Bullitt County Public Schools
Moving Forward

Bullitt County Public Schools

1040 Highway 44 East
Shepherdsville, Kentucky 40165

502-869-8000
Fax 502-543-3608
www.bullittschools.org

MEMO

TO: Jesse Bacon

FROM: Mark Mitchell

DATE: December 5, 2018

RE: Board Agenda Item – Approval of Design Drawings – Riverview Opportunity Center – Studio Kremer Architects

Presented for Board approval are the design drawings relating to the Riverview Opportunity Center Security Upgrades project as prepared by Studio Kremer Architects. These are the architectural and electrical drawings required by KDE. Upon approval, the drawings will be sent to KDE for their approval and records.

I recommend the Board's approval of the design drawings prepared by Studio Kremer Architects.

Attachment: Architectural Drawings

Security Upgrades at
RIVERVIEW OPPORTUNITY CENTER

383 High School Drive
Shepherdsville, Kentucky 40165

ska# 2018-41.02
BG# 19-048

studio

100% CONSTRUCTION DOCUMENTS - DECEMBER 5, 2018

PROJECT TEAM:

ARCHITECT:

studio kremer architects
1231 S Shelby Street
Louisville, KY 40203
502.499.1100
CONTACT: Cate Noble Ward

OWNER:

Bullitt County Public Schools
1040 Hwy 44 East
Shepherdsville, KY 40165
502.869.8000
CONTACT: Mark Mitchell

MEP ENGINEER:

CMTA Consulting Engineers
10411 Meeting Street
Louisville, KY 40059
502.326.3085
CONTACT: Jeremy Lewis

VICINITY MAP

CODE INFORMATION

BASED UPON 2013 KENTUCKY BUILDING CODE

USE GROUP: E (EDUCATIONAL)

CONSTRUCTION TYPE: II,B

LIST OF DRAWINGS:

COVER SHEET

ARCHITECTURAL:

A1.1 FLOOR PLANS AND DETAILS

MECHANICAL:

M1.0 MECHANICAL NOTES AND FLOOR PLANS

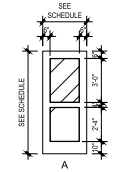
ELECTRICAL:

E1.0 ELECTRICAL LEGEND
E2.0 ELEC. DEMO - PARTIAL 1ST FLOOR
E3.0 LIGHTING/POW/SYS - PARTIAL 1ST FLOOR

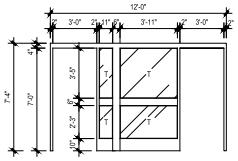
NOT FOR CONSTRUCTION

DOOR AND FRAME SCHEDULE

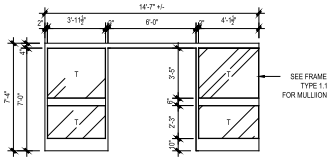
Door No.	Door Size W	Door Size H	Door Size T	Door Size MATL.	Door Size FIN.	Door Size TYPE	Frame Size MATL.	Frame Size FIN.	Frame Size TYPE	Details HEAD	Details JAMB	Details SILL	Remarks	Hardware Set
6TH GRADE CLASSROOMS & STORAGE														
H100	(2) 3'-0"	7'-0"	1 3/4"	H.M.	PTD	A	HM	PTD	1.2	--	--	- -	--	E01
H101A	3'-0"	7'-0"	1 3/4"	H.M.	PTD	A	HM	PTD	1.1	--	--	- -	--	E02
H101B	3'-0"	7'-0"	1 3/4"	H.M.	PTD	A	HM	PTD	1.1	--	--	- -	--	R01



A
SEE SCHEDULE FOR MATERIAL
w/ 1/4" SAFETY GLAZING (AT INTERIOR DOORS)
PANIC DEVICES WHERE SCHEDULED



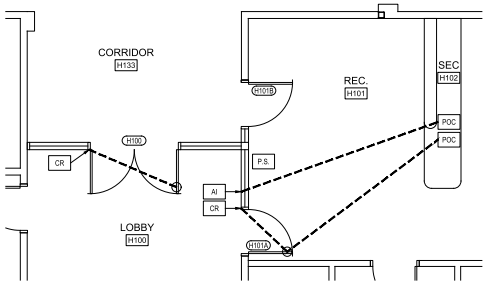
1.1
HOLLOW METAL STOREFRONT FRAMING
w/ 1/4" SAFETY GLAZING
T = TEMPERED GLASS



1.2
HOLLOW METAL STOREFRONT FRAMING
w/ 1/4" SAFETY GLAZING
T = TEMPERED GLASS

1 / A1.1 DOOR TYPES
Scale: 1/4" = 1'-0"

2 / A1.1 FRAME TYPES
Scale: 1/4" = 1'-0"



D FOR G.C. REFERENCE
ACCESS CONTROL DIAGRAM
Scale: 1/4" = 1'-0"

DOOR ACCESS CONTROL NOTES:

A. ACCESS CONTROL EQUIPMENT AND INSTALLATION BY BCPS TECHNOLOGY DEPARTMENT (OWNER).

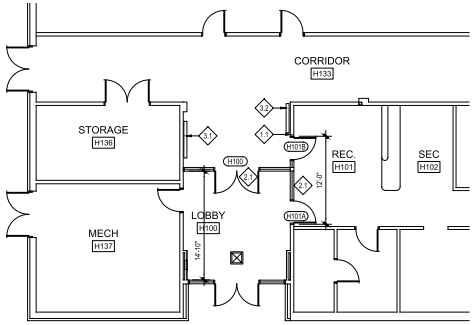
B. G.C. TO COORDINATE ROUTING OF LOW-VOLTAGE CABLING ABOVE CEILING AND THROUGH H.M. STOREFRONT WITH BCPS TECHNOLOGY FOR ACCESS CONTROLS.

C. G.C. TO ARRANGE A PRE-CONSTRUCTION MEETING WITH THE ELECTRICAL CONTRACTOR, ENGINEER, ARCHITECT AND BCPS TECHNOLOGY TO DISCUSS ROUTING TO ACCESS CONTROL DEVICES PRIOR TO INSTALLATION OF NEW H.M. STOREFRONT AND DOORS.

END OF ACCESS CONTROL GEN. NOTES

ACCESS CONTROL LEGEND / NOTES:

- CR — NEW CARD READER (O.F.O.I) - MOUNTED TO MULLION
- AI — AI PHONE (AUDIO ONLY) (O.F.O.I) - MOUNTED TO H.M. HORIZONTAL MULLION
- P.S. — 10 AMP POWER SUPPLY (O.F.O.I) - MOUNTED ABOVE CEILING - SEE ELECTRICAL DRAWINGS FOR CONNECTIONS.
- DASHED LINE INDICATES POINT OF CONTROL FOR A.C. DEVICES
- POC — POINT OF CONTROL AT RECEPTION DESK FOR EACH DOOR/DEVICE



B NEW WORK
FLOOR PLAN
Scale: 1/8" = 1'-0"

GENERAL NOTES:

A. WORK THAT IS TO REMAIN IS SHOWN LIGHT AND SOLID AND WORK THAT IS NEW IS SHOWN DARK AND SOLID.

B. INTERIOR DIMENSIONS (FOR BLOCK / METAL STUD WALLS) SHALL BE FROM FINISH WALL FACE TO FINISH WALL FACE. NOMINAL DIMENSIONS ARE GIVEN - SLIGHT FIELD ADJUSTMENT MAY BE REQUIRED.

C. UNLESS OTHERWISE NOTED PROVIDE BULLNOSE UNITS AT ALL EXPOSED CONCRETE BLOCK CORNERS, SILLS AND AT DOOR AND WINDOW OPENINGS - INCLUDING ALL PATCHED WALLS.
NOTE THAT ALL BULLNOSE BLOCK SHALL START 8" FROM THE FLOOR - FIRST OF CMU TO HAVE STRAIGHT EDGES.

D. PATCH ALL FLOORS AND PATCH/PAINT ALL WALLS WHERE WALL MOUNTED EQUIPMENT IS REMOVED.

E. ALL WALLS AROUND NEW DOOR FRAMES TO BE PAINTED TO MATCH EXISTING COLOR.

F. INSTALL NEW RESILIENT WALL BASE AND FLOORING (TO MATCH EXISTING) AT AREAS OF NEW WORK.

END OF CONSTRUCTION GEN. NOTES

CONSTRUCTION NOTES:

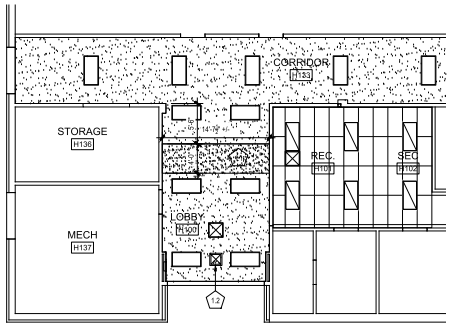
WALLS
1.1 WHERE EXISTING PARTITION HAS BEEN REMOVED OR NEW OPENING IS CREATED, PATCH ALL ADJACENT AND DISTURBED SURFACES TO MATCH EXISTING CONSTRUCTION. IF MASONRY, MATCH EXISTING BOND PATTERN AND TOOL JOINTS TO MATCH ADJACENT CONSTRUCTION - TOOTH INTO EXISTING MASONRY. PAINT.

OPENINGS
2.1 NEW HOLLOW METAL DOOR AND STOREFRONT FRAME - REFER TO DOOR SCHEDULE & ELEVATIONS FOR DESCRIPTION.

EQUIPMENT
3.1 EXISTING SIGN CASE RELOCATED TO NEW LOCATION, AS SHOWN.

3.2 EXISTING WALL MOUNTED TV RELOCATED TO NEW LOCATION, AS SHOWN.

CONSTRUCTION NOTES CONTINUED ON NEXT SHEET



C NEW WORK
REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"

GENERAL CEILING NOTES:

A. ALL EXISTING LIGHT FIXTURES TO REMAIN IN LOCATION SHOWN - FIXTURES SHOWN FOR REFERENCE.

B. REFER TO MECHANICAL / ELECTRICAL DRAWINGS FOR ADDITIONAL WORK AT AND ABOVE EXISTING CEILINGS.

END OF GENERAL DEMOLITION NOTES

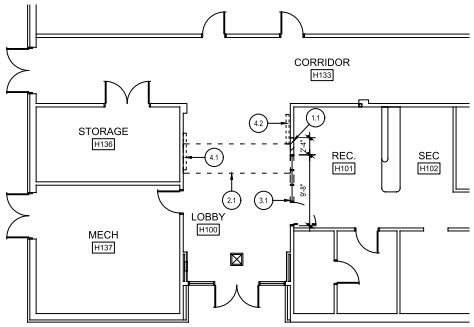
REFLECTED CEILING LEGEND / NOTES:

- EXISTING 2x4 SUSPENDED CEILING
- EXISTING GYPSUM WALL BOARD CEILING, SOFFIT OR BULKHEAD PAINT AT DISTURBED AREAS, COMPLETE
- EXISTING 2X4 LIGHT FIXTURE SEE ELECTRICAL DRAWINGS
- EXISTING DIFFUSER
- EXISTING 2X4 SURFACE MOUNT LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS

CEILING NOTES:

CEILINGS
1.1 PATCH 1-HOUR RATED GWB CEILING TO EXTENTS SHOWN FOR INSTALLATION OF NEW HOLLOW METAL STOREFRONT FRAMING.

1.2 NEW UNIT HEATER SUPPLY DIFFUSER - SEE MECHANICAL DRAWINGS FOR SIZE AND DETAILS.



A DEMOLITION
FLOOR PLAN
Scale: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

A. ALL MATERIAL TO BE REMOVED IS TO BE DISPOSED OF IN A LAWFUL MANNER.

B. COORDINATE ALL MECHANICAL AND ELECTRICAL CUTTING AND PATCHING w/ MEP DRAWINGS.

C. REFER TO MECHANICAL / ELECTRICAL DRAWINGS FOR REMOVAL OR RELOCATION OF WALL MOUNTED EQUIPMENT.

END OF GENERAL DEMOLITION NOTES

DEMOLITION NOTES:

WALLS
1.1 NEATLY CUT EXISTING WALL FOR NEW OPENING, DOOR, OR WINDOW (SHORE AS REQUIRED). REFER TO MASONRY DETAILS FOR NEW LINTEL TO SUPPORT MASONRY TO REMAIN. IF ANY UTILITIES ARE ENCOUNTERED, NOTIFY ARCHITECT / ENGINEER FOR DIRECTION. IF MASONRY VENEER, SALVAGE BRICK FOR RE-USE.

CEILINGS
2.1 NEATLY CUT EXISTING GWB CEILING TO EXTENTS SHOWN FOR INSTALLATION OF NEW HOLLOW METAL STOREFRONT FRAMING. REFER TO NEW WORK PLAN FOR PATCHING.

OPENINGS
3.1 REMOVE EXISTING DOOR / DOOR FRAME / STOREFRONT FRAMING /HARDWARE:
- DISPOSE OF DOOR / DOOR FRAME.
- HARDWARE TO BE SALVAGED AND RETURNED TO OWNER.
- IF HOLD OPENS ARE REMOVED, REPAIR VOIDS IN WALLS TO MATCH ADJACENT CONSTRUCTION.

EQUIPMENT
4.1 EXISTING SIGN CASE TO BE RELOCATED. SEE NEW WORK PLAN FOR NEW LOCATION.

4.2 EXISTING WALL MOUNTED TV TO BE RELOCATED. SEE NEW WORK PLAN FOR NEW LOCATION.

END OF DEMOLITION NOTES

100% CONSTRUCTION DOCUMENTS

studio kremer architects
1231 S Shelby St, Louisville, KY 40203
TEL 502.499.1100 FAX 502.499.1101

FLOOR PLANS

SECURITY UPGRADES AT RIVERVIEW OPPORTUNITY CENTER
383 HIGH SCHOOL DRIVE
SHEPHERDSVILLE, KENTUCKY 40165

BG# 19-048

DATE: 12.05.2018
DRAWN BY: CNW
CHECKED BY: CNW
REVISIONS:

2018-41.02

A1.1

GENERAL NOTES (APPLICABLE TO ALL DRAWINGS)

1. EACH CONTRACTOR, SUPPLIER AND, OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS AND AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.

2. ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSERS' DISCRETION.

3. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).

4. ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT DONE SO SHALL BE REMOVED AND REINSTALLED SATISFACTORILY.

5. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.

6. DO NOT SCALE FROM DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.

7. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL MATCH ADJACENT SURFACES.

8. THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER LOCATIONS, DEPTHS, ELEVATIONS AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC. AT THE TIME OF BID.

9. WHERE PENETRATING MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATIONS IN A WAY THAT WILL NOT VOID OR DIMINISH THE WARRANTY OR INTEGRITY IN ANY WAY. COORDINATE ALL SUCH PENETRATIONS WITH THE FACILITY ENGINEER.

10. ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.

11. DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.

12. COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, ETC. WITH ALL MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).

13. THE PURPOSE AND INTENT OF ALL THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.

14. ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.

15. INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.

16. ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING.

17. DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.

18. THE CONTRACTORS FOR THIS CONSTRUCTION ARE RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, SUPPLIERS, INSTALLERS, ETC.

19. VALVES OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT.

20. THE CONTRACTORS SHALL ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, ETC. DO NOT BLOCK ACCESS TO VALVES, EQUIPMENT, ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.

21. ALL WIRING SHALL BE PLENUM RATED.

MECHANICAL LEGEND

AFC	ABOVE FINISHED CEILING	20X12 SA	SUPPLY AIR DUCT – INSIDE DIMENSION – 20"HORZ.X12"VERT. (TURNED UP/DOWN)
AFF	ABOVE FINISHED FLOOR	20X12 RA	RETURN AIR DUCT – INSIDE DIMENSION – (TURNED UP/DOWN)
AFF	BELOW FINISHED FLOOR	20X12 EA	EXHAUST AIR DUCT – INSIDE DIMENSION – (TURNED UP/DOWN)
TYP	TYPICAL	20X12 OA	OUTSIDE AIR DUCT – INSIDE DIMENSION – (TURNED UP/DOWN)
NTS	NOT TO SCALE		FLEXIBLE DUCT
NO	NORMALLY OPEN	AD	ACCESS DOOR IN BOTTOM OF DUCT
NC	NORMALLY CLOSED		OPPOSED BLADE DAMPER (MOTORIZED)
TCC	TEMPERATURE CONTROL CONTRACTOR	M	VOLUME DAMPER (MANUAL)
	TAGGED NOTE	FD	FIRE DAMPER WITH DUCT MOUNTED ACCESS DOOR
	MECHANICAL EQUIPMENT DESIGNATOR	T	TEMPERATURE SENSOR
RTU #	ROOF TOP UNIT TAG	DS	DUCT-MOUNTED SMOKE DETECTOR
	INDICATES AIR DISTRIBUTION DEVICE SPECIFICATION (L=LOUVER, T=TRANSFER GRILLE, S=SUPPLY DIFFSER OR REGISTER, R=RETURN GRILLE OR REGISTER, E= EXHAUST GRILLE OR REGISTER)		DEMOLITION TO POINT
			DEMOLITION TO POINT AND CAP
			CONNECT TO EXISTING

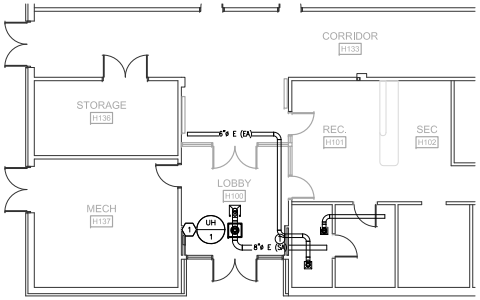
TAG NOTES (X)

1. MOUNT NEW UNIT HEATER IN CEILING CENTERED BETWEEN EXISTING LIGHT FIXTURES. SUPPORT FROM STRUCTURE PER MANUFACTURER'S INSTRUCTIONS. INTERLOCK HEATER WITH REMOTE THERMOSTAT ON WALL. HEATER SHALL ENERGIZE WHEN SPACE IS BELOW 70°F (ADJ.). PROVIDE THERMOSTAT WITH LOCKABLE CLEAR POLYCARBONATE COVER. PROVIDE HEATER WITH CEILING MOUNTING KIT AND ALL MATERIALS AND HARDWARE REQUIRED FOR INSTALLATION. PROVIDE ALL LOW VOLTAGE WIRING REQUIRED TO PERFORM SEQUENCE OF OPERATIONS AS INDICATED.

ELECTRIC UNIT HEATER

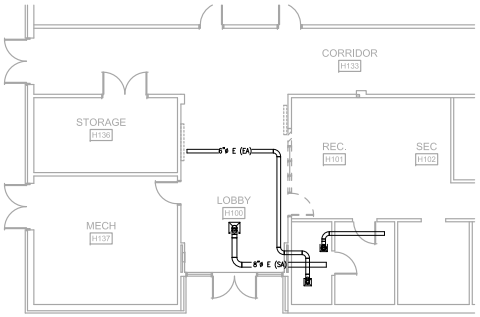
SYMBOL	UH-1
MANUF. & MODEL	MARKEL 3480 SERIES
MOUNTING TYPE	RECESSED CEILING
NOMINAL AIRFLOW (CFM)	425
ELECTRICAL CONNECTION	208V / 3ø / 60
HEATING CAPACITY	
EAT	37°F
TOTAL HEAT (KW)	5.0
FLA	13.9
REMARKS	1,2,3,4,5,6

REMARKS:
1. PROVIDE WITH MOUNTING HARDWARE.
2. REMOTE THERMOSTAT, SEE PLANS.
3. WHITE POWDER COATED FINISH ON HEAVY GAUGE STEEL HOUSING.
4. THERMAL OVERHEAT PROTECTION.
5. PROVIDE WITH FACTORY LOUVERED DIFFUSER WITH INDIVIDUALLY ADJUSTABLE BLADES.
6. PROVIDE WITH FACTORY INSTALLED DISCONNECT SWITCH.



B MECHANICAL NEW WORK FLOOR PLAN

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



A MECHANICAL DEMOLITION FLOOR PLAN

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

100% CONSTRUCTION DOCUMENTS

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1231 S Shelby St, Louisville, KY 40203
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Bullitt Moving Forward

MECHANICAL NOTES AND FLOOR PLANS

SECURITY UPGRADES AT RIVERVIEW OPPORTUNITY CENTER
363 HIGH SCHOOL DRIVE
SHEPHERDSVILLE, KENTUCKY 40165

BG# 19-048

DATE: 12.05.2018
DRAWN BY: CAH
CHECKED BY: JRE
REVISIONS:
rev
rev
rev

2018-41.02

M1.0

GENERAL NOTES (APPLICABLE TO ALL WORK AND DOCUMENTS):

A. EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.

B. ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.

C. WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES. INCLUDING BUT NOT LIMITED TO NFPA 70 (NEC), NFPA 72, INTERNATIONAL BUILDING CODES, ETC.

D. CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES, WITH ALL AMENDMENTS AS ADOPTED BY THE CURRENT LEGISLATION. REFER TO ELECTRICAL AND STRUCTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

E. ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.

F. INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING OR THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEER.

G. ADVISE THE ENGINEER OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.

H. WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.

I. DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.

J. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).

K. MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INDICATED ABOVE FINISHED FLOOR ARE TO CENTER OF DEVICE U.N.O. MOUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE U.N.O.

L. INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION.

M. DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.

N. THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE-NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.

O. ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.

P. ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEER, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.

Q. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK AND COLORS WITH ARCHITECT.

R. WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING MANUFACTURER AND ARCHITECT.

S. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, CASH CONTRIBUTIONS OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE, TELEVISION, DATA, ETC.).

T. COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF ADDITIONAL RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.

U. CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'X2' CEILING TILE AND INSTALLED CENTERED ON 2' DIMENSION OF 2'X4' TILE AND ON CENTERLINE OR A QUARTER POINT ON 4' DIMENSION.

V. ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTORS' EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.

W. CHECK ALL THREE PHASE MOTORS WITH A PHASE ROTATION METER, PRIOR TO PLACING IN SERVICE.

X. PROVIDE DETAILED SHOP DRAWINGS TO ENGINEER PRIOR TO PURCHASING OR INSTALLING ANY EQUIPMENT.

Y. DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.

Z. THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.

AA. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.

BB. WHERE FIRE-RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE UL-LISTED FIRE-RATED GYPSUM BOARD OR PRE-MANUFACTURED ENCLOSURES ABOVE LUMINAIRES, CEILING DEVICES, ETC. IN OR ON CEILING, AS REQUIRED TO MAINTAIN CEILING RATINGS.

CC. COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).

DD. ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVAL AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.

EE. ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR, SHALL BE INSTALLED CONTINUOUS INSOFAR AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.

FF. NO CONDUIT, SUPPORTS, ETC. SHALL BE RUN THROUGH ACCESS CLEARANCES OF EQUIPMENT BY OTHER TRADES (I.E. VAV BOXES). COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.

GG. ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

HH. ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING.

II. WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.

JJ. REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT ENGINEER FOR DIRECTION PRIOR TO ROUGH IN.

KK. FLUSH OR PEDESTAL TYPE FLOOR OUTLETS/BOXES, AS INDICATED ON PLAN, SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.

LL. AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK, FULL EXTENT OF AREAS INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.

MM. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S STANDARDS FOR SUCH WORK.

NN. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.

OO. INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER, GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT, AT LEAST TWO WEEKS IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.

PP. WHERE BACKBOXES ARE LOCATED IN THE SAME VERTICAL CHANNEL/STUD SPACE ON OPPOSITE SIDES OF THE SAME WALL, PROVIDE SOUND-INSULATING PUTTY AROUND BOXES AS REQUIRED TO ELIMINATE SOUND TRANSMISSION FROM ROOM TO ROOM.

QQ. JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE LOCATED NO MORE THAN 36" ABOVE CEILING LEVEL. LABEL EACH BOX IN AREA OF WORK WITH A PERMANENT MARKER OR IN ACCORDANCE WITH SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.

RR. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.

SS. DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.

TT. NOISY WORK, WORK OUTSIDE CONSTRUCTION BARRIERS, WORK IN OCCUPIED AREAS, ETC. SHALL BE PERFORMED AFTER HOURS OR ON WEEKENDS. COORDINATE EXACT SCHEDULING WITH FACILITY PRIOR TO CONSTRUCTION.

UU. ALL ITEMS HAVING KEYED LOCKS/OPERATORS SHALL HAVE CORED LOCKS/OPERATORS. ALL KEYING SHALL MATCH THE OWNER'S EXISTING KEY-WAYS. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.

VV. REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS. WORK SHALL BE COMPLETED IN PHASES PER THE PHASING PLAN AND AS COORDINATED WITH OWNER AND GENERAL CONTRACTOR. PROVIDE ALL REQUIRED INCREMENTAL INSPECTIONS, CERTIFICATIONS, ETC. AND ALL TEMPORARY SERVICES AS REQUIRED BY OWNER TO ACCOMPLISH THE PHASING PLAN.

VW. PROVIDE NEMA RATINGS THAT ARE APPROPRIATE FOR THE ENVIRONMENT. WHERE NO NEMA RATING IS LISTED, THE ENGINEER SHALL MAKE THE FINAL DETERMINATION.

DESCRIPTION	MOUNTING HEIGHT	DRAWING SYMBOL
LOCAL SOUND		
WALL MICRO-PHONE OUTLET : SINGLE	1'-4"	M
WALL MICRO-PHONE OUTLETS(# AS NOTED)	1'-4"	M 2, 3, 4
FLOOR MICRO-PHONE OUTLET : SINGLE	FLOOR	M
FLOOR MICRO-PHONE OUTLETS(# AS NOTED)	FLOOR	M2,M3,M4
AUDITORIUM SYSTEM SOUND SPEAKER	SEE SPECS	AS
CAFETERIA SYSTEM SOUND SPEAKER	SEE SPECS	CS
AUDITORIUM SOUND SYSTEM AMPLIFIER	5'-0" TO CENTER	SS-A
CAFETERIA SOUND SYSTEM AMPLIFIER	5'-0" TO CENTER	SS-C
LECTURE HALL SOUND SYSTEM AMPLIFIER	5'-0" TO CENTER	SS-L
LECTURE HALL SOUND SYSTEM SPEAKER	5'-0" TO CENTER	LS
CLASSROOM SOUND SYSTEM SPEAKER	SEE SPECS	SS
BAND SOUND SYSTEM SPEAKER	SEE DWGS	BS

DESCRIPTION	MOUNTING HEIGHT	DRAWING SYMBOL
SWITCHES		
LIGHT SWITCH: GENERAL PURPOSE	46"	$
EXAM LIGHT SWITCH		$ X
NIGHT LIGHT SWITCH WITH CONSTANTLY ILLUMINATED HANDLE		$ N
SURGICAL LIGHT INTENSITY CONTROL		$ SL
DIMMER SWITCH		$ D
THREE-WAY SWITCH		$ 3
FOUR-WAY SWITCH		$ 4
KEYED SWITCH		$ K
OCCUPANCY SENSOR SWITCH		$ OS
VACANCY SENSOR SWITCH		$ VS
LIGHT SWITCH FOR UNDER-CABINET LIGHTS		$ U
ILLUMINATED HANDLE LIGHT SWITCH (ILLUMINATED WHEN LOAD IS OFF)		$ IL
LOW VOLTAGE MOMENTARY SWITCH		$ LV
PILOT LIGHT SWITCH (ILLUMINATED WHEN LOAD IS ON)		$ PL
TIMER SWITCH: 0-15 MIN. W/ HOLD SETTING TORK #A500 SERIES.		$ T
MOMENTARY CONTACT SWITCH		$ MC
H.O.A. 3-POSTION SWITCH		$ HOA
NON-REVERSING 1ø MOTOR STARTER SNAP SWITCH	AS NOTED	$ M
VACANCY SENSOR, CEILING MOUNT	CLG	VS
PHOTO-CELL AS NOTED	AS NOTED	PC
OCCUPANCY SENSOR, CEILING MOUNT	CLG	OS
EMERGENCY AUTOMATIC TRANSFER SWITCH FOR LIGHTING CONTROLS (REFER TO DETAIL)		ER
POWER OUTLETS		
SIMPLEX RECEPTACLE	1'-6"	
DUPLEX RECEPTACLE - SAFETY TYPE, TAMPER-RESISTANT	1'-6"	S
DUPLEX RECEPTACLE	1'-6"	
SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTERTOP 4" ABOVE BACKSPLASH, NO HIGHER THAN 48"	ACT.	
DUPLEX WITH INTEGRAL GROUND FAULT PROTECTION	1'-6"	GFI
GANG RECEPTACLE IN COMBINATION WITH SWITCH (PROVIDE DIVIDER IF LIGHTING CIRCUIT IS 277V)	46"	C/S
QUADRUPLEX RECEPTACLE	1'-6"	
JUNCTION BOX		J
VOLTAGE/1ø RECEPTACLE, AS NOTED	AS NOTED	
VOLTAGE/3ø RECEPTACLE, AS NOTED	1'-6"	
"DOG-HOUSE" TYPE TWIN DUPLEX RECEPTACLE WITH ONE DUPLEX RECEPTACLE ON BOTH SIDES. (2) HUBBELL #8300-I/R RECEPTACLES HUBBELL #SC3098 BOX (2) HUBBELL #SS309D COVERS	ON CNTR.	DP
QUADRAPLEX - SURGE SUPPRESION TYPE		SS
WEATHER RESISTANT DUPLEX - WITH WEATHER-PROOF "WHILE IN USE" TYPE DIE-CAST METAL COVERPLATE WITH LOCKABLE ENCLOSURE AT OUTLET - SEE SPECIFICATIONS.	2'-2"	WP
DUPLEX FOR ELECTRIC WATER COOLER: PROVIDE GFI TYPE CIRCUIT BREAKER FOR CIRCUIT SERVING WATER COOLER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR TO CONCEAL OUTLET BEHIND COOLER.		EWC
FIRE ALARM		
MAIN CONTROL PANEL CENTRAL PROCESSING UNIT (CPU)	6'-6" TO TOP	FACP
PULL STATION : DOUBLE ACTION	46" TO LEVER	F
KEY-OPERATED STATION SHALL ONLY BE OPERABLE VIA KEY IN POSSESSION OF STAFF (NO HANDLE).	46" TO LEVER	F K
AUDIO/VISUAL NOTIFICATION APPLIANCE	WALL	F
AUDIO-ONLY NOTIFICATION APPLIANCE	WALL	H
VISUAL-ONLY NOTIFICATION APPLIANCE	WALL	S
BELL / LIGHT	80"	BL
BELL ONLY	80"	B
PHOTO-ELECTRIC SMOKE DETECTOR	CLG	SD
PHOTO-ELECTRIC SMOKE DETECTOR FOR PATIENT ROOM MONITORING (SEE RISER)	CLG	SD P
PHOTO-ELECTRIC SMOKE DETECTOR/HEAT DETECTOR FOR ELEVATOR CONTROL	CLG	SD EL, HD EL
HEAT DETECTOR	CLG	HD
CARBON MONOXIDE DUCT DETECTOR	ABV CLG	CD
CARBON MONOXIDE ALARM: SINGLE STATION W/SOUNDER BASE	CLG	CM
CARBON MONOXIDE AUDIO/VISUAL NOTIFICATION APPLIANCE	WALL	CF
DOOR HOLDER : WALL TYPE	WALL	DH
DOOR HOLDER : CLOSURE TYPE	ABV DOOR	DH C
DUCT SMOKE DETECTOR	ABV CLG	DD
CONNECTION TO SPRINKLER FLOW SWITCH WITH ADDRESSABLE MODULE		FS
CONNECTION TO SPRINKLER TAMPER SWITCH WITH ADDRESSABLE MODULE		TS
PRESSURE SWITCH		PS
REMOTE L.C.D. FIRE ALARM ANNUNCIATOR	54"	FAA
POST INDICATOR VALVE		PIV
POWER SUPPLY/CONTROL FOR AUDIO/VISUAL DEVICES	54"	NAC
GRAPHICS DISPLAY TERMINAL		GDT
ISOLATION MODULE	WALL	I
ZONE ADDRESSABLE MODULE		Z
H.V.A.C. SMOKE DAMPER CONNECTION		SM
FLUSH MOUNTED REMOTE ALARM INDICATING STATION/TEST SWITCH	7'-6"	RI
FIREMAN'S PHONE JACK		FP
ADDRESSABLE RELAY MODULE		R
VANDAL-PROOF POLYCARBONATE COVER. VANDAL-PROOF COVERS SHALL BE UL LISTED FOR USE WITH THE SPECIFIC DEVICE THEY ARE PROTECTING.		PC

DESCRIPTION	MOUNTING HEIGHT	DRAWING SYMBOL
LIGHTING		
REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT FIXTURE SPECIFICATIONS, MOUNTING HEIGHTS, ETC.		
SURFACE CEILING FIXTURE (SLASH INDICATES RECESSED)		
LIGHT POLE		
EMERGENCY BATTERY WALL-PACK		
WALL MOUNT FIXTURE		
FLOODLIGHT		
SURGICAL/EXAM LIGHT		SL, XL
EXIT LIGHT (CEILING, END, WALL MOUNT)		
STRIP FIXTURE		
CROSS-HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY-CRITICAL BRANCH		
PARALLEL-HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY-LIFE SAFETY BRANCH		
MISC.		
CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE: ARROW(S) INDICATE(S) HOME RUN & # OF CIRCUITS: HASHMARKS INDICATE # OF CONDUCTORS. DASHED LINE INDICATES CONDUIT BELOW FLOOR.		GROUND, NEUTRAL, Ø
DISCONNECT SWITCH	54"	
MAGNETIC STARTER	54"	
MAGNETIC COMBINATION STARTER	54"	
ENCLOSED FLUSH MTD. CIRCUIT BREAKER	54"	
SURFACE MOUNTED BACKBOX/WIREMOLD		
WIREWAY WITH REMOVABLE COVER (SIZE AS NOTED)	AS SHOWN	
TRENCH DUCT (SIZE AS NOTED)	AS SHOWN	
PUSHBUTTON STATION	46"	
CONTINUATION		
PANELBOARD, SURFACE OR FLUSH MOUNTED, HATCHING INDICATES EMERGENCY	6'-6" TO TOP	
TRANSFORMER	AS NOTED	
EMERGENCY POWER CIRCUIT		— E —
M.E.S. (MAJOR EQUIPMENT SCHEDULE) # INDICATOR		
TAGGED NOTE		
REVISION TAG		
MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES)		
JUNCTION BOX	1'-6"	J
CABLE TRAY		
LOW VOLTAGE CABLING PATH		
DOORBELL PUSHBUTTON STATION. PROVIDE COMPLETE WITH TRANSFORMER (MOUNT ABOVE CEILING IN CORRIDOR NEAR PUSH-BUTTON) AND ALL ACCESSORIES. POWER FROM NEAREST AVAILABLE 120V NORMAL POWER GENERAL RECEPTACLE CIRCUIT. NUTONE OR EQUAL.	46"	DB
DOORBELL AUDIO/VISUAL STATION. PROVIDE PROVIDE CONNECTION TO PUSHBUTTON STATION IN AREA. COORDINATE EXACT AUDIO SOUND (CHIME, BUZZER, ETC.) DESIRED WITH OWNER/ARCHITECT. NUTONE OR EQUAL.	7'-6"	DB
EQUIPMENT HARDWIRE CONNECTION (SEE DETAIL)		J
EQUIPMENT OUTLET COUPLING CONNECTION (SEE DETAIL)		J K
REMOTE GFI DEVICE	46"	J GFI
INDICATES MOUNTING HEIGHT OF 48"	46"	W
INDICATES MOUNTING ABOVE COUNTER-TOP, 2" ABOVE BACKSPLASH, NO HIGHER THAN 48"		C
WIREGUARD - PROVIDE MANUFACTURER'S SPECIFIC GUARD FOR DEVICE NOTED		WG
WEATHERPROOF - NEMA-3R, WET LOCATION LISTED. PROVIDE COVERS, RATINGS, ETC, AS SUITABLE FOR OUTDOORS.		WP
EXPLOSION PROOF - PROVIDE WIRING METHODS, ENCLOSURES, RATINGS, ETC. AS SUITABLE FOR HAZARDOUS LOCATION.		XP
INDICATES EMERGENCY POWER		E
PLUMBING FIXTURE SOLENOID VALVE/ELECTRIC EYE SENSOR CONNECTION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.		
PLUMBING FIXTURE ELECTRIC EYE TRANSFORMER CONNECTION. TRANSFORMER SHALL BE 120V-24V. MOUNT ABOVE SUSPENDED ACCESSIBLE CEILING IN J-BOX. PROVIDE ADDITIONAL TRANSFORMERS OF SAME TYPE AS/IF NEEDED.		
PROVIDE CONNECTION TO HAND DRYER (SEE ARCHITECTURAL SPECIFICATIONS).	VERIFY WITH ARCHITECT	
SURGE PROTECTION DEVICE		SPD
GENERATOR ANNUNCIATOR PANEL - SEE SPECIFICATIONS.	54'	GEN-A
THERMOSTAT PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE BACK-BOX CONDUIT STUB-UP.		T
DATA / VOICE		
DATA OUTLET : NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA JACKS.	1'-6"	#D
VOICE OUTLET : NUMBER BESIDE OUTLET INDICATES NUMBER OF VOICE JACKS.	1'-6"	#V
COMBINATION OUTLET : NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA/VOICE JACKS.	1'-6"	#D/#V
OUTLET (VOICE ONLY) : PAYPHONE TYPE	AS REQ'D.	PAY
MAIN DISTRIBUTION FRAME - **REFERENCE DATA SYSTEM SCHEMATICS AND DETAILS FOR ADDITIONAL REQUIREMENTS**		MDF
INTERMEDIATE DISTRIBUTION FRAME - **REFERENCE DATA SYSTEM SCHEMATICS AND DETAILS FOR ADDITIONAL REQUIREMENTS**		IDF
TELECOMMUNICATIONS SYSTEM BACKBOARD. PROVIDE 96"H x 3/4"D FIRE-RETARDENT PLYWOOD BACKBOARD WITH TWO (2) COATS OF NON-CONDUCTIVE, FIRE-RETARDANT LIGHT GRAY PAINT, #3/0 TO GROUND BAR AT MAIN SERVICE SWITCHBOARD, 30-PT GROUND BAR AND A 6'-0", #3 AWG PIGTAIL AT BACKBOARD. INSTALL BOARD AT 2' AFF. (LENGTH OF BOARD AS INDICATED ON FLOOR PLAN).		TEL
WIRELESS ACCESS POINT **WITH PROVISIONS FOR DATA OUTLET FOR ANTENNA. PROVIDE A COMPLETE DATA OUTLET WITH FACEPLATE ABOVE CEILING, MOUNTED AT AN ACCESSIBLE HEIGHT NO MORE THAN 24" ABOVE CEILING. AT EACH OUTLET, PROVIDE A 25' COIL OF CABLE AHEAD OF THE OUTLET FOR ADJUSTMENT OF FINAL OUTLET LOCATION. THE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS WITH THE OWNER AND ADJUST OUTLET LOCATIONS AT SUBSTANTIAL COMPLETION TO ACCOMMODATE OWNER'S WAP LOCATIONS BASED ON A WIRELESS SURVEY.**		WAP

DESCRIPTION	MOUNTING HEIGHT	DRAWING SYMBOL
ABBREVIATIONS		
UNLESS OTHERWISE NOTED		UON
OWNER FURNISHED CONTRACTOR INSTALLED		OFCI
OWNER FURNISHED OWNER INSTALLED		OFOI
CONTRACTOR FURNISHED CONTRACTOR INSTALLED		CFCI
CONTRACTOR FURNISHED OWNER INSTALLED		CFOI
INDICATES EMERGENCY POWER		EM
SPECIAL OUTLETS		
1-GANG FLOOR BOX WITH 20A DUPLEX RECEPTACLE	FLOOR	FB
2-GANG FLOOR BOX WITH 20A DUPLEX RECEPTACLE, TWO DATA/ONE VOICE.	FLOOR	FB-A
3-GANG FLOOR BOX WITH 20A DUPLEX RECEPTACLE, TWO DATA/ONE VOICE, ONE HDMI.	FLOOR	FB-B
3-GANG FLOOR BOX WITH 20A DUPLEX RECEPTACLE, TWO DATA/ONE VOICE, TWO HDMI.	FLOOR	FB-C
FIRE RATED POKE-THRU FLOOR BOX. 1-GANG WITH 20A DUPLEX RECEPTACLE		PT-A
FIRE RATED POKE-THRU FLOOR BOX. 2-GANG WITH 20A DUPLEX RECEPTACLE, TWO DATA/ONE VOICE.		PT-B
4-GANG FLOOR BOX WITH 20A DUPLEX RECEPTACLE, TWO DATA/ONE VOICE, ONE HDMI.		PT-C
OVERHEAD PROJECTOR: PROVIDE DUPLEX RECEPTACLE, ONE DATA, ONE HDMI.	CLG	P
SPECIAL VIDEO SYSTEM SIGNAL INPUT		
SURFACE PLUG-MOLD		
SURFACE WIRE-MOLD		
POWER POLE AS NOTED		PP
TELEVISION		
TELEVISION SPLITTERS/AMPLIFIERS/DISTRIBUTION	54"	TV-HE
TELEVISION SYSTEM OUTLET WITH DUPLEX RECEPTACLE. COORDINATE LOCATION WITH WALL BRACKET WHERE APPLICABLE.	1'-6"	T
OVERHEAD PAGING		
PAGING SPEAKER: CEILING. LEAVE 10' OF ADDITIONAL SLACK COILED AT PROPOSED SPEAKER LOCATIONS FOR FINAL ADJUSTMENT OF SPEAKER LOCATIONS.	CLG	S
PAGING SPEAKER W/ VOLUME CONTROL	CLG	SV
PAGING SPEAKER: WALL	8'-0"	S
RECESSED WALL MOUNTED PAGING SPEAKER DUKANE 5A606 SPEAKER ATLAS 417-8WD	8'-0"	S R
WALL MOUNTED PAGING HORN	9'-0"	H
VANDAL PROOF / WEATHERPROOF WALL MOUNTED PAGING SPEAKER QUAM VP1	SEE FLOOR PLANS	S WP
EXTERIOR VANDAL PROOF / WEATHERPROOF WALL MOUNTED PAGING SPEAKER. SHALL BE PAINTED COLOR SELECTED BY ARCHITECT/OWNER. QUAM VP6	SEE FLOOR PLANS	S EXT.
CALL INITIATION STATION	46"	C
WALL VOLUME CONTROL	46"	V
LCD WALL DISPLAY		LD
PAGING MICROPHONE	1'-6"	M
PAGING SYSTEM AMPLIFIER/TUNER CABINET	54"	PA
CLOCKS		
ANALOG CLOCK	84"	
ELAPSED TIMER		ET
DIGITAL CLOCK: SINGLE FACE	84"	DC
DIGITAL CLOCK: DUAL FACE	84"	2DC
CLOCK SYSTEM HEAD END	84"	CLOCK
PANEL FURNITURE		
PANEL FURNITURE DUPLEX RECEPTACLE. PROVIDE ALL WIRING AS REQUIRED. COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATIONS WITH OWNER's PANEL FURNITURE VENDOR.		
PANEL FURNITURE DATA/VOICE OUTLET. PROVIDE ALL WIRING AS REQUIRED. COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATIONS WITH OWNER's PANEL FURNITURE VENDOR.		
POWER CONNECTION TO PANEL FURNITURE. PROVIDE SEAL-TIGHT CONDUIT CONNECTION FROM RECESSED WALL BOX TO PANEL FURNITURE. PROVIDE FINAL CONNECTIONS TO PANEL FURNITURE AS REQUIRED BY PANEL FURNITURE VENDOR.	1'-6"	J FP
DATA/VOICE CONNECTION TO PANEL FURNITURE. PROVIDE SEAL-TIGHT CONDUIT CONNECTION FROM RECESSED WALL BOX TO PANEL FURNITURE. PROVIDE 1" CONDUIT STUB-UP FROM WALL BOX TO NEAREST CABLING PATH. PROVIDE ONE WALL BOX WITH CONDUIT STUB-UP PER EACH (4) DATA CABLES. COORDINATE EXACT NUMBER OF DATA CABLES WITH FURNITURE VENDOR AND OWNER. PROVIDE FINAL CONNECTIONS TO PANEL FURNITURE AS REQUIRED BY PANEL FURNITURE VENDOR.	1'-6"	J FS

DESCRIPTION	MOUNTING HEIGHT	DRAWING SYMBOL
SECURITY PANIC ALARM		
PANIC ALARM BUTTON	46"	PB
PANIC ALARM ANNUNCIATOR	46"	PA
AMBER STROBE	84"	AS
PANIC ALARM POWER SUPPLY CABINET	54"	SEC-P
SECURITY INTERCOM		
AUDIO/VIDEO INTERCOM STATION: MASTER WITH SELECTIVE DOOR CONTROLS, POWER SUPPLIES & DOOR RELAY CONTACTS AS REQUIRED FOR OPERATION OF ANY DOOR IN THE SYSTEM AND VIEWING OF ANY AUDIO/VIDEO INTERCOM REMOTE ON THE SYSTEM. AIPHONE#AX-MV W/ DESK STAND - COLOR BY ARCHITECT.	18"	IM
SAME AS "IM" EXCEPT WALL MOUNTED	46"	IM W
AUDIO/VIDEO INTERCOM STATION: REMOTE WITH FLUSH-MTD S.S. ENCLOSURE. AIPHONE #AX-DVF.	46"	IR

DESCRIPTION	MOUNTING HEIGHT	DRAWING SYMBOL
SECURITY ACCESS CONTROL		
DOOR ALARM/POSITION SWITCH	DOOR FRAME	DA
MAGNETIC LOCK(S)	ABV DOOR	ML
DOOR POWER SUPPLY	ABV CLG	DS
DOOR DELAYED EGRESS / ELECTRIFIED PANIC MECHANISM	ABV DOOR	DP
ELECTRIC STRIKE	AT LATCH	ES
AUTOMATIC DOOR CONNECTION (MAY ALSO HAVE ELECTRIC STRIKE/MAG-LOCK/ELECTRIFIED PANIC CONNECTION - SEE ARCHITECTURAL HARDWARE SPECIFICATIONS)	CLG	AD
DOOR RELEASE PUSH-PLATE / INFRA-RED OPERATOR STATION. PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED.	46"	PP
DOOR RELEASE KEYSWITCH STATION	6'-0"	KS
DOOR RELEASE KEYPAD STATION	46"	KP
DOOR RELEASE CARD READER STATION. PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED.	46"	CR
SAME AS "CR" EXCEPT MULLION MOUNT	46"	CR M
MOTION SENSOR DOOR CONTROL	CEIL.	MS
PUSH-TO-EXIT BUTTON	46"	PE
REMOTE DOOR RELEASE PUSH-BUTTON	8" ACT	RR
ACCESS CONTROL POWER SUPPLIES/CONTROL PANEL	54"	SEC-A
SECURITY CCTV VIDEO SURVEILLANCE		
CCTV CAMERA: CEILING MOUNT DOME	CLG	CC
CCTV CAMERA: WALL MOUNT DOME	WALL	CC
INDICATES EXTERIOR CAMERA RATED FOR CONDITIONS, WET LOCATION LISTED, WITH AUXILLARY HEATER		WP
INDICATES CAMERA WITH PAN/TILT/ZOOM FUNCTION		PTZ
CCTV POWER SUPPLIES/CONTROL PANEL	54"	SEC-C
SECURITY INTRUSION DETECTION		
MOTION DETECTOR	CLG	MD
MOTION DETECTOR KEYPAD CONTROLLER	46"	MK
SECURITY SYSTEM HEAD END	54"	SEC-M

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ELECTRICAL LEGEND

SECURITY UPGRADES AT RIVERVIEW OPPORTUNITY CENTER

383 HIGH SCHOOL DRIVE
SHEPHERDSVILLE, KENTUCKY 40165

BG# 19-048

DATE: 12.05.2018
DRAWN BY: JSL
CHECKED BY: JSL
REVISIONS:
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2018-41.02

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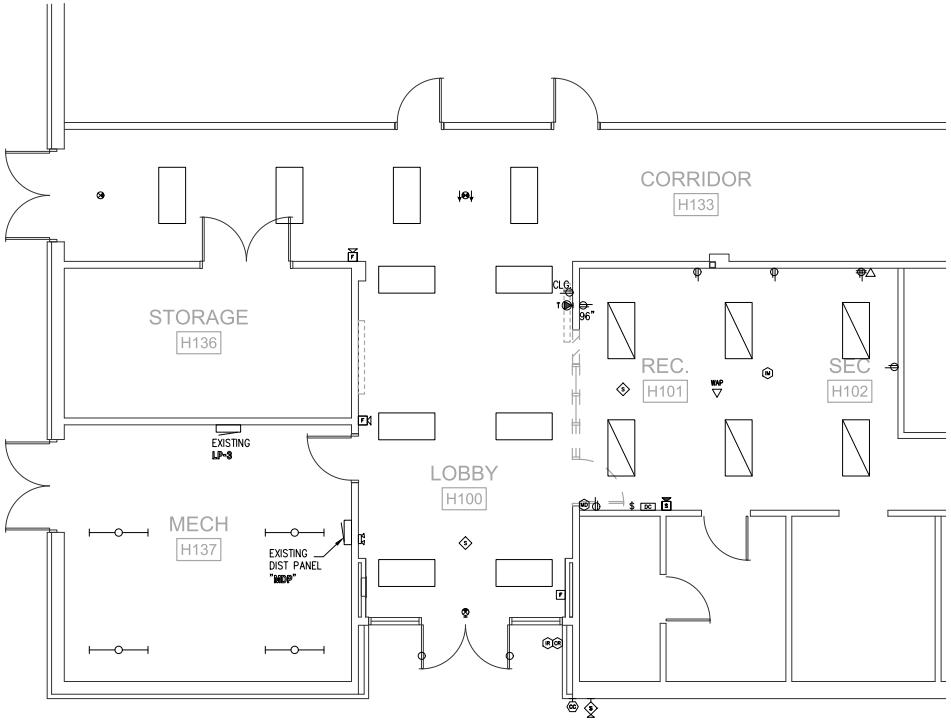

01 ELECTRICAL DEMOLITION - PARTIAL FLOOR PLAN

E2.0 1/4" = 1'-0"

GENERAL DEMOLITION NOTES :

A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (U.O.N.) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

B. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN . WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS : THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE– DEMOLITION" WORKING ORDER . "LEFT–OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS . PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.

C. LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.

D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (U.O.N.). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES – SEE ARCHITECTURAL PLANS).

E. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.

F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.

G. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.

H. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.

I. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE–WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

TAGGED NOTES :

1. NOT USED.

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ELEC DEMO - PARTIAL 1ST FLOOR

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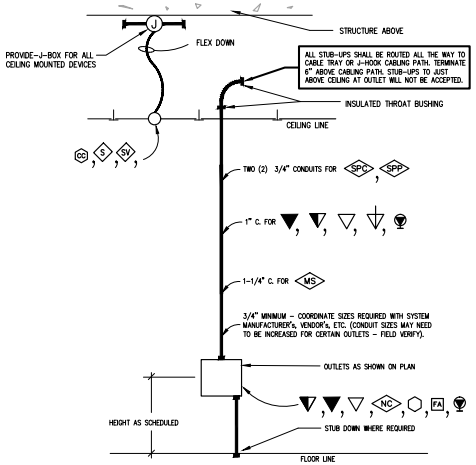


GENERAL NOTES :

A. EXTEND CONDUIT TO NEAREST WIRING PATH UNLESS CABLING TERMINATES AT ANOTHER OUTLET IN THE SAME ROOM (IN WHICH CASE, STUB CONDUIT OUT ABOVE THE ROOM'S SUSPENDED CEILING). REFER TO GENERAL NOTES LOCATED ON ALL SYSTEM'S DRAWINGS. ACCESS CONTROL CONDUITS SHALL STUB ABOVE ACCESSIBLE CEILING FOR VENDOR FURNISHED ACCESS CONTROL CABLING, ETC.
B. WHERE OPEN CABLING IS INSTALLED WITHIN ENVIRONMENT AIR PLENUMS, SUCH CABLING SHALL MEET NEC REQUIREMENTS FOR SUCH INSTALLATIONS.
C. LABEL BACK OF OUTLET BOXES AND ENDS OF CONDUIT WITH UNIQUE NUMBER TO IDENTIFY EACH STUB-UP. USE PERMANENT MARKER PEN, 3/4" HIGH LETTERS, MATCH NUMBER ON OUTLET BOX TO END OF CONDUIT
D. INSTALL TELECOMMUNICATION AND CABLE TV OUTLETS WITHIN 4" OF POWER RECEPTACLE WHERE POWER RECEPTACLE IS SHOWN ON POWER PLANS IN SAME GENERAL LOCATION.
E. BACKBOXES MAY NOT BE SHARED BETWEEN POWER AND SYSTEMS DEVICES (I.E. WITH DIVIDERS).

ROUGHING-IN DETAIL FOR STUB-OUTS

NO SCALE

LIGHT FIXTURE SCHEDULE :

TYPE	DESCRIPTION	MODEL	LAMPS	REMARKS	VOLTAGE
X1	UNIVERISAL MOUNT, SINGLE FACE, EXIT SIGN WITH DIE CAST ALUMINUM HOUSING	LITHONIA #LVSW1R COOPER EQUAL LIGHTOLIER EQUAL	LED LAMPING		UNV

GENERAL NEW WORK NOTES (ELECTRICAL):

A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.

B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.

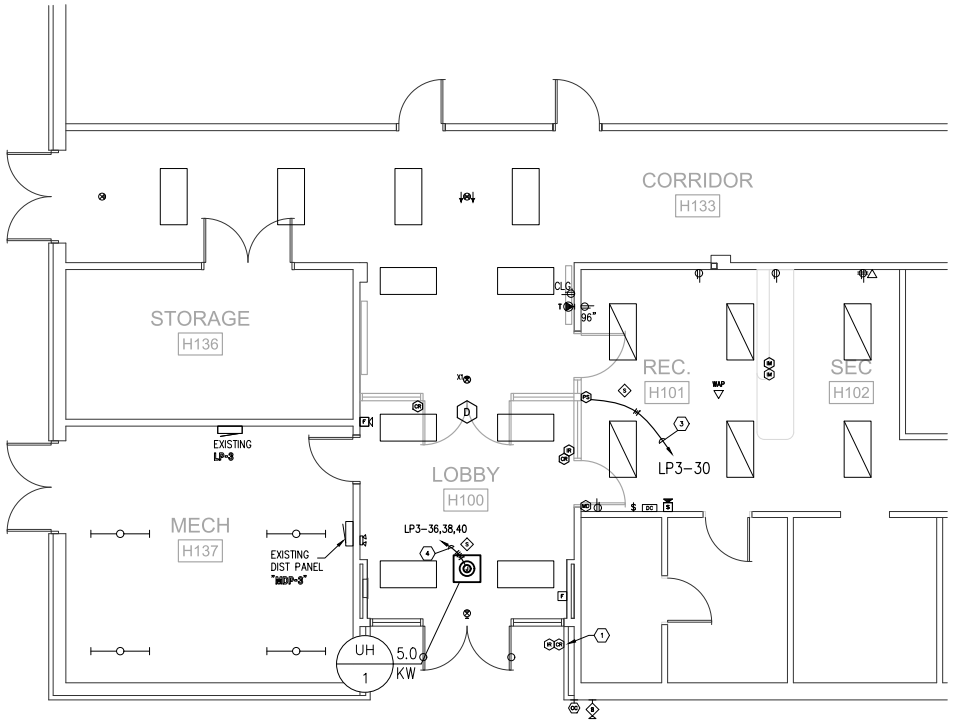
C. LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.

D. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

F. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.

G. THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.



TAGGED NOTES :

1. UTILIZE EXISTING CARD READER BACKBOX/ROUGH-IN AS REQUIRED FOR NEW OWNER FURNISH ACCESS CONTROL. PROVIDE NEW RACEWAY AT NEW DOOR TO ACCEPT ELECTRONIC HARDWARE, WIRING, ETC. UTILIZE EXISTING 120 POWER FOR SUPPLY NEW ABOVE CEILING POWER. COORDINATE WORK WITH BOPS I.T. DEPARTMENT.
2. EXISTING AI-PHONE SYSTEM TO BE RELOCATED (AT RECEPTION AREA). RELOCATION ACCOMPLISHED BY OWNER, COORDINATED BY THIS CONTRACTOR.
3. ROUTE # OF #12 CONDUCTORS AS INDICATED IN 3/4 " CONDUIT TO NEW/SPARE 20A/1P BREAKER IN EXISTING PANEL INDICATED.
4. ROUTE # OF #10 CONDUCTORS AS INDICATED IN 3/4 " CONDUIT TO NEW/SPARE 30A/3P BREAKER IN EXISTING PANEL INDICATED.

01 LIGHTING/POWER/SYSTEMS - PARTIAL FLOOR PLAN
E3.0 1/4" = 1'-0"

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LIGHTING/POW/SYS - PARTIAL 1ST FLOOR

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