Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH

Joint Building Committee:
Robert Carrier, Chairperson
Jason Gagnon, City Councilor
Sarah Greenshields, City Councilor
Amanda Russell, School Board Representative
Matthew Severson PE, School Citizen Representative
Mark Guether, City Citizen Representative

Dover School/CTC District Participants:
Elaine Arbour, Superintendent, Dover Public Schools
Peter Driscoll, Principal, Dover HS & Career Technical Center
Louise Paradis, Director, Career Technical Center
Libby Simmons, Business Administrator, Dover Public Schools
Jeffrey White, Facilities Director

HMFH Architects, Inc. / Architect
Halvorson Design Partnership, Inc / Landscape Architect
Nobis Engineering / Civil Engineering
Foley, Buhl, Roberts Associates, Inc. / Structural Engineers
Garcia, Galuska & DeSousa Consulting Engineers, Inc. / MEP, FP Engineers
Kalin Associates, Inc. / Specifications Consultant
McPhail Associates, LLC / Geotechnical & Geoenvironmental Engineers
Crabtree McGrath Associates, Inc./ Food Service & Equipment Consultants
Cavanaugh Tocci Associates, Inc. / Acoustical & Theatrical Consultants

PC Construction Company / Construction Manager

100% CONFORMED SET - FOR CONSTRUCTION CONSTRUCTION SET
September 12th, 2016

The 100% Conformed Set - For Construction drawings are a compilation of the original August 12, 2016 100% Construction Documents, published Addenda’s A & B, and other specific changes communicated by PC Construction during the bidding period. These conformed drawings were prepared for convenience only. The completeness and/or accuracy of the information is not guaranteed; any inconsistencies found do not alter the Contract Documents which consist of 100% Construction Documents dated 8/12/2016, published addenda’s A & B, and specific changes communicated by PC Construction during bidding period.
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**LIGHTING FIXTURE SCHEDULE NOTES (5)**

"LIGHTING FIXTURE SCHEDULE" SHALL SERVE TO ESTABLISH THE DOCUMENTATION AND COORDINATE WITH THE UTILITY COMPANY.

**LIGHTING GENERAL NOTES**

1. PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE CONTINUOUS RUNS IN INDEPENDENT OF HUNG CEILINGS. DO NOT TAP METAL ROOF DECK.
2. PROVIDE FIXTURES AS SHOWN IN THE CATALOG NUMBER BUT ARE REQUIRED ARE NOT INDICATED IN THE CATALOG NUMBER BUT ARE REQUIRED.
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1. GENERATOR PAD DETAIL

2. SEPARATELY DERIVED GENERATOR SYSTEM

3. OIL CONTAINMENT DETAIL

4. PRIMARY MANHOLE PMH-8

5. PRIMARY DUCT BANK SECTION "H-H"

6. TEL & CATV DUCT BANK SECTION "G-G"

7. ELECTRICAL COURTYARD PLAN

8. ANIMAL SCIENCE DUCT BANK SECTION "I-I"

NOTE: 1. CONCRETE - 5,000 P.S.I. MIN. STRENGTH @ 28 DAYS.
2. STEEL REINFORCEMENT - ASTM A615, GRADE 60.
3. TEL & CATV DUCT BANKS MUST BE DEEPENED TO PROPER DEPTH AS SHOWN OR AS SHOWN ON APPR. DSB.
4. PRIMARY MANHOLE MUST BE COVERED WITH MIN. 1" MINIMUM SEASONING AS SHOWN OR AS SHOWN ON APPR. DSB.
5. PRIMARY DUCT BANKS MUST BE COVERED WITH MIN. 1" MINIMUM SEASONING AS SHOWN OR AS SHOWN ON APPR. DSB.
6. ELECTRICAL COURTYARD MUST BE COVERED WITH MIN. 1" MINIMUM SEASONING AS SHOWN OR AS SHOWN ON APPR. DSB.
7. ANIMAL SCIENCE DUCT BANKS MUST BE COVERED WITH MIN. 1" MINIMUM SEASONING AS SHOWN OR AS SHOWN ON APPR. DSB.
TR1
PMH
TR2
XM
PME
E0.6
TO UTILITY COMPANY POWER POLE MOUNTED FUSE
FUSED CUT OUT ON POLE BY UTILITY COMPANY
S&C MODEL PME-12 (10KV)
LA
15kV SPLICES (10KV)
LA
(10KV)
LA
(10KV)
LA
PRIMARY POLE BY UTILITY COMPANY
PRIMARY VOLTAGE ONE LINE RISER DIAGRAM
SCALE: N.T.S.

EXISTING TRANSFORMER 300 KVA
EXISTING FEEDER FOR FIELD LIGHTING TO REMAIN.
TRANSFORMER BY UTILITY CO. 2000 KVA 5.75 %Z
SEE ELECTRICAL ONE-LINE RISER DIAGRAM ON DRAWING E3.1 FOR CONTINUATION AND WIRING REQUIREMENTS.
TRANSFORMER BY UTILITY CO. 150 KVA 5.75 %Z

3#500KCMIL, 15KV IN 5"C.
50T
3"C SPARE
3"C, SPARE
4"C, SPARE
4"C, SPARE
12.47KV TO 120/208, 3∅, 4W

EXISTING SECONDARY FEEDER TO ALTERNATIVE SCHOOL CUT AND PULL BACK EXISTING 4#500KCMIL+1#3G. WHILE DUCT BANK IS INTERCEPTED LEAVE ENOUGH SLACK TO TERMINATE ON SECONDARY OF NEW PAD MOUNT TRANSFORMER
INTERCEPT EXISTING UNDERGROUND DUCT-BANK AND EXTEND INTO NEW PRIMARY MANHOLE
3#1/0 EPR, 15KV IN 4"C
4/0 BARE COPPER GROUND
WT. VARIABLE
7'-3" I.D.
1"-4"
TERMADUCTS
1'-4"
3'-10"
1'-4"
3'-10"
2 1/2"
7'-3"
KNOCKOUTS
6'-6" I.D.
1'-4"
4'-0" I.D.
6'-6"
2 1/2"
1'-2 1/2"

LOCATE OUTSIDE OF PAD
3/4" x 10' GROUND ROD
PROVIDE SEALANT AROUND PENETRATION AT COPPER GROUND WIRE
NOTE: VERIFY PAD FOUNDATION DIMENSIONS WITH EQUIPMENT MANUFACTURER AND APPROVED SHOP DWG.

PRIMARY SWITCH FOUNDATION DETAIL
PRIMARY SWITCH FOUNDATION PAD
SCALE: N.T.S.

CUT AND PULL BACK EXISTING CONDUCTORS WHILE DUCT BACK IS INTERCEPTED LEAVE ENOUGH SLACK TO PULL INTO NEW MANHOLE AND SPLICE THE EXISTING 15KV CABLE TO NEW PRIMARY 15KV CABLE.
12.47KV TO 277/480V, 3∅, 4W
3#1/0 EPR, 15KV IN 4"C

SEE FOR PRIMARY SWITCH

Dover HS / CTC
PRIMARY VOLTAGE SITE DISTRIBUTION RISER DIAGRAM
Copyright HMFH Architects, Inc.
370 Faunce Corner Road, Dartmouth, MA
CONSULTING ENGINEERS INC.
GARCIA GALUSKA DESOUSA
508 - 998 - 5700 FAX 508 - 998 - 0883 E-MAIL info@g-gd.com
02747 - 1271
Dover, NH
9/9/2016 2:33:40 PM C:\Users\Mark_Bibby\Documents\Dover HS_CENTRAL_Electrical_MarkBibby.rvt
100% CONFORMED SET - FOR CONSTRUCTION 9/12/16
GENERAL LIGHTING NOTES:

2. WIRING AND CONDUIT OR MC CABLE SHALL BE REQUIRED BETWEEN ALL LIGHTING FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. IT IS THE INTENT OF THESE DOCUMENTS AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.

5. METAL ROOF DECKS SHALL NOT BE TAPPED FOR SUPPORT OF ANY LIGHTING FIXTURES OR SUPPORT OF ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.

8. INDIRECT AND DIRECT/INDIRECT FIXTURES SHALL BE SUSPENDED WITH AIRCRAFT CABLE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO COMMENCING WITH FIXTURE INSTALLATIONS.

9. FIXTURES ON PLANS SHALL BE PROVIDED WITH 0-10V DIMMING DRIVER(S) OR LIGHT BE CONSTRUCTED OF STAINLESS STEEL AND/OR MARINE GRADE ALUMINUM SUITABLE FOR COASTAL ENVIRONMENT APPLICATION. PAINTED FINISHES SHALL HAVE PASSED A MINIMUM 5,000 HOUR SALT SPRAY TEST.
GENERAL LIGHTING NOTES:

1. All electrical conduit, raceway, or MC cable shall be required between all lighting fixtures.

2. All conduit or raceway shall be run in accordance with the manufacturer’s recommendations for each individual fixture.

3. All conduit or raceways shall be pulled in accordance with the manufacturer’s recommendations for each individual fixture.

4. All conduit or raceways shall be pulled in accordance with the manufacturer’s recommendations for each individual fixture.

5. All conduit or raceways shall be pulled in accordance with the manufacturer’s recommendations for each individual fixture.

6. All conduit or raceways shall be pulled in accordance with the manufacturer’s recommendations for each individual fixture.

7. All conduit or raceways shall be pulled in accordance with the manufacturer’s recommendations for each individual fixture.

8. All conduit or raceways shall be pulled in accordance with the manufacturer’s recommendations for each individual fixture.

9. Fixtures on plans shall be provided with 0-10V dimming drivers or light sensors as required for LED sources specified to be controlled via a 0-10V minimum 5,000 hour salt spray test.

10. Fixtures on plans shall be provided with 0-10V dimming drivers or light sensors as required for LED sources specified to be controlled via a 0-10V minimum 5,000 hour salt spray test.

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19. Fixtures on plans shall be provided with 0-10V dimming drivers or light sensors as required for LED sources specified to be controlled via a 0-10V minimum 5,000 hour salt spray test.

20. Fixtures on plans shall be provided with 0-10V dimming drivers or light sensors as required for LED sources specified to be controlled via a 0-10V minimum 5,000 hour salt spray test.
1. EXACT LOCATIONS OF ALL FIXTURES AND DEVICES SHALL BE FULLY COORDINATED WITH
   ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO COMMENCING WITH FIXTURE
   DIAGRAM" AND SPECIFICATIONS FOR DETAILED LIGHTING CONTROL REQUIREMENTS.

2. UTILITIES SHALL NOT PENETRATE STAIR ENCLOSURES, ELEVATOR SHAFTS, AND MACHINE
   FIXTURES, SWITCHES, DIMMERS, SENSORS, POWER PACKS, RELAYS, AND OTHER
   INSTALLATIONS.

3. ALL EXTERIOR EQUIPMENT, FIXTURES, AND DEVICES SHALL BE RATED IP65 (MINIMUM) AND
   THAT A COMPLETE BRANCH CIRCUIT AND CONTROL WIRING SYSTEM BE INSTALLED.

4. FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. IT IS THE INTENT OF THESE DOCUMENTS
   TO PROVIDE A MINIMUM CLEARANCE 18" FROM THE CEILING TO TOP OF EACH FIXTURE.

5. COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR EACH INDIVIDUAL
   INSTALLATIONS.

6. ALL EXPOSED CONDUITS, RACEWAYS, WIREWAYS, BOXES, FITTINGS AND SIMILAR

7. ALL OCCUPANCY AND DAYLIGHT HARVESTING PHOTOSENSORS SHALL BE LOCATED IN

8. THAT A COMPLETE BRANCH CIRCUIT AND CONTROL WIRING SYSTEM BE INSTALLED.

9. GENERAL LIGHTING NOTES:

10. FIXTURES, SWITCHES, DIMMERS, SENSORS, POWER PACKS, RELAYS, AND OTHER

11. FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. IT IS THE INTENT OF THESE DOCUMENTS

12. TO PROVIDE A MINIMUM CLEARANCE 18" FROM THE CEILING TO TOP OF EACH FIXTURE.

13. GENERAL LIGHTING NOTES:

14. FIXTURES, SWITCHES, DIMMERS, SENSORS, POWER PACKS, RELAYS, AND OTHER

15. FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. IT IS THE INTENT OF THESE DOCUMENTS

16. TO PROVIDE A MINIMUM CLEARANCE 18" FROM THE CEILING TO TOP OF EACH FIXTURE.

17. GENERAL LIGHTING NOTES:

18. FIXTURES, SWITCHES, DIMMERS, SENSORS, POWER PACKS, RELAYS, AND OTHER

19. FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. IT IS THE INTENT OF THESE DOCUMENTS

20. TO PROVIDE A MINIMUM CLEARANCE 18" FROM THE CEILING TO TOP OF EACH FIXTURE.
GENERAL LIGHTING NOTES:

1. EXACT LOCATIONS OF ALL FIXTURES AND DEVICES SHALL BE FULLY COORDINATED WITH ARCHITECTURAL PLANS, ELEVATIONS, SECTIONS AND THE WORK OF OTHER TRADES PRIOR TO ROUGH-IN.

2. WIRING AND CONDUIT OR MC CABLE SHALL BE REQUIRED BETWEEN ALL LIGHTING FIXTURES, SWITCHES, DIMMERS, SENSORS, POWER PACKS, RELAYS, AND OTHER AUXILIARY DEVICES. WIRING AND CONDUIT OR MC CABLE IS SHOWN ON DRAWINGS ONLY AS REQUIRED TO FULLY UNDERSTAND THE CONDITIONS OF EACH SPACE.

3. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER MINIMUM #12 AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.

4. UTILITIES SHALL NOT PENETRATE STAIR ENCLOSURES, ELEVATOR SHAFTS, AND MACHINE ROOMS EXCEPT WHERE SPECIFICALLY SERVING THAT STAIR OR ELEVATOR.

5. METAL ROOF DECKS SHALL NOT BE TAPPED FOR SUPPORT OF ANY LIGHTING FIXTURES OR FITTINGS TO BE ATTACHED TO BUILDING STRUCTURAL FRAMING AS REQUIRED FOR SUPPORT OF ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.

6. FIXTURES MUST BE DESIGNED TO RECEIVE DIRECT, INDIRECT, OR COMBINED DIRECT/INDIRECT LIGHTING. FIXTURES ON PLANS SHALL BE PROVIDED WITH 0-10V DIMMING DRIVER(S) OR LIGHT CONTROL(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SYSTEM OR OTHER CONTROLS.

7. ALL OCCUPANCY AND DAYLIGHT HARVESTING PHOTOSENSORS SHALL BE LOCATED IN COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR EACH INDIVIDUAL SPACE. E.C. SHALL PROVIDE A CEILING PLAN LOCATING ALL SENSORS WHICH HAS BEEN REQUIRED TO FULLY UNDERSTAND THE CONDITIONS OF EACH SPACE.

8. INDIRECT AND DIRECT/INDIRECT FIXTURES SHALL BE SUSPENDED WITH AIRCRAFT CABLE TO PROVIDE A MINIMUM CLEARANCE 18" FROM THE CEILING TO TOP OF EACH FIXTURE.

9. FIXTURES ON PLANS SHALL BE PROVIDED WITH 0-10V DIMMING DRIVER(S) OR LIGHT CONTROL(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SYSTEM OR OTHER CONTROLS.

10. VISUAL LIGHTING REQUIREMENTS SHALL BE DETERMINED BY INSTRUCTION ALONG WITH THE CONTRACT DOCUMENTS. INFORMATION RELATING TO LIGHTING IN THIS AREA SEE "DIAGRAM" AND SPECIFICATIONS FOR DETAILED LIGHTING CONTROL REQUIREMENTS.

11. ALL EXTERIOR EQUIPMENT, FIXTURES, AND DEVICES SHALL BE RATED IP65 (MINIMUM) AND FOR LIGHTING IN THIS AREA SEE "DIAGRAM" AND SPECIFICATIONS FOR DETAILED LIGHTING CONTROL REQUIREMENTS.

12. ALL EXIT SIGNS SHOWN ON THIS SHEET SHALL BE CIRCUITED TO PANEL "ELPGA" CIRCUIT NUMBER "24".

13. LIGHTING INSTALLATION TO BE COORDINATED WITH AND EXCLUDING ELECTRICAL INSTALLATION, EXCEPT AS NOTED ON DRAWINGS.

14. LIGHTING INSTALLATION TO BE COORDINATED WITH AND EXCLUDING ELECTRICAL INSTALLATION, EXCEPT AS NOTED ON DRAWINGS.

15. LIGHTING INSTALLATION TO BE COORDINATED WITH AND EXCLUDING ELECTRICAL INSTALLATION, EXCEPT AS NOTED ON DRAWINGS.

16. THAT A COMPLETE BRANCH CIRCUIT AND CONTROL WIRING SYSTEM BE INSTALLED.

17. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER MINIMUM #12 AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.

18. VISUAL LIGHTING REQUIREMENTS SHALL BE DETERMINED BY INSTRUCTION ALONG WITH THE CONTRACT DOCUMENTS. INFORMATION RELATING TO LIGHTING IN THIS AREA SEE "DIAGRAM" AND SPECIFICATIONS FOR DETAILED LIGHTING CONTROL REQUIREMENTS.
GENERAL LIGHTING NOTES:

1. Exact locations of all fixtures and devices shall be fully coordinated with the work of other trades for final review and approval. All branch circuit conductors shall be 98% conductivity, copper minimum.#12 AWG size, THWN/THHN insulation, 600 volts rated unless otherwise noted.

2. All exterior equipment, fixtures, and devices shall be rated IP65 (minimum) and be constructed of stainless steel and/or marine grade aluminum suitable for coastal environment application. Painted finishes shall have passed a minimum 5,000 hour salt spray test.

3. All branch circuit conductors shall be 98% conductivity, copper minimum #12 AWG size, THWN/THHN insulation, 600 volts rated unless otherwise noted.

4. Metal roof decks shall not be tapped for support of any lighting fixture or electrical equipment. Provide Unistrut or other supplemental support of all lighting fixtures and electrical equipment.

5. Painted finishes shall have passed a minimum 5,000 hour salt spray test.

6. All exposed conduits, raceways, wireways, boxes, fittings and similar components shall be painted to match surrounding finish with equal type product(s).

7. All occupancy and daylight harvesting photoensors shall be located in full compliance with the manufacturer's recommendations for each individual application.

8. Indirect and direct/indirect fixtures shall be suspended with aircraft cable installations.

9. Fixtures on plans shall be provided with 0-10V dimming driver(s) or light engines for signal from the ALCS, day lighting harvesting photo sensors, theatrical dimming.

10. Refer to "Automated Lighting Control System (ALCS) - Typical One Line Diagram" and specifications for detailed lighting control requirements.

11. All exterior equipment, fixtures, and devices shall be rated IP65 (minimum) and be constructed of stainless steel and/or marine grade aluminum suitable for coastal environment application. Painted finishes shall have passed a minimum 5,000 hour salt spray test.
GENERAL LIGHTING NOTES:

FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. IT IS THE INTENT OF THESE DOCUMENTS TO DIAGRAM AND SPECIFICATIONS FOR DETAILED LIGHTING CONTROL REQUIREMENTS.

ALL EXIT SIGNS SHOWN ON THIS SHEET SHALL BE CIRCUITED TO PANEL "ELP1D" CIRCUIT NUMBER "18".

ALL OCCUPANCY AND DAYLIGHT HARVESTING PHOTOSENSORS SHALL BE LOCATED IN FULLY COORDINATED WITH THE WORK OF OTHER TRADES FOR FINAL REVIEW AND APPROVAL. E.C. SHALL PROVIDE THE SENSOR VENDOR(S) WITH ALL INFORMATION NECESSARY FOR LIGHTING IN THIS AREA REFER TO THE ARCHITECTURAL PLANS, ELEVATIONS, SECTIONS AND THE WORK OF OTHER TRADES FOR LIGHTING IN THIS AREA.

UTILITIES SHALL NOT PENETRATE STAIR ENCLOSURES, ELEVATOR SHAFTS, AND MACHINE ROOMS EXCEPT WHERE SPECIFICALLY SERVING THAT STAIR OR ELEVATOR.

ARCHITECTURAL PLANS, ELEVATIONS, SECTIONS AND THE WORK OF OTHER TRADES FOR LIGHTING IN THIS AREA.

ALL EXPOSED CONDUITS, RACEWAYS, WIREWAYS, BOXES, FITTINGS AND SIMILAR ELECTRICAL EQUIPMENT. PROVIDE UNISTRUT OR OTHER SUPPLEMENTAL SUPPORT FOR LIGHTING IN THIS AREA.

MINIMUM 5,000 HOUR SALT SPRAY TEST.

BUILDING CONSTRUCTION CR

E. C. SHALL PROVIDE A CEILING PLAN LOCATING ALL SENSORS WHICH HAS BEEN APPROVED. E.C. SHALL PROVIDE THE SENSOR VENDOR(S) WITH ALL INFORMATION NECESSARY FOR LIGHTING IN THIS AREA.

ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING ENGINE(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V SIGNAL FROM THE ALCS, DAYLIGHT HARVESTING PHOTOSENSORS, THEATRICAL DIMMING
FITTINGS TO BE ATTACHED TO BUILDING STRUCTURAL FRAMING AS REQUIRED FOR SUPPORT OF ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.

FULLY COORDINATED WITH THE WORK OF OTHER TRADES FOR FINAL REVIEW AND REQUIRED TO FULLY UNDERSTAND THE CONDITIONS OF EACH SPACE.

GENERAL LIGHTING NOTES:

1. FITTINGS TO BE ATTACHED TO BUILDING STRUCTURAL FRAMING AS REQUIRED FOR SUPPORT OF ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT

2. WIRING AND CONDUIT OR MCCABLE SHALL BE REQUIRED BETWEEN ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.

3. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER MINIMUM #12 AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.

4. UTILITIES SHALL NOT PENETRATE STAIR ENCLOSURES, ELEVATOR SHAFTS, AND MACHINE ROOMS

5. ALL OCCUPANCY AND DAYLIGHT HARVESTING PHOTOSENSORS SHALL BE LOCATED IN THE LINE OF SIGHT TO THE LIGHT SOURCE.

6. ALL EXPOSED CONDUITS, RACEWAYS, WIREWAYS, BOXES, FITTINGS AND SIMILAR COMPONENTS SHALL BE PAINTED TO MATCH SURROUNDING FINISH WITH EQUAL TYPE.

7. PHOTOVOLTAIC PANELS SHALL BE MOUNTED ON THE EXTERIOR WALLS AS REQUIRED TO MAXIMIZE THE AMOUNT OF AVAILABLE LIGHT.

8. INDIRECT AND DIRECT/INDIRECT FIXTURES SHALL BE SUSPENDED WITH AIRCRAFT CABLE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO COMMENCING WITH FIXTURE INSTALLATION.

9. INDOOR LIGHTING FIXTURES SHALL BE FEATURING ADJUSTABLE SHADE AND SHADE REVERSAL CAPABILITY.

10. LIGHTING FIXTURES SHALL BE INSTALLED IN THE LINE OF SIGHT TO THE LIGHT SOURCE.

11. LIGHTING FIXTURES SHALL BE INSTALLED TO THE CEILING OR WALL AS REQUIRED.

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30. LIGHTING FIXTURES SHALL BE INSTALLED TO THE CEILING OR WALL AS REQUIRED.
FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT AND CONTROL WIRING SYSTEM BE INSTALLED.

5. METAL ROOF DECKS SHALL NOT BE TAPPED FOR SUPPORT OF ANY LIGHTING FIXTURES OR ELECTRICAL EQUIPMENT. PROVIDE UNISTRUT OR OTHER SUPPLEMENTAL SUPPORT REQUIRED TO FULLY UNDERSTAND THE CONDITIONS OF EACH SPACE.

6. ALL EXPOSED CONDUITS, RACEWAYS, WIREWAYS, BOXES, FITTINGS AND SIMILAR PRODUCT(S). BE CONSTRUCTED OF STAINLESS STEEL AND/OR MARINE GRADE ALUMINUM SUITABLE MINIMUM 5,000 HOUR SALT SPRAY TEST.

7. ALL OCCUPANCY AND DAYLIGHT HARVESTING PHOTOSENSORS SHALL BE LOCATED IN COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR EACH INDIVIDUAL LIGHTING SYSTEM OR OTHER CONTROLS.

8. INDIRECT AND DIRECT/INDIRECT FIXTURES SHALL BE SUSPENDED WITH AIRCRAFT CABLE.

10. REFER TO "AUTOMATED LIGHTING CONTROL SYSTEM (ALCS) - TYPICAL ONE LINE DIAGRAM" AND SPECIFICATIONS FOR DETAILED LIGHTING CONTROL REQUIREMENTS.
2. Wiring and conduit or MC cable shall be required between all lighting fixtures.

3. All branch circuit conductors shall be 98% conductivity, copper minimum #12 AWG size, THWN/THHN insulation, 600 volts rated unless otherwise noted.

4. Utilities shall not penetrate stair enclosures, elevator shafts, and machine rooms.

5. Metal roof decks shall not be tapped for support of any lighting fixtures or electrical equipment. Provide Unistrut or other supplemental support fittings to be attached to building structural framing as required for support of all lighting fixtures and electrical equipment.

6. All exposed conduits, raceways, wireways, boxes, fittings and similar shall be metal, UL approved, and shall be run in accordance with National Electrical Code (NEC) and local authority codes.

7. All occupancy and daylight harvesting photo sensors shall be located in accordance with the lighting plans.

8. Indirect and direct/indirect fixtures shall be suspended with aircraft cable for specific routes or special conditions. It is the intent of these documents to provide a minimum clearance 18" from the ceiling to top of each fixture.

9. Fixtures on plans shall be provided with 0-10V dimming driver(s) or light control system or other controls depending on the application.

10. Refer to "Automated Lighting Control System (ALCS) - Typical One Line Diagram" and specifications for detailed lighting control requirements.

FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE A MINIMUM CLEARANCE 18" FROM THE CEILING TO TOP OF EACH FIXTURE.

E.C. shall provide the sensor vendor(s) with all information required to fully understand the conditions of each space.

Exception: All exit signs shown on this sheet shall be circuited to panel "ELP2A" circuit number "21."
GENERAL LIGHTING NOTES:

1. FITTINGS TO BE ATTACHED TO BUILDING STRUCTURAL FRAMING AS REQUIRED FOR COMPONENTS SHALL BE PAINTED TO MATCH SURROUNDING FINISH WITH EQUAL TYPE.

2. INDIRECT AND DIRECT/INDIRECT FIXTURES SHALL BE SUSPENDED WITH AIRCRAFT CABLE.

3. ALL EXPOSED CONDUITS, RACEWAYS, WIREWAYS, BOXES, FITTINGS AND SIMILAR TO PROVIDE A MINIMUM CLEARANCE 18" FROM THE CEILING TO TOP OF EACH FIXTURE.

4. METAL ROOF DECKS SHALL NOT BE TAPPED FOR SUPPORT OF ANY LIGHTING FIXTURES OR PRODUCT(S).

5. ALL OCCUPANCY AND DAYLIGHT HARVESTING PHOTOSENSORS SHALL BE LOCATED IN FULLY COORDINATED WITH THE WORK OF OTHER TRADES FOR FINAL REVIEW AND COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR EACH INDIVIDUAL.

6. ALL EXIT SIGNS SHOWN ON THIS SHEET SHALL BE CIRCUITED TO PANEL "ELP1D" CIRCUIT NUMBER "20".

7. INDIRECT AND DIRECT/INDIRECT FIXTURES SHALL BE SUSPENDED WITH AIRCRAFT CABLE.

8. FIXTURES ON PLANS SHALL BE PROVIDED WITH 0-10V DIMMING DRIVER(S) OR LIGHT SYSTEM OR OTHER CONTROLS.

9. REFER TO "AUTOMATED LIGHTING CONTROL SYSTEM (ALCS) - TYPICAL ONE LINE DIAGRAM" AND SPECIFICATIONS FOR DETAILED LIGHTING CONTROL REQUIREMENTS.

10. ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO COMMENCING WITH FIXTURE INSTALLATION.

11. ALL EXTERIOR EQUIPMENT, FIXTURES, AND DEVICES SHALL BE RATED IP65 (MINIMUM) AND 100% CONFORMED SET - FOR CONSTRUCTION 9/12/16.
1. Metal roof decks shall not be tapped for support of any lighting fixtures or fittings to be attached to building structural framing as required for components shall be painted to match surrounding finish with equal type.

2. Utilities shall not penetrate stair enclosures, elevator shafts, and machine space.

3. All branch circuit conductors shall be 98% conductivity, copper minimum #12 space.

4. Electrical equipment. Provide Unistrut or other supplemental support fully coordinated with the work of other trades for final review and attention of the architect and engineer prior to commencing with fixture and equipment installation.

5. Lighting control requirements. Diagram and specifications for detailed lighting control requirements.

6. Fixtures on plans shall be provided with 0-10V dimming driver(s) or light engine(s) as required for LED sources specified to be controlled via a 0-10V system or other controls.

7. All occupancy and daylight harvesting photo sensors shall be located in accordance with manufacturer's recommendations for each individual.

8. All exterior equipment, fixtures, and devices shall all be rated IP65 (minimum) and 5,000 hour salt spray test.

9. Exit signs shown on this sheet shall be cycled to panel "ELP1D" circuit number "22".

10. All exterior equipment, fixtures, and devices shall all be rated IP65 (minimum) and 5,000 hour salt spray test.
TO PROVIDE A MINIMUM CLEARANCE 18" FROM THE CEILING TO TOP OF EACH FIXTURE.

1. WIRING AND CONDUIT OR MCCABLE SHALL BE REQUIRED BETWEEN ALL LIGHTING FIXTURES. FITTINGS TO BE ATTACHED TO BUILDING STRUCTURAL FRAMING AS REQUIRED FOR PRODUCT(S).

2. UTILITIES SHALL NOT PENETRATE STAIR ENCLOSURES, ELEVATOR SHAFTS, AND MACHINE SUPPORT OF ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.

3. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER MINIMUM #12 AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.

4. UTILITIES SHALL NOT PENETRATE STAIR ENCLOSURES, ELEVATOR SHAFTS, AND MACHINE SUPPORT OF ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.

5. METAL ROOF DECKS SHALL NOT BE TAPPED FOR SUPPORT OF ANY LIGHTING FIXTURES OR FITTINGS TO BE ATTACHED TO BUILDING STRUCTURAL FRAMING AS REQUIRED FOR PRODUCT(S).

6. ALTERNATIVE LAMINATION FOR COASTAL ENVIRONMENT APPLICATION. PAINTED FINISH ES SHALL HAVE PASSED A MINIMUM 5,000 HOUR SALT SPRAY TEST.

7. ALL OCCUPANCY AND DAYLIGHT HARVESTING PHOTOSENSORS SHALL BE LOCATED IN SPACE. E.C. SHALL PROVIDE A CEILING PLAN LOCATING ALL SENSORS WHICH HAS BEEN ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO COMMENCING WITH FIXTURE INSTALLATION.

8. INDIRECT AND DIRECT/INDIRECT FIXTURES SHALL BE SUSPENDED WITH AIRCRAFT CABLE OR OTHER CONTROLS AS REQUIRED FOR EACH FIXTURE.

9. FIXTURES ON PLANS SHALL BE PROVIDED WITH 0-10V DIMMING DRIVER(S) OR LIGHT SYSTEM OR OTHER CONTROLS AS REQUIRED FOR EACH FIXTURE.

10. ELECTRICAL ENCLOSURES SHALL BE PROVIDED TO CONTAIN ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT. OBJECTS CAN BE SUPPORTED ON PANELS OR CONDUIT AS REQUIRED FOR EACH FIXTURE.

11. ALL EXTERIOR EQUIPMENT, FIXTURES, AND DEVICES SHALL BE RATED IP65 (MINIMUM) AND AS INDICATED AS REQUIRED FOR EACH FIXTURE.

12. SPACE. E.C. SHALL PROVIDE A CEILING PLAN LOCATING ALL SENSORS WHICH HAS BEEN ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO COMMENCING WITH FIXTURE INSTALLATION.

13. ELECTRICAL ENCLOSURES SHALL BE PROVIDED TO CONTAIN ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT. OBJECTS CAN BE SUPPORTED ON PANELS OR CONDUIT AS REQUIRED FOR EACH FIXTURE.

14. MEETING ROOMS. DRAWN BY: CHECKED BY: DRAWING NUMBER JOB NUMBER SCALE: 1/8"=1'-0" TRUE NORTH REVISIONS NO.
AUXILIARY DEVICES. WIRING AND CONDUIT OR MC CABLE IS SHOWN ON DRAWINGS ONLY REQUIRED TO FULLY UNDERSTAND THE CONDITIONS OF EACH SPACE.

REVISIONS NO.

CONSULTING ENGINEERS INC.

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SCALE: DRAWN BY: CHECKED BY:

1/8" = 1'-0"

PLAN NORTH

As indicated

100% CONFORMED SET - FOR CONSTRUCTION 9/12/16

SECOND FLOOR PLAN PART - LIGHTING

G.E.A.S.

RECESSED LUMINAIRE MOUNTED VERTICALLY IN WALL. REFER TO ARCHITECTURAL ELEVATIONS FOR LENGTH AND LOCATION PRIOR TO ROUGH-IN. TYPICAL OF 5.

FIELD CONDITIONS REQUIRING A SHORTER SUSPENSION SHALL BE BROUGHT TO THE

SUPPORT OF ALL LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT. PROVIDE UNISTRUT OR OTHER SUPPLEMENTAL SUPPORT FITTINGS TO BE ATTACHED TO BUILDING STRUCTURAL FRAMING AS REQUIRED FOR INSTALLATIONS.

PRODUCT(S).

THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.

AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.

THAT A COMPLETE BRANCH CIRCUIT AND CONTROL WIRING SYSTEM BE INSTALLED.

TO PROVIDE A MINIMUM CLEARANCE 18" FROM THE CEILING TO TOP OF EACH FIXTURE.

E.C. SHALL PROVIDE A CEILING PLAN LOCATING ALL SENSORS WHICH HAS BEEN COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR EACH INDIVIDUAL SPACE.

ALL OCCUPANCY AND DAYLIGHT HARVESTING PHOTOSENSORS SHALL BE LOCATED IN

8. INDIRECT AND DIRECT/INDIRECT FIXTURES SHALL BE SUSPENDED WITH AIRCRAFT CABLE

5. FIXTURES ON PLANS SHALL BE PROVIDED WITH 0-10V DIMMING DRIVER(S) OR LIGHT

ENGINES(S) AS REQUIRED FOR LED SOURCES SPECIFIED TO BE CONTROLLED VIA A 0-10V

ALL EXPOSED CONDUITS, RACEWAYS, WIREWAYS, BOXES, FITTINGS AND SIMILAR

THAT A COMPLETE BRANCH CIRCUIT AND CONTROL WIRING SYSTEM BE INSTALLED.

E.A.

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CONSULTING ENGINEERS INC.

Dover, NH
WHERE CONDUITS AND/OR BOXES CANNOT BE FLUSH MOUNTED IN BUILDING PROVIDE A SYSTEM WIREMOLD FOR ALL FINISH SPACES WHERE PUBLIC HAS ACCESS, INCLUDING CORRIDORS, SOURCES.

CONFIRM HEIGHT OF CASEWORK WITH HVAC AND ARCHITECT PRIOR TO ROUGHING.

1. PROVIDE ELECTRICAL CONDUIT TO ALL SERVICE PANELS.
2. PROVIDE RECEPTACLES TO ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
3. PROVIDE ALL EMPTY CONDUITS WITH PULL-STRINGS.
4. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
5. CONFIRM RATINGS & FINAL LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO ROUGHING.
6. CONFIRM HEIGHT OF CASEWORK WITH HVAC AND ARCHITECT PRIOR TO ROUGHING.
7. PROVIDE WALL OUTLETS AS REQUIRED.
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DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.

A14.2 WP 18 CP V BD.8 Em Elec

AS INDICATED SCALE: DRAWN BY: CHECKED BY:

49. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS OF RECEPTACLES WITH AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.

4. DO NOT PENETRATE STAIRS WITH ANY UTILITIES EXCEPT FOR UTILITIES SPECIFICALLY SERVING SOURCES.

CONFIRM HEIGHT OF CASEWORK WITH HVAC AND ARCHITECT PRIOR TO ROUGHING.

ELECTRICAL CONTRACTOR SHALL PROVIDE GROUND針

GROUND FLOOR PLAN PART C - POWER

FREEZER CASES TO BE INSTALLED IN PERIMETER.

SEE NOTE #19 (TYP.)

FACE AMPLITUDE, ANTENNA CABLES WITH WHITE CONDUCTORS.
GENERAL POWER NOTES:

1. Coordinate exact location of all devices and equipment with architect prior to installation.
2. REFER TO MECHANICAL PLANS FOR ANY CHANGES AND FOR EXACT LOCATION OF ALL HVAC EQUIPMENT.
3. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
4. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
5. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
6. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC 98% CONDUCTIVITY, COPPER MINIMUM #12 AWG SIZE, THWN/THHN INSULATION, 600 VolTS RATED UNLESS OTHERWISE NOTED.
7. REFER TO FIRE PROTECTION PLANS FOR ANY CHANGES AND FOR EXACT LOCATION OF ALL FLOW SWITCH, TAMPER SWITCH, ETC.
8. DO NOT PENETRATE STAIRS WITH ANY UTILITIES EXCEPT FOR UTILITIES SPECIFICALLY SERVING THAT STAIR.
9. WHERE CONDUITS AND/OR BOXES CANNOT BE FLUSH MOUNTED IN BUILDING PROVIDE A SYSTEM OF SURFACE METAL RACEWAYS AND BOXES IN ACCORDANCE WITH ARTICLE 386, EQUAL TO WIREMOLD FOR ALL FINISH SPACES WHERE PUBLIC HAS ACCESS, INCLUDING CORRIDORS, CLASSROOMS, OFFICES, ETC.
10. CONFIRM RATINGS & FINAL LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO ROUGHING.
11. ALL OUTLETS ON EXTERIOR WALLS WITH CASEWORK SHALL BE MOUNTED 6" ABOVE CASEWORK. CONFIRM HEIGHT OF CASEWORK WITH HVAC AND ARCHITECT PRIOR TO ROUGHING.
12. TYPICALLY PROVIDE GROUND FAULT INTERRUPTER TYPE RECEPT AcLES WITHIN 6 FEET OF WATER SOURCES.
13. PROVIDE ALL EMPTY CONDUITS WITH PULL-STRINGS.
14. TYPICALLY PROVIDE (2) 4" SLEEVES OVER EACH CORRIDOR DOOR.
15. PROVIDE (2) 2" THROUGH-WALL SLEEVES ABOVE CEILING OVER THE DOORS INTO EACH ROOM LEADING FROM THE CORRIDOR FOR COMMUNICATIONS/DATA WIRING.
16. LOCATE ALL WALL TELEPHONE OUTLETS 12 INCHES AWAY FROM ALL OTHER OUTLETS/DEVICES.
17. PROVIDE (2) 1" SLEEVES OVER EACH DOOR FOR TEL./DATA SECURITY AND SOUND SYSTEM WIRING. TEL./DATA SHALL BE DEDICATED TO (1) OF THE CONDUITS.
18. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL BOXES AND CONDUITS REQUIRED FOR AUDIO/VISUAL SYSTEMS SECTION 274100 DEVICES AS SHOWN ON AV DRAWINGS. ALL LOCATIONS OF POWER AND A/V OUTLET BOXES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGHING.
19. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS OF RECEPTACLES WITH PLUMBING EQUIPMENT PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR SHALL PROVIDE GROUND FAULT TYPE CIRCUIT BREAKER AND LOCAL TOGGLE SWITCH.
20. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS FOR ALL GOGGLE CABINETS PRIOR TO ROUGH-IN.

--

KEYPLAN ABCDEF
TRUE NORTH
PLAN NORTH
REVISIONS NO.
DRAWING NUMBER JOB NUMBER
SCALE: 1/8" = 1'-0"

Dover HS / CTC
GROUND FLOOR PLAN PART F - POWER

MB
403114
DMP
SCALE: 1/8" = 1'-0"
GENERAL POWER NOTES:

3. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.

9. WHERE CONDUITS AND/OR BOXES CANNOT BE FLUSH MOUNTED IN BUILDING PROVIDE A SYSTEM SOURCES.

17. PROVIDE (2) 1" SLEEVES OVER EACH DOOR FOR TEL./DATA SECURITY AND SOUND SYSTEM WIRING.

16. LOCATE ALL WALL TELEPHONE OUTLETS 12 INCHES AWAY FROM ALL OTHER OUTLETS/DEVICES.

8. DO NOT PENETRATE STAIRS WITH ANY UTILITIES EXCEPT FOR UTILITIES SPECIFICALLY SERVING AUDIO/VISUAL SYSTEMS SECTION 274100 DEVICES AS SHOWN ON AV DRAWINGS. ALL LOCATIONS OF SWITCH, TAMPER SWITCH, ETC.

15. PROVIDE (2) 2" THROUGH-WALL SLEEVE ABOVE CEILING OVER THE DOORS INTO EACH ROOM LEADING FROM THE CORRIDOR FOR COMMUNICATIONS/DATA WIRING.

12. TYPICALLY PROVIDE GROUND FAULT INTERRUPTER TYPE RECEPTACLES WITHIN 6 FEET OF WATER CLASSROOMS, OFFICES, ETC.

10. CONFIRM RATINGS & FINAL LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO ROUGHING.

5. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.

18. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL BOXES AND CONDUITS REQUIRED FOR INSTALLATION.

2. REFER TO MECHANICAL PLANS FOR ANY CHANGES AND FOR EXACT LOCATION OF ALL HVAC EQUIPMENT.

7. REFER TO FIRE PROTECTION PLANS FOR ANY CHANGES AND FOR EXACT LOCATION OF ALL FLOW EQUIPMENT.

10. CONFIRM RATINGS & FINAL LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO ROUGHING.

13. PROVIDE ALL EMPTY CONDUITS WITH PULL-STRINGS.

14. TYPICALLY PROVIDE (2) 4" SLEEVES OVER EACH CORRIDOR DOOR.

20. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS FOR ALL GOGGLE CABINETS PRIOR TO ROUGH-IN.
13. PROVIDE ALL EMPTY CONDUITS WITH PULL-STRINGS.
14. TYPICALLY PROVIDE (2) 4" SLEEVES OVER EACH CORRIDOR DOOR.

GENERAL POWER NOTES:
2. REFER TO MECHANICAL PLANS FOR ANY CHANGES AND FOR EXACT LOCATION OF ALL HVAC
AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.
3. PROVIDE 3-HR RATED FIRE BARRIER PUTTY FOR ALL OUTLET BOXES ON THIS WALL
JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR ATC CONTROLS
4. PROVIDE (2) 4" SLEEVES OVER EACH CORRIDOR DOOR.
5. PROVIDE EACH BOX WITH A 4" SLEEVE OVER TOP EDGE.
6. PROVIDE EACH BOX WITH A 4" SLEEVE OVER BOTTOM EDGE.
7. PROVIDE 3-HR RATED FIRE BARRIER PUTTY FOR ALL OUTLET BOXES ON THIS WALL
JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR ATC CONTROLS
8. PROVIDE 3-HR RATED FIRE BARRIER PUTTY FOR ALL OUTLET BOXES ON THIS WALL
JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR ATC CONTROLS
9. PROVIDE 3-HR RATED FIRE BARRIER PUTTY FOR ALL OUTLET BOXES ON THIS WALL
JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR ATC CONTROLS
10. CONFIRM RATINGS & FINAL LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO ROUGHING.
11. PROVIDE (2) 2" THROUGH-WALL SLEEVE ABOVE CEILING OVER THE DOORS INTO EACH ROOM LEADING
12. PROVIDE ALL BOXES AND CONDUITS REQUIRED FOR INSTALLATION.
13. PROVIDE ALL BOXES AND CONDUITS REQUIRED FOR INSTALLATION.
14. PROVIDE ALL BOXES AND CONDUITS REQUIRED FOR INSTALLATION.

FOR EQUIPMENT CONNECTION REQUIREMENTS REFER TO PRE ENGINEERING EQUIPMENT SCHEDULE
1. Coordinate exact location of all devices and equipment with architect prior to V/2D.

9. Where conduits and/or boxes cannot be flush mounted in building, provide a system wiremold for all finish spaces where public has access, including corridors, VAV.

10. All outlets on exterior walls with casework shall be mounted 6" above casework.

11. Typically provide ground fault interrupter type receptacles within 6 feet of water from the corridor for communications/data wiring.

12. Provide (2) 1" sleeves over each door for tel./data security and sound system wiring.

17. Provide (2) 1-1/2" conduits. See E2.2C for further routing.

18. Coordinate exact mounting heights of receptacles with architect prior to roughing.

19. Electrical contractor shall coordinate exact mounting heights of receptacles with architect prior to roughing.

20. Electrical contractor shall coordinate exact mounting heights for all goggle.

21. Power and A/V outlet boxes shall be coordinated with architect prior to roughing.
GENERAL POWER NOTES:

1. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE
   BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC 60 % CONDUCTIVITY, COPPER MINIMUM #12
2. DO NOT PENETRATE STAIRS WITH ANY UTILITIES EXCEPT FOR UTILITIES SPECIFICALLY SERVING
3. WHERE CONDUITS AND/OR BOXES CANNOT BE FLUSH MOUNTED IN BUILDING PROVIDE A SYSTEM
4. ALL OUTLETS ON EXTERIOR WALLS WITH CASEWORK SHALL BE MOUNTED 6" ABOVE CASEWORK.
5. PROVIDE ALL EMPTY CONDUITS WITH PULL-STRINGS.
6. TYPICALLY PROVIDE (2) 4" SLEEVES OVER EACH CORRIDOR DOOR.
7. PROVIDE (2) 2" THROUGH-WALL SLEEVE ABOVE CEILING OVER THE DOORS INTO EACH ROOM LEADING
   FROM THE CORRIDOR FOR COMMUNICATIONS/DATA WIRING.
8. LOCATE ALL WALL TELEPHONE OUTLETS 12 INCHES AWAY FROM ALL OTHER OUTLETS/DEVICES.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL BOXES AND CONDUITS REQUIRED FOR
   POWER AND A/V OUTLET BOXES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGHING.
10. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS OF RECEPTACLES WITH
11. SCALE:  1/8" = 1'-0"
1. Coordinate exact location of all devices and equipment with architect prior to rough-in.

2. Refer to mechanical plans for any changes and for exact location of all HVAC equipment.

3. Provide (2) 2" through-wall sleeves above ceiling over the doors into each room leading to stair.

4. Provide ground fault interrupter type receptacles within 6 feet of water sources.

5. Provide 3-hour rated fire barrier for this wall.

6. Typically provide ground fault interrupter type receptacles with archiect prior to rough-in. Electrical contractor shall provide ground fault interrupter type receptacles within 6 feet of water sources.

7. Provide 3-hour rated fire barrier for this wall.

8. Typical power notes:

   a. General power notes:

      - Switch, tamper switch, etc.

      - Typically provide ground fault interrupter type receptacles within 6 feet of water sources.

      - Plumbing equipment prior to rough-in. Electrical contractor shall provide ground fault interrupter type receptacles within 6 feet of water sources.

   b. Electrical contractor shall provide ground fault interrupter type receptacles within 6 feet of water sources.

   c. Provide 3-hour rated fire barrier for this wall.

   d. Provide ground fault interrupter type receptacles within 6 feet of water sources.

   e. Provide 3-hour rated fire barrier for this wall.

   f. Typical power notes:

      - Switch, tamper switch, etc.

      - Typically provide ground fault interrupter type receptacles within 6 feet of water sources.

      - Plumbing equipment prior to rough-in. Electrical contractor shall provide ground fault interrupter type receptacles within 6 feet of water sources.

   g. Provide 3-hour rated fire barrier for this wall.

   h. Provide 3-hour rated fire barrier for this wall.

   i. Typical power notes:

      - Switch, tamper switch, etc.

      - Typically provide ground fault interrupter type receptacles within 6 feet of water sources.

      - Plumbing equipment prior to rough-in. Electrical contractor shall provide ground fault interrupter type receptacles within 6 feet of water sources.

   j. Provide 3-hour rated fire barrier for this wall.

   k. Provide 3-hour rated fire barrier for this wall.

   l. Typical power notes:

      - Switch, tamper switch, etc.

      - Typically provide ground fault interrupter type receptacles within 6 feet of water sources.

      - Plumbing equipment prior to rough-in. Electrical contractor shall provide ground fault interrupter type receptacles within 6 feet of water sources.

   m. Provide 3-hour rated fire barrier for this wall.

   n. Provide 3-hour rated fire barrier for this wall.

   o. Typical power notes:

      - Switch, tamper switch, etc.

      - Typically provide ground fault interrupter type receptacles within 6 feet of water sources.

      - Plumbing equipment prior to rough-in. Electrical contractor shall provide ground fault interrupter type receptacles within 6 feet of water sources.

   p. Provide 3-hour rated fire barrier for this wall.

   q. Provide 3-hour rated fire barrier for this wall.

   r. Typical power notes:

      - Switch, tamper switch, etc.

      - Typically provide ground fault interrupter type receptacles within 6 feet of water sources.

      - Plumbing equipment prior to rough-in. Electrical contractor shall provide ground fault interrupter type receptacles within 6 feet of water sources.

   s. Provide 3-hour rated fire barrier for this wall.

   t. Provide 3-hour rated fire barrier for this wall.

   u. Typical power notes:

      - Switch, tamper switch, etc.

      - Typically provide ground fault interrupter type receptacles within 6 feet of water sources.

      - Plumbing equipment prior to rough-in. Electrical contractor shall provide ground fault interrupter type receptacles within 6 feet of water sources.

   v. Provide 3-hour rated fire barrier for this wall.

   w. Provide 3-hour rated fire barrier for this wall.

   x. Typical power notes:

      - Switch, tamper switch, etc.

      - Typically provide ground fault interrupter type receptacles within 6 feet of water sources.

      - Plumbing equipment prior to rough-in. Electrical contractor shall provide ground fault interrupter type receptacles within 6 feet of water sources.

   y. Provide 3-hour rated fire barrier for this wall.

   z. Provide 3-hour rated fire barrier for this wall.
CONFIRM HEIGHT OF CASEWORK WITH HVAC AND ARCHITECT PRIOR TO ROUGHING.

108" MB

6' MB 6' MB

FE-R

18

56

15-16

13

CR

8

2

34

7

C

PL238-1

GFC

PL238-13

FH-01

PL235-16

PL238-21

6' MB

GFC

11

F

PL237-6

GFC

14

13

PL242-11

GENERAL POWER NOTES:

GFC F 4GFC

TVE TVE

C1

THAT STAIR.

GOGGLE CABINET SEE NOTE #20 (TYP.)

2T

GFI GFI

PP2D-2

20. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS FOR ALL GOGGLE

26 28 30

TVE

PP2D-4

6' MB 8'x3'-7" MB

LC

PROVIDE 2-POLE SWITCH IN ADJACENT SINK CABINET FOR DISH WASHER SERVICE (TYP.)

33

27

A4

14

13

PL242-11

EMERGENCY EPO FOR LAB PANEL SHUTDOWN, REFER TO DETAIL (TYP.)

PP2D-36

6

C

7

15

TV E

PL235-15

Science Prep

PL237-12

OUTLET BOXES ON THIS

PL237-5

G S V -1 1

4

REVISIONS NO.

CCCC

Science Prep

NUMBERS AND PANEL DESIGNATIONS.

9876

B6

403114

PL232-11

1. COORDINATE EXACT LOCATION OF ALL DEVICES AND EQUIPMENT WITH ARCHITECT PRIOR TO

135

PL231-24

6. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC 98% CONDUCTIVITY, COPPER MINIMUM #12

7. REFER TO FIRE PROTECTION PLANS FOR ANY CHANGES AND FOR EXACT LOCATION OF ALL FLOW

15/1

PL231-9 PL231-8 PL231-7 PL231-6

BD.8

GFC GFC GFC GFC

BE.3

CR

CR

15-13

22 22 22

VAV

18 3

PP2D-15

1

GFC

GFC

PROVIDE 2-POLE SWITCH IN ADJACENT SINK CABINET FOR DISH WASHER SERVICE (TYP.)

8' MB

S

VAV

1

PP2D-34

G-CAB

13

C1

16-01

S

GFC

108" S

GFC

21

T VE T VE

S

7

17. PROVIDE (2) 1" SLEEVES OVER EACH DOOR FOR TEL./DATA SECURITY AND SOUND SYSTEM WIRING.

PL232-3

VAV

4 4

CABINETS PRIOR TO ROUGH-IN.

PL231-26

6' MB

GFC

PL239-11

PL231-24

PROVIDE 2-HR RATED FIRE EPO

PL233-2 PL233-1

PL240-1

GFC

PL235-17

6' MB

PL238-15

PSV-08

AD.6

19 19

4D

17

229

8

A4

640

15/1

19

19

15/1

19

19

EPO

E3.5

13

W

W

PL235-13

PL235-9 PL235-8

EFS

6' MB

PL233-23

PL233-26

BM05 BM05

PL233-17

PL233-16

VAV

13

W W

13

14

15/1

19

19

15/1

19

19

F

13

W

W

PL235-30,32
GENERAL POWER NOTES:
1. COORDINATE EXACT LOCATION OF ALL DEVICES AND EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLATION.
2. REFER TO MECHANICAL PLANS FOR ANY CHANGES AND FOR EXACT LOCATION OF ALL HVAC EQUIPMENT.
3. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
4. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
5. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
6. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE MC 98% CONDUCTIVITY, COPPER MINIMUM #12 AWG SIZE, THWN/THHN INSULATION, 600 VOLTS RATED UNLESS OTHERWISE NOTED.
7. REFER TO FIRE PROTECTION PLANS FOR ANY CHANGES AND FOR EXACT LOCATION OF ALL FLOW SWITCH, TAMPER SWITCH, ETC.
8. DO NOT PENETRATE STAIRS WITH ANY UTILITIES EXCEPT FOR UTILITIES SPECIFICALLY SERVING THAT STAIR.
9. WHERE CONDUITS AND/OR BOXES CANNOT BE FLUSH MOUNTED IN BUILDING PROVIDE A SYSTEM OF SURFACE METAL RACEWAYS AND BOXES IN ACCORDANCE WITH ARTICLE 386, EQUAL TO WIREMOLD FOR ALL FINISH SPACES WHERE PUBLIC HAS ACCESS, INCLUDING CORRIDORS, CLASSROOMS, OFFICES, ETC.
10. CONFIRM RATINGS & FINAL LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO ROUGHING.
11. ALL OUTLETS ON EXTERIOR WALLS WITH CASEWORK SHALL BE MOUNTED 6" ABOVE CASEWORK. CONFIRM HEIGHT OF CASEWORK WITH HVAC AND ARCHITECT PRIOR TO ROUGHING.
12. TYPICALLY PROVIDE GROUND FAULT INTERRUPTER TYPE RECEPTACLES WITHIN 6 FEET OF WATER SOURCES.
13. PROVIDE ALL EMPTY CONDUITS WITH PULL-STRINGS.
14. TYPICALLY PROVIDE (2) 4" SLEEVES OVER EACH CORRIDOR DOOR.
15. PROVIDE (2) 2" THROUGH-WALL SLEEVES ABOVE CEILING OVER THE DOORS INTO EACH ROOM LEADING FROM THE CORRIDOR FOR COMMUNICATION/DATA WIRING.
16. LOCATE ALL WALL TELEPHONE OUTLETS 12 INCHES AWAY FROM ALL OTHER OUTLETS/DEVICES.
17. PROVIDE (2) 1" SLEEVES OVER EACH DOOR FOR TEL./DATA SECURITY AND SOUND SYSTEM WIRING. TEL./DATA SHALL BE DEDICATED TO (1) OF THE CONDUITS.
18. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL BOXES AND CONDUITS REQUIRED FOR AUDIO/VISUAL SYSTEMS SECTION 274100 DEVICES AS SHOWN ON AV DRAWINGS. ALL LOCATIONS OF POWER AND A/V OUTLET BOXES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGHING.
19. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS OF RECEPTACLES WITH PLUMBING EQUIPMENT PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR SHALL PROVIDE GROUND FAULT TYPE CIRCUIT BREAKER AND LOCAL TOGGLE SWITCH.
20. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHTS FOR ALL GOGGLE CABINETS PRIOR TO ROUGH-IN.
GENERAL NOTES:

3. Wiring is shown on drawings only for specific routes or special conditions.

5. Although all branch circuit wire and conduit is not shown, it is the intent of these.

6. All branch circuit conductors shall be Type MC 98% conductivity, copper minimum #12 wire.

B10 Wiremold for all finish spaces where public has access, including corridors.

12. Typically provide ground fault interrupter type receptacles within 6 feet of water.

15. Provide (2) 2" through-wall sleeves above ceiling over the doors into each room leading.

19. Electrical contractor shall coordinate exact mounting heights of receptacles with.

20. Electrical contractor shall coordinate exact mounting heights for alloggle

7. Refer to fire protection plans for any changes and for exact location of all flow.

9. Where conduits and/or boxes cannot be flush mounted in building provide a system.

10. Confirm ratings & final locations of equipment with owner prior to roughing.

11. All outlets on exterior walls with casework shall be mounted 6" above casework.

12. Refer to mechanical plans for any changes and for exact location of all HVAC.

4. Wiring and conduit shall be required between all outlets indicated with circuit numbers and panel designations.

8. Do not penetrate stairs with any utilities except for utilities specifically serving.

14.2 Residential outlets that are specific to a suite's private usage.

16. Locate all wall telephone outlets 12 inches away from all other outlets/devices.

17. Provide (2) 1" sleeves over each door for tel./data security and sound system wiring.

18. Electrical contractor shall provide all boxes and conduits required for.

19. Electrical contractor shall coordinate exact mounting heights of receptacles with.

20. Electrical contractor shall coordinate exact mounting heights for all goggle

AUDIO/VISUAL SYSTEMS SECTION 274100 devices as shown on AV drawings. All locations of power and A/V outlet boxes shall be coordinated with architect prior to roughing.
### Panel Schedule

<table>
<thead>
<tr>
<th>Panel No.</th>
<th>Location</th>
<th>Amperes</th>
<th>Volts</th>
<th>Phase</th>
<th>Wire Type</th>
<th>Notes</th>
</tr>
</thead>
</table>

### Panel Schedule (Continued)

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<th>Amperes</th>
<th>Volts</th>
<th>Phase</th>
<th>Wire Type</th>
<th>Notes</th>
</tr>
</thead>
</table>

### CONDUCTOR NO.

**WIRE (THHN) AMPS**

- 4#12 +#12EG 3#12 +#12EG 10.8 9
- 3#2 +#8EG 54.3 45
- 30/3 1/2" 3/4" 83.3 45
- 3#1/0 +#6EG 90.2 75
- 3#3/0 +#6EG 135.3

### PANEL

- 60 POLES
- 250 AMPS
- 444

### AMPS

**150/3 3" 150**

- 3#1/0(#6)+1#250KCMIL(IG)+1#2(EG) 23 - 3" 500/3 500
- 3#500/#3EG 270.7 225
- 400/3 3" 400 625
- 4#6+2#10(EG) 22 - 3" 500/3 500 3 - 3" 1000/3 1000
- 4#1/0(#1)+1#1/0(EG) 54.3 45
- 3#350/#1EG 360.8 300
- 2#350/#1EG 360.8 300
- 2#1/0(IG)+2#1/0(N) 18 - 3" 500/3 500 3 - 3" 1000/3 1000

### 100% CONFORMED SET - FOR CONSTRUCTION

9/12/16

**Scale:** DRAWN BY: CHECKED BY:

---

Notes:

- Provide panels and integral, solenoid driven, addressable circuit breakers. Refer to "AUTOMATED LIGHTING CONTROL SYSTEM ONE-LINE DIAGRAM" and specifications for requirements.
- Provide GFCI Type 20A-1P circuit breakers for circuits serving electric water coolers.
- Provide arc-fault Type 20A-1P circuit breakers for circuits serving life skills.
- Provide panel with subfeed lugs.
GENERAL POWER NOTES:

1. INSTALLATION.

2. SOURCES.

3. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT.

4. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE.

5. REFER TO FIRE PROTECTION PLANS FOR ANY CHANGES AND FOR EXACT LOCATION OF ALL FLOW.

6. ORM AND CONDUIT Boxes SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGHING.

7. PROVIDE (2) 2" THROUGH-WALL SLEEVE ABOVE CEILING OVER THE DOORS INTO EACH ROOM LEADING.

8. PROVIDE (2) 1" SLEEVES OVER EACH DOOR FOR TEL./DATA SECURITY AND SOUND SYSTEM WIRING.

9. PROVIDE ALL BOXES AND CONDUITS REQUIRED FOR.

10. TYPICALLY PROVIDE (2) 4" SLEEVES OVER EACH CORRIDOR DOOR.

11. CONFIRM RATINGS & FINAL LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO ROUGHING.

12. 100% CONFORMED SET - FOR CONSTRUCTION 9/12/16

13. DRAWN BY: CHECKED BY:

14. DRAWING NUMBER JOB NUMBER

15. CONSULTING ENGINEERS INC.

16. COPYRIGHT HMFH ARCHITECTS, INC.
**KITCHEN EQUIPMENT SCHEDULE**

**SEQUENCE OF OPERATIONS:**

- **CR**
- **QTY**
- **NO.**
- **EQUIPMENT**
- **AMPS**
- **HP**
- **K.W.**

| WASHER | 1 - | -- | 120/1 | KPPGA | 1 | 20A-1P | 2#12+1#12G-3/4"C - | - | - |
| EPGA | 17 |
| EPGA | 19, 21, 23 |
| 9 WALK-IN COMMODITY FREEZER | - | -- | 120/1 | 20A-1P | 2#12+1#12G-3/4"C - | X | - | X |
| POWER CONNECTION IS PROVIDED FROM ITEM #46 |
| POWER CONNECTION IS PROVIDED FROM ITEM #46 |
| POWER CONNECTION IS PROVIDED FROM ITEM #46 |
| 18 PREP COUNTER WITH SINKS | 1 - | -- | 120/1 | KPPGA | 2 & 4 (2) | 20A-1P (2) | 2#12+1#12G-3/4"C - | (2) | X |
| CONVENIENCE "GFI" OUTLETS |
| ALL SWITCHES INSTALLED AS AN EQUIPMENT DISCONNECTING MEANS SHALL BE LABELED WITH THE DESCRIPTION OF THE EQUIPMENT BEING SERVED. EXAMPLE: WALK-IN COOLER |
| 54 ROTATING SINGLE RACK OVEN | 1 - | 4.2 - | 208/3 | KPPGA | 19, 21, 23 | 15A-3P | 4#12+1#12G-3/4"C - | X | X |
| - | X |
| 33 SLICER | 1 - | 5.0 - | 120/1 | KPPGA | 13 | 20A-1P | 2#12+1#12G-3/4"C - | - | X |
| 1 - | -- | 480/3 | MHPGB | 1, 3, 5 | 80A-3P | 4#3+1#8G-1 1/4"C - | X | X |
| POWER CONNECTION IS PROVIDED FROM ITEM #75 (NEMA 6-20R) |
| 32 EPGA |

**KITCHEN EQUIPMENT NOTES:**

1. PROVIDE 6#14 FOR INTERLOCK TO CONDENSING UNIT 8.2 - 208/1 20A-2P 3#12+1#12G-3/4"C - | X | X |

**SEE MECHANICAL SCHEDULE**

**THE ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM, SHALL CAUSE**

**REQUIREMENTS OF THE HOOD EXHAUST FAN WHEN THE EXTINGUISHING SYSTEM IS SHUT DOWN.**

**POWER TO ALL ITEMS UNDER KITCHEN HOOD TO DDC PANEL**

**CIRCUIT SIZE SHALL MATCH THE CIRCUIT BREAKER AMPACITY, REFER TO SCHEDULE.**

**TO REMOTE ON/OFF EPO TO DDC PANEL OR FLOOR PLANS.**

**PROVIDE 865WATTS/1500VA UPS. 120V, SINGLE PHASE INPUT - 120V, SINGLE PHASE OUTPUT EQUAL TO APC XS 1500.**

**SEE KITCHEN EQUIPMENT SCHEDULE**

**ASSOCIATED PILOTS IMMEDIATELY UPON RESET.**

**TO REMOTE ON/OFF EPO TO CARBON MONOXIDE GAS SOLENOID CONTROL PANEL. SEE DETAIL 8/E3.7**

**SEE DETAIL 8/E3.7**
<table>
<thead>
<tr>
<th>SET NO</th>
<th>DESCRIPTION</th>
<th>LOCATION</th>
<th>LONG DESCRIPTION</th>
<th>IP</th>
<th>FLOOR</th>
<th>ELEV</th>
<th>BASE</th>
<th>MAKE/ TYPE</th>
<th>REVISION</th>
</tr>
</thead>
</table>

**CONSOLIDATED SHEET FOR CONSTRUCTION**

**MECHANICAL SCHEDULE GENERAL NOTES:**

- **1.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **2.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **3.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **4.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **5.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **6.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **7.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **8.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **9.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **10.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.

**MECHANICAL SCHEDULE KEY NOTES:**

- **1.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **2.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **3.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **4.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
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- **9.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **10.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.

**CONVEYOR SHEET**

- **1.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **2.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **3.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
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- **9.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **10.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.

**TYPICAL ROOFTOP DISCONNECT SWITCH(DS) DETAIL**

- **1.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **2.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **3.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **4.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.

**GAS/WATER SUB METER DETAIL**

- **1.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **2.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **3.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **4.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.

**KEY SWITCH FOR EMERGENCY SHOWER**

- **1.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **2.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **3.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **4.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.

**FLOOR SWITCH OVER-RIDE**

- **1.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **2.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **3.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
- **4.** PROVIDE ALL CONVEYOR CONNECTIONS TO REQUIREMENT OR SPECIFICATION.
### SCHEDULE OF MECHANICAL EQUIPMENT

**MECHANICAL SCHEDULE GENERAL NOTES:**

All VFD's shall be provided with connections to BAC Net Data Circuit Location Description.

Connect "WP" receptacle & light fixture "J" to MP2A -11, MP1D-23 120 1 (5) 2#12+1#12G-3/4"C 20A-1P - VAV-14-10 THRU VAV-14-13 7 1ST FLOOR AREA C.

Provide GFCI type circuit breaker to feed EWC circuits. 3 phase.

### Circuit Location Description

<table>
<thead>
<tr>
<th>Location</th>
<th>Circuit Breaker</th>
<th>Receptacle &amp; Light Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP2A -11</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
<td>&quot;WP&quot;</td>
</tr>
<tr>
<td>MP1D-23</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
<td>&quot;WP&quot;</td>
</tr>
<tr>
<td>MP2A -11</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
<td>&quot;WP&quot;</td>
</tr>
<tr>
<td>MP2E-17</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
<td>&quot;WP&quot;</td>
</tr>
<tr>
<td>MP2E-19</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
<td>&quot;WP&quot;</td>
</tr>
<tr>
<td>MP2E-21</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
<td>&quot;WP&quot;</td>
</tr>
<tr>
<td>MP2E-25</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
<td>&quot;WP&quot;</td>
</tr>
<tr>
<td>MP1C-7</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
<td>&quot;WP&quot;</td>
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<tr>
<td>MP1D-21</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
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<td>&quot;WP&quot;</td>
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<tr>
<td>MPGB-63</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
<td>&quot;WP&quot;</td>
</tr>
<tr>
<td>MPGB-67</td>
<td>120 1 (5) 2#12+1#12G-3/4&quot;C 20A-1P</td>
<td>&quot;WP&quot;</td>
</tr>
</tbody>
</table>
1. Coordinate all sleeve locations with telecommunications contractor prior to installation.

2. Coordinate all conduit routing with telecommunications contractor. Provide pull boxes where conduit bend exceeds a total of 180 degrees or distance exceeds 150'. Always align conduits on opposite ends of pull box.

3. Pull box sizes for 4" conduits shall be minimum 15" wide x 60" long x 8" deep. Increase width of pull box 8" for every additional 4" conduit.

4. All conduit bends shall be minimum 36" radius.

5. E.C. shall bond all cable tray to "TGB" in respective data room with #6 ground. The cable tray shall be electrically continuous through the entire run including all fittings.

6. Provide #8 ground and bushing at all sleeves and through roof conduits for antennas.

7. Provide 10' coil of #6 g. for Verizon demarcation backboard.

8. Provide 4'x8'x3/4" plywood television, telephone backboard located in MDF data rack.

9. Provide (2) 4" conduits see site plan for continuation.

10. Provide (2) 4" conduits from service provider to entrance protection termination see site plan for continuation.

11. Ground bus in main electric room.

12. 1#1/0 grd - 1" c to main service bus Electrode.

13. 1#1/0 - 1" (typ.)

14. Data rack.

15. Telephone & spare CATV & fiber.

16. Chase coordinate with arch.
DISTRIBUTED ANTENNA SYSTEM (DAS/BDA)

1. PROVIDE ALL BONDING HARDWARE REQUIRED FOR A COMPLETE GROUNDING SYSTEM TO ASSOCIATED PANELS, EQUIPMENT, SHELVES, RACKS, AND ANY OTHER METALLIC COMPONENTS TO ENSURE ELECTRICAL CONTINUITY BETWEEN METALLIC COMPONENTS AND THE GROUNDED RACK OR CABINET.

2. MAXIMUM FOUR ANTENNAE PER REMOTE DEVICE. PROVIDE AND LOCATE DEVICES IN SUFFICIENT QUANTITY TO PROVIDE A MINIMUM SIGNAL COVERAGE OF 95% AT NEG. 85dBM WITHIN THE BUILDING.

3. PRIORITY AREAS OF COVERAGE INCLUDE THE GYMNASIUM, AUDITORIUM, COMMONS, CAFETERIA, CORRIDORS, MAIN ENTRANCE LOBBY AND STAIR WELLS.

4. ALL COMPONENTS THAT REQUIRE 120V SHALL BE FED FROM CONDITIONED/UPS POWER NEAREST "TEP" PANEL.

5. PUBLIC SAFETY BI-DIRECTIONAL AMPLIFIERS, ANTENNAE "POLICE" AND "FIRE" SHALL BE PROVIDED. COORDINATE EXACT FREQUENCIES WITH THE GRAFTON PUBLIC SAFETY AUTHORITIES, AMPLIFIED DISTRIBUTION OF PUBLIC SAFETY FREQUENCIES SHALL BE OPERATIONAL AT SUBSTANTIAL COMPLETION OF THE PROJECT.

6. PROVIDE ADEQUATE RACK SPACE FOR FUTURE CELLULAR CARRIER BIDIRECTIONAL AMPLIFIERS, OWNER SHALL BE RESPONSIBLE FOR SELECTING AND NEGOTIATION WITH CELLULAR CARRIER.

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DISTRIBUTED ANTENNA SYSTEM (DAS/BDA)

DAS NOTES:

1. PROVIDE ALL BONDING HARDWARE REQUIRED FOR A COMPLETE GROUNDING SYSTEM TO ASSOCIATED PANELS, EQUIPMENT, SHELVES, RACKS, AND ANY OTHER METALLIC COMPONENTS TO ENSURE ELECTRICAL CONTINUITY BETWEEN METALLIC COMPONENTS AND THE GROUNDED RACK OR CABINET.

2. MAXIMUM FOUR ANTENNAE PER REMOTE DEVICE. PROVIDE AND LOCATE DEVICES IN SUFFICIENT QUANTITY TO PROVIDE A MINIMUM SIGNAL COVERAGE OF 95% AT NEG. 85dBM WITHIN THE BUILDING.

3. PRIORITY AREAS OF COVERAGE INCLUDE THE GYMNASIUM, AUDITORIUM, COMMONS, CAFETERIA, CORRIDORS, MAIN ENTRANCE LOBBY AND STAIR WELLS.

4. ALL COMPONENTS THAT REQUIRE 120V SHALL BE FED FROM CONDITIONED/UPS POWER NEAREST "TEP" PANEL.

5. PUBLIC SAFETY BI-DIRECTIONAL AMPLIFIERS, ANTENNAE "POLICE" AND "FIRE" SHALL BE PROVIDED. COORDINATE EXACT FREQUENCIES WITH THE GRAFTON PUBLIC SAFETY AUTHORITIES, AMPLIFIED DISTRIBUTION OF PUBLIC SAFETY FREQUENCIES SHALL BE OPERATIONAL AT SUBSTANTIAL COMPLETION OF THE PROJECT.

6. PROVIDE ADEQUATE RACK SPACE FOR FUTURE CELLULAR CARRIER BIDIRECTIONAL AMPLIFIERS, OWNER SHALL BE RESPONSIBLE FOR SELECTING AND NEGOTIATION WITH CELLULAR CARRIER.
B16.7

SEE LANDSCAPE/STRUCTURAL DRAWINGS FOR EXTERIOR STAIR DETAILS

LOCATE CONTROL MODULES ADJACENT TO DAMPERS. REFER TO HVAC DRAWINGS FOR DAMPER LOCATIONS.

CONNECT TO THE NEAREST 120 VOLT BRANCH CIRCUIT.

13. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR MANUFACTURER.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING THIS AREA.

15cd

CONSULTING ENGINEERS INC.

KEYPLAN ABCDEF

E4.0A

1GROUND FLOOR PLAN PART A - FIRE ALARM

MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRED BY E.C.; INSTALLED BY HVAC.

SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.

4. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING TO BE CONNECTED TO ADEQUATELY RATED CONNECTORS.

AC 0-2

ACTUATION OF ADJACENT SMOKE DAMPER PER INTERNATIONAL MECHANICAL CODE (IMC) 2009, 607.3.3.2.1.

VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-THERMAL LINK OF EACH UNIT.

STAGE FIRE CURTAIN CONTROL PANEL SEE NOTE 17.

THEATRICAL RIGGING TYP. SEE TR DRAWING SERIES

THEATRICAL LIGHTING TYP. SEE C1 DRAWING SERIES

THEATRICAL SOUND TYP. SEE C1 DRAWING SERIES

THEATRICAL ROOF TYP. SEE ROOFTOP SERIES

THEATRICAL GENERAL HALL

THEATRICAL REAR HALL

THEATRICAL MEZZANINE

THEATRICAL BALCONY/LOBBY

THEATRICAL LOBBY/MEZZANINE

THEATRICAL STAGE CURTAIN

THEATRICAL LIGHTING("EIGHT") LIGHT POINTS

THEATRICAL SPOTLIGHT LIGHT POINTS

THEATRICAL SPOTLIGHT LIGHT POINTS

THEATRICAL SPOTLIGHT LIGHT POINTS
GENERAL FIRE ALARM NOTES:

1. E.C. SHALL REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY, PARTS, ETC.

2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRED BY E.C.; INSTALLED BY HVAC.

3. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING CONCEALED.

4. TYPICALLY ALL SPEAKER/STROBE UNITS SHALL BE WIRED IN A FASHION THAT THE SPEAKER & STROBE IS SILENCED SIMULTANEOUSLY.

5. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF EACH UNIT AND INTERLOCK EACH DAMPER SO THAT DAMPER IS POWERED OPEN AND IS SPRING CLOSED.

6. ALL EMERGENCY ROOMS ARE (2) HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.

7. LOCATE CONTROL MODULES ADJACENT TO DAMPERS. REFER TO HVAC DRAWINGS FOR DAMPER LOCATIONS.

8. ONE OF THE THREE HEAT DETECTORS.

9. HIGH OUTPUT FIRE ALARM HORN-STROBE, MOUNTED 84" ABOVE BLEACHERS (TYP. OF 4)

10. TO ROUGH-IN.

11. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR FOR ADDITIONAL DEVICES IN THIS AREA PLEASE REFER TO FLOOR ABOVE.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-THERMAL LINK OF EACH UNIT.

13. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED MANUFACTURER.

14. REFER TO SECURITY/DOMACE DETECTORS FOR INSTALLATION BY SECURITY

15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO ROUGH-IN.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-THERMAL LINK OF EACH UNIT.

17. TYPICALLY ALL SPEAKER/STROBE UNITS SHALL BE WIRED IN A FASHION THAT THE SPEAKER & STROBE IS SILENCED SIMULTANEOUSLY.

18. DIVIDER CURTAIN SEE LANDSCAPE/STRUCTURAL DRAWINGS FOR EXTERIOR STAIR DETAILS
GENERAL FIRE ALARM NOTES:

1. E.C. SHALL REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY, SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.
2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.
3. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.

4. TYPICALLY FIRE Alarm SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.

5. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC.

6. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH MECHANICAL CONTRACTOR.

7. PROVIDE 24 VOLT DC ELECTRICAL IMPULSE FROM FACP OF APPROXIMATELY 0.2 AMPS VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-THERMAL LINK OF EACH UNIT.

8. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

9. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED MANUFACTURER.

10. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMoke DAMPER - FURNISHED & INSTALLED BY HVAC.

11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM ACTIVATION.

13. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.

14. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED MANUFACTURER.

FIRE ALARM SYSTEM HAUL acceptable wiring:

- MC CABLE IS ALLOWED WHERE APPROPRIATE.
- ALL WIRING HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.
- PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.

CONTROL MODULE FOR MUTING LOCAL SOUND
GENERAL FIRE ALARM NOTES:

1. E.C. SHALL REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY, PARTS, ETC.

2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRED BY E.C.; INSTALLED BY HVAC.

3. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.

4. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING SHALL BE INSTALLED IN CONDUIT OR SURFACE METAL RACEWAY. MC CABLE IS ALLOWED WHERE CONCEALED.

5. TYPICALLY ALL SPEAKER/STROBE UNITS SHALL BE WIRED IN A FASHION THAT THE SPEAKER & STROBE IS SILENCED SIMULTANEOUSLY.

6. ALL EMERGENCY ROOMS ARE (2) HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.

7. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.

8. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH HARDWARE SUPPLIER PRIOR TO ROUGHING.

9. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

10. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC CONTRACTOR, WIRED BY E.C.. FIRE ALARM INTERLOCK WIRING BY E.C. PROVIDE A CONTROL MODULE FOR EACH UNIT AND INTERLOCK EACH DAMPER SO THAT DAMPER IS POWERED OPEN AND IS SPRING CLOSED. LOCATE CONTROL MODULES ADJACENT TO DAMPERS. REFER TO HVAC DRAWINGS FOR DAMPER LOCATIONS. CONNECT TO THE NEAREST 120 VOLT BRANCH CIRCUIT.

11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

13. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR ACTUATION OF ADJACENT SMOKE DAMPER PER INTERNATIONAL MECHANICAL CODE (IMC) 2009, 607.3.3.2.1.

14. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED MANUFACTURER.

15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO ROUGH-IN.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING STAGE/AUDITORIUM. PROVIDE 24 VOLT DC ELECTRICAL IMPULSIVE FROM FACP OF APPROXIMATELY 0.2 AMPS VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-THERMAL LINK OF EACH UNIT.

17. CONTROL MODULE TO RELEASE FIRE CURTAIN VIA FIRE CURTAIN CONTROL PANEL UPON ACTIVATION OF ANY ONE OF THE THREE HEAT DETECTORS.
GENERAL FIRE ALARM NOTES:

1. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

2. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

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33. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

34. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

35. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

36. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

37. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

38. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

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41. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

42. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

43. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

44. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

45. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

46. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

47. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

48. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

49. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.

50. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER OUTLET.
GENERAL FIRE ALARM NOTES:

1. E.C. SHALL REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY, PARTS, ETC.

2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRED BY E.C.; INSTALLED BY HVAC.

3. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.

4. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING SHALL BE INSTALLED IN CONDUIT OR SURFACE METAL RACEWAY. MC CABLE IS ALLOWED WHERE CONCEALED.

5. TYPICALLY ALL SPEAKER/STROBE UNITS SHALL BE WIRING IN A FASHION THAT THE SPEAKER & STROBE IS SILENCED SIMULTANEOUSLY.

6. ALL EMERGENCY ROOMS ARE (2) HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.

7. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.

8. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH HARDWARE SUPPLIER PRIOR TO ROUGHING.

9. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

10. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC CONTRACTOR, WIRED BY E.C.. FIRE ALARM INTERLOCK WIRING BY E. C. PROVIDE A CONTROL MODULE FOR EACH UNIT AND INTERLOCK EACH DAMPER SO THAT DAMPER IS POWERED OPEN AND IS SPRING CLOSED. LOCATE CONTROL MODULES ADJACENT TO DAMPERS. REFER TO HVAC DRAWINGS FOR DAMPER LOCATIONS. CONNECT TO THE NEAREST 120 VOLT BRANCH CIRCUIT.

11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

13. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR ACTUATION OF ADJACENT SMOKE DAMPER PER INTERNATIONAL MECHANICAL CODE (IMC) 2009, 607.3.3.2.1.

14. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED MANUFACTURER.

15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO ROUGH-IN.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING STAGE/AUDITORIUM. PROVIDE 24 VOLT DC ELECTRICAL IMPULSE FROM FACP OF APPROXIMATELY 0.2 AMPS VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-THERMAL LINK OF EACH UNIT.

17. CONTROL MODULE TO RELEASE FIRE CURTAIN VIA FIRE CURTAIN CONTROL PANEL UPON ACTIVATION OF ANY ONE OF THE THREE HEAT DETECTORS.

Note: Additional details and specifications may be included in the drawing or not mentioned in this brief summary.
GENERAL FIRE ALARM NOTES:

11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING ONE OF THE THREE HEAT DETECTORS.

HARDWARE SUPPLIER PRIOR TO ROUGHING.

TO ROUGH-IN.

VIA CONTROL MODULE FOR ACTUATION OF THE ELECTROTHERMAL LINK OF EACH UNIT.

E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTORS FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR UNLOCKING DOOR ON FIRE ALARM.

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CONTRACTOR, WIRED BY E.C., FIRE ALARM INTERLOCK WIRING BY E.C. PROVIDE A CONTROL MODULE FOR BC Entry.

CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM.

ONE OF THE THREE HEAT DETECTORS.

75 SF

8' MB

S

51 SF

MANUFACTURER.

75cd

126

75cd

126B

BE.3

87 SF

C1

884 SF

6' MB

6' MB

H

DH

Corridor

S

F CLG

125

CM FSD

S

857 SF

F1

CR

15cd

124G

668 SF

F CLG

1243 SF

Corridor

C 5-1

KEYPLAN ABCDEF

PLAN NORTH

8'x3'-7" MB

DATA

Electrical Tech

BF.3

LC

6' MB

6' MB

D H

Cust CL

8'x3'-7" MB

BG.5

121 SF

Art Sto

C2

F CLG

370 Faunce Corner Road, Dartmouth, MA

1243 SF

Corridor

C 5-1

REVISIONS NO.

6' MB

D H

H

G D

133A

E4.1D

131A

15cd

124C

75cd

118

116C

124B

895 SF

A4

200°

66 SF

8' MB

Corridor

S

F CLG

209 SF

F

CLG

1222 SF

A3.4

1217 SF

Bedroom

AJ

890 SF

F CLG

100% CONFORMED SET - FOR CONSTRUCTION 9/12/16

W W Off

75SF

39

75cd

118A

F CLG

75cd

116C

LC 1-2

859 SF

Teacher Planning

75cd

117

116C

124A

SMOKE DETECTORS MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRED BY E.C.; INSTALLED BY HVAC.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM.

5. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

6. ALL EMERGENCY ROOMS ARE (2) HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.

7. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

8. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH ARCHITECT.

9. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

10. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC.

11. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

12. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING STAGE/AUDITORIUM.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING STAGE/AUDITORIUM.

13. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRED FOR 240 VOLTS, 60 HERTZ.

17. CONTROL MODULE TO RELEASE FIRE CURTAIN VIA FIRE CURTAIN CONTROL PANEL UPON ACTIVATION OF ANY ONE OF THE THREE HEAT DETECTORS.

14. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC.

18. CONTROL MODULE TO RELEASE FIRE CURTAIN VIA FIRE CURTAIN CONTROL PANEL UPON ACTIVATION OF ANY ONE OF THE THREE HEAT DETECTORS.

15. PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.
EACH UNIT AND INTERLOCK EACH DAMPER SO THAT DAMPER IS POWERED OPEN AND IS SPRING CLOSED.

CONNECT TO THE NEAREST 120 VOLT BRANCH CIRCUIT.

HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.

1. E.C. SHALL REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY, SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.

2. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF PARTS, ETC.

3. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

4. REFER TO ELECTRICAL INSTALLATION FOR UNITS OF DEVICE WHERE CAPACITY

5. REFER TO ELECTRICAL DRAWINGS FOR UNIT LOCATION OF SEPARATE CONTROL PANEL.

6. REFER TO SPECIFICATIONS FOR UNIT VARIOUS EASIER.

7. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

8. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH E.C.

9. REFER TO SPECIFICATIONS FOR UNIT VARIOUS EASIER.

10. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC MANUFACTURER.

11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM ACTIVATION.

13. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR RELEASE OF SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING

14. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING

17. CONTROL MODULE TO RELEASE FIRE CURTAIN VIA FIRE CURTAIN CONTROL PANEL UPON ACTIVATION OF ANY

18. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

19. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

20. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

21. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

22. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

23. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.
GUIDE DIR

D1

8. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH LOCATE CONTROL MODULES ADJACENT TO DAMPERS. REFER TO HVAC DRAWINGS FOR DAMPER LOCATIONS.

15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO ROUGHING.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING STAGE/AUDITORIUM. PROVIDE 24 VOLT DC ELECTRICAL IMPULSE FROM FACP OF APPROXIMATELY 0.2 AMPS TO CONTROL MODULE TO RELEASE FIRE CURTAIN VIA FIRE CURTAIN CONTROL PANEL UPON ACTIVATION OF ANY FIRE ALARM CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

14. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED EQUIPMENT IN THIS AREA.

14. REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF PARTS, ETC.

2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRED BY E.C.; INSTALLED BY HVAC. HARDWARE SUPPLIER PRIOR TO ROUGHING.

13. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR ACTUATION OF ADJACENT SMOKE DAMPER PER INTERNATIONAL MECHANICAL CODE (IMC) 2009, 607.3.3.2.1.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM
CONTRACTOR, WIRED BY E.C.. FIRE ALARM INTERLOCK WIRING BY E. C. PROVIDE A CONTROL MODULE FOR 1. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED STAGE/AUDITORIUM. PROVIDE 24 VOLT DC ELECTRICAL ILLUMINATE FROM FACP OF APPROXIMATELY 0.2 AMPS VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-THERMAL LINK OF EACH UNIT.

GENERAL FIRE ALARM NOTES:
1. REFER TO HOSPITAL DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRED BY E.C.; INSTALLED BY HVAC.

5. TYPICALLY ALL SPEAKER/STROBE UNITS SHALL BE WIRED IN A FASHION THAT THE SPEAKER & STROBE IS HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.

6. ALL EMERGENCY ROOMS ARE (2) HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.

7. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF HARDWARE SUPPLIER PRIOR TO ROUGHING.

10. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC TO ROUGH-IN.

11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM ACTIVATION.

15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO INSTALLATION.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING ONE OF THE THREE HEAT DETECTORS.

17. CONTROL MODULE TO RELEASE FIRE CURTAIN VIA FIRE CURTAIN CONTROL PANEL UPON ACTIVATION OF ANY ONE OF THE THREE HEAT DETECTORS.

2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT PARTS, ETC.

4. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING SHALL BE INSTALLED IN CONDUIT OR SURFACE METAL RACE WAY. MC CABLE IS ALLOWED WHERE CONNECTED TO THE NEAREST 120 VOLT BRANCH CIRCUIT.

8. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH E.C. FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR EACH UNIT AND INTERLOCK EACH DAMPER SO THAT DAMPER IS POWERED OPEN AND IS SPRING CLOSED. LOCATE CONTROL MODULES ADJACENT TO DAMPERS. REFER TO HVAC DRAWINGS FOR DAMPER LOCATIONS.

13. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR 5. ALL EMERGENCY ROOMS ARE (2) HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.

2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRED BY E.C.; INSTALLED BY HVAC.

5. TYPICALLY ALL SPEAKER/STROBE UNITS SHALL BE WIRED IN A FASHION THAT THE SPEAKER & STROBE IS HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.

6. ALL EMERGENCY ROOMS ARE (2) HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.

7. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF HARDWARE SUPPLIER PRIOR TO ROUGHING.

10. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC TO ROUGH-IN.

11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM ACTIVATION.

15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO INSTALLATION.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING ONE OF THE THREE HEAT DETECTORS.

17. CONTROL MODULE TO RELEASE FIRE CURTAIN VIA FIRE CURTAIN CONTROL PANEL UPON ACTIVATION OF ANY ONE OF THE THREE HEAT DETECTORS.
GENERAL FIRE ALARM NOTES:
1. E.C. SHALL REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY, PARTS, ETC.
2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRING BY E.C.; INSTALLED BY HVAC.
3. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.
4. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING SHALL BE INSTALLED IN CONDUIT OR SURFACE METAL RACE WAY. MC CABLE IS ALLOWED WHERE CONCEALED.
5. TYPICALLY ALL SPEAKER/STROBE UNITS SHALL BE WIRED IN A FASHION THAT THE SPEAKER & STROBE IS SILENCED SIMULTANEOUSLY.
6. ALL EMERGENCY ROOMS ARE (2) HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.
7. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.
8. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH HARDWARE SUPPLIER PRIOR TO ROUGHING.
9. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.
10. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC CONTRACTOR, WIRED BY E.C.. FIRE ALARM INTERLOCK WIRING BY E.C. PROVIDE A CONTROL MODULE FOR EACH UNIT AND INTERLOCK EACH DAMPER SO THAT DAMPER IS POWERED OPEN AND IS SPRING CLOSED. LOCATE CONTROL MODULES ADJACENT TO DAMPERS. REFER TO HVAC DRAWINGS FOR DAMPER LOCATIONS. CONNECT TO THE NEAREST 120 VOLT BRANCH CIRCUIT.
11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.
12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.
13. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR ACTUATION OF ADJACENT SMOKE DAMPER PER INTERNATIONAL MECHANICAL CODE (IMC) 2009, 607.3.3.2.1.
14. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED MANUFACTURER.
15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO ROUGH-IN.
16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING STAGE/AUDITORIUM. PROVIDE 24 VOLT DC ELECTRICAL IMPULSE FROM FACP OF APPROXIMATELY 0.2 AMPS VIA CONTROL MODULE FOR ACTUATION OF THE ELECTROTHERMAL LINK OF EACH UNIT.
17. CONTROL MODULE TO RELEASE FIRE CURTAIN VIA FIRE CURTAIN CONTROL PANEL UPON ACTIVATION OF ANY ONE OF THE THREE HEAT DETECTORS.
GENERAL FIRE ALARM NOTES:

1. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.

2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRED BY E.C.; INSTALLED BY HVAC.

3. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER SUPPLY TO SERVE ALL SPEAKER/STROBE UNITS ON RESPECTIVE FLOORS.

4. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING SHALL BE INSTALLED IN CONDUIT OR SURFACE METAL RACEWAY. MC CABLE IS ALLOWED WHERE PERMITTED.

5. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

6. ALL EMERGENCY ROOMS ARE 2-HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.

7. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.

8. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH HARDWARE SUPPLIER PRIOR TO ROUGHING.

9. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

10. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC CONTRACTOR, WIRED BY E.C.. FIRE ALARM INTERLOCK WIRING BY E.C. PROVIDE A CONTROL MODULE FOR EACH UNIT AND INTERLOCK EACH DAMPER SO THAT DAMPER IS POWERED OPEN AND IS SPRING CLOSED.

11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

12. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR ACTUATION OF ADJACENT SMOKE DAMPER PER INTERNATIONAL MECHANICAL CODE (IMC) 2009, 607.3.3.2.1.

13. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED MANUFACTURER.

14. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO ROUGHING.

16. CONTROL MODULE TO RELEASE FIRE CURTAIN VIA FIRE CURTAIN CONTROL PANEL UPON ACTIVATION OF ANY ONE OF THE THREE HEAT DETECTORS.

17. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

18. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

19. PROVIDE A CONTROL MODULE FOR EACH UNIT AND INTERLOCK EACH DAMPER SO THAT DAMPER IS POWERED OPEN AND IS SPRING CLOSED.

20. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR ACTUATION OF ADJACENT SMOKE DAMPER PER INTERNATIONAL MECHANICAL CODE (IMC) 2009, 607.3.3.2.1.

21. PROVIDE A CONTROL MODULE FOR EACH UNIT AND INTERLOCK EACH DAMPER SO THAT DAMPER IS POWERED OPEN AND IS SPRING CLOSED.
GENERAL FIRE ALARM NOTES:

1. E.C. SHALL REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY, PARTS, ETC.

2. PROVIDE EACH FIRE ALARM TERMINAL CABINET AND FIRE ALARM CONTROL PANEL WITH AN ADA POWER CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

3. PROVIDE EACH UNIT AND INTERLOCK EACH DAMPER SO THAT DAMPER IS POWERED OPEN AND IS SPRING CLOSED.

4. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING CONCEALED.

5. TYPICALLY ALL SPEAKER/STROBE UNITS SHALL BE WIRED IN A FASHION THAT THE SPEAKER & STROBE IS CONNECTED TO THE NEAREST 120 VOLT BRANCH CIRCUIT.

6. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

7. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF HARDWARE DEVICES.

8. PROVIDE A CONTROL MODULE FOR EACH UNIT AND INSTALL IT ONCE FOR EACH CARBON MONOXIDE DETECTOR.

9. TYPICALLY PROVIDE ONE (1) MOUNTED SMOKE DETECTORS. DUCT DETECTORS FURNISHED AND WIRED BY E.C.; INSTALLED BY HVAC

10. LOCATE CONTROL MODULES ADJACENT TO DAMPERS. REFER TO HVAC DRAWINGS FOR DAMPER LOCATIONS.

11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL TO RELEASE UPON ANY FIRE ALARM ACTUATION OF ADJACENT SMOKE DAMPER PER INTERNATIONAL MECHANICAL CODE (IMC) 2009, 607.3.3.2.1.

13. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRED FOR MANUFACTURER.

14. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO ROUGH-IN.

15. PROVIDE 24 VOLT DC ELECTRICAL IMPULSE FROM FACP OF APPROXIMATELY 0.2 AMPS VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-THERMAL LINK OF EACH UNIT.

16. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO ROUGH-IN.
E.C. SHALL REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY, HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED.

MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC

ACTUATION OF ADJACENT SMOKE DAMPER PER INTERNATIONAL MECHANICAL CODE (IMC) 2009, 607.3.3.2.1.

ONE OF THE THREE HEAT DETECTORS.

CONNECT TO THE NEAREST 120 VOLT BRANCH CIRCUIT.

5. TYPICALLY ALL SPEAKER/STROBE UNITS SHALL BE WIRED IN A FASHION THAT THE SPEAKER & STROBE IS SILENCED SIMULTANEOUSLY.

6. ALL EMERGENCY ROOMS ARE (2) HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.

10. MECHANICAL EQUIPMENT, MOTORIZED FIRE/SMOKE DAMPER - FURNISHED & INSTALLED BY HVAC

LOCATE CONTROL MODULES ADJACENT TO DAMPERS. REFER TO HVAC DRAWINGS FOR DAMPER LOCATIONS.

12. CONNECT CONTROL MODULE TO FIRE SHUTTER CONTROL PANEL UPON ACTIVATION OF ANY FIRE ALARM CONDITION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

14. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED MANUFACTURER.

15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO ROUGHING.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING STAGE/AUDITORIUM. PROVIDE 24 VOLT DC ELECTRICAL IMPULSE FROM FACP OF APPROXIMATELY 0.2 AMPS.

GENERAL FIRE ALARM NOTES:

2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT SHAL BE INSTALLED IN CONDUIT OR SURFACE METAL RACE WAY. MCC CABLING IS ALLOWED WHERE MC CABLING IS ALLOWED WHERE

4. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING

7. TYPICALLY REFER TO DOOR HARDWARE, SCHEDULES & DRAWINGS FOR LOCATIONS & QUANTITIES OF HARDWARE SUPPLIER PRIOR TO ROUGHING.

11. PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.

13. TYPICALLY PROVIDE (1) MONITOR MODULE FOR EACH CARBON MONOXIDE DETECTOR.
GENERAL FIRE ALARM NOTES:

1. E.C. SHALL REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY.

2. E.C. SHALL REFER TO HVAC DRAWINGS FOR EXACT LOCATION OF HVAC UNITS AND FOR LOCATIONS OF DUCT PARTS, ETC.

3. TYPICALLY ALL SPEAKER/STROBE UNITS SHALL BE WIRED IN A FASHION THAT THE SPEAKER & STROBE IS CONNECT TO THE NEAREST 120 VOLT BRANCH CIRCUIT.

4. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING CONDUCTORS SHALL BE #14 AWG, TYPE THWN-2. WIRING CONDUCTORS SHALL BE MARKED BY LOCATION AND FOR THE TYPE OF CONNECTION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

5. TYPICALLY FIRE ALARM SYSTEM HARDWARE EQUIPMENT AFFECTING THIS SECTION. PROVIDE ALL WORK AS REQUIRED. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH HARDWARE SUPPLIER PRIOR TO ROUGHING.

6. ALL EMERGENCY ROOMS ARE (2) HOUR RATED. FIREPROOF PENETRATIONS AS REQUIRED.

7. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO INSTALLATION. PROVIDE 24 VOLT DC ELECTRICAL IMPULSE FROM FACP OF APPROXIMATELY 0.2 AMPS VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-MECHANICAL LINK OF EACH UNIT.

8. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH HARDWARE SUPPLIER PRIOR TO ROUGHING.

9. REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY.

10. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING CONDUCTORS SHALL BE #14 AWG, TYPE THWN-2. WIRING CONDUCTORS SHALL BE MARKED BY LOCATION AND FOR THE TYPE OF CONNECTION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

11. ALL PULL STATIONS TO BE PROVIDED WITH TAMPERPROOF COVERS WITH LOCAL ALARM.

12. GENERAL FIRE ALARM NOTES:

13. E.C. SHALL FURNISH DUCT TYPE SMOKE DETECTOR FOR INSTALLATION BY HVAC. E.C. SHALL WIRE FOR ACTUATION OF ONE OF THE THREE HEAT DETECTORS.

14. TYPICALLY MOUNT CARBON MONOXIDE DETECTORS @ 80" A.F.F. OR AS DIRECTED BY APPROVED TESTING LAB.

15. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT LOCATIONS OF ALL FLOW AND TAMPER SWITCHES PRIOR TO INSTALLATION. PROVIDE 24 VOLT DC ELECTRICAL IMPULSE FROM FACP OF APPROXIMATELY 0.2 AMPS VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-MECHANICAL LINK OF EACH UNIT.

16. CONTROL MODULE TO RELEASE SMOKE VENTS UPON ACTIVATION OF AUDITORIUM FLOW SWITCH SERVING STAGE/AUDITORIUM. PROVIDE 24 VOLT DC ELECTRICAL IMPULSE FROM FACP OF APPROXIMATELY 0.2 AMPS VIA CONTROL MODULE FOR ACTUATION OF THE ELECTRO-MECHANICAL LINK OF EACH UNIT.

17. REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY.

18. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING CONDUCTORS SHALL BE #14 AWG, TYPE THWN-2. WIRING CONDUCTORS SHALL BE MARKED BY LOCATION AND FOR THE TYPE OF CONNECTION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

19. REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY.

20. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING CONDUCTORS SHALL BE #14 AWG, TYPE THWN-2. WIRING CONDUCTORS SHALL BE MARKED BY LOCATION AND FOR THE TYPE OF CONNECTION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

21. REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY.

22. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING CONDUCTORS SHALL BE #14 AWG, TYPE THWN-2. WIRING CONDUCTORS SHALL BE MARKED BY LOCATION AND FOR THE TYPE OF CONNECTION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

23. REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY.

24. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING CONDUCTORS SHALL BE #14 AWG, TYPE THWN-2. WIRING CONDUCTORS SHALL BE MARKED BY LOCATION AND FOR THE TYPE OF CONNECTION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.

25. REFER TO SPECIFICATIONS AND DRAWINGS FOR QUANTITY OF DEVICES, SPARE CAPACITY.

26. TYPICALLY FIRE ALARM SYSTEM POWER CONDUCTORS SHALL BE #14 AWG, TYPE THHN SOLID. ALL WIRING CONDUCTORS SHALL BE #14 AWG, TYPE THWN-2. WIRING CONDUCTORS SHALL BE MARKED BY LOCATION AND FOR THE TYPE OF CONNECTION OR AS DIRECTED BY FIRE DEPT. COORDINATE LOCATIONS OF FIRE SHUTTERS WITH ARCHITECT.
GENERAL SECURITY NOTES:

1. IN ORDER TO SECURE THE FACILITY, IT IS IMPORTANT TO COORDINATE FINAL SECURITY ZONES WITH THE OWNER. PROGRAM STAFF IS RESPONSIBLE FOR THE SECURITY OF THE SCHOOL'S PROPERTY.

2. IESS TO COORDINATE FINAL SECURITY ZONES WITH OWNER. PROGRAM STAFF IS RESPONSIBLE FOR THE SECURITY OF THE SCHOOL'S PROPERTY.

3. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND ACTUATION OF PANIC STATION. SECURITY PERSONNEL SHALL BE NOTIFIED.

4. CONTROL HARDWARE AT EACH DOOR WITH EITHER POWER ASSIST OR REX ACTIVATION.

5. CONTROL HARDWARE AT EACH DOOR WITH EITHER POWER ASSIST OR REX ACTIVATION.

6. CONTROL HARDWARE AT EACH DOOR WITH EITHER POWER ASSIST OR REX ACTIVATION.

7. CONTROL HARDWARE AT EACH DOOR WITH EITHER POWER ASSIST OR REX ACTIVATION.

8. CONTROL HARDWARE AT EACH DOOR WITH EITHER POWER ASSIST OR REX ACTIVATION.

9. CONTROL HARDWARE AT EACH DOOR WITH EITHER POWER ASSIST OR REX ACTIVATION.

10. CONTROL HARDWARE AT EACH DOOR WITH EITHER POWER ASSIST OR REX ACTIVATION.
GENERAL SECURITY NOTES:

1. PROVIDE CORNER MOUNTED MOTION SENSOR WHENEVER POSSIBLE.
2. IESS TO COORDINATE FINAL SECURITY ZONES WITH OWNER.
3. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH HARDWARE SUPPLIER PRIOR TO ROUGHING.
4. SECURITY PANIC SWITCH. DOOR SHALL REMAIN SECURED UPON ACTIVATION OF PANIC STATION. SECURITY PERSONNEL SHALL BE NOTIFIED.
5. INTERFACE HANDICAP DOOR CONTROLLER WITH RESPECTIVE ACCESS CONTROL HARDWARE AT EACH DOOR WITH EITHER POWER ASSIST OR HANDICAP PUSH PLATE.

KEYPLAN ABCDEF
TRUE NORTH
PLAN NORTH
REVISIONS NO.
DRAWING NUMBER JOB NUMBER
SCALE: 1/8" = 1'-0"
GENERAL SECURITY NOTES:

1. PROVIDE CORNER MOUNTED MOTION SENSOR WHENEVER POSSIBLE.
2. IESS TO COORDINATE FINAL SECURITY ZONES WITH OWNER.
3. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH HARDWARE SUPPLIER PRIOR TO ROUGHING.
4. SECURITY PANIC SWITCH. DOOR SHALL REMAIN SECURED UPON ACTIVATION OF PANIC STATION. SECURITY PERSONNEL SHALL BE NOTIFIED.
5. INTERFACE HANDICAP DOOR CONTROLLER WITH RESPECTIVE ACCESS CONTROL HARDWARE AT EACH DOOR WITH EITHER POWER ASSIST OR HANDICAP PUSH PLATE.
GENERAL SECURITY NOTES:

1. PROVIDE CORNER MOUNTED MOTION SENSOR WHENEVER POSSIBLE.

2. IESS TO COORDINATE FINAL SECURITY ZONES WITH OWNER. PROGRAM PER OWNER’S DIRECTIONS.

3. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HoldERS AND OTHER HARDWARE DEVICES WITH HARDWARE SUPPLIER PRIOR TO ROUGHING.

4. SECURITY PANIC SWITCH. DOOR SHALL REMAIN SECURED UPON ACTIVATION OF PANIC STATION. SECURITY PERSONNEL SHALL BE NOTIFIED.

5. INTERFACE HANDICAP DOOR CONTROLLER WITH RESPECTIVE ACCESS CONTROL HARDWARE AT EACH DOOR WITH EITHER POWER ASSIST OR HANDICAP PUSH PLATE.