

INTERIOR REMODEL

COMPUTER BANK

1545 NORTH 11TH STREET
SPRINGFIELD, ILLINOIS

ARCHITECT:



1630 South Sixth Street
Springfield, Illinois 62703
Phone 217.789.7011

GENERAL NOTES

- 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. ALL WORK REQUIRING MEASURING SHALL BE DONE ACCORDING TO THE DIMENSIONS ON THE DRAWINGS AND NOT SCALED FROM DRAWINGS. THE ARCHITECT WILL FURNISH ANY ADDITIONAL DIMENSIONS UPON REQUEST.
- 2. ALL WORK SHALL CONFORM TO PREVAILING CODES, ORDINANCES AND REQUIREMENTS.
- 3. CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION, AND SHALL PAY ALL APPLICABLE FEES. THE OWNER HAS APPLIED FOR THE CITY OF SPRINGFIELD BUILDING PERMIT AND PAID THE PLAN REVIEW FEE. THE PERMIT ISSUANCE FEE SHALL BE PAID BY THE CONTRACTOR.
- 4. CONTRACTOR SHALL PROVIDE THE OWNER WITH A WRITTEN ONE (1) YEAR GUARANTEE COVERING ALL LABOR AND MATERIALS FURNISHED AND INSTALLED AS PART OF THIS PROJECT. GUARANTEE SHALL COMMENCE FROM THE DATE OF SUBSTANTIAL COMPLETION.
- 5. THE HVAC AND ELECTRICAL CONTRACTORS SHALL BE REGISTERED WITH THE CITY OF SPRINGFIELD
- 6. PERMITS ARE REQUIRED BEFORE STARTING OF WORK

BUILDING CODE SUMMARY

GOVERNING CODES:

- 2012 INTERNATIONAL BUILDING CODE
- 2000 NFPA 101 LIFE SAFETY CODE
- SPRINGFIELD BUILDING ORDINANCE, CHAPTER 170
- 2012 INTERNATIONAL MECHANICAL CODE
- 2012 INTERNATIONAL FUEL GAS CODE
- SPRINGFIELD MECHANICAL ORDINANCE, CHAPTER 173
- 2011 NATIONAL ELECTRICAL CODE
- SPRINGFIELD ELECTRICAL ORDINANCE, CHAPTER 172
- 2014 ILLINOIS STATE PLUMBING CODE
- SPRINGFIELD PLUMBING ORDINANCE, CHAPTER 171
- 1997 ILLINOIS ACCESIBILITY CODE
- 2006 INTERNATIONAL FIRE CODE
- SPRINGFIELD FIRE SAFETY ORDINANCE, CHAPTER 94
- SPRINGFIELD ZONING ORDINANCE, MARCH 2005
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE

USE GROUP CLASSIFICATION	B
CONSTRUCTION CLASSIFICATION	5B (NON-SPRINKLERED)
TOTAL PROJECT AREA	1,388 S.F.

INDEX TO DRAWINGS

- G-1 COVER SHEET
- A-1 FLOOR PLAN, CEILING PLAN
- HV-1 HVAC PLAN, SCHEDULES, NOTES
- E-1 ELECTRICAL PLANS
- E-2 SCHEDULES, NOTES



Date Signed: APRIL 9, 2018

Expiration Date: NOV. 30, 2018

1630 South Sixth Street
Springfield, Illinois 62703
Phone 217.789.7011



INTERIOR REMODEL
COMPUTER BANK
1545 NORTH 11TH STREET
SPRINGFIELD, ILLINOIS

Date: APRIL 9, 2018

Project No. 18-021

Drawn By: MDD

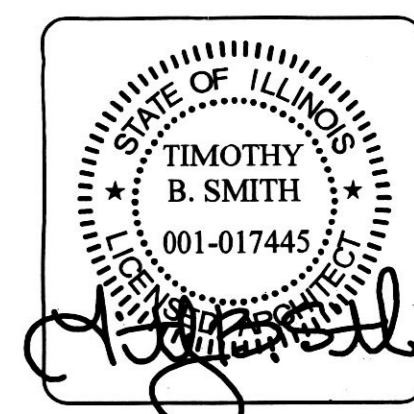
Revised: ,

Revised: ,

SHEET

G-1

OF 5 SHEETS



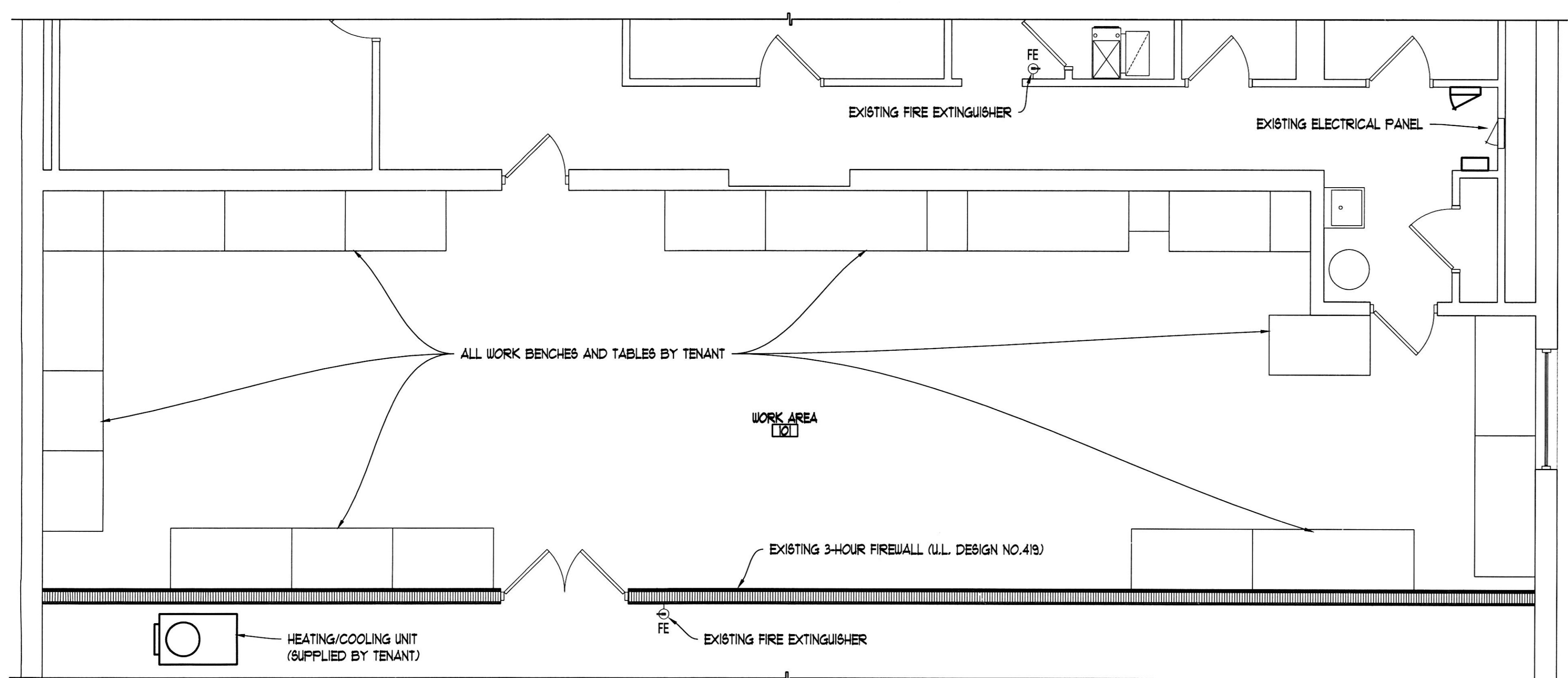
Date Signed: APRIL 9, 2018
Expiration Date: NOV. 30, 2018

1630 South Sixth Street
Springfield, Illinois 62703
Phone 217.788.7011

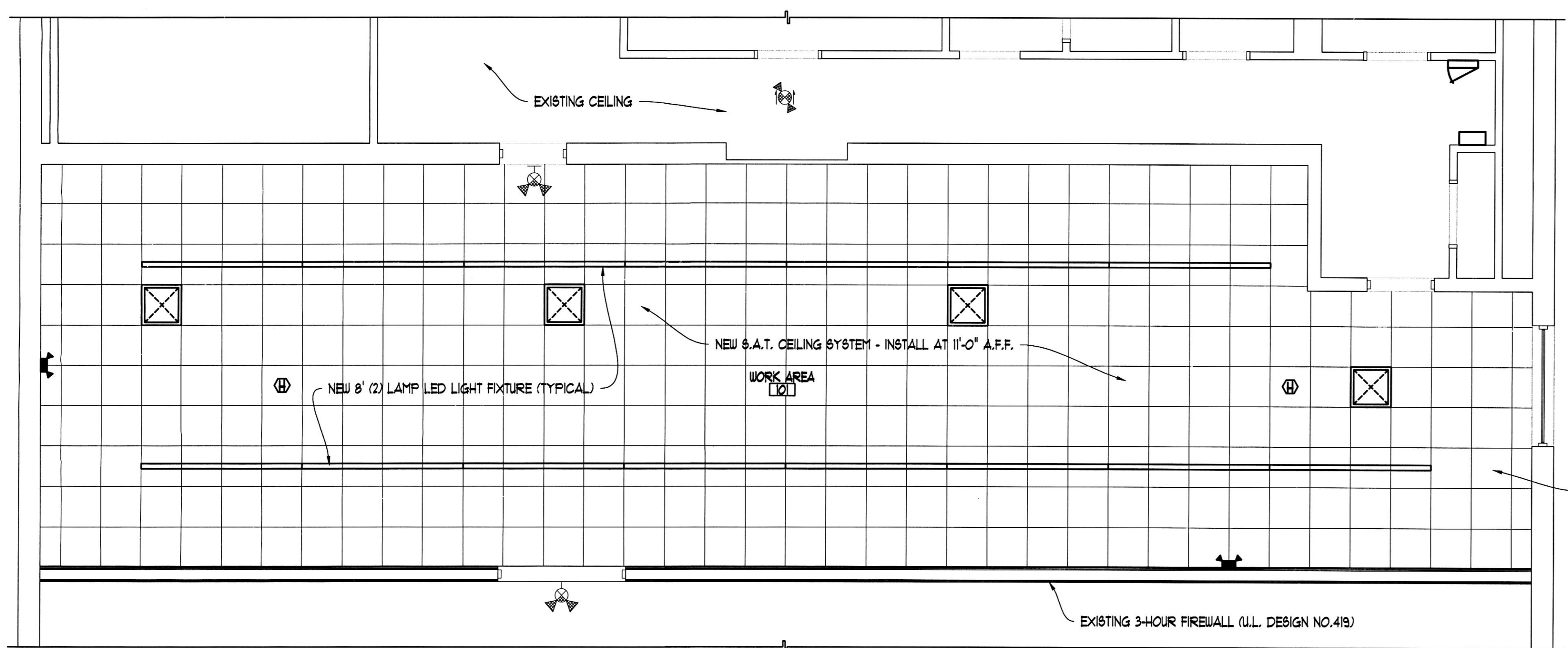


INTERIOR REMODEL
COMPUTER BANK
1545 NORTH 11TH STREET
SPRINGFIELD, ILLINOIS

Date: APRIL 9, 2018
Project No. 18-021
Drawn By: _____
Revised: _____
Revised: _____



PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"



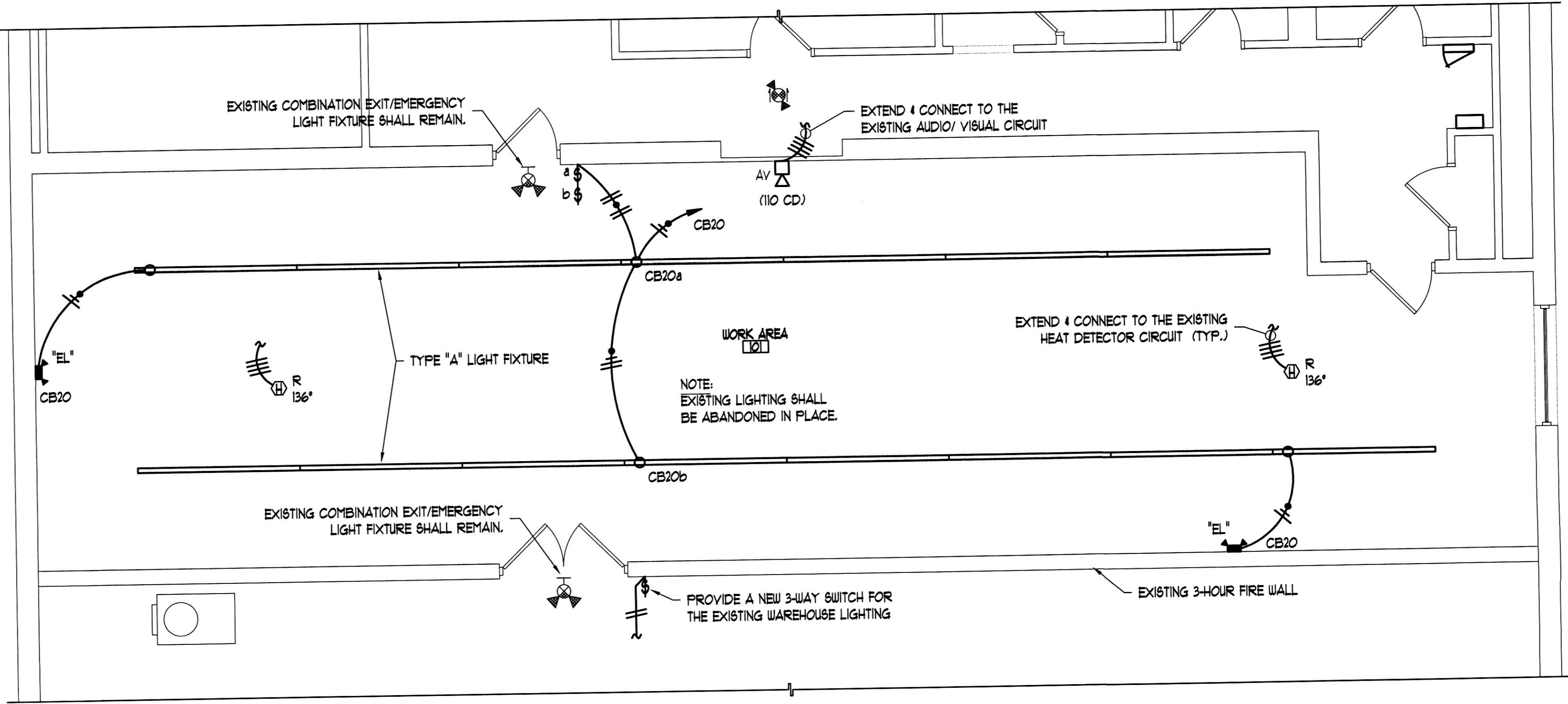
PARTIAL CEILING PLAN
SCALE: 1/4" = 1'-0"

SYMBOL LEGEND

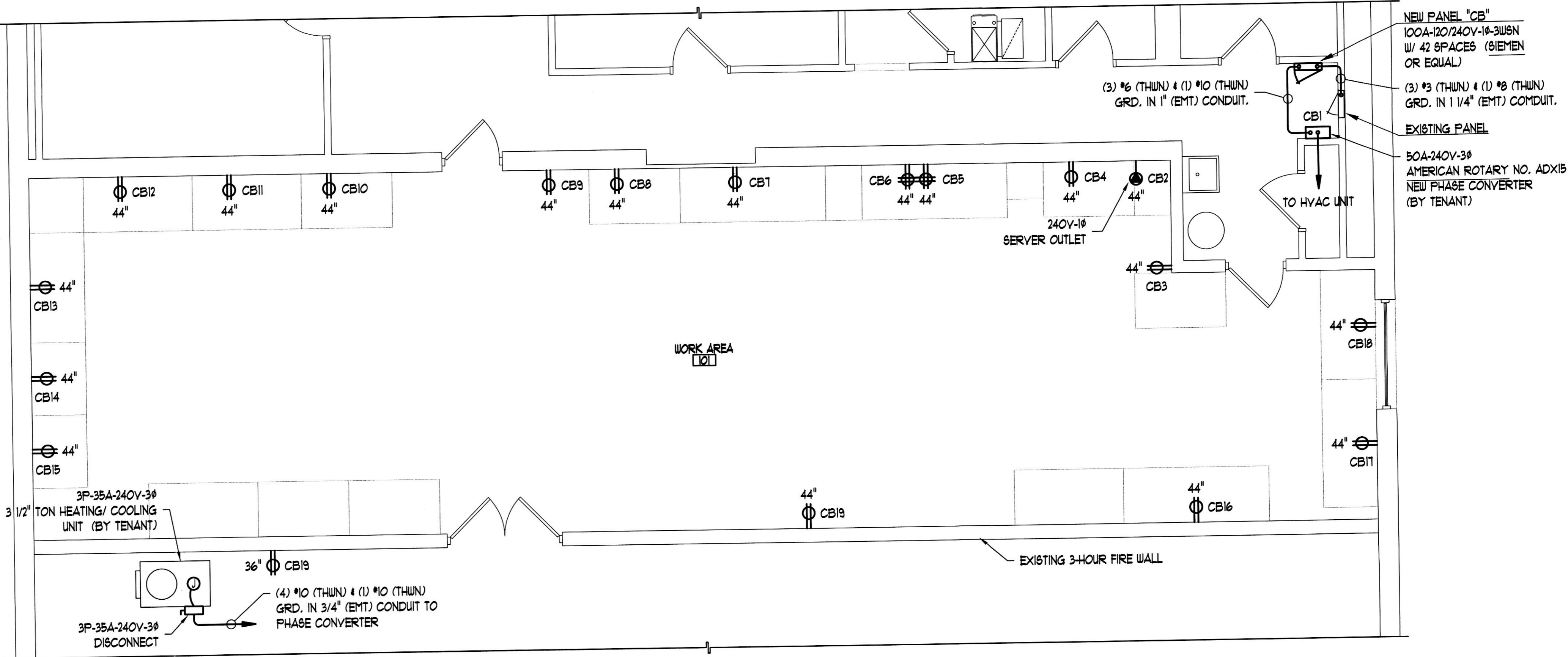
- ROOM 122 ROOM NAME AND NUMBER
- FEC SEMI-RECESSED WALL MOUNTED FIRE EXTINGUISHER CABINET (5 LB. EXTINGUISHER U.N.O.)
- FE SURFACE MOUNTED FIRE EXTINGUISHER
- SURPLY AIR DIFFUSER
- SURFACE MOUNTED FIXTURE
- EXIT / EMERGENCY SIGN (CEILING MOUNTED)
- EXIT / EMERGENCY SIGN (WALL MOUNTED)
- EMERGENCY LIGHT FIXTURE
- HEAT DETECTOR

ELECTRICAL SYMBOLS LIST

- SURFACE MOUNTED LIGHT FIXTURE (SEE SCHEDULE)
- WALL MOUNTED SELF-CONTAINED EMERGENCY LIGHT FIXTURE W/ TWIN HEADS & BATTERY PACK (SEE SCHEDULE)
- EXISTING WALL MOUNTED COMBINATION EXIT SIGN W/ TWIN HEAD EMERGENCY LIGHTS
- EXISTING CEILING MOUNTED COMBINATION EXIT SIGN W/ TWIN HEAD EMERGENCY LIGHTS & ONE-WAY DIRECTIONAL ARROW ON BOTH SIDES
- SWITCH OUTLET IN A SINGLE GANG BOX (4'-0" A.F.F. TO CENTER OF OUTLET BOX)
- LOWER CASE LETTER INDICATES SWITCH CONTROLLED CIRCUIT
- CEILING MOUNTED RATE-OF-RISE HEAT DETECTOR
- AUDIO/VISUAL FIRE ALARM DEVICE MOUNT 6'-8" A.F.F. TO TOP OF LENS, PROVIDE 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING
- THE INFORMATION IN PARENTHESES INDICATES CANDELA RATING
- DUPLEX CONVENIENCE OUTLET (1'-6" A.F.F. TO BOTTOM OF BOX, UNLESS NOTED OTHERWISE)
- QUADRUPLEX CONVENIENCE OUTLET (1'-6" A.F.F. TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED)
- SPECIAL OUTLET
- JUNCTION BOX
- FUSED DISCONNECT SWITCH
- CONDUIT EXPOSED ON CEILING OR WALL
- CONDUIT CONCEALED ABOVE CEILING OR IN WALL
- INDICATES NO. OF #12 WIRES IN 1/2" CONDUIT OR LARGER
- INDICATES CONTINUOUS COPPER GROUND WIRE IDENTIFIED BY GREEN IN COLOR
- HOME RUN TO PANEL, LETTER INDICATES PANEL LOCATION & NUMBERS INDICATE CIRCUITS
- SURFACE MOUNTED ELECTRICAL PANEL
- EXISTING RECESSED MOUNTED ELECTRICAL PANEL



LIGHTING & FIRE ALARM PLAN
SCALE: 1/4" = 1'-0"



CONVENIENCE OUTLETS & POWER PLAN
SCALE: 1/4" = 1'-0"

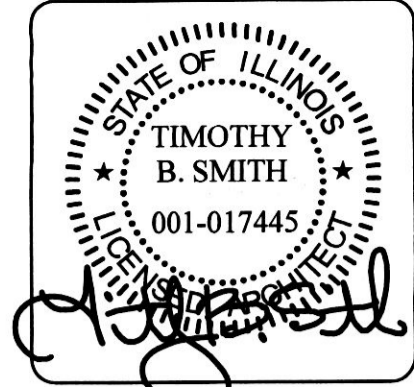
GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN REGISTERED WITH THE CITY OF SPRINGFIELD IN STRICT ACCORDANCE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, THE INTERNATIONAL ENERGY CODE AND ALL REGULATIONS, LAWS, AND ORDINANCES WHICH MAY BE APPLICABLE. SEE COVER SHEET G-1 FOR THE LATEST ADOPTED EDITIONS.
2. THE ELECTRICAL SUBCONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND MECHANICAL DRAWINGS DURING BIDDING AND CONSTRUCTION TO AVOID ANY, AND ALL CONFLICTS.
3. ALL POWER WIRE IS TO BE COPPER WITH "THUN", "THIU" OR "THIN" INSULATION. TYPE "AC", "BX", OR "NM" CABLES WILL NOT BE PERMITTED ON THIS PROJECT. ALL EXPOSED CONDUIT IS TO BE "EMT" TYPE CONDUIT WITH SET SCREWS OR COMPRESSION FITTINGS. ALL CONCEALED CONDUIT CAN BE PLASTIC FLEXIBLE CONDUIT WITH APPROVED FITTINGS AND BOXES AT CONTRACTOR'S OPTION.
4. THE ELECTRICAL SUBCONTRACTOR IS RESPONSIBLE FOR ALL HANGERS, CLIPS, MOUNTING HARDWARE, ETC.
5. THE ELECTRICAL SUBCONTRACTOR SHALL INSTALL THE ELECTRICAL CONDUITS A MINIMUM OF 6 INCHES ABOVE THE CEILING GRID. ALL LOW VOLTAGE WIRING SHALL BE INSTALLED OFF THE GRID AND ATTACHED TO THE STRUCTURE ABOVE AT 4-1/2 FEET APART.
6. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE ALL POWER AND FIRE ALARM WIRING. COORDINATE WITH RESPECTIVE CONTRACTORS FOR EQUIPMENT WIRING AND CONTROLS.
7. THE ELECTRICAL SUBCONTRACTOR SHALL INSTALL ALL SAFETY SWITCHES NOT FACTORY INSTALLED WITH EQUIPMENT, AND MAKE FINAL CONNECTIONS TO EQUIPMENT.
8. THE ELECTRICAL SUBCONTRACTOR SHALL VERIFY FINAL WALL LOCATIONS OF OUTLETS WITH THE OWNER PRIOR TO INSTALLATION.
9. ALL FACE PLATE, SWITCH AND OUTLET COLORS SHALL BE IVORY IN COLOR.
10. THE ELECTRICAL SUBCONTRACTOR SHALL COORDINATE BREAKER AND WIRING SIZING WITH EQUIPMENT PRIOR TO INSTALLING, AND IF ANY DISCREPANCIES ARE FOUND, NOTIFY THE ARCHITECT PRIOR TO EXECUTING THE WORK.
11. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE A SINGLE GANG GALVANIZED BOX FOR TELEPHONE OUTLETS WITH 3/4" EMPTY CONDUIT STUBBED ABOVE ACCESSIBLE CEILINGS.
12. ALL NEW ELECTRICAL PANELS SHALL BE SIEMENS TYPE OR APPROVED EQUAL.
13. THE ELECTRICAL SUBCONTRACTOR SHALL VERIFY VOLTAGE AND PHASE PRIOR TO ROUGH-INS.
14. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE TYPED PANEL INDEX FOR NEW PANELS, AND PROVIDE A PERMANENT LABEL ON THE OUTSIDE OF THE PANELS INDICATING PANEL DESIGNATION.
15. THE ELECTRICAL SUBCONTRACTOR SHALL USE NO. 10 WIRE FOR 20A, 120V BRANCH CIRCUIT HOME RUNS LONGER THAN 15 FEET.
16. THE ELECTRICAL SUBCONTRACTOR SHALL SEAL ALL ELECTRICAL PENETRATIONS THROUGH EXTERIOR WALLS TO MAINTAIN AN AIR AND WATER TIGHT SEAL.
17. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE FIRESTOPPING AT ALL PENETRATIONS THROUGH FIRE-RATED WALLS AND CEILINGS.
18. ALL STANDARD OUTLETS AND SWITCHES SHALL BE RATED FOR A MINIMUM OF 20A, 120V.
19. ALL TELEPHONE WIRING SHALL BE PROVIDED BY THE OWNER.
20. ALL SECURITY DEVICES, FIRE ALARM DEVICES, CABLES AND CATV CABLES SHALL BE PROVIDED BY THE OWNER.
21. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE EMPTY BOXES AND CONDUIT STUBBED ABOVE ACCESSIBLE CEILINGS, OR 10'-0" ABOVE THE FINISHED FLOOR IN EXPOSED AREAS FOR COMMUNICATION/ DATA OUTLETS. ALL COAXIAL CABLE, CONNECTION DEVICES AND FACE PLATES FOR TV'S BY OTHERS.
22. THE ELECTRICAL SUBCONTRACTOR SHALL VERIFY FINAL WALL LOCATIONS OF VOICE/ DATA OUTLETS WITH THE OWNER PRIOR TO INSTALLATION.
23. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE EMPTY BOXES & CONDUITS FOR FIRE ALARM DEVICES.
24. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE (3) SETS OF SHOP DRAWINGS: (1) SET FOR THE GENERAL CONTRACTOR, (1) SET FOR THE OWNER AND (1) SET FOR THE ARCHITECT. PROVIDE (1) OPERATION AND MAINTENANCE MANUAL FOR THE OWNER. THE OPERATION AND MAINTENANCE MANUAL SHALL INCLUDE BASIC DATA RELATING TO THE OPERATION AND MAINTENANCE OF SYSTEMS AND EQUIPMENT.
25. THE ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN CUTTING AND PATCHING. COORDINATE WITH THE GENERAL CONTRACTOR.
26. PROVIDE 11 LB. PULL STRING FOR EMPTY CONDUITS.

LIGHTING FIXTURE SCHEDULE

TYPE	NUMBER AND TYPE OF LAMPS	MANUFACTURER AND MODEL NUMBER	FIXTURE SIZE	MOUNTING		FINISH	MATERIAL	LENS TYPE	VOLTAGE	REMARKS
				CEILING MATERIAL	WALL MATERIAL					
"A"	LED-4000K	LITHONIA NO. MNSL-36L-2L-GZN-80CRI OR PRE-APPROVED EQUAL	2"x36"	SURFACE/ S.A.T.		WHITE	STEEL	ACRYLIC	MYOLT	-
"EL"	LED	LITHONIA NO. UEXLED-HO-116 OR PRE-APPROVED EQUAL	5"x14"		SURFACE/ DRYWALL	WHITE	PLASTIC	N/A	MYOLT	1, 2
REMARKS: 1. PROVIDE A BUILT-IN BATTERY PACK, MOUNT AT 10'-0" AFF 2. MOUNT BOTTOM OF FIXTURE AT 10'-0" AFF										

PANEL: NEW PANEL "CB"		OC DEVICE TYPE: BREAKER		ENCLOSURE: NEMA 1		MAINS(A): 2P-100A		BUS RATING(A): 225A				
LOCATION: EXISTING CORRIDOR		DEVICE FAMILY: BOLT-ON		MOUNTING: SURFACE		WIRING: 1 PHASE-3 WIRE		BUS WITHSTAND(A): 10,000				
FED FROM: EXISTING METER				VOLTAGE: 120/240V-1Ø				FAULT CURRENT(A): VERIFY				
SPACE	LOCATION	CCT. #	DEMAND CODE	VA	OC AMPS-P	PHASE	OC AMPS-P	VA	DEMAND CODE	CCT. #	LOCATION	SPACE
1	EXISTING CORRIDOR	1	PHASE CONVERTER	5220	50-2	A	20-2	4000	SERVER	2	WORK AREA	2
3				5220		B		4000				4
5	WORK AREA	3	CONV. OUTLET	20-1	800	A	20-1	800	CONV. OUTLET	4	WORK AREA	6
7	WORK AREA	5	CONV. OUTLET	20-1	800	B	20-1	800	CONV. OUTLET	6	WORK AREA	8
9	WORK AREA	7	CONV. OUTLET	20-1	800	A	20-1	800	CONV. OUTLET	8	WORK AREA	10
11	WORK AREA	9	CONV. OUTLET	20-1	800	B	20-1	800	CONV. OUTLET	10	WORK AREA	12
13	WORK AREA	11	CONV. OUTLET	20-1	800	A	20-1	800	CONV. OUTLET	12	WORK AREA	14
15	WORK AREA	13	CONV. OUTLET	20-1	800	B	20-1	800	CONV. OUTLET	14	WORK AREA	16
17	WORK AREA	15	CONV. OUTLET	20-1	800	A	20-1	800	CONV. OUTLET	16	WORK AREA	18
19	WORK AREA	17	CONV. OUTLET	20-1	800	B	20-1	800	CONV. OUTLET	18	WORK AREA	20
21	WORK AREA	19	CONV. OUTLET	20-1	800	A	20-1	800	SPARE	20		22
23		21	SPARE	20-1	800	B	20-1	800	SPARE	22		24
25		23	SPARE	20-1	800	A	20-1	800	SPARE	24		26
27		25	SPARE	20-1	800	B	20-1	800	SPARE	26		28
BALANCED TOTALS:												
		KVA	AMPS	PHASE TOTALS		VA						
		37,640	156.8	PHASE A 18,820		156.8						
				PHASE B 18,820		156.8						



Date Signed: APRIL 9, 2018

Expiration Date: NOV. 30, 2018

1630 South Sixth Street
Springfield, Illinois 62703
Phone 217.789.7011



INTERIOR REMODEL

COMPUTER BANK

1545 NORTH 11TH STREET
SPRINGFIELD, ILLINOIS

Date: APRIL 9, 2018

Project No. 18-021

Drawn By: TCR, BH

Revised: .

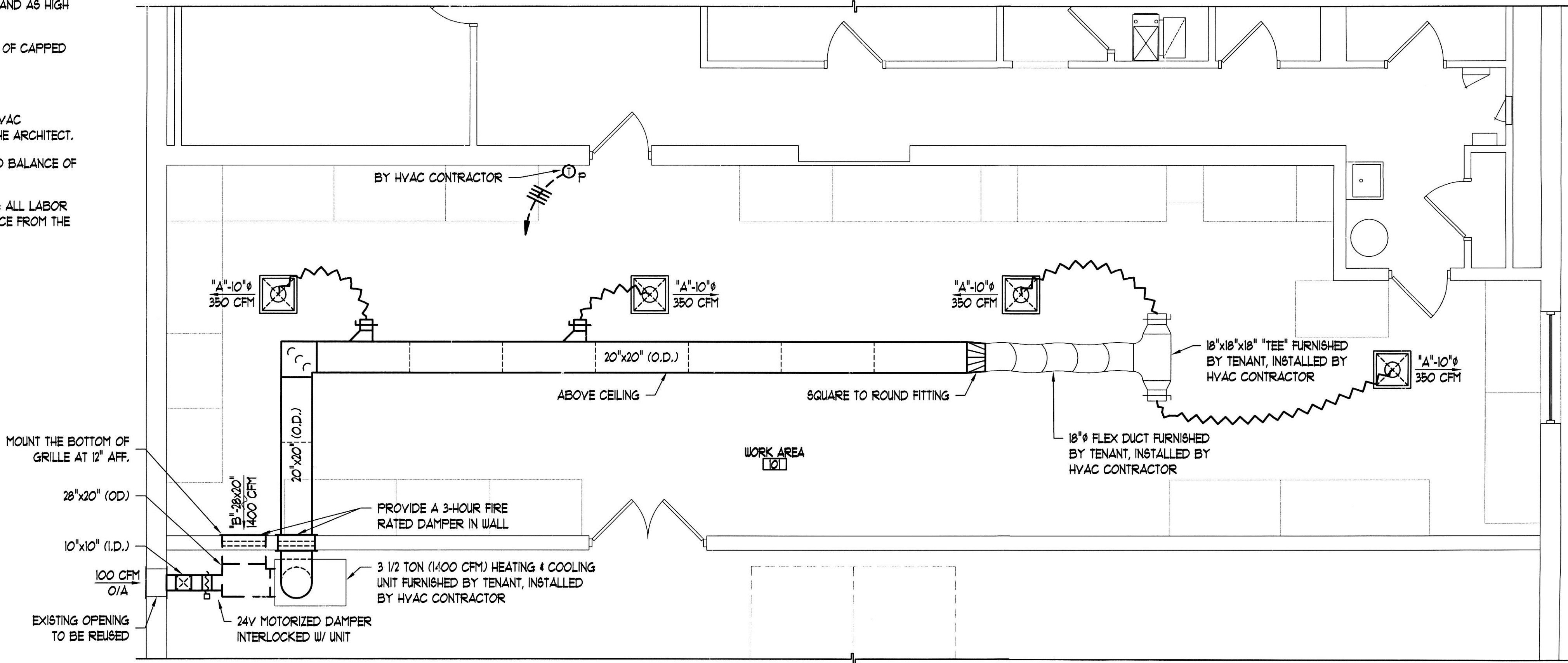
Revised: .

SHEET

DIFFUSER, REGISTER AND GRILLE SCHEDULE												
MARK	MANUFACTURER AND MODEL NUMBER	CFM	NECK SIZE	THROW PATTERN	LENGTH OF THROW	MOUNTING	FACE	MATERIAL	FINISH	USAGE	OPPOSED BLADE DAMPER	REMARKS
"A"	PRICE NO. 24X24-SCDA-B12 OR PRE-APPROVED EQUAL	SEE DWG.	SEE DWG.	4-WAY	1' TO 9'	S.A.T. CEILING	LOUVERED	STEEL	WHITE	SUPPLY	YES	1, 2, 3
"B"	PRICE NO. 530-B12 OR PRE-APPROVED EQUAL	SEE DWG.	SEE DWG.	N/A	N/A	G.B. WALL	LOUVERED	STEEL	WHITE	RETURN	NO	
REMARKS: 1. PROVIDE FULL FACE. 2. PROVIDE INSULATION ON BACK OF DIFFUSER. 3. PROVIDE AN ADJUSTABLE AIR PATTERN.												

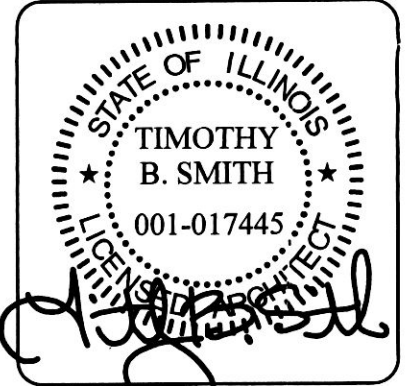
GENERAL HVAC NOTES

- ALL HVAC WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE, THE INTERNATIONAL FUEL GAS CODE, THE INTERNATIONAL ENERGY CODE AND ALL REGULATIONS, LAWS AND ORDINANCES WHICH MAY BE APPLICABLE. SEE COVER SHEET G-1 FOR THE LATEST ADOPTED EDITIONS.
- THE HVAC SUBCONTRACTOR SHALL BE REGISTERED WITH THE CITY OF SPRINGFIELD.
- THE HVAC SUBCONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN CUTTING AND PATCHING. COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
- THE GENERAL CONTRACTOR SHALL PROVIDE OPENING AND STRUCTURAL BRACING AROUND OPENINGS THRU WALLS AND ROOF. HVAC SUBCONTRACTOR SHALL COORDINATE OPENING SIZES AND LOCATIONS WITH GENERAL CONTRACTOR.
- COORDINATE ALL THE NEW PENETRATIONS WITH STRUCTURAL ELEMENTS. VERIFY WITH THE ARCHITECT PRIOR TO CUTTING OPENINGS IN STRUCTURAL MEMBERS.
- THE HVAC SUBCONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
- THE HVAC SUBCONTRACTOR SHALL FURNISH AND INSTALL 24 GAUGE GALVANIZED RIGID DUCT FOR SUPPLY, RETURN AND RESTROOM EXHAUST DUCTWORK. FLEX DUCT MAY ONLY BE USED IN RUNS OF 5'-0" OR LESS AT THE END OF THE DUCT RUN.
- THE HVAC SUBCONTRACTOR SHALL INSTALL DUCTWORK TO MEET THE FIELD CONDITIONS
- DUCT SIZES ARE SHOWN AS OUTSIDE CLEAR DIMENSIONS. ALL INTERIOR SUPPLY AND RETURN DUCTWORK SHALL HAVE A MINIMUM OF R-5 INSULATION VALUE (MINIMUM OF 1" DUCT LINER)
- ALL SUPPLY AND RETURN BRANCH DUCTWORK SIZES SHALL BE BASE ON THE NECK SIZE OF THE DIFFUSER UNLESS NOTED OTHERWISE. ALL OUTSIDE DIMENSIONS OF THE BRANCH DUCTS INCLUDE DUCT UNWRAPPED INSULATION.
- FLEXIBLE DUCT RUN OUTS TO DIFFUSERS SHALL BE INSTALLED FREE OF KINKS AND SAGS. ALL DIFFUSER RUN OUTS SHALL BE SIZED TO MATCH THE INLET OF THE DIFFUSER SERVED (UNLESS NOTED OTHERWISE). MAXIMUM DISTANCE OF 5 FEET.
- TRANSITION RECTANGULAR DUCTWORK ON THE BOTTOM AND THE SIDES. MAINTAIN DUCTWORK LEVEL AND AS HIGH AS POSSIBLE UNLESS NOTED OTHERWISE.
- ALL DUCT CHANGES FROM SQUARE TO ROUND SHALL BE SMOOTH TRANSITIONS. SPINNING AT THE END OF CAPPED DUCTS ARE NOT ACCEPTABLE.
- CEILING HEIGHTS MUST BE MAINTAINED. RUN DUCT AS HIGH AS POSSIBLE.
- THE HVAC EQUIPMENT SHALL NOT BE USED FOR CONSTRUCTION HEATING OR COOLING. IF USED THE HVAC SUBCONTRACTOR SHALL PAY THE CLEANING OF THE UNIT AND DUCTWORK TO THE SATISFACTION OF THE ARCHITECT.
- THE HVAC SUBCONTRACTOR SHALL START UP THE HVAC EQUIPMENT AND SHALL PROVIDE A TEST AND BALANCE OF THE SYSTEM.
- HVAC SUBCONTRACTOR SHALL PROVIDE OWNER WITH A WRITTEN ONE (1) YEAR GUARANTEE COVERING ALL LABOR AND MATERIALS FURNISHED AND INSTALLED AS PART OF THIS PROJECT. GUARANTEE SHALL COMMENCE FROM THE DATE OF SUBSTANTIAL COMPLETION.



HVAC SYMBOLS LIST

- 2'x2' 4-WAY SUPPLY AIR DIFFUSER (T-BAR CEILING MOUNTED) W/ ROUND DUCT CONNECTION, LOUVERED FACED
- WALL MOUNTED RETURN AIR GRILLE W/ SQUARE DUCT CONNECTION
- SUPPLY AIR DUCT DROP
-



Date Signed: APRIL 9, 2018
Expiration Date: NOV. 30, 2018



INTERIOR REMODEL
COMPUTER BANK
1545 NORTH 11TH STREET
SPRINGFIELD, ILLINOIS

Date: APRIL 9, 2018
Project No. 18-021
Drawn By: TCR , BH
Revised: ,
Revised: ,

SHEET
HV-1
OF 5 SHEETS