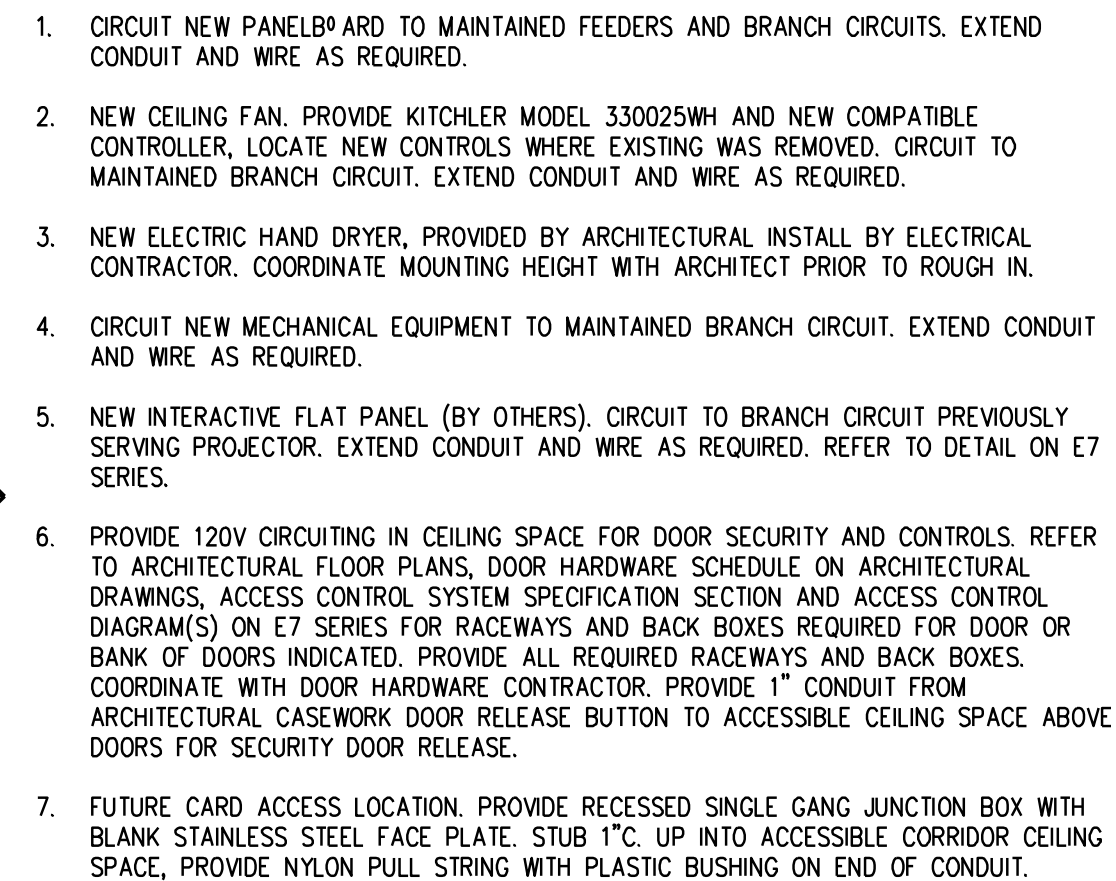



APPENDIX B – Existing and Future Placements

Brownell Middle School - Future Placements



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 NOT 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 FIRE ALARM SYSTEM. PROVIDE NECESSARY COMPONENTS, MODELS, ETC. AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. RE-TEST AND CERTIFY EXISTING FIRE ALARM SYSTEM AT COMPLETION OF PROJECT.
13. CIRCUIT NEW EXIT SIGNS TO UNSWITCHED HOT LEG OF ADJACENT LIGHTING BRANCH CIRCUIT.

A diagram of a 2D hexagonal lattice. The lattice is composed of several hexagonal cells. Six regions are labeled: A, B, C, D, E, and F. Region B is shaded with diagonal lines. The regions are arranged as follows: A is at the bottom left, B is at the top left, C is at the top center, D is at the bottom center, E is at the bottom right, and F is at the top right. The regions are connected by their edges.



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RENOVATIONS

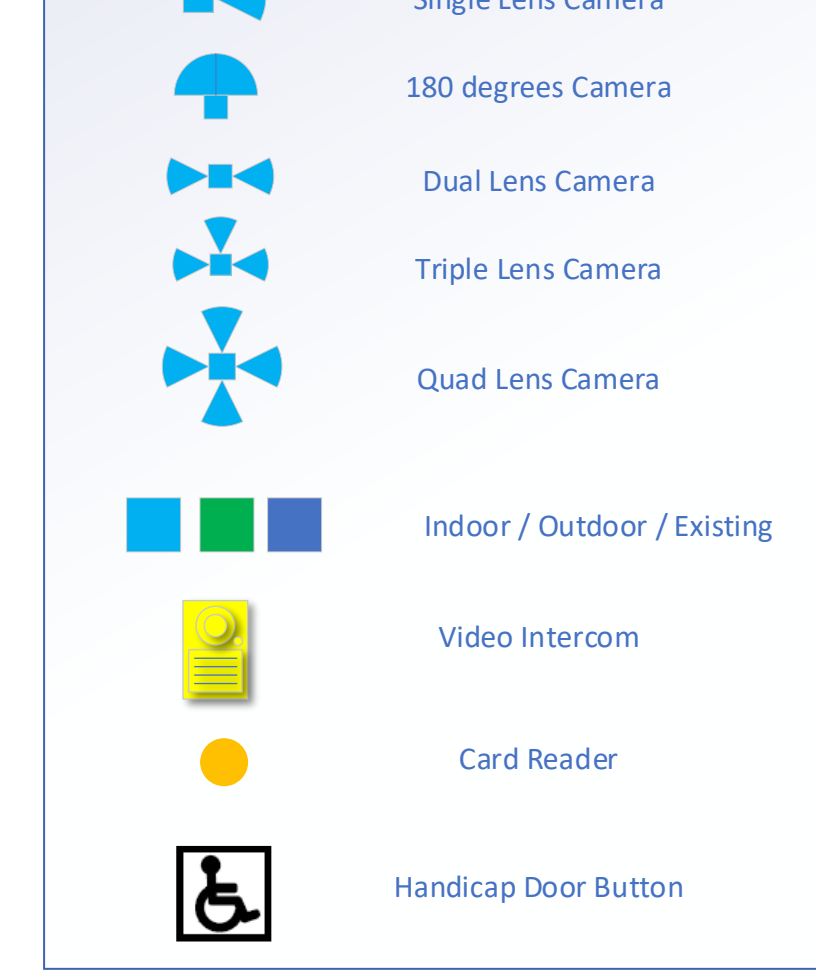
GROSSE POINTE FARMS
MICHIGAN

UNIT B FIRST FLOOR POWER AND AUXILIARY SYSTEMS PLAN

2019-030

E3.10B

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UNIT C FIRST FLOOR POWER AND AUXILIARY SYSTEMS PLAN
SCALE: 1/8" = 1' - 0"
GENERAL AND KEYED NOTES: SEE SHEET E3.10E

A diagram of a 2D hexagonal lattice. The lattice is composed of several hexagonal cells. Six regions are labeled: A, B, C, D, E, and F. Region C is shaded with diagonal lines. The regions are arranged as follows: A is at the bottom left, B is at the top left, C is in the center, D is at the bottom center, E is at the bottom right, and F is at the top right. Region C is adjacent to regions B, D, and E.

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SHEET

UNIT C FIRST FLOOR
POWER AND
AUXILIARY SYSTEMS
PLAN

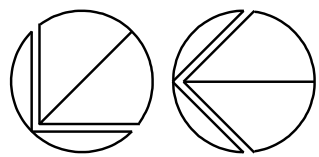
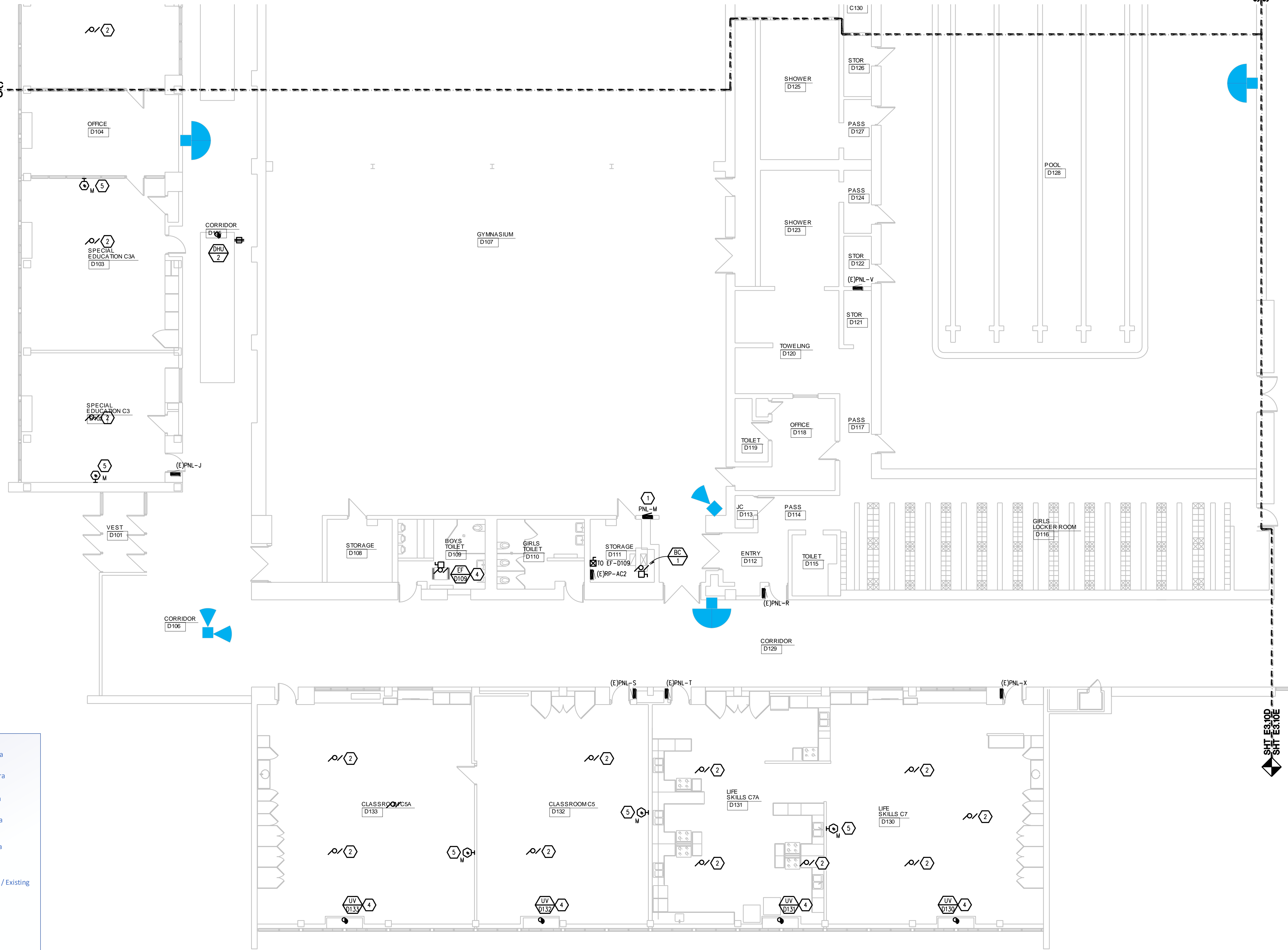
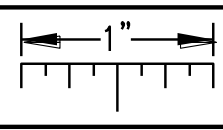
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E3.10C

2019-010 UPPS BROWNELL MS INTERIOR RENOVATION

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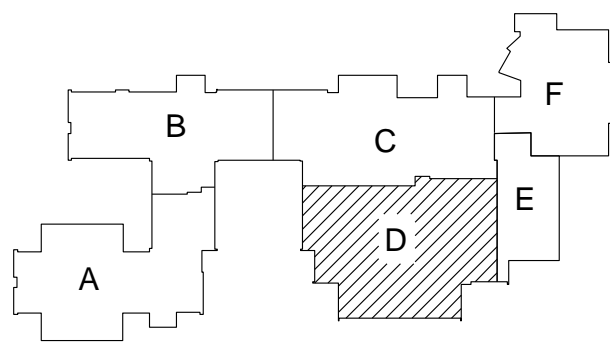


UNIT D FIRST FLOOR POWER AND AUXILIARY SYSTEMS PLAN

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

GENERAL AND KEYED NOTES: SEE SHEET E3.10E

KEY PLAN



ISSUE DATE

07/2/20

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DRAWN

ZDB

CHECKED

ZDB

APPROVED

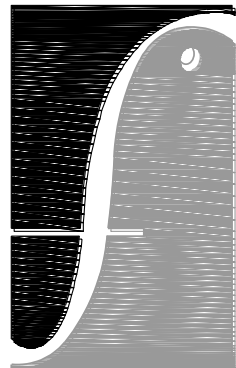
GJZ



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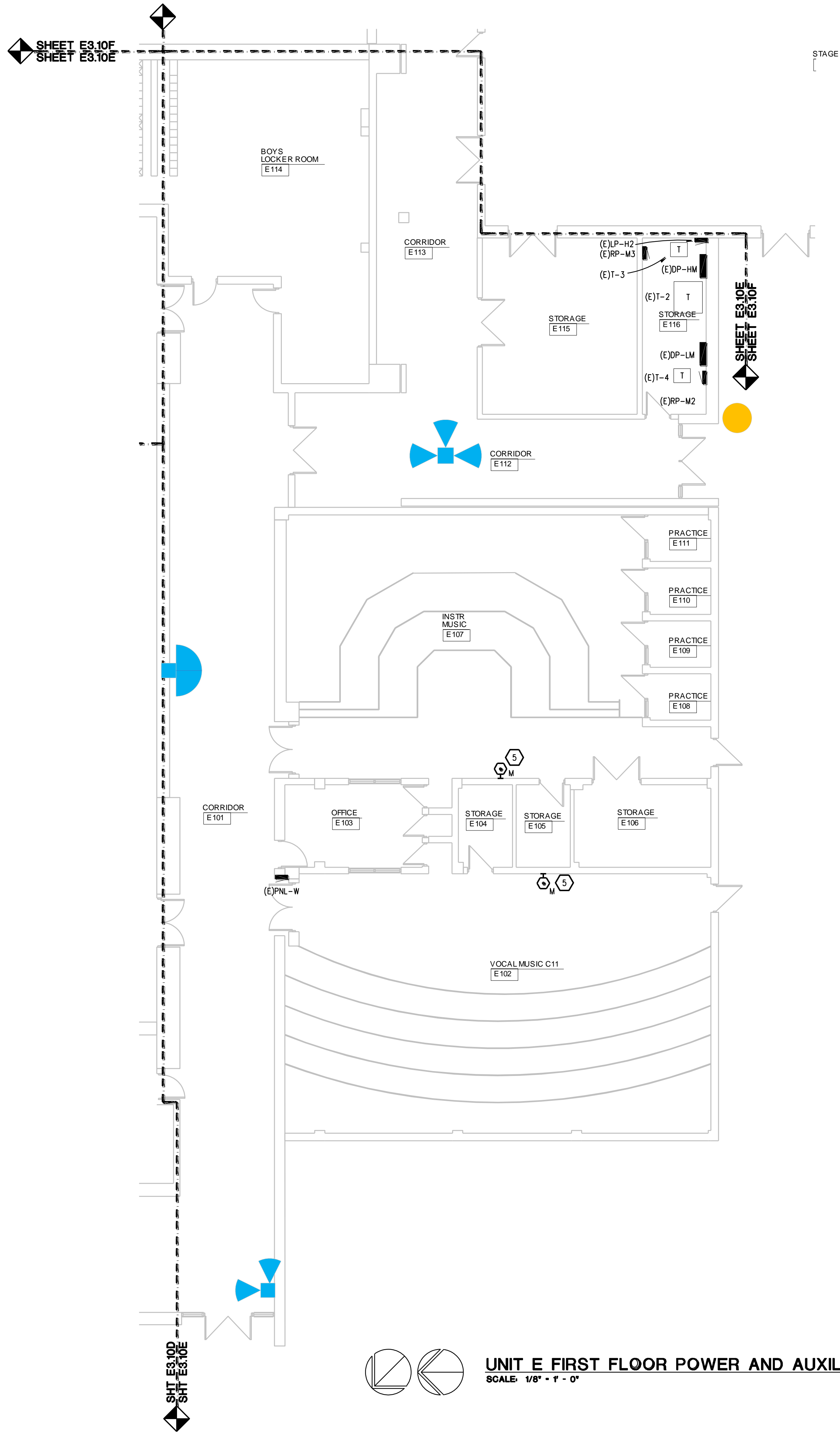
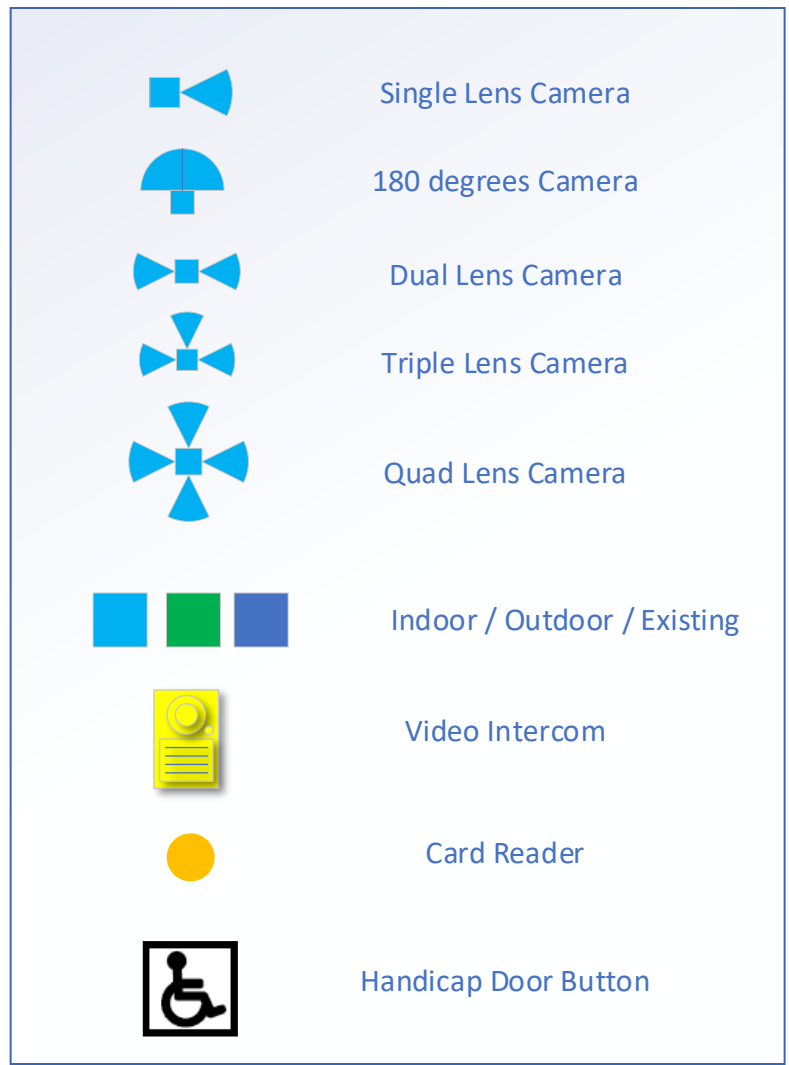
UNIT D FIRST FLOOR
POWER AND
AUXILIARY SYSTEMS
PLAN

PROJECT NUMBER

2019-030

SHEET NUMBER

E3.10D



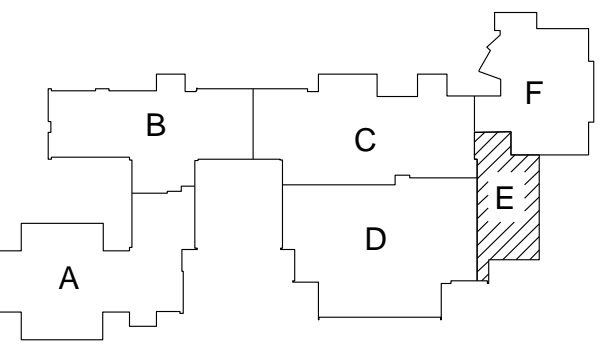
ELECTRICAL GENERAL NOTES:

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.
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.
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13. CIRCUIT NEW EXIT SIGNS TO UNSWITCHED HOT LEG OF ADJACENT LIGHTING BRANCH CIRCUIT.

CONSTRUCTION KEY NOTES:

1. CIRCUIT NEW PANELBOARD TO MAINTAINED FEEDERS AND BRANCH CIRCUITS. EXTEND CONDUIT AND WIRE AS REQUIRED.
2. NEW CEILING FAN. PROVIDE KITCHER MODEL 330025MH AND NEW COMPATIBLE CONTROLLER. LOCATE NEW CONTROLS WHERE EXISTING WAS REMOVED. CIRCUIT TO MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED.
3. NEW ELECTRIC HAND DRYER, PROVIDED BY ARCHITECTURAL. INSTALL BY ELECTRICAL CONTRACTOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH IN.
4. CIRCUIT NEW MECHANICAL EQUIPMENT TO MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED.
5. NEW INTERACTIVE FLAT PANEL (BY OTHERS). CIRCUIT TO BRANCH CIRCUIT PREVIOUSLY SERVING PROJECTOR. EXTEND CONDUIT AND WIRE AS REQUIRED. REFER TO DETAIL ON E7 SERIES.
6. 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 DETAIL 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.
7. FUTURE CARD ACCESS LOCATION. PROVIDE RECESSED SINGLE GANG JUNCTION BOX WITH BLANK STAINLESS STEEL FACE PLATE. STUD 1" UP INTO ACCESSIBLE CORRIDOR CEILING SPACE. PROVIDE NYLON PLUG STRING WITH PLASTIC BUSHING ON END OF CONDUIT.

KEY PLAN



ISSUE DATE	ISSUED FOR
07/27/2018	DESIGN DEVELOPMENT
DRAWN	ZDB
CHECKED	ZDB
APPROVED	GJZ

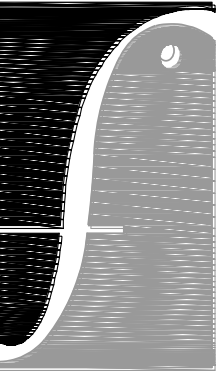


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MICHIGAN

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POWER AND

AUXILIARY SYSTEMS

PLAN

PROJECT NUMBER

2019-030

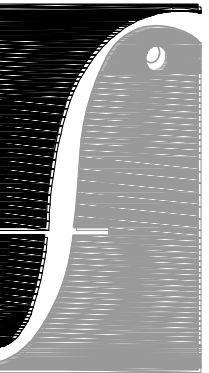
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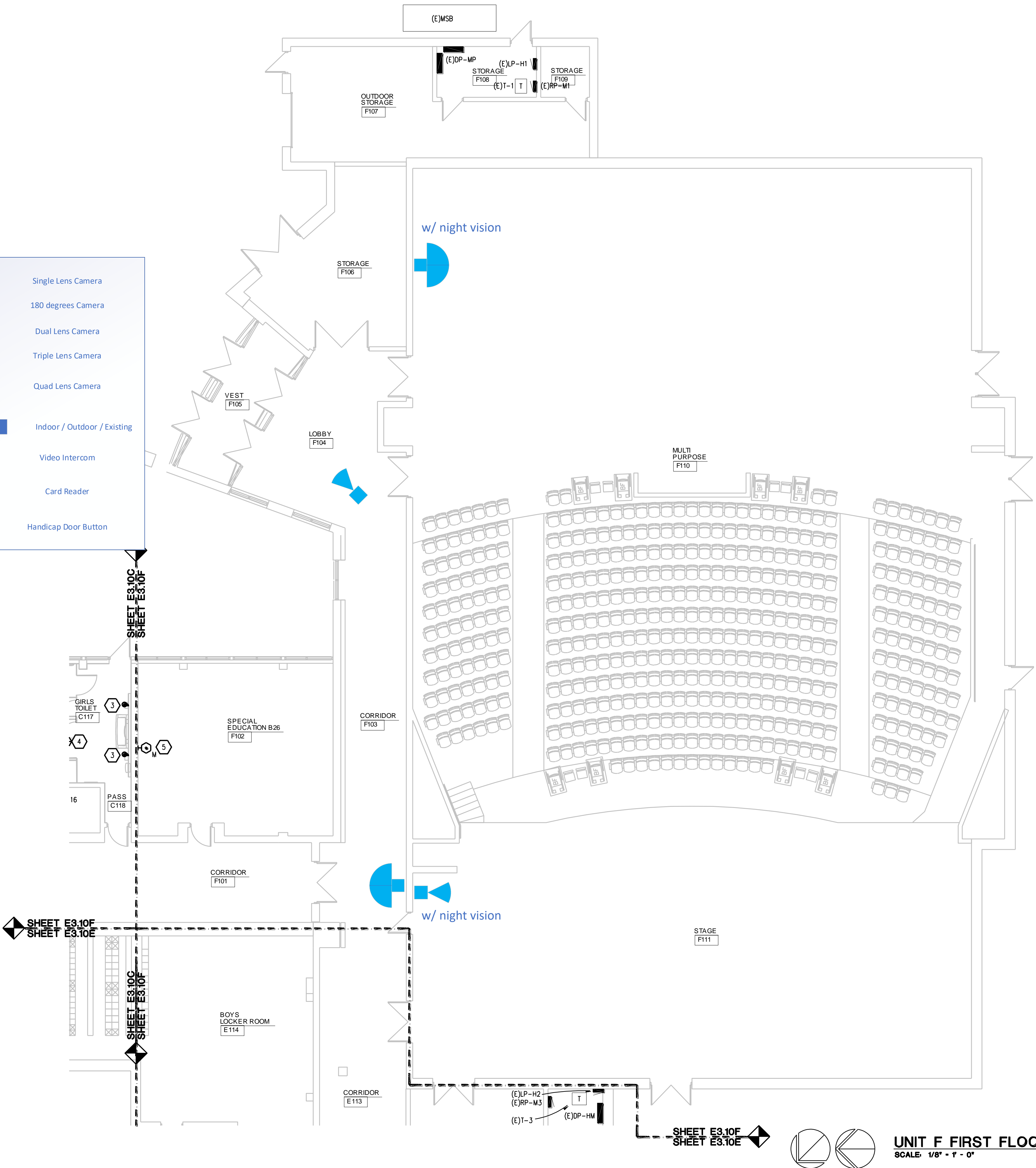
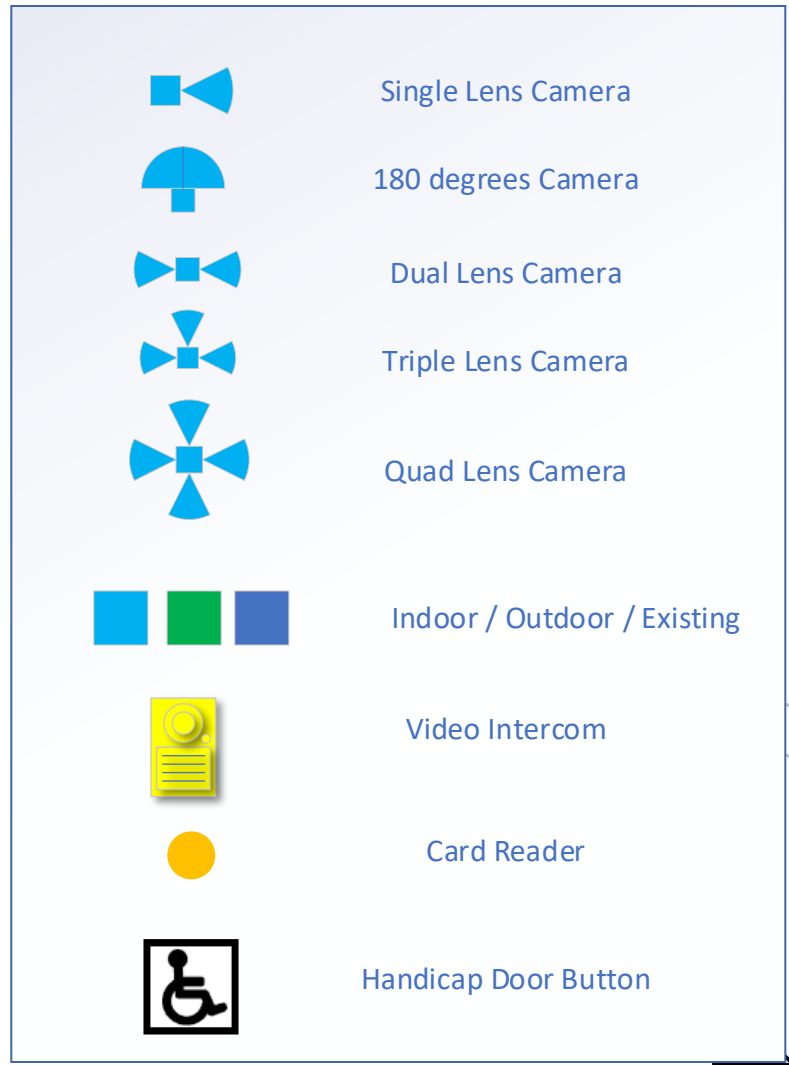
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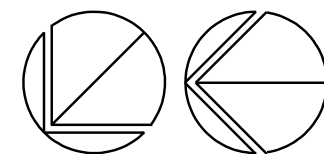
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4. CIRCUIT NEW MECHANICAL EQUIPMENT TO MAINTAINED BRANCH CIRCUIT. EXTEND CONDUIT AND WIRE AS REQUIRED.
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6. PROVIDE 120V CIRCUITING IN CEILING SPACE FOR DOOR SECURITY AND CONTROLS. REFER TO ARCHITECTURAL FLOOR PLANS, DOOR HARDWARE SCHEDULE ON ARCHITECTURAL DRAWINGS, ACCESS CONTROL SYSTEM SPECIFICATION SECTION AND ACCESS CONTROL DIAGRAM 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.
7. FUTURE CARD ACCESS LOCATION. PROVIDE RECESSED SINGLE GANG JUNCTION BOX WITH BLANK STAINLESS STEEL FACE PLATE. STUB 1/2" UP TO ACCESSIBLE CORRIDOR CEILING SPACE. PROVIDE NYLON PLUG STRING WITH PLASTIC BUSHING ON END OF CONDUIT.



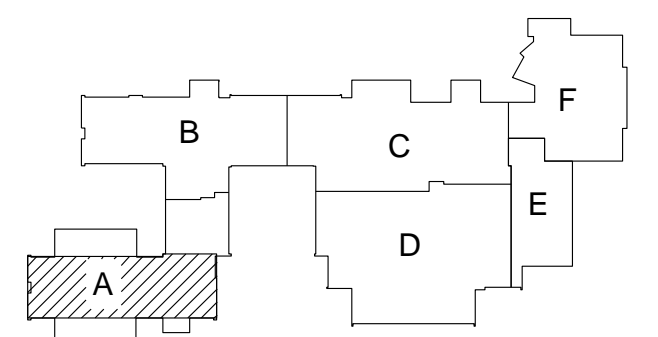
UNIT F FIRST FLOOR POWER AND AUXILIARY SYSTEMS PLAN
SCALE: 1/8" = 1' - 0"




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

CONSTRUCTION KEY NOTES:

- ### KEY PLAN

[illegible]

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PROJECT

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SHEET

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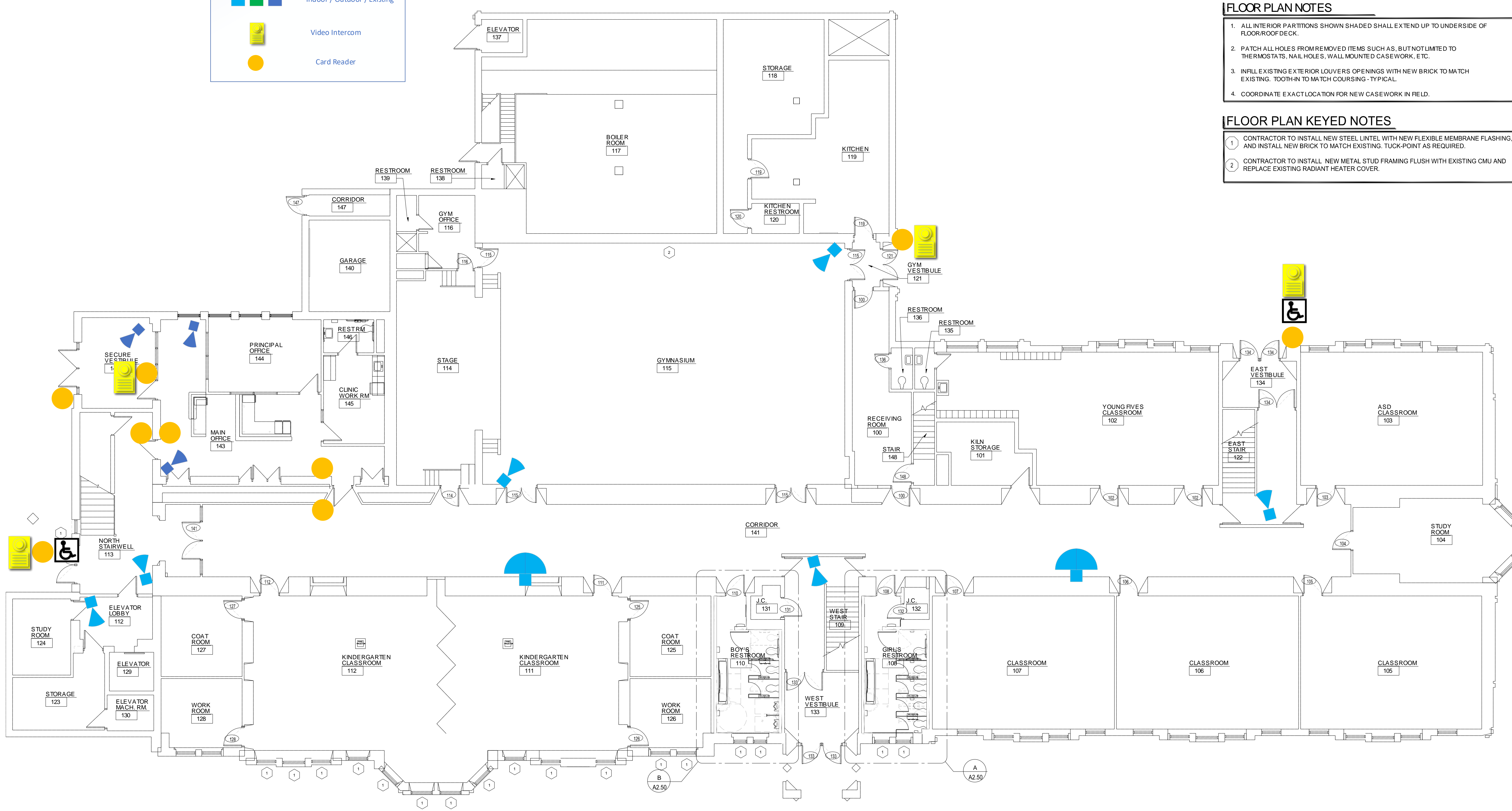
2019-030

SHEET NUMBER

E3.20A



Maire Elementary School - Future Placements




 EXTERIOR WALLS TO BE 4" NOMINAL BRICK ON CONCRETE BLOCK WALL WITH 2" RIGID CAVITY INSULATION
 C.M.U. PARTITION AS DIMENSIONED
 5/8" ABUSE RESISTANT GYPSUMBOARD EACH SIDE OF 3/58" METAL STUD AT 16" O.C. (WALL THICKNESS = 4 7/8" - NOMINAL 5")
 INDICATES BATTSOUND ATTENUATION INSULATION
 SHADING INDICATES PARTITIONS TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK UNLESS OTHERWISE INDICATED.

1.	ALL INTERIOR PARTITIONS SHOWN SHADED SHALL EXTEND UP TO UNDERSIDE OF FLOOR/ROOF/CEILING.
2.	PATCH ALL HOLES FROM REMOVED ITEMS, SUCH AS, BUT NOT LIMITED TO THERMOSTATS, NAIL HOLES, WALL MOUNTED CASEWORK, ETC.
3.	INFILL EXISTING EXTERIOR LOUVERS OPENINGS WITH NEW BRICK TO MATCH EXISTING. TOOTH-IN TO MATCH COURSING - TYPICAL.
4.	COORDINATE EXACT LOCATION FOR NEW CASEWORK IN FIELD.

1	CONTRACTOR TO INSTALL NEW STEEL LINTEL WITH NEW FLEXIBLE MEMBRANE FLASHING, AND INSTALL NEW BRICK TO MATCH EXISTING. TUCK-POINT AS REQUIRED.
2	CONTRACTOR TO INSTALL NEW METAL STUD FRAMING FLUSH WITH EXISTING CMU AND REPLACE EXISTING RADIANT HEATER COVER.

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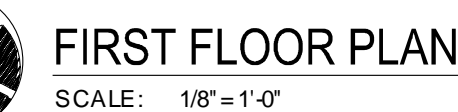
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MAINTENANCE
RENOVATIONS









SHEET

FIRST FLOOR PLAN

2019-026

A2.01





Single Lens Camera

180 degrees Camera

Dual Lens Camera

Triple Lens Camera

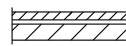
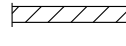
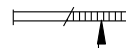


Quad Lens Camera

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FLOOR PLAN LEGEND

-  EXTERIOR WALLS TO BE 4" NOMINAL BRICK ON CONCRETE BLOCK WALL WITH 2" RIGID CAVITY INSULATION
-  C.M.U. PARTITION AS DIMENSIONED
-  5/8" ABUSE RESISTANT GYPSUM BOARD EACH SIDE OF 3/5/8" METAL STUD AT 16" O.C. (WALL THICKNESS = 4 7/8" - NOMINAL 5")
-  INDICATES BATT SOUND ATTENUATION INSULATION
-  SHADING INDICATES PARTITIONS TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK UNLESS OTHERWISE INDICATED.

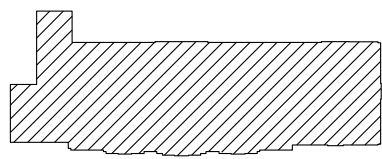
FLOOR PLAN NOTES

1. ALL INTERIOR PARTITIONS SHOWN SHADED SHALL EXTEND UP TO UNDERSIDE OF FLOOR/ROOF DECK.
2. PATCH ALL HOLES FROM REMOVED ITEMS SUCH AS, BUT NOT LIMITED TO THERMOSTATS, NAIL HOLES, WALL MOUNTED CASEWORK, ETC.
3. INFILL EXISTING EXTERIOR LOUVERS OPENINGS WITH NEW BRICK TO MATCH EXISTING. TOOTH-IN TO MATCH COURSING - TYPICAL.
4. COORDINATE EXACT LOCATION FOR NEW CASEWORK IN FIELD.

FLOOR PLAN KEYED NOTES

1. CONTRACTOR TO INSTALL NEW STEEL LINTEL WITH NEW FLEXIBLE MEMBRANE FLASHING, AND INSTALL NEW BRICK TO MATCH EXISTING. TUCK-POINT AS REQUIRED.
2. CONTRACTOR TO INSTALL NEW METAL STUD FRAMING FLUSH WITH EXISTING CMU AND REPLACE EXISTING RADIANT HEATER COVER.

KEY PLAN



ISSUE DATE

07/27/2020

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DESIGN DEVELOPMENT

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PROJECT

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SHEET

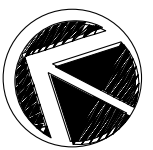
THIRD FLOOR PLAN

PROJECT NUMBER

2019-026

SHEET NUMBER







A2.03



THIRD FLOOR PLAN

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

2019-026 GPPSS WAREHOUSES RENOVATION



Single Lens Camera

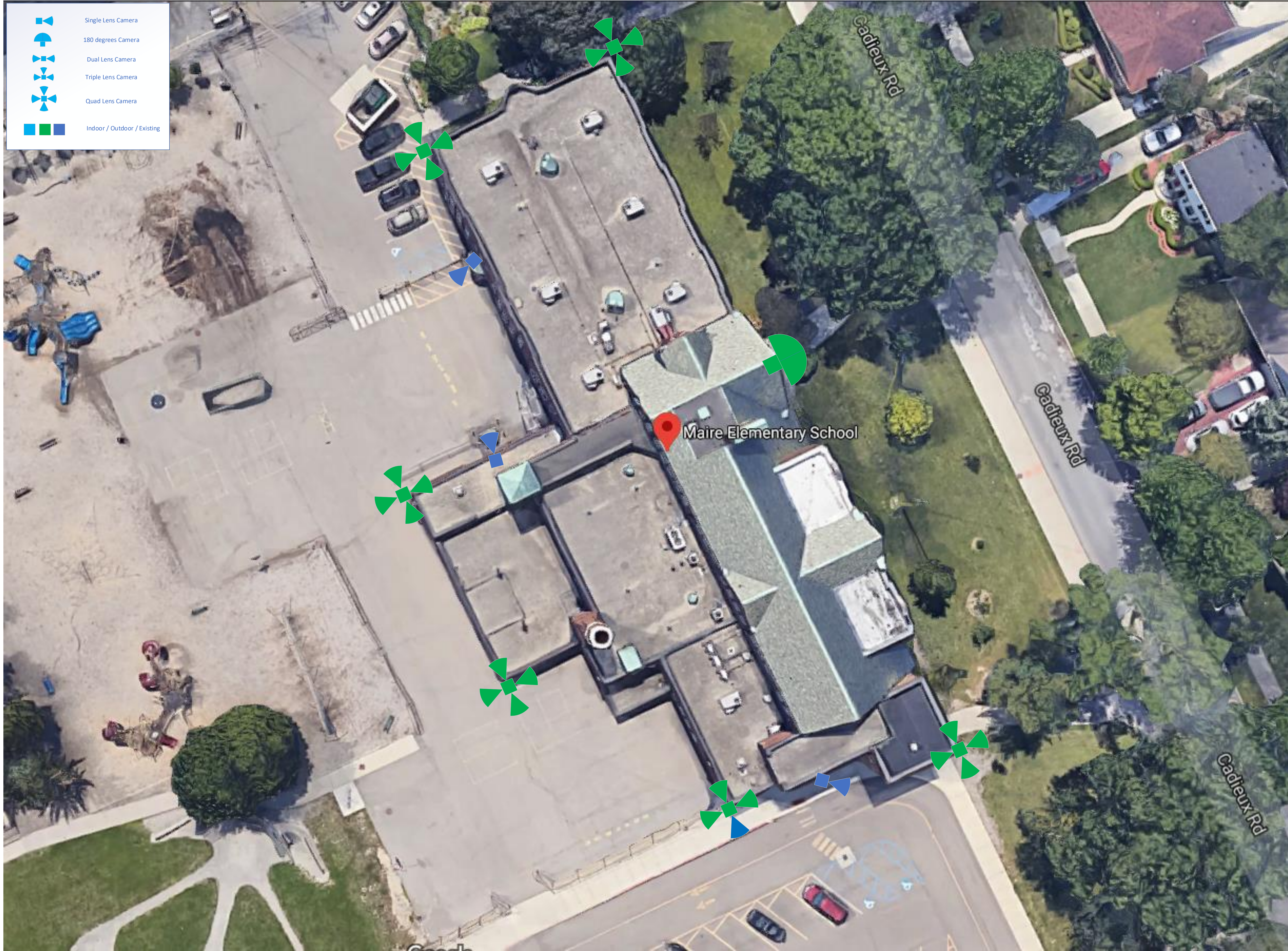
180 degrees Camera

Dual Lens Camera


Triple Lens Camera

Quad Lens Camera


Indoor / Outdoor / Existing




Richard Elementary School - Future Placements




Single Lens Camera




180 degrees Camera




Dual Lens Camera




Triple Lens Camera




Quad Lens Camera



Indoor / Outdoor / Existing

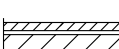


Video Intercom

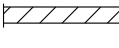


Card Reader

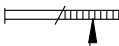
FLOOR PLAN LEGEND




EXTERIOR WALLS TO BE 4" NOMINAL BRICK ON CONCRETE BLOCK WALL WITH 2" RIGID CAVITY INSULATION




C.M.U. PARTITION AS DIMENSIONED



5/8" ABUSE RESISTANT GYPSUM BOARD EACH SIDE OF 3 5/8" METAL STUD AT 16" O.C. (WALL THICKNESS = 4 7/8" - NOMINAL 5")



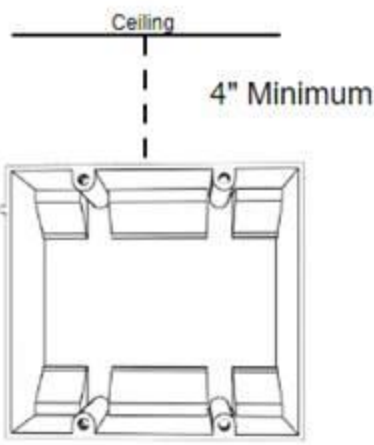
INDICATES BATT SOUND ATTENUATION INSULATION



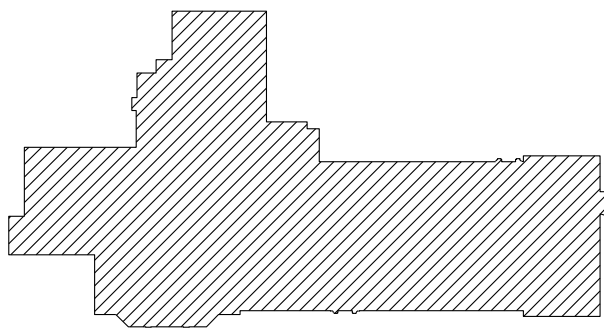
SHADING INDICATES PARTITIONS TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK UNLESS OTHERWISE INDICATED.

FLOOR PLAN NOTES

1. ALL INTERIOR PARTITIONS SHOWN SHADED SHALL EXTEND UP TO UNDERSIDE OF FLOOR/ROOF DECK.
2. PATCH ALL HOLES FROM REMOVED ITEMS SUCH AS, BUT NOT LIMITED TO THERMOSTATS, NAIL HOLES, WALL MOUNTED CASEWORK, ETC.
3. INFILL EXISTING EXTERIOR LOUVERS OPENINGS WITH NEW BRICK TO MATCH EXISTING. TOOTH-IN TO MATCH COURSING - TYPICAL.
4. COORDINATE EXACT LOCATION FOR NEW CASEWORK IN FIELD.



KEY PLAN



ISSUE DATE

07/27/20

ISSUED FOR

DESIGN DEVELOPMENT

DRAWN

CPM

CHECKED

CPM

APPROVED

PAC

EHRESMAN
ARCHITECTS

803 W. Big Beaver Road, Suite 350, Troy, MI 48064 | 248.244.9710
ehresmanarchitects.com



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PROJECT

GROSSE POINTE
PUBLIC SCHOOLS
RICHARDS
RENOVATIONS

GROSSE POINTE FARMS
MICHIGAN

SHEET

FIRST FLOOR PLAN

PROJECT NUMBER

2019-029

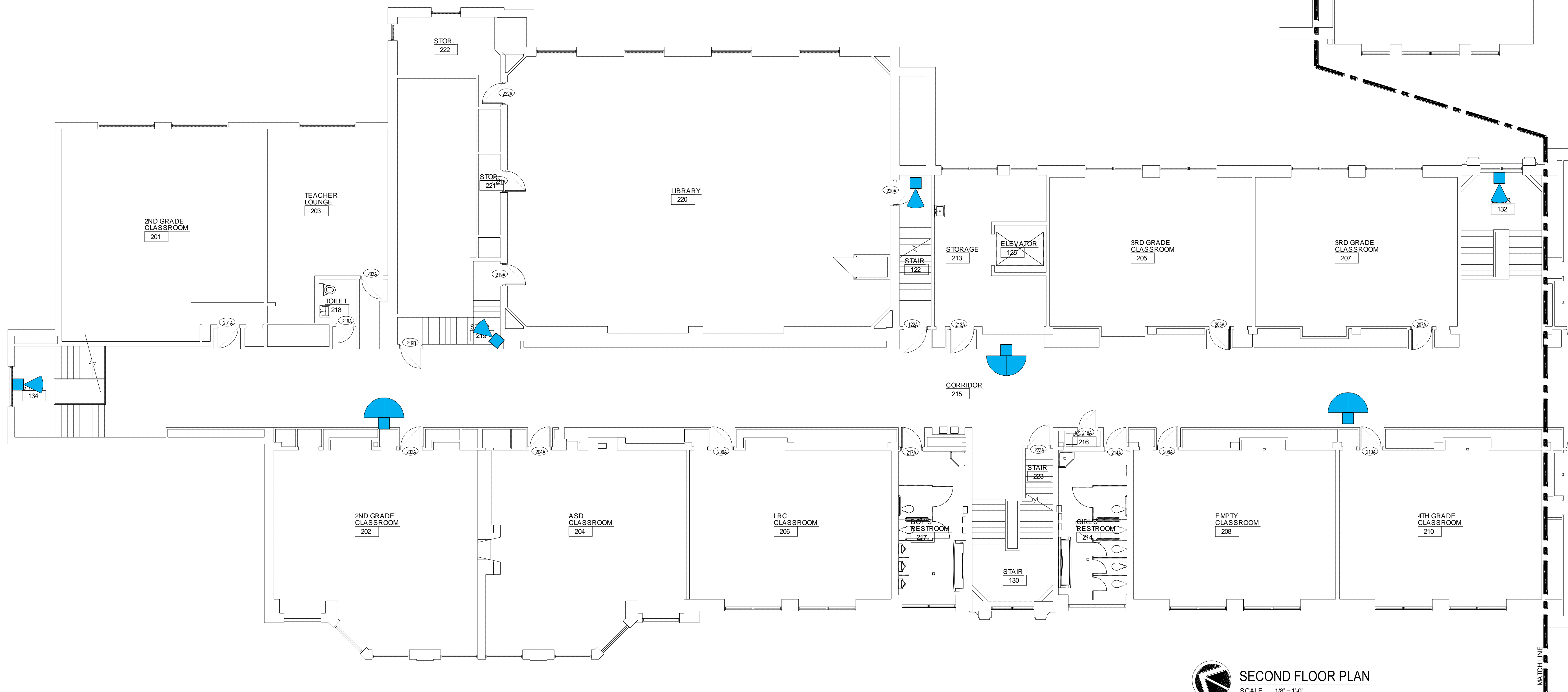
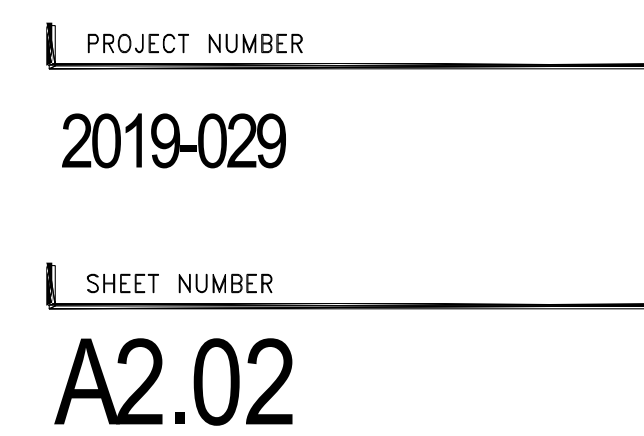
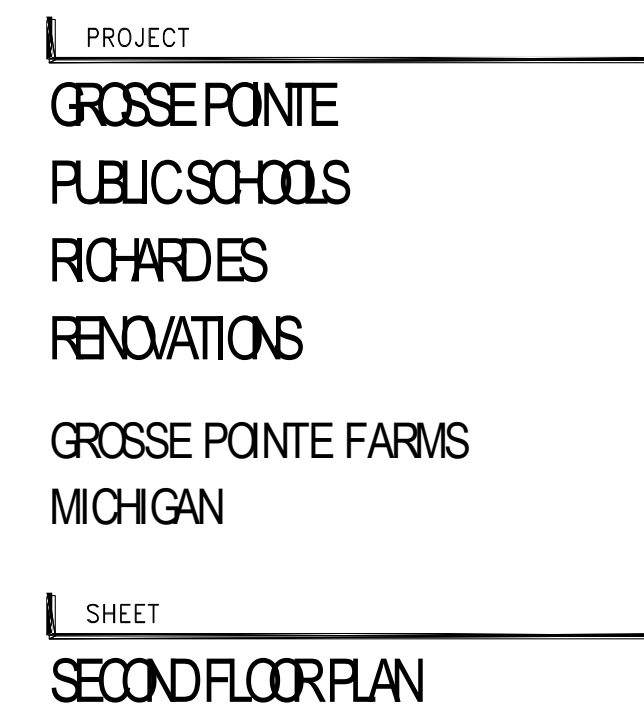
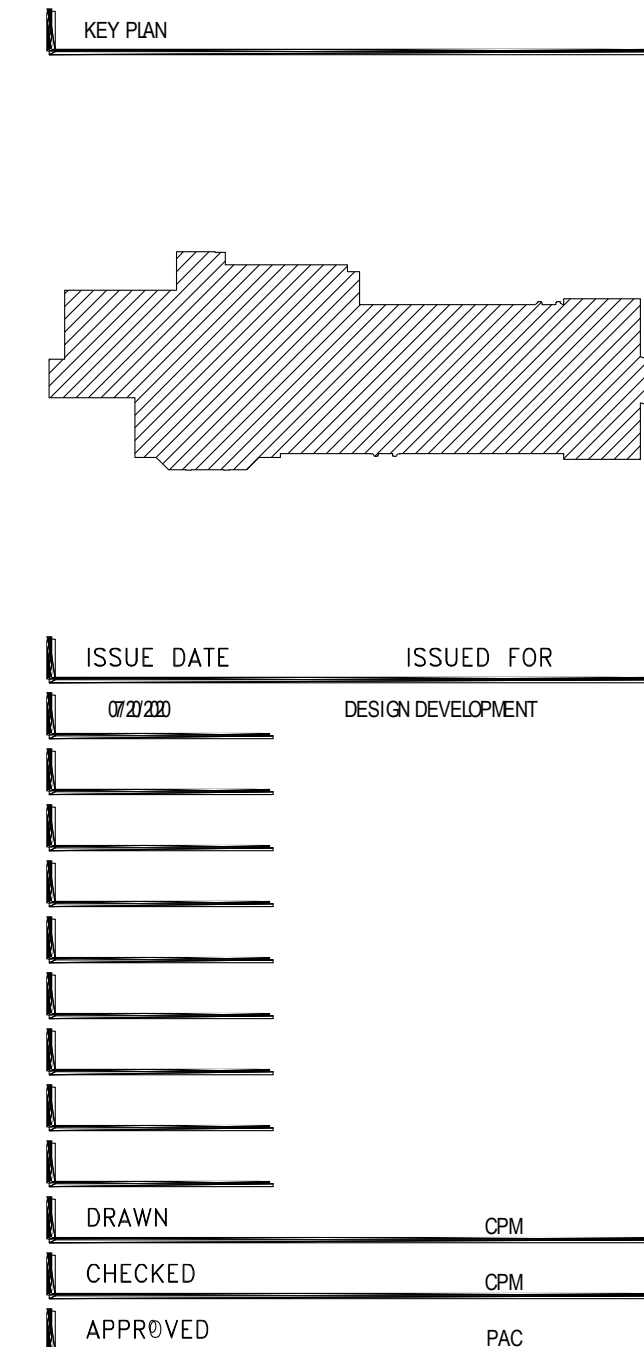
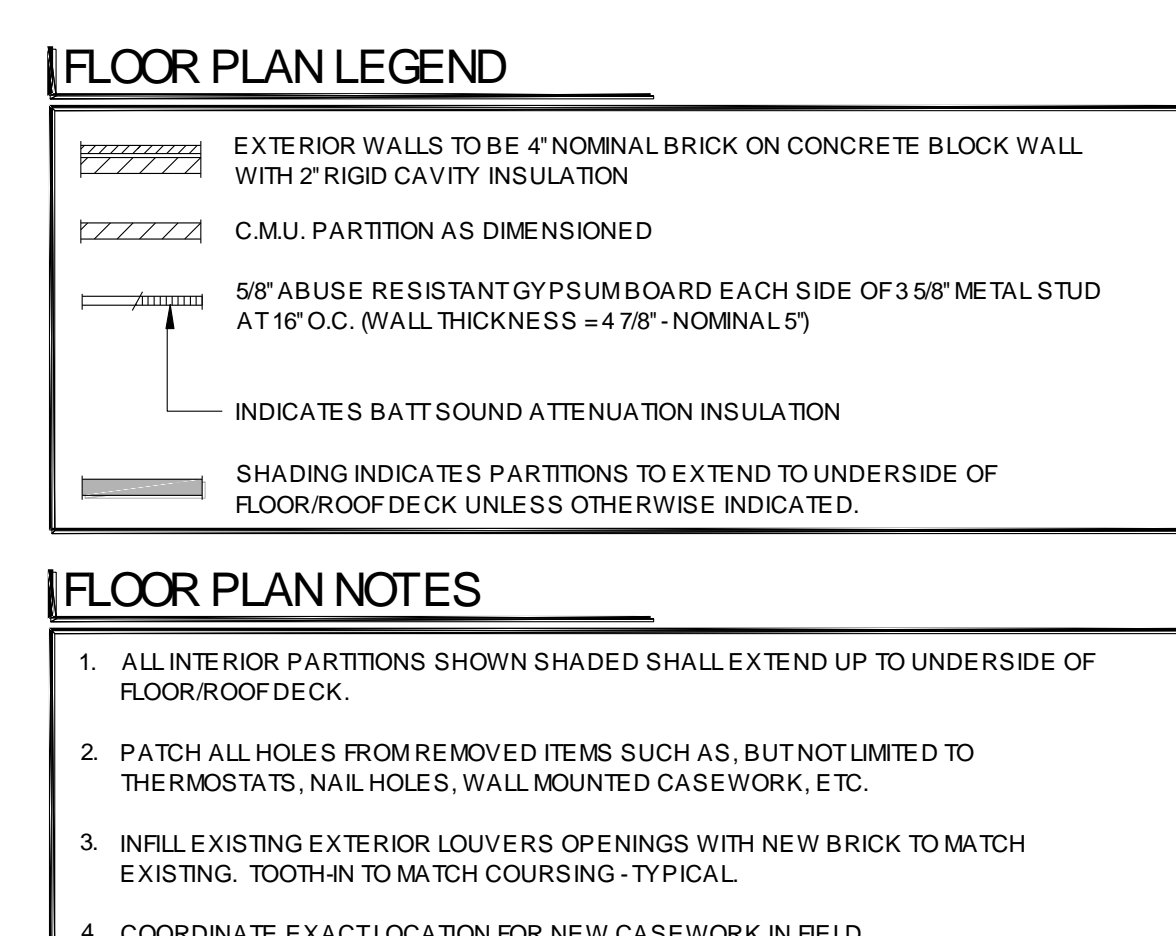
SHEET NUMBER









A2.01



FIRST FLOOR PLAN

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





Single Lens Camera

180 degrees Camera

Dual Lens Camera

Triple Lens Camera

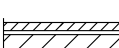
Quad Lens Camera

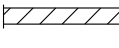
Indoor / Outdoor / Existing

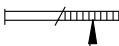
Video Intercom


Card Reader


FLOOR PLAN LEGEND

 EXTERIOR WALLS TO BE 4" NOMINAL BRICK ON CONCRETE BLOCK WALL WITH 2" RIGID CAVITY INSULATION

 C.M.U. PARTITION AS DIMENSIONED

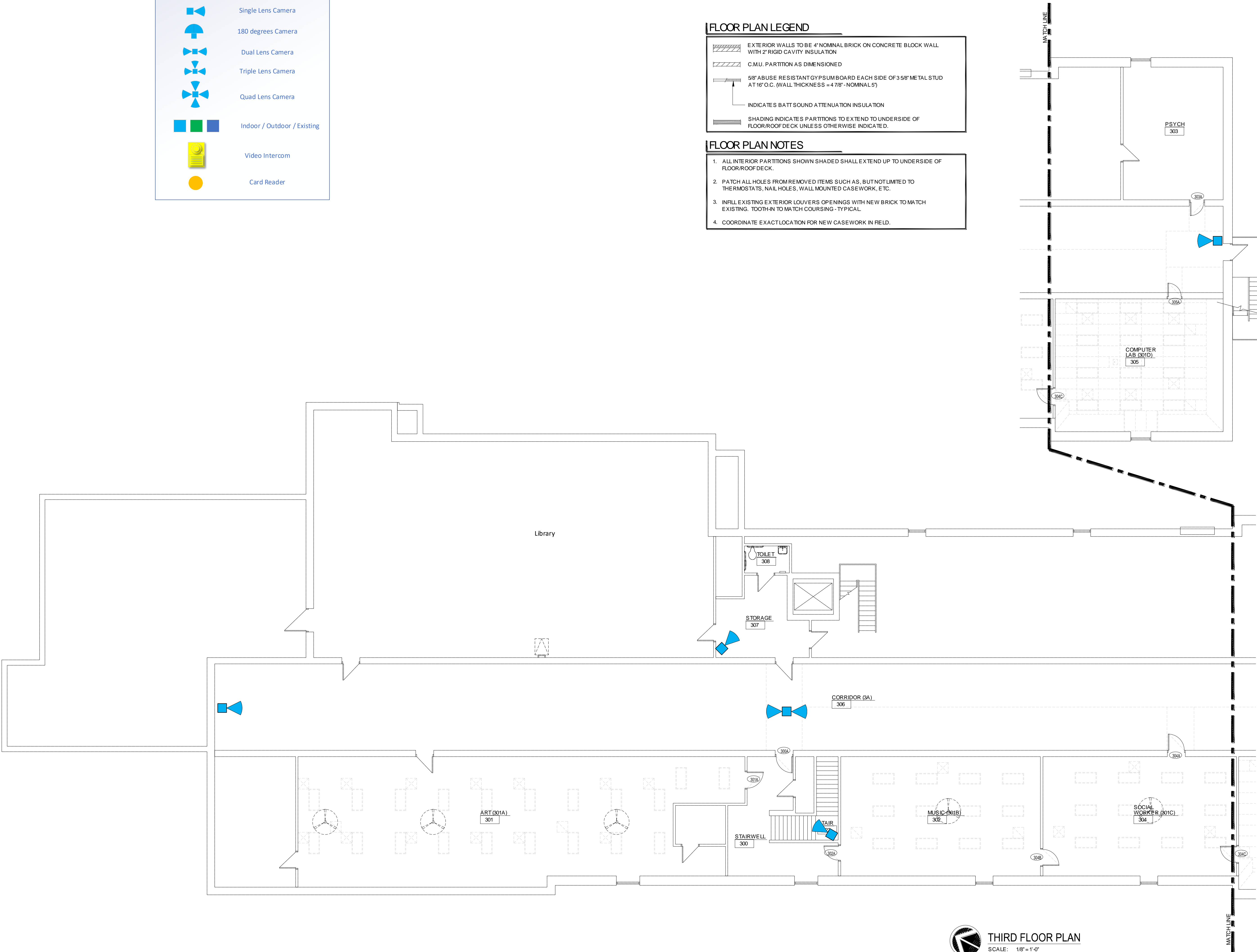
 5/8" ABUSE RESISTANT GYPSUM BOARD EACH SIDE OF 3 5/8" METAL STUD AT 16" O.C. (WALL THICKNESS = 4 7/8" - NOMINAL 5")

 INDICATES BATT SOUND ATTENUATION INSULATION

 SHADING INDICATES PARTITIONS TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK UNLESS OTHERWISE INDICATED.

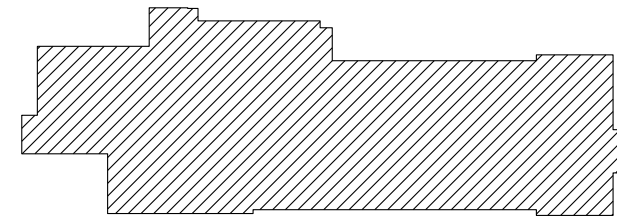
FLOOR PLAN NOTES

1. ALL INTERIOR PARTITIONS SHOWN SHADED SHALL EXTEND UP TO UNDERSIDE OF FLOOR/ROOF DECK.
2. PATCH ALL HOLES FROM REMOVED ITEMS SUCH AS, BUT NOT LIMITED TO THERMOSTATS, NAIL HOLES, WALL MOUNTED CASEWORK, ETC.
3. INFILL EXISTING EXTERIOR LOUVERS OPENINGS WITH NEW BRICK TO MATCH EXISTING. TOOTH-IN TO MATCH COURSING - TYPICAL.
4. COORDINATE EXACT LOCATION FOR NEW CASEWORK IN FIELD.



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

KEY PLAN



ISSUE DATE

07/22/20

ISSUED FOR

DESIGN DEVELOPMENT

DRAWN

CPM

CHECKED

CPM

APPROVED

PAC



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PROJECT

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PUBLIC SCHOOLS
RICHARDS
RENOVATIONS

GROSSE POINTE FARMS
MICHIGAN

SHEET







THIRD FLOOR PLAN

PROJECT NUMBER

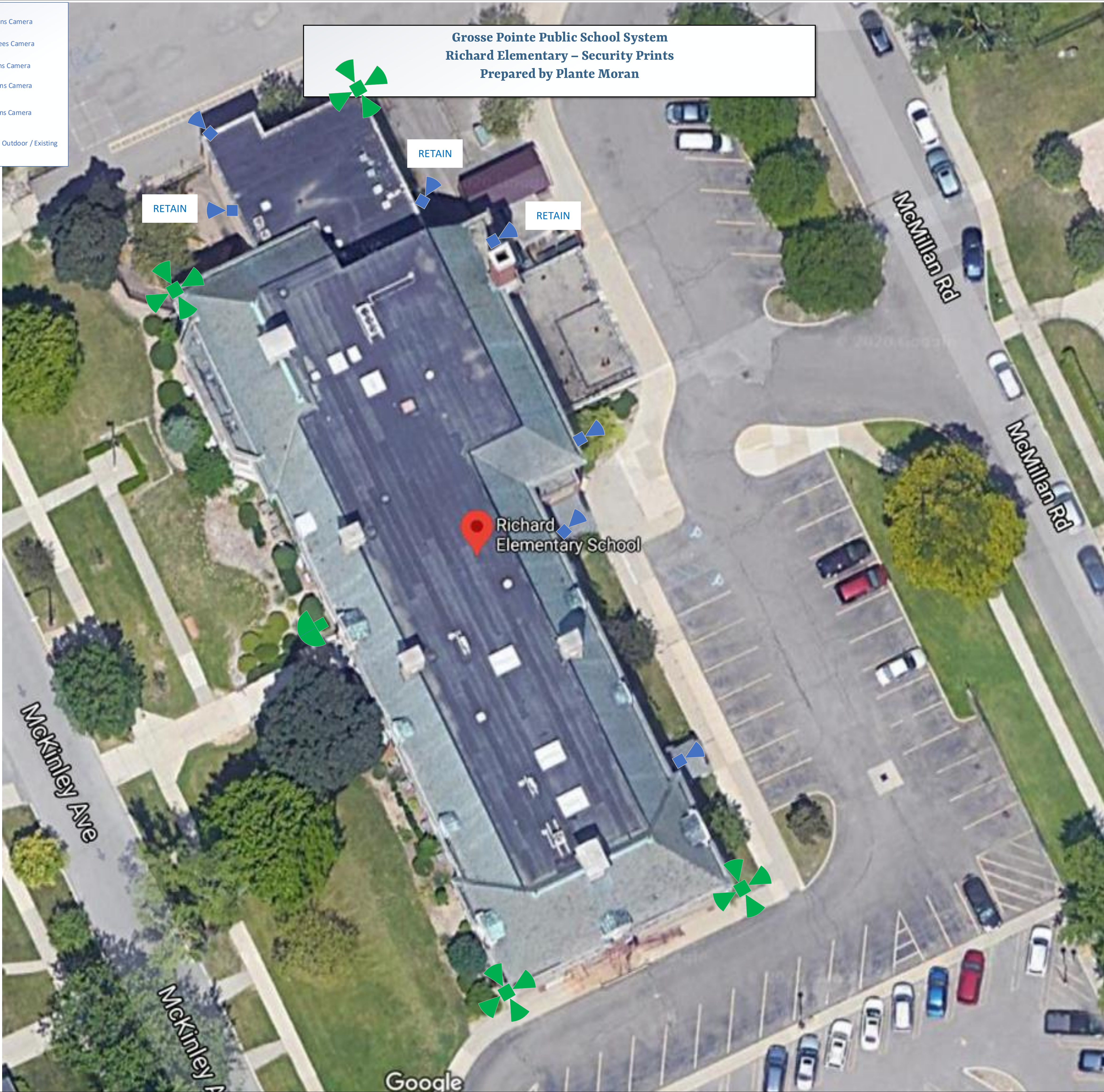
2019-029

SHEET NUMBER

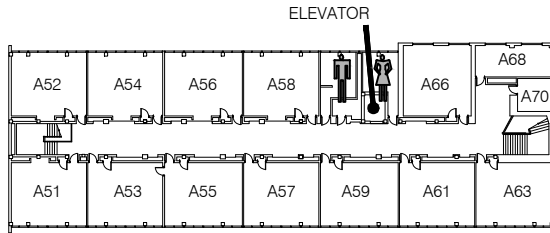
A2.03

	Single Lens Camera
	180 degrees Camera
	Dual Lens Camera
	Triple Lens Camera
	Quad Lens Camera
	Indoor / Outdoor / Existing

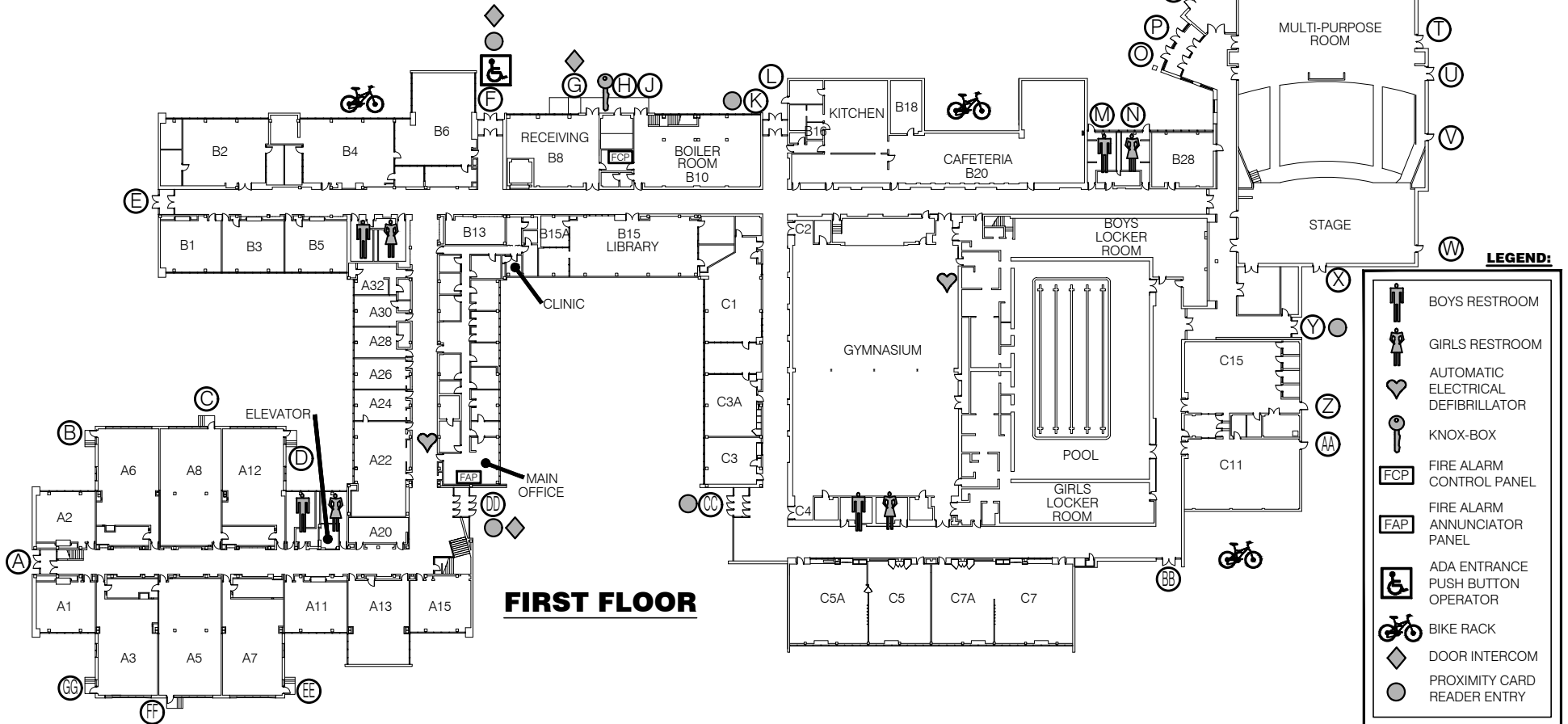

Grosse Pointe Public School System
Richard Elementary – Security Prints
Prepared by Plante Moran



Existing Door Access Control Placements













SECOND FLOOR



FIRST FLOOR

LEGEND:

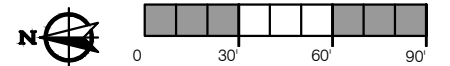
-  BOYS RESTROOM
-  GIRLS RESTROOM
-  AUTOMATIC ELECTRICAL DEFIBRILLATOR
-  KNOX-BOX
-  FIRE ALARM CONTROL PANEL
-  FIRE ALARM ANNUNCIATOR PANEL
-  ADA ENTRANCE PUSH BUTTON OPERATOR
-  BIKE RACK
-  DOOR INTERCOM
-  PROXIMITY CARD READER ENTRY

Brownell Middle School

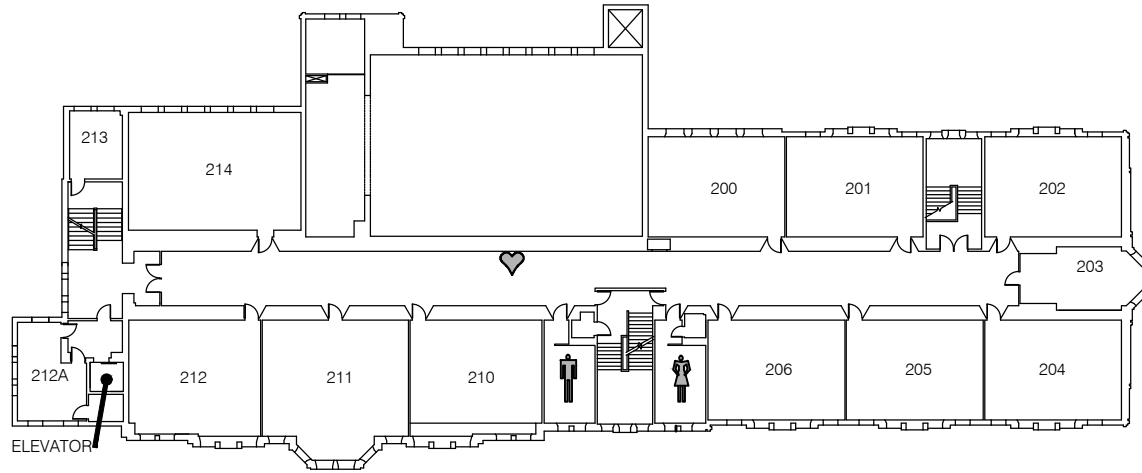
260 Chalfonte
Grosse Pointe Farms MI 48236
313.432.3900



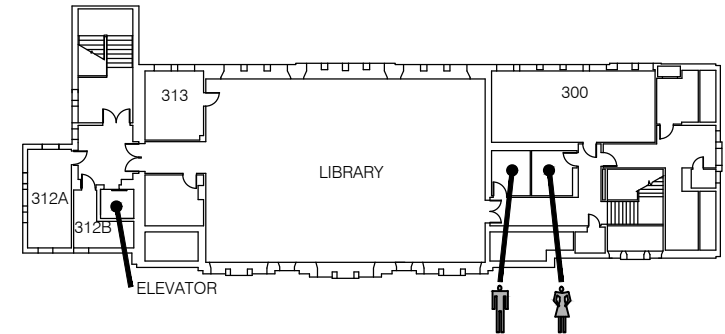
DATE: NOV. 2019



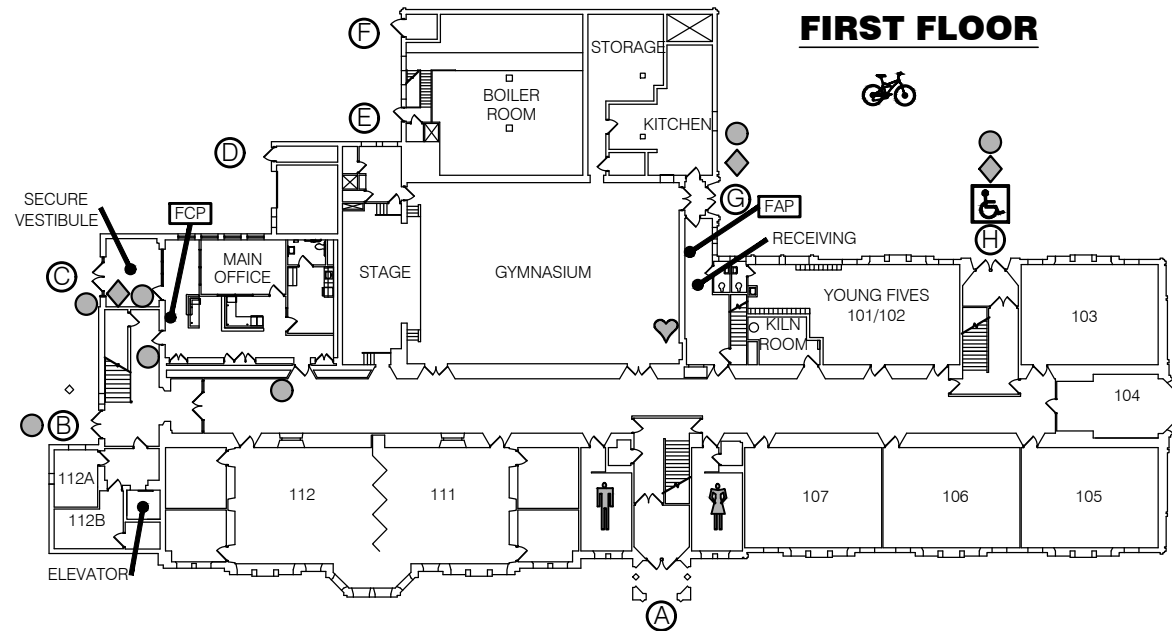
SECOND FLOOR













THIRD FLOOR



FIRST FLOOR



LEGEND:

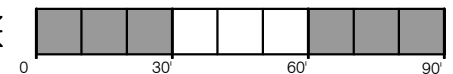
- | | |
|---|--|
|  | BOYS RESTROOM |
|  | GIRLS RESTROOM |
|  | AUTOMATIC
ELECTRICAL
DEFIBRILLATOR |
|  | KNOX-BOX |
|  | FIRE ALARM
CONTROL PANEL |
|  | FIRE ALARM
ANNUNCIATOR
PANEL |
|  | ADA ENTRANCE
PUSH BUTTON
OPERATOR |
|  | BIKE RACKS |
|  | DOOR INTERCOM |
|  | PROXIMITY CARD
READER ENTRY |

Maire Elementary School

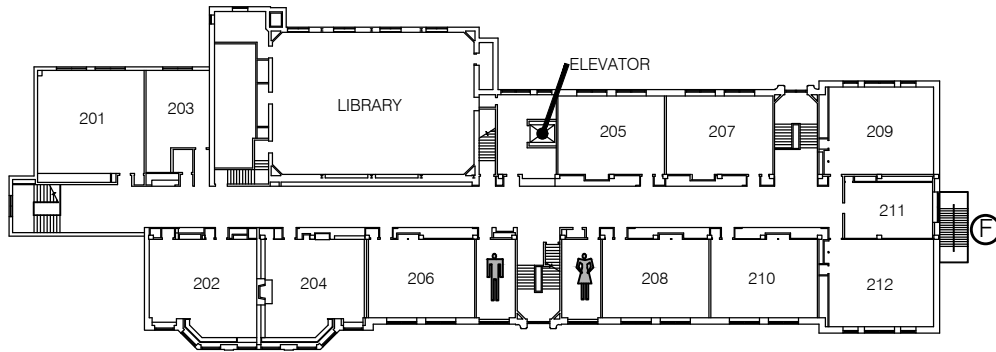
740 Cadieux
Grosse Pointe, MI 48230
313.432.4300



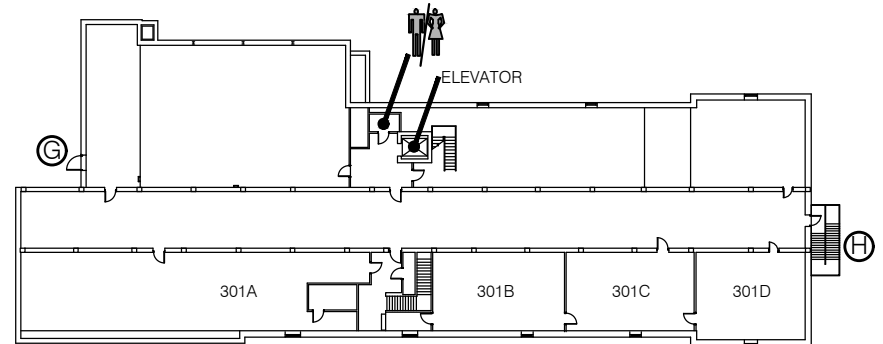
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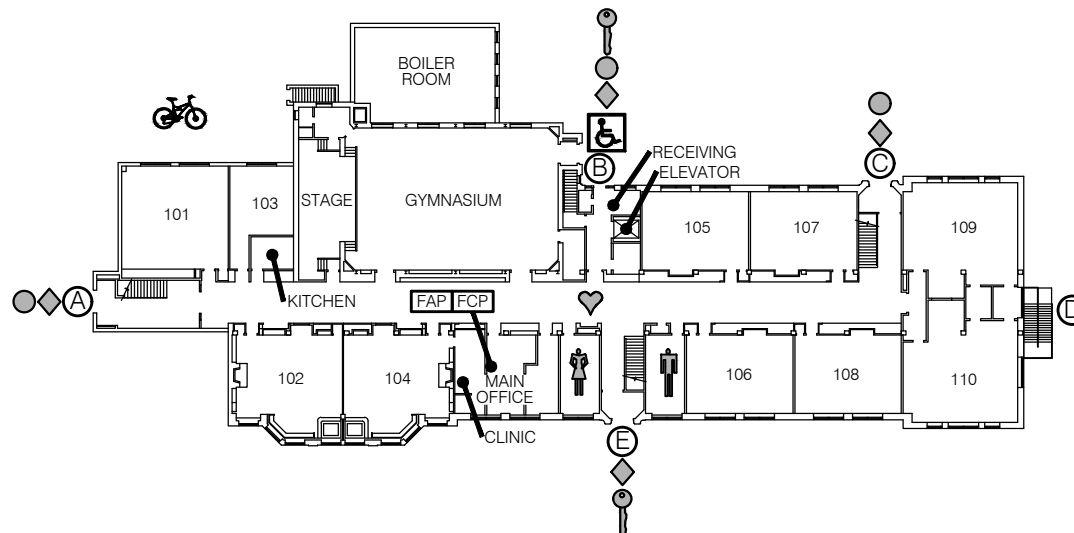
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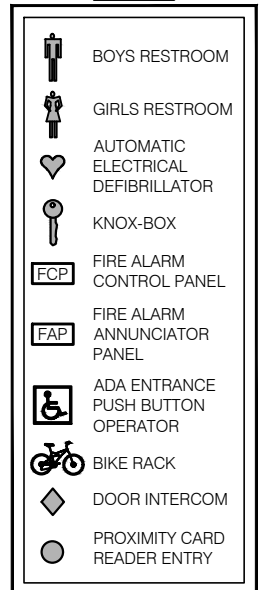
THIRD FLOOR



FIRST FLOOR



LEGEND:



Richard Elementary School

176 McKinley
Grosse Pointe Farms, MI 48236
313.432.4900

EHRESMAN
ARCHITECTS

DATE: NOV. 2019

