

HVAC DEMOLITION NOTES:

- COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- 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.
- DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT FOR CONNECTION TO NEW EQUIPMENT. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.
- 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.
- ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- 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.

GENERAL NOTES:

- 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.
- LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- 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.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- 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.
- 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:

- 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).
- REMOVE ALL CEILING DIFFUSERS/GRILLES INDICATED FROM SPLINE CEILING IN MEETING ROOM 106.
- 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.
- REBALANCE BOTH HEATING AND COOLING SYSTEMS AS DIRECTED BY ENGINEER AFTER REVIEW OF THE SUBMITTED AIR FLOW REPORT.
- 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

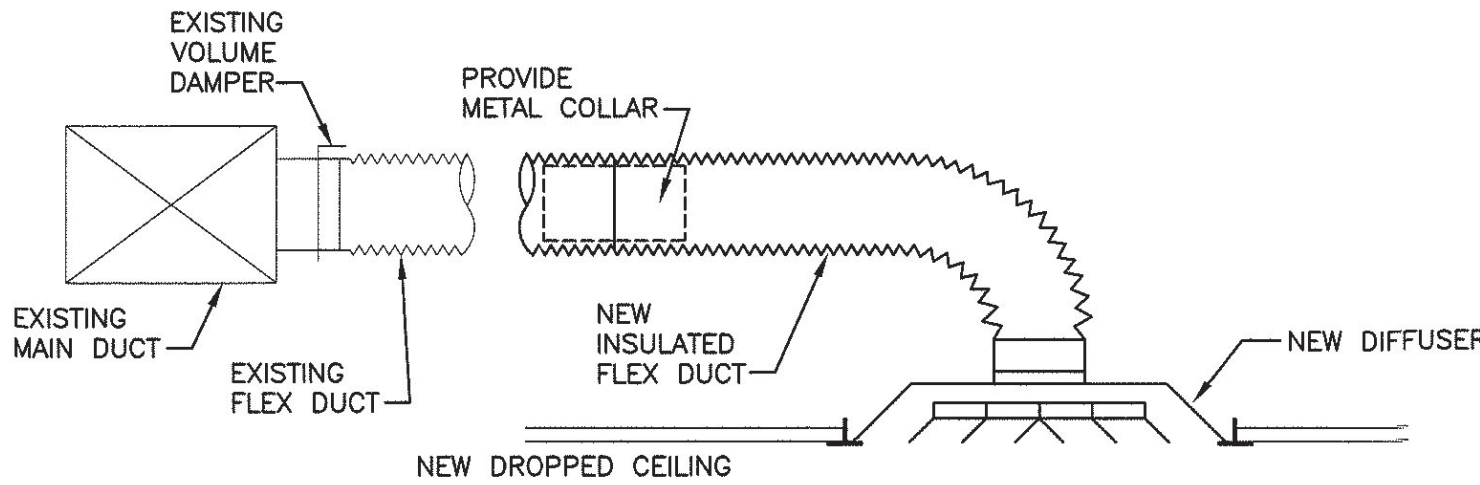
- ☒ SUPPLY AIR TERMINAL
- ☑ RETURN/EXHAUST AIR TERMINAL
- ☑ EXHAUST AIR TERMINAL

GENERAL SYMBOLS

- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- ◆ POINT OF DISCONNECT
- ⬢ INDICATES TYPE OF AIR OUTLET
- ⬢ INDICATES AIR FLOW REQUIREMENTS

ABBREVIATIONS

AC	AIR CONDITIONING UNIT	F/SD	COMBINATION FIRE/SMOKE DAMPER
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	P	PUMP
CR	CEILING REGISTER	P.C.	PLUMBING CONTRACTOR
D _b	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
D _p	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	W _b	WET BULB TEMPERATURE, °F
FLR	FLOOR	WMS	WIRE MESH SCREEN
FPC	FIRE PROTECTION CONTRACTOR		



1 EXISTING DUCT TO NEW DIFFUSER CONNECTION DETAIL
N.T.S.

AIR OUTLET SCHEDULE

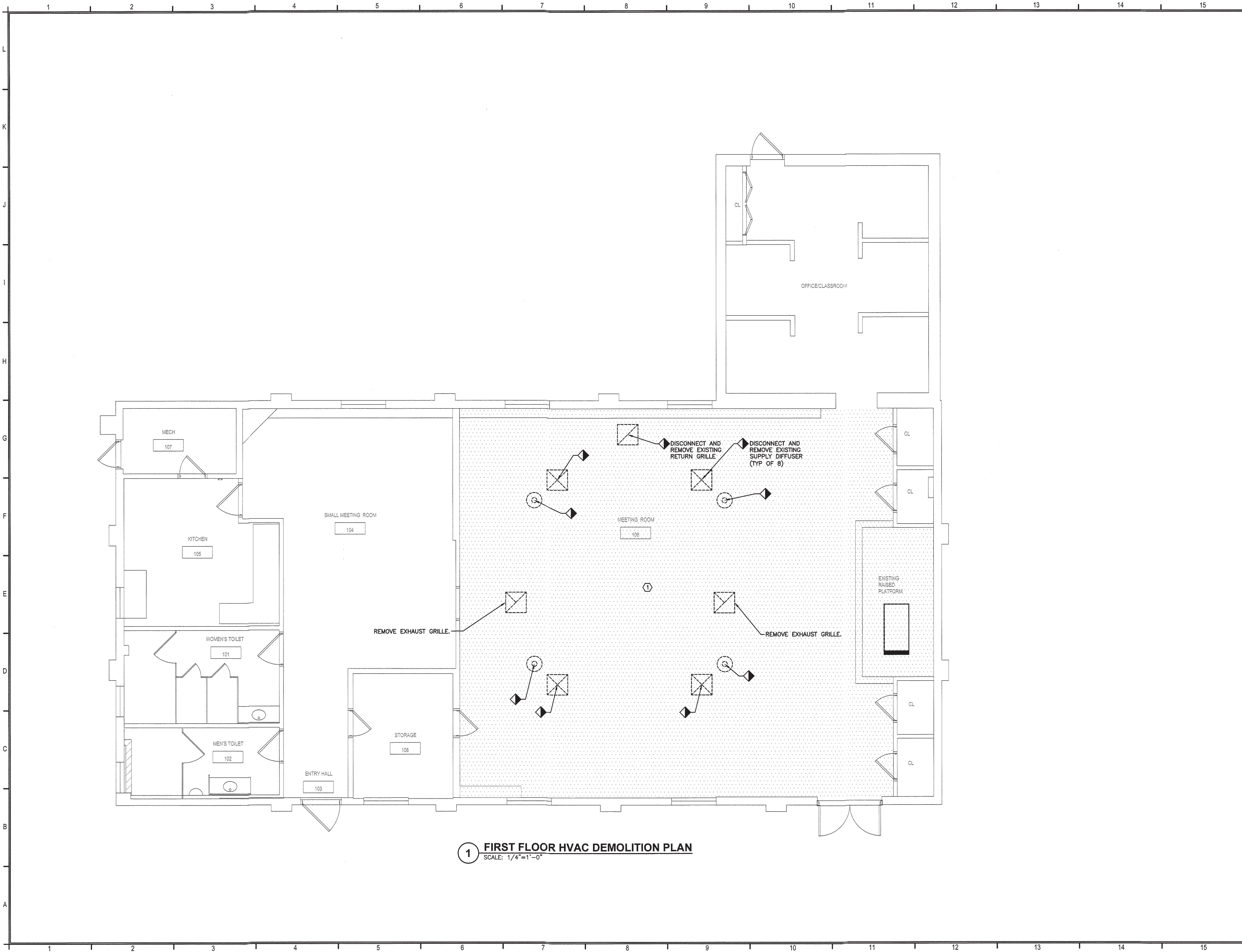
TITUS AS STANDARD OR APPROVED EQUAL

DESIGNATION AND SYMBOL	PANEL SIZE (IN)	FRAME TYPE	NECK SIZE (IN)	THROW PATTERN	FINISH	MODEL NO.	REMARKS
☒ CD-1	24x24	LAY-IN	10"ø	4-WAY	WHITE	TMS-AA	SEE NOTE
☑ RG-1	24x24	LAY-IN	10"ø	---	WHITE	300FL	SEE NOTE
☑ EG-1	24x24	LAY-IN	N/A	---	WHITE	300FL	SEE NOTE

NOTES:

- ALL SUPPLY DIFFUSERS SHALL HAVE FACTORY INSULATED BACKPANS.

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% COMPLETE:	PM: TE	PC: JDF
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PROJECT RENOVATIONS AT VILLAGE OF HIGHLAND FALLS SENIOR CENTER HIGHLAND FALLS, NY		
DRAWING HVAC: SYMBOLS, NOTES, & ABBREVIATIONS		
DRAWN BY: --	PROJECT NUMBER: 20001	
CHECKED BY: --	DATE: 04/11/22	
DRAWING NUMBER H001		
FILE: P:\2000\JOB #- JOB NAME		



KEYED NOTE:
① DISCONNECT AND REMOVE THE EXISTING CEILING DIFFUSERS/GRILLES. ALL DUCTWORK IS LOCATED IN THE ATTIC ABOVE. EXISTING DUCTWORK WILL BE REATTACHED TO NEW DIFFUSERS/GRILLES IN A NEW DROP CEILING APPROXIMATELY 16" BELOW THE EXISTING CEILING.

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PROJECT
RENOVATIONS AT
VILLAGE OF HIGHLAND FALLS SENIOR CENTER
HIGHLAND FALLS, NY

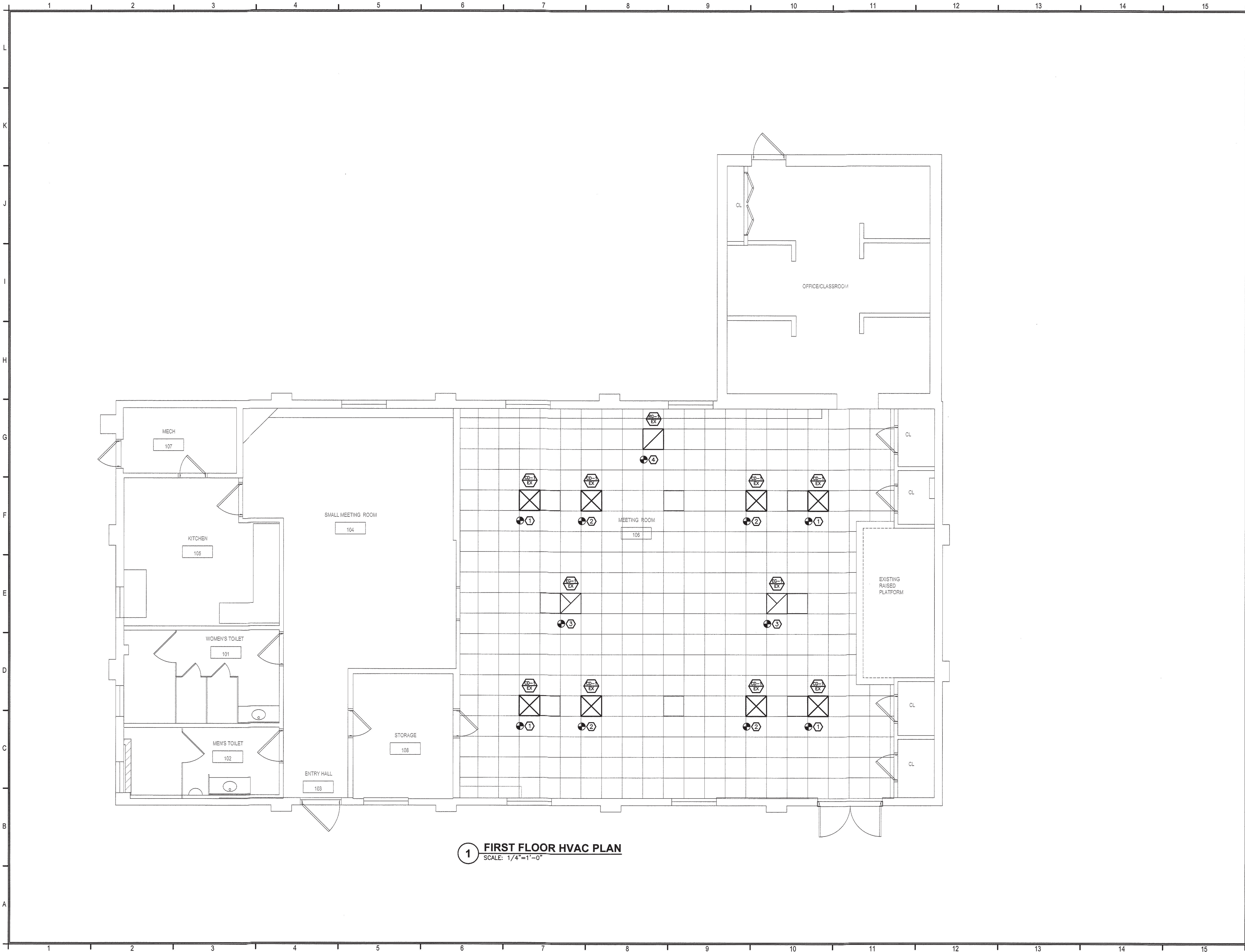
DRAWING
HVAC: DEMO WORK PLAN

DRAWN BY: --	PROJECT NUMBER: 20001
CHECKED BY: --	DATE: 04/11/22
DRAWING NUMBER	

HD101

FILE: P200001JOB# - JOB NAME

① FIRST FLOOR HVAC DEMOLITION PLAN
SCALE: 1/4"=1'-0"



- KEYED NOTES:**
- 1 CONNECT EXISTING 10"Ø COOLING DUCT TO NEW SUPPLY DIFFUSER.
 - 2 CONNECT EXISTING 10"Ø HEATING DUCT TO NEW SUPPLY DIFFUSER.
 - 3 INSTALL NEW EGG CRATE GRILLE IN NEW CEILING.
 - 4 CONNECT EXISTING 18" RETURN DUCT TO NEW RETURN GRILLE.

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PROJECT
RENOVATIONS AT
VILLAGE OF HIGHLAND FALLS SENIOR CENTER
HIGHLAND FALLS, NY

DRAWING
HVAC: NEW WORK PLAN

DRAWN BY: PROJECT NUMBER: 20001
CHECKED BY: DATE: 04/11/22
DRAWING NUMBER:

H101

FILE: P200001JOB#-108.NAM