			LIGHTING FIXTURE SCHEDU	JLE	
SYMBOL	MANUFACTURER & CATALOG NUMBER	MOUNTING TYPE	DESCRIPTION	LAMP	REMARKS
Α	LITHONIA - #STAKS 2X4 AL06 SWW7 UVOLT	RECESSED	2'X4' LED TROFFER	LED	(COLOR SET TO 3500K, LUMENS SET TO 3000LM)
В	LITHONIA - #STAKS 2X2 AL03 SWW7 UVOLT	RECESSED	2'X2' LED TROFFER	LED	(COLOR SET TO 3500K, LUMENS SET TO 3000LM)
С	(SELECTION BY OWNER)	PENDANT	GLOBE CHANDELIER	LED	
D	LITHONIA - #CSS L48 ALO3 MVOLT SWW3 80CRI	SURFACE	4' LED STRIP LIGHT	LED	
Е	COMPASS - #CCRG	UNIVERSAL	LED EXIT SIGN	LED	

E COMPASS - #CCRG GENERAL LIGHTING FIXTURE SCHEDULE NOTES:

. PROVIDE CORRECT TRIM FOR ALL FIXTURES INSTALLED IN A HARD CEILING OR SPECIALTY CEILING TYPE. PROVIDE ALL APPROPRIATE MOUNTING HARDWARE. PROVIDE BACK/MOUNTING BOXES AS RECOMMENDED BY MANUFACTURER.

3. COORDINATE LOCATION OF ALL EXIT SIGNS IN THE FIELD WITH OWNER SUPPLIED EQUIPMENT, BULK HEADS AND SIGNAGE TO ENSURE VISIBILITY FROM AT LEAST HALFWAY TO NEXT SIGN OR TO THE EXIT.

PROVIDE DOUBLE OR SINGLE FACE EXIT SIGNS AS INDICATED ON THE DRAWINGS. PROVIDE ARROWS AS INDICATED. 5. ALL FIXTURE FINISHES AND DECORATIVE DETAILS SHALL BE SELECTED BY THE ARCHITECT PRIOR TO FINAL ORDER. COLORS SHALL BE SELECTED FROM FULL COLOR LINE (BOTH STANDARD, CUSTOM, AND PREMIUM).

6. FIXTURES INDICATED ARE THE BASIS OF DESIGN. ALL EQUALS SHALL HAVE THE SAME PERFORMANCE AND GENERAL SHAPE AND OPTIONS. ALL EQUALS ARE TO BE APPROVED BY THE ARCHITECT AND ENGINEER PRIOR TO ORDERING.

ELECTRICAL DRAWING LIST

OVERALL SECOND FLOOR PLAN - ELECTRICAL

OVERALL THIRD FLOOR PLAN - ELECTRICAL

E0.0 ELECTRICAL INFORMATION SHEET

E3.2 ENLARGED PLANS - ELECTRICAL

E4.0 ELECTRICAL DETAILS

E5.0 ELECTRICAL SCHEDULES

E1.0 OVERALL FIRST FLOOR PLAN - ELECTRICAL

ENLARGED PLANS - ELECTRICAL

ENLARGED PLANS - ELECTRICAL

ED1.0 FIRST FLOOR PLAN - DEMOLITION - LIGHTING

ED1.2 FIRST FLOOR PLAN - DEMOLITION - POWER

ED1.3 SECOND FLOOR PLAN - DEMOLITION - POWER

ED1.1 SECOND FLOOR PLAN - DEMOLITION - LIGHTING

ALL FIXTURES CONNECTED TO A DIMMER OR LIGHTING CONTROL SYSTEM SHALL HAVE DRIVER THAT COORDINATES WITH CONTROLLER. COORDINATE BEFORE ORDERING.

LED	
LED	

GENERAL NOTES:

- 1. CONTRACTOR SHALL PROVIDE BRANCH CIRCUIT WIRING TO ALL ITEMS WHICH REQUIRE ELECTRICAL CONNECTIONS. WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN, CONTRACTOR SHALL CONNECT ITEMS TO THE CIRCUITS INDICATED. EXACT ROUTING OF CONDUITS AND WIRING SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND SPECIFICATIONS.
- 2. CONTRACTOR SHALL USE ONLY THOSE WIRING METHODS ALLOWED IN THE
- 3. A MAXIMUM OF 3 CIRCUITS SHALL BE RUN IN ONE CONDUIT, CIRCUITS MUST BE ON SEPARATE PHASES. CIRCUITS SHALL NOT SHARE A COMMON NEUTRAL.
- 4. MINIMUM WIRE SIZE SHALL BE #12AWG. MINIMUM CONDUIT SIZE SHALL BE 3/4".
- 5. THE ELECTRICAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE.
- 6. ALLOW CLEAR SPACE IN FRONT OF ALL PANELBOARDS, SWITCHBOARDS, ELECTRICAL EQUIPMENT, ETC., AS REQUIRED BY NEC.
- 8. ALL LIGHTING FIXTURES TO BE COMPATIBLE WITH THE CEILING CONSTRUCTION.
- 9. ELECTRICAL CONTRACTOR TO SUPPLY ALL GROUNDING & BONDING REQUIREMENTS
- 10. SEE FIRE PROTECTION SIGNALING SYSTEM RISER DIAGRAM NOTES AND SPECIFICATIONS FOR INFORMATION ON DUCT DETECTORS AND SMOKE DAMPERS. SEE SPECIFICATIONS FOR ITEMS NEEDING ADDRESSABLE CONNECTIONS WITH SUPERVISED INTERFACE. THESE ITEMS MAY NOT BE QUANTIFIED ON THE ELECTRICAL DRAWINGS, BUT SHALL BE COORDINATED WITH ALL OTHER TRADES AND DRAWINGS CONTRACTOR TO ACCOUNT FOR VOLTAGE DROP WHERE LONG RUNS ARE TO BE
- 11. ELECTRICAL CONTRACTOR TO PROVIDE ALL CUTTING AND PATCHING IN EXISTING BUILDING RELATED TO THE NEW ELECTRICAL WORK.
- 12. ELECTRICAL CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE IN WRITING ALL MATERIALS EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER
- 13. THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO THE ARCHITECT & ENGINEER AS-BUILT DRAWINGS AND OPERATION AND MAINTENANCE MANUALS INCLUDING ALL NAMEPLATE DATA, WIRING DIAGRAMS, MAINTENANCE INSTRUCTIONS AND PARTS LIST UPON PROJECT COMPLETION.
- 14. ELECTRICAL CONTRACTOR SHALL MAINTAIN A CLEAN AND SAFE WORK AREA AT ALL TIMES. ALL SAFETY PROCEDURES AND ENFORCEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL CONFORM TO ALL OSHA STANDARDS.
- 15. THESE DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW THE LOCATION OF EVERY WIRE, CONDUIT, FITTING, ETC., BUT IS UNDERSTOOD THAT THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND LABOR FOR COMPLETE WORKABLE SYSTEMS UNLESS NOTED OTHERWISE IN THIS SPECIFICATION
- 16. THE CONTRACTOR SHALL PROVIDE BUT NOT BE LIMITED TO:

- A. COMPLETE SYSTEM OF WIRING FOR EMERGENCY LIGHTING, LIGHT AND POWER, PLUMBING. HVAC EQUIPMENT. FIRE ALARM ALONG WITH TELEPHONE AND DATA EQUIPMENT INSTALLATION.
- B. ALL PANELS, SWITCHBOARDS, MOTOR CONTROLLERS, TRANSFORMERS, DISCONNECTS, RECEPTACLES, SWITCHES, OUTLETS AND PLATES FOR SAME,
- FEEDERS FROM PANELS AND RELATED APPURTENANCES. C. LIGHTING FIXTURES, LAMPS, BALLASTS AND APPURTENANCES. 17. DESIGN DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, BENDS,

ELBOWS, FITTINGS OR OTHER SPECIFIC ELEMENTS WHICH MAY BE REQUIRED FOR

COMPLETE INSTALLATION OF THE WORK. SUCH WORK MAY BE ACCOMPLISHED AT THE

- SITE. ADDITIONAL BENDS, OFFSETS AND CONDUIT AS REQUIRED BY VERTICAL AND HORIZONTAL EQUIPMENT LOCATIONS OR OTHER JOB CONDITIONS SHALL BE PROVIDED TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE OWNER. 18. EXCEPT WHERE SHOWN IN DIMENSIONAL DETAIL, THE LOCATIONS OF SWITCHES, RECEPTACLES, LIGHTS AND OTHER EQUIPMENT SHOWN ON PLANS ARE APPROXIMATE. SUCH ITEMS SHALL BE PLACED SO AS TO ELIMINATE INTERFERENCE WITH DUCTS,
- 19. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE ALL WORK WITH ALL OTHER TRADES, AND ACTUAL CONDITIONS IN FIELD.

PIPING AND EQUIPMENT. THE EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. ALL DOOR SWINGS SHALL BE VERIFIED SO THAT LIGHT SWITCHES ARE PROPERLY

GENERAL ELECTRICAL DEMOLITION NOTES:

- 1. DEMOLITION OF ALL EXISTING ELECTRICAL EQUIPMENT AND ASSOCIATED PIPING SHALL BE COORDINATED WITH NEW WORK INSTALLATION.
- 2. THIS CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY/ALL DAMAGES TO EXISTING FLOORS, FLOOR TILES, WALLS, CEILINGS, FURNISHINGS, ETC. DUE TO THE REMOVAL PROCESS OF ELECTRICAL EQUIPMENT AND ALL ASSOCIATED ITEMS.
- 3. ALL MATERIAL AND EQUIPMENT REMOVED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- 4. CONTRACTOR SHALL REMOVE ALL EXISTING LIGHTING FIXTURES WHERE NEW FIXTURES ARE SHOWN. THIS SHALL INCLUDE FITTINGS, SUPPORT DEVICES, ETC AND MAKE PROVISIONS TO EXISTING CEILING SO THAT THE NEW FIXTURE MAY BE PROPERLY INSTALLED.
- 5. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS REMAINING IN OTHER AREAS.
- 6. ALL EXISTING CONDUITS AND WIRING NOT BEING USED SHALL BE REMOVED BACK TO
- 7. WHERE MODIFICATIONS OR ADDITIONS TO EXISTING WORK IS TO BE DONE BY ANOTHER CONTRACTOR, EXISTING EQUIPMENT, CONDUIT, DEVICES, SUPPORTS, AND APPURTENANCES SHALL BE REMOVED AND REINSTALLED TO ACCOMMODATE MODIFICATIONS OR ADDITIONS. THIS SHALL INCLUDE THE ADDITION OF DOORS, WALLS, STRUCTURAL SUPPORTS, UNITS, ETC. COORDINATE WITH OTHER CONTRACTORS IN THE FIELD PRIOR TO WORK COMMENCING. WHERE THE QUANTITY OF WORK CANNOT BE DETERMINED PRIOR TO BID DUE TO CONCEALED CONDITIONS, PROVIDE \$5,000 ALLOWANCE.
- 8. DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY WHILE BUILDING WAS IN OPERATION. ACTUAL LOCATIONS AND QUANTITIES MAY VARY. VERIFY
- 9. ALL DORMANT CABLING AND WIRING SHALL BE REMOVED UNLESS NOTED AS FOR FUTURE OR AS INSTRUCTED OTHERWISE BY OWNER.
- 10. COORDINATE THE REMOVAL OF THE POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT TO BE REMOVED WITH THE MECHANICAL CONTRACTOR.
- 11. ALL CIRCUIT BREAKERS WHERE THE LOAD SERVING HAS BEEN REMOVED SHALL BE MARKED AS SPARE.
- 12. ALL PANELBOARDS MODIFIED UNDER THE WORK SHALL RECEIVED REVISED, TYPED PANEL SCHEDULES AS PROVIDED WITH ALL NEW PANELBOARDS.
- 13. REPLACE ANY DAMAGED EXISTING TO REMAIN ELECTRICAL, LIGHTING, AND LOW VOLTAGE EQUIPMENT IN KIND.
- 14. EXTEND WIRING IN KIND FOR DEVICES TO BE REINSTALLED IN NEW CEILING AS
- 15. ALL SURFACE MOUNTED DEVICES SHALL BE INSTALLED IN 1 OR 2 SECTION SURFACE MOUNTED RACEWAY AS REQUIRED TO ACCOMMODATE BOTH LOW VOLTAGE AND LINE VOLTAGE CABLES IN THE SAME RACEWAY. REFER TO SURFACE MOUNTING DETAIL FOR MORE INFORMATION.
- 16. VERIFY IF BUILDING HAS PLENUM RETURN. IF A PLENUM RETURN EXISTS, PROVIDE ALL EXPOSED CABLING INSTALLED WITHIN PLENUM AS PLENUM RATED CABLE.

	CONTROL EQUIPMENT
\$ _M	MANUAL MOTOR STARTER - OVERLOADS SIZED TO ACCOMMODATE MOTOR - 4'-0" AFF UNLESS OTHERWISE NOTED
FVNR/SIZE1/3R	COMBINATION MOTOR STARTER - TYPE/SIZE/NEMA ENCLOSURE AS INDICATED - MOUNT 4'-6" AFF TO CENTERLINE OF OPERATING HANDLE PROVIDE OVERCURRENT AND OVERLOADS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS FOR MOTOR HP
/M/	MOTOR - HORSEPOWER AS INDICATED
30/3/NF/12	DISCONNECT SWITCH - AMPS/POLES/FUSES/NEMA ENCLOSURE AS INDICATED - MOUNT 4'-6" AFF TO CENTERLINE OF OPERATING HANDLE
Т	TRANSFORMER

STANDARD MOUNTING HEIGHTS

<u>C</u>	SENERAL NOTES:	9" BELOW FINISHED CEILING		WALL-MOUNTED CLOCKS, PROGRAM BELLS, (OR AS SHOWN ON ARCHITECTURAL DETAIL)
1.	CONTRACTOR SHALL PROVIDE BRANCH CIRCUIT WIRING TO ALL ITEMS WHICH REQUIRE ELECTRICAL CONNECTIONS. WHERE BRANCH CIRCUIT WIRING IS NOT	6" ABOVE DOOR		NURSE CALL DOME LIGHT
	SHOWN, CONTRACTOR SHALL CONNECT ITEMS TO THE CIRCUITS INDICATED. EXACT ROUTING OF CONDUITS AND WIRING SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND SPECIFICATIONS.	6" ABOVE FIRE HOUSE CABINET		RED SIGNAL LIGHT
2.	CONTRACTOR SHALL USE ONLY THOSE WIRING METHODS ALLOWED IN THE SPECIFICATIONS.	10'-0"		BATTERY LIGHTING UNITS AND REMOTE WALL MOUNTED LIGHT HEADS (OR 1'-0" BELOW FINISHED CEILING OF TOP UNIT).
3.	A MAXIMUM OF 3 CIRCUITS SHALL BE RUN IN ONE CONDUIT, CIRCUITS MUST BE ON SEPARATE PHASES. CIRCUITS SHALL NOT SHARE A COMMON NEUTRAL.	8'-6"		PENDANT-HUNG INDUSTRIAL AND STRIP LIGHTING FIXTURES.
4.	MINIMUM WIRE SIZE SHALL BE #12AWG. MINIMUM CONDUIT SIZE SHALL BE 3/4".			
5.	THE ELECTRICAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE.	7'-8"+		TELEVISION OUTLET AND SERVICE RECEPTACLE-FOR SHELF MOUNTED T.V. IN BEDROOMS.
6.	ALLOW CLEAR SPACE IN FRONT OF ALL PANELBOARDS, SWITCHBOARDS, ELECTRICAL EQUIPMENT, ETC., AS REQUIRED BY NEC.	7'-6"	EA	OR 6" BELOW FINISHED CEILING, WHICHEVER IS LOWER.
7.	COORDINATE EXACT LOCATION OF LIGHTING FIXTURES WITH HVAC DUCTWORK, PIPING AND EQUIPMENT.	CENTER ABOVE DOOR OR WINDOW OPENING		WARNING AND SIGNALING FIXTURES/SIGNS.
	ALL LIGHTING FIXTURES TO BE COMPATIBLE WITH THE CEILING CONSTRUCTION. ELECTRICAL CONTRACTOR TO SUPPLY ALL GROUNDING & BONDING REQUIREMENTS	6'-8"	E¢ E¢¢	OR 6" BELOW FINISHED CEILING WHICHEVER IS LOWER. FIRE ALARM SIGNAL DEVICES AND ILLUMINATED FIRE SIGNALS.
	PER NEC. D. SEE FIRE PROTECTION SIGNALING SYSTEM RISER DIAGRAM NOTES AND	6'-6"		TOP OF FLUSH AND SURFACE MOUNTED ELECTRICAL LIGHTING OR POWER PANELBOARDS AND TELEPHONE CABINETS.
	SPECIFICATIONS FOR INFORMATION ON DUCT DETECTORS AND SMOKE DAMPERS. SEE SPECIFICATIONS FOR ITEMS NEEDING ADDRESSABLE CONNECTIONS WITH SUPERVISED INTERFACE. THESE ITEMS MAY NOT BE QUANTIFIED ON THE ELECTRICAL DRAWINGS, BUT SHALL BE COORDINATED WITH ALL OTHER TRADES AND DRAWINGS	6'-3"		TOP OF BACK-MOUNTED WALL EXIT FIXTURES (NOT MOUNTED ABOVE DOORS).
	CONTRACTOR TO ACCOUNT FOR VOLTAGE DROP WHERE LONG RUNS ARE TO BE PROVIDED.	6'-0"		TOP OF HIGHEST ELECTRICAL SAFETY DISCONNECT SWITCHES, MAGNETIC STARTERS, CONTACTORS.
	ELECTRICAL CONTRACTOR TO PROVIDE ALL CUTTING AND PATCHING IN EXISTING BUILDING RELATED TO THE NEW ELECTRICAL WORK. ELECTRICAL CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE IN WRITING ALL	4'-6"	₩ 40	CENTERLINE OF OPERATING HANDLE FOR WALL MOUNTED DISCONNECT SWITCHES AND MOTOR STARTERS; WALL MOUNTED TELEPHONE AND PAY STATIONS (3'-6" AT HANDICAP LOCATIONS VERIFY EXACT HEIGHT PRIOR TO ROUGH IN)
	MATERIALS EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER	3'-10"	ФСТ \$ \$ _М ▼ _W	WALL PHONE, ELECTRICAL DEVICE LIGHTING SWITCHES, MANUAL MOTOR STARTERS, SECURITY CARD, AND GFI RECEPTACLES IN TOILET ROOMS OR FOR SEPARATE SINKS NOT IN CASEWORK.
1;	B. THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO THE ARCHITECT & ENGINEER ASBUILT DRAWINGS AND OPERATION AND MAINTENANCE MANUALS INCLUDING ALL NAMEPLATE DATA, WIRING DIAGRAMS, MAINTENANCE INSTRUCTIONS AND PARTS LIST UPON PROJECT COMPLETION.	3'-6"	M	FIRE ALARM PULL STATIONS
14	ELECTRICAL CONTRACTOR SHALL MAINTAIN A CLEAN AND SAFE WORK AREA AT ALL TIMES. ALL SAFETY PROCEDURES AND ENFORCEMENT IS THE RESPONSIBILITY OF THE	2'-0"	Φ	ELECTRICAL RECEPTACLES WITHIN MECHANICAL SPACES, ELECTRICAL AND ELEVATOR ROOMS.
18	CONTRACTOR. THE CONTRACTOR SHALL CONFORM TO ALL OSHA STANDARDS. 5. THESE DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW THE LOCATION OF EVERY WIRE. CONDUIT, FITTING, ETC., BUT IS LINDERSTOOD THAT THE	1'-6"	Φ Ψ	ELECTRICAL RECEPTACLES, TELEPHONE OUTLETS, DATA OUTLETS, TELEPHONE/DATA OUTLETS
	OF EVERY WIRE, CONDUIT, FITTING, ETC., BUT IS UNDERSTOOD THAT THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND LABOR FOR COMPLETE WORKABLE SYSTEMS UNLESS NOTED OTHERWISE IN THIS SPECIFICATION OR ON THE DRAWINGS.	0"		FINISHED FLOOR
	-			

- MOUNTING HEIGHTS TO CENTER OF OUTLETS UNLESS OTHERWISE NOTED. IN MASONRY CONSTRUCTION THE ABOVE MOUNTING HEIGHTS SHALL BE USED FOR REFERENCE TO NEAREST
- 2. THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE ON THE DRAWING OR SPECIFICATIONS.
- 3. A '+' BESIDE A DEVICE INDICATES THAT DEVICE IS MOUNTED ABOVE A COUNTER OR CASEWORK. COORDINATE WITH ARCHITECTURAL ROOM ELEVATIONS, DETAILS AND CASEWORK CONTRACTOR.

THE ELECTRICAL SYSTEMS PRESENTED ON THE SUBSEQUENT DRAWINGS WERE DESIGNED IN ACCORDANCE WITH THE FOLLOWING APPLICABLE CODES AND STANDARDS:

- THE NATIONAL ELECTRICAL CODE (NEC), 2017
- INTERNATIONAL BUILDING CODE (IBC), 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2018
- ASHRAE STANDARD 90.1

GENERAL FIRE ALARM DEMOLITION NOTES:

- 1. DEMOLITION OF ALL EXISTING FIRE ALARM EQUIPMENT AND ASSOCIATED RACEWAY SHALL BE COORDINATED WITH NEW WORK INSTALLATION.
- 2. ALL EXISTING DEVICES IN AREAS WHERE NEW ARE SHOWN SHALL BE REMOVED IN THEIR ENTIRETY. ALL ASSOCIATED RACEWAY AND WIRE SHALL BE REMOVED.
- THIS CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY/ALL DAMAGES TO EXISTING FLOORS, FLOOR TILES, WALLS, CEILINGS, FURNISHINGS, ETC. DUE TO THE REMOVAL PROCESS OF FIRE ALARM EQUIPMENT AND ALL ASSOCIATED ITEMS.
- 4. ALL MATERIAL AND EQUIPMENT REMOVED SHALL BE PROPERLY DISPOSED OF BY THE
- 5. ALL EXISTING CONDUITS AND WIRING NOT BEING USED SHALL BE REMOVED BACK TO

GENERAL FIRE ALARM INSTALLATION NOTES:

- EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL UNTIL THE NEW FIRE ALARM SYSTEM IS INSTALLED, TESTED, INSPECTED, AND ACCEPTED. ENSURE EXISTING SYSTEM REMAINS ON EMERGENCY POWER UNTIL REMOVED. REMOVE ALL COMPONENTS OF EXISTING FIRE ALARM SYSTEM ONCE NEW SYSTEM IS ACCEPTED. NEW SYSTEM SHALL NOT RELY ON ANY EXISTING COMPONENTS. ALL EXISTING DEVICES IN AREAS NOT INCLUDED IN THIS CONTRACT SHALL REMAIN FULLY OPERATIONAL.
- PROVIDE ALL 120V POWER TO NEW FIRE ALARM SYSTEM FROM LIFE SAFETY EMERGENCY PANELBOARDS. PROVIDE ALL NECESSARY WIRE, CONDUIT, CIRCUIT BREAKERS AND CONNECTIONS AS REQUIRED BY SELECTED FIRE ALARM SYSTEM.

	SIGNAL SYSTEM		LIGHTING
S	SMOKE DETECTOR		2'x2' LIGHTING FIXTURE
(DUCT MOUNTED SMOKE DETECTOR		2'x4' LIGHTING FIXTURE
 ©	CARBON MONOXIDE DETECTOR		2'x4' LIGHTING FIXTURE-EMERGENCY
			1'x8' LIGHTING FIXTURE
(H)	HEAT DETECTOR		2'x8' LIGHTING FIXTURE
M	MANUAL PULL STATION - SHALL BE MOUNTED SUCH THAT THE HANDLE IS NOT LESS THAN 42" AND NOT GREATER THAN 54" AFF.		1'x4' LIGHTING FIXTURE
	AUDIO ALARM - SHALL BE MOUNTED WITH THEIR TOPS		6"X4' LIGHTING FIXTURE
E□	AFF AT HEIGHTS OF NOT LESS 90" AFF NOTE-EXISTING SYSTEM IS A VOICE ALARM SYSTEM		6"x2' LIGHTING FIXTURE
EK\$	AUDIO/VISUAL ALARM - SHALL BE MOUNTED SUCH THAT ENTIRE LENS IN NOT LESS THAN 80" AND NOT GREATER		WALL PACK LIGHTING FIXTURE
	THAN 96" AFF. NOTE-EXISTING SYSTEM IS A VOICE ALARM SYSTEM		STRIP LIGHT
F ¢	VISUAL ALARM - SHALL BE MOUNTED SUCH THAT ENTIRE LENS IS NOT LESS THAN 80" AND NOT	♦	WALL WASHER FIXTURE
∇	GREATER THAN 96" AFF. AUDIO ALARM - CEILING MOUNTED	0	ROUND RECESSED DOWNLIGHT FIXTURE
8	NOTE-EXISTING SYSTEM IS A VOICE ALARM SYSTEM	•	NORMAL EMERGENCY FIXTURE
\$	AUDIO/VISUAL ALARM - CEILING MOUNTED NOTE-EXISTING SYSTEM IS A VOICE ALARM SYSTEM		EMERGENCY BATTERY UNIT
		\dashv	REMOTE HEAD
È	VISUAL ALARM - CEILING MOUNTED	⊬⊗	EXIT SIGN-DOUBLE FACE
DН	DOOR HOLDER - PROVIDE CONNECTION TO DOOR HARDWARE PROVIDE POWER FROM CIRCUIT SHOWN FOR DOOR HARDWARE. PROVIDE CONNECTION TO	↑⊗↑	EXIT SIGN-CEILING MOUNTED WITH DIRECTIONAL ARROWS
וטוו	FIRE ALARM SYSTEM AND TO SMOKE DETECTORS. PROVIDE CONNECTION TO PANIC BUTTON IN	Ю	EXIT SIGN-SINGLE FACE
FO	RECEPTION.	Ю	WALL SCONCE
FS	FLOW SWITCH		
TS	TAMPER SWITCH		
PS	PRESSURE SWITCH		WIRING DEVICES
TC	TIME CLOCK	\$	SINGLE POLE SWITCH - 3'-10" AFF UNLESS OTHERWISE NOTED
		φ.	

ADDRESSABLE INPUT MODULE

PUSHBUTTON - PROVIDE IN CASEWORK AND PROVIDE

WIRING TO SECURITY SYSTEM FOR DOOR LOCKDOWN.

COORDINATE WITH CASEWORK AND DISTRICT

FLOOR BOX MOUNTED DATA/TELEPHONE OUTLET

CARD READER - EXTERIOR LOCATIONS - PROVIDE SQUARE BACK BOX AND EXTEND 1" CONDUIT WITH

APPROPRIATE WIRING TO NEAREST DOOR HARDWARE

APPROPRIATE WIRING TO NEAREST DOOR HARDWARE

COMBINATION DATA/TELEPHONE OUTLET - PROVIDE A

4" SQUARE JUNCTION BOX WITH PLASTER RING AND A

3/4" CONDUIT STUB TO ABOVE ACCESSIBLE CEILING SPACE. MOUNT 1'-6" AFF UNLESS OTHERWISE NOTED

DATA OUTLET WITH # OF JACKS (MINIMUM 2 JACKS

CAMERA - PROVIDE BACK BOX ABOVE CEILING WITH 6'

WEATHERTIGHT DOUBLE GANG BACK BOX WITH COVER

AS PER OWNER'S REQUIREMENTS. WHERE LOCATED IN A

COORDINATE MOUNTING HEIGHT ON WALL WITH OWNER

PRIOR TO ROUGH-IN, BOX MAYBE RECESSED IN WALL.

CLOSET. COORDINATE EXACT LOCATION IN THE FIELD

DOOR CONTACT - PROVIDE DOUBLE GANG BOX ABOVE

PROVIDE CAT 6E CABLE BACK TO NEAREST DATA

PA HORN SPEAKER OUTDOOR WEATHER PROOF

WIRELESS CLOCK - WHERE WALL MOUNTED,

ABBREVIATIONS & SYMBOLS

COORDINATE LOCATION IN THE FIELD WITH THE

COUNTER HEIGHT-44" AFF (UNLESS OTHERWISE NOTED)

TELEPHONE OUTLET - MOUNT 1'-6" AFF UNLESS

SPACE WITHOUT CEILINGS (OR HIGH CEILINGS).

WHIP WHERE LOCATED OUTSIDE, PROVIDE

INTERFACE. INTERIOR LOCATIONS - PROVIDE SINGLE

INTERFACE COORDINATE FINAL LOCATION IN THE

FIELD. PROVIDE CAT 6E CABLE TO NEAREST DATA

BACK BOX AND EXTEND 1" CONDUIT WITH

PER LOCATION) - MOUNT 1'-6" AFF

UNLESS OTHERWISE NOTED

OTHERWISE NOTED

WITH THE OWNER.

PA HORN SPEAKER

ARCHITECT AND OWNER.

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

DUCT COIL

EXHAUST FAN

DRINKING FOUNTAIN

ELECTRICAL CONTRACTOR

EXISTING TO BE RELOCATED

EXISTING TO BE DEMOLISHED

GROUND FAULT INTERRUPTER

KITCHEN EQUIPMENT SUPPLIER

TRANSIENT VOLTAGE SURGE SUPPRESSER

PLUMBING CONTRACTOR

DRAWING NOTE BY SYMBOL

EXISTING TO REMAIN

HVAC CONTRACTOR

HEAT PUMP

HIGH VOLUME

MICROWAVE

WALL MOUNTED

WEATHERPROOF

GENERAL CONTRACTOR

AUTOMATIC TRANSFER SWITCH

ACCESSIBLE CEILING.

CEILING MOUNTED SPEAKER

CAMERA

DC

ERL

ETR

MW

WM

ADDRESSABLE RELAY

SECURITY VENDOR

VOLUME CONTROL

KEY BOX

	WIRING DEVICES
\$	SINGLE POLE SWITCH - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ ₃	3-WAY SWITCH - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ ₄	4-WAY SWITCH - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ _K	KEY SWITCH - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ _{T5}	SPRING WOUND TIME SWITCH, 5-MINUTE MAXIMUM DURATION - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ _T	SPRING WOUND TIME SWITCH, 1-HOUR MAXIMUM DURATION - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ _D	DIMMER SWITCH - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ _M	MANUAL MOTOR STARTER SWITCH - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ _{3D}	3-WAY DIMMER SWITCH - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ _{OS}	OCCUPANCY SENSOR SWITCH - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ _P	PILOT LIGHT SWITCH - 3'-10" AFF UNLESS OTHERWISE NOTED
\$ _{MO}	MANUAL OVERRIDE
\$ _{Dos}	SWITCH WITH OCCUPANCY SENSOR AND DIMMING CAPABILITY 3' 10"AFF UNLESS NOTED OTHERWISE
(OS)	DUAL TECHNOLOGY OCCUPANCY SENSOR - 360°
←(OS)→	DUAL TECHNOLOGY OCCUPANCY SENSOR - CORRIDOR PATTERN
os T	DUAL TECHNOLOGY OCCUPANCY SENSOR - CORNER MOUNT
(DS)	CEILING MOUNTED DAYLIGHT SENSOR
\$ _{LC}	MULTIPLE BUTTON DIGITAL CONTROL STATION WITH ON/OFF - 3'-10"AFF UNLESS OTHERWISE NOTED.
Φ	DUPLEX RECEPTACLE - NEMA 5-20R, MOUNT 1'-6" AFF UNLESS OTHERWISE NOTED
ФСТ	COUNTER TOP DUPLEX RECEPTACLE MOUNT 3" ABOVE BACKSPLASH OR AT 3'-10"
Φ^{T}	TAMPERPROOF DUPLEX RECEPTACLE - NEMA 5-20R, MOUNT 1'-6" AFF UNLESS OTHERWISE NOTED
$\phi^{\sf USB}$	DUPLEX RECEPTACLE WITH USB PORT - MOUNT AT 1'-6" UNLESS NOTED OTHERWISE
Φ	SINGLE RECEPTACLE - MOUNT 1'-6" AFF UNLESS OTHERWISE NOTED
P	GFI DUPLEX RECEPTACLE - MOUNT AT 1'-6" AFF UNLESS OTHERWISE NOTED
Φ	DUPLEX RECEPTACLE WITH TOP SWITCHED - 1'-8" AFF UNLESS NOTED OTHERWISE
 	QUAD RECEPTACLE - NEMA 5-20R, MOUNT 1'-6" AFF UNLESS OTHERWISE NOTED
φ	SINGLE PHASE SPECIAL RECEPTACLE - MOUNT 1'-6" AFF UNLESS OTHERWISE NOTED
Φ	THREE PHASE SPECIAL RECEPTACLE - MOUNT 1'-6" AFF UNLESS OTHERWISE NOTED
Φ	FLOOR BOX MOUNTED DUPLEX RECEPTACLE
FB	COMBINATION POWER/COMMUNICATIONS FLOOR BOX-DEVICES AS INDICATED
R	CORD REEL
TV	TELEVISION CABLE OUTLET
(PT)	POKE THRU RECEPTACLE

TV	TELEVISION CABLE OUTLET
PT	POKE THRU RECEPTACLE
	PANELBOARDS
_	SURFACE MOUNTED PANEL
_	FLUSH MOUNTED PANEL
<u>\(\tag{\tau} \) \(\tau \) \</u>	EXISTING SURFACE MOUNTED PANEL
	EXISTING FLUSH MOUNTED PANEL
	CIRCUITING
JB	JUNCTION BOX
ROOM NAME ROOM # P-1	BRANCH CIRCUIT NUMBER FOR ALL ITEMS IN THIS ROOM UNLESS OTHERWISE INDICATED - (*) INDICATES CONNECTION TO CIRCUIT NUMBER SHOWN NEXT TO DEVICE
DEMO	OLITION DRAWING LINETYPE DESIGNATIONS
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED



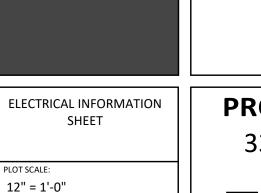
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REVISIONS

01 MM-DD-YR NAME DESCRIPTION OF CHANGES

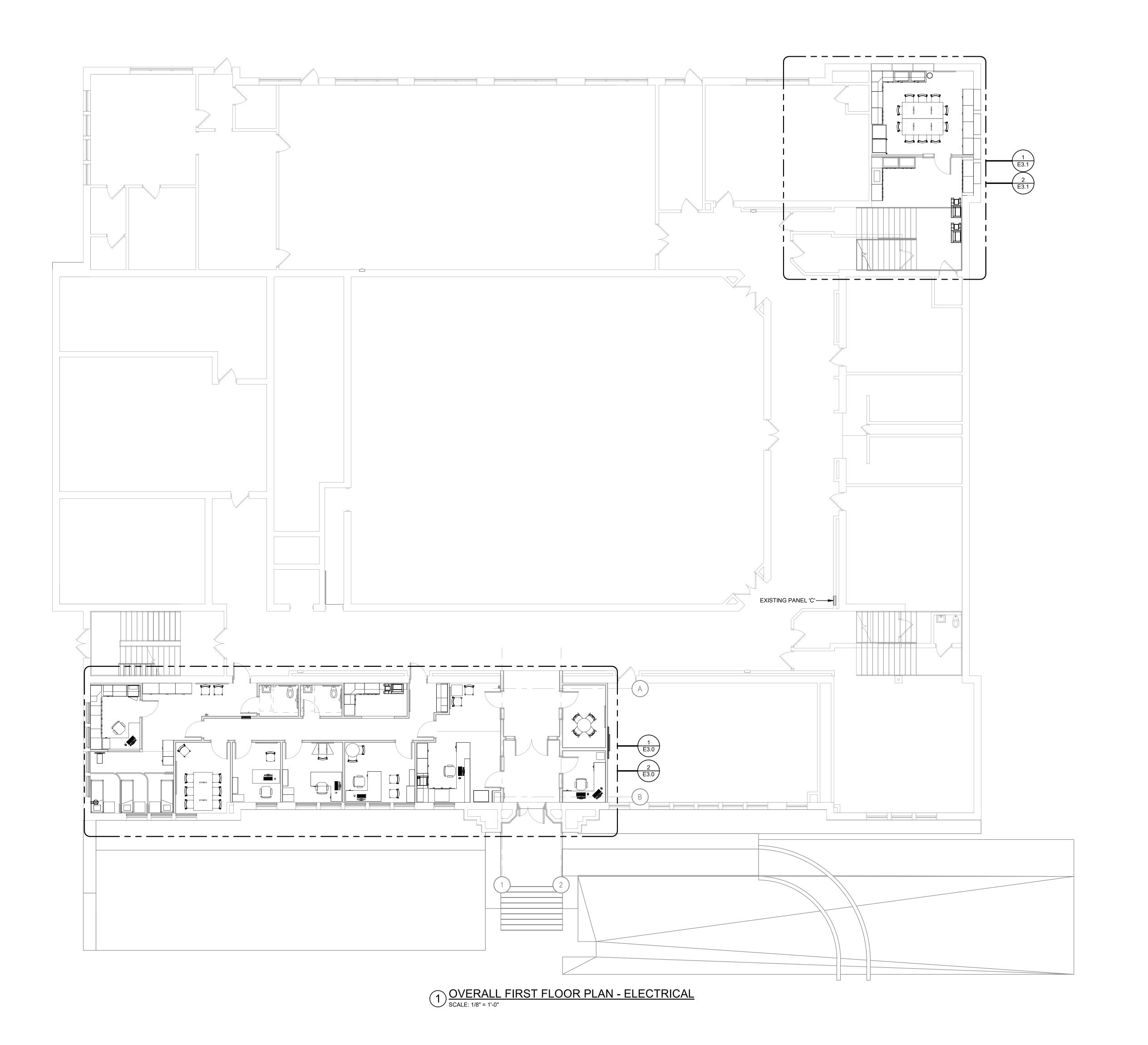
UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2019



02/08/2024

PROJECT 3378.1

NOT ALL ABBREVIATIONS AND SYMBOLS INDICATED MAY APPEAR ON THESE CONTRACT DRAWINGS. THIS IS FOR REFERENCE ONLY.



BARRY
ISETT&
associates

MULT-DISCIPLINE ENGINEERS AND CONSULTANTS **6**10.398.0904 barryisett.com

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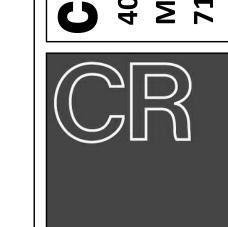
REVISIONS

01 MM-DD-YR NAME DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055

717-458-0272

W

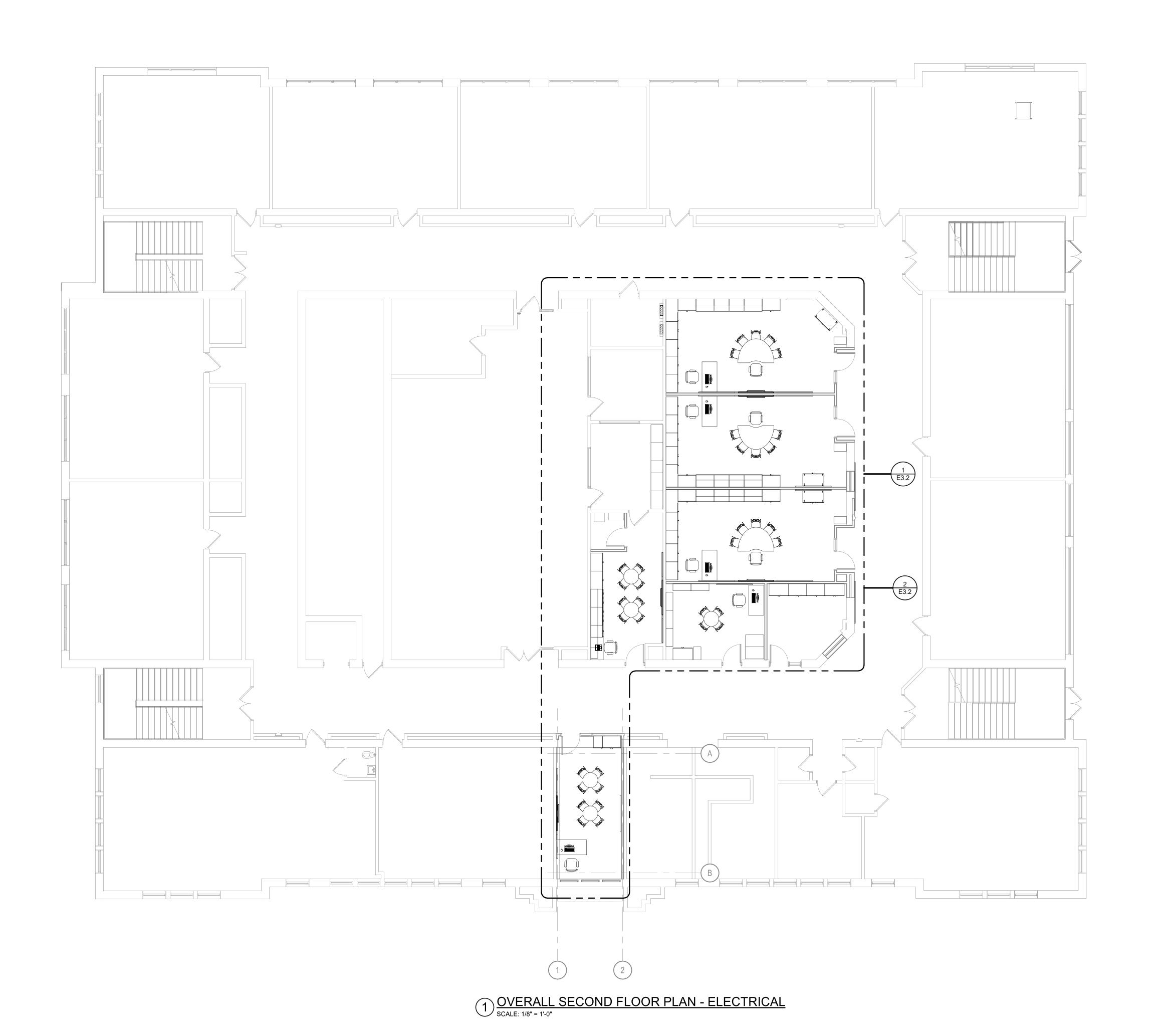


OVERALL FIRST FLOOR PLAN - ELECTRICAL

3378.1 PLOT SCALE: 1/8" = 1'-0" FILENAME:

PROJECT

02/08/2024





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MM-DD-YR NAME DESCRIPTION OF CHANGES

ARYLAND

Www.cra-architects
SVILLE, VIRGINIA
HUR SPRINGS, WEST VIRGINIA
HOO DISTRICT

CRABTREE ROHRBAUGH & ASSOCIA

401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272
PALMERTON AREA SCHOOL DI
S.S. PALMER ELEMENTARY
SECURITY VESTIBULE & RENOV

CB 401 MEC

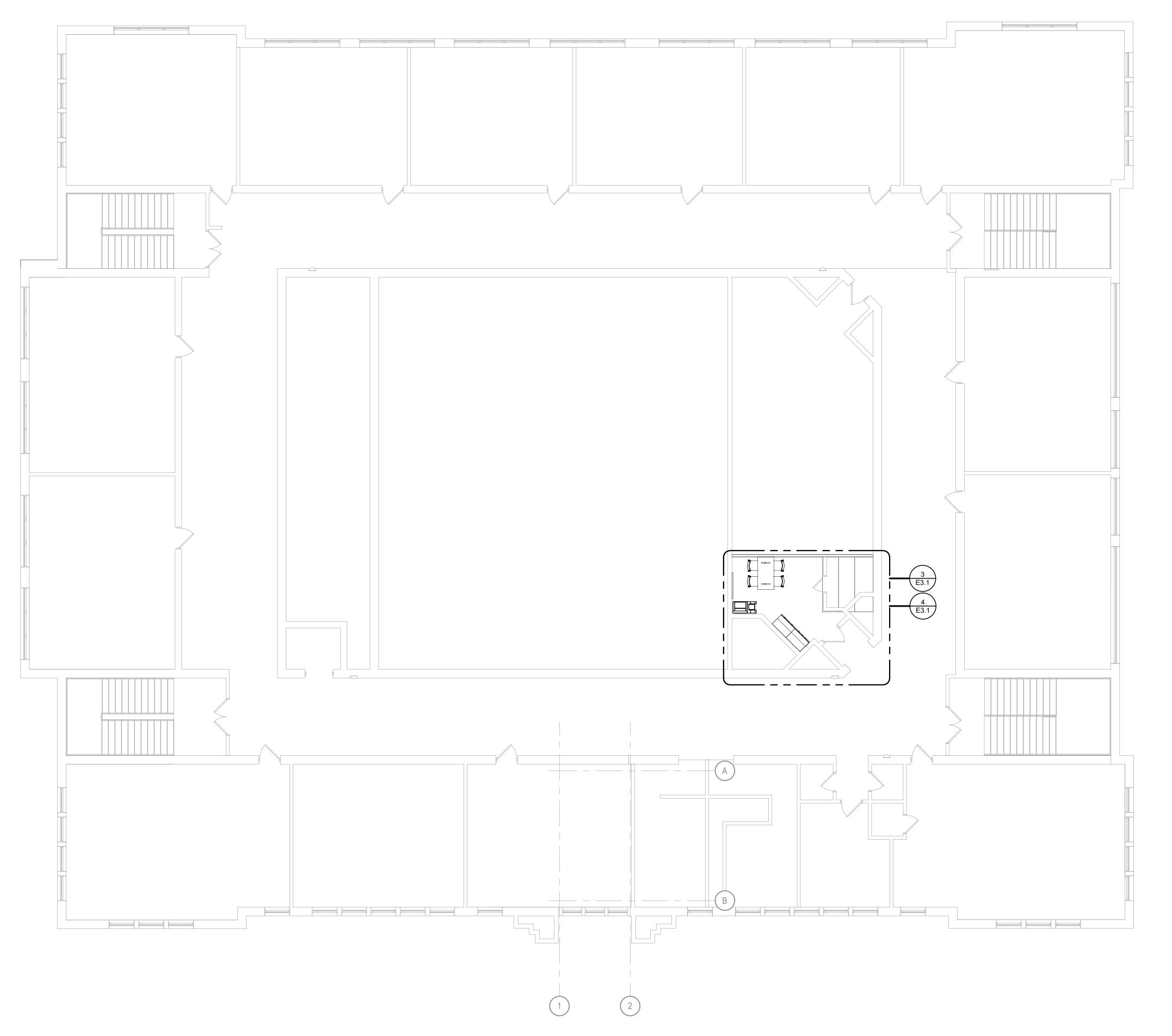
OVERALL SECOND FLOOR
PLAN - ELECTRICAL

02/09/24

1/8" = 1'-0"

3378.1 E1.1

PROJECT



OVERALL THIRD FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"



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REVISIONS

O1 MM-DD-YR NAME DESCRIPTION OF CHANGES

N, MARYLAND
TTESVILLE, VIRGINIA
OLPHUR SPRINGS, WEST VIRGINIA
SCHOOL DISTRICT

CRABTREE ROHRBAUGH & ASSOCI

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

PALMERTON AREA SCHOOL E

S.S. PALMER ELEMENTARY

S.S. PALMER ELEMENTARY

CH401
MEC

OVERALL THIRD FLOOR PLAN
- ELECTRICAL
PLOT SCALE:
1/9/10-11-01/10

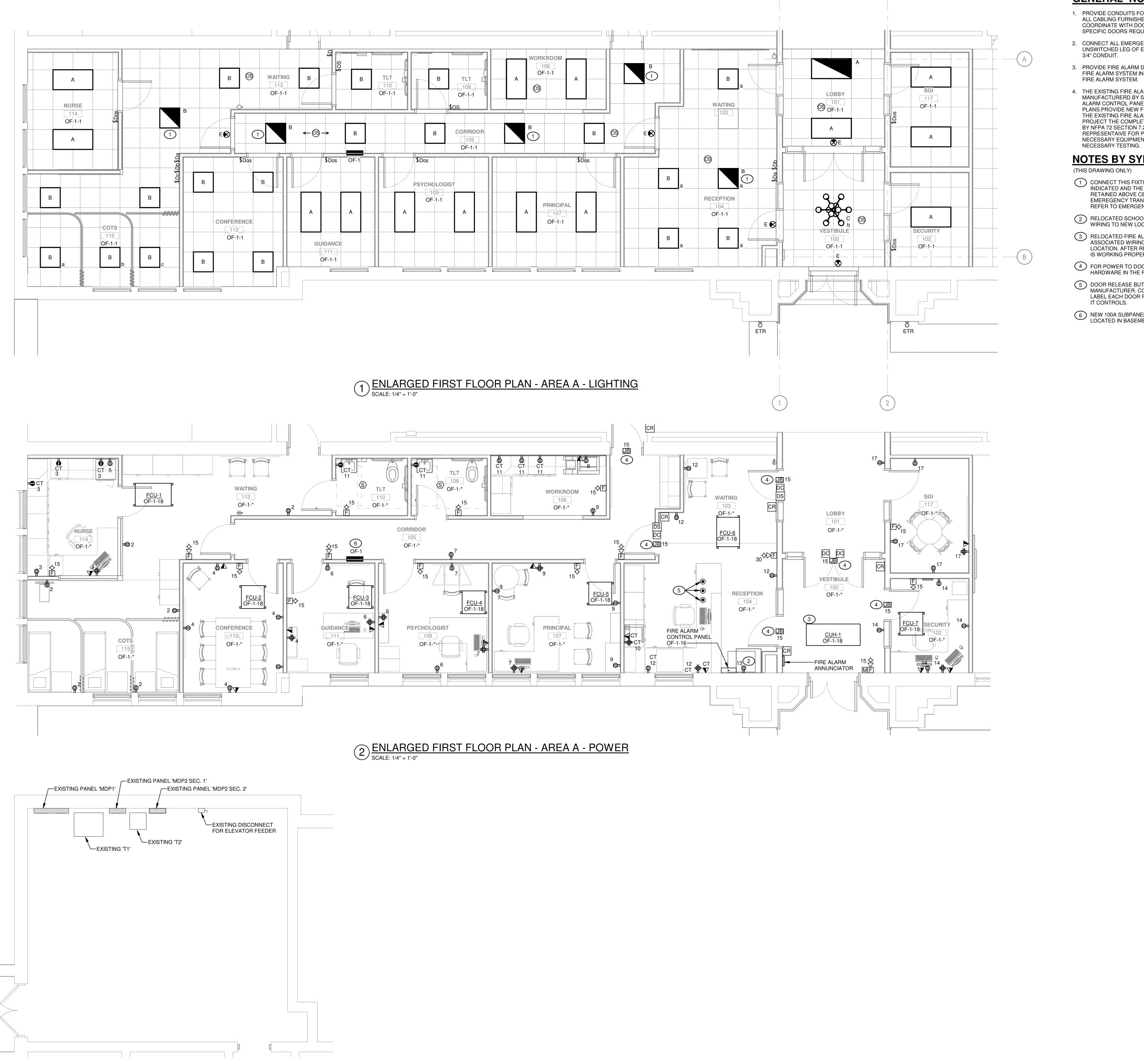
PLOT SCALE:

1/8" = 1'-0"

FILENAME:

02/09/24

DATE:



3 PARTIAL BASEMENT PLAN - ELECTRICAL SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- 1. PROVIDE CONDUITS FOR ALL DOOR HARDWARE CABLING. INSTALL ALL CABLING FURNISHED BY THE DOOR HARDWARE SUPPLIER. COORDINATE WITH DOOR HARDWARE SUPPLIED FOR A LIST OF SPECIFIC DOORS REQUIRING CABLING INSTALLATION.
- 2. CONNECT ALL EMERGENCY LIGHTING AND EXIT SIGNS TO LOCAL UNSWITCHED LEG OF EMERGENCY CIRCUIT WITH 2#12, 1#12G IN 3/4" CONDUIT.
- 3. PROVIDE FIRE ALARM DEVICES COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM IN THE SCHOOL AND CONNECT TO EXISTING FIRE ALARM SYSTEM.
- 4. THE EXISTING FIRE ALARM SYSTEM IS A VOICE ALARM SYSTEM MANUFACTURERD BY SIMPLEX GRINELL. THE EXISTING FIRE ALARM CONTROL PANEL IS A 4100ES LOCATION AS SHOWN ON THE PLANS.PROVIDE NEW FIRE ALARM DEVICES COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM AND INCLUDE AS PART OF THE PROJECT THE COMPLETE FIRE ALARM DOCUMENTAION REQUIRED BY NFPA 72 SECTION 7.2. CONTACT YOU LOCAL IMPLEX REPRESENTAIVE FOR PRICING ASSOCIATED WITH THE NECESSARY EQUIPMENT ON THIS PROJECT AND INCLUDE ALL

NOTES BY SYMBOL:

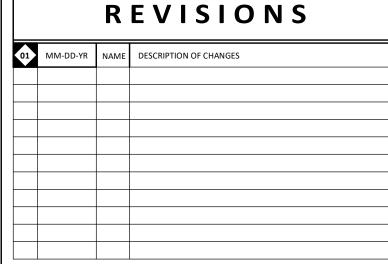
(THIS DRAWING ONLY)

- 1 CONNECT THIS FIXTURE TO THE NEW NORMAL LIGHTING CIRCUIT INDICATED AND THE EXISTING EMERGENCY LIGHTING CIRCUIT RETAINED ABOVE CEILING DURING DEMOLITION THROUGH AN EMEREGENCY TRANSFER DEVICE WITH 2 #12 \$ 1 #12G IN 3/4"C. REFER TO EMERGENCY TRANSFER DEVICE DETAIL
- 2 RELOCATED SCHOOL PA SYSTEM, RECONNECT ALL ASSOCIATED WIRING TO NEW LOCATION THROUGH CEILING.
- 3 RELOCATED FIRE ALARM CONTROL PANEL, RECONNECT ALL ASSOCIATED WIRING FROM DEMOLISHED LOCATION TO NEW LOCATION. AFTER RECONNECTION ENSURE FIRE ALARM SYSTEM IS WORKING PROPERLY.
- 4 FOR POWER TO DOOR. COORDINATE CONNECTIONS TO DOOR HARDWARE IN THE FIELD.
- 5 DOOR RELEASE BUTTONS, COORDINATE WITH DOOR HARDWRAE MANUFACTURER. COORDINATE EXACT LOCATIONS WITH OWNER. LABEL EACH DOOR RELEASE BUTTON TO INDICATE WHICH DOOR
- 6 NEW 100A SUBPANEL OF-1 FROM SPARE IN PANEL MDP-2 LOCATED IN BASEMENT. SEE ONE LINE DIAGRAM FOR WIRE SIZE.

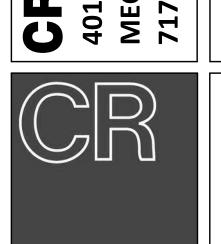


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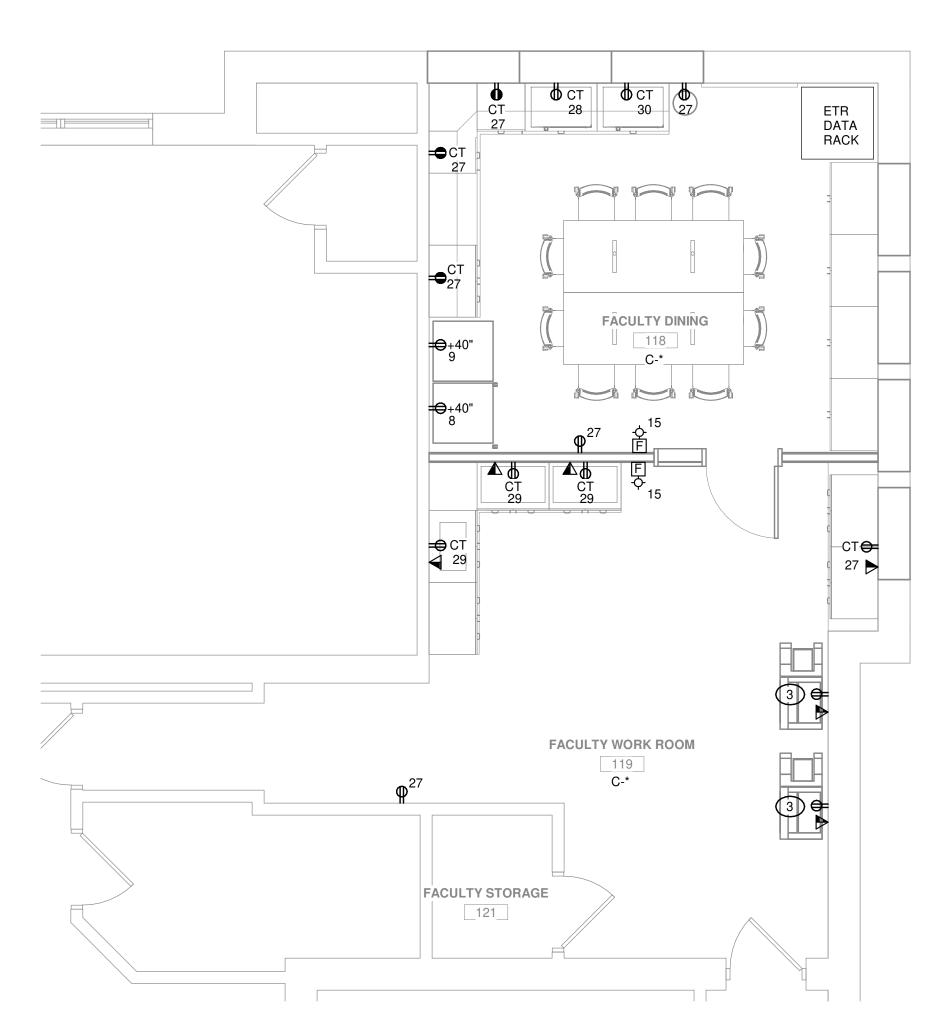
S



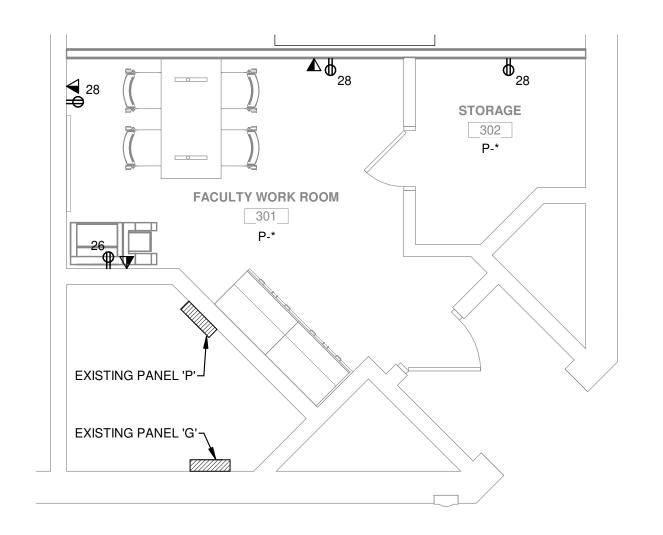
ROHRBA

ENLARGED PLANS -ELECTRICAL

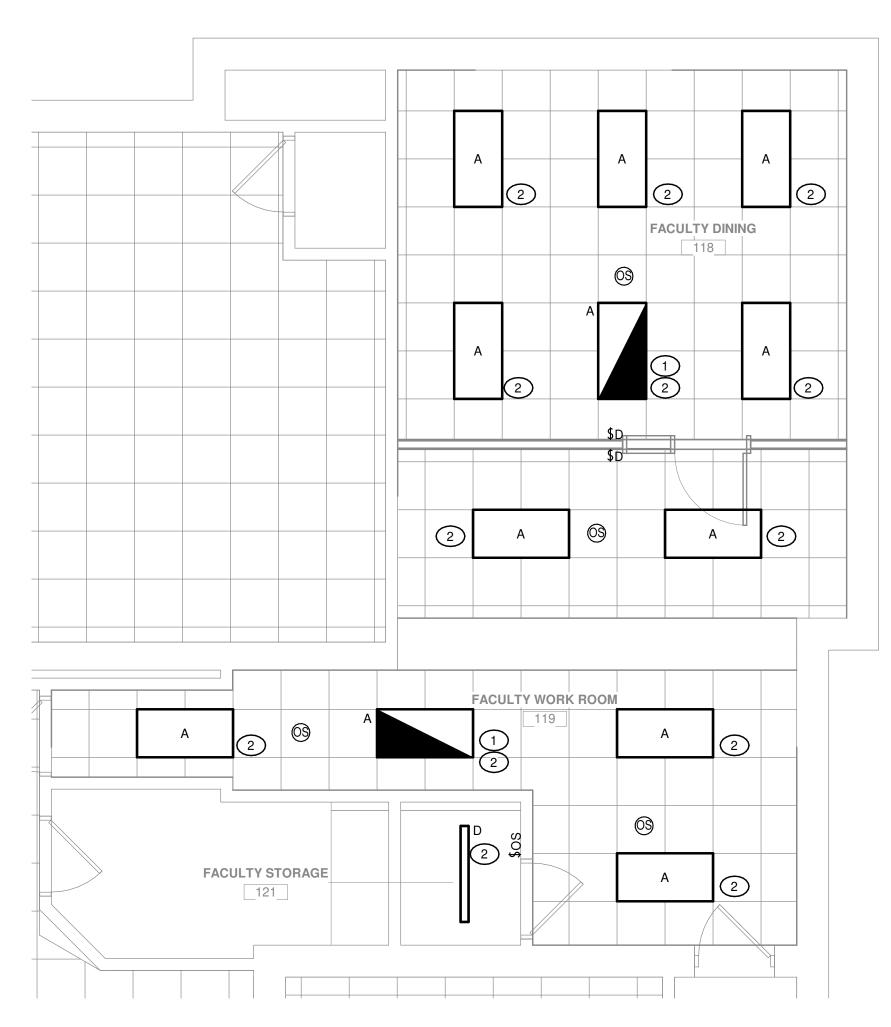
PROJECT 3378.1



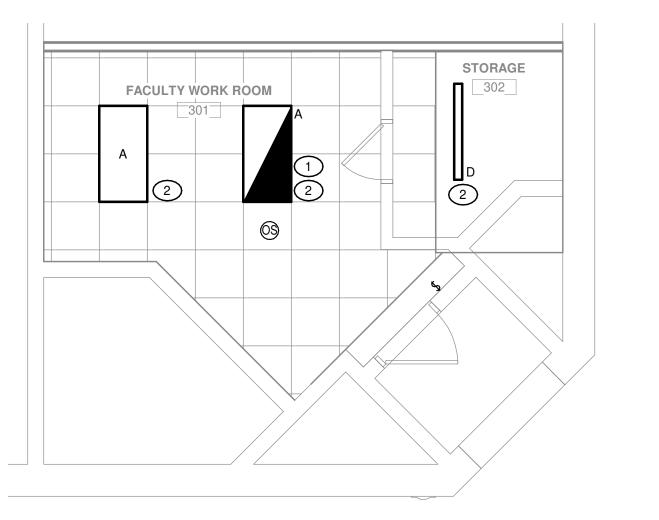
1 ENLARGED FIRST FLOOR PLAN - AREA B - POWER
SCALE: 1/4" = 1'-0"



3 ENLARGED THIRD FLOOR PLAN - POWER SCALE: 1/4" = 1'-0"



2 ENLARGED FIRST FLOOR PLAN - AREA B - LIGHTING SCALE: 1/4" = 1'-0"



4 ENLARGED THIRD FLOOR PLAN - LIGHTING SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- 1. CONNECT ALL EMERGENCY LIGHTING AND EXIT SIGNS TO LOCAL UNSWITCHED LEG OF EMERGENCY CIRCUIT WITH 2#12, 1#12G IN 3/4" CONDUIT.
- PROVIDE FIRE ALARM DEVICES COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM IN THE SCHOOL AND CONNECT TO EXISTING FIRE ALARM SYSTEM.
- 3. THE EXISTING FIRE ALARM SYSTEM IS A VOICE ALARM SYSTEM MANUFACTURERD BY SIMPLEX GRINELL. THE EXISTING FIRE ALARM CONTROL PANEL IS A 4100ES LOCATION AS SHOWN ON THE PLANS.PROVIDE NEW FIRE ALARM DEVICES COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM AND INCLUDE AS PART OF THE PROJECT THE COMPLETE FIRE ALARM DOCUMENTAION REQUIRED BY NFPA 72 SECTION 7.2. CONTACT YOU LOCAL IMPLEX REPRESENTAIVE FOR PRICING ASSOCIATED WITH THE NECESSARY EQUIPMENT ON THIS PROJECT AND INCLUDE ALL NECESSARY TESTING.

NOTES BY SYMBOL:

(THIS DRAWING ONLY)

- 1 CONNECT THIS FIXTURE TO THE NEW NORMAL LIGHTING CIRCUIT INDICATED AND THE EXISTING EMERGENCY LIGHTING CIRCUIT RETAINED ABOVE CEILING DURING DEMOLITION THROUGH AN EMEREGENCY TRANSFER DEVICE WITH 2 #12 \$ 1 #12G IN 3/4"C. REFER TO EMERGENCY TRANSFER DEVICE DETAIL
- 2 CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUIT MAINTAINED DURING DEMOLITION WITH 2#12, 1#12G, IN 3/4"
- 3 CONNECT PRINTER/COPIER TO SEPERATE DEDICATED CIRCUITS FROM EXISTING PANEL 'C' IF AVAILABLE CIRCUITS AFTER DEMOLITION. OTHERWISE CONNECT TO SEPERATE DEDICATED CIRCUITS IN EXISTING PANEL 'B' WITH 2#12, 1#12G, IN 3/4"CONDUIT



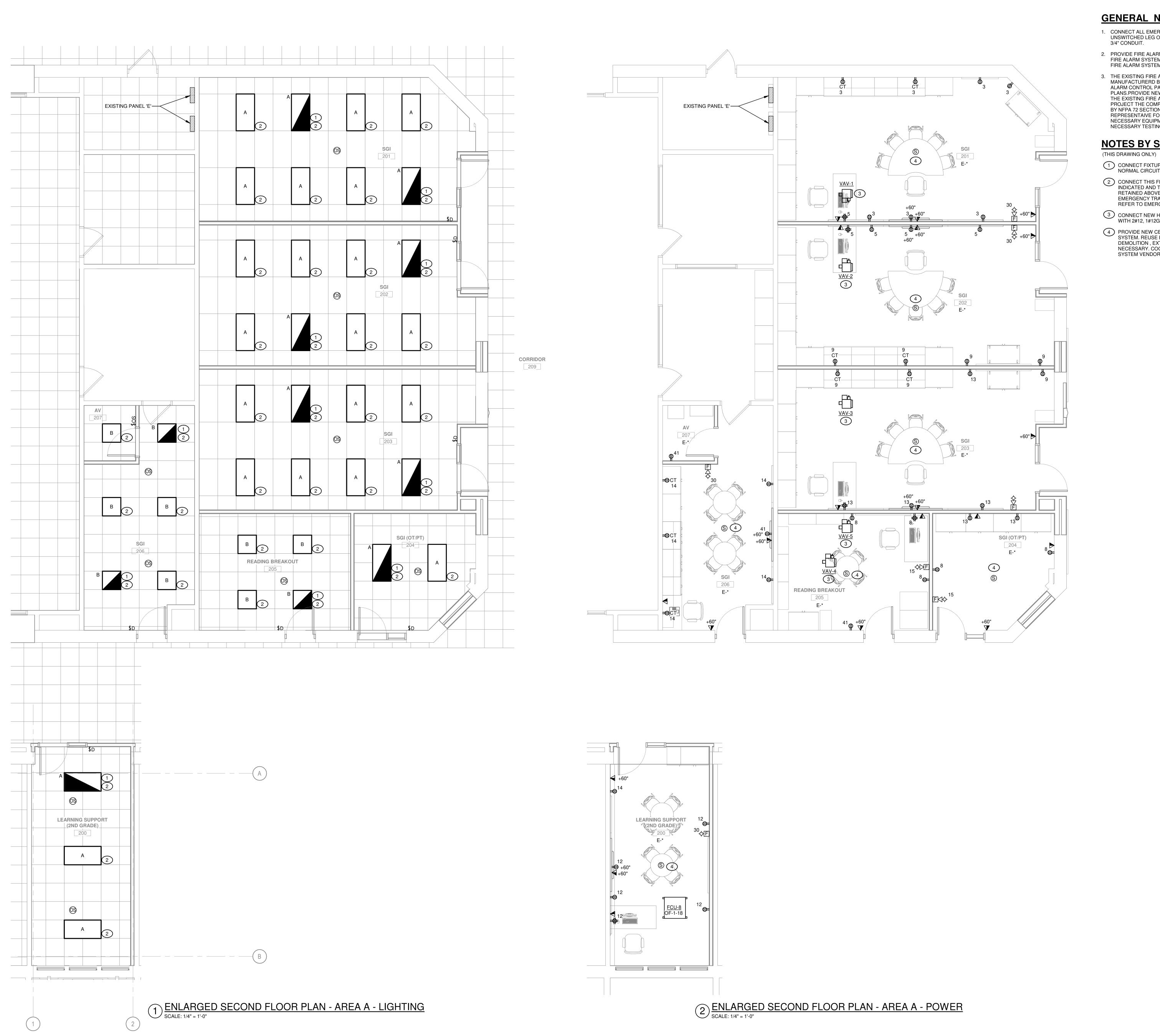
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REVISIONS 01 MM-DD-YR NAME DESCRIPTION OF CHANGES

S.S. PALN SECURIT

PROJECT ENLARGED PLANS -ELECTRICAL 3378.1



GENERAL NOTES:

- 1. CONNECT ALL EMERGENCY LIGHTING AND EXIT SIGNS TO LOCAL UNSWITCHED LEG OF EMERGENCY CIRCUIT WITH 2#12, 1#12G IN 3/4" CONDUIT.
- PROVIDE FIRE ALARM DEVICES COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM IN THE SCHOOL AND CONNECT TO EXISTING FIRE ALARM SYSTEM.
- 3. THE EXISTING FIRE ALARM SYSTEM IS A VOICE ALARM SYSTEM MANUFACTURERD BY SIMPLEX GRINELL. THE EXISTING FIRE ALARM CONTROL PANEL IS A 4100ES LOCATION AS SHOWN ON THE PLANS.PROVIDE NEW FIRE ALARM DEVICES COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM AND INCLUDE AS PART OF THE PROJECT THE COMPLETE FIRE ALARM DOCUMENTAION REQUIRED BY NFPA 72 SECTION 7.2. CONTACT YOU LOCAL IMPLEX REPRESENTAIVE FOR PRICING ASSOCIATED WITH THE NECESSARY EQUIPMENT ON THIS PROJECT AND INCLUDE ALL NECESSARY TESTING.

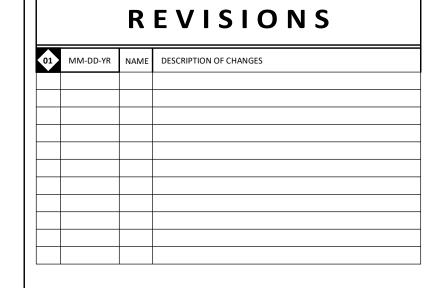
NOTES BY SYMBOL:

- ONNECT FIXTURE TO THE LOCAL EMERGENCY CIRCUIT AND NORMAL CIRCUIT IN THIS AREA WITH 2#12, 1#12G IN 3/4"CONDUIT.
- 2 CONNECT THIS FIXTURE TO THE NEW NORMAL LIGHTING CIRCUIT INDICATED AND THE EXISTING EMERGENCY LIGHTING CIRCUIT RETAINED ABOVE CEILING DURING DEMOLITION THROUGH AN EMERGENCY TRANSFER DEVICE WITH 2 #12, 1 #12G IN 3/4"C. REFER TO EMERGENCY TRANSFER DEVICE DETAIL
- 3 CONNECT NEW HOT WATER VAV TO SPARE 20A-1P BREAKER WITH 2#12, 1#12G IN 3/4" CONDUIT.
- PROVIDE NEW CEILING SPEAKER COMPATIBLE WITH EXISTING PA SYSTEM. REUSE EXISTING WIRING FOR SPEAKERS FROM DEMOLITION, EXTEND TO NEW SPEAKER LOCATION IF NECESSARY. COORDINATE WITH SCHOOL DISTRICT SOUND SYSTEM VENDOR.

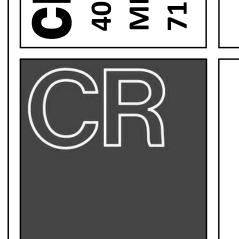


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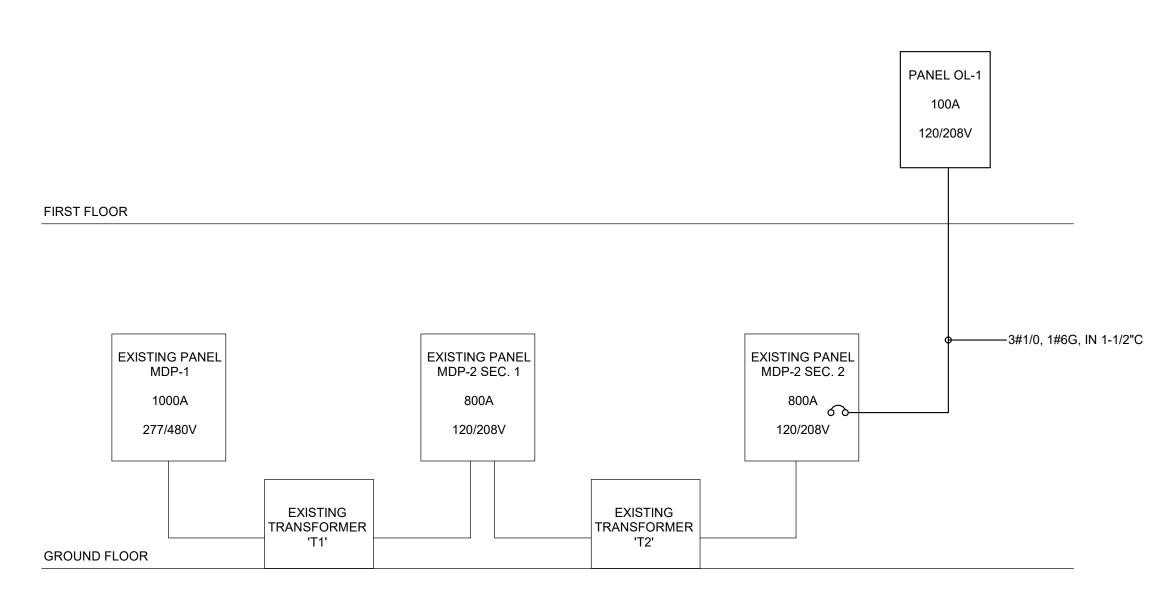
ROHRBAUGH



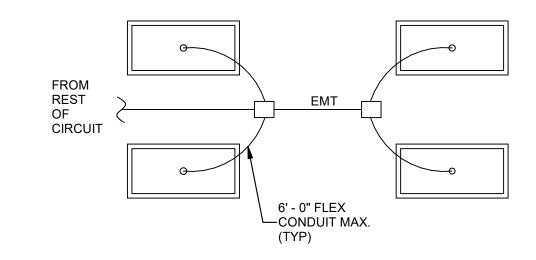
ENLARGED PLANS -ELECTRICAL 1/4" = 1'-0"

3378.1 E3.2 02/09/24

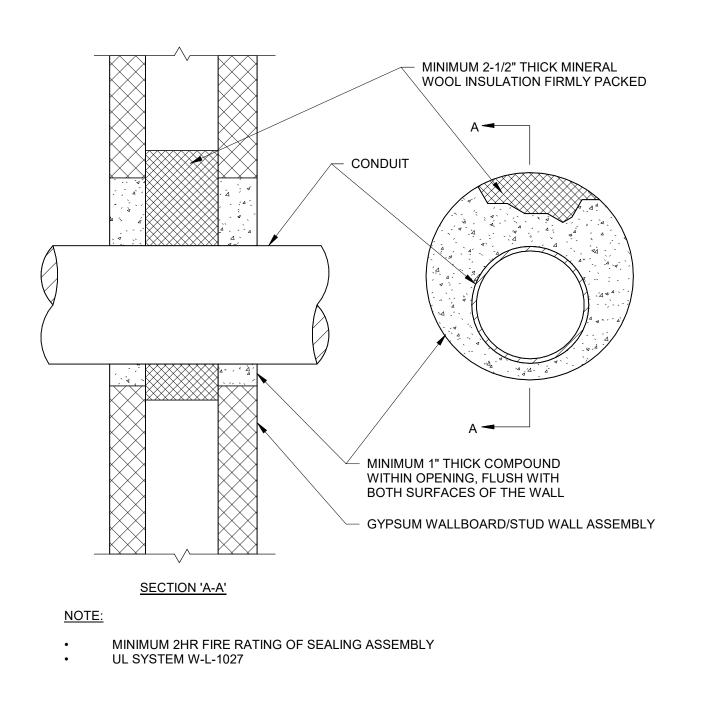
PROJECT



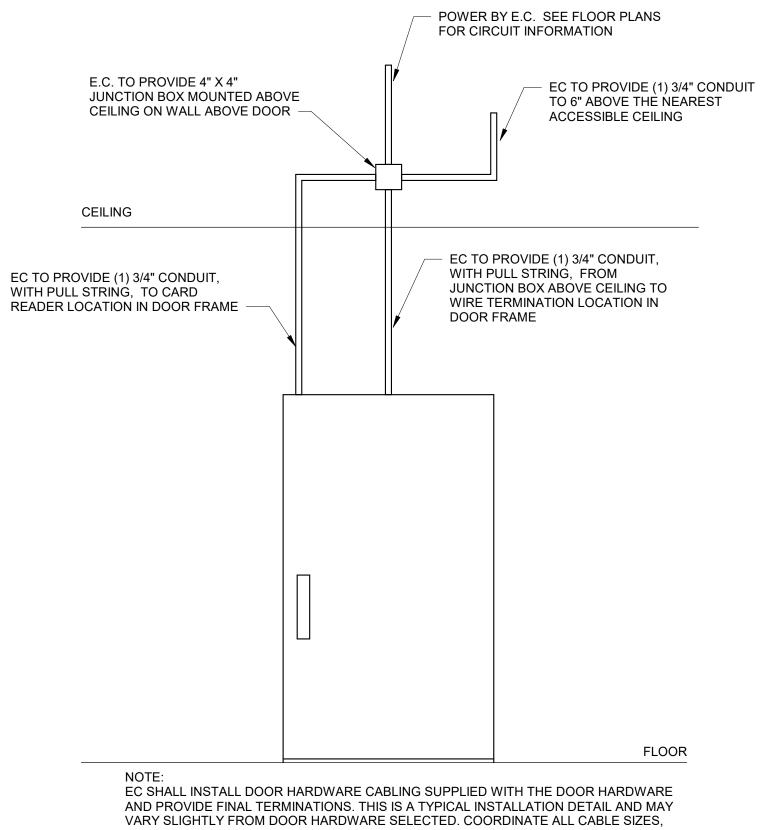
1 ELECTRICAL ONE LINE DIAGRAM SCALE:NO SCALE



3 TYPICAL LIGHT FIXTURE WIRING SCALE:NO SCALE

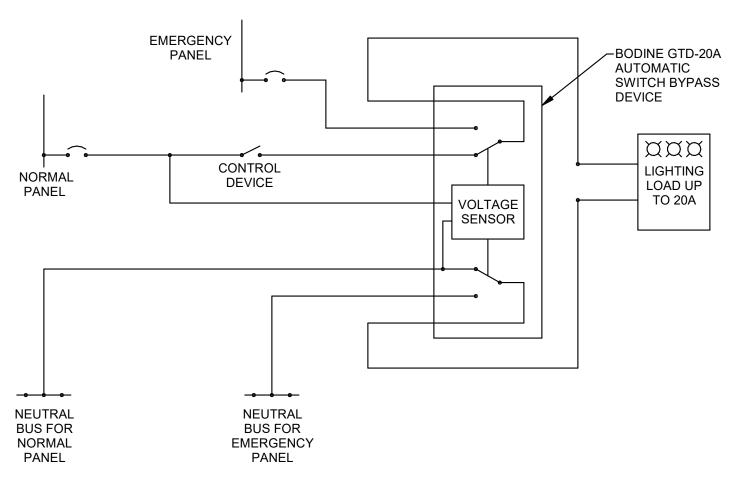


5 WALL CONDUIT PENETRATION - FIRE SEALING SCALE:NO SCALE



CONDUIT TERMINATION LOCATIONS, AND ALL OTHER REQUIREMENTS WITH THE SELECTED HARDWARE PRIOR TO ROUGH IN.

2 DOOR WITH LOCKSET MOUNTED CARD READER SCALE:NO SCALE



4 EMERGENCY LIGHTING SWITCH BYPASS DEVICE SCALE:NO SCALE



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REVISIONS 01 MM-DD-YR NAME DESCRIPTION OF CHANGES

E ROHRBAUGH 3 HILL ROAD PA 17055 S

PROJECT ELECTRICAL DETAILS 3378.1

	PANEL: OF-1		ВІ	JS AMP: 125 A				A	MPS N	MAIN E	BREA	KER:	100	Α					
	MOUNTING: Recessed			PHASE: 3	WI	RE: <u>4</u>	-			,	VOLT.	AGE:	120/20	8	AIC:	18,000		-	
СКТ	CIRCUIT DESCRIPTION	BR	EAKER	WIRE	GND	COND			KVA	/PH			COND	WIRE	GND	BREAK	ER	CIRCUIT DESCRIPTION	СКТ
		Р	AMP	NO SZ NO SZ	NO SZ		,	A	E	3	(<u> </u>		NO SZ NO SZ	NO SZ	AMP	Р		$oldsymbol{ol}}}}}}}}}}}}}}}}}}$
1	LIGHTING - OFFICES	1	20	1-#12, 1-#12,	1-#12	3/4"	1.2	11					3/4"	1-#12, 1-#12,	1-#12	20	1	REC COTS/WAITING	2
3	REC NURSE 114	1	20	1-#12, 1-#12,		3/4"			0.9	0.9			3/4"	1-#12, 1-#12,		20		REC CONFERENCE/GUIDENCE	4
5	REC NURSE REF SEE NOTE 1	1	20	1-#12, 1-#12,	1-#12	3/4"					0.2	0.7	3/4"	1-#12, 1-#12,	1-#12	20	1	REC GUIDENCE/PSYCOLOGIST	6
7	REC PSYCOLOGIST/PRINCIPAL	1	20	1-#12, 1-#12,	1-#12	3/4"	0.7	0.2					3/4"	1-#12, 1-#12,	1-#12	20	1	REC WORKROOM PRINTER/COPIER	8
9	REC PRINCIPAL/WORKROOM	1	20	1-#12, 1-#12,	1-#12	3/4"			0.9	0.2			3/4"	1-#12, 1-#12,	1-#12	20	1	REC RECEPTION PRINTER	10
11	REC TLT/WORKROOM	1	20	1-#12, 1-#12,	1-#12	3/4"					0.9	0.9	3/4"	1-#12, 1-#12,	1-#12	20	1	REC RECEPTION/WAITING	12
13	REC PA SYSTEM	1	20	1-#12, 1-#12,	1-#12	3/4"	0.2	0.9					3/4"	1-#12, 1-#12,	1-#12	20	1	REC SECURITY/VESTIBULE	14
15	DOOR POWER	1	20	1-#12, 1-#12,	1-#12	3/4"			0.0	0.1			3/4"	1-#12, 1-#12,	1-#12	20	1	FIRE ALARM CONTROL PANEL	16
17	REC SGI/LOBBY	1	20	1-#12, 1-#12,	1-#12	3/4"					0.9	0.8	3/4"	1-#12, 1-#12,	1-#12	20	1	FCU-1-8 & CUH	18
19	SPARE	1	20				0.0	0.0								20	1	SPARE	20
21	SPARE	1	20						0.0	0.0						20	1	SPARE	22
23	SPARE	1	20								0.0	0.0				20	1	SPARE	24
25	PREPARED SPACE						0.0	0.0										PREPARED SPACE	26
27	PREPARED SPACE								0.0	0.0								PREPARED SPACE	28
29	PREPARED SPACE										0.0	0.0						PREPARED SPACE	30
		•		TOT	AL KVA/ AL KVA . AMPS	PANEL	4	.2	3. 11	.6	4.	.4	NOTES 1. PRO	S: OVIDE GFI RATEI	O CIRCU	JIT BREA	λKE	ER .	-

	EX. PANEL: E SEC. 1		ВІ	JS AMP: 225 A				A	MPS I	MAIN	BREA	KER:	MLC	<u> </u>					
	MOUNTING: Surface			PHASE: 3	WII	RE: <u>4</u>	-			,	VOLT.	AGE:	120/20	08	AIC:	EXISTII	NG	-	
CKT	CIRCUIT DESCRIPTION	BR	REAKER	WIRE	GND	COND			KVA	√PH	1		COND	WIRE	GND	BREAK	ER	CIRCUIT DESCRIPTION	CI
		Р	AMP	NO SZ NO SZ	NO SZ		,	A	E	3	(NO SZ NO SZ	NO SZ	AMP	Р		L
1	EXISTING	1	20				0.0	0.0								20	1	EXISTING	2
3	REC SGI 201 - NOTE 1	1	20	1-#12, 1-#12,	1-#12	3/4"			1.3	0.0						20	1	EXISTING	1 4
5	REC SGI 201/202 - NOTE 1	1	20	1-#12, 1-#12,	1-#12	3/4"					0.9	0.0				20	1	EXISTING	1
7	EXISTING	1	20				0.0	0.9					3/4"	1-#12, 1-#12,	1-#12	20	1	REC SGI 204/READING 205 - NOTE 1	1
9	REC SGI 202/203 - NOTE 1	1	20	1-#12, 1-#12,	1-#12	3/4"			1.3	0.0						20	1	EXISTING	1
11	EXISTING	1	20								0.0	0.9	3/4"	1-#12, 1-#12,	1-#12	20	1	REC LEARNING 200 - NOTE 1	1
13	REC SGI 203/204 - NOTE 1	1	20	1-#12, 1-#12,	1-#12	3/4"	1.1	1.1					3/4"	1-#12, 1-#12,	1-#12	20	1	REC SGI 206 - NOTE 1	1
15	EXISTING	1	20						0.0	0.0						20	1	EXISTING	1
17	EXISTING	1	20								0.0	0.0				20	1	EXISTING	1
19	EXISTING	1	20				0.0	0.0								20	1	EXISTING	2
21	EXISTING	1	20						0.0	0.0						20	1	EXISTING	2
23	EXISTING	1	20								0.0	0.0				20	1	EXISTING	2
25	EXISTING	1	20				0.0	0.0								20	1	EXISTING	2
27	EXISTING	1	20						0.0	0.0						20	1	EXISTING	2
29	EXISTING	1	20								0.0	0.0				20	1	EXISTING	3
31	EXISTING	1	20				0.0	0.0								20	1	EXISTING	3:
33	EXISTING	2	20						0.0	0.0						20	1	EXISTING	3.
35	LAIGHING										0.0					20	1	EXISTING	36
	_			TOTA	AL KVA/F AL KVA I	PANEL	3	.1	7.		2.	3	NOTES 1. PRO		CUIT BRI	EAKER,	MA	TCH EXISTING AIC RATING	
				TOTAL	- AMPS I	PANEL			2	2									—

	EX. PANEL: C			JS AMP: <u>225 A</u>			,	AMPS I				MLC						
	MOUNTING: Recessed			PHASE: 3 W	/IRE: <u>4</u>	<u> </u>				VOLT	AGE:	120/20	<u>8</u>	AIC:	EXISTI	NG	-	
CKT	CIRCUIT DESCRIPTION	BR	EAKER	WIRE GND	CON			KVA	VPH			COND	WIRE	GND	BREAK	KER	CIRCUIT DESCRIPTION	CI
JICI	CINOCH BESCHI HON	Р	AMP	NO SZ NO SZ NO SZ			Α	I	3	,	С		NO SZ NO SZ	NO SZ	AMP	Р		J.
	00.00						A		3	(1	00.05	
	SPARE	1	20		+	0.0	0.0	+	0.0						20	1	SPARE	2
	SPARE	1	20		+			0.0	0.0						20	1	SPARE	
	SPARE	1	20		+					0.0	0.0	0/40			20	1	SPARE	- (
	SPARE	1	20		+	-	0.2					3/4"	1-#12, 1-#12,	1-#12	20	1	REC REFRIGERATOR - NOTE 1	
	REC REFRIGERATOR - NOTE 1	1	20	1-#12, 1-#12, 1-#12	3/4'	<u>'</u>		0.2	0.0						20	1	SPARE	1
	SPARE	1	20							0.0	0.0				20	1	SPARE	1
13	SPARE	1	20			0.0	0.0								20	1	SPARE	1
15	SPARE	1	20					0.0	0.0						20	1	SPARE	1
17	SPARE	1	20							0.0	0.0				20	1	SPARE	1
19	SPARE	2	20			0.0	0.0								20	,	SPARE	2
21	OF AILE	_	20	_				0.0	0.0						20	_	SI AILE	2
23	CDADE	2	20							0.0	0.0				20	1	SPARE	2
25	SPARE	2	20	-		0.0	0.0								20	1	SPARE	2
27	REC FACULTY DIN./WORK RM-NOTE 1	1	20	1-#12, 1-#12, 1-#12	3/4'			1.3	0.2			3/4"	1-#12, 1-#12,	1-#12	20	1	REC MICROWAVE - NOTE 1	2
29	REC LAMINATORS - NOTE 1	1	20	1-#12, 1-#12, 1-#12	3/4'					0.5	0.2	3/4"	1-#12, 1-#12,	1-#12	20	1	REC MICROWAVE - NOTE 1	3
				TOTAL KVA	/PHAS	E	0.2	1	.6	0	.7	NOTES		N IIT DD		N 4 A	TOU EVICTING AIG DATING	
				TOTAL KVA	PANE	L		2	.5			1. PRC	VIDE NEW CIRC	OII BK	EAKEK,	IVIA	TCH EXISTING AIC RATING	

	EX. PANEL: <u>E SEC. 2</u>			JS AMP: 225 A	-			A	MPS N			•	MLC						
	MOUNTING: Surface			PHASE: 3	WI	RE: <u>4</u>	-				VOLT	AGE:	120/20	8	AIC:	EXISTI	NG	-	
СКТ	CIRCUIT DESCRIPTION	BR	EAKER	WIRE	GND	COND			KVA	/PH	1		COND	WIRE	GND	BREAK	ŒR	CIRCUIT DESCRIPTION	CK ⁻
		Р	AMP	NO SZ NO SZ	NO SZ		F	A	E	3	(С		NO SZ NO SZ	NO SZ	AMP	Р		L
37	EXISTING	1	20				0.0	0.0								20	1	EXISTING	38
39	EXISTING	1	20						0.0	0.0						20	1	EXISTING	40
41	REC AV/READING 205 - NOTE 1	1	20	1-#12, 1-#12,	1-#12	3/4"					0.5	0.0				20	1	EXISTING	42
43	EXISTING	1	20				0.0	0.0								20	1	EXISTING	44
45	EXISTING	1	20						0.0	0.0				-		20	1	EXISTING	46
47	EXISTING	1	20								0.0	0.0				20	1	EXISTING	48
49	EXISTING	1	20				0.0	0.0								20	,	EXISTING	50
51	EXISTING	1	20						0.0	0.0						20	_	EXISTING	52
53	EXISTING	2	20								0.0	0.0				20	,	EXISTING	54
55	EXISTING		20				0.0	0.0								20		EXISTING	56
					AL KVA/I AL KVA		0.	0	0.		0		NOTES 1. PRO		UIT BR	EAKER,	MA	TCH EXISTING AIC RATING	
					AMPS				1			$\neg \neg$							

	EX. PANEL: P MOUNTING: Surface			JS AMP: 125 A PHASE: 3		RE· 1						•	120/20	<u>4 </u>	ΔΙ	: EXIST	INIC		
	Surface			FIIAGE. <u>3</u>	VVII	NE. <u>4</u>					VOLT	HGE.	120/20	<u>o</u>	AIC	. <u>EXIST</u>	ING	-	
CKT	CIRCUIT DESCRIPTION	BREAKER WIRE		GND	COND			KVA	/PH			COND	WIRE	GND	BREA	KER	CIRCUIT DESCRIPTION	СКТ	
<i>7</i> (()	SINGSTI BESONII TION	Р	AMP	NO SZ NO SZ	NO SZ	COND	A		В		С			NO SZ NO SZ	NO S	AMP	Р		
1	EXISTING	1	20				0.0	0.0								20	1	EXISTING	2
	EXISTING	1	20						0.0	0.0						20	+	EXISTING	4
5	EXISTING	1	20								0.0	0.0				20	1	EXISTING	6
7	EXISTING	1	20				0.0	0.0								20	1	EXISTING	8
9	EXISTING	1	20						0.0	0.0						00	1	EVICTING	10
11	EXISTING	1	20								0.0	0.0				20	2	EXISTING	12
13							0.0	0.0								20	1	EXISTING	14
15	EXISTING	3	20						0.0	0.0						20	_	EXISTING	16
17											0.0	0.0		-		20	1	EXISTING	18
19	EXISTING	1	20				0.0	0.0								20	1	EXISTING	20
21	EXISTING	1	20						0.0	0.0						20	1	EXISTING	22
23	EXISTING	1	20								0.0	0.0				20	1	EXISTING	24
25	EXISTING	1	20				0.0	0.2					3/4"	1-#12, 1-#12	, 1-#12	20	1	REC - PRINTER/COPIER - NOTE 1	26
27	EXISTING	2	20						0.0	0.5			3/4"	1-#12, 1-#12	, 1-#12	20	1	REC FACULTY WORK ROOM - NOTE 1	28
29											0.0	0.0						PREPARED SPACE	30
31	PREPARED SPACE						0.0	0.0									<u> -</u>	PREPARED SPACE	32
33	PREPARED SPACE								0.0	0.0								PREPARED SPACE	34
35	PREPARED SPACE										0.0	0.0						PREPARED SPACE	36
37	PREPARED SPACE						0.0	0.0										PREPARED SPACE	38
39	PREPARED SPACE								0.0	0.0							<u> </u>	PREPARED SPACE	40
41	PREPARED SPACE										0.0							PREPARED SPACE	42
					AL KVA/I AL KVA		0.	.2	0.		0.	0	NOTES 1. PRC		CUIT BI	REAKER	MA	TCH EXISTING AIC RATING	
				TOTAL	AMPS	PANEL			2										



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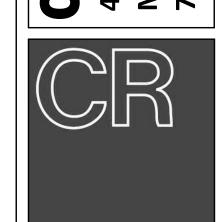
401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

WHITE SULPHUR SPRINGS, WEST VIRGINIA

717-458-0272 S.S. PALMER ELEMENTARY SCHOOL
SECURITY VESTIBULE & RENOVATIONS

298 LAFAYETTE AVENUE
PALMERTON, PA 18071



ELECTRICAL SCHEDULES

3378.1 E5.0 02/09/24

PROJECT

1 FIRST FLOOR PLAN - DEMOLITION - LIGHTING
SCALE: 1/8" = 1'-0"

NOTES BY SYMBOL: #

(THIS DRAWING ONLY)

ALL LIGHTING FIXTURES AND ASSOCIATED CONTROLS AND WIRING TO BE REMOVED, MAITAIN EXISTING EMERGENCY LIGHTING CIRCUIT FOR USE IN NEW WORK PHASE

BARRY ISETT&
associates

MILTIDISCIPLINE ENGINEERS AND CONSULTANTS 610.398.0904 barryisett.com

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REVISIONS 01 MM-DD-YR NAME DESCRIPTION OF CHANGES

FIRST FLOOR PLAN -DEMOLITION - LIGHTING

PROJECT 3378.1 ED1.0

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

---------1 T: # + - + - + **----**1 1 SECOND FLOOR PLAN - DEMOLITION - LIGHTING
SCALE: 1/8" = 1'-0"

BARRY ISETT&
associates

MILTIDISCIPLINE ENGINEERS AND CONSULTANTS

610.398.0904 barryisett.com

NOTES BY SYMBOL: #

1 ALL LIGHTING FIXTURES AND ASSOCIATED CONTROLS AND WIRING TO BE REMOVED, MAITAIN EXISTING NORMAL AND EMERGENCY LIGHTING CIRCUIT FOR USE IN NEW WORK PHASE

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01 MM-DD-YR NAME DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & 401 EAST WINDING HILL ROAD TOWNECHANICSBURG PA 17055

SECOND FLOOR PLAN -DEMOLITION - LIGHTING **PROJECT**

1/8" = 1'-0"

02/09/24

3378.1

NOTES BY SYMBOL: #

(THIS DRAWING ONLY)

DETACH AND REMOVE ALL ELECTRICAL DEVICES AND FIXTURES IN ROOMS BACK TO SOURCE UNLESS INDICATED OTHERWISE. EXCLUDING ANY DEVICES ATTACHED TO EXTERIOR WALLS. ANY DEVICES ON EXTERIOR WALLS DETACH EXISTING DEVICE AND REPLACE IN KIND.

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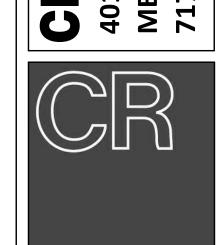
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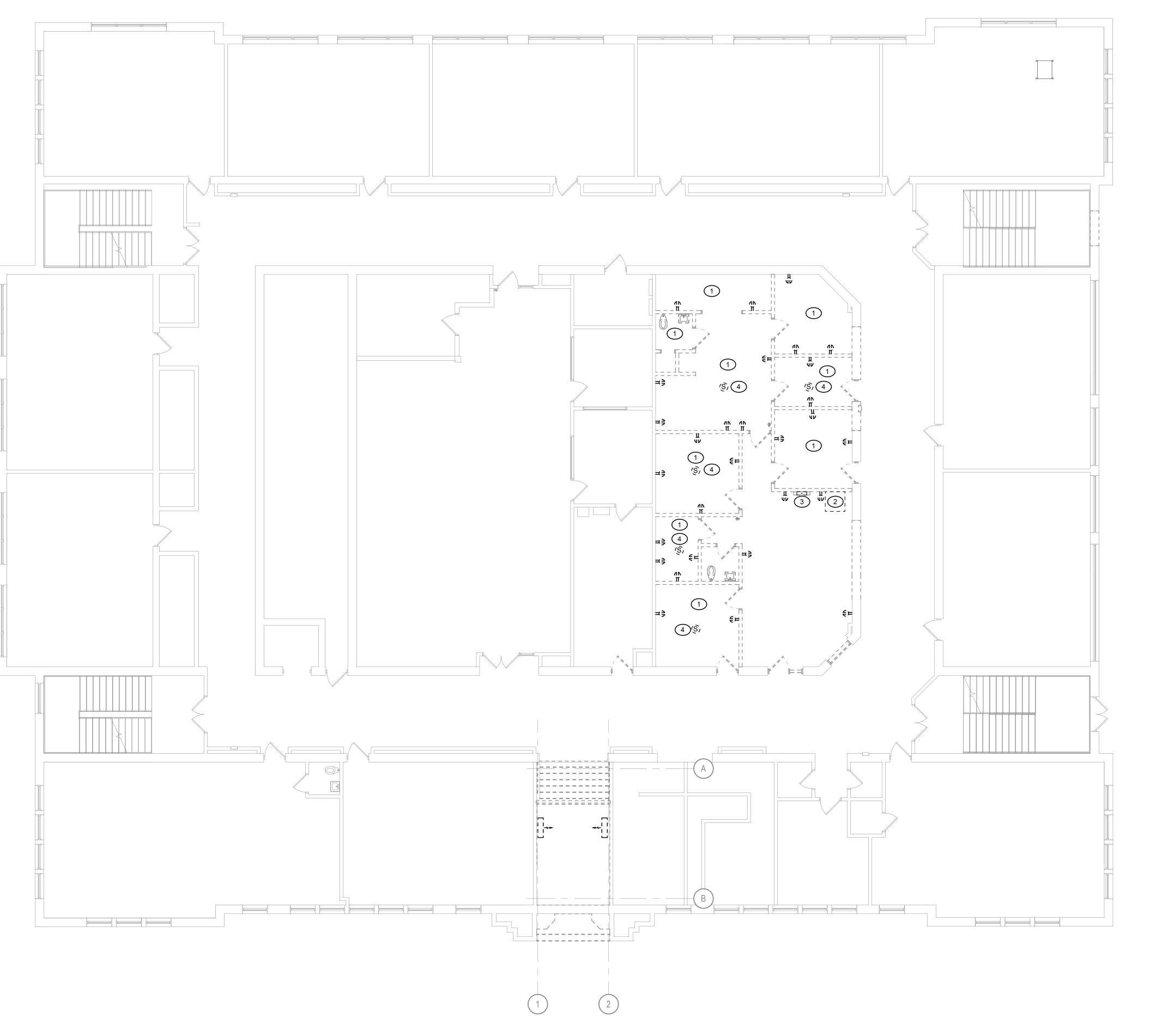
CRABTREE ROHRBAUG
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272 S



FIRST FLOOR PLAN -DEMOLITION - POWER

PROJECT 3378.1

PLOT SCALE: 1/8" = 1'-0" FILENAME: 02/09/24



NOTES BY SYMBOL: #

(THIS DRAWING ONLY)

DETACH AND REMOVE ALL ELECTRICAL DEVICES AND FIXTURES IN ROOMS BACK TO SOURCE UNLESS INDICATED OTHERWISE.

2 EXISTING PA SYSTEM TO BE MAINTAINED DURING DEMOLITION, CAP ASSOCIATED WIRING IN CEILING TO USE FOR NEW LOCATION IN NEW WORK PHASE.

3 EXISTING FIRE ALARM CONTROL PANEL TO BE RELOCATED, DETACH AND CAP ASSOCIATED WIRING FOR NEW LOCATION IN NEW WORK PHASE.

DETACH AND REMOVE SPEAKER FROM CEILING, MAINTAIN WIRING FOR SPEAKER FOR USE IN NEW WORK PHASE.

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ISETT&
associates

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01 MM-DD-YR NAME DESCRIPTION OF CHANGES

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401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

SECOND FLOOR PLAN -DEMOLITION - POWER

PROJECT 3378.1

1/8" = 1'-0" 02/09/24

SECOND FLOOR PLAN - DEMOLITION - POWER

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