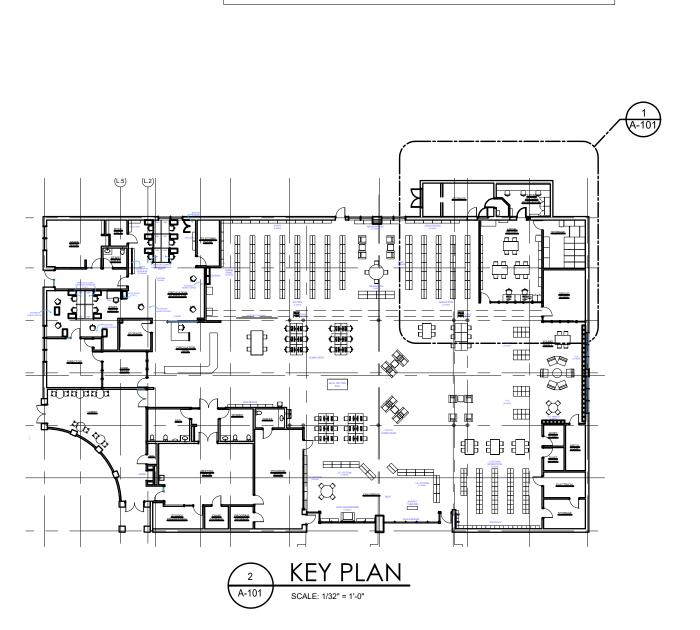
  12. ALL GYP. BD. SHALL RECEIVE A LEVEL 4 FINISH (BASED ON 'USG' GUIDELINES) FOR A
- SMOOTH MONOLITHIC APPEARANCE.

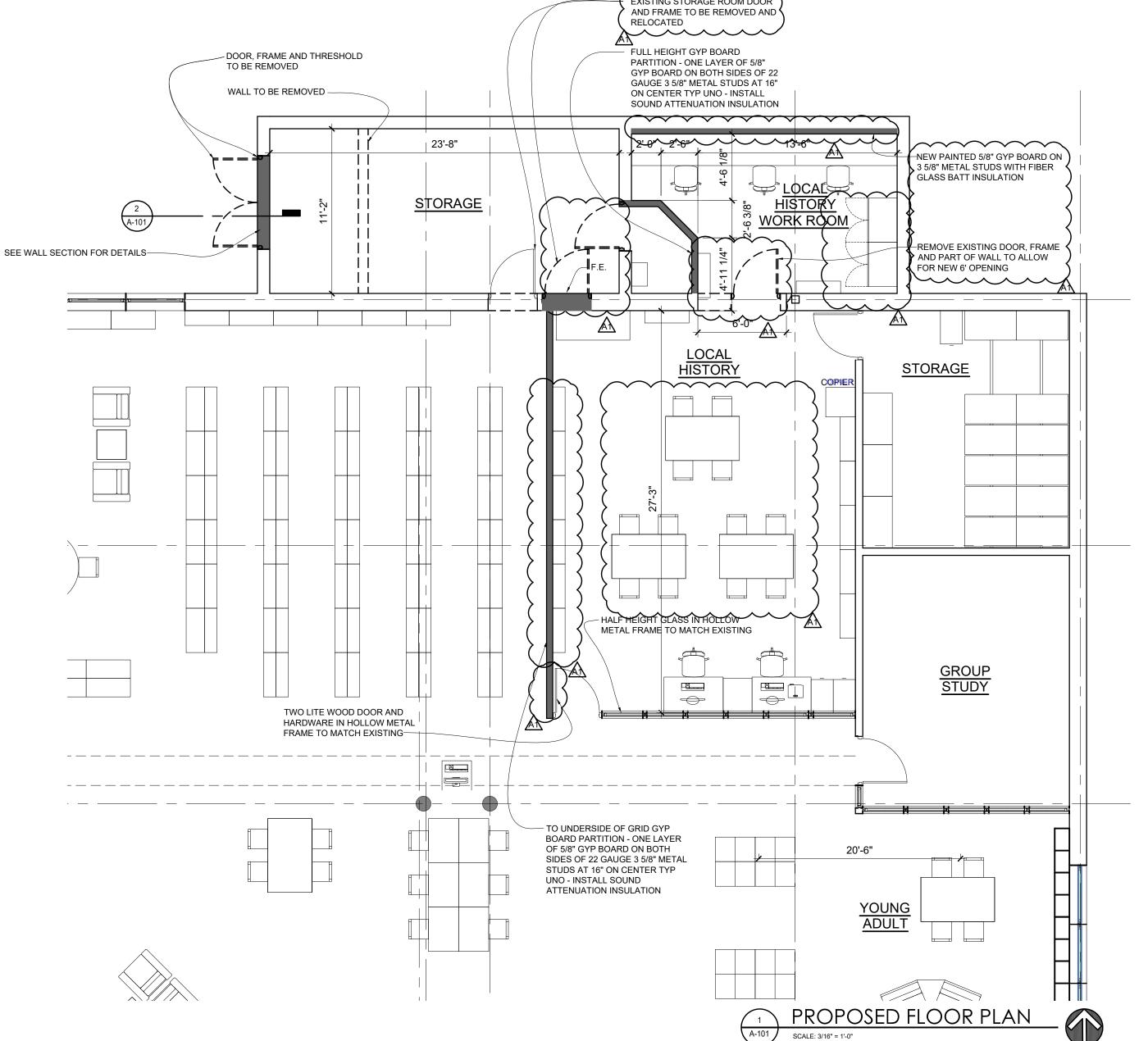
  13. ALL GYP. BD. SHALL BE ATTACHED TO FRAMING AS OUTLINED:
  - A. ADHERED WITH A CONT. BEAD OF DRYWALL ADHESIVE TO EACH FRAMING MEMBER. ADHESIVE SHALL MEET ASTM C557 STANDARDS AND BE INSTALLED PER THE ADHESIVE MANUFACTURER AND 'USG' RECOMMENDATIONS.
  - B. MECHANICALLY FASTENED WITH 1-5/8" TYPE 'S' BUGLE HEAD SCREWS.
     C. GYP. BD. SHALL BE APPLIED PERPENDICULAR TO WALL AND CEILING FRAMING WITH SCREWS AT 16" OC AT ENDS, AT EACH FRAMING MEMBER ALONG EDGES, AND WITH ONE FIELD SCREW PER FRAMING MEMBER.
- 16. ALL INTERIOR AND EXTERIOR PAINT SHALL BE FURNISHED AND INSTALLED PER THE 'ARCHITECTURAL PAINTING SPECIFICATION MANUAL', LATEST EDITION, PUBLISHED BY THE 'MASTER PAINTERS INSTITUTE'.
- 17. ALL SEALANTS SHALL COMPLY WITH AND BE INSTALLED TO COMPLY WITH THE RECOMMENDATIONS IN 'ASTM C 1193' AS APPLICABLE TO THE MATERIALS, APPLICATIONS, AND CONDITIONS BEING USED.
- 18. CONTRACTOR TO CAREFULLY REVIEW DRAWINGS AND REPORT ANY DISCREPANCIES TO ARCHITECT. THE CONTRACTOR SHALL ACCEPT RESPONSIBILITY FOR DISCREPANCIES IDENTIFIED AFTER AWARD OF THE CONTRACT AND THOSE DISCREPANCIES SHALL BE INTERPRETED PER THE SOLE DISCRETION OF THE ARCHITECT WITH NO ADVERSE IMPACT ON THE CONTRACT AMOUNT.
- 19. THE GENERAL CONTRACTOR MAY SUBMIT SPECIFICATIONS FOR ALTERNATE MATERIALS AND FIXTURES FOR CONSIDERATION BY THE ARCHITECT FOR ALL SPECIFIED MATERIALS AND FIXTURES
- 20. EXIT AND TOILET ROOM DOORS SHALL BE IDENTIFIED WITH ACCESSIBLE SIGNAGE PER SECTION 110 MBC 2012 AND 703.4.5 ICC/ANSI A117.1-2003

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ISSUED:

04/12/2024 PERMIT

06/14/24 ADDENDUM 1

33610 GRAND RIVER FARMINGTON, MI, 48335 www.mcdarchitects.com 248-374-0001

BUILDING RENOVATION

MARSHALL DISTRICT LIBRARY RENOVATIONS

124 W GREEN ST. MARSHALL, MICHIGAN 49068

COVER SHEET & PROPOSED FLOOR PLAN



DRAWN BY: GS

APPROVED BY: SS

PROJECT NO. SHEET NO.

23283 A-101



- DASHED LINES DENOTE EXISTING CONSTRUCTION TO BE REMOVED (UNO) CONTRACTOR SHALL COMPLETELY REMOVE ALL ELECTRICAL HARDWARE, CABLES, ETC. LOCATED IN
- EXISTING WALLS TO BE REMOVED. ALL ELECTRICAL REMOVAL SHALL BE COMPLETE AND BACK TO EITHER THE SOURCE OR TO A POINT OF
- CONNECTION FOR NEW ELECTRICAL FIXTURE TIE IN, INCLUDING, BUT NOT LIMITED TO; CONDUIT, WIRE, BOXES, LOW VOLTAGE DEVICES, SWITCHES, AND FIXTURES.
- DEMOLITION CONTRACTOR TO PROVIDE TEMPORARY SHORING/ BRACING AS REQUIRED DURING THE
- REMOVAL OF STRUCTURAL ELEMENTS & SELECTIVE DEMOLITION. SEE FLOOR PLAN FOR DIMENSIONS AND LOCATIONS OF NEW CONSTRUCTION.

LEGEND

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**GENERAL NOTES** 

EXISTING CONSTRUCTION TO REMAIN

1. ALL CONDITIONS AND DIMENSIONS ARE TO BE VERIFIED IN THE FIELD.

DRAWINGS UNLESS OTHERWISE DIRECTED BY THE ARCHITECT..

2. NOTES TO ALIGN CONSTRUCTION OVERRIDE ANY DIMENSION GIVEN ON THE

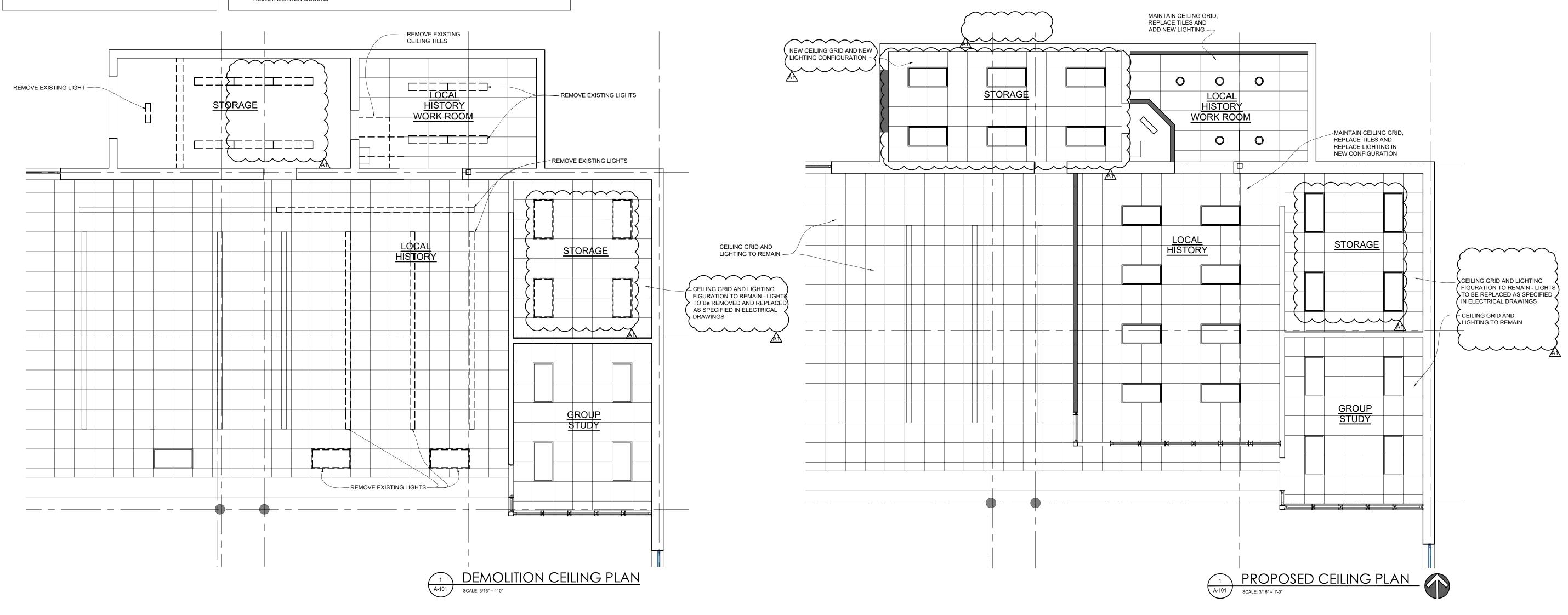
4. CONTRACTOR TO COORDINATE EXISTING CONDITIONS AND DEMOLITION WITH

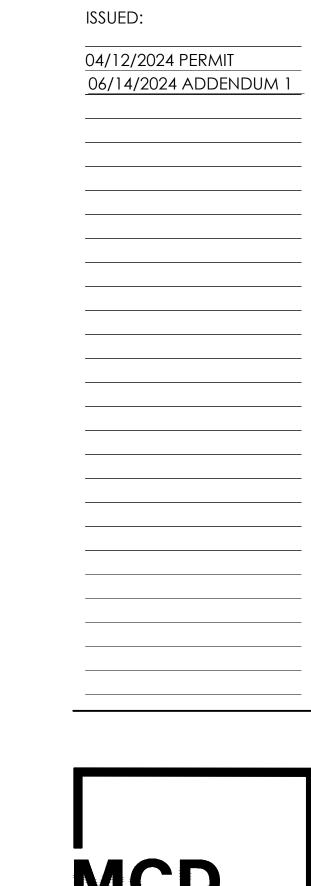
3. VERIFY AND COORDINATE WITH THE ARCHITECT WHEN DISCREPANCIES

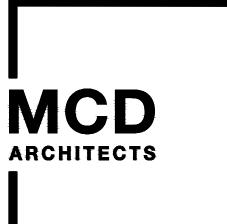
EXISTING CONSTRUCTION (INCLUDING CEILING

TILES AND GRID SYSTEM) TO BE REMOVED

- 6. CAREFULLY REMOVE ALL MATERIALS AS INDICATED AND PROPERLY/ LEGALLY DISPOSE AS REQUIRED IN
- CONTRACTOR SUPPLIED DUMPSTERS. FOR ITEMS TO BE REMOVED- REMOVE ALL MISCELLANEOUS ITEMS/ ACCESSORIES RELATED TO
- 8. CAREFULLY DISMANTLE, REMOVE, SALVAGE & PROTECT ANY DEMOLITION OR REMOVABLE ITEMS TO BE
- RE-USED AS INDICATED IN THE DRAWINGS AND AS DIRECTED BY THE OWNER OR ARCHITECT IN SUCH A MANNER AS TO PREVENT DAMAGE CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE INCURRED TO EXISTING
- BUILDING/PROPERTY AS A RESULT OF DEMOLITION ACTIVITIES. 10. ALL DEMOLITION WORK TO CONFORM TO LOCAL CODES/ORDINANCES AND BE DONE IN SUCH A MANNER AS TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THE OWNERS, NEIGHBORS, SUB-CONTRACTORS,
- GENERAL PUBLIC. THE CONTRACTOR IS RESPONSIBLE TO IDENTIFY TO THE OWNER OF ANY POTENTIAL RISKS PRIOR TO DEMOLITION WORK. 11. PROTECT WALLS, CEILINGS, FLOORS, AND OTHER EXISTING FINISH WORK THAT IS TO REMAIN AND IS
- EXPOSED DURING SELECTIVE DEMOLITION OPERATIONS 12. UPON DEMOLITION/ REMOVAL OF ITEMS THE CONTRACTOR IS RESPONSIBLE TO CLEAN EXISTING
- SURFACES FOR NEW/ FINISHED APPEARANCE. 13. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INVESTIGATE AND CONFIRM ALL EXISTING CONDITIONS AND TO NOTIFY THE OWNER AND ARCHITECT OF EXISTING CONDITIONS THAT ARE UNFORESEEN OR ARE DIFFERENT FROM CONDITIONS THAT ARE DEPICTED IN THE CONTRACT
- DOCUMENTS. 14. CONTRACTORS ARE ENCOURAGED TO VISIT THE SITE TO UNDERSTAND THE SCOPE OF SELECTIVE
- DEMOLITION PRIOR TO SUBMITTING BIDS. 15. CONTRACTOR TO PROVIDE TEMPORARY SHORING & BRACING OF LOAD BEARING STRUCTURE AS
- REQUIRED. 16. CONTRACTOR TO COORDINATE WITH OWNER TO IDENTIFY ITEMS TO BE REMOVED AND SALVAGED FOR REUSE - CONTRACTOR TO STORE SALVAGED ITEMS IN A SECURE, PROTECTED, AREA UNTIL REINSTALLATION OCCURS







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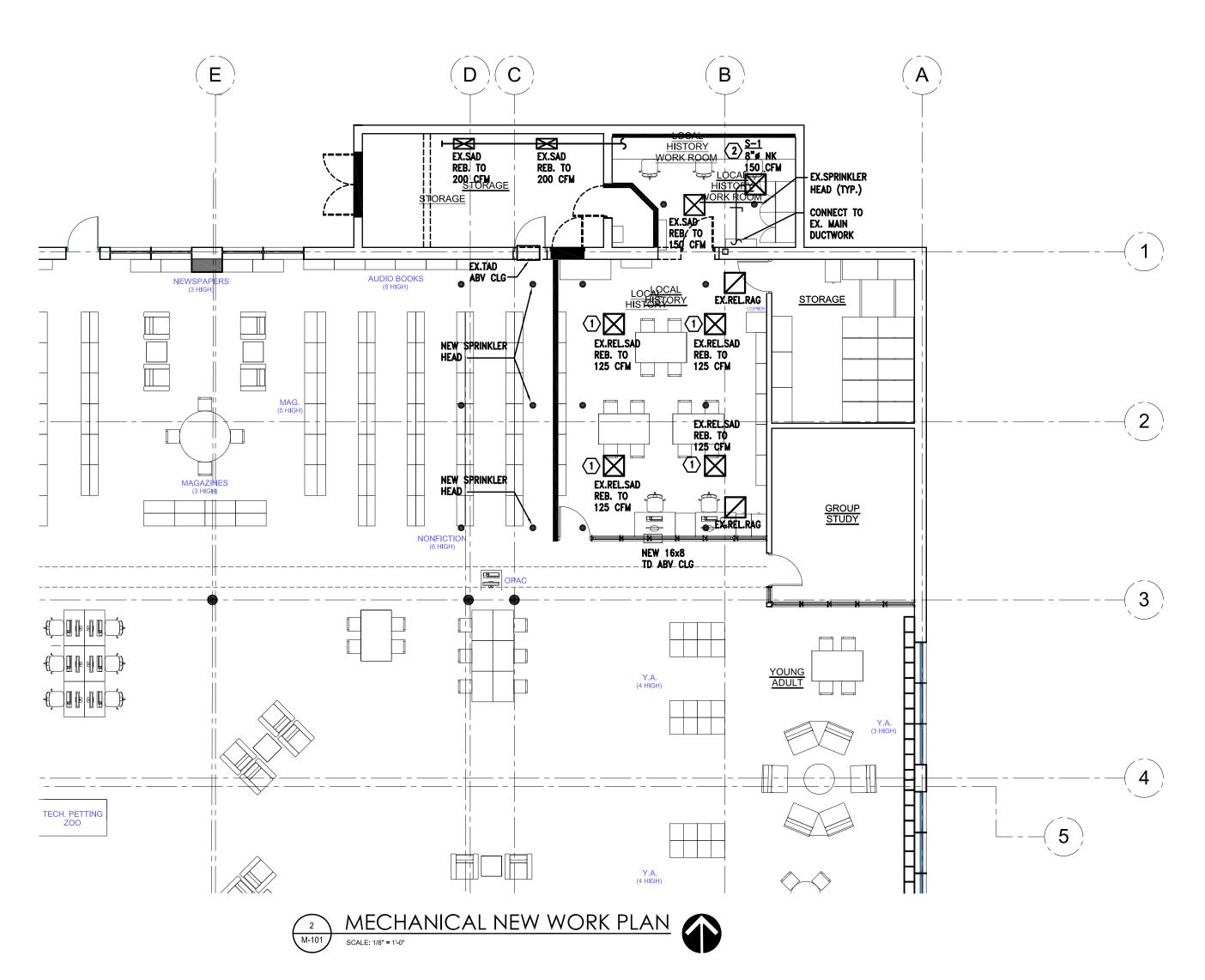
REFLECTED CEILING PLANS



DRAWN BY: GS APPROVED BY: SS

PROJECT NO. SHEET NO.

23283 | A-102

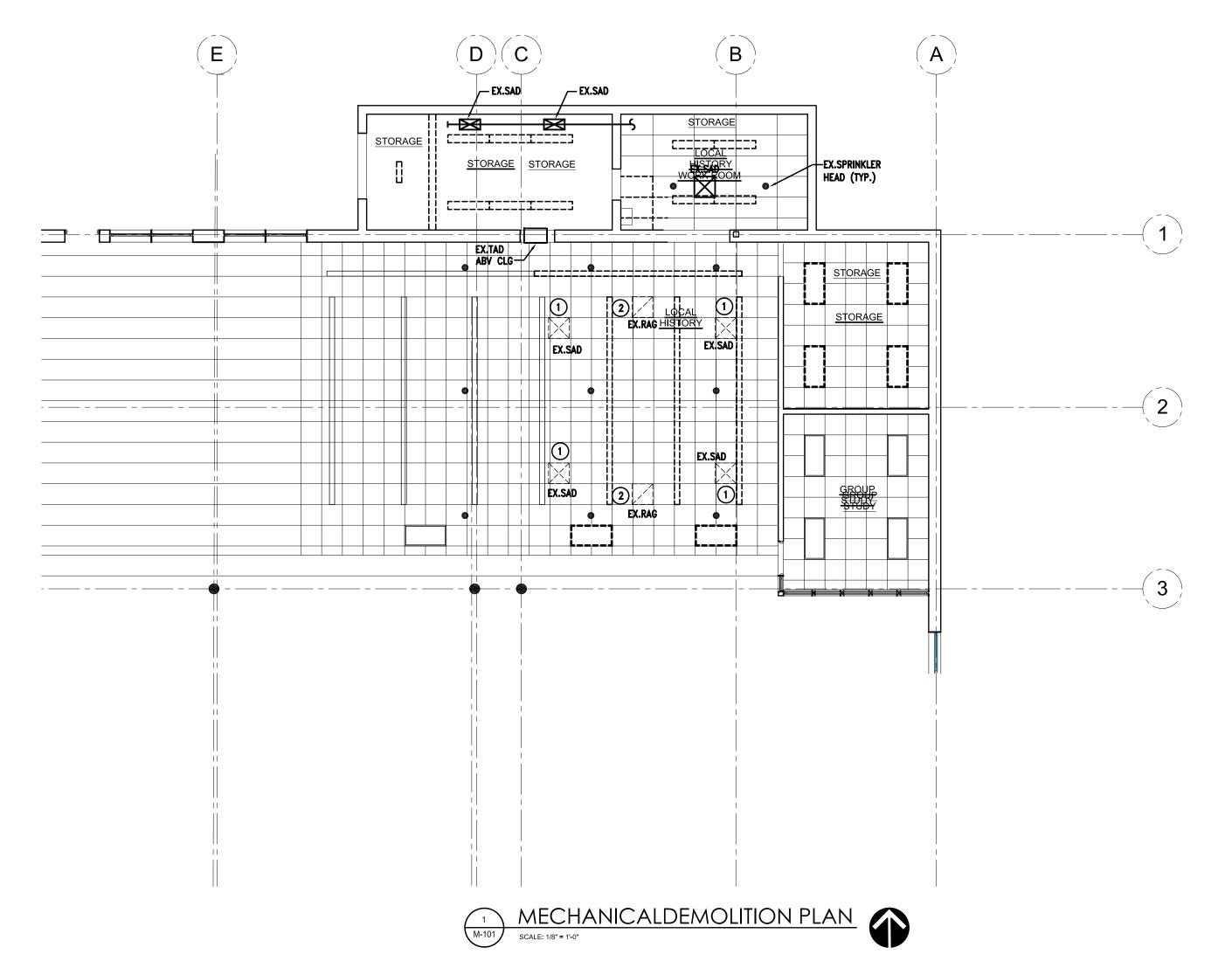


NEW WORK KEY NOTES:

1 RELOCATED EXISTING DIFFUSER. EXTEND / PROVE NEW BRANCH DUCT (8"#) AS REQUIRED. REBALANCE PER VALUE INDICATED.

2 S-1, NEW DIFFUSER BY TITUS TMS, 24x24, COLOR TO MATCH EXISTING.

		Ol	UTDOOF	R AIR RE	QUIREM	ENT - MA	RSHAL	L DISTR	ICT LIBRARY			
EXIS	TING UNIT				% OF O	UTDOOF	R AIR:	20	COOL EZ =	1.0	HEAT EZ =	0.8
			REFE	RENCE COD	E: INTERNA	TIONAL MECI	HANICAL C	ODE 2015, T	ABLE 403.3			
NO	ROOM NAME	MAX. OCCUPANT LOAD (PERSONS / 1000 SF)	PEOPLE OUTDOOR AIR RATE (CFM)	AREA (SF)	AREA OUTDOOR AIR (CFM/FT2)	MAX. NO. OF PEOPLE	SUPPLY (CFM)	RETURN / EXHAUST (CFM)	COOLING EFFECTIVENESS OA REQUIRED	HEATING EFFECTIVENESS OA REQUIRED	OUTDOOR AIR REQUIRED	OUTDOOR AIR PROVIDED
1	STORAGE	0	0.0	260	0.12	0	400	400	31	39	39	80
2	LOCAL HISTORY WORKROOM	5	5.0	175	0.06	1	300	300	15	19	19	60
3	LOCAL HISTORY WORKROOM	5	5.0	560	0.06	3	500	500	48	60	60	100



DEMOLITION KEY NOTES:

1 REMOVE, CLEAN AND RELOCATE EXISTING SUPPLY AIR DIFFUSER. EXTEND BRANCH DUCT AS NECESSARY.

2 REMOVE, CLEAN AND RELOCATE EXISTING RETURN AIR GRILLE.

ISSUED:
PERMITS 04.12.24
ADDENDUM 1 06.14.24

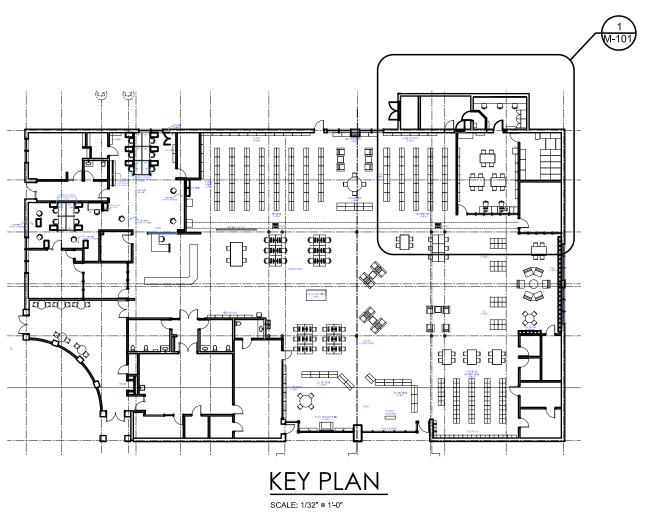


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BUILDING RENOVATION

# MARSHALL DISTRICT LIBRARY RENOVATIONS

124 w Green st. marshall, michigan 49068



MECHANICAL NEW WORK PLANS

DRAWN BY: GS

APPROVED BY: SS

PROJECT NO. SHEET NO. 23283 M-101

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### ELECTRICAL LECENT

		ELECTRICAL LEGEND *
	"A"	FIXTURE TYPE
		1x4 LIGHT FIXTURE  POLE MOUNTED LIGHTING FIXTURE
ļ		STRIP LIGHTING FIXTURE
		2'X2' OR 2'X4' LIGHTING FIXTURE  FULL SHADED LIGHTING FIXTURES ARE WIRED UNSWITCHED NIGHT
		HALF SHADED FIXTURES ARE FIXTURES PROVIDED WITH BUILT-IN EMERGENCY BATTERY PACK FOR EGRESS LIGHTING
	О	RECESSED DOWN LIGHT
	O III	WALL MOUNTED LIGHTING FIXTURE
	<u> </u>	TRACK LIGHTING FIXTURE  EXIT LIGHTING FIXTURE — SHADING INDICATES ILLUMINATED FACE (S) CHEVRONS AS INDICATED
	∞ 4 <u>+</u> 2° 4 <b>3</b> 4	EMERGENCY LIGHTING UNIT  COMBINATION OF EXIST AND EMERGENCY LIGHTING UNIT
	S S2	SINGLE POLE LIGHT SWITCH  DOUBLE POLE LIGHT SWITCH
	S <sub>3</sub>	THREE WAY LIGHT SWITCH
	S4 Sk	FOUR WAY LIGHT SWITCH  KEY OPERATED SWITCH
	S <sub>P</sub>	LIGHT SWITCH WITH PILOT LIGHT
ļ	S <sub>P3</sub>	THREE WAY LIGHT SWITCH WITH PILOT LIGHT
	Sd Smd	DIMMER SWITCH, COMPATIBLE WITH LIGHTS CONTROLLED  DIMMER SWITCH WITH WALL OCCUPANCY SENSOR (SINGLE POLE)
	S <sub>D3</sub>	THREE WAY LIGHT SWITCH WITH DIMMER
	Slv	LOW VOLTAGE CONTROL STATION WITH DIMMING CAPABILITIES, NUMBER OF BUTTONS AS INDICATED TO PROVIDE PRESET SCENES, RISER, LOWER, ON, OFF CONTROL FOR ZONES INDICATED, COORDINATE WITH LIGHT DIMMING CONTRACTOR FOR DEVICE MODEL NUMBERS, QUANTITIES, LOCATIONS, AND ADDITIONAL REQUIREMENTS.
	<b>₹PD</b>	RELAY PACK WITH 0-10V DIMMING OUTPUT
3:25pm	\$\$	DUAL LEVEL SWITCHING
3.7	-05)-	CEILING MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGY (PASSIVE INFRARED AND MICROPHONIC/ULTRASONIC), WITH AUXILIARY RELAY FOR HVAC
2024 - 3	•	CONTROL. PROVIDE QUANTITY OF 20A, 120V/277V RATED POWER PACKS AND RELAY PACKS AS REQUIRED TO CONTROL SWITCH LEGS INDICATED. ALL FIXTURES IN ROOM/SPACE ARE TO BE CONTROLLED BY THE SENSORS. COORDINATE WITH GASSER BUSH LIGHTING CONTROL DOCUMENTS FOR DEVICE MODEL NUMBERS, QUANTITIES, LOCATIONS, AND ADDITIONAL REQUIREMENTS.
	Su	WALL MOUNTED VACANCY SENSOR, SINGLE POLE. DUAL TECHNOLOGY (PASSIVE INFRARED AND MICROPHONICS/ULTRASONIC), 120/277V. SWITCH IS
Jun		RATED 800W AT 120V AND 1200W AT 277V, 1/4 HP. IVORY WITH STAINLESS STEEL COVERPLATE. FACTORY COLOR—MATCHED PLATE IS NOT
, 1/		ACCEPTABLE. COORDINATE WITH GASSER BUSH LIGHTING CONTROL DOCUMENTS FOR DEVICE MODEL NUMBERS, QUANTITIES, LOCATIONS, AND ADDITIONAL REQUIREMENTS.
딝	Suz	SAME AS SM EXCEPT WITH DUAL POLE
ĕ١		
Mon	(XXXX)	LIGHTING CONTROL TAG
H	Ф Ф	LIGHTING CONTROL TAG  SINGLE RECEPTACLE  DUPLEX RECEPTACLE
gwb.	φ φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER
END.dwg	φ <b>•</b>	SINGLE RECEPTACLE  DUPLEX RECEPTACLE
GEND.dwg	φ φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE
LEGEND.dwg	Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER
-EC LEGEND.dwg	Φ Φ Φ Φ Ψ Ψ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)
- ELEC LEGEND.dwg	Φ Φ Φ Φ Ψ Ψ Φ <sub>c</sub>	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER
- ELEC LEGEND.dwg	Φ Φ Φ Φ Ψ Ψ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED
- ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS
- ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ <sub>c</sub> Φ <sub>s</sub>	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLATION
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C/85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ <sub>c</sub> Φ <sub>s</sub>	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE
LEC\85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED
LEC\85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX
LEC\85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED
LEC\85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE
LEC\85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6° ABOVE WINDOW, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)
enovations\CAD\ELEC\85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION VOICE/DATA (W: WALL  WITH SINGLE MUD
Renovations/CAD/ELEC/85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6° ABOVE WINDOW, COORDINATE WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION DATA AND TELEPHONE OUTLET  PHONE OUTLET SAME AS  COMBINATION MOVES (DATA (W. WALL)  DOUBLE GANG BOX
enovations\CAD\ELEC\85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION DATA AND TELEPHONE OUTLET TOWN OUTLED SAME AS COMBINATION VOICE/OATA (W: WALL MOUNTED AT +48")  UNLESS OTHERWISE NOTED PROVIDE DOUBLE GANG BOX WITH SINGLE MUD RING AND 3/4"C UP
Library Renovations/CAD/ELEC/85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE – NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION VOICE/DATA (W: WALL MOUNTED AT +48")  DATA OUTLET  TELEVISION OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING AND 3/4"C UP TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING AND 1"C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING AND 1"C TO CEILING, TERMINATE CONDUIT WITH
Library Renovations/CAD/ELEC/85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX  RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION DATA AND TELEPHONE OUTLET  PHONE OUTLET SAME AS  COMBINATION TO HORD WITH SINGLE GANG BOX WITH SINGLE MUD  MOUNTED AT +48")  DATA OUTLET, DOUBLE GANG BOX WITH SINGLE MUD  RING AND 3/4"C UP  TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C TO CEILING, TERMINATE CONDUIT WITH  INSULATING BUSHING, PROVIDE PULL STRING  DUPLEX RECEPTACLE & DATA/PHONE FLUSH FLOOR MOUNTED
Library Renovations/CAD/ELEC/85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX  RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE, FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION VOICE/DATA (W: WALL MOUNTED AT +48")  DATA OUTLET  PHONE OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING AND 1"C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING AND 1"C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH 1 1/4"C TO ABOVE ACCESSIBLE CEILING, TERMINATE CONDUIT WITH INSULATING BUSHING, PROVIDE PULL STRING
Library Renovations/CAD/ELEC/85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI) ON  EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE  MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/  ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX  RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION VOICE/DATA (W: WALL MOUNTED AT +48")  DATA OUTLET  THOROW OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH 1 1/4"C  TO ABOVE ACCESSIBLE CEILING, TERMINATE CONDUIT WITH  INSULATING BUSHING, PROVIDE PULL STRING  DUPLEX RECEPTACLE & DATA/PHONE FLUSH FLOOR MOUNTED  TWO GANG (26) FLUSH RECTANGULAR STAMPED STEEL
Library Renovations/CAD/ELEC/85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6* ABOVE WINDOW, COORDINATE WITH OWNER/ ARCHITECT PROIR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX  RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION VOICE/DATA (W: WALL MOUNTED AT +48")  DATA OUTLET  TELEVISION OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING AND 3/4"C UP TO CEILING SPACE  AUDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING AND 3/4"C UP TO CEILING SPACE  AUDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING AND 3/4"C UP TO CEILING SPACE  AUDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING AND 3/4"C UP TO CEILING SPACE  AUDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING AND 3/4"C UP TO CEILING SPACE  DUPLEX RECEPTACLE & DATA/PHONE FLUSH FLOOR MOUNTED  TWO GANG (26) FLUSH RECTANGULAR STAMPED STEEL  CEILING MOUNTED TWO GANG (26) FLUSH BOX, DUPLEX RECEPTACLE & DATA/PHONE COMPARTMENTS  FLOOR MOUNTED THREE GANG (36) FLUSH BOX, DUPLEX
Library Renovations/CAD/ELEC/85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE MOUNTED 6° ABOVE WINDOW, COORDINATE WITH OWNER/ ARCHITECT PROR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX  RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION DATA AND TELEPHONE OUTLET  PHONE OUTLET, DOUBLE GANG BOX WITH SINGLE MUD  RING AND 3/4°C UP  TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD  RING AND 3/4°C UP  TO CEILING SPACE  TELEVISION OUTLET, DOUBLE GANG BOX WITH SINGLE MUD  RING AND 3/4°C UP  TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1°C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1°C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1°C TO CEILING SPACE  TELEVISION OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1°C TO CEILING SPACE  TELEVISION OUTLET, DOUBLE GANG BOX WITH SINGLE MUD  TO ABOVE ACCESSIBLE CEILING, TERMINATE CONDUIT WITH  INSULATING BUSHING, PROVIDE PULL STRING  DUPLEX RECEPTACLE & DATA/PHONE FLUSH FLOOR MOUNTED  TWO GANG (2G) FILUSH RECTANGULAR STAMPED STEEL  EQUIVALENT TO HUBBELL #B2432 WITH #S3826 FLIP TOP COVER  CEILING MOUNTED TWO GANG (2G) FLUSH BOX, DUPLEX RECEPTACLE  ELICON MOUNTED THREE GANG (3G) FLUSH BOX, DUPLEX  RECEPTACLE, A/V & DATA/PHONE COMPARTMENTS
Library Renovations/CAD/ELEC/85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE  MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX  RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION DATA AND TELEPHONE OUTLET  PHONE OUTLET SAME AS  COMBINATION VOICE/DATA (W: WALL  MOUNTED AT +48")  DATA OUTLET  TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C TO CEILING SPACE  AUDIO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C TO CEILING SPACE  TELEVISION OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C TO CEILING SPACE  CEILING MOUNTED THREE GANG (3G) FLUSH BOX, DUPLEX RECEPTACLE  & DATA/PHONE COMPARTMENTS  FLOOR MOUNTED THREE GANG (3G) FLUSH BOX, DUPLEX  RECEPTACLE, A/V & DATA/PHONE COMPARTMENTS  CEILING MOUNTED THREE GANG (3G) FLUSH BOX, DUPLEX  RECEPTACLE, A/V & DATA/PHONE COMPARTMENTS
Library Renovations/CAD/ELEC/85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE  MOUNTED 6" ABOVE WINDOW, COORDINATE WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION  COMBINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINGLE GANG BOX WITH DUPLEX  RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUITON STATION (1, 2, OR 3 BUITON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION DATA AND TELEPHONE OUTLET  PHONE OUTLET SAME AS  COMBINATION DATA AND TELEPHONE OUTLET  PHONE OUTLET SAME AS  COMBINATION DATA AND TELEPHONE OUTLET  PHONE OUTLET SAME AS  COMBINATION DATA AND TELEPHONE OUTLET  PHONE OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C" TO CEILING SPACE  ALDIDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C" TO CEILING SPACE  ALDIDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C" TO CEILING SPACE  ALDIDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C" TO CEILING SPACE  ALDIDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C" TO CEILING SPACE  ALDIDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C" TO CEILING SPACE  ALDIDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 1"C" TO CEILING SPACE  ALDIDO/VIDEO OUTLET, DOUBLE GANG BOX WITH SINGLE MUD RING  AND 3"A"C UP  TO CEILING MOUNTED THORE GANG (3G) FLUSH BOX, DUPLEX RECEPTACLE  & DATA/PHONE COMPARTMENTS  FLOOR MOUNTED THREE GANG (3G) FLUSH BOX, DUPLEX  RECEPTACLE, A/V & DATA/PHONE COMPARTMENTS  WILTI-SERVICE STAMPED STEEL F
rary Renovations\CAD\ELEC\85290-E-001 - ELEC LEGEND.dwg	Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ Φ	SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE ON EMERGENCY POWER  QUADRUPLEX RECEPTACLE ON EMERGENCY POWER  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE WITH GROUND FAULT (GFCI)  SAME AS DUPLEX RECEPTACLE EXCEPT CEILING MOUNTED  SAME AS DUPLEX RECEPTACLE EXCEPT SHOW WINDOW TO BE  MOUNTED 6" ARBOVE WINDOW, COORDINATE WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION  COMMINATION DUPLEX POWER RECEPTACLE AND TWO USB PORTS  SAME AS DUPLEX RECEPTACLE EXCEPT HORIZONTALLY MOUNTED  COMMERCIAL GRADE CORD REEL WITH GFCI MOUNTED TO STEEL STRUCTURE  FLUSH FLOOR MOUNTED SINCLE GANG BOX WITH DUPLEX  RECEPTACLE, FLANGE AND COVER  SPECIAL PURPOSE RECEPTACLE — NEMA TYPE  DUPLEX RECEPTACLE FLOOR MOUNTED  CEILING JUNCTION BOX  WALL JUNCTION  PUSH BUTTON STATION (1, 2, OR 3 BUTTON)  DOOR ACTIVATOR PUSH PLATE  ELECTRIC CLOCK OUTLET  COMBINATION DATA AND TELEPHONE OUTLET  PHONE OUTLET SAME AS  COMBINATION VOICE/DATA (W: WALL  MOUNTED AT +48")  DATA OUTLET  TELEVISION OUTLET, DOUBLE GANG BOX WITH SINGLE MUD  RING AND 3/4"C UP  TO ABOVE ACCESSIBLE CELLING, TERMINATE CONDUIT WITH  INSULATING BUSHING, PROVIDE PULL STRING  DUPLEX RECEPTACLE & DATA/PHONE FLUSH FLOOR MOUNTED  TO ABOVE ACCESSIBLE CELLING, TERMINATE CONDUIT WITH  INSULATING BUSHING, PROVIDE PULL STRING  DUPLEX RECEPTACLE & DATA/PHONE FLUSH FLOOR MOUNTED  TO BOY ACCESSIBLE CELLING, TERMINATE CONDUIT WITH  INSULATING BUSHING, PROVIDE PULL STRING  DUPLEX RECEPTACLE & DATA/PHONE FLUSH FLOOR MOUNTED  THO GANG (2G) FLUSH RECTANGULAR STAMPED STEEL  EQUIVALENT TO HUBBELL #B2432 WITH #S3826 FLIP TOP COVER  CEILING MOUNTED THREE GANG (3G) FLUSH BOX, DUPLEX  RECEPTACLE, A/Y & DATA/PHONE COMPARTMENTS  MULTI—SERVICE STAMPED STEEL FLUSH BOX, DUPLEX  RECEPTACLE, A/Y & DATA/PHONE COMPARTMENTS  MULTI—SERVICE STAMPED STEEL FLUSH BOX, DUPLEX  RECEPTACLE, A/Y & DATA/PHONE COMPARTMENTS  MULTI—SERVICE STAMPED STEEL FLUSH BOX, DUPLEX  RECEPTACLE SA/Y & DATA/PHONE COMPARTMENTS

00	FLOOR MOUNTED TWO GANG (2G) POWER AND DATA COMPARTMENTS	FLUSH B	NITURE CONNECTION	
	FIRE RATED FLUSH FLOOR POKE RECEPTACLE & LOW VOLTAGE CO			
<b>600</b>	FIRE RATED FLUSH FLOOR POKE AND DATA COMPARTMENTS FOR F			
H®~s H®~s H①~es	JUNCTION BOX FOR FLEXIBLE CONN FURNITURE WHIP PROVIDED BY FUR 1°C OR 1 1/4°C FOR DATA TO AB NOTED. COORDINATE LOCATION WITH PROVIDE FINAL CONNECTION AND CO	NITURE SUI OVE ACCES I FURNITUR	PPLIER. FOR NEW WORK PROVIDE SSIBLE CEILING. UNLESS OTHERWISE E SYSTEM SUPPLIER.	GENERAL REQUIREMENTS:  ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, LATEST EDITION, AND ALL LOCAL AND STATE AUTHORITIES HAVING JURISDICTION THEREOF.
WIREMOLD 4000	SURFACE MOUNTED RACEWAY TWO SERIES, MOUNTED AT 24"AFF TO DIRECTED BY ARCHITECT. POWER PROVIDE OUTLETS AS SHOWN.	THE CENT	TER OF RACEWAY OR AS	ALL EQUIPMENT SHALL BE SPECIFICATION GRADE AND SHALL HAVE U.L. LABEL FOR INTENDED USE.  ELECTRICAL SYSTEMS SHALL BE COMPLETE IN EVERY DETAIL, INCLUDING ALL INCIDENTAL ITEMS FOR A PROPER AND FUNCTIONING INSTALLATION SUBJECT TO FINAL APPROVAL OF
	DISTRIBUTION PANEL SURFACE MOUNTED LIGHTING AND	OR RECE	PTACLE PANEL	ARCHITECT/ENGINEER.  ALL REQUIRED PERMIT AND INSPECTIONS SHALL BE OBTAINED BY CONTRACTOR AND SUCH COSTS
	RECESSED MOUNTED LIGHTING AN	-		SHALL BE INCLUDED IN BID PRICE FOR THIS WORK.  PROVIDE UL LISTED SYSTEM FOR FIRE STOPPING PENETRATIONS THROUGH FIRE RATED
CB CB	MOLDED CASE CIRCUIT BREAKER  MOLDED CASE CIRCUIT BREAKER  MOTOR — SINGLE PHASE			ASSEMBLIES. PROVIDE SYSTEM WITH EQUAL OR GREATER RATING THAN ASSEMBLY. REFER TO ARCHITECTURAL DOCUMENTS FOR RATINGS AND LOCATIONS OF ASSEMBLIES.  EXAMINATION OF SITE IS MANDATORY. CONTRACTOR IS HEREBY HELD TO HAVE EXAMINED THE
Ø	MOTOR — THREE PHASE  MANUAL SINGLE PHASE MOTOR STATES FOR MOTOR APPLICATIONS. MANUAL			SITE AND HAVE INCLUDED IN HIS BID PRICE ALL COSTS DUE TO SITE AND FIELD CONDITIONS.  COMPLETE IDENTIFICATION OF PROJECT ELECTRICAL COMPONENTS IS REQUIRED. IDENTIFY ALL PANELS, DISCONNECTS, CONTROL DEVICES, ETC., WITH THE NOMENCLATURE INDICATED ON THE DOCUMENTS AND WITH POWER SOURCE AND ELECTRICAL RATINGS USING PLASTIC LAMINATE NAMEPLATE. INSTALL TYPEWRITTEN DIRECTORIES OF ALL CIRCUITS ON INSIDE OF PANELS.
	LIGHT, LOCKABLE OFF AND WITHOU APPLICATIONS TO EQUIPMENT NOT APPLICATIONS WHERE OVERLOADS FLUSH MOUNT STARTERS / SWITC IN UNFINISHED SPACES.	REQUIRING ARE INTEG	G OVERLOADS AND FOR GRAL TO MOTOR-BASED LOADS.	IDENTIFY WIRING DEVICE COVERPLATES WITH PANELBOARD AND BRANCH CIRCUIT NUMBER SERVING DEVICE, E.G. "A-15". PROVIDE ½" MACHINE-WRITTEN BLACK LETTERING ON CLEAR PLASTIC ADHESIVE TAPE. LOCATE ON BOTTOM FRONT OF COVERPLATE, CENTERED BELOW WIRING DEVICE(S) SUBMIT SAMPLE OF LABELED TAPE WITH WIRING DEVICE/COVERPLATE SUBMITTAL. SAMPLE MAY BE ADHERED TO PAPERWORK IN SUBMITTAL, RATHER THAN TO A COVERPLATE.
	FUSIBLE DISCONNECT SWITCH THREE PHASE COMBINATION MAGN		BLE MOTOR STARTER	PROVIDE TEMPORARY POWER AND LIGHTING DURING CONSTRUCTION. REMOVE TEMPORARY WIRING UPON COMPLETION OF THE PROJECT. TEMPORARY SERVICES SHALL BE AS REQUIRED, BY N.E.C. AND OSHA. CONTRACTOR IS RESPONSIBLE TO MEET WITH UTILITY TO FOR TEMPORARY POWER PROVISION AND ALL REQUIRED SKID UNITS.
<u> </u>	BUS PLUG FUSIBLE DISCONNECT		DEE MOTOR STARTER	GROUND CONTINUITY SHALL BE MAINTAINED THROUGHOUT THE ELECTRICAL SYSTEM. INSTALL EQUIPMENT GROUNDING CONDUCTOR WITH EVERY CIRCUIT.
С	TRANSFORMER  CONTACTOR			COORDINATE SIZE AND LOCATION OF ANY REQUIRED ACCESS PANELS IN WALLS OR FINISHED
<u> </u>	METER			CEILINGS WITH ARCHITECT PRIOR TO INSTALLATION. WARRANTY:
—	GROUND HOMERUN TO LIGHTING PANEL CABLE TRAY			UNLESS A LONGER PERIOD IS SPECIFIED IN INDIVIDUAL PARAGRAPHS, PROVIDE A MINIMUM OF ONE YEAR WARRANTY ON ALL ELECTRICAL WORK BEGINNING THE DATE OF FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER.  SUBMITTALS:
	GROUNDING BUSBAR			SUBMIT SHOP DRAWINGS FOR ALL MAJOR COMPONENTS OR SYSTEMS OF THE PROJECT. SUBMIT ADDITIONAL SHOP DRAWINGS IF REQUESTED BY ENGINEER.
— PS <b>—□</b> EF	PLUG-IN STRIP EXHAUST FAN	EWC	ELECTRIC WATER COOLER	NO APPARATUS OR EQUIPMENT SHALL BE SHIPPED FROM STOCK OR FABRICATED UNTIL ITS SHOP DRAWINGS HAVE BEEN STAMPED 'REVIEWED" OR "APPROVED AS NOTED". SUBMIT DATA REQUIRED
EDH	ELECT. DUCT HTR.	AFF	ABOVE FINISHED FLOOR	FOR TRANSFORMERS SUCH AS EFFICIENCY, REGULATION, CORE LOSS AND SOUND LEVELS. (SEE APPLICABLE SECTIONS).
a . /5	ABOVE COUNTER	WP	WEATHERPROOF	SUBMIT SYSTEM COMPONENTS, PRODUCT DATA AND SHOP DRAWINGS COMPLETE FOR EACH SYSTEM UNDER ONE SYSTEM BETWEEN MULTIPLE
A/E CM	ARCHITECT / ENGINEER  COFFEE MAKER	RT UFD	RAINTIGHT UNDER FLOOR DUCT	SUBMITTALS.
MW	MICROWAVE	FPB	FAN POWER BOX	ALL SHOP DRAWINGS MUST BE CLEARLY MARKED TO SHOW EQUIPMENT SUBMITTED AND ANY DEVIATIONS FROM SPECIFICATIONS SHALL BE NOTED THEREON. DO NOT INCLUDE ONLY MODEL NUMBERS TO INDICATE SUBMITTED EQUIPMENT. STRIKE OUT ANY INFORMATION ON PRODUCT DATA
HOA PC	HAND-OFF-AUTOMATIC PHOTOCELL	DW GD	DISHWASHER  GARBAGE DISPOSAL	THAT IS NOT PROJECT SPECIFIC, AND EDIT RELEVANT INFORMATION TO SHOW ACTUAL EQUIPMENT SUBMITTED. ELECTRICAL CONTRACTOR MUST SIGN AND APPROVE ALL SHOP DRAWINGS PRIOR TO
HG	HOSPITAL GRADE	REF	REFRIGERATOR	SUBMITTAL. UNIQUELY NUMBER EACH PAGE IN SUBMITTAL.  IF DIFFERENT SYSTEMS ARE INCLUDED IN ONE SUBMITTAL, CLEARLY SEPARATE INFORMATION AND
UH	UNIT HEATER	(E)	EXISTING TO REMAIN	PROVIDE DIFFERENT SUB-NUMBERING OF SYSTEMS. SHOP DRAWINGS THAT ARE INCOMPLETE, UNSIGNED AND NOT PLAINLY MARKED WILL NOT BE REVIEWED.
UON	UNLESS OTHERWISE NOTED  EQUIPMENT GROUND	(RE)	RELOCATED EXISTING ISOLATED GROUND	DEMOLITION AND RENOVATION WORK:
Н	HORIZONTALLY MOUNT 6" ABOVE	COUNTER	BACK SPLASH	DISCONNECT, REMOVE, RELOCATE, REWIRE OR DISPOSE OF ANY EQUIPMENT INTERFERING WITH NEW CONSTRUCTION OR AFFECTED BY RENOVATION WORK.
GFP GFP	GROUND FAULT CIRCUIT INTERRUP  FACELESS GROUND FAULT CIRCUIT		PTED	ANY ELECTRICAL EQUIPMENT OR SYSTEMS WHICH ARE TO REMAIN, AND ARE AFFECTED BY THIS WORK, SHALL BE IMMEDIATELY RESTORED TO FULL OPERATING CONDITION AND AT NO ADDITIONAL
	POWER POLE VOICE/DATA/POWER		TEN .	COST TO THE CONTRACT.  EQUIPMENT REMOVED SHALL BE DISPOSED OF AS DIRECTED, EITHER TO STORAGE OR OFF THE
	AUDIO/VISUAL HEAD END EQUIPM	ENT		PREMISES.
DR	DRIVER FOR 24V UNDER CABINET	LED LIGH	T	WHERE SERVICES OR CIRCUITS ARE DISCONNECTED OR DISCONTINUED, IT IS MANDATORY THAT ANY EXISTING UNUSED WIRING BE REMOVED TO THE SOURCE UNLESS SPECIFICALLY NOTED ON
CR IC	CARD READER INTERCOM OUTLET			THE DRAWINGS. IT IS THE INTENT OF THIS ARTICLE TO PERMANENTLY DISCONNECT ALL UNUSED CIRCUITS AT THE MAIN SOURCE WHENEVER POSSIBLE. NO ENERGIZED CIRCUIT SHALL BE TAPED AND ABANDONED IN OUTLET BOXES UNLESS SO SPECIFIED ON DRAWINGS.
<u></u>	PHOTOELECTRIC CONTROLLER			CIRCUIT TRACE EXISTING TO REMAIN CIRCUITS AS NECESSARY FOR PROPER IDENTIFICATION, AND
WPS	COMBINE PARTITION SENSOR			AS REQUIRED TO PERFORM AND DOCUMENT WORK.
СР	POWER POLE VOICE/DATA/POWER  CONTROL PANEL, PROVIDE AS PA		F FOLLIPMENT THEY CONTROL	REMODELING WORK INVOLVING EXISTING BRANCH CIRCUIT PANELBOARD SHALL BE SUCH THAT, WHEN ALL WORK IS COMPLETED EXISTING PANELS ARE PROVIDED WITH NEW AND UPDATED ACCURATE DIRECTORIES. ALL VACATED CIRCUITS SHALL BE MARKED SPARE. WHEN NEW
TS	TIME SWITCH	XI 01 III	- EQUI MENT THE CONTROL	BREAKERS ARE REQUIRED, THEY SHALL BE INSTALLED IN EXISTING SPACES AND SHALL MATCH THOSE THAT ARE EXISTING. PROVIDE NEW PANELS IF REQUIRED AND WHERE INDICATED.
BB	BELL			CONTRACTOR MAY USE EXISTING CONDUITS AND OUTLET BOXES, PROVIDED THEY ARE IN GOOD ELECTRICAL CONDITION AND THE INSTALLATION IS APPROVED BY THE AHJ. RE—SUPPORT EXISTING
DS IC	DOOR SWITCH INTERCOM STATION			TO REMAIN CONDUIT AND BOXES IN RENOVATION AREA IF INADEQUATELY SUPPORTED. PROVIDE SUPPORT AS REQUIRED TO COMPLY WITH NEC AND AHJ REQUIREMENTS.
HEPO	EMERGENCY POWER OFF PUSHBUT	TON		IT IS THE INTENT OF THE OVERALL DESIGN TO CONCEAL ALL WORK EXCEPT IN UNFINISHED
FACP	FIRE ALARM CONTROL PANEL			AREAS. CUT AND PATCH EXISTING SURFACES AS REQUIRED FOR A CONCEALED INSTALLATION.  ALL ELECTRICAL OPENINGS THAT ARE ABANDONED IN WALLS, CEILINGS OR FLOOR SHALL BE
NACP NACP	FIRE ALARM ANNUNCIATOR PANEL  NOTIFICATION APPLIANCE CONTROL			PROVIDED WITH SUITABLE BLANK COVER PLATES. ABANDONED FLOOR OUTLETS AND PENETRATIONS SHALL BE FILLED TO MATCH EXISTING SURROUNDING CONDITIONS.
MC	MICROPHONE			CONDUITS AND OTHER PARTS OF ELECTRICAL SYSTEMS THAT BECOME EXPOSED AS A PART OF NEW WORK SHALL BE REMOVED AS REQUIRED TO A POINT WHERE THE ABANDONED PORTION IS
S	CEILING MOUNTED SPEAKER			TOTALLY CONCEALED.
(v)	VOLUME CONTROL DIAL SMOKE DETECTOR			ALL SURFACES DAMAGED BY THIS CONTRACTOR IN THE COURSE OF PERFORMING WORK SHALL BE RESTORED TO SATISFACTORY CONDITION, AS DIRECTED BY THE ARCHITECT AND ALL COSTS OF
(HD)	HEAT DETECTOR			REPAIRS SHALL BE PAID FOR BY THE CONTRACTOR
TS	TAMPER SWITCH			REMOVE SERVICE TO MECHANICAL, ELECTRICAL AND BUILDING EQUIPMENT SPECIFIED AND/OR INDICATED AS REMOVED OR DISCONNECTED. MAINTAIN CIRCUITS TO EXISTING-TO-REMAIN EQUIPMENT. IDENTIFY UNUSED, REMOVED CIRCUITS ON PANEL SCHEDULE AS SPARE. COORDINATE
(FS)	FLOW SWITCH	NECTION:	. AUDIO VICUAL DEVICE	WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR EXISTING TO REMAIN EQUIPMENT AND FOR DEMOLITION WORK.
(A/Y)	OUTDOOR FIRE DEPARTMENT CONI	4ECHUN -	HODIO VISUAL DEVICE	SERVICE SHUTDOWN AND POWER OUTAGES SHALL BE SCHEDULED WITH THE OWNER PRIOR TO PERFORMING ANY WORK ON EXISTING SERVICE. SCHEDULE SHALL BE PROVIDED IN WRITING 72
(DS)	DUCT SMOKE DETECTOR			HOURS IN ADVANCE AND SHALL SHOW A DETAILED DESCRIPTION OF THE PROPOSED WORK AND THE DURATION OF OUTAGE.
<u>(a)</u>	COMBINATION SMOKE/CO DETECTOR			PROVIDE LUMINAIRE DISCONNECTING MEANS PER LIGHTING SPECIFICATIONS.
FD	MANUAL FIRE ALARM STATION FIRE ALARM STROBE			UTILITY SERVICES: ELECTRIC SERVICE TO THE SITE IS EXISTING AND SHALL BE UTILIZED AS INDICATED ON THE DRAWINGS.
	FIRE ALARM HORN/STROBE			TELEPHONE SERVICE TO THE SITE IS EXISTING AND SHALL BE UTILIZED AS INDICATED ON THE
-\$	FIRE ALARM HORN/STROBE - CEI	LING MOU	NTED	DRAWINGS.
(XXX)	ELEVATION OR DETAIL REFERENCE			ELECTRICAL EQUIPMENT AND DEVICES:

# THIS IS STANDARD SYMBOL LIST - SOME OF THESE SYMBOL MAY NOT APPEAR ON DRAWINGS.

ENERAL REQUIREMENTS: WORK SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, LATEST EDITION, AND \_ LOCAL AND STATE AUTHORITIES HAVING JURISDICTION THEREOF.

ECTRICAL SYSTEMS SHALL BE COMPLETE IN EVERY DETAIL, INCLUDING ALL INCIDENTAL ITEMS OR A PROPER AND FUNCTIONING INSTALLATION SUBJECT TO FINAL APPROVAL OF PROTECTION OF OTHER WIRING DEVICES.

REQUIRED PERMIT AND INSPECTIONS SHALL BE OBTAINED BY CONTRACTOR AND SUCH COSTS HALL BE INCLUDED IN BID PRICE FOR THIS WORK.

RECEPTACLES SHALL BE SPECIFICATION GRADE, GROUNDING TYPE, 2-POLE, 3-WIRE, AND POLARIZED. RECEPTACLES IN GENERAL SHALL BE 20A, 125 V., HUBBELL #HBL5362 OR EQUAL MOUNTED 16" AFF IN OFFICES AREAS AND 48" AFF IN SHOP AREAS EXCEPT AT COUNTERS WHERE THEY SHALL BE 6" ABOVE COUNTER AND IN TOILET ROOMS AT 48" AFF. RECEPTACLES ON SINGLE CIRCUIT SHALL BE 20 AMPERES, HUBBELL #HBL5362. HIGH AMPERE RATINGS AND VOLTAGES ARE INDICATED ON DRAWINGS.

RECEPTACLES DESIGNATED "GFR" SHALL BE GROUND FAULT RECEPTACLES, SIMILAR TO HUBBELL #GF-5362. FOR OUTDOOR OR WET LOCATIONS, PROVIDE WEATHERPROOF BOX AND GASKETED COVER PLATE. WIRE 'GFR' RECEPTACLES FOR SELF PROTECTION AND NOT DOWNSTREAM

SWITCHES SHALL BE SINGLE POLE, TWO POLE, OR THREE-WAY, AS INDICATED, TOGGLE TYPE, 20A, 120/277V., QUIET TYPE, HUBBELL #1221/1222/1223 OR APPROVED EQUAL. PILOT TYPE SWITCHES HUBBELL #1251.

PROVIDE DIMMERS RATED FOR LOAD WATTAGE AND VOLTAGE CONTROLLED. CONTRACTOR TO COORDINATE RATING BASED ON APPROVED FIXTURE SUBMITTALS AND ACTUAL FIXTURE QUANTITIES. PROVIDE DIMMERS DESIGNED FOR CONTROLLED LOAD CONSULT LIGHT FIXTURE MANUFACTURER FOR COMPATIBLE DIMMER SWITCHES.

WIRING DEVICE COLORS SHALL BE WHITE OR AS SELECTED BY OWNER/ARCHITECT.

DEVICE COVER PLATES SHALL BE OF TYPE AND NUMBER OF GANGS FOR DEVICES INSTALLED. SMOOTH EDGED 302/304 GRADE BRUSHED STAINLESS STEEL. PROVIDE BRANCH CIRCUIT IDENTIFICATION ON ALL COVERPLATES AS SPECIFIED UNDER "GENERAL REQUIREMENTS". COVERPLATES FOR DEVICES CONNECTED TO THE EMERGENCY SYSTEM SHALL ALSO BE FACTORY LABELED WITH BLACK LETTERING TO READ "EMERGENCY".

PROVIDE TELEPHONE/DATA OUTLETS AND STUBS AS INDICATED. TELEPHONE/DATA OUTLETS SHALL CONSIST OF TWO GANG OUTLET BOX WITH PLASTER RING AND NO COVER PLATE. JACK AND COVER PLATE ARE SUPPLIED BY OTHERS. HEIGHT OF OUTLET FOR DESK PHONE IS 16" AFF AND FOR WALL PHONE 48" AFF. TELEPHONE/DATA OUTLETS SHALL CONTAIN OF 3/4" CONDUIT FROM OUTLET TO AN ACCESSIBLE PORTION OF CEILING SPACE. TERMINATE WITH INSULATING BUSHING.

ALL CONDUCTORS SHALL BE SOFT-DRAWN COPPER OF SIZES INDICATED ON THE DRAWINGS. ALL CONDUCTORS SHALL BE INSULATED FOR 600 VOLTS AND WITH 75 DEGREES (CENTIGRADE) CODE GRADE INSULATION.

CONDUCTORS SIZED #10 AND SMALLER SHALL BE SOLID. ALL CONDUCTORS LARGER THAN #10 SHALL BE MADE UP OF STRANDED SINGLE CONDUCTOR CABLE. CONDUCTORS SHALL HAVE THWN OR THHN INSULATION AS APPLICABLE. CONDUCTORS IN UNDERGROUND CONDUIT AND FOR SERVICE ENTRANCE CONDUCTOR SHALL HAVE XHHW OR THWN INSULATION.

#12 AWG SHALL BE THE MINIMUM WIRE SIZE ALLOWED EXCEPT #14 AWG MAY BE USED FOR CONTROL WIRING.

TYPICAL BRANCH CIRCUITS FROM 20A, 1-POLE BRANCH OVERRCURRENT DEVICES ARE 1/2"C,

2#12 AND 1#12G. STARTERS, SAFETY SWITCHES, FUSES AND HEATERS: MANUAL MOTOR STARTERS SHALL BE 600V TOGGLE TYPE WITH THERMAL OVERLOAD ELEMENT FOR

MOTOR PROTECTION STAINLESS STEEL COVER PLATE AND PILOT LIGHT; FLUSH IN ALL AREAS EXCEPT IN UNFINISHED SPACES. CONTRACTOR TO COORDINATE AND PROVIDE QUANTITY OF POLES AS REQUIRED FOR BRANCH CIRCUIT AND LOAD SERVED. MANUAL MOTOR SWITCHES SHALL BE THE SAME AS MANUAL STARTERS EXCEPT WITHOUT OVERLOADS AND USED AS DISCONNECTING MEANS.

MAGNETIC MOTOR STARTERS SHALL BE 600 VOLT 3-PHASE WITH 3 THERMAL OVERLOAD ELEMENTS, HOA SWITCH AND RESET BUTTON IN COVER AND GREEN RUNNING PILOT LIGHT, NEMA ENCLOSURE AND SIZE AS INDICATED. COMBINATION STARTERS SHALL HAVE BUILT-IN FUSED DISCONNECT. PROVIDE START-STOP PUSH BUTTONS FOR USE IN HAND (MANUAL) MODE.

PROVIDE THERMAL ALLOY MELTING TYPE HEATER ELEMENTS FOR ALL MOTORS BASED ON MOTOR NAMEPLATE DATA. SAFETY AND DISCONNECT SWITCHES SHALL BE 250 OR 600 VOLTS AS REQUIRED, HEAVY DUTY, TWO OR THREE POLE, "QUICK-MAKE', "QUICK-BREAK" SWITCH MECHANISM AND COVER INTERLOCK. SWITCHES SHALL BE FUSED OR UNFUSED AS INDICATED AND SHALL HAVE PAD LOCK PROVISIONS, WITH NEMA TYPE ENCLOSURE FOR LOCATION USED. SWITCHES SHALL BE SQUARE "D"CLASS 3110 OR APPROVED EQUAL.

PROVIDE ALL NECESSARY FUSES AND REPLACE ALL THOSE BLOWN DURING CONSTRUCTION. ALL FUSES SHALL BE TIME LAG, DUAL ELEMENT, BUSSMAN "LOW PEAK YELLOW" OR EQUAL.

INSTALLATION AND METHODS OF EXECUTION: ALL WIRING SHALL BE IN CONDUIT, MINIMUM ½". FLEXIBLE METAL CONDUIT SHALL BE USED FOR SHORT CONNECTION TO MOTORS, FINAL CONNECTION TO RECESSED LIGHTING FIXTURES FROM RIGIDLY MOUNTED OUTLET BOX (NOT BETWEEN FIXTURES), VIBRATING EQUIPMENT, ETC., BUT NEVER LONGER THAN 6 FEET. PROVIDE LIQUID TIGHT FLEXIBLE METAL CONDUIT FOR ALL APPLICATIONS EXPOSED TO WATER OR WEATHER. PROVIDE ANTI-SHORT BUSHINGS FOR ALL FLEXIBLE CONDUIT ARMOR TERMINATIONS. PROVIDE SEPARATE EQUIPMENT GROUND WIRE IN ALL

CONDUIT CONCEALED IN CEILING, WALLS OR FURRED SPACES OR EXPOSED IN DRY LOCATIONS SHALL BE EMT. THIN WALL ELECTRIC METALLIC TUBING, CONDUIT EXPOSED TO WEATHER. IN CONTACT WITH CONCRETE, BURIED IN SLAB, OR IN HAZARDOUS AREAS, SHALL BE HEAVY WALL, RIGID. ALL CONDUITS SHALL BE HOT DIPPED GALVANIZED STEEL.

CONDUIT RUNS SHOWN ON DRAWINGS ARE DIAGRAMMATIC. EXACT ROUTING OF CONDUIT RUNS SHALL SUIT JOB CONDITIONS. EXPOSED CONDUIT SHALL BE RUN ONLY IN UNFINISHED AREAS SUBJECT TO FINAL APPROVAL OF ENGINEER AND SHALL RUN PARALLEL TO BUILDING LINES,

CONNECTION TO EQUIPMENT SHALL BE DONE IN ACCORDANCE WITH MANUFACTURER'S SHOP AND INSTALLATION DRAWINGS. REQUIREMENTS GENERALLY VARY FROM ONE MANUFACTURER TO ANOTHER AND CONTRACTOR IS BOUND TO COMPLY AND PROVIDE ALL WORK AS REQUIRED ALTHOUGH CERTAIN DISCREPANCIES MAY EXIST REGARDING THE REQUIREMENT FROM ONE MANUFACTURER TO ANOTHER.

PROVIDE POWER WIRING, DISCONNECTS, AND PROTECTION DEVICES TO ALL MECHANICAL EQUIPMENT AND MAKE FINAL CONNECTIONS, INCLUDING TESTING OF MOTORS FOR PROPER

NEVER DIAGONALLY.

OUTLET BOXES MAY-BE SURFACE MOUNTED ON EXISTING WALLS (CMU, BRICK OR CONCRETE) WITH SMALLEST SURFACE RACEWAY AS REQUIRED FOR WIRING INSTALLED, PROVIDE FLUSH OUTLET BOXES AND CONDUIT AT NEW CONSTRUCTION WALL AND AT EXISTING WALLS WHICH ARE NOT CMU BRICK OR CONCRETE CONSTRUCTION. CUT AND PATCH EXISTING WALLS AS REQUIRED FOR FLUSH INSTALLATION.

PROVIDE 4" TALL CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.

ALL WIRING LOCATED ABOVE THE SUSPENDED CEILING MUST BE SUPPORTED INDEPENDENTLY OF THE SUPPORT WIRES FOR THE SUSPENDED CEILING. OUTLET BOXES ON OPPOSITE SIDES OF FIRE RESISTANT WALLS OR PARTITIONS SHALL BE

SEPARATED BY A HORIZONTAL DISTANCE OF TWENTY FOUR (24) INCHES. ELECTRICAL OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANT RATED WALLS, PARTITIONS, FLOORS, OR CEILINGS SHALL BE FIRESTOPPED USING APPROVED METHODS TO

MAINTAIN THE FIRE RESISTANCE RATING PER ARTICLE 300.21 2017 NEC.

PROVIDE PROPER WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT AS REQUIRED PER NEC. <u>LIGHTING SPECIFICATIONS:</u>

LED LIGHTING FIXTURES SHALL HAVE 5 YEAR WARRANTY, A COLOR RENDERING INDEX OF 90 OR HIGHER, 3500K COLOR TEMPERATURE UNLESS OTHERWISE INDICATED ON DRAWINGS, LIFETIME: 50,000 HOURS OR GREATER AND MAINTAIN AT LEAST 70% OF INITIAL LUMEN OUTPUT. RATED FOR OUTDOOR USE AND WET LOCATION, IF IN OPEN FIXTURE.

SHALL POSSESS COLOR MANAGEMENT SYSTEM TO MAINTAIN COLOR CONSISTENCY OVER TIME AND TEMPERATURE OF NO GREATER THAN ±100K OVER LIFE. REFER TO LIGHTING FIXTURE SCHEDULE ON ARCHITECTURAL REFLECTED CEILING PLANS FOR LED FIXTURES WITH DIMMING CONTROLS.

LED DRIVERS TO BE ELECTRONIC, HIGH POWER FACTOR, MIN. 0.9; UNIVERSAL VOLTAGE 120-277V; 5 YEAR WARRANTY, COMPATIBLE WITH THE LED LAMP OR MODULE USED.

	ELECTRICAL SHEET INDEX
SHEET	DESCRIPTION
E-001	ELECTRICAL LEGEND AND SPECIFICATIONS
ED-101	LIGHTING AND POWER DEMOLITION PLANS
E-101	LIGHTING AND POWER NEW WORK PLANS
	E-001 ED-101

	ELECTRICAL SHEET INDEX
SHEET	DESCRIPTION
E-001	ELECTRICAL LEGEND AND SPECIFICATIONS
ED-101	LIGHTING AND POWER DEMOLITION PLANS
E-101	LIGHTING AND POWER NEW WORK PLANS

PA		Tage: Main:	RP-C 208Y/120V, 3 PHASE, 4 WIRE + C 225 A MLO ELECTRICAL ROOM	S A	IG: SURFACE MO IC: EXISTING :R: EXSISTING :D: NO	UNTED		
Circ	Brea	aker		Load Information		Coi	nnected W	atts
No	Pole	Trip	Location	Description		Phase A	Phase B	Phase C
1	1	20	FICTION	RECEPTACLE (FLOOR BOX)	EX. LOAD	720		
3	1	20	NON FICTION	RECEPTACLE (FLOOR BOX)	EX. LOAD		720	
5	1	20	NON FICTION	RECEPTACLE (FLOOR BOX)	EX. LOAD			720
7	1	20	REFERENCE	RECEPTACLE (FLOOR BOX)	EX. LOAD	720		
9	1	20	FIXTION	RECEPTACLE (FLOOR BOX)	EX. LOAD		720	
11	1	20	LOCAL HISTORY WORK RM	SURFACE RACEWAY RECEPTACLE	NEW LOAD			540
13	1	20	YOUTH SERVICE	RECEPTACLE	EX. LOAD	900		
15	1	20	YOUTH SERVICE	RECEPTACLE	EX. LOAD		900	
17	1	20	YOUTH SERVICE	RECEPTACLE	EX. LOAD			900
19	1	20	YOUTH SERVICE WORK	RECEPTACLE	EX. LOAD	720		
21	1	20	YOUTH SERVICE WORK	RECEPTACLE	ex. Load		720	
23	1	20	YOUTH SERVICE WORK	RECEPTACLE	EX. LOAD			720
25	1	20	DATA HUB STORE	RECEPTACLE	EX. LOAD	800		
27	1	20	DATA HUB YOUTH SERVICE	RECEPTACLE	EX. LOAD		900	
29	1	20	ADULT FICTION	RECEPTACLE (FLOOR BOX)	EX. LOAD			720
31	1	20	NEW IG SERVER ROOM	RECEPTACLE	EX. LOAD	1000		
33	1	20	NEW IG SERVER ROOM	RECEPTACLE	EX. LOAD		1000	
35	1	20	NEW IG SERVER ROOM	RECEPTACLE	EX. LOAD			1000
37	1	20	LOCAL HISTORY RM	RECEPTACLE	NEW LOAD	1200		
39	1	20	STORAGE/LOCAL HISTORY RN	M COPIER	NEW LOAD		1200	
41	1		SPACE					
2	1	20	SOUTH WALL FICTION	RECEPTACLE	EX. LOAD	720		
4	1	20	SOUTH WALL FICTION	RECEPTACLE	EX. LOAD		720	
6	1		PERIODICALS	RECEPTACLE (FLOOR BOX)	EX. LOAD			720
8	1	20	QUIET STUDY	RECEPTACLE (FLOOR BOX)	EX. LOAD	540		
10	1	20	ADULT NON FICTION	RECEPTACLE (FLOOR BOX)	EX. LOAD		720	
12	1	20	QUIET STUDY	RECEPTACLE (FLOOR BOX)	EX. LOAD			540
14	1	20	QUIET STUDY	RECEPTACLE (FLOOR BOX)	EX. LOAD	540		
16	1		ADULT FICTION	RECEPTACLE (FLOOR BOX)	EX. LOAD		720	
18	1	20	INFORMATION	RECEPTACLE (FLOOR BOX)	EX. LOAD			900
20	1		YOUTH SERVICE	RECEPTACLE (FLOOR BOX)	EX. LOAD	720		
22	1	20	YOUTH SERVICE	RECEPTACLE (FLOOR BOX)	EX. LOAD			
24	1		STUDY	RECEPTACLE (FLOOR BOX)	EX. LOAD		720	540
26	1		YOUNG ADULTS	RECEPTACLE	EX. LOAD	720		
28	1		DATA HUB STUDY	RECEPTACLE	EX. LOAD		900	
30	1		IG PLUG JUVENILE COMPUTER	RECEPTACLE	EX. LOAD			1000
32	1		IG PLUG JUVENILE COMPUTER	RECEPTACLE	EX. LOAD	1000		
34	1		IG PLUG JUVENILE COMPUTER	RECEPTACLE	EX. LOAD		1000	
36	1		IG PLUG JUVENILE COMPUTER	RECEPTACLE	EX. LOAD			1000
38	1		SPACE					
40	1		SPACE					
42	_1		SPACE					
				CONNECTED KW: 31 CONNECTED AMPS: 85 DEMAND KW: 31 DEMAND AMPS: 85	Phase Watts:	10,300	10,940	9,300

PAI		TAGE: MAIN:	RP-B 120/208V, 1 PHASE, 3 WIRE + 60 A MLO ELECTRICAL ROOM	G FE	JNTING: SURFACE MOUNTE AIC: EXISTING EEDER: EXISTING JIPPED: NO	0	
Circ	Brea	aker	Lo	oad Information		Connected	 d Watts
No			Location	Description		Phase A	
1	1		ELECTRICAL & STORAGE	LIGHTING	EX. LOAD	1000	
3	1		STORAGE RM	RECEPTACLES			36
5	1		STUDY & STORAGE RM	RECEPTACLE	EX. LOAD	720	<del></del>
7	1		ADULT FICTION	RECEPTACLE	EX. LOAD	1	72
9	1		JUNIOR FICTION	RECEPTACLE	EX. LOAD	720	+
11	1		JUNIOR NON FICTION	RECEPTACLE	EX. LOAD		72
13	1		STORAGE RM	RECEPTACLES		360	
15	1		YOUTH SERVICE DESK	RECEPTACLE	EX. LOAD	1	72
17	1		PROGRAM ROOM	LIGHTING (EM LIGHTS)		800	-
19	1		MEETING ROOM	RECEPTACLE, CEILIN		1	90
21	2		OUTSIDE STORAGE	HEATER	EX. LOAD	1500	
23		20					150
25	1		SPACE				
27	1		SPACE				
29	1		SPACE				
2	1	20	STUDY & STORAGE RM	LIGHTING	EX. LOAD	1000	
4	1	20	MAIN & ENEMOE	LIGHTING	EX. LOAD		100
6	1	20	MAINTENANCE	RECEPTACLE	EX. LOAD	540	
8	1	20	MAINTENANCE	RECEPTACLE	EX. LOAD		54
10	1	20	YOUTH SERVICE COUNTER	RECEPTACLE	EX. LOAD	900	
12	1	20	ELECTRICAL	RECEPTACLE	EX. LOAD		54
14	1	20	OUTSIDE WALL LIGHTS	LIGHTING (TIMER)	EX. LOAD	1000	
16	1	20	OUTSIDE CAN LIGHTS	LIGHTING (TIMER)	EX. LOAD		100
18	1	20	SPARE		EX. LOAD		
20	1	20	BATH ROOMS	EXHAUST FAN	EX. LOAD		50
22	2	$\setminus$	AIR COMPESSOR	AIR COMPRESSOR	EX. LOAD	750	
24		20					75
26	1		SPACE				
28	1		SPACE				
30	1		SPACE				
			CONNEC DE	ECTED KW: 19 ETED AMPS: 89 EMAND KW: 19	Phase Watts	: 9,290	9,25
			DEM	MAND AMPS: 89	186% Loaded		



ISSUED: PERMITS

04.12.24

ADDENDUM 1 06.14.24

33610 GRAND RIVER FARMINGTON, MI, 48335 www.mcdarchitects.com 248-374-0001

BUILDING RENOVATION

MARSHALL DISTRIC1 LIBRARY **RENOVATIONS** 

124 W GREEN ST. MARSHALL, MICHIGAN 49068

ELECTRICAL

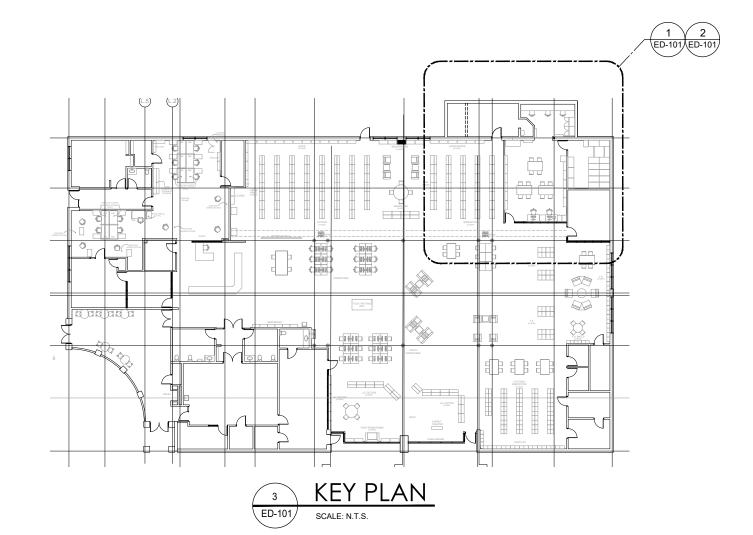


DRAWN BY: XX APPROVED BY: XX

PROJECT NO. | SHEET NO.

BLOOMFIELD HILLS, MI 48304 f | 248 | 258 | 9538

MECHANICALELECTRICAL



KEY NOTES :

- DI) DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE SHOWN HATCHED, REMOVE RELATED SWITCH AND WIRING BACK TO EXISTING TO REMAIN LIGHT FIXTURE ON SAME CIRCUIT OR TO CIRCUIT HOME RUN AT CEILING J-BOX AS APPLICABLE, SALVAGE EXISTING BRANCH CIRCUIT FOR RE-USE FOR NEW LIGHTING.
- DISCONNECT AND REMOVE PORTION OF SURFACE LINEAR LIGHT SHOWN HATCHED, REMOVE WIRING BACK TO EXISTING TO REMAIN PORTION.

D3 DISCONNECT AND REMOVE RECEPTACLES AND ANY OTHER ELECTRICAL INSTALLATION ON DEMOLISHED WALLS, REMOVE RELATED WIRING.

D4 DISCONNECT AND REMOVE RECEPTACLE SHOWN HATCHED, PREPARE TO RELOCATE AS SHOWN IN NEW POWER PLAN, EXTEND WIRES AS REQUIRED.



ISSUED: PERMITS

04.12.24

ADDENDUM 1 06.14.24

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BUILDING RENOVATION FOR:

MARSHALL DISTRICT LIBRARY RENOVATIONS

124 W GREEN ST. MARSHALL, MICHIGAN 49068

ELECTRICAL LIGHTING AND POWER DEMOLITION PLAN

SALIM M. SESSINE ENGINEER NO. 6201034939

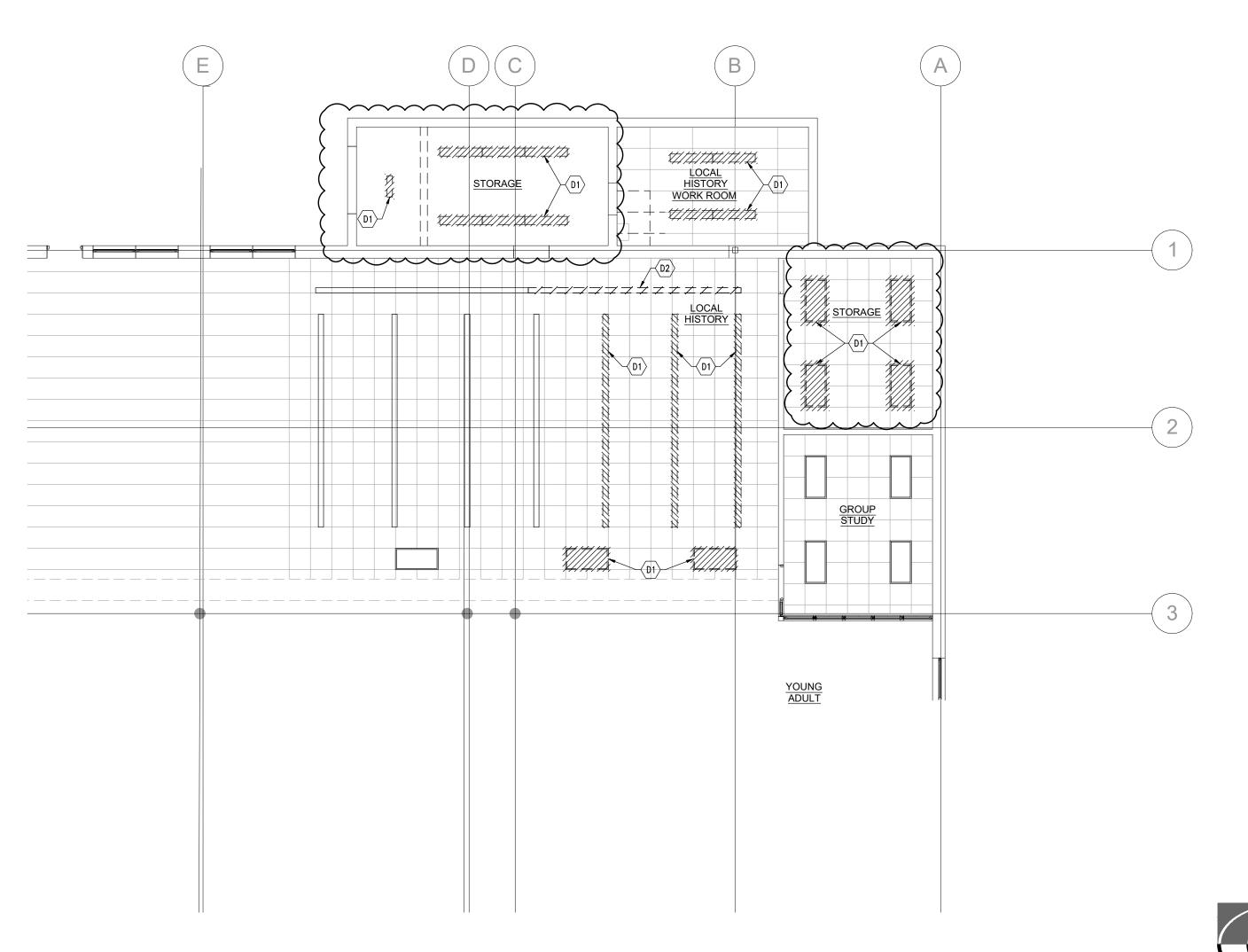
180 HIGH OAK ROAD

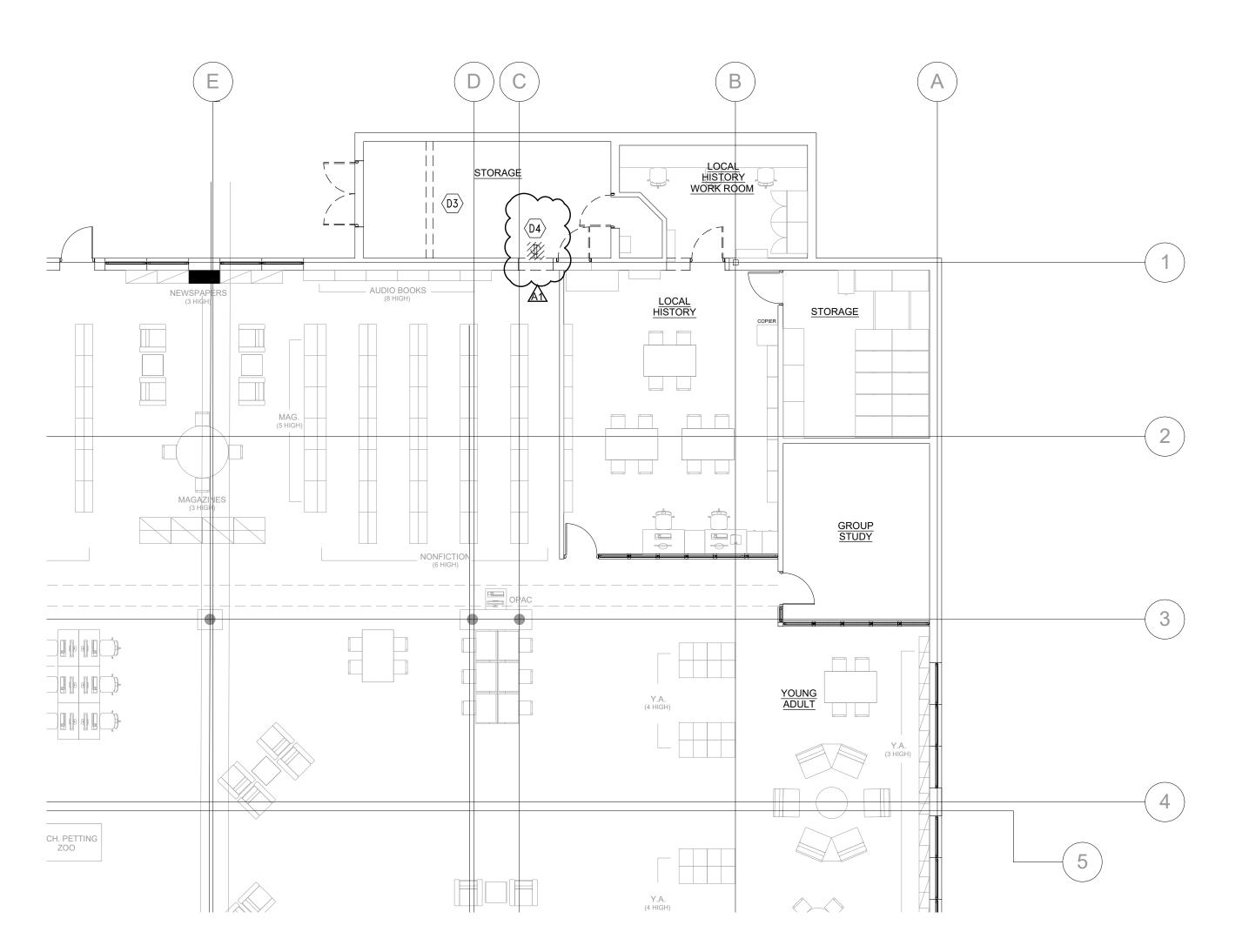
DRAWN BY: XX

APPROVED BY: XX

PROJECT NO.

PROJECT NO. SHEET NO. 23283 ED-101





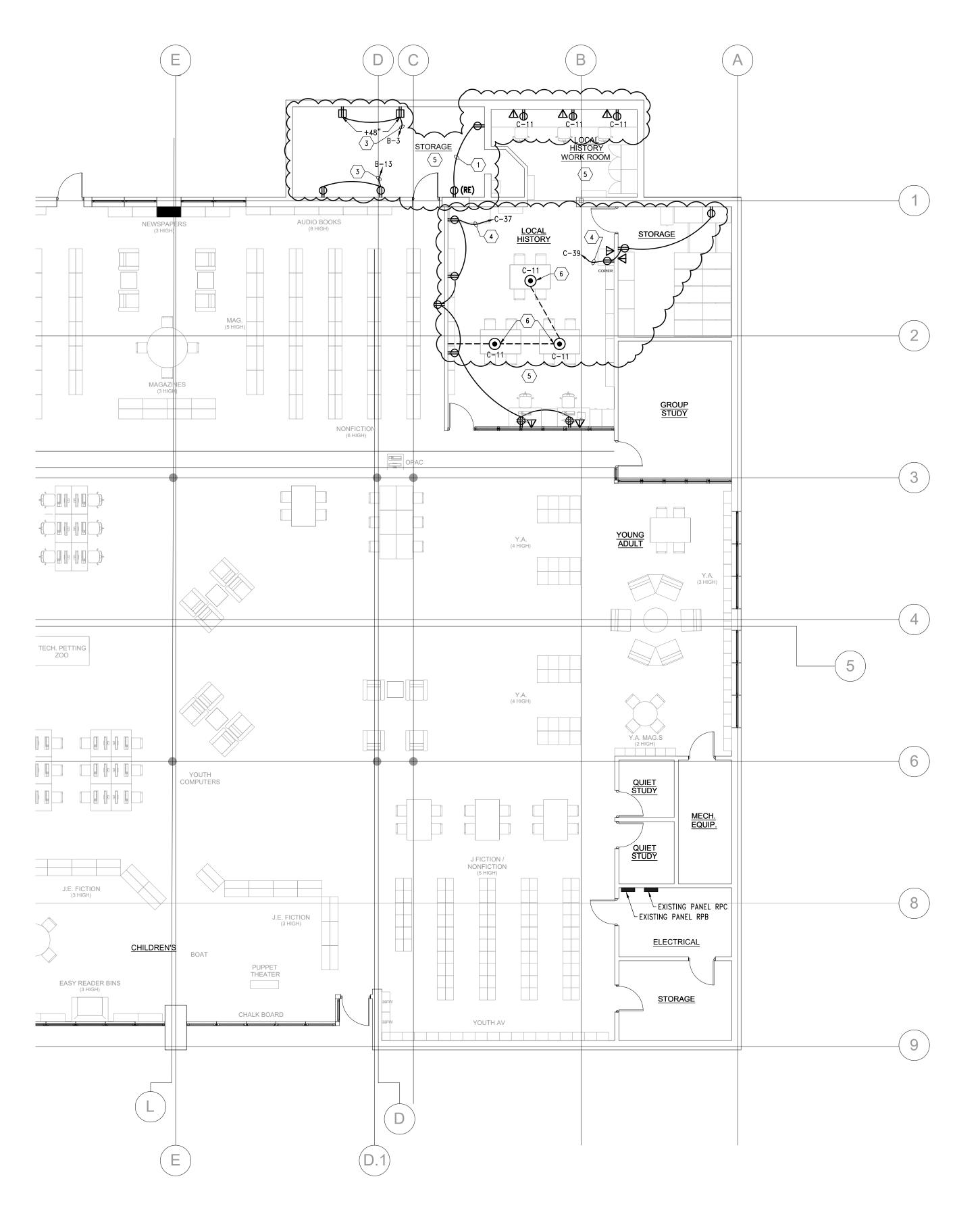
POWER DEMOLITION PLAN

SCALE: 1/8" = 1'-0"



LIGHTING DEMOLITION PLAN

SCALE: 1/8" = 1'-0"



#### LIGHTING FIXTURE SCHEDULE:

- "A" LED RECESSED LAY-IN 2'X4' LIGHTING FIXTURE COLD ROLLED STEEL FRAME,
  VOLUMETRIC SOFT HIGH ANGLE LIGHTING, 120-277V. 0-10V HPF ELECTRONIC DIMMING
  DRIVER, 39W, SELECTABLE MULTI-LUMEN PACKAGE 3000/4000/5000 LUMENS,
  SELECTABLE COLOR TEMP. 3000/3500/4000°K, SET AT 5000 LUMENS AND 3500°K.
  ORACLE LIGHTING #24-0EVHP-LED-5000L-DIM10-MVOLT-35K-85 OR APPROVED EQUAL.
- "B" LED RECESSED DOWNLIGHT, 6" APERTURE, CLEAR SPECULAR LOW IRIDESCENT ALZAK FINISH REFLECTOR, LENSED AND WET LOCATION LISTED, UNIVERSAL VOLTAGE DRIVER, 0-10V DIMMING, 24W WITH MINIMUM 2000 LUMEN PACKAGE WITH 4000°K COLOR. MAXILUME #HH6-LED-2000LM-FL-40K-HH6-6501-CL-WH OR APPROVED EQUAL.
- "C" LED 2' LONG STRIP LIGHT, WHITE FINISH HOUSING, ACRYLIC DIFFUSER, UNIVERSAL VOLTAGE DRIVER, 0-10V DIMMING, 23W WITH 3000 LUMEN AND 4000°K COLOR. ELITE #2-0C1-LED-3000L-DIM10-MVOLT-40K-85 OR APPROVED EQUAL.

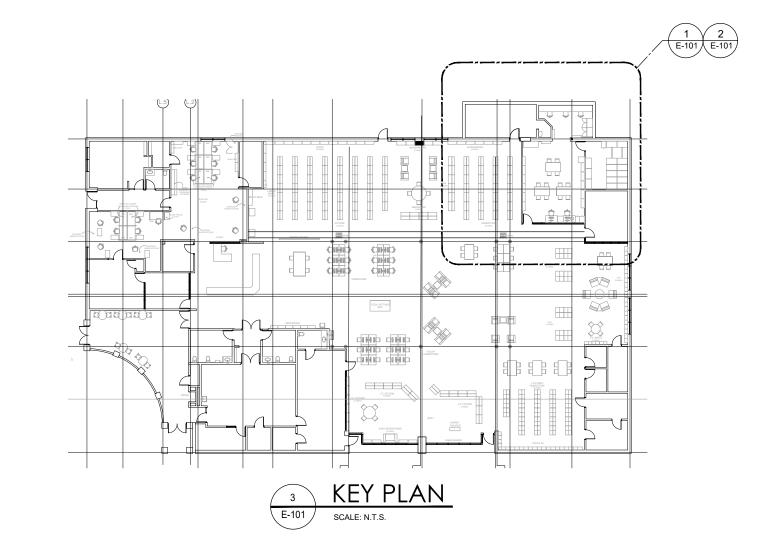
KEY NOTES:

- wire to existing branch circuit serving same room receptacles.

  wire to existing lighting circuit salvaged from demolition.

  wire to a dedicated 20a-120v circuit from within panel RPB, provide a New 20a,1P breaker in exsisting space as required.
- WIRE TO A DEDICATED 20A, 120V CIRCUIT FROM PANEL RP-B, SEE PLAN FOR LOCATION.

  5 PROVIDE AND/OR MODIFY EXISTING FIRE ALARM SYSTEM COVERAGE IN THE RENOVATED
- AREAS AS A MODIFICATION OF THE EXISTING BUILDING FIRE ALARM SYSTEM INCLUDING ALL MONITORING, POWER SUPPLIES, INITIATING DEVICES, INDICATING AND NOTIFICATION APPLIANCES, CONTROL MODULES, WIRING AND TESTING AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND FACILITY STANDARDS. DEVICES ARE NOT INDICATED ON PLANS. SYSTEM EXTENSION/MODIFICATION SHALL BE LAID OUT ON A PERFORMANCE BASIS AND APPROVAL BY THE AUTHORITIES AND SHALL COMPLY WITH FACILITY STANDARDS.
- PROVIDE SINGLE GANG ADJUSTABLE FLOOR BOX WITH DUPLEX RECEPTACLE AND COVER, VERIFY EXACT LOCATION WITH OWNER, SAW CUT THE FLOOR TO LOCATION OF NEW WALL AS INDICATED AND RUN POWER FEEDER CONCEALED. FLOOR BOX SHALL BE LEGRAND RFB4-OG OR APPROVED EQUAL.





ISSUED: PERMITS

04.12.24

ADDENDUM 1 06.14.24

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BUILDING RENOVATION FOR:

MARSHALL DISTRICT LIBRARY RENOVATIONS

124 W GREEN ST. MARSHALL, MICHIGAN 49068

ELECTRICAL LIGHTING AND POWER NEW WORK PLAN

SALIM M.
SESSINE
ENGINEER
NO:
6201034939
GARAGE

DRAWN BY: XX

APPROVED BY: XX

PROJECT NO. SHEET NO.

MECHANICALELECTRICAL

180 HIGH OAK ROAD
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