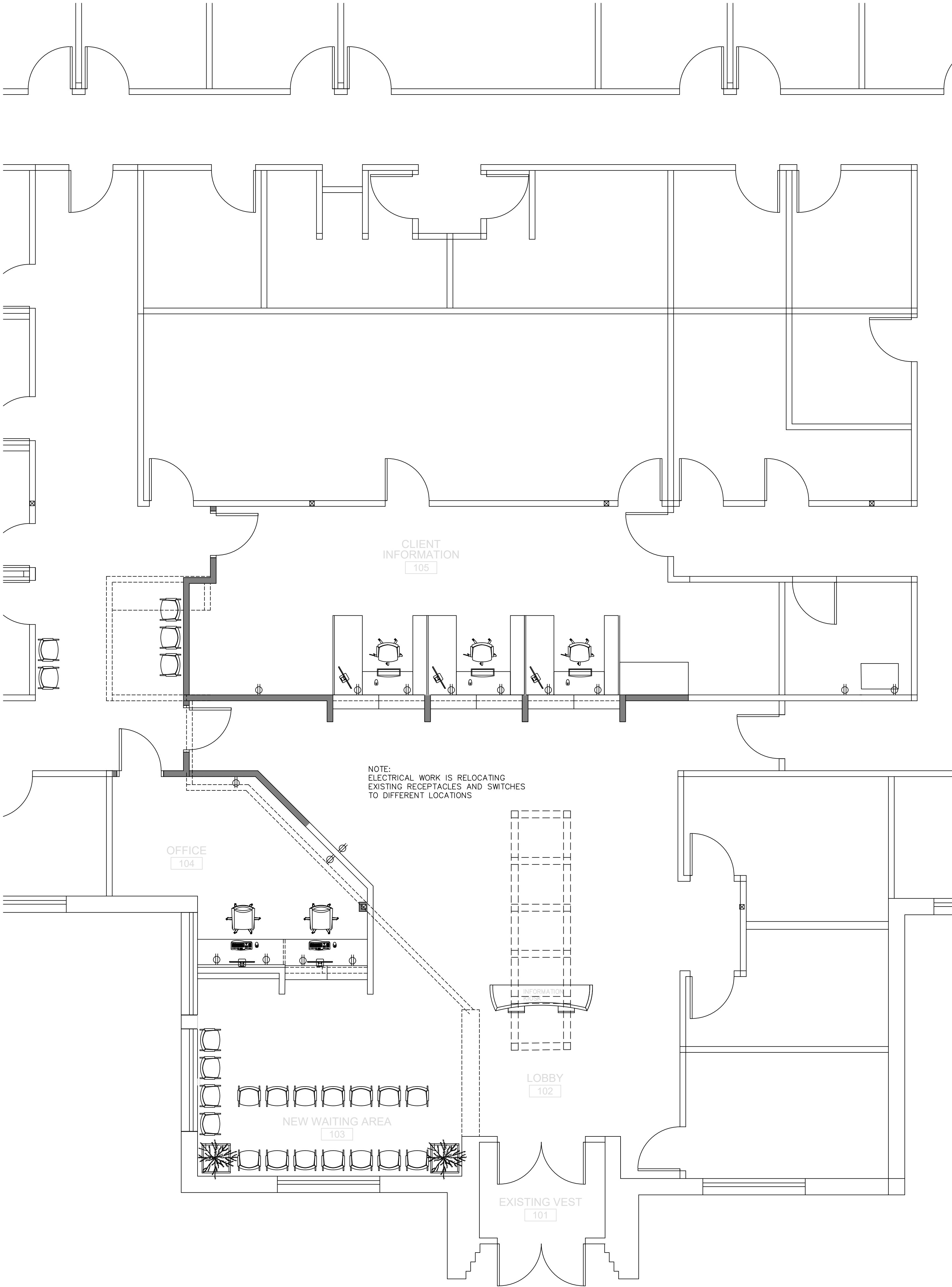




GENERAL ELECTRICAL NOTES

- ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST REVISED EDITIONS OF THE 2023 EDITION OF THE NATIONAL ELECTRIC CODE LISTED IN MBC, LIFE SAFETY CODE, AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES..
- THIS CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES INVOLVED ON THE PROJECT AND COORDINATE HIS WORK WITH THEIRS BEFORE PROCEEDING. ALL UTILITY COMPANY BACK CHARGES SHALL BE PAID BY THIS CONTRACTOR AND INCLUDED IN HIS BID.
- THIS CONTRACTOR SHALL FURNISH AND INSTALL THE TEMPORARY ELECTRICAL SERVICE FOR CONSTRUCTION TRAILERS, POWER TOOLS, TEMPORARY LIGHTING, ETC., AS REQUIRED AND IN ACCORDANCE WITH ALL CODES AND STANDARDS.
- ALL WIRING SHALL BE RUN CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE.
- ELECTRICAL CONTRACTOR SHALL SUBMIT APPROVAL DRAWINGS FOR ALL PANELS, FIXTURES AND MOTOR CONTROL EQUIPMENT TO THE ENGINEER PRIOR TO ORDER OF PURCHASE. EIGHT (8) COPIES OF DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.
- ALL MATERIALS FURNISHED AND /OR INSTALLED UNDER THIS CONTRACT SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE AND BEAR THE LABEL OF UNDERWRITERS LABORATORIES, INC.
- FURNISH ALL LABOR, MATERIALS, TOOLS, ETC. TO PROVIDE A COMPLETE AND OPERABLE ELECTRICAL INSTALLATION AS SHOWN ON THE PLANS.
- ALL NECESSARY ELECTRICAL PERMITS SHALL BE OBTAINED BY THIS CONTRACTOR WITH COSTS INCLUDED IN THIS PROPOSAL.
- CONTRACTOR SHALL VISIT THE SITE AS TO SATISFY HIMSELF AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
- ALL ELECTRICAL WORK SHALL BE INSPECTED AND APPROVED BY THE STATE BUILDING INSPECTION, OR THE LOCAL INSPECTION AGENCY HAVING JURISDICTION; FEES FOR SAME TO BE INCLUDED IN THE CONTRACTORS PROPOSAL AND A FINAL CERTIFICATE OF INSPECTION AND APPROVAL FORWARDED TO THE OWNER AND ENGINEER AT THE COMPLETION OF THE PROJECT.
- ALL ELECTRICAL EQUIPMENT SUCH AS PANELS, STARTERS, CONTROLS, JUNCTION BOXES, ETC. SHALL BE IDENTIFIED WITH ENGRAVED PHENOLIC, NAMEPLATES, SECURELY FASTENED TO THE EQUIPMENT.
- CONTRACTOR SHALL GUARANTEE HIS WORKMANSHIP AND ALL MATERIALS (EXCEPT LAMPS) FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE.
- ALL RACEWAYS RUN EXPOSED OR INSTALLED IN EXTERIOR WALLS SHALL BE RIGID, GALVANIZED STEEL CONDUIT. CONDUITS BURIED IN EARTH OR CAST IN CONCRETE MAY BE PVC SCH. 40 CONDUIT WITH RIGID STEEL ELBOWS AND RISERS, 3/4" DIAMETER MINIMUM. A GROUND WIRE SHALL BE ADDED IN PVC CONDUIT RUNS.
- CONDUITS ABOVE SUSPENDED CEILINGS OR IN DRY EXTERIOR PARTITIONS MAY BE THINWALL (EMT) CONDUIT IN TRADE SIZES OF 1/2" DIAMETER THRU 2" DIAMETER
- ALL CONDUCTORS NO. 2 AWG AND LARGER SHALL BE STRANDED COPPER CONDUCTORS WITH 600 VOLT, 75 DEG. C. RATED TYPE XHHW INSULATION.
- BRANCH CIRCUIT WIRING SHALL BE COPPER CONDUCTORS, NO. 12 AWG MINIMUM WITH 600 VOLT 75 DEG. C. RATED TYPE XHHN/THWN INSULATION. ALL CONDUCTORS NO. 12 AND LARGER SHALL BE STRANDED.
- SAFETY SWITCHES SHALL BE HEAVY DUTY, H.P. RATED, QUICK-MAKE, QUICK-BREAK SQUARE D CO. HD. OR EQUAL.
- THIS CONTRACTOR SHALL REMOVE DEBRIS CREATED BY THIS PORTION OF THE CONTRACT AND SHALL CLEAN ALL FIXTURES, PANELS, EQUIPMENT, ETC. AT THE COMPLETION OF THE PROJECT.

NOTE:
1. CONTRACTOR TO VERIFY BREAKER SIZING FOR ALL NEW EQUIPMENT AND INSTALL AS REQUIRED.
2. ELECTRICAL CONTRACTOR TO VERIFY ALL NEW AND EXISTING ELECTRICAL EQUIP. PRIOR TO CONSTRUCTION
NOTE:
EXISTING BREAKERS ARE TO BE REMOVED AND /OR REPLACED TO FIT NEW CONFIGURATION.
CONTRACTOR TO ADJUST SCHEDULE AS NEEDED.

- POWER & COMMUNICATION NOTES:
- ELECTRICAL CONTRACTOR TO PROVIDE 5/4" CONDUIT, WIRE AND DEVICES FOR DATA/PHONE OUTLETS AND IS RESPONSIBLE FOR TERMINATIONS.
 - G.C. TO COORDINATE WALK THRU MEETING WITH ELECTRICAL CONTRACTOR, PHONE/ DATA INSTALLER AND KITCHEN EQUIPMENT INSTALLER TO VERIFY ALL BOX LOCATIONS PRIOR TO RUNNING CONDUIT.
 - ALL OUTLETS MOUNTED ABOVE COUNTERTOPS TO BE 44" AFF. TO BOTTOM OF PLATE.
 - ALL DEVICES IN FRONT OF HOUSE TO BE BROWN IN COLOR W/MATCHING FACEPLATES.
 - ALL DEVICES IN KITCHEN TO BE WHITE IN COLOR W/MATCHING FACEPLATES.
 - E.G. SHALL LABEL EXISTING PANELS/VERIFY PANEL SCHEDULES.

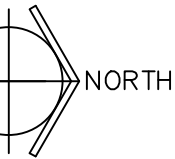
ELECTRICAL FLOOR PLAN

SCALE: 1/4" = 1'-0"

NOTE:
USE AND OCCUPANCY CLASSIFICATION:
USE GROUP: "B"
CONSTRUCTION TYPE: 5B
PROJECT AREA - SPRINKLED
PROJECT S.F. TOTAL 16,367 EXISTING SQ. FT.
PROJECT RENOVATION AREA S.F. TOTAL 5,438 S.F.

- GENERAL NOTES:
- GENERAL CONTRACTOR TO COMPLY WITH CODES CURRENTLY IN EFFECT IN CARO, MICHIGAN.: MICHIGAN BUILDING CODE 2021, MICHIGAN PLUMBING CODE 2021 ,2021 MICHIGAN ENERGY CODE MICHIGAN ELECTRICAL CODE 2023 AND MICHIGAN MECHANICAL CODE 2021.
 - ASSUMED SOIL BEARING CAPACITY OF 1500 P.S.F.
CONTRACTOR TO VERIFY IN FIELD AND NOTIFY ARCHITECT IF THIS CANNOT BE ACHIEVED FOR POSSIBLE RE-DESIGN.
 - MECHANICAL AND ELECTRICAL BY OTHERS
 - CONTRACTOR AND / OR OWNER TO PROVIDE MTD. BUILDING ADDRESS NUMBERS PER. MBC 2015 (MIN. 4" IN HEIGHT)
 - BUILDING IS A DESIGN BUILD PROJECT BY OWNER

- KEY:
- EMG. EXIT LIGHT
 - CAMERA LOCATION BY OTHERS
 - FIRE EXTINGUISHER ABC DRY CHEMICAL 10#
SODIUM SULFATE AMERICAN UI 300
HMIS INDUSTRIAL CLASS 480 BC



NOTE:
1. SUB CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO THE PREPARATION OF ALL SHOP DRAWINGS, CONSTRUCTION AND TO NOTIFY TAO DESIGN SERVICES AND MJW OF ALL DISCRIPANCY.
2. CONTRACTOR TO ENCAPSULATE ALL EXPOSED SPRAY INSUL.
NO EXPOSED SPRAY INSUL. SHALL BE ALLOWED PER MICHIGAN 2021 BUILDING CODE.

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING A.F.F. *
\$	SINGLE POLE SWITCH	46"
\$D	DIMMER SWITCH	46"
\$3	THREE WAY SWITCH	46"
\$4	FOUR WAY SWITCH	46"
⊕	DUPLEX RECEPTACLE	18" OR AS NOTED
⊕	DUPLEX RECEPTACLE, GFI	
⊕	DOUBLE DUPLEX RECEPTACLE	18" OR AS NOTED
WP	RECEPTACLE: DUPLEX, WEATHERPROOF	
GFI	RECEPTACLE: GROUND FAULT INTERRUPT	
⚡	MOTOR: 1 PHASE, 3 PHASE	--
□ F/S	FUSE HOLDER/SWITCH	AS NOTED
⌚	PANELBOARD (480/3) (120/208V)	72" **
⬮	SPECIAL CONNECTION	
⬮	SMOKE DETECTOR	
⬮	DISCONNECT SWITCH	60" **
⊠	MOTOR STARTER	
⊠	JUNCTION BOX	AS NOTED
⊠	OCCUPANCY SENSOR	
▲	PHONE: RJ11 PHONE JACK (TO PHONE CO. DMARK)	18" OR AS NOTED
▲	DATA: RJ45 DATA JACK (TO PHONE PANEL IN OFFICE)	18" OR AS NOTED
AFF	ABOVE FINISHED FLOOR	
⬮	FLUORESCENT FIXTURE (RECESSED) SEE FIXTURE SCHEDULE	
⬮	FLUORESCENT FIXTURE (SURFACE) SEE FIXTURE SCHEDULE	
⬮	FLUORESCENT EMERGENCY FIXTURE. SEE FIXTURE SCHEDULE	
⬮	FLUORESCENT FIXTURE (SURFACE) SEE FIXTURE SCHEDULE	
⬮	FLUORESCENT FIXTURE SEE FIXTURE SCHEDULE	
⬮	LIGHTING FIXTURE: SEE FIXTURE SCHEDULE - RECESSED, SURFACE	
⬮	EXIT SIGNS: SEE FIXTURE SCHEDULE - CEILING, WALL	
⬮	EMERGENCY LIGHT: SEE FIXTURE SCHEDULE	
⬮	COMBINATION EXIT/EMERGENCY LIGHT: SEE FIXTURE SCHEDULE	
* MOUNTING HEIGHT TO DEVICE CENTERLINE, UNLESS OTHERWISE SPECIFIED.		
** TO TOP OF DEVICE.		

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1309 CLEAVER ROAD SUITE B
CARO, MICHIGAN 48723-9135

MJW
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STATE OF MICHIGAN
MICHAEL J. WYSOCKI
ENGINEER
No. 8201042705
EXPIRATION DATE 12/31/2024

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ISSUED FOR	DATE
OWNER APPROVAL	04.30.26
BIDS	06.04.26
PERMITS	06.04.26
DATE :	
DRAWN BY:	
CHECKED :	
SCALE :	
JOB NO. :	TAO-25-0001 TUSCOLA COUNTY HEALTH DEPT
SHEET TITLE :	

ELECTRICAL FLOOR PLAN
SHEET
A5.0