

LEVEL 1 ALTERATION:

MILLBURY HIGH SCHOOL FOODS PROGRAM ROOM

OWNER
TOWN OF MILLBURY
SCHOOL DEPARTMENT
12 MARTIN STREET
MILLBURY, MA 01527

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ARCHITECTS STAMP:

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ENGINEER'S STAMP:

GENERAL INFORMATION:

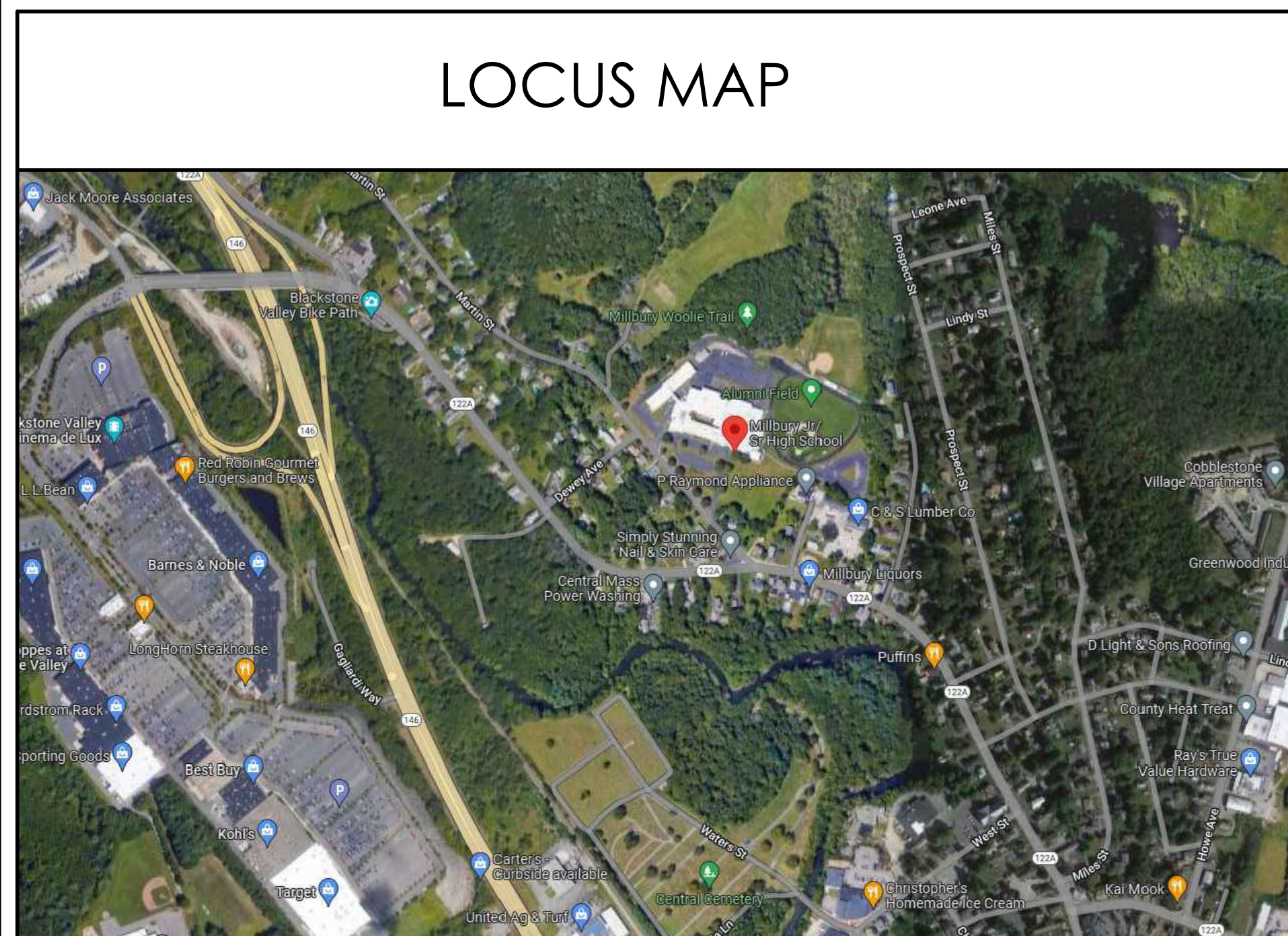
ABBREVIATIONS

A.C.T	ACOUSTICAL CEILING TILE
ACST	ACOUSTIC
AF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
ARCH	ARCHITECT
AVG	AVERAGE
BM	BEAM
BR	BRASS
BR	BRONZE
BLDG	BUILDING
BLFH	BUILT IN
CAB	CABINET
CLG	CEILING
CL	CENTER LINE
CM	CENTIMETER
CLR	CERAMIC
CLW	CLEAR
COL	COLD WATER
CONC	CONCRETE
CONC	CONCRETE MASONRY UNIT
CONSTR	CONSTRUCTION
CONTR	CONTRACTOR
DEM	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DM	DIMENSION
DR	DOOR
DN	DOWN
DWG	DRAWING
DF	DRAINING FOUNTAIN
EA	EACH
ELEC	ELECTRIC
EW	ELECTRIC WATER COOLER
EQ	EQUAL
EQIP	EQUIPMENT
EST	ESTIMATE
EXT	EXISTING
FAB	FABRICATE
FT	FEET
FR	FRESH
FAO	FINISHED ALL OVER
FR	FRESH
FLR	FLOOR
FLR	FLORESCENT
FS	FULL SIZE
FURN	FURNISH
GA	GAUGE
GEN	GENERAL
GWB	GYPSON BOARD
HW	HARDWARE
HW	HARDWOOD
HT	HEIGHT
HC	HOLLOW CORE
HR	HORIZONTAL
HW	HOT WATER
IN	INCH
INS	INSULATION
INT	INTERIOR
JBOX	JUNCTION BOX
LAV	LAVATORY
LT	LIGHT
LIC	LIGHTING
LN	LINEAR
LNO	LINOLEUM
MFR	MANUFACTURER
GA	GYPSON BOARD
GWB	GYPSON WALL BOARD
YD	YARD
MANUFACTURED	
MAR	MARBLE
MAS	MASONRY
MAT	MATERIAL
MAX	MECHANICAL
ML	METAL
M	METER
MIR	MIRROR
MIS	MISCELLANEOUS
MULL	MULLION
NAT	NATURAL
NOM	NOMINAL
NIC	NOT IN CONTRACT
NIS	NOT TO SCALE
N	NUMBER
OP	OPENING
OPF	OPPOSITE
PID	PAINTED
PL	PARTITION
PL	PLASTER
PLAM	PLASTIC LAMINATE
PLWD	PLYWOOD
P.T.	PRESSURE TREATED
QTY	QUANTITY
QT	QUARTY TILE
R	RADIUS
REF	REFERENCE
RENO	REINFORCE
REMO	REMOVE
REQD	REQUIRED
REV	REVISION
RS	RIB
RM	ROOM
R.O.	ROUGH OPENING
SCH	SCHEDULE
SECT	SECTION
SH	SHEET
SIM	SIMILAR
SP	SOLID CORE
SPEC	SPECIFICATIONS
SF	SQUARE FEET
SI	SQUARE INCHES
SS	STAINLESS STEEL
STD	STANDARD
ST	STEEL
STR	STRUCTURAL
SUSP	SUSPENDED
SYS	SYSTEM
TEL	TELEPHONE
TEMP	TEMPERATURE
T&G	TONGUE & GROOVE
TR	TREAD
UNF	UNFINISHED
UR	URNAL
VR	VENT THROUGH ROOF
VIF	VERIFY IN THE FIELD
VERT	VERTICAL
VCT	VINTI TILE
WCS	WARRANTY
WC	WATER CLOSET
WP	WEIGHT
WF	WIDTH
W	WITH
WO	WITHOUT
WO	WOOD
WI	WINDIGHT IRON
YD	YARD

LEGEND

SYMBOLS	MATERIALS	DRAWING SYMBOLS
	EARTH - LOAM	EXIST WALL TO REMAIN
	EARTH - FILL	DEMO EXIST WALL
	GRAVEL	NEW CONSTRUCTION
	SAND	PULL STATION
	CONCRETE	EMERGENCY EXIT SIGN
	CONCRETE MASONRY	HORN/STROBE
	BRICK	STROBE
	BITUMINOUS CONCRETE	EMERGENCY BATTERY UNIT W/ EMERG LIGHTS
	BATT INSULATION	EMERGENCY LIGHT
	RIGID INSULATION	EMERGENCY EXIT SIGN W/ EMERG LIGHTS
	WOOD - FRAMING	REMOE HEAD
	WOOD - FINISH	EMERGENCY EXIT SIGN W/ EMERG LIGHTS
	PLYWOOD - SMALL SCALE	FIRE EXTINGUISHER
	ACOUSTICAL TILE	CARD READER ACCESS
	STEEL	EMERGENCY SHOWER
	ALUMINUM	THERMOSTAT
		SMOKE DETECTOR
		CARBON MONOXIDE DETECTOR
		RECESSED LIGHTING FIXTURE
		SPRINKLER HEAD
		HVAC EXHAUST GRILLE - RETURN
		HVAC - SUPPLY REGISTER
		RECESSED DOWN LIGHT
		MOTION DETECTOR

LOCUS MAP



LIST OF DRAWINGS

T-1.0	TITLE SHEET	05.01.2022
T-1.1	GENERAL NOTES	02.06.2023
ARCHITECTURAL		
D-1.2	FOODS PROGRAM ROOM DEMOLITION PLANS	
A-1.2	PROPOSED FOODS PROGRAM ROOM PLANS	
A-2.2	PROPOSED FOODS PROGRAM ROOM FURNITURE & FINISH PLANS	
A-3.1	INTERIOR ELEVATIONS	
A-4.1	TYPICAL DETAILS	
MECHANICAL		
H-0.0	HVAC - LEGENDS AND NOTES	
H-1.1	HVAC - PROPOSED DUCTWORK PLAN	
H-2.1	HVAC - DETAILS, CONTROL DIAGRAMS & SCHEDULE	
PLUMBING		
P-0.1	PLUMBING - LEGEND, NOTES & SCHEDULES	
P-0.2	PLUMBING - DETAILS	
P-1.1	PLUMBING - DEMO & PROPOSED PLANS	
ELECTRICAL		
E-1.1	PARTIAL FLOOR PLANS - ELECTRICAL DEMOLITION	
E-1.1	PARTIAL FLOOR PLANS - LIGHTING & POWER	
DATE: 02.06.2023		
SCALE: AS NOTED		
PROJECT: - -		
DRAWN: JGH		
CHECKED: JGH		
PROJECT TITLE: MILLBURY HIGH SCHOOL FOODS PROGRAM ROOM 12 MARTIN STREET MILLBURY, MA 01527		
SHEET TITLE: TITLE SHEET		
SHEET NUMBER: T-1.0		

GENERAL DEMOLITION NOTES

A. CONTRACTOR SHALL VISUALLY INSPECT THE SITE TO DETERMINE THE CONDITION OF EXISTING CONSTRUCTION AND FAMILIARIZE HIMSELF/HERSELF WITH THE PROPOSED WORK.

- ALL WORK SHALL COMPLY WITH MUNICIPAL, STATE AND FEDERAL RULES AND REGULATIONS, LAWS AND ORDINANCES OF ALL THE AUTHORITIES HAVING JURISDICTION.
- DISCONNECTION OF UTILITIES REQUIRED BY THE WORK SHALL BE PERFORMED BY QUALIFIED PERSONNEL.
- ALL WORK IS TO COMPLY WITH APPLICABLE PROVISIONS OF ANSI CODE FOR BUILDING CONSTRUCTION: ANSI 10.6, SAFETY OF DEMOLITION.
- UTILITY LINES TO BE ABANDONED SHALL BE DISCONNECTED, REMOVE AS REQUIRED, AND/OR CAPPED OFF IN ACCORDANCE WITH APPLICABLE CODE AND REGULATIONS.
- REMOVE ALL AREAS SHOWN DASHED (TYPICAL) ON DEMOLITION PLANS.
- CONTRACTOR TO PROTECT ALL EXISTING AREAS BEYOND LIMIT OF WORK OR ITEMS THAT ARE TO REMAIN, AS REQUIRED.
- COORDINATE DEMOLITION WORK WITH PROPOSED NEW WORK SHOWN ON PROJECT DRAWINGS.
- THE GENERAL CONTRACTOR SHALL NOT INTERFERE WITH NORMAL ACTIVITY IN OR ADJACENT TO THE BUILDING, AND IS SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PREVENT EXCESSIVE DUST AND NOISE. ACCESS AND EGRESS TO AND FROM THE EXISTING BUILDING AS WELL AS FIRE PROTECTION IS TO BE MAINTAINED AT ALL TIMES THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
- PROVIDE ALL TEMPORARY SHORING BRACING, FRAMING, AND PROTECTION OF EXISTING WORK TO REMAIN BEFORE PROCEEDING WITH DEMOLITION AND DURING ALTERATION WORK.
- PERFORM DEMOLITION WORK AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY THAT ALL REMOVED COMPONENTS ARE NOT STRUCTURAL. NOTIFY ARCHITECT BEFORE REMOVING ANY STRUCTURAL MEMBERS. NOTIFY ARCHITECT IN CASE OF DISCREPANCY BEFORE PROCEEDING WITH WORK.
- IF DURING DEMOLITION CONDITIONS ARE REVEALED THAT MAY JEOPARDIZE THE INTEGRITY OF THE STRUCTURE OR PRECLUDE THE DESIGN INTENT, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY.
- DEMOLITION PLANS ASSUME THAT PORTIONS OF EXISTING WIRING, PLUMBING, EQUIPMENT, DUCTWORK, ETC., IN AREAS OF NEW WORK WILL BE REQUIRED TO BE REMOVED/RELOCATED TO MEET THE REQUIRED DESIGN PARAMETERS OF THE NEW WORK. PRIOR TO COMMENCING DEMOLITION/RELOCATION, CONTRACTOR SHALL VERIFY SPECIFIC CONDITIONS IN THE FIELD AND COORDINATE WITH GC AND ARCHITECT. (SEE M.E.P. DEMOLITION NOTES.)
- BEFORE DISPOSING OF ANY REMOVED ITEMS, CONSULT WITH OWNER AND VERIFY POSSIBLE RE-USE, SALVAGE, OR DISPOSAL OF ANY EXISTING ITEMS AND EQUIPMENT, INCLUDING BUT NOT LIMITED TO, PLUMBING, FIXTURES, EQUIPMENT, LIGHT FIXTURES AND DOORS, ETC.

B. CUTTING AND PATCHING

- GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL SUBCONTRACTORS, DEMOLITION CUTTING AND PATCHING
- ALL PARTITIONS, FLOORS, CEILINGS OR ITEMS TO BE REMOVED SHALL BE CLEANLY CUT BACK TO THE LIMITS SHOWN ON THE PLANS, SECTIONS, AND DETAILS OR AS DIRECTED BY THE ARCHITECT.
- ALL EXISTING FLOORS, WALLS, AND CEILINGS AFFECTED BY NEW WALL LOCATIONS ARE TO BE PATCHED AND REPAIRED AS NECESSARY TO PROVIDE A SMOOTH UN-NOTICEABLE TRANSITION OF NEW AND EXISTING MATERIALS AND SURFACES.
- PROVIDE CUTTING AND PATCHING AS REQUIRED FOR ALL DEMOLITION AND ALTERATION WORK. CUTTING AND PATCHING INCLUDE CUTTING INTO OR THROUGH TO PROVIDE FOR THE INSTALLATION OR PERFORMANCE OF OTHER WORK, AND THE SUBSEQUENT FITTING AND PATCHING REQUIRED TO RESTORE THE CUT SURFACES TO THEIR ORIGINAL CONDITION.
- REMOVE EXISTING INTERIOR FINISHES AND MATERIALS AS REQUIRED TO ACCOMMODATE NEW WORK. ALL ITEMS ARE TO BE REMOVED IN A MANNER SO AS TO NOT DAMAGE THE EXISTING MATERIALS OR FINISHES THAT ARE TO REMAIN OR BE REINSTALLED.
- PERFORM DEMOLITION WORK CAREFULLY. REMOVE MASONRY, STEEL, CONCRETE, WALLS AND OTHER STRUCTURAL ELEMENTS IN SMALL SECTIONS. REMOVE THESE MATERIALS TO A CLEANLY CUT, STRAIGHT LINE, ACCURATELY ESTABLISHED.
- REMOVE FROM THE SITE AND DISPOSE OF LEGALLY, ALL EXISTING MATERIALS, DEMOLITION DEBRIS, TRASH, RUBBISH AND ITEMS THAT WILL NOT BE USED IN THE NEW WORK OR WILL NOT BE REUSED BY THE OWNER. STORAGE OF DEBRIS WILL NOT BE PERMITTED. ALL DEBRIS TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
- COORDINATE REMOVAL OF ANY RATED ASSEMBLIES WITH LOCAL OFFICIALS BEFORE COMMENCING WORK.

C. M.E.P. DEMOLITION NOTES

- SEE ELECTRICAL, HVAC, PLUMBING AND FIRE PROTECTION DRAWINGS FOR LOCATION OF NEW UTILITIES AND DEMOLITION OF EXISTING WORK NOT SHOWN ON THESE PLANS. GC TO COORDINATE ALL WORK WITH SUBCONTRACTORS.
- WHERE EXISTING ELECTRICAL DEVICES OCCUR IN PARTITIONS INDICATED TO BE REMOVED, THE WIRING SHALL BE REMOVED. ALL ELECTRICAL LINES BEING DISCONNECTED SHALL BE ADEQUATELY TRACED AND RECONNECTED AS REQUIRED TO ENSURE PROPER FUNCTION FOR THE ADJACENT AREAS AND TO ENSURE PROPER FUNCTION OF THE EXISTING BUILDING EQUIPMENT OR SYSTEM TO REMAIN. ELECTRICAL CONTRACTOR TO VERIFY ALL ELECTRICAL SYSTEMS PRIOR TO THE COMMENCEMENT OF WORK.
- WHERE EXISTING PLUMBING LINES ARE TO BE REWORKED OR REMOVED, ALL PLUMBING LINES BEING DISCONNECTED SHALL BE ADEQUATELY TRACED AND RECONNECTED AS REQUIRED TO ENSURE PROPER FUNCTION FOR THE ADJACENT AREAS AND TO ENSURE PROPER FUNCTION OF THE EXISTING BUILDING EQUIPMENT TO REMAIN IN PLACE.
- WHERE EXISTING HVAC LINES, DUCTWORK, ETC., ARE TO BE REWORKED, ALL LINES AND EQUIPMENT BEING DISCONNECTED SHOULD BE ADEQUATELY TRACED AND RECONNECTED AS REQUIRED TO ENSURE PROPER FUNCTION FOR THE ADJACENT AREAS AND TO ENSURE PROPER FUNCTION TO THE EXISTING BUILDING EQUIPMENT OR SYSTEMS TO REMAIN.
- COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF ALL NEW PENETRATIONS THRU ROOF, FLOORS, WALLS, AND CEILINGS.

D. CLEANING

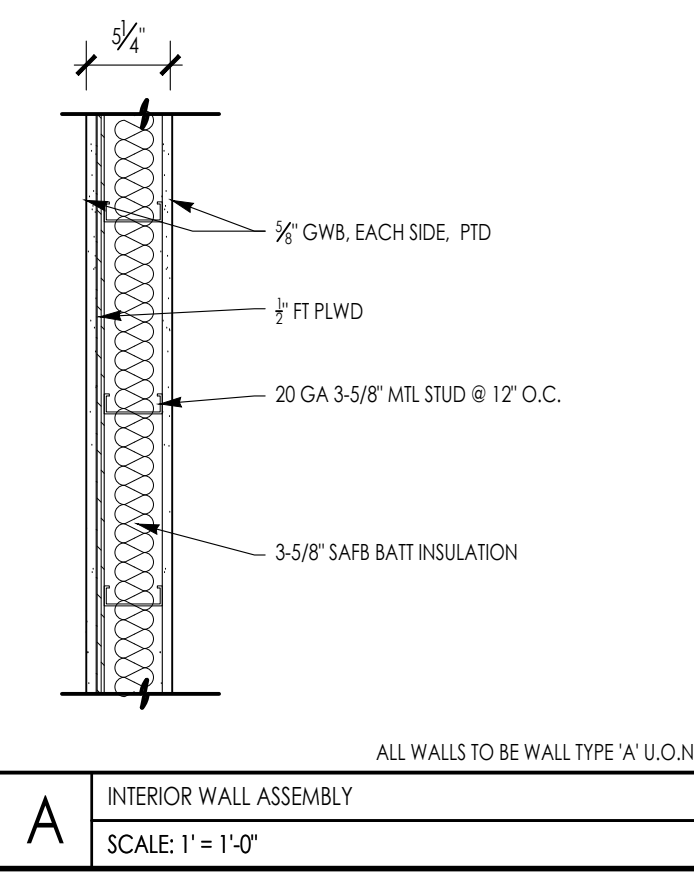
- CONTRACTOR IS FULLY RESPONSIBLE FOR THE CLEANING AND PREPARING OF ALL FLOOR, WALL AND CEILING SURFACES FOR THE INSTALLATION OF NEW MATERIALS AS SCHEDULED, UTILITIES, HVAC AND ELECT. SYSTEMS EQUIPMENT, ETC. AFTER DEMO CLEAN-UP.

OTHER: REMINDERS/SPECIFIC TO INDIVIDUAL PROJECTS

- EXISTING LARGE FLOOR OPENINGS TO BE FILLED ARE INDICATED. SMALLER PIPE HOLES, ETC. TO BE FILLED ARE NOT INDICATED ON THE DRAWINGS. REFER TO DETAILS FOR REQUIREMENTS FOR FILLING SAID OPENINGS.
- ALL EXISTING COLUMNS TO REMAIN UNLESS NOTED.
- ALL EXPOSED UNUSED PIPING AND CONDUITS SHALL BE REMOVED BY THE GENERAL CONTRACTOR. SEE SPECIFICATIONS FOR CAPPING.

GENERAL CONSTRUCTION NOTES

- ALL WORK IS TO BE PERFORMED IN PROFESSIONAL AND WORKMANLIKE MANNER, IN ACCORDANCE WITH ALL APPLICABLE FEDERAL & STATE CODES, INCLUDING THE INTERNATIONAL BUILDING CODE (IBC), THESE INCLUDE, BUT ARE NOT LIMITED TO, THE INTERNATIONAL EXISTING BUILDING CODE (IEBC), MASS STATE BUILDING CODE, THE AMERICAN NATIONAL STANDARD (ANSI), THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC), THE NATIONAL ELECTRIC CODE (NEC), THE INTERNATIONAL PLUMBING CODE (IPC), THE INTERNATIONAL MECHANICAL CODE (IMC), AND THE NATIONAL FIRE PROTECTION STANDARDS, AS WELL AS ALL LOCAL REGULATIONS GOVERNING THE PROJECT.
- CONTRACTOR TO VISIT SITE AND TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD, AND REPORT ALL DISCREPANCIES TO ARCHITECT, PRIOR TO PROCEEDING WITH WORK.
- ALL MATERIALS USED ON THIS PROJECT SHALL BE IN COMPLIANCE WITH THE APPLICABLE INTERNATIONAL BUILDING CODE.
- THE CONTRACTOR SHALL MAINTAIN COMPLETE AND UP-TO-DATE DRAWINGS AT THE JOB SITE, AND SHALL SUBMIT ACCURATE AS-BUILT DRAWINGS TO ARCHITECT AND OWNER AT END OF PROJECT.
- THE INTENTION OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND OTHER ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
- BY EXECUTING THE CONTRACT, THE CONTRACTOR REPRESENTS THAT THEY HAVE VISITED THE SITE AND HAVE FAMILIARIZED THEMSELVES WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
- THE ARCHITECT WILL HAVE AUTHORITY TO REJECT WORK WHICH DOES NOT CONFORM TO THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THEIR BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, & SHORING, AND FOR COORDINATING THE WORK OF ALL SUB-CONTRACTORS.
- EACH CONTRACTOR SHALL PERFORM ALL REQUIRED CUTTING AND PATCHING FOR THEIR OWN TRADE, UNLESS OTHERWISE NOTED.
- DRAWINGS SHALL NOT BE SCALED TO OBTAIN DIMENSIONS.
- CONTRACTOR SHALL PROPERLY PROTECT AND MAKE SAFE WORK PREMISES.
- THE CONTRACTOR SHALL KEEP THE WORKSITE CLEAN AND TIDY, AND AT ALL TIMES SHALL KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR TRASH CAUSED BY THEIR OPERATIONS.
- ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES AND SHALL MAINTAIN REQUIRED EMERGENCY EGRESS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND THE ARCHITECT, AND THEIR AGENTS AND EMPLOYEES, FROM AND AGAINST ANY CLAIMS, DAMAGES, LOSSES AND EXPENSES INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING FROM THE PERFORMANCES OF THE WORK.
- THE CONTRACTOR SHALL PAY ALL FEES AND SECURE PERMITS FROM ALL AGENCIES HAVING JURISDICTION AND AT COMPLETION SHALL SEE THAT THE PROJECT IS SIGNED OFF BY THE APPROPRIATE AUTHORITY HAVING JURISDICTION.
- WEATHER PROTECTION: THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION AGAINST THE RAIN, WIND, STORM, FROST, OR HEAT SO AS TO MAINTAIN ALL WORK MATERIALS, APPARATUS, AND FIXTURES FROM INJURY OR DAMAGE.
- THE CONTRACTOR SHALL PROTECT ALL AREAS OUTSIDE THE CONTRACT LIMITS AND RESTORE ALL SUCH PROPERTY TO ITS CONDITION PRIOR TO THE START OF THE WORK.
- DAMAGE: ALL WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL MATERIALS AND WORKMANSHIP UNTIL THE DATE OF OWNER'S ACCEPTANCE AND SHALL REPLACE ANY DEFECTIVE WORK WITHIN THAT PERIOD WITHOUT EXPENSES TO THE OWNER AND PAY FOR ALL DAMAGES TO OTHER PARTS OF THE BUILDING CAUSED BY REPAIR OF THEIR WORK.
- ALL FINISHES SHALL COMPLY WITH THE LIMITS FOR FIRE RESISTANCE/FLAMMABILITY AS SPECIFIED IN THE APPLICABLE INTERNATIONAL BUILDING CODE.
- ALL DEMOLITION AND RELOCATING OF EXISTING MEP SYSTEMS EFFECTING NEW PLUMBING, HVAC, AND ELECTRICAL SYSTEMS SHALL BE COORDINATED WITH RESPECTIVE SUBCONTRACTORS. RELOCATE/REWORK ALL ACTIVE MECHANICAL AND ELECTRICAL LINES WHERE REQUIRED DUE TO REMOVALS AND NEW LAYOUT. MODIFICATIONS FROM THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE COMMENCING WORK.
- CONTRACTORS SHALL COORDINATE WITH PROPERTY MANAGER AS REQUIRED WHEN ITEMS OF NEW PLUMBING WORK REQUIRE ACCESS TO ADJACENT COMMON AREAS, AND TENANT SPACES OUTSIDE AREA OF WORK. REPLACE AND RESTORE FINISHES TO MATCH AFTER COMPLETION OF WORK.
- PROVIDE ALL BLOCKING REQUIRED TO INSTALL MILLWORK, EQUIPMENT, CASEWORK, GRAB BARS, RAILINGS, ETC. TYPE AND LOCATION SHALL BE SUBJECT TO REVIEW BY ARCHITECT.
- FOAM IN PLACE INSULATION FOR SMALL GAPS AND VOIDS.
- CAULK ALL JOINTS OF DISSIMILAR MATERIALS.
- PLAN DIMENSIONS ARE TO FACE OF PARTITION AT INTERIOR AND FACE OF FOUNDATION AT EXTERIOR, UNLESS OTHERWISE NOTED.
- REFER TO OWNERS ENVIRONMENTAL REPORT REGARDING CONTAMINANTS AND ASBESTOS ON THE PROJECT SITE/BUILDING.



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ARCHITECT'S STAMP:

ENGINEER:

ENGINEER'S STAMP:

GENERAL INFORMATION:

<input type="checkbox"/>	SCHEMATIC	05.01.2022
<input type="checkbox"/>	DESIGN DEVELOPMENT	11.14.2022
<input type="checkbox"/>	BID	02.06.2023
<input type="checkbox"/>	PERMIT	
<input type="checkbox"/>	CONSTRUCTION	
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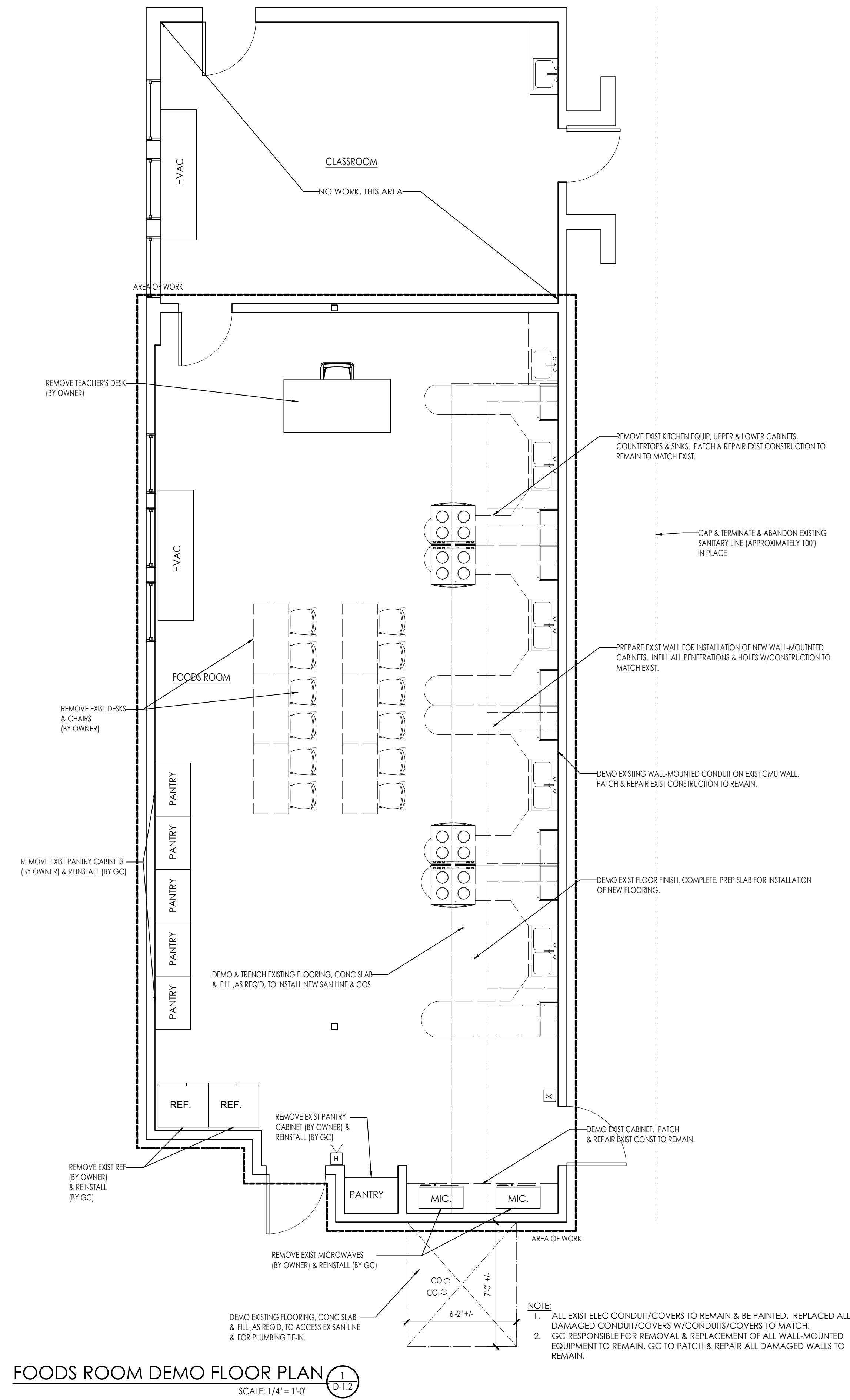
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	REVISION DATE

DATE:	02.06.2023
SCALE:	AS NOTED
PROJECT:	- -
DRAWN:	JGH
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 MILLBURY HIGH SCHOOL
 FOODS PROGRAM ROOM
 12 MARTIN STREET
 MILLBURY, MA 01527

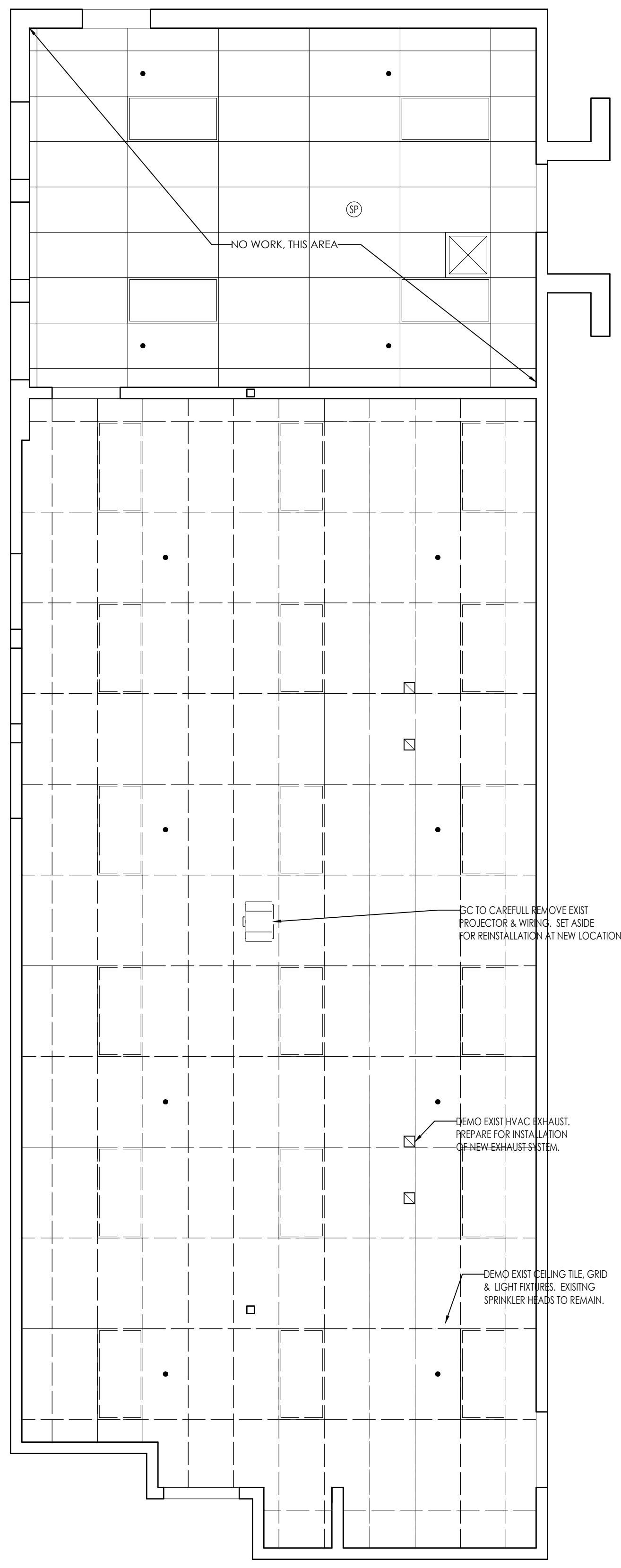
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 GENERAL NOTES

SHEET NUMBER:
T-1.1

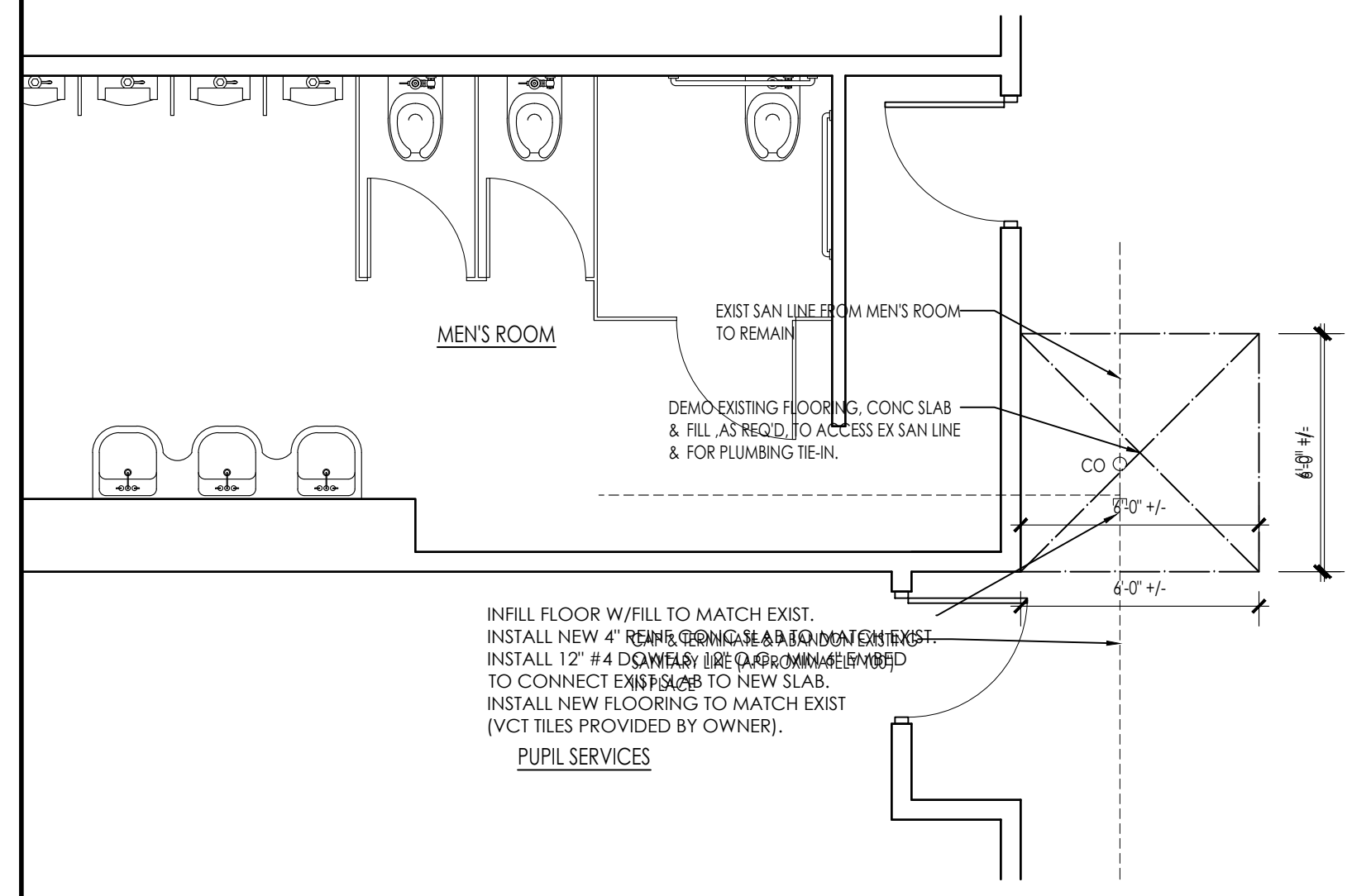


FOODS ROOM DEMO FLOOR PLAN 1
SCALE: 1/4" = 1'-0" D-1.2

NOTE:
1. ALL EXIST ELEC CONDUIT/COVERS TO REMAIN & BE PAINTED. REPLACED ALL DAMAGED CONDUIT/COVERS W/ CONDUITS/COVERS TO MATCH.
2. GC RESPONSIBLE FOR REMOVAL & REPLACEMENT OF ALL WALL-MOUNTED EQUIPMENT TO REMAIN. GC TO PATCH & REPAIR ALL DAMAGED WALLS TO REMAIN.



FOODS ROOM DEMO CEILING PLAN 2
SCALE: 1/4" = 1'-0" D-1.2



TOILET DEMO PLAN 3
SCALE: 1/4" = 1'-0" D-1.2

IN FILL FLOOR W/ FILL TO MATCH EXIST.
INSTALL NEW 4" REBAR CONCRETE SLAB TO MATCH EXIST.
INSTALL 12" #4 DS BARS (SEE DRAWING) TO CONNECT EXIST SLAB TO NEW SLAB.
INSTALL NEW FLOORING TO MATCH EXIST (VCT TILES PROVIDED BY OWNER).
PUPIL SERVICES



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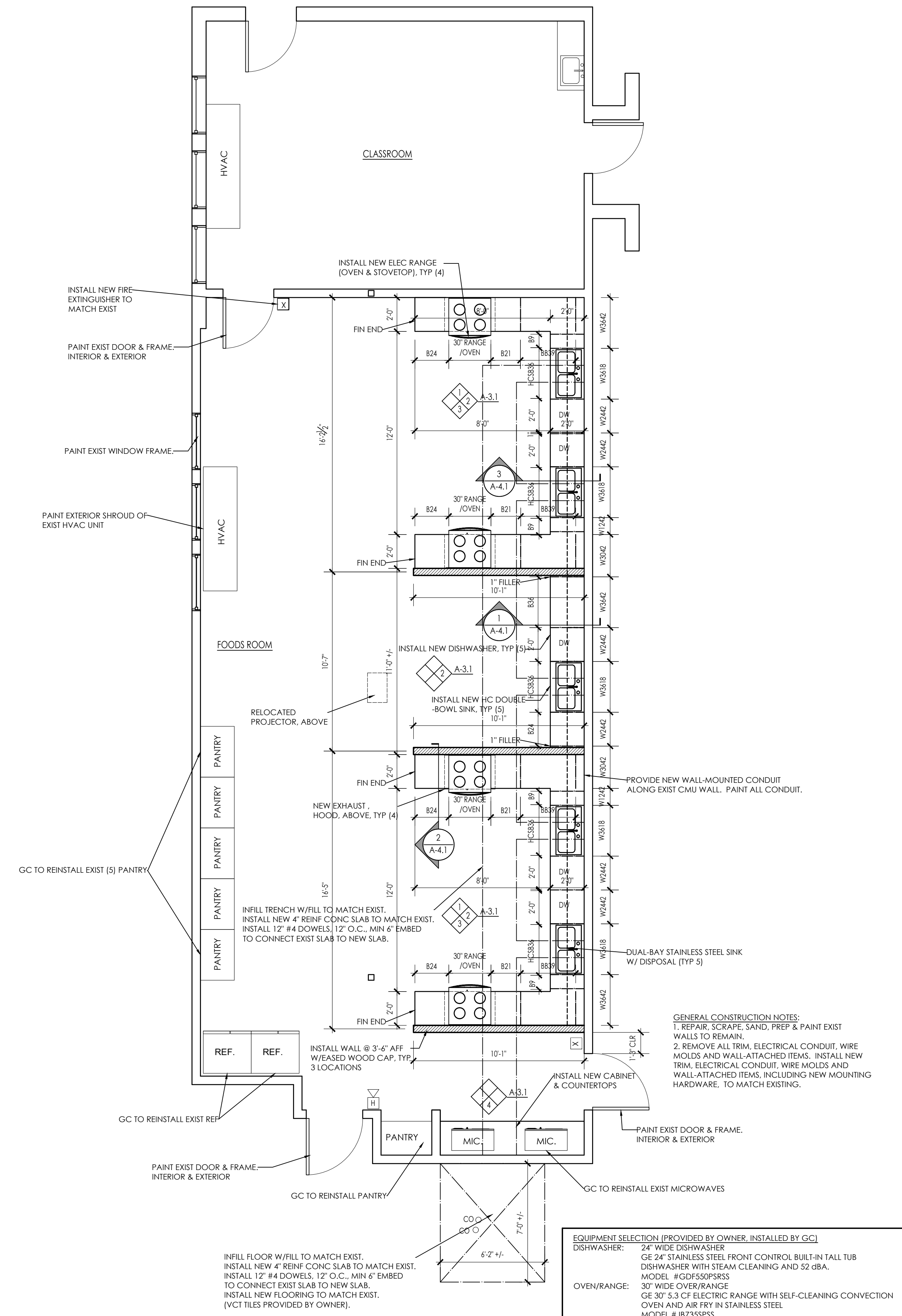
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SHEET TITLE:
FOODS PROGRAM ROOM DEMOLITION
PLANS

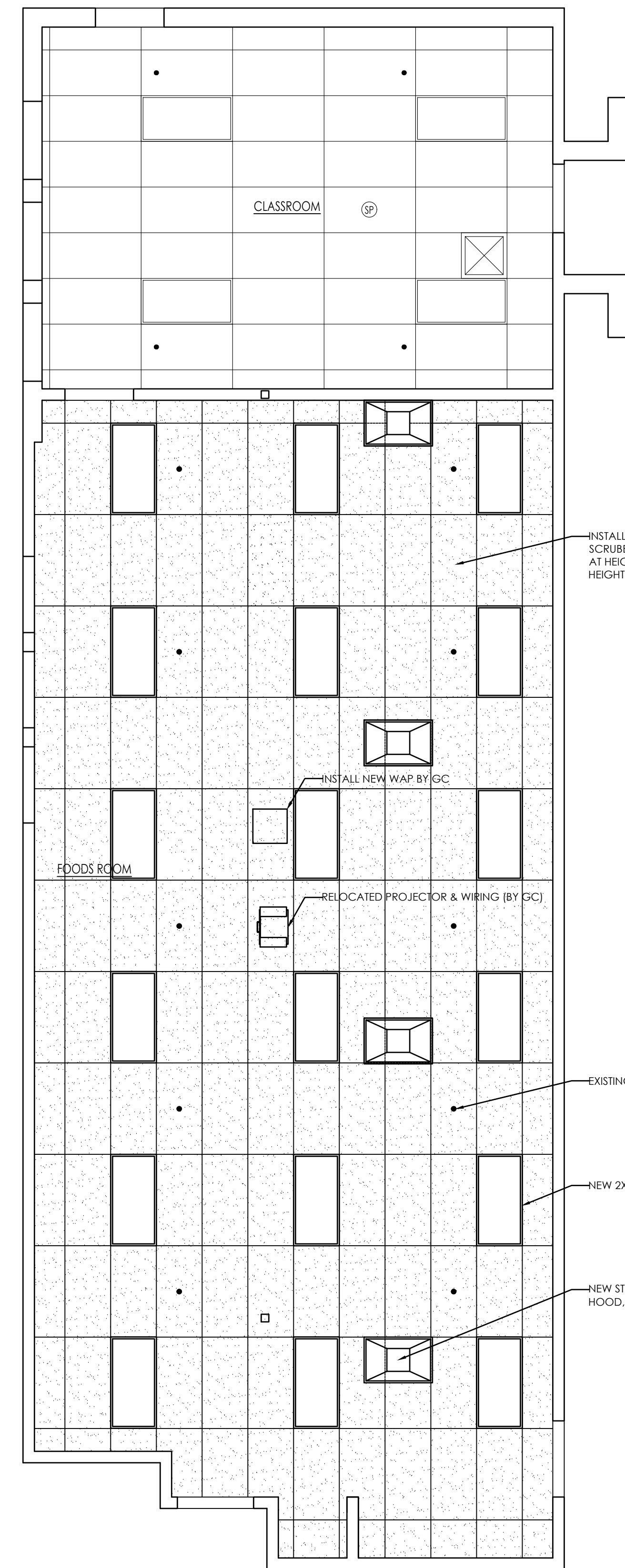
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PROPOSED FOODS ROOM PLAN 1
SCALE: 1/4" = 1'-0" (A-1.2)

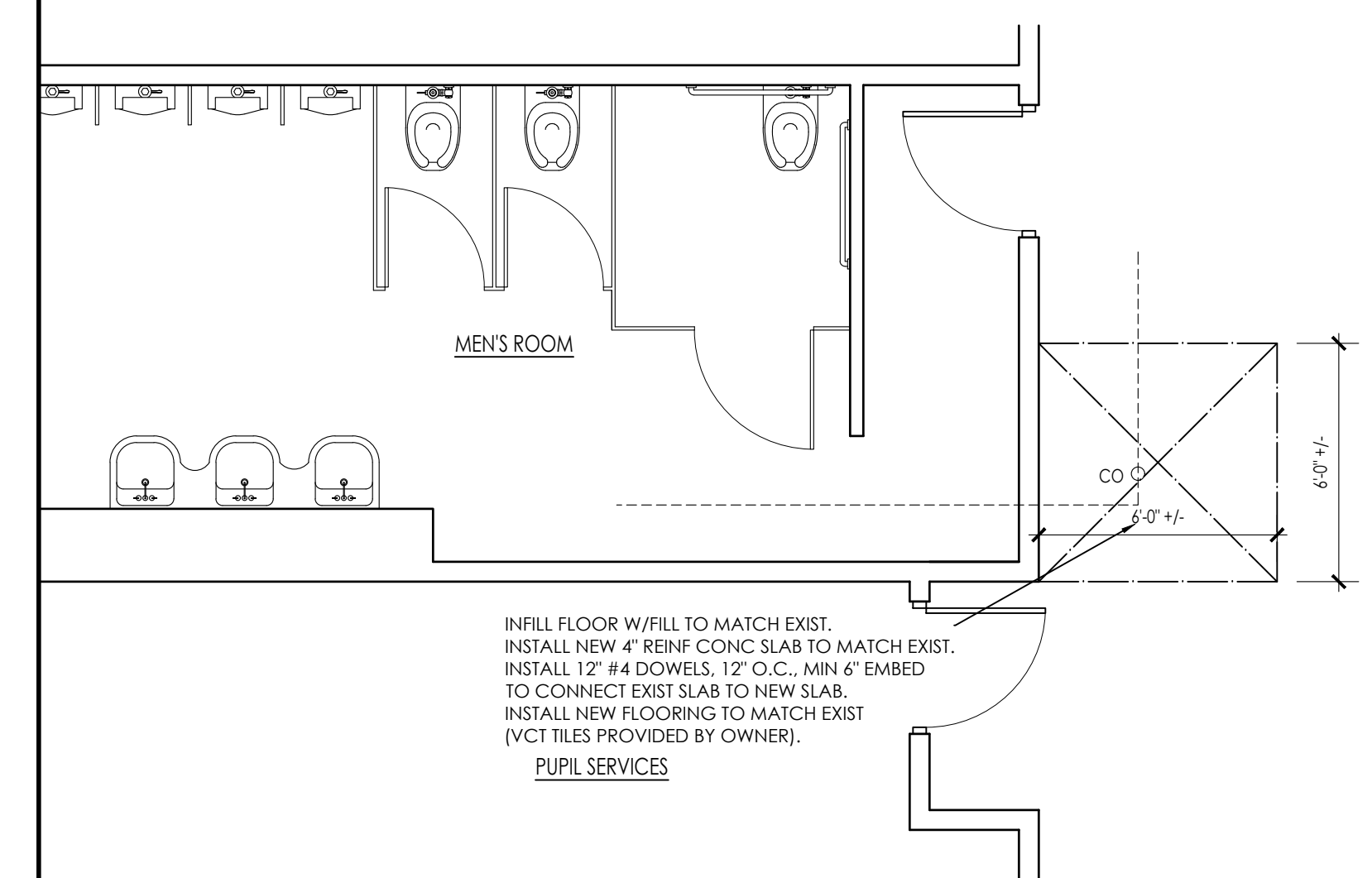
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EQUIPMENT SELECTION (PROVIDED BY OWNER, INSTALLED BY GC)
DISHWASHER: 24" WIDE DISHWASHER
 GE 24" STAINLESS STEEL FRONT CONTROL BUILT-IN TALL TUB DISHWASHER WITH STEAM CLEANING AND 52 dBA.
 MODEL #GDF550PSRS
OVEN/RANGE: 30" WIDE OVEN/RANGE
 GE 30" 5.3 CF ELECTRIC RANGE WITH SELF-CLEANING CONVECTION OVEN AND AIR FRY IN STAINLESS STEEL
 MODEL #J8735SP5
EXHAUST HOOD: 36" WIDE STAINLESS STEEL ISLAND MOUNT EXHAUST HOOD
 ZLINE CONVERTIBLE VENT ISLAND MOUNT RANGE HOOD
 STAINLESS STEEL FINISH W/LINE 1 PC CHIMNEY EXTENSIONS (16" + 36")
 AIRFLOW: 120/240/320/400 CFM
 MODEL #GL2 (ETL LISTED)



PROPOSED FOODS ROOM RCP 2
SCALE: 1/4" = 1'-0" (A-1.2)

TOILET PROPOSED PLAN 3
SCALE: 1/4" = 1'-0" (A-1.2)



ARCHITECT:

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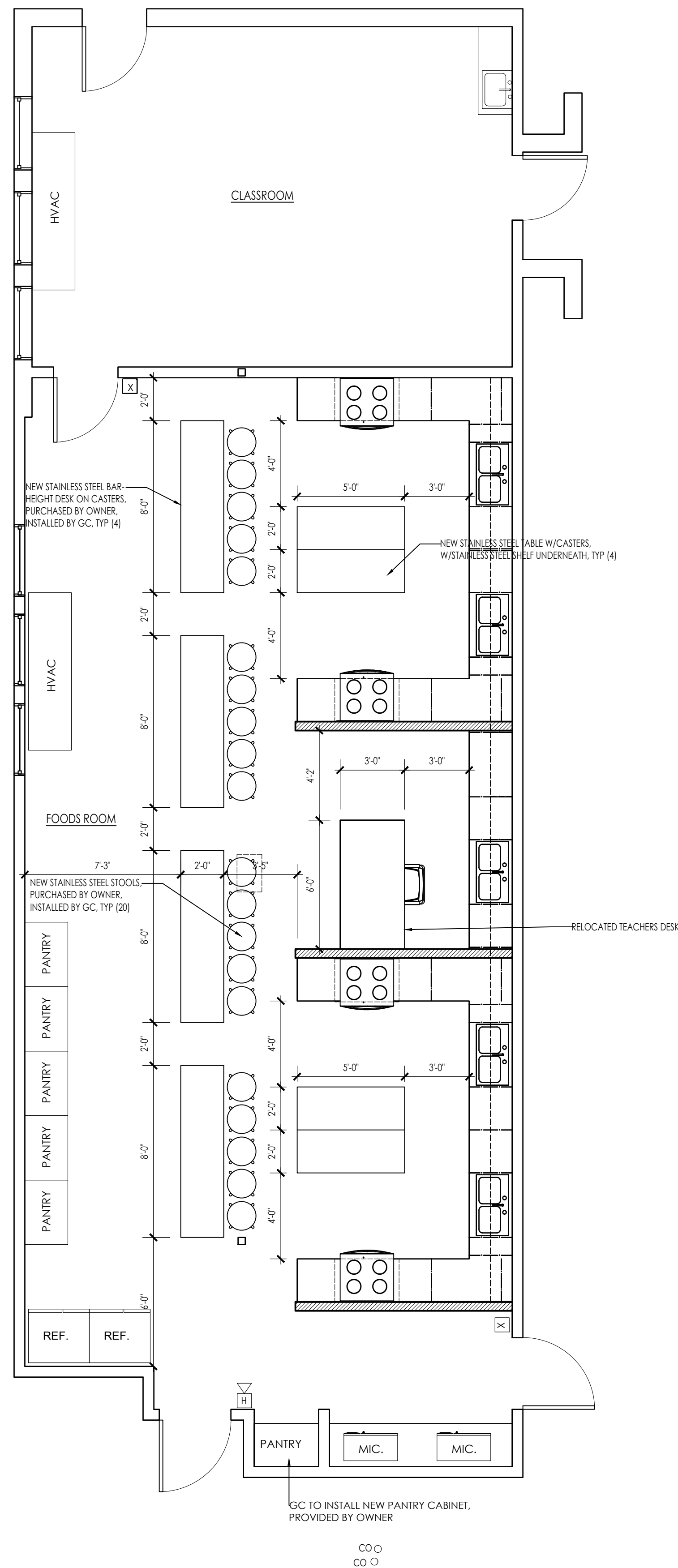
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SCALE:	AS NOTED
PROJECT:	-
DRAWN:	JGH
CHECKED:	JGH

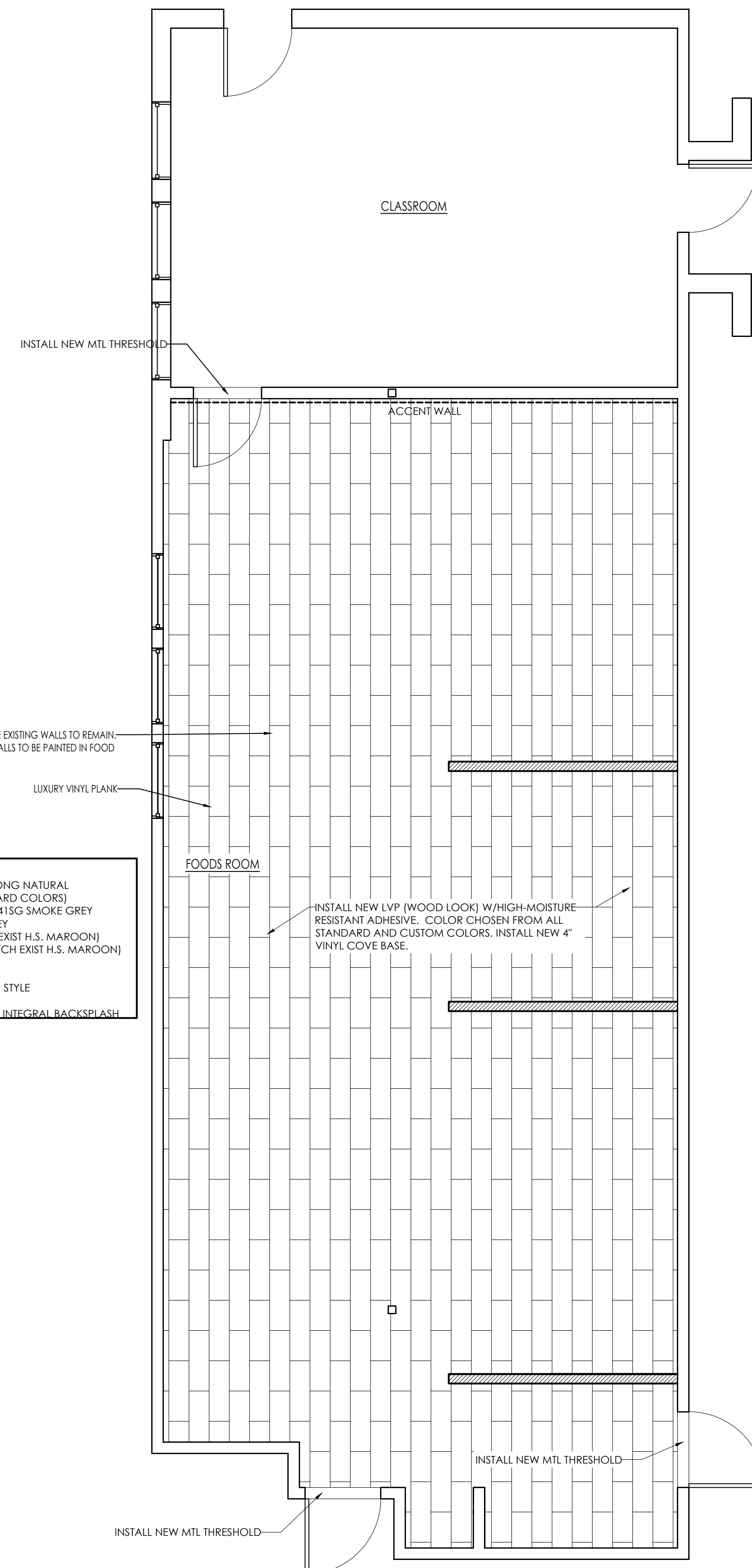
PROJECT TITLE:
 MILLBURY HIGH SCHOOL
 FOODS PROGRAM ROOM
 12 MARTIN STREET
 MILLBURY, MA 01527

SHEET TITLE:
 PROPOSED FOODS PROGRAM ROOM
 PLANS

SHEET NUMBER:
A-1.2



PROPOSED FOODS ROOM FURNITURE PLAN 1
SCALE: 1/4" = 1'-0" A-2.2



FINISH SELECTIONS:
 FLOORING: LUXURY VINYL PLANK - ARMSTRONG NATURAL CREATIONS LUXURY FLOORING (ALL STANDARD COLORS)
 VINYL BASE: ARMSTRONG 4" COVE BASE - R41 SG SMOKE GREY
 WALL COLOR: BEHR PPU18-10 NATURAL GREY
 ACCENT WALL COLOR: MAROON (MATCH EXIST H.S. MAROON)
 WINDOW TRIM: MAROON SEMI-GLOSS (MATCH EXIST H.S. MAROON)
 DOORS: MATCH EXIST COLOR
 DOOR TRIM: SEMI-GLOSS WHITE
 CABINET FACE TYPE: SQUARE INSET, SHAKER STYLE
 CABINET FINISH: STAINED WOOD (GREY)
 COUNTERTOP: SOLID SURFACE (WHITE) W/4" INTEGRAL BACKSLASH







PROPOSED FOODS ROOM FINISH PLAN 2
SCALE: 1/4" = 1'-0" A-2.2

ARCHITECTS STAMP:

ENGINEER:

ENGINEER'S STAMP:

GENERAL INFORMATION:

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	DESIGN DEVELOPMENT	11.14.2022
	BID	02.06.2023
	PERMIT	
	CONSTRUCTION	
	EXISTING CONDITIONS	

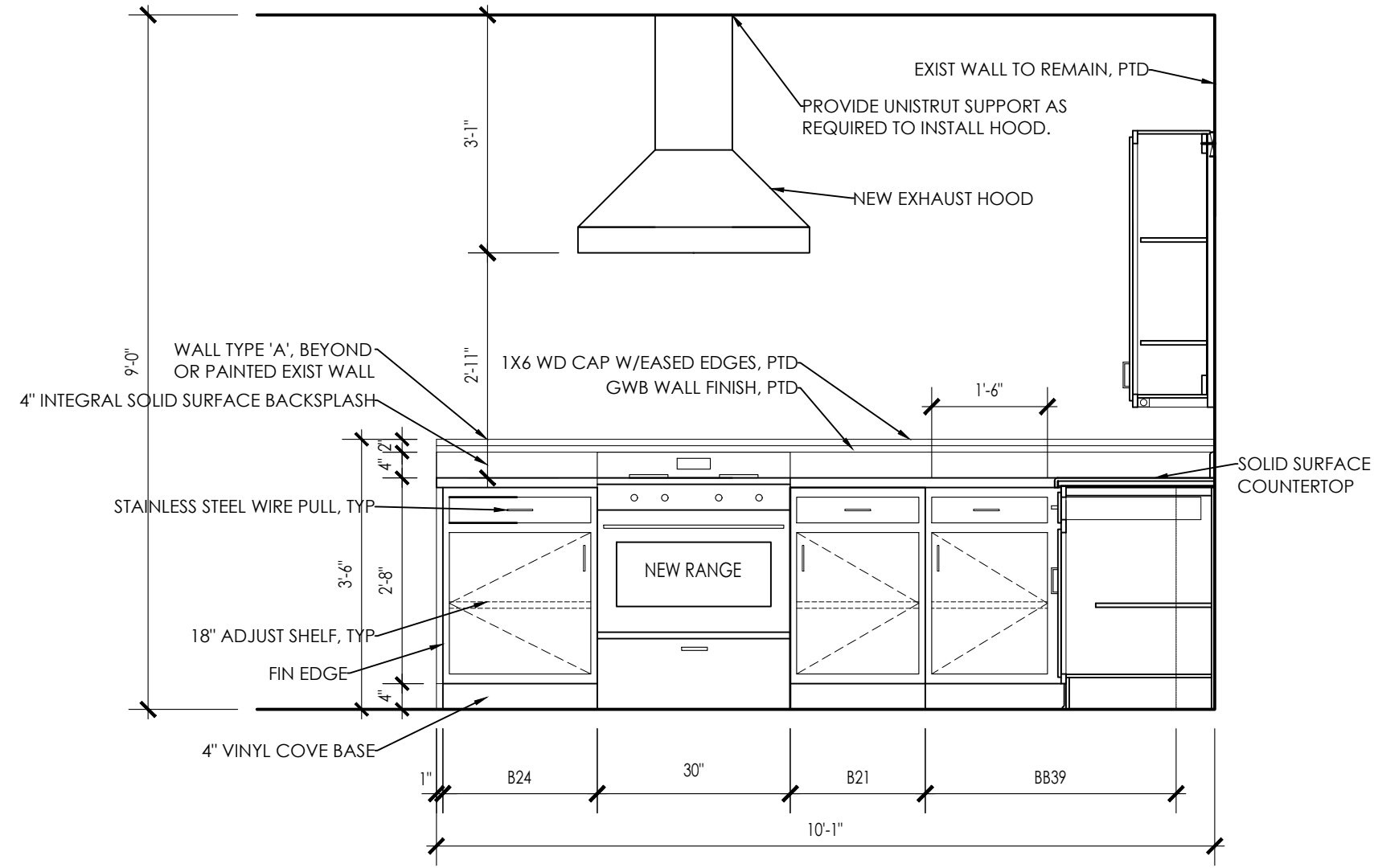
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DATE:	02.06.2023
SCALE:	AS NOTED
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CHECKED:	JGH

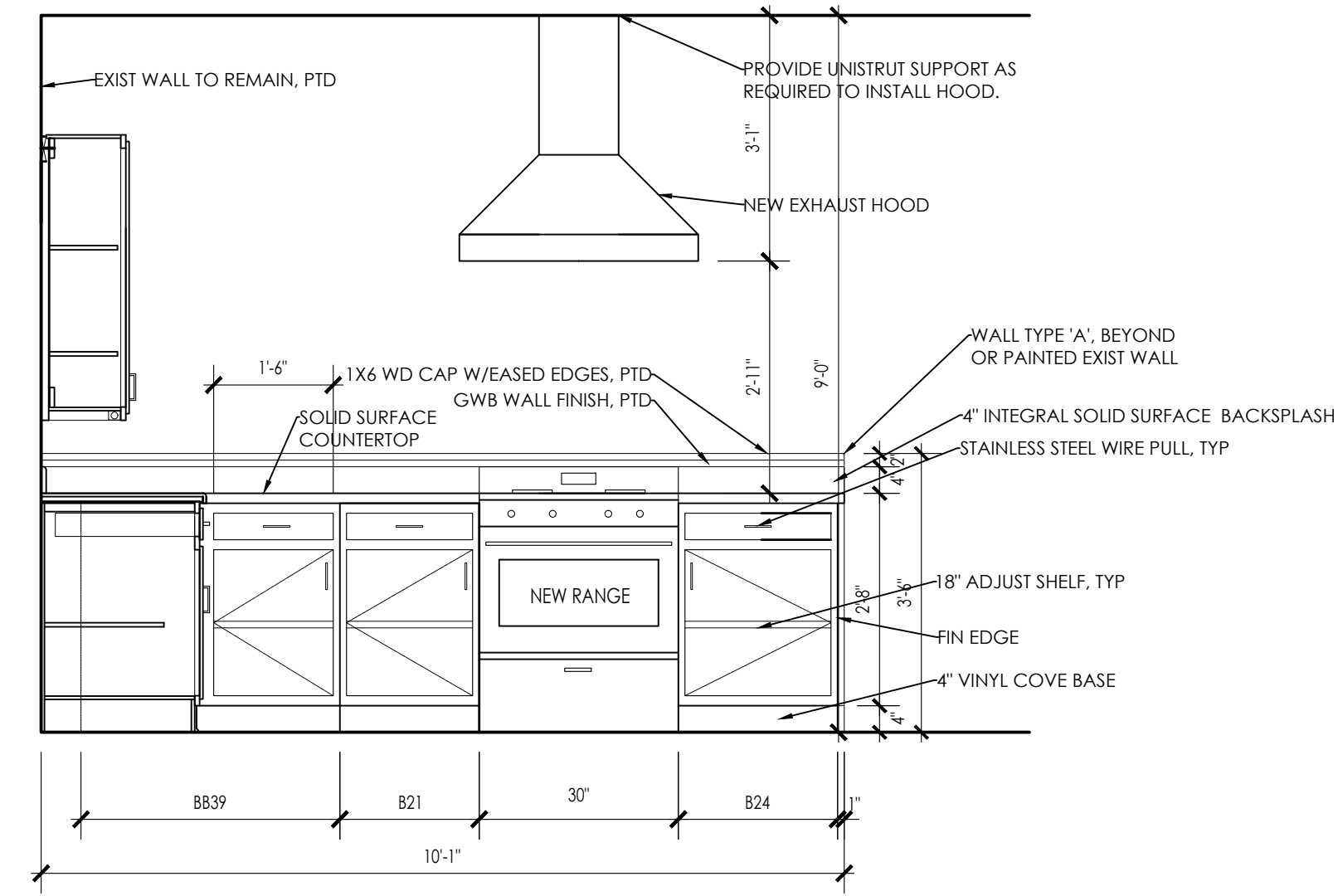
PROJECT TITLE:
 MILLBURY HIGH SCHOOL
 FOODS PROGRAM ROOM
 12 MARTIN STREET
 MILLBURY, MA 01527

SHEET TITLE:
 PROPOSED FOODS PROGRAM ROOM
 FURNITURE & FINISH PLANS

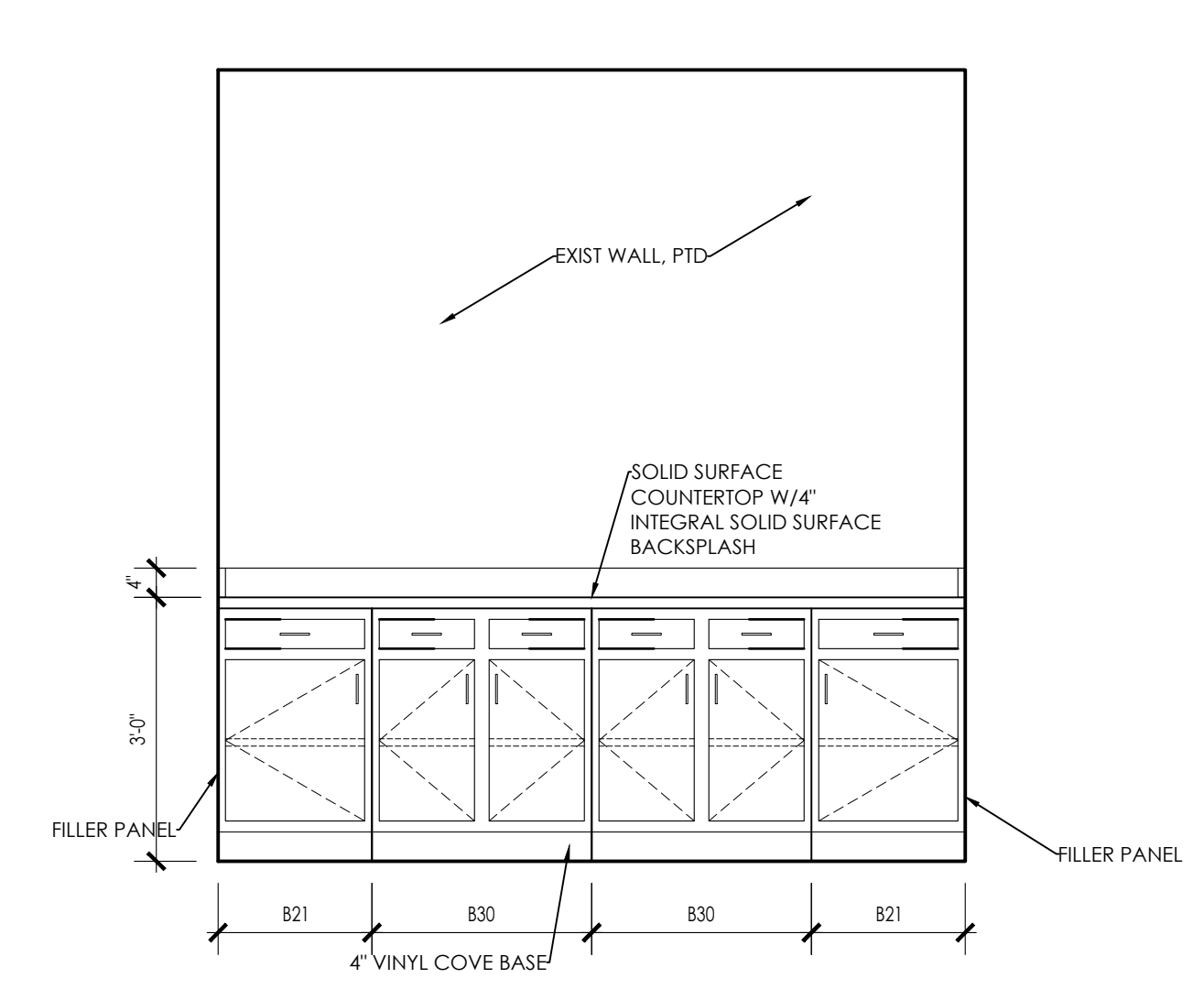
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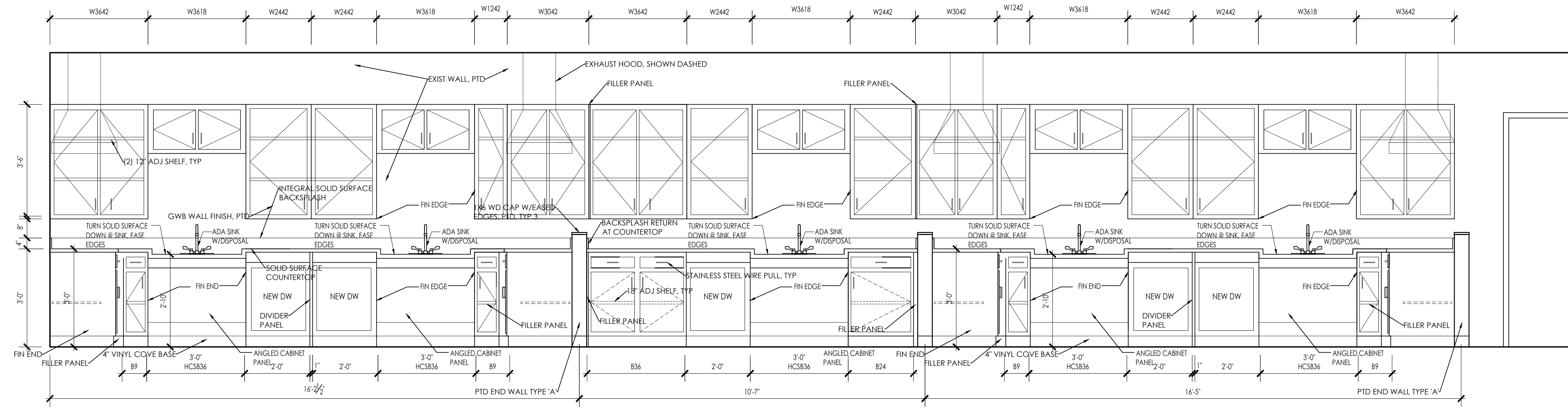
INTERIOR ELEVATION 1
SCALE: 1/2" = 1'-0" (A-4.1)



INTERIOR ELEVATION 3
SCALE: 1/2" = 1'-0" (A-4.1)



INTERIOR ELEVATION 4
SCALE: 1/2" = 1'-0" (A-4.1)



INTERIOR ELEVATION 2
SCALE: 1/2" = 1'-0" (A-4.1)

ARCHITECT:
dha
DIXON SALO ARCHITECTS INCORPORATED
300 MAIN STREET, FIRST FLOOR
MILLBURY, MASSACHUSETTS 01506
(508) 755-0533 (F) 508-752-5368
ADMIN@DIXONSALOARCHITECTS.COM

ARCHITECT'S STAMP:

ENGINEER:

ENGINEER'S STAMP:

GENERAL INFORMATION:

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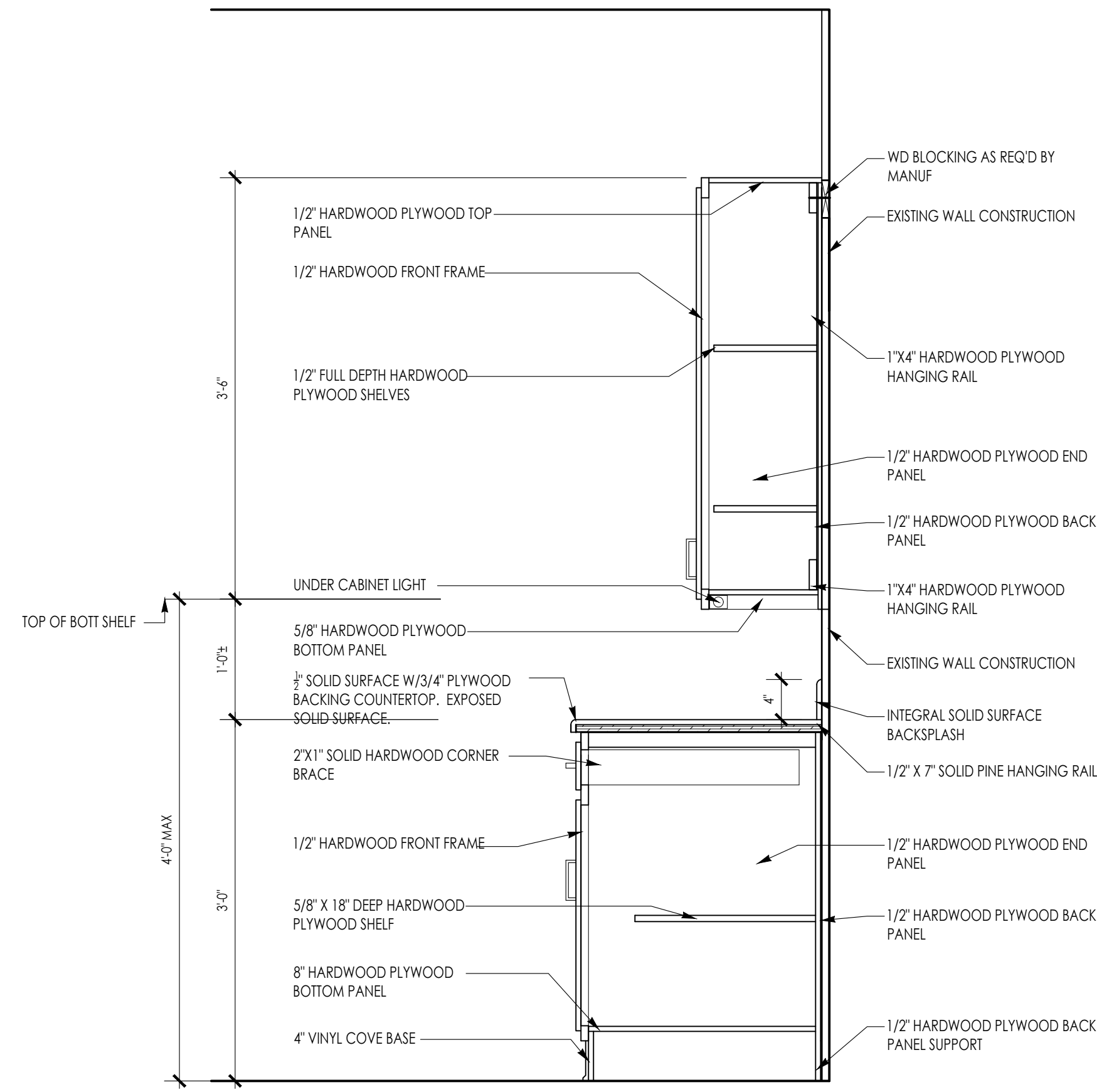
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DRAWN:	JGH
CHECKED:	JGH

PROJECT TITLE:
MILLBURY HIGH SCHOOL
FOODS PROGRAM ROOM
12 MARTIN STREET
MILLBURY, MA 01527

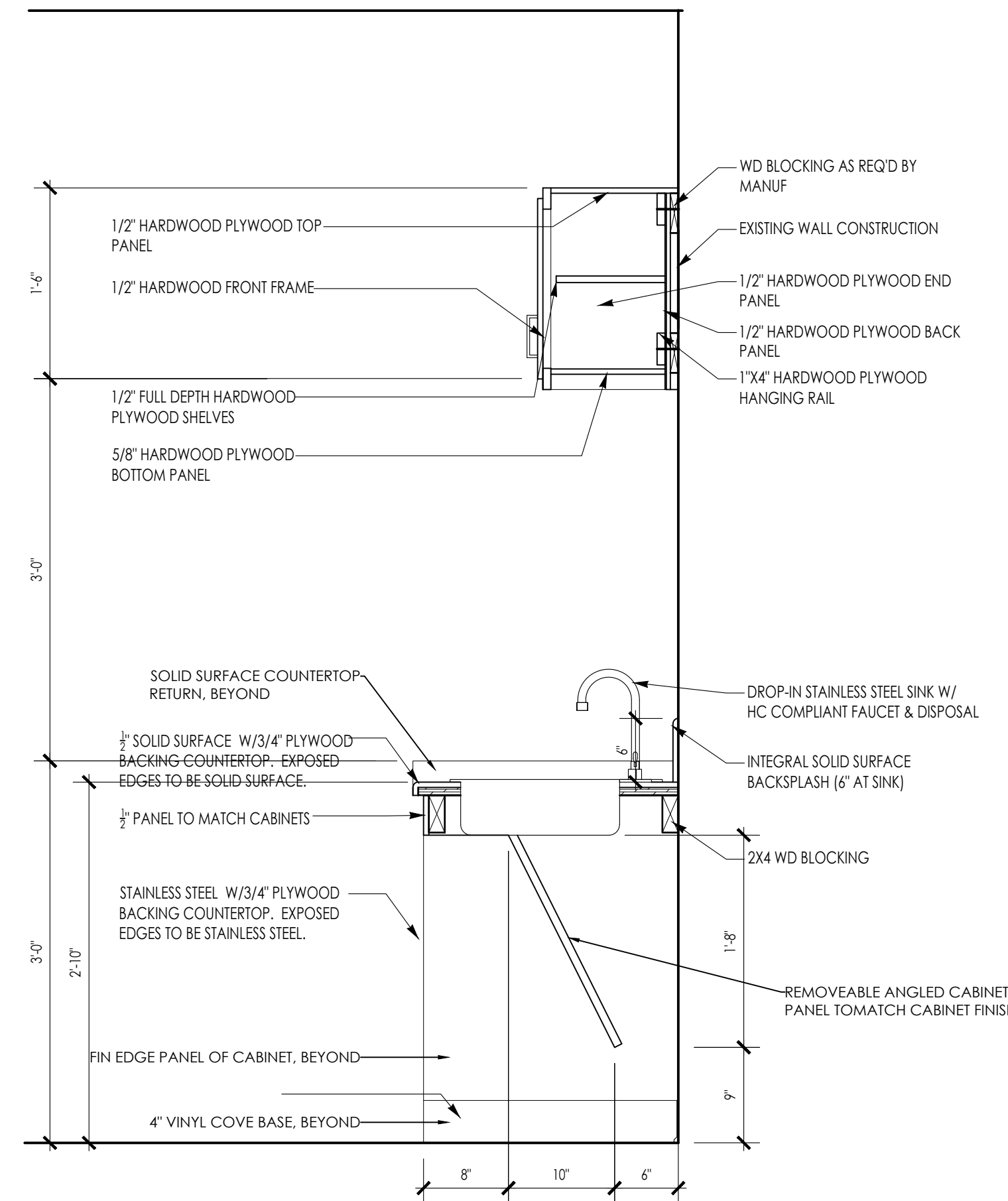
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INTERIOR ELEVATIONS

SHEET NUMBER:

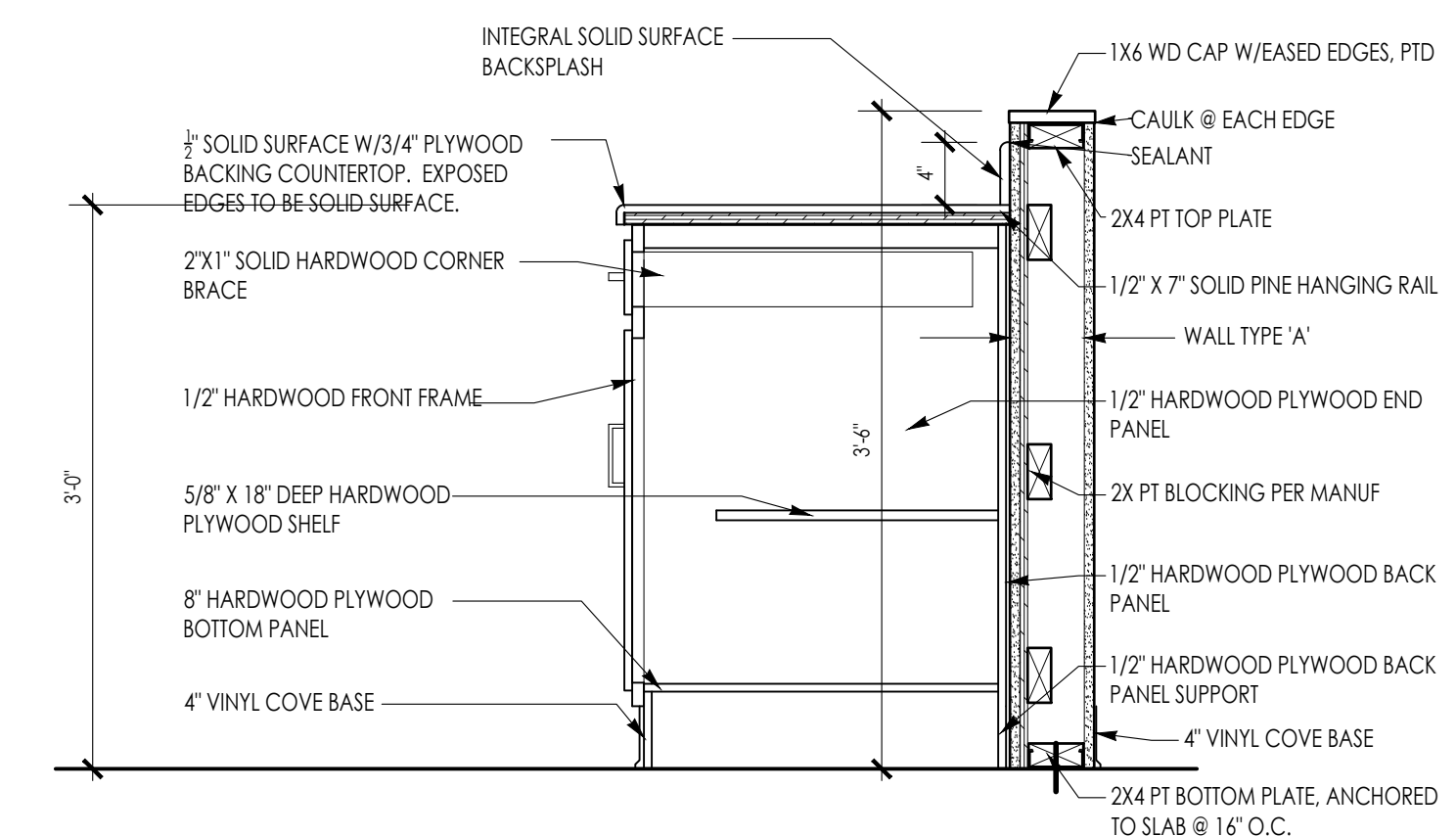
A-3.1



CABINET SECTION 1
SCALE: 1" = 1'-0" (A-4.1)



CABINET SECTION @ HC SINK
SCALE: 1" = 1'-0" (A-4.1)



CABINET SECTION @ HALF-WALL 2
SCALE: 1" = 1'-0" (A-4.1)

ARCHITECT'S STAMP:

ENGINEER:

ENGINEER'S STAMP:

GENERAL INFORMATION:

SCHEMATIC	05.01.2022
DESIGN DEVELOPMENT	11.14.2022
BID	02.06.2023
PERMIT	
CONSTRUCTION	
EXISTING CONDITIONS	

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DATE: 02.06.2023
 SCALE: AS NOTED
 PROJECT: - -
 DRAWN: JGH
 CHECKED: JGH

PROJECT TITLE:
 MILLBURY HIGH SCHOOL
 FOODS PROGRAM ROOM
 12 MARTIN STREET
 MILLBURY, MA 01527

SHEET TITLE:
 TYPICAL DETAILS

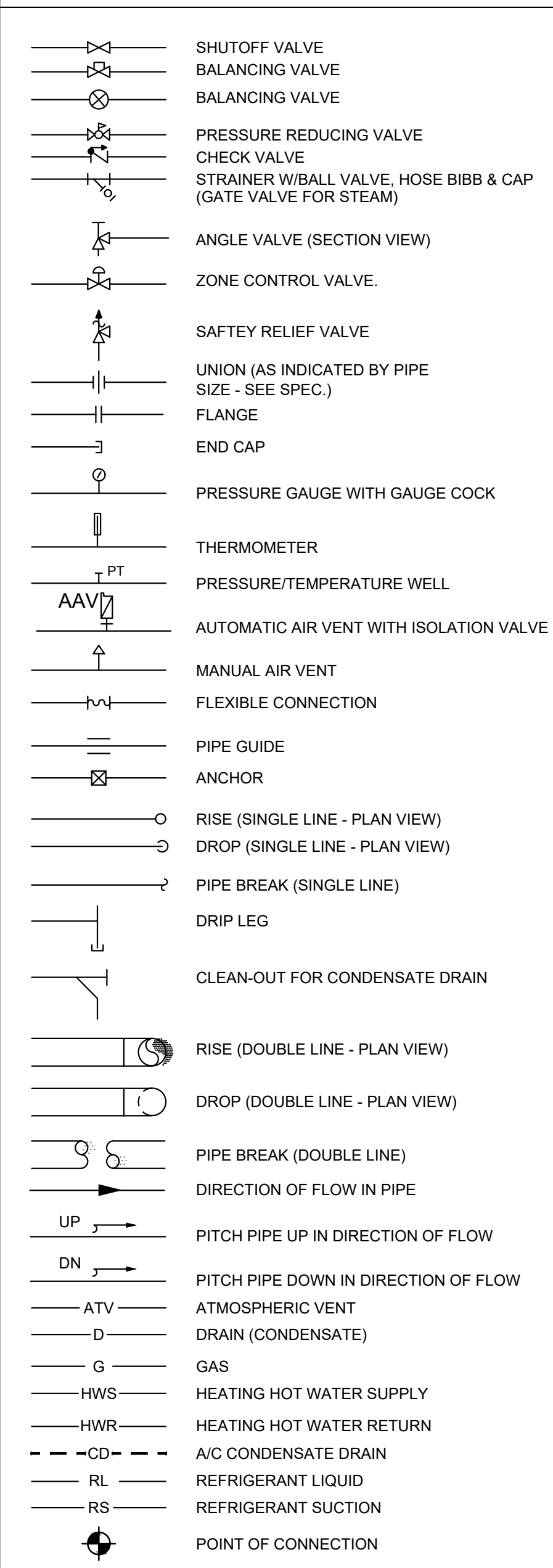
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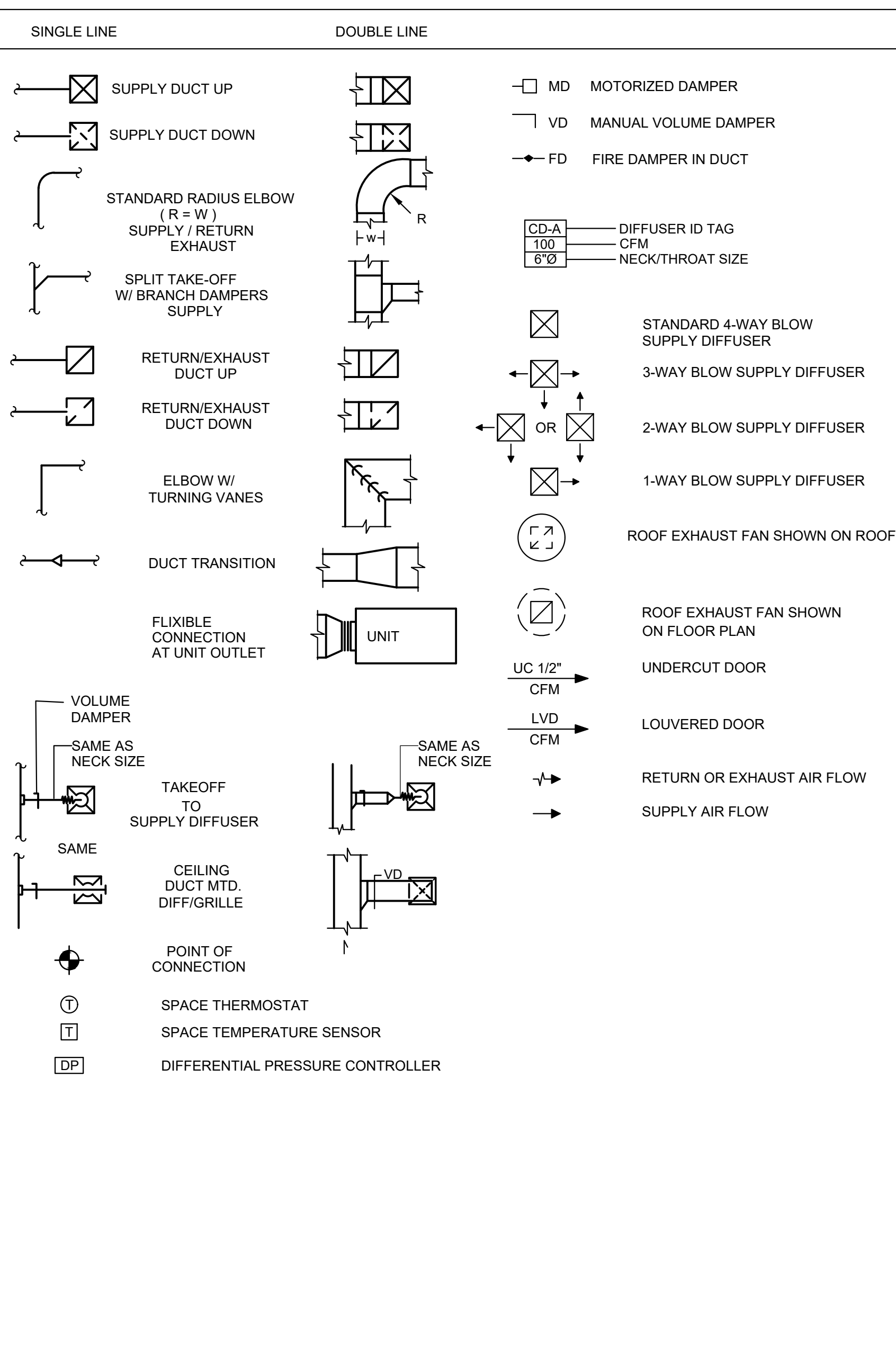
GENERAL ABBREVIATIONS

AC	AIR CONDITIONING UNIT	HZ	HERTZ
AD	ACCESS DOOR	IN	INCHES
AF	AIR FILTER	KW	KILOWATT
AP	ACCESS PANEL		
ATC	AUTOMATIC TEMPERATURE CONTROL	LAT	LEAVING AIR TEMPERATURE
AS	AIR SEPARATOR	LF	LINEAR FEET
AV	AIR VENT	LWT	LEAVING WATER TEMPERATURE
		MBH	THOUSANDS OF BTU'S PER HOUR
BD	BAROMETRIC DAMPER	MD	MOTORIZED DAMPER
BDD	BACKDRAFT DAMPER	MECH	MECHANICAL
BHP	BRAKE HORSEPOWER		
BOD	BOTTOM OF DUCT	N/A	NOT APPLICABLE
BOP	BOTTOM OF PIPE	NC	NORMALLY CLOSED
BTU	BRITISH THERMAL UNITS	NO	NORMALLY OPEN
BV	BALL VALVE	NTS	NOT TO SCALE
CC	COOLING COIL	OA	OUTSIDE AIR
CD	CEILING SUPPLY DIFFUSER	OAT	OUTSIDE AIR TEMPERATURE
CFM	CUBIC FEET PER MINUTE	OB	OPPOSED BLADE DAMPER
CP	CONTROL PANEL	OD	OUTSIDE DIAMETER
CO	CLEAN OUT		
COP	CENTER OF PIPE	PD	PRESSURE DROP
CR	CEILING RETURN DIFFUSER	Ph	PHASE
CTR	CONTRACTOR	R	RETURN
CUH	CABINET UNIT HEATER	RA	RETURN AIR
CU	CONDENSING UNIT	REF	ROOF EXHAUST FAN
CWS	CHILLED WATER SUPPLY	REQD	REQUIRED
CWR	CHILLED WATER RETURN	RG	RETURN GRILLE
		RH	RELATIVE HUMIDITY
DB	DRY BULB	RM	REHEAT COIL
DIA	DIAMETER	RPM	REVOLUTIONS PER MINUTE
DIFF	DIFFUSER	RR	RETURN REGISTER
DN	DOWN	RTU	ROOF TOP UNIT
DX	DIRECT EXPANSION	S	SUPPLY
DWG	DRAWING	SA	SUPPLY AIR
		SAT	SUPPLY AIR TEMPERATURE
E	EXISTING	SqFt	SQUARE FEET
EAT	ENTERING AIR TEMPERATURE	SFD	SMOKE/FIRE DAMPER
EBB	ELEC BASEBOARD RADIATION	SP	STATIC PRESSURE
EFF	EFFICIENCY	SQ	SQUARE
EF	EXHAUST FAN	SR	SUPPLY REGISTER
ELEC	ELECTRICAL	SST	SATURATED CONDENSING TEMPERATURE
ELV	ELEVATION	STL	STEEL
ESP	EXTERNAL STATIC PRESSURE	T	THERMOSTAT
ET	EXPANSION TANK	T.B.D.	TYPICAL
ETR	EXISTING TO REMAIN	TV	WIND TURBINE VENTILATOR
EUH	ELECTRIC UNIT HEATER	UC	UNDERCUT DOOR 1/2" (MIN)
EWH	ELECTRIC WALL HEATER	UH	UNIT HEATER
EWT	ENTERING WATER TEMPERATURE		
EXH	EXHAUST	V	VOLUTS
		VAV	VARIABLE AIR VOLUME
"F	DEGREES FAHRENHEIT	VD	VOLUME DAMPER
FD	FIRE DAMPER	VFD	VARIABLE FREQUENCY DRIVE
FLA	FULL LOAD AMPS	W	WITH
FLEX	FLEXIBLE	WO	WITHOUT
FMS	FLOW MEASURING STATION	WB	WET BULB TEMPERATURE
FPM	FEET PER MINUTE	WG	WATER GAUGE
FTR	FINNED TUBE RADIATION	WH	WATER HEATER
FT	FEET	ZV	ZONE VALVE
GAL	GALLONS		
GALV	GALVANIZED		
GC	GENERAL CONTRACTOR		
GM	GALLONS PER MINUTE		
GP	GATE VAVLE		
HC	HEATING COIL		
HP	HORSEPOWER		
HP	HEAT PUMP		
HRV	HEAT RECOVERY VENTILATOR		
HVAC	HEATING, VENTILATION, & AIR CONDITIONING		
HW	HOT WATER		
HXT	HEAT EXCHANGER		

PIPING LEGEND



AIR DISTRIBUTION LEGEND



HVAC GENERAL NOTES

- GENERAL NOTES, SYMBOLS AND DETAILS ARE APPLICABLE TO ALL DRAWINGS WITHIN DIVISION 23. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS IN ADDITION TO GENERAL NOTES. NOT ALL SYMBOLS SHOWN ARE NECESSARILY APPLICABLE TO THIS PROJECT.
- SCOPE OF WORK SHALL INCLUDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, HOISTING, RIGGING, INSURANCE, REQUIRED PERMITS AND INSPECTIONS, ETC. REQUIRED TO PERFORM THE WORK AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS FOR A COMPLETE INSTALLATION. ALL SHALL BE DONE BY LICENSED WORKMEN IN ACCORDANCE WITH NATIONAL, STATE, AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
- THE DRAWINGS SHOW THE LAYOUT OF THE MECHANICAL SYSTEMS AND INDICATE THE APPROXIMATE LOCATIONS OF DUCTWORK, PIPING, BRANCHES AND ELBOWS, AND EQUIPMENT. THE DRAWINGS ARE DIAGRAMMATIC AND ARE BASED ON VISIBLE OBSERVABLE CONDITIONS. CAREFULLY REVIEW AND STUDY DRAWINGS. IF ANY DISCREPANCIES EXIST, NOTIFY THE ARCHITECT AND ENGINEER BEFORE ADVANCING TO SUCH A POINT THAT ADDITIONAL COSTS WILL BE INCURRED. THE EXACT LOCATION OF ALL COMPONENTS ARE TO BE DETERMINED IN THE FIELD BY THE ACTUAL BUILDING CONDITIONS, EQUIPMENT, DUCTS, PIPES, AND MECHANICAL COMPONENTS INTERFERING WITH OTHER INSTALLATION OR EXISTING BUILDING CONSTRUCTION, STRUCTURE, OR COMPONENTS, SHALL BE RELOCATED AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- PRODUCTS REQUIRED BY CONSTRUCTION BUT NOT SPECIFICALLY DESCRIBED HEREIN SHALL BE AS SELECTED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ARCHITECT AND ENGINEER.
- CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED BY CONTRACT DOCUMENTS PRIOR TO BIDDING PROJECT.
- PROVIDE ALL REQUIRED MATERIALS, LABOR, EQUIPMENT, AND SERVICES NECESSARY FOR THE INSTALLATION OF THE WORK AS SHOWN ON THESE DRAWINGS OR SPECIFIED BY THE BASE BUILDING DRAWING AND SPECIFICATIONS.
- REFER TO AND CAREFULLY CHECK ARCHITECTURAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS AND DETAILS, NOTES, LOCATIONS WHERE WALLS, PARTITIONS, CEILINGS, AND OTHER SURFACES ARE FURRED, LOCATIONS OF SHAFTS, SOFFITS, AND CONFLICTS WITH WORK OF OTHER TRADES, AND ARRANGE WORK ACCORDINGLY. FURNISH ALL OFFSETS, DAMPERS, CONNECTORS, ETC., REQUIRED TO MEET SUCH CONDITIONS.
- CONTRACTOR SHALL CONFIRM DUCTWORK, PIPING, EQUIPMENT, AND MECHANICAL COMPONENT LOCATIONS, ELEVATIONS AND SIZES BEFORE ANY WORK IS STARTED. IF ANY DISCREPANCIES ARE FOUND, NOTIFY ENGINEER BEFORE PROCEEDING WITH WORK.
- BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCESSING THE WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY AND CHECK NEEDED SPACE FOR PLACEMENT AND CLEARANCES.
- FOLLOW MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS FOR INSTALLATION OF THE PROVIDED.
- IF MANUFACTURER OF SELECTED EQUIPMENT REQUIRES LARGER CAPACITY, CIRCUITRY, AND/OR EQUIPMENT THE CONTRACTOR SHALL PROVIDE SUCH CAPACITY AND/OR EQUIPMENT UNDER THIS CONTRACT AT NO COST TO THE OWNER.
- WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE MECHANICAL, PLUMBING, ELECTRICAL, OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
- CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 26.
- ALL WORK IN INTERIOR FINISHED SPACES EXCEPT INDICATED IS TO BE CONCEALED. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM WORK, COORDINATE WITH OTHER DIVISIONS. ALL EXPOSED COMPONENTS INCLUDING: DUCT, PIPE, EQUIPMENT, AND CONTROLS SHALL BE FULLY COORDINATED WITH ARCHITECTURAL ELEMENTS.
- BEFORE CUTTING AND DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES. NOTIFY THE ARCHITECT AND ENGINEER WHERE EXISTING COMPONENTS AND OR BUILDING UTILITIES OBSTRUCT THE PROPOSED WORK.
- SUPPORT ALL EQUIPMENT, PIPING, DUCTWORK, AND OTHER REQUIRED MECHANICAL COMPONENTS FROM BUILDING STRUCTURE TO PROVIDE A VIBRATION FREE INSTALLATION. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ALL WEIGHTS AND METHODS OF SUPPORT.
- ALL PENETRATIONS THRU WALLS, ROOF, AND FLOORS AND ASSOCIATED CUTTING, PATCHING, WATERPROOFING, AND FLASHING SHALL BE COORDINATED WITH THE WORK OF OTHER SECTIONS BEFORE SITE WORK EXECUTION AND WITH THE ARCHITECT AND STRUCTURAL ENGINEER.
- ALL DUCT PASSING THROUGH FIRE, SMOKE RATED OR SMOKE/FIRE RATED BARRIERS (WALLS, FLOOR) SHALL BE PROVIDED WITH FIRE, SMOKE OR SMOKE/FIRE DAMPERS, LOCATIONS OR RATED WALLS SEE ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL VERIFY QUANTITY OF ALL DAMPERS IN ACCORDANCE WITH FINAL CONTRACT DOCUMENTS. ALL REQUIRED SMOKE DETECTORS PROVIDED BY DIV 23 SHALL BE CONNECTED TO FIRE ALARM SYSTEM.
- REFER TO SPECIFICATION SECTION 078413 "THROUGH PENETRATION FIRESTOP SYSTEMS" FOR ALL MATERIALS AND METHODS FOR PENETRATION THROUGH FIRE AND SMOKE RATED ASSEMBLIES.
- COORDINATE DIFFUSERS LOCATIONS AND DUCT WITH LIGHTING FIXTURES AND SPRINKLER HEADS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DETAILS OF PARTITIONS, SUSPENDED CEILINGS, AND SOFFITS.
- PROVIDE FLEXIBLE JOINTS ON ALL PIPING AND DUCTWORK WHERE PENETRATING ALL BUILDING EXPANSION JOINTS.
- PROVIDE FLEXIBLE CONNECTIONS BETWEEN MECHANICAL EQUIPMENT AND DUCTWORK AND PIPING.
- PROVIDE VOLUME DAMPERS ON ALL BRANCHES OF DUCTWORK (SUPPLY, RETURN, EXHAUST).
- PROVIDE ACCESS PANELS TO CLEAN COILS, SERVICE DAMPERS, HEATERS, VALVES, AND ALL OTHER MECHANICAL EQUIPMENT. COORDINATE LOCATIONS WITH THE ARCHITECT.
- PROVIDE DUCT ACCESS DOORS AT MOTORIZED DAMPERS, FIRE/SMOKE DAMPERS, COILS, DUCT MOUNTED DEVICES IRRESPECTIVE OF WHETHER ACCESS DOOR IS INDICATED ON THE PLANS.
- CONTRACTOR SHALL SELECT AND PROVIDE EXPANSION JOINTS OR EXPANSION LOOPS AND ANCHORS AS REQUIRED TO PREVENT TEMPERATURE EXPANSION STRESSES OF HYDRONIC PIPES BASED ON ACTUAL INSTALLATION/CONDITIONS.
- LOCATE ROOF MOUNTED HVAC EQUIPMENT MORE 10 FEET FROM ROOF EDGE. PROVIDE HANDRAILS IF EQUIPMENT ON THE ROOF LOCATED LESS 10 FEET FROM ROOF EDGE (SEE ARCHITECTURAL DRAWINGS)
- CONTROL CONTRACTOR TO PROVIDE ALL CONTROL DEVICES, EQUIPMENT, ACCESSORIES, OTHER APPARATUSSES, CONTROL VALVES AND DAMPERS, ACTUATORS, SENSORS, ETC. AND ALL CONTROL WIRING AND LOW VOLTAGE POWER WIRING RELATED TO CENTRAL DDC CONTROL SYSTEM.



ARCHITECT'S STAMP:

ENGINEER:

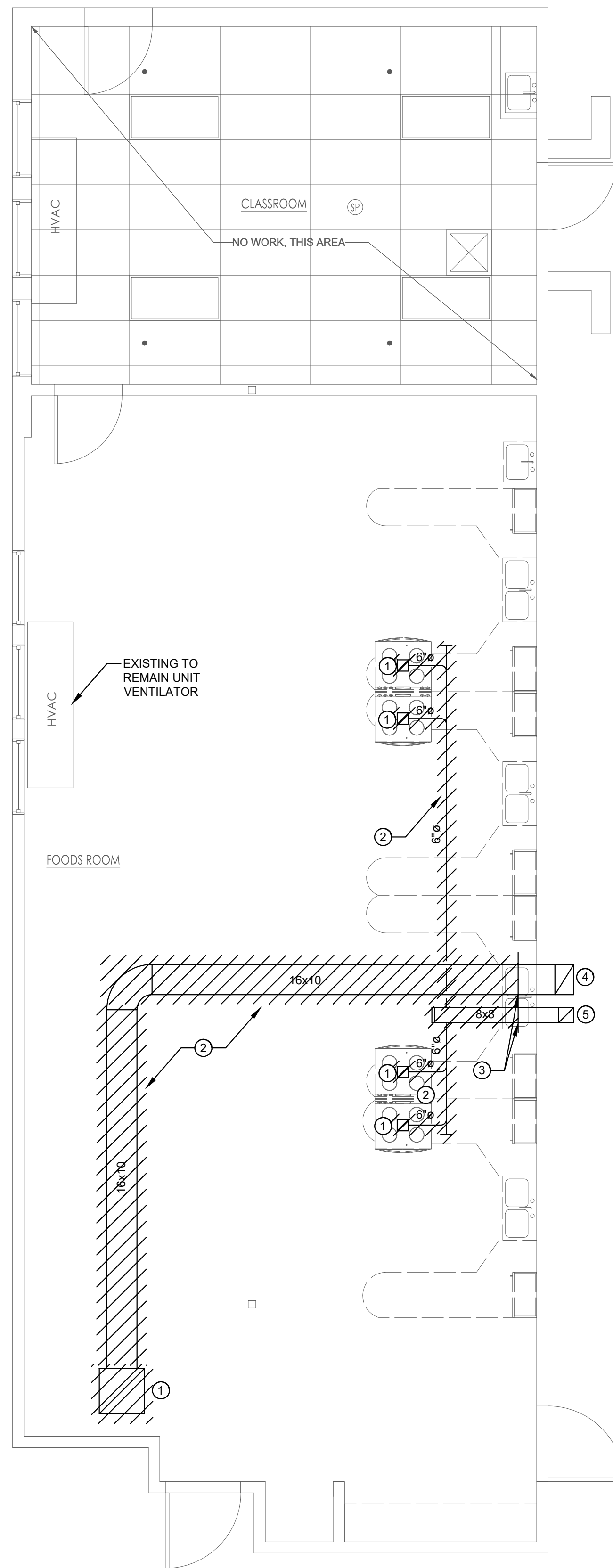
AKA Engineering Inc.
 44 Central Street, Unit # 4
 Berlin, MA. 01503
 Telephone - (508) 869-0403
 Fax - (508) 869-2891
 www.akalengineering.com

ENGINEER'S STAMP:

GENERAL INFORMATION:

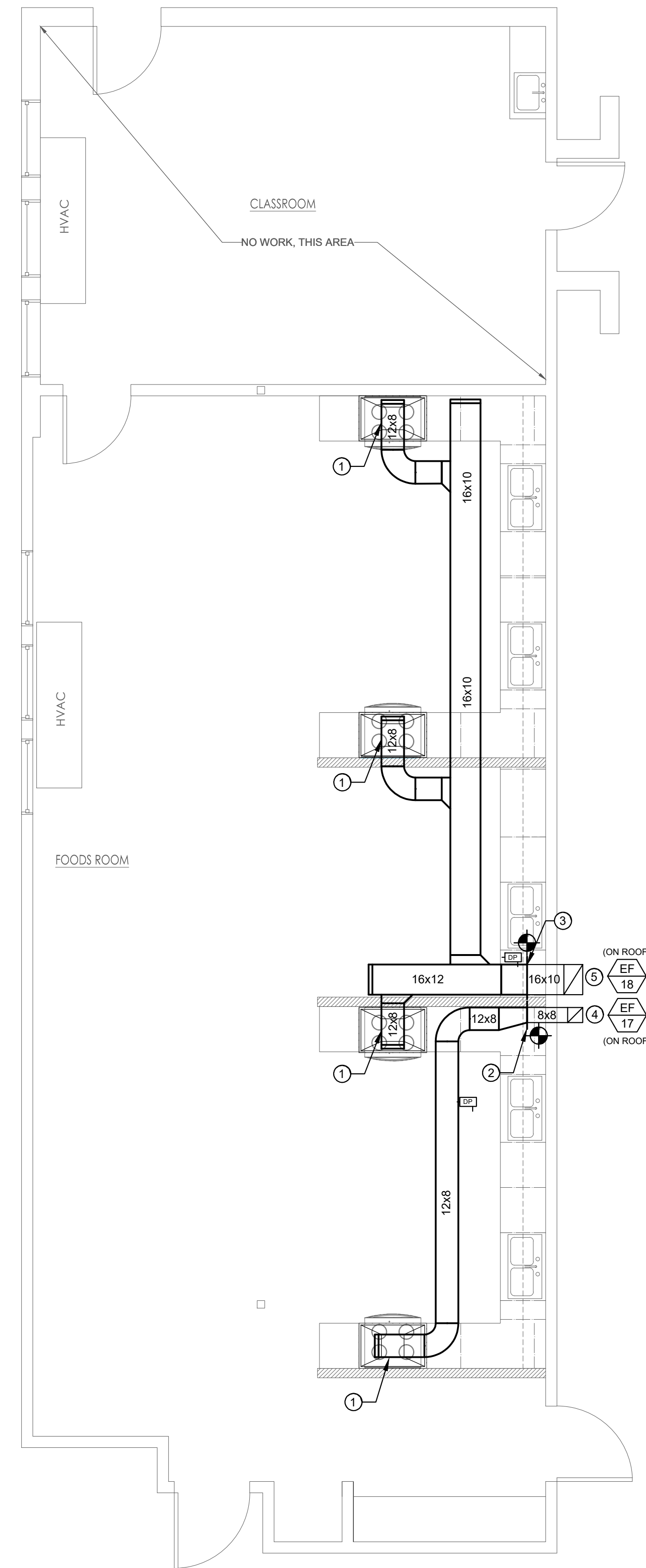
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	CONSTRUCTION
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4	
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REVISION DATE	

DATE: 01.31.2023
 SCALE: AS NOTED
 PROJECT: -
 DRAWN: SRK
 CHECKED: AG
 PROJECT TITLE:
 MILLBURY HIGH SCHOOL
 FOODS PROGRAM ROOM
 12 MARTIN STREET
 MILLBURY, MA 01527
 SHEET TITLE:
HVAC - LEGEND AND NOTES
 SHEET NUMBER:
H-0.0



FOODS ROOM HVAC DEMO FLOOR PLAN
SCALE 1/4" = 1'-0"

- DEMO PLAN KEYNOTES:**
- ① REMOVE AND PROPERLY DISPOSE OF EXISTING EXHAUST GRILLE.
 - ② REMOVE AND PROPERLY DISPOSE OF EXISTING DUCTWORK, HANGERS, AND ASSOCIATED APPURTENANCES.
 - ③ END OF DUCTWORK DEMOLITION. EXISTING DUCTWORK BEYOND THIS POINT SHALL BE EXISTING TO REMAIN.
 - ④ EXISTING 16x10 DUCT UP TO EXISTING EXHAUST FAN ON ROOF. EXISTING 120V EXHAUST FAN AND ASSOCIATED ROOF CURB TO BE REMOVED AND PROPERLY DISPOSED OF.
 - ⑤ EXISTING 8x8 DUCT UP TO EXISTING EXHAUST FAN ON ROOF. EXISTING 120V EXHAUST FAN AND ASSOCIATED ROOF CURB TO BE REMOVED AND PROPERLY DISPOSED OF.



PROPOSED FOODS ROOM HVAC PLAN
SCALE 1/4" = 1'-0"

- PLAN KEYNOTES:**
- ① PROVIDE DUCT CONNECTION TO NEW STAINLESS STEEL EXHAUST HOOD (BY OTHERS).
 - ② PROVIDE NEW DUCT TRANSITION AND CONNECT TO EXISTING 8x8 DUCT.
 - ③ PROVIDE NEW DUCT TRANSITION AND CONNECT TO EXISTING 16x10 DUCT.
 - ④ EXISTING 8x8 DUCT UP TO NEW ROOF MOUNTED EXHAUST FAN EF-17 (CONFIRM FINAL EQUIPMENT TAG NUMBER WITH OWNER).
 - ⑤ EXISTING 16x10 DUCT UP TO NEW ROOF MOUNTED EXHAUST FAN EF-18 (CONFIRM FINAL EQUIPMENT TAG NUMBER WITH OWNER).



ARCHITECT'S STAMP:

ENGINEER:

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Berlin, MA. 01503
Telephone - (508) 869-0403
Fax - (508) 869-2891
www.akalengineering.com

ENGINEER'S STAMP:

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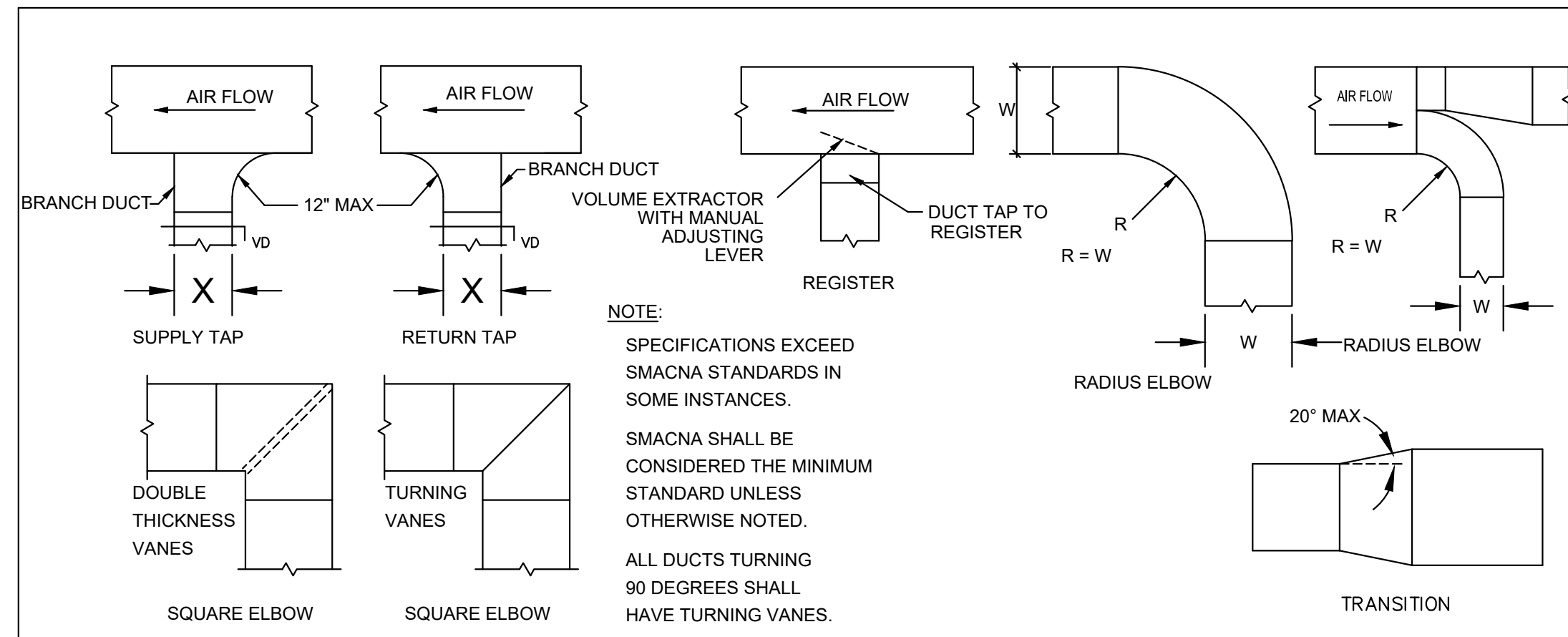
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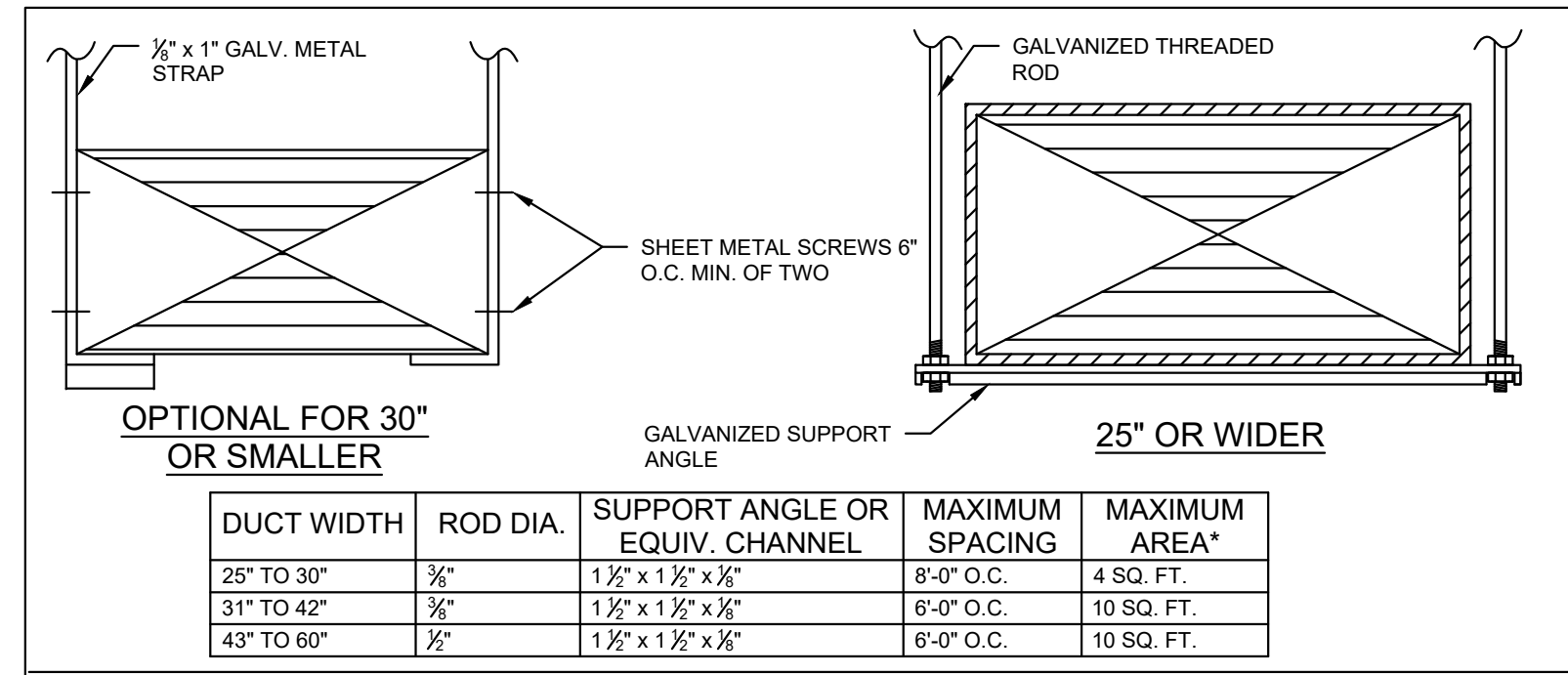
PROJECT TITLE:
MILLBURY HIGH SCHOOL
FOODS PROGRAM ROOM
12 MARTIN STREET
MILLBURY, MA 01527

SHEET TITLE:
HVAC - PROPOSED DUCTWORK PLAN

SHEET NUMBER:
H-1.1

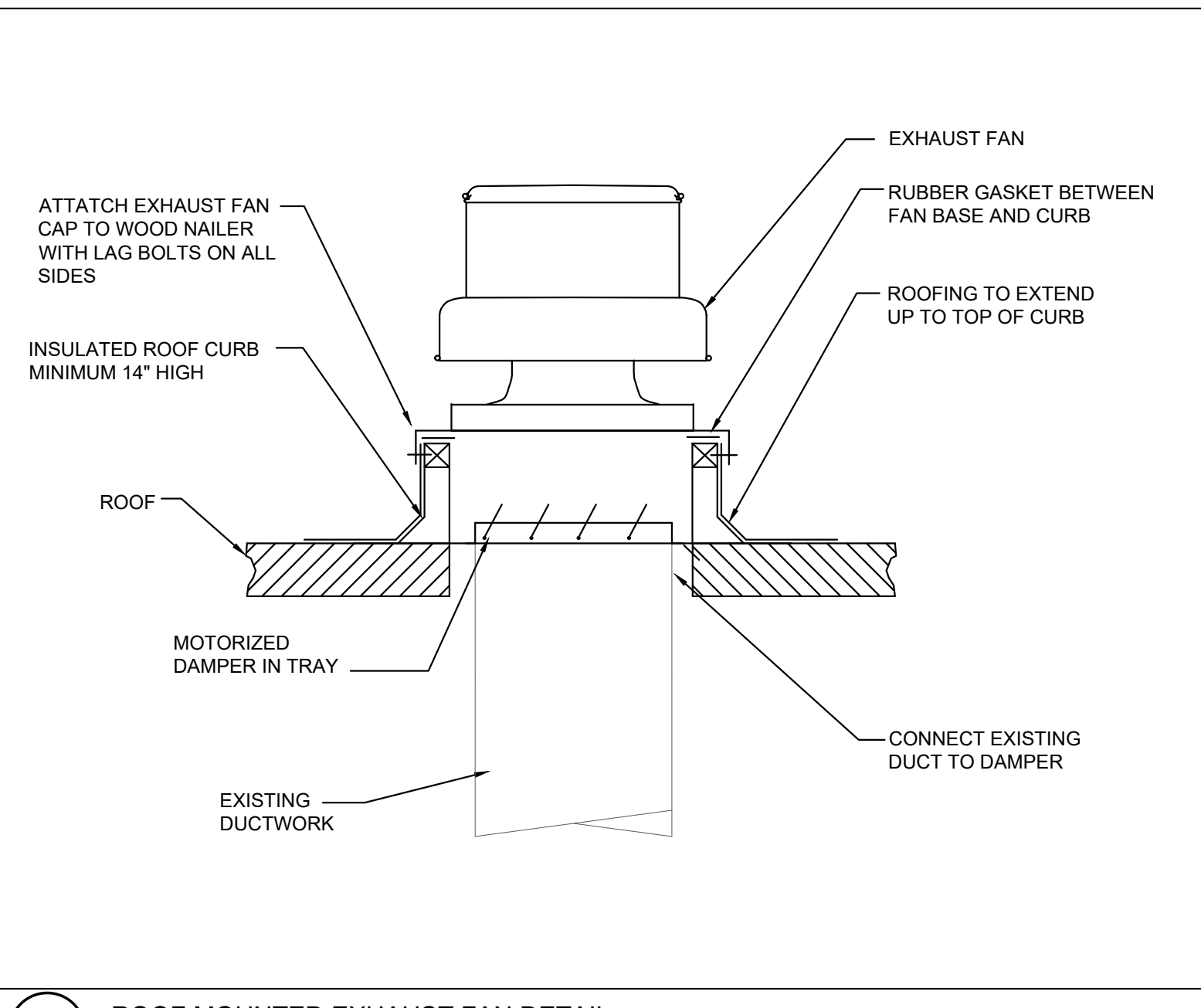


1 DUCTWORK CONSTRUCTION DETAILS
 NOT TO SCALE



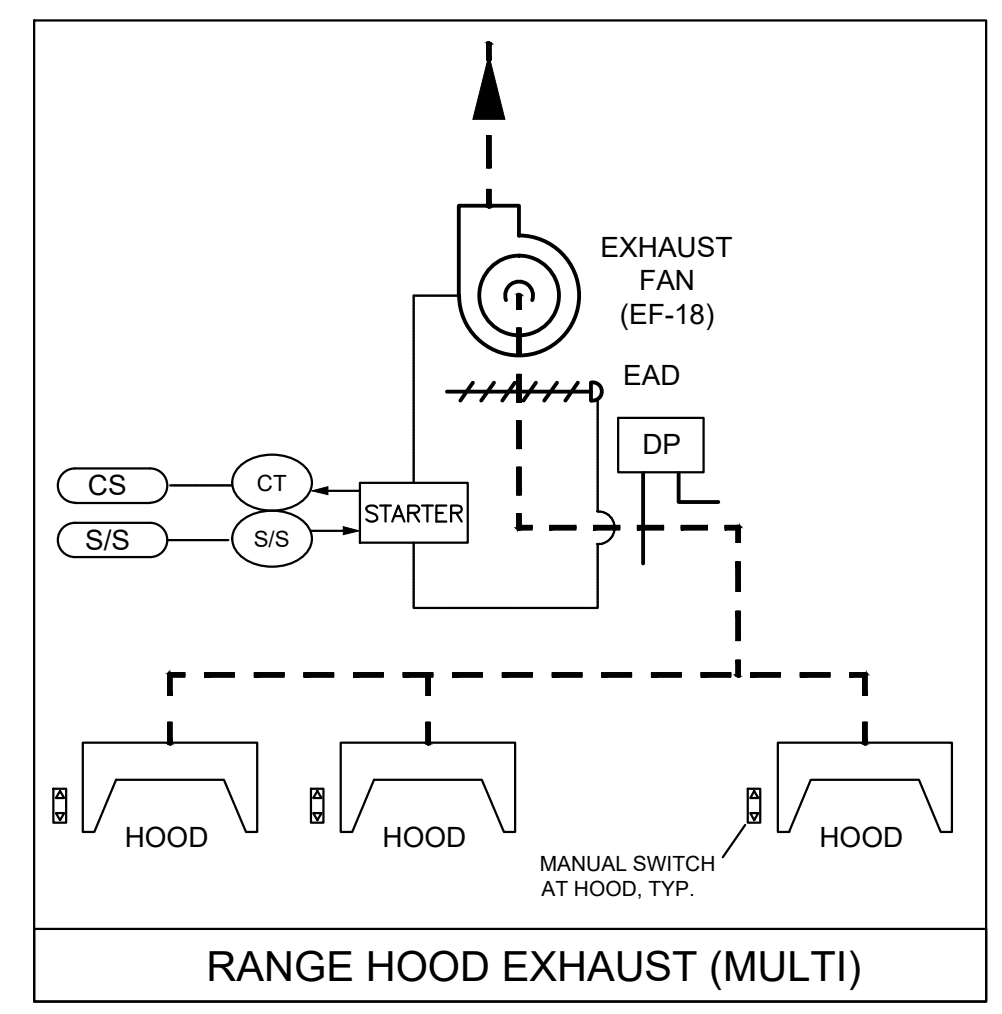
2 DUCT SUPPORT DETAILS
 NOT TO SCALE

DUCT WIDTH	ROD DIA.	SUPPORT ANGLE OR EQUIV. CHANNEL	MAXIMUM SPACING	MAXIMUM AREA*
25" TO 30"	3/8"	1 1/2" x 1 1/2" x 1/2"	8'-0" O.C.	4 SQ. FT.
31" TO 42"	3/8"	1 1/2" x 1 1/2" x 1/2"	6'-0" O.C.	10 SQ. FT.
43" TO 60"	1/2"	1 1/2" x 1 1/2" x 1/2"	6'-0" O.C.	10 SQ. FT.

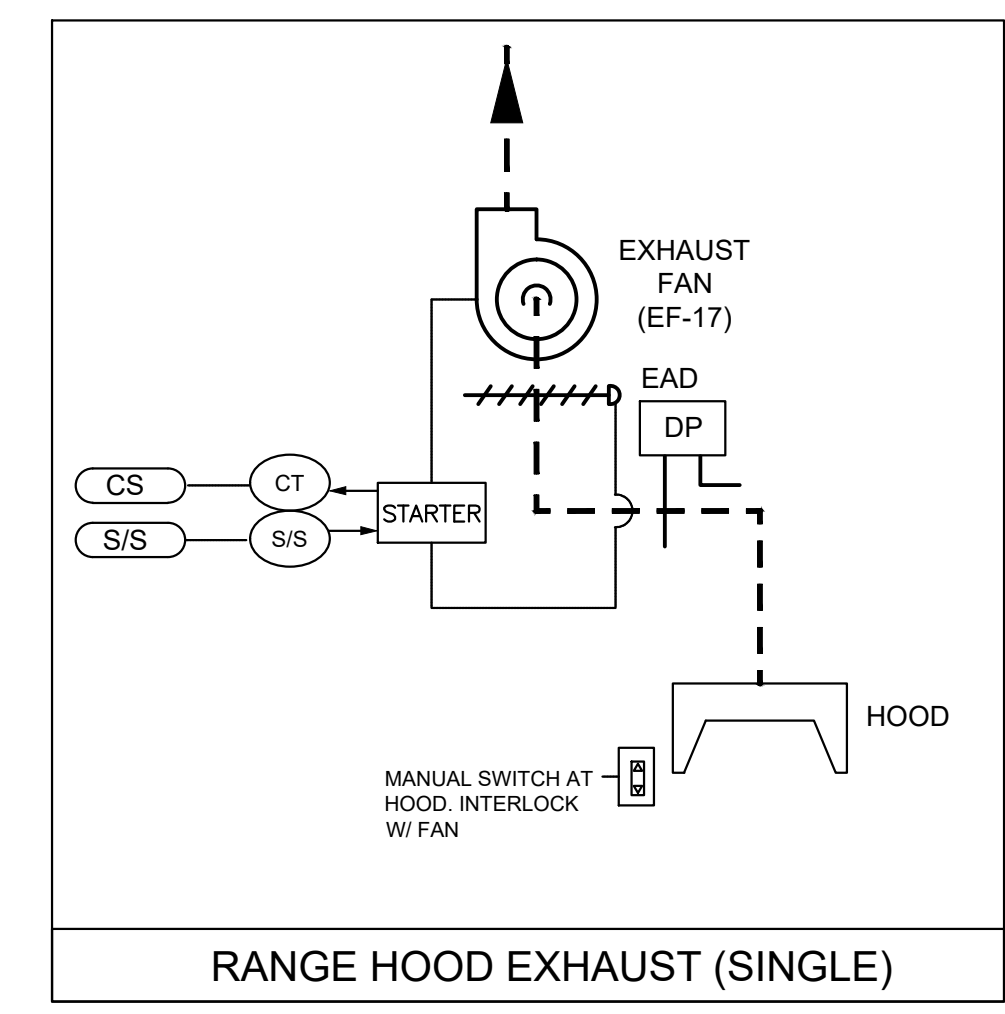


3 ROOF MOUNTED EXHAUST FAN DETAIL
 NOT TO SCALE

CONTROLS ABBREVIATIONS	
CS	CURRENT STATUS (DIGITAL INPUT, DI)
CT	CURRENT TRANSDUCER
DP	DIFFERENTIAL PRESSURE
EAD	EXHAUST AIR DAMPER
S/S	STARTER START/ STOP (DIGITAL OUTPUT, DO)



RANGE HOOD EXHAUST (MULTI)



RANGE HOOD EXHAUST (SINGLE)

EXHAUST FAN SCHEDULE

TAG	CFM	S.P. (IN. WC)	MOTOR POWER	V/PH/HZ	MANUFACTURER	MODEL	REMARKS
EF-17	400	0.3	30 W	115/1/60	GREENHECK	G-090-VG	1,2,3,4
EF-18	1200	0.625	1/4 HP	115/1/60	GREENHECK	G-130-VG	1,2,3,4

1. PROVIDE 14 INCH HIGH INSULATED ROOF CURB.
2. PROVIDE MOTORIZED DAMPER TO POWER OPEN WHEN FAN OPERATES.
3. COORDINATE WITH ELECTRICAL FOR FAN DISCONNECT SWITCH.
4. PROVIDE CONSTANT PRESSURE CONTROLLER WITH TRANSDUCER EQUAL TO GREENHECK VARI-GREEN CONSTANT PRESSURE CONTROL.

ARCHITECT:

DIXON SALO ARCHITECTS INCORPORATED
 300 MAIN STREET, FIRST FLOOR
 BERLIN, MASSACHUSETTS 01533
 TEL: (508) 752-5533 FAX: (508) 774-2399
 ADMIN@DIXONSALOARCHITECTS.COM

ARCHITECT'S STAMP:

ENGINEER:

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 44 Central Street, Unit # 4
 Berlin, MA. 01503
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 www.akalengineering.com

ENGINEER'S STAMP:

GENERAL INFORMATION:

NO.	REVISION	DATE
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3		
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REVISION DATE		

DATE:	01.31.2023
SCALE:	AS NOTED
PROJECT:	-
DRAWN:	SRK
CHECKED:	AG

PROJECT TITLE:
 MILLBURY HIGH SCHOOL
 FOODS PROGRAM ROOM
 12 MARTIN STREET
 MILLBURY, MA 01527

SHEET TITLE:
 HVAC - DETAILS,
 CONTROL DIAGRAMS
 & SCHEDULES

SHEET NUMBER:
H-2.1

GENERAL ABBREVIATIONS			
AC	AIR CONDITIONING UNIT	HW	HOT WATER
AD	ACCESS DOOR	HWH	HOT WATER HEATER
AF	AIR FILTER	HZ	HERTZ
AP	ACCESS PANEL	IN	INCHES
ATC	AUTOMATIC TEMPERATURE CONTROL	KW	KILOWATT
AV	AIR VENT	LAT	LEAVING AIR TEMPERATURE
BD	BAROMETRIC DAMPER	LF	LINEAR FEET
BDD	BACKDRAFT DAMPER	LWT	LEAVING WATER TEMPERATURE
BHP	BRAKE HORSEPOWER	MBH	THOUSANDS OF BTU'S PER HOUR
BOP	BOTTOM OF PIPE	MD	MOTORIZED DAMPER
BTU	BRITISH THERMAL UNITS	MECH	MECHANICAL
BV	BALL VALVE	N/A	NOT APPLICABLE
CC	COOLING COIL	NC	NORMALLY CLOSED
CFM	CUBIC FEET PER MINUTE	NO	NORMALLY OPEN
CFH	CUBIC FEET PER HOUR	NTS	NOT TO SCALE
CP	CONTROL PANEL	OA	OUTSIDE AIR
CO	CLEAN OUT	OAT	OUTSIDE AIR TEMPERATURE
COP	CENTER OF PIPE	OBD	OPPOSED BLADE DAMPER
CTE	CONNECT TO EXISTING	OD	OVERFLOW DRAIN
CUH	CABINET UNIT HEATER	Ph	PHASE
CU	CONDENSING UNIT	R	RETURN
CW	COLD WATER	RA	RETURN AIR
D	DRAIN	REF	REQUIRED
DB	DRY BULB	REQ'D	REQUIRED
DIA	DIAMETER	RD	ROOF DRAIN
DIFF	DIFFUSER	RG	RETURN GRILLE
DN	DOWN	RH	RELATIVE HUMIDITY
DWG	DRAWING	RPM	REVOLUTIONS PER MINUTE
E	EXISTING	RTU	ROOF TOP UNIT
EAT	ENTERING AIR TEMPERATURE	S	SANITARY
EFF	EFFICIENCY	SA	SUPPLY AIR
EF	EXHAUST FAN	SAT	SUPPLY AIR TEMPERATURE
ELEC	ELECTRICAL	SqFt	SQUARE FEET
ELV	ELEVATION	SFD	SMOKE/FIRE DAMPER
ESP	EXTERNAL STATIC PRESSURE	SP	STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER	SQ	SQUARE
EWL	ELECTRIC WALL HEATER	SR	SUPPLY REGISTER
EWT	ENTERING WATER TEMPERATURE	ST	STORM
EXH	EXHAUST	STL	STEEL
F	DEGREES FAHRENHEIT	T	THERMOSTAT
FCO	FLOOR CLEAN OUT	T.B.D.	TO BE DEMOLISHED
FD	FIRE DRAIN	TYP.	TYPICAL
FLA	FULL LOAD AMPS	TV	WIND TURBINE VENTILATOR
FLEX	FLEXIBLE	UC	UNIT HEATER
FMS	FLOW MEASURING STATION	UH	UNIT HEATER
FPM	FEET PER MINUTE	V	VENT
FPHB	FREEZE PROOF HOSE BIBB	VAV	VARIABLE AIR VOLUME
FTR	FINNED TUBE RADIATION	VB	VACUUM BREAKER
FT	FEET	VTR	VENT THRU ROOF
GAL	GALLONS	W	WASTE
GC	GENERAL CONTRACTOR	W/	WITH
GPM	GALLONS PER MINUTE	WCO	WALL CLEANOUT
GV	GATE VAVLE	W/O	WITHOUT
HB	HOSE BIBB	WB	WET BULB TEMPERATURE
HC	HEATING COIL	WG	WATER GAUGE
HP	HORSEPOWER	WH	WATER HEATER
HP	HEAT PUMP	WHA	WATER HAMMER ARRESTOR
HVAC	HEATING, VENTILATION, & AIR CONDITIONING		

PIPING LEGEND	
	- DOUBLE LINE INDICATES BELOW GRADE
	SAN SANITARY OR WASTE ABOVE GRADE
	GD GARAGE DRAIN
	GDV GARAGE DRAIN VENT
	V VENT PIPING BELOW GRADE
	V VENT PIPING ABOVE GRADE
	CW COLD WATER
	HW HOT WATER
	HWR HOT WATER RETURN
	G NATURAL GAS
	OD OVERFLOW DRAIN
	FCO FLUSH FLOOR CLEANOUT
	CO CLEANOUT
	WCO WALL CLEANOUT
	UP PIPE RISES UP
	DN PIPE DROPS DOWN
	W&T WASTE AND TRAP
	RD ROOF DRAIN
	TP TRAP PRIMER
	SA SHOCK ABSORBER (WATER HAMMER ARRESTOR (W/ BALL VALVE SHUT OFF VALVE))
	FD FLOOR DRAIN
	CV CHECK VALVE
	- SHUT-OFF VALVE
	GLOBE VALVE
	PUMP STRAINER
	P- INDICATES PLUMBING FIXTURE (SEE SCHEDULE)
	INV. INVERT ELEVATION
	VTR VENT THRU ROOF
	VIF VERIFY IN FIELD
	P.C. PLUMBING CONTRACTOR
	M.C. MECHANICAL (HVAC) CONTRATOR
	E.C. ELECTRICAL CONTRACTOR
	G.C. GENERAL CONTRACTOR
	EXPANSION LOOP W/ PIPE GUIDES
	PIPE ANCHOR
	END OF DEMOLITION
	CONNECT TO EXISTING

GENERAL PLUMBING NOTES	
1.	GENERAL NOTES, SYMBOLS AND DETAILS ARE APPLICABLE TO ALL DRAWINGS WITHIN DIVISION 22. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS IN ADDITION TO GENERAL NOTES. NOT ALL SYMBOLS SHOWN ARE NECESSARILY APPLICABLE TO THIS PROJECT.
2.	SCOPE OF WORK SHALL INCLUDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, HOISTING, RIGGING, INSURANCE, REQUIRED PERMITS AND INSPECTIONS, ETC. REQUIRED TO PERFORM THE WORK AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS FOR A COMPLETE INSTALLATION. ALL SHALL BE DONE BY LICENSED WORKMEN IN ACCORDANCE WITH NATIONAL, STATE, AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
3.	THE DRAWINGS SHOW THE LAYOUT OF THE PLUMBING SYSTEMS AND INDICATE THE APPROXIMATE LOCATIONS OF FIXTURES, PIPING, BRANCHES AND ELBOWS, SPECIALTIES, AND EQUIPMENT. THE DRAWINGS ARE DIAGRAMMATIC AND ARE BASED ON VISIBLE OBSERVABLE CONDITIONS. CAREFULLY REVIEW AND STUDY DRAWINGS. IF ANY DISCREPANCIES EXIST, NOTIFY THE ARCHITECT AND ENGINEER BEFORE ADVANCING TO SUCH A POINT THAT ADDITIONAL COSTS WILL BE INCURRED. THE EXACT LOCATION OF ALL COMPONENTS ARE TO BE DETERMINED IN THE FIELD BY THE ACTUAL BUILDING CONDITIONS. FIXTURES, PIPING, SPECIALTIES, EQUIPMENT, AND PLUMBING COMPONENTS INTERFERING WITH OTHER INSTALLATION OR EXISTING BUILDING CONSTRUCTION, STRUCTURE, OR COMPONENTS, SHALL BE RELOCATED AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
4.	ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE MASSACHUSETTS PLUMBING CODE, MASSACHUSETTS PLUMBING BOARD, AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.
5.	ALL PLUMBING PRODUCTS INSTALLED SHALL BE APPROVED AND RECOGNIZED BY THE MASSACHUSETTS PLUMBING BOARD AND THE APPROVED PLUMBING PRODUCTS DIRECTORY.
6.	PRODUCTS REQUIRED BY CONSTRUCTION BUT NOT SPECIFICALLY DESCRIBED HEREIN SHALL BE AS SELECTED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ARCHITECT AND ENGINEER.
7.	PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS FOR THE INSTALLATION PROVIDED.
8.	PROVIDE ALL REQUIRED MATERIALS, LABOR, EQUIPMENT, AND SERVICES NECESSARY FOR THE INSTALLATION OF THE WORK AS SHOWN ON THESE DRAWINGS OR SPECIFIED BY THE BASE BUILDING DRAWING AND SPECIFICATIONS.
9.	CONTRACTOR SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED BY CONTRACT DOCUMENTS PRIOR TO BIDDING PROJECT.
10.	BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCESSING THE WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY AND CHECK NEEDED SPACE FOR PLACEMENT AND CLEARANCES.
11.	NEITHER ACCURACY NOR COMPLETION OF UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF UTILITIES IN FIELD, WHETHER SHOWN ON DRAWINGS OR NOT. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM THE WORK OF THIS SECTION.
12.	REFER TO AND CAREFULLY CHECK ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS AND DETAILS, NOTES, LOCATIONS WHERE WALLS, PARTITIONS, CEILINGS, AND OTHER SURFACES ARE FURRED, LOCATIONS OF SHAFTS, SOFFITS, AND CONFLICTS WITH WORK OF OTHER TRADES, AND ARRANGE WORK ACCORDINGLY. FURNISH ALL OFFSETS, TRANSITIONS, CONNECTORS, ETC., REQUIRED TO MEET SUCH CONDITIONS.
13.	CONTRACTOR SHALL CONFIRM PIPING, EQUIPMENT, FIXTURES, SPECIALTIES, AND PLUMBING COMPONENT LOCATIONS, ELEVATIONS AND SIZES BEFORE ANY WORK IS STARTED. IF ANY DISCREPANCIES OR INTERFERENCES ARE FOUND, NOTIFY ENGINEER BEFORE PROCEEDING WITH WORK.
14.	IF MANUFACTURER OF SELECTED EQUIPMENT REQUIRES LARGER CAPACITY, CIRCUITRY, AND/OR EQUIPMENT THE CONTRACTOR SHALL PROVIDE SUCH CAPACITY AND/OR EQUIPMENT UNDER THIS CONTRACT AT NO COST TO THE OWNER.

GENERAL PLUMBING NOTES (CONTINUED)	
15.	WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE PLUMBING, MECHANICAL, ELECTRICAL, OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
16.	CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 26.
17.	ALL WORK IN INTERIOR FINISHED SPACES EXCEPT INDICATED IS TO BE CONCEALED. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAIRING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM WORK, COORDINATE WITH OTHER DIVISIONS. ALL EXPOSED COMPONENTS INCLUDING: FIXTURES, PIPE, EQUIPMENT, VALVES, PANELS, AND CONTROLS SHALL BE FULLY COORDINATED WITH ARCHITECTURAL ELEMENTS.
18.	BEFORE CUTTING AND DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES. NOTIFY ARCHITECT AND ENGINEER WHERE EXISTING COMPONENTS AND OR BUILDING UTILITIES OBSTRUCT THE PROPOSED WORK.
19.	SUPPORT ALL EQUIPMENT, PIPING, AND OTHER REQUIRED PLUMBING COMPONENTS FROM BUILDING STRUCTURE TO PROVIDE A VIBRATION FREE INSTALLATION. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ALL WEIGHTS AND METHODS OF SUPPORT.
20.	ALL PENETRATIONS THRU WALLS, ROOF, AND FLOORS AND ASSOCIATED CUTTING, PATCHING, WATERPROOFING, AND FLASHING SHALL BE COORDINATED WITH THE WORK OF OTHER SECTIONS BEFORE SITE WORK EXECUTION AND WITH THE ARCHITECT AND STRUCTURAL ENGINEER.
21.	ALL SLEEVES THROUGH CONCRETE FLOORS AND ALL CORE DRILLING OF CONCRETE FLOORS AND WALLS SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
22.	ALL PIPING PENETRATING CEILING AND WALLS SHALL BE INSTALLED WITH CHROME PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE SEALED WEATHER-TIGHT. PIPING PENETRATING FIRE RATED PARTITIONS SHALL BE PROTECTED AS REQUIRED BY CODE.
23.	PROVIDE FLEXIBLE JOINTS ON ALL PIPING WHERE PENETRATION ALL BUILDING EXPANSION JOINTS.
24.	PROVIDE SHUTOFF VALVES ON ALL BRANCH PIPING AND ON ALL SUPPLIES TO INDIVIDUAL FIXTURES AND EQUIPMENT. PROVIDE BALL VALVES ON ALL WATER MAIN BRANCHES IN CORRIDORS AND WHERE INDICATED ON DRAWINGS.
25.	PROVIDE ACCESS PANELS FOR CONCEALED PLUMBING COMPONENTS AND EQUIPMENT REQUIRING ACCESS FOR OPERATION, SERVICE, INSPECTION, AND MAINTENANCE. COORDINATE LOCATIONS WITH THE ARCHITECT.
26.	TOP OF ALL FLOOR DRAINS SHALL BE SET FLUSH WITH FINISHED FLOORING UNLESS OTHERWISE NOTED.
27.	INSULATE PIPING AS SPECIFIED. PERFORM REQUIRED TESTS BEFORE INSULATING.
28.	TEST AND STERILIZATION: ENTIRE SANITARY, WASTE, VENT, STORM, AND GAS PIPING SYSTEMS SHALL BE TESTED, FLUSHED, AND/OR STERILIZED BY THE PLUMBING CONTRACTOR IN THE PRESENCE OF THE GC, AND LOCAL AUTHORITIES (PLUMBING INSPECTOR AND GAS FITTING INSPECTOR IF SEPARATE FROM THE PLUMBING INSPECTOR).

PLUMBING FIXTURES & CONNECTION SCHEDULE

TAG	DESCRIPTION	SOIL/ WASTE	VENT	COLD WATER	HOT WATER	REMARKS
P-1	KITCHEN SINK	2"	1-1/2"	1/2"	1/2"	1

1. PROVIDE PLUMBING EQUIPMENT AS APPROVED BY ARCHITECT OR OWNER. ALL FIXTURES TO BE APPROVED BY THE MASS PLUMBING BOARD.

ARCHITECT:



ARCHITECT'S STAMP:

ENGINEER:



ENGINEER'S STAMP:

GENERAL INFORMATION:

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<input type="checkbox"/>	DESIGN DEVELOPMENT	
<input checked="" type="checkbox"/>	BID	01.31.2023
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	REVISION DATE	

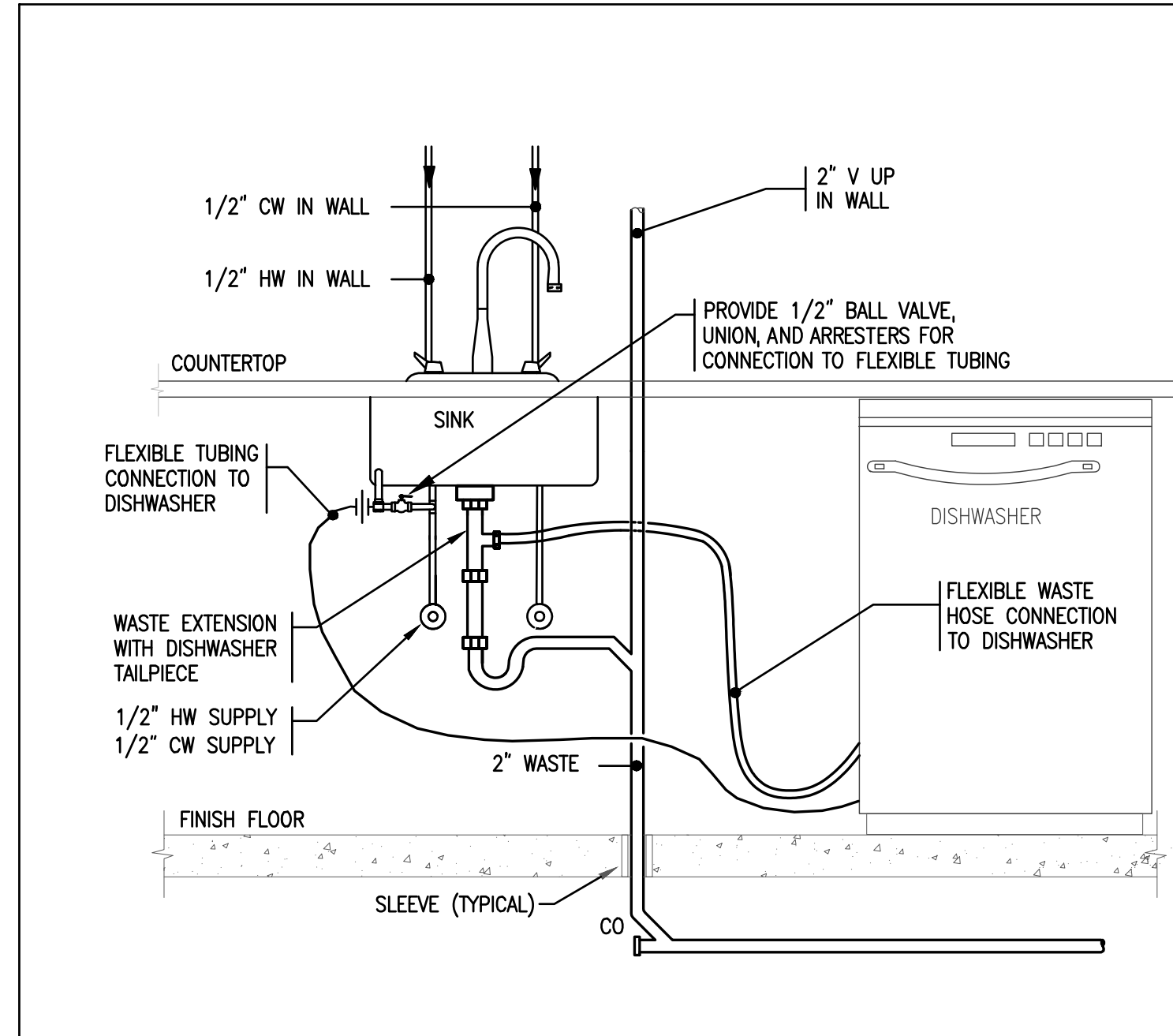
DATE:	01.31.2023
SCALE:	AS NOTED
PROJECT:	- -
DRAWN:	SRK
CHECKED:	AG

PROJECT TITLE:
MILLBURY HIGH SCHOOL
FOODS PROGRAM ROOM
12 MARTIN STREET
MILLBURY, MA 01527

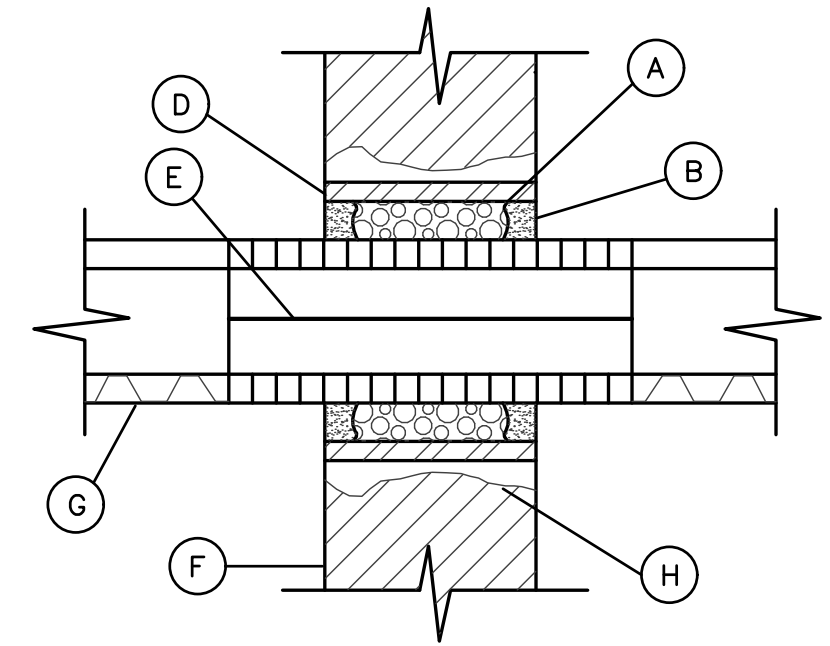
SHEET TITLE:
PLUMBING-LEGEND,
NOTES & SCHEDULES

SHEET NUMBER:

P-0.1



1 DISHWASHER AND SINK WASTE CONNECTION
NOT TO SCALE



- (A) PROVIDE 1/4" CLEARANCE BETWEEN PIPE SLEEVE OR CORE DRILLED HOLE AND PIPE. PACK CLEARANCE SPACE WITH SPECIFIED INSULATION
- (B) PROVIDE SPECIFIED END SEALANT
- (C) NOT USED
- (D) SLEEVE—PROVIDE AS SPECIFIED. SLEEVE MAY BE OMITTED AND CORE DRILLED HOLE PROVIDED IN CONCRETE AS SPECIFIED. EXTEND FLOOR PIPE SLEEVES 2" ABOVE FLOOR.
- (E) CALCIUM SILICATE OR APPROVED EQUAL INSULATION THRU PENETRATION AND EXTENDED 2" ON BOTH SIDES OF WALL OR FLOOR; PROVIDE METAL JACKET AS SPECIFIED OVER INSULATION
- (F) WALL OR FLOOR
- (G) SPECIFIED INSULATION
- (H) GROUT SPACE BETWEEN SLEEVE AND MASONRY OR CONCRETE WALLS AND FLOORS

2 PIPE PENETRATION THROUGH INTERIOR WALL/FLOOR DETAIL
NOT TO SCALE

ARCHITECT'S STAMP:

ENGINEER:

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 44 Central Street, Unit # 4
 Berlin, MA, 01503
 Telephone - (508) 869-0403
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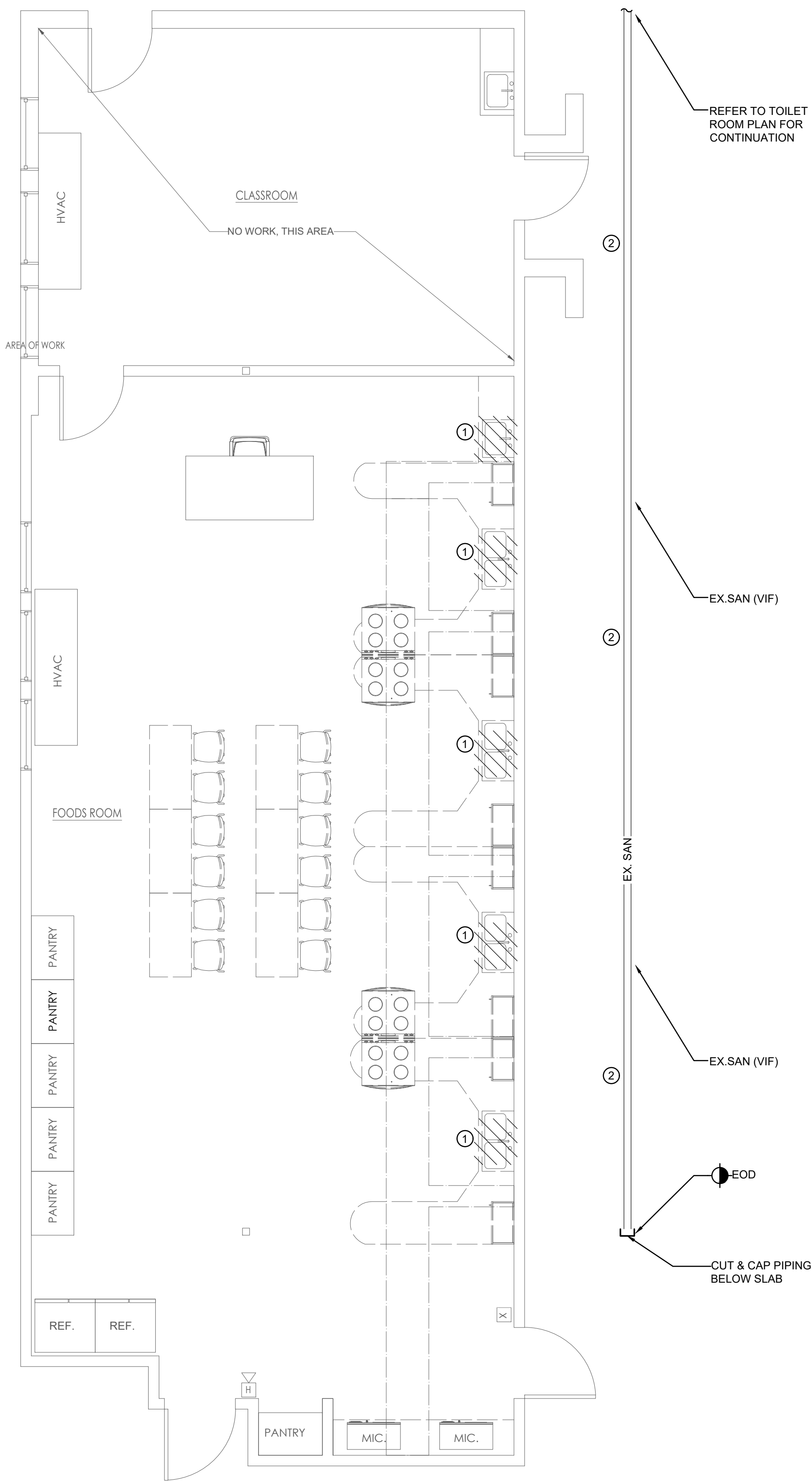
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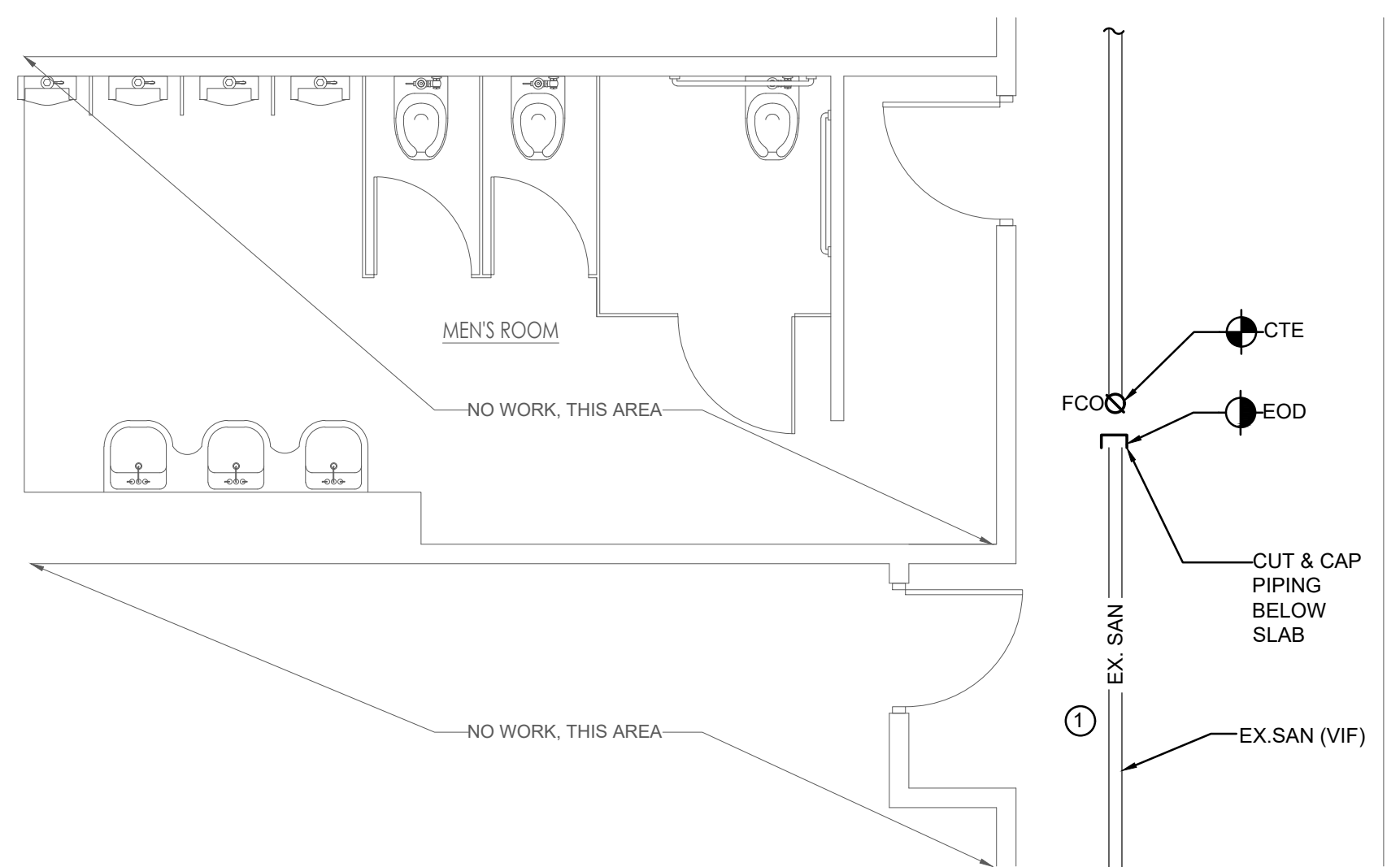
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	REVISION DATE

DATE: 01.31.2023
 SCALE: AS NOTED
 PROJECT: - -
 DRAWN: SRK
 CHECKED: AG
 PROJECT TITLE:
 MILLBURY HIGH SCHOOL
 FOODS PROGRAM ROOM
 12 MARTIN STREET
 MILLBURY, MA 01527
 SHEET TITLE:
PLUMBING-DETAILS
 SHEET NUMBER:
P-0.2



FOODS ROOM PLUMBING DEMO FLOOR PLAN
SCALE 1/4" = 1'-0"



DEMOLITION TOILET PLAN KEYNOTES:

① EXISTING SANITARY LINE TO BE ABANDONED IN PLACE.

GENERAL NOTES:

1. PLUMBING CONTRACTOR TO VERIFY EXACT LOCATIONS OF DOMESTIC WATER, SANITARY WASTE & VENT, PIPING IN THE FIELD.

2. CAP ALL FUTURE OUTLET CONNECTION AIR TIGHT.

TOILET ROOM PLUMBING DEMO FLOOR PLAN
SCALE 1/4" = 1'-0"

DEMOLITION PLAN KEYNOTES:

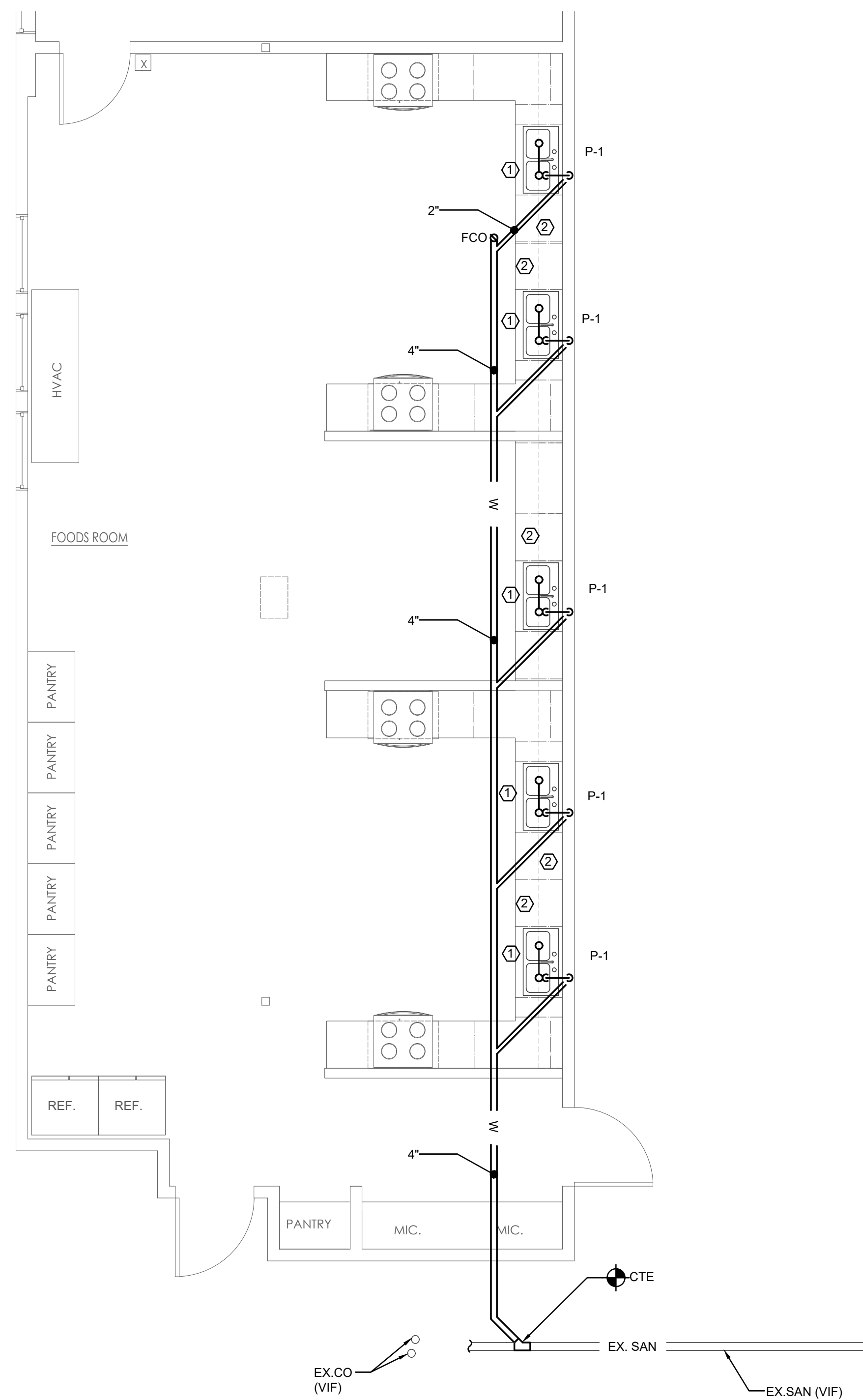
① REMOVE & DISCARD EXISTING SINK. CUT AND CAP EXISTING CW, HW & VENT PIPING AT THE WALL. CUT AND CAP EXISTING SANITARY BELOW FLOOR SLAB.

② EXISTING SANITARY LINE TO BE ABANDONED IN PLACE.

GENERAL NOTES:

1. PLUMBING CONTRACTOR TO VERIFY EXACT LOCATIONS OF DOMESTIC WATER, SANITARY WASTE & VENT, PIPING IN THE FIELD.

2. CAP ALL FUTURE OUTLET CONNECTION AIR TIGHT.



PROPOSED FOODS ROOM PLUMBING PLAN
SCALE 1/4" = 1'-0"

PLAN KEYNOTES:

① PROVIDE NEW SINK, CONNECT TO EXISTING CW, HW AND VENT PIPING

② REFER TO DETAIL 1 ON DWG P-0.2 FOR DISHWASHER CONNECTIONS.

GENERAL NOTES:

1. PLUMBING CONTRACTOR TO VERIFY EXACT LOCATIONS OF DOMESTIC WATER, SANITARY WASTE & VENT, PIPING IN THE FIELD.

ARCHITECT'S STAMP:

ENGINEER:

AKA Engineering Inc.
44 Central Street, Unit # 4
Berlin, MA. 01503
Telephone - (508) 869-0403
Fax - (508) 869-2891
www.akalengineering.com

ENGINEER'S STAMP:

GENERAL INFORMATION:

□	SCHEMATIC	
▨	DESIGN DEVELOPMENT	
■	BID	01.31.2023
▤	PERMIT	
▥	CONSTRUCTION	
▧	EXISTING CONDITIONS	
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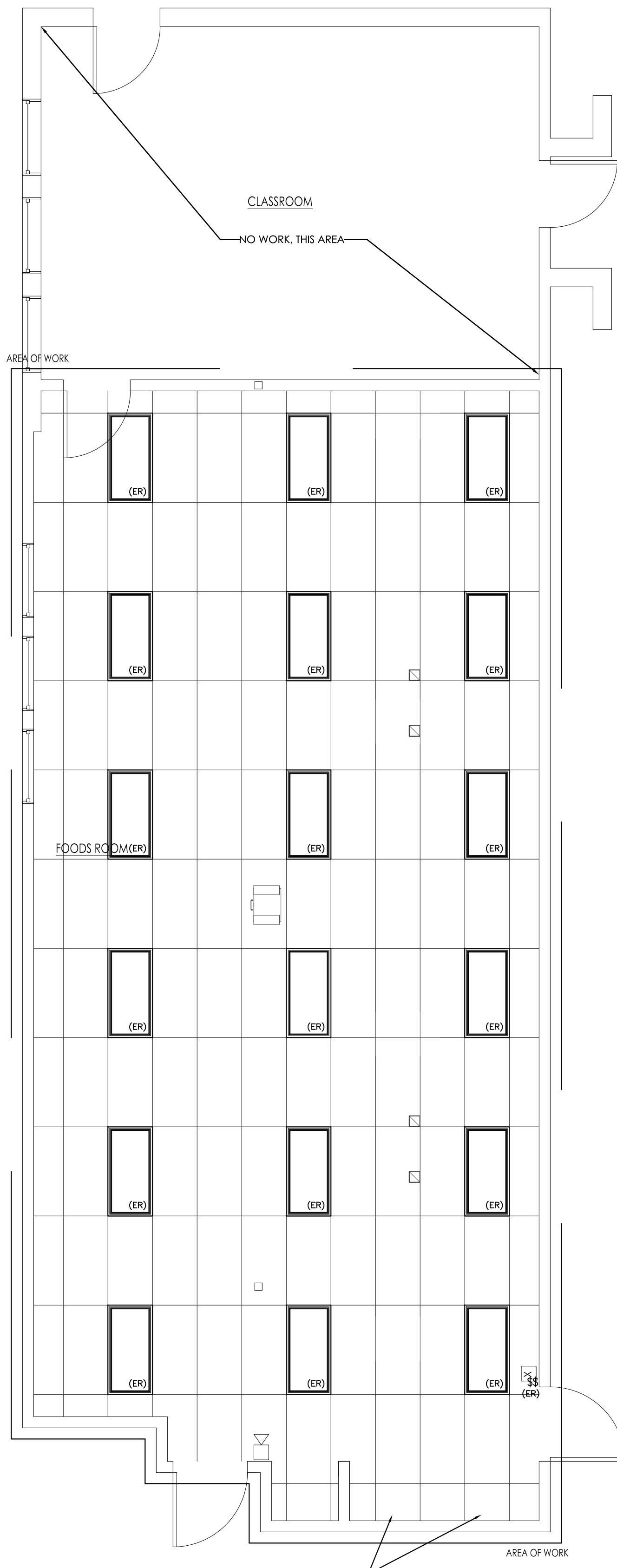
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SCALE: AS NOTED
PROJECT: - -
DRAWN: SRK
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PROJECT TITLE:
MILLBURY HIGH SCHOOL
FOODS PROGRAM ROOM
12 MARTIN STREET
MILLBURY, MA 01527

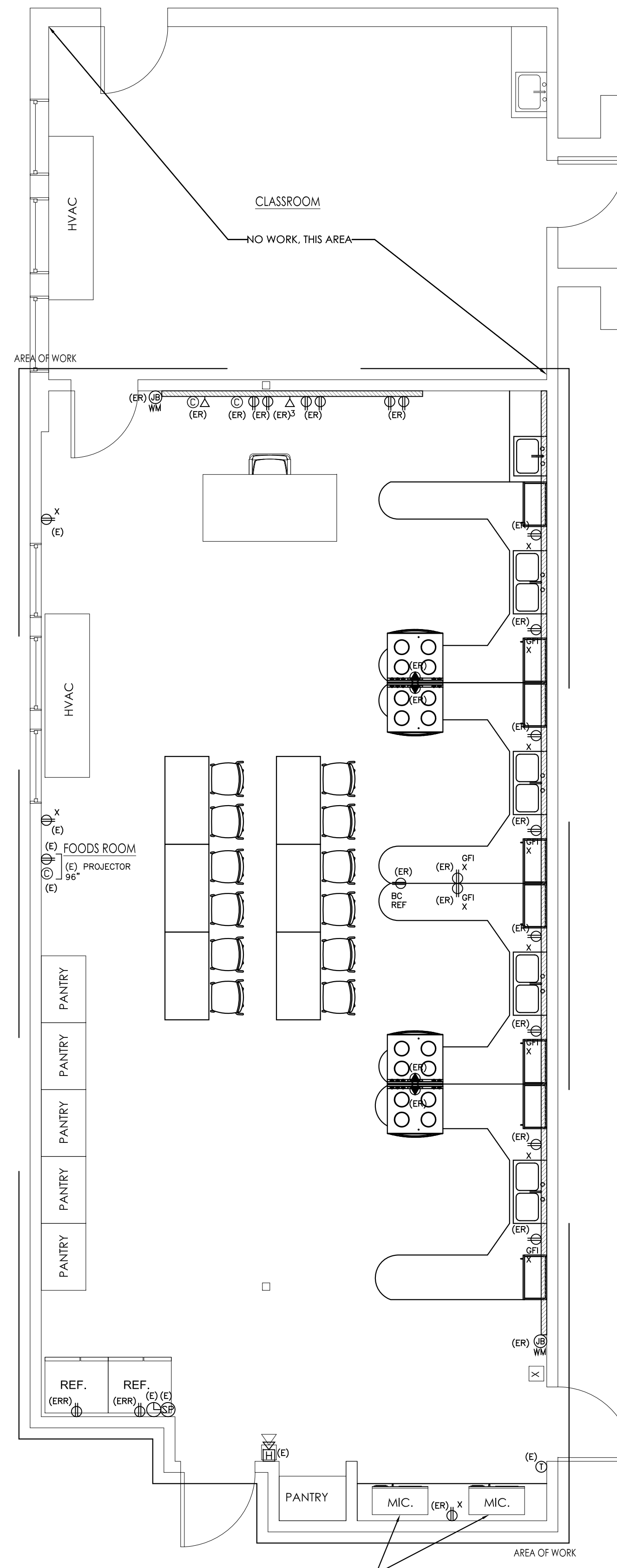
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PLUMBING- DEMO & PROPOSED PLANS

SHEET NUMBER:

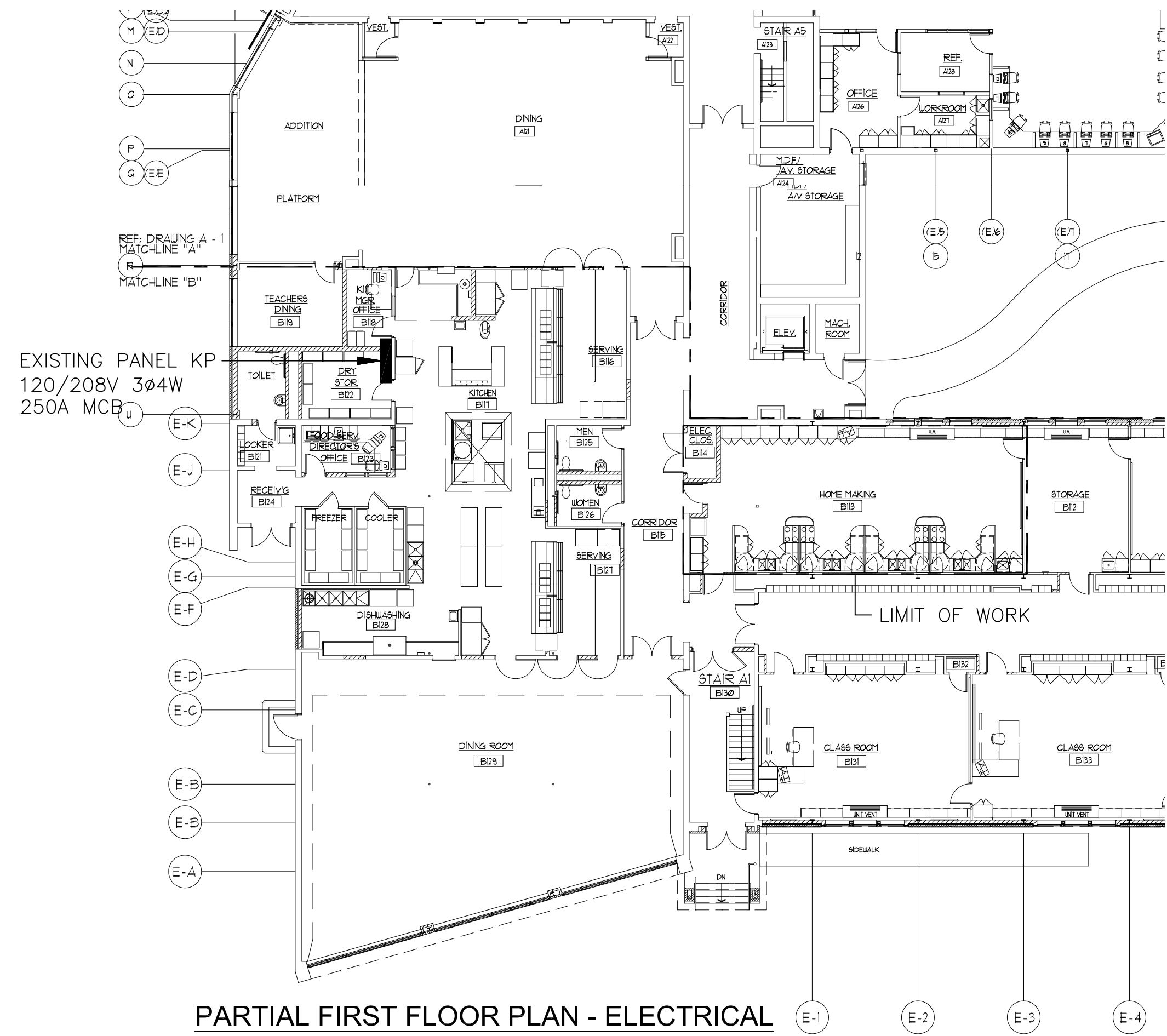
P-1.1



PARTIAL FLOOR PLAN - LIGHTING DEMOLITION
Scale: 1/4"=1'-0"



PARTIAL FLOOR PLAN - POWER DEMOLITION
Scale: 1/4"=1'-0"



PARTIAL FIRST FLOOR PLAN - ELECTRICAL
Scale: 1/16"=1'-0"

DEMOLITION NOTES:

NOTE 1:
THE EQUIPMENT SHOWN IS TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REVIEW THE SITE AND TO COORDINATE WITH THE GENERAL CONTRACTOR TO DETERMINE THE AMOUNT AND PHASING OF DEMOLITION WORK REQUIRED.

NOTE 2:
THIS CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ELECTRICAL EQUIPMENT BEING REMOVED BY THE GENERAL/DEMOLITION CONTRACTOR IS TAGGED AND MADE ELECTRICALLY SAFE. CUT ALL CABLES FROM THE PANEL AND AT THE EQUIPMENT TO ENSURE SAFE REMOVAL.

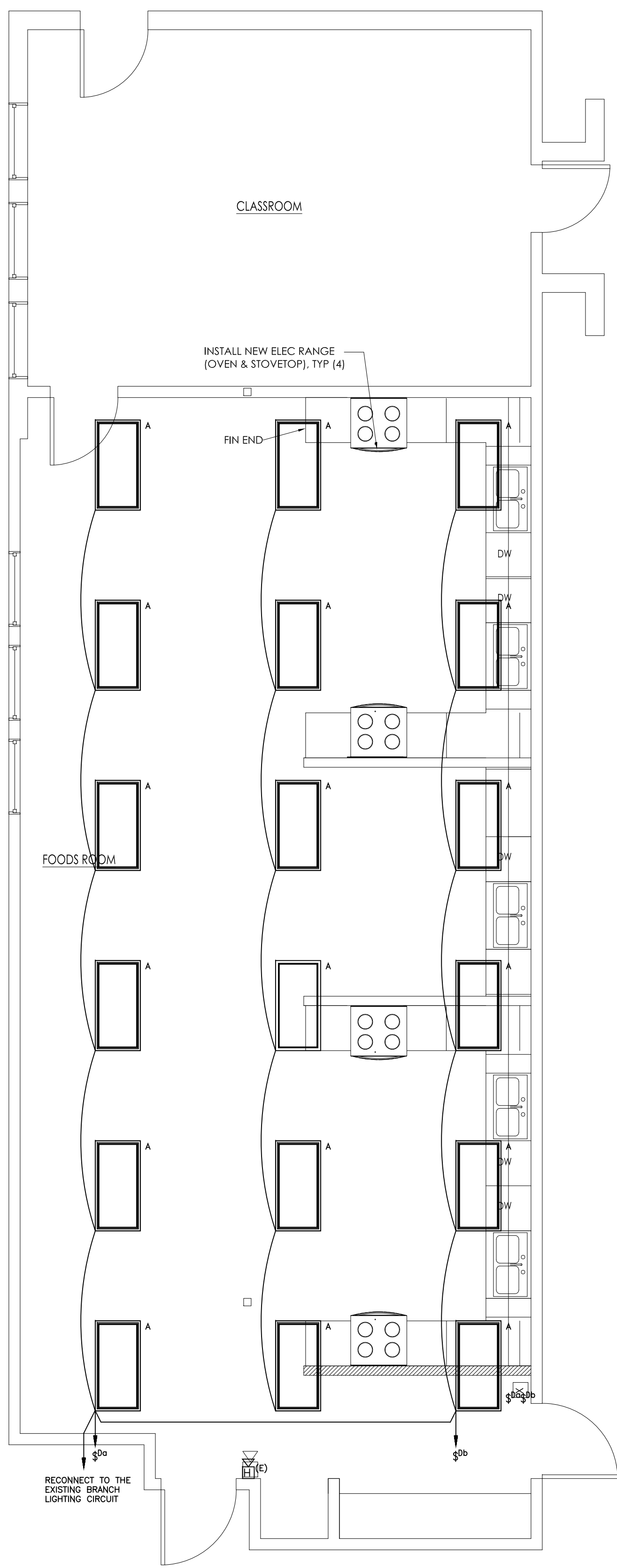
NOTE 3:
IN THE EVENT THAT A DEVICE BEING REMOVED CAUSES ANOTHER DEVICE REMAINING NOT TO OPERATE, IT SHALL BE THIS CONTRACTORS RESPONSIBILITY TO RECONNECT THE EQUIPMENT REMAINING BACK TO ITS SOURCE.

NOTE 4:
(E) EXISTING TO REMAIN
(ER) EXISTING TO BE REMOVED BACK TO ITS SOURCE
(ERR) EXISTING TO BE REMOVED AND REPLACED WITH NEW

SCHEMATIC	05.01.2022
DESIGN DEVELOPMENT	11.14.2022
BID	
PERMIT	
CONSTRUCTION	
EXISTING CONDITIONS	

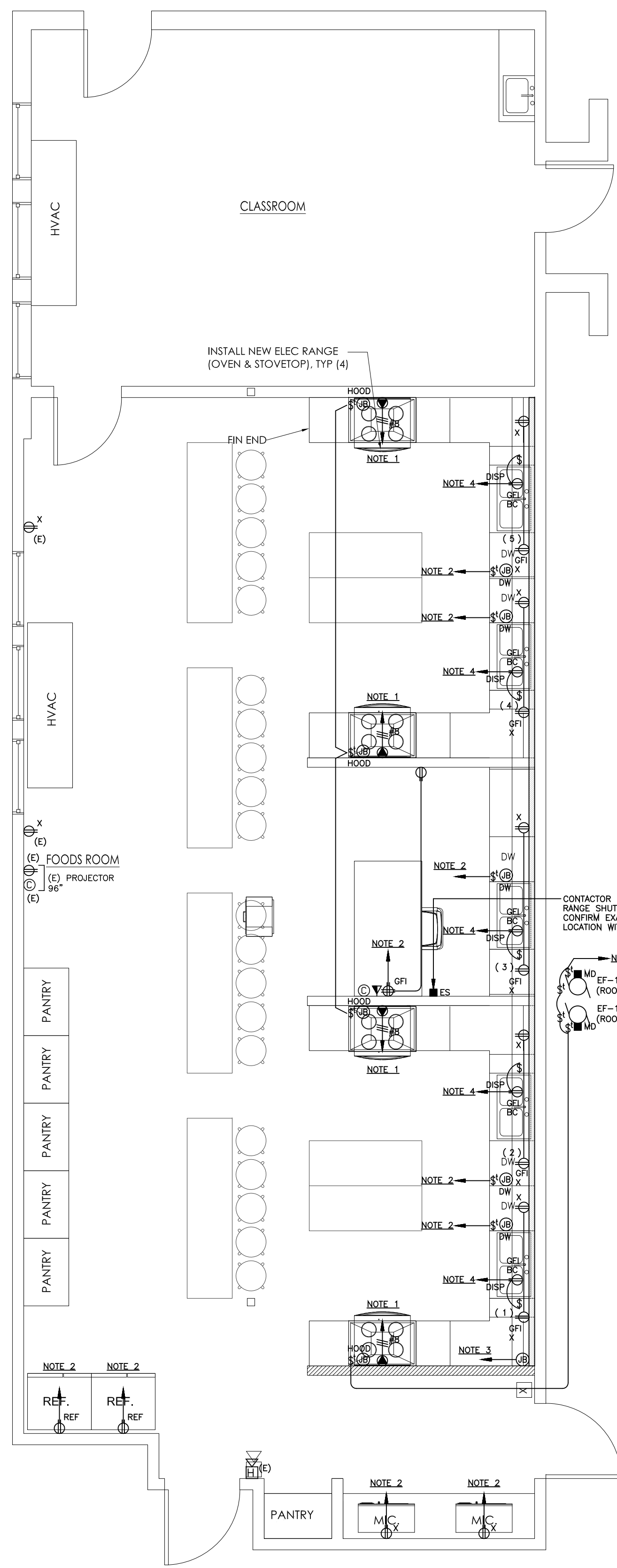
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	REVISION DATE

DATE:	11.14.2022
SCALE:	1/4"=1'-0"
PROJECT:	- -
DRAWN:	AJV
CHECKED:	JDS
PROJECT TITLE:	MILLBURY HIGH SCHOOL FOODS PROGRAM ROOM 12 MARTIN STREET MILLBURY, MA 01527
SHEET TITLE:	PARTIAL FLOOR PLANS - ELECTRICAL DEMOLITION



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

NOTE:
EXIT SIGNS AND EMERGENCY BATTERY UNITS ARE TO BE CONNECTED TO THE LINE SIDE OF THE LOCAL LIGHTING CIRCUIT.



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

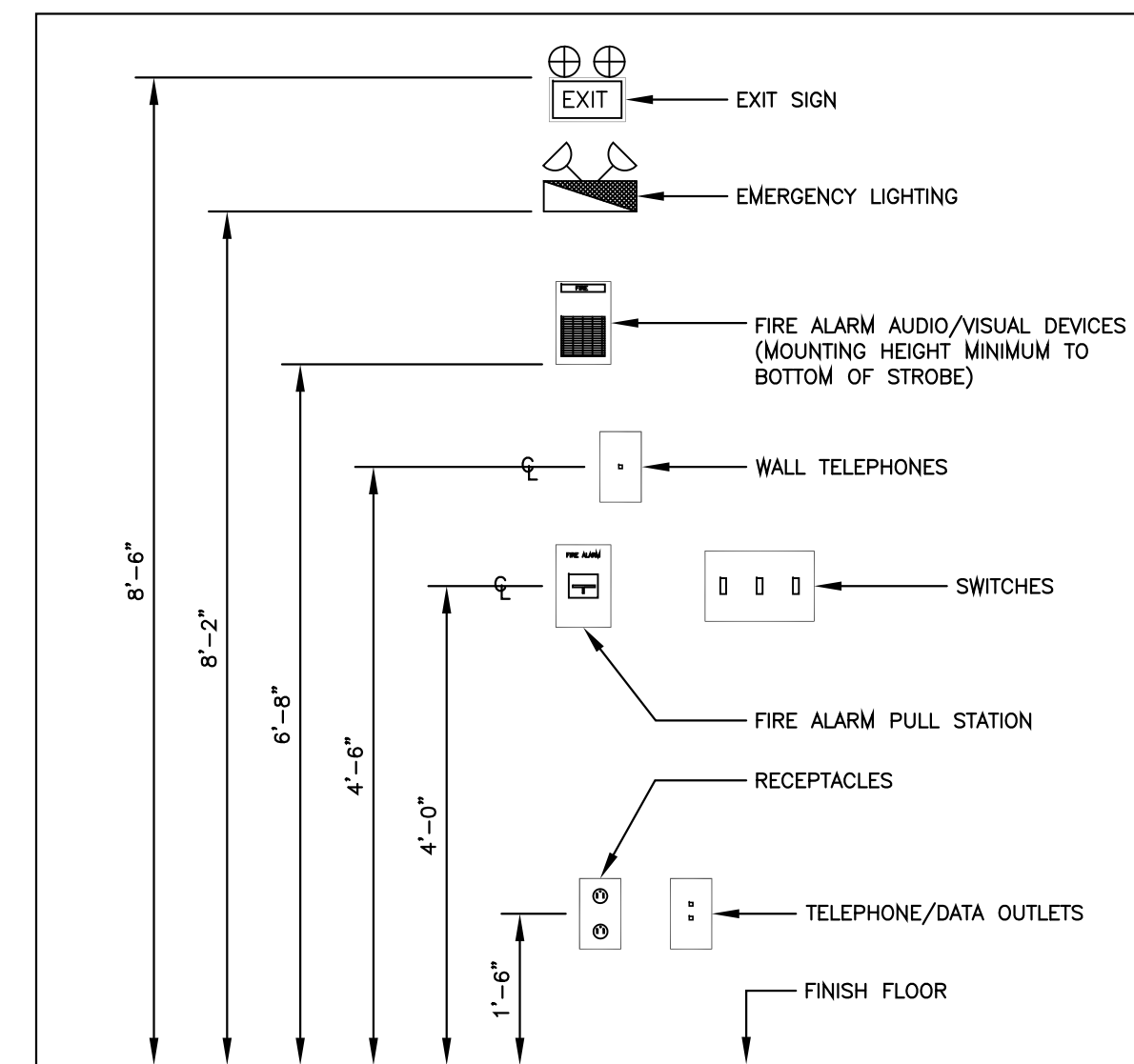
NOTE 1:
THE E.C. SHALL DISCONNECT, REMOVE, AND REPLACE WITH NEW THE EXISTING 50A-2P CIRCUIT BREAKER IN PANEL KP FOR THE RANGE. THE E.C. SHALL FURNISH AND INSTALL A NEW 50A-2P GFCI CIRCUIT BREAKER.

NOTE 2:
THE E.C. SHALL DISCONNECT, REMOVE, AND REPLACE WITH NEW AN EXISTING SPARE 20A-1P CIRCUIT BREAKER IN PANEL KP. THE E.C. SHALL FURNISH AND INSTALL A NEW 20A-1P GFCI CIRCUIT BREAKER.

NOTE 3:
THE E.C. SHALL CONNECT THE NEW 5-CIRCUIT WIREMOLD TO PANEL KP.

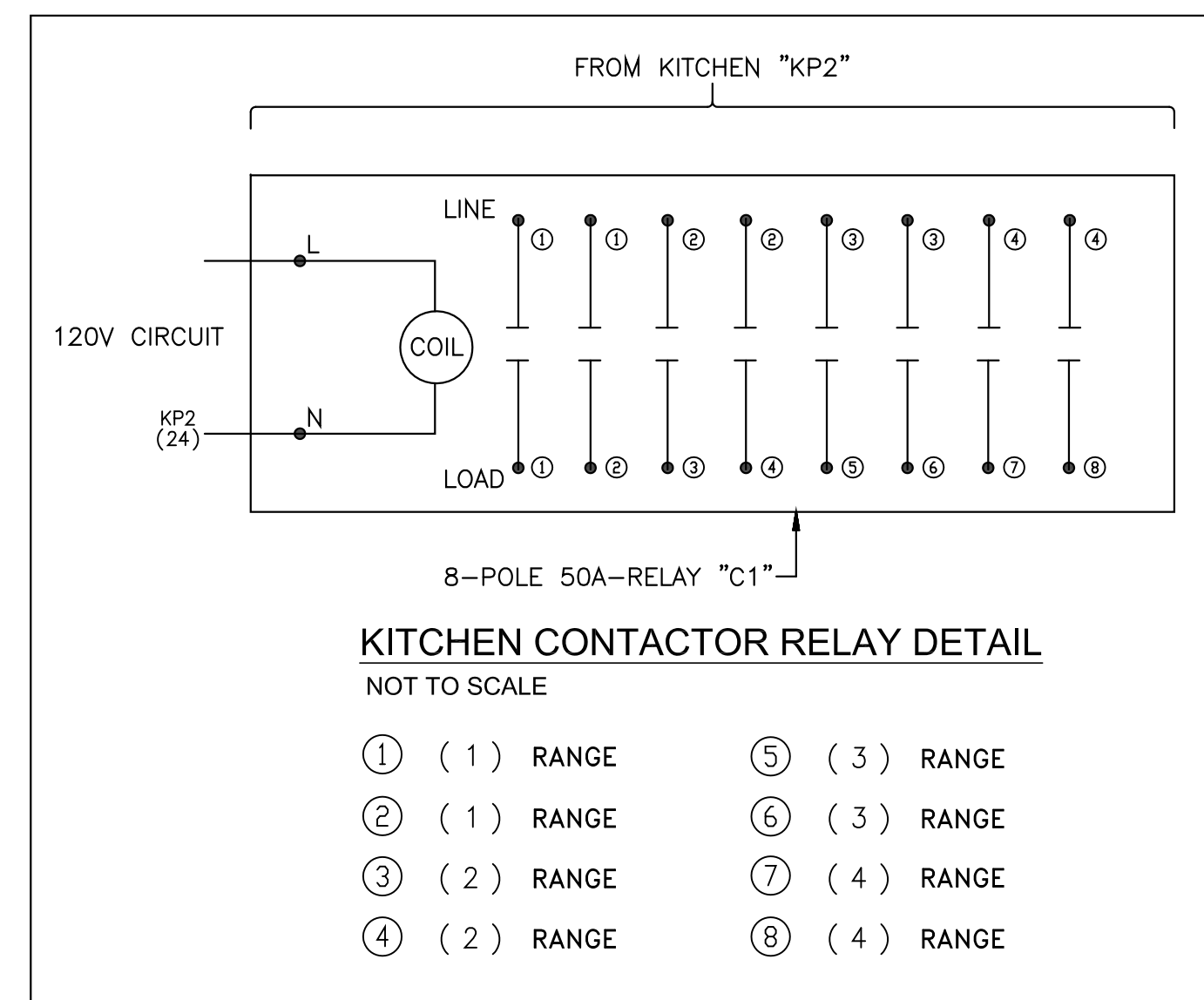
NOTE 4:
THE E.C. SHALL CONNECT TO AN EXISTING SPARE 20A-1P CIRCUIT BREAKER IN PANEL KP.

NOTE 5:
COORDINATE WITH HVAC INSTALLER FOR ALL HOOD CONTROLS, RELAYS, AND INTERLOCKS. ALL HOOD CONTROLS, RELAYS, AND INTERLOCKS TO BE INSTALLED BY HVAC INSTALLER.



DEVICE LOCATION HEIGHTS
NOT TO SCALE

NOTES:
ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM THE FINISH FLOOR TO THE CENTERLINE OF THE DEVICE EXCEPT EXIT SIGNS, CLOCKS, EMERGENCY LIGHTING AND FIRE ALARM A/V DEVICES.
DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED UNLESS OTHERWISE NOTED.
STROBE HEIGHT ILLUSTRATED AT MAXIMUM HEIGHT. STROBE SHALL BE 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER.



KITCHEN CONTACTOR RELAY DETAIL
NOT TO SCALE

- ① (1) RANGE ⑤ (3) RANGE
- ② (1) RANGE ⑥ (3) RANGE
- ③ (2) RANGE ⑦ (4) RANGE
- ④ (2) RANGE ⑧ (4) RANGE

LIGHTING FIXTURE SCHEDULE							
TYPE	MANUFACTURER	CATALOGUE #	LAMPING			MOUNTING	REMARKS
			TYPE	WATTAGE	QUANTITY		
A	METALUX	24FPX-38-L835	LED	29.8W		RECESSED	2X4 FLAT PANEL

NOTE:
FOR FIXTURES WITH 0-10VOLT DIMMING, INSTALL A VIOLET AND GRAY CONTROL CABLE FROM EACH LIGHT FIXTURE TO THE DIMMING CONTROL SWITCH FOR THE 0-10V DIMMING CONTROL.

LIGHTING LEGEND	
	2X4 LIGHT FIXTURE
	SINGLE POLE SWITCH
	DIMMER SWITCH (0-10V RATED)
	THERMAL SWITCH
	WALL-MOUNTED MOTION SENSOR
	CEILING-MOUNTED MOTION SENSOR

POWER LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	GFI RECEPTACLE
	50A-2P RANGE OUTLET
	DISCONNECT SWITCH
	MOTOR
	JUNCTION BOX
	PANEL
	TRANSFORMER
	HOMERUN TO PANEL
	TEL/DATA OUTLET
	PROJECTOR CABLE OUTLET

FIRE ALARM LEGEND	
	HORN/STROBE

ABBREVIATIONS	
WP	WEATHER PROOF
GFI	GROUND FAULT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
A	AMPERE
C	CONDUIT
CB	CIRCUIT BREAKER
FA	FIRE ALARM
RTU	ROOFTOP UNIT
EMT	ELECTRIC METALLIC TUBING
RMC	RIGID METALLIC CONDUIT
EF	EXHAUST FAN
EC	ELECTRICAL CONTRACTOR

ARCHITECT:

DIXON SALO ARCHITECTS INCORPORATED
 300 MAIN STREET, SUITE 200, WORCESTER, MASSACHUSETTS 01604
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ARCHITECT'S STAMP:

ENGINEER:

ENGINEER'S STAMP:

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 WORCESTER, MASSACHUSETTS 01604
 PHONE: (508) 757-7793 • FAX: (508) 753-2309
 REFERENCE NO.: 23007

GENERAL INFORMATION:

NO.	DESCRIPTION	DATE
1	SCHEMATIC	05.01.2022
2	DESIGN DEVELOPMENT	11.14.2022
3	BID	
4	PERMIT	
5	CONSTRUCTION	
6	EXISTING CONDITIONS	

DATE: 11.14.2022
 SCALE: 1/4"=1'-0"
 PROJECT: - -
 DRAWN: AJV
 CHECKED: JDS
 PROJECT TITLE:
 MILLBURY HIGH SCHOOL
 FOODS PROGRAM AREA
 12 MARTIN STREET
 MILLBURY, MA 01527
 SHEET TITLE:
 PARTIAL FLOOR PLANS -
 LIGHTING AND POWER

SHEET NUMBER:
E1.1