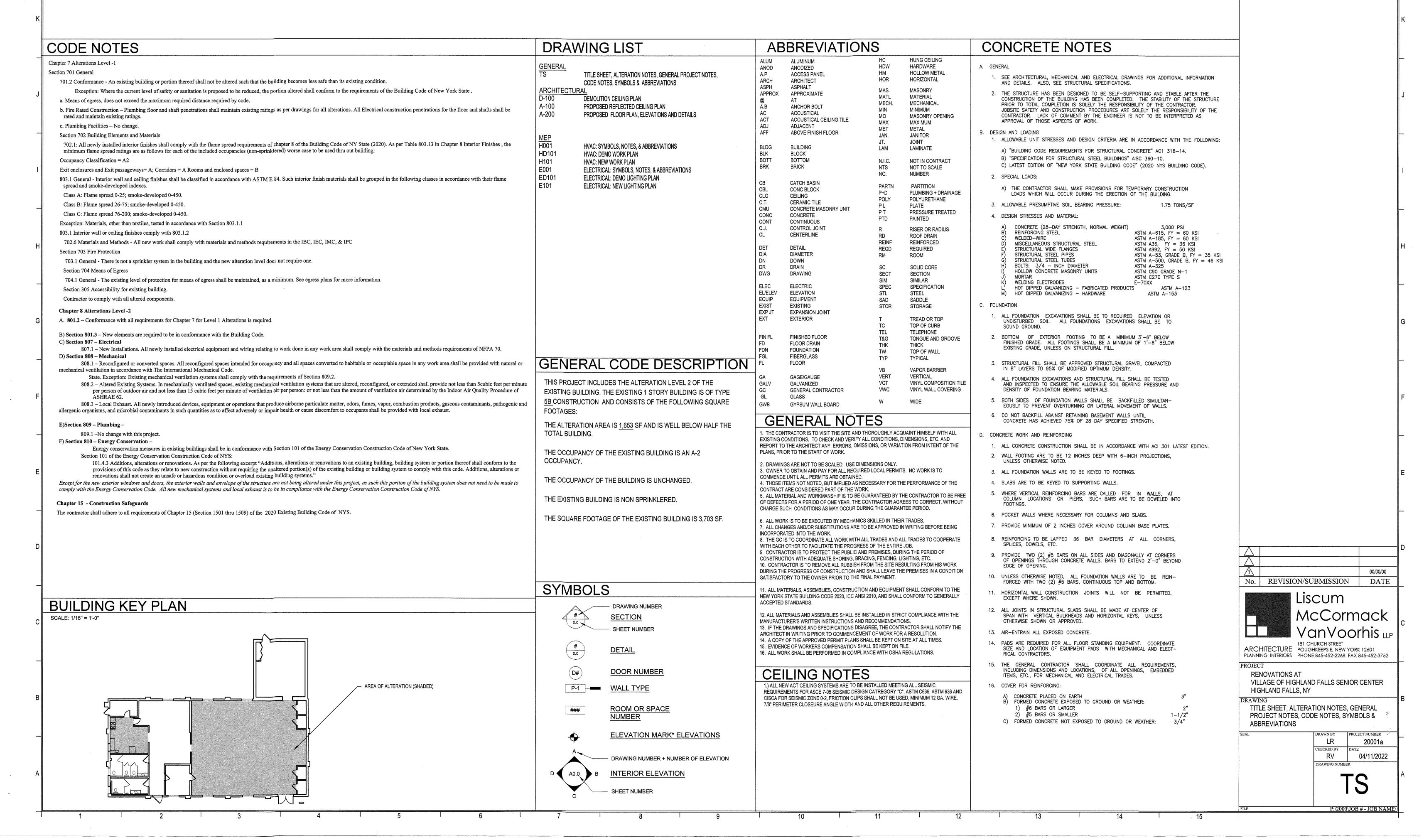
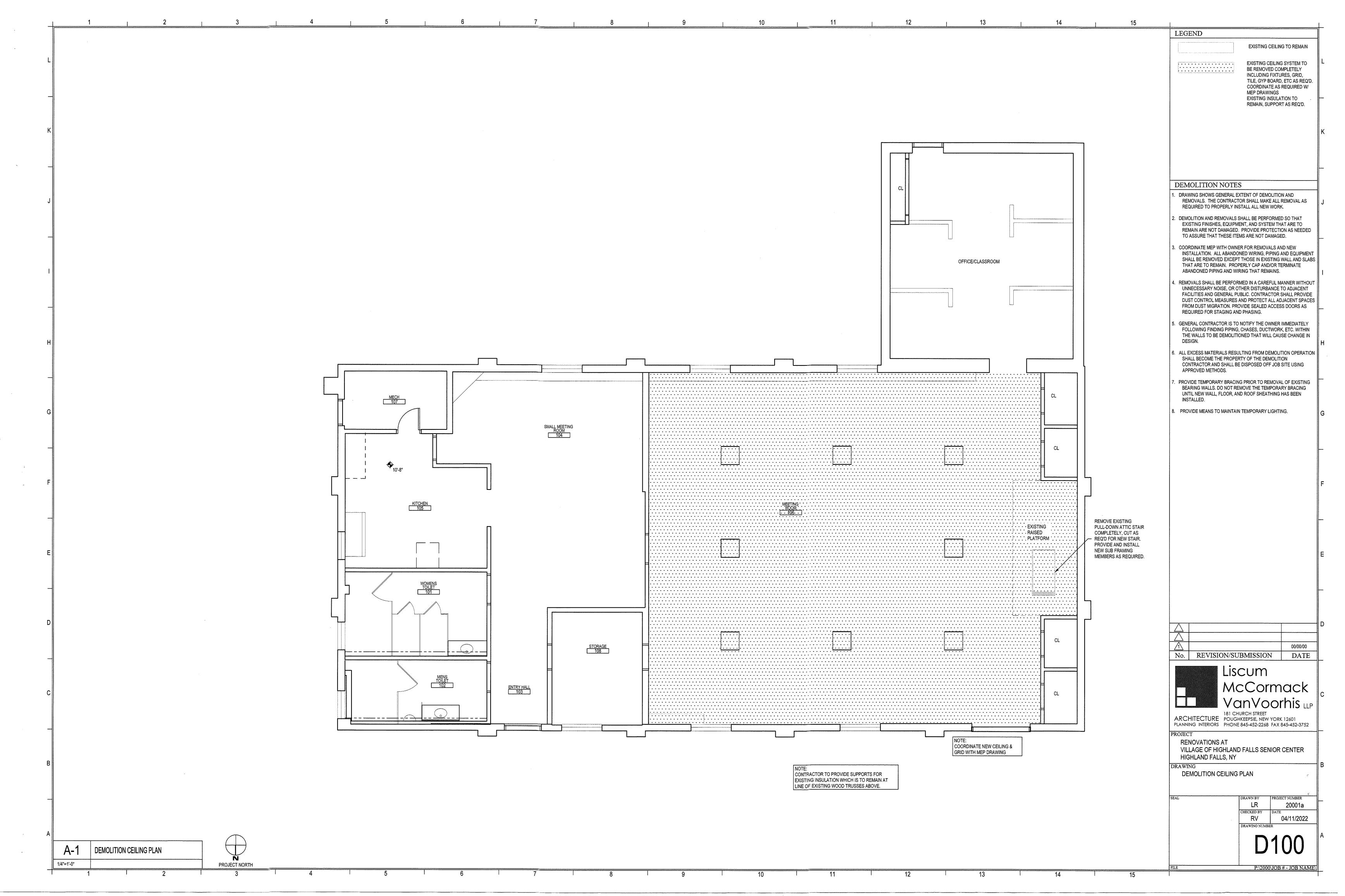
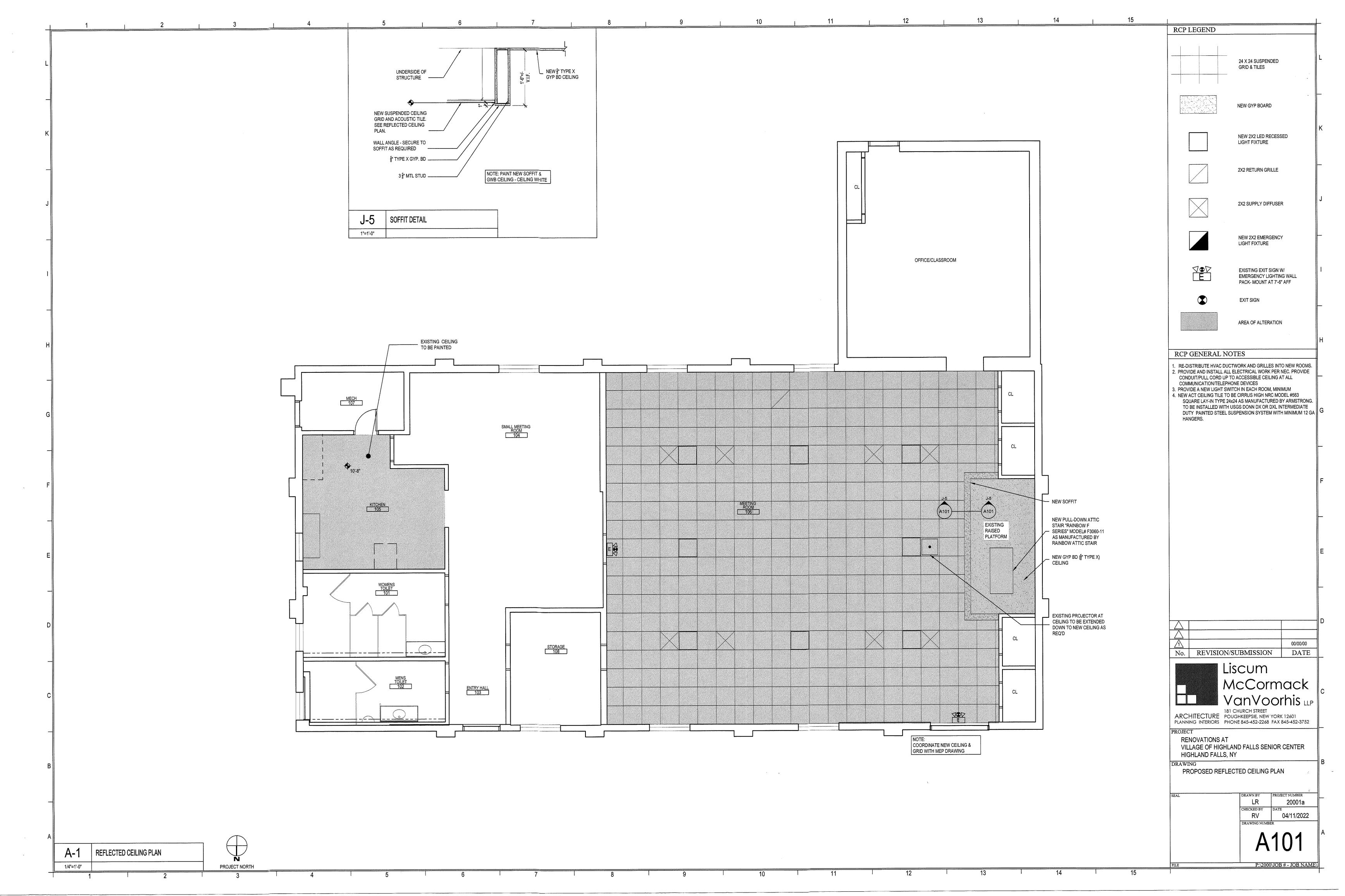
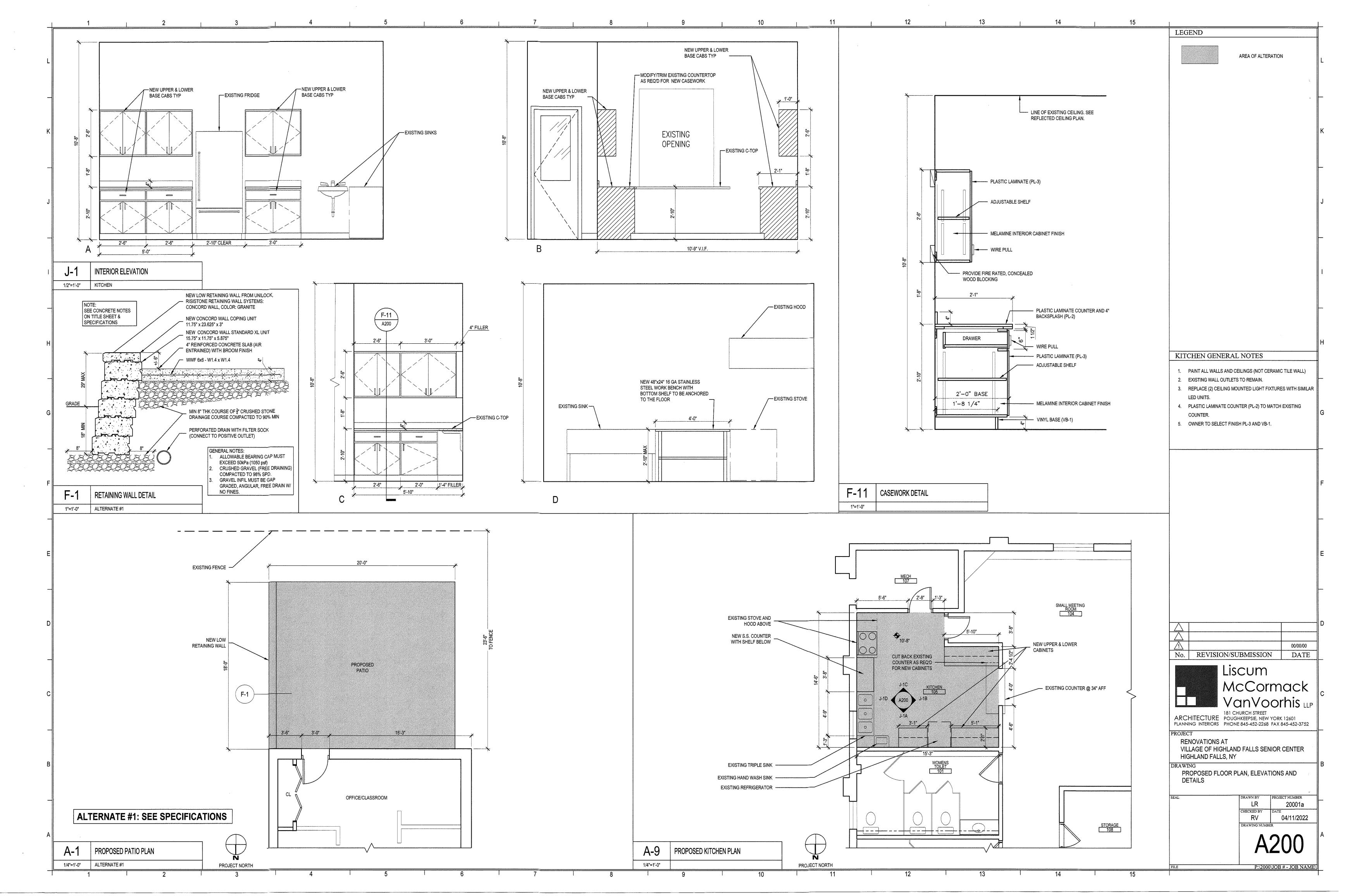
VILLAGE OF HIGHLAND FALLS SENIOR CENTER - Renovations HIGHLAND FALLS, NEW YORK









HVAC DEMOLITION NOTES:

- 1. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- 2. ANY DISCREPANCIES BETWEEN THE DEMOLITION PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER. ANY DEMOLITION WORK WHICH MAY BE QUESTIONABLE DUE TO UNFORESEEN FIELD CONDITIONS SHALL NOT BE REMOVED UNTIL REVIEWED BY THE ARCHITECT, ENGINEER OR BUILDING FACILITIES MANAGER.
- 3. DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT FOR CONNECTION TO NEW EQUIPMENT. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.
- 4. ALL EQUIPMENT REMOVALS SHALL BECOME THE PROPERTY OF THIS CONTRACTOR, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF DEMOLITION ITEMS OFF-SITE, UNLESS OTHERWISE NOTED.
- 5. ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- 6. IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- 7. THE PLANS ARE INTENDED TO CONVEY THE EXTENT AND SCOPE OF THE DEMOLITION WORK. EVERY ITEM INTENDED FOR REMOVAL MAY NOT BE SHOWN. THE CONTRACTOR IS ADVISED TO SURVEY THE PROJECT SITE BEFORE SUBMITTING A BID FOR DEMOLITION

GENERAL NOTES:

- 1. THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL HVAC WORK WITH OTHER TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
- 2. LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- 3. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- 4. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- 5. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
- 6. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

SCOPE OF PROJECT - HVAC:

- 1. PROVIDE AIR FLOW REPORT TO OWNER AND ENGINEER INDICATING EXISTING CFM VOLUMES OF ALL SUPPLY/RETURN DIFFUSERS/GRILLES SERVED BY THE FURNACE (HEATING SYSTEM) AND FAN COIL (COOLING SYSTEM ROOM 106).
- 2. REMOVE ALL CEILING DIFFUSERS/GRILLES INDICATED FROM SPLINE CEILING IN MEETING
- 3. PROVIDE NEW DIFFUSERS/GRILLES IN NEW DROPPED CEILING (APPROXIMATELY 18" BELOW EXISTING CEILING, SEE ARCH DRAWINGS). EXISTING FLEX DUCTWORK IN ATTIC TO BE REATTACHED TO THE DIFFUSERS/GRILLES. PROVIDE ADDITIONAL LENGTH OF INSULATED FLEX DUCT AS SHOWN IN DETAIL 1.
- 4. REBALANCE BOTH HEATING AND COOLING SYSTEMS AS DIRECTED BY ENGINEER AFTER REVIEW OF THE SUBMITTED AIR FLOW REPORT.
- 5. CHECK OPERATION OF ALL EXISTING VOLUME DAMPERS, PROVIDE NEW DAMPERS IF NON OPERATIONAL DAMPERS ARE LOCATED IN THE FIELD. PROVIDE NEW DAMPERS AT BRANCH TAKE-OFFS CURRENTLY NOT SUPPLIED WITH A DAMPER, FIELD VERIFICATION REQUIRED.

HVAC LINE TYPES

----- EXISTING EQUIPMENT/DUCT TO BE REMOVED EXISTING EQUIPMENT/DUCT TO REMAIN --- NEW EQUIPMENT / DUCT

DUCTWORK SYMBOLS

SUPPLY AIR TERMINAL

RETURN/EXHAUST AIR TERMINAL

EXHAUST AIR TERMINAL

GENERAL SYMBOLS

POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK

POINT OF DISCONNECT

- INDICATES TYPE OF AIR OUTLET --- INDICATES AIR FLOW REQUIREMENTS

EXISTING VOLUME PROVIDE DAMPER-METAL COLLAR-**EXISTING** - NEW DIFFUSER INSULATED MAIN DUCT-EXISTING FLEX DUCT-FLEX DUCT-NEW DROPPED CEILING

EXISTING DUCT TO NEW DIFFUSER CONNECTION DETAIL

ABBREVIATIONS

····			
AC	AIR CONDITIONING UNIT	F/SD	
ACT	ACOUSTIC CEILING TILE	G.C.	GENERAL CONTRACTOR
ACCU	AIR COOLED CONDENSING UNIT	H.C.	HVAC CONTRACTOR
AD	ACCESS DOOR	HF	HEPA FILTER
AF	AFTER FILTER	HP	HORSEPOWER
AFF	ABOVE FINISHED FLOOR	HV	HEATING AND VENTILATING UNIT
AFM	AIR FLOW MEASURING DEVICE	LF	LINEAR FEET
AHU	AIR HANDLING UNIT	MER	MECHANICAL EQUIPMENT ROOM
AP	ACCESS PANEL	MAX.	MAXIMUM
BTUH	BRITISH THERMAL UNITS/HOUR	MBH	ONE THOUSAND BTUH
CD	CEILING DIFFUSER	MIN.	MINIMUM
CFM	CUBIC FEET PER MINUTE	NOM.	NOMINAL
CG	CEILING GRILLE	OA	OUTSIDE AIR
CLG	CEILING	Р	PUMP
CR	CEILING REGISTER	P.C.	PLUMBING CONTRACTOR
Db	DRY BULB TEMPERATURE, *F	PF	PRE-FILTER
dB	DECIBELS	PSI	POUNDS PER SQUARE IN.
DN	DOWN	RA	RETURN AIR
DP	DIFFERENTIAL PRESSURE	RF	RETURN FAN
Dp	DEW POINT TEMPERATURE, *F	Rh	RELATIVE HUMIDITY
DS	DUCT SMOKE DETECTOR	SA	SUPPLY AIR
EA	EXHAUST AIR	SD	SMOKE DAMPER
EAT	ENTERING AIR TEMP	SP	STATIC PRESSURE
E.C.	ELECTRICAL CONTRACTOR	SPS	STATIC PRESSURE SENSOR
EER	ENERGY EFFICIENCY RATIO	S.S.	STAINLESS STEEL
EF	EXHAUST FAN	TWU	THRU WALL UNIT
EXIST	EXISTING	U.N.O.	UNLESS NOTED OTHERWISE
F.A.I.	FRESH AIR INTAKE	VD	VOLUME DAMPER
FC	FLEXIBLE CONNECTION	VI	VIBRATION ISOLATOR
FCU	FAN COIL UNIT	VIF	VERIFY IN FIELD
FD	FIRE DAMPER	WЬ	WET BULB TEMPERATURE, 'F
FLR	FLOOR	WMS	WIRE MESH SCREEN
FPC	FIRE PROTECTION CONTRACTOR		

AIR OUTLET SCHEDULE					'TITUS' AS STANDARD OR APPROVED EQUAL		
DESIGNATION AND SYMBOL	PANEL SIZE (IN)	FRAME TYPE	NECK SIZE (IN)	THROW PATTERN	FINISH	MODEL NO.	REMARKS
CD-1	24×24	LAY-IN	10 " ø	4-WAY	WHITE	TMSAA	SEE NOTE
RG-1	24×24	LAY-IN	10 " ø		WHITE	300FL	SEE NOTE
EG-1	24×24	LAY-IN	N/A		WHITE	300FL	SEE NOTE

1. ALL SUPPLY DIFFUSERS SHALL HAVE FACTORY INSULATED BACKPANS.

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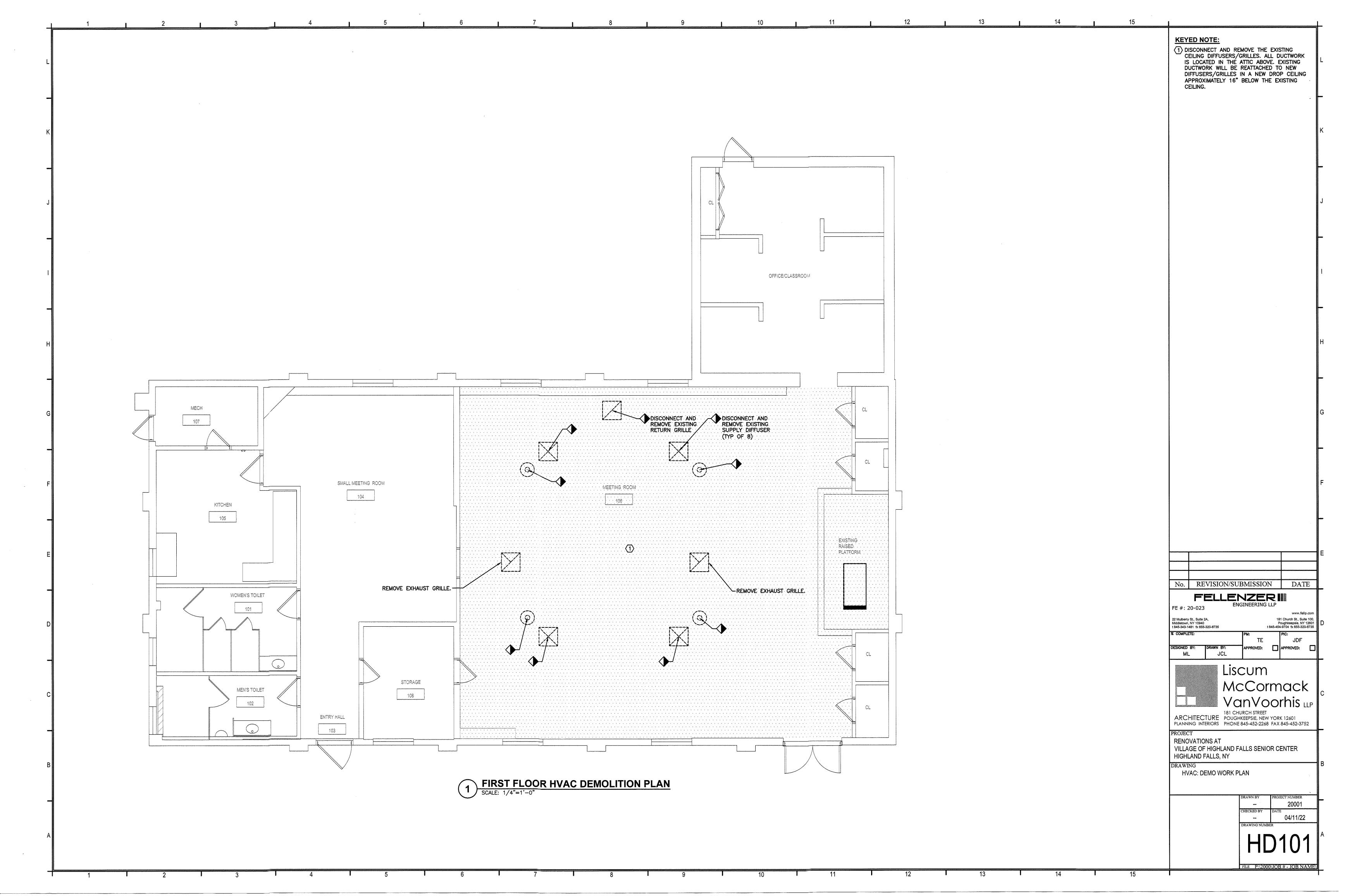
181 CHURCH STREET ARCHITECTURE POUGHKEEPSIE, NEW YORK 12601 PLANNING INTERIORS PHONE 845-452-2268 FAX 845-452-3752 **RENOVATIONS AT**

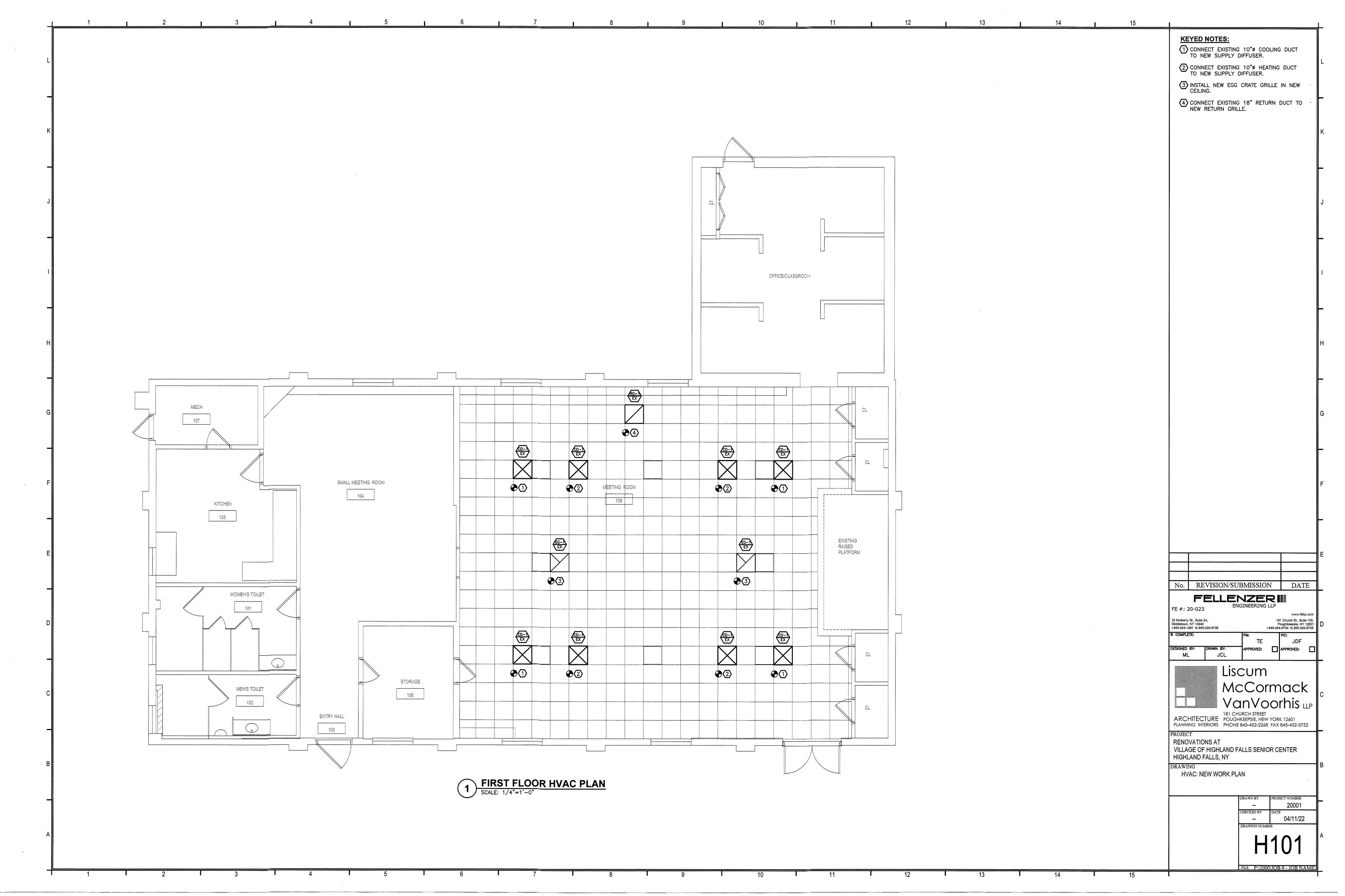
VILLAGE OF HIGHLAND FALLS SENIOR CENTER HIGHLAND FALLS, NY

HVAC: SYMBOLS, NOTES, & ABBREVIATIONS

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FILE P:\2000\JOB # - JOB NAME





GENERAL NOTES:

- 1. THE ELECTRICAL CONTRACTOR SHALL NOT ENDANGER THE STABILITY OF THE STRUCTURE OR ANY PART THEREOF BY CUTTING, DRILLING OR OTHERWISE, AND SHALL NOT IN ANY WAY CUT OR ALTER THE WORK OF ANY OTHER CONTRACTOR, EXCEPT WITH THE WRITTEN CONSENT OF AND UNDER THE DIRECTION OF THE ARCHITECT AND/OR GENERAL CONTRACTOR.
- 2. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL APPROVALS AND CERTIFICATES AND PAY ALL FEES FOR ALL THE WORK INSTALLED. CERTIFICATES SHALL BE DELIVERED TO THE GENERAL CONTRACTOR BEFORE FINAL PAYMENT WILL BE MADE.
- 3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE VERSION OF THE NEC AS WELL AS ALL STATE AND LOCAL CODES.
- 4. PRIOR TO SUBMISSION OF BID PROPOSAL, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CAREFULLY THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT WILL BE INCURRED DURING THE PERFORMANCE OF HIS WORK.
 - A. VERIFY & COORDINATE SCOPE OF DEMOLITION WORK.
 - B. VERIFY & COORDINATE SCOPE OF WORK INVOLVING CONNECTIONS TO EXISTING BASE BUILDING SYSTEMS.
 - C. COORDINATE WITH THE GENERAL CONTRACTOR SHUT DOWNS OF EXISTING FACILITIES.
- 5. ARRANGE FOR SITE VISIT WITH THE BLDG. OWNER REPRESENTATIVE AND GENERAL CONTRACTOR.
- 6. CLAIMS FOR ADDITIONAL COMPENSATION ARISING DUE TO THE FAILURE OF THE CONTRACTOR TO FULLY UNDERSTAND THE SITE CONDITIONS SHALL NOT BE PAID FOR BY ANY OTHER PARTY.
- 7. CONNECTIONS TO EXISTING WORK:
 - A. INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES.
 - B. TEMPORARY SHUTDOWNS OF EXISTING SERVICES:
 - a. AT NO ADDITIONAL CHARGES.
 - b. AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING SERVICES.
 - c. ONLY WITH WRITTEN CONSENT OF THE GENERAL CONTRACTOR AND/OR BUILDING OWNERS REPRESENTATIVE.
 - C. EMERGENCY SYSTEMS: NOT TO BE INTERRUPTED.
 - D. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK.
 - E. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION, INCLUDING MAINTENANCE OF WIRING CONTINUITY AS REQUIRED.

- 8. LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS.
- 9. DO NOT PULL THERMOPLASTIC WIRES AT TEMPERATURES LOWER
 THAN 32 DEG F (0 DEG C). PROVIDE CABLE SUPPORTS FOR WIRE
 IN RISER CONDUITS AS REQUIRED BY CODE.
- 10. SUPPORT PANEL, JUNCTION & PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUIT.
- 11. FOR EACH LOCATION OF OTHER TRADES EQUIPMENT, SEE RESPECTIVE TRADE DRAWINGS.
- 12. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAILS SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE WORKABLE SYSTEM.
- 13. ALL GROUND CONNECTIONS TO THE BUILDING STEEL SHALL BE EXOTHERMIC WELDED.
- 14. ALL EQUIPMENT DEVICES, WIRING, ETC. SHOWN ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED.
- 15. ELECTRICAL CONTRACTOR SHALL BECOME FAMILIAR AND COMPLY WITH OWNERS BUILDING STANDARDS FOR CONSTRUCTION.
- 16. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- 17. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
- 18. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

LEGEND AND SCHEDULE OF FIRE ALARM EQUIPMENT

SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION
FAP	FIRE-LITE	MS-9600UDLS(E)	FIRE ALARM CONTROL PANEL WITH ON-BOARD DIGITAL ALARM COMMUNICATOR TRANSMITTER, UP TO 318 ADDRESSABLE DEVICES PER LOOP AND FOUR ON-BOARD NOTIFICATION APPLIANCE CIRCUITS. PROVIDE ALL APPURTENANCES FOR A COMPETE SYSTEM.
P		BG-12	ADDRESSABLE MANUAL DUAL—ACTION PULL STATION WITH HEX LOCK. RED
©	ļ	SD-365	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR WITH ADJUSTABLE .05% TO 4% SENSITIVITY.
©	SYSTEM SENSOR	CO1224TR	CARBON MONOXIDE DETECTOR WITH DUAL COLOR LED INDICATOR THAT BLINKS TO INDICATE NORMAL STANDBY, ALARM, OR END-OF-LIFE. WHEN THE SENSOR SUPERVISION IS IN A TROUBLE CONDITION, THE DETECTOR SHALL SEND A TROUBLE SIGNAL TO THE PANEL.
$_{f eta}$	FIRE-LITE	H365HT	ADDRESSABLE 190 F HIGH-TEMPERATURE HEAT DETECTOR.
69		D335PL	ADDRESSABLE NON-RELAY PHOTOELECTRIC DUCT SMOKE DETECTOR. PROVIDE WITH APPROPRIATELY SIZED METAL SAMPLING TUBE AND ALL OTHER APPURTENANCES NECESSARY FOR A COMPLETE SYSTEM. COORDINATE INSTALLATION WITH M.C.
⑤	SYSTEM SENSOR	SRL	STROBE WITH SELECTABLE 15,30,75,95,110, 135, AND 185 cd OUTPUT. RED INDOOR USE ONLY.
(H/S)		P2RL	HORN-STROBE WITH SELECTABLE 15,30,75, 95,110,135, AND 185 cd STROBE OUTPUT AND SELECTABLE 83-90 db HORN OUTPUT. RED. INDOOR USE ONLY.

NOTES

- 1. PROVIDE APPURTENANCES NECESSARY SUCH THAT IF MORE THEN TWO STROBES ARE
- VISIBLE THEY SHALL FLASH IN SYNCH.
 2. STROBES MUST BE PLACED 15' FROM THE END OF ANY CORRIDOR.

ELECTRICAL DEMOLITION NOTES:

- 1. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- 2. ALL EXISTING DEVICES SCHEDULED TO REMAIN SHALL BE EXTENDED/RE—CIRCUITED TO MAINTAIN CONTINUITY OF CIRCUIT/DEVICES.
- 3. ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- 4. IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- 5. THE PLANS ARE INTENDED TO CONVEY THE EXTENT AND SCOPE OF THE DEMOLITION WORK. EVERY ITEM INTENDED FOR REMOVAL MAY NOT BE SHOWN. THE CONTRACTOR IS ADVISED TO SURVEY THE PROJECT SITE BEFORE SUBMITTING A BID FOR DEMOLITION WORK.

FIRE ALARM NOTES:

- 1. REFER TO THE FLOOR PLANS FOR LOCATION & QUANTITY OF FIRE ALARM DEVICES.
- 2. ALL FIRE ALARM WIRING SHALL BE IN TEFLON WIRE AND SHALL BE CONCEALED IN CEILING SPACES & WALLS.
- 3. SYSTEM SCHEMATIC IS A DIAGRAMMATIC REPRESENTATION OF THE FIRE ALARM SYSTEM. THE SYSTEM SHALL BE INSTALLED AND WIRED AS PER THE SYSTEM MANUFACTURER'S RECOMMENDATION FOR A COMPLETE AND OPERABLE SYSTEM.
- 4. CONTRACTOR IS RESPONSIBLE FOR ALL FILING AND FINAL INSPECTION AS PER THE LOCAL AUTHORITY HAVING JURISDICTION.
- 5. CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY MODULES, INTERFACE MODULES AND DEVICES REQUIRED TO PROVIDE AN OPERABLE ALARM SYSTEM IN COMPLIANCE WITH ALL CODES.
- 6. FIRE ALARM PANEL SHALL PROVIDE CONTINUOUSLY SUPERVISED MONITORING OF ALL SYSTEMS FOR OPENS, SHORTS AND GROUNDS.
- 7. ACTIVATION OF THE SMOKE DETECTORS SHALL CAUSE A GENERAL ALARM AFTER THE SMOKE DETECTOR PERFORMS VERIFICATION.
- 8. ACTIVATION OF ANY HEAT DETECTOR SHALL IMMEDIATELY CAUSE THE ALARM PANEL TO ENTER THE ALARM MODE.
- 9. UPON ENTERING THE PANEL ALARM MODE, THE ALARM INDICATING DEVICE SHALL BE ACTIVATED, AND THE SUPPLY FANS SHALL SHUT—DOWN AND THE DIGITAL COMMUNICATOR SHALL NOTIFY THE CENTRAL RECEIVING STATION.
- 10. CONTRACTOR SHALL PROVIDE ALL NECESSARY ADDITIONAL RELAY DEVICES OR POWER TRANSFORMERS FOR PROPER OPERATION OF THE FAN SHUT-DOWN UNITS AND OTHER RELATED DEVICES.
- 11. BATTERY BACKUP SHALL PROVIDE A MINIMUM OF 24 HRS. OPERATION WITH A 15 MINUTE ALARM AT THE END OF 24 HRS.
- 12. FIRE ALARM SYSTEM SHALL BE TESTED IN ACCORDANCE WITH NFPA CODES AS WELL AS ALL LOCAL AND STATE CODE REQUIREMENTS.

13. PROVIDE APPURTENANCES NECESSARY SUCH THAT IF MORE

THEN TWO STROBES ARE VISIBLE THEY SHALL FLASH IN SYNCH.

14. ENTIRE FIRE DETECTION AND ALARM SYSTEM SHALL BE

FURNISHED AND INSTALLED BY A N.Y. STATE LICENSED ALARM

- CONTRACTOR.

 15. FIRE ALARM PANEL SHALL BE PROVIDED WITH A REMOTE DIALER WITH (2) DIRECT CONNECTIONS TO THE ORANGE
- 16. FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL A KNOX BOX AT THE ENTRANCE TO THE BUILDING NEAREST THE FIRE ALARM PANEL WITH SIGNAGE ON THE DOOR TO THE FIRE ALARM CONTROL PANEL ROOM. COORDINATE ALL REQUIREMENTS WITH LOCAL FIRE AND BUILDING DEPARTMENT OFFICIALS.
- 17. FIRE ALARM CONTRACTOR SHALL INTERCONNECT CO
 DETECTORS WITH THE NEW FIRE ALARM SYSTEM FOR PRIMARY
 POWER AND BATTERY BACKUP. CO ALARM SHALL ANNUNCIATE
 AS A SUPERVISORY CONDITION. CO DETECTORS ARE TO BE
 INSTALLED AS CLOSE AS POSSIBLE TO WHERE SUPPLY AIR
 FROM HVAC UNITS ENTER SPACE AS WELL AS BY ANY GAS
 FIRED EQUIPMENT.

SCOPE OF PROJECT - ELECTRICAL:

COUNTY FIRE CONTROL CENTER.

- 1. REMOVE EXISTING LIGHT FIXTURES IN MEETING ROOM 106 FROM SPLINE CEILING.
- 2. PROVIDE NEW LED LIGHT FIXTURES IN NEW DROPPED CEILING.

SCOPE OF PROJECT - FIRE ALARM:

- 1. PROVIDE NEW ADDRESSABLE FIRE/SMOKE DETECTION SYSTEM THROUGHOUT BUILDING.
- 2. ACTIVATION OF FIRE ALARM SYSTEM SHALL SHUT DOWN FANS OF FURNACE & FAN COIL UNIT.

LIGHTING SYMBOLS

12

- 2'x2' LENSED LIGHTING FIXTURE (SEE SCHEDULE)
- EMERGENCY LIGHT/EXIT SIGN WALL FIXTURE

1 9 1 10 1 11

POWER SYMBOLS

- SPEC GRADE NEMA 5-20R RECEPTACLE.

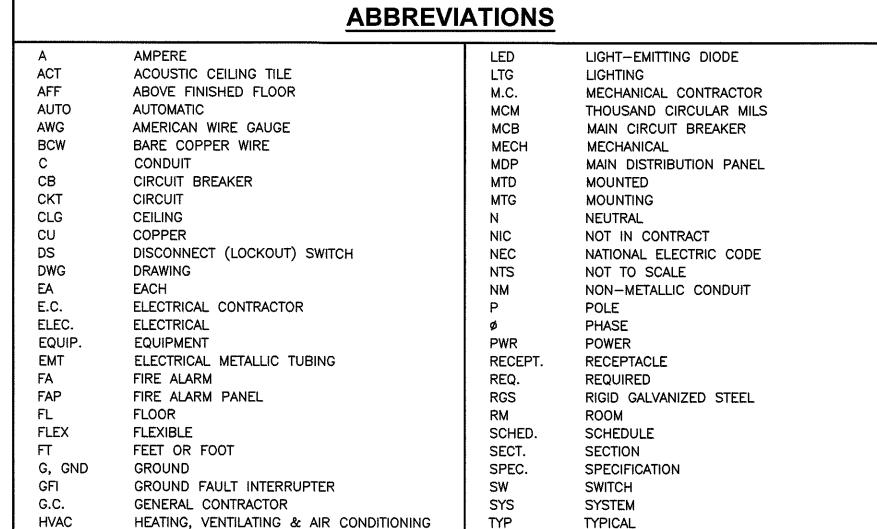
 -GFI INDICATES GROUND FAULT INTERRUPTION

 -WP INDICATES WEATHER PROOF ENCLOSURE
- CONDUIT HOME RUN TO DESIGNATED PANEL. REFER TO PANEL SCHEDULE FOR CONDUIT & CABLE QUANTITY AND SIZE.

FIRE ALARM SYMBOLS

SPECIAL PURPOSE CONNECTION.

- P FIRE ALARM PULL STATION
- S SMOKE DETECTOR.
- S) STROBE ONLY ADA COMPLIANT
- (H/S) FIRE ALARM HORN W/STROBE ADA COMPLIANT
 - HEAT DETECTOR
- CO CARBON MONOXIDE DETECTOR



U.N.O.

VIF

INTERMEDIATE METAL CONDUIT

JUNCTION BOX

KILO VOLT AMP

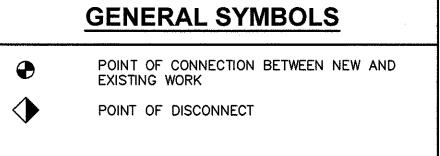
KILO VOLT

KILO WATT

ΗZ

IMC

KVA



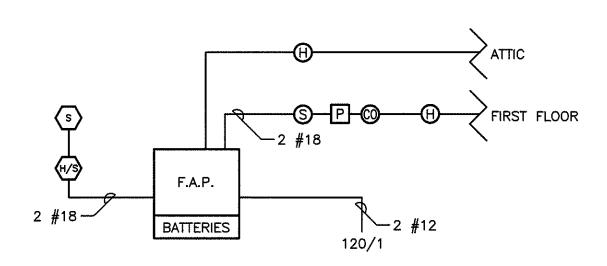
UNLESS NOTED OTHERWISE

VERIFY IN FIELD

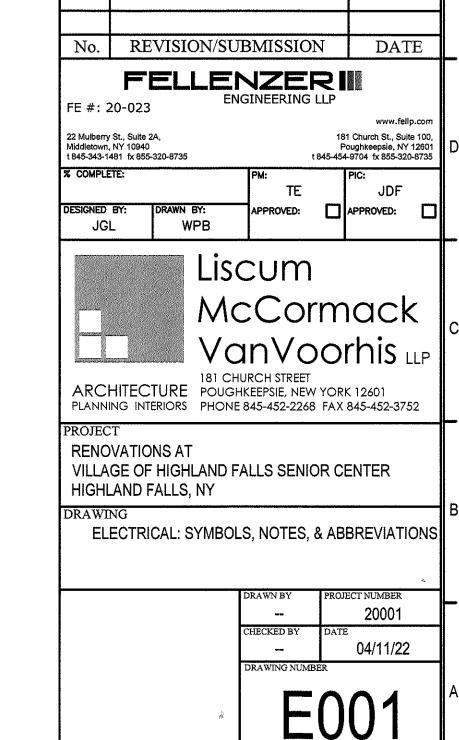
WEATHER PROOF

WATT

LEGEND AND SCHEDULE OF LIGHTING EQUIPMENT				
SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION	
A	HE WILLIAMS	PT-22-L52/ 835-RA- DIM-UNV	2'x2' RECESSED LED FIXTURE. 5,200 LUMENS, 3500K, 80 CRI, UNIVERSAL VOLTAGE, DIMMING DRIVER.	
&	DUAL-LITE	EVCURWD4	LEVE SERIES LED COMBINATION EXIT/EMERGENCY LIGHT FIXTURE. 90 MINUTES OF EMERGENCY LIGHTING. 120V.	
4	DUAL-LITE	EV-2	EV SERIES LED EMERGENCY LIGHT FIXTURE. 90 MINUTES OF EMERGENCY LIGHTING. 120V.	
OEM	DUAL-LITE	PG-W-HTR	WALL MOUNTED, OUTDOOR EMERGENCY LIGHT WITH 2 SETS OF LED LAMPS (405 LUMENS), SELF DIAGNOSTICS, BATTERY HEATER & BATTERY CAPABLE OF PROVIDING 90 MINUTES CONTINUOUS BACKUP. WHITE HOUSING, 120V.	



1 FIRE ALARM / DETECTION SYSTEM SCHEMATIC



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