

\2019\2019-0130-00\CAD\2019-0130-E3-PPO.dwg, E3.00B, 2/4/2020 3:57:29 PM, Nadeen F. Hamid, Peter Basso Associate

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. COORDINATE EXACT LOCATIONS OF ALL FLOOR SERVICE FITTINGS AND POKE-THROUGH ASSEMBLIES WITH FINAL FURNITURE LAYOUT DRAWINGS.
- 9. 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.
- 10. REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- 11. REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- 12. ALL FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH EXISTING XXXXX 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.
- 13. WHERE LIGHTING IS BEING REMOVED AND REPLACED AND EXISTING CIRCUITING REMAINS FOR REUSE. PROVIDE GROUND WIRE PER N.E.C. AS REQUIRED.
- 14. CIRCUIT NEW EXIT SIGNS TO ADJACENT EMERGENCY LIGHTING CIRCUIT.

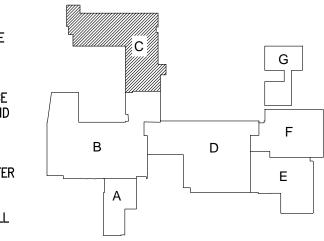
(#) CONSTRUCTION KEY NOTES:

- 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. PROVIDE 1"C. FROM ARCHITECTURAL CASEWORK DOOR RELEASE TO ACCESSIBLE CEILING SPACE FOR DOOR RELEASE. COORDINATE LOCATION OF DOOR PUSH BUTTON RELEASE WITH OWNER PRIOR TO ROUGH IN.
- 2. FUTURE CARD ACCESS LOCATION. PROVIDE SINGLE GANG JUNCTION BOX WITH BLANK STAINLESS STEEL FACE PLATE. STUB 1"C. UP INTO ACCESSIBLE CEILING. PROVIDE NYLON PULL STRING WITH PLASTIC BUSHING ON END OF CONDUIT.
- 3. STUB CONDUIT THROUGH WALL INTO WIREMOLD ON INTERIOR WALL TO ACCESSIBLE CEILING SPACE. NO EXTERIOR SURFACE MOUNT CONDUIT IS ACCEPTABLE.
- 4. NEW PANELBOARD. CIRCUIT TO MAINTAINED FEEDER AND BRANCH CIRCUITS. CIRCUIT TRACE AND PROVIDE NEW PANELBOARD DIRECTORIES.
- 5. PROVIDE 120V 30A CIRCUIT FOR AMPLIFIER RACK. PROVIDE NEW CONDUIT FOR

EXTEND CONDUIT AND WIRE AS REQUIRED.

- 6. CIRCUIT TO BRANCH CIRCUIT PREVIOUSLY SERVING PROJECTOR/MONITOR IN SPACE.
- 7. NEW ELECTRIC HAND DRYER, BY ARCHITECTURAL TRADES, INSTALLED BY ELECTRICAL PROJECT
- 8. CIRCUIT TEACHER WORKSTATION TO ADJACENT 120V BRANCH CIRCUIT SERVING NEW
- 9. NEW CEILING FAN. PROVIDE KITCHLER MODEL 330025WH AND NEW COMPATIBLE CONTROLLER. LOCATE NEW CONTROL WHERE EXISTING WAS REMOVED. CIRCUIT TO
- MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED. 10. NEW CEILING FAN. PROVIDE KITCHLER MODEL 330025WH AND NEW COMPATIBLE CONTROLLER. CIRCUIT TO NEAREST AVAILABLE 120V SOURCE.

KEY PLAN



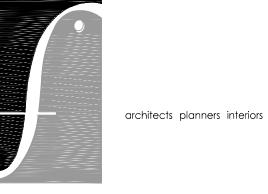
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APPROVED

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

Peter Basso Associates Inc

CONSULTING ENGINEERS



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FRENCH associates

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GROSSE POINTE PUBLIC SCHOOLS PARCELLS MS RENOVATION

GROSSE POINTE WOODS, MICHIGAN

UNIT C BASEMENT FLOOR POWER PLAN

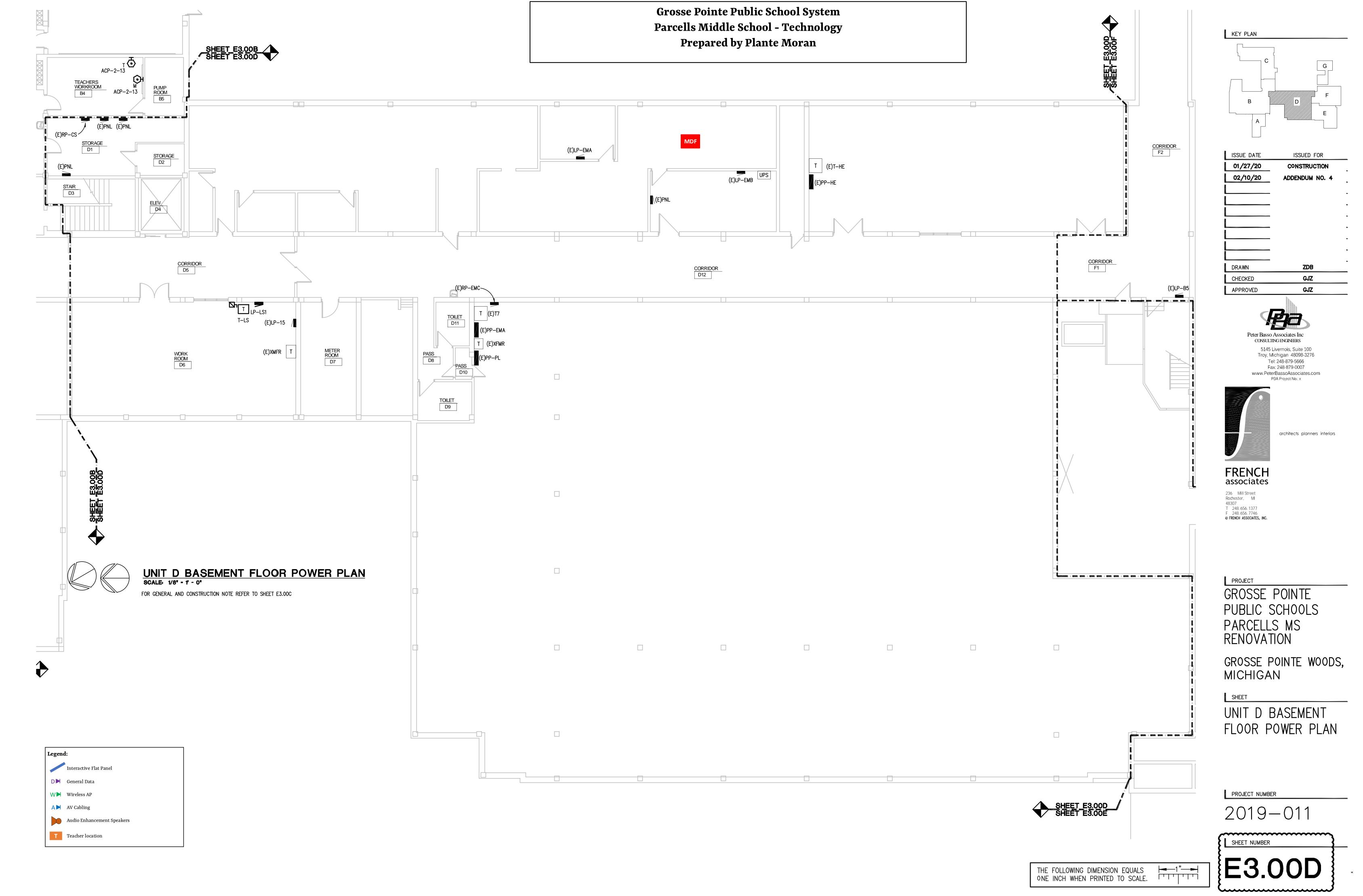
PROJECT NUMBER

2019 - 011

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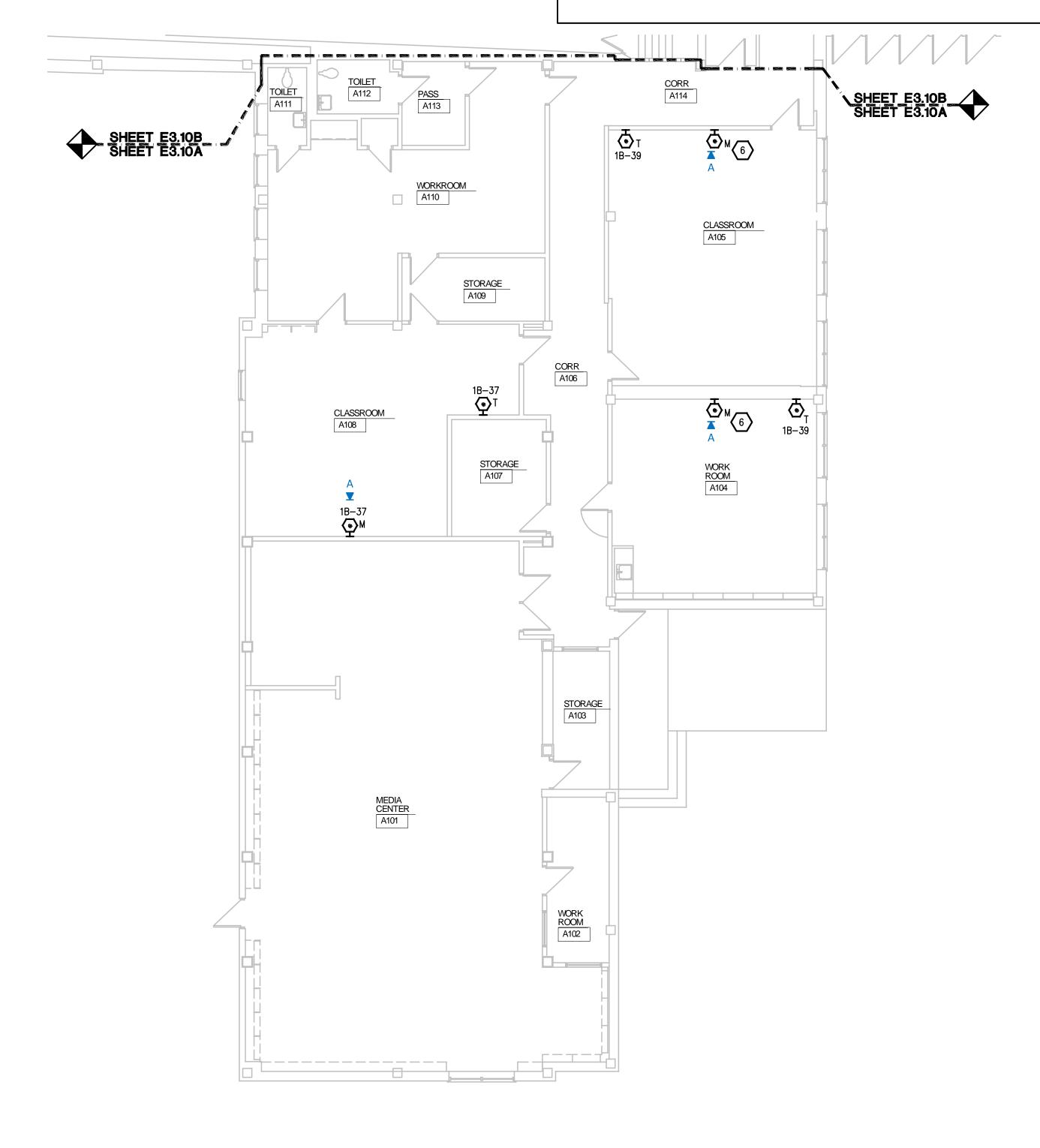
E3.00C

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.

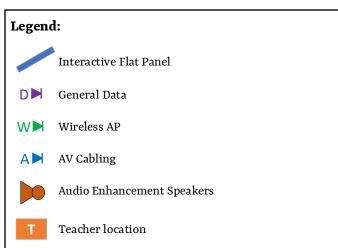


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Grosse Pointe Public School System Parcells Middle School - Technology **Prepared by Plante Moran**







ELECTRICAL GENERAL NOTES:

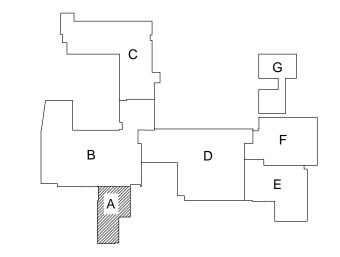
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- 4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL
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- 10. REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- 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.
- REMAINS FOR REUSE. PROVIDE GROUND WIRE PER N.E.C. AS REQUIRED.
- 14. CIRCUIT NEW EXIT SIGNS TO ADJACENT EMERGENCY LIGHTING CIRCUIT.

EXAMPLE 2 CONSTRUCTION KEY NOTES:

- STAINLESS STEEL FACE PLATE. STUB 1"C. UP INTO ACCESSIBLE CEILING. PROVIDE
- 3. STUB CONDUIT THROUGH WALL INTO WIREMOLD ON INTERIOR WALL TO ACCESSIBLE CEILING SPACE. NO EXTERIOR SURFACE MOUNT CONDUIT IS ACCEPTABLE.
- 4. NEW PANELBOARD. CIRCUIT TO MAINTAINED FEEDER AND BRANCH CIRCUITS. CIRCUIT
- 5. PROVIDE 120V 30A CIRCUIT FOR AMPLIFIER RACK. PROVIDE NEW CONDUIT FOR
- 6. CIRCUIT TO BRANCH CIRCUIT PREVIOUSLY SERVING PROJECTOR/MONITOR IN SPACE.
- 7. NEW ELECTRIC HAND DRYER, BY ARCHITECTURAL TRADES, INSTALLED BY ELECTRICAL
- 8. CIRCUIT TEACHER WORKSTATION TO ADJACENT 120V BRANCH CIRCUIT SERVING NEW
- CONTROLLER. LOCATE NEW CONTROL WHERE EXISTING WAS REMOVED. CIRCUIT TO MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 10. NEW CEILING FAN. PROVIDE KITCHLER MODEL 330025WH AND NEW COMPATIBLE CONTROLLER. CIRCUIT TO NEAREST AVAILABLE 120V SOURCE.

- 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
- SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 6. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT
- 7. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
- 8. COORDINATE EXACT LOCATIONS OF ALL FLOOR SERVICE FITTINGS AND POKE-THROUGH ASSEMBLIES WITH FINAL FURNITURE LAYOUT DRAWNGS.
- MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS
- 11. REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY
- 12. ALL FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH EXISTING XXXXX FIRE ALARM
- 13. WHERE LIGHTING IS BEING REMOVED AND REPLACED AND EXISTING CIRCUITING
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- 2. FUTURE CARD ACCESS LOCATION. PROVIDE SINGLE GANG JUNCTION BOX WITH BLANK NYLON PULL STRING WITH PLASTIC BUSHING ON END OF CONDUIT.
- TRACE AND PROVIDE NEW PANELBOARD DIRECTORIES.
- FRONT FILL SPEAKERS.
- EXTEND CONDUIT AND WIRE AS REQUIRED.
- 9. NEW CEILING FAN. PROVIDE KITCHLER MODEL 330025WH AND NEW COMPATIBLE

KEY PLAN

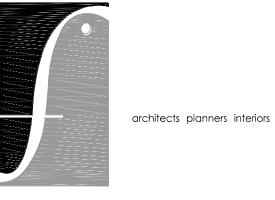


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APPROVED

PROJECT GROSSE POINTE PUBLIC SCHOOLS PARCELLS MS

RENOVATION

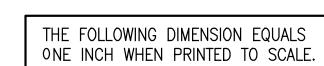
GROSSE POINTE WOODS, MICHIGAN

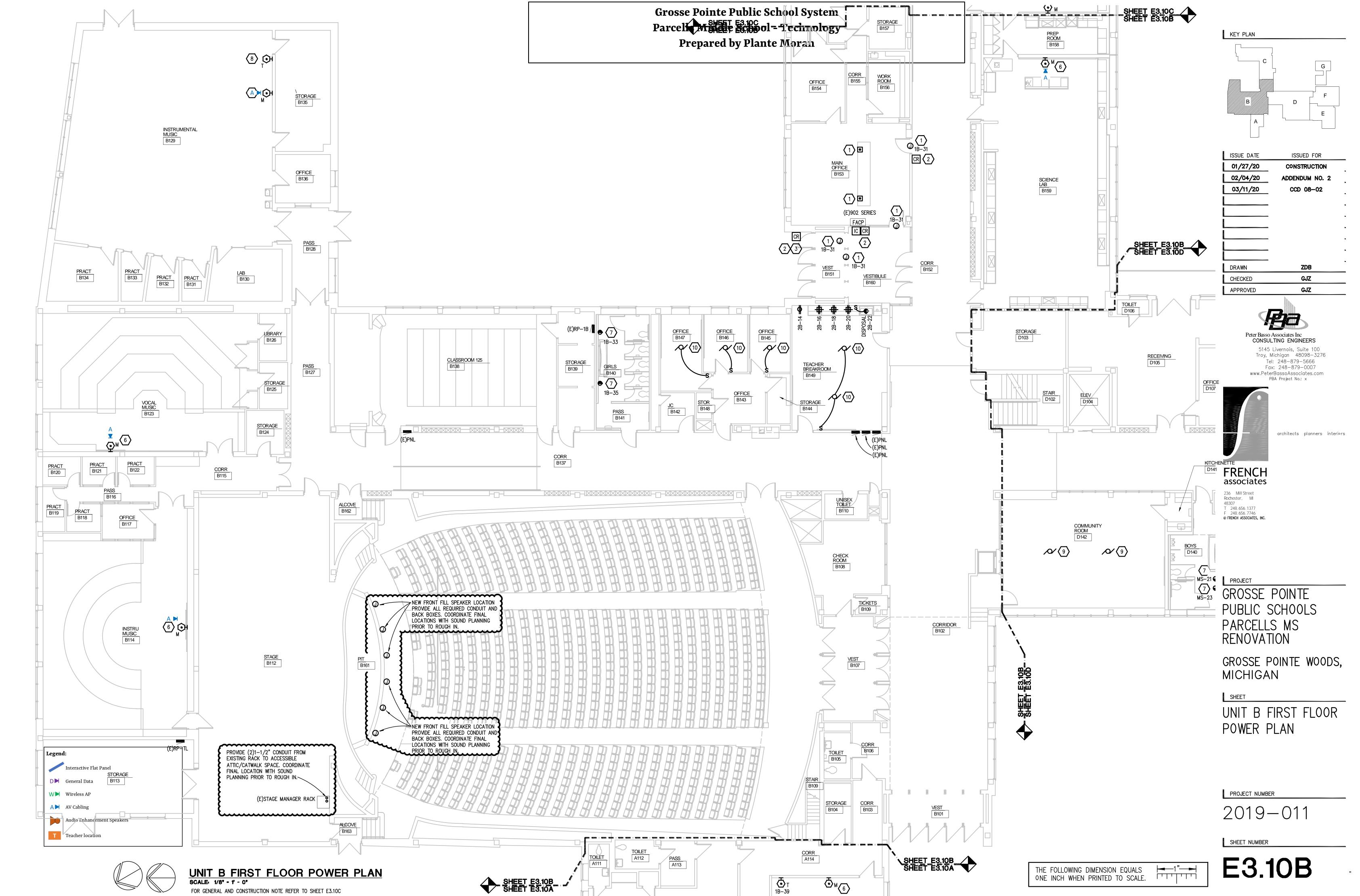
UNIT A FIRST FLOOR POWER PLAN

PROJECT NUMBER

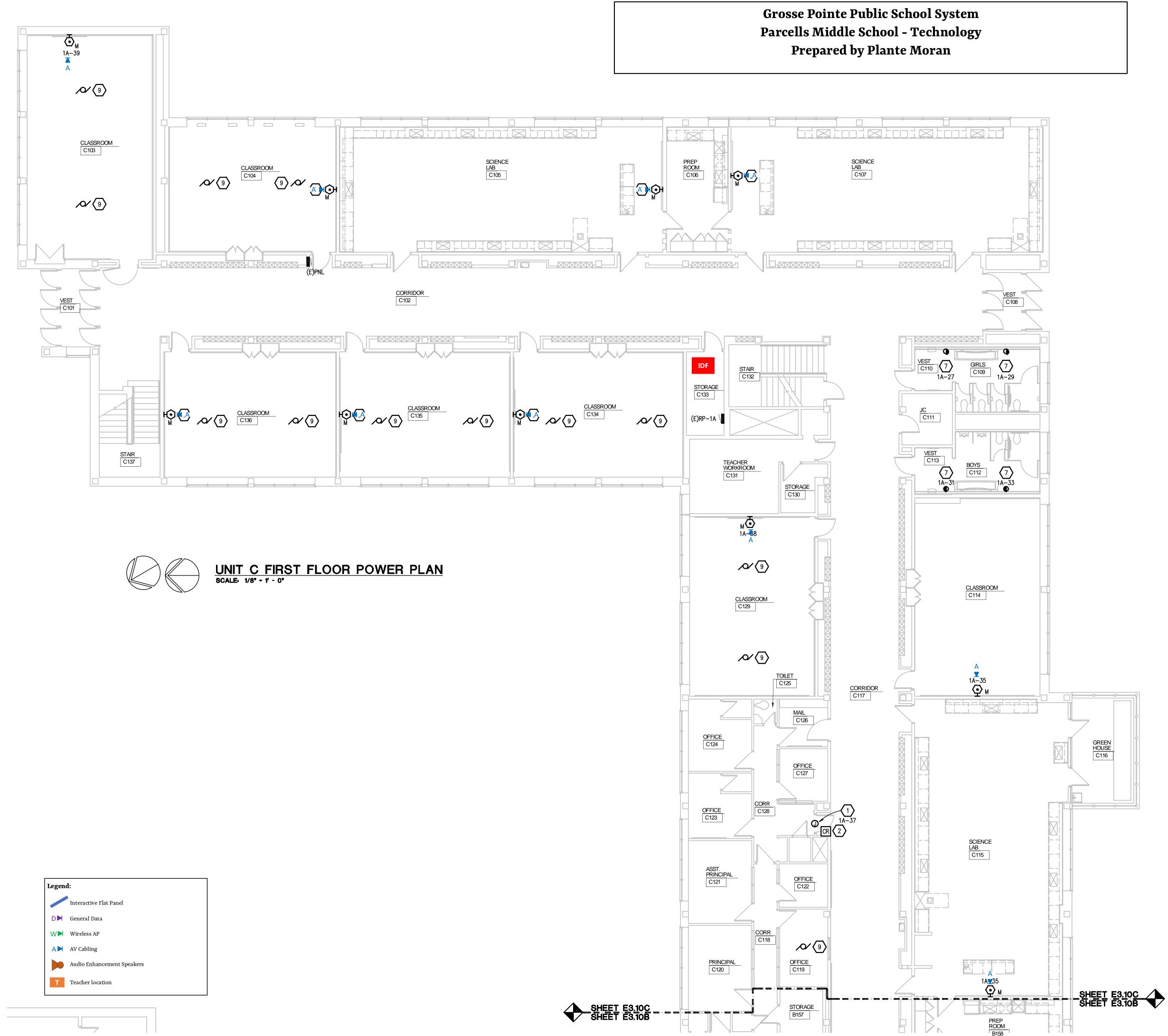
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- 14. CIRCUIT NEW EXIT SIGNS TO ADJACENT EMERGENCY LIGHTING CIRCUIT.

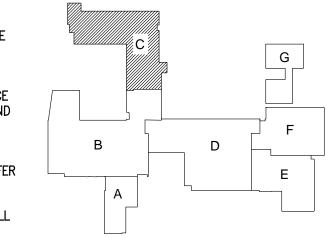
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KEY PLAN



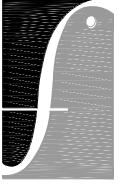
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architects planners interiors

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



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GROSSE POINTE PUBLIC SCHOOLS

PARCELLS MS

RENOVATION

GROSSE POINTE WOODS, MICHIGAN

SHEET

UNIT C FIRST FLOOR POWER PLAN

PROJECT NUMBER

2019 - 011

SHEET NUMBER

E3.10C

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.

MS-22 **€**H

MS-22 **(⊕**H

KILN MS-26,28 D

OFFICE/KILN D109

COORDINATE NEMA
CONFIGURATION WITH
OWNER.

SHEET E3.10B SHEET E3.10D

D105

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STORAGE D103

Grosse Pointe Public School System

Parcells Middle School - Technology

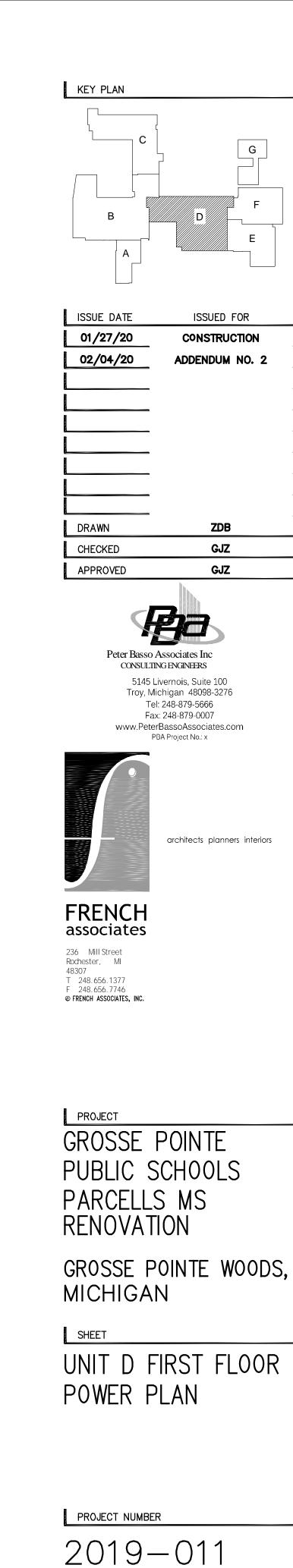
Prepared by Plante Moran

MS-24 **○**H ► A

GYMNASIUM D116

SHEET E3.10D SHEET E3.10E

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THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.

BOYS LOCKER RM E101

BOYS LOCKER RM E102

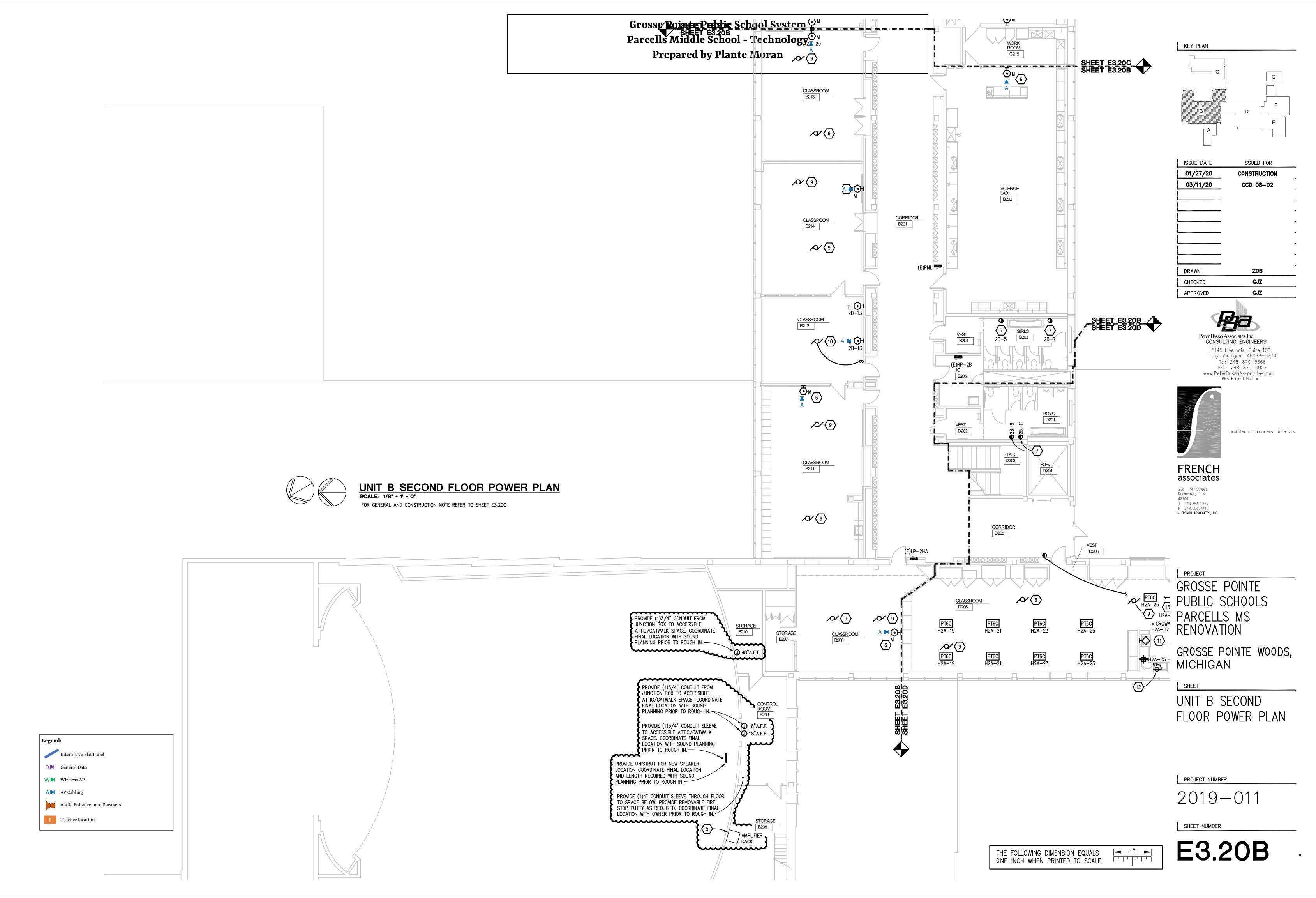
OFFICE E105

PASS E106

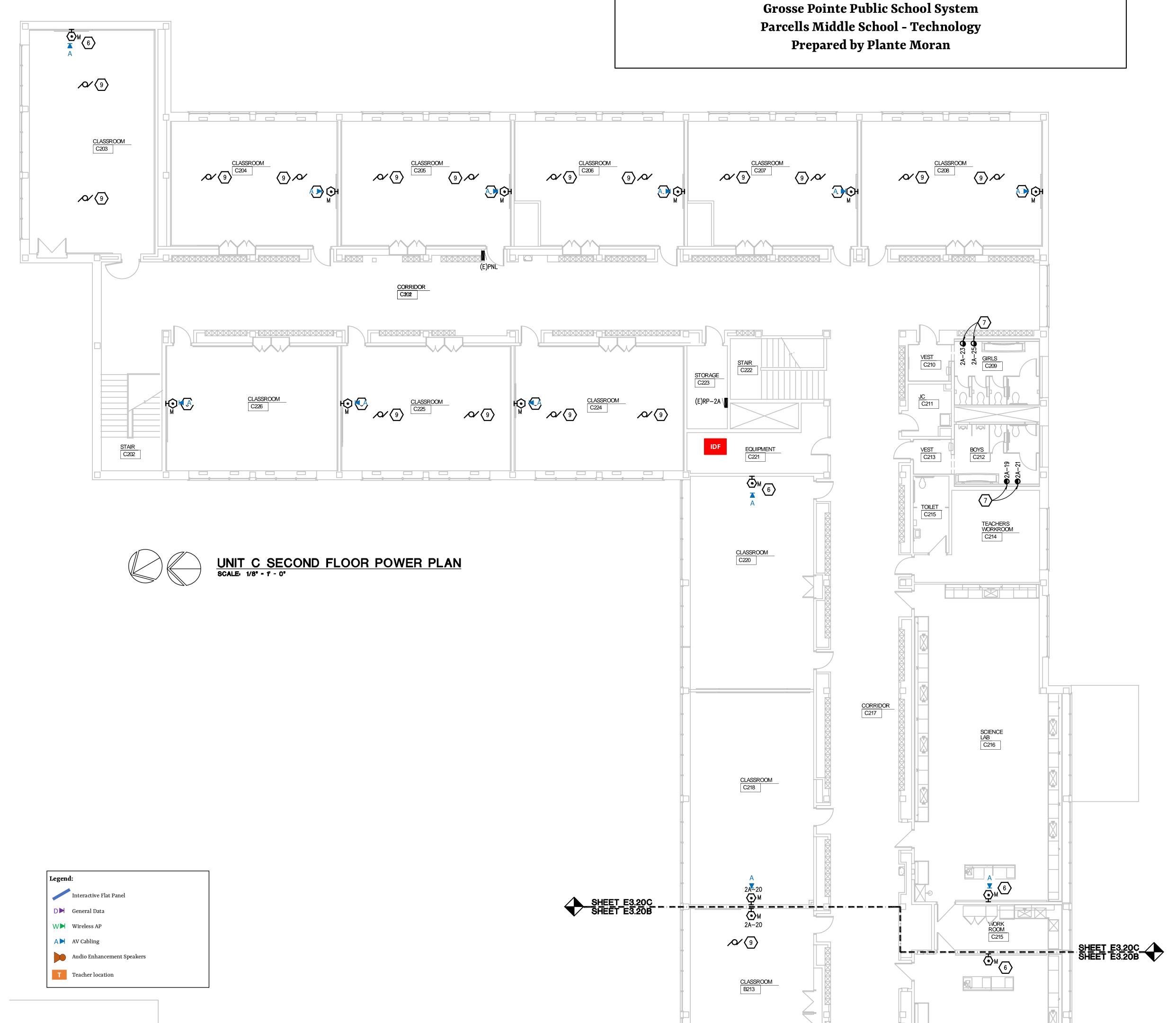
PASS E109

E3.10D

SHEET NUMBER



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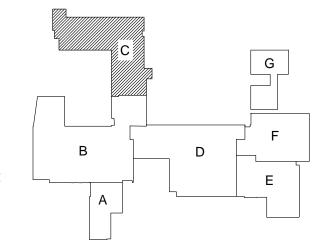
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- 3. STUB CONDUIT THROUGH WALL INTO WIREMOLD ON INTERIOR WALL TO ACCESSIBLE CEILING SPACE. NO EXTERIOR SURFACE MOUNT CONDUIT IS ACCEPTABLE.
- 4. NEW PANELBOARD. CIRCUIT TO MAINTAINED FEEDER AND BRANCH CIRCUITS. CIRCUIT TRACE AND PROVIDE NEW PANELBOARD DIRECTORIES.
- PROVIDE (2)20A-1P BREAKERS IN AVAILABLE SPACE IN PANELBOARD RP-1B LOCATED IN STORAGE B139. FOR NEW AMPLIFIER RACK. COORDINATE FINAL LOCATION OF RACK WITH SOUND PLANNING PRIOR TO ROUGH IN. PROVIDE (2)1-1/2" CONDUIT TO ACCESSIBLE ATTIC/CATWALK SPACE.
- 6. CIRCUIT TO BRANCH CIRCUIT PREVIOUSLY SERVING PROJECTOR/MONITOR IN SPACE.
- 7. NEW ELECTRIC HAND DRYER, BY ARCHITECTURAL TRADES, INSTALLED BY ELECTRICAL GROSSE POINTE
- 8. CIRCUIT TEACHER WORKSTATION TO ADJACENT 120V BRANCH CIRCUIT SERVING NEW
- 9. NEW CEILING FAN. PROVIDE KITCHLER MODEL 330025WH AND NEW COMPATIBLE CONTROLLER. LOCATE NEW CONTROL WHERE EXISTING WAS REMOVED. CIRCUIT TO MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 10. NEW CEILING FAN. PROVIDE KITCHLER MODEL 330025WH AND NEW COMPATIBLE CONTROLLER. CIRCUIT TO NEAREST AVAILABLE 120V SOURCE.
- 11. RELOCATED ELECTRIC RANGE. CIRCUIT TO NEW 50A-2P GFCI PROTECTED CIRCUIT BREAKER LOCATED IN PANELBOARD LP-2HB WHERE EXISTING BREAKER WAS
- 12. NEW IN-SINK DISPOSAL. CIRCUIT TO MAINTAINED BRANCH CIRCUIT SERVING EXISTING SHEET DISPOSAL. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 13. PROVIDE CONTROL WIRING TO EMERGENCY SOLENOID VALVE AND EMERGENCY GAS SHUT OFF SWITCH. COORDINATE WITH MECHANICAL VALVE MANUFACTURERS WIRING

KEY PLAN



	ISSUE DATE	ISSUED FOR
	01/27/20	CONSTRUCTION
JIT	03/06/20	CCD 08-01
	03/11/20	CCD 08-02
NS		
ETC.		
NTS		
i		

GJZ CHECKED APPROVED GJZ

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PUBLIC SCHOOLS PARCELLS MS RENOVATION

GROSSE POINTE WOODS, MICHIGAN

UNIT C SECOND FLOOR POWER PLAN

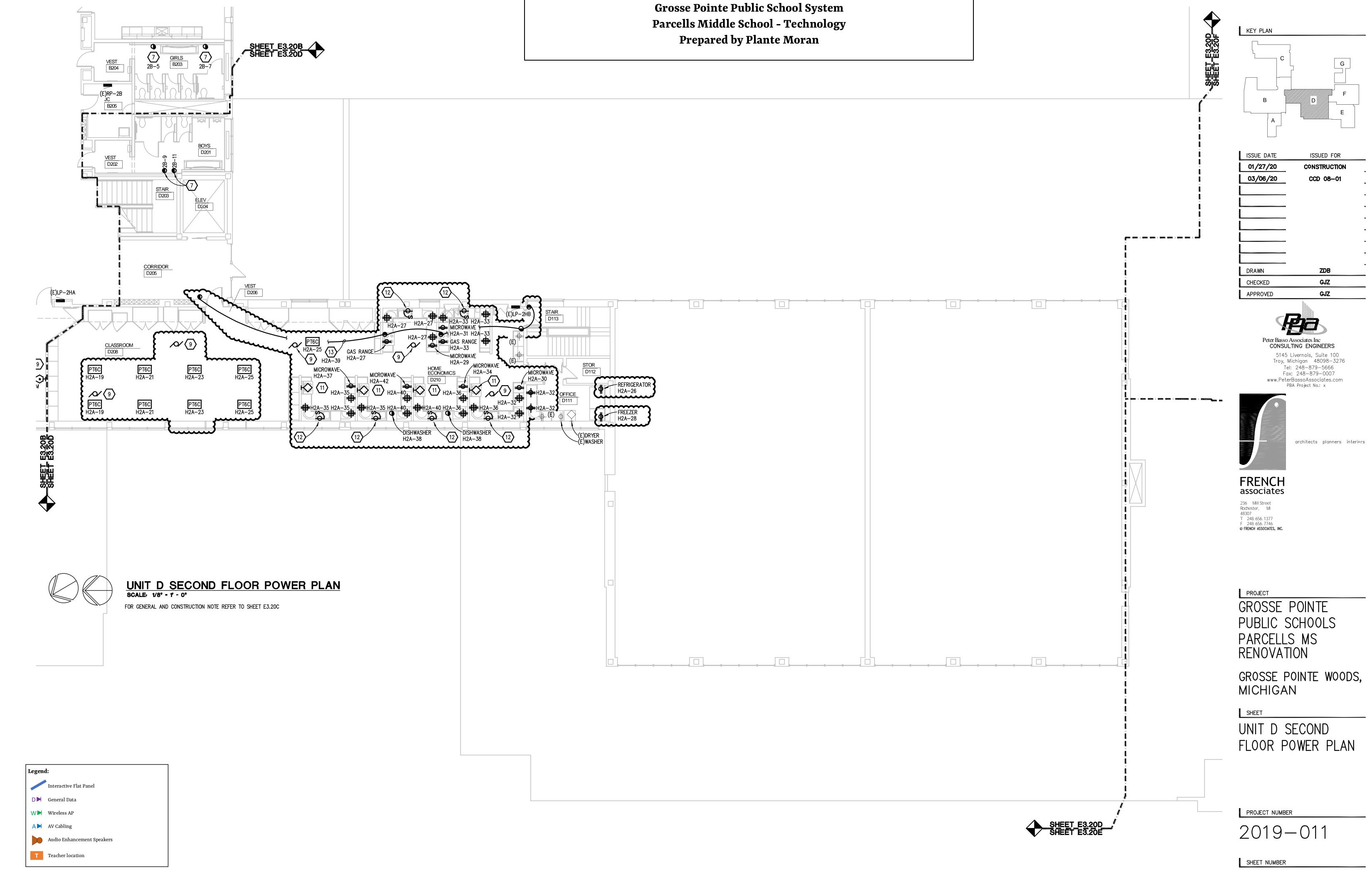
PROJECT NUMBER

2019 - 011

SHEET NUMBER

E3.20C

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.



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E3.20D

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.