

DECO ARCHITECTS

Somerset, Kentucky . (606)307-2561
www.decoarchitects.co

SKY ENGINEERING

MECHANICAL • ELECTRICAL • PLUMBING

(270)-599-0182

1830 DESTINY LANE, SUITE 113 . BOWLING GREEN, KY

ACT JUSTLY . LOVE MERCY . WALK HUMBLY

MICAH 6:8

SITE

SEWELL INSPECTIONS,
TESTING AND ENGINEERING

PO BOX 22651

NASHVILLE, TN 37202

PHONE (270) 779-3161

PROJECT ARCHITECT

MEP CONSULTANT

CIVIL ENGINEER



AN EDUCATIONAL FACILITY RENOVATION FOR

HORIZON ACADEMY

ELKTON, KENTUCKY

GENERAL SERIES (DECO ARCHITECTS)

- G1.00 COVER SHEET
G2.00 WATER BOTTLE FILLING STATIONS
G3.00 GENERAL NOTES

CIVIL SERIES (SITE)

- C500 PAVEMENT IMPROVEMENTS

DEMOLITION SERIES (DECO ARCHITECTS)

- D0.00 EXISTING PHOTOS
D1.00 FIRST FLOOR PLAN

MECHANICAL SERIES (SKY ENGINEERING)

- M1.01 MECH. CONTROLS AND GPS UNIT

ELECTRICAL SERIES (SKY ENGINEERING)

- E1.00 CCTV & ACCESS CONTROL OVERALL PLAN

NOTE TO PLAN REVIEWER

THE INTENT OF THIS PROJECT IS TO UPGRADE TO AN ACCESS CONTROL SYSTEM AND PERFORM VARIOUS MAINTENANCE UPGRADES. THERE WILL BE NO SUBSTANTIAL RENOVATION NOR ADDITIONAL SQUARE FOOTAGE ADDED TO THE BUILDING.

OCCUPANCY.....E
CONSTRUCTION TYPE.....II-B
BUILDING AREA (ALL AREA UNDER ROOF).....5,119 SQFT TOTAL
FIRST FLOOR.....

STORIES ABOVE GRADE.....I
HEIGHT ABOVE GRADE.....20'

OCCUPANT LOAD.....87 OCCUPANTS
ALLOWABLE FIRE AREA PER SECTION 903.2.1.3.....N/A
FIRE SUPPRESSION.....NO
FIRE RATINGS.....N/A
FIRE ALARM REQUIRED PER SECTION 907.2.1.....EXISTING SYSTEMS IN PLACE
SMOKE DETECTOR REQUIRED.....EXISTING SYSTEMS IN PLACE
ALLOWABLE LENGTH OF DEAD END CORRIDORS.....20'-0"
ALLOWABLE EXIT ACCESS TRAVEL DISTANCE.....200'-0"
FIRE SEPARATION REQUIREMENTS PER TABLE 508.4.....1 HOUR AT FIT-UP BOUNDARIES

PROJECT LOCATION WITHIN CITY LIMITS.....YES - ELKTON
COUNTY.....TODD COUNTY
NUMBER OF BUILDINGS IN THIS SUBMITTAL.....1
USE OF BUILDING(S).....EDUCATIONAL
BUILDING(S) IN THIS PROJECT IS/ARE.....☐ NEW FREESTANDING BUILDING
☐ NEW ADDITION TO EXISTING STRUCTURE
☒ RENOVATION ONLY
☐ RENOVATION & ADDITION

TOTAL AREA IN NEW BUILDING OR ADDITION.....N/A
NUMBER OF LEVELS (INCLUDING BASEMENT).....1
BASEMENT.....NO
TOTAL AREA IN EXISTING BUILDING.....5,119 SQFT
DATE CONSTRUCTION TO BEGIN.....ASAP
ESTIMATED COMPLETION DATE.....ASAP

PLUMBING DATA

DESIGN CAPACITY OF BUILDING.....NO INCREASE IN OCCUPANT LOAD

ARE RESTROOMS ACCESSIBLE TO PUBLIC.....YES
ARE RESTROOMS ACCESSIBLE TO DISABLE.....YES
SEWAGE DISPOSAL.....☒ MUNICIPAL
☐ PRIVATE

WATER SUPPLY.....☒ PUBLIC
☐ RILLED WELL
☐ CISTERN
☐ HAULED WATER
☐ ROOF WATER
☐ SPRING
☐ STEAM
☐ IF PRIVATE INDICATE THE TYPE AND DESIGN

TABLE OF CONTENTS

RECIPIENT:

CLIENT REVIEW.....☐
DHBC.....☐
LOCAL.....☐
KDE.....☐

DOCUMENT TYPE:

PERMIT/ABRIDGED.....☐
PRIVATE BID.....☐
PUBLIC BID.....☐
DESIGN-BUILD.....☐

SCOPE OF SERVICES

PROJECT DATA

THE STATE OF KENTUCKY ENFORCES THE FOLLOWING BUILDING CODES (PROVIDED BY THE DEPARTMENT OF HOUSING, BUILDINGS AND CONSTRUCTION - DIVISION OF BUILDING CODES ENFORCEMENT):

2018 KENTUCKY BUILDING CODE (BASED ON THE 2015 INTERNATIONAL BUILDING CODE)
2018 KENTUCKY BUILDING RESIDENTIAL CODE (BASED ON THE 2012 INTERNATIONAL RESIDENTIAL CODE)
2015 INTERNATIONAL MECHANICAL CODE
2012 INTERNATIONAL FIRE CODE (NEW CONSTRUCTION PROJECTS, ONLY WHEN SPECIFICALLY REFERENCED BY THE BODY OF KBC)
2012 INTERNATIONAL ENERGY CONSERVATION CODE
2009 ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
KENTUCKY STATE PLUMBING LAW, REGULATIONS & CODE (815 KAR CHAPTER 20)
STATE BOILER REGULATION (KRS 236, 815 KAR 15)
2012 NFPA 1 FIRE PREVENTION CODE (AS DIRECTED BY 815 KAR 10.60 KENTUCKY STANDARDS OF SAFETY)
2010 NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
2010 NFPA 13B - SPRINKLER SYSTEMS IN ONE- AND TWO-FAMILY DWELLINGS AND MANUFACTURED HOMES
2010 NFPA 13R - STANDPIPE, HOSE SYSTEMS
2009 NFPA 54- NATIONAL FUEL GAS CODE
2017 NFPA 70- NATIONAL ELECTRICAL CODE
2010 NFPA 72- NATIONAL FIRE ALARM AND SIGNALING CODE
2012 NFPA 101- LIFE SAFETY CODE (HEALTH CARE FACILITIES)
GB-03-01- STRUCTURAL ENGINEERS ASSOCIATION OF KENTUCKY - SPECIAL INSPECTION GUIDELINES, THIRD EDITION, MARCH 2007.

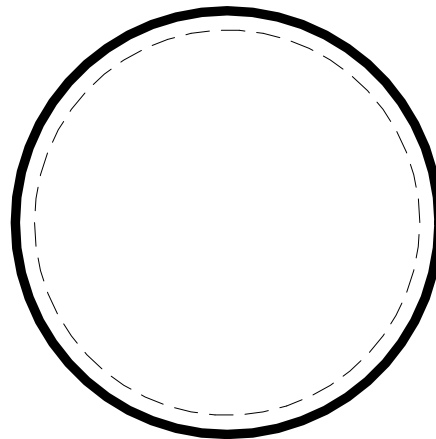
THE ABOVE IS FOR REFERENCE ONLY AND IS ONLY REPRESENTATIVE OF THE MANY CODES AND STANDARDS CURRENTLY USED IN KENTUCKY. FOR SPECIFIC APPLICATIONS NOT LISTED ABOVE, CONTACT THE DEPARTMENT OF HOUSING, BUILDINGS AND CONSTRUCTION, DIVISION OF BUILDING CODES ENFORCEMENT AT (502) 573-0373 OR REFER TO CHAPTER 35 OF THE KBC.

SCOPE OF SERVICES

KENTUCKY BUILDING CODES



DESIGN PROFESSIONAL



PLAN REVIEWER

IF NO STAMP IS PRESENT, PLAN REVIEW MAY BE PENDING.
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PERMITS AND APPROVALS ARE OBTAINED PRIOR TO COMMENCING WORK.

BY FAB, CLP

DATE 02/17/2021

SET CLIENT REVIEW



REVISION DESCRIPTION

X DDMMYYYY REVISION DESCRIPTION

DECO ARCHITECTS

Somerset, Kentucky
(606)687 - 9233
www.decoarchitects.co

HORIZON ACADEMY
(RENOVATION) EDUCATIONAL
FACILITY (2021)

806 S. MAIN ST.
ELKTON, KENTUCKY 42220
CONTRACT 20201223

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COVER SHEET

G1.00

GENERAL

ELKAY[®]
SPECIFICATIONS

Elkay EZH2O Bottle Filling Station & Versatile Bi-Level ADA Cooler
Filtered 8 GPH Light Gray
Model LZSTL8WSLK

PRODUCT SPECIFICATIONS

Elkay ezH2O Bottle Filling Station & Versatile Bi-Level ADA Cooler, Filtered 8 GPH Light Gray. Chilling Capacity of 8.0 GPH (gallons per hour) of 50° F drinking water, based on 80° F inlet water and 90° F ambient, per ASHRAE 18 testing. Features shall include Hands Free, Visual Filter Monitor, Filtered, Green Ticker™, Laminar Flow, Antimicrobial, Real Drain. Furnished with Flex-Guard® Safety Bubbler. Electronic Bottle Filler Sensor With Electronic Front And Side Bubbler Pushbar activation. Product shall be Wall Mount (On Wall), for indoor applications, serving 2 station(s). Unit shall be certified to UL 399 and CAN/CSA C22.2 No. 120. Unit shall be lead-free design which is certified to NSF/ANSI 61 & 372 (lead free) and meets Federal and State low-lead requirements.

Special Features:	Hands Free, Visual Filter Monitor, Filtered, Green Ticker™, Laminar Flow, Antimicrobial, Real Drain
Finish:	Light Gray Granite
Power:	115V/60Hz
Bubbler Style:	Flex-Guard® Safety Bubbler
Activation by:	Electronic Bottle Filler Sensor With Electronic Front And Side Bubbler Pushbar
Mounting Type:	Wall Mount (On Wall)
Chilling Option*:	8.0 GPH
Full Load Amps:	6
Rated Watts:	370
Dimensions (L x W x H):	36-3/4" x 19" x 38-1/16"
Approx. Shipping Weight:	104 lbs.
Installation Location:	Indoor
No. of Stations Served:	2

*Based on 50° F inlet water & 90° F ambient air temp for 50° F chilled drinking water.

- Special Note:** *Coming soon: The Elkay ezH2O you know and love is getting a fresh look, as shown here. In stock models may have prior logo design.
- Visual Filter Monitor: LED Filter Status Indicator for when filter change is necessary.
 - Filter is certified to NSF 42 and 53 for lead, particulate, chlorine, taste and odor reduction, 3,000 gal. capacity.
 - Green Ticker: Informs user of number of 20 oz. plastic water bottles saved from waste.
 - Laminar flow provides clean fill with minimal splash.
 - Silver Ion Antimicrobial protection on key plastic components to inhibit the growth of mold and mildew.
 - Real Drain System eliminates standing water.

PART: _____ QTY: _____

PROJECT: _____

CONTACT: _____

DATE: _____

NOTES: _____

APPROVAL: _____

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. Other making a comparison of other products' offerings, be certain these features are not overlooked.

Elkay REV 07182019
LZSTL8WSLK

2222 Camden Court
Oak Brook, IL 60523

© 2019 Page 1
LZSTL8WSLK_spec.pdf



AMERICAN PRIDE. A LIFETIME TRADITION.
Like your family, the Elkay family has values and traditions that endure. For almost a century, Elkay has been a family-owned and operated company, providing thousands of jobs that support our families and communities.

Included with Product: Water Cooler (LZSTL8WSLC), Bottle Filler (LZWSR), Filter

Ships in multiple boxes.

PRODUCT COMPLIANCE

ADA & ICC A117.1

ASME A112.19.3/CSA B45.4

Buy American Act

CAN/CSA C22.2 No. 120

GreenSpec®

NSF/ANSI 42, 53, 61, & 372 (lead free)

UL 399

GreenSpec LISTED

Complies with ADA & ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards. Installation may require additional components and/or construction features to be fully compliant. Consult the local Authority Having Jurisdiction if necessary.

Installation Instructions (PDF)

5 Year Limited Warranty on the refrigeration system of the unit.

Electrical components and water system are warranted for 12 months from date of installation. Warranty pertains to drinking water applications only. Non-drinking water applications are not covered under warranty.

Warranty (PDF)

OPTIONAL ACCESSORIES

5130DC - WaterSentry Plus Replacement Filter (Bottle Filler)

LKAPREZL - Elkay Cane Apron for EZ Gray

MLP200 - Accessory - In Wall Corner (Bi-Level) for Bi-Level EZ, LZ, EMABF, LMABF, VRC, LVRC models

98551C - WaterSentry Filter Mounting Cover (Gray Granite)

DRINKING FOUNTAIN CALCULATIONS

OCCUPANCY ESTIMATE = 600

REQUIREMENTS:

- 2 WATER BOTTLE FILLING STATION MIN.
- 1 DRINKING FOUNTAIN OR BOTTLE FILLING STATIONS PER 75 STUDENTS.

600 PEOPLE / 75 FOUNTAINS = 8 DRINKING FOUNTAINS.

EXISTING PLAN:

- 5 WATER BOTTLE FILLING STATIONS
- 6 SINGLE D.F. WATER COOLERS
- 5 BI-LEVEL WATER COOLERS WHICH EQUALS A TOTAL OF 16 WATER COOLERS.

PLUMBING LEGEND

○ SINGLE BOTTLE FILLER / DRINKING FOUNTAIN COMBO. WITH FILTERED REFRIGERATED WATER DISPENSING OUT A PROTECTIVE COWL.

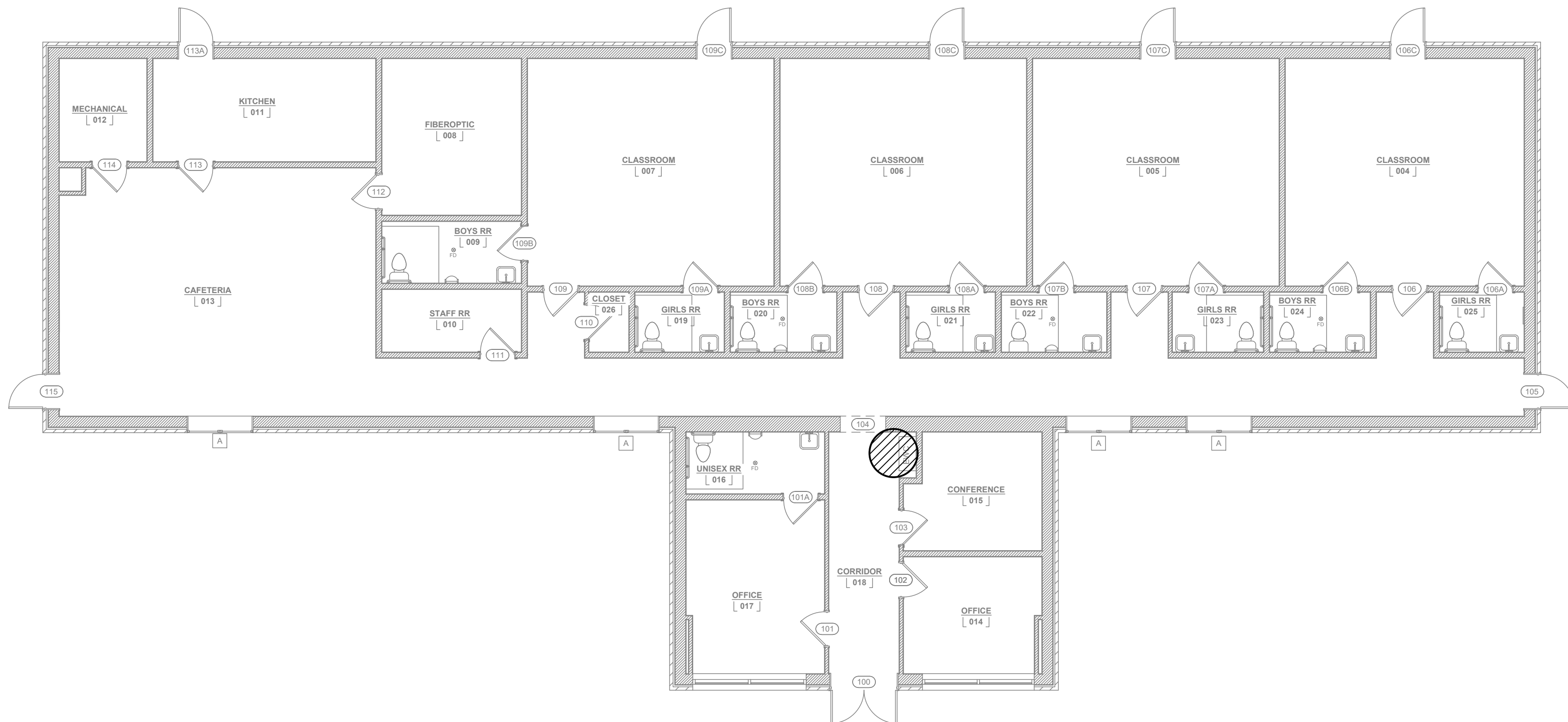
▨ REGULAR SINGLE DRINKING FOUNTAIN WITH FILTERED REFRIGERATED WATER DISPENSING OUT A PROTECTIVE COWL.

▣ REGULAR BI-LEVEL DRINKING FOUNTAIN WITH FILTERED REFRIGERATED WATER DISPENSING OUT A PROTECTIVE COWL.

ACCEPTABLE MANUFACTURERS: ELKAY, OASIS, & HAWS

***ALL DRINKING FOUNTAINS AND BOTTLE FILLERS HAVE BEEN INSTALLED BY OWNER.

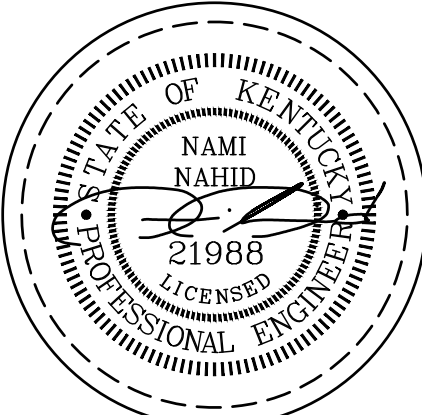
***FOR KY DEPARTMENT OF EDUCATION USE ONLY



1 OVERALL FIRST FLOOR - WATER BOTTLE FILLING STATION PLAN - KDE REFERENCE ONLY

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

0 4' 8' 16'



DESIGN PROFESSIONAL



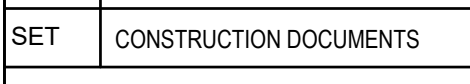
PLAN REVIEWER

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BY: ACE

DATE: 02/18/2021

SET: CONSTRUCTION DOCUMENTS

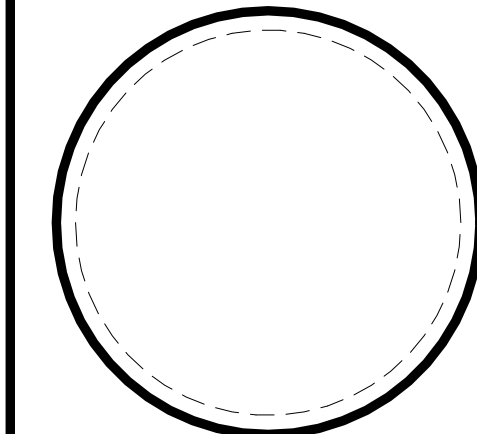


REVISION DESCRIPTION

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BY FAB, CLP

DATE 02/17/2021

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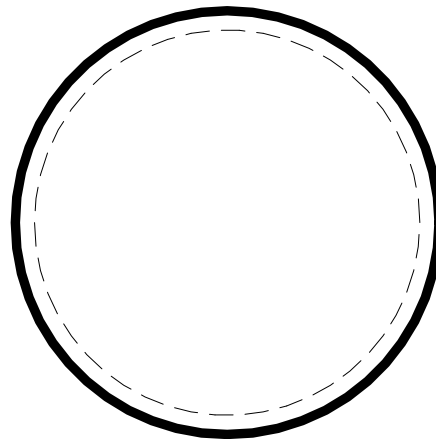
EXISTING PHOTOS

D0.00

DEMOLITION



DESIGN PROFESSIONAL



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DATE	02/17/2021
SET	CLIENT REVIEW



REVISION	DESCRIPTION
X DDMMYYYY	REVISION DESCRIPTION



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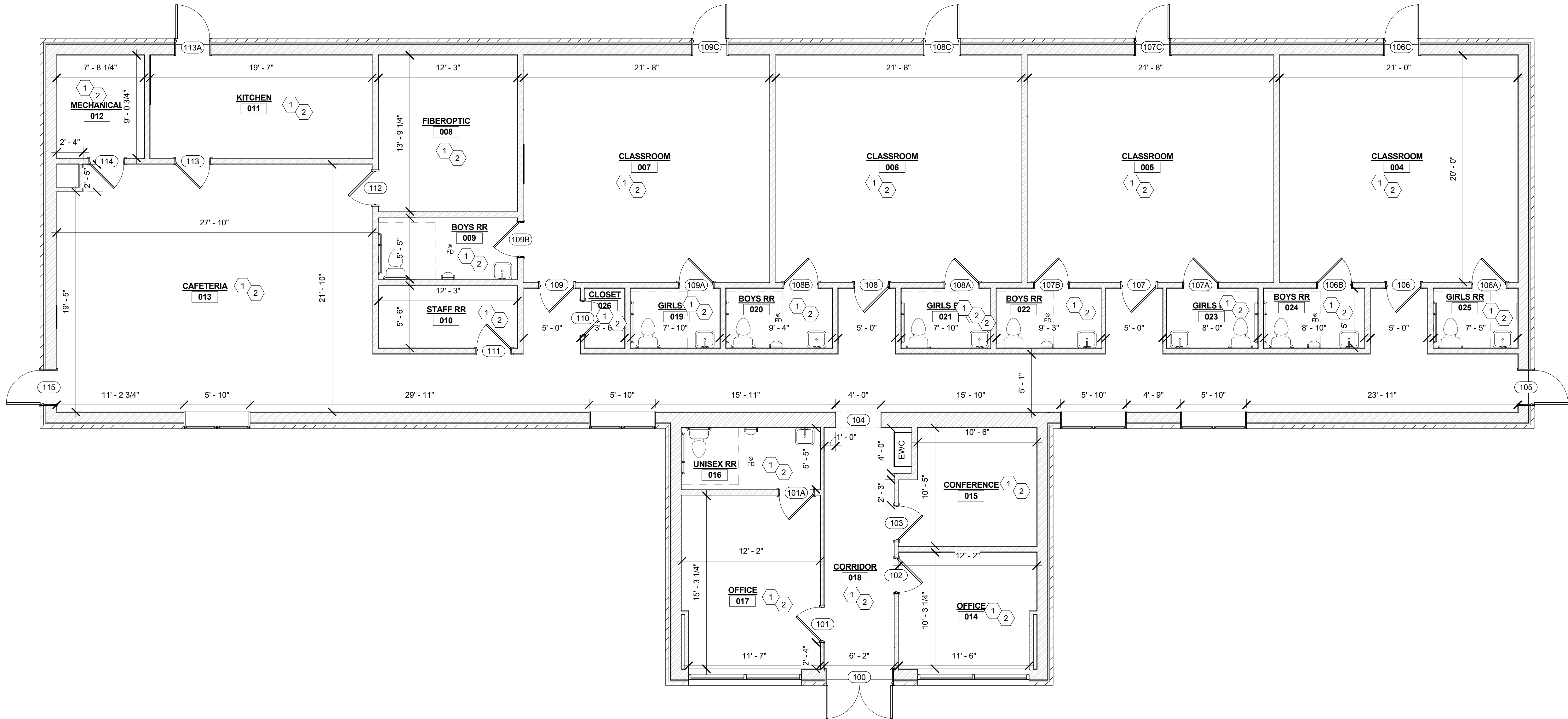
FIRST FLOOR PLAN

D1.00

DEMOLITION

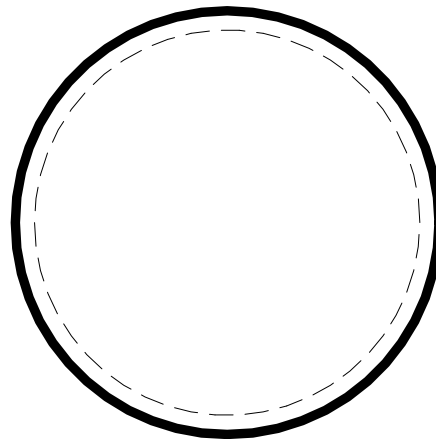
X SHEET

1. REFERENCE SPECIFICATION SECTION 08 71 00 - DOOR HARDWARE FOR REQUIREMENTS ON DOOR HARDWARE AND WHICH DOORS ARE TO RECEIVE WORK.
2. REFERENCE ELECTRICAL SERIES FOR UPDATES TO SECURITY SYSTEMS





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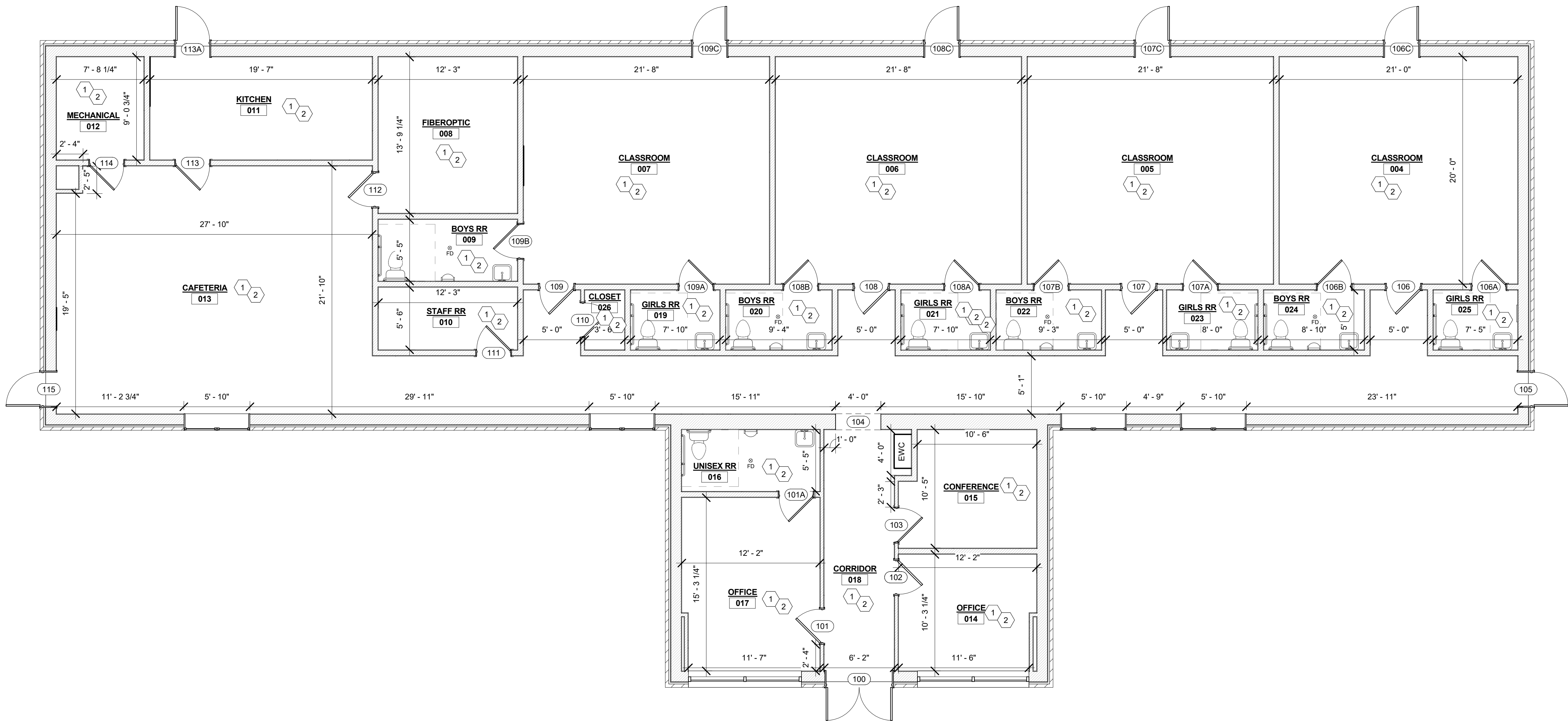
FLOOR PLAN

A1.00

ARCHITECTURAL

X SHEET

- 1). REFERENCE SPECIFICATION
SECTION 08 71 00 - DOOR
HARDWARE FOR REQUIREMENTS
ON DOOR HARDWARE AND WHICH
DOORS ARE TO RECEIVE WORK
- 2). REFERENCE ELECTRICAL SERIES
FOR UPDATES TO SECURITY
SYSTEMS



GPS UNIT SCHEDULE (BIPOLAR IONIZATION)			
EQUIPMENT UNIT TYPE	GPS MODEL	RATED	WEIGHT (LBS)
3X3 CASSETTE	GPS-FC	1,200 CFM NOMINAL	0.25 LBS
2X2 CASSETTE	GSP-FC	1,200 CFM NOMINAL	0.25 LBS
CONCEALED DUCTED	GPS-FC	1,200 CFM NOMINAL	0.25 LBS
CONCEALED DUCTED	GPS-FC	1,200 CFM NOMINAL	0.25 LBS
WALL MOUNTED	GPS-IRIB-36	COILS UP TO 48" LONG	0.5 LBS
PACKAGE ROOFTOP UNITS	GPS-IMOD	0-4800 CFM (1-12 TON)	0.24 LBS PER 6"
FAN COIL UNITS	GPS-FC-3	UP TO 3200 CFM (8 TON)	0.23 LBS

- NOTES:
1. ALL NEW INDOOR UNITS TO INCLUDE A GPS AIR PURIFICATION, AS PER SCHEDULE
 2. GPS UNIT SHALL ACTIVATE WHEN INDOOR UNIT IS OPERATING.
 3. MECHANICAL CONTRACTOR SHALL COORDINATE WITH MFR FOR COMPLETE INSTALL OF UNITS

GPS AIR PURIFICATION ADDITION

HVAC Equipment:
INSTALL A NEW GPS AIR PURIFICATION UNIT FOR ALL EXISTING AND NEW AIR HANDLING HVAC UNITS.
GPS UNIT POWER NEED SHALL BE TIED TO AIR HANDLING UNIT POWER SOURCE. PROVIDE ANY SPLITTER / TRANSFORMER NEEDED TO PROVIDE POWER TO THESE NEW DEVICES.
FIELD VERIFY ALL SCHOOLS AND AIR EQUIPMENT UNITS FOR SIZE AND LOCATION. PROVIDE GPS DEVICES TO MATCH THE EQUIPMENT.
PROVIDE A HAND HELD IONIZATION METERING DEVICE FOR EACH SCHOOL FOR CHECKING OF GPS EQUIPMENT ACTIVATION.

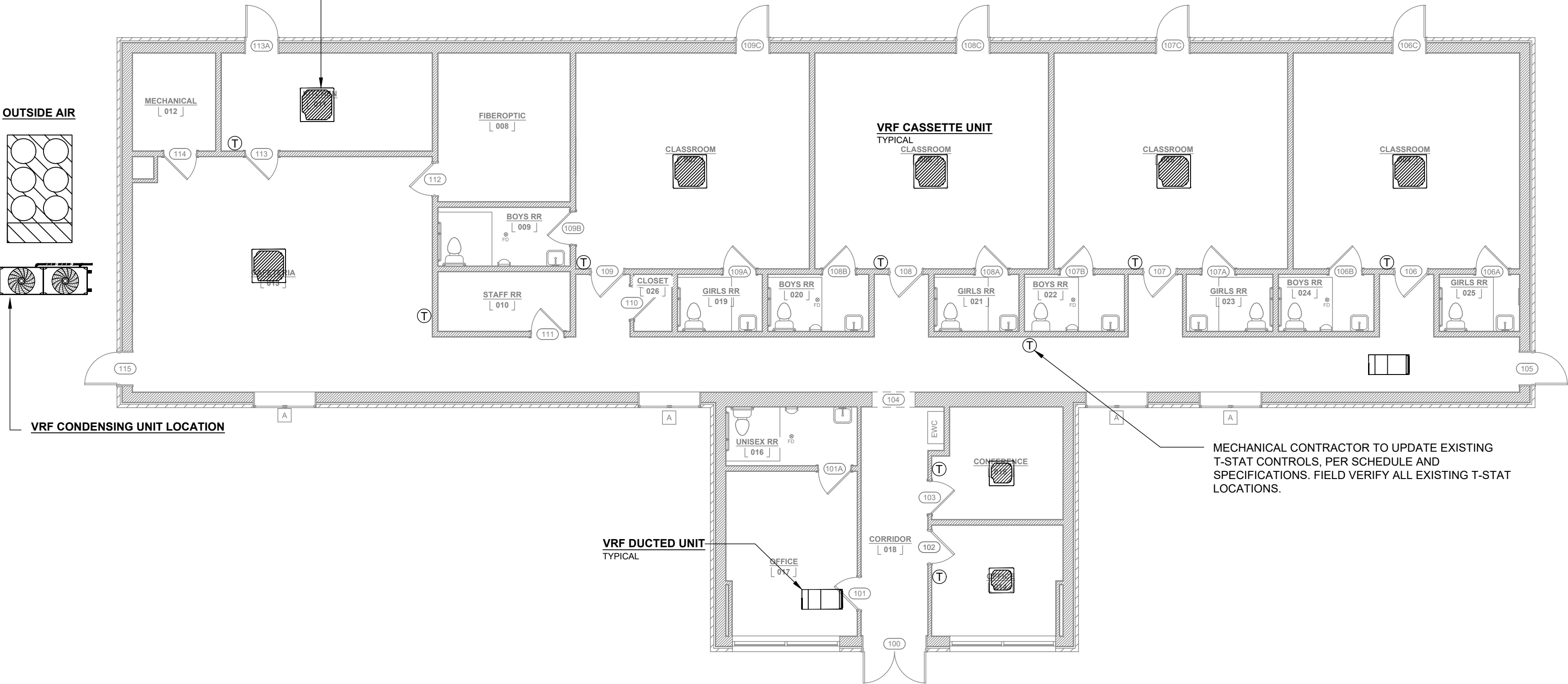
HVAC CONTROLS UPGRADE - HORIZON ACADEMY

Building Automation System:
New system shall be based on Reliable Controls, see specification for additional acceptable manufacturers.
Install new main BACnet building controller in IT or mechanical room for this building and tie into new campus main control system.

Existing VRV Systems:
Classrooms with office areas are served with Daikin VRV system. These systems shall be connected to new main campus controller.
Provide a gateway from existing Daikin VRV to tie into new main building controller

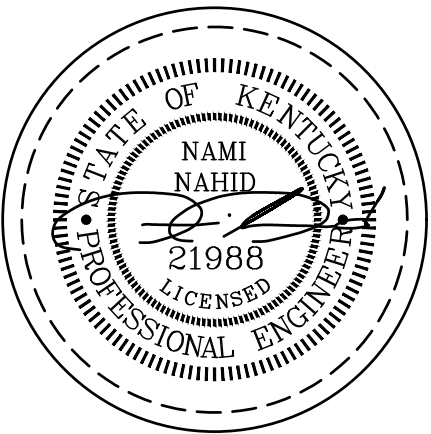
100% Outdoor air unit:
Replace control module on 100% outdoor air unit and tie directly into new main building controller.

MECHANICAL CONTRACTOR TO FIELD VERIFY ALL HVAC EQUIPMENT FOR COMPLETE INSTALL OF GLOBAL PLASMA SOLUTIONS (GPS), TYPICAL.



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

0 4' 8' 16'



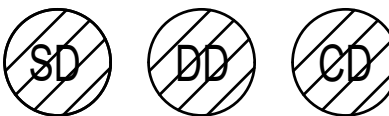
DESIGN PROFESSIONAL



PLAN REVIEWER

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MECH. CONTROLS AND GPS UNITS

M1.01

MECHANICAL

ELECTRICAL LEGEND - LIGHTING	
SYMBOL	DESCRIPTION
	CEILING OUTLET AND LIGHTING FIXTURE AS SCHEDULED.
	CEILING OUTLET AND LIGHTING FIXTURE AS SCHEDULED.
	CEILING OUTLET AND LIGHTING FIXTURE AS SCHEDULED.
	REMOTE HEAD, CONTROLLED BY EXIT LIGHT.
	CEILING OUTLET AND LIGHTING FIXTURE AS SCHEDULED.
	WALL OUTLET AND LIGHTING FIXTURE AS SCHEDULED.
	WALL MOUNTED EMERGENCY LIGHT AS SCHEDULED.
	WALL OUTLET AND LIGHTING FIXTURE AS SCHEDULED.
	SYMBOL INDICATES FIXTURE TYPE WHEN SHOWN ON LIGHTING PLANS ADJACENT TO FIXTURE SYMBOL. REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE REQUIREMENTS.
	OUTLET BOX AND 20-AMP, SINGLE-POLE SWITCH. MOUNT AT 48 INCHES ABOVE FINISHED FLOOR TO CENTER, UNLESS NOTED OTHERWISE. LOCATE WITHIN 12 INCHES OF STRIKE SIDE OF DOOR, UNLESS NOTED OTHERWISE. SUB-TEXT INDICATES CIRCUIT SWITCHED.
	OUTLET BOX AND 20-AMP, THREE-WAY SWITCH. MOUNT AT 48 INCHES ABOVE FINISHED FLOOR TO CENTER, UNLESS NOTED OTHERWISE. LOCATE WITHIN 12 INCHES OF STRIKE SIDE OF DOOR, UNLESS NOTED OTHERWISE. SUB-TEXT INDICATES CIRCUIT SWITCHED.
	OUTLET BOX AND 20-AMP, FOUR-WAY SWITCH. MOUNT AT 48 INCHES ABOVE FINISHED FLOOR TO CENTER, UNLESS NOTED OTHERWISE. LOCATE WITHIN 12 INCHES OF STRIKE SIDE OF DOOR, UNLESS NOTED OTHERWISE. SUB-TEXT INDICATES CIRCUIT SWITCHED.
	OUTLET BOX AND 20-AMP, SINGLE-POLE DIMMER SWITCH. MOUNT AT 48 INCHES ABOVE FINISHED FLOOR TO CENTER, UNLESS NOTED OTHERWISE. LOCATE WITHIN 12 INCHES OF STRIKE SIDE OF DOOR, UNLESS NOTED OTHERWISE. SUB-TEXT INDICATES CIRCUIT SWITCHED.
	OUTLET BOX AND 20-AMP, THREE-WAY DIMMER SWITCH. MOUNT AT 48 INCHES ABOVE FINISHED FLOOR TO CENTER, UNLESS NOTED OTHERWISE. LOCATE WITHIN 12 INCHES OF STRIKE SIDE OF DOOR, UNLESS NOTED OTHERWISE. SUB-TEXT INDICATES CIRCUIT SWITCHED.
	OUTLET BOX AND 20-AMP, COMBINATION SWITCH AND OCCUPANCY SENSOR. MOUNT AT 48 INCHES ABOVE FINISHED FLOOR TO CENTER, UNLESS NOTED OTHERWISE. LOCATE WITHIN 12 INCHES OF STRIKE SIDE OF DOOR, UNLESS NOTED OTHERWISE. OTHER TEXT INDICATES SWITCH CONFIGURATION AND CIRCUIT SWITCHED AS OTHER NON-OCCUPANCY SENSOR SWITCHES.
	OUTLET BOX AND 20-AMP, COMBINATION SWITCH AND LOW-VOLTAGE (0-10V) DIMMER. MOUNT AT 48 INCHES ABOVE FINISHED FLOOR TO CENTER, UNLESS NOTED OTHERWISE. LOCATE WITHIN 12 INCHES OF STRIKE SIDE OF DOOR, UNLESS NOTED OTHERWISE. OTHER TEXT INDICATES SWITCH CONFIGURATION AND CIRCUIT SWITCHED AS OTHER NON-DIMMER SWITCHES.
	CEILING-MOUNT OCCUPANCY SENSOR. THE LETTER(S) DESIGNATION ADJACENT TO THE SYMBOL (IF SHOWN) INDICATE SWITCHING ZONES TO BE CONTROLLED BY THE SENSOR. IF A LETTER DESIGNATION IS NOT SHOWN, THE SENSOR SHALL CONTROL ALL LIGHTING FIXTURES WITHIN THE ROOM.
	WALL-MOUNT OCCUPANCY SENSOR. THE LETTER(S) DESIGNATION ADJACENT TO THE SYMBOL (IF SHOWN) INDICATE SWITCHING ZONES TO BE CONTROLLED BY THE SENSOR. IF A LETTER DESIGNATION IS NOT SHOWN, THE SENSOR SHALL CONTROL ALL LIGHTING FIXTURES WITHIN THE ROOM.

ELECTRICAL LEGEND - TELCOM	
SYMBOL	DESCRIPTION
	VOICE/DATA OUTLET. MOUNT OUTLET BOX AT 18 INCHES A.F.F. TO CENTER (EVEN WITH ADJACENT RECEPTACLE IF PRESENT) OR 8 INCHES ABOVE COUNTER OR COUNTER BACKSPLASH TO CENTER, UNLESS NOTED OTHERWISE. PROVIDE 1 INCH CONDUIT WITH PULLSTRING FROM OUTLET BOX TO NEAREST ACCESSIBLE CEILING CAVITY. BUSH CONDUIT ENDS. OUTLET BOX SHALL BE 4 INCH SQUARE BY 2-3/4 INCH DEEP WITH A SINGLE GANG PLASTER RING, UNLESS NOTED OTHERWISE. "WP" TEXT ADJACENT TO SYMBOL DENOTES WALL PHONE LOCATION (MOUNT AT 56 INCHES A.F.F. TO CENTER), WHERE SHOWN ADJACENT TO A POWER RECEPTACLE, INSTALL OUTLET AT SAME HEIGHT, WITHIN 6 INCHES OF RECEPTACLE, UNLESS OTHERWISE NOTED.
	VIDEO MONITOR OUTLET. MOUNT OUTLET BOX AT 18 INCHES A.F.F. TO CENTER (EVEN WITH ADJACENT RECEPTACLE). PROVIDE 1 INCH CONDUIT FROM OUTLET BOX TO NEAREST ACCESSIBLE ATTIC SPACE. BUSH CONDUIT ENDS. OUTLET BOX SHALL BE 4 INCH SQUARE BY 2-3/4 INCH DEEP WITH A SINGLE GANG PLASTER RING, UNLESS NOTED OTHERWISE.
	CEILING MOUNTED COMMUNICATIONS OUTLET BOX FOR WIRELESS ACCESS POINT. OUTLET BOX SHALL BE FOUR INCHES WITH A SINGLE GANG PLASTER RING.

ELECTRICAL LEGEND - POWER	
SYMBOL	DESCRIPTION
	WALL OUTLET WITH 20A, 125V DUPLEX RECEPTACLE. MOUNT 18 INCHES ABOVE FINISHED FLOOR TO TO CENTER, UNLESS NOTED OTHERWISE.
	WALL OUTLET WITH 20A, 125V DUPLEX RECEPTACLE. MOUNT 48 INCHES ABOVE FINISHED FLOOR TO TO CENTER, OR 8 INCHES ABOVE COUNTER OR COUNTER BACKSPLASH TO CENTER, UNLESS NOTED OTHERWISE.
	CEILING MOUNTED OUTLET WITH 20A, 125V DUPLEX RECEPTACLE.
	WALL OUTLET WITH 20A, 125V DOUBLE-DUPLEX RECEPTACLE. MOUNT 18 INCHES ABOVE FINISHED FLOOR TO CENTER, UNLESS NOTED OTHERWISE.
	WALL OUTLET WITH 20A, 125V DOUBLE-DUPLEX RECEPTACLE. MOUNT 48 INCHES ABOVE FINISHED FLOOR TO TO CENTER, OR 8 INCHES ABOVE COUNTER OR COUNTER BACKSPLASH TO CENTER, UNLESS NOTED OTHERWISE.
	WALL OUTLET WITH SIMPLEX RECEPTACLE AS NOTED ON POWER PLANS.
	FLOOR OUTLET WITH DUPLEX RECEPTACLE AND 2 PORT DATA OUTLET.
	FLOOR OUTLET WITH DOUBLE-DUPLEX RECEPTACLE AND 2 PORT DATA OUTLET.
GFCI	SYMBOL INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLE WHEN SHOWN ADJACENT TO RECEPTACLE SYMBOL ON PLANS.
WP	SYMBOL INDICATES WESTER-PROOF WHILE-IN-USE TYPE ENCLOSURE WHEN SHOWN ADJACENT TO RECEPTACLE SYMBOL ON PLANS.
1,3,5,...	NUMBER TEXT INDICATES CIRCUIT NUMBERS WHEN SHOWN ADJACENT TO SYMBOLS ON PLAN.
a,b,c,...	LOWER-CASE LETTER TEXT INDICATES CIRCUIT SWITCHING ARRANGEMENT WHEN SHOWN WITHIN OR ADJACENT TO SYMBOLS ON PLAN.
+48"	NUMBER TEXT INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF OUTLET BOX WHEN SHOWN ADJACENT TO SYMBOLS ON PLAN.
	WALL-MOUNT JUNCTION BOX AS NOTED ON PLANS.
	CEILING-MOUNT JUNCTION BOX AS NOTED ON PLANS.
	JUNCTION BOX WITH PHOTO EYE.
	WALL-MOUNT PUSH BUTTON FOR ADA DOORS. MOUNTED AT ADA REQUIRED HEIGHTS.
30A/3 NEMA 3R	NON-FUSIBLE DISCONNECT SWITCH. TEXT INDICATES AMP AND ENCLOSURE RATINGS.
30A/3 NEMA 3R	FUSIBLE DISCONNECT SWITCH. TEXT INDICATES AMP AND ENCLOSURE RATINGS.
30A/3 NEMA 3R	COMBINATION MOTOR STARTER AND DISCONNECT WITH THERMAL OVERLOADS.
PHASE CONDUCTOR	CIRCUIT. NUMBER OF CROSSBARS INDICATE QUANTITY OF CONDUCTORS REQUIRED. MINIMUM CONDUIT SIZE SHALL BE 3/4 INCH TRADE SIZE. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG.
GROUND NEUTRAL	
LP1-1,3,5	HOME RUN TO PANEL. NUMBER OF ARROW HEADS INDICATES NUMBER OF CIRCUITS. PREFIX INDICATES PANEL NOMENCLATURE. NUMBERS INDICATE CIRCUIT NUMBERS.

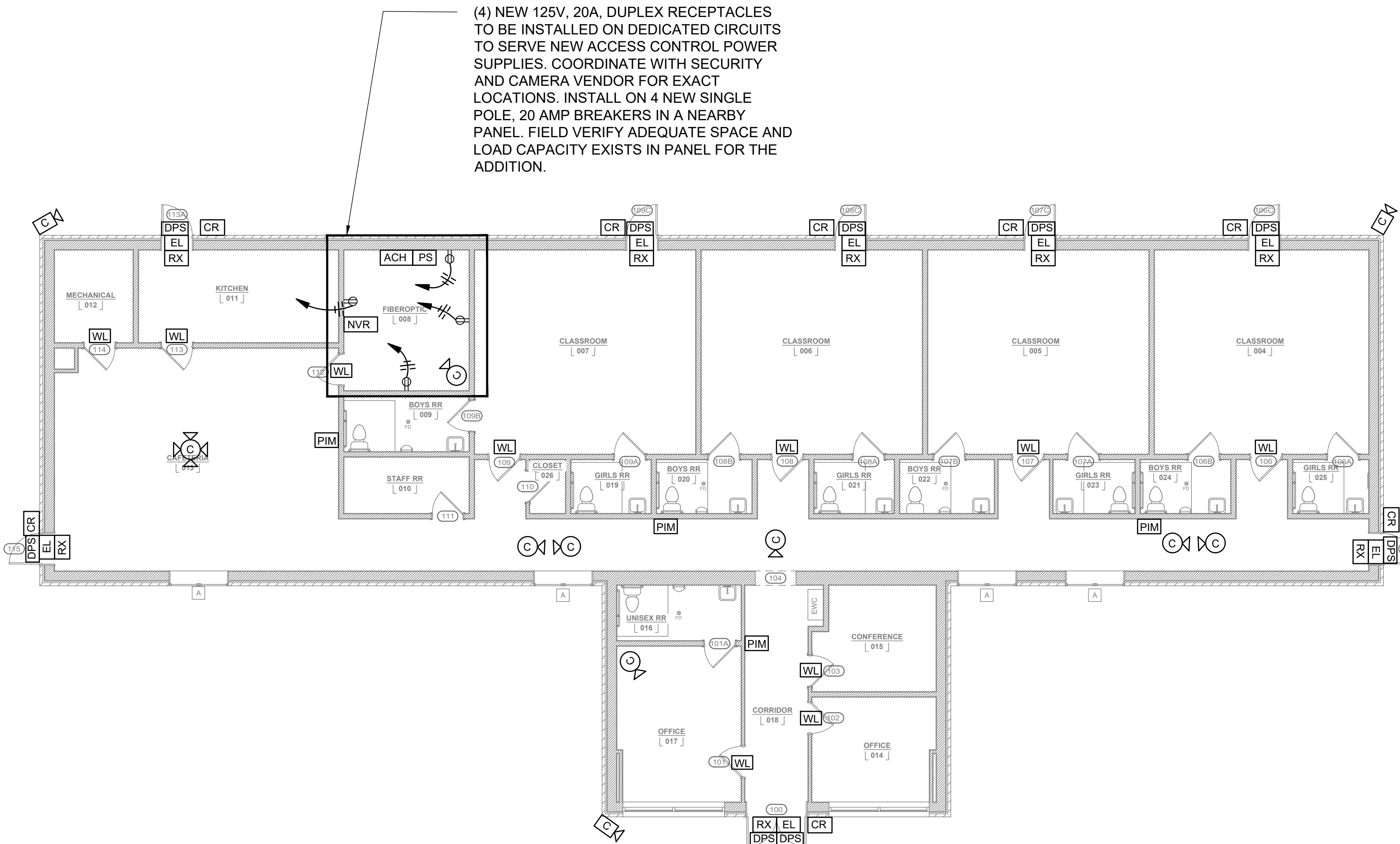
FIRE ALARM LEGEND		
TAG	DESCRIPTION	MOUNTING
[S]	PHOTO ELECTRIC SMOKE DETECTOR	REPLACE CURRENT
[H<]	AUDIO VISUAL NOTIFICATION DEVICE	REPLACE CURRENT
[S<]	VISUAL NOTIFICATION DEVICE	REPLACE CURRENT
[H]	HEAT DETECTOR ROR AND FIXED	REPLACE CURRENT
[F]	MANUAL PULL STATION	REPLACE CURRENT
[FACP]	ADDRESSABLE FIRE ALARM CONTROL PANEL	REPLACE CURRENT
[PWR]	NOTIFICATION DEVICE POWER SUPPLY	REPLACE CURRENT
[ANN]	ANNUNCIATOR PANEL	REPLACE CURRENT
[H<]	AUDIO-VISUAL NOTIFICATION DEVICE	SINGLE GANG 80-80" TO BOTTOM AFF
[S<]	NEW LOCATION - VISUAL NOTIFICATION DEVICE	SINGLE GANG 80-80" TO BOTTOM AFF
[F]	NEW LOCATION - MANUAL PULL STATION	SINGLE GANG 42" TO BOTTOM AFF
[WF]	SPRINKLER WATERFLOW MONITOR	REPLACE CURRENT
[TS]	SPRINKLER TAMPER VALVE MONITOR	REPLACE CURRENT

1. Existing fire alarm device location. Remove device and wiring. Install blank cover plate.

PA SYSTEM LEGEND		
TAG	DESCRIPTION	MOUNTING
INT	INTERCOM HEADEND - REPLACE WITH QUANTITY OF ZONES AND AMPLIFIERS TO ACCOMMODATE SYSTEM. MINIMUM 64 ROOM POINTS WITH CLASSROOM CALL-IN. INTERCOM SYSTEM PHONE - PERFORM FUNCTIONS OF NEW INTERCOM SYSTEM	RACK MOUNT
PH	INTERCOM SYSTEM PHONE - PERFORM FUNCTIONS OF NEW INTERCOM SYSTEM	DESK MOUNT
DP	DOOR PHONE - CALL IN STATION TO RING OFFICE INTERCOM PHONE	SURFACE MOUNT 44" TO BOTTOM AFF
[S]	EXISTING INTERCOM SPEAKER. REUSE SPEAKER AND EXISTING CABLING.	CEILING
CB	CLASSROOM CALL IN BUTTON - NEW LOCATION	SINGLE GANG
[S]	VANDAL RESISTANT SURFACE MOUNT SPEAKER - NEW LOCATION	SURFACE
[S]	2X2 LAY-IN CEILING SPEAKER - NEW LOCATION	CEILING
H	OUTDOOR HORN - NEW LOCATION	SURFACE

ACCESS CONTROL LEGEND		
TAG	DESCRIPTION	MOUNTING
[WL]	WIRELESS LOCKSET	REPLACE CURRENT LOCKSET
[PIM]	PANEL INTERFACE MODULE	SURFACE MOUNT ABOVE CEILING
[CR]	CARD READER	SINGLE GANG 44" TO BOTTOM AFF
[EL]	ELECTRONIC DOOR HARDWARE	NA
[RX]	REQUEST TO EXIT DEVICE	SINGLE GANG ABOVE DOOR HEADERS
[DPS]	DOOR POSITION SWITCH	3/4" HOLE IN FRAME AND DOOR
[PS]	DOOR POWER SUPPLY	SURFACE MOUNT 48" TO BOTTOM AFF
[ACH]	ACCESS CONTROL HEADEND	SURFACE MOUNT 48" TO BOTTOM AFF

CCTV LEGEND		
TAG	DESCRIPTION	MOUNTING
[CK]	OUTDOOR BULLET CAMERA - 5MP	SURFACE MOUNT BOX INCLUDED
[CX]	INDOOR DOME CAMERA - 5MP	CEILING MOUNT
[CX]	FISHEYE CAMERA - 12MP	CEILING MOUNT
[NVR]	VMS SERVER - HDD AND CHANNELS TO ACCOMMODATE ALL CAMERAS	RACK MOUNT



1 ELECTRICAL - POWER & SYSTEMS PLAN

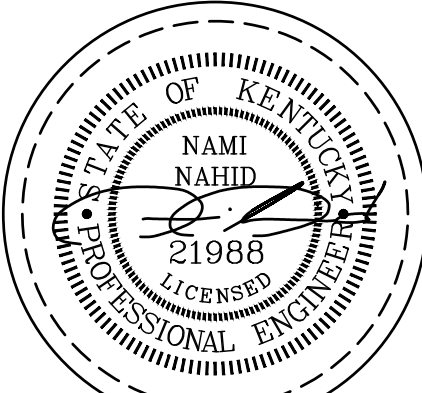
SCALE: 1/8"=1'-0"

0 4' 8' 16'



GENERAL NOTES:

- ALL WORK SHALL BE DONE BY A LICENSED CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY, INCLUDING REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR, UNLESS NOTES OTHERWISE.
- THERE SHALL BE NOTHING ABANDONED IN PLACE, UNLESS SPECIFICALLY IDENTIFIED AS SUCH.
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, INCLUDING ADDENDA, AND APPLICABLE CODES AND STANDARDS.
- ALL TRADES SHALL COORDINATE THE ROUTING AND INSTALLATION OF HIS WORK WITH THAT OF ALL OTHER TRADES THROUGH THE GENERAL CONTRACTOR.
- PROVIDE ALL EQUIPMENT, MATERIAL, LABOR, SUPERVISION, COST, AND SERVICES REQUIRED TO INSTALL COMPLETE AND WORKING SYSTEMS, INCLUDING ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLE, INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFIED OR SHOWN.
- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH WITH ALL APPLICABLE STATE AND LOCAL BUILDING CODES, INCLUDING THE NEC.
- SECURITY CONTRACTOR IS RESPONSIBLE FOR RACEWAYS, WIREWAYS, AND CONDUIT REQUIRED FOR THE INSTALLATION OF SECURITY DEVICES. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.



DESIGN PROFESSIONAL



PLAN REVIEWER

IF NO STAMP IS PRESENT, PLAN REVIEW MAY BE PENDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PERMITS AND APPROVALS ARE OBTAINED PRIOR TO COMMENCING WORK.

BY KEL - EJS

DATE 02/18/2021

SET CONSTRUCTION DOCUMENTS



REVISION	DESCRIPTION
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Δ	DDMM/YYYY	REVISION DESCRIPTION
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HORIZON ACADEMY
(RENOVATION) EDUCATIONAL
FACILITY (2020)

806 S. MAIN ST.
ELKTON, KENTUCKY 42220
CONTRACT 20201223

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CCTV AND ACCESS
CONTROL
OVERALL PLAN

E1.00

ELECTRICAL