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NOT TO SCALE	Ge	neral Notes		
Mid-Hudson	1. A	LL WORK SHALL CONFORM TO THE BUILDING CODE OF NEW YORK STATE AND ALL OTHER APP	LICABLE COD	DES, ORDINANCES, ETC. F
trersenden Ro	2. C	ONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WIT RIOR TO SUBMITTING BIDS AND COMMENCING WORK.	TH THE EXIST	ING CONDITIONS AND SC
	3. T C	HE CONTRACTOR AND ALL SUBCONTRACTORS SHALL REVIEW DRAWINGS AND FIELD VERIFY A OMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND ADDRESS AN	LL DIMENSIO LL QUESTION	NS, CONDITIONS AND EL
LI STER	4. T	VORK. HE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS. ALL NOTES OR DIMENSION	ed informa	TION TAKES PRECEDENC
BOCES	5. IN G	I ALL CASES WHERE A CONFLICT MAY OCCUR SUCH AS BETWEEN ITEMS COVERED BY SPECIFICENERAL NOTES AND SPECIFIC DETAILS, THE ARCHITECT SHALL BE NOTIFIED AND WILL INTERP	CATIONS, NO RET THE INT	TES ON THE DRAWINGS, ENT OF THE CONTRACT I
(NP)CAMPUS	6. D	ETAILS NOTED AS "TYPICAL" (TYP.) SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL	OR NOTED C	OTHERWISE. R TO THAT INDICATED FO
Twin Star Orchards	8. C	ONSTRUCTION. ONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHAL URISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGEN O AVOID ENDANGERING PERSONNEL OR STRUCTURES.	L OBSERVE	ALL SAFETY REQUIREME ENT SHALL APPLY. CARE
New Paltz	9. T 9. T 9. R	HE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION METHODS, PROCEDURES AND HALL BE PERFORMED IN SUCH A MANNER TO PROTECT WORKMEN, OCCUPANTS AND THE PUBI ROPERTY SHALL BE PROTECTED FROM DAMAGE BY USE OF SCAFFOLDING, UNDERPINNING OR EPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM HIS OPERATIONS IN KIND OST TO THE OWNER.	JOB SITE CO LIC TO BE PR OTHER APP TO THE SATI	ONDITIONS INCLUDING SA ROTECTED FROM INJURY ROVED METHOD. THE CO SFACTION OF THE OWNE
The local de	10. T S	HE CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN, DEBRIS FREE CONDITION. THE D O AS TO PREVENT ITS SPREAD TO OCCUPIED PORTIONS OF THE BUILDING AND TO AVOID CRE/	UST RESULT ATION OF A N	ING FROM REMOVALS SH IUISANCE IN THE SURROI
Lowe's Home Improvement	11. C	ONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM THE WINER AT NO ADDITIONAL COST TO THE OWNER.	IR OPERATIC	DNS IN KIND TO THE SATI
State University of New York at New Paltz	12. T A D E	HE CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OFF SI NY EXTRA BUILDING MATERIALS SHALL BE DISPOSED OF OR TURNED OVER TO THE OWNER AS ISPOSAL OF SALVAGED OR EXCESS MATERIALS AT PROJECT COMPLETION. THE WORK AREA S XCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND THE WORK AREA SHALL BE LEFT CLE	te in an app directed. Hall be lef an to the c	PROVED MANNER UPON C THE OWNER SHALL BE C T CLEAN TO THE OWNER DWNER'S SATISFACTION.
	13. C	ONTRACTOR SHALL COORDINATE SCHEDULING OF WORK WITH THE OWNER'S REQUIREMENTS OMPLY WITH LOCAL NOISE ORDINANCES REQUIREMENTS.	AND SCHED	ULE. CONSTRUCTION AC
NOT TO SCALE	14. C	ONTRACTOR SHALL FURNISH ALL EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WOR HE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND TEMPORARY SUPPORT	RK INDICATED	D IN A SAFE AND ORDERL
		LL UTILITIES AND FUBLIC FACILITIES INCLUDING FIRE HYDRANTS, FIRE ALARM BOXES, POLICE URING DEMOLITION AND CONSTRUCTION.	CALL BOXES,	, STREET LIGHTS, MANHC
	16. I 17. T	HE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FILLING AND CLEANING U HE CONTRACTOR SHALL SUBMIT WHERE REQUIRED, SHOP DRAWINGS TO THE ARCHITECT FOR URCHASE OF THOSE ITEMS	PON COMPLE	ETION OF WORK. PRIOR TO THE START OF
	18. T	HE CONTRACTOR SHALL PROVIDE THE OWNER AND ARCHITECT WITH CERTIFICATES OF INSUR TARTING THE WORK.	ANCE, AS SP	ELLED OUT IN THE SPEC
	19. T	HE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF EXISTING STRUCTU	JRES AS NEE	DED TO COMPLETE THE
	20. A M A II II P	LL MANUFACTURER'S MATERIALS, COMPONENTS, FASTENERS, ASSEMBLIES, ETC. SHALL BE HA IANUFACTURER'S SPECIFIC INSTRUCTIONS AND RECOMMENDATIONS. WHERE BRAND NAMES A PPROVED EQUALS WHICH MEET APPLICABLE STANDARDS AND SPECIFICATIONS MAY BE SUBS' ND THE OWNER. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED DENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE C RECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH C NIALITY	ANDLED AND AND MANUFA TITUTED WIT IT SHALL BE DF QUALITY E AN BE SHOW	INSTALLED IN ACCORDA CTURED PRODUCTS ARE H WRITTEN PERMISSION CLEARLY UNDERSTOOD DESIRED. SUCH IDENTIFIC /N IN ADVANCE TO BE OF
	21. A	LL CHANGES SHALL BE REQUESTED IN WRITING AND MAY ONLY BE APPROVED IN WRITING BY EING MADE.	THE ARCHITE	ECT AND THE OWNER PRI
	22. T U R	HE ARCHITECT AND THE OWNER HAVE THE RIGHT TO REJECT ANY PORTION OF WORK THAT IS NAUTHORIZED OR WORK DONE CONTRARY TO THE THE INTENT OF THE CONTRACT DOCUMEN EMOVED AT THE CONTRACTOR'S EXPENSE.	POORLY INS TS. SUCH WO	TALLED, DOES NOT MEE ORK SHALL BE REPLACED
	23. T A	HE CONTRACTOR SHALL GUARANTEE ALL OF THEIR WORK AND THE WORK OF THEIR SUBCONT CCEPTANCE AND DO ALL REPAIR WORK AND REPLACEMENT AS NECESSARY DURING THAT PE	RACTORS FOR	OR A PERIOD ONE YEAR A
	24. IN 25. T	NO EVENT SHALL STRUCTURAL MEMBERS BE CUT OR DRILLED WITHOUT THE WRITTEN APPRO	OVAL OF A LI	CENSED STRUCTURAL EN
		HALL BE EXECUTED IN SUCH A MANNER THAT HAZARD FROM FIRE, POSSIBILITY OF INJURY, DA	NGER TO HE	
	26. T D G	THE ARGITTED TWAIVES ANT AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH AN ESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS AS WELL AS FA SUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CO	NISE FROM F ILURE TO OE ONFLICTS WH	AILORE TO FOLLOW THE BTAIN AND/OR FOLLOW TI HICH ARE ALLEGED.
	27. C	OLOR, FINISHING & TEXTURE OF ALL FINISH MATERIALS, WHERE NOT INDICATED ON THE DRAW	VINGS, SHAL NEW YORK S	L BE SELECTED BY OWN
A DECK MALL AND A DECK MALL AN	29 C	ATIONAL ELECTRIC CODE, AND NFPA 70.	_ CARRY I IAF	

AGAINST ACCIDENTS OF ALL KINDS AND SHALL FURNISH OWNER WITH CERTIFICATE OF INSURANCE.



<sup>30.</sup> ALL WORK IN THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS EXISTING.

ode Analysis			Design Building
Existing Building Code of New York State ter 5 Prescriptive Compliance Method	1101.2 Creation or Extension of Nonconformity An addition shall not create or extend ay nonconformity in the existing building to which the addition is being made with regard to accessibility, structural strength, fire safety, means of egress, or the capacity of mechanical, plumbing, or electrical systems.	Section 718 Concealed Spaces	2020 BUILDING CODE OF NEW YOR     2020 EXISTING BUILDING CODE OF     2020 BUILMBING CODE OF NEW YOF
action 503 Alteration	1101.3 Other Work Any repair or alteration work within an existing building to which an addition is being made shall comply with the applicable requirements for the work as	Fireblocking and draftstopping shall be installed in combustible concealed locations in accordance with this section. Fireblocking shall comply with Section 718.2. Draftstopping in floor/ceiling spaces and attic spaces shall comply with Sections 718.3 and 718.4, respectively. The permitted use of combustible	<ul> <li>2020 PLOMBING CODE OF NEW YOF</li> <li>2020 MECHANICAL CODE OF NEW Y</li> <li>2020 ENERGY CONSERVATION COE</li> </ul>
503.1 General Except as provided by Section 302.4, 302.5 or this section, alterations to any building or structure shall comply with the requirements of the Building Code of New York State for new construction. Alterations shall be such that the existing building or structure is not less complying with the provisions of the	classified in Chapter 6.	materials in concealed spaces of buildings of Type I or II construction shall be limited to the applications indicated ins Section 718.5.	1998 NYSED MANUAL OF PLANNING     NATIONAL ELECTRIC CODE (NEC)
Building Code of New York State than the existing building or structure was prior to the alteration.	1102.1 Height Limitations	Section 802 General	NATIONAL FIRE PROTECTION ASSC ICC/ANSI A117.1 - 2009 AMERICAN N
ier 6 Classification of Work	An addition shall not increase the height of an existing building beyond that permitted under the applicable provision of Chapter 5 of the Building Code of New York State Chapter 5 Section 504 for MHRIC Building) New York State for new buildings (See 2022 Building Code of New York State Chapter 5 Section 504 for MHRIC Building)	802.1 Interior Wall and Ceiling Finish The provisions of Castian 202 shall limit the ellowable firs performance and amake development of interior well and esiling finish materials based on	
603.1 Scope Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system,	1102.2 Area Limitations An addition shall not increase the area of an existing building beyond that permitted under the applicable provisions of Chapter 5 of the Building Code of New York State for new buildings unless fire separation as required by the Building Code of New York State is provided. <b>(See 2022 Building Code of</b>	occupancy classification.	Uniform Safet
or the installation of any additional equipment.	New York State Chapter 5 Section 506 for MHRIC Building)	802.2 Interior Floor Finish The provisions of Section 804 shall limit the allowable fire performance of interior floor finish materials based on occupancy classification.	
Level 2 alterations shall comply with the provisions of Chapter 7 for Level 1 alterations as well as the provisions of Chapter 8.	Existing fire areas increased by the addition shall comply with Chapter 9 of the Building Code of New York State.	802.3 Decorative Materials and Trim Decorative materials and trim shall be restricted by combustibility, fire performance or flame propagation performance criteria in accordance with Section	REFER TO SPECIFICATION SECTION 01000
tion 701 General	1107.1 Minimum Requirements	806.	AND MAINTENANCE PROJECTS PER PART OF THE COMMISSIONER OF EDUCATION.
701.1 Scope Level 1 alterations as described in Section 602 shall comply with the requirements of this chapter. Level 1 alterations to historic buildings shall comply with	Code of New York State as they relate to new construction.	Table 803.13 Interior Wall and Ceiling Finish Requirements by Occupancy	
his chapter, except as modified in Chapter 12. 701.2 Conformance	2020 Building Code of New York State	ADMIN Building / MHRIC Building (Non-Sprinklered)       Garage (Non-Sprinklered)         Occupancy: Group B       Occupancy: Group S-1         Interior exit stainways and ramps and exit passageways: A       Interior exit stainways and exit passageways: A	
An existing building or portion thereof shall not be altered such that the building becomes less safe than its existing condition.	Chapter 3 Use and Occupancy Classification	Corridors and enclosed spaces: C C Corridors and enclosed spaces: C C Corridors and enclosed spaces: C C C C C C C C C C C C C C C C C C C	
02.1 Interior Finishes lewly installed interior wall and ceiling finishes shall comply with Chapter 8 of the Building of New York State	Section 304 Business Group B Section 311 Storage Group S 311.2 Moderate-Hazard Storage, Group S-1	Section 808 Acoustical Ceiling Systems	
102.2 Interior Floor Finish	Chapter 5 General Building Heights and Areas	808.1 Acoustical Ceiling Systems The quality, design, fabrication and erection of metal suspension systems for acoustical tile and lay-in panel ceilings in buildings or structures shall conform	
lew interior floor finish, including new carpeting used as an interior floor finish material, shall comply with Section 804 of the Building Code of New York State.	Section 504 Building Height and Number of Stories	to generally accepted engineering practice, the provisions of this chapter and other applicable requirements of this code.	
702.3 Interior Trim Newly installed interior trim materials shall comply with Section 806 of the Building Code of New York State.	504.3 Height in Feet The maximum height, in feet, of a building shall not exceed the limits specified in Table 504.3.	808.1.1 Materials and Installation Acoustical materials complying with the interior finish requirements of Section 803 shall be installed in accordance with the manufacturer's recommendations and applicable provisions for applying interior finish.	
702.6 Materials and Methods New work shall comply with the materials and methods requirements in the Building Code of New York State, Energy Conservation Construction Code of New York State, Mechanical Code of New York State, and Plumbing Code of New York State, and applicable, that applicable, the state of th	ADMIN Building MHRIC Building Garage	808.1.1.1 Suspended Acoustical Ceilings	
istallation and connection, joints, penetrations, and continuity of any element, component, or system in the building.	Occupancy Glassification: B       Occupancy Classification: B       Occupancy Classification: S-1         Construction Type: IIB (Non-Sprinklered)       Construction Type: VB (Non-Sprinklered)       Construction Type: IIB (Non-Sprinklered)         Allowable Height / Stories: 55' / Three-Story       Allowable Height / Stories: 40' / Two-Story       Allowable Height / Stories: 55' / Two Story	Suspended acoustical ceiling systems shall be installed in accordance with the provisions of ASTM C635 and ASTM C636	
וסה ריט - ודפ Protection 03.1 General	Existing Height / Stories: +/- 25' / One-Story (No Change)       Existing Height / Stories: +/- 28' / Two-Story (No Change)       Existing Height / Stories: +/- 20' / One-Story (No Change)	Acoustical ceiling systems that are part of the fire-resistance-rated construction shall be installed in the same manner used in the assembly tested and shall comply with the provisions of Chapter 7.	
Nterations shall be done in a manner that maintains the level of fire protection provided.	Section 506 Building Area	Chapter 9 Fire Protection and Life Safety	
04.1 General Iterations shall be done in a manner that maintains the level of protection provided for the means of access	506.1 General The floor area of a building shall be determined based on the type of construction, occupancy classification, whether there is an automatic sprinkler system	Section 903 Automatic Sprinkler Systems	
itor 706 Structural	installed throughout the building and the amount of building frontage on the public way.	903.2 Where Required Approved automatic sprinkler systems in new buildings and structure shall be provided in the locations described in Section s 903.2.1 through 903.2.12.	
06.1 General /here alteration work includes replacement of equipment that is supported by the building or where a reroofing permit is required, the provisions of this	505.2 Allowable Area Determination The allowable area of a building shall be determined in accordance with the applicable provisions of Sections 506.2.1 through 506.2.4 and Section 506.3.	903.2.9 Group S-1 An automatic sprinkler system shall be provided throughout all buildings containing a Group S-1 occupancy where one of the following conditions	
ection shall apply.	Table 506.2 Allowable Area Factor	exist: 1. Group S-1 fire area exceeds 12,000 square feet.	
in the second seco	ADMIN Building         MHRIC Building         Garage           Occupancy Classification: B         Occupancy Classification: B         Occupancy Classification: S-1           Construction Type: UP (New Sprinklered)         Construction Type: UP (New Sprinklered)         Occupancy Classification: S-1	<ol> <li>Group S-1 fire area is located more than three stories above grade plane.</li> <li>The combined area of all Group S-1 fire areas on all floors, including any mezzanines, exceeds 24,000 square feet.</li> <li>Group S-1 fire area used for the storage of commercial meteory biology with a storage of commercial meteory biology with a storage of commercial meteory biology with a storage of commercial meteory biology.</li> </ol>	
r 8 Alterations - Level 2	Construction Type: IIB (Non-Sprinklered)Construction Type: VB (Non-Sprinklered)Construction Type: IIB (Non-Sprinklered)Allowable Area per Floor: 23,000 SFAllowable Area per Floor: 9,000 SFAllowable Area per Floor: 17,500 SFExisting Area: 12,217 SFExisting Area (1st Floor): 6,229 SFExisting Area: 3.000	<ul> <li>4. Group S-1 life area used for the storage of commercial motor vehicles where the fire area exceeds 5,000 square feet.</li> <li>5. Group S-1 occupancy used for the storage of upholstered furniture or mattresses exceeds 2,500 square feet.</li> </ul>	
tion 801 General	Addition:91 SFExisting Area (2nd Floor): 4,880( No Change )Total:12,308 SF( No Change )	Chapter 10 Means of Egress SEE EGRESS PLANS FOR ADDITIONAL CODE ANALYSIS OF THIS CHAPTER	
01.1 Scope evel 2 alterations as described in Section 603 shall comply with the requirements of this chapter	Section 508 Mixed Use and Occupancy	Section 1020 Corridors	
01.2 Alteration Level 1 Compliance n addition to the requirements of this chapter, all work shall comply with the requirements of Chapter 7.	508.4 Separated Occupancies Buildings or portions of buildings that comply with the provisions of this section shall be considered as separated occupancies.	1006.2.1 Egress Based on Occupant Load and Common Path of Egress Travel Distance Two exits or exit access doorways from any space shall be provided where the design occupant load or the common path of egress travel distance	
ion 802 Building Elements and Materials	Table 508.4 Required Separation of Occupancies	exceeds the value listed in Table 1006.2.1. B Occupancy, 49 Maximum Occupant Load, 75' Maximum Common Path of Egress Travel Distance	
02.2.1 Existing Vertical Openings Existing interior vertical openings connecting two or more floors shall be enclosed with approved assemblies having a fire-resistance rating of not less than hour with approved opening protectives.	ADMIN / MHRIC : B Occupancy / B Occupancy : No separation requirement MHRIC / Garage : B Occupancy / S-1 Occupancy : No separation requirement	<u>אוזעש טואמוווש</u> : ו באו requirea per Lable 1006.2.1 1020.1 Construction	
102.4 Interior Finish	Chapter 6 Types of Construction	Corridors shall be fire-resistance rated in accordance with Table 1020.1. The corridor walls required to be fire-resistance rated shall comply with Section 708 for fire partitions.	
102.5 Guards	Table 601 Fire-resistance Rating Requirements for Building Elements (Hours)           ADMIN Building / Garage         MHRIC           Tume of Construction:         Tume of Construction:	Exceptions: A fire-resistance rating is not required for corridors in an occupancy in Group B that is a space requiring only a single means of egress complying with Section 1006.2.  MHRIC Building: 0 hour	
802.5.1 Minimum Requirement Every portion of a floor, such as a balcony or a loading dock, that is more than 30 inches above the floor or grade below and is not provided with	Type of construction. IBType of Construction: VBPrimary structural frame: 0Primary structural frame: 0Bearing walls (Exterior): 0Bearing walls (Exterior): 0	Table 1020.1 Corridor fire-resistance rating	
guards, or those in which the existing guards are judged to be in danger of collapsing, shall be provided with guards.	Bearing walls (Interior): 0       Bearing walls (Interior): 0         Nonbearing walls and partitions (Exterior): Per Table 602       Nonbearing walls and partitions (Exterior): Per Table 602	ADMIN Building     Garage       Occupancy Group: B     Occupant Load served by corridor: Greater than 30	
303.1 Scope	ADMINGarageMHRICGroup BGroup S-1Group BX < 5': 1	Without sprinkler system: 1 hour     Without sprinkler system: 1 hour	
hroughout the floor on which the work areas are located or otherwise beyond the work area.	$X \le 0$ : $X \le 0$ : $X \le 0$ : $5' \le X < 10'$ :       1 $5' \le X < 10'$ :       1 $10' \le X < 30'$ :       0 $10' \le X < 30'$ :       0	1020.2 Width and Capacity The required capacity of corridors shall be determined as specified in Section 1005.1, but the minimum width shall be not less than that specified in Table 1020.2	
803.1.1 Corridor Ratings Where an approved automatic sprinkler system is installed throughout the story, the required fire-resistance rating for any corridor located on the story shall be permitted to be reduced in accordance with the Building Code of New York State. In order to be considered for a corridor rating reduction, such	$X \ge 30': 0$ $X \ge 30': 0$ $X \ge 30': 0$ Nonbearing walls and partitions (Interior): 0Nonbearing walls and partitions (Interior): 0	Table 1020.2	
system shall provide coverage for the stairway landings serving the floor and the intermediate landings immediately below.	Floor construction and associated secondary members: 0Floor construction and associated secondary members: 0Roof construction and associated secondary members: 0Roof construction and associated secondary members: 0	Any facility not listed in this table: 44 Access to and utilization of mechanical,	
Automatic sprinkler system Automatic sprinkler system accordance with the requirements of Sections 803.2.1 through 803.2.4. Installation requirements shall be n accordance with the requirements of Sections 803.2.1 through 803.2.4. Installation requirements shall be n accordance with the Building Code of New York State	Chapter 7 Fire and Smoke Protection Features	plumbing or electric systems or equipment:24With an occupant load of less than 50:36	
[NY] 803.2.2 Groups A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 and S-2 In buildings with occupancies in Groups A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 and S-2 work areas that have exits or corridors shared by more than	Section 703 Fire-Resistance Ratings and Fire Tests	Chapter 33 Safeguards During Construction	
one tenant or that have exits or corridors serving an occupant load greater than 30 shall be provided with automatic sprinkler protection where both of the following conditions occur:	703.2 Fire-Resistance Ratings The fire-resistance rating of building elements, components or assemblies shall be determined in accordance with the test procedures set forth in ASTM E119 or UL 263 or in accordance with Section 703.3. The fire-resistance rating of penetrations and fire resistance is interactions and fire resistance is a determined in	Section 3302 Construction Safeguards	
1. The work area is required to be provided with automatic sprinkler protection in accordance with the Building Code of New York State as applicable to new construction.	accordance Sections 714 and 715, respectively.	3302.1 Alterations, Repairs and Additions Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or	
2. The work area exceeds 50 percent of the floor area.	703.6 Fire-Resistance-Rated Glazing Fire-resistance-rated glazing, when tested in accordance with ASTM E119 or UL 263 and complying with the requirements of Section 707, shall be permitted. Fire-resistance rated glazing shall bear a label marked in accordance with Table 746 4(4) issued by an experiment of Section 707, shall be	auditions to any building or structure. Exceptions: 1. Where such required elements or devices are being altered or repaired, adequate substitute provisions shall be made	
303.4 Fire Alarm and Detection An approved fire alarm system shall be installed in accordance with Sections 803.4.1 through 803.4.3. Where automatic sprinkler protection is provided in An experiment with Section 803.2 and is connected to the building fire alarm sustem sustematic heat detection the line the line to the section of the s	permined. The resistance rated grazing shall be at a laber marked in accordance with Table 7 to. I(1) issued by an agency and shall be permanently identified on the glazing.	2. Maintenance of such elements and devices is not required when the existing building is not occupied.	
n approved automatic fire detection system shall be installed ain accordance with the provisions of this code and NFPA 72. Devices, combinations of	Section 706 Fire Walls	3302.2 Manner of Removal Waste materials shall be removed in a manner that prevents injury or damage to persons, adjoining properties and public rights-of-way.	
levices, appliances, and equipment shall be approved. The automatic fire detectors shall be smoke detectors, except that an approved alternative type of letector shall be installed in spaces such as boiler rooms, where products of combustion are present during normal operation in sufficient quantity to actuate a smoke detector.	706.1 General Fire walls shall be constructed in accordance with Sections 706.2 through 706.11. The extent and location of such fire walls shall provide a complete separation, where a fire wall separates occupancies that are required to be separated by a fire barrier wall, the most restrictive requirements of each	3302.3 Fire Safety During Construction Fire safety during construction shall comply with the applicable requirements of this code and the applicable provisions of Chapter 33 of the Fire Code of	
803.4.1 Occupancy Requirements A fire alarm system shall be installed in accordance with Sections 803.4.4.4 through 803.4.4.0. Evicting alarm system shall be installed in accordance with Sections 803.4.4.4 through 803.4.4.0.	separation shall apply.	New York State.	
automatically activated throughout the building. Where the building is not equipped with a fire alarm system, alarm-notification appliances within the work area shall be provided and automatically activated.	Section 707 Fire Barriers	Section 3309 Fire Extinguishers 3309.1 Where required	
Exceptions: 1. Occupancies with an existing, previously approved fire alarm system. 2. Where selective notification is permitted, alarm-notification appliances shall be automatically activated in the areas selected.	Fire barriers installed as required elsewhere in this code or the Fire Code of New York State shall comply with this sections.	Structures under construction, alteration or demolition shall be provided with not fewer than one approved portable fire extinguisher in accordance with Section 906 and sized for not less than ordinary hazard as follows:	
tion 804 Carbon Monoxide Detection	Section 708 Fire Partitions	<ol> <li>At each stainway on all floor levels where combustible materials have accumulated.</li> <li>In every storage and construction shed.</li> <li>Additional portable fire evinencial by provided where special becaute with a start with a start special becaute wit</li></ol>	
NY] 804.1 Carbon Monoxide Detection and Notification Carbon monoxide detection and notification shall be provided in accordance with Sections 503.15 through 503.15.1 for buildings that undergo an	vus.i General Wall assemblies for corridor walls as required by Section 1020.1 shall comply with this section.	o. Auditional portable fire extinguistiers shall be provided where special nazards exist, such as the storage and use of flammable and combustible liquids.	
ion 806 Structural	Section 714 Penetrations		
06.1 General Structural elements and systems within buildings undergoing Level 2 alterations shall comply with this section	714.1 Scope The provisions of this section shall govern the materials and methods of construction used to protect through penetrations and membrane penetrations of horizontal assemblies and fire-resistance-rated wall assemblies		
306.2 Existing Structural Elements Carrying Gravity Loads	714.4 Fire-Resistance-Rated Walls		
effects, of more than 5 percent shall be replaced or altered as needed to carry the gravity loads required by the Building Code of New York State for new structures. Any existing gravity load-carrying structural element whose gravity load-carrying capacity is decreased as part of the alteration shall be shown	Penetrations into or through fire walls, fire barriers, smoke barrier walls and fire partitions shall comply with Sections 714.4.1 through 714.4.3. Penetrations in smoke barrier walls shall also comply with Section 714.5.4.		
o have the capacity to resist the applicable design dead, live and snow loads, including snow drift effects, required by the Building Code of New York State or new structures.	714.5 Horizontal Assemblies Penetrations of a fire-resistance-rated floor, floor/ceiling assembly or the ceiling membrane of a roof/ceiling assembly not required to be enclosed in a shaft		
tion 810 Energy Conservation	by Section 712.1 shall be protected in accordance with Sections 714.5.1 through 714.5.4.		
Level 2 alterations to existing buildings or structures are permitted without requiring the entire building or structure to comply with the energy requirements of the Energy Conservation Code of New York State or Residential Code of New York State. The alterations shall conform to the energy requirements of	Section 716 Opening Protectives		
he Energy Conservation Construction Code of New York State or Residential Code of New York State as they relate to new construction only.	Opening protectives required by other sections of this code shall comply with the provisions of this section and shall be installed in accordance with NFPA 80.		
stion 1101 General	Section 717 Ducts and Air Transfer Openings		
1101.1 Scope	717.1. General		
An addition to a building or structure shall comply with the Uniform Code as adopted for new construction without requiring the existing building or structure	The provisions of this section shall govern the protection of duct penetrations and air transfer energings in according to the section shall govern the protection of duct penetrations and air transfer energings in according to the section shall govern the protection of duct penetrations and air transfer energings in according to the section shall govern the protection of duct penetrations and air transfer energings in according to the section shall govern the protection of duct penetrations and air transfer energings in according to the section shall govern the protection of duct penetrations and air transfer energings in according to the section of the sect		

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	Desian Buildina Codes	NY Certificate of AuthorizationEng'r. Nos.0018867Date2/3/23
	2020 BUILDING CODE OF NEW YORK STATE (ADOPTS THE IBC 2018 WITH AMENDMENTS)	Checked VP Drawn CC
ncealed locations in accordance with this section. Fireblocking shall comply with Section comply with Sections 718.3 and 718.4, respectively. The permitted use of combustible ion shall be limited to the applications indicated ins Section 718.5.	<ul> <li>2020 EXISTING BUILDING CODE OF NEW YORK STATE (ADOPTS THE IEBC 2018 WITH AMENDMENTS)</li> <li>2020 PLUMBING CODE OF NEW YORK STATE (ADOPTS THE IPC 2018 WITH AMENDMENTS)</li> <li>2020 MECHANICAL CODE OF NEW YORK STATE (ADOPTS THE IMC 2018 WITH AMENDMENTS)</li> <li>2020 ENERGY CONSERVATION CODE OF NEW YORK STATE (ADOPTS THE IECC 2018 WITH AMENDMENTS)</li> <li>1998 NYSED MANUAL OF PLANNING STANDARDS</li> <li>NATIONAL ELECTRIC CODE (NEC)</li> <li>NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)</li> <li>ICC/ANSI A117.1 - 2009 AMERICAN NATIONAL STANDARD</li> </ul>	20-1   EXP. 06/30/24
ance and smoke development of interior wall and ceiling finish materials based on ance of interior floor finish materials based on occupancy classification.	Uniform Safety Standards	<b>(Y, R.A</b> License No. 0302
fire performance or flame propagation performance criteria in accordance with Section	REFER TO SPECIFICATION SECTION 010000 GENERAL REQUIREMENTS FOR UNIFORM SAFETY STANDARDS FOR SCHOOL CONSTRUCTION AND MAINTENANCE PROJECTS PER PART 155.5 OF THE REGULATIONS OF THE COMMISSIONER OF EDUCATION.	/EVSM
cupancy Garage (Non-Sprinklered) Occupancy: Group S-1 Interior exit stairways and ramps and exit passageways: B S: B Corridors and enclosure for exit access stairways and ramps: B Rooms and enclosed spaces: C		AD POTIN GISTERED ARCHITECT
systems for acoustical tile and lay-in panel ceilings in buildings or structures shall conform hapter and other applicable requirements of this code.		
s of Section 803 shall be installed in accordance with the manufacturer's nish.		<u>Revisions:</u>
ance with the provisions of ASTM C635 and ASTM C636 I construction shall be installed in the same manner used in the assembly tested and		
ure shall be provided in the locations described in Section s 903.2.1 through 903.2.12.		
all buildings containing a Group S-1 occupancy where one of the following conditions		
s, including any mezzanines, exceeds 24,000 square feet. notor vehicles where the fire area exceeds 5,000 square feet. d furniture or mattresses exceeds 2,500 square feet.		
CHAPTER		UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS
Egress Travel Distance ed where the design occupant load or the common path of egress travel distance Common Path of Egress Travel Distance		A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. THESE DOCUMENTS REMAIN THE EXCLUSIVE PROPERTY OF THE ENGINEER, AND MAY NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
020.1. The corridor walls required to be fire-resistance rated shall comply with Section ors in an occupancy in Group B that is a space requiring only a single means of egress		-0351
<u>Garage</u> Occupancy Group: S-1 Occupant Load served by corridor: Greater than 30 Without sprinkler system: 1 hour		0 f. 845-61
d in Section 1005.1, but the minimum width shall be not less than that specified in Table		1g, LLP 5-615-035(
		gineerir Inning, chitectu rveying 24 📘 t. 84
		Enç Arc Sul
and sanitary safeguards shall be maintained at all times during alterations, repairs or	S	TES shen, New
g altered or repaired, adequate substitute provisions shall be made. required when the existing building is not occupied.	AMP	OCIA Street, Go
/ or damage to persons, adjoining properties and public rights-of-way. guirements of this code and the applicable provisions of Chapter 33 of the Fire Code of	C 12	ASS ain 5
	PAL 116	
vided with not fewer than one approved portable fire extinguisher in accordance with follows: naterials have accumulated.	VEW 203-0	$\mathbf{x}$
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	00-00-0 BGLDG	E STU L PROJI SOUNTY LTZ CAI JNTY, N
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ELOOR 104.5. GROSS NET NET GROSS GROSS GROSS GROSS GROSS NET GROSS SGROSS NET COAD ALLED	MEANS OF EGRESS SIZING         SECTION 1005         1005.3 REQUIRED CAPACITY BASED ON OCCUPANT LOAD         1005.3.1 STAIRWAYS         CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY         SUCH STAIRWAYS BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.3         INCH PER OCCUPANT.         1005.3.2 OTHER EGRESS COMPONENTS         MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE         CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY         EACH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2         INCH PER OCCUPANT.         NUMBER OF EXITS AND EXIT ACCESS DOORWAYS         SECTION 1006         1006.2.1 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF         EGRESS TRAVEL DISTANCE.         TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE         PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON         PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN         TABLE 1006.2.1         "B" OCCUPANCY:         49 MAX OCCUPANT LOAD         75' MAX COMMON PATH FOR OCCUPANT LOAD < 30	EXIT ACCESS         SECTION 1016         1016.2 EGRESS THROUGH INTERVENING SPACE         EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH         ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE         SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE         ACCESSORY TO ONE OR THE OTHER.         EGRESS SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS,         CLOSETS OR SPACES USED FOR SIMILAR PURPOSES.         EXIT ACCESS TRAVEL DISTANCE         SECTION 1017         "B" AND "S-1" OCCUPANCIES:         NOT TO EXCEED 200 FEET WITHOUT SPRINKLER SYSTEM         CORRIDORS         SECTION 1020         1020.1 CORRIDOR FIRE-RESISTANCE RATING:         "B" OCCUPANCY SERVING OCCUPANT LOAD GREATER THAN 30         1 HOUR WITHOUT A SPRINKLER SYSTEM         "S" OCCUPANCY SERVING AN OCCUPANT LOAD GREATER THAN 30         1 HOUR WITHOUT SPRINKLER SYSTEM         "020.2 MINIMUM CORRIDOR WIDTH         MINIMUM CORRIDOR WIDTH UNLESS OTHERWISE NOTED:       44"         ACCESS TO / UTILIZATION OF MEP SYSTEMS OR EQUIPMENT: 24"         WITH AN OCCUPANT LOAD OF LESS THAN 50:       36"         1020.4 DEAD ENDS         MAX DEAD END CORRIDOR LENGTH = 20' WITHOUT A SPRINKLER         SYSTEM IN "B" AND "S" OCCUPANCIES         DEAD END CORRIDOR SHALL NOT BE LIMITED IN LENGTH WHERE	VLAD POTIYEVSKY, R.A.	Title KEGISIEKED AKCHIIECI License No. 030220–1   EXP. 06/30/24

### Egress Legend

### SYMBOL DESCRIPTION HALL NOTE '98' 8'-2" CLEAR OPENING TRAVEL DISTANCE (T.D.) 0'-0" MAX. # OF OCCUPANTS EGRESS CAPACITY 98"/.20" = 490 PEOPLE SMOKE/FIRE SEPARATION HALL NOTE '134' 11'-2" CLEAR OPENING EGRESS CAPACITY -----ADA PATH OF TRAVEL 134"/.20" = 670 PEOPLE HALL NOTE '146' 12'-2" CLEAR OPENING DOOR NOTE '36' 3'-0" SINGLE LEAF DOOR: HALL NOTE '56' 4'-8" CLEAR OPENING EGRESS CAPACITY EGRESS CAPACITY EGRESS CAPACITY 146"/.20" = 730 PEOPLE 3'-2" CLEAR OPENING 56"/.20" = 280 PEOPLE 34"/.20" = 170 PEOPLE HALL NOTE '150' 12'-6" CLEAR OPENING DOOR NOTE '72' 6'-0" DOUBLE LEAF DOOR: HALL NOTE '73' 6'-1" CLEAR OPENING EGRESS CAPACITY UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. THESE DOCUMENTS REMAIN THE EXCLUSIVE PROPERTY OF THE ENGINEER, AND MAY NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. EGRESS CAPACITY EGRESS CAPACITY 150"/.20" = 750 PEOPLE 5'-8" CLEAR OPENING 73"/.20" = 365 PEOPLE 68"/.20" = 340 PEOPLE

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LDG. & MHRIC BLDG. @ NEW PALTZ CAMPUS ROJECT # 62-90-00-00- 1-003-016	ADMIN BLDG - FIRST FLOOR EGRESS PLAN CAPITAL PROJECTS ULSTER COUNTY BOCES NEW PALTZ CAMPUS NEW PALTZ CAMPUS NEW PALTZ CAMPUS NEW PALTZ CAMPUS NEW PALTZ CAMPUS
BH	Job No. 4.1342.24
	File No. 4134224A201
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ADMIN. BLDG. & NYSED PROJEC	Job No. 4.1342.24 File No. 4134224A20 CA2.0



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	<u></u>		(	Code Anal	ysis	
			=	PER THE 2020 INTERNATION	NAL BUILDING CODE (IBC) U.N.O.	
				OCCUPANT LOAD SECTION 1004.5 - AREAS WI OCCUPANCY LOADS WERE AREA ALLOWANCES PER O MAXIMUM FLOOR AREA ALL STORAGE & MECHANICAL ASSEMBLY: CONCENTRATED (CHA STANDING SPACE UNCONCENTRATED (CHA STANDING SPACE UNCONCENTRATED (T BUSINESS AREAS (OFFICE EDUCATIONAL: CLASSROOMS SHOPS OR VOCATION EXERCISE ROOMS INDUSTRIAL AREAS INSTITUTIONAL AREAS INSTITUTIONAL AREAS OUTPATIENT AREAS KITCHENS, COMMERCIAL LIBRARY READING ROOM STACKS LOCKER ROOMS	ITHOUT FIXED SEATING CALCULATED USING THE MAXIM DCCUPANT AS INDICATED IN TABI OWANCES PER OCCUPANT ROOMS AIRS ONLY - NOT FIXED) TABLES & CHAIRS) ES) AL ROOMS	IUM FL LE 100 300 ( 7 I 5 I 15 I 150 ( 20 I 50 ( 100 ( 200 ( 20))))))))))))))))))))))))))))))))))))
				STAGES AND PLATFORMS SECTION 1004.6 - FIXED SE/ FOR AREAS HAVING FIXEI SHALL BE DETERMINED B THEREIN	S ATING D SEATS AND AISLES, THE OCCUI Y THE NUMBER OF FIXED SEATS	15 I PANT INST <i>F</i>





## FRAMING NOTES

THE SIZE AND ORIENTATION OF EXISTING FRAMING IS BASED ON LIMITED SITE OBSERVATION.

 THE CONTRACTOR SHALL REMOVE FINISHES TO FIELD MEASURE AND VERIFY THE EXISTING CONDITIONS PRIOR TO PREPARING SHOP DRAWINGS.
 REFER TO DRAWING \$6.01 FOR GENERAL NOTES AND TYPICAL

DETAILS.

VLAD <u>Revisions:</u> ┙┙┻ TESS
surveying O o SSOCIA ctur Q 4 ă BLDG. & MHRIC BLDG. @ NEW PALTZ CAMPUS PROJECT # 62-90-00-00- 1-003-016 Ζ B 4 **bng** JILDING NG PLAN -AREA OF WORK ADMINISTRATION BU PARTIAL ROOF FRAMIN Z Dwg. 1 of 2 Job No. 4.1342.24 ADMIN. NYSED File No. 23047S2.01 S2.01

Date 2/3/23

Checked EW Drawn AJ

R.A.

POTIYEVSKY,



KEY PLAN



EDWARD P. WILKOWSKI, P.E. N.Y. License No. : 082493

-	A	В	С	D	E	F
1	GENERAL			1 <sup>-</sup>	704 OF "THE 2018 INTERI	NATION
	ALL CONSTRUCTION SH	ALL BE IN ACCORDANCE IG CODE, NEW JERSEY EE	NITH THE REQUIREMENTS DITION," AND LOCAL ORDI	OF "THE 2018 T NANCES. A	HE OWNER SHALL EMPLOND TESTING DURING CO	OY A S NSTRU
	WORK THESE DRAWING DRAWINGS.	IN CONJUNCTION WITH AR	CHITECTURAL AND MECH	ANICAL S A M	PECIAL INSPECTIONS AN PPROVED INDEPENDENT 1ATERIALS, ASTM D3740	ID ASS AGENO
2	THE CONTRACTOR SHAL FIELD BEFORE COMMENT OR MEASUREMENTS AND BROUGHT TO THE ATTE SHALL CONTINUE UNTIL	L VERIFY ALL EXISTING CING WORK. ANY DISCRE D THE INFORMATION SHOU ENTION OF THE STRUCTUR THE DISCREPANCY IS RE	DIMENSIONS AND CONDITI PANCY BETWEEN EXISTIN NN ON THE DRAWINGS SH RAL ENGINEER IMMEDIATE SOLVED.	IONS IN THE A G CONDITIONS IALL BE T ILY. NO WORK C	STM E543 - NON-DESTI THE SPECIAL INSPECTOR COMPETENCE, TO THE SA OF THE PARTICULAR TYPE	RUCTIV SHALL ATISFA PE OF
-	THE CONTRACTOR SHAL TRADES WITH REGARD AS REQUIRED FOR MEC NOT SHOWN ON THESE	L PROVIDE THE NECESSA TO THE DRAWINGS. LOC HANICAL TRADES, AND P DRAWINGS BUT AS REQUI	ARY COORDINATION BETW ATE BOLTS, SLEEVES, A ROVIDE AND INSTALL VA RED FOR VARIOUS TRAD	EEN ALL T ND TRENCHES M RIOUS ITEMS E ES. C	HE SPECIAL INSPECTOR NITH THE APPROVED CON ROUGHT TO THE ATTEN CORRECTED DISCREPANC	SHALL NSTRUG ITION C IES SH
	DO NOT SCALE THE ST CONTRACTOR SHALL OE	RUCTURAL DRAWINGS. IF BTAIN CLARIFICATION FRO	F DIMENSIONS ARE IN QUI M THE STRUCTURAL ENG	ESTION, THE INEER. 1	THE SPECIAL INSPECTOR	SHALL
3	THE STRUCTURAL INTER CONSTRUCTION IN ACCO STRUCTURAL ENGINEER DURING CONSTRUCTION.	GRITY OF THE BUILDING PRDANCE WITH THE PLANS ASSUMES NO LIABILITY THE CONTRACTOR SHAI	IS DEPENDENT ON COMPL 6 AND SPECIFICATIONS. FOR THE STABILITY OF 1 _L SUPPLY ANY TEMPORA	ETED THE 1 THE STRUCTURE 1 ARY BRACING H	THE BOILDING OFFICIA THE SPECIAL INSPECTION THE WORK REQUIRING SP NITH THE APPROVED CO	I AGEN 'ECIAL NSTRUG
	DURING CONSTRUCTION WITHIN THE LIMITS OF FRAMED FLOORS AND F	THE CONTRACTOR SHALL THE DESIGN LOADS. CON ROOFS SHALL BE SPREAD	NELLIL. KEEP LOADS ON THE ST NSTRUCTION MATERIAL PI OUT AS REQUIRED.	IN TRUCTURE T LACED ON	NSPECTIONS SHALL BE C THE FOLLOWING STATEME DTEEL INSPECTIONS:	CONDUC ENT OF
	THE CONTRACTOR IS R MEETING ALL APPLICAE	ESPONSIBLE FOR SAFETY BLE OSHA REQUIREMENTS	WITHIN THE JOB SITE A DURING CONSTRUCTION.	ND FOR	BOLT QUANTITY AND WELD SIZE AND TYP	) TENS
	THE CONTRACTOR IS R EVALUATION AND PROT	ESPONSIBLE FOR ANY RE ECTION OF ADJACENT ST	QUIRED EXCAVATION SHO RUCTURES.	RING AND THE	MEMBER LOCATIONS	AND J
4	STRUCTURAL STEEL					
	ALL STEEL SHALL BE I REQUIREMENTS OF AISC EDITION.	DETAILED, FABRICATED A SPECIFICATION FOR ST	ND ERECTED IN ACCORDA RUCTURAL STEEL BUILDIN	ANCE WITH THE NGS," LATEST		SIG
	ALL WELDERS SHALL B WELDING CODE - STEEI	E QUALIFIED IN ACCORDA L" FOR EACH PROCESS, F DE ELANGE MEMBERS SH	NCE WITH AWS DI.I "STRI POSITION AND JOINT CONF	UCTURAL FIGURATION.	ROOF LOADS DEAD : 20 SNOW : 40	) PSF ) PSF
5	STEEL PLATE, BARS, A	ANGLES AND CHANNELS S	HALL CONFORM WITH AST	M A36 UNLESS	SNOW DESIGN DAT GROUND S FLAT ROO	<u>'A</u> 3NOW L DF SNO
	STRUCTURAL STEEL TU	IBING SHALL CONFORM WI	TH ASTM A500, GRADE E	3	SNOW EXF SNOW LOA THERMAI	OSURE
	STRUCTURAL STEEL PI	PE SHALL CONFORM WITH AL STEEL CONNECTIONS S	ASTM A53, GRADE B. HALL BE MINIMUM 3/4" D	DIAMETER ASTM	SLOPE FA	CTOR
	A325-N UNLESS DESIGN GRADE C OR DH. TENS WASHERS SHALL BE FL	IATED AS A490 ON THE E ION CONTROL BOLTS SHA AT CONFORMING TO ASTI	DRAWINGS. NUTS SHALL E LL BE ASTM F1852 OR AS 1 F436 TYPE I. THE FINIS	BE ASTM A563 STM F2280. SH OF WASHERS	ULTIMATE RISK CAT WIND EXP INTERNAL	DESIG EGORY OSURE PRESS
8	IS TO MATCH THE NUT. BOLTS SHALL HAVE HA	A325 BOLTS SHALL HAV RDENED WASHERS UNDER	E WASHERS UNDER THE THE HEAD AND THE NU	HEAD AND A490 T.		
	ANCHOR BOLTS SHALL NOTED.	BE ASTM F1554 55 KSI Y	IELD STRENGTH, UNLESS	OTHERWISE		
	AFTER WELDING, STUD WELDING OF STUDS IS	S ARE TO BE THE LENGT NOT PERMITTED.	H SHOWN ON THE DRAWIN	NGS. SHOP		
	ALL WELDS SHALL UTIL IN SIZE UNLESS NOTED	IZE E70XX ELECTRODES , OTHERWISE.	AND SHALL BE A MINIMUR	1 OF 3/16 INCH		
7	CONNECTIONS SHALL BE EQUIVALENT WELD.	E BOLTED OR WELDED WI	TH A MINIMUM OF TWO B	OLTS OR		
	RESPONSIBLE FOR THE THE DIRECT SUPERVISI	DESIGN OF CONNECTIONS ON OF AN ENGINEER EXPE	CONNECTION DESIGN SH RIENCED IN CONNECTION	ALL BE UNDER DESIGN.		
	BEAM CONNECTIONS SH	ALL BE IN ACCORDANCE I ARD WEB CONNECTIONS S	WITH THE AISC MANUAL ( HALL BE PROVIDED WHER	OF STEEL RE P <i>O</i> SSIBLE.		
	BEAM CONNECTIONS AR FOR THE APPROPRIATE THE AISC MANUAL OF S	E TO BE DESIGNED TO R SPAN GIVEN IN THE MAX STEEL CONSTRUCTION.	ESIST ONE HALF THE ALI (IMUM TOTAL UNIFORM LC	LOWABLE LOAD DAD TABLE OF		
8	THE CONTRACTOR IS R BY THE CONTRACTOR. CONTRACTOR OF THIS	ESPONSIBLE FOR THE AD APPROVAL OF SHOP DRA RESPONSIBILITY	EQUACY OF ANY CONNECT WINGS DOES NOT RELIEV!	FIONS DESIGNED E THE		
	SHOP DRAWINGS FOR S FABRICATION OR ORDER	TRUCTURAL STEEL SHALI RING OF STEEL.	BE SUBMITTED FOR RE	VIEW PRIOR TO		
	SHOP DRAWINGS SHALL SPACING, LOCATION AN SPACING OF BOLTS ANI DIMENSIONAL RENDERIN	INCLUDE ERECTION PLAN D ATTACHMENT OF STRU D WELDS. SUBMITTAL MI G OF THE STEEL FRAMIN	IS AND PIECE DETAILS IN CTURAL MEMBERS INCLUE JST ALSO INCLUDE A THI G.	IDICATING SIZE, DING SIZE AND REE		
9	THE CONTRACTOR SHAL TO DEVELOPING SHOP 1	L SURVEY, REVIEW AND DRAWINGS.	CONFIRM EXISTING CONDI	TIONS PRIOR		
	NO PORTION OF THE CO DRAWINGS.	ONTRACT DRAWINGS SHAL	L BE REPRODUCED FOR	USE AS SHOP		
	SHOP PRIME ALL STRUC CHROMATE-FREE, VOC- RESISTANCE TO NORMA REQUIREMENTS OF FS	CTURAL STEEL MEMBERS COMPLIANT, UNIVERSAL I L ATMOSPHERIC CORROSI TT-P-664, OR EQUIVALEN	WITH FAST-CURING, LEA 10DIFIED-ALKYD PRIMER ON, COMPLYING WITH PEF T.	D AND WITH GOOD RFORMANCE	F N	200FING
10	DO NOT PRIME SURFAC WITHIN 3 INCHES OF FIE BOLTED FRICTION CONN	ES THAT WILL BE FIREPR ELD WELDS, OR ON THE I IECTIONS.	COOFED, IN CONTACT WIT FAYING SURFACE OF HIGH	H CONCRETE, I STRENGTH		
	GALVANIZE STRUCTURA ACCORDANCE WITH AST SURFACES TO BE PAINT COMPATIBLE PRIMER. R	L STEEL MEMBERS AS IN M A123 AND A385 AFTER TED IN ACCORDANCE WITH REPAIR DAMAGED GALVAN	DICATED ON THE DRAWIN FABRICATION. PREPARE ASTM D2092 AND SHOP IZING IN ACCORDANCE WI	IGS IN GALVANIZED COAT WITH A TH ASTM A780.		
	FURNISH AND INSTALL SUPPORT STRUCTURAL SHALL BE ADEQUATE F LOADS. REMOVE TEMP	TEMPORARY SUPPORTS A STEEL DURING ERECTION OR ANTICIPATED WIND, S ORARY SHORING AFTER 1	ND INTERNAL BRACES NE . TEMPORARY SUPPORT EISMIC, EQUIPMENT AND THE STEEL ERECTION IS (	ECESSARY TO S AND BRACES ERECTION COMPLETE.		TYP;
11	THE OWNER WILL ENGAGE TO PERFORM FIELD TES	GE A QUALIFIED INDEPENI STS AND INSPECTIONS AN	DENT TESTING AND INSPEND ND PREPARE TEST REPOR	ECTING AGENCY RTS.		
	FIELD WELDING AND HIG	GH STRENGTH BOLTS WIL	L BE SUBJECT TO INSPEC	CTION.	EXIST	
	SPECIFIED REQUIREMENT INSPECTING TO DETERM REQUIREMENTS.	TS AND BE RESPONSIBLE 1INE COMPLIANCE OF COR	FOR THE COST OF ADDI RECTED WORK WITH SPEC	TIONAL CIFIED		
	SPECIAL INSPECTIONS					
	SPECIAL INSPECTIONS S	DHALL BE IN ACCORDANCE	WITH THE REQUIREMENT	5 OF SECTION		

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NAL BUILDING CODE, NEW JERSEY EDITION."					Date         2/3/23           Checked         VP           Drawn         JG
SOCIATED TESTING SHALL BE PERFORMED BY AN					
ICY MEETING THE REQUIREMENTS OF ASTM E329 - DILS, ASTM C1077 - CONCRETE, ASTM A880 - STEEL, AND VE TESTING.	© EXISTING JOIST	C EXISTING JOIST			
L BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE ACTION OF THE BUILDING CODE OFFICIAL, FOR INSPECTION CONSTRUCTION REQUIRING SPECIAL INSPECTION.		C EXISTING JOIST			
L OBSERVE CONSTRUCTION PROGRESS FOR COMPLIANCE OCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE OF THE CONTRACTOR FOR CORRECTION. IF NOT HALL BE BROUGHT TO THE ATTENTION OF THE UILDING OFFICIAL. L FURNISH INSPECTION REPORTS FOR EACH INSPECTION TRUCTURAL ENGINEER, CONTRACTOR, AND OWNER. NCY SHALL SUBMIT A FINAL REPORT INDICATING THAT INSPECTION WAS INSPECTED AND IS IN CONFORMANCE OCTION DOCUMENTS. CTED FOR THE MATERIALS AND OPERATIONS LISTED PER F SPECIAL INSPECTIONS:			<u>∃NING</u> ⊮2x¾ LLV		OTIYEVSKY, R.A. CHITECT LIGENRA No. 030220-1
BIONING					D D
JOINT DETAILS	PLAN	<u>SECTION</u>			
AN LOADS	NOTES:	ME AT ALL DOOF OPENINGS OPEATED THAN 10			<u>Revisions:</u>
	2. PROVIDE SUPPORT FRA MOUNTED MECHANICAL	ME UNDER THE FULL PERIMETER OF CURB			
- CALCULATIONS INCLUDE SNOW DRIFT, WHERE REQUIRED.	3. FOR SIZE AND LOCATIO EQUIPMENT SEE ARCHIT	N OF ROOF OPENINGS AND MECHANICAL ECTURAL AND MECHANICAL DRAWINGS.			
LOAD (Pg): 35 PSF DW LOAD (Pf): 24.5SF E FACTOR (Ce): 1.0 PORTANCE FACTOR (Is): 1.0 OR (Ct): 1.0	4. PROVIDE JOIST REINFOI LOADS.	CRT FRAME FOR ROOF			
(Cs): 1.0	OPENINGS AND	EQUIPMENT CURBS			
GN WIND SPEED (Vuit): 112 MPH 1: 11 E CATEGORY: B SURE COEFFICIENT: ± 0.18					
	ROOFING AND       Image: Comparison of the second dependence of the second depend	6'-0"     #IO SCR       MAX. OPENING     0.C., AL       W" - 20 GA. TYPE 'B'     Image: Comparison of the comparison of th	ENS @ 6" L SIDES	LTZ CAMPUS	A BASSOCIATES L Banering • planning • architecture • surveying 252 Main Street, goshen, New York 10924 (845)615-0350
IG & INSULATION HOWN FOR CLARITY HOWN FOR CLARITY HOWN FOR CLARITY HOWN FOR CLARITY HOWN FOR CLARITY HOWN FOR CLARITY HOW FOR	<pre>#0 SELF D SCREWS @ INTO ROOF FLASHING A INSULATION</pre>	MECHANICAL UNIT, SEE ROOF PLAN REFER TO MECHANICAL DRAWINGS FOR ROOF CURB SPECIFICATIONS. ROOF CURB, SEE MECHANICAL DRAWINGS #10 SELF DRILLING SCREWS @ 12" O.C. INTO METAL DECK ANGLE FRAME, SEE TYPICAL DETAIL DECK OPENING TTACHMENT DETAIL T TO SCALE	Micucc Consu 2651 S Yorktov F Job No.: 23047	MIN BLDG. (842) 623-9100 MENDERDG. (845) 623-9100 MENDERDG. (845) 623-9100 MENDERDG. (845) 623-9100 MENDERDG. (845) 623-9100	GENERAL NOTES AND TYPICAL DETAILS GENERAL NOTES AND TYPICAL DETAILS CAPITAL PROJECTS ULSTER COUNTY BOCES NEW PALTZ CAMPUS ULSTER COUNTY, NEW YORK ULSTER COUNTY, NEW YORK
			ED' N.Y	WARD P. WILKOWSKI, P.E. 7. License No. : 082493	S6.01















NY Certificate of Authorization

Demolition	Key Notes - Work Area 'A'	INDICATES ION KEY NOTE	Eng'r. Nos. 001880 Date 2/3/ Checked VP	67 '23 }
1.CONTRACTOR T NEW CONSTRUC INFORMATION. O 2.2.EXISTING SIGNA 3.3.EXISTING DOOR 4.4.REPOINT AND R 5.5.GC TO PROVIDE DOOR OPENER. DRAWINGS FOR	O BREAK UP EXISTING CONCRETE SLAB WHERE REQUIRED TO PREPACTION, AND REMOVE. REFER TO DRAWING 1/A2.03 FOR ADDITIONAL CONTRACTOR TO PATCH AND REPAIR CONCRETE SLAB AS REQUIRED. GE AND LOW ENERGY CLOSER TO REMAIN. TO REMAIN. EPAIR EXISTING MASONRY PIER TO REMAIN. THROUGH WALL PENETRATION AS REQUIRED FOR NEW ELECTRIC FOR COORDINATE LOCATION IN THE FIELD AND WITH EC. REFER TO ELECTADDITIONAL INFORMATION.	ARE FOR DR NEW TRICAL	Drawn BW 870/24	
Demolition	Key Notes - Work Area 'C'	INDICATES ION KEY NOTE	<b>R.A.</b>	
1. CONTRACTOR T ENTIRETY. EXIS CRANK IN AN AF	O REMOVE EXISTING CASEMENT WINDOW CRANK OPERATOR MECHA TING WINDOW, FRAME, ETC. TO REMAIN. CONTRACTOR TO DISPOSE C PROVED MANNER.	NISM IN ITS DF WINDOW	SKY, License No	
Demolition	Key Notes - Work Area 'D'	INDICATES ION KEY NOTE		
1. CONTRACTOR T AND DISPOSE O REMAIN.	O REMOVE EXISTING WEATHER STRIPPING FROM EXISTING EXTERIOR F IN AN APPROVED MANNER. EXISTING DOOR, FRAME, HARDWARE, E	R DOORS TC. TO	ED ARCHITE	
Demolition	Key Notes - Work Area 'H'	INDICATES ION KEY NOTE		
1. AREA OF INTERI ACCOMMODATE ADDITIONAL INF	OR RENOVATIONS, GC TO DEMOLISH PORTION OF GWB CEILING AT N PROPOSED WORK. REFER TO RCPs AND PROPOSED DRAWINGS FOR ORMATION.	ICHE TO	⊧ <u>Revisions:</u>	 
			UNAUTHORIZED ALTERATIONS ADDITIONS TO THIS DOCUMEN A VIOLATION OF SECTION 720 THE NEW YORK STATE FDUICL	OF VT )9
			THE NEW TORK STATE EDOCA LAW. THESE DOCUMENTS REM THE EXCLUSIVE PROPERTY OF ENGINEER, AND MAY NOT BE FOR ANY PURPOSE WHATSOF	MAII TH USI
			OF THE ENGINEER.	
	General Notes			•
	1. DIMENSIONS SHOWN ARE FROM FACE OF FINISH MATERIALS (+/-)		ing, ure, g LLP	
	<ul> <li>UNLESS OTHERWISE NOTED.</li> <li>2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS.</li> <li>3. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING OR SUPPORT</li> </ul>		jineeri nning, chitect veying	
	10 PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF AREAS TO BE DEMOLISHED AND ADJACENT FACILITIES TO REMAIN. 4. THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES ONLY WITHIN THE ALLOWABLE HOURS OF OPERATION ON WEEKDAYS AND		Eng Plai Aro Sur	
	WEEKENDS IN ACCORDANCE WITH THE LOCAL NOISE ORDINANCE. THE CONTRACTOR SHALL CONSULT THE LOCAL MUNICIPALITY FOR ACCEPTABLE HOURS.			
	5. CONTRACTOR IS REQUIRED TO PATCH (TO MATCH EXISTING), IMMEDIATELY AFTER REMOVAL, ALL WALL, FLOOR & CEILING OPENINGS WHERE EXISTING PIPE, DUCT, CONVECTORS, ETC. ARE	BUG		
	BEING REMOVED. SEAL OPENING WITH 3 HOUR BARRIER CAULK AS PER FIRESTOPPING SPECIFICATIONS. REFER TO FIRESTOPPING DETAILS ON SHEET <u>A8.03</u> FOR ADDITIONAL INFORMATION.	CAM		
	MULTIPLE PRIME CONTRACTOR ABBREVIATIONS		AS:	
	ALL REFERENCES TO "CONTRACTOR" IN NOTES SHALL REFER TO THE PRIME CONTRACTOR RESPONSIBLE FOR DRAWING SERIES THE NOTE IS FOUND ON. UNLESS NOTED OTHERWISE, ABBREVIATIONS FOR PRIME	PAL 16		
	CONTRACTORS ARE AS FOLLOWS: GC - GENERAL CONTRACTOR	EW /	LAN LAN	
	MC - MECHANICAL CONTRACTOR EC - ELECTRICAL CONTRACTOR PC - PLUMBING CONTRACTOR	20 NI	S SES	YORK
	MULTIPLE PRIME CONTRACT NOTES:		N BU DLITI DJECTS DJECTS	NFW
	SEE SPECIFICATION <u>SECTION 011200 - SPECIAL PROVISIONS</u> AND <u>010101 - MULTIPLE CONTRACT SUMMARY</u> FOR INFORMATION	BLD	ATIO DEN AL PRC COUNT	
	REGARDING RESPONSIBILITY OF EACH PRIME CONTRACTOR AND REQUIRED COORDINATION.	21C	<b>USTR</b> OOR CAPITA STER JEW P.	
	<ol> <li>ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR REVIEWING DEMOLITION NOTES ON <u>A1.01</u> AS WELL AS ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING &amp; ELEVATOR DRAWINGS AND NOTES</li> </ol>	MHF 1 # 6	ADMIN ST FL	
	CORE DRILL LAYOUT NOTES:	EC]		
Plan NORTH	1. CORE DRILLING SHALL BE PERFORMED BY EACH INDIVIDUAL PRIME CONTRACT. REFER TO SPECIFICATION SECTION 011200 - SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.	ROU		
ADMIN BLDG.	2. EACH PRIME CONTRACTOR SHALL FIELD VERIFY AND MARK ON PLANS ALL STRUCTURAL MEMBERS BELOW PROPOSED CORE DRILL		Job No. 4.1342.24 File No. 4134224A1(	
				71
	LOCATIONS AND NOTE ANY INTERFERENCES ON THE DRAWINGS. ANY DISCREPANCIES BETWEEN PROPOSED PLANS AND EXISTING CONDITIONS SHALL BE CLEARLY MARKED AND IDENTIFIED ON THE	DN/ VS/		<i>)</i>





# Demolition Key Notes

- EXISTING EPDM ROOFING SYSTEM TO REMAIN.
   EXISTING MECHANICAL EQUIPMENT TO REMAIN.
   EXISTING VENT/PENETRATION TO REMAIN.
   EXISTING SKYLIGHT TO REMAIN.
   EXISTING SKYLIGHT TO REMAIN.
   EXISTING SKYLIGHT TO REMAIN.
   MC TO DEMOLISH PORTION OF EXISTING GAS PIPING, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
   MC TO DEMOLISH EXISTING MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
   MC TO DEMOLISH EXISTING MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
   GC TO REMOVE EXISTING WEATHER STATION AND RELOCATE, REFER TO PROPOSED ROOF PLAN.
   GC TO PROVIDE NEW ROOF OPENING TO ACCOMMODATE PROPOSED MECHANICAL WORK. COORDINATE SIZE AND LOCATION WITH MC AND FIELD VERIFY. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
   PREPARE FOR NEW RAILS/SUPPORTS AS REQUIRED TO ACCOMMODATE NEW MECHANICAL EQUIPMENT. REFER TO PROPOSED ROOF PLAN AND MECHANICAL PLANS FOR ADDITIONAL INFORMATION. GC TO REMOVE PORTION OF ROOF AS REQUIRED TO ACCOMMODATE ASSOCIATED PIPING AS PRE PROPOSED MECHANICAL DRAWINGS. GC TO COORDINATE SIZE AND LOCATION WITH MC AND ACTUAL FIELD CONDITIONS.

ADMIN		BLDG. & MHRIC BLDG. @ NEW PALT PROJECT # 62-90-00-00- 1-003-016	Z CAMPUS			/INGS FOR ADDITIONAL WINGS FOR ADDITIONAL D ROOF PLAN. WORK. COORDINATE SIZE AND DITIONAL INFORMATION. ANICAL EQUIPMENT. REFER TO C TO REMOVE PORTION OF ROOF ICAL DRAWINGS. GC TO	SYMBOL INDICATES DEMOLITION KEY NOTE	
	╟							
A1.03	File No. 4134224A10.3	EXISTING ROOF PLAN WITH DEMOLITION EXISTING ROOF PLAN WITH DEMOLITION CAPITAL PROJECTS ULSTER COUNTY BOCES NEW PALTZ CAMPUS ULSTER COUNTY, NEW YORK	SSOCIATES Now York 10024 C 1845-0350	UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. THESE DOCUMENTS REMAIN THE EXCLUSIVE PROPERTY OF THE ENGINEER, AND MAY NOT BE USEL FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.	ULAD POTIYEVSKY, I THE REGISTERED ARCHITECT LICENSE No.	<b>R.A.</b> . 030220-1   EXP. 06/30/24	NY Certificate of AuthorizationEng'r. Nos.0018867Date2/3/23CheckedVPDrawn/C	



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							VLAD POTIYEVSKY, R.A.	Title REGISTERED ARCHITECT License No. 030220-1   EXP. 06/30/24
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				EXISTING GYP. BOA	RD CEILING			345-615-03
				ALL EXISTING LIGHT FI REMOVED. REFER TO DRAWINGS FOR A INFORMATI	XTURES TO BE DELECTRICAL DDITIONAL ON.			-0350 <b>f</b> . 8
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			SP 🔮 🛛 🕲	EXISTING CEILING ELECTRICAL EQU			Engine	Archite Survey 10924
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ISURE Re to I Dof/Ce	INTEGRITY AND CONTINUITY O BE PROTECTED PER RATED DES EILING ASSEMBLIES AS REQUIRI	F ALL EXISTING FIRE-RATED ASS SCRIPTIONS. TENT ALL LIGHT FIZ ED.	SEMBLIES. PEN KTURES IN RA	NETRATIONS THROUG TED FLOOR/CEILING,	6H CEILINGS	CAM		SOC ain Street
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EILING ) KEY I ECTRI ECTRI	IN PLACE. REMOVE ANY CEILING NOTES 4-6 AND COORDINATE W CAL CONTRACTOR TO REMOVE CAL CONTRACTOR TO TEMPOR	G MOUNTED ITEMS WITHIN ARE/ /ITH MECHANICAL AND ELECTRIC E EXISTING LIGHTING FIXTURES / ARILY TERMINATE ELECTRICAL	A OF WORK, FI CAL DRAWING AND DISPOSE CONNECTION	ELD VERIFY LOCATIO S AS REQUIRED. OF IN AN APPROVED S PER NEC REQUIREN	NS. REFER MANNER. IENTS.	MHR T # 6;	<b>NIMA</b> NOITI	C NE NE NE NE
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D BE RI ECHAN EINSTA	EMOVED. REFER TO FA PLANS F IICAL CONTRACTOR TO REMOVE ILLATION OR DISPOSE OF IN AN	FOR ADDITIONAL INFORMATION. E EXISTING MECHANICAL ITEM (I APPROVED MANNER, COORDIN		VER, VENT, ETC.) SAL	VAGE FOR ELECTRICAL	BLD PRO	Job No. 4,1	1342.24
TH GE TO R UIPME	ENTRAL CONTRACTOR. REFER T EMOVE EXISTING GWB CEILING ENT, FIELD VERIFY AND COORD	TO MECHANICAL DRAWINGS FOR AT NICHE TO ACCOMMODATE P INATE WITH PROPOSED DRAWIN	ADDITIONAL ROPOSED WC	INFORMATION. NRK AND NEW MECHA HANICAL DRAWINGS.	NICAL REFER TO	MIN. SED	File No. 41	34224A131
I AIL 2	8&3/A2.01 FOR ADDITIONAL INFO	DKMATION.				AD NY%	A <sup>.</sup>	1.31

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eiling Notes		Demolition Key Notes		SYMBOL INDICAT
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ER RATED DESCRIPTIONS TENT ALL LIGHT FIXTURES IN	Ζ.			
CEILING ROOF/CEILING ASSEMBLIES AS REQUIRED		TO REMAIN INSPECT AND REPAIR OR I		RTIONS AS
THATCHED SHALL HAVE EXISTING CEILING FINISH TO		REQUIRED, REMOVE ANY CEILING MOU	NTED ITEMS	S WITHIN AREA
SS OTHERWISE NOTED.		WORK FIELD VERIEY LOCATIONS, REF	R TO KEY N	JOTES 4-6 AND
TORS (I.E. MECHANICAL, ELECTRICAL, PLUMBING) ARE		COORDINATE WITH MECHANICAL AND I	ELECTRICAL	DRAWINGS AS
COORDINATE THEIR WORK WITH INDIVIDUAL CEILING		REQUIRED.		_
DISTURBED AND/OR DAMAGED AREAS RESULTING FROM	3.	GENERAL CONTRACTOR TO REMOVE E	XISTING SU	SPENDED FINIS
S OPERATIONS SHALL BE PATCHED AND REPAIRED TO		CEILING SYSTEM IN ITS ENTIRETY, INC	UDING BUT	NOT LIMITED 7
		TILES, GRID, FRAMING, TRIM, SUPPORT	S, FASTENE	RS, AND ALL
AL AND MECHANICAL DEVICES (LIGHTING FIXTURES,		DEVICES USED TO SECURE THE CEILIN	G IN PLACE.	. REMOVE ANY
ITED ITEMS, ETC.) ARE SHOWN FOR DIAGRAMMATIC		CEILING MOUNTED ITEMS WITHIN AREA	OF WORK,	FIELD VERIFY

ALL EXISTING WALL MOUNTED DEVICES TO REMAIN. COORDINATE ANY EXISTING WALL MOUNTED CONDUIT PENETRATIONS WITH NEW ACT

ROOF BELOW

- ISH D T O LOCATIONS. REFER TO KEY NOTES 4-6 AND COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AS REQUIRED. ELECTRICAL CONTRACTOR TO REMOVE EXISTING LIGHTING FIXTURES AND DISPOSE OF IN AN APPROVED MANNER. ELECTRICAL CONTRACTOR TO TEMPORARILY TERMINATE ELECTRICAL CONNECTIONS PER NEC REQUIREMENTS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. ELECTRICAL CONTRACTOR TO REMOVE EXISTING CEILING MOUNTED ELECTRICAL DEVICE AND SALVAGE FOR REINSTALLATION. ELECTRICAL CONTRACTOR TO TEMPORARILY TERMINATE ELECTRICAL CONNECTIONS PER NEC REQUIREMENTS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. CEILING MOUNTED FA DEVICES TO BE REMOVED. REFER TO FA PLANS FOR ADDITIONAL INFORMATION MECHANICAL CONTRACTOR TO REMOVE EXISTING MECHANICAL ITEM (DAMPER, LOUVER, VENT, ETC.) SALVAGE FOR REINSTALLATION OR DISPOSE OF IN AN APPROVED MANNER, COORDINATE WITH
- MECHANICAL DRAWINGS. ELECTRICAL CONTRACTOR TO TEMPORARILY TERMINATE ALL ELECTRICAL CONNECTIONS PER NEC REQUIREMENTS, COORDINATE WITH GENERAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

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Engi Plan Arch Surv

MHRIC BUILDING & SECOND FLOOR CAPITAL PROJECTS ULSTER COUNTY BOCES NFW PALTZ CAMPLIS

Job No. 4.1342.24

File No. 4134224A13

A1.32

NY Certificate of Authorization

001886

Eng'r. Nos.

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	jenu	
	EXISTING SUSPENDED CEILING SYSTEM TO REMAIN	NEV 003-
	EXISTING SUSPENDED CEILING TILES TO BE REMOVED, GRID TO REMAIN	0- 1-0
	EXISTING SUSPENDED CEILING SYSTEM TO BE REMOVED IN FULL, INCLUDING GRID	00-C
	EXISTING GYP. BOARD CEILING	IC B.
	ALL EXISTING LIGHT FIXTURES TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.	. & MHR ECT # 62
	EXISTING MECHANICAL DIFFUSERS	DG SOJI
⊘ ∑ 59 ⊗ ⊚ 69	EXISTING CEILING MOUNTED ELECTRICAL EQUIPMENT	IN. BL
<b>●</b> <sup>7'-6"</sup>	DATUM: FINISH CEILING HEIGHT ABOVE FINISH FLOOR	NDM.

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			<b>C</b>	CONTRACTOR TO ALL PAINT EXIST DOORS, RECESSES, ETC. SEE PAIN MINIMUM. REFER TO SPECIFICATIC
			<b>C</b>	ONSTRUCTION KEY N CONTRACTOR TO RECAULK EXISTI EXISTING SIZE AND TYPE AND REC
			<b>C</b>	GENERAL CONTRACTOR TO PROVI ADDITIONAL INFORMATION.

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		NY Certificat	e of Authorization
		Eng'r. Nos.	0018867
		Date	2/3/23
		Checked	VP
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Construction Key Notes         1. EXISTING EPDM ROOFING SYSTEM TO REMAIN.         2. EXISTING MECHANICAL EQUIPMENT TO REMAIN.         3. EXISTING VENT/PENETRATION TO REMAIN.         4. EXISTING SKYLIGHT TO REMAIN.	# SYMBOL INDICATES CONSTRUCTION KEY NOTE		EXP. 06/30/24
<ol> <li>5. PORTION OF EXISTING PIPING TO REMAIN, REFER TO MECHANICAL DRAWINGS FOR A</li> <li>6. MC TO INSTALL NEW GAS PIPING AND CONNECT TO EXISTING PER MECHANICAL DRAWINGS FOR A</li> <li>7. GC TO PATCH AND REPAIR ROOF AT REMOVED MECHANICAL UNIT AND ASSOCIATED <u>4-5/A6.02 (SIM.)</u> AS REQUIRED.         </li> <li>8. MC TO INFILL ROOFING AT REMOVED MECHANICAL UNIT. REFER TO DETAIL <u>4-5/A6.02</u></li> <li>9. NEW MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONA NEW CURB RAILS AS REQUIRED, COORDINATE LOCATION WITH MC. REFER TO DETAIL INFORMATION.         </li> <li>10. MC TO INSTALL NEW DOAS UNIT, REFER TO MECHANICAL DRAWINGS FOR ADDITION AND INSTALL NEW DOAS UNIT, REFER TO MECHANICAL DRAWINGS FOR ADDITION AND INSTALL NEW DOAS UNIT, REFER TO MECHANICAL DRAWINGS FOR ADDITION AND INSTALL NEW DOAS UNIT, REFER TO MECHANICAL DRAWINGS FOR ADDITION AND INSTALL NEW DUNNAGE. COORDINATE LOCATION WITH MC AND ACTUAL FIELD <u>1/A6.02</u> FOR ADDITIONAL INFORMATION.         </li> <li>11. GC TO FLASH NEW DUCT PENETRATION AS REQUIRED. REFER TO DETAIL <u>6/A6.02</u> AS</li> </ol>	ADDITIONAL INFORMATION AWINGS. D PIPING. REFER TO DETAIL FOR ADDITIONAL INFORMATION. IL INFORMATION. GC TO INSTALL IL 2-3/A6.02 FOR ADDITIONAL AL INFORMATION. GC TO PROVIDE CONDITIONS. REFER TO DETAIL	VSKY, R.A.	License No. 030220-1
12.GC TO RELOCATE EXISTING WEATHER STATION. COORDINATE LOCATION WITH OWI		POTIVE	) ARCHITECT

	<b>VLAD POTIYEVSKY, R.A.</b> THE REGISTERED ARCHITECT LICENSE NO. 030220-1   EXP. 06/30/24
	UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. THESE DOCUMENTS REMAIN THE EXCLUSIVE PROPERTY OF THE ENGINEER, AND MAY NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
'Z CAMPUS	Engineering, Planning, Architecture, Surveying LLP52 Main Street, Goshen, New York 109241. 845-615-035052 Main Street, Goshen, New York 109241. 845-615-0350
DG. & MHRIC BLDG. @ NEW PALT OJECT # 62-90-00-00- 1-003-016	ADMINSTRATION BUILDING PROPOSED ROOF PLAN CAPITAL PROJECTS ULSTER COUNTY BOCES NEW PALTZ CAMPUS ULSTER COUNTY, NEW YORK 23
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				<b>A.</b> 2220-1   E
	Coiling	Turnee		<b>Y</b> , <b>R</b> .
	Celling			XX
	©T-1)	TILE INSTALLED INTO EXISTING SUSPENSION GRID.		
	CT-2	TO MATCH EXISTING, INSTALL IN EXISTING GRID TO REMAIN.		D ARCHITE
	©T-3	INSTALLED INTO NEW SUSPENSION GRID.		<b>LAD</b> REGISTERE
	CT-4	PLUS ABUSE RESISTANT' BRAND ABUSE/WATER/MOLD/ FIRE-RESISTANCE INTERIOR PANELS. FINISH JOINTS AND PAINT, TYP. REFER TO PAINTING NOTES ON A2.01 FOR		
	(OTA)	OPEN TO ABOVE.		
		end		
		EXISTING SUSPENDED CEILING		
		SYSTEM TO REMAIN EXISTING SUSPENDED CEILING TILES TO BE REMOVED, GRID TO		
		REMAIN EXISTING SUSPENDED CEILING SYSTEM TO BE REMOVED IN FULL, INCLUDING GRID		
		NEW SUSPENDED CEILING TILES IN EXISTING GRID		UNAUTHORIZED ALTERATIONS OR
		NEW SUSPENDED CEILING TILES AND GRID		ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. THESE DOCUMENTS REMAIN THE EXCLUSIVE PROPERTY OF THE EVIGINEER, AND MAY NOT BE USED
		EXISTING GYP. BOARD CEILING		FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
		ALL EXISTING LIGHT FIXTURES TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.		45-615-0351
	Ø ₩ ■ ■ ■	EXISTING CEILING MOUNTED ELECTRICAL EQUIPMENT.		50 F. 8
		DATUM: FINISH CEILING HEIGHT ABOVE FINISH FLOOR		ng, ure, 3 LLP 45-615-03
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TEGRITY AND CONTINUITY OF ALL EXISTING FIRE-R PROTECTED PER RATED DESCRIPTIONS. TENT ALL	ATED ASSEMBLIES. PEN LIGHT FIXTURES IN RAT	ETRATIONS THROUGH CEILINGS ED FLOOR/CEILING,		En En Ar Su Su K 109
ING ASSEMBLIES AS REQUIRED. ED ACOUSTIC TILE CEILINGS SHALL BE CENTERED IN , UNLESS OTHERWISE INDICATED, FIELD VERIFY. NOT HATCHED SHALL HAVE EXISTING CEILING FINI RACTORS (I.E. MECHANICAL, ELECTRICAL, PLUMBING . CEILING FINISHES. ALL DISTURBED AND/OR DAMA NS SHALL BE PATCHED AND REPAIRED TO MATCH. FY ALL DIMENSIONS AND CLEARANCES. COORDINA ROPER INSTALLATION. RS AND PATTERNS TO BE SELECTED BY OWNER, TYP	I SPACE IN BOTH DIRECT SH TO REMAIN UNLESS ( G) ARE REQUIRED TO CC GED AREAS RESULTING TE INSTALLATION OF LIC PICAL.	TIONS TO MINIMIZE WASTE AS OTHERWISE NOTED. ORDINATE THEIR WORK WITH FROM CONTRACTORS GHTING, EQUIPMENT, ETC. TO	CAMPUS	SSOCIATES Main Street, Goshen, New
OR SHALL FURNISH AND INSTALL ALL NECESSARY / S, SUPPORT WIRES, TRIM, ETC. FOR A COMPLETE IN NG FIXTURES AND CEILING MOUNTED ITEMS ARE SI TUAL LOCATIONS.	ACCESSORIES INCLUDIN ISTALLATION. HOWN FOR DIAGRAMMA	IG PERIMETER MOLDINGS, TIC PURPOSES ONLY, FIELD	<b>TZ</b>	AS AS
ONS WHERE NEW CEILING ADJOINS, ABUTS, OR EXT CH THAT OF EXISTING. NG WALL MOUNTED DEVICES TO REMAIN. COORDIN IONS WITH NEW ACT CEILING INSTALLATION.	ENDS AN EXISTING CEIL	ING, NEW CEILING TILE AND GRID	VEW P/ 103-016	ANG ANS ANS
Iction Key Notes		# SYMBOL INDICATES CONSTRUCTION KEY NOTE	. @ I 0- 1-(	<b>BUILD</b> <b>IG PL</b> ICTS BOCES APUS IPUS
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File No. 4134224A204

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APPLICATION PROCEDURES AS SET FORTH BY THE MANUFACTURER. REFER TO CLEANING NOTES FOR ADDITIONAL INFORMATION.

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<ul> <li>EXISTING CEILING FINISH TO REMAIN.</li> <li>GENERAL CONTRACTOR TO INSTALL NEW ACOUSTIC CEILING TILE IN EXISTING SUSPENSION GRID TO REMAIN. REFER TO CEILING TYPES, NOTES, AND DETAILS FOR ADDITIONAL INFORMATION. INSPECT AND REPAIR OR REPLACE PORTIONS OF EXISTING GRID TO MATCH EXISTING AS REQUIRED. REINSTALL ANY REMOVED CEILING MOUNTED ITEMS IN SAME LOCATION, FIELD VERIFY, AND REFER TO KEY NOTES 4.6. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AS REQUIRED.</li> <li>GENERAL CONTRACTOR TO PROVIDE AND INSTALL NEW SUSPENSION GRID. REFER TO CEILING TYPES, NOTES, AND DETAILS FOR ADDITIONAL INFORMATION. REINSTALL ANY REMOVED CEILING MOUNTED ITEMS IN SAME LOCATION, FIELD VERIFY, AND REFER TO KEY NOTES 4.6. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AS REQUIRED.</li> <li>ELECTRICAL CONTRACTOR TO INSTALL NEW LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.</li> <li>ELECTRICAL CONTRACTOR TO REINSTALL EXISTING CEILING MOUNTED ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.</li> <li>ELECTRICAL CONTRACTOR TO REINSTALL EXISTING CEILING MOUNTED ELECTRICAL DEVIC3E IN SAME LOCATION, FIELD VERIFY. COORDINATE WITH PROPOSED CEILING LAYOUT AS REQUIRED. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.</li> <li>MECHANICAL CONTRACTOR TO REINSTALL EXISTING MECHANICAL ITEM (DAMPER, LOUVER, VENT, ETC.) IN SAME LOCATION, FIELD VERIFY. COORDINATE WITH PROPOSED CEILING LAYOUT AS REQUIRED. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.</li> <li>MECHANICAL CONTRACTOR TO REINSTALL EXISTING MECHANICAL INFORMATION.</li> <li>MECHANICAL CONTRACTOR TO REINSTALL EXISTING MECHANICAL INFORMATION.</li> <li>MECHANICAL CONTRACTOR TO REINSTALL EXISTING SECREMENTIONAL INFORMATION.</li> <li>MECHANICAL CONTRACTOR TO REINSTALL EXISTING MECHANICAL INFORMATION.</li> <li>MECHANICAL CONTRACTOR TO REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.</li> </ul>	Construction Key No	tes	# SYMBOL INDICATES CONSTRUCTION KEY NOTE	). ). 00-	FLONC OJECT. TY BOU NEW
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<ul> <li>3. GENERAL CONTRACTOR TO PROVIDE AND INSTALL NEW SUSPENDED ACOUSTIC CEILING TILE FINISH SYSTEM, INCLUDING NEW SUSPENSION GRID. REFER TO CEILING TYPES, NOTES, AND DETAILS FOR ADDITIONAL INFORMATION. REINSTALL ANY REMOVED CEILING MOUNTED ITEMS IN SAME LOCATION, FIELD VERIFY, AND REFER TO KEY NOTES 4-6. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AS REQUIRED.</li> <li>4. ELECTRICAL CONTRACTOR TO INSTALL NEW LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.</li> <li>5. ELECTRICAL CONTRACTOR TO REINSTALL EXISTING CEILING MOUNTED ELECTRICAL DEVIC3E IN SAME LOCATION, FIELD VERIFY. COORDINATE WITH PROPOSED CEILING LAYOUT AS REQUIRED. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.</li> <li>6. MECHANICAL CONTRACTOR TO REINSTALL EXISTING MECHANICAL ITEM (DAMPER, LOUVER, VENT, ETC.) IN SAME LOCATION, FIELD VERIFY. COORDINATE WITH PROPOSED CEILING LAYOUT AS REQUIRED. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.</li> <li>M</li> </ul>	RE) INFORMATION. INSPECT AND REPA EXISTING AS REQUIRED. REINSTAL LOCATION, FIELD VERIFY, AND REF AND ELECTRICAL DRAWINGS AS RE	IR OR REPLACE PORTIO L ANY REMOVED CEILIN ER TO KEY NOTES 4-6. ( EQUIRED.	G MOUNTED ITEMS IN SAME	IRIC 62-9	<b>MHRI</b> <b>CAPI</b> CAPI LSTER NEW + TER C
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ୁ ™ ସୁୁୁଷ୍ଣ A5.02	6. MECHANICAL CONTRACTOR TO RE VENT, ETC.) IN SAME LOCATION, FI LAYOUT AS REQUIRED. REFER TO	INSTALL EXISTING MECH ELD VERIFY. COORDINA MECHANICAL DRAWINGS	HANICAL ITEM (DAMPER, LOUVER, TE WITH PROPOSED CEILING S FOR ADDITIONAL INFOMRAITON.	NIN.	File No. 4134224A502
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	ADMIN. BLDG. & MHRIC BLDG. @ NEW PALTZ CAMPUS NYSED PROJECT # 62-90-00-1-003-016	MHRIC BUIDNG       MHRIC BUIDNG         MHRIC BUIDNG       MHRIC BUIDNG         MHRIC BUIDNG       MHRIC BUIDNG         BAHTROOM PLANS & NOTES       Engineering,         Random PLANS & NOTES       Engineering,         Planning,       Planning,         Acchitat ProJects       Architecture,         ULSTER COUNTY BOCES       Surveying LLP         NEW PALTZ CAMPUS       Surveying LLP         ULSTER COUNTY, NEW York 10924       1.845-615-0350         ULSTER COUNTY, NEW York 10924       1.845-615-0350         ULSTER COUNTY, NEW York 10924       1.845-615-0350

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1	ABBREVIATIONS	GENERAL NOTES	H.V.A.C. GENERAL NOTES	SYMB
	&=ANDHVAC=HEAT/VENT/AIR COND $@$ =ATHWR=HOT WATER RETURN PIPING $\phi$ =DIAMETER OR ROUNDHWS=HOT WATER SUPPLY PIPING	1. ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE NEW YORK STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, ASHRAE GUIDELINES, SMACNA, ULSTER COUNTY GUIDELINES, NEC, NATIONAL STANDARD BUIMPING CODE, AND ALL OTHER ADDUCABLE	1. PROCURE AND PAY ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT THE WORK SHOWN. OBTAIN AND PAY FOR ALL FEES.	= SUPPLY AIR CEILING DIFFU INDICATED ON PLANS
2	ABV=ABOVEID=INSIDE DIAMETER (DIM)AC=AIR CONDITIONING UNITIN=INCHACC=AIR COOLED CONDENSING UNITINSUL=INSULATIONAD=ACCESS DOORADDITIONIALIANITOR	<ol> <li>CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND EAMIL ARIZING HIMSELE WITH THE EXISTING CONDITIONS AND SCORE</li> </ol>	2. COMPLY WITH ALL FEDERAL, STATE AND MUNICIPAL LAWS AND CODES, ORDINANCES, RULES AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE	= 3-WAY SUPPLY AIR CEILING INDICATED ON PLANS. = 2-WAY SUPPLY AIR CEILING INDICATED ON PLANS
	ADD L = ADDITIONAL JAN = JANTOR ADJ = ADJUSTABLE AHU = AIR HANDLING UNIT LSD = LINEAR SLOT DIFFUSER ALT = ALTERNATE MAX = MAXIMUM	OF THE WORK PRIOR TO SUBMITTING BIDS AND COMMENCING WORK, AND INCLUDE ALL SUCH NECESSARY WORK BASED ON THIS SITE FAMILIARIZATION IN THIS BID.	<ol> <li>GUARANTEE H.V.A.C. SYSTEMS FOR A PERIOD OF TWO YEARS FROM OWNER'S ACCEPTANCE TO BE FREE FROM DEFECTS AND REPAIR OR REPLACE, AT NO COST TO OWNER, FAILURES OR DEFECTS.</li> </ol>	= RETURN AIR REGISTER (RA PLANS
	B-#=BOILERMD=MOTORIZED DAMPERBB=BASEBOARDMECH=MECHANICALBD=BAROMETRIC DAMPERMEP=MECHANICAL/ ELECTRICAL/BDD=BACK DRAFT DAMPERPLUMBINGBLDG=BUILDINGMFR=MANUFACTURER	3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENT SHALL APPLY. CARE SHALL BE EXERCISED TO AVOID	<ol> <li>H.V.A.C. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL HIS DEBRIS.</li> <li>BALANCE AIR AND WATER SYSTEMS TO QUANTITIES INDICATED.</li> </ol>	<ul> <li>EXHAUST AIR REGISTER (ENDICATED ON PLANS</li> <li>EXHAUST AIR REGISTER (ENDICATED ON PLANS</li> </ul>
3	BOD=BOTTOM OF DUCTMIN=MINIMUMBOS=BOTTOM OF STEELMISC=MISCELLANEOUSC=CONVECTORN.A.=NOT APPLICABLECD=CONDENSATE DRAINNK=NECK SIZE	<ul> <li>ENDANGERING PERSONNEL OR STRUCTURES.</li> <li>4. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEAN &amp; METHODS, PROCEDURES AND JOB SITE CONDITIONS INCLUDING SAFETY. CONSTRUCTION SHALL BE PERFORMED IN SUCH A MANNER TO</li> </ul>	<ul> <li>CONTRACTOR TO SUBMIT SIX (6) SETS OF AIR, WATER AND UNIT BALANCING REPORT TO ARCH./ENGR./OWNER PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM.</li> <li>6. BIDDERS FOR THIS WORK SHALL VISIT THE PREMISES AND</li> </ul>	= RETURN AIR WALL REGISTINDICATED ON PLAN = POINT OF CONNECTION OF
	CH=CABINET HEATERNTS=NOT TO SCALECL=CLOSETCLG=CEILINGOA=OUTSIDE AIRCO=CARBON MONOXIDEOC=ON CENTERCOL=COLUMNOD=OUTSIDE DIAMETER	PROTECT WORKMEN, OCCUPANTS AND THE PUBLIC FROM INJURY AND ADJOINING PROPERTY SHALL BE PROTECTED FROM DAMAGE BY USE OF SCAFFOLDING, UNDERPINNING OR OTHER APPROVED METHOD. THE CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM HIS OPERATIONS IN KIND TO THE SATISFACTION	CAREFULLY EXAMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING BIDS. NOT ALL EXISTING CONDITIONS HAVE BEEN IDENTIFIED ON DRAWINGS. CONTRACTOR SHALL NOTIFY ARCH. & ENGR. OF ALL DISCREPANCIES PRIOR TO SUBMITTING BID.	
	CONSTR=CONSTRUCTIONOPG=OPENINGCONT=CONTINUOUSCORR=P-#=PUMPCTR=CENTERCONVECTORR=RISER	<ul> <li>OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.</li> <li>5. CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN, DEBRIS FREE CONDITION. THE DUST RESULTING FROM REMOVALS SHALL BE CONTROLLED SO AS TO PREVENT ITS SPREAD TO OCCUPIED PORTIONS</li> </ul>	<ol> <li>ALL BIDDERS SHALL ALSO FAMILIARIZE THEMSELVES WITH THE MEANS OF ENTRANCE AND EXIT AT THE PROPERTY AND ALL OTHER INFORMATION NECESSARY TO PROPERLY CARRY OUT THE WORK.</li> <li>THE CONTRACTOR SHALL, WITH THE APPROVAL OF THE ENGINEER</li> </ol>	===== OR  W'' X D'' = INDICATES HARD DUCT WITINSIDE CLEAR WIDTH & DEFOR W'' X D'' = INDICATES HARD DUCT (DIF& DEPTH)
4	RA=RETURN AIRDET=DETAILRAD=RADIUSDIA=DIAMETERRAG=RETURN AIR GRILLEDIM=DIMENSIONRAR=RETURN AIR REGISTERDN=DOWNRM=ROOM	<ul> <li>OF THE BUILDING AND TO AVOID CREATION OF A NUISANCE IN THE SURROUNDING AREA.</li> <li>6. CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES, APPROVALS, ETC. PRIOR TO COMMENCING WORK AND SHALL</li> </ul>	AND WITHOUT ADDITIONAL COST TO THE OWNER, MAKE ALL NECESSARY CHANGES OR MODIFICATIONS TO LOCATIONS AS MAY BE NECESSARY TO SUIT REQUIREMENTS AND CONDITIONS FOR THE PROPER AND CONVENIENTLY ACCESSIBLE LOCATIONS OF ALL PARTS OF EACH SYSTEM.	Ø"                                  = INDICATES FLEXIBLE DUCT DIAMETER; LENGTH NOT TO
	DSD = DUCT SMOKE DETECTOR RTU = ROOF TOP HV/HVAC UNIT DWG = DRAWING EA = EACH SAD = SUPPLY AIR EAR = EXHAUST AIR REGISTER SAG = SUPPLY AIR GRILLE	<ul> <li>SECURE CERTIFICATE OF OCCUPANCY UPON COMPLETION OF WORK.</li> <li>7. CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OFF SITE IN AN APPROVED MANNER. THE OWNER SHALL BE CONSULTED PRIOR TO DISPOSAL OF ANY SALVAGED</li> </ul>	9. SMALL DETAILS ARE NOT USUALLY SHOWN OR SPECIFIED BUT ALL MATERIALS & COMPONENTS NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OR WORK SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST.	Image: Supply in the supply
5	EF=EXHAUST FANSAR=SUPPLY AIR REGISTERELEC=ELECTRICSD=SMOKE DETECTORENGR=ENGINEER (ING)SECT=SECTIONEQ=EQUALSPEC=SPECIFICATIONEQUIP=EQUIPMENTSTD=STANDARD	<ul> <li>OR EXCESS MATERIALS AT THE COMPLETION OF THE PROJECT.</li> <li>8. UPON COMPLETION OF WORK, ALL EXCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.</li> </ul>	10. THE CONTRACTOR SHALL NOTE THAT ALL SERVICE CONNECTIONS MAY NOT BE SHOWN IN TRUE POSITIONS. EACH BIDDER IS CAUTIONED, THEREFORE, TO VERIFY SAME WITH FIELD CONDITIONS.	DSD/AD = DUCT SMOKE DETECTOR W FD/AD = FIRE DAMPER WITH ACCES
	ERS/ERU = ENERGY RECOVERY SYSTEM STG = STORAGE (UNIT) (E)/EXIST = EXISTING TG = TRANSFER AIR GRILLE TOD = TOP OF DUCT EAL = ERESH AIR INTAKE TYP = TYPICAL	<ol> <li>9. ALL WORK SHALL BE SCHEDULED IN COMPLIANCE WITH THE OWNER'S REQUIREMENTS FOR THE USE OF THE EXISTING FACILITY.</li> <li>10. CONTRACTOR SHALL EURNISH ALL EQUIPMENT THAT MAY BE REQUIRED</li> </ol>	<ol> <li>CONTRACTOR SHALL CHECK FOR INTERFERENCE AND VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OR INSTALLATION OF PIPING AND DUCTWORK.</li> <li>IF AN ITEM OF FOUIPMENT OTHER THAN THE ITEM(S) SPECIFIED IS</li> </ol>	FSD/AD = FIRE/SMOKE DAMPER WITH VD = VOLUME DAMPER BDD = BACK DRAFT DAMPER
	FC=FLEXIBLE CONNECTIONFCU=FAN COIL UNITUH=UNIT HEATERFD=FIRE DAMPERUTIL=UTILITY ROOMFF=FINISHED FLOORUV=UNIT VENTILATORFL P-FL OOP-FL OOP	<ul> <li>10. CONTRACTOR SHALL PORTIONALE EQUITMENT IN A MUCH DE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER, AND AS NECESSARY FOR A PROPER OPERATIONAL SYSTEM.</li> <li>11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND TEMPORARY SUPPORT OF ANY UTILITIES ENCOUNTERED DURING THE</li> </ul>	APPROVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COST ARISING OUT OF ADDITIONAL OR CHANGED GENERAL CONSTRUCTION AND MECHANICAL WORK REQUIRED TO ACCOMMODATE THE SUBSTITUTED EQUIPMENT.	M     =     MOTORIZED DAMPER       T     =     INDICATES NEW WALL MOUTONIZED
6	FSD = FIRE/SMOKE DAMPER V = VENT PIPING FTR = FINNED TUBE RADIATION VAV = VARIABLE AIR VOLUME BOX VD = VOLUME DAMPER GA = GAUGE VFD = VARIABLE FREQUENCY DRIVE GALVANIZED VIE = VERIEV IN FIELD	<ul> <li>12. CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS. CONDITIONS AND FLEVATIONS PRIOR TO COMMENCING.</li> </ul>	<ol> <li>ALL EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS AND RECOMMENDATIONS.</li> <li>CONTRACTOR TO SUBMIT SIX (6) SETS OF DUCT AIR LEAKAGE TESTING REPORT FOR REVIEW.</li> </ol>	$CO2 = CO_2 SENSOR$ $-++++++ = INDICATES EXISTING TO BE$ $ = REFRIGERANT PIPING$
	GPM = GALLONS PER MINUTE W/ = WITH W/O = WITHOUT WMS = WIRE MESH SCREEN WT = WIFICUIT	WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND ADDRESS ALL QUESTIONS TO ARCHITECT/ENGINEER PRIOR TO COMMENCING WORK.	<ul> <li>15. PROVIDE ONE SET OF SPARE FILTERS FOR ALL INSTALLED HV/HVAC UNITS.</li> <li>16. PROVIDE TWO YEAR MAINTENANCE CERVICE FOR ALL INSTALLED</li> </ul>	—=HOT WATER SUPPLY=HOT WATER RETURN
	WI = WEIGHI	<ol> <li>CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FILLING AND CLEANING UPON COMPLETION OF WORK.</li> <li>CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS. ALL WRITTEN OR DIMENSIONED INFORMATION TAKES PRECEDENCE OVER THE DRAWING</li> </ol>	16. PROVIDE TWO YEAR MAINTENANCE SERVICE FOR ALL INSTALLED HV/HVAC/MECHANICAL SYSTEMS. THIS INCLUDES A MINIMUM OF THREE PERIODIC SERVICE VISITS TO INSPECT, TEST & CHECK ALL COMPONENTS OF HVAC/HV UNITS AND ANY ADDITIONAL VISITS REQUIRED IF ANY HVAC/HV UNIT FAILS. ALL NECESSARY BELT AUGMENTS, PROPER OPERATIONS OF ALL DAMPERS, ETC IS	
7	<b>GENERAL CONSTRUCTION NOTES</b> 1. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE CUTTING OF ALL WALLS, FLOORS, CEILING	<ul> <li>15. CONTRACTOR SHALL SUBMIT, WHERE REQUIRED BY THE ARCH/ENGR, SHOP DRAWINGS AND SUBMITTALS FOR APPROVAL PRIOR TO THE START OF FABRICATION OF THOSE ITEMS. THIS INCLUDES ALL EQUIPMENT, SCHEMATIC DUCTWORK AND PIPING LAYOUT, BOILER</li> </ul>	<ul> <li>17. PROVIDE FIRE DAMPERS/ACCESS DOORS AT ALL DUCT PENETRATIONS THROUGH CORRIDORS, SLABS AND OTHER RATED PARTITIONS, IRRESPECTIVE OF WHETHER IT IS INDICATED ON THE</li> </ul>	= PROJECT NORTH
	ETC. FOR ALL PIPE & DUCT PENETRATIONS. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING HOLES IN ROOF FOR EQUIPMENT AND DUCTWORK AND PROVIDING ROOF/FLOOR/WALL STRUCTURAL SUPPORT. GENERAL CONTRACTOR SHALL PROVIDE BLOCKING, ROOFING, DUNNAGE.	ROOM LAYOUT, ETC. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL EQUIPMENT ETC WILL FIT (WITH PROPER MAINTENANCE CLEARANCES) AT ALL LOCATIONS. REVIEW OF SHOP DRAWINGS/SUBMITTALS BY THE ARCH/ENGR DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING THE CURRENT MODEL NUMBERS.	<ul> <li>DRAWINGS OR NOT.</li> <li>18. PROVIDE FIRE STOPPING AROUND ALL OPENINGS FOR DUCT, PIPING, CONDUIT, ETC. PENETRATIONS THROUGH CORRIDORS, SLABS AND OTHER RATED PARTITIONS.</li> </ul>	CLOSET = ROOM NAMEROOM NUMBER = REVISION
8	2. MECHANICAL CONTRACTOR IS REQUIRED TO PATCH (TO MATCH EXISTING), IMMEDIATELY AFTER REMOVAL, ALL WALL, FLOOR & CLG. OPENINGS WHERE EXISTING PIPE, PNEUMATIC LINES, DUCT, UNIT VENTILLATORS, BASEBOARDS, ETC. ARE BEING REMOVED. SEAL OPENING WITH 3 HOUR FIRE BARRIER CAULK. SEE GENERAL LOCATIONS ON MECHANICAL DEMOLITION PLAN.	TYPE, & FEATURES OF ALL EQUIPMENT'S & MATERIALS. 16. CONTRACTOR SHALL PROVIDE THE OWNER AND ARCHITECT WITH CERTIFICATES OF INSURANCE PRIOR TO STARTING THE WORK.	19. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND RESTORATION OF AREAS OF MECHANICAL REMOVALS.	NUMBER B = ELEVATION
	<ol> <li>MECHANICAL CONTRACTOR TO REFER TO MECHANICAL DRAWINGS FOR PAINTING OF DUCTWORK, FURNISHING AND INSTALLING ACCESS PANELS, CUTOUT LOCATIONS, ETC.</li> <li>ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING &amp; RELOCATING EXISTING ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING &amp; RELOCATING EXISTING</li> </ol>	17. CONTRACTOR SHALL SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF EXISTING STRUCTURES AS NEEDED TO COMPLETE THE NEW WORK.	<ol> <li>MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONTAINER SERVICES AND LABOR TO KEEP THE BUILDING FREE OF DEBRIS.</li> <li>CONTRACTOR TO THOROUGHLY CLEAN ALL EXISTING DUCTWORK WHICH IS TO REMAIN (TOILET EXHAUST, SUPPLY, RETURN AND</li> </ol>	SHEET $A-9$ = SECTION/DETAIL 
	<ol> <li>GENERAL CONTRACTOR SHALL REMOVE EXISTING CEILING TILES AND CEILING GRID TO ACCOMMODATE THE INSTALLATION OF NEW UNITS, PIPING &amp; DUCTWORK. RE-INSTALL ALL</li> </ol>	18. ALL MANUFACTURER'S MATERIALS, COMPONENTS, FASTENERS, ASSEMBLIES, ETC. SHALL BE HANDLED AND INSTALLED IN ACCORDANCE TO WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. WHERE BRAND NAMES AND MANUFACTURED PRODUCTS ARE CALLED FOR, APPROVED EQUALS WHICH MEETS	OUTDOOR AIR). PROVIDE SIX (6) COPIES OF REPORT INCLUDING COLOR PHOTOS INDICATING DUCTWORK CONDITION BEFORE & AFTER CLEANING. 22. PROVIDE NEW VOLUME DAMPERS IN EXISTING DUCTWORK	
9	<ul> <li>6. GENERAL CONTRACTOR SHALL PROVIDE ROOFING PATCH WORK AND TIE-IN FOR ALL NEW PLUMBING, MECHANICAL AND ELECTRICAL EQUIPMENT AND CONDUIT THAT PENETRATES THE</li> </ul>	APPLICABLE STANDARDS AND SPECIFICATIONS MAY BE SUBSTITUTED WITH WRITTEN PERMISSION OF THE ARCHITECT AND THE OWNER. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF	<ul> <li>(SUPPLY/RETURN/EXHAUST) WHICH IS TO BE REUSED WHERE THERE ARE NO EXISTING VOLUME DAMPERS (TYPICAL FOR ALL).</li> <li>23. CONTRACTOR TO PROVIDE NEW WALL MOUNTED THERMOSTATS IN TAMPER PROOF ENCLOSURES FOR ALL AHU'S, RTU'S, VAV BOXES.</li> </ul>	
	EXISTING ROOF. 7. MECHANICAL CONTRACTOR TO PATCH FLOORS & WALLS WHERE EXISTING THERMOSTAT & PNEUMATIC TUBING IS BEING REMOVED W/ NON-SHRINK GROUT. PAINT TO MATCH EXISTING.	PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE AND OF EQUAL OR BETTER QUALITY.	CABINET HEATERS, UV'S FCU'S, AC UNITS, ETC. IRRESPECTIVE OF WHETHER THEY ARE INDICATED ON ALL DRAWINGS OR NOT. CONTRACTOR TO INDICATE THERMOSTAT LOCATIONS ON ALL SHOP DRAWINGS.	
	<ol> <li>MECHANICAL CONTRACTOR IS RESPONSIBLE TO DEMOLISH EXISTING HOUSEKEEPING CONCRETE PADS FOR EXISTING MECHANICAL EQUIPMENT WHICH ARE TO BE DEMOLISHED AND NOT TO BE USED.</li> <li>MECHANICAL CONTRACTOR IS RESPONSIBLE TO CORE DRILL ALL WALLS, FLOORS, CEILING ETC.</li> </ol>	<ol> <li>ALL CHANGES SHALL BE REQUESTED IN WRITING AND MAY ONLY BE APPROVED IN WRITING BY THE ARCHITECT/ENGINEER AND THE OWNER PRIOR TO ANY CHANGES BEING MADE.</li> <li>THE ARCHITECT/ENCINEER HAS THE RIGHT TO BE JECT ANY DORTION.</li> </ol>	24. CONTRACTOR TO NOTE THAT BOTH DWGS. & SPECS. ARE COLLECTIVELY A PART OF BID REQUIREMENTS. IN CASE OF ANY DIFFERENCES BETWEEN VARIOUS DWGS. OR BETWEEN DWGS. & SPECS, THE MOST STRINGENT REQUIREMENT WILL PREVAIL.	
10	<ul> <li>FOR ALL PIPE CONDUIT, ETC. PENETRATIONS. SEAL OPENING WITH 3HRS FIRE BARRIER CAULK.</li> <li>10. CONTRACTORS SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO COMMENCING WORK. THE CONTRACTORS SHALL REPORT ANY DISCREPANCIES, AND ADDRESS ALL QUESTIONS TO ARCHITECT/ENGINEER PRIOR TO</li> </ul>	20. THE ARCHITECT/ENGINEER HAS THE RIGHT TO REJECT ANY PORTION OF WORK THAT IS POORLY INSTALLED, DOES NOT MEET INDUSTRY STANDARD, UNAUTHORIZED, OR WORK DONE CONTRARY TO THE THE INTENT OF THE CONTRACT DOCUMENTS. SUCH WORK SHALL BE REPLACED, REPAIRED OR REMOVED AT THE CONTRACTOR'S EXPENSE.	25. CONTRACTOR TO SUBMIT SIX (6) SETS OF OPERATION & MAINTENANCE MANUALS, INCLUDING A SUMMARY SHEET OF ALL EQUIPMENT MFRS/MODEL #/SERIAL #'S, SHOP DRAWING SUBMITTALS, WARRANTY INFORMATION, O&M MANUALS, PROJECT	
	COMMENCING WORK. 11. DOWN-TIME FOR THE TIE-IN OR SWITCHOVER SHALL BE KEPT TO A MINIMUM. COORDINATE SCHEDULE WITH THE OWNER.	21. CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND THE WORK OF HIS SUBCONTRACTORS FOR A PERIOD TWO (2) YEARS AFTER RECEIVING FINAL ACCEPTANCE AND DO ALL REPAIR WORK AND REPLACEMENT AS NECESSARY DURING THAT PERIOD AT THE CONTRACTOR'S EXPENSE.	<ul> <li>26. CONTRACTOR TO PROVIDE SIX (6) SETS AND AN ELECTRONIC COPY OF AS-BUILT DRAWINGS OF THE ENTIRE SYSTEM.</li> </ul>	
11	12. PROVIDE PIPE IDENTIFICATION TAGS ON ALL NEW & EXISTING PIPING FOR DOMESTIC WATER SYSTEMS IN BOILER ROOM, AS WELL AS DHW EQUIPMENT.	22. IN NO EVENT SHALL STRUCTURAL MEMBERS BE CUT OR DRILLED WITHOUT THE WRITTEN APPROVAL OF A LICENSED STRUCTURAL ENGINEER.	<ol> <li>27. PROVIDE PROPER IDENTIFICATION TAGS, ARROWS, AND LABELS FOR ALL EQUIPMENT INCLUDING BOILERS, PUMPS, PIPING, VALVES, ELECTRICAL PANELS, ETC.</li> <li>28. CONTRACTOR TO PROVIDE A MINIMUM OF TWO (2) TRAINING</li> </ol>	
		23. CONTRACTOR SHALL PROVIDE SAFE AND SANITARY CONDITIONS WHERE DEMOLITION AND WRECKING OPERATIONS ARE BEING CARRIED ON. WORK SHALL BE EXECUTED IN SUCH A MANNER THAT HAZARD FROM FIRE, POSSIBILITY OF INJURY, DANGER TO HEALTH AND CONDITIONS WHICH MAY CONSTITUTE A PUBLIC NUISANCE SHALL BE MINIMIZED.	SESSIONS (TWO HOURS EACH) THAT ARE TO BE VIDEOTAPED FOR THE OWNERS USE, TO OWNER'S MAINTENANCE STAFF ON PROPER OPERATION, MAINTENANCE & COMMON TROUBLE-SHOOTING GUIDELINES.	
		24. ENGINEER/OWNER MAY ASK THE CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS & SUBMITTALS OF ANY/ALL PARTS OF THIS PROJECT WHICH THE ENGINEER/OWNER DEEMS NECESSARY FOR.		

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R HANDLING UNIT AI RAINERS, ETC. TO B	ND ALL RELATED CONTROLS E REMOVED, UNLESS OTHE	S AND TRIMS INCLUDING CONTI RWISE NOTED.	ROL VALVES, SHUT-OFF	XEV.
OLISH ANY DOMES	TIC WATER PIPING, VALVES	OR ITS APPURTENANCES.		ARCHITECT
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AND REMOVE EXIS	STING CONDENSER WATER	PIPING AND SYSTEM INCLUDIN S RELATED TO THE CHILLED W	G PUMPS, VALVES, FITTINGS, ATER SYSTEM.	
AND REMOVE EXIS	STING CONDENSER WATER ORTS, MOTOR STARTERS &	PUMPS ALONG WITH ASSOCIAT DISCONNECTS, ELECTRICAL, C	TED VALVES, FITTINGS, CONTROLS, ETC.	
AND REMOVE EXIS	STING HOT WATER PIPING A ALL OTHER APPURTENANCE	ND SYSTEM INCLUDING PUMPS S RELATED TO THE HOT WATE	S, VALVES, FITTINGS, R SYSTEM.	
AND REMOVE EXIS	STING HOT WATER PUMPS A R STARTERS & DISCONNEC <sup>-</sup>	LONG WITH ASSOCIATED VALV	/ES, FITTINGS, STRAINERS, TC.	
AND REMOVE EXIS RAINERS, INSULATI	STING PLATE AND FRAME HI ION, AND ALL OTHER APPUF	EAT EXCHANGER ALONG WITH	ASSOCIATED VALVES, IEAT EXCHANGER.	UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OI THE NEW YORK STATE EDUCATION LAW THESE DOCUMENTS REMAIN
AND REMOVE EXIS	STING SHELL & TUBE HEAT ALL OTHER APPURTENANCE	EXCHANGER ALONG WITH ASS S RELATED TO THE HEAT EXCH	OCIATED VALVES, FITTINGS, IANGER.	THE EXCLUSIVE PROPERTY OF THI ENGINEER, AND MAY NOT BE USE FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
AND REMOVE EXIS	STING EXPANSION TANK ALC ORTS, ETC.	ONG WITH ASSOCIATED PIPING	S VALVES, FITTINGS,	
AND REMOVE EXIS	STING CHEMICAL FEEDER AI ORTS, ETC.	LONG WITH ASSOCIATED PIPIN	IG VALVES, FITTINGS,	
AND REMOVE EXIS	STING AIR SEPARATOR ALOI ORTS, ETC.	NG WITH ASSOCIATED PIPING V	/ALVES, FITTINGS,	
AND REMOVE EXIS ALVES, CONTROL V	STING MAKE-UP AIR UNIT AL ALVES, FITTINGS, GAUGE, S	ONG WITH WITH HOT WATER P TRAINERS, ETC.	IPING CONNECTIONS,	ering, ig, ing LLP
AND REMOVE EXIS DISCONNECTS, ELE INFORMATION.	STING COOLING TOWER ALC CTRICAL, CONTROLS, ETC.	NG WITH ASSOCIATED VALVES REFER TO ELECTRICAL DRAWI	S, FITTINGS, STRAINERS, NGS FOR DETAILED	Engine Plannir Archite Survey
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CONTRACTOR SHALL COORDINATE WITH ALL TRADES BEFORE ANY WORK IS TO BE PERFORMED. REPORT ANY DISCREPANCIES TO ENGINEER.

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DUCTWORK SHALL BE INSULATED AS PER SPECIFICATIONS.

INTERNALLY LINED DUCTWORK IS REQUIRED FOR ACOUSTICAL PURPOSES. PROVIDE 1" ACOUSTICAL LINING 25 FEET UPSTREAM AND DOWNSTREAM OF AIR-HANDLING UNITS.

ANICAL KEY NOTES	# SYMBOL INDICATES MECHANICAL KEY NOTE

CONTRACTOR TO PROVIDE AND INSTALL 24" x 24" 4-WAY CEILING CASSETTE A/C UNIT, <u>AC-A1</u>, WITHIN GRID OF ACOUSTICAL TILE CEILING WITH WALL MOUNTED THERMOSTAT. A/C UNIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PROVIDE A/C UNIT WITH VIBRATION ISOLATION AND LEAK DETECTION SYSTEM.

CONTRACTOR TO PROVIDE AND INSTALL 24" x 24" 4-WAY CEILING CASSETTE A/C UNIT, <u>AC-A2</u>, WITHIN GRID OF ACOUSTICAL TILE CEILING WITH WALL MOUNTED THERMOSTAT. A/C UNIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PROVIDE A/C UNIT WITH VIBRATION ISOLATION AND LEAK DETECTION SYSTEM.

CONTRACTOR TO PROVIDE AND INSTALL 24" x 24" 4-WAY CEILING CASSETTE A/C UNIT, <u>AC-A3</u>, WITHIN GRID OF ACOUSTICAL TILE CEILING WITH WALL MOUNTED THERMOSTAT. A/C UNIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PROVIDE A/C UNIT WITH VIBRATION ISOLATION AND LEAK DETECTION SYSTEM.

CONTRACTOR TO PROVIDE AND INSTALL CONCEALED CEILING HUNG A/C UNIT, <u>AC-B</u>, ABOVE ACOUSTICAL TILE CEILING WITH WALL MOUNTED THERMOSTAT. A/C UNIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PROVIDE A/C UNIT WITH VIBRATION ISOLATION, SECONDARY DRAIN PAN, CONDENSATE PUMP, AND LEAK DETECTION SYSTEM.

CONTRACTOR TO PROVIDE AND INSTALL CONCEALED CEILING HUNG A/C UNIT, <u>AC-C</u>, ABOVE ACOUSTICAL TILE CEILING WITH WALL MOUNTED THERMOSTAT. A/C UNIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PROVIDE A/C UNIT WITH VIBRATION ISOLATION, SECONDARY DRAIN PAN, CONDENSATE PUMP, AND LEAK DETECTION SYSTEM.

CONTRACTOR TO PROVIDE AND INSTALL FLOOR-MOUNTED VERTICAL A/C UNIT, <u>AC-D</u>, INSIDE NEW MECHANICAL CLOSET WITH WALL MOUNTED THERMOSTAT. PROVIDE WITH RETURN AIR PLENUM BOX UNDERNEATH OF UNIT. 28x24 RETURN AIR DUCTWORK SHALL BE ROUTED FROM PLENUM BOX AND TERMINATE UPWARDS 36" AFF. PROVIDE A/C UNIT WITH VIBRATION ISOLATION, DRAIN PAN, CONDENSATE PUMP, AND LEAK DETECTION SYSTEM.

OUTSIDE AIR BRANCH DUCTWORK TO DIFFUSERS LOCATED THROUGHOUT THE FLOOR.

48x24 EAR DUCTWORK TRANSITIONS TO 26"x26" AND UP THRU ROOF.

24x36 EAR DUCTWORK UP THRU ROOF.

PROVIDE AND INSTALL SLEEVE AND SEAL DUCT PENETRATION PER FIRE PARTITION DUCT PENETRATION REQUIREMENTS OF NYSMC SECTION 607.5.3 EXCEPTION 3. DUCTWORK SHALL BE CONSTRUCTED OF 23 GAUGE STEEL OR GREATER.

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1.	CONTRACTOR TO PROVIDE AND INSTALL ONE-WAY CEILING CASSETTE A/C UNIT, <u>AC-E</u> , WITHIN GRID OF ACOUSTICAL TILE CEILING WITH WALL MOUNTEI PROVIDE A/C UNIT WITH LEAK DETECTION SYSTEM.
2.	CONTRACTOR TO PROVIDE AND INSTALL ONE-WAY CEILING CASSETTE A/C UNIT, <u>AC-F</u> , WITHIN GRID OF ACOUSTICAL TILE CEILING WITH WALL MOUNTEI PROVIDE A/C UNIT WITH LEAK DETECTION SYSTEM.
3.	CONTRACTOR TO PROVIDE AND INSTALL ONE-WAY CEILING CASSETTE A/C UNIT, <u>AC-G</u> , WITHIN GRID OF ACOUSTICAL TILE CEILING WITH WALL MOUNTE PROVIDE A/C UNIT WITH LEAK DETECTION SYSTEM.
4.	CONTRACTOR TO PROVIDE AND INSTALL ONE-WAY CEILING CASSETTE A/C UNIT, <u>AC-H</u> , WITHIN GRID OF ACOUSTICAL TILE CEILING WITH WALL MOUNTE PROVIDE A/C UNIT WITH LEAK DETECTION SYSTEM.
5.	CONTRACTOR TO PROVIDE AND INSTALL WALL-MOUNTED A/C UNIT, AC-I. A/C UNIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PROVIDE A/C UN
6.	CONTRACTOR TO PROVIDE AND INSTALL EXTERIOR WALL-MOUNT A/C UNIT, <u>WPAC</u> ON THE EXTERIOR WALL. UNIT SHALL CONNECT INTO EXISTING DUCT UNDER UNIT. MOUNT UNIT TO EXTERIOR WALL USING BUILT IN SIDE WALL MOUNTING BRACKETS. FLASH AND SEAL EXTERIOR WALL AROUND UNIT.
7.	CONTRACTOR TO PROVIDE AND INSTALL DUCTED CONCEALED CEILING UNIT, <u>AC-J</u> , ABOVE THE CEILING IN THE ATTIC WITH WALL MOUNTED THERMOST PROVIDE UNIT WITH LEAK DETECTION. PROVIDE UNIT WITH (3) 8" OUTLET ZONING DAMPER BOX.
8.	CONTRACTOR TO PROVIDE AND INSTALL DOAS-2 IN THE ATTIC. UNIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PROVIDE UNIT WITH SECOND

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CONTRACTOR SHALL VERIFY IN FIELD EXACT DUCT ROUTING AND CONNECTIONS. CONTRACTOR SHALL COORDINATE WITH ALL TRADES BEFORE ANY WORK IS TO BE PERFORMED. REPORT ANY DISCREPANCIES TO ENGINEER.

ALL NEW DUCTWORK SHALL BE PROPERLY SECURED AS PER MECHANICAL SPECIFICATIONS.

ALL DUCTWORK SHALL BE SUPPORTED TO BUILDING STRUCTURE.

SHEET METAL DUCTWORK DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS.

DUCTWORK SHALL BE INSULATED AS PER SPECIFICATIONS.

INTERNALLY LINED DUCTWORK IS REQUIRED FOR ACOUSTICAL PURPOSES. PROVIDE 1" ACOUSTICAL LINING 25 FEET UPSTREAM AND DOWNSTREAM OF AIR-HANDLING UNITS.

### MECHANICAL KEY NOTES

# SYMBOL INDICATES MECHANICAL KEY NOTE

PROVIDE AND INSTALL AIR-COOLED CONDENSING UNIT, <u>ACCU</u>, ON ROOF CURB SUPPORT. CONTRACTOR TO MAINTAIN ALL ACCESS CLEARANCES. ROUTE LIQUID AND SUCTION REFRIGERANT PIPING TO A/C UNITS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. CONTRACTOR TO PROVIDE VIBRATION ISOLATION.

ALL REFRIGERANT PIPING SHALL BE INSULATED AND SUPPORTED AS PER MANUFACTURER'S RECOMMENDATIONS/SPECIFICATIONS WITH WEATHERPROOF JACKET. VERIFY EXACT PIPE ROUTING IN THE FIELD.

CONNECT NEW 1" GAS PIPING TO THE EXISTING GAS PIPING.

4. REFER TO SHEET M0.01 FOR OUTDOOR DUCTWORK SPECIFICATIONS.

PROVIDE AND INSTALL <u>DOAS-1</u> ON ROOF CURB SUPPORT. REFER TO STRUCTURAL DWG'S FOR SUPPORT OF UNIT UNDER THE ROOF. CONTRACTOR SHALL MAINTAIN ALL ACCESS CLEARANCES AND PROVIDE VIBRATION ISOLATION.

NEW REFRIGERANT PIPING & INTERLOCKED WIRING DN IN NEW PITCH POCKET TO RESPECTIVE AC UNITS. REFER DWG. M2.04 FOR CONTINUATION. REFER ARCH. DWG. FOR PITCH POCKET DETAIL & ADD'L INFO.

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L NEW & EXISTING WAI -BJ-5001 (2HR RATING)	L/FLOOR OPENINGS SHALL BE PA FOR ALL PIPE/CONDUIT WALL PEI	ATCHED. USE UL FIRE STOPP NETRATIONS.	PING SYSTEM		ARCHITECT	
ING LAYOUT IS SHOW	N IS DIAGRAMMATIC FOR CLARITY	(PURPOSES.			ED	

HANICAL KEY NOTES	#	SYMBOL INDICATES MECHANICAL KEY NOTE

CONTRACTOR TO PROVIDE AND INSTALL 8-PORT HEAT RECOVERY UNIT, BSU-A, TO SERVE THE ADMIN/OFFICE A/C UNITS. UNIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PROVIDE DRAIN PAN AND BALL SHUT-OFF VALVES FOR EACH PORT TAKE-OFF.

ALL REFRIGERANT PIPING SHALL BE INSULATED AND SUPPORTED AS PER MANUFACTURER'S RECOMMENDATIONS/SPECIFICATIONS. PROVIDE WEATHERPROOF JACKET FOR PIPING LOCATED OUTSIDE. VERIFY EXACT PIPE ROUTING IN THE FIELD. EACH LINE REPRESENTS ONE (1) REFRIGERANT CIRCUIT (LIQUID & SUCTION) FROM THE AIR-COOLED CONDENSING UNITS. REFRIGERANT PIPING AND WIRING SHALL BE LOCATED ABOVE THE HUNG CEILING. THIS IS SCHEMATIC PIPING LAYOUT FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR EXACT PIPE SIZES & ROUTING.

NEW LIQUID, SUCTION GAS, AND HP/LP GAS REFRIGERANT PIPING & INTERLOCKING WIRING ABOVE CEILING FROM BRANCH SELECTOR BOX, BSU-A, TO RESPECTIVE ACCU ON ROOF. THIS IS SCHEMATIC PIPING LAYOUT FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR EXACT PIPE SIZES & ROUTING.

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1	PACKAGED ROOFTOP DOAS WITH ENERGY RECOVERY SCHEDULE	Eng'r. Nos. 0018867 Date 2/3/23 Checked TW
	BUILINE AS STANDARD, OR APPROVED EQUAL)         GAS HEATING COIL       DX COOLING COIL         SUPPLY FAN DATA       POWER EXHAUST FAN DATA       ELECTRICAL DATA	Drawn SS
2		EXP. 06/30/24
	ADMIN BUILDING         ROOF         4,000	<b>R.A.</b> No. 030220-1
3	NOTES: 1. PROVIDE HINGED ACCESS DOORS. 2. PROVIDE VPD'S ON ALL SUPPLY AIR FANS. VFD'S SHALL BE FACTORY INSTALLED AND WIRED. 3. ALL MOTORS SHALL BE PROVIDED WITH SINGLE PROVIDED WITH NEW CONNECTION. PROVIDE UNIT WITH DISCONNECT SWITCH AND INTEGRAL CONVENIENCE RECEPTACLE. 4. UNIT STALL BE PROVIDED WITH NEW DDC CONTROLS BY MANUFACTORE TO THE INTO THE NEW BMS. 5. ALL NEW DOAS UNITS TO BE PROVIDED WITH NEW DDC CONTROLS BY MANUFACTORET OT THE INTO THE NEW BMS. 6. REFER TO STRUCTURACTOR TO PROVIDE DUICT SMOKE DETECTORS IN RETURN AIR DUART MIST FOR DOAS. 9. INTERNOLS ONDS WITH NEW DORS FOR DEFAILS ON SUPPORTS. 10. PROVIDED STRUCTURAL DRAWINGS FOR DETAILS ON SUPPORTS. 10. PROVIDED INTERNAL SPIRE VIBRATIONS ON THE FAN SECTION, STEEL EQUIPMENT SUPPORT RALS WITH ELASTOMERIC VIBRATION ISOLATION PAD UNDER ENTIRE SUPPORT BASE. PROVIDE DISCONNECT SWITCH, WALL MOUNTED PROGRAMMABLE THERMOSTAT, DOUBLE WALL CONSTRUCTION WITH PERFORATED INNER WALL FOR FAN SECTION, ACCESS DOORS, HIGH EFFICIENCY MOTORS, HOT GAS REHEAT.	LAD POTIYEVSKY, REGISTERED ARCHITECT License
4	SPLIT-INDOOR HEAT PUMP DOAS WITH ENERGY RECOVERY SCHEDULE	
	Area Area Area Area Area Area Area A	ADDENDUM 1 7/14/23
5	Image: A marking and marking and a markin	
6	ADDITES: 1. FORVIDE HINGED ACCESS DOORS. 2. FROVIDE HINGED ACCESS DOORS. 3. ALL MOTORS SHALL GE FACTORY INSTALLED AND WIRED. 4. UNIT SHALL GE PROVIDED WITH SINCE PROVIDE UNIT WITH DISCONNECT SWITCH AND INTEGRAL CONVENIENCE RECEPTACLE. 5. ALL MOTORS SHALL GE PROVIDED WITH SINCE PROVIDED WITH WITH DISCONNECT SWITCH AND INTEGRAL CONVENIENCE RECEPTACLE. 5. ALL NEW DOAS UNITS TO BE PROVIDED WITH NOVE CONTROLS BY MANUFACTURER. ATC CONTRACTOR TO TIE INTO THE NEW BMS. 6. REFER TO SURPTIONE SON EDUCIDING WITH HOT CAS REHEAT COLLS AND BACKUP ELECTRICHEAT. 9. INTERLOC DOAS WITH SINCE PROVIDED WITH NOT CAS REHEAT COLLS AND BACKUP ELECTRICHEAT. 9. REFER TO STRUCTURAL DASS FOR DETAILS ON SUPPORTS. PROVIDE UNIT WITH ADD SYSTEM INITIATES. 9. REFER TO STRUCTURAL DRAWINGS FOR DETAILS ON SUPPORTS. PROVIDE UNIT WITH ROOF CURB FROM MANUFACTURER. 10. PROVIDE DISTENUAL SING VIERATION SIGNATORS ON THE FAN SUPPORT RAILS WITH ELASTOMERIC VIBRATION ISOLATION PAD UNDER ENTIRE SUPPORT BASE. PROVIDE DISCONNECT SWITCH, WALL MOUNTED PROGRAMMABLE THERMOSTAT, DOUBLE WALL CONSTRUCTION WITH PERFORATED INNER WALL FOR FAN SECTION, ACCESS DOORS, HIGH EFFICIENCY MOTORS.	UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. THESE DOCUMENTS REMAIN THE EXCLUSIVE PROPERTY OF THE ENGINEER, AND MAY NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
	INDOOR VRF AC / HEAT PUMP TERMINAL UNIT SCHEDULE	351
7	Alpred Alp	f. 845-615-0
	AC-A1       9       ADMIN BUILDING       353       12       7       75       62.6       13.6       R-410A       1/2"       1/4"       1"       208 - 1 - 60       61.9       70       10.6       48.9 x 66.7 x 30.2       793       REYQ168XATJA       DAIKIN (VRV)       SEE NOTE(S) BELOW         AC-A2       1       ADMIN BUILDING       511       18       11.4       75       62.6       13.6       R-410A       1/2"       1/4"       1"       208 - 1 - 60       0.6       15       22.6 x 10.2 x 22.6       41.9       SEE NOTE(S) BELOW         AC-A2       1       ADMIN BUILDING       511       18       11.4       75       62.6       20.1       R-410A       1/2"       1/4"       1"       208 - 1 - 60       0.4       15       22.6 x 10.2 x 22.6       41.9       SEE NOTE(S) BELOW       ACU-1       ADMIN BOOE       100A, 100B, 100C, 104, 105, 83       66       95       45       208 - 3 - 60       38.1       45       12.5       48.9 x 66.7 x 30.2       72.7       REYQ96XATJA       DAIKIN (VRV)       SEE NOTE(S) BELOW	-0350
	AC-A3         A         ADMIN BUILDING         307         7.5         5.2         7.5         5.2         7.5         5.2         7.5         5.2         7.5         62.6         8.5         R-410A         1/2"         1/4"         1"         208 - 1 - 60         0.3         1.5         46.9 × 66.7 × 30.2         7.27         REFUGSIONATION         DAIKIN (VRV)         DEFUGSIONATION         DAIKIN (VRV)         DEFUGSIONATION         DAIKIN (VRV)         DEFUGSIONATION         DAIKIN (VRV)         DEFUGSIONATION         DAIKIN (VRV)         DAIKIN (VRV)         DEFUGSIONATION         DAIKIN (VRV)         DAIKIN (VRV)         DEFUGSIONATION         DAIKIN (VRV)         DAIKIN (VRV)         DAIKIN (VRV)         DEFUGSIONATION         DAIKIN (VRV)	ering, g, cture, ng LLF
0	AC-B       3       ADMIN BUILDING       742       24       15.4       75       62.6       26.9       R-410A       5/8"       3/8"       1"       208 - 1 - 60       1.8       15       39.4 x 9.6 x 31.5       82       FXSQ24TAVJU       DAIKIN       SEE NOTE(S) BELOW         AC-C       6       ADMIN BUILDING       1,130       36       23       75       62.6       39.9       R-410A       5/8"       3/8"       1"       208 - 1 - 60       1.8       15       39.4 x 9.6 x 31.5       82       FXSQ24TAVJU       DAIKIN       SEE NOTE(S) BELOW         AC-C       6       ADMIN BUILDING       1,130       36       23       75       62.6       39.9       R-410A       5/8"       3/8"       1"       208 - 1 - 60       2.5       15       55.1 x 9.6 x 31.5       101       FXSQ36TAVJU       DAIKIN       FXSQ36TAVJU       DAIKIN       SEE NOTE(S) BELOW	nginee lannin rrchite urveyi
	AC-D         2         ADMIN BUILDING         1,520         48         28.9         75         62.6         53.9         R-410A         5/8"         3/8"         3/4"         208 - 1 - 60         6.5         14.3         48.9 x 66.7 x 30.2         524.7         RXYQ96XATJA         DAIKIN (VRV)         SEE NOTE(S) BELOW	
	AC-E       6       MHRIC BUILDING       260       6.3       4.9       80       67       8.8       R-410A       1/2"       1/4"       1"       208-1-60       0.3       15       33.1 x 7.9 x 18.5       38       FXEQ07PVJU       DAIKIN       SEE NOTE(S) BELOW         AC-E       4       MHRIC BUILDING       260       6.3       4.9       95       45       208-1-60       29.1       35       43.3       35.4 x 53.0 x 12.6       224.9       RXTQ60TAVJU       DAIKIN (VRV)       SEE NOTE(S) BELOW	TES hen, Nev
	AC-F     4     MHRIC BUILDING     234     8     6.2     80     67     10.8     R-410A     1/2"     1/4"     1"     208-1-60     0.4     15     33.1 x 7.9 x 18.5     38     FXEQ09PVJU     DAIKIN     SEE NOTE(S) BELOW       AC-G     6     MHRIC BUILDING     304     10.1     7.5     80     67     13.9     R-410A     1/2"     1/4"     1"     208-1-60     0.4     15     33.1 x 7.9 x 18.5     38     FXEQ09PVJU     BELOW       AC-G     6     MHRIC BUILDING     304     10.1     7.5     80     67     13.9     R-410A     1/2"     1/4"     1"     208-1-60     0.4     15     33.1 x 7.9 x 18.5     38     FXEQ09PVJU     BELOW	CIA. Gosi
9	AC-H         1         MHRIC BUILDING         353         12.6         9.1         80         67         17         R-410A         1/2"         1/4"         1"         208 - 1 - 60         0.5         15         33.1 x 7.9 x 18.5         40         FXEQ15PVJU         DAIKIN         SEE NOTE(S) BELOW	SSO 2 Main Stre
	AC-I       3       MHRIC BUILDING       200       0.3       13       11/2       11/4       31/4       11/2       11/4       31/4       200 - 1 - 60       0.3       13       31.3 x 11.4 x 9.3       27       PARCOTPUS       DAIKIN       SEE NOTE(S) BELOW         AC-J       1       MHRIC BUILDING       300       9.5       7.8       80       67       10.5       R-410A       1/2"       1/4"       1"       208 - 1 - 60       0.6       15       21.6 x 11.8 x 27.6       55       FXMQ09BVJU       DAIKIN       SEE NOTE(S) BELOW	16 25: A <b>E</b>
10	NOTES: 1. ALL INDOOR UNITS (WALL MOUNTED OR CEILING CASSETTE) SHALL BE PROVIDED A CONDENSATE LIFT PUMP FROM THE UNIT MANUFACTURER AND FIELD INSTALLED (FOR WALL MOUNTED UNITS). 2. EACH CEILING-MOUNTED CASSETTE UNIT SHALL HAVE VARIABLE SPEED DC MOTOR, 4-WAY AIRFLOW GRILLE. 3. PROVIDE W/ WALL-MOUNTED THERMOSTATS FOR AC UNITS IN ALL ROOMS. 4. PROVIDE W/ WALL-MOUNTED THERMOSTATS FOR AC UNITS IN ALL ROOMS. 5. REFER TO DWG. FOR VIRF SYSTEM K AASSOCIATED ACCUS. REFER TO SPEC. SECTION FOR ADDITIONAL INFORMATION. 6. INTERNAL AUTOMATIC TEMPERATURE CONTROLS SHALL BE PROVIDED BY ATC CONTRACTOR. THE ATC CONTRACTOR SHALL SHIP THE DDC CONTROLS FOR ALL UNITS TO THE UNIT MANUFACTURER FOR FACTORY MOUNTING. THE ATC CONTRACTOR SHALL PROVIDE, MOUNT AND WIRE ALL EXTERNAL COMPONENTS. ALL UNITS SHALL BE TED INTO THE NEW BUILDING MANAGEMENT SYSTEM (BMS). REFER TO ATC DIAGRAMS AND SPECIFICATIONS. U	-00- 1-003-01 CHEDULES DJECTS Y BOCES AMPUS NEW YORK
	ENERGY RECOVERY VENTILATOR (RENEW AIRE AS STANDARD OR APPROVED EQUAL)	2-90-00. MICAL S APITAL PRC TER COUNT W PALTZ C & COUNTY,
	TAG     MODEL     SA (CFM)     EXHAUST AIR (CFM)     EXHAUST AIR (CFM)     EXHAUST AIR (CFM)     EXHAUST AIR (CFM)     EXHAUST AIR (CFM)     EXHAUST AIR (CFM)     EXHAUST AIR (CFM)     EXHAUST AIR (CFM)     EXHAUST AIR (°F)     EXHAUST AIR (°F)     SENSIBLE AIR (°F)     SENSIBLE SENSIBLE (FFCTIVENESS (°F)     SENSIBLE SENSIBLE (°F)     SENSIBLE SENSIBLE SENSIBLE SENSIBLE SENSIBLE (°F)     SENSIBLE	T # 62 MECH/ C, C, NE NE ULSTEF
11	ERV-1       RENEW AIRE       SL75       10       100       95/75       77.6/67.4       0/-1.8       52.2/39.9       69.6       50.1       65.3       0.5 / 0.5       0.85 / 0.85       MERV 8       35 $\frac{30.8 \times 21.3 \times 9.5}{9.5}$ 120/1/60       10       15       SEE NOTES         ERV-2       RENEW AIRE       EV PREMIUM M       120       95/75       76.66.4       0/-1.8       55.6/42.4       74.1       56.5       70.4       0.5 / 0.5       1.22 / 1.22       MERV 8       36 $\frac{22.5 \times 23.8 \times 1}{12.7}$ 120/1/60       10       15       SEE NOTES         Q       Pressure       EV       State       EV       State	SOJEC
	NOTES: 1. PROVIDE HINGED ACCESS DOORS, NON-FUSED DISCONNECT SWITCH, MOTORIZED DAMPERS. 2. ALL MOTORS SHALL BE PREMIUM EFFICIENCY TYPE. 3. PROVIDE WITH 3 kW, 208V / SINGLE PHASE ELECTRIC DUCT HEATER SHALL HAVE SEPARATE ELECTRICAL CONNECTION	Job No. 4,1342.24 File No. 4134224M601
	AND DISCONNECT SWITCH.	≨ M6.01

				G					H					J				κ					L				
	KA	GEI	) F	ROC	)FT	OF	P D	OA	\S	WI	ΤH	EN	IEF	۲G	ΥF	REC	COVE	RY	SC	CH	ED	UL	E				
D	L						SUMI	MER	ENERC	GY REC	OVERY	WHEEL	WIN	TER					S	UPPL	Y FAN I	DATA			P	'OWER	EXH
3	FACE AREA (FT²)	FACE VEL. (FT/MIN.)	APD (In. H <sub>2</sub> O)	REFRIG. TYPE	OADB (°F)	OAWB (°F)	RADB (°F)	RAW B (°F)	LADB (°F)	LAWB (°F)	OADB (°F)	OAWB (°F)	RADB (°F)	RAWB (°F)	LADB (°F)	LAWB (°F)	FILTERS	E.S.P. (In H <sub>2</sub> O)	T.S.P. (In H <sub>2</sub> O)	FAN DIA. (ln)	B.H.P.	M.H.P.	FLA	VFD	E.S.P. (In H <sub>2</sub> O)	T.S.P. (In H <sub>2</sub> O)	B.H.I
_	18.9	211.6	0.19	R410A	95.0	75.0	75.0	62.0	82.8	67.8	-1.0	-1.0	70.0	50.0	39.8	32.0	2" MERV 8 & 4" MERV 14	1.2	3.62	20	4.38	5.0	15.0	YES	0.50	-	1.8

	<u>A</u>			В		C		D		E		F		G	н		J		κ			L		м	N		0
1					V	ENTILA		NDEX	- MH		UILDING							VENTIL	ATION	INDE	X - A	DMI	NISTRA	TION BI	JILDING		
	ROOM NO.	ROO NAM	OM A	FLOOR AREA (SQ. FT.)	OCCUPANCY CLASSIFICATION	REQUIRED O.A PER SQ. FT.	REQUIRED O.A. FOR SPACE	NO. OF PEOPLE	REQUIRED O.A. PER PERSON	REQUIRED O.A FOR OCCUPANTS	TOTAL MIN. O.A. REQUIRED (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ZONE MIN. O.A. REQUIRED (CFM)	DESIGN DES O.A. E./ (CFM) (CF	IGN A. ROOM NO. M)	ROOM NAME	FLOOR AREA (SQ. FT.)	OCCUPANCY	REQUIRED O.A. PER SQ. FT.	REQUIRED O.A. FOR SPACE	NO. OF PEOPLE	REQUIRED O.A. PER PERSON	REQUIRED O.A. FOR OCCUPANTS	TOTAL MIN. O.A. REQUIRED (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ZONE MIN. O.A. REQUIRED (CFM)	DESIGN O.A. DESIGN E.A (CFM) (CFM)
	100	ENTF	RY	109	CORRIDOR	0.06	7	-		-	7	0.8	8	8	100	ENTRY	109	CORRIDOR	0.06	7	0	0	0	6.54	0.80	8	8
2	102A	CORRI	DOR	179	CORRIDOR	0.06	11	-	-	-	11	0.8	13	13	101	STORAGE	11	N/A	0.00	0	0	0	0	0.00	0.80	0	0
	102B	CORRI	DOR	253	CORRIDOR	0.06	15	-	-	-	15	0.8	19	19	102A	CORRIDOR	179	CORRIDOR	0.06	11	0	0	0	10.74	0.80	13	13
	102C	CORRI	DOR	178	CORRIDOR	0.06	11	-	-	-	11	0.8	13	13	102B	CORRIDOR	253	CORRIDOR	0.06	15	0	0	0	15.18	0.80	19	19
	103	OFFI	CE	154	OFFICE SPACE	0.06	9	1	5	5	14	0.8	18	18	102C	CORRIDOR	178	CORRIDOR	0.06	11	0	0	0	10.68	0.80	13	13
	104	WORK /	AREA	718	OFFICE SPACE	0.06	43	4	5	20	63	0.8	79	79	103	OFFICE	154	OFFICE SPACE	0.06	9	1	5	5	14.24	0.80	18	18
3	104A	ELECT	RIC	45	N/A	-	-	-	-	-	-	0.8	-	0	104	WORK AREA	718	OFFICE SPACE	0.06	43	4	5	20	63.08	0.80	79	79
	105	SERV ENTF	ICE RY	130	CORRIDOR	0.06	8	-	-	-	8	0.8	10	10	104A	ELECTRIC	45	N/A	0.00	0	0	0	0	0.00	0.80	0	0
	105B	BOILER	ROOM	63	N/A	-	-	-	-	-	-	0.8	-	0	105	SERVICE ENTRY	130	CORRIDOR	0.06	8	0	0	0	7.80	0.80	10	10
	106	STOR/	AGE	272	STORAGE	0.06	16	1	5	5	21	0.8	27	27	105B	BOILER ROOM	63	N/A	0.00	0	0	0	0	0.00	0.80	0	0
	107	TEST	ING	535	OFFICE SPACE	0.06	32	3	5	15	47	0.8	59	59	106	STORAGE	272	STORAGE	0.06	16	1	5	5	21.32	0.80	27	27
	108	TELEPH FIBER O	IONE/ PTICS	73	TELEPHONE CLOSET	г -	-	-	-	-	-	0.8	-	0	107	TESTING	535	OFFICE SPACE	0.06	32	3	5	15	47.10	0.80	59	59
4	109	COMPL	JTER	1,054	COMPUTER LAB	0.06	63	4	5	20	83	0.8	104	104	108	TELEPHONE/ FIBER OPTICS	73	TELEPHONE CLOSET	0.00	0	0	0	0	0.00	0.80	0	0
	112	COFF	EE	64	COFFEE STATIONS	0.06	4	2	5	10	14	0.8	17	17	109	COMPUTER ROOM	1054	COMPUTER LAB	0.06	63	4	5	20	83.24	0.80	104	104
	113	CLA	4	429	OFFICE SPACE	0.06	26	2	5	10	36	0.8	45	45	110	WOMEN'S WC	57	TOILET	0.00	0	0	0	0	0.00	0.80	0	100 100
	114	OFFICE	AREA	249	OFFICE SPACE	0.06	15	1	5	5	20	0.8	25	25	111	MEN'S WC	60	TOILET	0.00	0	0	0	0	0.00	0.80	0	150 150
	114A	OFFICE	AREA	138	OFFICE SPACE	0.06	8	1	5	5	13	0.8	17	17	112	COFFEE	64	COFFEE STATIONS	0.06	4	2	5	10	13.84	0.80	17	17
5	115	TECH A	AREA	550	OFFICE SPACE	0.06	33	3	5	15	48	0.8	60	60	113	CLA	429	OFFICE SPACE	0.06	26	2	5	10	35.74	0.80	45	45
	113A	СОМ	IM.	199	TELEPHONE CLOSET	г -	-	-	-	-	-	0.8	-	0	114	OFFICE AREA	249	OFFICE SPACE	0.06	15	1	5	5	19.94	0.80	25	25
	200	HALLV	VAY	132	CORRIDOR	0.06	8	-	-	-	8	0.8	10	10	114A	OFFICE AREA	138	OFFICE SPACE	0.06	8	1	5	5	13.28	0.80	17	17
	202	CUSTO	DIAN	29	CUSTODIAN	1.00	29	-	-	-	29	0.8	36	29 29	9 115	TECH AREA	550	OFFICE SPACE	0.06	33	3	5	15	48.00	0.80	60	60
	203	STOR	AGE	82	STORAGE	0.06	5	-	5	-	5	0.8	6	6	STOR	STORAGE	33	N/A	0.00	0	0	0	0	0.00	0.80	0	0
	204	WORK /	AREA	1,243	OFFICE SPACE	0.06	75	6	5	30	105	0.8	131	131	113A	COMM.	199	TELEPHONE CLOSET	0.00	0	0	0	0	0.00	0.80	0	0
°	204A	OFFI	CE	161	OFFICE SPACE	0.06	10	1	5	5	15	0.8	18	35	200	HALLWAY	132	CORRIDOR	0.06	8	0	0	0	7.92	0.80	10	10
	205	KITCH	IEN	211	KITCHENS (COOKING	6) 0.12	25	4	8	30	55	0.8	69	69 0	201	MEN'S WC	55	TOILET	0.00	0	0	0	0	0.00	0.80	0	100 100
	207	WORK /	AREA	1,674	OFFICE SPACE	0.06	100	8	5	40	140	0.8	176	176	202	CUSTODIAN	29	CUSTODIAN	1.00	29	0	0	0	29.00	0.80	36	29 29
	207A	OFFI	CE	243	OFFICE SPACE	0.06	15	1	5	5	20	0.8	24	24	203	STORAGE	82	STORAGE	0.06	5	0	5	0	4.92	0.80	6	6
	207B	OFFI	CE	181	OFFICE SPACE	0.06	11	1	5	5	16	0.8	20	20	204	WORK AREA	1243	OFFICE SPACE	0.06	75	6	5	30	104.58	0.80	131	131
7	207C	OFFI	CE	166	OFFICE SPACE	0.06	10	1	5	5	15	0.8	19	19	204A	OFFICE	161		0.06	10	1	5	5	14.66	0.80	18	35
	207D	OFFI	CE	180	OFFICE SPACE	0.06	11	1	5	5	16	0.8	20	20	205	KITCHEN	211	(COOKING)	0.12	25	4	8	30	55.32	0.80	69	69
	207E	OFFI	CE	136	OFFICE SPACE	0.06	8	1	5	5	13	0.8	16	16	206	WOMEN'S WC	44	TOILET	0.00	0	0	0	0	0.00	0.80	0	100 100
			I	I				<u> </u>						, I	207	WORK AREA	1674	OFFICE SPACE	0.06	100	8	5	40	140.44	0.80	176	176
									דאוחאכ						207A	OFFICE	243	OFFICE SPACE	0.06	15	1	5	5	19.58	0.80	24	24
													(STERLING	AS STANDARD)	207B	OFFICE	181	OFFICE SPACE	0.06	11		5	5	15.86	0.80	20	20
Ĭ	Т/	AG NO.	LC	OCATION	QTY. TUBE SIZ	ZE FIN SIZE	FIN PER FT.		BTU/HR-	-FT MBH E	WT (°F) LWT (°F)	GPM MODEL	& MANUFACTUR	RER REMARK	KS 207C	OFFICE	166	OFFICE SPACE	0.06	10		5	5	14.96	0.80	19	19
		FTR-1		CLA 113, CE AREA 207	4 3/4"	4.25	32	4'-0"	1,050	4.2	180 160	0.5 JVB-S2	0 STERLIN	G SEE NOT	TES 207D	OFFICE	180	OFFICE SPACE	0.06	11		5	5	15.80	0.80	20	20
		-TR-2		.ĸ⊨a 104 & 1 STING 107,	5 3/4"	4.25	32	6'-0"	1,050	6.3	180 160	.75 JVB-S2	0 STERLIN	G SEE NOT	TES 207E	OFFICE	136	OFFICE SPACE	0.06	8	1	5	5	13.16	0.80	16	16

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FTR-2 WORK AREA 207 WORK AREA 115, FTR-3 OFFICE AREA 204 & 207 7

TESTING 107, 5 3/4" 4.25 32 6'-0" 1,050 6.3 180 3/4" 160 1.0 JVB-S20 STERLING 4.25 32 10'-0" 1,050 10.5 180 NOTES: 1. ALL FTRs SHALL BE 20" H x 5-5/16" D. THE OVERALL LENGTH OF COVERS (ENCLOSURES) SHALL BE AS INDICATED ON FLOOR PLANS.

2. PROVIDE MIN. 14 GA. GALVANIZED STEEL FRONT COVER, 18 GA. FULL HEIGHT BACK PANEL, AIR VENT, END CAPS, VALVE ENCLOSURE, & WATER BRACKETS. DDC SUBCONTRACTOR TO PROVIDE DDC CONTROLS & CONTROL VALVES, & CONNECT TO BMS BY OTHERS.
 UNIT COLOR SHALL BE SELECTED BY OWNER & PROVIDE A COLOR CHART.

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	١	NA	\LL-	ΜΟ	JNTI	ED	Ol	JTI	DC	OR	AIR	C C	ΟN	DITI	ONIN	G١	UN	IT SCF	IEDI	JLE		( <u>BARD</u> AS STANDARD)
LECT	RIC HE	ATING	COIL		DX COOLING COIL SUPPLY FAN							Y FAN [	ΟΑΤΑ	FILTER	ELECTRICAL DATA		MOD	DIMENSIONS	APPROX.	MODEL		NOTES
INAL (KW)	EAT (°F)	LAT (°F)	HEAT OUTPUT (MBH)	COOLING TMBH	COOLING SMBH	EADB (°F)	EAWB (°F)	LADB (°F)	LAWB (°F)	OAT (°F) EEF	E.S.P. (In H <sub>2</sub> O	) M.H.P	. VFD	(TYPE)	V - Ph - Hz		NOP	(D x W x H) (ln.)	(Lbs)	MODEL	MANUFACTURER	NOTES
5	70	88.3	38.3	71.3	50.5	80	67	56	55	95 10	0.5	3/4	YES	PLEATED MERV 13	208 - 3 - 60	54	60	25.5 x 42 x 93	599	W72AC-B15ZNXXXX	BARD	SEE NOTE(S) BELOW

SEE NOTES

					W	'ALL	-MOl	JNT	ED	OL	JTC	000	DR	AIF	R C	ON	IDITI	ONIN	GI	UN	IT SCH	HED	ULE		( <u>BARD</u> /
74.0	AREA SERVED	SUPPLY		ELECT	RIC HEAT	NG COIL		[	DX COO	LING CO	OIL			SUPP	LY FAN	DATA	FILTER	ELECTRICAL DATA	-	MOD	DIMENSIONS	APPROX.	MODEL		NOTEO
TAG		CFM	AIR (CFM)	NOMINAL SIZE (KW)	EAT L/ (°F) (°	AT HEAT OUTPU (MBH)	T COOLING TMBH	COOLING SMBH	EADB (°F)	EAWB L (°F)	LADB L/ (°F) (	AWB OA (°F) (°F		E.S.P. (In H <sub>2</sub> O	)) M.H.F	P. VFD	(TYPE)	V - Ph - Hz		MOP	(D x W x H) (In.)	(Lbs)			
WPAC-1, 2, 3	COMPUTER ROOM 109	1900	35	15	70 88	3.3 38.3	71.3	50.5	80	67	56	55 95	5 10	0.5	3/4	YES	PLEATED MERV 13	208 - 3 - 60	54	60	25.5 x 42 x 93	599	W72AC-B15ZNXXXX	BARD	SEE NOTE(S) BELOW
NOTES: 1. PROVIDE 2. SUPPLY F	HINGED ACCESS D	OORS.																							

3. ALL MOTORS SHALL BE PREMIUM EFFICIENCY TYPE.

4. UNIT SHALL BE PROVIDED WITH SINGLE POINT POWER CONNECTION. 5. ALL NEW WPAC'S TO BE PROVIDED WITH NEW DDC CONTROLS BY MANUFACTURER. ATC CONTRACTOR TO TIE INTO THE NEW BMS.

7. REFER TO ELECTRICAL PLANS FOR DETAILS ON EQUIPMENT POWER.
 8. ELECTRICAL CONTRACTOR TO PROVIDE DUCT SMOKE DETECTORS IN RETURN AIR DUCT MAINS FOR ALL WPAC'S.
 9. INTERLOCK ALL WPAC'S WITH FIRE ALARM SYSTEM. WPAC'S TO BE SHUT DOWN WHEN FIRE ALARM SYSTEM INITIATES.

10. CONDENSATE SHALL BE GRAVITY DRAINED TO THE EXTERIOR.

Chamfer Edge  $\neg$ 

(TYP.)

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NYSEL	H H H H H H H H H H H H H H H H H H H	ROJECT # 62-90-00-00- 1-003-016				
ME	Job No. 4.1	MECHANICAL SCHEDULES	Engineering, Planning,	UNAUTHORIZE ADDITIONS TO A VIOLATIONS TO A VIOLATIONS TO A VIOLATIONS TO A VIOLATIONS TO A VIOLATIONS TO THE EXCLUSINE ENGINEER, ANN FOR ANY PUL WITHOUT THE OF TH	VLAD POTIYEVSKY, R.A.	NY Certificat Eng'r. Nos. Date Checked
<b>5.02</b>	342.24	CAPITAL PROJECTS ULSTER COUNTY BOCES NEW PALTZ CAMPUS	Architecture, ASSOCIATES Surveying LLP	ED ALTERATIONS ( DENDUM 1 14/23 ED ALTERATIONS ( DENDUM 1 14/23 ED ALTERATIONS ( DENDUM 1 F SECTION 7209 F STATE EDUCATION F SECTION 7209 F WINTER CONSE E PROPERTY OF D MAY NOT BE U ENOSE WHATSOEV WRITTEN CONSE HE ENGINEER.	Title REGISTERED ARCHITECT LICense No. 030220-1   EXP. 06/30/24	te of Authorizati 001886 2/3/2 TW
)	12	ULSTER COUNTY, NEW YORK	252 Main Street, Goshen, New York 10924 t. 845-615-0350 f. 845-615-0351	OR S OF JAIN THED TER NT		on 7 23

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	G	н	J	к		L	
	Lighting	g			Abbreviations		
LMAGNETIC	SYMBOL I			).	@ AT A AMPERE	ETR EXISTI ER EXISTI	NG TO REMAIN
D OTHERWISE)		<u>EMERGENCY LIGHTING</u> - HATCHING IN EMERGENCY BACKUP. (POWERED BY EMERGENCY LUMINAIRES WILL BE DE DESIGNATION.	NDICATES LIGHTING WITH 90 MIN ' BATTERY, INVERTER, OR GENERATO ESIGNATED WITH AN "EM" IN THEIR TY	DR).       Al /PE      Al	MP AMPERE BV ABOVE NF AMP FRAME FC ABOVE FINISHED CEILING	EQUIP EQUIP EWC ELECTI COOLE (EX) EXISTII BEMOV	R R NG TO BE
D OTHERWISE)	$\begin{bmatrix} A \\ 3 \\ a \\ 3 \end{bmatrix} = \begin{bmatrix} A \\ 3 \end{bmatrix} = \begin{bmatrix} A \\ 3 \\ 3 \end{bmatrix} = \begin{bmatrix} A $	RECESSED MOUNTED CEILING LUMIN CEILING TYPE IN THE FIELD. DESIGNATIONS (TYPICAL ALL FIXTUI "A" - INDICATES LUMINAIRE DESIGNA SCHEDULE FOR ADDITIONAL INI "3" - INDICATES BRANCH CIRCUIT	<b>VAIRE</b> - CONFIRM FIXTURE TRIM WITH RES): ATION, REFER TO LIGHT FIXTURE FORMATION.	A Al A A A	FF ABOVE FINISHED FLO FG ABOVE FINISHED GRA IC AMPERE INTERRUPTI CAPACITY AL ALUMINUM LT ALTERNATE M AMMETER	OR F FUSED DE FA FIRE AI NG FBO FURNIS FD FEEDE FDR FEEDE FHC FIRE H FI FILM IL	(D) .ARM SHED BY OWNE R DUCT R OSE CABINET LUMINATOR
WITH COPPER WINDINGS. _ REQUIREMENTS.	<b>о [] 3</b> юң] ;	<b>SURFACE MOUNTED CEILING LUMINA</b> CEILING TYPE IN THE FIELD. WALL MOUNTED LUMINAIRE - CONFIF FIXTURE SCHEDULE AND/OR ARCHITE	AIRE - CONFIRM FIXTURE TRIM WITH RM MOUNTING HEIGHT WITH LIGHT ECTURAL PLANS.		NUN ANNUNCIATOR NT ANTENNA RCH ARCHITECT AS AMMETER SWITCH AT AMP TRIP TC AUTOMATIC	FL FLOOR FLUOR FLUOR FS FLOW FUT FUTUR EGC EQUIPI	ESCENT 3WITCH E MENT GROUND
ING		<b>NALL &amp; CEILING MOUNTED SINGLE F</b> NDICATES FACE SIDE. PROVIDE DIRE THE PLANS.	EACED EXIT SIGN - SHADED SIDE ECTIONAL ARROW(S) AS INDICATED O		TEMPERATURE CONTROL TS AUTOMATIC TRANSFE SWITCH	GA GAUGE GC GENER R GFI GROUN	AL CONTRACT
EURRENT RATING PERES (KAIC) ENTIAL TRANSFORMER		<b>NALL &amp; CEILING MOUNTED DOUBLE</b> NDICATES FACE SIDES. PROVIDE DIR THE PLANS. <b>DUAL HEAD EMERGENCY LIGHT</b> - WIT <b>WALL MOUNTED COMBINATION EXIT</b> SHADED SIDES INDICATES FACE SIDE	FACED EXIT SIGN - SHADED SIDES RECTIONAL ARROW(S) AS INDICATED TH 90 MINUTE (MIN.) POWER SUPPLY. SIGN/DUAL HEAD EMERGENCY LIGH ES. PROVIDE DIRECTIONAL ARROW(S)	ON B B B B B B B C C AS C	UX AUXILIARY D BUS DUCT IL BASIC IMPULSE LEVEN BD BACKBOARD KR BREAKER C CONDUIT DT CONDUIT AB CABINET	GFSC GROUN SENSIN - GND GROUN GSC SYSTE GROUN HID HIGH IN DISCHA	ID FAULT IG RELAY ID VI CIRCUIT ID CONDUCTO ITENSITY ARGE DFF-AUTOMAT
IORT TIME, TION	GENERAL NOT	NDICATED ON THE PLANS. SINGLE HEAD, POLE MOUNTED LUMI DOUBLE HEAD, POLE MOUNTED LUMI TIXTURE ANGLES AS PER PLAN. E - REFER TO LIGHT FIXTURE SCHED AIRLINK BLUE ON/OFF SWITCH-120V/	NAIRE - POLE HEIGHT AS INDICATED IINAIRE - POLE HEIGHT AS INDICATED DULE FOR ADDITIONAL FIXTURE SYMB AC	. CLS CN	/B CIRCUIT BREAKER BL CABLE CC CASEWORK CONTRACTOR KT CIRCUIT LG CEILING IBD COULD NOT BE DETERMINED	HORIZ HORIZ HP HORSE HT HEIGH HV HIGH V HVAC HEATIN AIR CO ID INSIDE ILL ILLUMI	)NTAL POWER - OLTAGE IG, VENTILATIN NDITIONING DIMENSION VATION
AS INDICATED.	S <sup>D</sup> S <sup>D</sup> S <sup>OS</sup> S <sup>Z</sup> (MS)	AIRLINK BLUE DIMMER SWITCH-1207 AIRLINK BLUE DIMMER SWITCH-1207 MODEL# ALBWS MW4B WH AIRLINK BLUE OCC SWITCH DIMMER- ALBWS MW1B OS WH DESIGNATIONS: "x" - WHEN USED, SMALL CASE LE (REFER TO FIXTURES ON PL/ CONTROLS ALL FIXTURES IN AIRLINK BLUE CEILING MOTION SENS MODEL# ALBOM OS	AC -120VAC ETTER DENOTES SWITCHING CONTRO AN). IF NOT USED, THE SWITCH I THE SPACE. GOR-120VAC		INN CONNECTION NST CONSTRUCTION INT CONTRACTOR PT CONTROL POWER TRANSFORMER CT CURRENT TRANSFORMER CU COPPER MO DEMOLITION IC DIRECT CURRENT IA DIAMETER IC DICTATION SC DISCONNECT	IMC INTERN CONDU INV INVERT JB JUNCT JUNC JUNCT KVA KILOVO KWH KILOWO LA LIGHTN ARRES LCP LOCAL LIM LINE IS MONITO	IEDIATE META IT ON BOX ON JLT-AMPERE ATT ATT-HOUR IING SURGE TER CONTROL PAN OLATION OR DNLY
ES ATS NUMBER		AIRLINK BLUE MICROWAVE SENSOR- MODEL# ALBCMWS AIRLINK BLUE DAYLIGHT SENSOR-120 MODEL# ALBCM OS DHS WHEN USED, SMALL CASE LETTER DE TO FIXTURES ON PLAN). IF NOT USED N THE SPACE.	<u>120VAC</u> <u>OVAC</u> ENOTES SWITCHING CONTROL (REFE ), THE SWITCH CONTROLS ALL FIXTUR		ST DISTRIBUTION NG DRAWING DISTRIBUTION PANEL E EMERGENCY A EACH C ELECTRICAL CONTRACTOR DP ELECTRONIC DATA PROCESSING GC EQUIPMENT GROUND CONDUCTOR EC ELECTRICAL EV ELEVATOR	LS LIMIT S LT LIGHT LTG LIGHTII LV LOW V M MAIN MAX MAXIM MC MECHA CONTR MCB MAIN C MCC MOTOF CENTE MCP MOTOF PROTE	WITCH VG DLTAGE JM NICAL ACTOR IRCUIT BREAK CONTROL R CINCUIT CTOR
JAL TRANSFER SWITCH, LOCK FOR TEMPORARY N NUMBER	PC P	AIRLINK BLUE TIME KEEPER-120VAC MODEL ALBTK 120 DUTDOOR PHOTOCELL - TYPE AS IND POWER RELAY PACK - WITH POWER ZONE" INDICATES LIGHTING ZONE FC CONTROL WIRES - 0-10V "PURPLE & C 24V POWER CONDUCTORS	DICATED ON PLANS. AND 0-10V CONTROL OUTPUT OR PROGRAMMING PURPOSES GRAY"		MT ELECTRICAL METALLI TUBING ICL ENCLOSURE O ELECTRICALLY OPERATED		
AMPS NOT PHYSICALLY THIS ADDITIONAL SIDE THE EQUIPMENT MENTS OF 445.18(B)(1) PART NO. 232009. IT MANUFACTURER'S WITH (4) # 12 GENERATOR EMERGENCY ICE MUST BE CAPABLE OF NEC 110.25. GENERATOR TOP STATION		3000 SOUTHWIRE MC-PCS DUO OR EQUAL.	IAL MC CABLE - (120VAC & 0-10V) DUCTORS ((2) #12 & (1) #12 GND)	A De Equi	Rating or Setting of siz         Nutomatic Overcurrent         vice in Circuit Ahead of pment, Conduit, etc., Not         Exceeding (Amperes)       Cop         15       1         20       1         30       1         40       1         60       1	HE CONTRACTOR S FEEDERS AND C re (AWG or kcmil) Aluminum or Copper-Clad pper Aluminum* 4 12 2 10 0 8 0 8 0 8 0 8	HALL PROVIE IRCUITS IN A Rating or Settin Automatic Overcu evice in Circuit Af uipment, Conduit, Exceeding (Amp 300 400 500 600 800
HE MANUAL SHUTDOWN DF ENCLOSURE AD SHALL	Equipm	nent Naming Conven	tion	Note	100 200 : Where necessary to comply wit re ungrounded conductors are in	6 6 4 h NEC 250.4(A)(5) or (B)( creased in size, equipmer	1000 1200 4), the equipment
PANEL INFORMATION. ATE CLEARANCE. NEL SCHEDULE ON. WHEN EARANCE. :-LINE TION. WHEN EARANCE. NSFORMER DESIGNATION EARANCE. NSFORMER DESIGNATION ON XFMR SIZE). REFER TO IONAL INFORMATION. I AS NOTED ON PLAN WHEN EARANCE. 1" INDICATES ATS ; DEPENDING ON ATS INE FOR ADDITIONAL INFO. ATE CLEARANCE. AS INDICATED ON THE ME, 30A FUSES, 3 POLE). IF ID BREAKER. INSTALL IN A SE.		SUBFEED PANEL         (BLANK IF NOT A SUBFEED)         1,2,3         SEQUENCE OF PANELS OF TI         (BLANK IF ONLY ONE PANEL)         A, B, C         BUILDING FLOOR         (BLANK IF ONLY ONE FLOOR)         "SB"         "B" BASEMENT         "M" MEZZANINE         "G" GROUND FLOOR         "P" PENTHOUSE         "1" FIRST FLOOR         "2" SECOND FLOOR         BUILDING LOCATION         (BLANK IF BUILDING HAS NO I         BUILDING UOCATION         (BLANK IF BUILDING HAS NO I         BUILDING VING (A, B, C)         WING SIDE (N, S, E, W)         VOLTAGE         (BLANK IF BUILDING HAS ONE         "H" "HIGH" VOLTAGE (48         "L" "LOW" VOLTAGE (208         PANEL TYPE DESIGNATIONS         "DP" DISTRIBUTION PANE         "BP" BRANCH CIRCUIT P/         "MP" MECHANICAL LOAD I         "LP" LIGHTING PANELBO/         "KP" KITCHEN EQUIPMEN         "SP" SERVER ROOM EQU         EMERGENCY/STANDBY SYST         (BLANK FOR NORMAL POWEF         "EL" LIFE SAFETY BRANC         "EC" CRITICAL BRANCH         "ES" SENTIAL EQUIPME         "EC" OPTIONAL	HIS TYPE	A	4" ABOVE BACK SPLASH OR 6" BOVE COUNTER O O O O O O O O O O O O O O O O O O O	S TO /ICE. ALIGN WHEN MICHEVER IS LOWER 18 - 41 -	
	MPHN1(A) - 480 (SB)BPL2 - 208	)/277 MECHANICAL PANEL, NORTH WI 3/120 STANDBY BRANCH PANEL, 2nd F	ING, 1st FLOOR, 1st PANEL OF THIS TY FLOOR	PE (	E0.01 NTS		

![](_page_35_Figure_2.jpeg)

	A		B	0	D	E	F
1		Electrical Gene	ral Notes		· · ·		
		PROJECT INFORMATION: 1. UNLESS SPECIFICALLY NO UNDERSTOOD THAT WHEN ARE USED IN THESE DRAW AN ALL DECED TO THE USE	ITED OTHERWISE, IT SHALL BE N THE WORDS "OWNER" OR "CLIENT VINGS THEY ARE INTERCHANGEABI	COMPLY WITH THE INTE 6. THE CIRCUIT NUMBERS A "CONTRACTOR SHALL BE LE PHASING THE CIRCUITS	NT OF THE DRAWINGS. ARE FOR IDENTIFICATION ONLY. TH RESPONSIBLE FOR CORRECTLY IN PANELS.	2. P E C S	ROVIDE A SEPARATE NEU IRCUIT. INSTALL NEUTRAL ONDUCTORS INTO ALL SW HALL NOT SHARE A COMM
2	-	<ol> <li>WHEREVER IN THE DOCUM STATED, CON EDISON IS IN</li> <li>UNLESS SPECIFICALLY NO UNDERSTOOD THAT WHEN "ENCINEER", OR "A/F" ARE</li> </ol>	AENTS THE WORD "UTILITY" IS APLIED. TED OTHERWISE, IT SHALL BE THE WORDS "ARCHITECT",	7. EXISTING CIRCUIT DESIG a. ALL REFERENCE TO E BASED ON PREVIOUS CONTRACTOR SHALL EVENT THAT ACTUAL	GNATIONS: EXISTING CIRCUIT DESIGNATIONS IS PROJECT DOCUMENTATION. THE CONSULT THE ENGINEER IN THE CONDITIONS DO NOT COINCIDE WI	с З 3. А А ТН А	ONDUCTORS SHALL NOT E RRANGE CONNECTIONS F CHIEVE THREE PHASE LOAD VERAGE PHASE LOAD CUE
		<ul> <li>ARE INTERCHANGEABLE A ENGINEERING, PLANNING,</li> <li>4. WHERE ANY DEVICE OR PA TO IN THESE DRAWINGS IN SWITCH" "THE RECEPTACI</li> </ul>	N ALL REFER TO LAN ASSOCIATES ARCHITECTURE SURVEYING ("LAN ART OF EQUIPMENT IS REFERRED N THE SINGULAR NUMBER (E.G., "TH	<ul> <li>THE INDICATED RE-DI</li> <li>EXISTING CIRCUITS A</li> <li>b. THE TOTAL CONNECT</li> <li>PURPOSE (PROTECTE</li> <li>RE-DISTRIBUTED AS A</li> </ul>	ISTRIBUTION OR OTHER USE OF S HEREIN INDICATED. ED LOAD FOR ANY GENERAL ED AT 20A) BRANCH CIRCUIT WHICH A PART OF THIS PROJECT SHALL NO	FI 4. T 1 IS P DT P	ROM DIFFERENT PHASES. HE CONTRACTOR IS RESP ROPER PHASE ROTATION HASE ELECTRIC LOADS.
		DEEMED TO APPLY TO AS REQUIRED TO COMPLETE THE DRAWINGS.	MANY SUCH DEVICES AS ARE THE INSTALLATION AS SHOWN ON	c. ANY DEVIATION, AS M FROM THE INDICATED THIS DRAWING SET M THE CONTRACTOR TH THE ASSOCIATED SUI	IAY BE DIRECTED BY THE ENGINEE O CIRCUIT STRUCTURE SPECIFIED IN /ILL REQUIRE BOTH VERIFICATION IN HAT THE TOTAL CONNECTED LOAD	R, P N T BY W ON "E C	ERFORM A PHASE ROTATI HE EQUIPMENT. USE KNOF /ITH RED OR "A" LEAD CON 3" LEAD CONNECTED TO P ONNECTED TO PHASE C. N
3		<ol> <li>CODE COMPLIANCE IS MAN DRAWINGS AND SPECIFICA CONFORMING TO THESE C EXCEED MINIMUM CODE R DRAWINGS AND SPECIFICA</li> </ol>	NDATORY. NOTHING IN THESE ATIONS PERMITS WORK NOT CODES. WHERE WORK IS SHOWN TO EQUIREMENTS, COMPLY WITH ATIONS. WHEN DIFFERENCES IN	ABOVE SPECIFIED LIN PROJECT RECORD (A 0 8. ASSIGN MULTI-POLE CIR LOCATION NUMBER AS F SHOWN ON THE DRAWIN	AIT AND DOCUMENTATION IN THE S-BUILT) DRAWINGS. CUITS BY THE PANELBOARD OLLOWS, UNLESS OTHERWISE IGS. NOTE: SWITCHBOARDS	A M A U O	NNOTATE TEST DOCUMEN ANNER CONNECTED, ROT ND NAME OF CRAFTSMAN NLESS OBSERVED ROTAT IF THE EQUIPMENT
		UTILITY SPECIFICATIONS C ORDINANCES OR CODES C REQUIREMENTS SHALL GC 2. THE ELECTRIC INSTALLATI WITH THE CURRENTLY EN	DR STANDARDS, GOVERNMENTAL DCCUR, THE MORE STRINGENT DVERN THE INSTALLATION. ION SHALL BE IN ACCORDANCE FORCED EDITION OF THE NATIONA	POPULATED WITH ONLY HAVE A SINGLE NUMBER POSITION, WHICH SHALL a. 2-POLE CIRCUIT: USE b. 3-POLE CIRCUIT: USE	MULTI-POLE CIRCUIT BREAKERS M ASSIGNED TO EACH BREAKER BE USED AS THE CIRCUIT NUMBER THE FIRST PANELBOARD NUMBER THE MIDDI E PANELBOARD NUMBE	AY 6. C C R. S E R E	ONTRACTOR SHALL SUPP ONDUIT BOXES, FITTINGS, UPPORTS, AND MISCELLA LECTRICAL INSTALLATION LECTRICAL WORK REQUIR
4	-	ELECTRICAL CODE (NEC), I CODE (NESC), AMERICAN E INTERNATIONAL BUILDING DISABILITIES ACT (ADA), NI INSTALLATION. WHEREVER	NATIONAL ELECTRICAL SAFETY ELECTRICIANS' HANDBOOK, CODE (IBC), AMERICANS WITH FPA 55 & 99 AND NEC STANDARD O R IN THE DOCUMENTS THE WORD	<ul> <li>9. THE ELECTRICAL INSTAL DIAGRAMMATICALLY ANI ARRANGEMENT OF SYST AND ARRANGEMENTS O SWITCHBOARDS, PANEL</li> </ul>	LATION SHOWN IS REPRESENTED D INDICATES THE GENERAL TEMS AND WORK. THE LOCATIONS F EQUIPMENT, DEVICES, BOARDS, PARTITIONS, OPENINGS,	7. A	OWNER SOPPLIED EQU OMPLETED TO THE POINT RAWINGS. LL CABLES, NOT WITHIN C LARM, PA), ROUTED WITHI
		<ul> <li>"CODE" IS STATED, THE MC REFERENCED CODES IS IN</li> <li>3. ALL CONTRACTOR SUPPLI BE NEW AND UL LISTED OF NATIONALLY RECOGNIZED</li> </ul>	DRE STRINGENT OF THE ABOVE IPLIED. ED MATERIALS/EQUIPMENT SHALL R APPROVED BY ANOTHER D TESTING LABORATORY (NRTL).	ETC. ARE DESIGNED TO TO SUIT KNOWN CONDIT ARE SUBJECT TO MODIF CONDITIONS AND OTHEF EQUIPMENT. THE LOCAT	SHOW PREFERRED CONFIGURATIC TONS BUT ARE APPROXIMATE AND ICATIONS CAUSED BY STRUCTURA R EXISTING OR PROPOSED TONS ARE SUBJECT TO SUCH	NS A L E IN O	PPROPRIATE MEANS. THE ROPPED CEILING PANELS, LECTRICAL CONDUITS, ST ISULATED PIPES, OR BE R BSTRUCT ACCESS HATCH
		4. THE CONTRACTOR SHALL AND INSPECTIONS REQUIN CODES AND ORDINANCES, REGULATIONS OF ANY LEG PERMIT AND INSPECTIONS BID AND SHALL NOT BE CA	PAY FOR AND OBTAIN ALL PERMITS RED BY THE BUILDING AND SAFETY , AND THE RULES AND GAL BODY HAVING JURISDICTION. S SHALL BE INCLUDE IN THE BASE	DESIRABLE AT THE TIME ACCOMMODATE FIELD C REQUIREMENTS. CONTR OF THE DRAWINGS IN "L COORDINATE THE WORK	OF INSTALLATION IN ORDER TO CONDITIONS AND COORDINATION ACTOR SHALL FOLLOW THE INTEN AYING OUT" THE WORK AND WITH OTHER TRADES TO VERIEY	P. A V T a.	ANELS, MECHANICAL SERV ND SHALL NOT BE ROUTED ENTILATING SHAFTS, OR C . UNLESS OTHERWISE PRO SECURED AT INTERVALS
5		<ol> <li>CONTRACTOR SHALL CON OTHER REGULATIONS, ETC WORK ON THE CLIENT'S PF RESPONSIBLE TO ENSURE REGULATIONS HAVE BEEN</li> </ol>	FIRM TO ALL SAFETY RULES AND C. PERTAINING TO CONSTRUCTION REMISES. CONTRACTOR SHALL BE THAT ALL RULES AND I MET AND COORDINATE THIS WOR	SPACING CONDITIONS. C ROUGHING LOCATIONS F COORDINATION. THE CO WORK AND SHALL MAKE CHARGE.	CONTRACTOR SHALL DETERMINE REQUIRED TO EFFECT SUCH INTRACTOR SHALL COORDINATE AL SUCH CHANGES WITHOUT EXTRA	.L b.	CONTAINING FOUR OR F LARGER THAN 10 AWG S EVERY BOX, CABINET, FI TERMINATION. TYPE MC CABLE SHALL E
		<ul> <li>WITH RESPONSIBLE CLIEN</li> <li>6. ALL ELECTRICAL EQUIPME ATTACHED TO STRUCTURI STRUCTURES AND ATTACH STRUCTURES, SHALL BE A</li> </ul>	IT'S PERSONNEL. ENT AND RACEWAYS PERMANENTL' ES, INCLUDING SUPPORTING HMENTS TO NON-BUILDING NCHORED FOR SEISMIC LOADING	10. THE CONTRACT DRAWIN Y LOCATION OF ALL REQU DIAGRAMMATIC ARRANG CONDUITS, FEEDERS, C/ REFERRED TO AS "COND	IGS DEPICT THE APPROXIMATE IRED EQUIPMENT AND IF SHOWN, T GEMENT OF PIPING, RACEWAYS, ABLES, ETC, HEREIN AFTER DUIT." CONDUIT RUNS, IF SHOWN,	ΉE	ACCESS POINTS THROUG FINISHED BUILDINGS OR IMPRACTICAL; OR (B) IS N FROM THE LAST POINT C OF CONNECTION TO LUN
8	-	TO RESIST A HORIZONTAL CONTRACTOR SHALL PRO CONDUITS LARGER THAN 2 SWAY BRACES FOR COND FROM THE OVERHEAD. PR	FORCE ACTION IN ANY DIRECTION VIDE SEISMIC RESTRAINTS FOR AL 21/2" TRADE DIAMETER. PROVIDE UIT AND EQUIPMENT SUSPENDED OVIDE ANCHOR BOLTS FOR FLOOP	CLEARLY INDICATING TH CLEARLY INDICATING TH RUNS MAY DIFFER IF KEI PROVISIONS OF THESE S THAT THAT ALL MODIFIC SHOP DRAWINGS, CONT	THE INTENTION OF MOST IE PROPOSED ROUTING. ACTUAL PT WITHIN THE REQUIREMENTS AN SPECIFICATIONS, AND PROVIDING ATIONS HAVE BEEN SHOWN IN THE RACTOR RESPONSIBLE TO	D 8. A	EQUIPMENT AND THE CA ARE WITHIN AN ACCESSI FITTINGS SHALL BE PERI SUPPORT. LL CABLE TRAYS AND ELE
		AND WALL MOUNTED EQUI MEET THE REQUIREMENTS CODE (IBC) SECTIONS 1614 ELECTRICAL EQUIPMENT F	S OF INTERNATIONAL BUILDING A AND 1621 AS THEY APPLY TO FOR EARTHQUAKE LOADS.	DETERMINE CONDUIT RU ACCESS DOORS, AND O CONTRACTOR SHALL CO OTHER TRADES AND ALT INTERFERENCE. SUBMIT	JNS AND "CLEAR" PIPING, DUCTWO THER OBSTRUCTIONS AS APPLICAE OORDINATE CONDUIT WITH WORK C FER WHERE NECESSARY TO AVOID FOR APPROVAL, PRIOR TO SCALE	RK, IN BLE. O DF 9. A P <sup>1</sup> D M	IDEPENDENTLY SUPPORT F THE CEILING. LL NEW WIRING IS TO BE F OSSIBLE. ALL CONDUCTOF OUNTED METALLIC RACE\
7	-	<ol> <li>ALL EQUIPMENT SHALL BE BY THE ENGINEER/ARCHIT</li> <li>THE COST INCURRED BY T SUBSTITUTIONS SHALL BE BROOF FOR THE FOUND IT</li> </ol>	AS INDICATED OR AS APPROVED ECT. HE ACCEPTANCE OF BORNE BY THE CONTRACTOR.	INSTALLATION DRAWING NEW EQUIPMENT/DEVICI CIRCUITRY. SHOP DRAW PULL BOXES, JUNCTION AND DIMENSIONED CLEA	S SHOWING THE LOCATION OF ALL ES TO BE INSTALLED AND INDICATII (INGS SHALL INCLUDE ALL WIRING, BOXES, FITTINGS, WIRING DEVICES ARANCES FROM THE STRUCTURE A	NG R LG C ND M	ETALLIC CONDUIT IN UTILI OUTED CONCEALED IN TH OCATIONS THAT DO NOT H EILINGS WILL REQUIRE TH IETALLIC RACEWAYS. PRO
-		BY THE CONTRACTOR AND ENUMERATED WITH THE S 3. ELECTRICAL COMPONENTS CONDUCTOR SIZE, OVERC DISCONNECT SWITCHES A	DIFFERENCES SHALL BE UBMITTAL. S INCLUDING, BUT NOT LIMITED TO URRENT PROTECTION DEVICE AND RE BASED ON THE POWER	TRADES PRIOR TO SUBN 11.BEFORE THE RELEVANT SHALL PREPARE AND SL DRAWINGS DEPICTING T DIAGRAM AND EQUIPME	MISSION. WORK PROCEEDS, THE CONTRACT JBMIT FIVE (5) COPIES OF SHOP THE PROPOSED CONDUIT ROUTING NT LAYOUT, SPECIFICALLY DETAILE	E TOR 10.A C T ED A	XPOSED CABLE MAY BE IN LL OPENINGS AND PENETF OMPLETION OF THE ELEC HE SPREAD OF SMOKE AN ROUND CONDUIT AND RA(
		REQUIREMENTS OF THE EC CONTRACT DOCUMENTS. A DESIGN FEES IF REQUIRED THESE POWER REQUIREM RESPONSIBILITY OF THE C	QUIPMENT SHOWN ON THE ALL COSTS (INCLUDING ADDITIONA D) ASSOCIATED WITH CHANGES TO ENTS SHALL BE THE CONTRACTOR MAKING THE CHANGE	SHALL BE A LAYOUT OF L EQUIPMENT IN EACH ELE ALL EQUIPMENT LAYOUT DIMENSIONED. SHOP DR E. = 1'-0" AND PREFERABLY	THE SWITCHBOARD AND RELATED ECTRIC ROOM OR ELECTRIC CLOSE IS SHALL BE DRAWN TO SCALE AND AWINGS SHALL BE A MINIMUM OF 1 ' 1/4"=1'-0", DIMENSIONED, SHOWING	IN T. R D S /8" E. G IN	ITERIOR WALLS AND FLOC ESTORE ORIGINAL FIRE R EALANT. SEAL PENETRATI XTERIOR WALLS TO MAKE ISPECTION OF FIRE SEALS
8	-	<ol> <li>OBTAIN SHOP DRAWINGS / PROPER INSTALLATION OF</li> <li>CONTRACTOR SHALL BE R DEBRIS GENERATED BY HI END OF EACH WORKING D</li> </ol>	AND WIRING DIAGRAMS FOR THE RELATED ELECTRICAL WORK. ESPONSIBLE FOR THE REMOVAL C IS WORK AND WORKERS AT THE AY AND FOR GENERAL GOUD	CONSTRUCTION, SIZES, OPERATING CLEARANCE AND THE NECESSARY CO SHOP DRAWINGS WILL N COMPLETE LIST OF DEV ARCHITECT'S/ENGINEER	WEIGHTS, ARRANGEMENTS, ES, PERFORMANCE CHARACTERIST OORDINATING TRADES INVOLVED. IOT BE ACCEPTED UNLESS A IATIONS FROM 'S PROPOSED PLANS IS INCLUDED.	FI ICS PI BI IN 11.LI	COM AUTHORITY HAVING LACEMENT OF FIRE SEAL I E COORDINATED WITH THI ITERFERENCE AND OBSTR MIT THE USE OF ELECTRIC (HERE IT WILL NOT BE SUI
		SITE CONDITIONS/DRAWING O	SE CONTAINERS. <u>COORDINATION:</u> <u>PECIFICATIONS ILLUSTRATE THE</u>	EXACT LOCATION OF ALI THE FIELD AND THE CON DIMENSIONAL DATA BEF 12.ROUTING FOR FEEDERS CIRCUITS IS NOT NECES	L EQUIPMENT WILL BE DETERMINED ITRACTOR MUST SECURE EXACT ORE THE LAYOUT OF ANY WORK. , INSTRUMENTATION AND CONTROL SARILY SHOWN ON THE PLAN	D IN C R A _ D 1/	ORROSION. USE INTERME IGID GALVANIZED STEEL C RE EMBEDDED IN CONCRE AMAGE. USE MINIMUM 3/4' 2" CONDUIT MAY BE USED
9	-	RESPONSIBLE FOR THE ME SEQUENCES, AND PROCED THE SAFETY ASPECTS OF THESE DRAWINGS EXPRES CONDITION. PRIOR TO BID	EANS, METHODS, TECHNIQUES, DURES USED TO DO THE WORK, OF CONSTRUCTIONS, AND NOTHING C SSED OR IMPLIED CHANGES THIS DING AND/OR STARTING WORK THI	DRAWINGS. IF INDICATE EXPRESS THE INTENT OF ROUTING SHALL BE SUIT N BUILDING AND ESTABLIS THE INSTALLATION CON THE FIELD ALL FEEDER	D ON THE FLOOR PLANS, THEY F ROUTING. FINAL LOCATION AND ED FOR THE CONSTRUCTION OF TI SHED BY THE CONTRACTOR BASED DITIONS AND SHALL BE VERIFIED IN INFORMATION. CONDUIT TYPES AN	P M HE IN ON C I M	OWER CIRCUITS AND FOR ETAL CONDUIT MAY BE US I SUSPENDED CEILINGS. U ONDUIT FOR FLEXIBLE CO IECHANICAL ROOMS OR OF
		CONTRACTOR SHALL VISIT THE CONDITIONS UNDER V PERFORMED AND SHALL B HOW THEY AFFECT THE W CLIENT'S REPRESENTATIV	THE PROJECT SITE TO DETERMIN WHICH THE WORK IS TO BE BE RESPONSIBLE FOR KNOWING ORK. SCHEDULE SITE VISIT WITH 'ES. ADDITIONALLY, THE	E INSTALLATION REQUIRE WITH THE SPECIFICATIO APPROPRIATE PANEL SC 13. ANY CUTTING, PATCHING FOR THE INSTALLATION	MENTS SHALL BE IN ACCORDANCE NS, ELECTRICAL RISER DIAGRAM A CHEDULES. G, OR FINISH REPAIR WORK REQUIF IS THE RESPONSIBILITY OF THE	ND C ND C D RED P	WG AND LARGER THAT EN ONDUCTORS MUST BE PR URING AND AFTER INSTAL ROVIDES A SMOOTH, ROU S AN INSULATING BUSHING
		ROOM LAYOUTS. SUBMISS WORK IS AN ACKNOWLED RESPONSIBILITIES, AND TH CONSIDERED IN PLANNING NO CLAIMS OR EXTRA CHA	D VERIFY ALL SITE DIMENSIONS AN NON OF A BID TO PERFORM THIS GEMENT OF THESE HAT THEY HAVE BEEN FULLY G OF THE WORK, AND THE BID PRIC ARGES DUE TO THESE CONDITIONS	CONTRACTOR. 14. WHERE MOUNTING HEIG DIMENSIONED, INSTALL I OVERHEAD EQUIPMENT POSSIBLE. CONNECT EQ	GHTS ARE NOT DETAILED OR ELECTRICAL SERVICES AND TO PROVIDE MAXIMUM HEADROOM OUIPMENT FOR EASE OF	13.IN (N 14.A I S R	ISTALL OUTDOOR EQUIPM JEMA 3R). LL PENETRATIONS THROU EALED WATERTIGHT. PRO ACEWAYS AS MANUFACTL
10		<ul> <li>WILL BE FORTHCOMING.</li> <li>2. THE CLIENT WILL OCCUPY DURING THE ENTIRE CONS WITH THE CLIENT DURING AVOID ANY CONFLICTS. PE</li> </ul>	THE SITE AND EXISTING BUILDING STRUCTION PERIOD. COOPERATE CONSTRUCTION OPERATIONS TO ERFORM THE WORK SO AS NOT TO	DISCONNECTING WITH M INSTALLATIONS. 15. PROVIDE TEMPORARY P DURING THE ENTIRE DUI CONSTRUCTION UTILIZIN SYSTEM AS A SOURCE	NINIMUM IN LERFERENCE WITH OTH OWER AND LIGHTING AS REQUIRED RATION OF DEMOLITION AND NG THE EXISTING ELECTRICAL	ER A 15.U D A <u>WIRI</u>	PPROVED EQUAL. NDERGROUND CONDUITS WAY FOR THEM BUILDING E INFORMATION:
		INTERFERE WITH THE CLIE POWER OUTAGES WITH CL ON SUNDAYS AND HOLIDA CLIENT. 3. EXISTING PROJECT CONDI	IN I'S OPERATIONS. SCHEDULE ALL LIENT'S APPROVAL FOR OVERTIME YS AT NO ADDITIONAL COST TO TH TIONS INDICATED ARE BASED ON	ALL TEMPORARY POWER COMPLETION OF THE PR 16. WHERE CONFLICTS EXIS THE MORE COSTLY ALTE	R AND LIGHTING UPON THE ROJECT. ST, PROVIDE IN THE BID PROPOSAL ERNATIVE.	1. A E O W IN	LL WIRING SHALL BE COPP MT RACEWAY WITH APPRO THERWISE INDICATED. FE /IRING SHALL BE MINIMUM IDICATED. FEEDER AND BE
11		<ul> <li>DOCUMENTS AND EXISTING INTENDED TO INDICATE TH BY THIS PROJECT.</li> <li>4. DRAWINGS SHALL NOT BE GENERAL ARRANGEMENT</li> </ul>	G RECORD DOCUMENTS AND ARE IE SCOPE OF THE WORK AFFECTED SCALED. DRAWINGS INDICATE THE OF SYSTEMS AND REQUIREMENTS	INSTALLATION: 1. GROUNDING SHALL BE II NEC IN ACCORDANCE W BONDING REQUIREMENT ENCLOSURES. INSTALL	NSTALLED IN ACCORDANCE WITH T ITH ELECTRODE, GROUNDING AND IS FOR SERVICE, EQUIPMENT AND AN INSULATED EQUIPMENT GROUN	T A HE W F a. D ⊾	ND SMALLER, SHALL BE S ND SMALLER, SHALL BE S /IRING SHALL BE #18 AWG OLLOWS UNLESS NOTED C . THHN/THWN INSULATION
		OF THE WORK. ALTHOUGH EQUIPMENT IS DRAWN TO CONTRACTOR SHALL MAKI CONTRACT DOCUMENTS A PROJECT SITE.	I SIZE AND LOCATION OF SCALE WHEREVER POSSIBLE, E USE OF ALL DATA IN ALL OF THE AND VERIFY INFORMATION AT THE	CONDUCTOR IN EACH RA EQUIPMENT GROUND CO NEC TABLE 250.122. BON ENCLOSURES OF MOTOR OTHER ELECTRICAL EQU	ACEWAY OR CONDUIT. SIZE DNDUCTOR IN ACCORDANCE WITH ID RACEWAYS AND THE FRAMES AN RS, BREAKERS, SWITCHES, AND JIPMENT TO THE BUILDING	ID <sup>C.</sup> d.	LARGER THW USED FOR ALL PAN CONDUCTORS XHHW-2 INSULATION TYP CONDUCTORS ARE INIST
		5. THE CONTRACTOR SHALL QUANTITIES. IT SHALL BE IT TO INCLUDE ALL EQUIPME	MAKE HIS OWN TAKEOFF ON ALL HIS RESPONSIBILITY, AT HIS COST, NT AND MATERIAL IN ORDER TO	GROUNDING SYSTEM. PI ENSURE ADEQUATE GRO CONDUIT OR RACEWAY.	RECAUTION SHALL BE TAKEN TO DUND CONTINUITY ALONG THE	2. U	THE WEATHER. SE THE FOLLOWING CONE

**General Demolition Notes** TRAL CONDUCTOR FOR EACH 208Y/120V 480Y/277V GENERAL PROJECT INFO: THE DEMOLITION DRAWINGS ARE DIAGRAMMATIC AND INDICATED THE GEN CONDUCTORS AND GROUND PHASE A BLACK BROWN SCOPE. PLANS DO NOT ATTEMPT TO SHOW ALL ELECTRICAL DEMOLITION IT WITCH BOXES. MULTIPLE CIRCUITS PHASE B RED ORANGE MON NEUTRAL. NEUTRAL SHALL BE OTHERWISE NOTED, DEVICES SHOWN ARE FOR INFORMATION PURPOSES. PHASE C BLUE YELLOW HASE CONDUCTORS. NEUTRAL DEMOLITION ITEMS AND THE EXTENT OF DEMOLITION WORK, CONDITIONS U NEUTRAL WHITE GRAY BE REDUCED IN SIZE. DEMOLITION IS TO BE ACCOMPLISHED ALONG WITH KIND AND AMOUNT OF I EQUIP. GROUND GREEN GREEN REMOVED AND PROVIDE FOR REMOVAL OF ALL DEVICES ACCORDINGLY PRI FOR SINGLE PHASE CIRCUITS TO CONTRACTOR SHALL INCLUDE ALL LABOR AND MATERIALS IN THE BASE BID DAD BALANCE WITHIN 20% OF THE CIRCUIT BREAKERS: RRENT. UNGROUNDED TEMPORARY CONNECTIONS, CONDUIT AND WIRE IN ORDER TO ACCOMMOD. MMON NEUTRAL MUST ORIGINATE 1. USE 600 VAC CIRCUIT BREAKERS IN 480V AND 480Y/277V AND PROVIDE CONTINUOUS SERVICE TO DEVICES. SYSTEMS THAT ARE TO SWITCHBOARDS, PANELBOARDS AND MOTOR CONTROL TEMPORARY OR PERMANENTLY AND REQUIRE THE SHUTDOWN OF THE BUIL CENTERS. SHALL BE PERFORMED DURING OVERTIME AND SHALL BE INCLUDED IN THE PONSIBLE FOR MAINTAINING THE CONTRACTOR IS RESPONSIBLE FOR THE SEQUENCE OF ALL WORK AN 2. PROVIDE CIRCUIT BREAKERS WITH UL LISTED INTERRUPTING I WITH ALL EXISTING THREE (3) RATING (RMS SYMMETRICAL AMPERES) GREATER THAN THE THE BASE BID ALL LABOR AND MATERIALS REQUIRED FOR THE EXTENSIONS AVAILABLE FAULT CURRENT SHOWN ON THE ELECTRICAL RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CO ON MULTI-PHASE EQUIPMENT, ONE-LINE DIAGRAM. "SERIES RATED" EQUIPMENT SHALL NOT CABLING TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUI TION CHECK PRIOR TO ENERGIZING BE ACCEPTED. DEMOLITION AND CONSTRUCTION PHASES. OPP K-3 OR EQUIVALENT DEVICE NNECTED TO PHASE A, WHITE OR 3. INSTALL UL LISTED CIRCUIT BREAKER PADLOCKING DEVICES THE CONTRACTOR SHALL REPORT TO THE CLIENT ANY AND/OR ALL CONDIT FOR SERVICE AND MAINTENANCE PERSONNEL ON ALL OVER INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECU PHASE B, AND BLUE OR "C" LEAD CURRENT PROTECTION DEVICES AT THE MAIN BUILDING NOTE THE PHASE ROTATION AND COMPLETION OF THE WORK OF THIS CONTRACT. NTATION WITH DEVICE USED, PANEL (MDP OR EQUIVALENT). THE DEVICE MUST HAVE THE CONTRACTOR SHALL EXECUTE ALL WORK WITHIN THE REGULATIONS C TATION OBSERVED, DATE OF TEST, PROVISIONS FOR PLACEMENT OF A LOCK ON IT TO SECURE FOR DEMOLITION AND REMOVAL OF DEBRIS. OVERTIME WORK REQUIRED V . DO NOT ENERGIZE EQUIPMENT THE DEVICE IN THE OFF POSITION. THE LOCK-OUT DEVICE EXTRA COST TO THE CLIENT. MUST BE PART OF THE DISCONNECT ASSEMBLY AND MUST TION MATCHES THE REQUIREMENTS ALL EQUIPMENT SHALL BE DISCONNECTED AND REMOVED BACK TO ITS POV REMAIN IN PLACE AFTER THE PADLOCK IS REMOVED, ORIGINATION UNLESS OTHERWISE NOTED ("U.O.N.") BY EXISTING TO REMAIN WHETHER IT IS A FUSED DISCONNECT SWITCH, A SINGLE PLY ALL LABOR, POWER CABLES, DISCONNECTED AND REMOVED ITEMS THAT ARE NOT BEING REUSED SHAL CIRCUIT BREAKER, OR A CIRCUIT BREAKER IN A PANELBOARD. WIRING MATERIALS, HARDWARE, THE OWNER OR DISPOSED OFF SITE IN AN APPROVED METHOD. A DEVICE THAT IS ATTACHED TO THE CIRCUIT BREAKER NEOUS ITEMS FOR A COMPLETE THE CONTRACTOR SHALL AT ALL TIMES PROTECT THE PROPERTY OF THE C HANDLE BY A SET SCREW IS NOT AN ACCEPTABLE MEANS TO AND CONNECTION OF THE BUILDING OWNER, INCLUDING BUT NOT LIMITED TO WINDOWS, FINISHES, PL SERVE AS A SAFE METHOD OF LOCKING THE DEVICE IN THE RED, EXCEPT THAT THE PROVISION ELEVATORS, DOORS, BUCKS, ELECTRICAL AND AIR CONDITIONING EQUIPME OFF POSITION. UIPMENT SHALL BE ONLY BE ENCLOSURES, ETC. INDICATED ELSEWHERE ON THE 4. ALL CIRCUIT BREAKERS SHALL BE MOLDED CASE THERMAL UNLESS NOTED OTHERWISE, ALL OF THE EXISTING ELECTRICAL EQUIPMENT MAGNETIC AND RATED FOR AVAILABLE SHORT CIRCUIT LOCATED IN THE AREAS OF DEMOLITION, WHETHER SPECIFICALLY INDICAT CURRENT. UNLESS SPECIFIED ON THE DRAWING. CONDUIT (EX., MC TYPE, FIRE DRAWING OR NOT, SHALL BE DISCONNECTED AND REMOVED FROM SERVIC HIN THE CEILING CAVITY MUST BE 5. CIRCUIT BREAKERS USED AS SWITCHES SHALL BE UL LISTED FIRST RIGHT OF REFUSAL ON ALL REMOVED ITEMS. ALL ITEMS NOT WANTED FOR SWITCHING DUTY AND MARKED "SWD" PER NEC 240-83(D). INGS, J-HOOKS, OR OTHER SHALL BE PROPERLY DISPOSED OF OFFSITE BY THE CONTRACTOR IN ACCC CABLE MUST NOT LAY ON LAW. CARE SHALL BE TAKEN TO MAINTAIN CIRCUIT CONTINUITY TO ALL EXIS , BE FASTENED TO EXISTING LABELING: DEVICES TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT AF TEAM PIPES, SPRINKLER PIPES, 1. ALL SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL DEMOLITION. ROUTED IN SUCH A FASHION AS TO PANELS AND MOTOR CONTROL CENTERS THAT ARE IN OTHER RELOCATE OR REMOVE ALL ELECTRICAL DEVICES IN ACCORDANCE WITH TH HES, DOORS, UTILITY ACCESS THAN DWELLING OCCUPANCIES AND ARE LIKELY TO REQUIRE CODES. RVICE WORK AREAS OR FITTINGS EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE DO NOT DISABLE OR DISRUPT BUILDING FIRE OR LIFE SAFETY SYSTEMS WIT ED THROUGH FIRE DOORS, WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN PERMISSION FROM THE OWNER. IN ALL CASES, PERMISSION SHALL HAVE BE GRATES. QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH LESS THAN TEN (10) WORKING DAYS PRIOR TO THE INTENDED INTERRUPTIC ROVIDED, MC CABLES SHALL BE HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE 1. BEFORE THE START OF WORK, THE ELECTRICAL CONTRACTOR SHALL CHEC S NOT EXCEEDING 6'. CABLES CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE DEVICES, LIGHT FIXTURES, EQUIPMENT, ETC. THAT IS NOTED OR REQUIRED FEWER CONDUCTORS SIZED NO EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE SATISFY HIMSELF THAT THEY ARE OPERATING PROPERLY. SHOULD ANY OF SHALL BE SECURED WITHIN 12" OF ON THE EQUIPMENT. MARKING SHALL BE SELF ADHESIVE, OPERATING PROPERLY, CONTRACTOR SHALL REPORT SAME TO THE ENGIN TITTING, OR OTHER CABLE COMMERCIAL LABEL CONFORMING TO NEC 110.16 AND ANSI DIRECTIONS. CONTRACTOR NOT COMPLY WITH THE ABOVE WILL BE RESPON Z535.4. ARC FLASH LABEL SHALL BE BRADY (BRADYID.COM) PROVIDING OPERATIONAL ITEMS AT HIS EXPENSE BE PERMITTED TO BE CATALOG NO. 102308 OR EQUAL. THE CABLE: (A) IS FISHED BETWEEN 2. PROVIDE IDENTIFICATION TAGS FOR ALL NEW WIRING AND 12. FIELD INVESTIGATE THE EXISTING ELECTRICAL & LOW VOLTAGE SYSTEMS I EXISTING INSTALLATIONS IN THE RENOVATION AREAS THAT ARE TO REMAIN JGH CONCEALED SPACES IN INSTALL AT EACH END AND IN ALL INTERMEDIATE CURRENTLY IN COMPLIANCE WITH CURRENT CODES SHALL BE CORRECTED STRUCTURES AND SUPPORTING IS PULL/JUNCTION BOXES, CABINETS, HOUSINGS, ETC. INDICATE NOT LIMITED TO THE FOLLOWING: UN-SUPPORTED WIRE, CONDUIT AND JUN NOT MORE THAN 6' IN LENGTH ON TAGS, LEGIBLY MINIMUM 1/4" HIGH LETTERS, THE POINTS LAYING ON TOP OF CEILING TILES, WIRE, CONDUIT AND/OR JUNCTION BOXE OF CABLE SUPPORT TO THE POINT OF ORIGIN AND TERMINATION OF EACH CONDUIT AND BY TIE-WIRE. RAISE AND SUPPORT CONDUIT WITH STRAP PER SPECS. RAISE MINAIRES OR OTHER ELECTRICAL CONDUIT RUN. LABEL ALL RECEPTACLES AND SWITCH WIRE WITH BRIDLE RINGS, J-HOOKS, OR OTHER APPROPRIATE MEANS. PRO ABLE AND POINT OF CONNECTION COVERS WITH PANELBOARD AND CIRCUIT NUMBER. FOR CONDUIT/WIRE AS REQUIRED. FIXTURES IMPROPERLY SUPPORTED OR INAL SIBLE CEILING. TYPE MC CABLE INTERIOR EQUIPMENT, USE BROTHER P-TOUCH 3 LABEL SUPPORTED BY DEVICE BOXES - PROVIDE PROPER SUPPORT PER N.E.C. RMITTED AS A MEANS OF CABLE MAKER WITH TC-10 LABEL CARTRIDGE OR EQUAL. FOR EXTERIOR EQUIPMENT, USE ALUMINUM DYMO HALF-INCH ECTRICAL CONDUITS SHALL BE WORK/TRADE COORDINATION: TAPE LABEL WITH EMBOSSED LETTERING. ABBREVIATE FED AND BRACED INDEPENDENTLY LETTERING TO PROVIDE NECESSARY INFORMATION WITH 13. ELECTRICAL CONTRACTOR SHALL COORDINATE THE MECHANICAL EQUIPME WITH THE MECHANICAL CONTRACTOR AND MECHANICAL DEMOLITION PLAN MINIMUM LABEL SIZE (I.E., PANELBOARD PP1, CIRCUIT 23 RUN CONCEALED WHEREVER SHOULD READ PP1-23). CONSTRUCTION DEMOLITION WITH THE GENERAL CONTRACTOR AND ARCH DEMOLITION PLANS FOR ALL EQUIPMENT TO BE DEMOLISHED AND SCHEDU ORS SHALL BE IN A SURFACE 3. LABEL ALL SWITCHGEAR, PANELBOARDS, AND WAY IN PUBLIC SPACES OR ELECTRICAL DEMOLITION. SEPARATELY-MOUNTED EQUIPMENT WITH FEEDER SOURCE ITY LOCATIONS WHEN NOT 14. THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT LEFT AFTE AND CIRCUIT NUMBER. FOR INTERIOR EQUIPMENT, PROVIDE IE CEILING/WALL CAVITIES. ANY WHITE MICARTA PLATE WITH QUARTER-INCH BLOCK DEMOLITION. INCLUDING CONDUIT. SWITCH BOXES. PLATES. BRIDGES OR A HAVE ACCESSIBLE OR DROPPED LETTERING. FOR EXTERIOR EQUIPMENT, PROVIDE ANODIZED TELEPHONE OR ELECTRIC WIRING AND EQUIPMENT. DISCONNECT ALL WIRI HE USE OF SURFACE MOUNTED ALUMINUM PLATE WITH QUARTER-INCH EMBOSSED BLOCK REMOVE OLD WIRING FROM PLENUM. OVIDE PULL-BOXES (SIZE PER LETTERING. ATTACH TO EQUIPMENT WITH RIVETS. PLACE IN A 15. TEMPORARILY RELOCATE ELECTRICAL EQUIPMENT AS REQUIRED TO ACCO NDUIT RUNS AS REQUIRED. NO CLEAR SPACE ON THE UPPER PORTION OF THE EQUIPMENT CONSTRUCTION SCHEDULE. ALL AREAS NOT UNDER CONSTRUCTION MUST NSTALLED. COVER APPROXIMATELY 66" AFF. ABBREVIATE LETTERING OR OPERATIONAL DURING CONSTRUCTION. TO ACCOMPLISH THIS, PROVIDE TH ADJUST LETTER SIZE TO PROVIDE NECESSARY INFORMATION TRATIONS SHALL BE SEALED UPON TEMPORARY ELECTRICAL SERVICES. REMOVE TEMPORARY DEVICES UPON CTRICAL INSTALLATION TO PREVENT WITH MINIMUM LABEL SIZE, (I.E., 227/480V PANEL PP1 FROM THE PROJECT. ND FIRE THROUGH OPENINGS. SEAL MDP CKT 3 OR P-1 20 HP PUMP FROM PP1 CKT 3). 16. AS PART OF THE BASE BID, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ACEWAY PENETRATIONS THROUGH 4. ALL PANELS SHALL HAVE TYPED, COMPLETED DIRECTORIES ELECTRIC POWER REQUIRED FOR CONSTRUCTION ACTIVITIES OF ALL PROJ OR SEPARATING AREAS TO INDICATING EQUIPMENT SERVED AND ROOM NUMBER (AS TEMPORARY BRANCH CIRCUITS SHALL BE SUPPLIED BY CIRCUITS PROTECT RATING; USE A UL CLASSIFIED FIRE INDICATED ON THE FINAL BUILDING SIGNAGE) OF EQUIPMENT FAULT CIRCUIT BREAKERS. ALL TEMPORARY BRANCH CIRCUITS SHALL BE IN TIONS THROUGH ROOF AND LOCATION, OR SPARE, OR SPACE. IDENTIFY THE PURPOSE OF WITH NEC ARTICLE 590. E WATERPROOF. REQUEST INDIVIDUAL CIRCUIT BREAKERS, SAFETY SWITCHES AND a. COMPLAINTS CONCERNING POWER DISTRIBUTION OR DEVICES AVAILA S BY ELECTRICAL INSPECTOR MOTOR STARTERS BY MEANS OF NAMEPLATES AS INDICATED. AREA OR AREAS OF THE PROJECT WILL BE REVIEWED BY THE AE. IF DI JURISDICTION BEFORE AND AFTER UPDATE DIRECTORIES AS PANELS ARE ALTERED. CIRCUIT THE CONTRACTOR SHALL PROVIDE ADDITIONAL POWER DISTRIBUTIO MATERIALS. ALL OPENINGS SHALL CHANGES SHALL BE REFLECTED ON "AS-BUILT" DRAWINGS. DEVICES REQUIRED UNDER THIS SECTION AT NO ADDITIONAL COST. HE OTHER TRADES TO LIMIT 5. ALL CIRCUITS AND CIRCUIT MODIFICATIONS MUST BE LEGIBLY AS PART OF THE BASE BID, THE ELECTRICAL CONTRACTOR SHALL PROVIDE RUCTION. IDENTIFIED AS TO THEIR CLEAR, EVIDENT, AND SPECIFIC LIGHTING WITH LOCAL SWITCH FOR GENERAL ILLUMINATION AND TASK ILLU ICAL METALLIC TUBING (EMT) TO PURPOSE. THE IDENTIFICATION MUST INCLUDE SUFFICIENT GENERAL CONTRACTOR, OTHER PRIME CONTRACTORS, AND FOR ALL SUB-( IBJECT TO PHYSICAL DAMAGE OR DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM THE DURATION OF THE CONSTRUCTION. LIGHTING LEVELS PROVIDED ARE EDIATE METAL CONDUIT (IMC) OR ALL OTHERS, AND THE IDENTIFICATION MUST BE ON A COMPLIANCE WITH APPLICABLE WORKPLACE STANDARDS. ALL TEMPORARY CONDUIT (RGS) WHERE RACEWAYS CIRCUIT DIRECTORY LOCATED ON THE FACE OR INSIDE OF BE SUPPLIED BY CIRCUITS PROTECTED BY GROUND FAULT CIRCUIT BREAKE RETE OR EXPOSED TO PHYSICAL THE DOOR OF A PANELBOARD. CIRCUIT DIRECTORIES TEMPORARY LIGHTING SHALL BE IN ACCORDANCE WITH NEC ARTICLE 590. " CONDUIT EXCEPT AS FOLLOWS: CONTAINING MULTIPLE ENTRIES WITH ONLY ``LIGHTS" OR a. COMPLAINTS CONCERNING LIGHTING LEVELS AND/OR LIGHTING QUALITY FOR 20 AMP GENERAL LIGHT AND "OUTLETS" DO NOT PROVIDE THE SUFFICIENT DETAIL OR AREAS OF THE PROJECT WILL BE REVIEWED BY THE AE. IF DIRECT CONTROL CIRCUITS; 3/8" FLEXIBLE REQUIRED BY THE NEC. CONTRACTOR SHALL PROVIDE ADDITIONAL LUMINARIES AND/OR ADDITI ISED TO CONNECT LIGHT FIXTURES WIRING REQUIRED AT NO ADDITIONAL COST. JSE LIQUID TIGHT FLEXIBLE METAL INSPECTIONS/WARRANTY: NNECTION TO EQUIPMENT IN AT THE CONCLUSION OF THE CONSTRUCTION ACTIVITIES REMOVE ALL WIRI 1. NO WORK SHALL BE CONCEALED UNTIL AFTER INSPECTION AND CONCEALED, USED FOR TEMPORARY LIGHTING AND POWER DISTRIBUT UTDOORS. AND APPROVAL BY PROPER AUTHORITIES. IF WORK IS AIN INSULATED CONDUCTORS 4 CONCEALED WITHOUT INSPECTION AND APPROVAL, THE NTER AN ENCLOSURE, THE DEMOLITION REQUIREMENTS:

ROTECTED FROM ABRASION LLATION BY A FITTING THAT UNDED INSULATING SURFACE, SUCH NG AS PER NEC 300.4(G). MENT TO BE WEATHERPROOF

UGH EXTERIOR WALLS SHALL BE OVIDE SEALS FOR CONDUIT AND JRED BY OZ/GENDY TYPE CMSI OR

S SHALL BE PITCHED TO DRAIN IN MANHOLES.

PER CONDUCTOR, 600 VOLTS IN OVED FITTINGS UNLESS EEDER AND BRANCH CIRCUIT A #12 AWG UNLESS OTHERWISE BRANCH CIRCUIT WIRING LARGER STRANDED CONDUCTOR: #10 AWG SOLID CONDUCTOR. CONTROL THWN. TYPE OF INSULATION AS OTHERWISE:

ON FOR #4 AWG AND SMALLER SULATION FOR #2 AWG AND

NEL FEEDER AND SERVICE

### PE SHALL BE USED WHERE TALLED IN CONDUITS EXPOSED TO

DUCTOR COLOR CODES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO BOTH OPEN AND RESTORE THE CONCEALED AREAS IN ADDITION TO ANY REQUIRED MODIFICATIONS. 2. THE CONTRACTOR SHALL MAKE A FINAL INSPECTION OF ALL ELECTRICAL EQUIPMENT TO ENSURE THAT THERE ARE NO LOOSE ELECTRICAL CONNECTIONS OR ELECTRICAL CIRCUITS SUBJECT TO ELECTRICAL BREAK DOWN DUE TO THE
- PRESENCE OF FOREIGN MATERIAL. THIS SHALL INCLUDE INSPECTION OF ALL CONNECTIONS MADE UNDER THIS CONTRACT. 3. THE CONTRACTOR SHALL DELIVER CERTIFICATES OF ELECTRICAL AND OTHER INSPECTIONS OR COPIES THEREOF,
- TO THE CLIENT AT THE COMPLETION OF THE PROJECT WITH COPIES TO THE ENGINEER/ARCHITECT. 4. THE CONTRACTOR SHALL GUARANTEE ALL WORK IN WRITING
- TO THE CLIENT AGAINST ANY AND ALL DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR, OR AS INDICATED IN THE SPECIFICATION, FROM DATE OF ACCEPTANCE AND PERFORM ALL CORRECTIVE WORK AT NO COST TO THE CLIENT.

- REMOVE ABANDONED ELECTRICAL EQUIPMENT, DEVICES AND WIRING (I.E., EQUIPMENT, RECEPTACLES, DATA PORTS, RACEWAY SYSTEMS) BACK TO TH PANELBOARD, SWITCHBOARD, SWITCHGEAR, COMMUNICATIONS CLOSET, O ABANDONED WIRING AND RACEWAYS CAN RESULT FROM ACTIONS THAT IN FOLLOWING:
- a. EQUIPMENT IS REMOVED OR RELOCATED. b. FIXTURES ARE REMOVED OR RELOCATED.
- c. SYSTEM IS NO LONGER USED.

				NY Certifi	cate of Authorization
				Eng'r. No Date Checked	s. 00 <b>784</b> 67 2/ <b>13</b> 1×23
ERAL INTENT AND TEMS. UNLESS FIELD VERIFY ALL	20.	d. THERE IS NO DEMONSTRABLE NEAR TERM FUTURE USE FOR THE EXISTING CIRCUIT OR RACEWAY SYSTEM. UNUSED ELECTRICAL EQUIPMENT AND MATERIAL SHOULD ONLY BE LEFT IN PLACE IF ONE OR MORE OF THE FOLLOWING CONDITIONS EXIST:		Drawn	0/24
JNDER WHICH MATERIALS BEING IOR TO BID. INCLUDING ALL ATE CONSTRUCTION REMAIN LDING POWER BASE BID. D SHALL INCLUDE IN S, RE-ROUTING AND		<ul> <li>a. THE REMOVAL REQUIRES THE DEMOLITION OF OTHER STRUCTURES OR EQUIPMENT THAT IS STILL IN USE. AN EXAMPLE IS CONDUIT EMBEDDED IN WALLS OR DUCTBANKS.</li> <li>b. THE COST OF REMOVAL IS EXCESSIVE DUE TO HAZARDS, CONSTRUCTION METHODS, OR RESTRICTED ACCESS. A FINAL DETERMINATION FOR THIS CONDITION SHALL BE MADE BY THE ENGINEER.</li> <li>c. IF EITHER OF THE ABOVE TWO CASES EXIST, REMOVE THE CONDUITS, INCLUDING THOSE ABOVE ACCESSIBLE CEILINGS, TO THE POINT THAT BUILDING CONSTRUCTION, EARTH, OR PAVING COVERS THEM. CUT CONDUIT BENEATH OR FLUSH WITH BUILDING CONSTRUCTION OR PAVING. PLUG, CAP, OR SEAL THE REMAINING UNUSED CONDUITS. INSTALL BLANK COVERS FOR ABANDONED BOXES AND ENCLOSURES NOT REMOVED.</li> </ul>		R.A.	м. 030220-1   EXP. 06/30
ILDING DURING TIONS THAT MAY UTION AND	21.	INVENTORY EACH PANELBOARD WHERE CIRCUITS ARE INDICATED TO BE REUSED. SEQUENTIALLY CONSOLIDATE EXISTING CIRCUITS WITHIN EACH PANELBOARD WITH REGARD TO AREA SERVED. MAXIMIZE CAPACITY FOR SERVICE TO THE PROJECT AREA BY INCLUDING EXISTING SPARES WITH THE GROUP OF CIRCUITS BREAKERS TO BE DISCONNECTED AS A RESULT OF THIS SELECTIVE DEMOLITION. PREPARE A CURRENT DIRECTORY, POST		/SKY,	Ticense
DF THE BUILDING WILL BE AT NO		DEMOLITION, FOR EACH PANELBOARD AS THE BASE UPON WHICH THE FINAL DIRECTORIES WILL BE COMPILED.		XE	7
WER SOURCE OF N ("E"). ALL L BE RETURNED TO	<u>EX</u> 22. 23.	Image: Constant of the system       Image: Constant of the system         ALL THERMOSTATS SHOULD REMAIN CONNECTED UNTIL SUCH TIME THAT THEY ARE         RELOCATED.       IF THEY ARE IN A WALL TO BE REMOVED, LEAVE THEM CONNECTED AND EITHER         TUCK THEM INTO THE CEILING OR ATTACH TO ADJACENT STRUCTURE REMAINING.         EXTEND EXISTING FOULPMENT CONNECTIONS USING MATERIALS AND METHODS COMPATIBLE		POT (	RED ARCHITEC
CLIENT AND THE JBLIC TOILETS, ENT, CONVECTOR	23. 24.	WITH THE EXISTING ELECTRICAL INSTALLATION AND IDENTIFIED IN THE ELECTRICAL SPECIFICATIONS. WHEN RELOCATION OR REMOVAL OF AN ELECTRICAL DEVICE INTERRUPTS THE CONTINUITY OF A DOWNSTREAM CIRCUIT OR DEVICE TO REMAIN, REROUTE/MODIFY THE CIRCUIT AS REQUIRED		VLAD	Title REGISTEF
ED ON THIS EL THE OWNER HAS D BY THE OWNER DRDANCE WITH THE	25.	TO MAINTAIN CIRCUIT CONTINUITY. PROVIDE NEW JUNCTION BOXES, PULLBOXES, RACEWAYS, WIRING, ETC., AS REQUIRED. WHEN CIRCUITS ARE INTERRUPTED BY THE REMOVAL OF A PANELBOARD, THE ELECTRICAL CONTRACTOR SHALL REWIRE DEVICES TO THE NEAREST PANELBOARD OF SAME VOLTAGE REQUIREMENTS WITH AVAILABLE SPACE. FURNISH AND INSTALL NEW CIRCUIT BREAKERS OR			VISIONS:
STING ELECTRICAL REAS OF HE APPLICABLE	26.	UTILIZE SPARE CIRCUIT BREAKERS AS REQUIRED. WHERE AN EXISTING DEVICE IS REMOVED BUT THE RACEWAY AND BOX REMAINS FOR CIRCUIT CONTINUITY, PROVIDE AN APPROPRIATE BLANK COVER PLATE OF MATERIAL AND FINISH TO MATCH THE COVER PLATES OF THE DEVICES IN THAT ROOM.			7/14/23
THOUT WRITTEN EEN GRANTED NOT DN. CK ALL EXISTING	27. 28.	IF THE CONTINUITY OF THE NEUTRAL CONDUCTOR OF A MULTIWIRE CIRCUIT IS INTERRUPTED (OPEN), THE RESULTANT OVER OR UNDER VOLTAGE CAN CAUSE A FIRE AND/OR DESTRUCTION OF ELECTRICAL EQUIPMENT. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PRECLUDE THE INTERRUPTION OF NEUTRAL CONDUCTOR ON A MULTIWIRE CIRCUIT. NON-DEMOLITION AREAS: DEMOLITION WORKS SHALL NOT AFFECT AREAS NOT INCLUDED IN			
THE ITEMS NOT BE IEER AND AWAIT HIS NSIBLE FOR		DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUITY OF ALL SERVICES IN NON-DEMOLITION AREAS. ALL SERVICES SHALL BE MAINTAINED AT ALL TIMES. MAINTAIN SERVICE BY EXTENDING, RE-ROUTING AND/OR RECONNECTING ANY CIRCUITS AFFECTED BY DEMOLITION. PROVIDE ADDITIONAL CONDUIT/WIRE AS REQUIRED TO MAINTAIN SERVICE. CIRCUITS IN NON-DEMOLITION AREAS THAT ARE CONNECTED TO DEMOLISHED PANELS AND/OR			
NSTALLATIONS. ALL N BUT ARE NOT D, INCLUDING BUT NCTION BOXES ES SUPPORTED ONLY	29.	CIRCUITS SHALL BE RE-CIRCUITED TO THE EXISTING PANELS. PROVIDE TEMPORARY POWER AS REQUIRED DURING CHANGE-OVER TO MAINTAIN CONTINUOUS SERVICE. PROVIDE TEMPORARY POWER FOR ALL RELOCATED CIRCUITS AS REQUIRED TO MAINTAIN CONTINUOUS SERVICE. WHERE EXISTING OUTLETS ARE SHOWN TO REMAIN, BUT ARE INDICATED WITH NEW CIRCUITRY PERFORM THE FOLLOWING:			
E AND SUPPORT IVIDE NEW DEQUATELY		<ul> <li>a. REMOVE EXISTING CIRCUITRY. PROVIDE ADDITIONAL CONDUIT, WIRING, ETC., NECESSARY TO MAINTAIN CIRCUIT CONTINUITY TO EXISTING DEVICES ON THE SAME CIRCUIT THAT ARE NOT TO BE RECIRCUITED.</li> <li>b. PROVIDE NEW WIRING DEVICE AND FACEPLATE.</li> <li>c. RECIRCUIT DEVICES AS INDICATED.</li> </ul>		UNAUTHOR ADDITIONS A VIOLATION THE NEW Y LAW. THES	NZED ALTERATIONS OR TO THIS DOCUMENT IS I OF SECTION 7209 OF YORK STATE EDUCATION E DOCUMENTS REMAIN
ENT DEMOLITION IS AND GENERAL IITECTURAL LE TIME FOR	<u>PA</u> 30. 31.	<u>TCHING/REPAIRING:</u> RESTORE THE ORIGINAL FIRE RATING OF FLOORS, WALLS, AND CEILINGS AFTER ELECTRICAL DEMOLITION USING A UL CLASSIFIED FIRE SEALANT. EXCEPT FOR AREAS WHERE PARTITIONS OR CEILINGS ARE TO BE DEMOLISHED OR WHERE		THE EXCLUS ENGINEER, / FOR ANY I WITHOUT T OF	Sive property of the and may not be used purpose whatsoever he written consent the engineer.
ER WALL NY OTHER ING AT PANELS AND	32.	NEW AIR CONDITIONING OR ELECTRIC IS TO BE INSTALLED, CONTRACTOR SHALL REPLACE TO THE EXISTING CONDITION IN AREA OF DISTURBED CEILING. ANY WATER DAMAGED OR BROKEN CEILING TILES AS THE RESULT OF CONTRACTOR'S DEMOLITION SHALL ALSO BE REPLACED. UPON COMPLETION OF THE DEMOLITION WORK, THE CONTRACTOR SHALL PROVIDE THAT ALL			315-0351
MMODATE THE BE KEPT IE NECESSARY COMPLETION OF	33. 34.	AREAS BE LEFT BROOM CLEAN.FURNISH AND INSTALL KNOCKOUT PLUGS ON ALL EXISTING PANELS, EQUIPMENT, AND OUTLETBOX OPENINGS CREATED BY THE REMOVAL OR RELOCATION OF EXISTING RACEWAYS.WHERE AN EXISTING ELECTRICAL DEVICE, EQUIPMENT, ETC., IS BEING REMOVED FROM ANEXISTING WALL AND THAT WALL IS TO REMAIN CONTRACTOR SHALL PATCH EXISTING WALL TO			0 f. 845-6
E TEMPORARY JECT DIVISIONS. ALL TED BY GROUND N ACCORDANCE	<u>HA2</u> 1.	ARCHITECTS SATISFACTION. ZARDOUS MATERIAL DISPOSAL: DISCONNECT AND REMOVE ALL BALLASTS FROM FLUORESCENT LIGHT FIXTURES THAT DO NOT HAVE A LABELS STATING "BALLAST DOES NOT CONTAIN PCBS" OR SIMILAR LABEL (BALLAST MAY CONTAIN PCPS) PLACE PCP RALLASTS IN D.O.T. APPROVED CONTAINERS, PROPERLY DISPOSE		ring,	l, ture, 1g LLP 845-615-035
ABLE IN A SPECIFIC IRECTED BY THE AE, ON OR CONNECTION		OF CONTAINERS WITH A FEDERALLY APPROVED DISPOSAL CONTRACTOR. DISPOSAL SHALL INVOLVE SEGREGATION OF COMPONENTS FOR RECYCLING AND INCINERATION OF PCB CONTENTS. ALL DISPOSAL DOCUMENTATION SHALL BE PROVIDED TO THE OWNER UPON COMPLETION OF THE PROJECT. CONTRACTOR SHALL MAINTAIN AN OWNER APPROVED LOG		Engineel	Planning Architec Surveyir 10924 L.
JMINATION FOR THE CONTRACTORS FOR TO BE IN Y LIGHTING SHALL	2.	REMOVE ALL MERCURY-CONTAINING LAMPS, DO NOT BREAK OR CRUSH. RETAIN SERVICES OF A STATE APPROVED LAMP RECYCLING FACILITY ABLE TO ACCEPT WASTE D009. COORDINATE PACKAGING REQUIRED AND PACKAGE, SECURE, AND DELIVER LAMPS AS REQUIRED BY THE SELECTED RECYCLING FACILITY TO INSURE MINIMUM LAMP BREAKAGE. MINIMUM OF 95% OF	S		ES <sup>en, New York</sup>
' IN A SPECIFIC AREA TED BY THE AE, THE IONAL DISTRIBUTION		LAMP MATERIAL MUST BE SHIPPED INTACT. CONTRACTOR MUST COMPLY WITH ALL REPORTING AND PAPERWORK REQUIREMENTS OF STATE LAWS REGARDING THE HANDLING, TRANSPORTATION, AND DISPOSAL OF HAZARDOUS WASTE INCLUDING BUT NOT LIMITED TO FILING THE REQUIRED PAPERWORK AND MANIFEST WITH THE STATE AND OWNERS AS REQUIRED BY LAW. ALL DISPOSAL DOCUMENTATION SHALL BE PROVIDED TO THE OWNER UPON	AMPU		OCIAT Street, Gosh
ING, BOTH EXPOSED TION.	3.	COMPLETION OF THE PROJECT. REMOVE ALL SEALED LEAD-ACID BATTERIES FROM THE SITE. RETURN TO THE BATTERY MANUFACTURER OR TO A SIMILARLY QUALIFIED BATTERY PROCESSING FACILITY FOR PROPER DISPOSAL. OBTAIN A RECEIPT FOR SUBMISSION WITH THE CLOSE OUT DOCUMENTS.	-72 C/		ASS 252 Main 5
DISTRIBUTION HE SOURCE OR CABINET. ICLUDE THE	4.	<ul> <li>THE FOLLOWING PROCEDURES:</li> <li>a. TAKE CARE TO NOT DROP OR DAMAGE THE EXIT SIGNS IN ANY WAY.</li> <li>b. DOCUMENT LOCATION SIGN WAS REMOVED FROM, SERIAL NUMBER, MANUFACTURER, MODEL #, CONDITION, AND REMOVAL DATE.</li> <li>c. STORE THE SIGN IN A CENTRAL LOCATION UNTIL DEMOLITION COMPLETION.</li> <li>d. AT THE COMPLETION OF THE DEMOLITION, TURN ALL REMOVED SIGNS OVER, IN THEIR ENTIRETY, TO THE OWNER WITH A LIST AND INVENTORY OF ALL OF THE SIGNS BOXED UP IN THE LEFT OVER PACKING MATERIAL FROM NEW SIGNS.</li> </ul>	@ NEW PAI - 1-003-016	otes & INFO	rs Inces Us ' York
			) BLDG.	eneral n	TAL PROJEC: COUNTY BC PALTZ CAMP OUNTY, NEW
			MHRIC 7 # 62-5	RICAL G	CAPI ULSTER NEW ULSTER C
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Lighting Der	nolition Key Notes	# SYMBOL INDICATES DEMOLITION KEY NOTE	Eng'r. Nos. 0078467 Date 2/31/23
<ol> <li>CONTRACTOR TO R APPROVED MANNEL FIXTURES.</li> <li>EXISTING CEILING M (TYPICAL THROUGH</li> <li>EXISTING LIGHT SW AND TERMINATE IN REUSE.</li> <li>EXISTING CANOPY F</li> </ol>	EMOVE EXISTING LIGHT FIXTURES IN TH R. ELECTRICAL CIRCUITS SHALL BE PRE IOUNTED DEVICES SHALL BE REMOVED OUT) ITCHES SHALL BE REMOVED THROUGH A CODE APPROVED MANNER. EXISTING	HIS AREA AND DISPOSE OF IN AN SERVED TO FEED NEW LED LIGHT AND SALVAGED FOR REINSTALLATION OUT. DISCONNECT SWITCH WIRING SWITCH BACK BOX TO REMAIN FOR	Checked Drawn 42/02/30/30/24
			<b>KY, R.A.</b> License No. 030220-
			POTIYEVS ARCHITECT
			Revisions:
			NYSED COMMENTS ADDENDUM 1 7/14/23
			UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. THESE DOCUMENTS REMAIN THE EXCLUSIVE PROPERTY OF THE ENGINEER, AND MAY NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
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			ering, ng, scture, ing LLP t. 845-615-0350
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		G. @ NEV	-00-1-003 LITION PLAN OJECTS CAMPUS CAMPUS NEW YORK
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	NY Certific Eng'r. No:	ate of Authorization
	Date	2/ <b>B</b> M23
LIGHT FIXTURE SCHEDULE	Drawn	
Description       Volt       Mounting       Lumens       Watts       Color         2X2 LED TROFFER WITH FIELD SELECTABLE OUTPUT (SET TO 30W + 35K)       UNIV       CEILING       3206       27.5       35K	Key Notes	/24
2X4 LED TROFFER WITH FIELD SELECTABLE OUTPUT (SET TO 30W + 35K)UNIVCEILING349028.635K2X4 LED TROFFER WITH FIELD SELECTABLE OUTPUT (SET TO 50W + 35K)UNIVCEILING541846.735K		06/30
2X2 LED FLAT PANEL WITH FIELD SELECTABLE OUTPUT (SET TO 25W + 35K)UNIVCEILING30332535K4 FOOT ARCHITECTURAL LED WRAPAROUNDUNIVCEILING63635735K		EXP.
LED RECESSED LINEAR (SEE PLAN FOR EXACT RUN LENGTHS)       UNIV       CEILING       1227       11.98       35K         2X2 LOW PROFILE LED TROFFER - SURFACE MOUNT       UNIV       CEILING       3982       30.6       35K         2X2 LOW PROFILE LED TROFFER - SURFACE MOUNT       UNIV       CEILING       3982       30.6       35K		0-1
COMBINATION EXT/EMERGENCY FIXTORE       1200 SEE PLAN       4.3 N/A         COMBINATION EXIT/EMERGENCY FIXTURE- NO LAMPS       120 SEE PLAN       4.3 N/A         WET LOCATION DUAL LAMP -SELF DIAGNOSTIC       9.6V SEE PLAN       3 N/A		03022
DE BATTERY OPTION. COORDINATE WITH MANUFACTURER.		No.
E SWITCH. ED SWITCH BACK BOX LOCATIONS SHALL HAVE THE WIRE TERMINATED AND THE BOX REMOVED. PATCH AND REPAIR WALL S		Lice
ITRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS.		
	<b>   ½</b>	
Proposed Lighting Key Notes	SYMBOL INDICATES	CHITEC
		ED AR
1. CONTRACTOR TO FURNISH & INSTALL NEW LIGHT FIXTURES THROUGHOUT. W TO EXISTING CIRCUITS. EXTEND WIRING AS REQUIRED. CONTRACTOR IS RES	VIRE NEW FIXTURES	GISTER
2. CONTRACTOR TO FURNISH AND INSTALL NEW PENDANT TYPE LIGHT FIXTURE FOOTAGE SHOWN. FINAL MOUNTING HEIGHT TO THE BOTTOM OF THE FIXTUR	BASED ON LINEAR ES SHALL BE 11' 0"	itle RE(
A.F.F. TYPICAL. 3. EXISTING DEVICE TO BE REINSTALLED ON CEILING		
4. EXTEND NEAREST LIGHTING CIRCUIT TO NEW VESTIBULE EXIT SIGN AND LIGH EXIT SIGN AND EMERGENCY EGRESS FIXTURE AHEAD OF CONTROLS. 5. EXTERIOR DISCHARGE EMERGENCY FIXTURE TO BE POWERED FROM EXIT SIGN		YSED COMMENTS
EXACT LOCATION WITH FIELD CONDITIONS. 6. EXISTING LIGHT FIXTURE TO REMAIN.	$\left  \begin{array}{c} 1 \\ 1 \\ 7 \end{array} \right $	JDENDUM 1 /14/23
7.       WIRELESS LIGHTING CONTROL SYSTEM "TIME KEEPER" DEVICE. CONTRACTO 120VAC 15A CKT. COORDINATE MOUNTING LOCATION IN FIELD.         8.       CONTRACTOR TO FURNISH & INSTALL NEW WIRELESS LIGHT SWITCHES AS SET	K TO PROVIDE	
REQUIRE 120VAC AT SWITCH LOCATION. REFER TO SYMBOL LEGEND FOR MO	RE INFORMATION.	
	UNAUTHOR. ADDITIONS	'ZED ALTERATIONS OR TO THIS DOCUMENT IS
	A VIOLATION THE NEW Y LAW. THES	OF SECTION 7209 OF ORK STATE EDUCATION E DOCUMENTS REMAIN
	ENGINEER, A FOR ANY F WITHOUT T	ND MAY NOT BE USED PURPOSE WHATSOEVER YE WRITTEN CONSENT
	OF	THE ENGINEER.
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— Enlarged Voetibula Lighting Dlan		1342.24 34224E501
ADMINISTRATION BUILDING	₽ ₹ <b>E</b>	5.01

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iahtina	Livtura Schadula	

T			Fixture Info					
гуре	Manuf.	Model	Description					
В	LSI INDUSTRIES, INC.	CLRT22-FS1-UNV-ALBC-5A-OS1-UNV-R56	2X2 LED TF					
С	LSI INDUSTRIES, INC.	CLRT24-FS1-UNV-ALBC-5A-OS1-UNV-R56	2X4 LED TF					
C2	LSI INDUSTRIES, INC.	CLRT24-FS1-UNV-ALBC-5A-OS1-UNV-R56	2X4 LED TF					
D	LSI INDUSTRIES, INC.	SFP22-LED-FS2-UNV-DIM-FS-ALBC-R56	2X2 LED FL					
G LSI INDUSTRIES, INC. DW-LED-HO-WW-UE-ALBC-R56 4 FOOT A								
J	LSI INDUSTRIES, INC.	4RLS-X'-LED-06L-(CEILING)-UE-LF-35-R56	LED RECE					
Κ	LSI INDUSTRIES, INC.	LPEC22 LED 39L VOLTS DIM1 35 ALBCSD SMK22 R56	2X2 LOW P					
X1	LITHONIA	LHQM-LED-R-HO-SD	COMBINAT					
X1A	LITHONIA	LHQM-LED-R-HO-RO-SD	COMBINAT					
X2	LITHONIA	ELABT SD QWP L0309	WET LOCA					
Gener	al Notes							
1. SH	ADED FIXTURES DENC	TE EMERGENCY FIXTURE. CONTRACTOR TO PROVID	E BATTERY					

![](_page_44_Figure_6.jpeg)

![](_page_44_Picture_7.jpeg)

![](_page_45_Figure_0.jpeg)

1	B	C	D	E	F	G	н	J	K	L	м	N		0
						LOCATION: A	DMINISTRATION BUILDING					LO		STRATION BUILDING
		PANEL SCHEDULI	E - PANEL M	IP-1-1 (EXISTING)	)	FED FROM I	MP1-2 208/120V	PANEL SCHEDULE - PA	ANEL MP-1-2 (EXIS	STING) FEED 1	THRU TO M	P-1 FED FRO	JM DISC. SW.	208/120V
		CT#Load Description1(3)CH-1 EF-1 TOILETS2EF RM 1211221203HP LOOP CONTROLLER 1234TEMP CONTROL PANEL	OCPITypePolesStd1Std1Std1Std1Std1	D Conductors Rated Current Neutral 20A 20A 20A 20A 20A 20A 20A 20A	Ground Raceway Voltage I	Load per Phase (VA Phase A Phase B	e(A) Voltage Phase C Drop %	Load DescriptionTypeACCU-1StdACCU-2StdACCU-3StdACCU-3Std	OCPD         Co           Poles         Rated         Current         Ne           3         70A         (3) 4 ga.         nor           3         45A         (3) 6 ga.         nor           3         45A         (3) 6 ga.         nor           3         45A         (3) 6 ga.         nor	Inductors         Race           utral         Ground         Race           ne         (1) 8 ga.         1 in.           ne         (1) 10 ga.         3/4 ir           ne         (1) 10 ga.         3/4 ir	veway         Voltage           . EMT         208           in. EMT         208           in. EMT         208           EMT         208	Load         Lo           kVA         Phase A           20.07         61.90           12.35         38.10           12.35         38.10           12.35         38.10	Phase B         Phase B           61.90         61.           38.10         38           38.10         38	Voltage           ase C         Drop %           90         1.98%           .10         1.88%           .30         1.91%
		5         EFR-1 RM 108           6         ROOFTOP RECEPTS           7         EF-3.4.4.5.2           8         SPARE           9         EFR-4 RM 131           10/12         AC UNIT 24-25/HRU-4 (REUSE BILL)           11         EFR-1 RM 103	Std         1           Std         1           Std         1           Std         1           Std         1           Std         1           RKR)         Std         2           Std         1	20A         (1) 12 ga.         (1) 12 ga.           20A         (1) 12 ga.         (1) 12 ga.           20A         20A         20A           20A         15A         (2) 12 ga.         none	(1) 12 ga. 3/4 in. EMT 120 ( (1) 12 ga. 3/4 in. EMT 208 ( (1) 12 ga. 3/4 in. EMT 208 (	0.72	6.32 1.90% 5.40 0.99%	712       ACCO-4       Std         5       HP-1 RM 110 (RECLAIM AS SPARE)       Std         6       HP-4 RM 125 (RECLAIM AS SPARE)       Std         (4) EF-9 RM 100       Std         SPARE       Std         1       HP-2 RM 114 (RECLAIM AS SPARE)       Std         2       HP-1 RM 111 (RECLAIM AS SPARE)       Std	3     70A     (3) 4 ga.     100       2     40A     1       1     20A     1       2     40A     1       2     40A     1       2     40A     1       2     40A     1					
		13         EF-7.8 RM 103.112.104           14         HOT WATER CIRCULATOR           15/17         AC UNITS 22-23/HRU-3 (REUSE I           16/18         AC UNIT 21 (REUSE BRKR)           19         EF-3.4.4.5.2           20         GAS VALVE	Std         1           Std         1           Std         2           Std         2           Std         1	20A         20A           20A         15A           15A         (2) 12 ga.           15A         (2) 12 ga.           15A         (2) 12 ga.           15A         (2) 12 ga.           20A         20A           20A         20A           20A         20A	(1) 12 ga. 3/4 in. EMT 208 (1) 12 ga. 12	1.4 7.50 1.22 6.50	7.50         1.22%           6.50         1.11%	SPARE     Std       SPARE     Std       7     EFR-3.2A RM 126       8     HP-10 RM 126 (RECLAIM AS SPARE)       EFR-2 RM 101     Std       SPARE     Std	1     20A       1     20A       2     30A       2     20A       1     20A       1     20A       1     20A					
		21/23         AC UNITS 15-16-17 (REUSE BRK           22/24         AC UNITS 18-19-20/HRU-1 (REPL           25         BOILER BURNER           26/28/30         HV-1 RM 123 (RECLAIM AS SPAF           27/29         HP-8 RM 130 (RECLAIM AS SPAF           31/33/35         PUMP P-1           32/34/36         PUMP P-2	R)         Std         2           ACE W/15A)         Std         2           Std         1           E)         Std         3           E)         Std         2           Std         3         3           E)         Std         3           Std         3         3           Std         3         3	15A         (2) 12 ga.         none           15A         (2) 12 ga.         none           20A	(1) 12 ga.       3/4 in. EMI       208       7         (1) 12 ga.       3/4 in. EMT       208       0	1.4     7.50       0.19     1.00	7.50     1.22%       1.00     0.53%	3EFR-2A RM 108Std4AC UNITS 12-13-14 (REUSE BRKR)StdSPAREStdSPAREStdSPAREStd0AC UNITS 1-2-3-4-5 (REUSE BRKR)Std	2         20A         noi           2         15A         (2) 12 ga.         noi           1         20A         1         20A           1         20A         1         20A           2         15A         (2) 12 ga.         noi           1         20A         1         20A           2         15A         (2) 12 ga.         noi	ne (1) 12 ga. 1/2 ir	in. EMT 208	1.33 7.10 0.75 4.00	4.00	1.64%
		37/39/41         PUMP P-3           38/40/42         HP-12 RM 102           Voltage:         120 / 208	Std     3       Std     3       Total Circuits     42       on: lug	50A 60A	Connected Loads: 6,260 VA	0 A 27.9 A	34.22 A	1 AC UNITS 6-7-8-9-10-11 (REUSE BRKR) Std SPARE Std Total Circuits	2 15A (2) 12 ga. noi 1 20A 42	ne (1) 12 ga. 1/2 ir	in. EMT 208	0.9 207.5 A	4.80 4.8 212 A 205	0 1.40%
		Circuits: 42 / 42Load kVA: 6Neutral Buss: YesOCPD Size:Ground Buss: YesOCPD Type: 5Buss Capacity: 400 ALocation:NEMA: Type 1Remarks:	itd		Voltage Drop % for 100 Feet is 0. Raceway:	3-Phase Connection 52% Current	Neutral Ground	uits: 42 / 42Load kVA: 68tral Buss: NoOCPD Size:und Buss: YesOCPD Type: StdCapacity: 400 ALocation:A: Type 1Remarks:		Volta Race	age Drop % for 100 Feet is eway:	3-Phase Connecti 0.89%	DN Current Nei	utral Ground
						L(	DCATION: MHRIC BUILDING						LOCATIC	
		PANEL SCHEDULI	E - PANEL P	P-1		FED FROM S	SWBD 208/120V	PANEL SCHEDULE - PA	ANEL LPA (EXISTI	NG)		FED	FROM SWBD	208/120V
		CT#         Load Description           1/3/5         DAOS-2           2/4/6         ACCU-5           7/9         ACCU-6           8/10         ACCU-7           11/13         ACCU-8           12/14/16         DAOS-1           15         17           18         19           20         21           23         24           25         26           27         28           29         30           31         32           33         34           35         36	OCPD           Type         Poles         Rat           Std         3         60/           Std         3         45/           Std         2         35/           Std         3         150           Image: Std         Image: Std         Image: Std           Image: Std         Image: Std	Conductors           ted         Current         Neutral         Gr           A         (3) 4 ga.         none         (1)           A         (3) 6 ga.         none         (1)           A         (2) 8 ga.         none         (1)           A         (3) 1/0 ga.         none         (1)           A         (1) 1/0 ga.         (1)         (1)           A         (1) 1/0 ga.         (1)         (1)           A	ound         Raceway         Voltage         Loa           8 ga.         1-1/4 in. EMT         208         14.2           10 ga.         1 in. EMT         208         9.42           10 ga.         3/4 in. EMT         208         4.36           10 ga.         3/4 in. EMT         208         31.4           6 ga.         2 in. EMT         208         31.4           10 ga.         3/4 in. EMT         208         31.4           10 ga.         3/4 in. EMT         208         31.4           10 ga.         10 mm         10 mm         10 mm	d         Load per Phase (           A         Phase A         Phase B           77         44.64         44.64           2         29.04         29.04           5         23.28         23.28           5         23.28         23.28           5         23.28         3           12         96.90         96.90           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1           1         1         1	A)         Voltage Drop %           44.64         1.57%           29.04         1.54%           1.82%           23.28         1.82%           96.90         1.64%           -         -           <	CT#Load Description1/3AC UNITS 1-2-3 (NEW BRKR)2/4TECH AREA SPLIT A/C (RECLAIM AS SPARE)5/7AC UNITS 4-5-6 (NEW BRKR)6SS MOD FURN IV WINDOW8SS MOD FURN I AREA9/11AC UNITS 7-8 (NEW BRKR)10ERV-2 (NEW BRKR)11AC UNITS 7-8 (NEW BRKR)12SS MOD FURN IV WINDOW13SS MOD FURN IV WINDOW13SS MOD FURN I AREA14ERV-3 (REUSE BRKR)15RECEPT AREA A1 UNDER SPEAKER16/18AC UNITS 11-12-13-14/HRU-217TIME CLOCK OUTSIDE LIGHTS19FIRE ALARM20PTAC RM 122 (RECLAIM AS SPARE)212ND FLOOR CONF. FLOOR22UV1 CONF RM 122 (RECLAIM AS SPARE)23RECEPT. 106 & 10324/26AC UNITS 15-16-17-18-19/HRU-325RECEPT. 105 & 10527/29ERV-3 DUCT HTR (REUSE BRKR)28ERV-1 (NEW BRKR)30/32COND. UNIT #1 (RECLAIM AS SPARE)31/33COND. UNIT UPSTAIRS SOUTH (RECLAIM AS34/36ERV-1 DUCT HTR (REUSE BRKR)35/37ERV-2 DUCT HTR (REUSE BRKR)38/40/42FEED LPB39/41COND. UNIT #3 WEST SIDE (RECLAIM AS SPARE)	OCPD         Type         Poles         Rated         Curren           Std         2         15A         (2) 12 g           Std         2         20A         9           Std         2         15A         (2) 12 g           Std         2         15A         (2) 12 g           Std         1         15A         (1) 12 g           Std         1         20A         (2) 12 g	Conductors         Ground           ja.         none         (1) 12 ga.           ja.         none         (1) 10 ga.	Raceway       Voltage         3/4 in. EMT       208         3/4 in. EMT       208         3/4 in. EMT       208         3/4 in. EMT       208         3/4 in. EMT       120         3/4 in. EMT       120         3/4 in. EMT       120         3/4 in. EMT       120         3/4 in. EMT       208         3/4 in. EMT       208	Load         L           kVA         Phase A           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.08           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           0.19         1.00           1.08         10.00           1.09         1.00           1.08         1.00           4.29         1.08           1.08         1.00           4.29         22.89           4.29         22.89           1.04         36.79 A	oad per Phase B         Phase           Phase B         Phase           1.00         1.00           1.00         1.00           1.00         1.00           1.00         1.00           1.00         1.00           1.00         1.00           1.00         1.00           1.00         1.00           1.00         1.00           1.00         1.00           1.00         1.00           1.00         1.00           1.00         1.00           22.89         22.8           10.00         1.90           22.89         22.8           10.00         22.8           22.89         22.8           10.00         1.00	Voltage Drop %           0.58%           0.58%           0.58%           2.25%           2.25%           0.58%           0.2.25%           0.9           2.04%           0.04%           0.7 A
		37       38       39       40       41       42       Tot	al Circuits 15		Connected Loads: 68,390 VA	240 A 217 A	193.1 A	Voltage: 120 / 208Main Connection: breakerCircuits: 42 / 42Load kVA: 20Neutral Buss: NoOCPD Size: 225AGround Buss: YesOCPD Type: StdBuss Capacity: 225 ALocation:NEMA: Type 1Remarks:			Voltage Drop % for 100 Fee Raceway:	3-Phase Connec t is 0.48%	ion Current Neut	ral Ground
		Voltage: 120 / 208Main ConneLCircuits: 15 / 42Load kVA: 6Neutral Buss:YesOCPD SizeGround Buss: YesOCPD TypeBuss Capacity: 400 ALocation:NEMA: Type 1Remarks: 2	ction: breaker 8 400A : Std 2KAIC		Voltage Drop % for 100 Feet is 0.789 Raceway: (2 sets) - 2-1/2 in. dia. EM	3-Phase Connection 6 Current T (6) 4/0 ga. THHN	Neutral         Ground           (2) 4/0 ga.         (2) 1 ga.           THHN	* REMOVE EXISTING WI **REMOVE EXISTING W	IRING BACK TO EQUIPMENT AND FE IRING BACK TO EQUIPMENT AND RI	EED NEW EQUIPMENT FROI ELABEL BREAKER AS SPAF	OM THIS BREAKER. RE.			

ADMI	IN. BLI ED PR(	DG. & MHRIC BLDG. @ NEW PAL OJECT # 62-90-00-00- 1-003-016	TZ CAMPUS							
E6.02	Job No. 4.1342.24 File No.134224E601	ELECTRICAL PANEL SCHEDULES CAPITAL PROJECTS ULSTER COUNTY BOCES NEW PALTZ CAMPUS ULSTER COUNTY, NEW YORK	ASSOCIATES 252 Main Street, Goshen, New Yes	Engineering, Planning, Architecture, Surveying LLP	UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. THESE DOCUMENTS REMAIN THE EXCLUSIVE PROPERTY OF THE ENGINEER, AND MAY NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.	Revisions: NYSED COMMENTS ADDENDUM 1 7/14/23	VLAD POTIYEVSKY, THE REGISTERED ARCHITECT LICENSE NO.	<b>R.A.</b> . 030220-1   EXP. 06/30/24	Eng'r. Nos. 0013667 Date 2/13123 Checked Drawn	NY Certificate of Authorization

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-	Α	B	C	D		E	F
1	LEGEND:				SCOPE	OF WORK:	
	FACP – ADDRESSABLI PANEL AND	E EMERGENCY COMMUNICATION VOIC EQUIPMENT FOR AUTOMATIC AND MA	E EVACUATION FIRE ALARM CONT NUAL LIVE VOICE MESSAGING. TH	ROL IE	1. THIS SCOPE LOCATED WI	E OF WORK APPLIES TO FIRE THIN THE MHRIC BUILDING.	ALARM SY
	FIRE ALARM SERVES AS	PANEL SHALL BE A NOTIFIER NFS(2 THE FACP FOR THE MHRIC, ADMIN,	2)-3030 FACP. THE FACP WILL CR, RM, AND IS BUILDINGS.		2. REMOVE TH	E EXISTING FIRE ALARM SYSTE FIRE ALARM SYSTEM BY THE	
	ADDRESSABLE TO INITIATE I AND INSTALL	E NETWORK REMOTE ANNUNCIATOR LIVE VOICE COMMANDS. ANNUNCIATO ED SUCH THAT ANY FIRE ALARM SI	WITH PHONE/MICROPHONE EQUIP IR SHALL BE WIRED, PROGRAMME GNAL AND COMMAND WITHIN THE	D	2.1. THE EX	ISTING ADMIN BUILDING FIRE A	LARM SYS
	BUILDING CAI THE LOCATIO AND THE AB	N BE REPORTED TO, ACKNOWLEDGE IN OF THIS ANNUNCIATOR, INCLUDIN ILITY TO GENERATE LIVE VOICE COM	D, SILENCED AND CLEARED FROM G ALL PRE-SET VOICE COMMAND IMANDS VIA PHONE/MICROPHONE	1 PS AT	2.2. UPON C	COMPLETION OF THE NEW ADM	IN BUILDI
2	THIS LOCATIC ANNUNCIATOF	DN. NETWORK WIRING/CABLING BETW R SHALL HAVE A MINIMUM 2-HOUR	EEN THE FACP AND REMOTE	LL	BUILDIN 2.3. PRIOR 1	G ALL EVACUATE SIMULTANEOU TO INSTALLATION OF EMERGENO	ISLY. CY COMMU
	PER NFPA-7 PATHWAY SUI	'0, NFPA-72 AND MANUFACTURER'S RVIVABILITY LEVEL 2 AS DEFINED B	REQUIREMENTS, AND PROVIDE Y NFPA-72).		PRE-TE LOCATIO	STING SHALL LOCATE, INSPECT	AND TES
	S - SPOT-TYPE S WITH THE 7TI	SMOKE DETECTOR. SMOKE DETECTOR H EDITION OF UL 268.	R SHALL BE LISTED IN ACCORDAN	ICE	BETWEE SHALL I	N ALL BUILDINGS SUPPLIED B BE PROVIDED TO THE DIRECTO	Y THE EX
	SCO – COMBINATION SMOKE DETEC 268.	CTOR SHALL BE LISTED IN ACCORD	ANCE WITH THE 7TH EDITION OF	UL	VOICE E 3. PROVIDE AN	EVACUATION FIRE ALARM SYSTE	.M. THE E
	S – DUCT SMOKE PROVIDE AT	DETECTOR. PROVIDE AT LOCATIONS	INDICATED ON DRAWINGS AND Y NFPA-72 AND THE NEW YORK	-	ALARM SHA	LL BE EXTENDED FROM THE F UIPMENT SHALL BE MANUFACTI	ACP LOCA
-3	MECHANICAL FIELD. PROVI REQUIREMENT	CODE AS PART OF THE BASE-BID DE MEANS OF TESTING DUCT DETECTS.	CONTRACT AS DETERMINED IN TH CTOR PER MANUFACTURER	IE	3.2. THE BU	ILDING WILL BE PROVIDED WIT	H ADDRES
	- SPOT TYPE H AMBIENT CON	HEAT DETECTOR. PROVIDE APPROPRIND	ATE TEMPERATURE RATING BASED NTS.	ON	ADDRES	SABLE NETWORK REMOTE ANN ED SUCH THAT ANY FIRE ALAF	UNCIATORS
	COMBINATION	SPOT TYPE HEAT DETECTOR AND PROPRIATE TEMPERATURE RATING BA	CARBON MONOXIDE DETECTOR. SED ON AMBIENT CONDITIONS PE	R	ANNUNG ANNUNG NFPA-7	CIATOR, INCLUDING ALL PRE-S CIATOR LOCATION. SHALL HAV 70. NFPA-72 AND MANUFACTU	FET VOICE √E A NET JRER'S RE
	F – MANUAL PUL	L STATION FOR FIRE ALARM. DEVICE	SHALL BE RED AND LABELED		BY NFP	A-72). AS REQUIRED. PROVIDE	
	- 75 CANDELA	CEILING-MOUNTED SPEAKER/STROE	BE, UNLESS NOTED OTHERWISE.		PROGRA	MMING FOR THE COMPLETE IN REPRESENTATIVE WITH ALL IN	STALLATIO
_	- 75 CANDELA PROVIDE CLE	WALL MOUNTED SPEAKER/STROBE, EAR LENS LABELED "FIRE" FOR FIRE	UNLESS NOTED OTHERWISE.		AND CC EMAIL A PROVIDE	OORDINATE FINAL PROGRAMMING ND TEXT MESSAGE NOTIFICATIO ED WITH A WLAN/ETHERNET CO	3 REQUIRE ON TO SEI ONNECTION
4	WP - 75 CANDELA	WEATHERPROOF WALL MOUNTED S	PEAKER/STROBE FOR OUTDOOR		SITE AN 3.3.1.	D FOR INTERCONNECTION WITH THE GRAPHICAL WORKSTATION	I ANOTHE
	HATCH INDIC	ATES REMOVAL OF EXISTING FIRE A EM SHALL BE REMOVED IN ITS ENTI	LARM EQUIPMENT. THE EXISTING I RETY. NOT ALL REMOVALS ARE	FIRE		OR SIGNAL OF ANY TIME, THE SELECTING THE IMPACTED BUI	BUILDING
	INDICATED OF FACP - EXISTING EDV	N DRAWINGS. WARDS EST FACP WITHIN THE MAINT	ENANCE GARAGE. THE FIRE ALARI	м		ACTIVATION DURING A FIRE, TI THE COMPLETE FUNCTIONALITY	HE IMPACT
	ETR SYSIEM WITH PRE-TESTING NACI – FIRE ALARM	IN THE MAINTENANCE GARAGE IS E. ON EXISTING FACP AS OUTLINED NOTIFICATION APPLIANCE CIRCUIT (	NSTING TO REMAIN. PERFORM ON THE CONTRACT DOCUMENTS. NAC) POWER PANEL, PROVIDE FIL	NAI	3.3.2. 3 3 3	ALL FACP'S SHALL BE PROVID IN ACCORDANCE WITH MANUFA	ED WITH
	QUANTITIES F CALCULATION	PER MANUFACTURER'S REQUIREMEN NS. PROVIDE 120-VOLT POWER TO	TS AND CONTRACTORS BATTERY EACH NAC PANEL ON A DEDICAT	ËD	3.3.4.	THE ONYXWORKS/CLSS HORIZ	ON SYSTE
5	EQP – FIRE ALARM PROVIDE FIN	EQUIPMENT (EQP) PANEL. PROVIDE AL QUANTITIES PER MANUFACTUREF	PER MANUFACTURERS REQUIREM S REQUIREMENTS AND CONTRAC	IENTS. CTORS	CORRES	PONDING SIGNAL SHALL BE RI	EPORTED
		LCULATIONS. PROVIDE 120-VOLT PO CIRCUIT AS NEEDED.	OWER TO EACH EQP PANEL ON A		THE FIR	RE ALARM SYSTEM. PROVIDE PO CTOR'S EQUIPMENT SELECTION	OWER TO
	PROVIDE FIN BATTERY CA	AL QUANTITIES PER MANUFACTURER LCULATIONS. PROVIDE 120-VOLT PO	X'S REQUIREMENTS AND CONTRAC DWER TO EACH FATC ON A DEDIC	CTORS CATED	3.5.1. 3.5.2.	WITH DIRECTOR'S REPRESENTA CONTRACTOR SHALL DETERMIN	E ALL LO \TIVE. IE ALL LO
	SS – PROVIDE SUF	NEEDED. RGE SUPPRESSORS AS NEEDED PER	FACP MANUFACTURER'S RECOMM	MENDATIONS.	3.5.3.	EQUIPMENT. VERIFY ALL LOCAT PROVIDE FIRE ALARM EQUIPME PHASE POWER. 120 OR 460	TIONS OF ENT (FACP VOLT POW
	RM – FIRE ALARM	RELAY MODULES AS NEEDED PER I	RED.	LNDA HONS.	3.6. THE SY	STEM SHALL BE COMPRISED O	F DEVICES
6	FACP – FIRE ALARM TYP – TYPICAL.	CONTROL PANEL.			SPEAKE	RS AND SPEAKER/STROBES.	
	ETR – EXISTING TO	REMAIN.			3.7.1. 3.7.2.	2016 EDITION OF NFPA 72, N 2017 EDITION OF NFPA 70, N 2020 BUILDING CODE OF NEW	IATIONAL I
	CO – CARBON MON WP – WEATHERPRO	NOXIDE. IOF.			3.7.4.	2020 BUILDING CODE OF NEW 2020 FIRE CODE OF NEW YOI	RK STATE.
					UNLESS	NOTED OTHERWISE.	JNICATION
	1. PROVIDE PRODUCT SUB	MITTALS FOR REVIEW AND APPROVAL	PRIOR TO SYSTEM INSTALLATION.		3.9. ALL FIR DIAMETE	E ALARM WIRING SHALL BE SO R OF 3/4 INCH THAT UTILIZE:	S COMPRE
7	FOR EQUIPMENT, DEVICE	ES AND MATERIALS.	AND ADDOVAL IN ACCORDANCE N		3.10. DUCT S NFPA-7 MECHAN	MOKE DETECTORS SHALL BE F '2 COMPLIANCE. ADDITIONAL DU IICAL CODE. PROVIDE DUCT DE	'ROVIDED JCT SMOK TECTORS
	2. PROVIDE SHOP DRAWING BUILDING AND FIRE COE DRAWINGS AND CALCUL/	SS AND CALCULATIONS FOR REVIEW DES OF NEW YORK AND NFPA-72 F ATIONS SHALL, AT A MINIMUM, INCLU	AND APPROVAL IN ACCORDANCE V PRIOR TO SYSTEM INSTALLATION. T IDE:	HE SHOP	THE BU RETURN	ILDING AS PART OF THE CONT DUCTWORK. CONTRACTOR SHA	TRACT. WH
	2.1.1. A FLOOR PLAN WHI 2.1.1. INDICATES THE 2.1.2. LOCATIONS OF A	CH INCLUDES THE FOLLOWING: USE OF ALL ROOMS. ALARM—INITIATING AND NOTIFICATION	APPLIANCES.		3.11. CARBON INSTALL	I MONOXIDE (CO) DETECTION S ED IN EVERY ROOM CONTAININ ASSROOMS	SHALL BE IG A FUEL
	2.1.3. ALARM CONNEC 2.1.4. POWER CONNEC 2.1.5. CONDUCTOR TYF	TION. PES AND SIZES.	NI.		3.12. THE FIR	RE ALARM SYSTEM SHALL SHUT	TDOWN HV
	2.1.6. DETAILS OF CEIL	SAFETY FIRE CONTROL FUNCTIONS,	SUCH AS HVAC SHUTDOWN AND/(	OR	3.13. VERIFY	IF THE EXISTING FIRE ALARM	SYSTEM C
8	CLOSING OF DAMPE	RS OR FIRE SHUTTERS. NE DIAGRAM OF THE FIRE ALARM S`	STEM COMPONENTS AND WIRING.		CAN BE	NDIVIDUALLY OPERATED BY (	COMMAND
	2.4. DOCUMENTATION IND WITH NFPA 72 FOR	DICATING INTELLIGIBILITY OF AUDIBLE ALL AREAS.	NOTIFICATION (STI OR CIS) IS CO	MPLIANT	3.14. PROVIDE ROOMS,	E WEATHER-PROOF EQUIPMENT EXTERIOR SPACES, ETC.	WHERE /
	2.5. BATTERY CALCULATIC	DNS.			3.15. PROVIDE ACHIEVE	E MONITOR MODULES, CONTROL E THE COMPLETE INSTALLATION	L MODULE OF THE
	2.6. VOLTAGE DROP CAL	CULATIONS. DSEOUT DOCUMENTS FOR APPROVAL	BY THE ENGINEER AND THE DIRE	CTOR'S	3.16. PROVIDE 4. THE FIRE A	E LIGHTNING SUPPRESSION ANI	) SURGE OR AND V
	REPRESENTATIVE. THE C 3.1. SYSTEM RECORD OF 3.2. AN OWNER'S MANU/	CONTRACT CLOSEOUT DOCUMENTS SH F COMPLETION IN ACCORDANCE WITH AL AND MANUFACTURER'S PUBLISHED	IALL INCLUDE, BUT ARE NOT LIMIT NFPA 72. ) INSTRUCTIONS IN ACCORDANCE \	TED TO: WITH NFPA	MANAGER A	ND COMPANY FIELD ADVISOR S LARM SYSTEM SHALL COMPRO	SHALL BE
9	72. 3.3. RECORD (AS-BUILT)	DRAWINGS IN ACCORDANCE WITH N	FPA 72.		COMPATIBLE	: WITH THE SITE FIRE ALARM I LARM SYSTEM SHALL BE INSTA	MANUFACT
	4. PROVIDE ADDITIONAL INF REVIEW AND APPROVAL	FORMATION AND/OR CALCULATIONS A PROCESS.	S REQUESTED DURING THE SUBM	IITTAL	PROJECT SP CONTRACT.	PECIFICATIONS. WHERE DISCREE	PANCIES A
	<u>CENTRAL STA</u>	TION SERVICE NO	TES:		7. THE SYSTEM	A SHALL BE TESTED FOR ACCI	
	1. ESTABLISH THE MONITO STATION IN ACCORDAN	ORING SERVICE OF THE PROPOSED ICE WITH CHAPTER 26.3 OF NFPA 7	FIRE ALARM SYSTEM BY A LISTED 2, 2016 EDITION.	CENTRAL	APPLIANCES	SHALL BE SHOWN ON THE C	
	2. CONSPICUOUSLY INDIC COMPLIES WITH ALL T FOLLOW-UP PROGRAM	ATE THAT THE ALARM SYSTEM PROV HE REQUIREMENTS OF THIS CODE T I UNDER THE CONTROL OF THE ORC	'IDING SERVICE AT A PROTECTED I HROUGH THE USE OF A SYSTEMA GANIZATION THAT HAS LISTED THE	PREMISES TIC PRIME		G THE PROJECT. PROVIDE FIN	AL AS-BU
10	CONTRACTOR. DOCUME ISSUED BY THE ORGAI SHALL BE PHYSICALLY	ENTATION INDICATING CODE COMPLIAN NIZATION THAT HAS LISTED THE PRII ′ POSTED WITHIN 3 FT OF THE CON	ICE OF THE ALARM SYSTEM SHALI ME CONTRACTOR. THE DOCUMENTA TROL UNIT, AND COPIES OF THE	L BE ATION	PRESENT AT BUILDINGS	THE PRE-BID EXAMINATION ( CONTAINING EXISTING ABOVE C	OF THE P
	DOCUMENTATION SHALI UPON REQUEST.	L BE MADE AVAILABLE TO THE AUTH	ORITY HAVING JURISDICTION AND	ENGINEER	MAINTAINED ENGINEER F AN INSPECT	WITH THE NEW FIRE ALARM S PRIOR TO PREPARING A PROPO TION OF THE PREMISES.	YSTEM. AI DSAL. NO
	3. THE CENTRAL STATION	I SERVICE SHALL BE PROVIDED UND	ER CONTRACT TO THE OWNER.		10.1. VERIFY SUCH T	THE COVERAGE/EXTENT OF EA	ACH HVAC
					YORK S	TATE.	M CIRCUIT
					WITHOU DEVICES	CONDUIT USING BRIDLE RING CONTRACTOR MAY ALSO EL	S FOR S
						ING PROPOSAL.	
$\prod_{i=1}^{n}$					INSTALL	ATION OF EXPOSED/SURFACE TO ACCOMMODATE THE REQU	MOUNTED
					THE BA 11. BIDS SHALL	SE-BID CONTRACT.	A FIVE (5
L							

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				Ē											Date Checked Drawn	2/3/23 CMC CMC
I SYSTEM REPLACEMENT IN ULSTE THIN THE ADMIN BUILDING. EXISTIN	ER BOCES ADMIN BUILDING. THE FIRE NG SYSTEM SHALL REMAIN IN OPERA	E ALARM SYSTEM WITHIN THIS BU TION UNTIL FULL ACCEPTANCE OF	LDING IS SUPPLIED BY THE FACP		<ol> <li>SECONDARY POWE</li> <li>INSTALLATION WOF CONTRACT DOCUM</li> </ol>	ER SHALL BE PROV RK SHALL NOT PRO MENTS.	VIDED IN ACCORDANCE	E WITH NFPA-7 TALS HAVE BEEN	2 TO PROVIDE POWE	ER FOR A MINIMUM	OF 60 HOURS STANE	DBY AND 30 MINUTES ,	ALARM. OF THE			
SYSTEM IS SUPPLIED BY A FACP IPLE EXISTING BUILDINGS AND SHA	P LOCATED WITHIN THE ADJACENT MA IALL REMAIN OPERATIONAL DURING IN SYSTEM SHALL BE PROGRAMMED SU	NINTENANCE GARAGE (EDWARDS ES ISTALLATION OF THE NEW ADMIN JCH THAT THE MHRIC BUILDING, I	T FACP). THE EDWARDS FACP WITH BUILDING FIRE ALARM SYSTEM. MAINTENANCE GARAGE AND ADMIN	N	3. CONSULT THE PR 4. A WORKING SET OR REVIEW BY D INSTALLED, THE L CONNECTED TO E PROJECT_SPECIFIC	OJECT SPECIFICATION OF DOCUMENTS SH IRECTOR'S REPRESH LOCATION SHALL BE EQUIPMENT, THE RO CATIONS FOR COMF	ONS FOR ADDITIONAL HALL BE MAINTAINED & ENTATIVES. THE DRAFT E ACCURATELY RECORD DUTING & CONNECTION PLETE INFORMATION OI	INFORMATION R & USED AS A I T SET OF DOCU DED ON THE D N ORDER SHALL N THE REQUIRE	REGARDING THE SYST DRAFT OF THE AS-B JMENTS SHALL BE M RAFT AS-BUILT DOCI L BE RECORDED ON EMENTS FOR AS-BUII	EM DESIGN, INTEND BUILT DRAWINGS. TH AINTAINED ON A 48 UMENTS WITHIN 48 THE DRAFT AS-BUI LT DOCUMENTATION.	ED PERFORMANCE, PF IS DRAFT SET SHALL B-HOUR BASIS: AS EA HOURS; AS EACH CIF ILT DOCUMENTS WITHI DOCUMENTS SHALL	RODUCTS AND INSTALLA BE AVAILABLE FOR INS ACH PIECE OF EQUIPME RCUIT IS INSTALLED & IN 48 HOURS. CONSUL BE TURNED OVER TO	ATION. SPECTION ENT IS _T THE			
DMMUNICATION VOICE EVACUATION TEST ALL FIRE ALARM DEVICES V SYSTEM SEQUENCE OF OPERATION ETC. THE PRE-TEST SHALL DETER EXISTING EDWARDS FACP. A REP	FIRE ALARM SYSTEM, PROVIDE COMP WITHIN THE BUILDING. THE PRE-TEST NS, INCLUDING OPERATIONS FOR SHU RMINE ALL WIRING CONNECTIONS, TYP PORT FROM THE PRE-TEST WHICH LI	PLETE PRE—TESTING ON THE EXIS I SHALL VERIFY/DETERMINE ALL I JTDOWN OF HVAC SYSTEMS, CLOS PE, SIZE/GAUGE, AND QUANTITIES ISTS THE EXISTING FIRE ALARM S	TING FIRE ALARM SYSTEM. THE XISTING FIRE ALARM DEVICE ING OF SMOKE/FIRE DAMPERS, FOR ALL INTERCONNECTIONS EQUENCE OF OPERATIONS IN DETAIL		DIRECTOR'S REPR 5. ALL INSTALLATION EDITION) AND BU	ESENTATIVE AT CON WORK SHALL CON ILDING/FIRE CODES	MPLETION OF PROJEC NFORM WITH THE REQ S OF NEW YORK.	UIREMENTS OF	NATIONAL FIRE PROT	RECTION ASSOCIATION	N, NFPA 72, NATIONA	NE FIRE ALARM CODE (:	(2016		<b>?.</b>	030220-1
REPRESENTATIVE AND ENGINEER FOR THE EXISTING LEVEL OF DETECTION GENCY COMMUNICATION VOICE EVAN LOCATED WITHIN THE MHRIC BUILD	OR REVIEW PRIOR TO SHOP DRAWING SHALL BE MAINTAINED THROUGHOUT ACUATION FIRE ALARM DETECTION AND DING.	SUBMITTALS AND INSTALLATION THE BUILDING. D NOTIFICATION SYSTEM THROUGH	OF THE EMERGENCY COMMUNICATION		7. WHERE EQUIPMEN SHALL BE PROVID	BOXES THAT ARE IT MUST BE INSTAL DED.	SECURED TO THE BU	CEILINGS OR E	BETWEEN BUILDING S	TRUCTURAL COMPON	NENTS, ADEQUATE FIXT	TURE BARS OR OTHER	SUPPORT		ΚΥ, F	License No.
BY NOTIFIER. THE FACP INSTALLE DRESSABLE REMOTE ANNUNCIATORS D WITH THE DIRECTOR'S REPRESE	ED WITHIN THE MHRIC BUILDING SHAL RS. APPROXIMATE LOCATIONS OF REMO ENTATIVE. REMOTE ANNUNCIATORS SH	L BE A NOTIFIER NFS(2)-3030 OTE ANNUNCIATORS ARE INDICATE HALL BE COMPATIBLE WITH THE A	FACP, D ON THE DRAWINGS AND FINAL DDRESSABLE FACP. PROVIDE		<ol> <li>CABINET ASSEMBL ABOVE THE FINIS</li> <li>CONTROL UNITS S CODE.</li> </ol>	LY & MOUNTING SH HED FLOOR. SHALL BE INSTALLE	HALL BE SUCH THAT A	ALL SWITCHES	& OPERATOR CONTRO ARE MAINTAINED AROU	OLS ARE NO LESS UND THE UNITS IN	THAN 36 INCHES &	NO MORE THAN 72 ING FPA 70, NATIONAL ELE			YEVS	
TORS WITH PHONE/MICROPHONE F GNAL AND COMMAND WITHIN THE DICE COMMANDS AND THE ABILITY NETWORK WIRING/CABLING BETWE S REQUIREMENTS, AND PROVIDE F	EQUIPMENT TO INITIATE LIVE VOICE C BUILDING CAN BE REPORTED TO, AC Y TO GENERATE LIVE VOICE COMMANI EEN THE FACP AND EACH REMOTE AN POWER TO ANNUNCIATOR ON A DEDIC	COMMANDS. ANNUNCIATORS SHALL CKNOWLEDGED, SILENCED AND CL DS THROUGHOUT THE BUILDING \ NNUNCIATOR MINIMUM 2—HOUR FII CATED CIRCUIT PROVIDE PATHWAY	BE WIRED, PROGRAMMED AND EARED FROM THE LOCATION OF ANY IA PHONE/MICROPHONE AT THE RE RESISTANCE RATING (INSTALL PE SURVIVABILITY LEVEL 2 AS DEFINED	R .	10. ALL CABLES OR ENCLOSURES. 11. AUDIBLE NOTIFICA	CONDUITS SHALL E	NTER THE SIDE OR B	BOTTOM. NO PE	NETRATIONS SHALL E	BE PERMITTED IN TH	HE TOP HORIZONTAL S	SURFACE OF CONTROL	UNIT & SHALL		POTI/	ARCHITECI
NTIONAL POWER PANELS AS REQUINTIONAL POWER PANELS AS REQUINTED GRAPHICAL ATION OF THE ONYXWORKS/CLSS	JIRED PER CONTRACTOR'S BATTERY C. WORKSTATION SYSTEM. PROVIDE ALL HORIZON SYSTEM. PROVIDE MINIMUM AND FUNCTIONALITY OF ONYXWORKS	CALCULATIONS. REQUIRED WORKSTATIONS, EQUIF M 22" MONITOR ON THE SYSTEM S/CLSS HORIZON SYSTEM PRIOR	MENT, HARDWARE, SOFTWARE AND GRAPHICAL WORKSTATION. PROVIDE TO FINAL PROGRAMMING OF SYSTEM		BE CAPABLE OF 12. SURFACE MOUNTE 13. ALL CONNECTIONS	BEING INTERCHANG ED RACEWAY SHALL S TO CONTROLS, D	ED. . NOT BE ALLOWED IN DEVICES, & APPLIANCE	N FINISHED ARE	AS.	OR PIGTAILS THAT A	ARE AN INTEGRAL PAR	RT OF THE CONTROL, E	DEVICE,		LAD	REGISTERED
UIREMENTS WITH DIRECTOR'S REP SELECT PERSONNEL (COORDINAT CTION TO ALLOW FOR FUTURE NET THER BOCEES FACILITY CAMPUS.	PRESENTATIVE PRIOR TO FINAL INSTAL TE CONTACTS WITH DIRECTOR'S REPRI TWORKING TO OTHER ONYXWORK/CLS	LLATION. THE ONYXWORKS/CLSS I ESENTATIVE). THE ONYXWORKS/CL SS HORIZON GRAPHICAL STATIONS	IORIZON SYSTEM SHALL PROVIDE SS HORIZON SYSTEM SHALL BE WITHIN OTHER BUILDINGS ON THIS	<b>,</b>	OR APPLIANCE. F 14. ALL CONDUCTOR ALL FIRE ALARM STRIPS MAY BE U	IELD MANUFACTURE SPLICES SHALL BE & REMOTE CONTRO JSED WHERE THE I	ED PIGTAIL LEADS SHA E MADE ON SCREW-T OL CIRCUIT JUNCTION NUMBER OF CONNECT	ALL NOT BE ALI YPE TERMINAL I POINTS WHERE FIONS IS EIGHT	LOWED. BLOCKS. TERMINAL C MORE THAN EIGHT OR LESS. ALL TERM	CABINETS WITH HING CONNECTIONS MUS IINALS WITHIN A TEF	ED, LOCKABLE RED C T BE MADE. JUNCTIC RMINAL CABINET OR J	COVERS SHALL BE PRO DN BOXES WITH TERMIN UNCTION BOX SHALL E	DVIDED AT NAL BE		S <u>Revis</u>	≝     sions:
ALL BE PROVIDED WITH SITE PLAN ALL APPLICABLE BUILDINGS BEING DING EXPERIENCING THE ALARM/S , THE BUILDING FLOOR PLANS SH 1 DEVICES AND APPLIANCES, LABE	IS AND FLOOR PLANS. SITE PLANS S G PROVIDED WITH NOTIFIER FIRE ALAF SIGNAL SHALL BE HIGHLIGHTED OR S HALL BE VISIBLE ON THE GRAPHICAL ELED WITH ASSOCIATED DEVICE ADDRI	SHALL BE THE "MAIN SCREEN" NO RM SYSTEMS ACROSS BOTH CAMI SHALL "FLASH" ON THE GRAPHICA WORKSTATION. THE INDIVIDUAL B ESSES. WHEN A DEVICES IS ACTI	RMALLY SHOWN ON THE GRAPHICAL PUS'S. IN THE EVENT OF AN ALARM WORKSTATION. UPON "CLICKING" C JILDING FLOOR PLANS SHALL SHOW (ATED, SUCH AS A SMOKE DETECTO)	R R	PROPERLY LABELI 15. FIRE ALARM SYST AS ALLOWED IN A	ED & SHALL BE AG EM WIRING SHALL ARTICLE 760 OF NI	CCURATELY SHOWN OF NOT BE PERMITTED TO FPA 70, NATIONAL ELI	N THE AS-BUIL O BE INSTALLEI ECTRICAL CODE	T DRAWINGS. D IN THE SAME CAB	LE, CONDUIT, OR R	ACEWAY AS POWER O	OR LIGHTING CIRCUITS E	EXCEPT			
PACTED DEVICE SHALL BE HIGHLIC THE GRAPHICAL WORKSTATION. 'ITH A LAN CONNECTION TO TEH L ER'S REQUIREMENTS. 'N SYSTEM WHICH IS THE LATEST	GHTED OR "FLASH" ON THE GRAPHIC LOCAL NETWORK AND EACH FACP SH TECHNOLOGY AVAILABLE BY THE MAR	CAL WORKSTATION. PROVIDE ALL F HALL BE PROVIDED WITH A CLSS NUFACTURER (NOTIFIER) AT THE	EQUIRED PROGRAMMING TO RESULT GATEWAY FOR THE LAN CONNECTION 'IME OF INSTALLATION.	IN .	17. ALL WIRING WITHI THE EQUIPMENT	N CONTROL EQUIPI	MENT SHALL BE INSTA OR REMOVED WITHOU KES SHALL BE PAINTE	ALLED SO THAT	THE WIRING & THE NG OR MOVING UNRE	EQUIPMENT ARE AG ELATED CIRCUITS.	CCESSIBLE. WIRING SH	HALL BE INSTALLED SO	) THAT			
YSTEM/NETWORK SHALL BE INTER OGRAMMED SO THAT UPON THE A ED TO A LISTED CENTRAL STATION	CONNECTED TO THE SYSTEM INSTALL ACTUATION OF AN ALARM, TROUBLE C IN MONITORING SERVICE IN ACCORDAN	ED WITHIN THE CAE AND CTE BU DR SUPERVISORY SIGNAL AT THE NCE WITH NFPA 72.	ILDINGS ON SEPARATE CAMPUS. FIRE ALARM CONTROL UNIT, A		19. PENETRATIONS MA OR GREATER THA USING SUCH MAT	ADE IN ANY FIRE R N THE PENETRATED ERIALS, SUBMIT CO	ATED BARRIER, SUCH O ASSEMBLY. PROPRIE DMPLETE MANUFACTURI	AS STAIRWELLS TARY FILLER M ER'S INFORMATI	S, SHALL BE FILLED ATERIALS MUST BE A ION FOR APPROVAL.	& PATCHED WITH A APPROVED OR LISTE	A MATERIAL THAT PRO D AS FIRE—RATED FIL	DVIDES A FIRE RATING LLER MATERIALS. PRIOR	EQUAL TO R TO			
ATION APPLIANCE CIRCUIT EXTEND TO POWER PANELS ON A DEDICA OP DRAWINGS AND CALCULATIONS. LOCATIONS WHERE POWER BOOS	DER PANELS, AND SPEAKER CIRCUIT ATED CIRCUIT AS PART OF CONTRACT STER PANELS CAN BE LOCATED. COO	POWER PANELS AS REQUIRED FO F. FINAL QUANTITIES OF POWER E DRDINATE FINAL LOCATIONS OF PO	R THE COMPLETE INSTALLATION OF OOSTER PANELS SHALL BE BASED ( WER BOOSTER PANELS IN THE FIELI	) N	20. DETERMINE BEST FITTINGS REQUIRE EXISTING STRUCTI RACEWAYS SHALL	LOCATION FOR ROU D FOR PROPER IN JRAL, MECHANICAL, NOT BE RUN EXP	UTING/RE-ROUTING A ISTALLATION, COORDIN/ ELECTRICAL INSTALLA POSED.	LL ASSOCIATED ATION WITH OTH ATIONS & AVOID	RACEWAYS. RACEWA HER TRADES, &/OR <sup></sup> ANY/ALL OBSTRUC1	Y ROUTING SHOWN TO MAINTAIN PROPE TIONS OR INTERFERI	SHALL BE USED & A ER CLEARANCES SHALI ENCE'S WITH FIRE AL/	NY ADDITIONAL OFFSET L BE PROVIDED. VERIF ARM RACEWAY ROUTING	TS OR Y G.			
LOCATIONS OF EXISTING BUILDIN OF EXISTING POWER PANELS AND FACP, POWER PANELS, ETC.) WHIC POWER, ETC.). VERIFY SITE POWE	NG POWER PANELS WHICH CONTAIN S D SPARE CAPACITIES IN THE FIELD P CH IS COMPATIBLE WITH THE AVAILAB ER/ELECTRICAL REQUIREMENTS PRIOR	SPARE BREAKER LOCATIONS THAT PRIOR TO BID. BLE POWER SUPPLY WITHIN EACH TO BID.	CAN BE UTILIZED TO POWER NEW BUILDING (I.E. SINGLE OR THREE	:	21. THE BASE BUILDI SUBJECT TO RES 22. ALL FIRE PROTEC	NG "CONTRACT DRA PECTIVE PROVISION CTION SYSTEMS ARE	AWINGS" INCLUDING AI IS THEREOF. E SHOWN SCHEMATICAI	LL RESPECTIVE	ADDENDA & BULLET	INS SHALL FORM A	PART OF THIS WORK	& ALL WORK SHALL NENTS. CONTRACTOR IS	BE S		417 NEW KARNER ROA TEL: (518) 275-0791 www.ran NYS CEF	AD, ALBANY, NY 12205 FAX: (518) 275-0792 RTIFICATE
VICES AND APPLIANCES AS INDICA ECESSARY FOR THE INSTALLATION	ATED ON THIS SET OF DRAWINGS. DO I OF DEVICES AND APPLIANCES AS S	) NOT REUSE EXISTING CONDUIT, SHOWN ON THIS SET OF DRAWING	WIRING, BACK BOXES, ETC. PROVIDE S. PROVIDE WIRING FOR ALL NEW	:	23. THE FIRE ALARM TO THE AUTHORIT DRAWINGS SHALL	LAYOUT SHOWN ON TIES HAVING JURISE BE SUBMITTED TO	N THE CONTRACT DOC DICTION. THE WORK O THE ENGINEER.	CUMENTS ARE T F THE CONTRAC	TO DEFINE THE DESIC CT INCLUDES SHOP I	GN INTENT FOR CON DRAWINGS FOR THE	MPETITIVE BIDDING &	FOR PRELIMINARY SUB N CONDITIONS. THE SH	BMISSION IOP		OF AUTHO NUMBER UNAUTHORIZED A ADDITIONS TO TH A VIOLATION OF S	ORIZATION 0019726 ALTERATIONS OR HIS DOCUMENT IS SECTION 7209 OF
IAL FIRE ALARM AND SIGNALING C IAL ELECTRICAL CODE K STATE. ATE.	CODE.			:	24. EGRESS DOOR SV 25. THE ACCEPTANCE FOR ANY OTHER	WING MAY NOT BE TESTING OF THE AUTHORITY HAVING	AS SHOWN ON PLANS FIRE ALARM SYSTEM S JURISDICTION OF MAI	S. LOCATE MAI SHALL BE INCLI NDATORY FIRE A	NUAL PULL STATIONS UDED IN THE CONTR ALARM TESTING & C	ON DOORKNOB SI ACT. BEAR THE COS OMMISSIONING.	DE OF DOOR WITHIN ST OF ANY FEES FRO	5 FT OF DOOR. M THE FIRE DEPARTME	ENT &		THE NEW YORK S LAW. THESE DOO THE EXCLUSIVE P ENGINEER, AND M FOR ANY PURPO WITHOUT THE WI OF THE H	STATE EDUCATION CUMENTS REMAIN PROPERTY OF THE WAY NOT BE USED OSE WHATSOEVER WHATSOEVER KITTEN CONSENT FNGINFFR
TION SYSTEM SHALL PROVIDE INTE	ELLIGIBILITY IN ALL ROOMS AND ACOU	USTICALLY DISTINGUISHABLE SPAC	ES WHERE SPEAKERS ARE PROVIDED	)	26. PROVIDE PRIMARY	' & BATTERY BACK	UP POWER & ALL AS	SOCIATED WIRIN	NG TO ACCOMPLISH N	WORK. Han five feet awa		EVITS & MOUNTED 48"			@	
COPPER. STRANDED WIRING MUST MPRESSION TYPE FITTINGS AND CO	NOT BE USED. CONDUIT MUST BE F OUPLINGS.	RIGID METAL OR ELECTRICAL META	LLIC TUBING, WITH A MINIMUM INSID	E	THE FINISHED FL	OOR. ALING SYSTEM NOT	IFYING SPEAKERS SHA	ALL BE WIRED -	TO THE LOWEST WAT	TAGE TAP WHILE MA	AINTAINING REQUIRED	AUDIBILITY AND INTELLI	LIGIBILITY		S	<b>9ying</b> -0350
DED AT THE APPROXIMATE LOCATIO MOKE DETECTORS SHALL BE PRO DRS IN ALL HVAC SYSTEMS GREAT WHERE DUCT SMOKE DETECTORS ETERMINE ALL DUCT SMOKE DETEC	ONS INDICATED ON THESE DRAWINGS, DVIDED IN THE FIELD BASED ON EXIS TER THAN 2,000 CFM. ALL CODE REC S ARE PROVIDED ON HAVC SYSTEMS, CCTOR LOCATIONS DURING REQUIRED	, WITH FINAL QUANTITIES AND LO STING HVAC SYSTEMS AS REQUIRE QUIRED DUCT SMOKE DETECTORS , SEPARATE DUCT DETECTOR'S SH PRE-BID SITE OBSERVATIONS.	CATIONS VERIFIED IN THE FIELD FOR D BY NFPA—72 AND THE STATE SHALL BE INSTALLED THROUGHOUT ALL BE PROVIDED ON SUPPLY AND	:	LEVELS. 29. ALL DEVICES SHA 30. FIRE ALARM SIGN	ALL BE UL/FM LIST	ED FOR USE WITH TH	HE FIRE ALARM COVERAGE IS	SYSTEM. PER NFPA 72 PUBL	IC MODE, THE AMER	RICANS WITH DISABILIT	TIES ACT (ADA), & FIRE	E CODE		₹TE	● SULV( (845)615-
BE PROVIDED IN ACCORDANCE W FUEL BURNING APPLIANCE AND IN	WITH THE BUILDING AND FIRE CODES N ADJACENT ROOMS/COMMUNICATING	OF NEW YORK STATE. CARBON I SPACES TO THE FUEL BURNING	IONOXIDE DETECTORS SHALL BE APPLIANCE ROOM, AS WELL AS WITH	IN .	31. WHEN THE FIRE A	ALARM SYSTEM IS A	ACTIVATED, ALL SPEAK RE CODE OF NEW YOR	KER/STROBES A RK AND NFPA 7	AND STROBES SHALL 72. ALL AUDIO/STROF	OPERATE IN A SYN BES SHALL BE ADA	NCHRONIZED MANNER. APPROVED & SYNCH	ALARM FOR BUILDING IRONIZED. CANDELA RA	G TING AS			<b>i</b> 10924
N HVAC SYSTEMS AND CLOSE FIRE THE FIELD AND PROVIDE ALL REQ IM OPERATES DOOR OPEN HOLDEF	E/SMOKE DAMPERS. LOCATIONS OF F QUIRED LABOR, MATERIALS AND PROG	FIRE/SMOKE DAMPERS ARE NOT S RAMMING TO INTEGRATE INTO THI BUILDINGS AND MAINTAIN EXISTIN	HOWN ON THESE DRAWINGS. FIRE ALARM SYSTEM. G CONDITIONS. REFER TO SEQUENCI	-	NOTED. 32. ALL DOOR HOLD 33. ALL DUCT SMOKE	OPEN DEVICES SH	ALL BE CONNECTED T	TO THE FIRE AL	ARM SYSTEM.	OR INACCESSIBLE L	LOCATION, SHALL BE	PROVIDED WITH A LISTE	ED		00	archite Ew York
RE AMBIENT CONDITIONS ARE NOT	TE ANNUNCIATOR. T SUITABLE FOR "STANDARD" EQUIPM	IENT, SUCH AS SHOWER ROOMS,	COOLERS, KITCHENS, MECHANICAL		34. THE FIRE ALARM 35. PROVIDE LIGHTNIN	SYSTEM SHALL BE	PROGRAMMED SUCH	THAT ALL HVAC	C SYSTEMS SHUT DO	WN UPON FIRE ALA GHTNING SUPPRESSI	ARM SIGNAL. ON AND SURGE SUPF	PRESSORS PER NFPA-7	72 AND		<b>NS</b>	<b>nning</b> ● SSHEN, NI
DULES AND/OR RELAY MODULES A THE FIRE ALARM SYSTEM.	AS REQUIRED THROUGHOUT THE BUIL	DING BASED ON MANUFACTURER	REQUIREMENTS AND AS REQUIRED T	0	36. PROVIDE DUCT SI	MOKE DETECTION W	VITHIN ALL HVAC SYST	IEMS PER APPL	LICABLE CODES, EVEN	N IF NOT INDICATED	ON THESE DRAWINGS	S.	ſ	S	4	• <b>ріа</b> ЕЕТ, 60
ND VENDOR SHALL BE LICENSED I BE NICET IV CERTIFIED IN FIRE /	IN THE STATE OF NEW YORK FOR FIL ALARM SYSTEMS, IN ACCORDANCE WI	IRE ALARM SYSTEMS INSTALLATION ITH THE PROJECT SPECIFICATIONS	. THE CONTRACTOR'S PROJECT											MPU	AN	MAIN STR
OF COMPONENTS OF ONE (1) MA FACTURER. THE FACP AND NETWOR	ANUFACTURER. ALL DEVICES, APPLIANO RK MANUFACTURER SHALL BE NOTIFII	CES AND EQUIPMENT INSTALLED : ER.	SHALL BE LISTED FOR USE WITH AN	D										CA		engin 252 r
IN ACCORDANCE WITH THE REQU	VEEN THE APPLICABLE CONTRACT DOC	CUMENTS, THE MOST STRINGENT	REQUIREMENTS SHALL APPLY TO THE											AL TZ		
IN COMPLIANCE WITH THE 20 IN COMPLIANCE WITH NFPA-72, ACTOR'S SHOP DRAWINGS AND SH	NATIONAL FIRE ALARM AND SIGNALING HALL BE REVIEWED AND APPROVED B	FIRE ALARM AND SIGNALING COD IG CODE, 2016 EDITION. FINAL LO BY THE ENGINEER AND DIRECTOR'	 CATION OF AUDIBLE NOTIFICATION 5 REPRESENTATIVE.											N P/ -016	ST	
NSTALLATION THROUGHOUT PROJEC -BUILT DRAWINGS AT PROJECT CO	CT. CONTRACTOR SHALL BE ABLE TO COMPLETION WITH THE O+M MANUAL.	) PROVIDE RED-LINE DRAWINGS / DRAWINGS SHALL BE AVAILABLE	ND/OR AS-BUILT DRAWINGS AT ANY N PDF AND AUTOCAD FORMATS.	,										NEV -003	(MBO	RK
XAMINATION OF THE PREMISES PRI IE PREMISES. THE THOROUGH EXA G/PLENUM DETECTION AND DUCT S M. ANY CHANGES TO THE DESIGN NO ADDITIONAL COSTS BEYOND T	TIOR TO PREPARING A PROPOSAL. THE AMINATION SHALL INCLUDE ABOVE CE SMOKE DETECTION. ALL EXISTING CO MADE NECESSARY BY FIELD CONDITI THE PROPOSAL PRICE WILL BE ACCEP	E CONTRACTOR'S NICET IV FIRE A ILLING INSPECTIONS/OBSERVATIONS INDITIONS AND AREAS OF DETECT IONS SHALL BE CONVEYED TO TH PTED FOR FIELD CONDITIONS THA	LARM TECHNICIAN/VENDOR SHALL B TO VERIFY ALL AREAS OF THE ON/NOTIFICATION COVERAGE SHALL E DIRECTOR'S REPRESENTATIVE AND COULD HAVE BEEN DETERMINED B	E BE Y										)G. @ )-00- 1-	JILDING AND SY ROJECTS	ITY BOCES CAMPUS , NEW YO
VAC ZONE WITHIN THE BUILDING. HVAC ZONE CAN BE SEQUENCED	AT A MINIMUM, EACH HVAC ZONE SI WITHIN INDIVIDUAL CARBON MONOXID	HALL BE PROVIDED WITH A SEPA DE ALARM NOTIFICATION AS REQUI	RATE NOTIFICATION APPLIANCE CIRCU RED BY THE FIRE CODE OF NEW	IT,					<u>SITE PLA</u>	N FOR RE	FENCE (NO	OT TO SCAL	<u>_E)</u>	90-00	VIN BU VOTES	R COUN PALTZ COUNTY
CUITS AND WIRING. PROVIDE NEW R SUPPORTS IN ABOVE CEILING A TO INSTALL WIRING IN CONDUIT IN E ALL SPACES WHICH CONTAIN DR	/ CIRCUITS AND WIRING THROUGHOUT AREAS AND USE NEW CONDUIT STUBS N ABOVE CEILING PLENUM SPACES. A ROP CEILINGS VS. EXPOSED CEILINGS	THE ENTIRE BUILDING. PROVIDE S WHEN PROJECTING DOWN FROM ALL EXPOSED WIRING/CIRCUITS SH S DURING THOROUGH EXAMINATION	PLENUM RATED FIRE ALARM CABLES I THE CEILING TO WALL MOUNTED ALL BE INSTALLED WITHIN CONDUIT. I OF THE PREMISES PRIOR TO				E OF NEW LO		CR BLD	c.	MAINT.	_		MHRIG T # 62-	ALARM I CAP	ULSTER NEW ULSTER
WIRING AND CONDUIT SHALL BE TED EQUIPMENT IS PERMITTED. WH INSTALLATION. IF CEILING TILES AF	INSTALLED ABOVE THE CEILING. WHEN HERE EQUIPMENT IS INSTALLED ABOV RE BROKEN/DAMAGED DURING CONST	RE GWB OR HARD CEILINGS OR /E DROP CEILINGS, REMOVE AND TUCTION, THE CEILING TILES SHAI	EXPOSED CEILINGS ARE PRESENT, TI RE—INSTALL CEILING TILES AS L BE REPLACED IN KIND AS PART	1E DF				au	RM BLD	1 G.				JG. & JJECT	FIRE	
E (5) YEAR TESTING, INSPECTION	AND MAINTENANCE CONTRACT. REFER	R TO PROJECT SPECIFICATIONS F	DR ADDITIONAL INFORMATION.			ASED .	079481 E	[				ADMIN BUILDING		N. BLL D PR(	Job No. 4.132 File No. 4134	42.24 4224A502
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LES C XP AN R ON UITS SPEAI	N SLC'S PER MANUFACTURER D THE FIRST DEVICE ON THE A DEDICATED CIRCUIT AS RE BETWEEN FACP AND POWER F KER PANELS SHALL BE BASEI	'S REQUIREMENTS. SLC LOOP SHALL BE PROVIDED WITH EQUIRED. PANELS, NAC PANELS, SPEAKER EQUIF D ON CONTRACTOR'S SHOP DRAWINGS	I PATHWAY SURVIVABILITY LEVEL PMENT PANELS, ETC. FINAL QUA AND BATTERY/VOLTAGE DROP	2 AS DEFINED BY NFP NTITIES OF CALCULATIONS AND SH	A-72. IALL BE		
DR'S TED V ITERY ATED ITERY ESSIO	COMPLETE SYSTEM RISER DIA WITH ADMIN BUILDING FIRST F /VOLTAGE DROP/SPEAKER C/ WITH ADMIN BUILDING FIRST /VOLTAGE DROP/SPEAKER C/ N DEVICE PER MANUFACTURE	GRAM. LOOR NOTIFICATION APPLIANCES. PRO ALCULATIONS AND SHOP DRAWING SUE FLOOR NOTIFICATION APPLIANCES. PRO ALCULATIONS AND SHOP DRAWING SUE R'S REQUIREMENTS (TYPICAL).	VIDE ADDITIONAL CIRCUITS AS R BMISSION. OVIDE ADDITIONAL CIRCUITS AS BMISSION.	EQUIRED BASED ON REQUIRED BASED ON		VLAD POTIYEVSKY, R.A.	Title REGISTERED ARCHITECT License No. 030220-1
						<u>Revis</u>	<u>sions:</u>
	TO FIR REQUIR	RE ALARM CIRCUITS INDICATED ON RISER ED PER FINAL MANUFACTURER/EQUIPME	R DIAGRAM AND AS NT SELECTIONS AND			A17 NEW KARNER IR ( 117 NEW KARNER IR ( 118 NEW KARNER IR ( NYS CE OF AUTH- NUMBER UNAUTHORIZED ADDITIONS TO T A VIOLATION OF THE NEW YORK LAW. THESE DO THE EXCLUSIVE ENGINEER, AND FOR ANY PURP WITHOUT THE W OF THE	ADD. ALEANY, NY 12205 I FAX: (SIM) 275–0792 INTPR-COM RTIFICATE 10RIZATION 0019726 ALTERATIONS OR THIS DOCUMENT IS SECTION 7209 OF STATE EDUCATION COLMENTS REMAIN PROPERTY OF THE MAY NOT BE USED YOSE WHATSOEVER WRITTEN CONSENT ENGINEER.
A WIR THWA WIR D WI E RE E E CALE:	ING TO FACP. AY SURVIVABILITY NG SHALL BE TH A MINIMUM SISTANCE RATING. PROVIDE POWER TO FIRE ALA XISTING BUILDING POWER PANE <b>IEMATIC FIRE /</b> NOT TO SCALE	PROVIDE BATTERIES, POWER BOOSTER NOTIFICATION APPLIANCE CIRCUIT EX PANELS, AND SPEAKER CIRCUIT CONTR AS REQUIRED TO ACHIEVE THE SY PERFORMANCE REQUIRED BY THE CO DOCUMENTS. COORDINATE LOCATIONS IN WITH DIRECTOR'S REPRESENTATION WITH DIRECTOR'S REPRESENTATION L ARM POWER BOOSTER PANEL, ETC. ON A LSS. COORDINATE LOCATIONS AND FINAL PANELS WITH DIRECTOR'S REPRESENT ALARM POWER BOOSTER PANEL, ETC. ON A STATUS WITH DIRECTOR'S REPRESENT	A DEDICATED CIRCUIT SUPPLIED F USE OF EXISTING BUILDING ELEC TATIVE.	rom TRICAL		ASSOCIATES	<b>anning e architecture e surveying</b> oshen, new York 10924 (845)615-0350
					.TZ CAMPUS	LAN /	<b>engineering ● pl</b> 252 Main Street, G
			TE OF	NEW	DG. & MHRIC BLDG. @ NEW PAL OJECT # 62-90-00-00- 1-003-016	ADMIN BUILDING FIRE ALARM RISER DIAGRAM CAPITAL PROJECTS	ULSTER COUNTY BOCES NEW PALTZ CAMPUS ULSTER COUNTY, NEW YORK
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### FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS:

- 1. PRIOR TO CONSTRUCTION, VERIFY ALL EXISTING FIRE ALARM SEQUENCE OF OPERATIONS FOR THE EXISTING FIRE ALARM SYSTEM, INCLUE SHUTDOWN, CLOSING OF DOORS/FIRE SHUTTERS, ETC. THIS SEQUENCE OF OPERATIONS SHALL BE MAINTAINED WITH THE INSTALLATION ( EMERGENCY COMMUNICATION VOICE EVACUATION FIRE ALARM SYSTEM, EXCEPT AS NOTED OTHERWISE BY THE CONTRACT DOCUMENTS. TH SHALL ALSO VERIFY ALL EXISTING CONDITIONS FOR INTERCONNECTIONS BETWEEN THE EXISTING FACP AND ANY BUILDING SUPPLIED BY FACP. AFTER PRE-TESTING OF EXISTING FIRE ALARM SYSTEM IS COMPLETED, VERIFY FINAL SEQUENCE OF OPERATIONS REQUIREMENTS W REPRESENTATIVE.
- ALL SEQUENCE OF OPERATIONS LISTED BELOW SHALL APPLY TO THE MHRIC BUILDING, THE ADMIN BUILDING AND THE MAINTENANCE GA FIRE ALARM OCCURS WITHIN ANY OF THESE BUILDINGS, NOTIFICATION APPLIANCES WITHIN ALL THREE BUILDINGS SHALL ACTIVATE SIMULT RESULTING IN TOTAL EVACUATION OF ALL THREE BUILDINGS.
- ACTUATION OF ONE (1) FIRE ALARM MANUAL PULL STATION, HEAT DETECTOR, AREA SMOKE DETECTOR OR KITCHEN HOOD SUPPRESSION LOCATION WITHIN THE BUILDING SHALL INITIATE THE FOLLOWING OPERATIONS:
   3.1. VISUAL AND AUDIBLE INDICATION ON FACP, ANNUNCIATOR PANELS AND ONYXWORKS WORKSTATIONS.
- 3.2. ENERGIZE ALL AUDIBLE AND "FIRE ALARM" VISIBLE NOTIFICATION APPLIANCES THROUGHOUT THE BUILDING, FOR A TOTAL BUILDING SEQUENCE. THE AUDIBLE ALARM SEQUENCE SHALL BE AS FOLLOWS:
   a) A PUBLIC MODE ALERT TONE OF THREE (3) TO TEN (10) SECONDS.
- b) THE TEMPORAL THREE EVACUATION SIGNAL SHALL SOUND THROUGHOUT THE BUILDING.
- c) THE DEFAULT FIRE ALARM VOICE EVACUATION MESSAGE MUST BE A FEMALE VOICE AND STATE THE FOLLOWING: "MAY I HAVE PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. A FIRE EMERGENCY HAS BEEN REPORTED IN THE BUILDING. PLEASE LEAVE THE THE NEAREST EXIT." UPON COMPLETION OF THIS MESSAGE, THE TEMPORAL THREE EVACUATION SIGNAL SHALL SOUND THROUG BUILDING. THIS SEQUENCE SHALL REPEAT UNTIL SILENCED AT THE FACP OR A REMOTE ANNUNCIATOR, OR A MANUAL PAGE H SELECTED.
- 2.1. TRANSMIT TEXTUAL MESSAGES OVER THE LED SIGNAGE SYSTEM. COORDINATE MESSAGE REQUIREMENTS WITH DIRECTOR'S REPRESEN FINAL PROGRAMMING.
- 2.2. TRANSMIT EMAIL AND TEXT MESSAGE NOTIFICATIONS OVER THE ONYXWORKS SYSTEM, AS REQUIRED BY THE DIRECTOR'S REPRESENT 2.3. TRANSMIT ALARM SIGNAL THROUGH THE CLSS GATEWAY TO THE FACILITY'S INFORMACAST SYSTEM. MASS NOTIFICATION MESSAGING F INFORMACAST SYSTEM SEPARATELY FROM FIRE ALARM SYSTEM.
- 2.4. SHUTDOWN OF HVAC SYSTEMS AND RELEASE OF MAGNETIC DOOR HOLDERS. 2.5. CLOSING OF FIRE SHUTTER DOORS, AS APPLICABLE IF CONTROLLED BY THE EXISTING FIRE ALARM SYSTEM.
- 2.6. TRANSMIT FIRE ALARM SIGNAL TO THE CENTRAL STATION.
- 2.7. ACTUATION OF ELEVATOR RECALL DETECTORS SHALL ALSO INITIATE PHASE 1 ELEVATOR RECALL TO THE APPROPRIATE FLOOR.
- ACTUATION OF ONE (1) CARBON MONOXIDE DETECTOR AT ANY LOCATION WITHIN THE BUILDING SHALL INITIATE THE FOLLOWING OPERATIO 3.1. VISUAL AND AUDIBLE INDICATION ON FACP, ANNUNCIATOR PANELS, AND ONYSWORK WORKSTATIONS.
   BURGIZE ALL AUDIBLE AND VISIBLE NOTIFICATION APPLIANCES THROUGHOUT THE HVAC ZONE WHERE CO DETECTION HAS OCURRED EVACUATION SEQUENCE OF ONLY THAT HVAC ZONE. THE AUDIBLE ALARM SEQUENCE SHALL BE AS FOLLOWS:
  - a) A PUBLIC MODE ALERT TONE OF THREE (3) TO TEN (10) SECONDS.b) THE TEMPORAL FOUR EVACUATION SIGNAL SHALL SOUND THROUGHOUT THE BUILDING.
  - c) THE TENT ONAL FOON EVACORTION SIGNAL SHALL SOUND THROUGHOUT THE BUILDING.
     c) THE DEFAULT CO ALARM VOICE EVACUATION MESSAGE MUST BE A FEMALE VOICE AND STATE THE FOLLOWING: "MAY I HAVE Y PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. A CARBON MONOXIDE ALARM HAS BEEN REPORTED WITHIN THIS AREA OF THE PLEASE LEAVE THE BUILDING BY NEAREST EXIT." UPON COMPLETION OF THE MESSAGE, THE TEMPORAL FOUR EVACUATION SIGNAL SHALL SUCH A CARBON ADDITION OF THE MESSAGE, THE TEMPORAL FOUR EVACUATION SIGNAL SHALL REPEAT UNTIL SILENCED AT THE FACP OR A REMOTE ANNUNCIATOR, OR A MANUAL PAGE HAS TRANSMIT TEXTUAL MESSAGES OVER THE LED SIGNAL SOUTH ADDITION OF THE MESSAGE AND THE FACT OF A REMOTE ANNUNCIATOR. OR A MANUAL PAGE HAS TRANSMIT TEXTUAL MESSAGES OVER THE LED SIGNAL SOUTH ADDITION OF THE MESSAGE AND THE FACT OF A REMOTE ANNUNCIATOR. OR A MANUAL PAGE HAS TRANSMIT TEXTUAL MESSAGES OVER THE LED SIGNAL SOUND.
- 3.1. TRANSMIT TEXTUAL MESSAGES OVER THE LED SIGNAGE SYSTEM. COORDINATE MESSAGE REQUIREMENTS WITH DIRECTOR'S REPRESENT FINAL PROGRAMMING.
   3.2. TRANSMIT EMAIL AND TEXT MESSAGE NOTIFICATIONS OVER THE ONYXWORKS SYSTEM, AS REQUIRED BY THE DIRECTOR'S REPRESENT.
- 3.3. TRANSMIT ALARM SIGNAL THROUGH THE CLSS GATEWAY TO THE FACILITY'S INFORMACAST SYSTEM. MASS NOTIFICATION MESSAGING I INFORMACAST SYSTEM SEPARATELY FROM FIRE ALARM SYSTEM.
   3.4. SHUTDOWN OF HVAC SYSTEMS AND RELEASE OF MAGNETIC DOOR HOLDERS.
- a) THE CO ALARM SHALL ONLY SHUT DOWN HVAC EQUIPMENT WHICH SERVES THE DETECTION ZONE OF THE CO DETECTOR WHIC ALARM.
- 4. ACTIVATION OF ONE DUCT SMOKE DETECTOR OR ONE PLENUM SPACE (I.E. ABOVE CEILING) DETECTOR AT ANY LOCATION WITHIN THE BU INITIATE THE FOLLOWING OPERATIONS:
  4.1. VISIBLE AND AUDIBLE INDICATION ON THE FACP AND ANNUNCIATOR PANELS.
- 4.2. VISIBLE INDICATION ON THE ACCESSIBLE/VISIBLE INDICATOR ASSOCIATED WITH THE DETECTING DEVICE. 4.3. SHUTDOWN OF HVAC SYSTEM AND ALL HVAC EQUIPMENT ASSOCIATED WITH THE HVAC ZONE WHERE THE DETECTION HAS OCCURRED
- 4.4. TRANSMIT TEXTUAL MESSAGES OVER THE LED SIGNAGE SYSTEM. COORDINATE MESSAGE REQUIREMENTS WITH DIRECTOR'S REPRESEN FINAL PROGRAMMING.
- 4.5. TRANSMIT EMAIL AND TEXT MESSAGE NOTIFICATIONS OVER THE ONYXWORKS SYSTEM, AS REQUIRED BY THE DIRECTOR'S REPRESENT, 4.6. REPORT A SUPERVISORY SIGNAL TO THE CENTRAL STATION.
- 5. ALL TROUBLE, SUPERVISORY AND ALARM SIGNALS SHALL BE REPORTED AUTOMATICALLY TO THE CENTRAL STATION MONITORING SERVIC
- SHOP DRAWING SUBMISSION SHALL PROVIDE A COMPLETE FIRE ALARM SEQUENCE OF OPERATIONS MATRIX IN ACCORDANCE WITH NFPA THE EXISTING KITCHEN HOOD SUPPRESSION SYSTEMS SHALL BE MONITORED FOR TROUBLE, ALARM AND SUPERVISORY CONDITIONS PER
- REQUIREMENTS.

	& MHRIC BLDG. @ NEW PALTZ CAMPUS CT # 62-90-00- 1-003-016	ADMIN BUILDING       ADMIN BUILDING         ADMIN BUILDING       LER ALARM DETALS         FIRE ALARM DETALS       ULAD ASSOCIATES         Image: State of the state of t	
PROFESSIONAL LING	ADMIN. BLDG. & MHRIC BLDG. NYSED PROJECT # 62-90-00	IDD NO. 4.1342244502 TER PROJEC CAPITAL PROJEC CAPITAL PROJEC ULSTER COUNTY BE ULSTER COUNTY NET	3

	A	В	C	D	E	F	G	н	J	K	м
1	LEGE	ND:			SCOPE OF WORK					· · ·	FIRE ALARM SYSTEM
	FACP -	- ADDRESSABLE EMERGENCY COMMUNIC PANEL AND EQUIPMENT FOR AUTOMAT FIRE ALARM PANEL SHALL BE A NOTI	CATION VOICE EVACUATION FIRE ALAF TIC AND MANUAL LIVE VOICE MESSA TELER NES(2)-3030 FACP THE FAC	RM CONTROL GING. THE P WILL	1. THIS SCOPE OF WORK APPLIES CR, RM, AND IS BUILDINGS. REF	TO FIRE ALARM SYSTEM REPLACEMENT I ER TO DRAWINGS FOR THESE ADJACENT	N ULSTER BOCES MHRIC BUILDING BUILDINGS FOR INSTALLATION REC	. THE FIRE ALARM SYSTEM WITH DUIREMENTS.	HIN THIS BUILDING SHALL ALSO SUF	PPLY NEW FIRE ALARM SYSTEMS WITH THE ADMIN,	1. SECONDARY POWER SHALL BE PROVIDE STANDBY AND 30 MINUTES ALARM.
	ANN -	SERVES AS THE FACP FOR THE MHR ADDRESSABLE NETWORK REMOTE ANN TO INITIATE LIVE VOICE COMMANDS. A	RIC, ADMIN, CR, RM, AND IS BUILDIN NUNCIATOR WITH PHONE/MICROPHON ANNUNCIATOR SHALL BE WIRED. PRO	IGS. IE EQUIPMENT OGRAMMED	2. REMOVE THE EXISTING FIRE ALAR BY THE DIRECTOR'S REPRESENTA	M SYSTEM WITHIN THE MHRIC BUILDING TIVE.	. EXISTING SYSTEM SHALL REMAIN	IN OPERATION UNTIL FULL ACC	EPTANCE OF EMERGENCY COMMUNI	CATION VOICE EVACUATION FIRE ALARM SYSTEM	2. INSTALLATION WORK SHALL NOT PROCE WITH THE REQUIREMENTS OF THE CON
		AND INSTALLED SUCH THAT ANY FIRE BUILDING CAN BE REPORTED TO, ACK THE LOCATION OF THIS ANNUNCIATOR	E ALARM SIGNAL AND COMMAND WIT KNOWLEDGED, SILENCED AND CLEAR R, INCLUDING ALL PRE-SET VOICE C	HIN THE ED FROM COMMANDS	2.1. THE EXISTING MHRIC BUILDIN SUPPLIES MULTIPLE EXISTING	G FIRE ALARM SYSTEM IS SUPPLIED BY BUILDINGS AND SHALL REMAIN OPERAT	A FACP LOCATED WITHIN THE AD IONAL DURING INSTALLATION OF TH	IACENT MAINTENANCE GARAGE ( IE NEW MHRIC BUILDING FIRE A	EDWARDS EST FACP). THE EDWARDS ALARM SYSTEM.	S FACP WITHIN THE MAINTENANCE GARAGE	A A WORKING SET OF DOCUMENTS SHAL
2		AND THE ABILITY TO GENERATE LIVE THIS LOCATION. NETWORK WIRING/CAE	VOICE COMMANDS VIA PHONE/MICR BLING BETWEEN THE FACP AND REM M 2-HOUR FIRE RESISTANCE RATIN	OPHONE AT MOTE G. (INSTALL	2.2. UPON COMPLETION OF THE N SIMULTANEOUSLY. PROVIDE A RETAIN THE SERVICES OF AN	IEW MHRIC BUILDING FIRE ALARM SYSTE LL REQUIRED EQUIPMENT, WIRING, PROG EDWARDS APPROVED VENDOR AND TEC	EM, THE SYSTEM SHALL BE PROGR RAMMING, ETC. TO INTERCONNECT HNICIAN TO PERFORM ALL REQUIR	AMMED SUCH THAT THE MHRIC THE NEW MHRIC FACP AND TH ED WORK ON THE EXISTING ED'	BUILDING, MAINTENANCE GARAGE AI E EXISTING EDWARDS FACP TO ACH WARDS FACP FOR COMPLETION OF	ND ADMIN BUILDING ALL EVACUATE IEVE THE REQUIRED SEQUENCE OF OPERATIONS. THE SCOPE OF WORK.	SHALL BE AVAILABLE FOR INSPECTION MAINTAINED ON A 48-HOUR BASIS: AS RECORDED ON THE DRAFT AS-BUILT F
		PER NFPA-70, NFPA-72 AND MANUF PATHWAY SURVIVABILITY LEVEL 2 AS	FACTURER'S REQUIREMENTS, AND PF DEFINED BY NFPA-72).	ROVIDE	2.3. PRIOR TO INSTALLATION OF E AND TEST ALL FIRE ALARM D	MERGENCY COMMUNICATION VOICE EVAC EVICES WITHIN THE BUILDING. THE PRE	UATION FIRE ALARM SYSTEM, PROV TEST SHALL VERIFY/DETERMINE A	/IDE COMPLETE PRE-TESTING O LL EXISTING FIRE ALARM DEVICI	N THE EXISTING FIRE ALARM SYSTE E LOCATIONS AND ALL EXISTING FIRE	M. THE PRE-TESTING SHALL LOCATE, INSPECT RE ALARM SYSTEM SEQUENCE OF OPERATIONS,	EQUIPMENT, THE ROUTING & CONNECT CONSULT THE PROJECT SPECIFICATIONS DOCUMENTS SHALL BE TURNED OVER
	WORK -	INDICATES APPROXIMATE LOCATION OF EXACT LOCATION IN THE FIELD WITH	ALARM AND NETWORKING STSTEM. S F SYSTEM GRAPHICAL WORKSTATION THE DIRECTOR'S REPRESENTATIVE).	VERIFY PROVIDE	SIZE/GAUGE, AND QUANTITIES OPERATIONS IN DETAIL SHALL	FOR ALL INTERCONNECTIONS BETWEEN BE PROVIDED TO THE DIRECTOR'S REF	ALL BUILDINGS SUPPLIED BY THE PRESENTATIVE AND ENGINEER FOR	EXISTING EDWARDS FACP. A R REVIEW PRIOR TO SHOP DRAWI	REPORT FROM THE PRE-TEST SHALL I EPORT FROM THE PRE-TEST WHICH NG SUBMITTALS AND INSTALLATION	I LISTS THE EXISTING FIRE ALARM SEQUENCE OF OF THE EMERGENCY COMMUNICATION VOICE	5. ALL INSTALLATION WORK SHALL CONFO NATIONAL FIRE ALARM CODE (2016 ED
	_	MINIMUM 22" MONITOR WITH GRAPHIC EQUIPMENT, HARDWARE, SOFTWARE, A INSTALLATION OF THE NOTIFIER ONYX'	CAL WORKSTATION. PROVIDE ALL REC AND PROGRAMMING FOR THE COMPL (WORKS/CLSS HORIZON SYSTEM.	QUIRED ETE	3. PROVIDE AND INSTALL AN ADDRE	SSABLE EMERGENCY COMMUNICATION VC	N SHALL BE MAINTAINED THROUGH	CTION AND NOTIFICATION SYSTE	M THROUGHOUT THE MHRIC BUILDIN	NG. THE INTENT IS THAT THE FIRE ALARM PANEL	6. ALL INITIATING DEVICES, CONTROL MOD INSTALLED ON STANDARD ELECTRICAL I
	<ul><li>(s) -</li><li>(s) -</li></ul>	SPOT-TYPE SMOKE DETECTOR. SMOKE WITH THE 7TH EDITION OF UL 268.	E DETECTOR SHALL BE LISTED IN A		3.1. ALL EQUIPMENT SHALL BE M	ANUFACTURED BY NOTIFIER. THE FACP	SHALL BE A NOTIFIER NFS(2)-303	0 FACP,	ATET (KETEK TO AFFEIGABLE DIA	wino57.	7. WHERE EQUIPMENT MUST BE INSTALLEI FIXTURE BARS OR OTHER SUPPORT SH
3		SMOKE DETECTOR SHALL BE LISTED I 268.	IN ACCORDANCE WITH THE 7TH EDIT	TION OF UL	3.2. THE BUILDING SHALL BE PRO VOICE/ALARM COMMUNICATION MICROPHONE AT THE FACP F	DTECTED WITH AN ADDRESSABLE FIRE AU I FUNCTIONS. THE FIRE ALARM SYSTEM OR TRANSMISSION OF MANUAL VOICE M	ARM CONTROL PANEL WITH DIGITA SHALL BE PROVIDED WITH PRE-S ESSAGES, FACP SHALL BE DESIGNI	VOICE COMMAND AND HIGH S ET VOICE EVACUATION MESSAGE D AND PROGRAMMED TO TRAN	SPEED NETWORKING CAPABILITY. FIRE IS AND SHALL HAVE THE ABILITY FO SMIT AUTOMATIC AND MANUAL VOICE	E ALARM PANEL SHALL PROVIDE EMERGENCY OR MANUAL MESSAGING OVERRIDE. PROVIDE E MESSAGES THROUGHOUT THE BUILDING.	8. CABINET ASSEMBLY & MOUNTING SHAL NO MORE THAN 72 INCHES ABOVE TH
	s –	DUCT SMOKE DETECTOR. PROVIDE AT PROVIDE AT ADDITIONAL LOCATIONS R MECHANICAL CODE AS PART OF THE	LOCATIONS INDICATED ON DRAWING REQUIRED BY NFPA-72 AND THE NE BASE-BID CONTRACT AS DETERMINE	S AND EW YORK ED IN THE	PROVIDE POWER TO FACP ON 3.3. THE BUILDING WILL BE PROV	I A DEDICATED CIRCUIT. PROVIDE ADDITI	ONAL POWER PANELS AS REQUIRE	D PER CONTRACTOR'S BATTERY S OF REMOTE ANNUNCIATORS A	CALCULATIONS FOR COMPLETE INS	TALLATION OF THE FIRE ALARM SYSTEM. ND FINAL LOCATIONS SHALL BE VERIFIED IN THE	9. CONTROL UNITS SHALL BE INSTALLED NFPA 70, NATIONAL ELECTRICAL CODE.
	<u></u> — –	REQUIREMENTS.	DUCI DETECTOR PER MANUFACTURE	R BASED ON	FIELD WITH THE DIRECTOR'S EQUIPMENT TO INITIATE LIVE ACKNOWLEDGED, SILENCED A	REPRESENTATIVE. REMOTE ANNUNCIATOR VOICE COMMANDS. ANNUNCIATORS SHAL ND CLEARED FROM THE LOCATION OF A	S SHALL BE COMPATIBLE WITH THI L BE WIRED, PROGRAMMED AND IN NY ANNUNCIATOR, INCLUDING ALL	E ADDRESSABLE FACP. PROVIDE STALLED SUCH THAT ANY FIRE PRE-SET VOICE COMMANDS AI	ADDRESSABLE NETWORK REMOTE A ALARM SIGNAL AND COMMAND WIT ND THE ABILITY TO GENERATE LIVE	NNUNCIATORS WITH PHONE/MICROPHONE HIN THE BUILDING CAN BE REPORTED TO, VOICE COMMANDS THROUGHOUT THE BUILDING	10. ALL CABLES OR CONDUITS SHALL ENT
		AMBIENT CONDITIONS PER NFPA-72 - COMBINATION SPOT TYPE HEAT DETECT	REQUIREMENTS. CTOR AND CARBON MONOXIDE DETER	CTOR.	VIA PHONE/MICROPHONE AT NFPA-70, NFPA-72 AND MA PROVIDE ADDITIONAL POWER	THE ANNUNCIATOR LOCATION. SHALL NUFACTURER'S REQUIREMENTS, AND PF PANELS AS REQUIRED PER CONTRACTOF	HAVE A NETWORK WIRING/CABLING ROVIDE POWER TO ANNUNCIATOR O R'S BATTERY CALCULATIONS.	BETWEEN THE FACP AND EACH N A DEDICATED CIRCUIT PROVID	H REMOTE ANNUNCIATOR MINIMUM 2 DE PATHWAY SURVIVABILITY LEVEL 2	–HOUR FIRE RESISTANCE RATING (INSTALL PER AS DEFINED BY NFPA–72). AS REQUIRED.	11. AUDIBLE NOTIFICATION APPLIANCES, VIS SAME STYLE BACKBOX & SHALL BE C
		PROVIDE APPROPRIATE TEMPERATURE NFPA-72 REQUIREMENTS.	RATING BASED ON AMBIENT CONDIT		3.4. PROVIDE NOTIFIER ONYXWORK INSTALLATION OF THE ONYXW	S/CLSS HORIZON–LAN CONNECTED GRA ORKS/CLSS HORIZON SYSTEM. PROVIDE	APHICAL WORKSTATION SYSTEM. PR MINIMUM 22" MONITOR ON THE S	OVIDE ALL REQUIRED WORKSTAT YSTEM GRAPHICAL WORKSTATION	IONS, EQUIPMENT, HARDWARE, SOFT N. PROVIDE FACILITY REPRESENTATIV	WARE AND PROGRAMMING FOR THE COMPLETE E WITH ALL INFORMATION RELATIVE TO	13. ALL CONNECTIONS TO CONTROLS, DEVI PART OF THE CONTROL, DEVICE, OR A
4	× -	<ul> <li>"FIRE".</li> <li>75 CANDELA CEILING-MOUNTED SPEA</li> </ul>	AKER/STROBE, UNLESS NOTED OTHE	RWISE.	PROGRAMMING AND FUNCTION TO FINAL INSTALLATION. THE ONYXWORKS/CLSS HORIZON	ALITY OF ONYXWORKS/CLSS HORIZON S ONYXWORKS/CLSS HORIZON SYSTEM SH SYSTEM SHALL BE PROVIDED WITH A WI	SYSTEM PRIOR TO FINAL PROGRAMI HALL PROVIDE EMAIL AND TEXT ME LAN/ETHERNET CONNECTION TO AL	MING OF SYSTEM, AND COORDIN SSAGE NOTIFICATION TO SELECT LOW FOR FUTURE NETWORKING	NATE FINAL PROGRAMMING REQUIREN PERSONNEL (COORDINATE CONTAC TO OTHER ONYXWORK/CLSS HORIZ	IENTS WITH DIRECTOR'S REPRESENTATIVE PRIOR TS WITH DIRECTOR'S REPRESENTATIVE). THE ON GRAPHICAL STATIONS WITHIN OTHER	14. ALL CONDUCTOR SPLICES SHALL BE N COVERS SHALL BE PROVIDED AT ALL F
	× -	<ul> <li>DEVICE SHALL BE LABELED "FIRE" AN</li> <li>75 CANDELA WALL MOUNTED SPEAKE PROVIDE CLEAR LENS LABELED "FIRE</li> </ul>	ND SHALL HAVE A CLEAR LENS. ER/STROBE, UNLESS NOTED OTHERW TOR FIRE ALARMS	VISE.	BUILDINGS ON THIS SITE ANE 3.4.1. THE GRAPHICAL WORH ALL APPLICABLE BUIL	FOR INTERCONNECTION WITH ANOTHER (STATIONS SHALL BE PROVIDED WITH SI DINGS BEING PROVIDED WITH NOTIFIER	BOCEES FACILITY CAMPUS. TE PLANS AND FLOOR PLANS. SITE FIRE ALARM SYSTEMS ACROSS BOT	E PLANS SHALL BE THE "MAIN TH CAMPUS'S. IN THE EVENT OF	SCREEN" NORMALLY SHOWN ON THI F AN ALARM OR SIGNAL OF ANY TH	E GRAPHICAL WORKSTATION AND SHALL INCLUDE ME, THE BUILDING EXPERIENCING THE	CONNECTIONS MUST BE MADE. JUNCT EIGHT OR LESS. ALL TERMINALS WITHIN ACCURATELY SHOWN ON THE AS-BUIL
	₩P -	<ul> <li>75 CANDELA WEATHERPROOF WALL N INSTALLATION PROVIDE CLEAR LENS L</li> </ul>	MOUNTED SPEAKER/STROBE FOR OU LABELED "FIRE" FOR FIRE ALARMS	JTDOOR	ALARM/SIGNAL SHALL GRAPHICAL WORKSTAT IS ACTIVATED, SUCH /	BE HIGHLIGHTED OR SHALL "FLASH" O ION. THE INDIVIDUAL BUILDING FLOOR F AS A SMOKE DETECTOR ACTIVATION DUR	N THE GRAPHICAL WORKSTATION. UPLANS SHALL SHOW THE LOCATIONS RING A FIRE, THE IMPACTED DEVICE	JPON "CLICKING" OR SELECTING S OF ALL FIRE ALARM DEVICES SHALL BE HIGHLIGHTED OR "F	G THE IMPACTED BUILDING, THE BUI AND APPLIANCES, LABELED WITH AS FLASH" ON THE GRAPHICAL WORKST	LDING FLOOR PLANS SHALL BE VISIBLE ON THE SSOCIATED DEVICE ADDRESSES. WHEN A DEVICES ATION. PROVIDE ALL REQUIRED PROGRAMMING TO	15. FIRE ALARM SYSTEM WIRING SHALL NO OR LIGHTING CIRCUITS EXCEPT AS ALL
		HATCH INDICATES REMOVAL OF EXISTI	ING FIRE ALARM EQUIPMENT, THE E	XISTING FIRE S ARE	RESULT IN THE COMF 3.4.2. ALL FACP'S SHALL B MANUFACTURER'S REC	LETE FUNCTIONALITY OF THE GRAPHICAL E PROVIDED WITH A LAN CONNECTION T QUIREMENTS.	L WORKSTATION. O TEH LOCAL NETWORK AND EACH	I FACP SHALL BE PROVIDED WI	TH A CLSS GATEWAY FOR THE LAN	CONNECTION IN ACCORDANCE WITH	16. AC & DC WIRING SHALL NOT BE PERM
5	FACP -	<ul> <li>INDICATED ON DRAWINGS.</li> <li>EXISTING EDWARDS EST FACP WITHIN SYSTEM WITHIN THE MAINTENANCE GA</li> </ul>	THE MAINTENANCE GARAGE. THE FI ARAGE IS EXISTING TO REMAIN. PERI	RE ALARM FORM	3.4.3. PROVIDE ONYXWORKS 3.4.4. THE ONYXWORKS/CLS	/CLSS HORIZON SYSTEM WHICH IS THE IS HORIZON SYSTEM/NETWORK SHALL B	LATEST TECHNOLOGY AVAILABLE B E INTERCONNECTED TO THE SYSTE	Y THE MANUFACTURER (NOTIFIE) M INSTALLED WITHIN THE CAE /	R) AT THE TIME OF INSTALLATION. AND CTE BUILDINGS ON SEPARATE	CAMPUS.	SHALL BE INSTALLED SO THAT THE EQ CIRCUITS.
	NAC -	PRE-TESTING ON EXISTING FACP AS FIRE ALARM NOTIFICATION APPLIANCE QUANTITIES PER MANUFACTURER'S RI	OUTLINED ON THE CONTRACT DOCU E CIRCUIT (NAC) POWER PANEL. PR REQUIREMENTS AND CONTRACTORS E	JMENTS. OVIDE FINAL BATTERY	3.5. PROVIDE CLSS GATEWAY(S) A PROGRAMMED TO SEND ALL CONTACTS (NOT IN CONTRAC	ND PROGRAMMING/REQUIRED EQUIPMEN FIRE AND OTHER EMERGENCY ALARM SIG (). COORDINATE REQUIREMENTS AND SIG	T TO ALLOW FOR INTERCONNECTIOI GNALS TO THE INFORMACAST EMER SNALS/SEQUENCE OF OPERATIONS	N WITH THE FACILITY INFORMACA GENCY NOTIFICATION SYSTEM. T FOR "DIAL—OUT" TO THE INFOR	AST EMERGENCY NOTIFICATION SYSTI THE INFORMACAST SYSTEM WOULD T MACAST SYSTEM WITH THE FACILITY	EM. THE FIRE ALARM SYSTEM SHALL BE HEN PROVIDE MASS MESSAGING TO FACILITY INFORMACAST VENDOR AND THE DIRECTOR'S	18. THE COVERS OF ALL JUNCTION BOXES
		CALCULATIONS. PROVIDE 120-VOLT F CIRCUIT AS NEEDED. - FIRE ALARM FOUIPMENT (FOP) PANEL	POWER TO EACH NAC PANEL ON A		3.6. THE SYSTEM SHALL BE INSTA	NAL PROGRAMMING OF THE SYSTEM.	N THE ACTUATION OF AN ALARM, 1	ROUBLE OR SUPERVISORY SIGN	IAL AT THE FIRE ALARM CONTROL U	JNIT, A CORRESPONDING SIGNAL SHALL BE	APPROVIDES A FIRE RATING EQUAL TO O APPROVED OR LISTED AS FIRE-RATED INFORMATION FOR APPROVAL.
	EQF	PROVIDE FINAL QUANTITIES PER MAN BATTERY CALCULATIONS. PROVIDE 12 DEDICATED CIRCUIT AS NEEDED.	NUFACTURER'S REQUIREMENTS AND ( 20-VOLT POWER TO EACH EQP PAN	CONTRACTORS IEL ON A	3.7. PROVIDE POWER BOOSTER PA	NELS, NOTIFICATION APPLIANCE CIRCUIT	EXTENDER PANELS, AND SPEAKER	CIRCUIT POWER PANELS AS R	REQUIRED FOR THE COMPLETE INSTA	LLATION OF THE FIRE ALARM SYSTEM. PROVIDE	20. DETERMINE BEST LOCATION FOR ROUTI ANY ADDITIONAL OFFSETS OR FITTINGS
	FATC -	FIRE ALARM TERMINAL CABINET (FAT PROVIDE FINAL QUANTITIES PER MAN BATTERY CALCULATIONS PROVIDE 12	IC). PROVIDE PER MANUFACTURERS	REQUIREMENTS. CONTRACTORS	CALCULATIONS. 3.7.1. CONTRACTOR SHALL I 3.7.2 CONTRACTOR SHALL I	DETERMINE ALL LOCATIONS WHERE POWE	ER BOOSTER PANELS CAN BE LOCA	ATED. COORDINATE FINAL LOCAT	IONS OF POWER BOOSTER PANELS	IN THE FIELD WITH DIRECTOR'S REPRESENTATIVE.	AVOID ANY/ALL OBSTRUCTIONS OR INT
6	ss -	CIRCUIT AS NEEDED. PROVIDE SURGE SUPPRESSORS AS N	EEDED PER FACP MANUFACTURER'S	RECOMMENDATIONS.	OF EXISTING POWER 3.7.3. PROVIDE FIRE ALARM POWER, FTC.), VERIED	PANELS AND SPARE CAPACITIES IN THE EQUIPMENT (FACP, POWER PANELS, ETC SITE POWER/FLECTRICAL REQUIREMENT	FIELD PRIOR TO BID. C.) WHICH IS COMPATIBLE WITH TH	E AVAILABLE POWER SUPPLY W	/ITHIN EACH BUILDING (I.E. SINGLE	OR THREE PHASE POWER, 120 OR 460 VOLT	WORK & ALL WORK SHALL BE SUBJEC
	ISO – RM –	<ul> <li>PROVIDE ISOLATION MODULES AS NEE</li> <li>FIRE ALARM RELAY MODULE. PROVIDE</li> </ul>	EDED PER FACP MANUFACTURER'S I E AS REQUIRED.	RECOMMENDATIONS.	3.8. THE SYSTEM SHALL BE COMP ETC. AS NECESSARY FOR TH	PRISED OF DEVICES AND APPLIANCES AS INSTALLATION OF DEVICES AND APPLIA	S INDICATED ON THIS SET OF DRA ANCES AS SHOWN ON THIS SET OF	WINGS. DO NOT REUSE EXISTING DRAWINGS. PROVIDE WIRING F	G CONDUIT, WIRING, BACK BOXES, I OR ALL NEW SPEAKERS AND SPEAF	ETC. PROVIDE CONDUIT, WIRING, BACK BOXES, KER/STROBES.	COMPONENTS. CONTRACTOR IS RESPON COMPONENTS SHALL BE FROM A SING
	FACP – TYP –	- FIRE ALARM CONTROL PANEL. - TYPICAL.			3.9. THE SYSTEM SHALL BE INSTA 3.9.1. 2016 EDITION OF NF	LLED SO THAT IT IS COMPLIANT WITH T PA 72, NATIONAL FIRE ALARM AND SIGN	THE FOLLOWING: IALING CODE.			,	23. THE FIRE ALARM LAYOUT SHOWN ON T FOR PRELIMINARY SUBMISSION TO THE DRAWINGS FOR THE ACTUAL INSTALLATI
	ETR – CD –	- EXISTING TO REMAIN. - CANDELA.			3.9.2. 2017 EDITION OF NFI 3.9.3. 2020 BUILDING CODE 3.9.4. 2020 FIRE CODE OF	PA 70, NATIONAL ELECTRICAL CODE OF NEW YORK STATE. NEW YORK STATE.					24. EGRESS DOOR SWING MAY NOT BE AS 5 FT OF DOOR.
	CO – WP –	- CARBON MONOXIDE. - WEATHERPROOF.			3.10. THE EMERGENCY VOICE/ALAR	M COMMUNICATION SYSTEM SHALL PROV	IDE INTELLIGIBILITY IN ALL ROOMS	AND ACOUSTICALLY DISTINGUISH	HABLE SPACES WHERE SPEAKERS A	RE PROVIDED UNLESS NOTED OTHERWISE.	25. THE ACCEPTANCE TESTING OF THE FIR FROM THE FIRE DEPARTMENT & FOR # COMMISSIONING.
7	FIRE A	LARM WORKING DRA	AWINGS AND SUBM	AITTALS:	3.11. ALL FIRE ALARM WIRING SHA UTILIZES COMPRESSION TYPE	IL BE SOLID COPPER. STRANDED WIRING FITTINGS AND COUPLINGS.	I OCATIONS INDICATED ON THESE	DRAWINGS WITH FINAL QUANTIT	IRICAL METALLIC TOBING, WITH A M	F FIFLD FOR NEPA-72 COMPLIANCE ADDITIONAL	26. PROVIDE PRIMARY & BATTERY BACKUP
	1. PROVIDE PRODUC FOR FOI	PRODUCT SUBMITTALS FOR REVIEW AND T SUBMITTALS SHALL INCLUDE MANUFACT	D APPROVAL PRIOR TO SYSTEM INST TURERS, MODEL NUMBERS AND LISTI	ALLATION. ING INFORMATION	DUCT SMOKE DETECTORS SHA GREATER THAN 2,000 CFM. A SYSTEMS, SEPARATE DUCT DI	ALL BE PROVIDED IN THE FIELD BASED ALL CODE REQUIRED DUCT SMOKE DETE TECTOR'S SHALL BE PROVIDED ON SUF	ON EXISTING HVAC SYSTEMS AS F CTORS SHALL BE INSTALLED THRO PPLY AND RETURN DUCTWORK. COI	EQUIRED BY NFPA-72 AND THI JGHOUT THE BUILDING AS PART	E STATE MECHANICAL CODE. PROVIE T OF THE CONTRACT. WHERE DUCT L DUCT SMOKE DETECTOR LOCATION	DE DUCT DETECTORS IN ALL HVAC SYSTEMS SMOKE DETECTORS ARE PROVIDED ON HAVC	27. FIRE ALARM SIGNALING SYSTEM MANUA EXITS & MOUNTED 48" ABOVE THE FIN
	2. PROVIDE BUILDING	SHOP DRAWINGS AND CALCULATIONS FO AND FIRE CODES OF NEW YORK AND	OR REVIEW AND APPROVAL IN ACCOP NFPA-72 PRIOR TO SYSTEM INSTALL	RDANCE WITH THE LATION. THE SHOP	OBSERVATIONS. 3.13. CARBON MONOXIDE (CO) DET	ECTION SHALL BE PROVIDED IN ACCORE	DANCE WITH THE BUILDING AND FIF	RE CODES OF NEW YORK STATE	E. CARBON MONOXIDE DETECTORS S	HALL BE INSTALLED IN EVERY ROOM CONTAINING	28. FIRE ALARM SIGNALING SYSTEM NOTIFY AUDIBILITY AND INTELLIGIBILITY LEVELS.
	DRAWING 2.1. A FL 2.1.1. I	S AND CALCULATIONS SHALL, AT A MINIP LOOR PLAN WHICH INCLUDES THE FOLLO INDICATES THE USE OF ALL ROOMS.	IMUM, INCLUDE: DWING:		A FUEL BURNING APPLIANCE 3.14. THE FIRE ALARM SYSTEM SH	AND IN ADJACENT ROOMS/COMMUNICAT	ING SPACES TO THE FUEL BURNIN	G APPLIANCE ROOM, AS WELL A	AS WITHIN ALL CLASSROOMS. 3 ARE NOT SHOWN ON THESE DRAW	INGS. CONTRACTOR SHALL VERIFY LOCATIONS IN	30. FIRE ALARM SIGNALING SYSTEM NOTIFY
8	2.1.2. 2.1.3. 2.1.4.	LOCATIONS OF ALARM—INITIATING AND NO ALARM CONTROL AND TROUBLE SIGNALIN POWER CONNECTION.	DTIFICATION APPLIANCES. NG EQUIPMENT.		THE FIELD AND PROVIDE ALL 3.15. VERIFY IF THE EXISTING FIRE	REQUIRED LABOR, MATERIALS AND PRO ALARM SYSTEM OPERATES DOOR OPEN	OGRAMMING TO INTEGRATE INTO THI	E FIRE ALARM SYSTEM. THIN THE BUILDINGS AND MAIN	TAIN EXISTING CONDITIONS. REFER	TO SEQUENCE OF OPERATIONS AND	31. WHEN THE FIRE ALARM SYSTEM IS AC
	2.1.5. 2.1.6.	DETAILS OF CEILING HEIGHT AND CONSTR	RUCTION.		DRAWINGS/SPECIFICATIONS FO FACP OR ANY REMOTE ANNU	NCIATOR.	DURESSABLE RELEASE/CONTROL M	DUDULES TO ALL DOOR OPEN H	ULDERS SUCH THAT DOORS CAN BE	INDIVIDUALLY OPERATED BY COMMAND AT THE	SHALL BE ADA APPROVED & SYNCHRO
	2.2. THE CLOS	SING OF DAMPERS OR FIRE SHUTTERS.	F ALARM SYSTEM COMPONENTS AND	WIRING.	3.16. PROVIDE WEATHER-PROOF EC	CONTROL MODULES AND/OR RELAY MO	ARE NOT SUITABLE FOR "STANDARI	" EQUIPMENT, SUCH AS SHOWI THE BUILDING BASED ON MAN	ER ROOMS, COOLERS, KITCHENS, M IUFACTURER REQUIREMENTS AND AS	REQUIRED TO ACHIEVE THE COMPLETE	33. ALL DUCT SMOKE DETECTORS, AND AN PROVIDED WITH A LISTED ALARM/SUPE
	2.4. DOC WITH	UMENTATION INDICATING INTELLIGIBILITY O	DF AUDIBLE NOTIFICATION (STI OR CI	S) IS COMPLIANT	3.18. PROVIDE LIGHTNING SUPPRES	SION AND SURGE SUPPRESSORS ON AL	L CIRCUITS. INSTALL LIGHTNING SU	IPPRESSION AND SURGE SUPPR	RESSORS PER NFPA-72 AND NFPA-	-70.	34. THE FIRE ALARM SYSTEM SHALL BE PI
	2.5. BATT	ERY CALCULATIONS.			4. THE FIRE ALARM INSTALLATION C SHALL BE NICET IV CERTIFIED IN	ONTRACTOR AND VENDOR SHALL BE LIC FIRE ALARM SYSTEMS, IN ACCORDANCE	ENSED IN THE STATE OF NEW YOR WITH THE PROJECT SPECIFICATION	RK FOR FIRE ALARM SYSTEMS IN NS.	NSTALLATION. THE CONTRACTOR'S P	ROJECT MANAGER AND COMPANY FIELD ADVISOR	35. PROVIDE LIGHTNING SUPPRESSION AND SUPPRESSORS PER NFPA-72 AND NFF
9	3. PROVIDE	CONTRACT CLOSEOUT DOCUMENTS FOR	APPROVAL BY THE ENGINEER AND	THE DIRECTOR'S	5. THE FIRE ALARM SYSTEM SHALL ALARM MANUFACTURER. THE FAC	COMPROMISE OF COMPONENTS OF ONE P AND NETWORK MANUFACTURER SHALL	(1) MANUFACTURER. ALL DEVICES BE NOTIFIER.	, APPLIANCES AND EQUIPMENT	INSTALLED SHALL BE LISTED FOR U	JSE WITH AND COMPATIBLE WITH THE SITE FIRE	DRAWINGS.
	3.1. SYST 3.2. AN 0 72	TEM RECORD OF COMPLETION IN ACCORE OWNER'S MANUAL AND MANUFACTURER'S	DANCE WITH NFPA 72. DANCE WITH NFPA 72. DUBLISHED INSTRUCTIONS IN ACCO	RDANCE WITH NFPA	6. THE FIRE ALARM SYSTEM SHALL DISCREPANCIES ARISE IN REQUIR	BE INSTALLED IN ACCORDANCE WITH THE EMENTS BETWEEN THE APPLICABLE CON	IE REQUIREMENTS OF NFPA-72, TI TRACT DOCUMENTS, THE MOST STF	HE BUILDING CODE AND FIRE C RINGENT REQUIREMENTS SHALL /	ODE OF NEW YORK, THESE DRAWIN APPLY TO THE CONTRACT.	GS, AND THE PROJECT SPECIFICATIONS. WHERE	
	3.3. REC	ORD (AS-BUILT) DRAWINGS IN ACCORDAN	NCE WITH NFPA 72.	HE SUBMITTAI	<ol> <li>THE SYSTEM SHALL BE TESTED T</li> <li>8. THE FIRE ALARM SYSTEM SHALL THE CONTRACTOR'S SHOP DRAWN</li> </ol>	BE INSTALLED IN COMPLIANCE WITH	THE 2016 EDITION OF NEPA 72, PA-72, NATIONAL FIRE ALARM AND	NATIONAL FIRE ALARM AND SIG SIGNALING CODE, 2016 EDITIO	NALING CODE. DN. FINAL LOCATION OF AUDIBLE NC	TIFICATION APPLIANCES SHALL BE SHOWN ON	
					9. MAINTAIN RED-LINES OF FIRE AL	ARM SYSTEM INSTALLATION THROUGHOUT	PROJECT. CONTRACTOR SHALL BI	E ABLE TO PROVIDE RED-LINE	DRAWINGS AND/OR AS-BUILT DRAW	INGS AT ANY TIME DURING THE PROJECT.	
-	1. ESTABL STATIO	ISH THE MONITORING SERVICE OF THE F	PROPOSED FIRE ALARM SYSTEM BY . OF NFPA 72, 2016 EDITION.	A LISTED CENTRAL	10. CONTRACTOR SHALL CONDUCT A	THOROUGH EXAMINATION OF THE PREMI	ISES PRIOR TO PREPARING A PROF	POSAL. THE CONTRACTOR'S NICE	ET IV FIRE ALARM TECHNICIAN/VEND AREAS OF THE BUILDINGS CONTAIL	OR SHALL BE PRESENT AT THE PRE-BID	
	2. CONSP COMPL	ICUOUSLY INDICATE THAT THE ALARM SY IES WITH ALL THE REQUIREMENTS OF TH	(STEM PROVIDING SERVICE AT A PRO HIS CODE THROUGH THE USE OF A	TECTED PREMISES SYSTEMATIC	AND DUCT SMOKE DETECTION. AL FIELD CONDITIONS SHALL BE CON CONDITIONS THAT COULD HAVE F	L EXISTING CONDITIONS AND AREAS OF VEYED TO THE DIRECTOR'S REPRESENT	DETECTION/NOTIFICATION COVERAC ATIVE AND ENGINEER PRIOR TO PF F THE PREMISES.	E SHALL BE MAINTAINED WITH REPARING A PROPOSAL. NO ADD	THE NEW FIRE ALARM SYSTEM. ANY DITIONAL COSTS BEYOND THE PROPO	CHANGES TO THE DESIGN MADE NECESSARY BY DSAL PRICE WILL BE ACCEPTED FOR FIELD	
	FOLLOV CONTR ISSUED	N-UP PROGRAM UNDER THE CONTROL C ACTOR. DOCUMENTATION INDICATING CODI D BY THE ORGANIZATION THAT HAS LISTED	OF THE ORGANIZATION THAT HAS LIS DE COMPLIANCE OF THE ALARM SYSTI ED THE PRIME CONTRACTOR. THE DO	TED THE PRIME EM SHALL BE DCUMENTATION	10.1. VERIFY THE COVERAGE/EXTEN BY EACH HVAC ZONE CAN B	IT OF EACH HVAC ZONE WITHIN THE BU	JILDING. AT A MINIMUM, EACH HVA N MONOXIDE ALARM NOTIFICATION	C ZONE SHALL BE PROVIDED W AS REQUIRED BY THE FIRE CO	/ITH A SEPARATE NOTIFICATION APPL DE OF NEW YORK STATE.	IANCE CIRCUIT, SUCH THAT THE AREA COVERED	
	SHALL DOCUM UPON	DE PHITSICALLY PUSIED WITHIN 3 FT OF IENTATION SHALL BE MADE AVAILABLE TO REQUEST.	THE CONTROL UNIT, AND COPIES THE AUTHORITY HAVING JURISDICTION	OF THE ON AND ENGINEER	10.2. DO NOT RE-USE EXISTING FI RINGS FOR SUPPORTS IN AB	RE ALARM CIRCUITS AND WIRING. PROVI OVE CEILING AREAS AND USE NEW CON	IDE NEW CIRCUITS AND WIRING THI IDUIT STUBS WHEN PROJECTING DO	ROUGHOUT THE ENTIRE BUILDING	G. PROVIDE PLENUM RATED FIRE AL L MOUNTED DEVICES. CONTRACTO	ARM CABLES WITHOUT CONDUIT USING BRIDLE R MAY ALSO ELECT TO INSTALL WIRING IN	
	3. THE C	ENTRAL STATION SERVICE SHALL BE PRO	OVIDED UNDER CONTRACT TO THE OV	WNER.	CONDUIT IN ABOVE CEILING F EXPOSED CEILINGS DURING T	PLENUM SPACES. ALL EXPOSED WIRING/ HOROUGH EXAMINATION OF THE PREMIS	CIRCUITS SHALL BE INSTALLED WIT ES PRIOR TO PREPARING PROPOS/	HIN CONDUIT. CONTRACTOR SHA	ALL VERIFY AND DETERMINE ALL SP	ACES WHICH CONTAIN DROP CEILINGS VS.	
11					10.3. WHERE DROP CEILINGS ARE EXPOSED/SURFACE MOUNTED CEILING TILES ARE BROKEN/	PRESENT, ALL WIRING AND CONDUIT SH EQUIPMENT IS PERMITTED. WHERE EQU DAMAGED DURING CONSTUCTION, THE CE	ALL BE INSTALLED ABOVE THE CEI IIPMENT IS INSTALLED ABOVE DROF EILING TILES SHALL BE REPLACED	LING. WHERE GWB OR HARD CE CEILINGS, REMOVE AND RE-IN IN KIND AS PART OF THE BASE	LILINGS OR EXPOSED CEILINGS ARE ISTALL CEILING TILES AS NEEDED TO E-BID CONTRACT.	PRESENT, THE INSTALLATION OF O ACCOMMODATE THE REQUIRED INSTALLATION. IF	OF NEW
					11. BIDS SHALL INCLUDE A UNIT PRI	CE FOR A FIVE (5) YEAR TESTING, INSP	PECTION AND MAINTENANCE CONTR	ACT. REFER TO PROJECT SPECI	FICATIONS FOR ADDITIONAL INFORMA	TION.	S S RAYMOND DR
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											. (3310)

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E ALARM SYSTEM	NOTES:			]t	Date Checked	2/3/23 CMC
ECONDARY POWER SHALL BE PROV TANDBY AND 30 MINUTES ALARM.	/IDED IN ACCORDANCE WITH NFPA-	-72 TO PROVIDE POWER FOR	R A MINIMUM OF 60 HOURS	ŀ	Drawn	
ISTALLATION WORK SHALL NOT PRO ITH THE REQUIREMENTS OF THE C	DCEED UNTIL SUBMITTALS HAVE BE ONTRACT DOCUMENTS.	EEN RECEIVED, PROCESSED &	APPROVED IN ACCORDANCE			
ONSULT THE PROJECT SPECIFICATION RODUCTS AND INSTALLATION.	ONS FOR ADDITIONAL INFORMATION	REGARDING THE SYSTEM DE	SIGN, INTENDED PERFORMANCE,			
WORKING SET OF DOCUMENTS SH HALL BE AVAILABLE FOR INSPECTIO AINTAINED ON A 48-HOUR BASIS: ECORDED ON THE DRAFT AS-BUIL QUIPMENT, THE ROUTING & CONNE ONSULT THE PROJECT SPECIFICATIO OCUMENTS SHALL BE TURNED OVE	IALL BE MAINTAINED & USED AS A ON OR REVIEW BY DIRECTOR'S REI AS EACH PIECE OF EQUIPMENT IS T DOCUMENTS WITHIN 48 HOURS; TCTION ORDER SHALL BE RECORDE ONS FOR COMPLETE INFORMATION TR TO DIRECTOR'S REPRESENTATIVE	A DRAFT OF THE AS—BUILT D PRESENTATIVES. THE DRAFT S S INSTALLED, THE LOCATION S AS EACH CIRCUIT IS INSTALL ED ON THE DRAFT AS—BUILT ON THE REQUIREMENTS FOR E AT COMPLETION OF PROJEC	PRAWINGS. THIS DRAFT SET ET OF DOCUMENTS SHALL BE SHALL BE ACCURATELY ED & CONNECTED TO DOCUMENTS WITHIN 48 HOURS. AS-BUILT DOCUMENTATION. CT.		- 20-1	-
LL INSTALLATION WORK SHALL CON ATIONAL FIRE ALARM CODE (2016	IFORM WITH THE REQUIREMENTS C EDITION) AND BUILDING/FIRE COD	OF NATIONAL FIRE PROTECTION ES OF NEW YORK.	N ASSOCIATION, NFPA 72,		<b>R.A</b>	
LL INITIATING DEVICES, CONTROL M ISTALLED ON STANDARD ELECTRICA	IODULES, MONITOR MODULES, NOT L BACK BOXES THAT ARE SECURE	IFICATION APPLIANCES, & ALL D TO THE BUILDING STRUCTU	OTHER EQUIPMENT SHALL BE			
HERE EQUIPMENT MUST BE INSTAL XTURE BARS OR OTHER SUPPORT	LED ON SUSPENDED CEILINGS OR SHALL BE PROVIDED.	BETWEEN BUILDING STRUCTU	JRAL COMPONENTS, ADEQUATE		/SK	
ABINET ASSEMBLY & MOUNTING SH O MORE THAN 72 INCHES ABOVE	HALL BE SUCH THAT ALL SWITCHES THE FINISHED FLOOR.	S & OPERATOR CONTROLS AF	RE NO LESS THAN 36 INCHES &		<b>YE</b>	
ONTROL UNITS SHALL BE INSTALLE FPA 70, NATIONAL ELECTRICAL COI	D SO THAT WORKING CLEARANCES DE.	S ARE MAINTAINED AROUND TH	HE UNITS IN ACCORDANCE WITH			
LL CABLES OR CONDUITS SHALL E URFACE OF CONTROL UNIT ENCLOS	NTER THE SIDE OR BOTTOM. NO SURES.	PENETRATIONS SHALL BE PER	MITTED IN THE TOP HORIZONTAL		RED ARC	
UDIBLE NOTIFICATION APPLIANCES, AME STYLE BACKBOX & SHALL BE	VISIBLE NOTIFICATION APPLIANCES, CAPABLE OF BEING INTERCHANGE	, & COMBINATION NOTIFICATIO ED.	N APPLIANCES SHALL HAVE THE		-AD	
URFACE MOUNTED RACEWAY SHALL	NOT BE ALLOWED IN FINISHED A EVICES. & APPLIANCES SHALL BE	REAS. MADE TO TERMINALS OR PIG	TAILS THAT ARE AN INTEGRAL			
ART OF THE CONTROL, DEVICE, OF	APPLIANCE. FIELD MANUFACTURE	D PIGTAIL LEADS SHALL NOT	BE ALLOWED.	ŀ	Revisi	ons:
OVERS SHALL BE PROVIDED AT AL ONNECTIONS MUST BE MADE. JUI GHT OR LESS. ALL TERMINALS WIT CCURATELY SHOWN ON THE AS-BU	L FIRE ALARM & REMOTE CONTRONCTION BOXES WITH TERMINAL STE HIN A TERMINAL CABINET OR JUN JILT DRAWINGS.	L CIRCUIT JUNCTION POINTS RIPS MAY BE USED WHERE TH CTION BOX SHALL BE PROPE	WHERE MORE THAN EIGHT HE NUMBER OF CONNECTIONS IS RLY LABELED & SHALL BE			
RE ALARM SYSTEM WIRING SHALL R LIGHTING CIRCUITS EXCEPT AS / C & DC WIRING SHALL NOT BE PI	NOT BE PERMITTED TO BE INSTAL ALLOWED IN ARTICLE 760 OF NFP, ERMITTED IN THE SAME CABLE, CC	LED IN THE SAME CABLE, CO A 70, NATIONAL ELECTRICAL ( DNDUIT, OR RACEWAY.	NDUIT, OR RACEWAY AS POWER CODE.			
LL WIRING WITHIN CONTROL EQUIPI HALL BE INSTALLED SO THAT THE IRCUITS.	MENT SHALL BE INSTALLED SO TH EQUIPMENT CAN BE SERVICED OR	AT THE WIRING & THE EQUIP REMOVED WITHOUT DISCONN	MENT ARE ACCESSIBLE. WIRING IECTING OR MOVING UNRELATED			
HE COVERS OF ALL JUNCTION BO ENETRATIONS MADE IN ANY FIRE R ROVIDES A FIRE RATING EQUAL TO ROVIDES OF LISTED AS FIRE PAT	ES SHALL BE PAINTED RED UNLE ATED BARRIER, SUCH AS STAIRWE OR GREATER THAN THE PENETRA	SS OTHERWISE NOTED. LLS, SHALL BE FILLED & PA TED ASSEMBLY. PROPRIETARY	ICHED WITH A MATERIAL THAT FILLER MATERIALS MUST BE			
FORMATION FOR APPROVAL. ETERMINE BEST LOCATION FOR RO NY ADDITIONAL OFFSETS OR FITTIN	UTING/RE-ROUTING ALL ASSOCIATE GS REQUIRED FOR PROPER INSTAIL	ED RACEWAYS. RACEWAY ROUT	TING SHOWN SHALL BE USED & OTHER TRADES, &/OR TO		417 NEW KARNER ROAD, TEL: (518) 275-0791 F/	ALBANY, NY 12205 AX: (518) 275-0792
VOID ANY/ALL OBSTRUCTIONS OR	INTERFERENCE'S WITH FIRE ALARM	RACEWAY ROUTING. RACEWAY	ALL FORM & PART OF THIS		NYS CERT OF AUTHOI NUMBER (	TIFICATE RIZATION 0019726
ORK & ALL WORK SHALL BE SUB	JECT TO RESPECTIVE PROVISIONS	THEREOF.	ANS TO SHOW ALL LISTED		UNAUTHORIZED AL ADDITIONS TO THIS A VIOLATION OF SE THE NEW YORK ST	TERATIONS OR 5 DOCUMENT IS 5 TOCON 7209 OF TATE EDUCATION
OMPONENTS. CONTRACTOR IS RESP OMPONENTS SHALL BE FROM A SI	NGLE MANUFACTURER.	TO DEFINE THE DESIGN INT	EMENIS. ALL SYSTEM	į	LAW. THESE DOCU THE EXCLUSIVE PRO ENGINEER, AND MA' FOR ANY PURPOS	IMENTS REMAIN OPERTY OF THE Y NOT BE USED E WHATSOEVER
DR PRELIMINARY SUBMISSION TO T RAWINGS FOR THE ACTUAL INSTALL GRESS DOOR SWING MAY NOT BE FT OF DOOR.	ATION CONDITIONS HAVING JURISDICT ATION CONDITIONS. THE SHOP DR AS SHOWN ON PLANS. LOCATE 1	NON. THE WORK OF THE CON AWINGS SHALL BE SUBMITTED	TRACT INCLUDES SHOP TO THE ENGINEER.	ŀ		ITEN CONSENT IGINEER.
HE ACCEPTANCE TESTING OF THE ROM THE FIRE DEPARTMENT & FOI OMMISSIONING.	FIRE ALARM SYSTEM SHALL BE IN R ANY OTHER AUTHORITY HAVING	CLUDED IN THE CONTRACT. B JURISDICTION OF MANDATORY	EAR THE COST OF ANY FEES FIRE ALARM TESTING &		Щ	<b>urveyin</b> )615–035
ROVIDE PRIMARY & BATTERY BACK RE ALARM SIGNALING SYSTEM MAN	UP POWER & ALL ASSOCIATED WI IUAL PULL STATIONS ARE TO BE F	RING TO ACCOMPLISH WORK. PROVIDED NOT MORE THAN FI	VE FEET AWAY FROM ALL FLOOR		A	● ● (845)
RE ALARM SIGNALING SYSTEM NOT	FINISHED FLOOR. IFYING SPEAKERS SHALL BE WIREI LS.	D TO THE LOWEST WATTAGE 1	AP WHILE MAINTAINING REQUIRED		$\overline{\mathbf{O}}$	10924
LL DEVICES SHALL BE UL/FM LIST	ED FOR USE WITH THE FIRE ALAR	RM SYSTEM.			ŏ	<b>chite</b> <sup>окк</sup>
RE ALARM SIGNALING SYSTEM NOT SABILITIES ACT (ADA), & FIRE COI	IFYING AUDIO STROBE COVERAGE DE FOR SPACING, CANDELA & AUE	IS PER NFPA 72 PUBLIC MOI DIO ALARM AMPLITUDE.	DE, THE AMERICANS WITH		б о	● ar
HEN THE FIRE ALARM SYSTEM IS ANNER. ALARM FOR BUILDING EV. HALL BE ADA APPROVED & SYNCH LL DOOR HOLD OPEN DEVICES SH	ACTIVATED, ALL SPEAKER/STROBES ACUATION AS DESCRIBED PER FIRE IRONIZED. CANDELA RATING AS NO ALL BE CONNECTED TO THE FIRE	S AND STROBES SHALL OPER/ E CODE OF NEW YORK AND I ITED. ALARM SYSTEM.	ATE IN A SYNCHRONIZED NFPA 72. ALL AUDIO/STROBES		A S	<b>lanning</b> Goshen,
LL DUCT SMOKE DETECTORS, AND ROVIDED WITH A LISTED ALARM/SU	ANY DETECTOR INSTALLED WITHIN PERVISORY INDICATOR WITH AN IN	A CONCEALED SPACE OR IN/ TEGRAL RESET SWITCH IN AN	ACCESSIBLE LOCATION, SHALL BE ACCESSIBLE LOCATION.	S		● D
HE FIRE ALARM SYSTEM SHALL BE	PROGRAMMED SUCH THAT ALL H	VAC SYSTEMS SHUT DOWN UF	PON FIRE ALARM SIGNAL.	JPL	Z	Dring N STR
ROVIDE LIGHTNING SUPPRESSION A UPPRESSORS PER NFPA-72 AND	ND SURGE SUPPRESSORS ON ALL NFPA-70.	CIRCUITS. INSTALL LIGHTNING	G SUPPRESSION AND SURGE	AN		<b>gine</b> 2 Mai
ROVIDE DUCT SMOKE DETECTION W RAWINGS.	ITHIN ALL HVAC SYSTEMS PER AP	PLICABLE CODES, EVEN IF N	OT INDICATED ON THESE			<b>9</b> 0
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ITTAL. G ALL APPLIANCES AND DEVICES.	TPROVIDE ALL REQUIRED V AND THE NEW NOTIFIER F RECEIVED AT THE NEW N AND ADMIN BUILDINGS AN TRIGGERS THE EDWARDS
MANUFACTURER & SITE CONDITIONS. ; OR QUANTITIES OF WIRES REQUIRED. RISER DIAGRAM INDICATES MINIMUM NUMBER OF ZONES/CIRCUITS TO BE PROVIDED, AND ID AS NECESSARY TO PROVIDE THE OVERALL LEVEL OF PERFORMANCE REQUIRED BY THE CONTRACT DOCUMENTS. PROVIDE WIRING ON RISER DIAGRAM. REFER TO FLOOR PLAN FOR QUANTITIES & LOCATIONS OF DEVICES.	FACP TRIGGERS THE NOTI AN EDWARDS APPROVED (INCLUDING ALL REMOVAL ALARM SYSTEM REMAINS
NAL INFORMATION.	THE EXISTING TO REMAIN THE FIRE ALARM SYSTEMS (3) PROVIDE ISOLATOR MODUL
NOTIFICATION APPLIANCE CIRCUITS WHICH DO NOT ALSO SERVE SPEAKERS ARE PERMITTED TO BE PROVIDED WITH CLASS B WIRING	(4)  WIRING BETWEEN THE FAC
FINAL QUANTITIES OF FIRE ALARM POWER SUPPLIES/POWER BOOSTER PANELS SHALL BE BASED ON FINAL D POWER SUPPLY WIRING ON A DEDICATED CIRCUIT FOR EACH FACP, POWER BOOSTER PANEL, ETC	PROVIDED WITH PATHWAY     EXISTING TO REMAIN WIRI     BE PERFORMED IN A MAN
RESISTIVE CABLE) AS DEFINED BY NFPA 72, WHERE INDICATED.	<ul> <li>PROVIDE TEXT MESSAGE</li> <li>REPRESENTATIVE DURING</li> <li>PROVIDE EMAIL NOTIFICAT</li> </ul>
ERVICE AS PART OF THE CONTRACT. MMUNICATOR. THE SELECTABLE PATH SHALL BE SINGLE PATH (CELLULAR ONLY), HAVING A MAXIMUM SUPERVISION TIME OF 5 MINUTES. PA-72.	DURING INSTALLATION. 9 PROVIDE CONNECTIONS TO 10 PROVIDE SIGNALING/INTER 11 PROVIDE 120-VOLT POWE 12 PROVIDE CLASS "A" CIRC POWER/NAC/EQUIPMENT/
	INDICATED ON CONTRACT (13) STROBE CIRCUIT ASSOCIA BATTERY/VOLTAGE DROP,
	(14) SPEAKER CIRCUIT ASSOCI BATTERY/VOLTAGE DROP,
	15 STROBE CIRCUIT ASSOCIA FINAL BATTERY/VOLTAGE
$\begin{array}{c} 18 \\ 19 \\ 18 \\ 18 \\ 17 \\ 18 \\ 17 \\ 17 \\ 17 \\ 17$	(17) LIGHTNING/SURGE SUPPR
	(19) TO NOTIFICATION SPEAKE (20) TO NOTIFICATION STROBE
$\begin{array}{c} 18 \\ \hline 18 \\ \hline 1 \\ \hline 1 \\ \hline 1 \\ \hline 1 \\ \hline 19 \\ \hline 20 \\ \hline 24 \\ 24 \\$	(21) PROVIDE WIRING BETWEEN PROTECTION AND SURGE
	(22) REFER TO CR BUILDING F (23) REFER TO RM BUILDING F
. IS BLDG	(24) REFER TO IS BUILDING FI (25) REFER TO ADMIN BUILDIN
CONTROL PANEL WITHIN GARAGE BUILDING	
ADDRESSABLE NETWORK REMOTE ANNUNCIATOR WITH PHONE/MICROPHONE EQUIPMENT TO INITIATE LIVE	
VOICE COMMANDS. ANNUNCIATOR SHALL BE WIRED, PROGRAMMED AND INSTALLED SUCH THAT ANY FIRE ALARM SIGNAL AND COMMAND WITHIN THE BUILDING CAN BE REPORTED TO, ACKNOWLEDGED, SILENCED AND CLEARED FROM THE LOCATION OF THIS	
PROVIDE PATHWAY SURVIVABILITY LEVEL 2. WIRING SHALL BE PROVIDED WITH A MINIMUM 2-HOUR FIRE RESISTANCE RATING	
LIGHTNING/SURGE       PROVIDE POWER TO ANNUNCIATOR         SUPPRESSION DEVICE       PROVIDE POWER TO ANNUNCIATOR	
DIAL-OUT ALARM, TROUBLE, AND COMMERCIAL FIRE ALARM ALARM AND	
SUPERVISORY SIGNALS TO CENTRAL STATION CALL OUT. CENTRAL STATION CALL OUT. CENTRAL STATION MONITORING	
PROVIDE POWER ON A DEDICATED SERVICE	
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$-  \bigcirc \bigcirc$	CLASS A WIRING PROVIDE PATHWAY
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First Floor	F EXIS
TIC (MHRIC) FIRE ALARM RISER DIAGRAM	

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ER	DIAGRAM KEYED	NOTES:					Date Checked	2/3/23 CMC
FACP. IOTIFIEF ND THE PANEL IFIER I VENDO E ALAR S OF ACTIVE I FIRE S WITH LES O CP AN ST DEV SURVE ING/CIE NNER NOTIFI INSTA TIONS TO WLA RCONN ER ON ER ON CUITS E /SPEAF TOR'S ( ATED W /SPEA ATED W	INTERCONNECTIONS SHALL BE PR R FACP. INTERCONNECTIONS BETW E MAINTENANCE GARAGE OCCUR S AND ACTIVATES ALL NOTIFICATION PANEL AND ACTIVATES ALL NOTIFICATION PANEL AND ACTIVATES ALL NOTIFICATION IN SYSTEM WITHIN THE MAINTENAN EXISTING EQUIPMENT) SHALL BE AND IS NOT COMPROMISED. PRO ALARM SYSTEM REMAINS FUNCTION IN THE ADJACENT BUILDINGS SER IN SLC'S PER MANUFACTURER'S R D THE FIRST DEVICE ON THE SLC VICES ON THE SLC LOOP ON THE VABILITY LEVEL 2 AS DEFINED BY RCUITS TO THE ETR FIRE ALARM SUCH THAT THE EXISTING FIRE AL CATIONS TO SELECT RECIPIENTS. LLATION. TO SELECT RECIPIENTS. COORDIN/ IN WITH LIVE VOICE. PROVIDE CON ECTIONS BETWEEN APPLICABLE S' A DEDICATED CIRCUIT AS REQUIF BETWEEN FACP AND POWER PANE CATCOR STATES SHALL BE BASED ON COMPLETE SYSTEM RISER DIAGRAM WITH MHRIC FIRST FLOOR NOTIFICA KER CALCULATIONS AND SHOP DI WITH MHRIC FIRST FLOOR NOTIFICA COMPLETE SYSTEM RISER DIAGRAM	OVIDED SUCH THAT AN ALARM, EEN THE TWO FACP'S SHALL E SIMULTANEOUSLY (I.E. ANY FIRE NAPPLIANCES WITHIN THE MAIN CATION APPLIANCES WITHIN THE EXISTING EDWARDS FACP AN ICE GARAGE. THE INSTALLATION PERFORMED IN A MANNER TO OVIDE ALL REQUIRED PRE-TEST NAL AND TO DETERMINE ALL IN VED BY THIS FACP. EQUIREMENTS. ELOOP SHALL BE PROVIDED W FIRST FLOOR AND THE FIRST NFPA-72. SYSTEM WITHIN THE MAINTENAN ARM SYSTEM IS MAINTAINED W COORDINATE RECIPIENTS AND ATE RECIPIENTS AND EMAIL NO INECTIONS FOR FUTURE INTERCO YSTEMS. RED. CLS, NAC PANELS, SPEAKER EC I CONTRACTOR'S SHOP DRAWIN A. ATION APPLIANCES. PROVIDE AN RAWING SUBMISSION. CATION APPLIANCES. PROVIDE AN	TROUBLE, OR SUPE TROUBLE, OR SUPE BE PROVIDED SUCH T ALARM SIGNAL AT T ALARM SIGNAL AT T ITENANCE GARAGE, A MRIC BUILDING AN ND SYSTEM. OF THE NEW FIRE ENSURE THE EXISTIN ING OF EXISTING FIR ITH PATHWAY SURVIV DEVICE ON THE SLC ICE GARAGE. ALL WO ITHIN THE MAINTENAN EMAIL NOTIFICATION MIFICATION REQUIREN CONNECTIONS WITH O RUIPMENT PANELS, E IGS AND BATTERY/VE DDITIONAL CIRCUITS A ADDITIONAL CIRCUITS	RVISORY SIGNAL AT THAT TOTAL EVACUAT HE NOTIFIER FACP IND ANY FIRE ALARM ID ADMIN BUILDING. ALARM SYSTEM WITH G TO REMAIN MAINT RE ALARM SYSTEMS IND CIRCUITS BETWEE ABILITY LEVEL 2 AS E LOOP ON THE SEC RK ON THE NEW FIL ICE GARAGE. REQUIREMENTS WITH MENTS WITH DIRECTO THER BUILDINGS AN TC. FINAL QUANTITIE DLTAGE DROP CALCU AS REQUIRED BASED AS REQUIRED BASED	THE EDWARDS FACTOR OF EITHER THE FROM THE MHRIC ISIGNAL AT THE INFORMATION OF EITHER THE FROM THE MHRIC BUTTHE SERVICE THE SERVICE GARAGE FAND CIRCUITS TO ENTHE EDWARDS DEFINED BY NFPACOND FLOOR SHAL RE ALARM SYSTEM IN DIRECTOR'S DR'S REPRESENTAT D FACILITIES. ES OF ULATIONS AND SHAL O ON CONTRACTOR ED ON CONTRACTOR	CP IS IE MHRIC BUILDING EDWARDS WICES OF ILDING TIRE ENSURE FACP AND A-72. L BE SHALL IVE ALL BE 'S FINAL R'S FINAL OR'S	VLAD POTIYEVSKY, R.A.	Title REGISTERED ARCHITECT License No. 030220-1
A LED W DROP ATED DROP ESSION DIVIDUA CR CIRCI CIRCI CIRCI SUPPI FIRE AI FIRE AL IRE AL IG FIRE	WITH MHRIC SECOND FLOOR NOTIF /SPEAKER CALCULATIONS AND S WITH MHRIC SECOND FLOOR NOTI /SPEAKER CALCULATIONS AND S N DEVICE PER MANUFACTURER'S F L BUILDING. CUIT WITHIN INDIVIDUAL REMOTE BL DINGS PER MANUFACTURER'S REG RESSORS PER NFPA-70, NFPA-7 LARM RISER DIAGRAM FOR ADDITI LARM RISER DIAGRAM FOR ADDITI ARM RISER DIAGRAM FOR ADDITIC E ALARM RISER DIAGRAM FOR ADDITIC	ICATION APPLIANCES. PROVIDE HOP DRAWING SUBMISSION. FICATION APPLIANCES. PROVIDE HOP DRAWING SUBMISSION. REQUIREMENTS (TYPICAL). BUILDING. JUILDING. JUILDING. JUIREMENTS. ALL WIRING/CIRCU 2 AND MANUFACTURER'S REQU ONAL INFORMATION. ONAL INFORMATION. DIAL INFORMATION. DITIONAL INFORMATION.	ADDITIONAL CIRCUI	NGS SHALL BE PROVETWEEN BUILDINGS S	ASED ON CONTRACT	ING 'A".	H17 NEW KARNER TEL: (518) 275-07 WWW NYS C OF AUT NUMBEI UNAUTHORIZE ADDITIONS TO A VIOLATION O THE NEW YOR LAW. THESE L THE EXCLUSIVE ENGINEER, AND FOR ANY PUR FOR ANY PUR WITHOUT THE OF THI	ROAD, ALBANY, NY 12205 91 FAX: (518) 275-0792 ronfpe.com ERTIFICATE HORIZATION R 0019726 D ALTERATIONS OR THIS DOCUMENT IS F SECTION 7209 OF K STATE EDUCATION DOCUMENTS REMAIN PROPERTY OF THE D MAY NOT BE USED PROSE WHATSOEVER WRITTEN CONSENT E ENGINEER.
						ALTZ CAMPUS	LAN ASSOCIATES	engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)615–0350
G TO I SURV G SHAI A MIN STANCE PROVID STING I	TO FIRE ALARM CIR REQUIRED PER FINAL FINAL BAT PROVIDE B. NOTIFICAT PANELS, AND AS REC PERFORMA DOCUMENTS. WITH E POWER TO FIRE ALARM POWER E BUILDING POWER PANELS. COORDIN. PANELS WI	CUITS INDICATED ON RISER DIAG MANUFACTURER/EQUIPMENT SI TERY CALCULATIONS/RISER DIAG ATTERIES, POWER BOOSTER PAN ION APPLIANCE CIRCUIT EXTEND SPEAKER CIRCUIT CONTROL P/ NIRED TO ACHIEVE THE SYSTEM NCE REQUIRED BY THE CONTRA COORDINATE LOCATIONS IN THE DIRECTOR'S REPRESENTATIVE.	SRAM AND AS ELECTIONS AND RAM. ELS, ER ANELS CT FIELD MCATED CIRCUIT SUPF OF EXISTING BUILDING	LIED FROM BELECTRICAL	Marine Marin Marine Marine Marin	DMIN. BLDG. & MHRIC BLDG. @ NEW PA YSED PROJECT # 62-90-00-00- 1-003-016	AHRIC BUILDING PIRE ALARM RISER DIAGRAM	ULSTER COUNTY BOCES NEW PALTZ CAMPUS ULSTER COUNTY, NEW YORK

EMATIC	C FIRE	ALARM	POWER	BOOSTER	PANEL	DIAGRAM
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### FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS:

- 1. PRIOR TO CONSTRUCTION, VERIFY ALL EXISTING FIRE ALARM SEQUENCE OF OPERATIONS FOR THE EXISTING FIRE ALARM SYSTEM, INCLUE SHUTDOWN, CLOSING OF DOORS/FIRE SHUTTERS, ETC. THIS SEQUENCE OF OPERATIONS SHALL BE MAINTAINED WITH THE INSTALLATION ( EMERGENCY COMMUNICATION VOICE EVACUATION FIRE ALARM SYSTEM, EXCEPT AS NOTED OTHERWISE BY THE CONTRACT DOCUMENTS. TH SHALL ALSO VERIFY ALL EXISTING CONDITIONS FOR INTERCONNECTIONS BETWEEN THE EXISTING FACP AND ANY BUILDING SUPPLIED BY FACP. AFTER PRE-TESTING OF EXISTING FIRE ALARM SYSTEM IS COMPLETED, VERIFY FINAL SEQUENCE OF OPERATIONS REQUIREMENTS W REPRESENTATIVE.
- 2. ALL SEQUENCE OF OPERATIONS LISTED BELOW SHALL APPLY TO THE MHRIC BUILDING, THE ADMIN BUILDING AND THE MAINTENANCE GAP FIRE ALARM OCCURS WITHIN ANY OF THESE BUILDINGS, NOTIFICATION APPLIANCES WITHIN ALL THREE BUILDINGS SHALL ACTIVATE SIMULT/ RESULTING IN TOTAL EVACUATION OF ALL THREE BUILDINGS.
- ACTUATION OF ONE (1) FIRE ALARM MANUAL PULL STATION, HEAT DETECTOR, AREA SMOKE DETECTOR OR KITCHEN HOOD SUPPRESSION LOCATION WITHIN THE BUILDING SHALL INITIATE THE FOLLOWING OPERATIONS:
   3.1. VISUAL AND AUDIBLE INDICATION ON FACP, ANNUNCIATOR PANELS AND ONYXWORKS WORKSTATIONS.
- 3.2. ENERGIZE ALL AUDIBLE AND "FIRE ALARM" VISIBLE NOTIFICATION APPLIANCES THROUGHOUT THE BUILDING, FOR A TOTAL BUILDING SEQUENCE. THE AUDIBLE ALARM SEQUENCE SHALL BE AS FOLLOWS:
   a) A PUBLIC MODE ALERT TONE OF THREE (3) TO TEN (10) SECONDS.
  - b) THE TEMPORAL THREE EVACUATION SIGNAL SHALL SOUND THROUGHOUT THE BUILDING.
  - c) THE DEFAULT FIRE ALARM VOICE EVACUATION MESSAGE MUST BE A FEMALE VOICE AND STATE THE FOLLOWING: "MAY I HAVE PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. A FIRE EMERGENCY HAS BEEN REPORTED IN THE BUILDING. PLEASE LEAVE TH THE NEAREST EXIT." UPON COMPLETION OF THIS MESSAGE, THE TEMPORAL THREE EVACUATION SIGNAL SHALL SOUND THROUG BUILDING. THIS SEQUENCE SHALL REPEAT UNTIL SILENCED AT THE FACP OR A REMOTE ANNUNCIATOR, OR A MANUAL PAGE HA SELECTED.
- 2.1. TRANSMIT TEXTUAL MESSAGES OVER THE LED SIGNAGE SYSTEM. COORDINATE MESSAGE REQUIREMENTS WITH DIRECTOR'S REPRESENT FINAL PROGRAMMING.
- 2.2. TRANSMIT EMAIL AND TEXT MESSAGE NOTIFICATIONS OVER THE ONYXWORKS SYSTEM, AS REQUIRED BY THE DIRECTOR'S REPRESENT 2.3. TRANSMIT ALARM SIGNAL THROUGH THE CLSS GATEWAY TO THE FACILITY'S INFORMACAST SYSTEM. MASS NOTIFICATION MESSAGING F INFORMACAST SYSTEM SEPARATELY FROM FIRE ALARM SYSTEM.
- 2.4. SHUTDOWN OF HVAC SYSTEMS AND RELEASE OF MAGNETIC DOOR HOLDERS. 2.5. CLOSING OF FIRE SHUTTER DOORS, AS APPLICABLE IF CONTROLLED BY THE EXISTING FIRE ALARM SYSTEM.
- 2.6. TRANSMIT FIRE ALARM SIGNAL TO THE CENTRAL STATION.
- 2.7. ACTUATION OF ELEVATOR RECALL DETECTORS SHALL ALSO INITIATE PHASE 1 ELEVATOR RECALL TO THE APPROPRIATE FLOOR.
- ACTUATION OF ONE (1) CARBON MONOXIDE DETECTOR AT ANY LOCATION WITHIN THE BUILDING SHALL INITIATE THE FOLLOWING OPERATIO 3.1. VISUAL AND AUDIBLE INDICATION ON FACP, ANNUNCIATOR PANELS, AND ONYSWORK WORKSTATIONS.
   BURGIZE ALL AUDIBLE AND VISIBLE NOTIFICATION APPLIANCES THROUGHOUT THE HVAC ZONE WHERE CO DETECTION HAS OCURRED EVACUATION SEQUENCE OF ONLY THAT HVAC ZONE. THE AUDIBLE ALARM SEQUENCE SHALL BE AS FOLLOWS:
  - a) A PUBLIC MODE ALERT TONE OF THREE (3) TO TEN (10) SECONDS.
  - b) THE TEMPORAL FOUR EVACUATION SIGNAL SHALL SOUND THROUGHOUT THE BUILDING.
     c) THE DEFAULT CO ALARM VOICE EVACUATION MESSAGE MUST BE A FEMALE VOICE AND STATE THE FOLLOWING: "MAY I HAVE Y
- PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. A CARBON MONOXIDE ALARM HAS BEEN REPORTED WITHIN THIS AREA OF THE PLEASE LEAVE THE BUILDING BY NEAREST EXIT." UPON COMPLETION OF THE MESSAGE, THE TEMPORAL FOUR EVACUATION SIG SOUND. THIS SEQUENCE SHALL REPEAT UNTIL SILENCED AT THE FACP OR A REMOTE ANNUNCIATOR, OR A MANUAL PAGE HAS 3.1. TRANSMIT TEXTUAL MESSAGES OVER THE LED SIGNAGE SYSTEM. COORDINATE MESSAGE REQUIREMENTS WITH DIRECTOR'S REPRESENT
- FINAL PROGRAMMING. 3.2. TRANSMIT EMAIL AND TEXT MESSAGE NOTIFICATIONS OVER THE ONYXWORKS SYSTEM, AS REQUIRED BY THE DIRECTOR'S REPRESENT. 3.3. TRANSMIT ALARM SIGNAL THROUGH THE CLSS GATEWAY TO THE FACILITY'S INFORMACAST SYSTEM. MASS NOTIFICATION MESSAGING P
- INFORMACAST SYSTEM SEPARATELY FROM FIRE ALARM SYSTEM. 3.4. SHUTDOWN OF HVAC SYSTEMS AND RELEASE OF MAGNETIC DOOR HOLDERS.
- a) THE CO ALARM SHALL ONLY SHUT DOWN HVAC EQUIPMENT WHICH SERVES THE DETECTION ZONE OF THE CO DETECTOR WHIC ALARM.
- 4. ACTIVATION OF ONE DUCT SMOKE DETECTOR OR ONE PLENUM SPACE (I.E. ABOVE CEILING) DETECTOR AT ANY LOCATION WITHIN THE BU INITIATE THE FOLLOWING OPERATIONS:
  4.1. VISIBLE AND AUDIBLE INDICATION ON THE FACP AND ANNUNCIATOR PANELS.
- 4.2. VISIBLE INDICATION ON THE ACCESSIBLE/VISIBLE INDICATOR ASSOCIATED WITH THE DETECTING DEVICE. 4.3. SHUTDOWN OF HVAC SYSTEM AND ALL HVAC EQUIPMENT ASSOCIATED WITH THE HVAC ZONE WHERE THE DETECTION HAS OCCURRED
- 4.3. SHUTDOWN OF HVAC SYSTEM AND ALL HVAC EQUIPMENT ASSOCIATED WITH THE HVAC ZONE WHERE THE DETECTION HAS OCCURRED 4.4. TRANSMIT TEXTUAL MESSAGES OVER THE LED SIGNAGE SYSTEM. COORDINATE MESSAGE REQUIREMENTS WITH DIRECTOR'S REPRESENT FINAL PROGRAMMING.
- 4.5. TRANSMIT EMAIL AND TEXT MESSAGE NOTIFICATIONS OVER THE ONYXWORKS SYSTEM, AS REQUIRED BY THE DIRECTOR'S REPRESENT. 4.6. REPORT A SUPERVISORY SIGNAL TO THE CENTRAL STATION.
- 5. ALL TROUBLE, SUPERVISORY AND ALARM SIGNALS SHALL BE REPORTED AUTOMATICALLY TO THE CENTRAL STATION MONITORING SERVICE
- 6. SHOP DRAWING SUBMISSION SHALL PROVIDE A COMPLETE FIRE ALARM SEQUENCE OF OPERATIONS MATRIX IN ACCORDANCE WITH NFPA-
- 7. THE EXISTING KITCHEN HOOD SUPPRESSION SYSTEMS SHALL BE MONITORED FOR TROUBLE, ALARM AND SUPERVISORY CONDITIONS PER REQUIREMENTS.

Date 2/3 Checked Cr Drawn Cr	<b>VLAD POTIYEVSKY, R.A.</b> THE REGISTERED ARCHITECT LICENSE NO. 030220-1	A contraction of the second and any of the second and a second and a second	CAPITAL PROJECTS ULSTER COUNTY BOCES	File No. 4134224A
		ALTZ CAMPUS	BLDG. & MHRIC BLDG. @ NEW F PROJECT # 62-90-00-00- 1-003-01	ADMIN. E NYSED F
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DING HVAC DF THE E PRE-TESTING THAT EXISTING	WITH DIRECTOR'S RAGE. WHEN A ANEOUSLY, SYSTEM AT ANY EVACUATION YOUR ATTENTION RE BUILDING BY CHOUT THE AS BEEN TATIVE PRIOR TO TATIVE. ROVIDED BY	OUR ATTENTION BUILDING. NAL SHALL SEEN SELECTED. TATIVE PRIOR TO ATIVE. ROVIDED BY CH INITIATED THE ILDING SHALL C. TATIVE PRIOR TO ATIVE. E. -72. NFPA-72		

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### **GENERAL NOTES:**

- 1. THE EXISTING FIRE ALARM SYSTEM SHALL BE REMOVED IN ITS ENTIRETY WITHIN THE MHRIC BUILDING. THE EXISTING FIRE ALARM SYSTEM WITHIN THE MHRIC BUILDING IS SUPPLIED FROM A FACP IN THE ADJACENT MAINTENANCE GARAGE. REMOVAL OF MAINTENANCE GARAGE FIRE ALARM SYSTEM IS NOT INCLUDED WITHIN THE SCOPE OF WORK. ALL MODIFICATIONS/REMOVALS TO THE EXISTING FIRE ALARM SYSTEM SHALL BE DONE IN A MANNER WHICH MAINTAINS THE EXISTING MAINTENANCE GARAGE FACP AND FIRE ALARM SYSTEM IN OPERATION. PROVIDE ALL REQUIRED EQUIPMENT/LABOR/WIRING/PROGRAMMING/ETC. OF THE EXISTING EDWARDS FACP TO MAINTAIN THE EXISTING FIRE ALARM CONDITIONS AND TO PROVIDE THE FINAL SEQUENCE OF OPERATIONS REQUIRED BY THESE CONTRACT DOCUMENTS.
- 2. REMOVE EXISTING FIRE ALARM SYSTEM WITHIN THE MHRIC BUILDING IN ITS ENTIRETY EVEN IF NOT INDICATED ON THIS DRAWING. VERIFY EXTENT OF ALL EXISTING FIRE ALARM EQUIPMENT DURING PRE-TESTING OF EXISTING FIRE ALARM SYSTEM PRIOR TO INSTALLATION OF EMERGENCY COMMUNICATION VOICE EVACUATION FIRE ALARM SYSTEM.
- 3. THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL UNTIL THE EMERGENCY COMMUNICATION VOICE EVACUATION FIRE ALARM SYSTEM HAS BEEN ACCEPTED BY THE DIRECTOR'S REPRESENTATIVE.

_	A		В	С	D	E	F
1	G	ENERAL NOTE	: S:				1
	1.	THE BUILDING SHALL BE I ALARM DETECTION AND NO 1.1. STROBES FOR FIRE	PROTECTED WITH AN ADDRESSABLE DTIFICATION SYSTEM IN ACCORDANC ALARM SHALL BE PROVIDED WITH	E EMERGENCY COMMUNICATION VOI CE WITH NFPA-72 AND AS DESCRI A CLEAR LENS AND SHALL BE LA	CE EVACUATION FIRE IBED ON THESE DRAWINGS. ABELED "FIRE".		
	2.	1.2. MANUAL PULL STATI BASIS OF DESIGN IS NFPA CHAPTER 17 AND MANUFA	ONS FOR FIRE ALARM SHALL BE F 72, NATIONAL FIRE ALARM AND S CTURERS SPECIFICATIONS. NOTIFIC/	RED IN COLOR AND LABELED "FIRI SIGNALING CODE. INITIATING DEVICE ATION APPLIANCE SPACING PER NF	E". E SPACING PER NFPA 72, FPA 72, CHAPTER 18.		
- 2	3.	THE FIRE ALARM SYSTEM PUBLIC AREAS. 3.1. VISUAL NOTIFICATIO	HAS BEEN DESIGNED TO PROVIDE N HAS BEEN DESIGNED PER NFPA	AUDIBLE AND VISUAL NOTIFICATIO	ON THROUGHOUT ALL		
2		3.2. THE AUDIBLE ALARM ABOVE THE AVERAGE DURATION OF AT LE 3.3. INTELLIGIBILITY SHAL	M NOTIFICATION APPLIANCES SHAL E AMBIENT SOUND LEVEL OR 5 D EAST 60 SECONDS. LL BE PROVIDED PER NFPA-72 TH	L PROVIDE A SOUND PRESSURE L ECIBELS ABOVE THE MAXIMUM SO HROUGHOUT ALL SPACES WHERE S	EVEL OF 15 DECIBELS UND LEVEL HAVING A SPEAKERS HAVE BEEN		
	4.	ALL FIRE ALARM EQUIPMENT THE BUILDING FACP.	E DRAWINGS. NT SHALL BE COMPATIBLE FOR US	SE WITH AND SHALL BE LISTED FO	DR INSTALLATION WITH		
	5.	ALL AIR HANDLING UNITS SHUTDOWN UPON SMOKE FAN.	AND EXHAUST FANS SHALL BE PI DETECTION WITHIN THE DUCT DETE	ROGRAMMED THROUGH THE FIRE A ECTORS SUPPLYING THE AIR HAND	ALARM SYSTEM TO LING UNIT OR EXHAUST		
3	6.	PROVIDE POWER PANELS, SUPPLY ALL DETECTION DI VOLTAGE DROP AND SPEA NOTIFICATION CIRCUIT POW AND BATTERY CALCULATION	AND/OR NOTIFICATION CIRCUIT PO EVICES, NOTIFICATION APPLIANCES, KER WATTAGE CALCULATIONS. FINAI 'ER BOOSTER EXTENDER PANELS S NS.	WER BOOSTER EXTENDER PANELS, SPEAKERS, ETC., BASED ON CON L QUANTITIES AND LOCATIONS OF SHALL BE INDICATED ON SHOP DR	ETC. AS NEEDED TO TRACTOR'S BATTERY, POWER PANELS AND/OR AWINGS, RISER DIAGRAMS		
	7.	CONTRACTOR SHALL PROVI COMPLETE INSTALLATION O DEDICATED CIRCUIT AS PA EXISTING BUILDING POWER BREAKER LOCATIONS UTILI WORK.	DE POWER TO ALL FACP, CONTRO F THE SYSTEM. POWER TO ALL FI RT OF THE BASE-BID CONTRACT. PANELS AND BREAKERS FOR POW ZED FOR FIRE ALARM EQUIPMENT	EQUIPMENT, POWER PANELS, ET RE ALARM EQUIPMENT SHALL BE CONTRACTOR SHALL BE RESPONSI WER SUPPLIES TO FIRE ALARM EQ WITH DIRECTOR'S REPRESENTATIVE	C. REQUIRED FOR THE PROVIDED ON A BLE TO FIELD VERIFY UIPMENT. COORDINATE IN THE FIELD PRIOR TO		
	8.	FIRESTOP ALL PENETRATIO FIRESTOP ALL THROUGH-F	N ITEMS THROUGH ALL FLOOR ANI PENETRATIONS FOR A 2-HOUR FIR	D WALL PENETRATIONS MADE AS F E RESISTANCE ASSEMBLY RATING.	PART OF THIS CONTRACT.		
4	9.	AUDIBLE ALARMS FOR FIRE VOICE EVACUATION SYSTEM FOR FIRE ALARM INDICATIO PATTERN FOR CO ALARM I	E ALARM AND CO ALARM SHALL P M. ANNUNCIATION DUE TO SMOKE DN, AND ANNUNCIATION DUE TO C/ INDICATION, IN ADDITION TO PRE—S	ROVIDE SEPARATE AND DISTINCT S OR FIRE DETECTION SHALL INITIATE ARBON MONOXIDE DETECTION SHAL SET VOICE COMMANDS.	SIGNALS AS PART OF THE E A TEMPORAL—3 PATTERN LL INITIATE A TEMPORAL—4		
	10.	PROVIDE DUCT SMOKE DE NEW YORK STATE AS PAR SHALL VERIFY THE EXTENT AND PROVIDE ALL REQUIR APPLIANCE CIRCUITS BASE	TECTORS IN ALL LOCATIONS REQUI T OF THE BASE BID CONTRACT, EN T AND COVERAGE OF EACH HVAC S ED DUCT SMOKE DETECTOR LOCAT D ON HVAC ZONES TO PROVIDE S DRAWINGS AND AS REQUIRED BY T	RED BY NFPA-72 AND THE 2020 VEN IF NOT SHOWN ON THESE DR SYSTEM/ZONE WITHIN THE BUILDIN TIONS PER NFPA-72. PROVIDE ADD SEQUENCE OF OPERATIONS FOR C/	MECHANICAL CODE OF AWINGS. CONTRACTOR IG AND SHALL DETERMINE DITIONAL NOTIFICATION ARBON MONOXIDE ALARM		, T
	11.	LOCATIONS OF EXISTING S SMOKE/FIRE DAMPER LOCA	MOKE/FIRE DAMPERS NOT SHOWN ATIONS DURING PRE-TESTING OF I	ON DRAWINGS. CONTRACTOR SHAI EXISTING FIRE ALARM SYSTEM AND	LL VERIFY ALL SITE PRE-BID SITE		
5	12.	BASE-BID CONTRACT. DO NOT RE-USE EXISTING BUILDING. PROVIDE PLENU ABOVE CEILING AREAS AND DEVICES. CONTRACTOR MA	FIRE ALARM CIRCUITS AND WIRIN M RATED FIRE ALARM CABLES WIT D USE NEW CONDUIT STUBS WHEN Y ALSO FLECT TO INSTALL WIRING	G. PROVIDE CIRCUITS AND WIRING HOUT CONDUIT USING BRIDLE RING N PROJECTING DOWN FROM THE C	THROUGHOUT THE ENTIRE GS FOR SUPPORTS IN EILING TO WALL MOUNTED G/CIRCUITS SHALL BE		×
	13.	INSTALLED WITHIN CONDUIT PROVIDE ADDITIONAL CARB APPLIANCES AND ALL COM	ON MONOXIDE DETECTORS IN THE IMUNICATING SPACES TO THE ROO	FIELD IN ALL ROOMS CONTAINING MS CONTAINING FUEL BURNING AF	FUEL BURNING PPLIANCES AS PART OF		
	14.	THE BASE-BID CONTRACT. WHERE THE AREA OF A S LINE CIRCUITS (SLC) AND	INGLE FLOOR EXCEEDS 22,500 SG TWO (2) NOTIFICATION APPLIANCE	QUARE FEET, PROVIDE A MINIMUM CIRCUITS (NAC) PER FLOOR, SUC	OF TWO (2) SIGNALING CH THAT THE FLOOR AREA		X
6		OF A SINGLE CIRCUIT DOE ZONE" SHALL BE PROVIDE THE "PROTECTED ZONE" F BETWEEN THE FACP AND I ADDITIONAL NOTIFICATION Z CONTRACTOR.	S NOT EXCEED 22,500 SQUARE F D WITH PATHWAY SURVIVABILITY LE PATHWAY SURVIVABILITY LEVEL 0 AS EACH REMOTE ANNUNCIATOR SHALL ZONES SHALL BE PROVIDED BASED	EET. ALL WIRING BETWEEN THE FA EVEL 2 AS DEFINED BY NFPA-72. S DEFINED BY NFPA-72 WILL BE L BE PROVIDED WITH PATHWAY SU O ON HVAC ZONES VERIFIED IN TH	ACP AND THE "PROTECTED ONCE WIRING ENTERS PERMITTED. WIRING IRVIVABILITY LEVEL 2. HE FIELD BY THE		
	15.	ALL DUCT SMOKE DETECTO INACCESSIBLE LOCATION, S SWITCH IN AN ACCESSIBLE	DRS, AND ANY DETECTOR INSTALLE SHALL BE PROVIDED WITH A LISTED LOCATION.	ED WITHIN A CONCEALED SPACE, F D ALARM/SUPERVISORY INDICATOR	PLENUM SPACE OR WITH AN INTEGRAL RESET		5
		PROVIDE EQUIPMENT POW	VER PANELS (SUCH AS FOR SPEAK	KER CIRCUITS) AND NOTIFICATION			
7		QUANTITIES AND LOCATION DRAWINGS AND BATTERY/ DEDICATED CIRCUIT FOR	NELS AS NEEDED PER MANUFACTO NS OF EQUIPMENT SHALL BE BASI VOLTAGE DROP CALCULATIONS. PR FIRE ALARM USE ONLY. POWER SI	DRER'S REQUIREMENTS. FINAL ED ON CONTRACTOR'S SHOP ROVIDE POWER TO EQUIPMENT ON HALL BE SUPPLIED FROM EXISTING			
		POWER PANEL. POWER S BREAKERS) WITHIN EXIST PANEL/BREAKER LOCATIO TO ACHIEVE FINAL FIRE	HALL BE SUPPLIED FROM SPARE ING POWER PANEL WHICH IS UTILI NS IN THE FIELD AND PROVIDE AI ALARM SYSTEM PERFORMANCE. CO	BREAKER LOCATIONS (PROVIDE NE ZED. VERIFY EXISTING POWER LL REQUIRED POWER/WIRING NEED ORDINATE USE OF POWER PANELS	W DED		
	(2	PROVIDE WEATHERPROOF     PROVIDE DOWER TO REM	SPEAKER/STROBE ON THE BUILDI	NG EXTERIOR.			$\times$
8	<u></u>	ADJACENT TO THE REMO POWER SHALL BE SUPPL SPARE BREAKER LOCATIO	TE ANNUNCIATOR ON DEDICATED C JED FROM EXISTING POWER PANEL INS (PROVIDE NEW BREAKERS) WIT	IRCUIT FOR FIRE ALARM USE ONL' POWER SHALL BE SUPPLIED FRO THIN EXISTING POWER PANEL WHIC ATIONS IN THE FIELD AND PROVID	Y. OM CH		
		ALL REQUIRED POWER/W COORDINATE USE OF PO REPRESENTATIVE.	IRING NEEDED TO ACHIEVE FINAL WER PANELS AND SPARE BREAKER	FIRE ALARM SYSTEM PERFORMANCE S IN THE FIELD WITH DIRECTOR'S			
9							
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10					(	$\begin{array}{c} 1 \\ FA2.01 \end{array} \begin{array}{c} \text{ADMIN FIRE} \\ \text{SCALE:} 1/8'' = 1' \end{array}$	<b>-</b> 0"
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![](_page_55_Figure_1.jpeg)

![](_page_56_Figure_0.jpeg)

![](_page_56_Figure_8.jpeg)

![](_page_56_Picture_9.jpeg)

### **KEYED NOTES:**

- WORK ON THE EXISTING EDWARDS FACP AND SYSTEM.
- ALARM SYSTEM REMAINS FUNCTIONAL.
- PANELS/POWER SUPPLIES, AND ANY OTHER EQUIPMENT TO BE INSTALLED IN THIS LOCATION WITH THE DIRECTOR'S REPRESENTATIVE.
- THIS LOCATION WITH THE DIRECTOR'S REPRESENTATIVE.
- FIELD WITH DIRECTOR'S REPRESENTATIVE.
- 6 PROVIDE WEATHERPROOF SPEAKER/STROBE ON THE BUILDING EXTERIOR.
- THE AREA NOTIFICATION APPLIANCES. WIRING BETWEEN THE REMOTE ANNUNCIATOR AND THIS ZONE SHALL BE PROVIDED WITH PATHWAY SURVIVABILITY LEVEL 2.
- NEW NOTIFIER ANNUNCIATOR ADJACENT TO THE EXISTING EDWARDS FACP.