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Building #17
Campus Expansion Child
Day-care Center

899 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

Gensler

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Structural Engineer

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MEP / IT / Security Engineer

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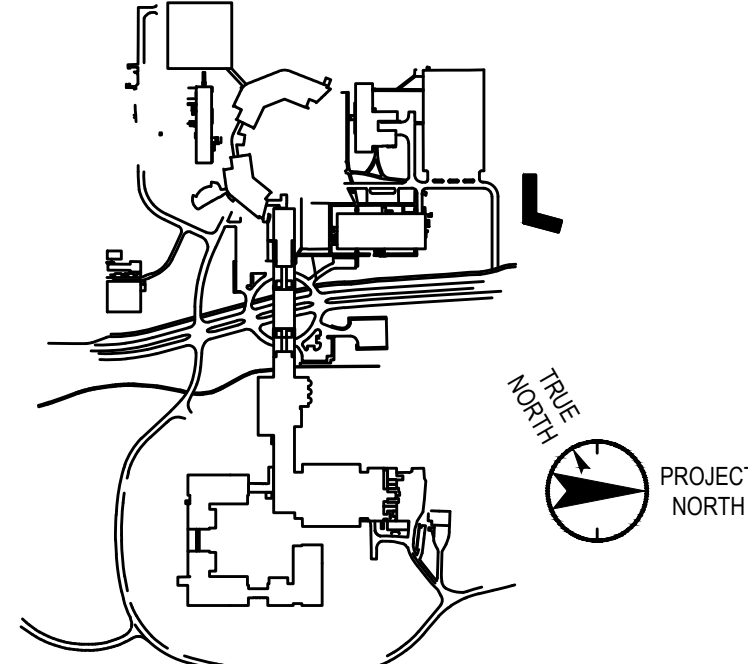
Civil Engineer

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Landscape Architect

Langan
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Key Plan



No. Date Description

0 05/20/2022 ISSUED FOR PERMIT
1 06/20/2022 100% CONSTRUCTION DOCUMENTS
2 07/01/2022 100% CONSTRUCTION DOCUMENTS-1

Plot Date: 07/01/2022

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Professional Seal and Signature

Vendor Name: COSENTINI
Vendor Project No.: 210104
Discipline: FireAlarm Drawn By: AI

FIRE ALARM
SYMBOLS, GENERAL NOTES,
AND DRAWING LIST

Scale: NTS Floor:

FA-001

EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS EQUIPMENT & DEVICES		
ERCES	EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS	RADIO SOLUTIONS INC. BDA SYSTEMS SPECIFICATIONS: SB400M2A-1-UL FREQUENCY RANGE: 450-490MHz UHF PASSBAND: 100kHz - 30kHz NEMA-4 (UL TYPE-4) ENCLOSURE: 20.55"X16.24"X9.32" D - TOTAL WIDTH INCLUDING HEATSINKS: 23.22" - TOTAL HEIGHT INCLUDING MOUNTING TABS: 26.22"
ERRA	EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS REMOTE ANNUNCIATOR	
DA	ERCES DONOR ANTENNA (EXTERIOR DAS ANTENNA)	RADIO SOLUTIONS INC. BDA SYSTEMS MODEL # DA-465490-1 CAT. #: BDA-DA-465490-1
DAS	ERCES ULTRA-WIDEBAND DAS ANTENNA (INDOOR DAS ANTENNA)	RADIO SOLUTIONS INC. BDA SYSTEMS MODEL # LPA-4502700-1 CAT. #: BDA-LPA-4502700-1
DC	ERCES DIRECTION COUPLER	

FIRE PROTECTIVE ALARM SYSTEM SOUNDING AND VISUAL DEVICES		
ST	HORN WITH INTEGRAL VISUAL DEVICE	SYMBOLS, AS SHOWN, REPRESENT FLUSH MOUNTED WALL DEVICES UNLESS SPECIFICALLY NOTED OTHERWISE. INTENSITY OF VISUAL DEVICE SHALL BE 75 CD
ST	HORN WITH INTEGRAL VISUAL DEVICE CEILING MOUNTED	SUBSCRIPT UPPER CASE LETTERS DENOTE THE FOLLOWING: WP - WEATHERPROOF
ST	VISUAL/STROBE, WALL MOUNTED	
ST	VISUAL/STROBE, CEILING MOUNTED	

FIRE PROTECTIVE ALARM SYSTEM EQUIPMENT & DEVICES		
FCS	FIRE ALARM CONTROL PANEL	
RA	FIRE ALARM REMOTE ANNUNCIATOR	

CONTRACTOR TO FURNISH AND INSTALL AN APPROVED EMERGENCY RESPONDER RADIO SYSTEM IN ACCORDANCE WITH CHAPTER 5 SECTION 510 OF THE NEW YORK STATE FIRE CODE 2020 EDITION.

EMERGENCY RESPONDER RADIO SYSTEM SHALL BE AS MANUFACTURED BY SIEMENS.

FIRE PROTECTIVE ALARM SYSTEM ADDRESSABLE MODULE BOXES	
CT1	ADDRESSABLE SINGLE INPUT MODULE
CT2	ADDRESSABLE DUAL INPUT MODULE

ACTUATING DEVICES	
F	MANUAL FIRE ALARM ACTUATING DEVICE OR STATION PROVIDE CLEAR PROTECTIVE COVER OVER EACH MANUAL PULL STATION
WFD	WATERFLOW DETECTOR
TS	TAMPER SWITCH
GR	GENERATOR RUNNING RELAY CONTACTS
GF	GENERATOR FAILURE TO START RELAY CONTACTS
GL	GENERATOR LOW FUEL RELAY CONTACTS
SD	ADDRESSABLE SMOKE DETECTOR
SD	ADDRESSABLE DUCT DETECTOR WITH SAMPLING TUBE AND REMOTE ALARM LED

ABBREVIATIONS (THIS LIST OF ABBREVIATIONS DOES NOT APPLY TO ANY LETTERS USED IN CONJUNCTION WITH SYMBOLS)	
A - AMPS AC - ALTERNATING CURRENT ADJ - ADJACENT AFD - AUTOMATIC FIRE DETECTION AFF - ABOVE FINISHED FLOOR AFG - ABOVE FINISHED GRADE AIR COND - AIR CONDITIONING AP - APPLIANCE PANEL ARCH - ARCHITECTURAL ASYM - ASYMMETRICAL AUTO - AUTOMATIC AVG - AVERAGE BLDG - BUILDING C - CONDUIT CAB - CAB CD - CANNDELA CAT - CATALOGUE CEL - CELLAR CKT - CIRCUIT CLG - CEILING CLOS - CLOSE CM - CIRCULAR MIL COL - COLUMN CONC - CONCRETE CONST - CONSTRUCTION CONT - CONTINUOUS CONV - CONVENIENCE CS - CABLE SUPPORT CU - CUBIC DC - DIRECT CURRENT DIA - DIAMETER DN - DOWN DP - DISTRIBUTION PANEL DTL - DETAIL DWG - DRAWING EA - EAST EC - EMPTY CONDUIT ELEC - ELECTRIC ELEV - ELEVATOR EM - ON EMERGENCY CIRCUIT ENTR - ENTRANCE EP - EXPLOSION PROOF EQ - EQUAL EQPMT - EQUIPMENT EXIST - EXISTING F - FLOOR FA - FIRE ALARM FDR - FEEDER FIN - FINISH FXT - FIXTURE FL - FLUSH FLVOR - FLUORESCENT FSTP - FIRE STANDPIPE FT - FEET GA - GAUGE GALV - GALVANIZED GD - GROUND H - HERMETIC HC - HUNG CEILING HOT - HEIGHT HOR - HORIZONTAL HP - HORSEPOWER IN - INCHES INT - INTERCOM JB - JUNCTION BOX LS - LOUDSPEAKER LT - LOW TENSION LTG - LIGHTING M - MAIN MA - MILLIAMPS MCM - THOUSAND CIRCULAR MILS	MISC - MISCELLANEOUS MTO - MOUNTED MTR - MOTOR N - NEUTRAL NEC - NATIONAL ELECTRIC CODE NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC. NL - ON NIGHT LIGHTING OL - OVERLOAD P - POLES PB - PULL BOX PC - PULL CHAIN PF - POWER FACTOR PG - PAGING PH - PHASE PLB - PLUMBING PNL - PANEL PP - POWER PANEL PW - POWER RC - REMOTE CONTROL REC - RECEPTACLE REQ - REQUIRED ROF - ROOF RM - ROOM RMS - ROOT MEAN SQUARE S - SOUND SC - SQUIRREL CAGE SO - SOUTH SP - SPARE SPECS - SPECIFICATIONS SPKR - SPEAKER SQ - SQUARE STD - STANDARD SURF - SURFACE SW - SWITCH SWBD - SWITCHBOARD SYM - SYMMETRICAL TEL - TELEPHONE TELO - TELEPHONE CO. TYP - TYPICAL V - VOLTS VENT - VENTILATING VERT - VERTICAL VP - VAPORPROOF W - WATTS WE - WEST WGD - WITH GUARD WP - WEATHERPROOF WT - WIRING TROUGH XFMR - TRANSFORMER # (UNRELA - WIRE GAUGE NUMBER TED TO OTHER WORDS) Ø - PHASE FØ - FUSED AT C - CENTER LINE OIC - OVERCURRENT C/C - CENTER TO CENTER 1C/2C - ONE CONDUCTOR 2C - TWO CONDUCTORS, ETC.

FIRE ALARM DRAWING LIST

SHEET NUMBER	SHEET NAME
FA-001	FIRE ALARM GENERAL NOTES, SYMBOLS, AND DRAWING LIST
FA-100	FIRE ALARM PLAN - 1ST FLOOR
FA-101	FIRE ALARM PLAN - ROOF
FA-500	FIRE ALARM DETAIL SHEET AND RISER DIAGRAM

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CODE OF NYS

This plan is approved only for work indicated on the application specification sheet. All other matters shown are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

Alterations or additions to this engineering document by an unlicensed person is a violation of Chapter 16, Title VIII, Article 145 § 7209.2 of the New York State Education Law.