

UNIT A FIRST FLOOR POWER AND AUXILIARY PLAN

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF

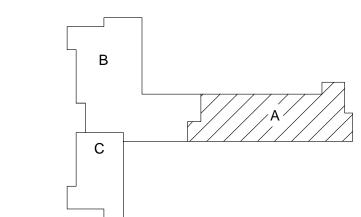
ELECTRICAL GENERAL NOTES:

- SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
- 2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- 3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL
- 5. TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 6. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 7. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
- 8. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
- 9. REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- 10. REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- 11. ALL FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. PROVIDE NECESSARY COMPONENTS, MODULES, ETC. AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. RE-TEST AND CERTIFY EXISTING FIRE ALARM SYSTEM AT COMPLETION OF PROJECT.
- 12. WHERE LIGHTING IS BEING REMOVED AND REPLACED/REINSTALLED AND EXISTING CIRCUITING IS TO BE REUSED. ADD GROUND WIRE AS REQUIRED PER NEC.

(#) CONSTRUCTION KEY NOTES:

- PROVIDE 120V CIRCUITING IN CEILING SPACE FOR DOOR SECURITY AND CONTROLS. REFER TO ARCHITECTURAL FLOOR PLANS, DOOR HARDWARE SCHEDULE ON ARCHITECTURAL DRAWINGS, ACCESS CONTROL SYSTEM SPECIFICATION SECTION AND ACCESS CONTROL DIAGRAM(S) ON E7 SERIES FOR RACEWAYS AND BACK BOXES REQUIRED FOR DOOR OR BANK OF DOORS INDICATED. PROVIDE ALL REQUIRED RACEWAYS AND BACK BOXES. COORDINATE WITH DOOR HARDWARE CONTRACTOR. PROVIDE 1" CONDUIT FROM ARCHITECTURAL CASEWORK DOOR RELEASE BUTTON TO ACCESSIBLE CEILING SPACE ABOVE DOORS FOR SECURITY DOOR RELEASE.
- FUTURE CARD ACCESS LOCATION. PROVIDE RECESSED SINGLE GANG JUNCTION BOX WITH BLANK STAINLESS STEEL FACE PLATE. STUB 1"C. UP INTO ACCESSIBLE CORRIDOR CEILING SPACE, PROVIDE NYLON PULL STRING WITH PLASTIC BUSHING ON END OF CONDUIT.
- 3. NEW PANELBOARD, LOCATE WHERE EXISTING PANELBOARD WAS REMOVED. REPAIR PATCH AND PAINT WALL AS REQUIRED. CIRCUIT TO MAINTAINED FEEDER AND BRANCH CIRCUITS. CIRCUIT TRACE AND PROVIDE NEW PANELBOARD DIRECTORIES.
- 4. NEW ELECTRIC HAND DRYER, BY OTHERS INSTALLED BY ELECTRICAL CONTRACTOR.
- CIRCUIT NEW MECHANICAL EQUIPMENT TO MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 6. PUSH PAD FOR AUTOMATIC DOORS. ALL DOOR AND PUSH PAD HARDWARE IS PROVIDED BY DOOR CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL PUSH PADS AND PROVIDE CONDUIT AND WIRE FOR COMPLETE OPERATION. COORDINATE WITH DOOR CONTRACTOR. PUSH PAD BACK BOX IS 2-GANG. NO EXTERIOR SURFACE MOUNT CONDUIT IS ACCEPTABLE.

KEY PLAN

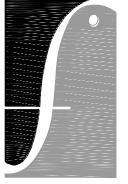


ISSUE DATE	ISSUED FOR
01/27/20	CONSTRUCTION
04/10/20	CCD # 07-01
DRAWN	ZDB
CHECKED	GJZ
APPROVED	GJZ



5145 Livernois, Suite 100 Troy, Michigan 48098-3276 Tel: 248-879-5666 Fax: 248-879-0007 www.PeterBassoAssociates.com PBA Project No.: 2019-0125

architects planners interiors



FRENCH

associates 236 Mill Street Rochester, MI T 248.656.1377 F 248.656.7746 © FRENCH ASSOCIATES, INC.

PROJECT GROSSE POINTE PUBLIC SCHOOLS MONTEITH ES RENOVATION

GROSSE POINTE WOODS, MICHIGAN

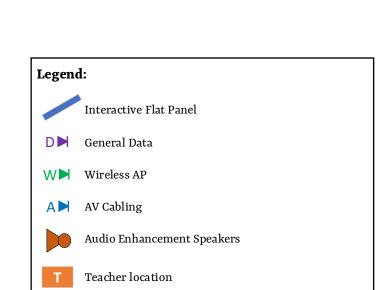
SHEET

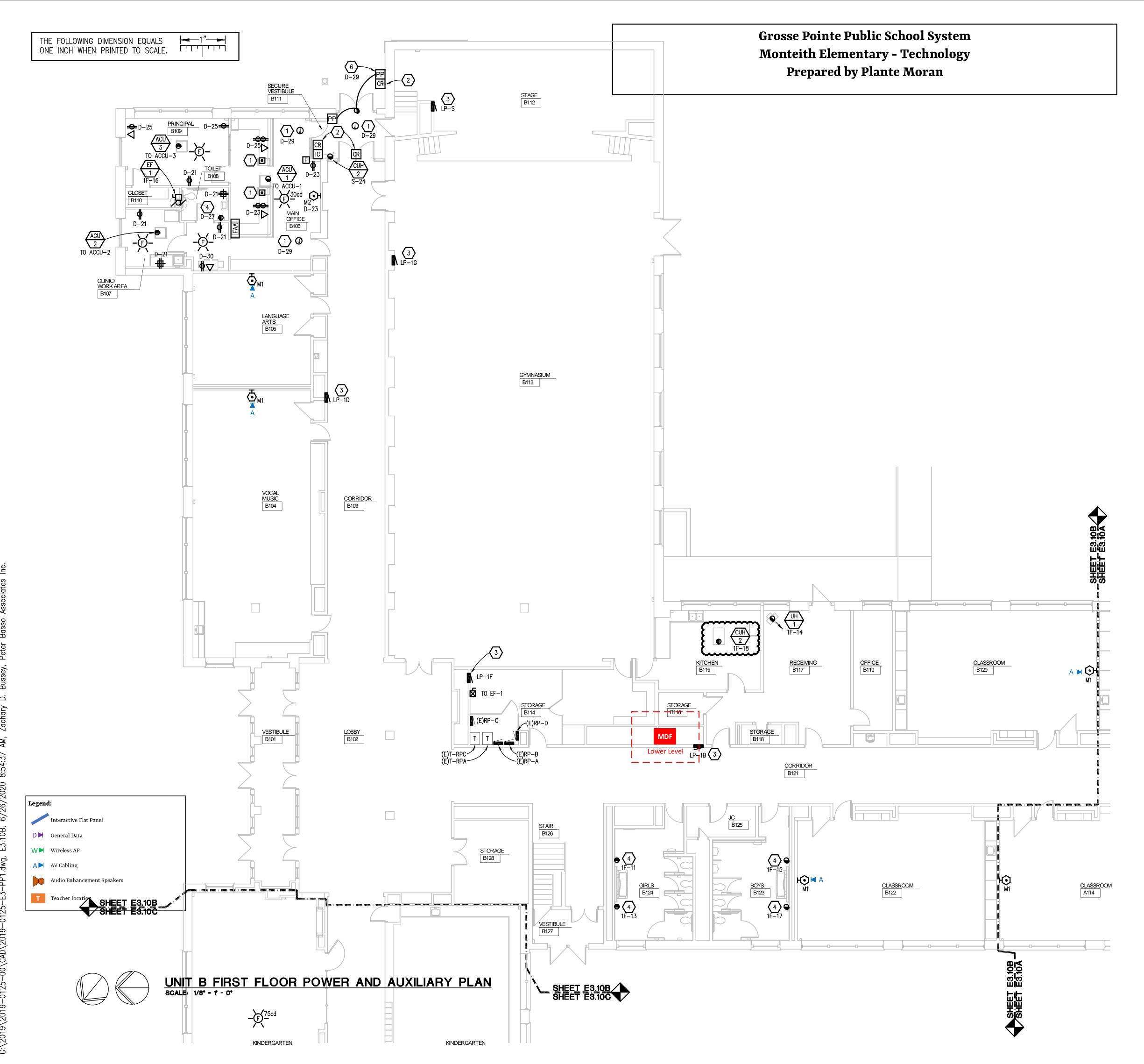
UNIT A FIRST FLOOR POWER AND AUXILIARY PLAN

PROJECT NUMBER

2019 - 027

SHEET NUMBER





ELECTRICAL GENERAL NOTES:

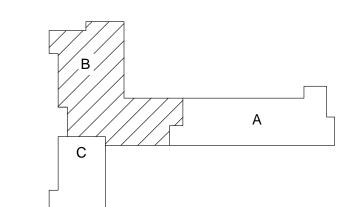
- 1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
- 2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- 3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL
- 5. TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 6. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 7. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
- 8. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
- 9. REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- 10. REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- 11. ALL FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. PROVIDE NECESSARY COMPONENTS, MODULES, ETC. AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. RE—TEST AND CERTIFY EXISTING FIRE ALARM SYSTEM AT COMPLETION OF PROJECT.
- 12. WHERE LIGHTING IS BEING REMOVED AND REPLACED/REINSTALLED AND EXISTING CIRCUITING IS TO BE REUSED. ADD GROUND WIRE AS REQUIRED PER NEC.

EXAMPLE 2 CONSTRUCTION KEY NOTES:

- 1. PROVIDE 120V CIRCUITING IN CEILING SPACE FOR DOOR SECURITY AND CONTROLS. REFER TO ARCHITECTURAL FLOOR PLANS, DOOR HARDWARE SCHEDULE ON ARCHITECTURAL DRAWINGS, ACCESS CONTROL SYSTEM SPECIFICATION SECTION AND ACCESS CONTROL DIAGRAM(S) ON E7 SERIES FOR RACEWAYS AND BACK BOXES REQUIRED FOR DOOR OR BANK OF DOORS INDICATED. PROVIDE ALL REQUIRED RACEWAYS AND BACK BOXES. COORDINATE WITH DOOR HARDWARE CONTRACTOR. PROVIDE 1" CONDUIT FROM ARCHITECTURAL CASEWORK DOOR RELEASE BUTTON TO ACCESSIBLE CEILING SPACE ABOVE DOORS FOR SECURITY DOOR RELEASE.
- 2. FUTURE CARD ACCESS LOCATION. PROVIDE RECESSED SINGLE GANG JUNCTION BOX WITH BLANK STAINLESS STEEL FACE PLATE. STUB 1"C. UP INTO ACCESSIBLE CORRIDOR CEILING SPACE, PROVIDE NYLON PULL STRING WITH PLASTIC BUSHING ON END OF CONDUIT.
- 3. NEW PANELBOARD. LOCATE WHERE EXISTING PANELBOARD WAS REMOVED. REPAIR PATCH AND PAINT WALL AS REQUIRED. CIRCUIT TO MAINTAINED FEEDER AND
- BRANCH CIRCUITS. CIRCUIT TRACE AND PROVIDE NEW PANELBOARD DIRECTORIES.

 4. NEW ELECTRIC HAND DRYER, BY OTHERS INSTALLED BY ELECTRICAL CONTRACTOR.
- 5. CIRCUIT NEW MECHANICAL EQUIPMENT TO MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 6. PUSH PAD FOR AUTOMATIC DOORS. ALL DOOR AND PUSH PAD HARDWARE IS PROVIDED BY DOOR CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL PUSH PADS AND PROVIDE CONDUIT AND WIRE FOR COMPLETE OPERATION. COORDINATE WITH DOOR CONTRACTOR. PUSH PAD BACK BOX IS 2—GANG. NO EXTERIOR SURFACE MOUNT CONDUIT IS ACCEPTABLE.
- BOILER TRANSFORMER, PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE ALL REQUIRED CONDUIT AND WIRE FOR PRIMARY AND SECONDARY SIDE OF TRANSFORMER FOR CONNECTION TO BOILER. TRANSFORMER SHOWN FOR REFERENCE ONLY; FINAL LOCATION TO BE DETERMINED IN FIELD.

KEY PLAN



ISSUED FOR
CONSTRUCTION
CCD No. 07-01
CCD No. 07-05
ZDB



GJZ

GJZ

architects planners interiors

5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2019-0125



CHECKED

APPROVED

NCH

236 Mill Street Rochester, MI 48307 T 248.656.1377 F 248.656.7746 © FRENCH ASSOCIATES, INC.

GROSSE POINTE
PUBLIC SCHOOLS
MONTEITH ES

RENOVATION

GROSSE POINTE WOODS, MICHIGAN

SHEET

UNIT B FIRST FLOOR
POWER AND
AUXILIARY PLAN

PROJECT NUMBER

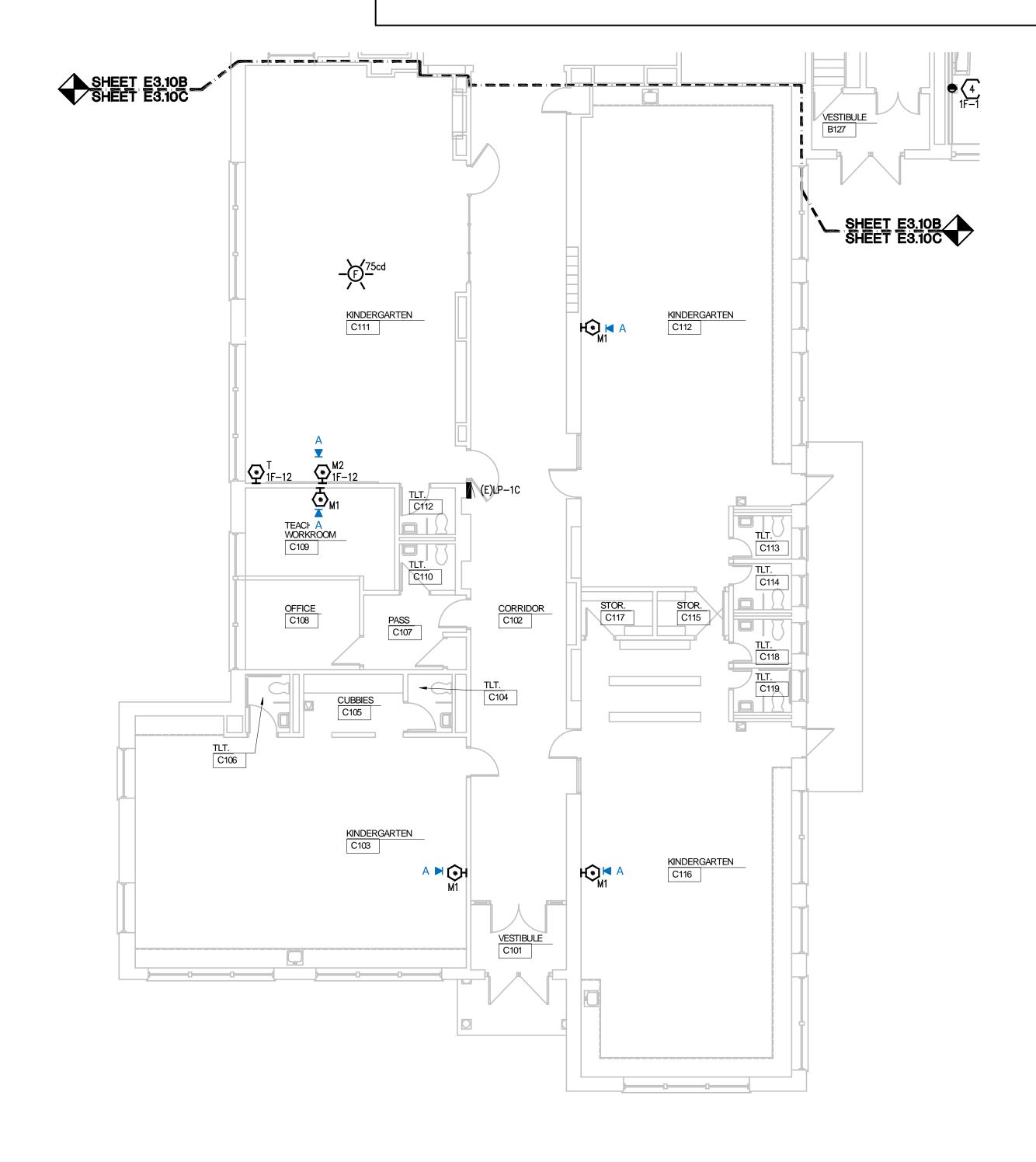
2019-027

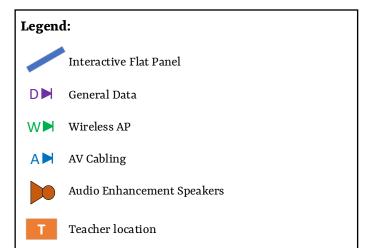
SHEET NUMBER

E3.10B

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.

Grosse Pointe Public School System Monteith Elementary - Technology Prepared by Plante Moran





UNIT C FIRST FLOOR POWER AND AUXILIARY PLAN

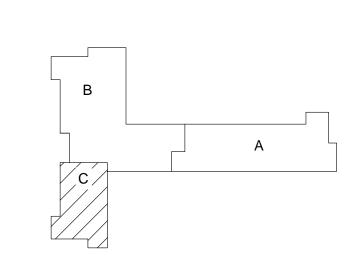
ELECTRICAL GENERAL NOTES:

- 1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
- 2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- 3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL
- 5. TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 6. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 7. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
- 8. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
- 9. REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- 10. REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- 11. ALL FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. PROVIDE NECESSARY COMPONENTS, MODULES, ETC. AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. RE—TEST AND CERTIFY EXISTING FIRE ALARM SYSTEM AT COMPLETION OF PROJECT.
- 12. WHERE LIGHTING IS BEING REMOVED AND REPLACED/REINSTALLED AND EXISTING CIRCUITING IS TO BE REUSED. ADD GROUND WIRE AS REQUIRED PER NEC.

EXAMPLE 2 CONSTRUCTION KEY NOTES:

- 1. PROVIDE 120V CIRCUITING IN CEILING SPACE FOR DOOR SECURITY AND CONTROLS. REFER TO ARCHITECTURAL FLOOR PLANS, DOOR HARDWARE SCHEDULE ON ARCHITECTURAL DRAWINGS, ACCESS CONTROL SYSTEM SPECIFICATION SECTION AND ACCESS CONTROL DIAGRAM(S) ON E7 SERIES FOR RACEWAYS AND BACK BOXES REQUIRED FOR DOOR OR BÀNK OF DOORS INDICATED. PROVIDE ALL REQUIRED RACEWAYS AND BACK BOXES. COORDINATE WITH DOOR HARDWARE CONTRACTOR. PROVIDE 1" CONDUIT FROM ARCHITECTURAL CASEWORK DOOR RELEASE BUTTON TO ACCESSIBLE CEILING SPACE ABOVE DOORS FOR SECURITY DOOR RELEASE.
- 2. FUTURE CARD ACCESS LOCATION. PROVIDE RECESSED SINGLE GANG JUNCTION BOX WITH BLANK STAINLESS STEEL FACE PLATE. STUB 1"C. UP INTO ACCESSIBLE CORRIDOR CEILING SPACE, PROVIDE NYLON PULL STRING WITH PLASTIC BUSHING ON END OF CONDUIT.
- 3. NEW PANELBOARD, LOCATE WHERE EXISTING PANELBOARD WAS REMOVED, REPAIR PATCH AND PAINT WALL AS REQUIRED. CIRCUIT TO MAINTAINED FEEDER AND BRANCH CIRCUITS. CIRCUIT TRACE AND PROVIDE NEW PANELBOARD DIRECTORIES.
- 4. NEW ELECTRIC HAND DRYER, BY OTHERS INSTALLED BY ELECTRICAL CONTRACTOR.
- 5. CIRCUIT NEW MECHANICAL EQUIPMENT TO MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 6. PUSH PAD FOR AUTOMATIC DOORS. ALL DOOR AND PUSH PAD HARDWARE IS PROVIDED BY DOOR CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL PUSH PADS AND PROVIDE CONDUIT AND WIRE FOR COMPLETE OPERATION. COORDINATE WITH DOOR CONTRACTOR. PUSH PAD BACK BOX IS 2-GANG. NO EXTERIOR SURFACE MOUNT CONDUIT IS ACCEPTABLE.

KEY PLAN



ISSUE DATE	ISSUED FOR
01/27/20	CONSTRUCTION
	,
	•
DRAWN	ZDB
CHECKED	GJZ
APPROVED	GJZ



5145 Livernois, Suite 100 Troy, Michigan 48098-3276 Tel: 248-879-5666 Fax: 248-879-0007 www.PeterBassoAssociates.com PBA Project No.: 2019-0125



associates

236 Mill Street Rochester, MI T 248.656.1377 © FRENCH ASSOCIATES, INC.

PROJECT

GROSSE POINTE PUBLIC SCHOOLS MONTEITH ES RENOVATION

GROSSE POINTE WOODS, MICHIGAN

SHEET

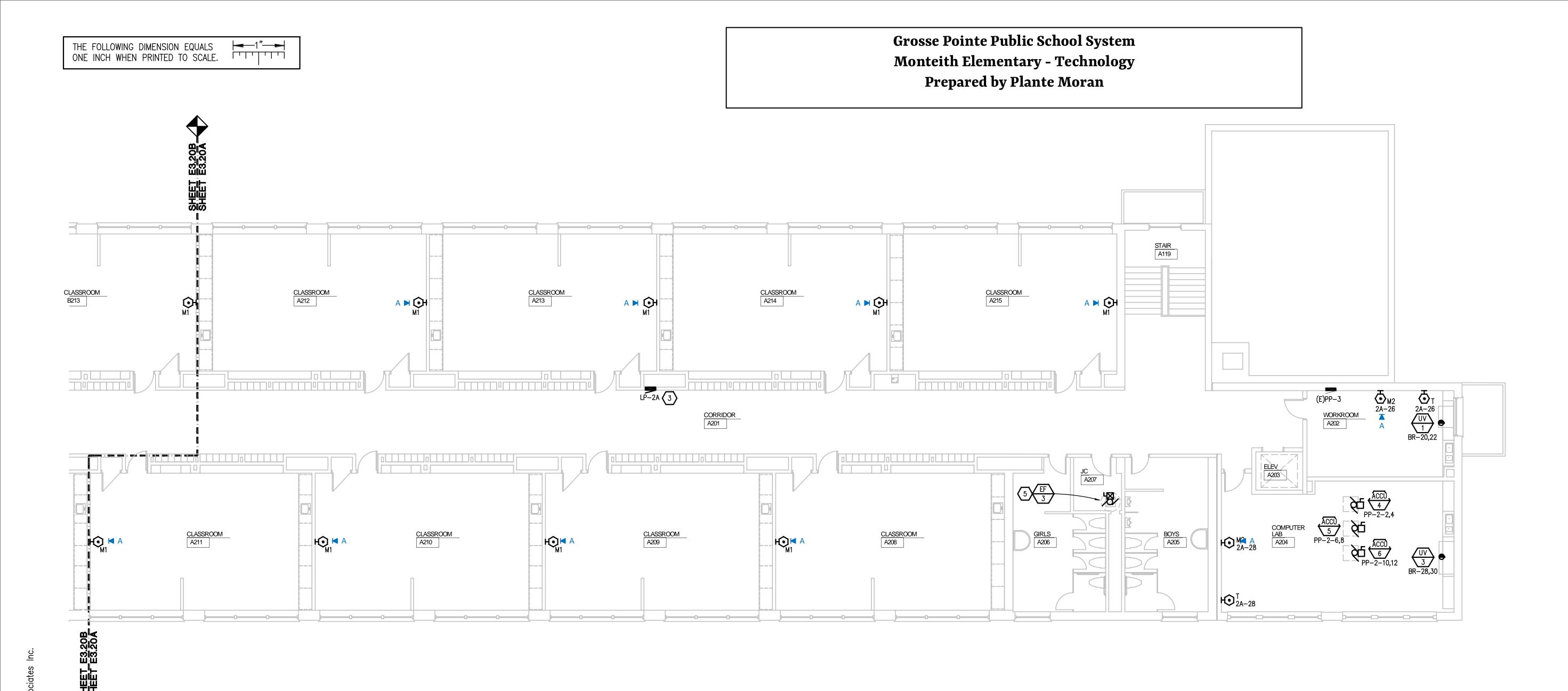
UNIT C FIRST FLOOR POWER AND AUXILIARY PLAN

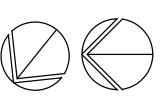
PROJECT NUMBER

2019 - 027

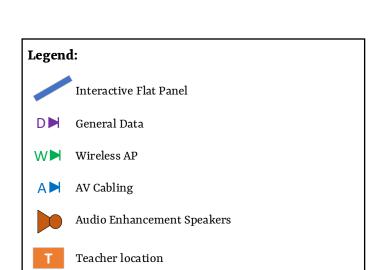
SHEET NUMBER

E3.10C





UNIT A SECOND FLOOR POWER AND AUXILIARY PLAN



ELECTRICAL GENERAL NOTES:

- 1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
- 2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- 3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.

TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH

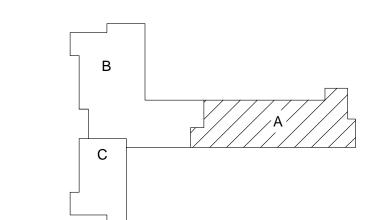
TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD

- SCHEDULES DRAWING" UNLESS OTHERWISE NOTED. 6. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING"
- UNLESS OTHERWISE NOTED. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS
- AND THE TRADES INSTALLING THE WORK. 8. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR
- MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
- 9. REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- 10. REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- 11. ALL FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. PROVIDE NECESSARY COMPONENTS, MODULES, ETC. AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. RE—TEST AND CERTIFY EXISTING FIRE ALARM SYSTEM AT COMPLETION OF PROJECT.
- 12. WHERE LIGHTING IS BEING REMOVED AND REPLACED/REINSTALLED AND EXISTING CIRCUITING IS TO BE REUSED. ADD GROUND WIRE AS REQUIRED PER NEC.

CONSTRUCTION KEY NOTES:

- PROVIDE 120V CIRCUITING IN CEILING SPACE FOR DOOR SECURITY AND CONTROLS. REFER TO ARCHITECTURAL FLOOR PLANS, DOOR HARDWARE SCHEDULE ON ARCHITECTURAL DRAWINGS, ACCESS CONTROL SYSTEM SPECIFICATION SECTION AND ACCESS CONTROL DIAGRAM(S) ON E7 SERIES FOR RACEWAYS AND BACK BOXES REQUIRED FOR DOOR OR BANK OF DOORS INDICATED. PROVIDE ALL REQUIRED RACEWAYS AND BACK BOXES. COORDINATE WITH DOOR HARDWARE CONTRACTOR. PROVIDE 1" CONDUIT FROM ARCHITECTURAL CASEWORK DOOR RELEASE BUTTON TO ACCESSIBLE CEILING SPACE ABOVE DOORS FOR SECURITY DOOR RELEASE.
- 2. FUTURE CARD ACCESS LOCATION. PROVIDE RECESSED SINGLE GANG JUNCTION BOX WITH BLANK STAINLESS STEEL FACE PLATE. STUB 1"C. UP INTO ACCESSIBLE CORRIDOR CEILING SPACE, PROVIDE NYLON PULL STRING WITH PLASTIC BUSHING ON
- 3. NEW PANELBOARD. LOCATE WHERE EXISTING PANELBOARD WAS REMOVED. REPAIR PATCH AND PAINT WALL AS REQUIRED. CIRCUIT TO MAINTAINED FEEDER AND BRANCH CIRCUITS. CIRCUIT TRACE AND PROVIDE NEW PANELBOARD DIRECTORIES.
- 4. NEW ELECTRIC HAND DRYER, BY OTHERS INSTALLED BY ELECTRICAL CONTRACTOR.
- 5. CIRCUIT NEW MECHANICAL EQUIPMENT TO MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 6. PUSH PAD FOR AUTOMATIC DOORS. ALL DOOR AND PUSH PAD HARDWARE IS PROVIDED BY DOOR CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL PUSH PADS AND PROVIDE CONDUIT AND WIRE FOR COMPLETE OPERATION. COORDINATE WITH DOOR CONTRACTOR. PUSH PAD BACK BOX IS 2-GANG. NO EXTERIOR SURFACE MOUNT CONDUIT IS ACCEPTABLE.

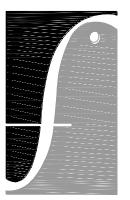
KEY PLAN



ISSUE DATE	ISSUED FOR
01/27/20	CONSTRUCTION
	,
DRAWN	ZDB
CHECKED	GJZ
APPROVED	GJZ



PBA Project No.: 2019-0125



architects planners interiors

FRENCH associates

236 Mill Street Rochester, MI T 248.656.1377 F 248.656.7746 © FRENCH ASSOCIATES, INC.

PROJECT

GROSSE POINTE PUBLIC SCHOOLS MONTEITH ES RENOVATION

GROSSE POINTE WOODS, MICHIGAN

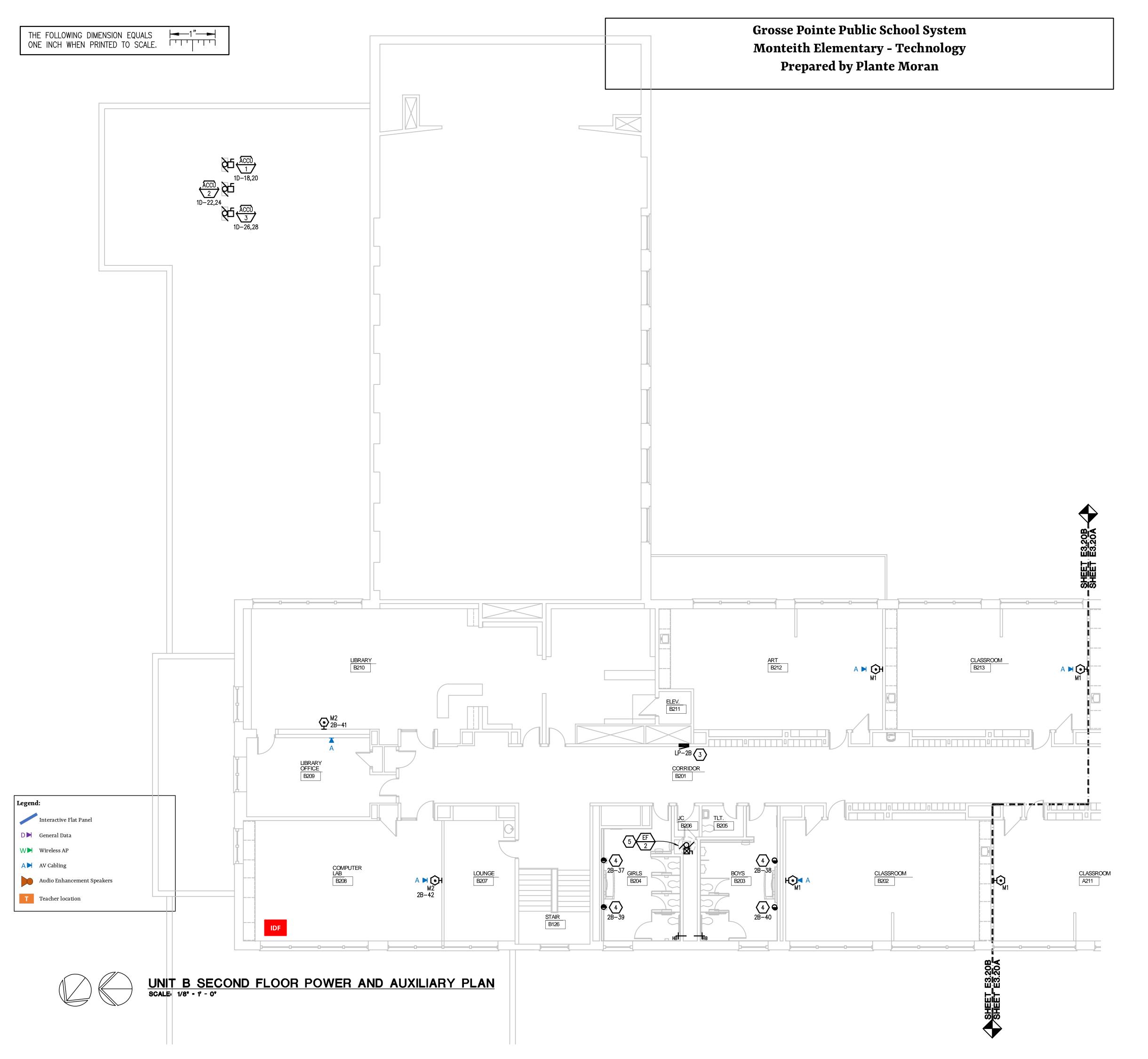
SHEET

UNIT A SECOND FLOOR POWER AND AUXILIARY PLAN

PROJECT NUMBER

2019 - 027

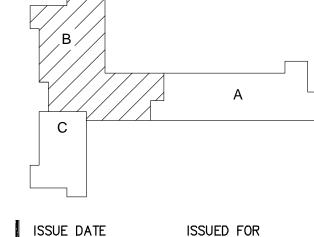
SHEET NUMBER



ELECTRICAL GENERAL NOTES

- 1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
- 2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- 3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL
- 5. TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 6. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 7. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
- 8. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
- 9. REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- 10. REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- 11. ALL FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. PROVIDE NECESSARY COMPONENTS, MODULES, ETC. AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. RE-TEST AND CERTIFY EXISTING FIRE ALARM SYSTEM AT COMPLETION OF PROJECT.
- 12. WHERE LIGHTING IS BEING REMOVED AND REPLACED/REINSTALLED AND EXISTING CIRCUITING IS TO BE REUSED. ADD GROUND WIRE AS REQUIRED PER NEC.

KEY PLAN



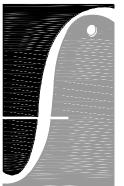
01/27/20	CONSTRUCTION	
		-
		_
		•
		_
		_
		_
		_
DRAWN	ZDB	
CHECKED	GJZ	
APPROVED	GJZ	



5145 Livernois, Suite 100 Troy, Michigan 48098-3276 Tel: 248-879-5666 Fax: 248-879-0007 www.PeterBassoAssociates.com PBA Project No.: 2019-0125

***** CONSTRUCTION KEY NOTES:

- 1. PROVIDE 120V CIRCUITING IN CEILING SPACE FOR DOOR SECURITY AND CONTROLS. REFER TO ARCHITECTURAL FLOOR PLANS, DOOR HARDWARE SCHEDULE ON ARCHITECTURAL DRAWINGS, ACCESS CONTROL SYSTEM SPECIFICATION SECTION AND ACCESS CONTROL DIAGRAM(S) ON E7 SERIES FOR RACEWAYS AND BACK BOXES REQUIRED FOR DOOR OR BANK OF DOORS INDICATED, PROVIDE ALL REQUIRED RACEWAYS AND BACK BOXES. COORDINATE WITH DOOR HARDWARE CONTRACTOR. PROVIDE 1" CONDUIT FROM ARCHITECTURAL CASEWORK DOOR RELEASE BUTTON TO ACCESSIBLE CEILING SPACE ABOVE DOORS FOR SECURITY DOOR RELEASE.
- 2. FUTURE CARD ACCESS LOCATION. PROVIDE RECESSED SINGLE GANG JUNCTION BOX WITH BLANK STAINLESS STEEL FACE PLATE. STUB 1"C. UP INTO ACCESSIBLE CORRIDOR CEILING SPACE, PROVIDE NYLON PULL STRING WITH PLASTIC BUSHING ON END OF CONDUIT.
- 3. NEW PANELBOARD. LOCATE WHERE EXISTING PANELBOARD WAS REMOVED. REPAIR PATCH AND PAINT WALL AS REQUIRED. CIRCUIT TO MAINTAINED FEEDER AND BRANCH CIRCUITS. CIRCUIT TRACE AND PROVIDE NEW PANELBOARD DIRECTORIES.
- 4. NEW ELECTRIC HAND DRYER, BY OTHERS INSTALLED BY ELECTRICAL CONTRACTOR.
- 5. CIRCUIT NEW MECHANICAL EQUIPMENT TO MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 6. PUSH PAD FOR AUTOMATIC DOORS. ALL DOOR AND PUSH PAD HARDWARE IS PROVIDED BY DOOR CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL PUSH PADS AND PROVIDE CONDUIT AND WIRE FOR COMPLETE OPERATION. COORDINATE WITH DOOR CONTRACTOR. PUSH PAD BACK BOX IS 2-GANG. NO EXTERIOR SURFACE MOUNT CONDUIT IS ACCEPTABLE.



architects planners interiors

FRENCH associates

236 Mill Street Rochester, MI T 248.656.1377 F 248.656.7746

© FRENCH ASSOCIATES, INC.

PROJECT

GROSSE POINTE PUBLIC SCHOOLS MONTEITH ES RENOVATION

GROSSE POINTE WOODS, MICHIGAN

SHEET

UNIT B SECOND FLOOR POWER AND AUXILIARY PLAN

2019 - 027

SHEET NUMBER

E3.20B

PROJECT NUMBER