

EAST RAMAPO CENTRAL SCHOOL DISTRICT DISTRICT WIDE KITCHEN HOOD REPLACEMENT



ISSUED FOR BID: 05/13/22

CSARCH - ARCHITECTS

BLAKE ENGINEERING PLLC - MEP ENGINEERS

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES – HAZARDOUS MATERIALS

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:
DISTRICT WIDE KITCHEN HOOD REPLACEMENT 50-04-02-06-7-999-005

THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

CSArch PROJECT NO. 209-2003.01

GENERAL DRAWINGS (ALL SCHOOLS - ERSO)

ARCHITECTURAL GENERAL DRAWINGS	
G000	COVER
G001	DETAILS, SYMBOLS, ABBREVIATIONS, AND MISC
PLUMBING GENERAL DRAWINGS	
PG001	PLUMBING NOTES, SCHEDULE, LEGEND & DETAILS
MECHANICAL GENERAL DRAWINGS	
MG001	MECHANICAL NOTES, LEGEND, SCHEDULE, DETAILS
MG002	MECHANICAL SCHEDULES AND DETAILS
ELECTRICAL GENERAL DRAWINGS	
EG001	ELECTRICAL NOTES, LEGEND, DETAILS AND SCHEDULES

HEMPSTEAD ELEMENTARY SCHOOL (HES)

ARCHITECTURAL DRAWINGS	
HES A101	PARTIAL DEMO AND NEW WORK KITCHEN PLANS
PLUMBING DRAWINGS	
HES P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
HES M101	MECHANICAL DEMOLITION PLANS
HES M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
HES E101	ELECTRICAL DEMOLITION PLANS
HES E111	ELECTRICAL PLANS

POMONA MIDDLE SCHOOL (PMS)

ARCHITECTURAL DRAWINGS	
PMS A101	PARTIAL DEMO KITCHEN & BOILER ROOM PLAN
PMS A102	PARTIAL NEW KITCHEN & BOILER ROOM PLAN
PMS A103	PARTIAL ROOF PLAN
PLUMBING DRAWINGS	
PMS P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
PMS M101	MECHANICAL DEMOLITION PLANS
PMS M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
PMS E101	ELECTRICAL DEMOLITION PLANS
PMS E111	ELECTRICAL PLANS

KAKIAT STEAM ACADEMY (KES)

ARCHITECTURAL DRAWINGS	
KES A101	PARTIAL DEMO AND NEW WORK KITCHEN PLANS
KES A102	PARTIAL ROOF PLAN
PLUMBING DRAWINGS	
KES P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
KES M101	MECHANICAL DEMOLITION PLANS
KES M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
KES E101	ELECTRICAL DEMOLITION PLANS
KES E111	ELECTRICAL PLANS

FLEETWOOD ELEMENTARY SCHOOL (FES)

ARCHITECTURAL DRAWINGS	
FES A101	PARTIAL DEMO AND NEW WORK KITCHEN PLANS
FES A102	PARTIAL BASEMENT AND ROOF PLANS
PLUMBING DRAWINGS	
FES P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
FES M101	MECHANICAL DEMOLITION PLANS
FES M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
FES E101	ELECTRICAL DEMOLITION PLANS
FES E111	ELECTRICAL PLANS

SUMMIT PARK ELEMENTARY SCHOOL (SPES)

ARCHITECTURAL DRAWINGS	
SPES A101	PARTIAL DEMO AND NEW WORK KITCHEN PLANS
SPES A102	PARTIAL BASEMENT AND ROOF PLANS
PLUMBING DRAWINGS	
SPES P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
SPES M101	MECHANICAL DEMOLITION PLANS
SPES M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
SPES E101	ELECTRICAL DEMOLITION PLANS
SPES E111	ELECTRICAL DEMOLITION PLANS

GRANDVIEW ELEMENTARY SCHOOL (GES)

ARCHITECTURAL DRAWINGS	
GES A101	PARTIAL DEMO AND NEW WORK KITCHEN PLANS
GES A102	PARTIAL BASEMENT AND ROOF PLANS
PLUMBING DRAWINGS	
GES P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
GES M101	MECHANICAL DEMOLITION PLANS
GES M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
GES E101	ELECTRICAL DEMOLITION PLANS
GES E111	ELECTRICAL PLANS

MARGETTS ELEMENTARY SCHOOL (MES)

ARCHITECTURAL DRAWINGS	
MES A101	PARTIAL KITCHEN AND ROOF PLANS
PLUMBING DRAWINGS	
MES P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
MES M101	MECHANICAL DEMOLITION PLANS
MES M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
MES E101	ELECTRICAL DEMOLITION PLANS
MES E111	ELECTRICAL PLANS

LIME KILN ELEMENTARY SCHOOL (LKES)

ARCHITECTURAL DRAWINGS	
LKES A101	PARTIAL DEMO AND NEW WORK KITCHEN PLANS
LKES A102	PARTIAL SECOND FLOOR AND ROOF PLANS
PLUMBING DRAWINGS	
LKES P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
LKES M101	MECHANICAL DEMOLITION PLANS
LKES M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
LKES E101	ELECTRICAL DEMOLITION PLANS
LKES E111	ELECTRICAL PLANS

ELMWOOD ELEMENTARY SCHOOL (EWES)

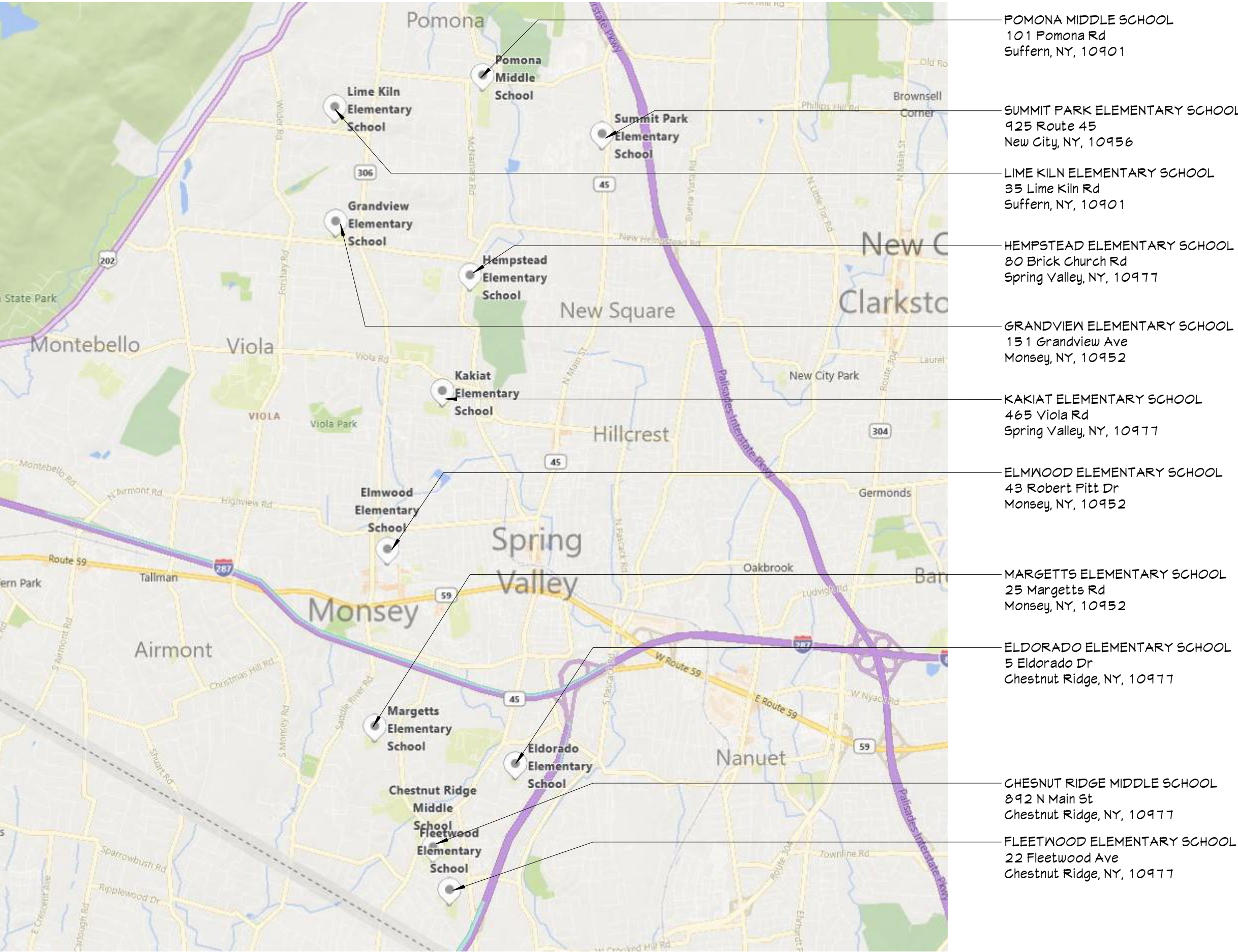
ARCHITECTURAL DRAWINGS	
EWES A101	PARTIAL DEMO AND NEW WORK KITCHEN PLANS
EWES A102	PARTIAL SECOND FLOOR AND ROOF PLANS
PLUMBING DRAWINGS	
EWES P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
EWES M101	MECHANICAL DEMOLITION PLANS
EWES M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
EWES E101	ELECTRICAL DEMOLITION PLANS
EWES E111	ELECTRICAL PLANS

CHESTNUT RIDGE MIDDLE SCHOOL (CRMS)

ARCHITECTURAL DRAWINGS	
CRMS A101	PARTIAL DEMO AND NEW WORK KITCHEN PLANS
CRMS A102	PARTIAL ROOF PLAN
PLUMBING DRAWINGS	
CRMS P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
CRMS M101	MECHANICAL DEMOLITION PLANS
CRMS M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
CRMS E101	ELECTRICAL DEMOLITION PLANS
CRMS E111	ELECTRICAL PLANS

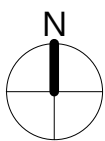
ELDORADO ELEMENTARY SCHOOL (EDES)

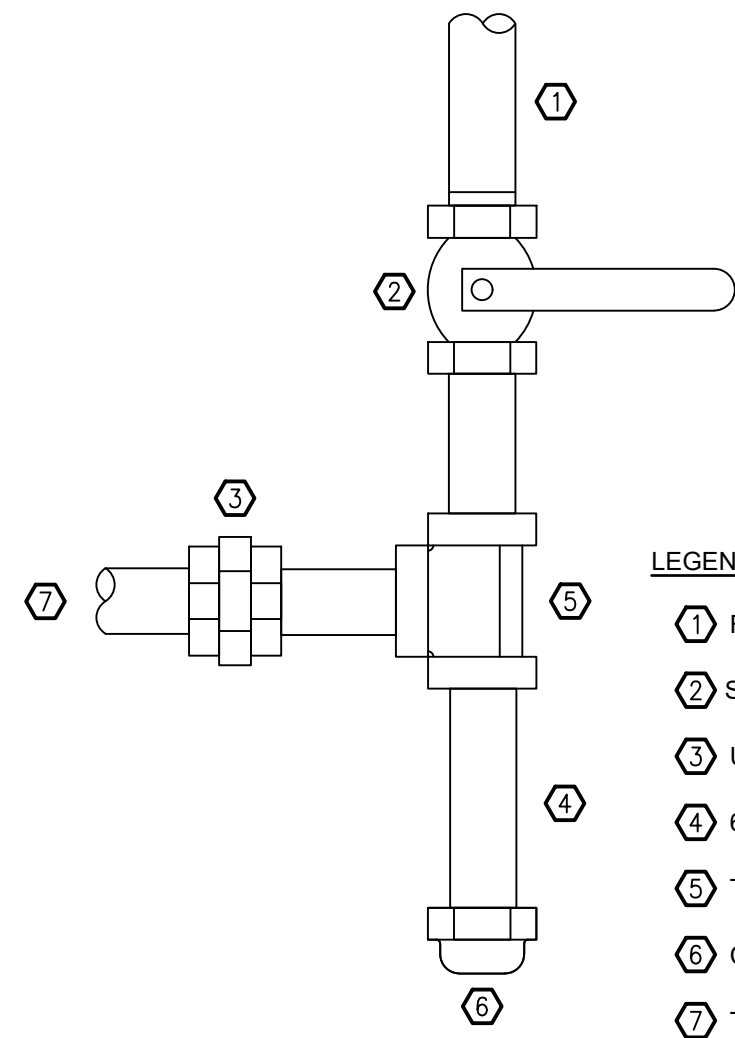
ARCHITECTURAL DRAWINGS	
EDES A101	PARTIAL DEMO AND NEW WORK KITCHEN PLANS
EDES A102	PARTIAL SECOND FLOOR AND ROOF PLANS
PLUMBING DRAWINGS	
EDES P111	PLUMBING PLANS
MECHANICAL DRAWINGS	
EDES M101	MECHANICAL DEMOLITION PLANS
EDES M111	MECHANICAL PLANS
ELECTRICAL DRAWINGS	
EDES E101	ELECTRICAL DEMOLITION PLANS
EDES E111	ELECTRICAL PLANS



VICINITY MAP

NTS

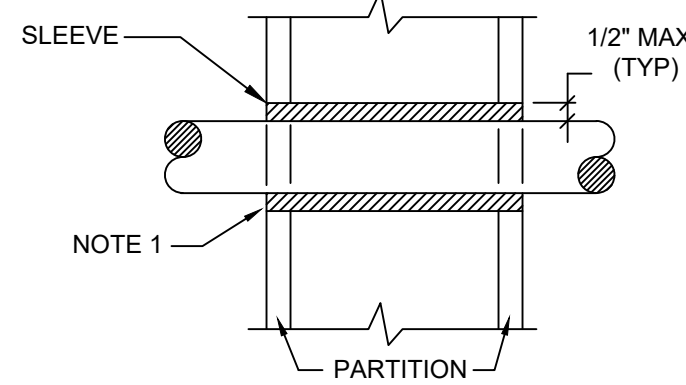




1 Gas Piping Appliance Connection Detail
PG001 N.T.S.

LEGEND

- 1 FROM GAS MAIN.
- 2 SHUT-OFF COCK (TYP.)
- 3 UNION (TYP.)
- 4 6" DIRT LEG. CAP 6" AFF
- 5 TEE
- 6 CAP
- 7 TO GAS APPLIANCE



- NOTES:
1. AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE SAFING INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.
 2. DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

2 Pipe Penetrations Detail
PG001 N.T.S.

HEAVY DUTY
CLEVIS HANGER
(FOR 1/2" UP TO
& INCL. 3" PIPE)

SUPPORT NUT

GALVANIZED
INSULATION
SHIELD 12" LONG.

MIN. 9 lb/cft
DENSITY RIGID
INSULATION AT
SHIELD

ADJUSTABLE HANGER
WITH ROLLER
(FOR 4" TO 6" PIPE)

LOCKING NUT

INSULATION

PIPE

PIPE COVERING
PROTECTION
16 GA SADDLE

NOTES:

1. PIPE 8" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.
2. FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.

PIPE Ø (IN.)	MAX. SPACING BETWEEN HANGERS (FT.)			MIN. ROD SIZE (IN.)
	STEEL PIPE	COPPER PIPE	CPVC	
1/2 THRU 1	7	5	5	3/8
1-1/2 THRU 2	9	8	6	3/8
2-1/2	11	9	7.5	1/2
3	12	10	7.5	1/2
4	14	12	8.5	5/8
6	17	14	9	3/4
8	19	16	10	7/8
10	22	18	10.5	7/8

3 Pipe Hanger Support
PG001 N.T.S.

Plumbing Legend:

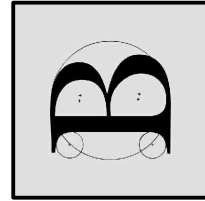
— — — — —	DOMESTIC COLD WATER SUPPLY
— — — — —	110 °F DOMESTIC HOT WATER SUPPLY
— — — — —	140 °F DOMESTIC HOT WATER SUPPLY
— — — — —	HOT WATER RETURN
— — — — —	SANITARY SEWER, ABOVE GRADE
— — — — —	SANITARY SEWER, BELOW GRADE
— — — — —	GREASE WASTE, BELOW GRADE
— — — — —	PLUMBING VENT
— — — — —	STORM WATER, ABOVE GRADE
— — — — —	STORM WATER, BELOW GRADE
— — — — —	NATURAL GAS PIPING
— — — — —	DIRECTION OF PIPE SLOPE (DOWN)
— — — — —	CONCENTRIC REDUCER OR INCREASER
— — — — —	ECCENTRIC REDUCER
— — — — —	TOP CONNECTION, 45° OR 90°
— — — — —	BOTTOM CONNECTION, 45° OR 90°
— — — — —	SIDE CONNECTION
— — — — —	CAPPED OUTLET
— — — — —	RISE OR DROP IN PIPE
— — — — —	UNION
— — — — —	PIPE UP
— — — — —	PIPE DOWN
— — — — —	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
— — — — —	STRAINER
— — — — —	HOSE BIB
— — — — —	SOLENOID VALVE
— — — — —	GATE VALVE
— — — — —	GLOBE VALVE
— — — — —	CHECK VALVE
— — — — —	BUTTERFLY VALVE
— — — — —	FULL PORT BALL VALVE
— — — — —	PRESSURE GAUGE
— — — — —	PRESSURE REDUCING VALVE (PRV)
— — — — —	DRAIN VALVE
— — — — —	FLEXIBLE PIPING CONNECTION
— — — — —	CLEANOUT
— — — — —	WALL CLEANOUT
— — — — —	FLOOR CLEANOUT
— — — — —	CLEANOUT TO GRADE
— — — — —	DOUBLE CLEANOUT TO GRADE
— — — — —	PLUMBING FIXTURE MARK

Plumbing Notes:

1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
4. ALL CUTTINGS, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
5. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
6. ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 PLUMBING CODE OF NEW YORK STATE, 2020 FUEL GAS CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
7. WHERE THE PROJECT INVOLVES A GAS SERVICE, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL GAS UTILITY COMPANY. ALL WORK INVOLVING THE GAS UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
8. ALL DOMESTIC COLD AND HOT WATER PIPING AND FITTINGS ARE TO BE INSULATED WITH 1" THICK RIGID ONE-PIECE MOLDED SECTIONAL FIBERGLASS PIPE COVERING WITH UNIVERSAL JACKET. ALL JOINTS ARE TO BE COMPLETELY SEALED A MINIMUM OF 6" BEYOND JOINT ENDS.
9. ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
10. ALL EXPOSED PIPING, FITTINGS, TRAPS, ESCUTCHEONS, VALVES, ETC. SHALL BE CHROME PLATED.
11. SLOPE SANITARY DRAINAGE PIPING 2" DIAMETER AND SMALLER NOT LESS THAN 1/4" PER FOOT. SLOPE SANITARY DRAINAGE PIPING OVER 2" DIAMETER NOT LESS THAN 1/8" PER FOOT.
12. INSTALL A CLEANOUT AT THE BASE OF EACH SOIL STACK, AT EACH CHANGE IN DIRECTION, AT INTERVALS NOT OVER 50 FEET AND ELSEWHERE AS SHOWN ON DRAWINGS OR REQUIRED BY CODE.
13. PROVIDE EXPOSED PIPING WITH CHROME PLATED CAST BRASS ESCUTCHEON WITH SET SCREW WHERE PENETRATING FLOORS, CEILINGS, WALLS OR PARTITIONS.
14. TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND/OR AS SPECIFIED. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED.
- 14.1. WATER & GAS PIPING TO BE AIR-PRESSURE TESTED TO 1-1/2 TIMES MAXIMUM WORKING PRESSURE.
- 14.2. DRAINAGE, WASTE & VENT PIPING TO BE TESTED BY FILLING THE SYSTEM WITH WATER TO 10-FEET ABOVE HIGHEST POINT.
15. SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
16. INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
17. INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING SYSTEM.
18. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
19. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
20. CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE ENGINEER AT THE END OF THE PROJECT. AS-BUILT PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.

19 Front St., Newburgh, New York 12550-7601
845-561-3179 www.csarchpc.com

Consultant



BLAKE ENGINEERING, P.L.L.C.
A PROFESSIONAL CORPORATION

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
MULTIPLE SCHOOL BUILDINGS

Project Title



DATE	DESCRIPTION

Drawn By:	BK
Checked By:	MCB
Proj. #:	59-04-02-067-999-005
CSArch Proj. #:	209-2003.01
Issued for Bid:	05/13/23

Sheet Title
PLUMBING
NOTES,
SCHEDULE,
LEGEND &
DETAILS

Sheet No.
ERCSD
PG001

THICKNESS & REINFORCING SCHEDULE - * LOW PRESSURE DUCTWORK						
* NOTE: LOW PRESSURE DUCTWORK SHALL BE DUCTWORK IN WHICH THE PRESSURE DOES NOT EXCEED 2" WATER GAUGE.						
GREATEST DUCT DIMENSION	STEEL DUCTS U.S. STANDARD GAUGE	ALUMINUM DUCTS B & S GAUGE	LONGITUDINAL SEAM	TRANSVERSE JOINT SMALLEST DIMENSION	TRANSVERSE JOINT GREATEST DIMENSION	REINFORCING (ALL DUCTS 18" THRU 54" SHALL BE CROSSBROKEN)
12" OR LESS	26	24(0.020")	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
13" THRU 18"	24	22(0.025")	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
19" THRU 30"	24	22(0.025")	PITTSBURGH OR ACME LOCK	HEM'D "S" SLIP OR BAR SLIP OR DRIVE SLIP OR 1" POCKET LOCK	HEM'D "S" SLIP OR BAR SLIP OR 1" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
31" THRU 42"	22	20(0.032")	PITTSBURGH OR ACME LOCK	DRIVE SLIP 18" OR LESS BAR SLIP REINFORCED BAR SLIP OR POCKET LOCK	BAR SLIP OR REINFORCED BAR SLIP OR POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
43" THRU 54"	22	20(0.032")	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
55" THRU 60"	20	18(0.040")	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
61" THRU 84"	20	18(0.040")	PITTSBURGH LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCE ALL SIDES OVER 60" WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. SIDES UNDER 60" NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 4'-0" CENTERS.
85" THRU 96"	18	16(0.051") (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	1 1/2" COMPANION ANGLES, OR ANGLE REINFORCED POCKET LOCK, OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	1 1/2" COMPANION ANGLES, OR ANGLE REINFORCED POCKET LOCK, OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 84" WITH 1 1/2"x1 1/2"x3/16" ANGLES ON 2'-0" CENTERS. SIDES 81" THRU 84" REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. SIDES 60" OR LESS NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 4'-0" CENTERS.
OVER 96"	18	16(0.051") (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR 2"x2"x1/4" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR 2"x2"x1/4" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 96" WITH 2"x2"x1/4" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 85" THRU 96" WITH 1 1/2"x1 1/2"x3/16" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 60" THRU 84" WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES UNDER 60" WITH 1 1/2"x1 1/2"x1/8" ANGLES IF JOINTS ARE 8'-0" ON CENTER. NO REINFORCING IF JOINTS ARE 4'-0" ON CENTER.
<div><div><div></div><div>PITTSBURGH LOCK</div></div><div><div></div><div>ACME LOCK</div></div><div><div></div><div>DRIVE SLIP</div></div><div><div></div><div>POCKET LOCK</div></div><div><div></div><div>BAR SLIP</div></div><div><div></div><div>HEM'D "S" SLIP</div></div><div><div></div><div>REINFORCED BAR SLIP</div></div><div><div></div><div>ANGLE SLIP</div></div><div><div></div><div>ALTERNATE BAR SLIP</div></div><div><div></div><div>ANGLE REINFORCED POCKET LOCK</div></div><div><div></div><div>COMPANION ANGLES</div></div><div><div></div><div>PLAIN "S" SLIP</div></div><div><div></div><div>STANDING SEAM</div></div><div><div></div><div>ANGLE REINFORCED STANDING SEAM</div></div></div> <div>ANGLES TO BE THE SAME SIZE AS REQUIRED REINFORCING ANGLES</div> <div>ANGLES TO BE THE SAME SIZE AS REQUIRED REINFORCING ANGLES</div> <div>CAULK OR GASKET</div> <div>ANGLES TO BE THE SAME SIZE AS REQUIRED REINFORCING ANGLES</div> <div>STANDARD RADIUS OR LONG RADIUS ELBOW</div> <div>SHORT RADIUS ELBOW WITH ONE VANE</div> <div>SHORT RADIUS ELBOW WITH TWO VANES</div> <div>TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT PLAN OR SIDE VIEW</div> <div>TYPICAL DUCTWORK TRANSITION PLAN OR SIDE VIEW</div>						

NOTE:

- THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
- ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.



Ductwork Radius Elbow Detail
N.T.S.



Ductwork Transition Detail
N.T.S.

NOTE: UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

AIR GRILLE/DIFFUSER SCHEDULE													
EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	AIR DEVICE TYPE	AIRFLOW (CFM)		MAX AIR PRESS. DROP (IN. W.C.)	MOUNTING	PANEL/FRAME SIZE (IN.)	NECK SIZE (IN.)	MAX NC	DAMPER	FINISH	NOTES
				MIN.	MAX.								
T-1	KRUEGER	S80P-20x20-F23-24x24-00-00-00-44	PERFORATED FACE RETURN GRILLE	0	1,600	0.10	LAY-IN	24"x24"	20"x20"	25	-	WHITE	FURNISH & INSTALL FULL-SIZE SHEET METAL PLENUM BOX ON REAR OF GRILLE. PAINT INSIDE FLAT BLACK

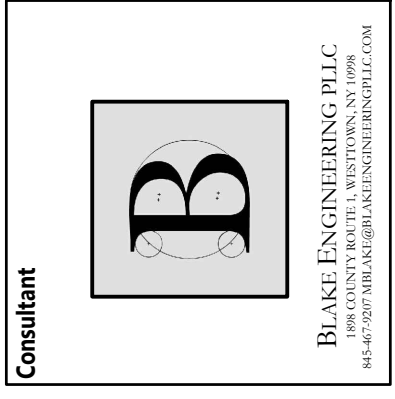
Mechanical Legend :

		SUPPLY DUCT (UP & DOWN)
		EXHAUST DUCT (UP & DOWN)
		RETURN DUCT (UP & DOWN)
		ROUND AND SQUARE 4-WAY CEILING DIFFUSERS
		SQUARE 3-WAY CEILING DIFFUSERS
		SQUARE 2-WAY CEILING DIFFUSERS
		SQUARE 1-WAY CEILING DIFFUSERS
		LINEAR SLOT DIFFUSER
		SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
		EXHAUST OR RETURN CEILING REGISTER OR GRILLE
		EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE (WALL TYPE)
		EXHAUST OR RETURN REGISTER OR TOP GRILLE (WALL TYPE)
		VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF
		MANUAL SPLITTER DAMPER
		STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
		VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
		VANED ELBOW (SHORT RADIUS)
		STANDARD RADIUS ELBOW (LONG RADIUS); INSIDE RADIUS R TO BE EQUAL TO OR GREATER THAN W
		NEW DUCT (INSIDE DIMENSIONS: WIDTH x DEPTH)
		FLEXIBLE DUCTWORK (INSULATED)
		MANUAL VOLUME DAMPER
		FIRE DAMPER
		COMBINATION FIRE SMOKE DAMPER
		DUCT SMOKE DETECTOR
		TERMINAL UNIT TAG AIRFLOW (CUBIC FEET PER MINUTE)
		NATURAL GAS PIPING
		CONCENTRIC REDUCER OR INCREASER
		ECCENTRIC REDUCER
		TOP CONNECTION, 45° OR 90°
		BOTTOM CONNECTION, 45° OR 90°
		SIDE CONNECTION
		CAPPED OUTLET
		RISE OR DROP IN PIPE
		UNION
		PIPE UP
		PIPE DOWN
		POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
		3-WAY MODULATING CONTROL VALVE
		CHECK VALVE
		PRESSURE REDUCING VALVE (PRV)
		FULL PORT BALL VALVE
		MANUAL BALANCE VALVE (CIRC. SETTER)
		AUTOMATIC BALANCE VALVE (FLO-SETTER)
		FLEXIBLE PIPING CONNECTION
		WYE STRAINER W/ VALVE & HOSE CONN.
		INLINE PUMP
		THERMOMETER
		PRESSURE GAUGE
		TEMPERATURE & PRESSURE GAUGE
		DRAIN VALVE
		PRESSURE RELIEF VALVE

Mechanical Notes:

- ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
- THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
- ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
- THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATIONS OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
- ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 MECHANICAL CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
- ALL HYDRONIC HOT WATER PIPING AND FITTINGS ARE TO BE INSULATED WITH A MINIMUM OF R-3 INSULATION. ALL JOINTS ARE TO BE COMPLETELY SEALED A MINIMUM OF 8" BEYOND JOINT ENDS.
- ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
- ALL PIPING SHALL BE PITCHED SUCH THAT AIR IN THE SYSTEM CAN BE VENTED THROUGH MANUAL AIR VENTS.
- TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS TO TWICE THE SYSTEM WORKING PRESSURE. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED.
- SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
- INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
- INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING SYSTEM. INSTALL MANUAL AIR VENT VALVE FACILITIES AT THE TOP OF ALL RISERS AND AT HIGH POINTS OF THE PIPING SYSTEM.
- INSTALL ALL HYDRONIC PIPING AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
- THE ENTIRE HYDRONIC SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED WATER FLOWRATE REQUIREMENTS. A CERTIFIED BALANCING REPORT AND VERIFICATION IS TO BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.
- ALL DUCTWORK IS TO BE CONSTRUCTED OF GALVANIZED SHEET STEEL (EXCEPT WHERE OTHERWISE SPECIFIED) WITH GAUGES, BRACING AND CONSTRUCTION IN ACCORDANCE WITH THE LATEST SMACNA DUCT MANUAL STANDARDS AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
- PROVIDE MANUAL DAMPERS AT EACH SPLIT OR TAP CONNECTION TO TRUNK DUCTS FOR BALANCING PURPOSES WHETHER OR NOT SPECIFICALLY SHOWN ON DRAWINGS. EACH DAMPER SHALL BE OF THE OPPOSED BLADE DAMPER TYPE INSTALLED WITH AN OPERATOR AND LOCKING DEVICE. ALL DAMPERS LOCATED ABOVE HARD OR INACCESSIBLE CEILINGS SHALL BE INSTALLED WITH REMOTE GEAR OPERATORS.
- FURNISH & INSTALL FUSIBLE LINK FIRE DAMPERS AT ALL LOCATIONS WHERE DUCT PENETRATES FIRE-RATED FLOOR OR CEILING ASSEMBLY WHETHER OR NOT SPECIFICALLY SHOWN. INSTALL DUCTWORK CASING ACCESS DOORS AND FRAMES AHEAD OF EACH FIRE DAMPER FOR INSPECTION AND MAINTENANCE. DOORS SHALL BE A MINIMUM OF 20 GA. DOUBLE PANEL INSULATED TYPE.
- INSTALL TURNING VANES ON ALL RECTANGULAR TURNS. TURNING VANES SHALL BE DOUBLE THICKNESS TYPE CONSTRUCTED IN ACCORDANCE WITH SMACNA MANUAL.
- ROUND SHEET STEEL ELBOWS ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL SUPPLY AIR DIFFUSERS. SHEET STEEL PLENUM BOXES ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL RETURN AND EXHAUST AIR GRILLES. THE CONTRACTOR IS TO PAINT THE INSIDE OF THE SHEET STEEL PLENUM BOXES FLAT BLACK.
- ALL SUPPLY AND RETURN DUCTWORK LOCATED IN UNCONDITIONED SPACES OR ABOVE CEILINGS SHALL BE INSULATED WITH A MINIMUM OF R-5 INSULATION. ALL DUCTWORK LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE INSULATED WITH A MINIMUM OF R-8 INSULATION. INSULATION SHALL BE FIBERGLASS DUCT WRAP WITH VAPOR SEAL SECURELY TAPPED AROUND DUCT. IF DUCT LINING IS TO BE USED, ALL DUCT SIZES SHOWN SHALL BE CONSIDERED TO BE INSIDE CLEAR DIMENSIONS.
- INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
- THE ENTIRE AIR DISTRIBUTION SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED AIRFLOW REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
- CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE ENGINEER AT THE END OF THE PROJECT. AS-BUILT PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.

19 Front St., Newburgh, New York 12550-7601
845-561-3779 www.csarchp.com



**EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
MULTIPLE SCHOOL BUILDINGS**

Project Title



DATE	DESCRIPTION

Drawn By: MGB
Checked By: MGB
Proj. #: 50-04-02-067-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

Sheet Title
**MECHANICAL
NOTES, LEGEND,
SCHEDULE &
DETAILS**

Sheet No.
**ERCSD
MG001**

CONSTRUCTION DOCUMENTS

KITCHEN HOOD SCHEDULE																								
BUILDING	MANUFACTURER	MODEL	HOOD DIMENSIONS			HOOD MATERIAL & FINISH	BOTTOM EDGE TYPE	LIGHTS			FACTORY CUT EXHAUST OPENING				FILTERS				SWITCHES			HOOD OPTIONS		
			L	W	H			TYPE	QTY	LENGTH	U	X	Y	Z	TYPE	MATERIAL	16"x16"	16"x20"	16"x25"	LIGHTS QTY	FAN QTY		VOLTAGE	
CHESTNUT RIDGE MIDDLE SCHOOL	KEES	KB	15'-0"	11'-0"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	6	36"	DEPENDENT ON FIELD CONDITIONS. MAINTAIN 1500-2300 FPM DUCT VELOCITY.					BAFFLE	ALUM	8	-	-	1	1	24VAC	1, 2, 3, 5
ELDORADO ELEMENTARY SCHOOL	KEES	KA	11'-6"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	3	24"						BAFFLE	ALUM	1	5	1	1	1	24VAC	1, 2, 3, 5
ELMWOOD ELEMENTARY SCHOOL	KEES	KA	11'-6"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	3	24"						BAFFLE	ALUM	1	5	1	1	1	24VAC	1, 2, 3, 5
FLEETWOOD ELEMENTARY SCHOOL	KEES	KA	8'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	2	24"						BAFFLE	ALUM	3	-	2	1	1	24VAC	1, 2, 4, 5
GRANDVIEW ELEMENTARY SCHOOL	KEES	KA	8'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	2	24"						BAFFLE	ALUM	3	-	2	1	1	24VAC	1, 2, 4, 5
HEMPSTEAD ELEMENTARY SCHOOL	KEES	KA	8'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	2	24"						BAFFLE	ALUM	3	-	2	1	1	24VAC	1, 2, 3, 5
KAKIAT ELEMENTARY SCHOOL	KEES	KB	10'-0"	10'-0"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	4	36"						BAFFLE	ALUM	4	4	4	1	1	24VAC	1, 2, 3, 5
LIME KILN ELEMENTARY SCHOOL	KEES	KA	11'-6"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	3	24"						BAFFLE	ALUM	1	5	1	1	1	24VAC	1, 2, 4, 5
MARGETTS ELEMENTARY SCHOOL	KEES	KA	12'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	3	24"						BAFFLE	ALUM	1	4	2	1	1	24VAC	1, 2, 3, 5
POMONA MIDDLE SCHOOL	KEES	KA	14'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	3	36"						BAFFLE	ALUM	-	6	2	1	1	24VAC	1, 2, 3, 5
SUMMIT PARK ELEMENTARY SCHOOL	KEES	KA	8'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	2	24"						BAFFLE	ALUM	3	-	2	1	1	24VAC	1, 2, 4, 5

1. 12" DEEP FIRE SUPPRESSION CABINET INSTALLED AT END OF HOOD; ADDS 12" TO THE L DIMENSION SCHEDULED.

2. FACTORY PRE-PIPED AMERX FIRE SUPPRESSION SYSTEM WITH FINAL HOOK-UP & CERTIFICATION COORDINATED BY VENDOR.

3. 304 STAINLESS STEEL CLOSURE PANELS
4. HOOD HEIGHT EXTENDS ABOVE CEILING; CONTRACTOR TO MAINTAIN CLEARANCE TO COMBUSTIBLE MATERIALS.

5. FACTORY MOUNTED FAN SWITCH CIRCUIT TO BE 24V FOR INTERLOCK WITH MOTOR STARTER BY OTHERS.

FAN SCHEDULE																						
EQUIPMENT TAG	BUILDING	SERVICE	MANUFACTURER	MODEL	TYPE	DRIVE	FAN C.F.M.	R.P.M.	EXTERNAL STATIC PRESSURE INCH H ₂ O	MOTOR					SONES	WEIGHT (LBS)	REMARKS					
										POWER (HP)	FLA	VOLT.	PHASE	HZ								
EF-CRMS	CHESTNUT RIDGE MIDDLE SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-27	CENTRIFUGAL UPBLAST	BELT	8160	727	0.70	2	-	208	3	60	18.4	461	6, 10, 11, 12, 13, 14, 15					
EF-EDES	ELDORADO ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-16	CENTRIFUGAL UPBLAST	BELT	3130	1359	0.75	3/4	-	208	3	60	15.5	165	2, 8, 11, 12, 13, 14, 15					
EF-EWES	ELMWOOD ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-16	CENTRIFUGAL UPBLAST	BELT	3130	1359	0.75	3/4	-	208	3	60	15.5	165	2, 8, 11, 12, 13, 14, 15					
EF-FES	FLEETWOOD ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-14	CENTRIFUGAL UPBLAST	BELT	2180	1406	0.72	3/4	-	208	3	60	12.4	141	1, 7, 11, 12, 13, 14, 15					
EF-GES	GRANDVIEW ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-14	CENTRIFUGAL UPBLAST	BELT	2180	1406	0.72	3/4	-	208	3	60	12.4	141	1, 7, 11, 12, 13, 14, 15					
EF-HES	HEMPSTEAD ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-14	CENTRIFUGAL UPBLAST	BELT	2180	1406	0.72	3/4	-	208	3	60	12.4	141	1, 7, 11, 12, 13, 14, 15					
EF-KES	KAKIAT ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-22	CENTRIFUGAL UPBLAST	BELT	5440	903	0.72	2	-	208	3	60	13.3	225	5, 9, 11, 12, 13, 14, 15					
EF-LKES	LIME KILN ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-16	CENTRIFUGAL UPBLAST	BELT	3130	1359	0.75	3/4	-	208	3	60	15.5	165	2, 8, 11, 12, 13, 14, 15					
EF-MES	MARGETTS ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-18	CENTRIFUGAL UPBLAST	BELT	3265	1055	0.71	1	-	208	3	60	14.2	222	3, 9, 11, 12, 13, 14, 15					
EF-PMS	POMONA MIDDLE SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-20	CENTRIFUGAL UPBLAST	BELT	3810	977	0.71	1	-	208	3	60	14.4	225	4, 9, 11, 12, 13, 14, 15					
EF-SPES	SUMMIT PARK ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-14	CENTRIFUGAL UPBLAST	BELT	2180	1406	0.72	3/4	-	208	3	60	12.4	141	1, 7, 11, 12, 13, 14, 15					

1. DP STXB14 3/4 HP 1376-1575 RPM (5/8)

2. DP STXB16 3/4 HP 1201-1400 RPM (5/8)

3. DP STXB18 1 HP 1051-1200 RPM (7/8)

4. DP STXB20 1 HP 851-1000 RPM (7/8)

5. DP STXB22 2 HP 851-1000 RPM (7/8)

6. DP STXB27 2 HP 651-750 RPM (7/8)

7. GALV RESTAURANT CURB, TYPE SF (NON CANT) 18.5"x18.5", 24" HIGH, 4 VENTS, OMIT INSULATION AND RETAINER (GSF 18.5N24 4V OI)

8. GALV RESTAURANT CURB, TYPE SF (NON CANT) 22.5"x22.5", 24" HIGH, 4 VENTS, OMIT INSULATION AND RETAINER (GSF 22.5N24 4V OI)

9. GALV RESTAURANT CURB, TYPE SF (NON CANT) 28.5"x28.5", 24" HIGH, 4 VENTS, OMIT INSULATION AND RETAINER (GSF 28.5N24 4V OI)

10. GALV RESTAURANT CURB, TYPE SF (NON CANT) 34.5"x34.5", 24" HIGH, 4 VENTS, OMIT INSULATION AND RETAINER (GSF 34.5N24 4V OI)

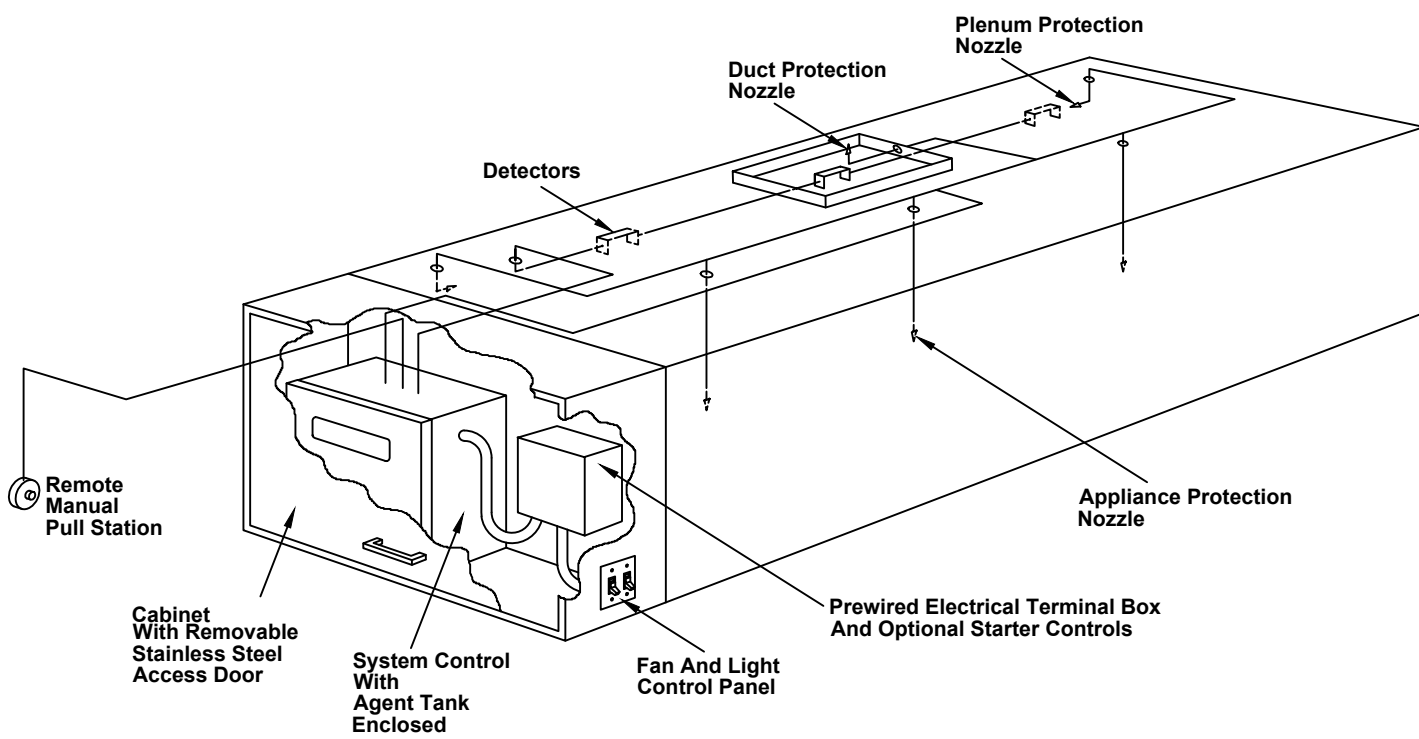
11. GREASE GRABBER ASSEMBLY TXB/TXD

12. HINGE KIT STXB/STXD/SDB/SDSD

13. METAL FAN TAG

14. FACTORY MOUNTED & WIRED DISCONNECT SWITCH FOR DB/TXB

15. NEMA 3-3-PHASE 208V-480V SWISSKY COVER & SWITCH ONLY



System Components

- Regulated Release Mechanism - actuates system and shuts down cooking equipment fuel supply and supply fan.
- Agent Tank - R-102 Tank contains liquid fire suppression agent.
- Detection System - consists of fusible links selected for the application and hardware to connect them to the regulated release mechanism.
- Discharge Nozzles - chosen and placed in the hood according to the application, they direct the fire suppression agent to the plenum, exhaust duct and cooking equipment.
- Fuel & Equipment Shutoff Devices - mechanical or electrical solenoid gas valve and double pole, double throw micro switch.
- Remote Pull Station - allows for manual actuation of the system and is located at the exit point of the kitchen.
- Self-Contained System - cabinet constructed of the hood material is attached to either side of the hood as specified. It is depicted above with the included and the optional components shown inside.

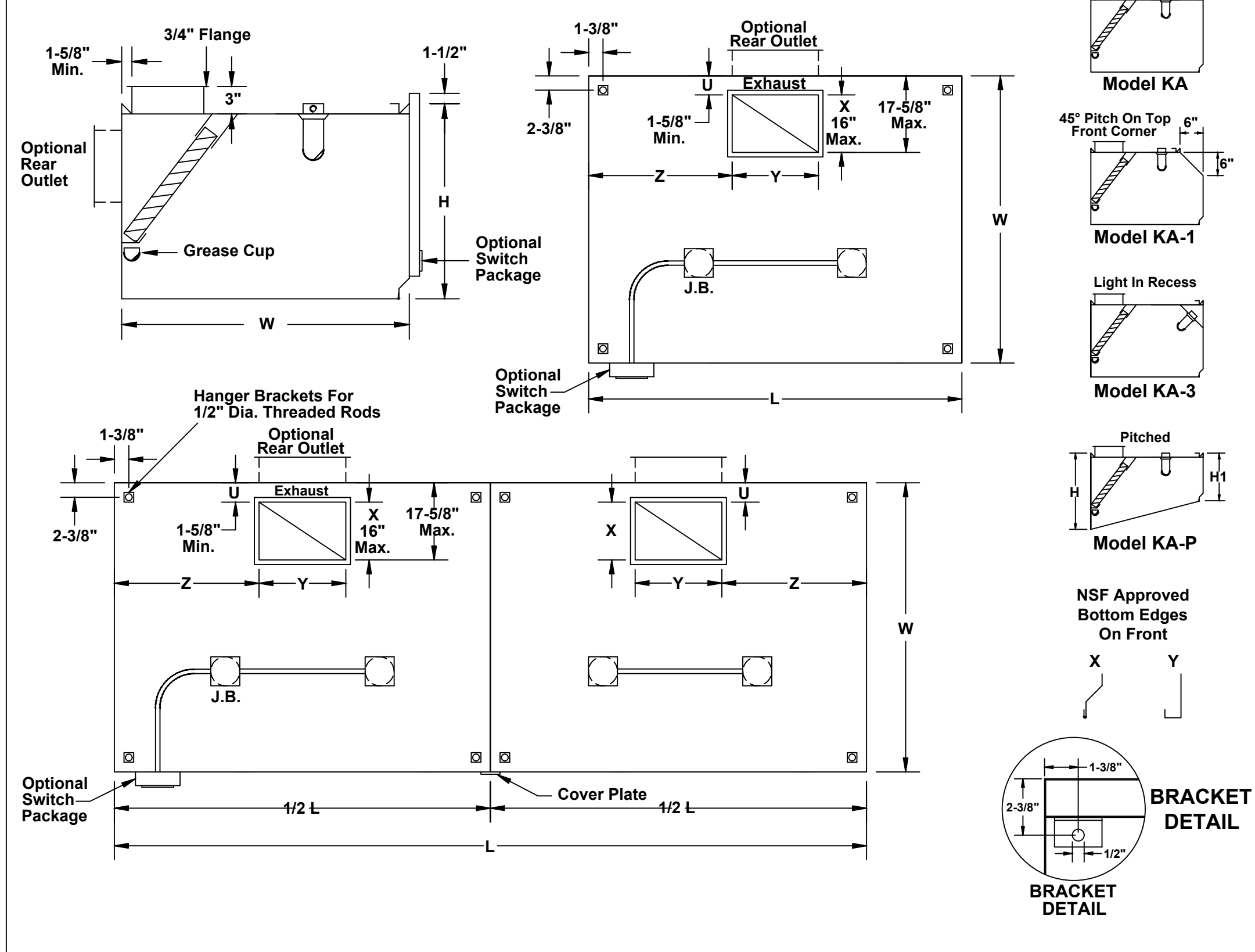
1 Kitchen Hood Fire Suppression System Detail

MG002 N.T.S.

Kitchen Exhaust Hood Notes:

- ALL GREASE DUCTS SHALL BE CONSTRUCTED OF BLACK STEEL NOT LESS THAN 0.055 INCH (NO. 16 GAGE) IN THICKNESS OR STAINLESS STEEL NOT LESS THAN 0.044 INCH (NO. 18 GAGE) IN THICKNESS.
- JOINTS, SEAMS AND PENETRATIONS OF GREASE DUCTS SHALL BE MADE WITH A CONTINUOUS LIQUID-TIGHT WELD OR BRAZE MADE ON THE EXTERNAL SURFACE OF THE DUCT SYSTEM.
- A VIBRATION ISOLATION CONNECTOR CONNECTING THE DUCT TO THE FAN SHALL CONSIST OF NONCOMBUSTIBLE PACKING IN A METAL SLEEVE JOINT OF APPROVED DESIGN OR SHALL BE A COATED-FABRIC FLEXIBLE DUCT CONNECTOR LISTED AND LABELED FOR THE APPLICATION. VIBRATION ISOLATION CONNECTORS SHALL BE INSTALLED ONLY AT THE CONNECTION OF A DUCT TO A FAN INLET OR OUTLET.
- PRIOR TO THE USE OR CONCEALMENT OF ANY PORTION OF A GREASE DUCT SYSTEM, A LEAKAGE TEST SHALL BE PERFORMED IN THE PRESENCE OF THE CODE ENFORCEMENT OFFICIAL. DUCTS SHALL BE CONSIDERED TO BE CONCEALED WHERE INSTALLED IN SHAFTS OR COVERED BY COATINGS OR WRAPS THAT PREVENT THE DUCTWORK FROM BEING VISUALLY INSPECTED ON ALL SIDES. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE NECESSARY EQUIPMENT AND PERFORM THE GREASE DUCT LEAKAGE TEST. A LIGHT TEST OR AN APPROVED EQUIVALENT TEST METHOD SHALL BE PERFORMED TO DETERMINE THAT ALL WELDED AND BRAZED JOINTS ARE LIQUID TIGHT. A LIGHT TEST SHALL BE PERFORMED BY PASSING A LAMP HAVING A POWER RATING OF NOT LESS THAN 100 WATTS THROUGH THE ENTIRE SECTION OF DUCT WORK TO BE TESTED. THE LAMP SHALL BE OPEN SO AS TO EMIT LIGHT EQUALLY IN ALL DIRECTIONS PERPENDICULAR TO THE DUCT WALLS.
- A TEST SHALL BE PERFORMED FOR THE ENTIRE DUCT SYSTEM, INCLUDING THE HOOD-TO-DUCT CONNECTION. THE DUCTWORK SHALL BE PERMITTED TO BE TESTED IN SECTIONS, PROVIDED THAT EVERY JOINT IS TESTED.
- GREASE DUCT SYSTEMS AND EXHAUST EQUIPMENT SERVING A TYPE I HOOD SHALL HAVE A CLEARANCE TO COMBUSTIBLE CONSTRUCTION OF NOT LESS THAN 18", AND SHALL HAVE A CLEARANCE TO NONCOMBUSTIBLE CONSTRUCTION AND GYPSUM WALLBOARD ATTACHED TO NONCOMBUSTIBLE STRUCTURES OF NOT LESS THAN 3".
- DUCT SYSTEMS SERVING A TYPE I HOOD SHALL BE CONSTRUCTED AND INSTALLED SO THAT GREASE CANNOT COLLECT IN ANY PORTION THEREOF, AND THE SYSTEM SHALL SLOPE NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2% SLOPE) TOWARD THE HOOD OR TOWARD AN APPROVED GREASE RESERVOIR.
- TYPE I HOOD SYSTEMS SHALL BE DESIGNED AND INSTALLED TO AUTOMATICALLY ACTIVATE THE EXHAUST FAN WHENEVER COOKING OPERATIONS OCCUR. THE ACTIVATION OF THE EXHAUST FAN SHALL OCCUR THROUGH AN INTERLOCK WITH THE COOKING APPLIANCES, BY MEANS OF HEAT SENSORS OR BY MEANS OF OTHER APPROVED METHODS.
- TYPE I HOODS SHALL BE CONSTRUCTED OF STAINLESS STEEL, NOT LESS THAN 0.037 INCH (NO. 20 MSG) IN THICKNESS. EXTERNAL HOOD JOINTS, SEAMS AND PENETRATIONS FOR TYPE I HOODS SHALL BE MADE WITH A CONTINUOUS EXTERNAL LIQUID-TIGHT WELD OR BRAZE TO THE LOWEST OUTERMOST PERIMETER OF THE HOOD. INTERNAL HOOD JOINTS, SEAMS, PENETRATIONS, FILTER SUPPORT FRAMES, AND OTHER APPENDAGES ATTACHED INSIDE THE HOOD SHALL NOT BE REQUIRED TO BE WELDED OR BRAZED BUT SHALL BE OTHERWISE SEALED TO BE GREASE TIGHT.
- A HOOD SHALL BE DESIGNED TO PROVIDE FOR THOROUGH CLEANING OF THE ENTIRE HOOD. GREASE GUTTERS SHALL DRAIN TO AN APPROVED COLLECTION RECEPTACLE THAT IS FABRICATED, DESIGNED AND INSTALLED TO ALLOW ACCESS FOR CLEANING.
- MAKEUP AIR SHALL BE SUPPLIED DURING THE OPERATION OF COMMERCIAL KITCHEN EXHAUST SYSTEMS THAT ARE PROVIDED FOR COMMERCIAL COOKING APPLIANCES. THE MAKEUP AIR SHALL NOT REDUCE THE EFFECTIVENESS OF THE EXHAUST SYSTEM. FOR MECHANICAL MAKEUP AIR SYSTEMS, THE EXHAUST AND MAKEUP AIR SYSTEMS SHALL BE ELECTRICALLY INTERLOCKED TO INSURE THAT MAKEUP AIR IS PROVIDED WHENEVER THE EXHAUST SYSTEM IS IN OPERATION.
- A PERFORMANCE TEST SHALL BE CONDUCTED UPON COMPLETION AND BEFORE FINAL APPROVAL OF THE INSTALLATION. OF VENTILATION SYSTEM SERVING COMMERCIAL COOKING APPLIANCES. THE TEST SHALL VERIFY THE RATE OF EXHAUST AIRFLOW REQUIRED, MAKEUP AIRFLOW REQUIRED, AND PROPER OPERATION. THE CONTRACTOR SHALL FURNISH THE NECESSARY TEST EQUIPMENT AND DEVICES REQUIRED TO PERFORM THE TESTS.
- THE CONTRACTOR SHALL VERIFY CAPTURE AND CONTAINMENT PERFORMANCE OF THE EXHAUST SYSTEM. THIS FIELD TEST SHALL BE CONDUCTED WITH ALL APPLIANCES UNDER THE HOOD AT OPERATING TEMPERATURES, WITH ALL SOURCES OF OUTDOOR AIR PROVIDING MAKEUP AIR FOR THE HOOD OPERATING AND WITH ALL SOURCES OF RECIRCULATED AIR PROVIDING CONDITIONING FOR THE SPACE IN WHICH THE HOOD IS LOCATED. OPERATING, CAPTURE AND CONTAINMENT SHALL BE VERIFIED VISUALLY BY OBSERVING SMOKE OR STEAM PRODUCED BY ACTUAL OR SIMULATED COOKING, SUCH AS WITH SMOKE CANDLES, SMOKE PUFFERS, ETC.

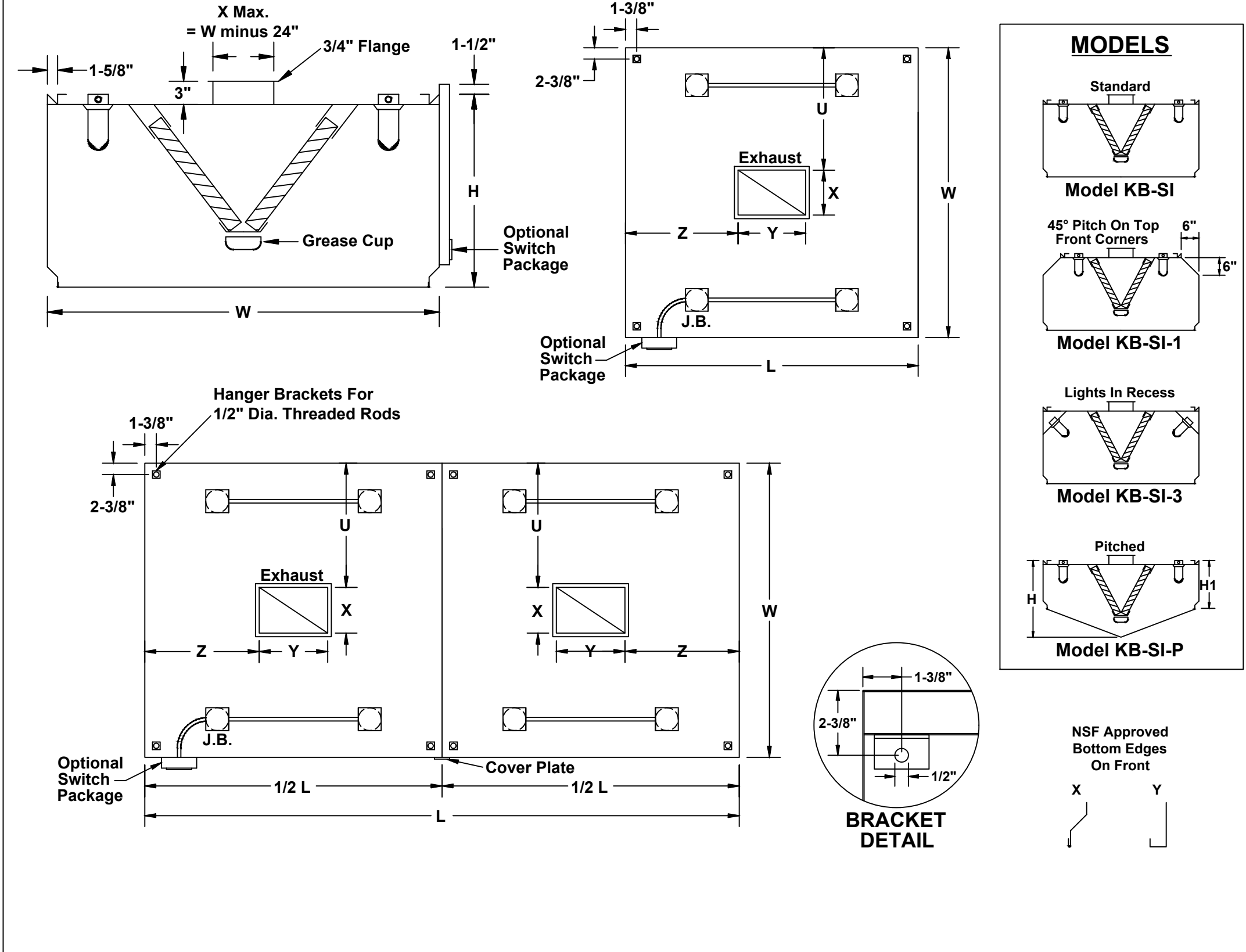
MODEL KA



2 Canopy Type Kitchen Hood Detail

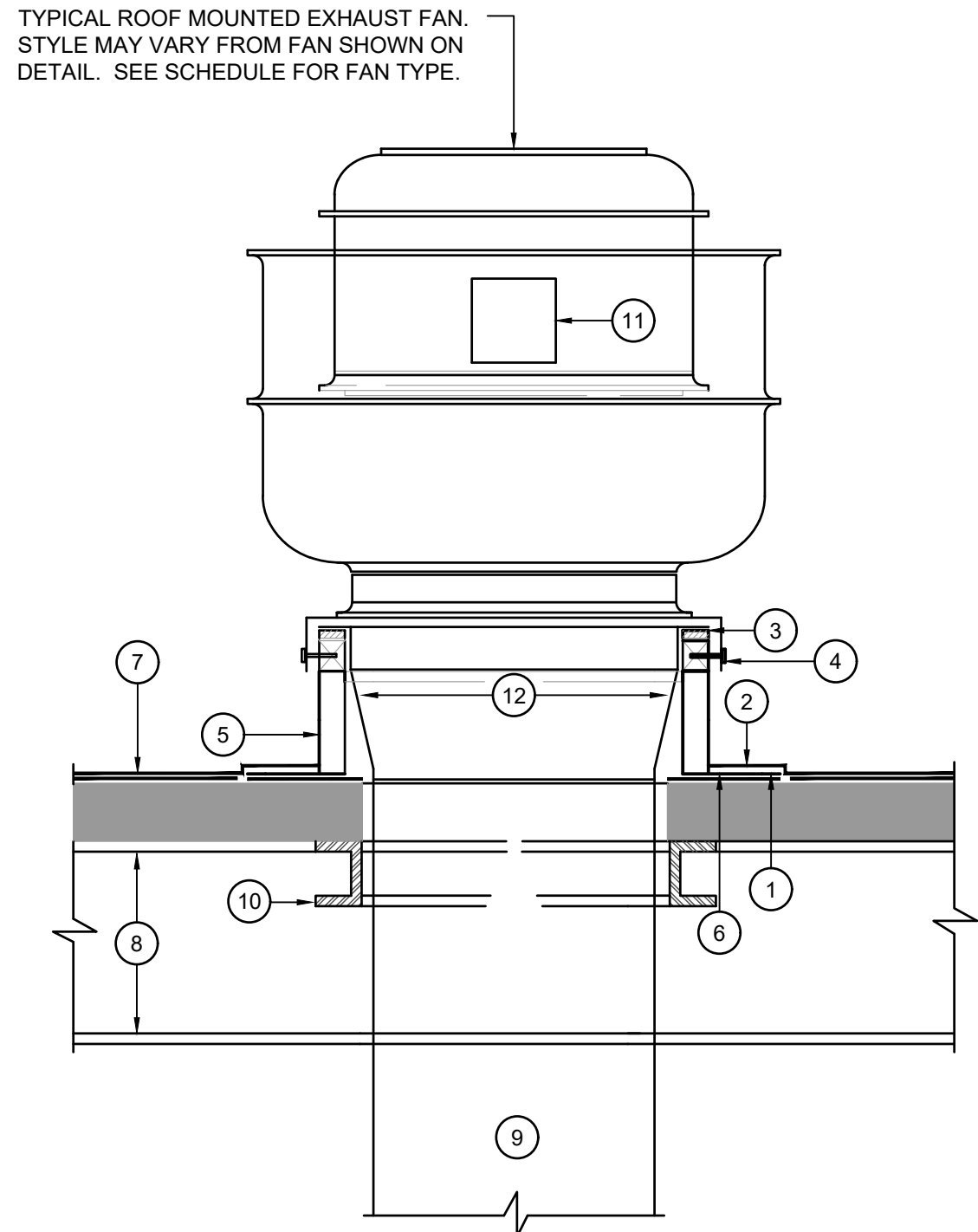
MG002 N.T.S.

MODEL KB SINGLE ISLAND



3 Island Type Kitchen Hood Detail

MG002 N.T.S.



4 Roof Mounted Exhaust Fan Detail

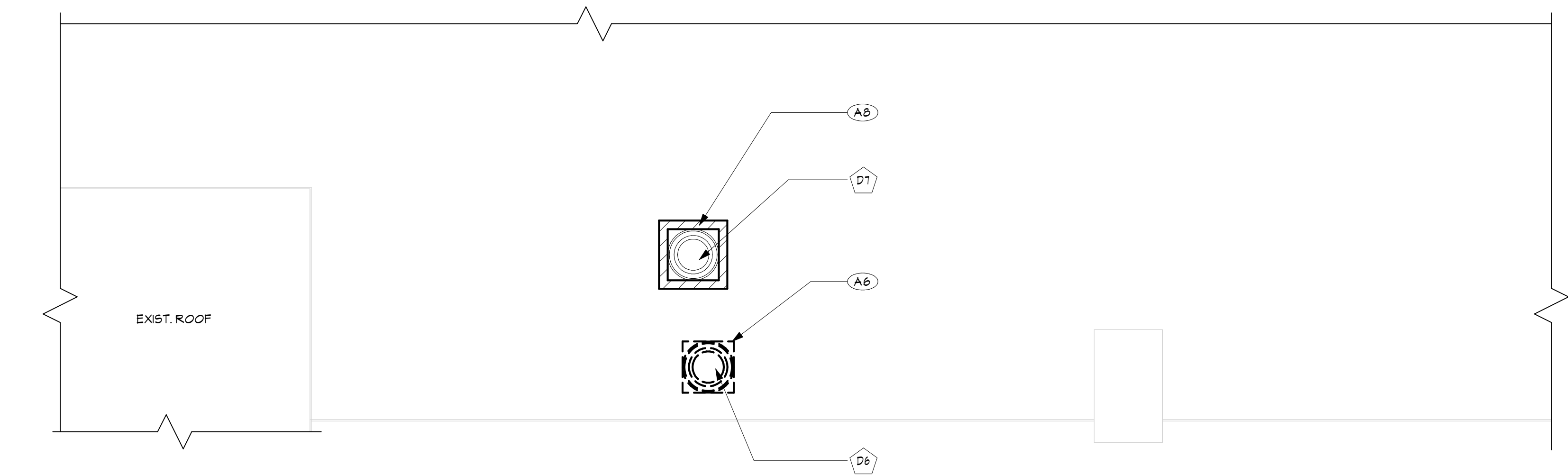
MG002 N.T.S.

Keyed Notes:

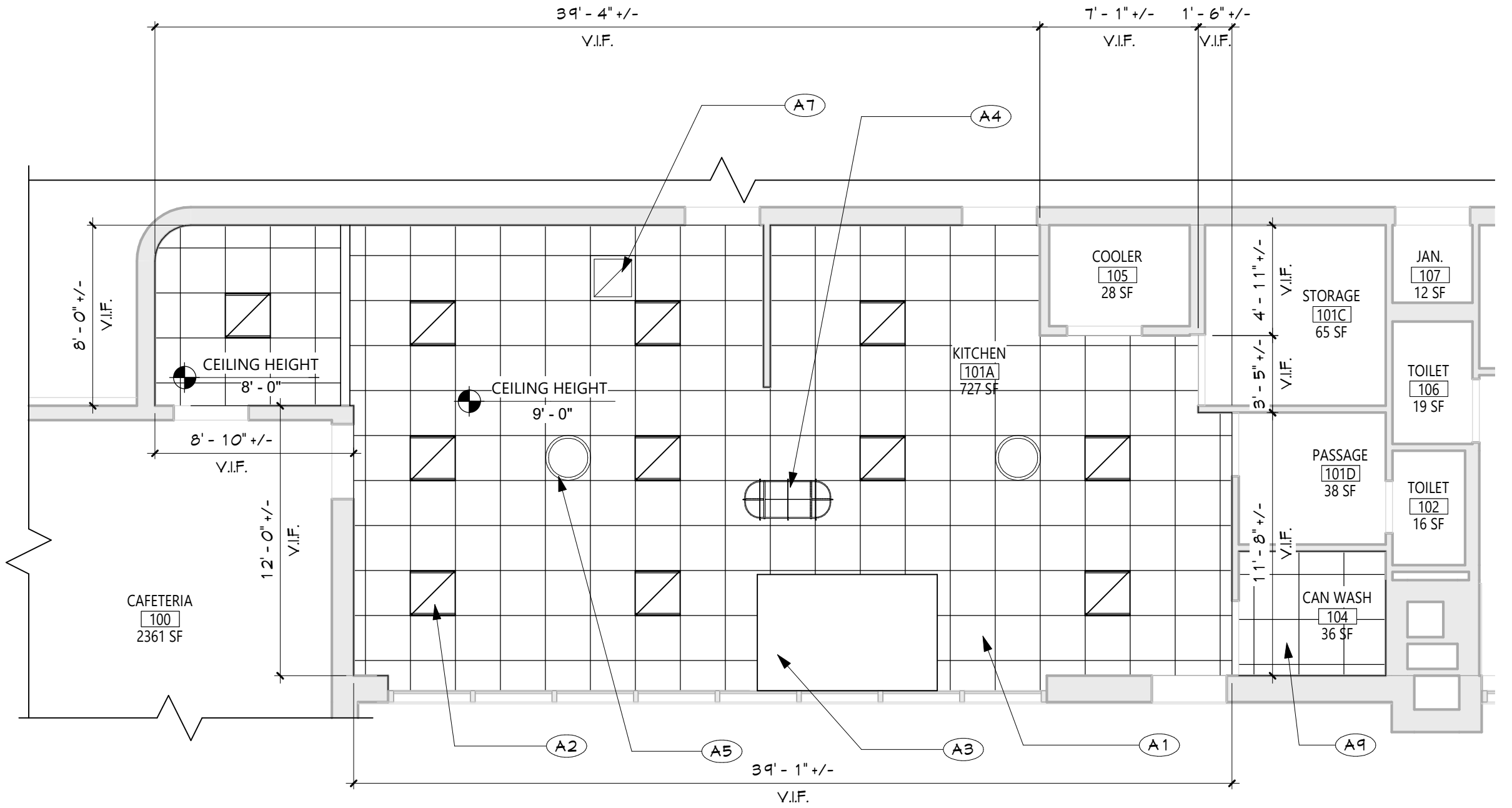
- SECURE FAN ROOF CURB TO ROOF WITH SHEET METAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION. SECURE FAN ROOF CURB TO ROOF USING FASTENERS AT 12" O.C. BEFORE APPLYING ROOFING MATERIAL & INSULATION. (IF REQUIRED) MINIMUM OF 2 FASTENERS PER SIDE.
- ROOFING MATERIAL TO EXTEND UP AND OVER TOP OF FAN CURB.
- NEOPRENE GASKET APPLIED TO TOP OF FAN CURB.
- SECURE FAN TO ROOF CURB WITH SHEET METAL SCREWS AT 12" O.C. ALL AROUND.
- VENTILATED ROOF CURB BY FAN MANUFACTURER.
- SEAL ROOF AREA BELOW CURB WITH SILICONE CAULK.
- ROOF MEMBRANE. REFER TO ARCHITECTURAL DRAWINGS.
- ROOF STRUCTURE. REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR DETAILS.
- DUCTWORK
- FRAMED ROOF OPENING - REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS.
- UNIT MOUNTED DISCONNECT SWITCH
- TRANSITION DUCT AS REQUIRED TO CONNECT TO FAN & DAMPER

General Notes:

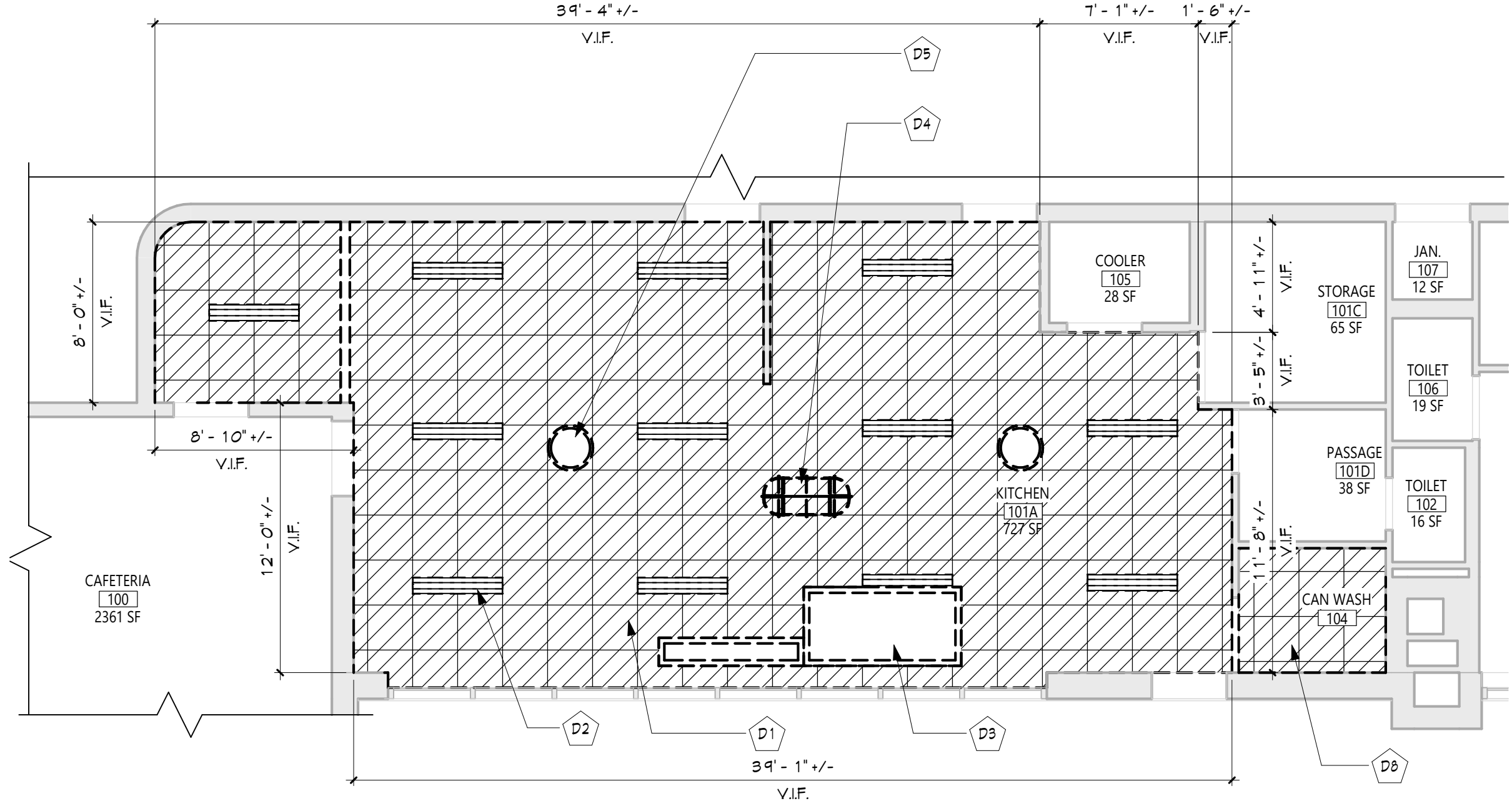
- ROOF CURB AND ROOF OPENING DIMENSIONS SHALL BE DETERMINED BY FAN MANUFACTURER.



3 PARTIAL ROOF PLAN
A101 3/16" = 1'-0"



2 KITCHEN - NEW WORK REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



1 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"

GENERAL NOTES
1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES. 2. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.
CEILING NOTES
1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED. 2. INSTALLATION HEIGHTS OF THE CEILING MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD. 3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.
CEILING DEMOLITION LEGEND
EXISTING GNB/PLASTER CEILING TO REMAIN EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN EXISTING GNB/PLASTER CEILING TO BE REMOVED EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED CEILING HEIGHT ABOVE FINISHED FLOOR
CEILING NEW WORK LEGEND
EXISTING GNB/PLASTER CEILING TO REMAIN EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN NEW GNB/PLASTER CEILING NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM CEILING HEIGHT ABOVE FINISHED FLOOR
ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2'X4' LIGHT FIXTURE 2'X2' LIGHT FIXTURE 1'X LIGHT FIXTURE PENDANT LIGHT FIXTURE RECESSED DOWN LIGHT CEILING MOUNTED EXIT SIGN CEILING MOUNTED OCCUPANCY SENSOR CEILING MOUNTED SMOKE DETECTOR CEILING MOUNTED HEAT DETECTOR CEILING MOUNTED PA SPEAKER CEILING MOUNTED SECURITY J-BOX CEILING MOUNTED MOTION SENSOR CEILING MOUNTED DATA J-BOX
MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
HVAC SUPPLY GRILLE HVAC RETURN GRILLE

CEILING DEMOLITION LEGEND
EXISTING GNB/PLASTER CEILING TO REMAIN EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN EXISTING GNB/PLASTER CEILING TO BE REMOVED EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED CEILING HEIGHT ABOVE FINISHED FLOOR
CEILING NEW WORK LEGEND
EXISTING GNB/PLASTER CEILING TO REMAIN EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN NEW GNB/PLASTER CEILING NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM CEILING HEIGHT ABOVE FINISHED FLOOR
ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2'X4' LIGHT FIXTURE 2'X2' LIGHT FIXTURE 1'X LIGHT FIXTURE PENDANT LIGHT FIXTURE RECESSED DOWN LIGHT CEILING MOUNTED EXIT SIGN CEILING MOUNTED OCCUPANCY SENSOR CEILING MOUNTED SMOKE DETECTOR CEILING MOUNTED HEAT DETECTOR CEILING MOUNTED PA SPEAKER CEILING MOUNTED SECURITY J-BOX CEILING MOUNTED MOTION SENSOR CEILING MOUNTED DATA J-BOX
MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
HVAC SUPPLY GRILLE HVAC RETURN GRILLE

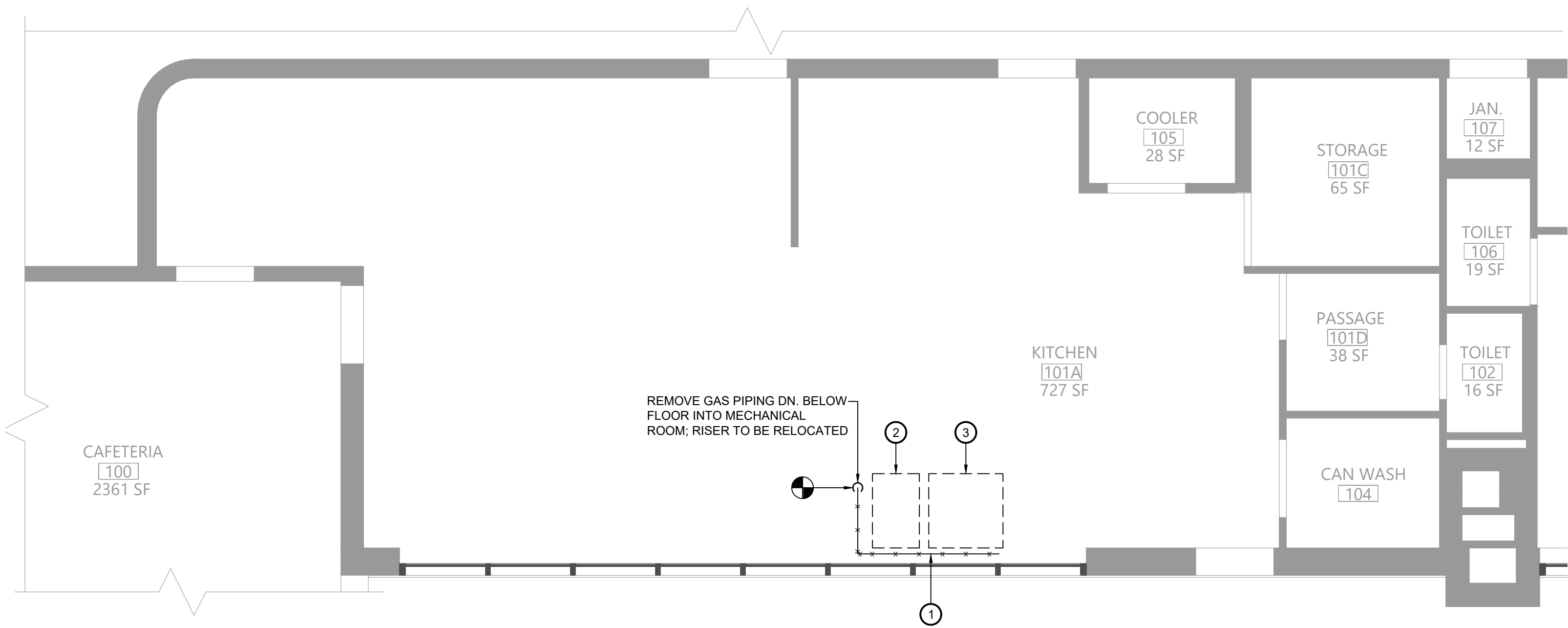
DEMOLITION KEY NOTES
DESCRIPTION D1 REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH ABATEMENT AND MECH DWGS. D2 EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS. D3 EXIST. KITCHEN HOOD. SEE MECH DWGS FOR DETAILS. D4 TEMPORARILY REMOVE AND STORE EXIST. CLG POTS RACK TO BE REINSTALLED WITH NEW WORK. D5 EXIST. MECH DIFFUSER TO BE REINSTALLED WITH NEW WORK. SEE ELEC DWGS FOR DETAILS. D6 EXIST. EXHAUST FAN ON ROOF TO BE REMOVED. EXISTING ROOF TO BE INFILLED. SEE MECH DWGS FOR DETAILS. D7 REMOVE SECTION OF EXIST. ROOF ASSEMBLY, INCLUDING ROOF MEMBRANE, SUBSTRATE, & DECKING TO ACCOMMODATE NEW WORK. GC TO COORDINATE WITH MC FOR LOCATION D8 TEMPORARILY REMOVE EXIST. CLG TO ACCOMMODATE MECH WORK. COORDINATE WITH MECH DWGS.

NEW WORK KEY NOTES
DESCRIPTION A1 PROVIDE NEW SUSPENDED CLG. COORDINATE WITH NEW MECH WORK. SEE SPECS A2 NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS. A3 NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS. A4 REINSTALL EXISTING POTS RACK. LOCATION TO BE V.I.F. A5 EXIST. MECH DIFFUSER. COORD. WITH MECH WORK. A6 INFILL AND PATCH EXISTING ROOF OPENING. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS A7 NEW CLG TRANSFER GRILLE. SEE MECH DWG FOR DETAILS A8 NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE WITH MC FOR LOCATION AND SIZE. A9 REINSTALL EXIST. SUSPENDED CLG. COORD. WITH MECH WORK.

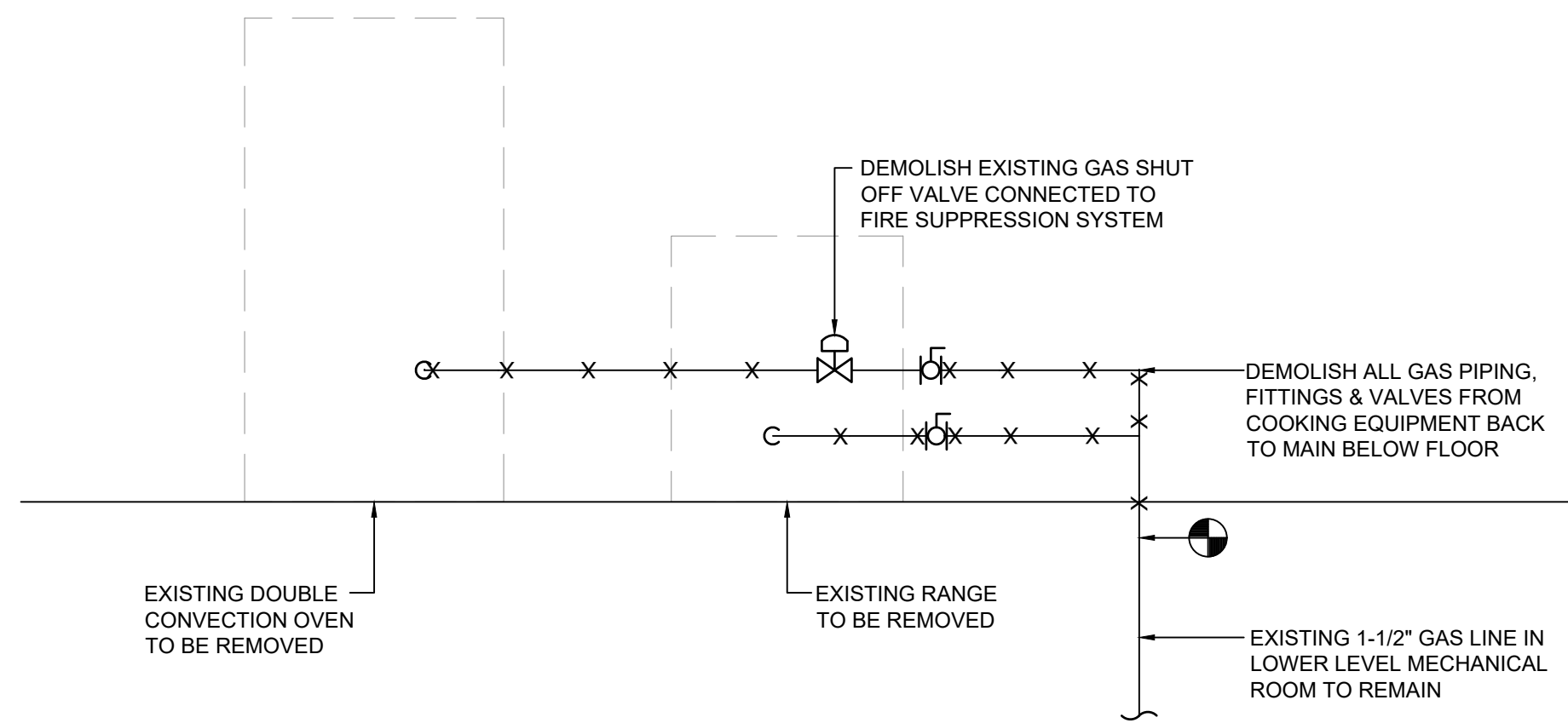
KEY PLAN
KITCHEN

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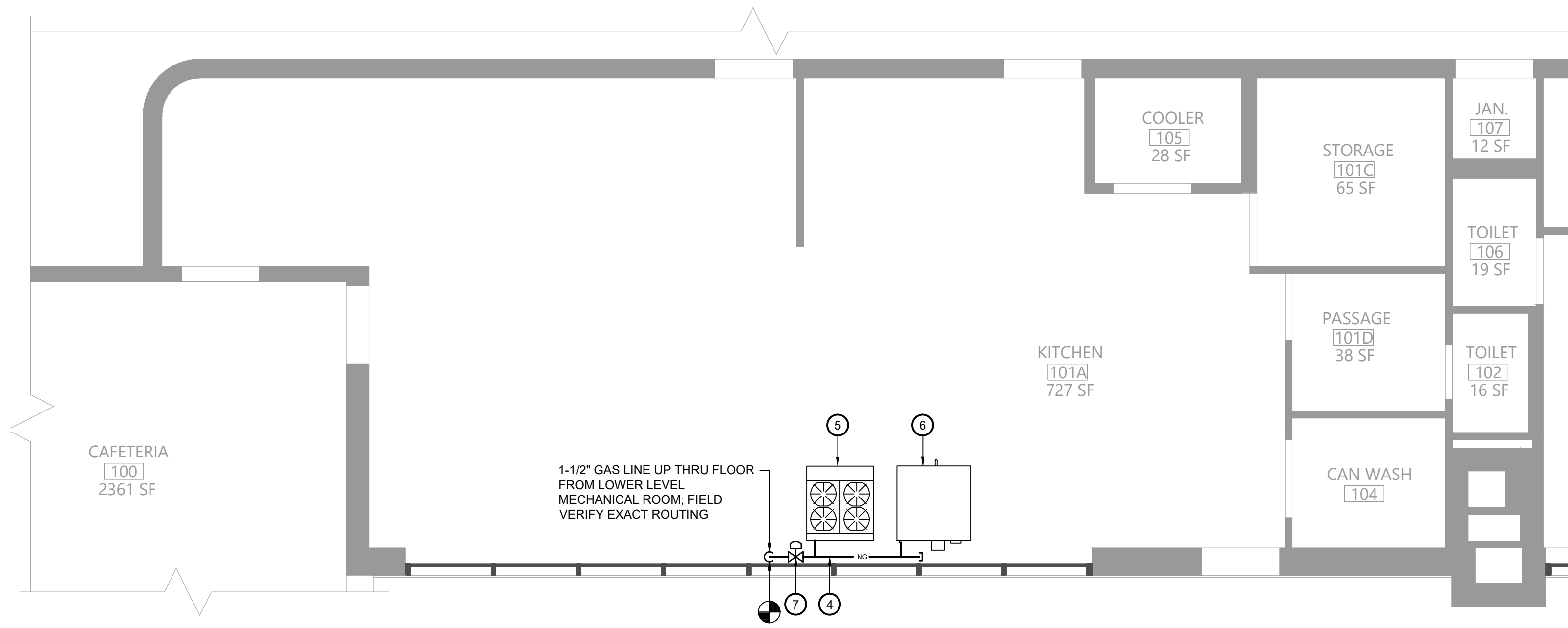
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Checked By:	CSA
Proj. #:	50-04-02-86-7-999-005
CSArch Proj. #:	209-2003.01
Issued for Bid:	05/13/22
Sheet Title	PARTIAL DEMO AND NEW WORK KITCHEN PLANS
Sheet No.	HES A101
CONSTRUCTION DOCUMENTS	



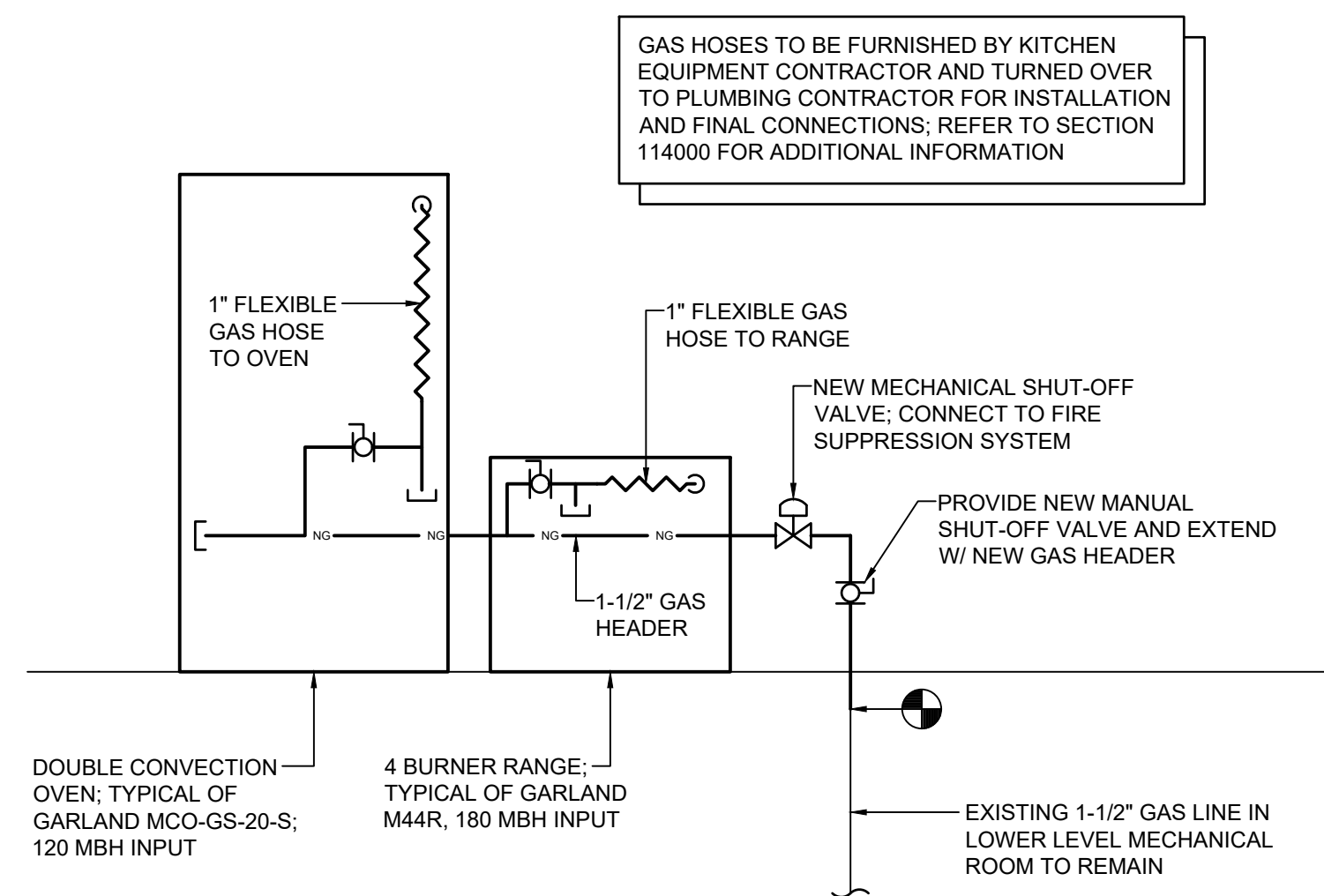
1 Plumbing Demolition Plan
P111 Scale: 1/4" = 1'-0"



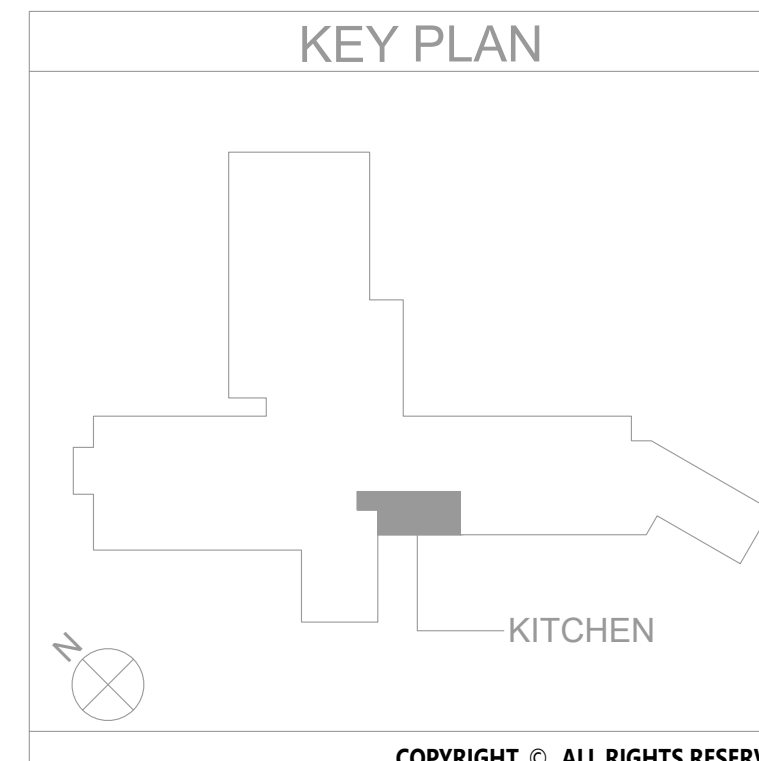
2 Gas Piping Demolition Diagram
P111 N.T.S.



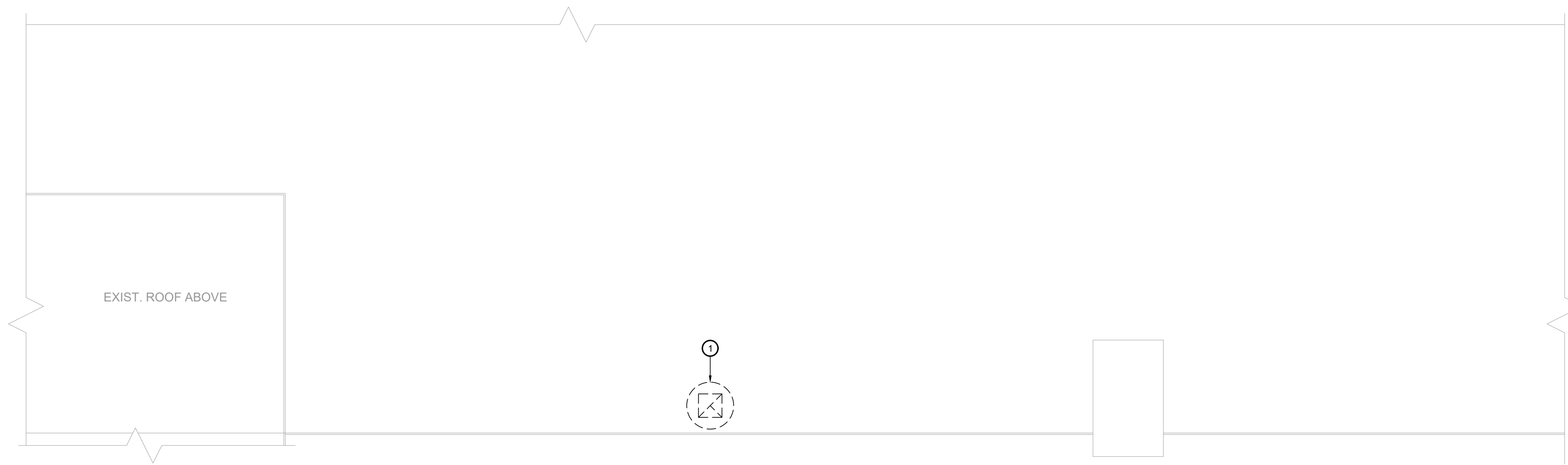
3 Plumbing Plan
P111 Scale: 1/4" = 1'-0"



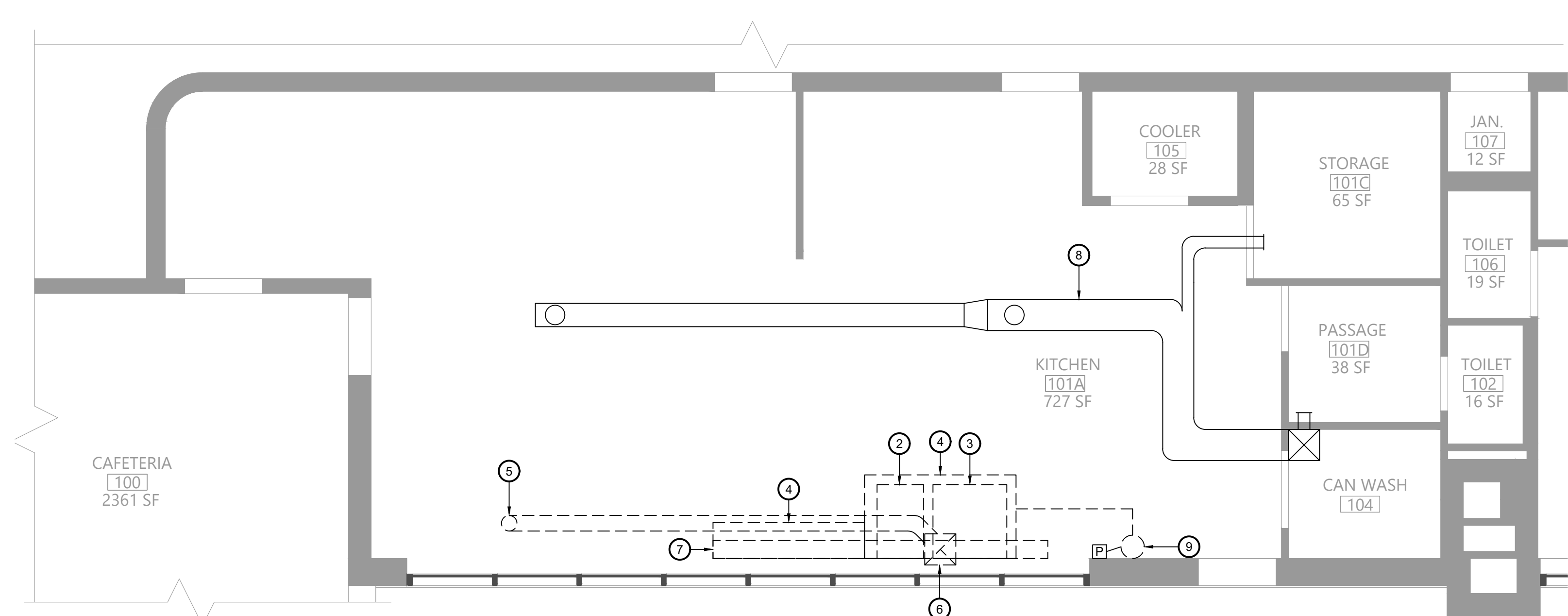
4 Gas Piping Diagram
P111 N.T.S.



- Key Notes:**
- EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
 - EXISTING RANGE TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - EXISTING CONVECTION OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - PROVIDE 1-1/2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS
 - 4 BURNER RANGE TYPICAL OF GARLAND M44R; 180 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM



1 Roof Mechanical Demolition Plan
Scale: 1/4" = 1'-0"



2 First Floor Mechanical Demolition Plan
Scale: 1/4" = 1'-0"

- Key Notes:**
- EXISTING EXHAUST FAN TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, CONTROLS, CURB, ETC.
 - EXISTING RANGE TO BE REMOVED
 - EXISTING CONVECTION OVEN TO BE REMOVED
 - EXISTING KITCHEN HOOD TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
 - EXISTING EXHAUST DUCTWORK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
 - EXISTING EXHAUST DUCTWORK UP THRU ROOF TO FAN TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF
 - EXISTING EXHAUST AIR PLENUM & SHELIVING UNIT TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF
 - EXISTING SUPPLY AIR DUCTWORK ABOVE CEILING TO REMAIN; MAINTAIN EXISTING SUPPLY DIFFUSERS FOR INSTALLATION INTO NEW CEILING
 - EXISTING FIRE SUPPRESSION SYSTEM TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ENTIRE SYSTEM INCLUDING TANK, CONTROL HEAD, PIPING, CONDUIT, CABLING, PULL STATION, NOZZLES

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
HEMPSTEAD ELEMENTARY SCHOOL

Project Title



DATE	DESCRIPTION

Drawn By: MGB
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Proj. #: 59-04-02-06-7-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

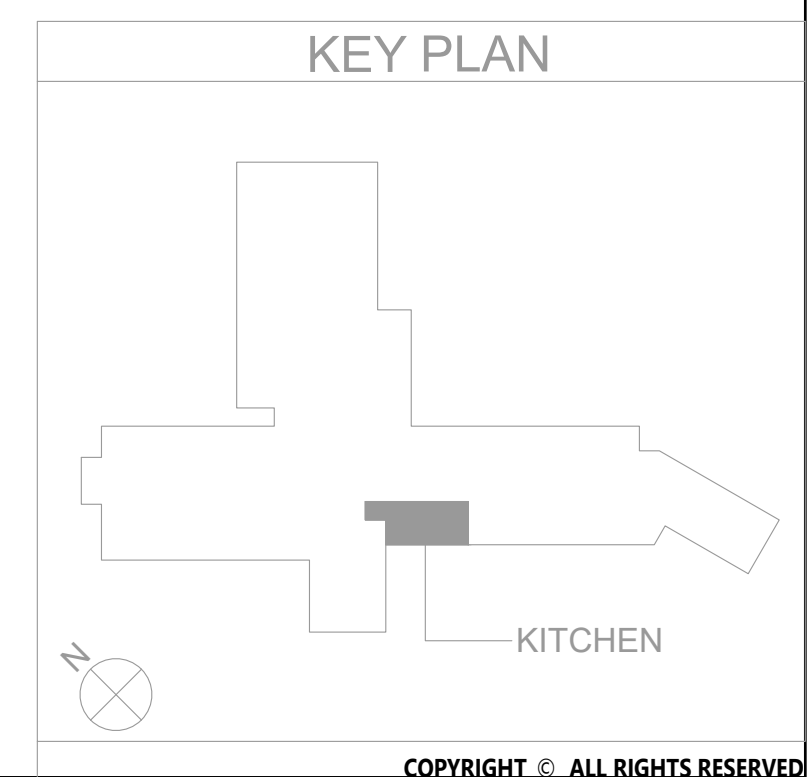
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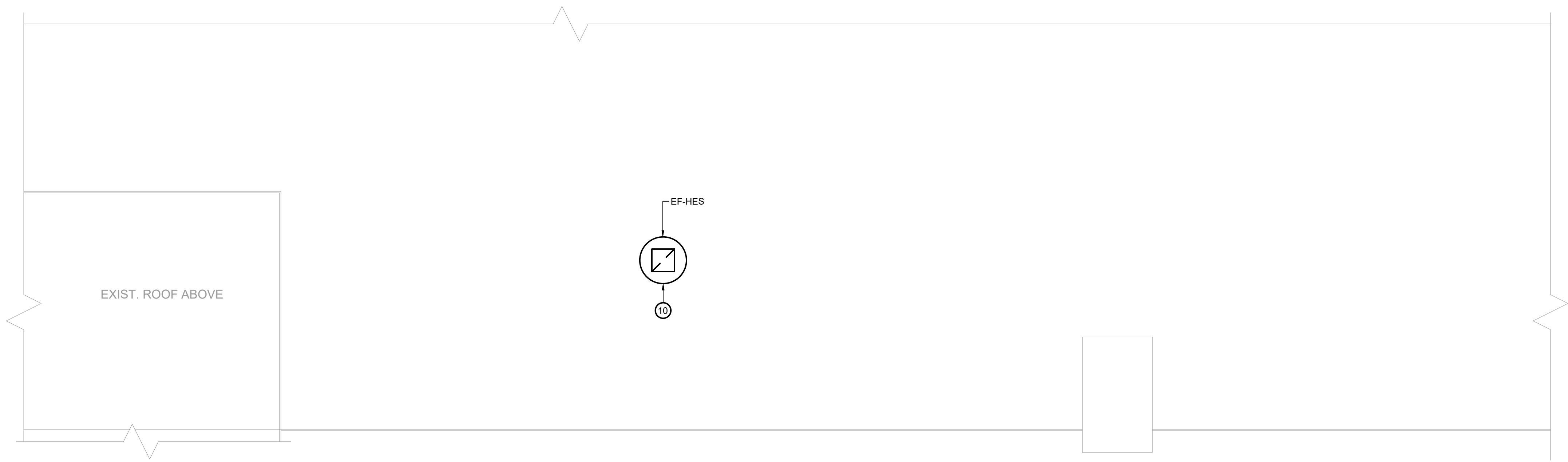
MECHANICAL
DEMOLITION
PLANS

Sheet No.

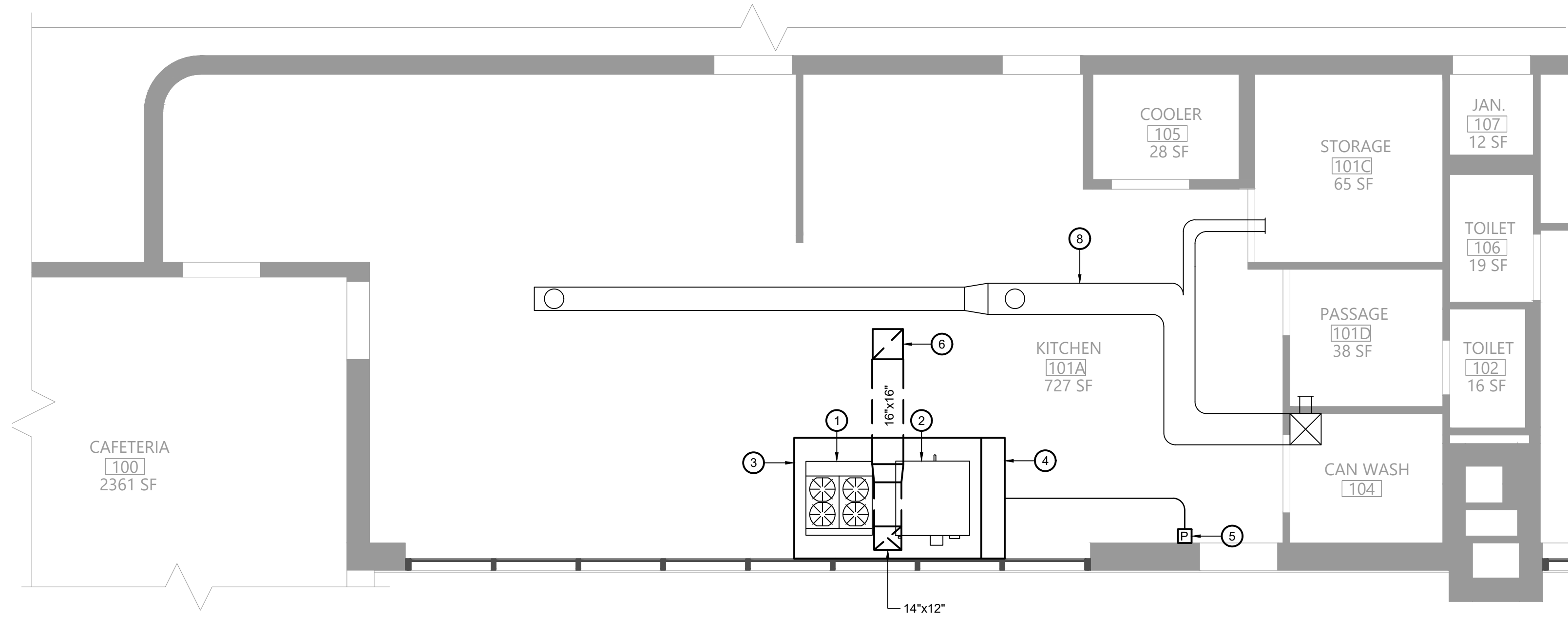
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CONSTRUCTION DOCUMENTS

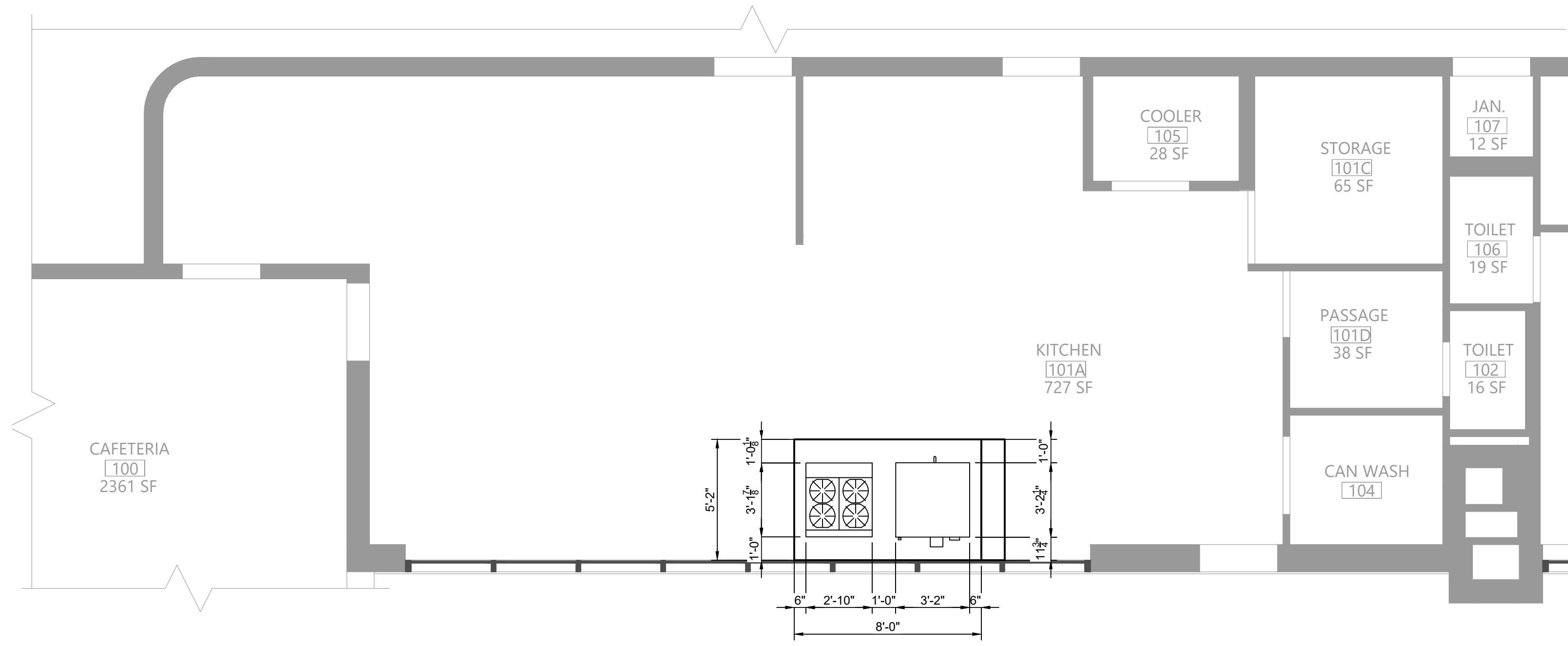




1 Mechanical Plan
Scale: 1/4" = 1'-0"



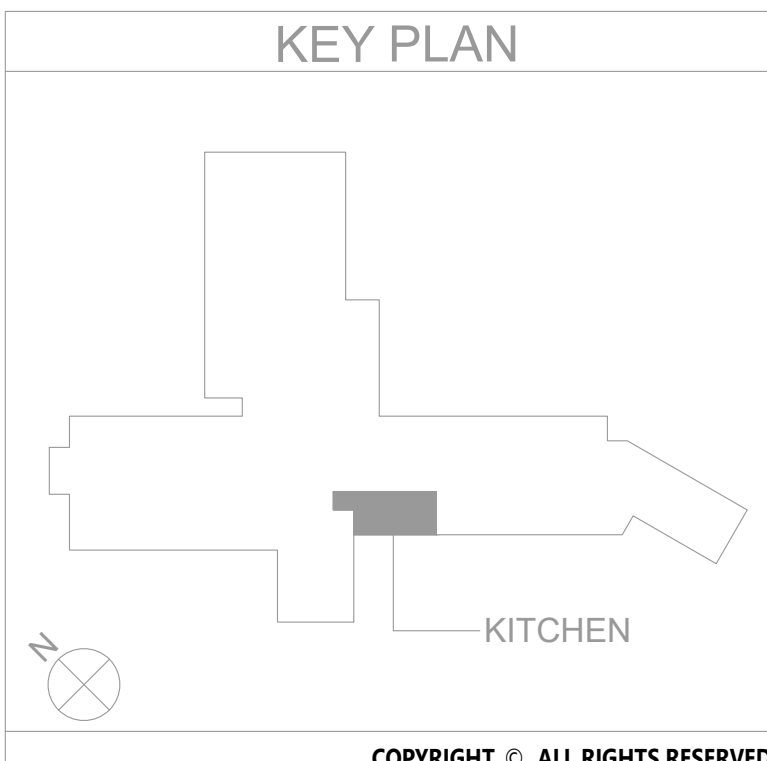
2 Mechanical Plan
Scale: 1/4" = 1'-0"



3 Kitchen Hood Dimensions
Scale: 1/4" = 1'-0"

Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT;
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT;
- PROVIDE 8'-0" LONG x 5'-2" DEEP x 18" HIGH 304 SS WALL MOUNTED CANOPY STYLE TYPE I KITCHEN HOOD W/ HOOD MOUNTED UTILITY CABINET; MOUNT HOOD AT 84" ABOVE FINISHED FLOOR. SEE KITCHEN HOOD NOTES ON MG001
- 12" DEEP UTILITY CABINET W/ COMPLETE R-102 FIRE SUPPRESSION SYSTEM INCLUDING ALL NOZZLES, FUSIBLE LINKS, PIPING, CABLING, TANK(S), PULL STATION
- PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM; INSTALL ON WALL AND CONNECT TO SYSTEM AT HOOD UTILITY CABINET
- 16"x16" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-FES
- PROVIDE NEW TRANSFER GRILLE IN CEILING; CONNECT TO EXISTING TRANSFER DUCT W/ 22"x22" DUCT CONNECTION
- EXISTING MAKEUP AIR GRILLE & DUCTWORK TO REMAIN
- PATCHED OPENING IN DUCTWORK
- 16"x16" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-FES; TRANSITION DUCT AS NECESSARY AT FAN CONNECTION; INSTALL FAN ON 24" VENTED CURB



EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
HEMPSTEAD ELEMENTARY SCHOOL

Project Title



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Proj. #: 59-04-02-06-7-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

Sheet Title

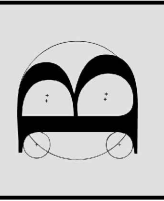
MECHANICAL
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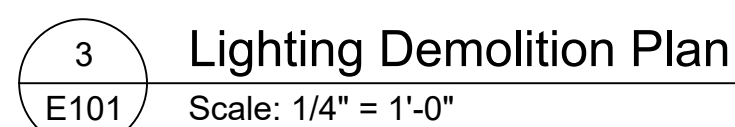
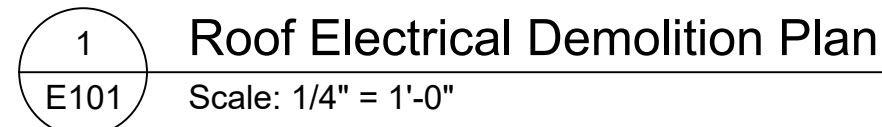


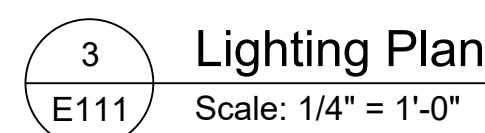
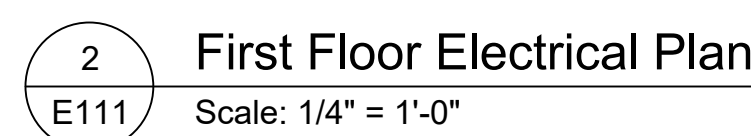
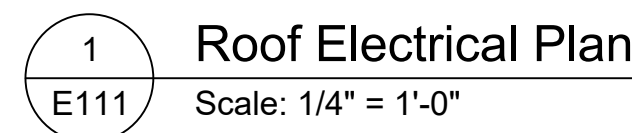
BLAKE ENGINEERING PLLC
100 WEST 10TH STREET, SUITE 200
NEW YORK, NY 10011
www.csarchpcc.com

CSARCH

19 Front St., Newburgh, New York 12550-7601
845-561-3179 www.csarchpcc.com

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4 Existing Kitchen Panelboard KP-1
E111 Scale: None

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607-527-5900 MAIL@BLAKEENGINEERINGPLLC.COM

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
HEMPSTEAD ELEMENTARY SCHOOL

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Sheet Title

ELECTRICAL PLANS

Sheet No.

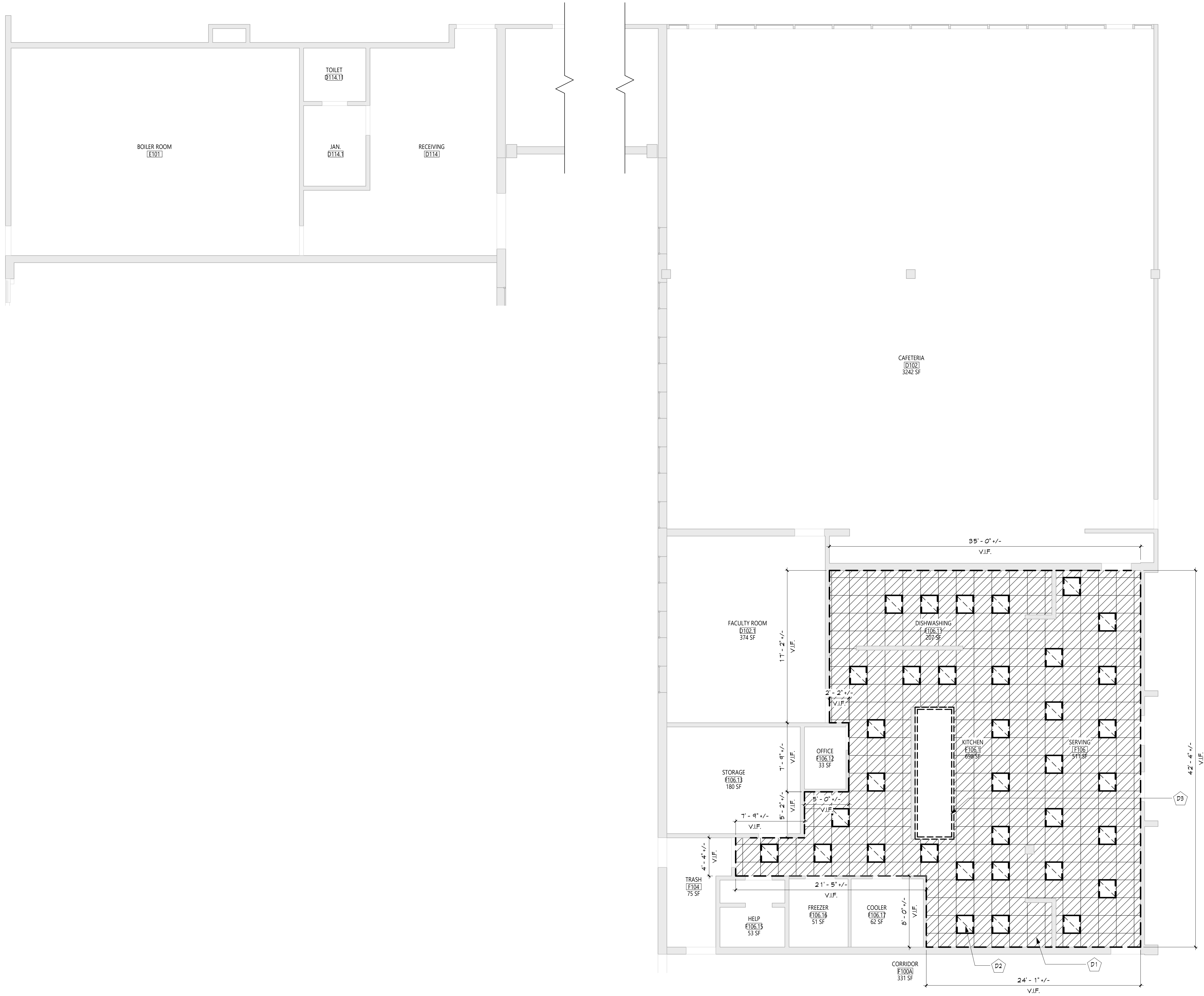
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1 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



GENERAL NOTES

1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND

EXISTING G&B/PLASTER CEILING TO REMAIN

EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN

EXISTING G&B/PLASTER CEILING TO BE REMOVED

EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED

X

CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND

EXISTING G&B/PLASTER CEILING TO REMAIN

EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN

NEW G&B/PLASTER CEILING

NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM

X

CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

2'x4' LIGHT FIXTURE

2'x2' LIGHT FIXTURE

1'x LIGHT FIXTURE

PENDANT LIGHT FIXTURE

RECESSED DOWN LIGHT

CEILING MOUNTED EXIT SIGN

CEILING MOUNTED OCCUPANCY SENSOR

S

CEILING MOUNTED SMOKE DETECTOR

H

CEILING MOUNTED HEAT DETECTOR

S

CEILING MOUNTED PA SPEAKER

J

CEILING MOUNTED SECURITY J-BOX

MS

CEILING MOUNTED MOTION SENSOR

V

CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

X

HVAC SUPPLY GRILLE

HVAC RETURN GRILLE

DEMOLITION KEY NOTES

DESCRIPTION

D1 REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH ABATEMENT AND MECH DWGS.

D2 EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.

D3 EXIST. KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.

NEW WORK KEY NOTES

DESCRIPTION

KEY PLAN

KITCHEN

19 Front St., Newburgh - New York 12550-7601
845-561-1379 www.csarch.com

CSARCH

Consultant

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
POMONA MIDDLE SCHOOL

Project Title

REGISTERED ARCHITECT
STATE OF NEW YORK
62334

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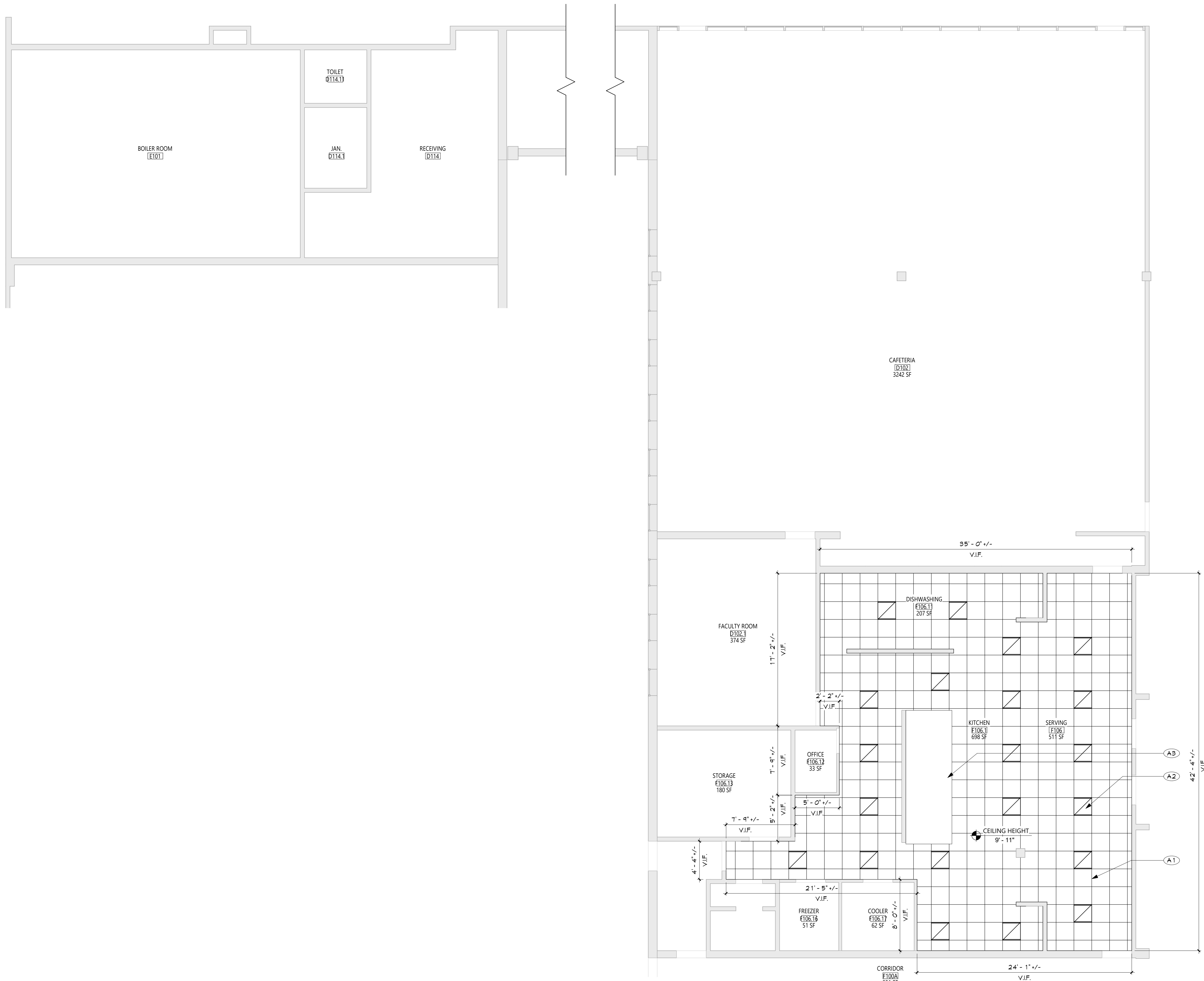
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CSArch Proj. #: 209-2003-01
Issued for Bid: 05/13/22

Sheet Title
DEMO - ENLARGED KITCHEN & BOILER ROOM PLAN

Sheet No.
PMS A101

CONSTRUCTION DOCUMENTS

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GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES
2. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.






CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO IN ROOMS OTHER THAN RECTANGULAR SHAPED. INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.














CEILING DEMOLITION LEGEND

- | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | EXISTING GWB/PLASTER CEILING TO REMAIN |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN |
|  | EXISTING GWB/PLASTER CEILING TO BE REMOVED |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED |
|  | CEILING HEIGHT ABOVE FINISHED FLOOR |



CEILING NEW WORK LEGEND

- | | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
|  | EXISTING GNB/PLASTER CEILING TO REMAIN |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN |
|  | NEW GNB/PLASTER CEILING |
|  | NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM |
|  | CEILING HEIGHT ABOVE FINISHED FLOOR |

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- | | |
|---------------------------------------------------------------------------------------|----------------------------------|
|  | 2'x4' LIGHT FIXTURE |
|  | 2'x2' LIGHT FIXTURE |
|  | 1'x LIGHT FIXTURE |
|  | PENDANT LIGHT FIXTURE |
|  | RECESSED DOWN LIGHT |
|  | CEILING MOUNTED EXIT SIGN |
|  | CEILING MOUNTED OCCUPANCY SENSOR |
|  | CEILING MOUNTED SMOKE DETECTOR |
|  | CEILING MOUNTED HEAT DETECTOR |
|  | CEILING MOUNTED PA SPEAKER |
|  | CEILING MOUNTED SECURITY J-BOX |
|  | CEILING MOUNTED MOTION SENSOR |
|  | CEILING MOUNTED DATA J-BOX |

MECHANICAL EQUIPMENT, REFER TO MECHANICAL
DRAWINGS FOR ADDITIONAL INFORMATION.

-  HVAC SUPPLY GRILLE
 HVAC RETURN GRILLE

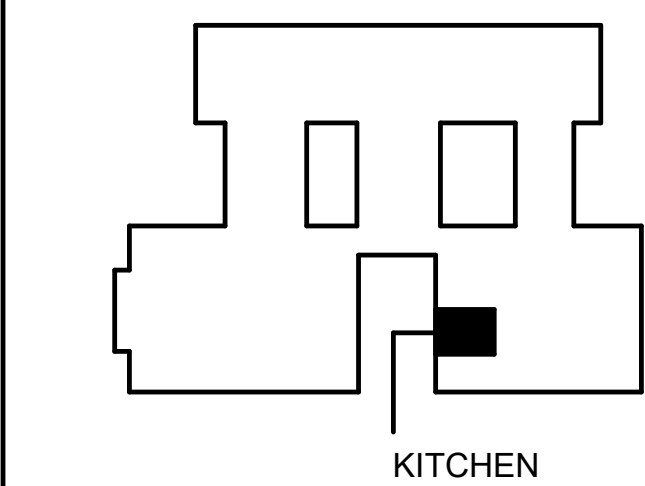
DEMOLITION KEY NOTES

	DESCRIPTION
---------------------------------------------------------------------------------------	-------------

NEW WORK KEY NOTES

#	DESCRIPTION
A1	PROVIDE NEW SUSPENDED CLG. COORD. WITH NEW MECH WORK. SEE SPECS
A2	NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.
A3	NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.

KEY PLAN



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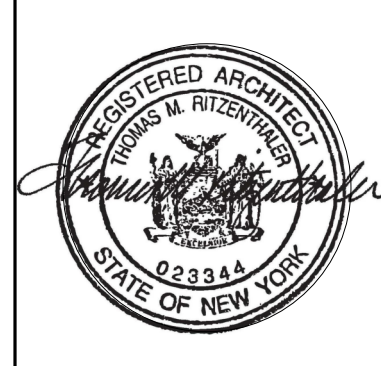
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EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
POMONA MIDDLE SCHOOL

Project Title



1		
	DATE	DESCRIPTION

Drawn By:	CS
Checked By:	CS
Proj. #:	50-04-02-06-7-999-00
CSArch Proj. #:	209-2003/2
Issued for Bid:	05/13/2

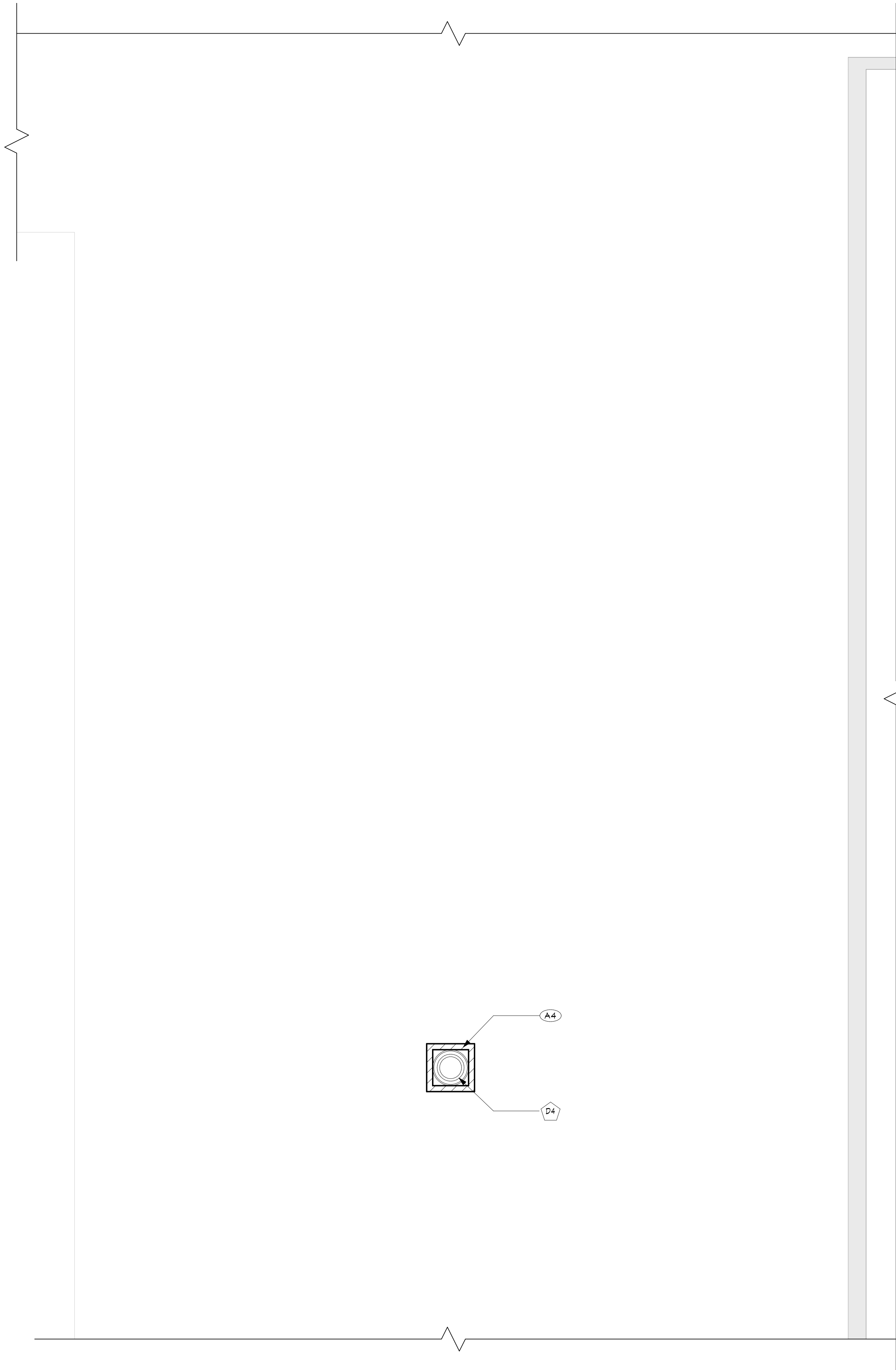
Sheet Title
NEW WORK -
ENLARGED
KITCHEN &
BOILER ROOM
PLAN

Sheet No. PMS A102

CONSTRUCTION DOCUMENTS

C:\Users\public\Documents\2019-2023 POMONA MS_cmalidee.rvt

1 PARTIAL ROOF PLAN
A103 3/16" = 1'-0"



GENERAL NOTES

1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND

- EXISTING G&B/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- EXISTING G&B/PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
- CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND

- EXISTING G&B/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- NEW G&B/PLASTER CEILING
- NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED HEAT DETECTOR
- CEILING MOUNTED PA SPEAKER
- CEILING MOUNTED SECURITY J-BOX
- CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

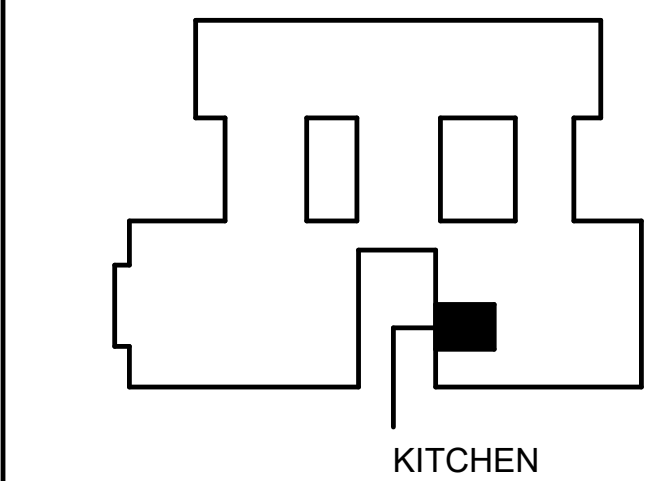
DEMOLITION KEY NOTES

- | DESCRIPTION |
|------------------------------------------------------------------------------------------------------------|
| D4 EXISTING EXHAUST FAN ON ROOF TO BE REMOVED. EXISTING ROOF OPENING TO REMAIN. SEE MECH DWGS FOR DETAILS. |

NEW WORK KEY NOTES

- | DESCRIPTION |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A4 NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE WITH MC FOR LOCATION AND SIZE. |

KEY PLAN



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POMONA MIDDLE SCHOOL

Project Title



DATE	DESCRIPTION

Drawn By: CSA
Checked By: CSA
Proj. #: 50-04-02-86-7-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/22

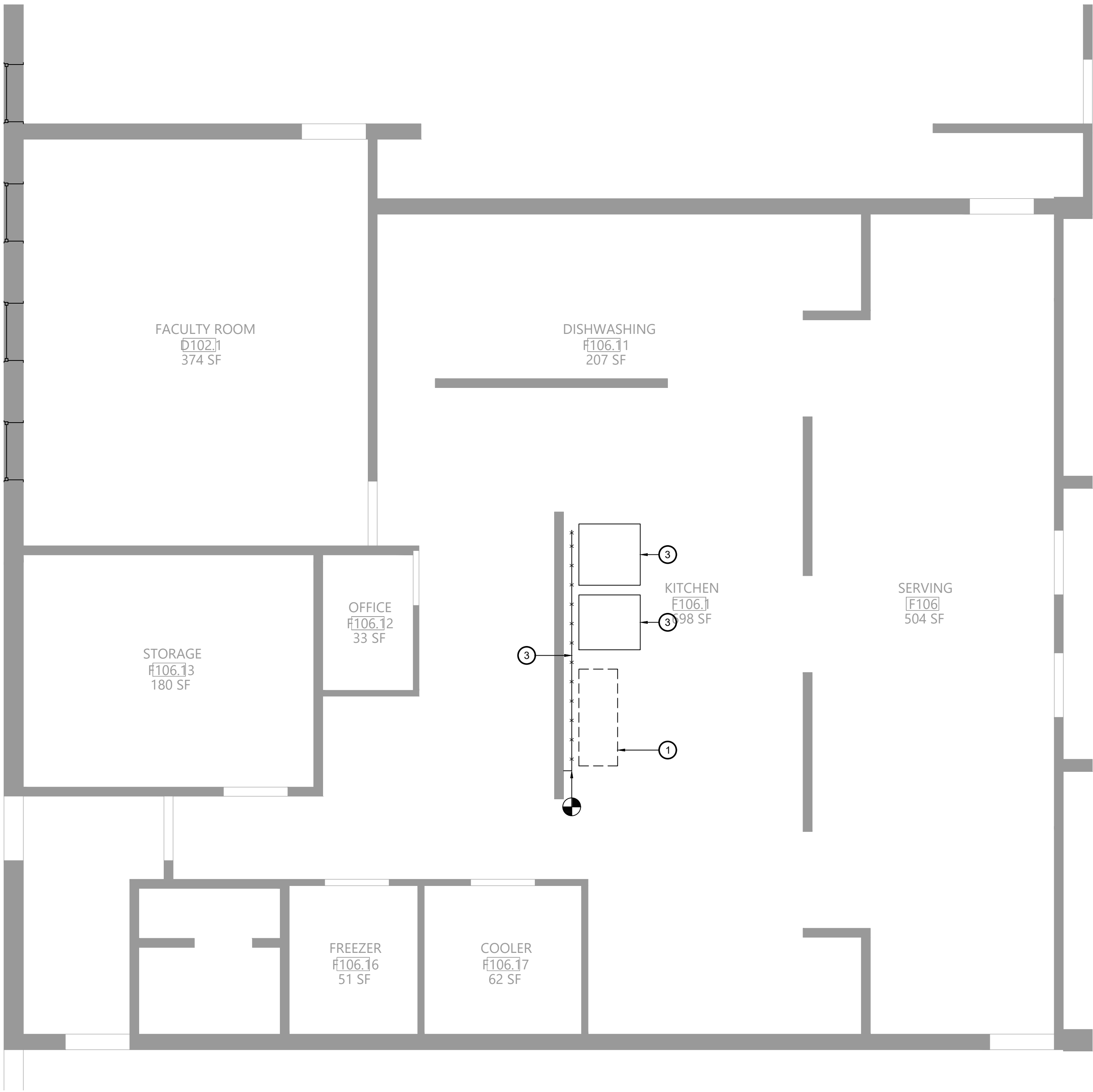
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PARTIAL ROOF
PLAN

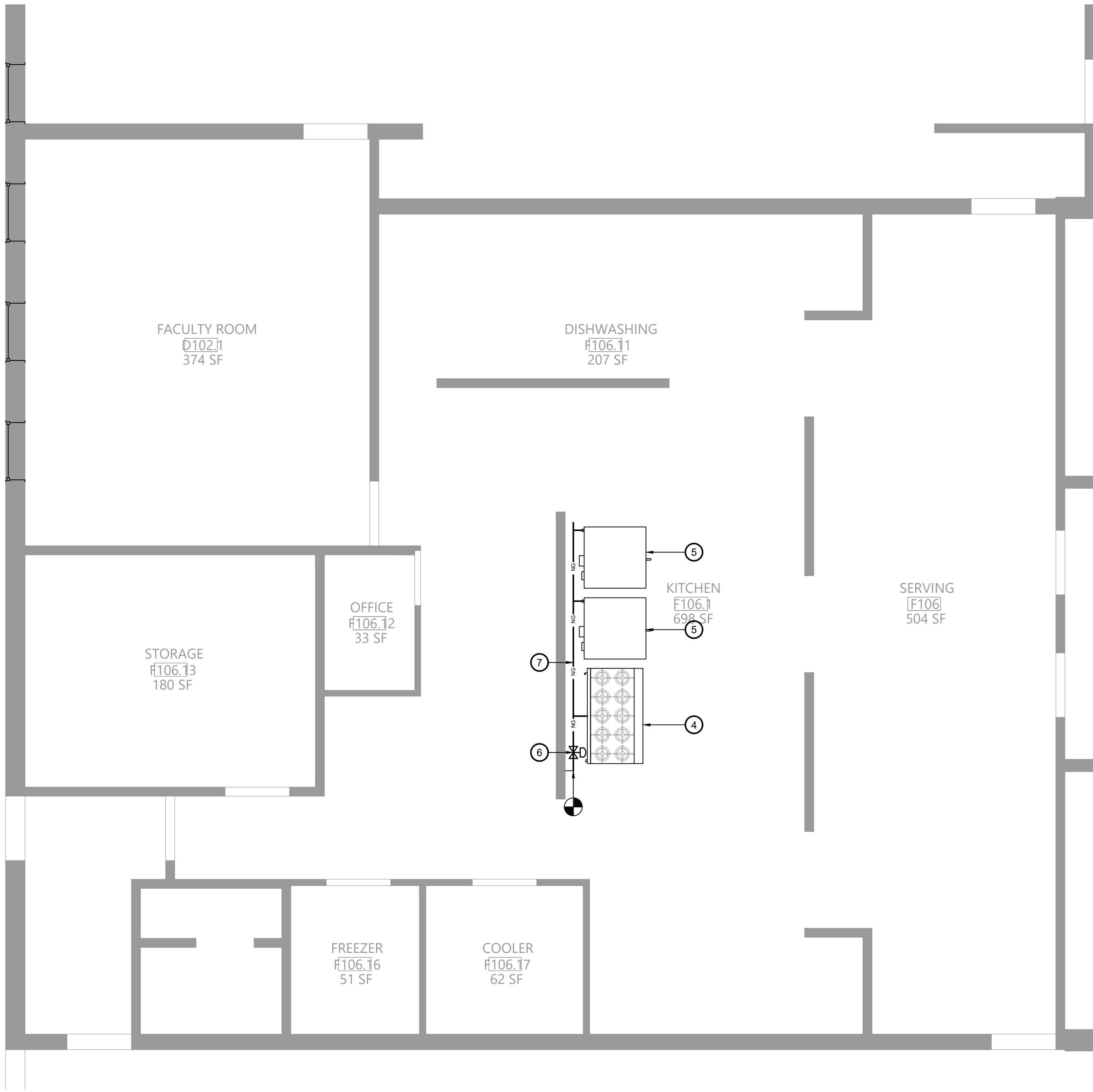
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PMS
A103

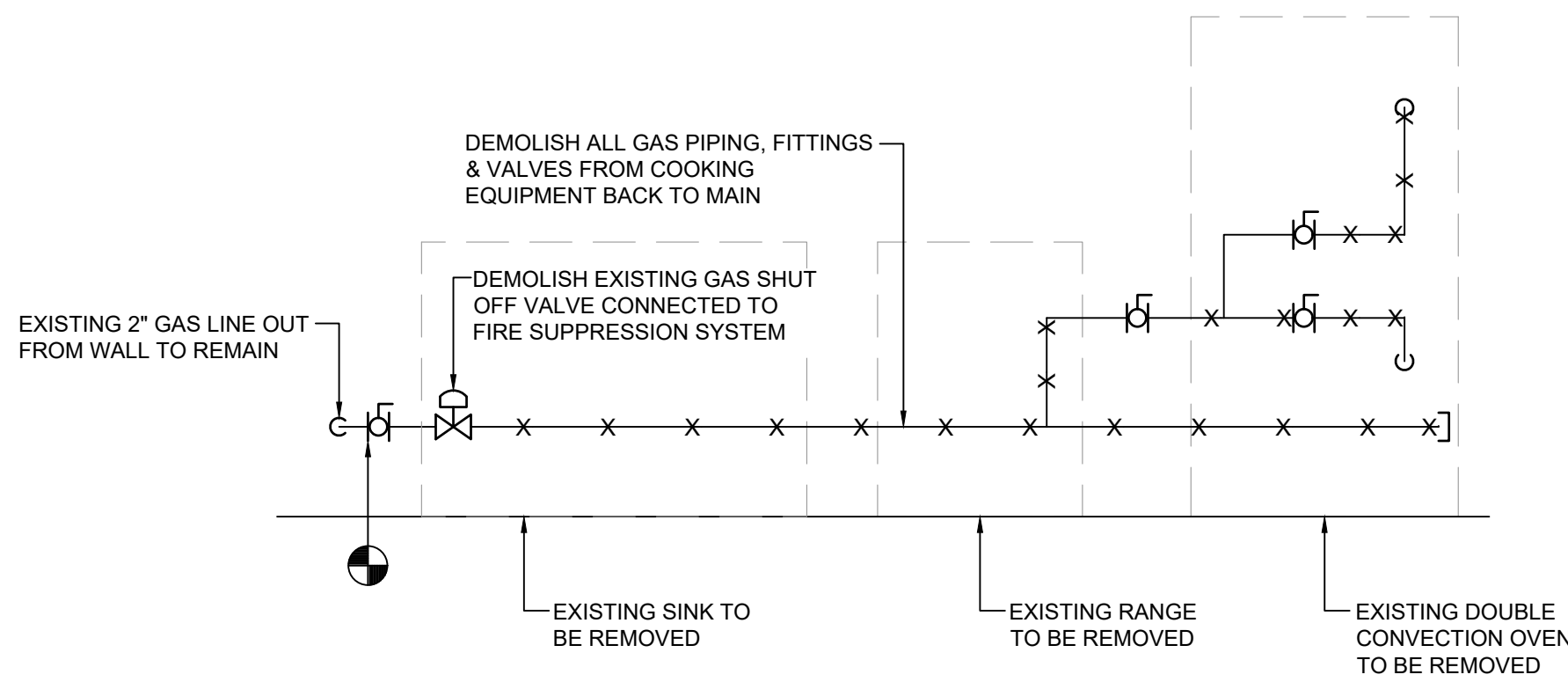
CONSTRUCTION DOCUMENTS



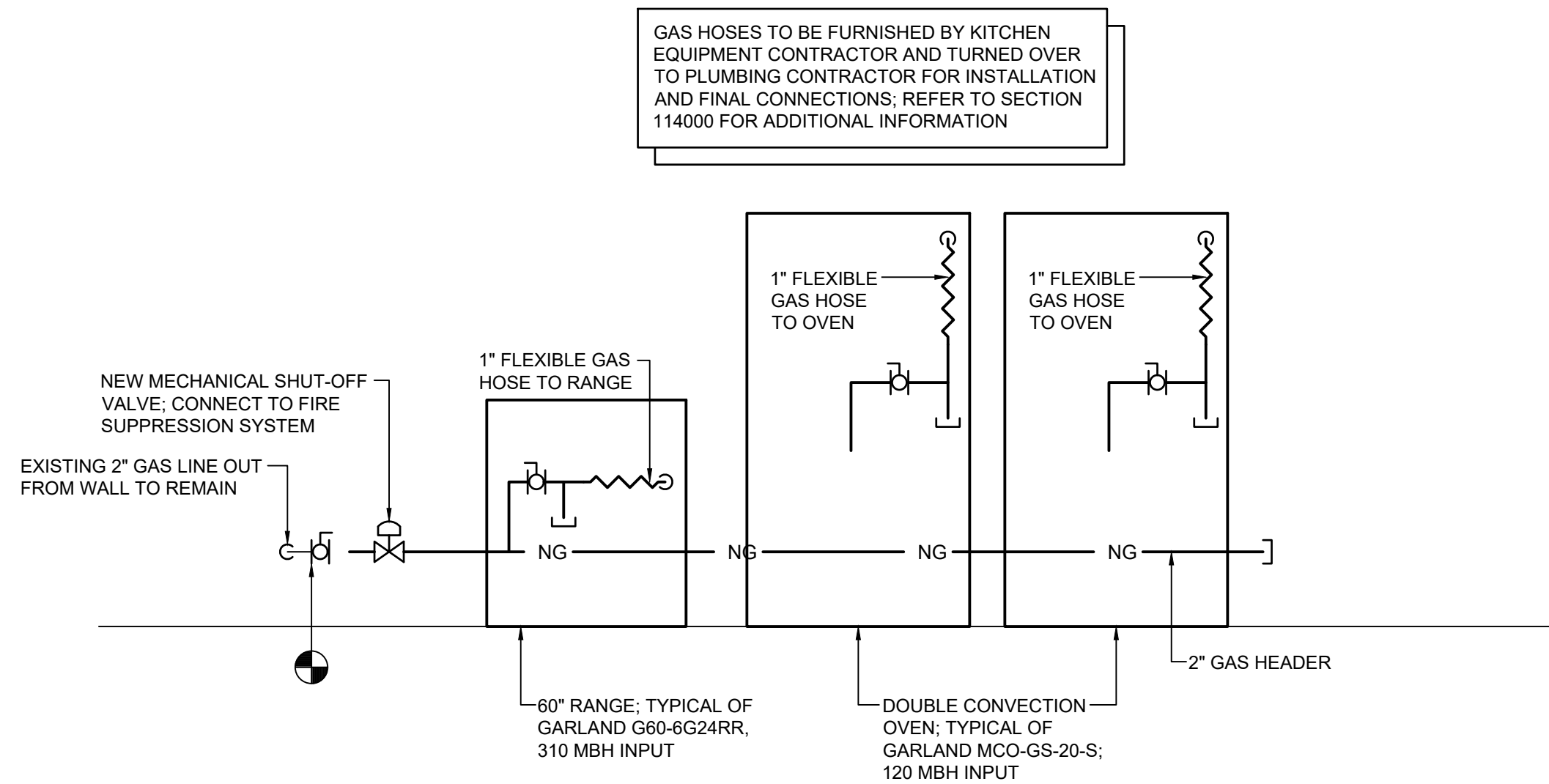
1 Plumbing Demolition Plan
P111 Scale: 1/4" = 1'-0"



3 Plumbing Plan
P111 Scale: 1/4" = 1'-0"



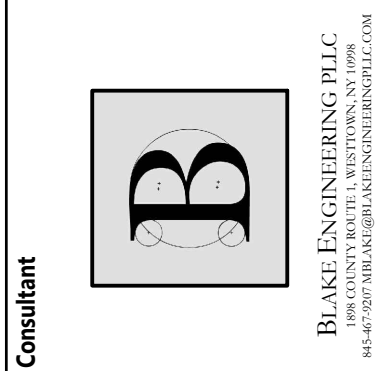
2 Gas Piping Demolition Diagram
P111 N.T.S.



4 Gas Piping Diagram
P111 N.T.S.

Key Notes:

- 1 DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING KITCHEN SINK; REMOVE ALL WATER AND DRAIN PIPING BACK TO WALL & CAP
- 2 EXISTING OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
- 3 EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
- 4 60" RANGE TYPICAL OF GARLAND G60-EG24RR; 310 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
- 5 DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
- 6 PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM
- 7 PROVIDE 2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS



EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
POMONA MIDDLE SCHOOL

Project Title



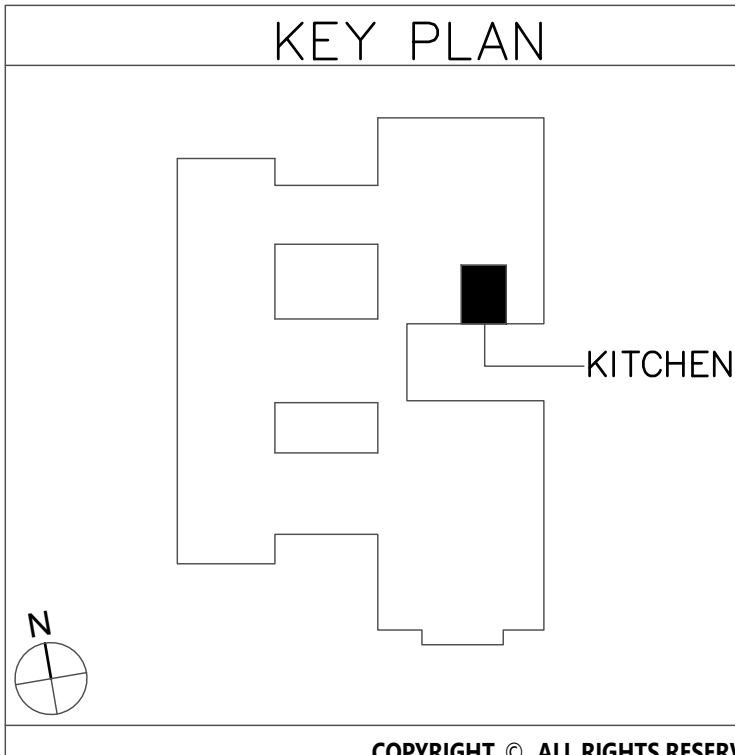
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Checked By: MGB
Proj. #: 50-04-02-067-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

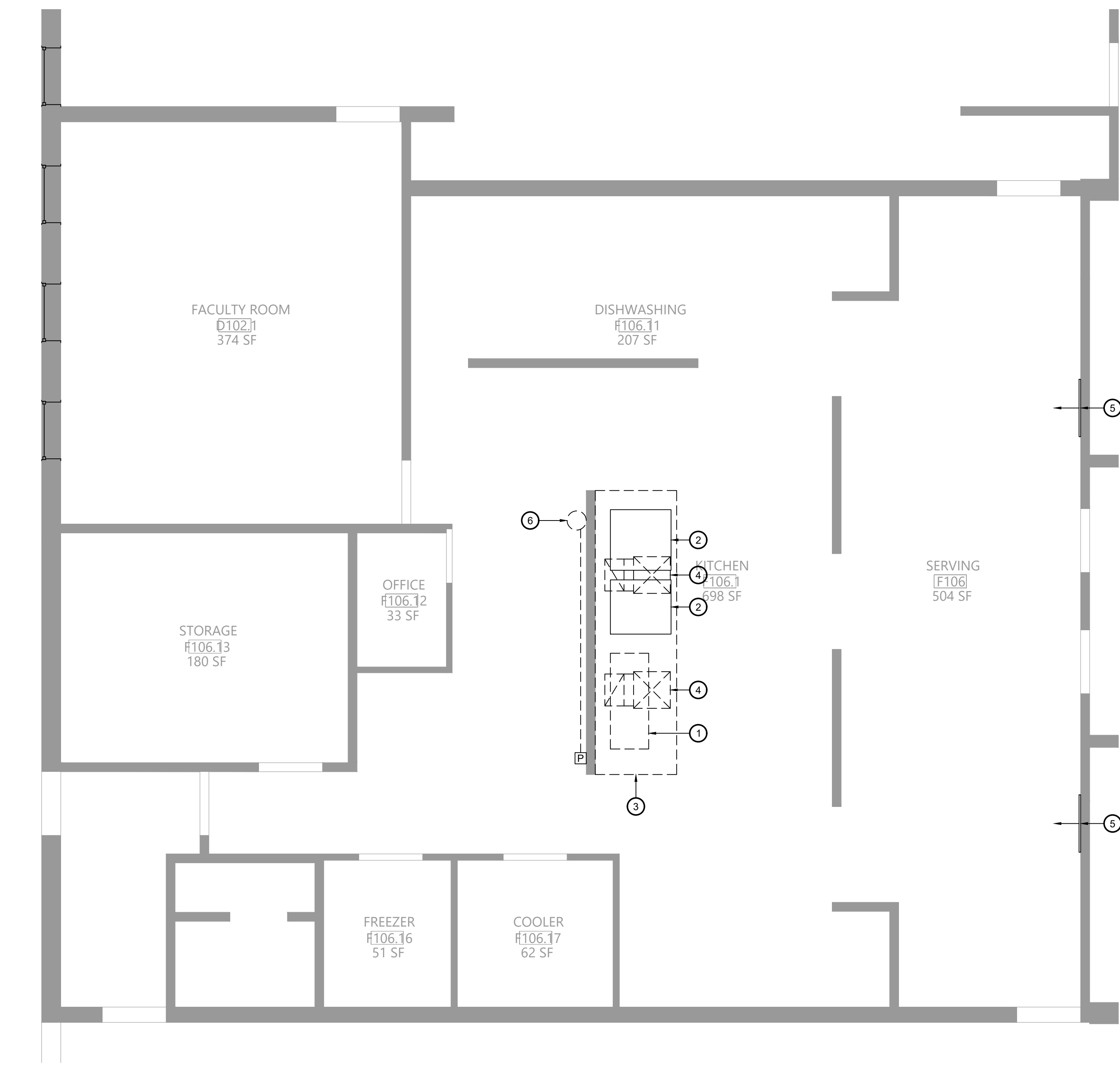
Sheet Title
PLUMBING
PLANS

Sheet No.
PMS
P111

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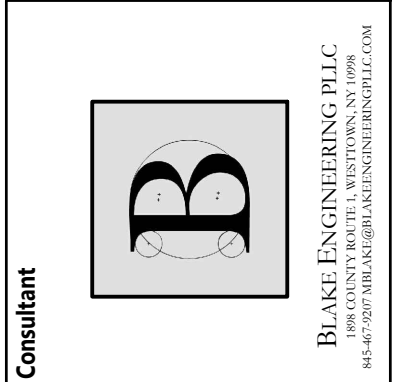
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1 Mechanical Demolition Plan
Scale: 1/4" = 1'-0"

Key Notes:

- EXISTING SINK TO BE REMOVED
- EXISTING CONVECTION OVEN TO BE REMOVED
- EXISTING KITCHEN HOOD TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
- EXISTING EXHAUST DUCTWORK AND EXHAUST FAN ON ROOF TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, CURB, ETC.
- EXISTING MAKEUP AIR GRILLE TO REMAIN
- EXISTING FIRE SUPPRESSION SYSTEM TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ENTIRE SYSTEM INCLUDING TANK, CONTROL HEAD, PIPING, CONDUIT, CABLING, PULL STATION, NOZZLES



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DISTRICT WIDE KITCHEN HOOD REPLACEMENT
POMONA MIDDLE SCHOOL

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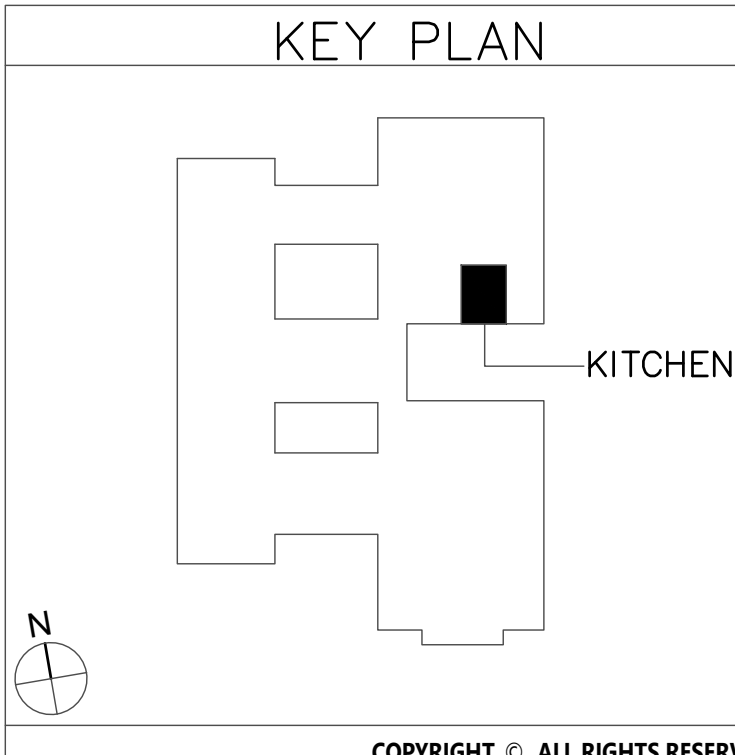
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CSArch Proj. #: 209-2003.01
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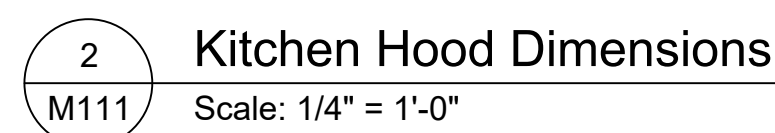
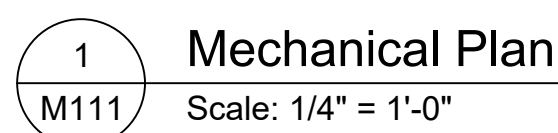
Sheet Title
MECHANICAL
DEMOLITION
PLAN

Sheet No.
PMS
M101

CONSTRUCTION DOCUMENTS



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- ① NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND 660-6224R, 310 MBH INPUT;
- ② NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-SG-20S, 120 MBH INPUT;
- ③ PROVIDE 1/4" HOD X 5 1/2" DEEP X 24" HIGH 304 SS CANOPY STYLE TYPE 1 KITCHEN HOOD WITH HOOD MOUNTED UTILITY CABINET; PROVIDE W/ CLOSURE PANELS ABOVE HOOD; MOUNT HOOD AT 84" ABOVE FINISHED FLOOR; SEE KITCHEN HOOD NOTES ON MG001
- ④ 12" DEEP UTILITY CABINET W/ COMPLETE R-102 FIRE SUPPRESSION SYSTEM INCLUDING ALL HOOD, SUPPLES, FUSIBLE LINKS, PIPING, CABLING, TANK(S), PULL STATION
- ⑤ PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM, INSTALL ON WALL AND CONVECTION OVEN HOOD UTILITY CABINET
- ⑥ EXISTING MAKEUP AIR GRILLE TO REMAIN
- ⑦ 20"x20" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-PMS

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BLAKE ENGINEERING PLLC
1406 COUNTY ROUTE 1, WESTTOWN, NY 10998
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DISTRICT WIDE KITCHEN HOOD REPLACEMENT
POMONA MIDDLE SCHOOL

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Proj. #:	50-04-02-06-7-999-005
CSArch Proj. #:	209-2003.01
Issued for Bid:	05/13/22

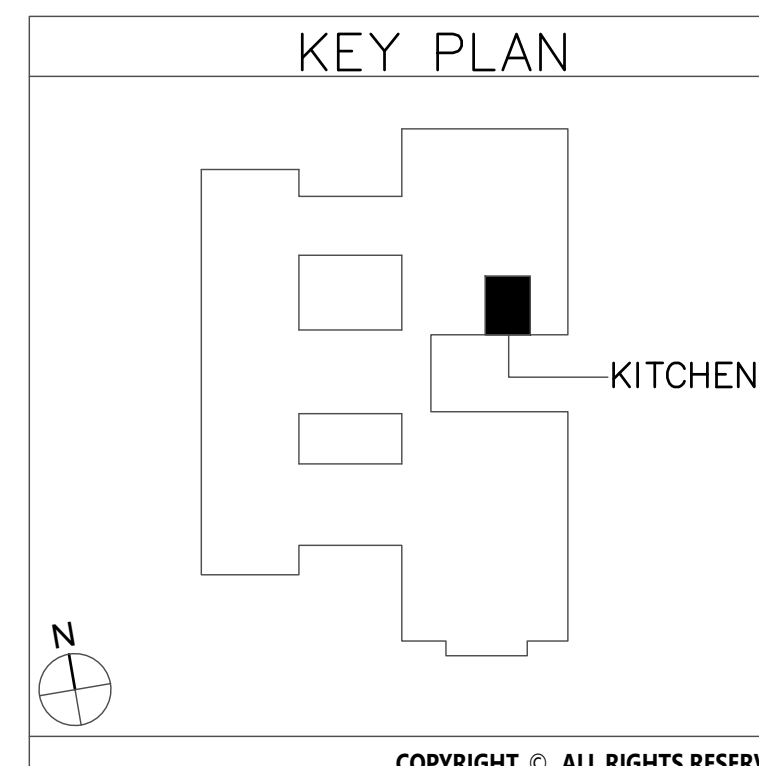
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MECHANICAL
PLAN

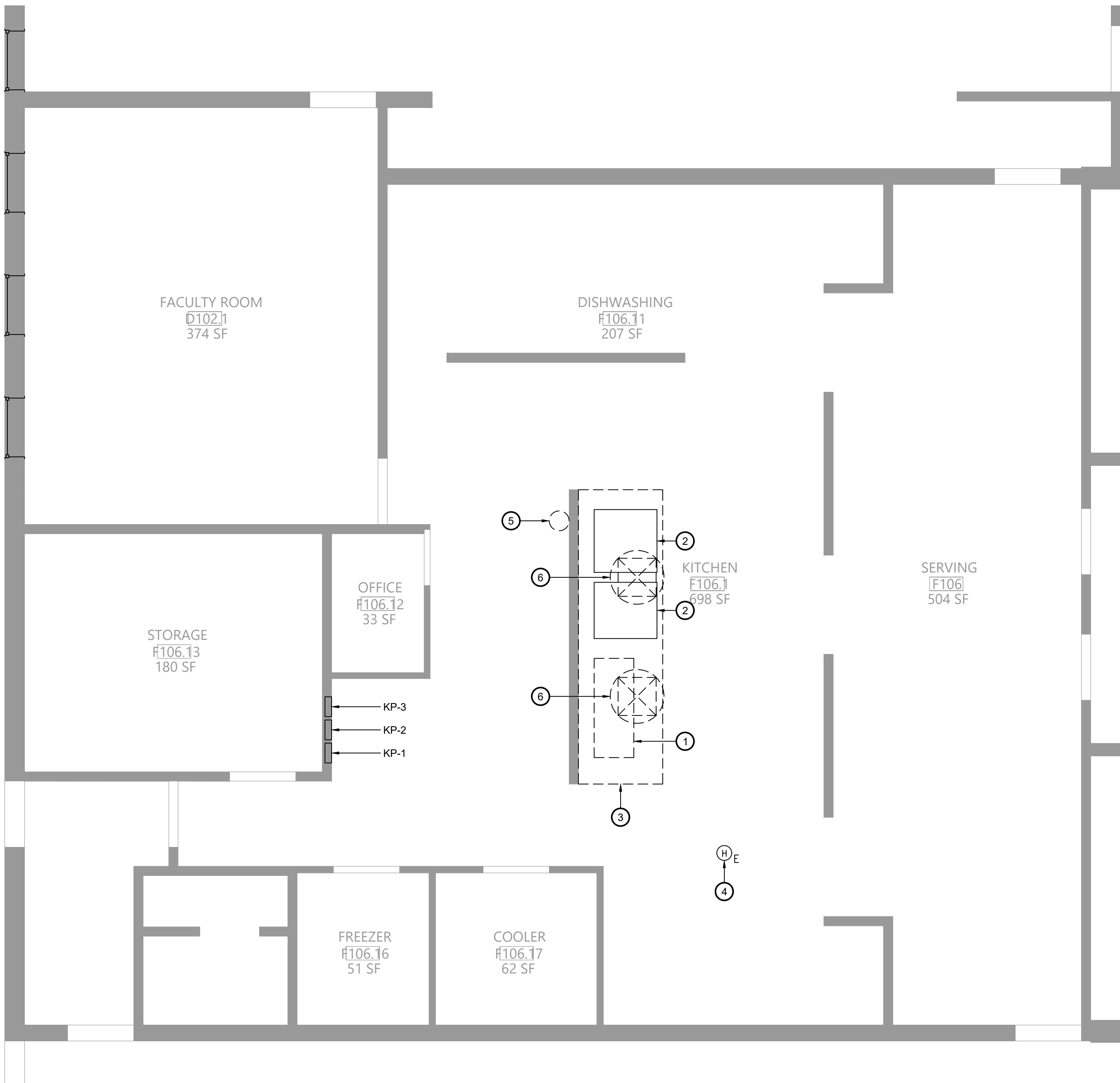
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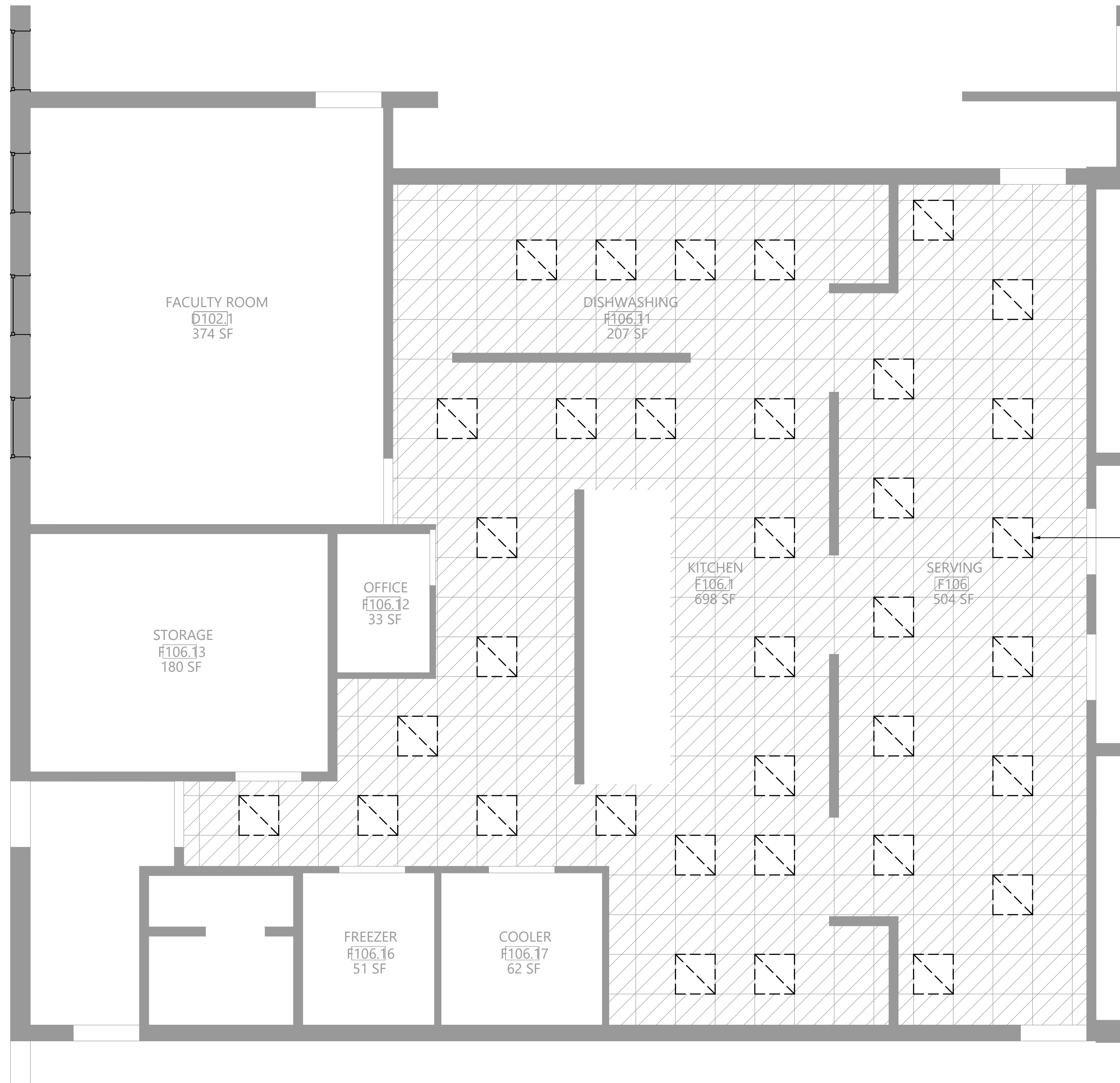
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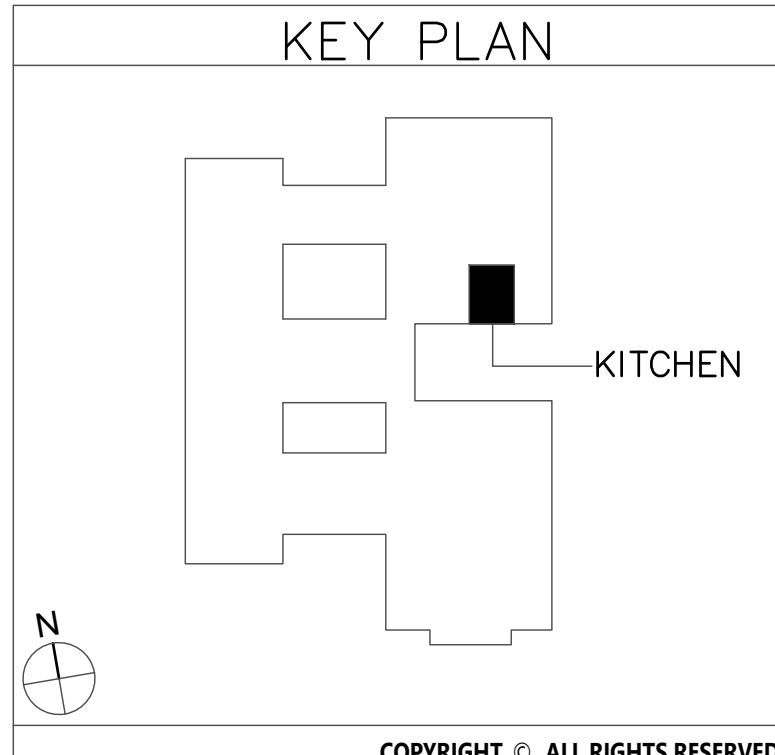
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1 Electrical Demolition Plan
Scale: 1/4" = 1'-0"



2 Lighting Demolition Plan
Scale: 1/4" = 1'-0"

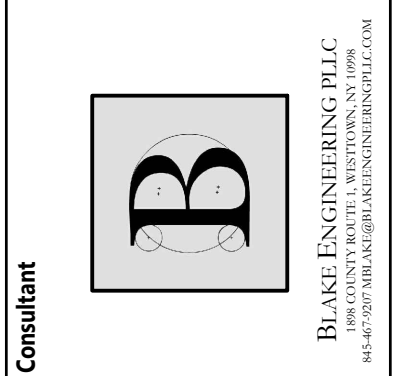


Key Notes:

- EXISTING SINK TO BE REMOVED
- EXISTING OVEN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
- EXISTING KITCHEN HOOD TO BE REMOVED; DISCONNECT & REMOVE POWER FOR LIGHTING BACK TO SOURCE
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING HEAT DETECTOR
- EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM TO BE REMOVED; DISCONNECT & REMOVE FIRE ALARM CONNECTION; MAINTAIN FOR RECONNECTION TO REPLACEMENT SUPPRESSION SYSTEM
- EXISTING EXHAUST FAN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE (FIELD VERIFY EXACT LOCATION); MAINTAIN CIRCUIT FOR RECONNECTION TO REPLACEMENT FAN

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DISTRICT WIDE KITCHEN HOOD REPLACEMENT
POMONA MIDDLE SCHOOL

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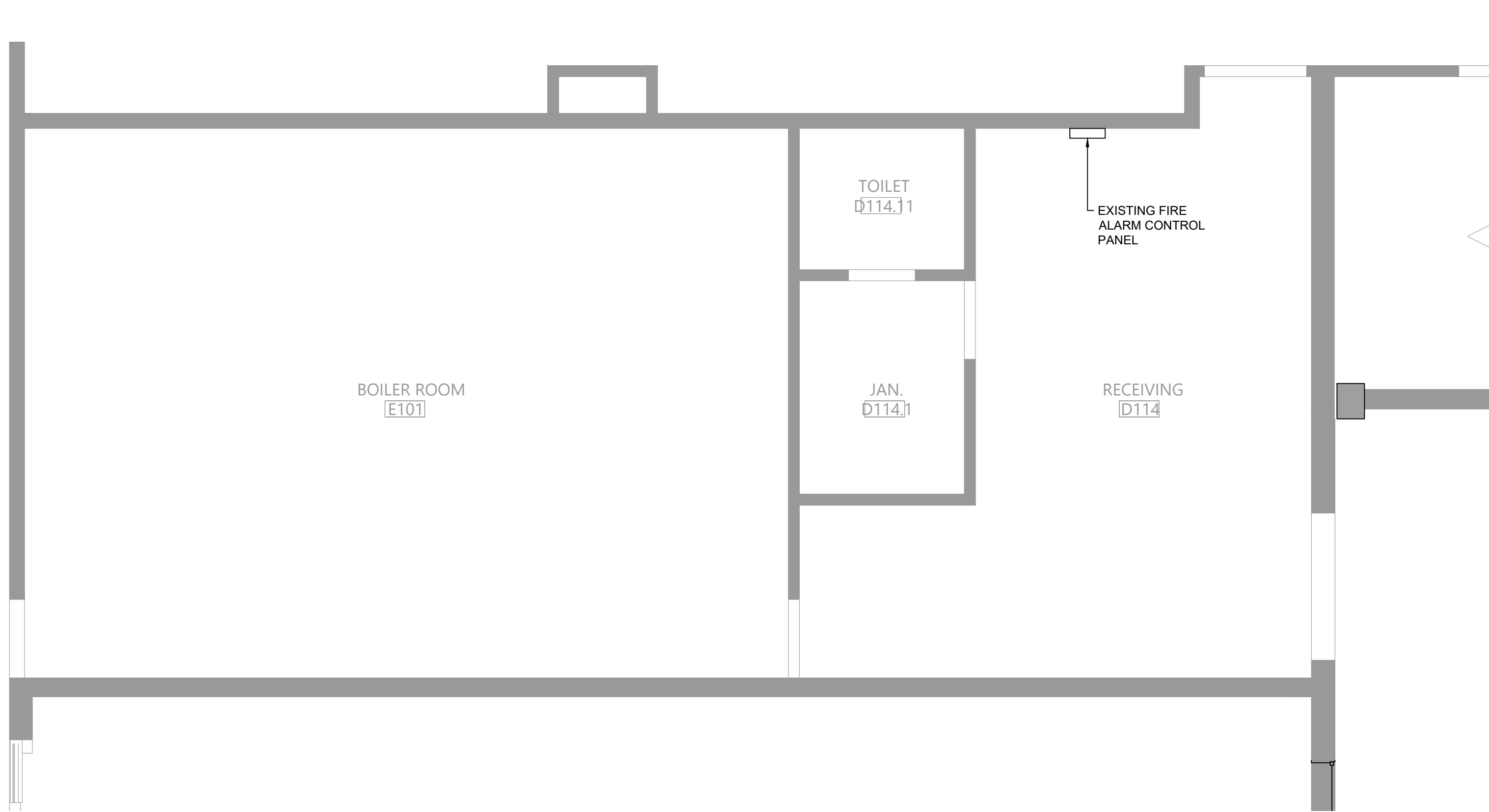
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CSArch Proj. #: 209-2003.01
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Sheet Title
ELECTRICAL
DEMOLITION
PLANS

Sheet No.
PMS
E101

CONSTRUCTION DOCUMENTS



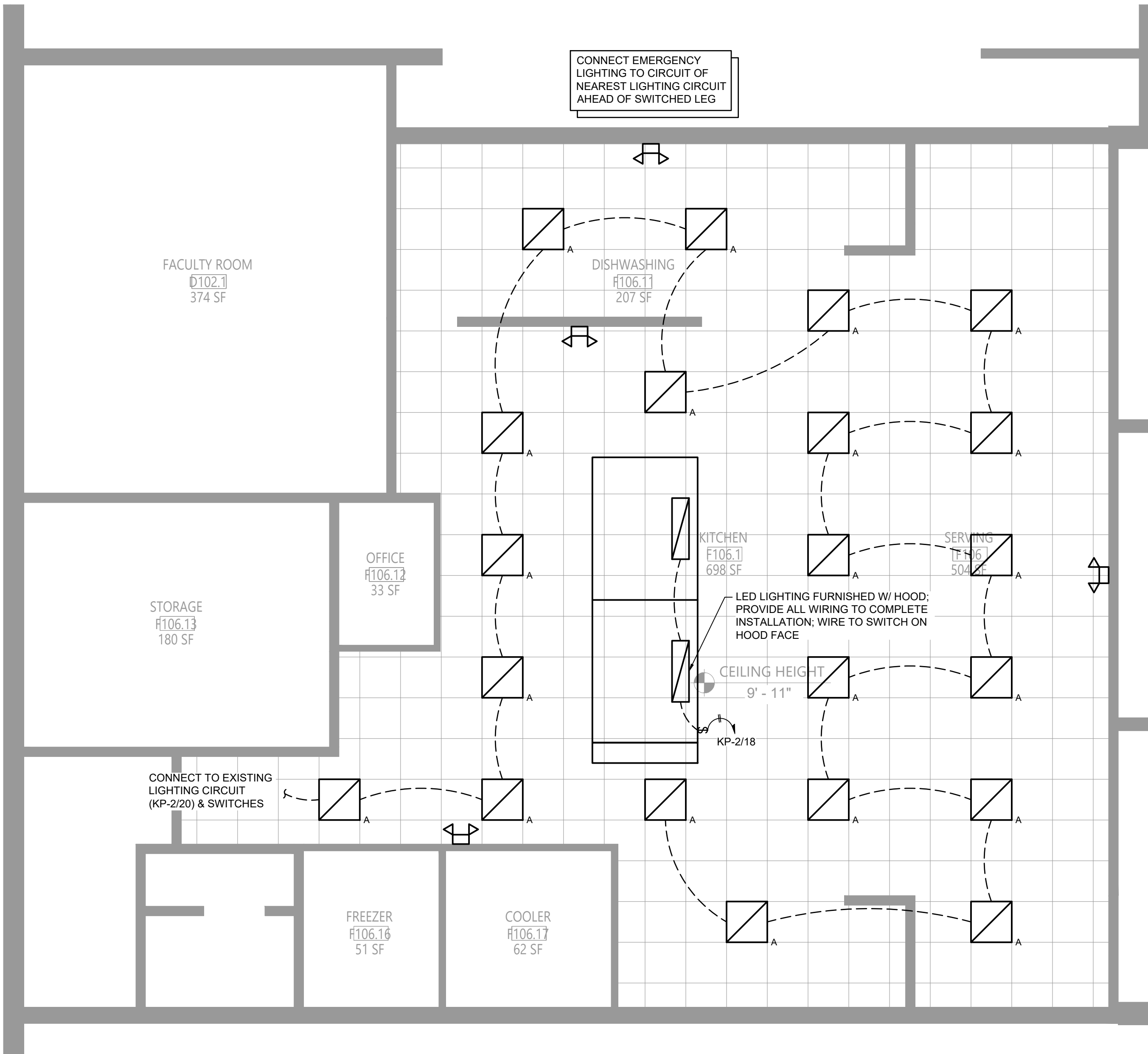
1 Lighting Plan
Scale: 1/4" = 1'-0"

120/208V 3Ø 4W+G				BUS RATING: 225A						MLO	
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER CAPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER CAPACITY	CONDUCTORS	CONNECTED LOAD	
EXISTING	EXISTING	20	1	-	-	-	2	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	3	-	-	-	4	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	5	-	-	-	6	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	7	-	-	-	8	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	9	-	-	-	10	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	11	-	-	-	12	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	13	-	-	-	14	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	15	-	-	-	16	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	17	-	-	-	18	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	19	-	-	-	20	20	EXISTING	EXISTING	
OVEN	(2) #12 CU & (1) #12 GND.	20	21	-	-	-	22	20	EXISTING	EXISTING	
OVEN	(2) #12 CU & (1) #12 GND.	20	23	-	-	-	24	20	(2) #12 CU & (1) #12 GND.	RANGE	
EXISTING	EXISTING	20	25	-	-	-	26	20	(2) #12 CU & (1) #12 GND.	HOOD CONTROL CIRCUIT	
			27	-	-	-	28	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	29	-	-	-	30	20	EXISTING	EXISTING	
			31	-	-	-	32	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	33	-	-	-	34	20	EXISTING	EXISTING	
			35	-	-	-	36	20	EXISTING	EXISTING	
OVEN	(2) #12 CU & (1) #12 GND.	20	37	-	-	-	38	20	EXISTING	EXISTING	
OVEN	(2) #12 CU & (1) #12 GND.	20	39	-	-	-	40	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	41	-	-	-	42	20	EXISTING	EXISTING	
METROPOLITAN PANEL				-KVA TOTAL							
<ul style="list-style-type: none">• PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS. BREAKERS SHALL MATCH EXISTING TYPE AND RATING• PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY. CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS											

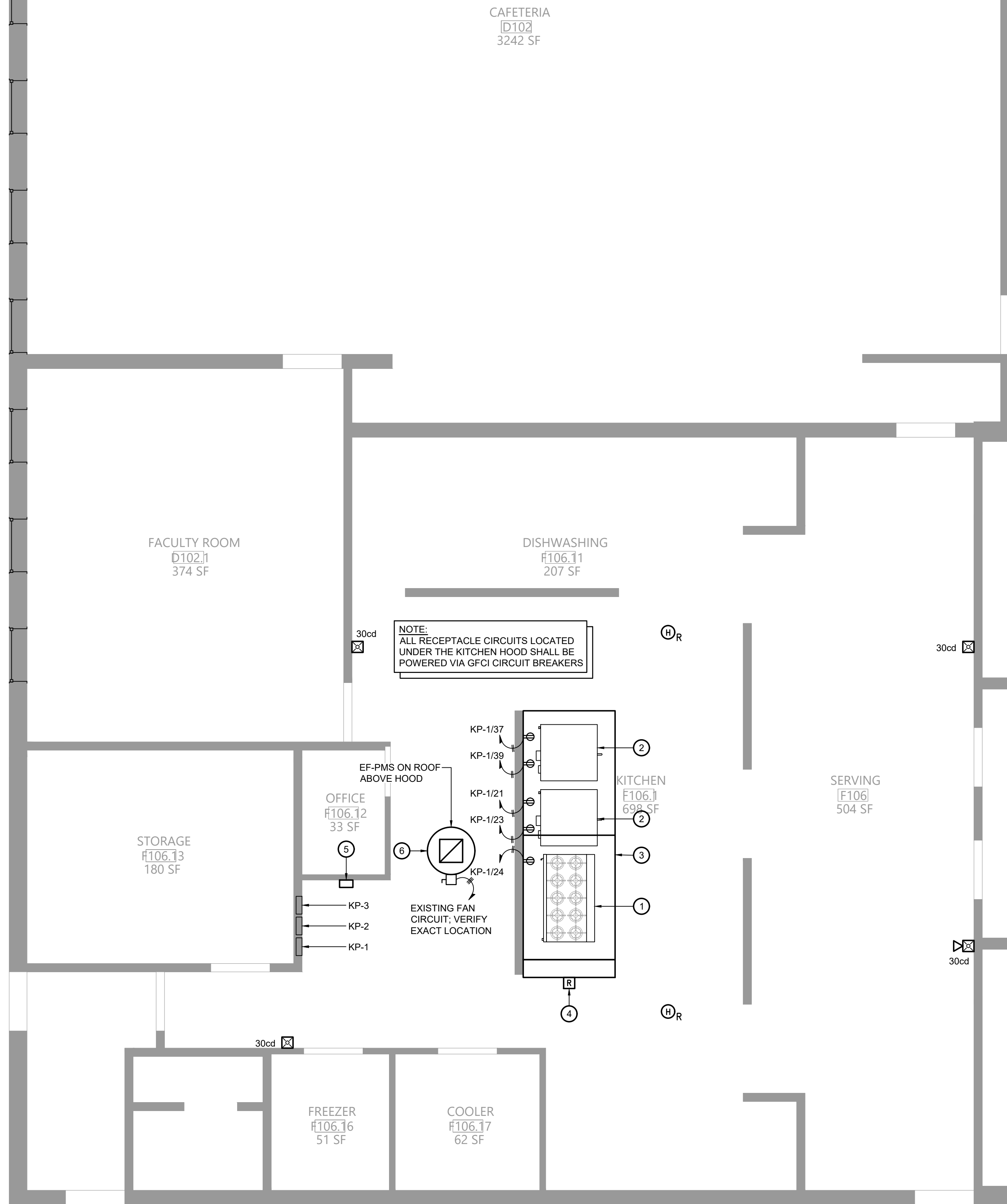
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Existing Kitchen Panelboard KP-1

3 Existing Kitchen Panelboard KP-1
Scale: None

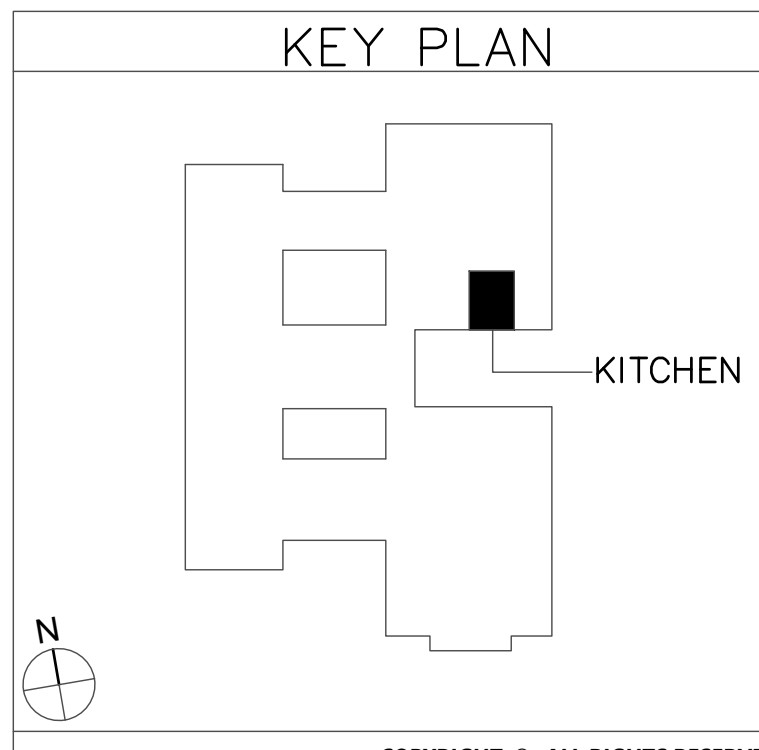


1 Lighting Plan
Scale: 1/4" = 1'-0"

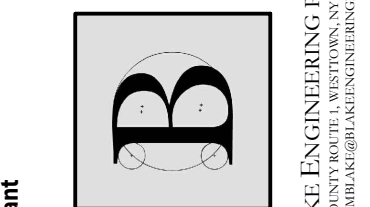


2 Electrical Plan
Scale: 1/4" = 1'-0"

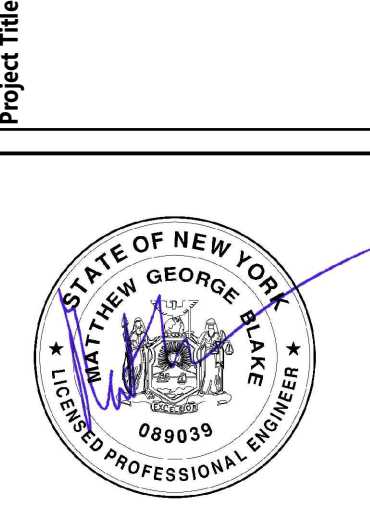
- Key Notes:
- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND G60-6024RR, 6 BURNER W/ GRIDDLE & OVEN, 310MBH INPUT; 120V W/ (2) NEMA 5-15P PLUG, 3.4A EACH
 - NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT; 120V W/ (2) NEMA 5-15P PLUGS, 9.8A EACH
 - KITCHEN HOOD; PROVIDE CIRCUITS FOR LIGHTING AND HOOD CONTROLS AS SHOWN; WIRE HOOD EXHAUST FAN POWER THRU HOOD CONTROLLER; SEE WIRING DIAGRAM ON SHEET EG001
 - UTILITY CABINET W/ HOOD CONTROLLER AND FIRE SUPPRESSION SYSTEM; CONNECT TO EXISTING BUILDING FIRE ALARM SYSTEM; SEE FIRE SUPPRESSION SYSTEM SEQUENCE OF OPERATIONS ON SHEET EG001
 - REMOTE CONTROL SWITCH IN ENCLOSURE TYPICAL OF ASCO 918 OR ACCEPTABLE EQUAL; 6 N/O AND 6 N/C CONTACTS; 120V CONTROL VOLTAGE; WIRE ALL CIRCUITS UNDER KITCHEN HOOD THRU CONTROL SWITCH; CONNECT TO HOOD CONTROLLER FOR CONTROL CIRCUIT & SHUNT TRIP
 - PROVIDE 3 POLE 20A CIRCUIT TO NEW EXHAUST FAN; CONNECT TO EXISTING PANEL; RUN POWER TO THE FAN ON THE ROOF; SEE WIRING DIAGRAM ON SHEET EG001
 - EXHAUST FAN MANUAL SWITCH MOUNTED ON FACE OF HOOD; WIRE EXHAUST FAN POWER THRU CONTROLLER IN HOOD UTILITY CABINET



EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
POMONA MIDDLE SCHOOL



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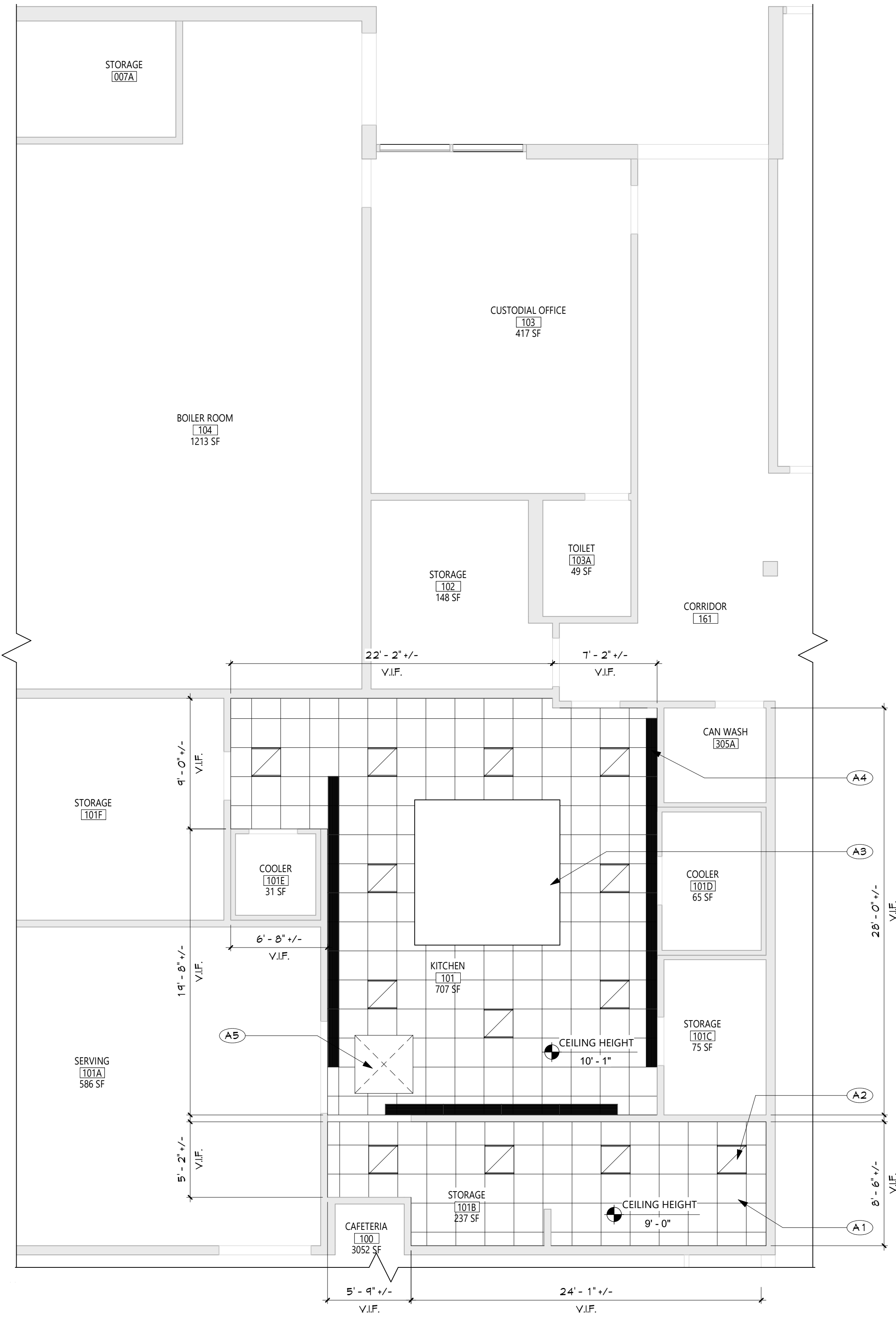
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05/13/23	ISSUED FOR BID
05/13/23	209-2003.01
05/13/23	50-04-02-06-7-999-005
05/13/23	MOB

Sheet Title	ELECTRICAL PLANS
Sheet No.	PMS E111

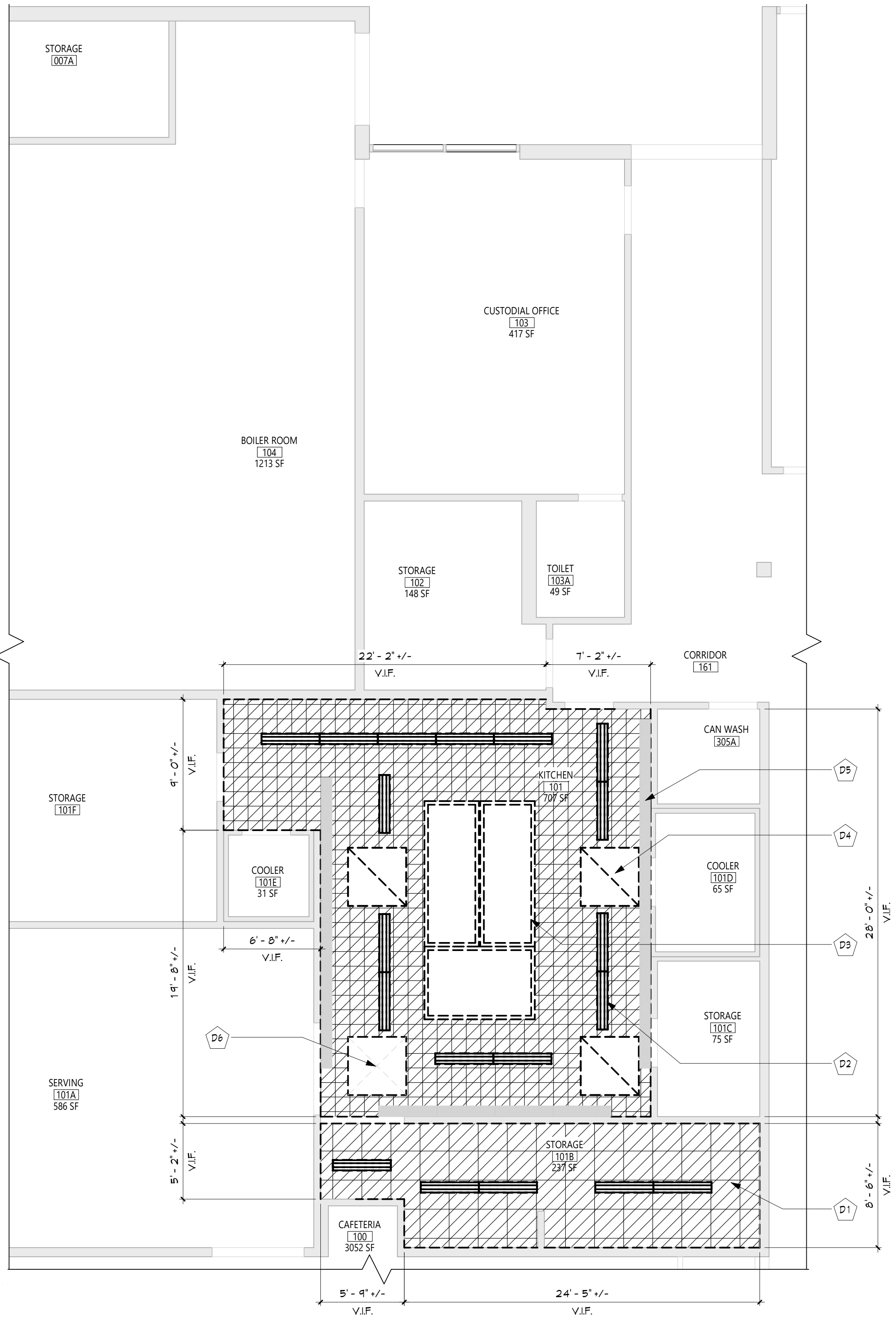
CONSTRUCTION DOCUMENTS

C:\Users\public\Documents\2019-2023 KAKIAT ES_mallek.rvt

2 KITCHEN - NEW WORK REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



1 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



GENERAL NOTES	
1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES. 2. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.	
CEILING NOTES	
1. INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED. 2. INSTALLATION HEIGHTS OF THE CEILING MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD. 3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.	
CEILING DEMOLITION LEGEND	
<div><div></div>EXISTING G/WB/PLASTER CEILING TO REMAIN</div> <div><div></div>EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN</div> <div><div></div>EXISTING G/WB/PLASTER CEILING TO BE REMOVED</div> <div><div></div>EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED</div> <div><div></div>CEILING HEIGHT ABOVE FINISHED FLOOR</div>	
CEILING NEW WORK LEGEND	
<div><div></div>EXISTING G/WB/PLASTER CEILING TO REMAIN</div> <div><div></div>EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN</div> <div><div></div>NEW G/WB/PLASTER CEILING</div> <div><div></div>NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM</div> <div><div></div>CEILING HEIGHT ABOVE FINISHED FLOOR</div>	
ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.	
<div><div></div>2'x4' LIGHT FIXTURE</div> <div><div></div>2'x2' LIGHT FIXTURE</div> <div><div></div>1'x LIGHT FIXTURE</div> <div><div></div>PENDANT LIGHT FIXTURE</div> <div><div></div>RECESSED DOWN LIGHT</div> <div><div></div>CEILING MOUNTED EXIT SIGN</div> <div><div></div>CEILING MOUNTED OCCUPANCY SENSOR</div> <div><div></div>CEILING MOUNTED SMOKE DETECTOR</div> <div><div></div>CEILING MOUNTED HEAT DETECTOR</div> <div><div></div>CEILING MOUNTED PA SPEAKER</div> <div><div></div>CEILING MOUNTED SECURITY J-BOX</div> <div><div></div>CEILING MOUNTED MOTION SENSOR</div> <div><div></div>CEILING MOUNTED DATA J-BOX</div>	
MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.	
<div><div></div>HVAC SUPPLY GRILLE</div> <div><div></div>HVAC RETURN GRILLE</div>	
DEMOLITION KEY NOTES	
<div><div></div>DESCRIPTION</div> <div>D1 REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH MECH DWGS</div> <div>D2 EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.</div> <div>D3 EXIST. KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.</div> <div>D4 REMOVE EXIST. TRANSLUCENT CEILING TILES.</div> <div>D5 EXIST. CLG MOUNTED MECH GRILLE. TO BE REINSTALLED WITH NEW WORK. COORD. W/ MECH DWGS</div> <div>D6 EXIST. CLG OPENING THRU ROOF TO REMAIN.</div>	
NEW WORK KEY NOTES	
<div><div></div>DESCRIPTION</div> <div>A1 PROVIDE NEW SUSPENDED CLG. COORD. WITH NEW MECH WORK. SEE SPECS</div> <div>A2 NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.</div> <div>A3 NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.</div> <div>A4 EXIST. CLG MOUNTED MECH GRILLE. COORD. W/ MECH DWGS</div> <div>A5 EXIST. CLG OPENING THRU ROOF TO REMAIN.</div>	
KEY PLAN	
<div><div></div>KITCHEN</div> <div><div></div></div>	

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EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
KAKIAT ELEMENTARY SCHOOL

Project Title

REGISTERED ARCHITECT
NEW YORK
023344

1	DATE	DESCRIPTION
1		

Drawn By: CS4

Checked By: CS4

Proj. #: 50-04-02-86-7-999-005

CSArch Proj. #: 209-2003.01

Issued for Bid: 05/13/23

Sheet Title

ENLARGED
KITCHEN
PLANS

Sheet No.

KES
A101

CONSTRUCTION DOCUMENTS

1 PARTIAL ROOF PLAN

A102 $\frac{3}{16}'' = 1'-0''$






GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.






CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNLESS ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

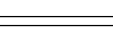












CEILING DEMOLITION LEGEND

- | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | EXISTING GAB/PLASTER CEILING TO REMAIN |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN |
|  | EXISTING GAB/PLASTER CEILING TO BE REMOVED |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED |
|  | CEILING HEIGHT ABOVE FINISHED FLOOR |

CEILING NEW WORK LEGEND

- | | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
|  | EXISTING GNB/PLASTER CEILING TO REMAIN |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN |
|  | NEW GNB/PLASTER CEILING |
|  | NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM |
|  | CEILING HEIGHT ABOVE FINISHED FLOOR |


ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- | | |
|---------------------------------------------------------------------------------------|----------------------------------|
|  | 2'x4' LIGHT FIXTURE |
|  | 2'x2' LIGHT FIXTURE |
|  | 1'x LIGHT FIXTURE |
|  | PENDANT LIGHT FIXTURE |
|  | RECESSED DOWN LIGHT |
|  | CEILING MOUNTED EXIT SIGN |
|  | CEILING MOUNTED OCCUPANCY SENSOR |
|  | CEILING MOUNTED SMOKE DETECTOR |
|  | CEILING MOUNTED HEAT DETECTOR |
|  | CEILING MOUNTED PA SPEAKER |
|  | CEILING MOUNTED SECURITY J-BOX |
|  | CEILING MOUNTED MOTION SENSOR |
|  | CEILING MOUNTED DATA J-BOX |

MECHANICAL EQUIPMENT, REFER TO MECHANICAL
DRAWINGS FOR ADDITIONAL INFORMATION.

- | | |
|---------------------------------------------------------------------------------------|--------------------|
|  | HVAC SUPPLY GRILLE |
| | HVAC RETURN GRILLE |

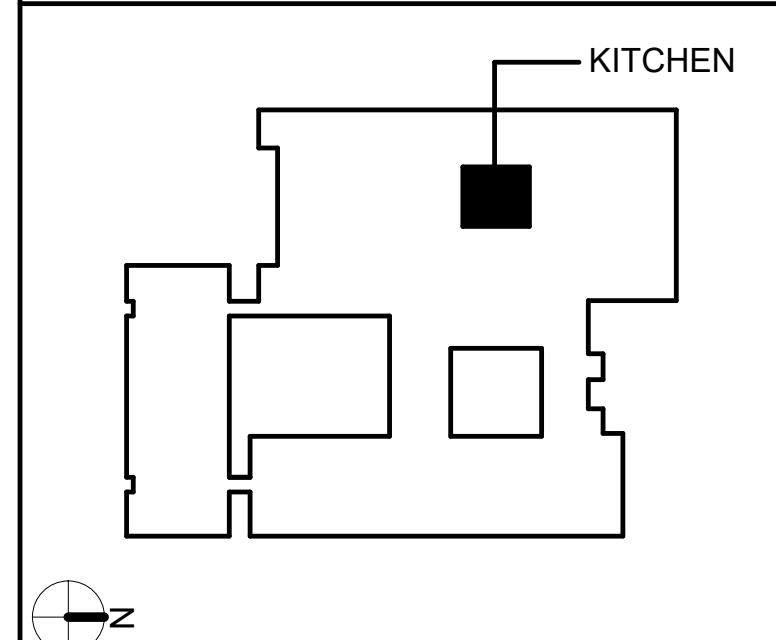
DEMOLITION KEY NOTES

- |  | DESCRIPTION |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| D7 | EXISTING EXHAUST FAN ON ROOF TO BE REMOVED. EXISTING ROOF OPENING TO REMAIN. SEE MECH DWGS FOR DETAILS. |

NEW WORK KEY NOTES

- | # | DESCRIPTION |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A6 | NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE WITH MC FOR LOCATION AND SIZE. |

KEY PLAN



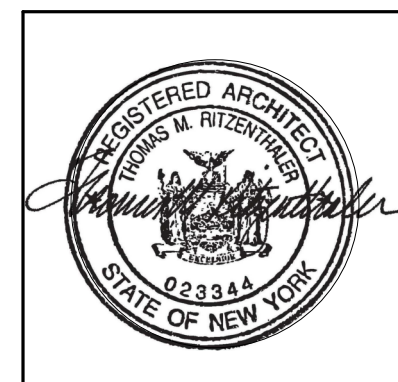
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DISTRICT WIDE KITCHEN HOOD REPLACEMENT
KAKIAT ELEMENTARY SCHOOL

Project Title



1		
	DATE	DESCRIPTION

Drawn By:	CSA
Checked By:	CSA
Proj. #:	50-04-02-06-7-999-000
CSArch Proj. #:	209-2003.0
Issued for Bid:	05/13/2004

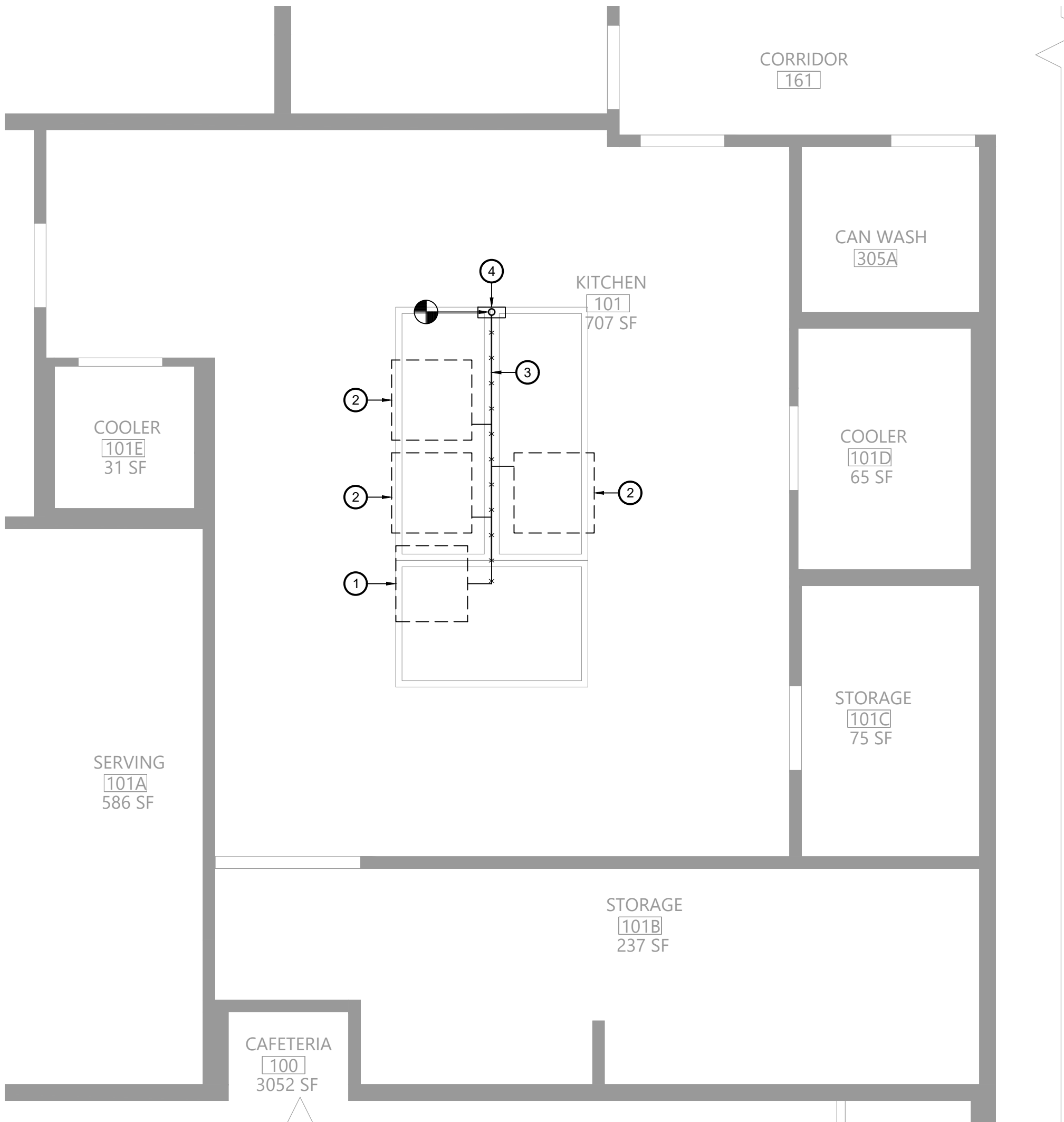
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PARTIAL ROOF
PLAN

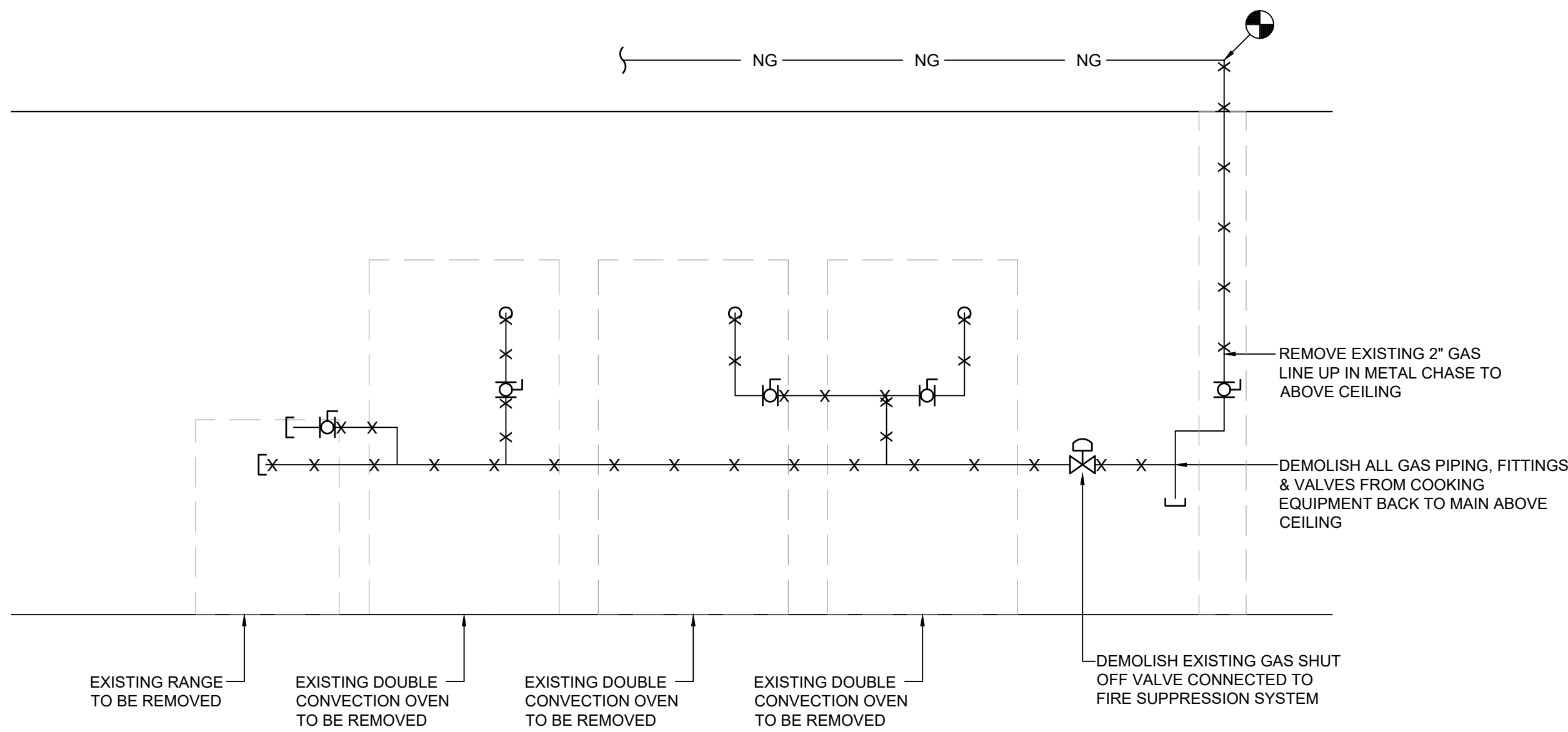
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CONSTRUCTION DOCUMENTS

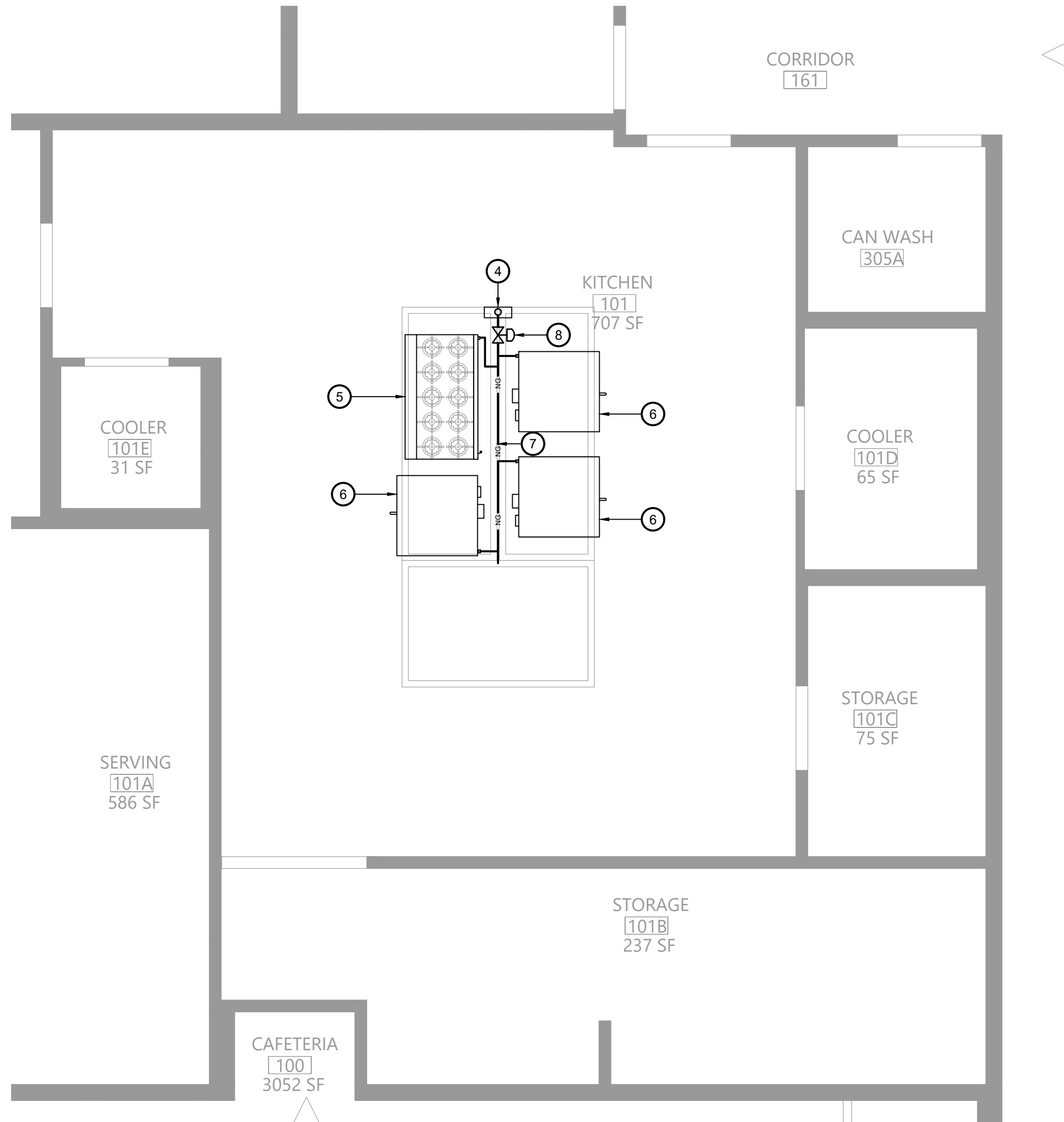
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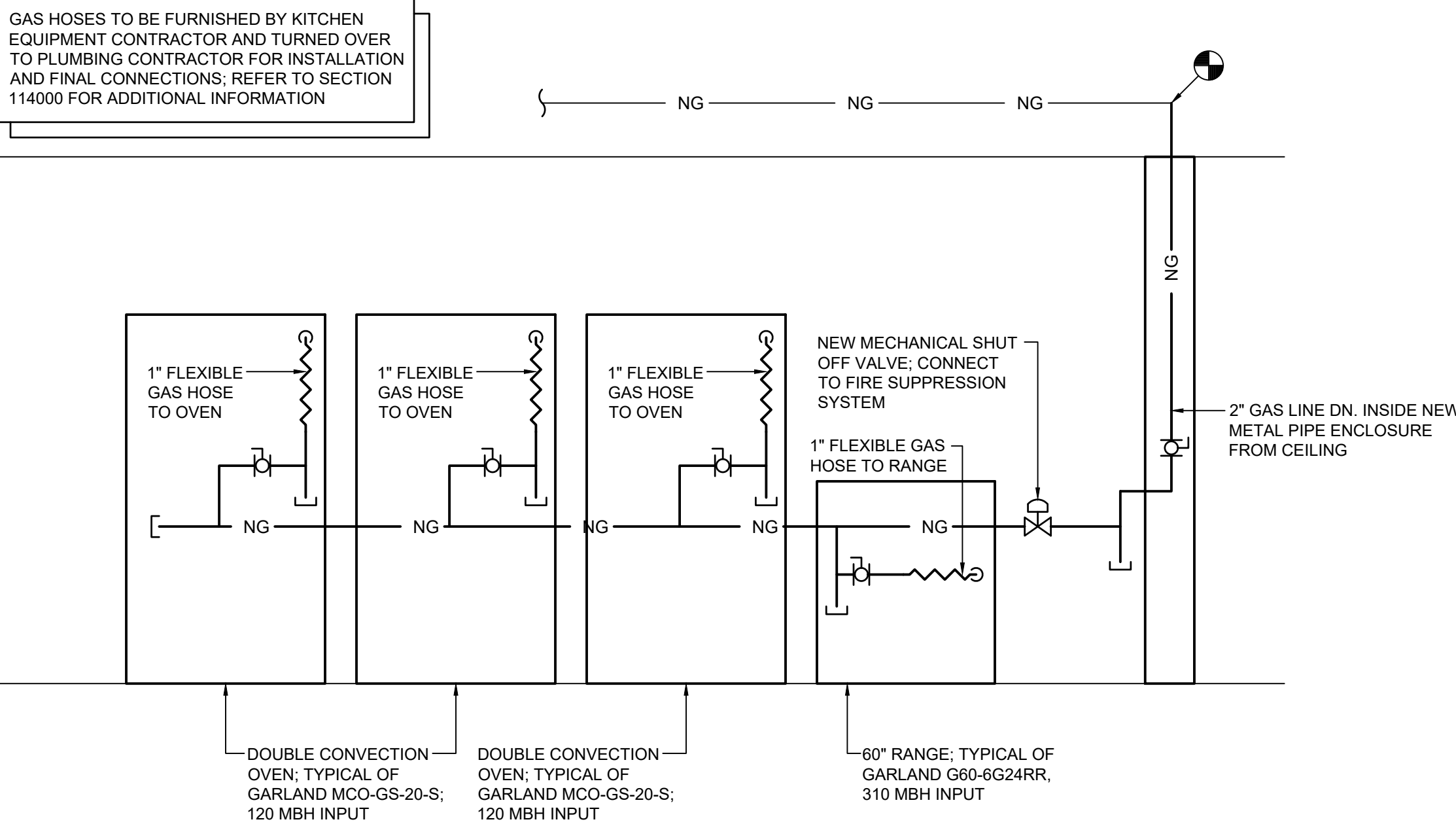
1 Plumbing Demolition Plan
P111 Scale: 1/4" = 1'-0"



2 Gas Piping Demolition Diagram
P111 N.T.S.



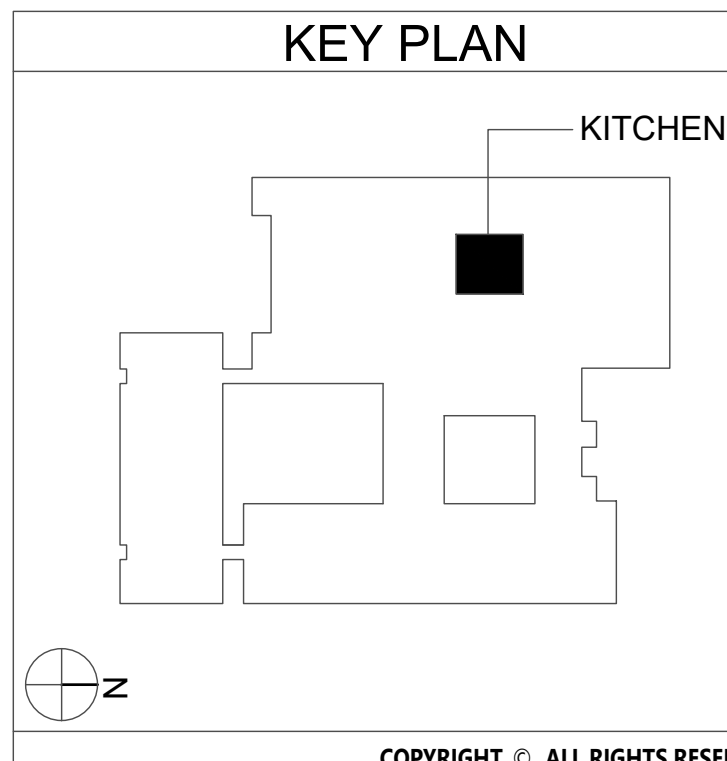
3 Plumbing Plan
P111 Scale: 1/4" = 1'-0"



4 Gas Piping Diagram
P111 N.T.S.

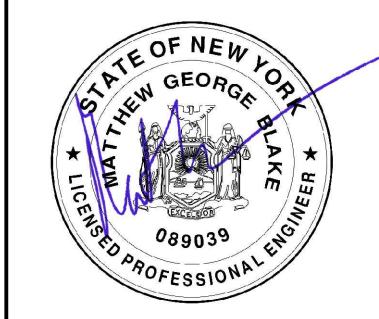
Key Notes:

- EXISTING RANGE TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
- EXISTING OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
- EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
- EXISTING 2" GAS PIPING AND 1" DOMESTIC COLD & HOT WATER PIPING DN, FROM CEILING TO FLOOR THRU KITCHEN HOOD TO STAINLESS STEEL ENCLOSURE; REMOVE PIPING & ENCLOSURE TO ALLOW FOR REMOVAL OF HOOD; CAP DOMESTIC WATER PIPING ABOVE CEILING; RUN NEW 2" GAS LINE DN, INSIDE NEW STAINLESS STEEL PIPING ENCLOSURE FROM CEILING TO FLOOR; PROVIDE ADDITIONAL SPACE INSIDE PIPING ENCLOSURE FOR ELECTRICAL CONDUITS AS NEEDED. COORDINATE W/ ELECTRICAL CONTRACTOR
- 60" RANGE TYPICAL OF GARLAND G60-6G24RR; 310 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
- DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
- PROVIDE 2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS
- PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM



EAST RAMAPO CENTRAL SCHOOL DISTRICT DISTRICT WIDE KITCHEN HOOD REPLACEMENT KAKIAT ELEMENTARY SCHOOL

Project Title



DATE	DESCRIPTION

Drawn By: BJK
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Proj. #: 50-04-02-067-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

Sheet Title

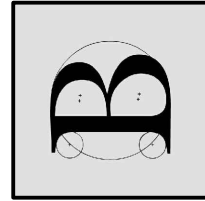
PLUMBING
PLANS

Sheet No.

KES
P111

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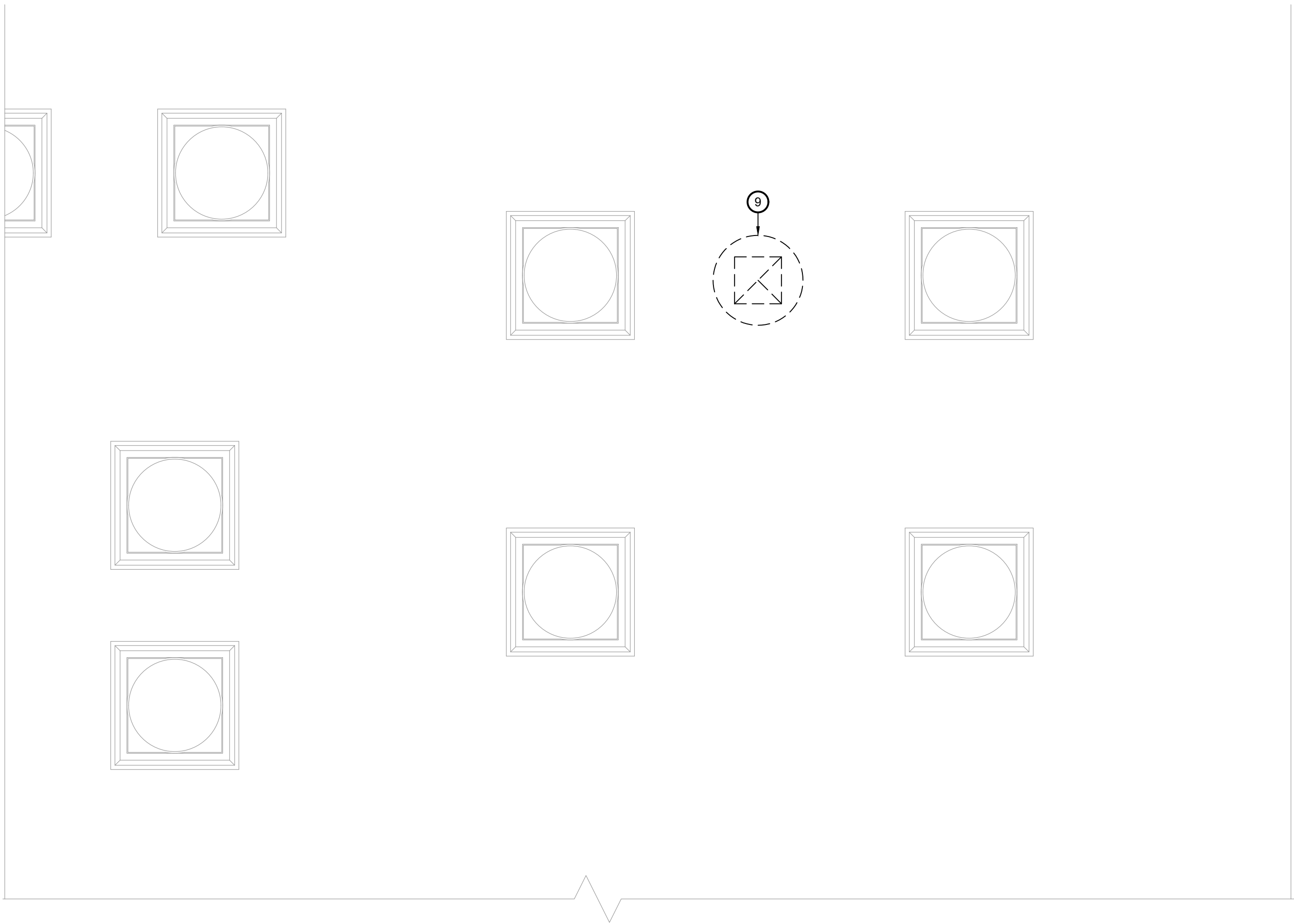


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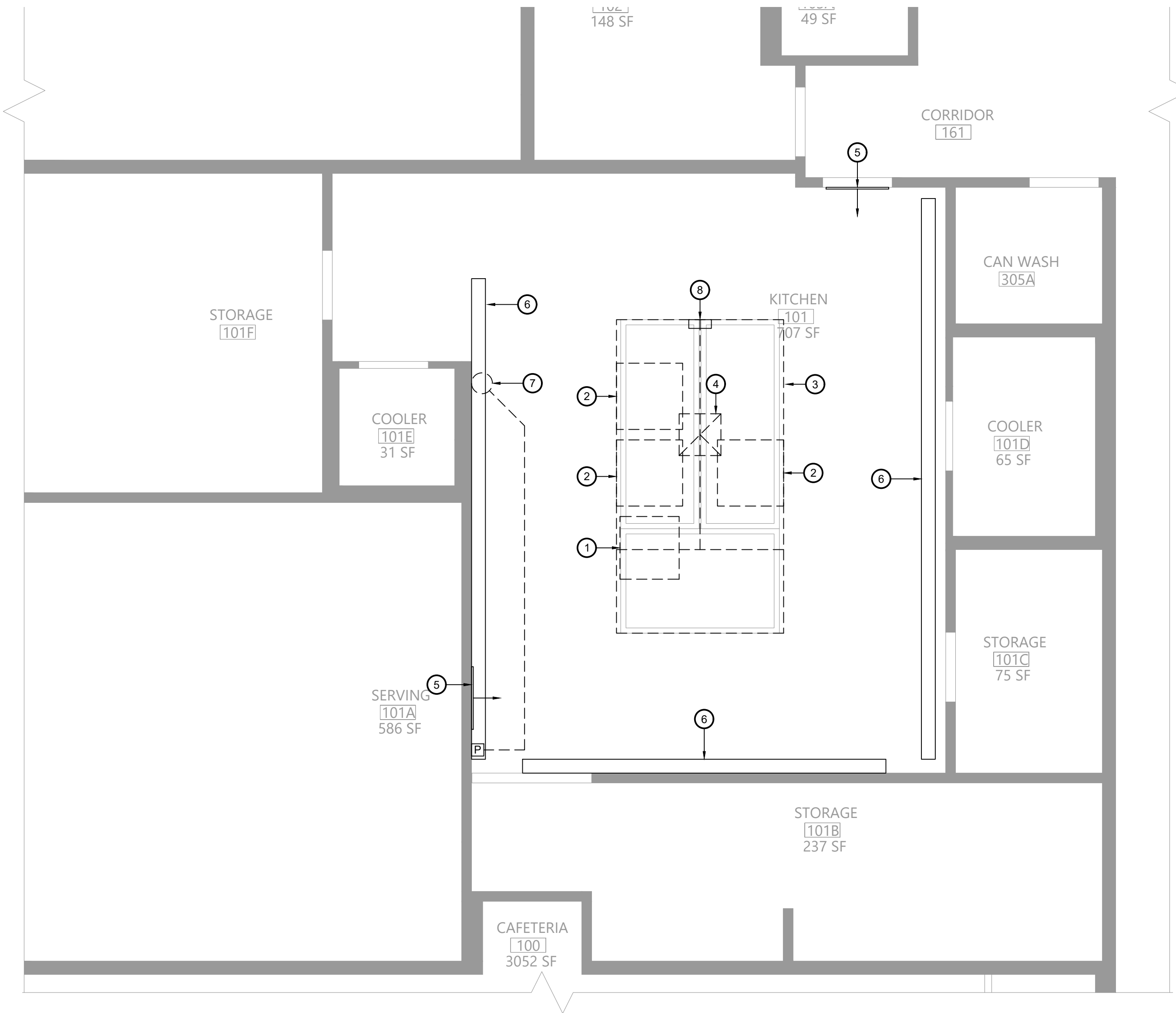
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1 Roof Mechanical Demolition Plan
Scale: 1/4" = 1'-0"



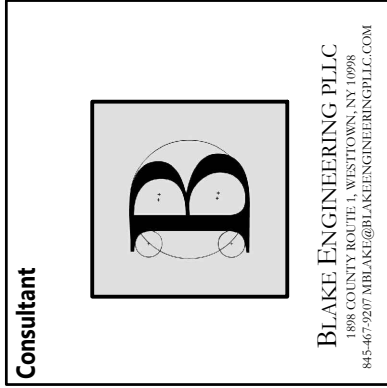
2 First Floor Mechanical Demolition Plan
Scale: 1/4" = 1'-0"

Key Notes:

- EXISTING RANGE TO BE REMOVED
- EXISTING OVEN TO BE REMOVED
- EXISTING KITCHEN HOOD TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
- EXISTING EXHAUST DUCTWORK AND EXHAUST FAN ON ROOF TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, CURB, ETC.
- EXISTING MAKEUP AIR TRANSFER GRILLE TO REMAIN
- EXISTING CEILING MTD. LINEAR SUPPLY AIR GRILLE TO REMAIN
- EXISTING FIRE SUPPRESSION SYSTEM TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. REMOVE ENTIRE SYSTEM INCLUDING TANK, CONTROL HEAD, PIPING, CONDUIT, CABLING, PULL STATION, NOZZLES
- EXISTING GAS PIPING, DOMESTIC WATER PIPING AND STAINLESS STEEL PIPING ENCLOSURE TO BE REMOVED BY PLUMBING CONTRACTOR
- EXISTING EXHAUST FAN TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, CURB, ETC.

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EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
KAKIAT ELEMENTARY SCHOOL

Project Title



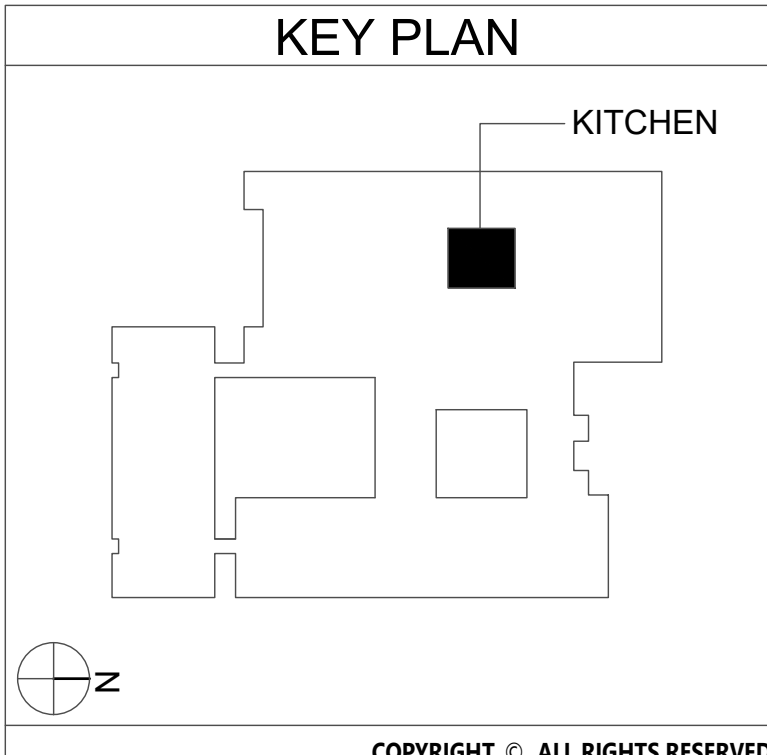
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CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

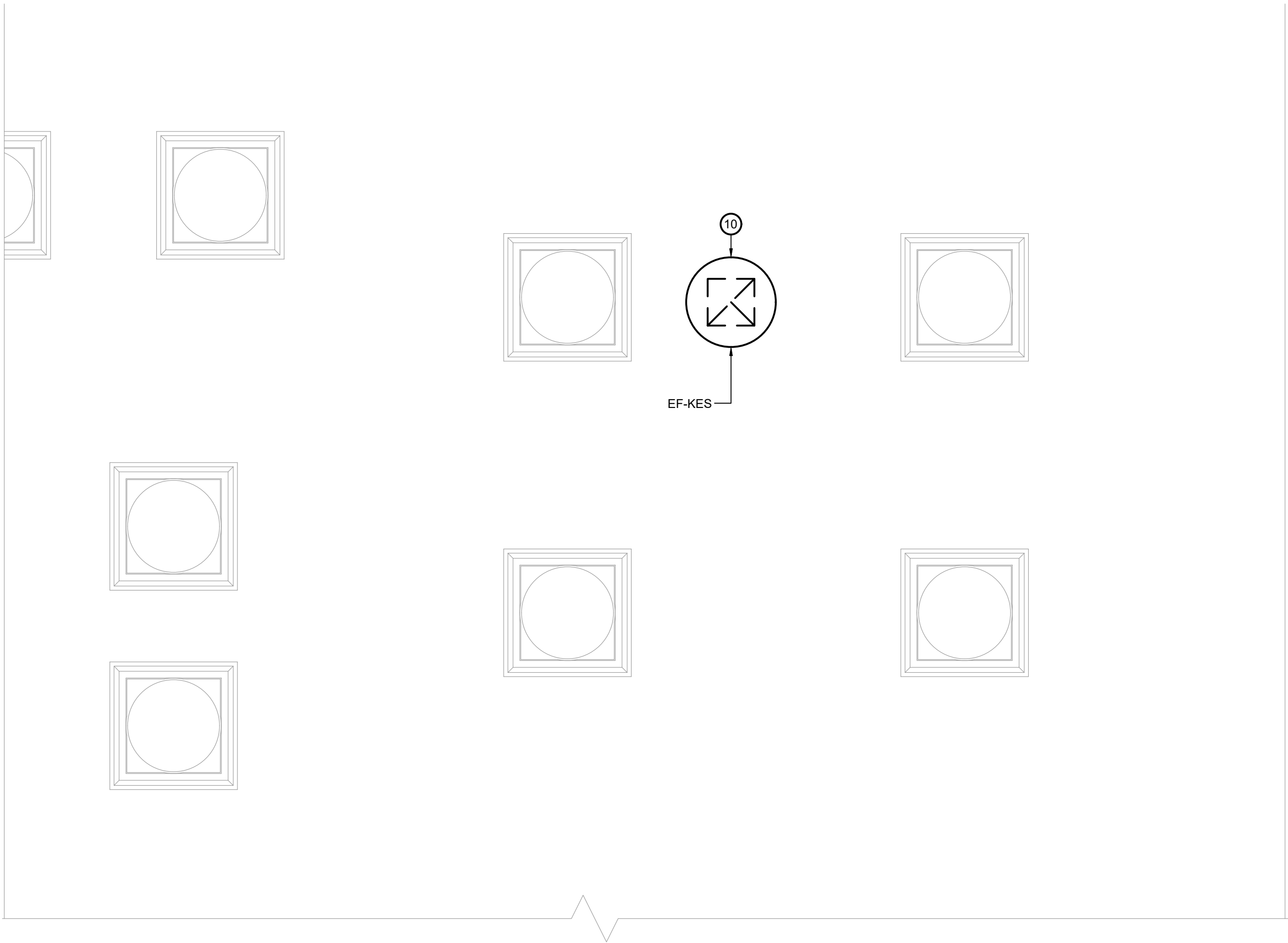
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MECHANICAL
DEMOLITION
PLANS

Sheet No.
KES
M101

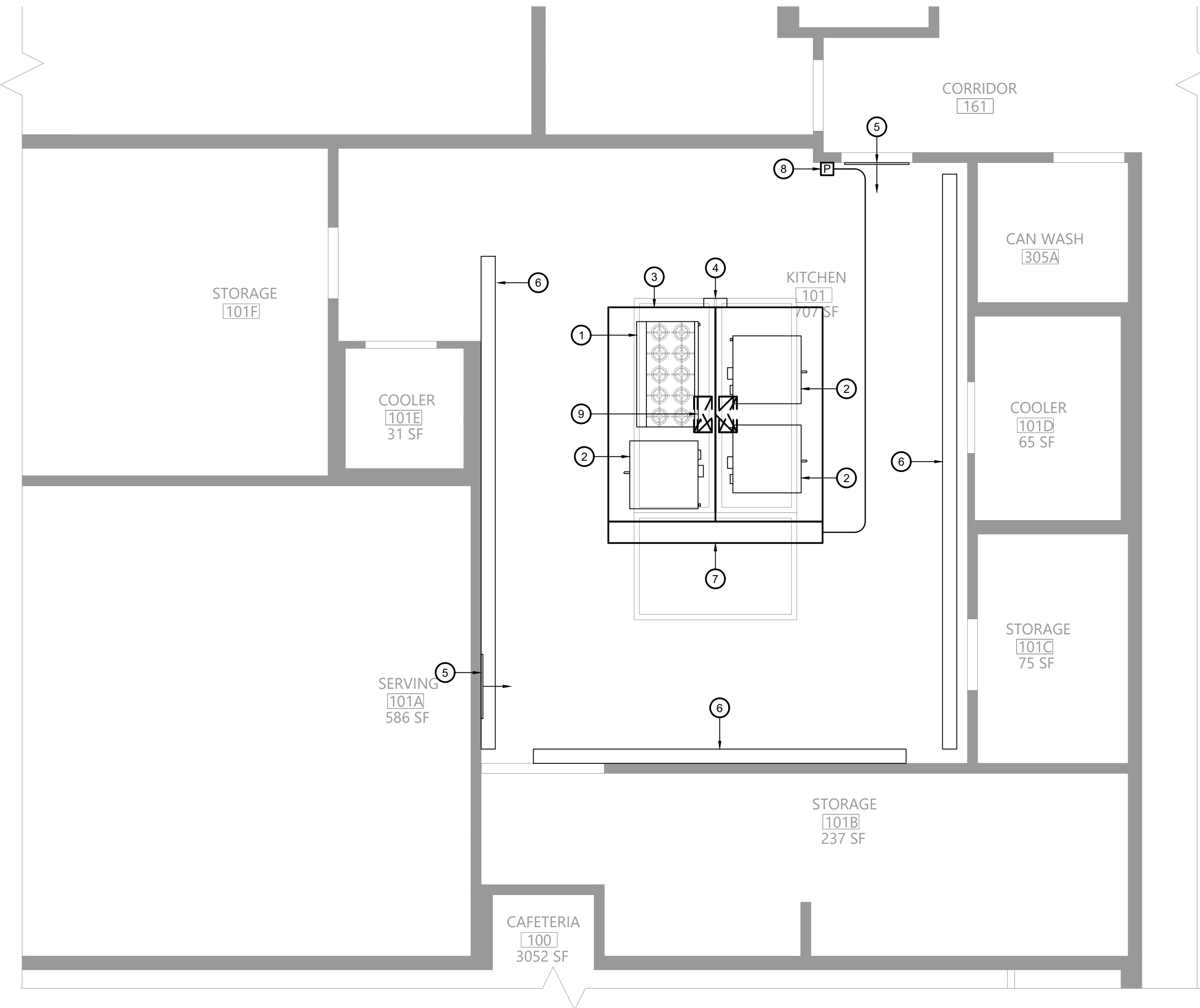
CONSTRUCTION DOCUMENTS



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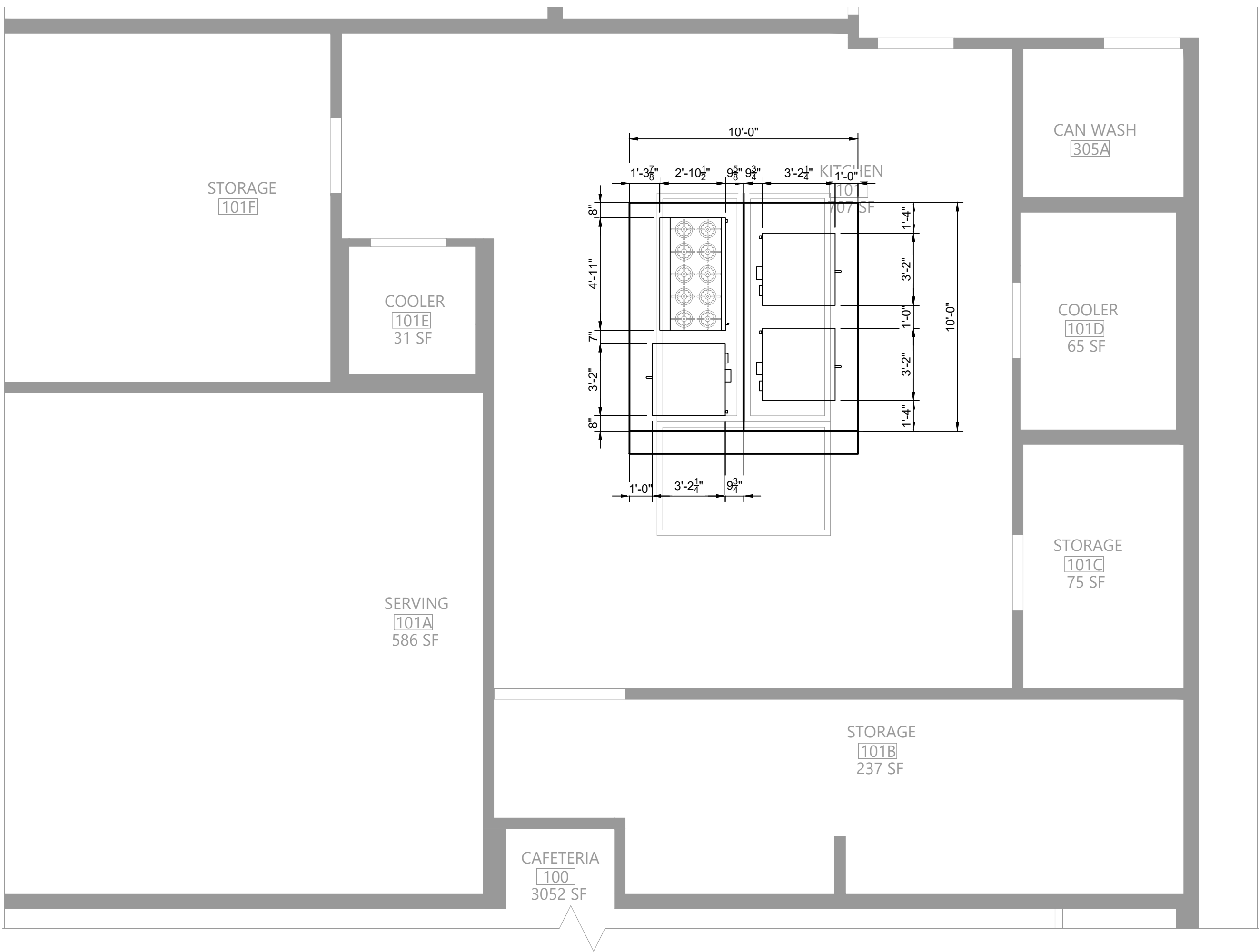
1 Roof Mechanical Plan
Scale: 1/4" = 1'-0"



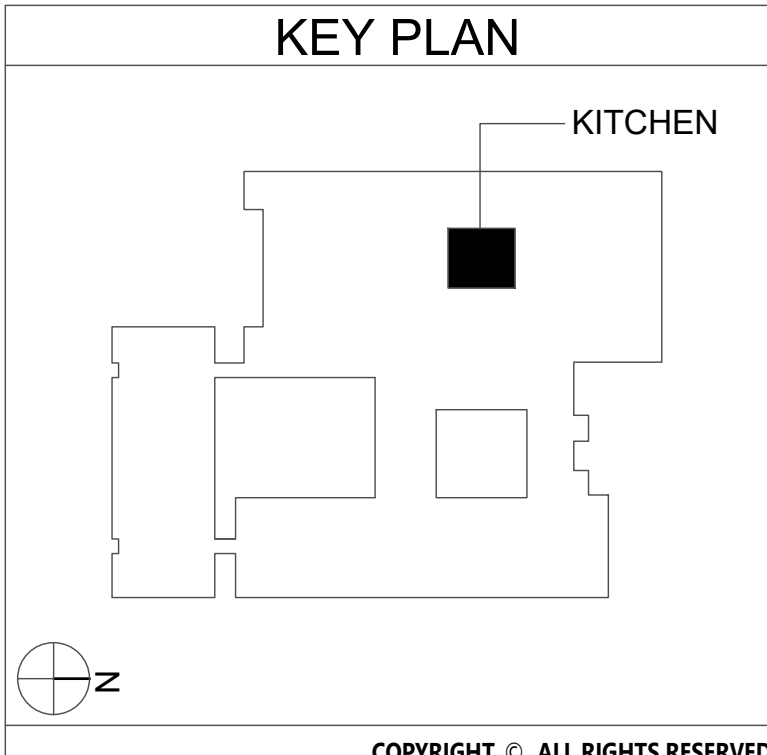
2 First Floor Mechanical Plan
Scale: 1/4" = 1'-0"

Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND G60-G24RR, 310 MBH INPUT;
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT;
- PROVIDE 10'-0" LONG x 10'-0" DEEP x 24" HIGH 304 SS DOUBLE ISLAND STYLE TYPE I KITCHEN HOOD W/ HOOD MOUNTED UTILITY CABINET; PROVIDE W/ CLOSURE PANELS ABOVE HOOD; MOUNT HOOD AT 84" ABOVE FINISHED FLOOR; SEE KITCHEN HOOD NOTES ON M3001
- GAS PIPING AND STAINLESS STEEL PIPING ENCLOSURE FROM CEILING TO FLOOR BY PLUMBING CONTRACTOR; COORDINATE LOCATION WITH HOOD LAYOUT
- EXISTING MAKEUP AIR TRANSFER GRILLE TO REMAIN
- EXISTING CEILING MTD. LINEAR SUPPLY AIR GRILLE TO REMAIN
- 12" DEEP UTILITY CABINET W/ COMPLETE R-102 FIRE SUPPRESSION SYSTEM INCLUDING ALL NOZZLES, FUSIBLE LINKS, PIPING, CABLING, TANK(S), PULL STATION
- PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM; INSTALL ON WALL AND CONNECT TO SYSTEM AT HOOD UTILITY CABINET
- 22"x22" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-KES; 22"x10" EXHAUST DUCTS UP FROM HOOD; TRANSITION TO RISER THRU ROOF TO FAN; COORDINATE EXACT LAYOUT W/ EXISTING STRUCTURE
- PROVIDE EF-KES MTD. ON 24" VENTILATED CURB



3 Kitchen Hood Dimensions
Scale: 1/4" = 1'-0"



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EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
KAKIAT ELEMENTARY SCHOOL

DATE	DESCRIPTION

Drawn By: MGA

Checked By: MGA

Proj. #: 50-04-02-067-999-005

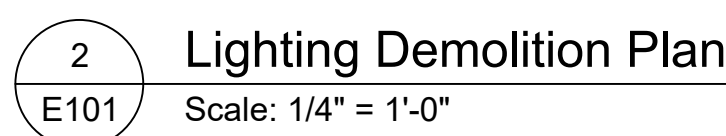
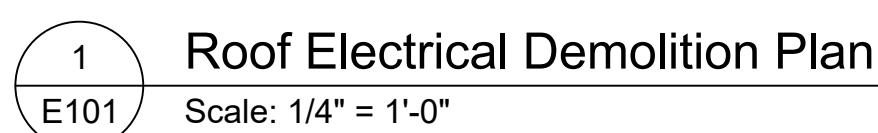
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Sheet Title
MECHANICAL
PLANS

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CONSTRUCTION DOCUMENTS



KEY PLAN

KITCHEN

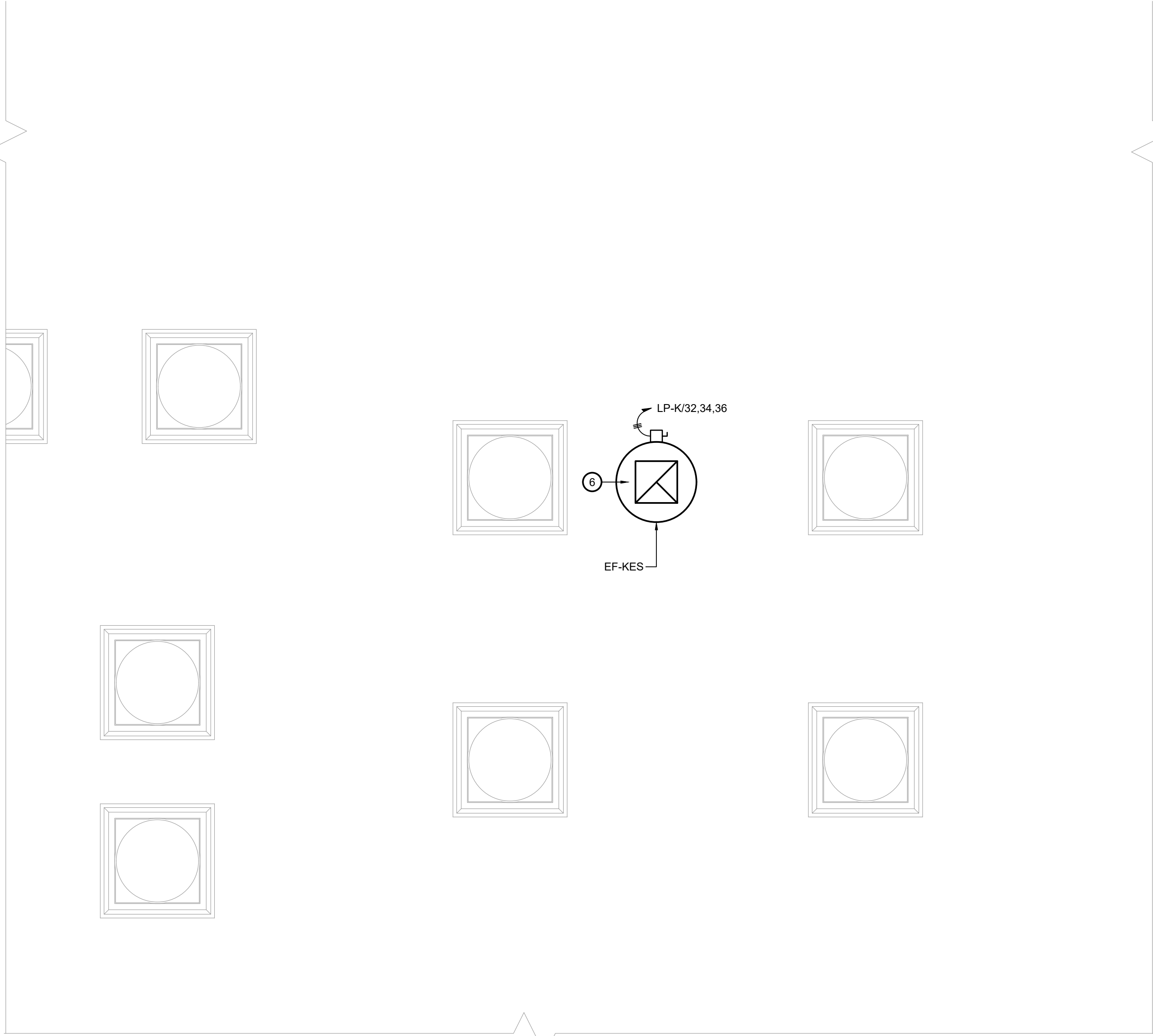
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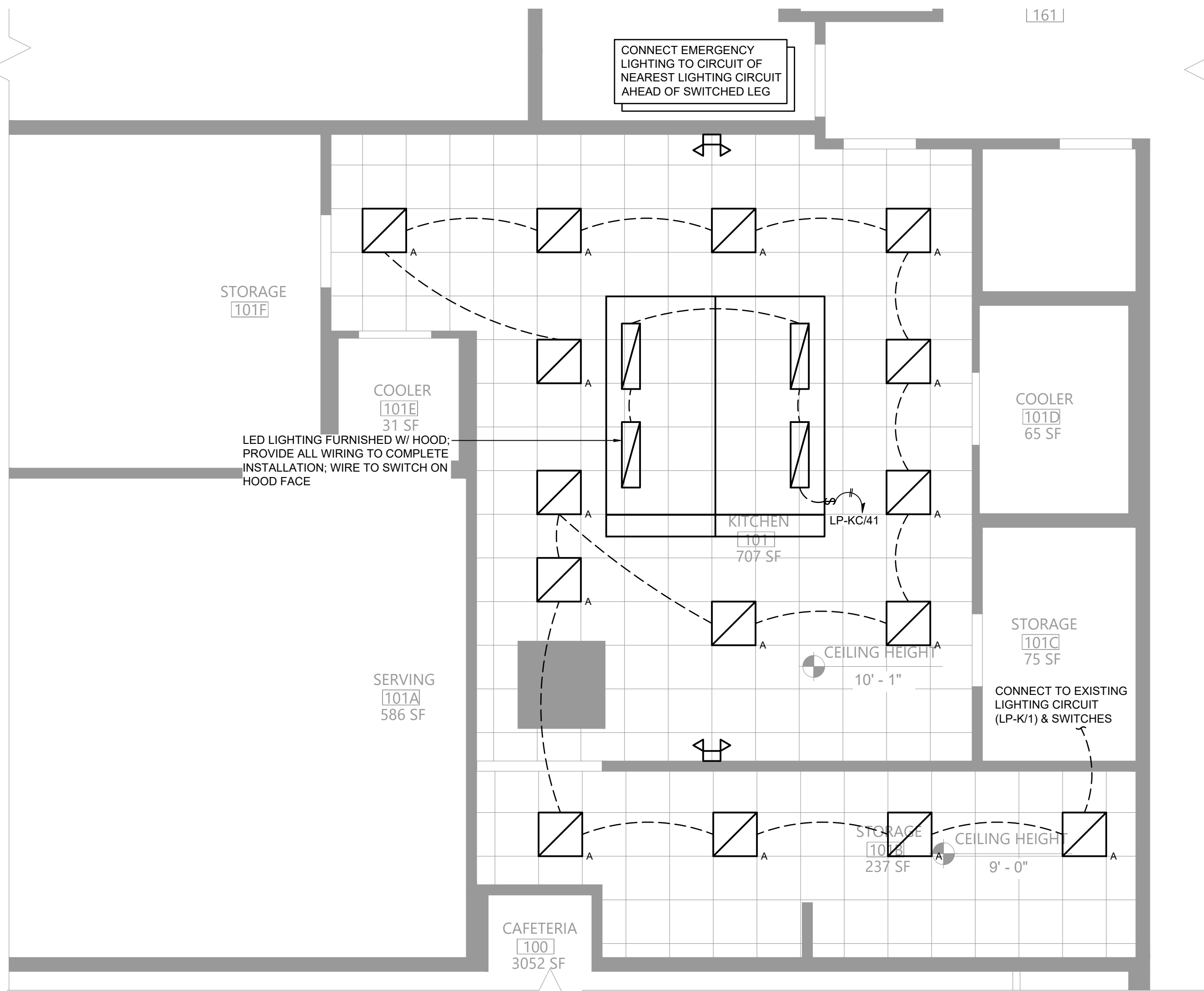
KES
E101

CONSTRUCTION DOCUMENT

CSARCH



1 Roof Electrical Plan
E111
Scale: 1/4" = 1'-0"



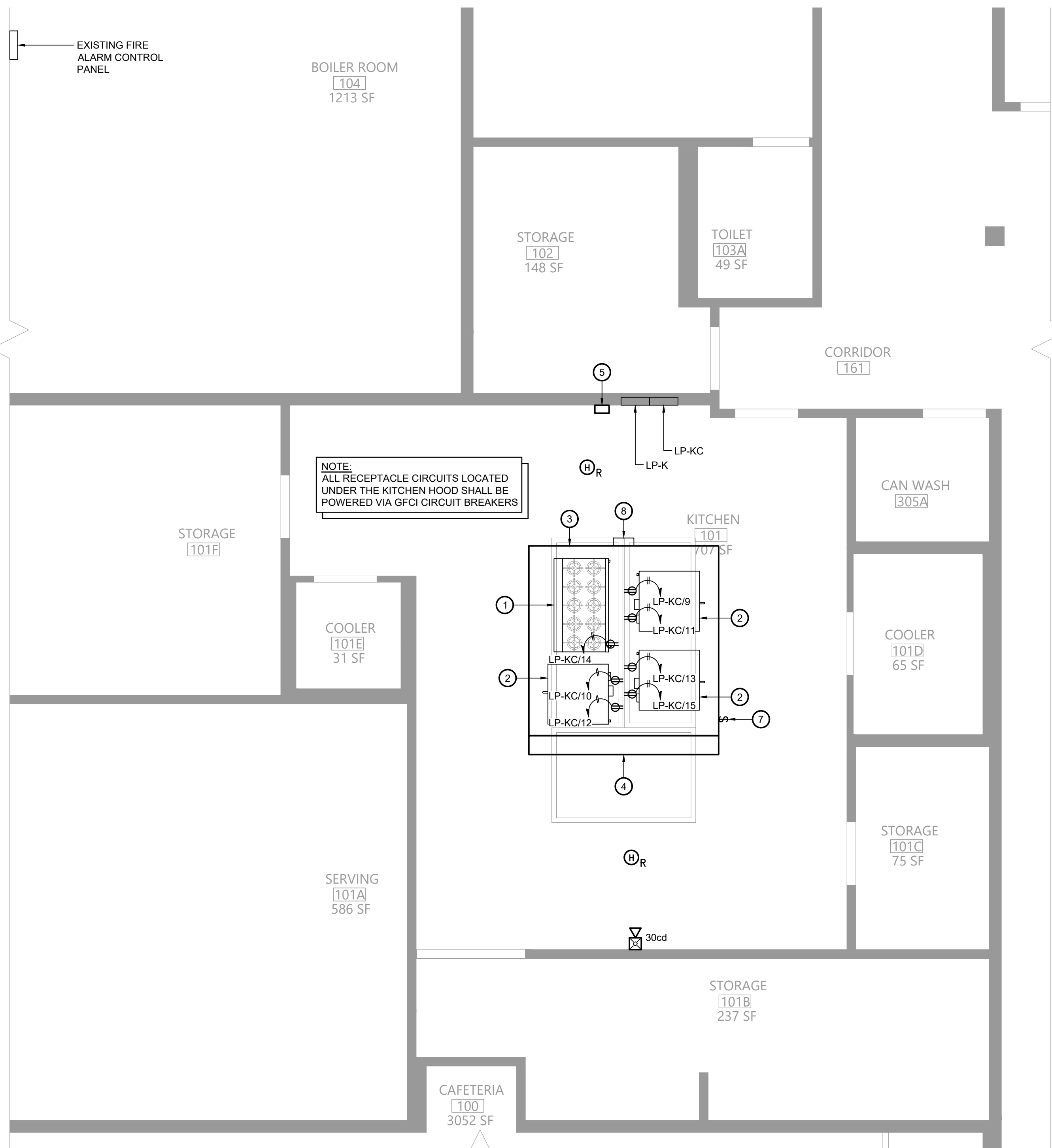
2 Lighting Plan
E111
Scale: 1/4" = 1'-0"

120/208V 3Ø 4W+G				BUS RATING: 225A						MLO	
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER RATING	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD	
KITCHEN LIGHTING	(2) #12 CU & (1) #12 GND.	20	1	-	-	-	2	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	3	-	-	-	4	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	5	-	-	-	6	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	7	-	-	-	8	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	9	-	-	-	10	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	11	-	-	-	12	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	13	-	-	-	14	20	EXISTING	EXISTING	
		20	15	-	-	-	16	20	EXISTING	EXISTING	
		20	17	-	-	-	18	20	EXISTING	EXISTING	
		20	19	-	-	-	20	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	21	-	-	-	22	20	EXISTING	EXISTING	
		20	23	-	-	-	24	20	EXISTING	EXISTING	
		20	25	-	-	-	26	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	27	-	-	-	28	20	EXISTING	EXISTING	
		20	29	-	-	-	30	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	31	-	-	-	32	20	(3) #12 CU & (1) #12 GND.	FAN EF-KES	
EXISTING	EXISTING	30	33	-	-	-	34				
		30	35	-	-	-	36				
EXISTING	EXISTING	30	37	-	-	-	38	20	EXISTING	EXISTING	
		30	39	-	-	-	40				
		30	41	-	-	-	42				
SQUARE D NQOB PANEL				-	-	-	-	- kVA TOTAL			

4 Existing Kitchen Panelboard PP-K1
E111
Scale: None

120/208V 3Ø 4W+G				BUS RATING: 100A						MLO	
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD	
EXISTING	EXISTING	20	1	-	-	-	2	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	3	-	-	-	4	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	5	-	-	-	6	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	7	-	-	-	8	20	EXISTING	EXISTING	
OVEN	(2) #12 CU & (1) #12 GND.	20	9	-	-	-	10	20	(2) #12 CU & (1) #12 GND.	OVEN	
OVEN	(2) #12 CU & (1) #12 GND.	20	11	-	-	-	12	20	(2) #12 CU & (1) #12 GND.	OVEN	
OVEN	(2) #12 CU & (1) #12 GND.	20	13	-	-	-	14	20	(2) #12 CU & (1) #12 GND.	RANGE	
OVEN	(2) #12 CU & (1) #12 GND.	20	15	-	-	-	16	20	(2) #12 CU & (1) #12 GND.	HOOD CONTROL CIRCUIT	
EXISTING	EXISTING	20	17	-	-	-	18	20	EXISTING	EXISTING	
SPACE	-	-	19	-	-	-	20	-	-	SPACE	
EXISTING	EXISTING	20	21	-	-	-	22	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	23	-	-	-	24	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	25	-	-	-	26	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	27	-	-	-	28	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	29	-	-	-	30	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	31	-	-	-	32	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	33	-	-	-	34	40	EXISTING	EXISTING	
SPACE	-	-	37	-	-	-	38	-	-	SPACE	
SPACE	-	-	39	-	-	-	40	100	EXISTING	EXISTING	
HOOD LIGHTING	(2) #12 CU & (1) #12 GND.	20	41	-	-	-	42	-	-	-	
SQUARE D NQOB PANEL				-	-	-	-	- kVA TOTAL			

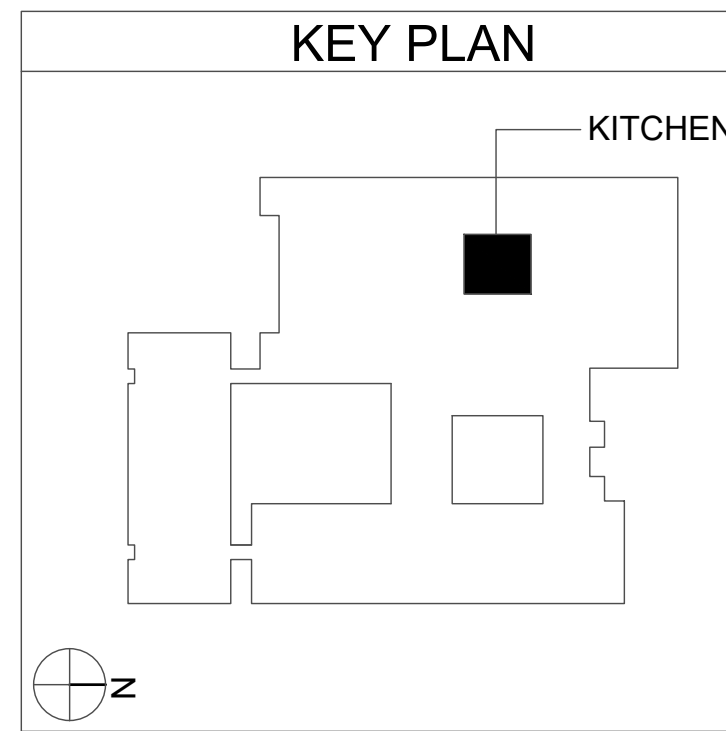
5 Existing Kitchen Panelboard PP-K2
E111
Scale: None

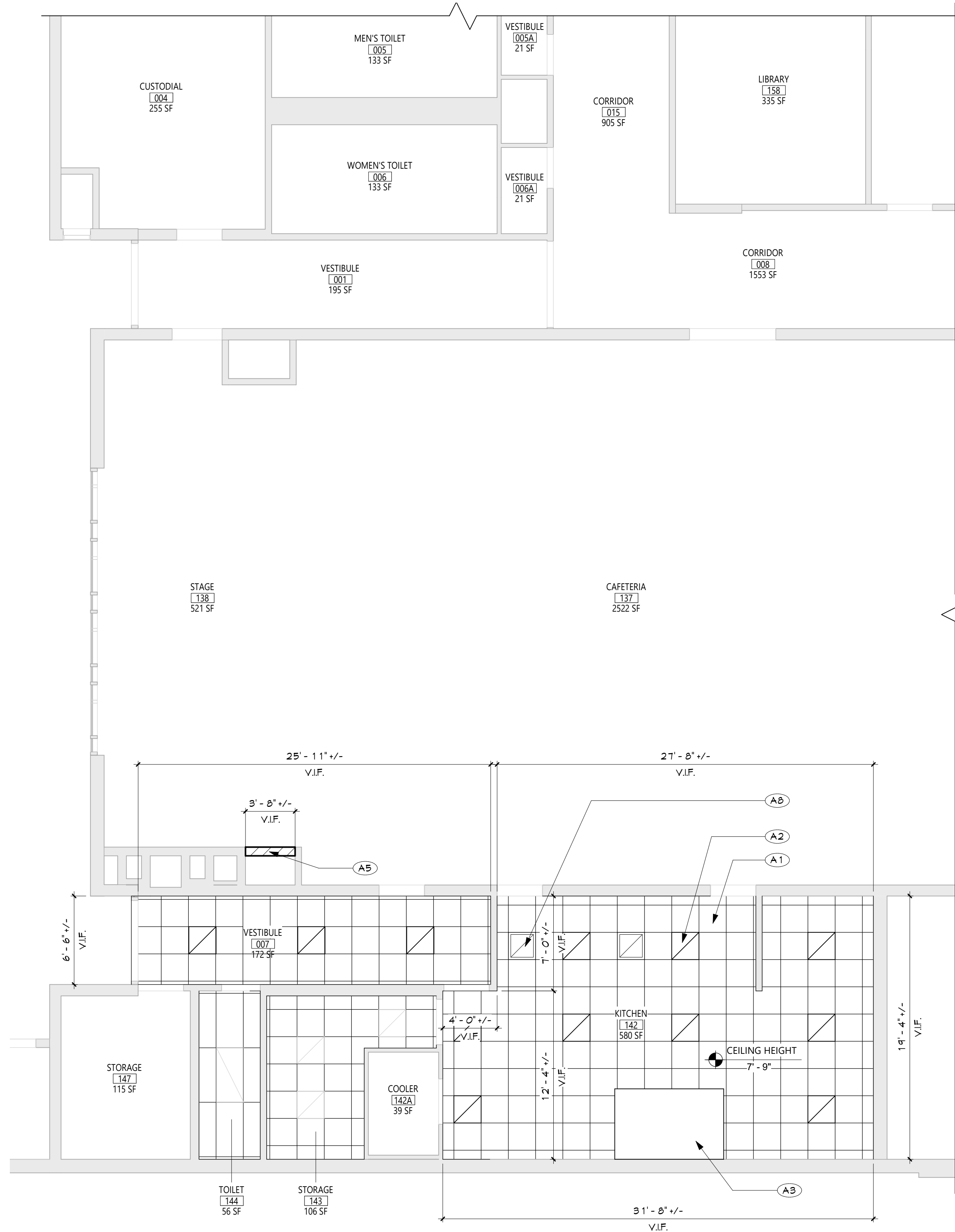


3 First Floor Electrical Plan
E111
Scale: 1/4" = 1'-0"

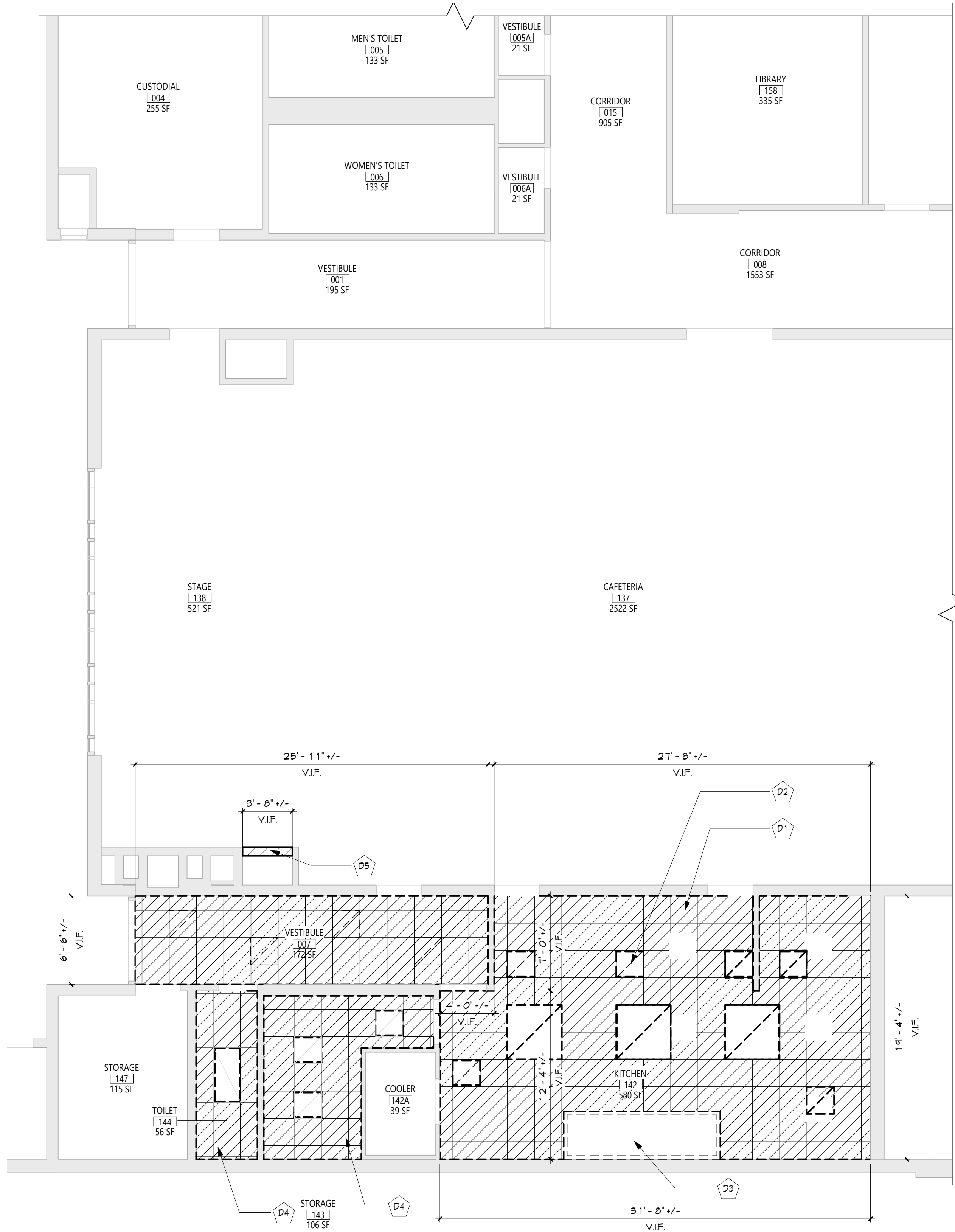
Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND G60-6G24RR, 6 BURNER W/ GRIDDLE & OVEN, 310MBH INPUT; 120V W/ (2) NEMA 5-15P PLUG; 3.4A EACH
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT; 120V W/ (2) NEMA 5-15P PLUGS, 9.8A EACH
- KITCHEN HOOD; PROVIDE CIRCUITS FOR LIGHTING AND HOOD CONTROLS AS SHOWN; WIRE HOOD EXHAUST FAN POWER THRU HOOD CONTROLLER; SEE WIRING DIAGRAM ON SHEET EG001
- UTILITY CABINET W/ HOOD CONTROLLER AND FIRE SUPPRESSION SYSTEM; CONNECT TO EXISTING BUILDING FIRE ALARM SYSTEM; SEE FIRE SUPPRESSION SYSTEM SEQUENCE OF OPERATIONS ON SHEET EG001
- REMOTE CONTROL SWITCH IN ENCLOSURE TYPICAL OF ASCO 918 OR ACCEPTABLE EQUAL; 6 N/O AND 6 N/C CONTACTS; 120V CONTROL VOLTAGE; WIRE ALL CIRCUITS UNDER KITCHEN HOOD THRU CONTROL SWITCH; CONNECT TO HOOD CONTROLLER FOR CONTROL CIRCUIT & SHUNT TRIP
- PROVIDE 3 POLE 20A CIRCUIT TO NEW EXHAUST FAN; CONNECT TO EXISTING PANEL; RUN POWER TO THE FAN ON THE ROOF; SEE WIRING DIAGRAM ON SHEET EG001
- EXHAUST FAN MANUAL SWITCH MOUNTED ON FACE OF HOOD; WIRE EXHAUST FAN POWER THRU CONTROLLER IN HOOD UTILITY CABINET
- NEW PIPING ENCLOSURE BY PLUMBING CONTRACTOR; IF NECESSARY, RUN NEW CIRCUITS DN. FROM CEILING INSIDE PIPING ENCLOSURE





2 KITCHEN - NEW WORK REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



1 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"

- GENERAL NOTES**
- REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
 - REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.
- CEILING NOTES**
- INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
 - INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
 - FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

- CEILING DEMOLITION LEGEND**
- EXISTING GNB/PLASTER CEILING TO REMAIN
 - EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
 - EXISTING GNB/PLASTER CEILING TO BE REMOVED
 - EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
 - CEILING HEIGHT ABOVE FINISHED FLOOR

- CEILING NEW WORK LEGEND**
- EXISTING GNB/PLASTER CEILING TO REMAIN
 - EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
 - NEW GNB/PLASTER CEILING
 - NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
 - CEILING HEIGHT ABOVE FINISHED FLOOR

- ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.**
- 2'x4' LIGHT FIXTURE
 - 2'x2' LIGHT FIXTURE
 - 1'x LIGHT FIXTURE
 - PENDANT LIGHT FIXTURE
 - RECESSED DOWN LIGHT
 - CEILING MOUNTED EXT SIGN
 - CEILING MOUNTED OCCUPANCY SENSOR
 - CEILING MOUNTED SMOKE DETECTOR
 - CEILING MOUNTED HEAT DETECTOR
 - CEILING MOUNTED PA SPEAKER
 - CEILING MOUNTED SECURITY J-BOX
 - CEILING MOUNTED MOTION SENSOR
 - CEILING MOUNTED DATA J-BOX

- MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.**
- HVAC SUPPLY GRILLE
 - HVAC RETURN GRILLE

- DEMOLITION KEY NOTES**
- | # | DESCRIPTION |
|----|--------------------------------------------------------------------------------------------------------|
| D1 | REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH ABATEMENT AND MECH DWGS. |
| D2 | EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS. |
| D3 | EXIST. KITCHEN HOOD. SEE MECH DWGS FOR DETAILS. |
| D4 | TEMPORARILY REMOVE AND STORE EXIST. SUSPENDED CLG TO ACCOMMODATE MECH DEMO WORK. COORD. WITH MECH DWGS |
| D5 | REMOVE SECTION OF EXIST. WALL TO ACCOMMODATE MECH DEMO WORK. COORD. WITH MECH DWGS AND MC. |

- NEW WORK KEY NOTES**
- | # | DESCRIPTION |
|----|--------------------------------------------------------------------------------------------------------|
| A1 | PROVIDE NEW SUSPENDED CLG. COORD. WITH NEW MECH WORK. SEE SPECS |
| A2 | NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS. |
| A3 | NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS. |
| A5 | INFILL AND PATCH WITH SIMILAR MATERIAL TO MATCH EXIST. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS |
| A8 | NEW CLG TRANSFER GRILLE. SEE MECH DWG FOR DETAILS |

KEY PLAN

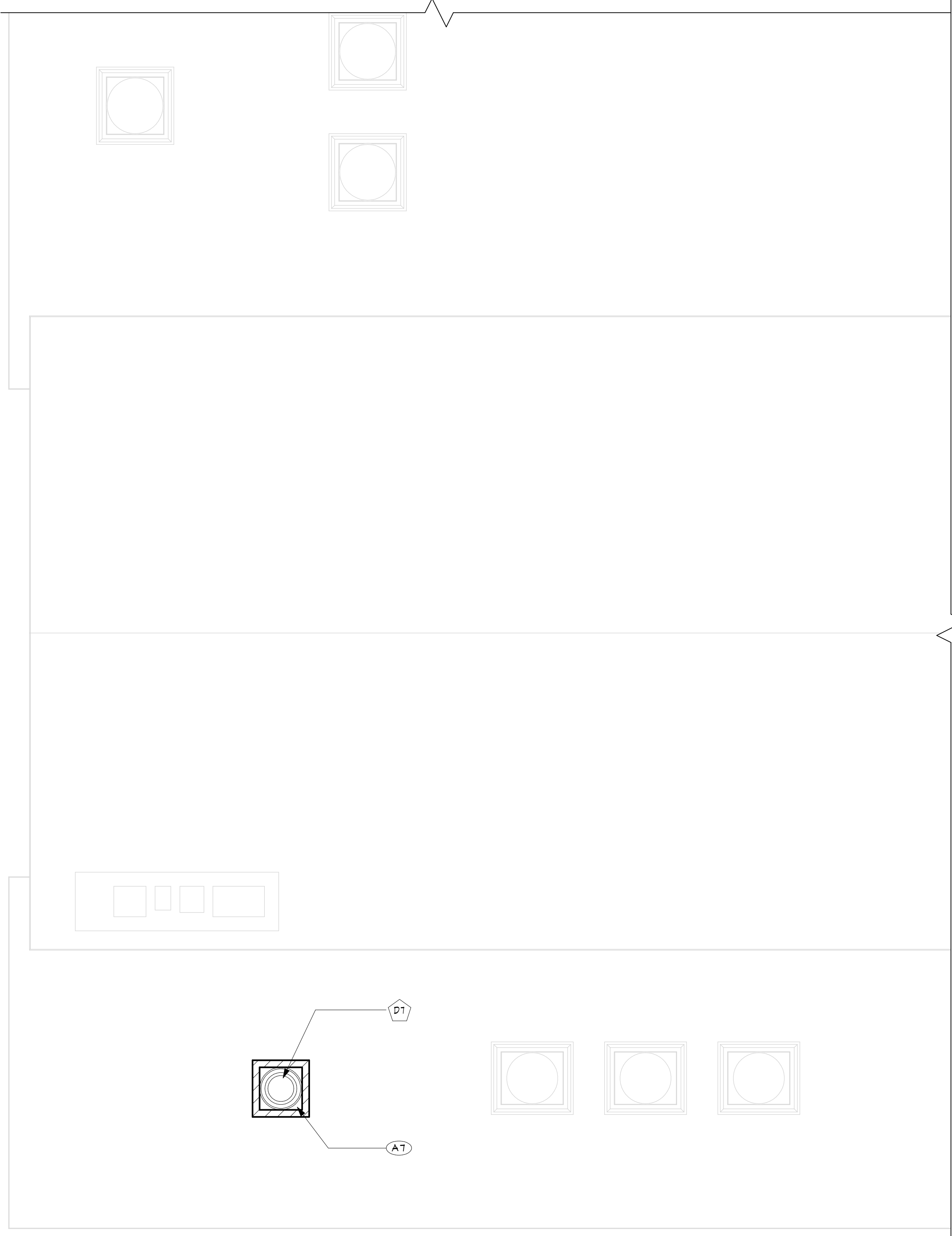
ENLARGED KITCHEN PLANS

FES A101

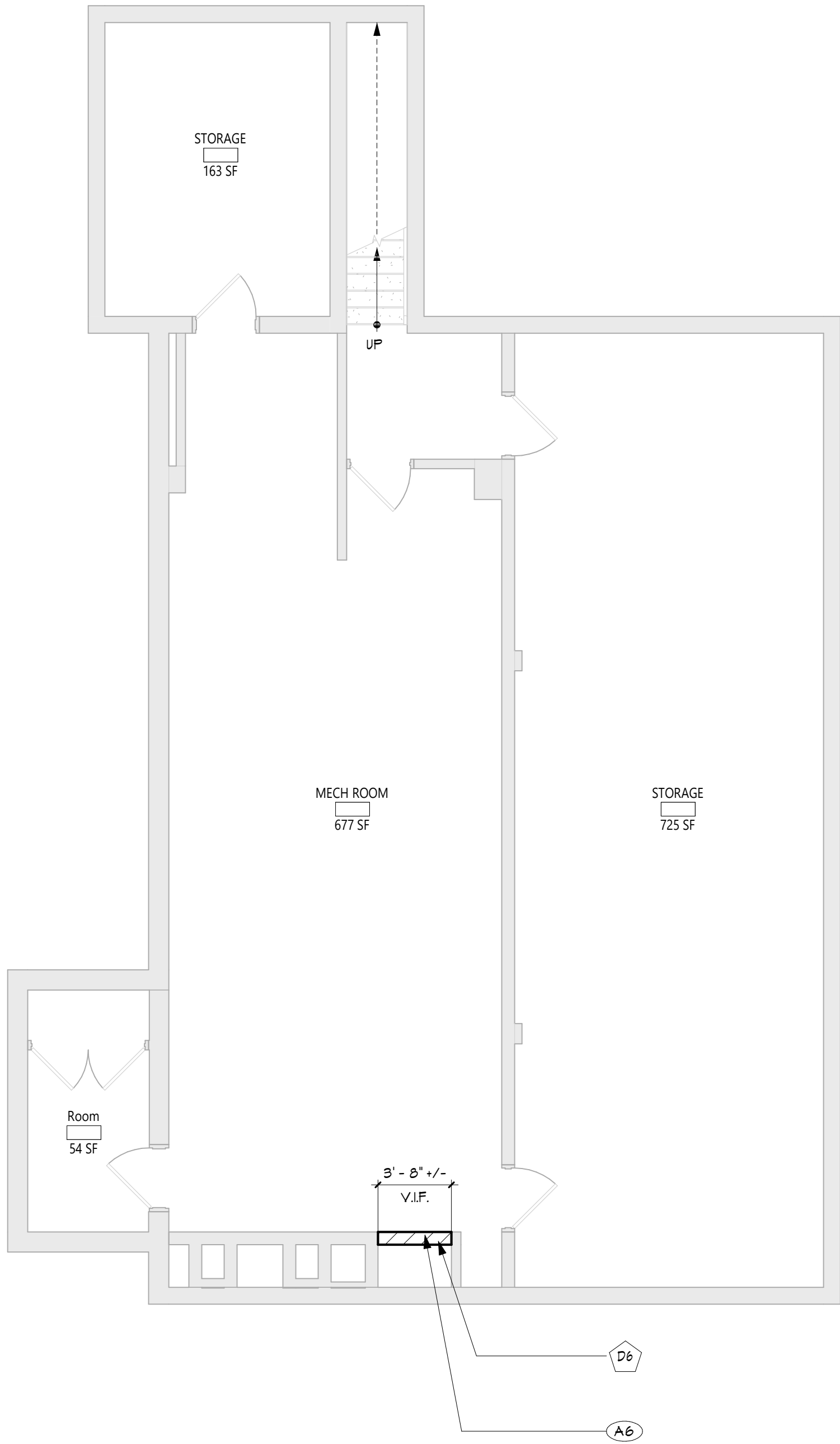
CONSTRUCTION DOCUMENTS

C:\Users\public\Documents\2019-2023 FLEETWOOD ES_cmakele.rvt

2 PARTIAL ROOF PLAN
A102 3/16" = 1'-0"



1 PARTIAL BASEMENT PLAN
A102 3/16" = 1'-0"



- GENERAL NOTES**
1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
 2. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.
- CEILING NOTES**
1. INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
 2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
 3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

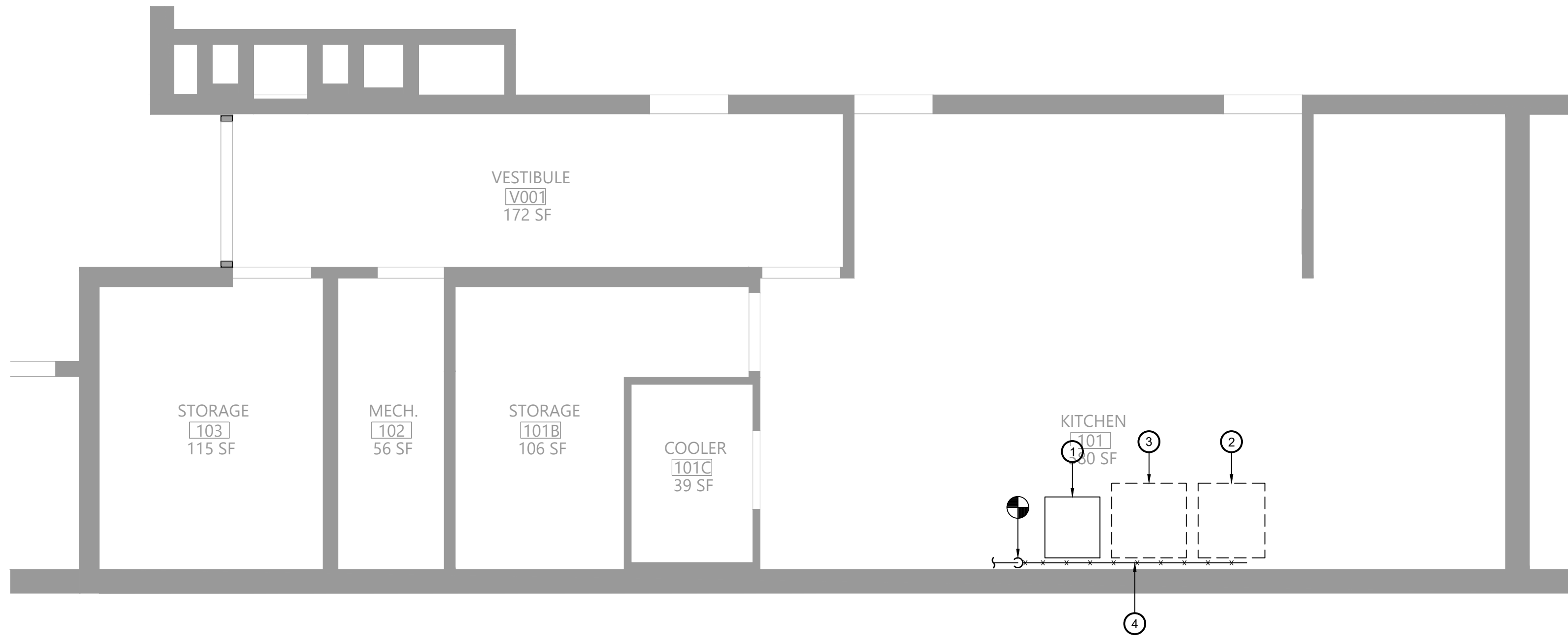
- CEILING DEMOLITION LEGEND**
- EXISTING GNB/PLASTER CEILING TO REMAIN
 - EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
 - EXISTING GNB/PLASTER CEILING TO BE REMOVED
 - EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
 - CEILING HEIGHT ABOVE FINISHED FLOOR
- CEILING NEW WORK LEGEND**
- EXISTING GNB/PLASTER CEILING TO REMAIN
 - EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
 - NEW GNB/PLASTER CEILING
 - NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
 - CEILING HEIGHT ABOVE FINISHED FLOOR

- ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.**
- 2'X4' LIGHT FIXTURE
 - 2'X2' LIGHT FIXTURE
 - 1'X LIGHT FIXTURE
 - PENDANT LIGHT FIXTURE
 - RECESSED DOWN LIGHT
 - CEILING MOUNTED EXT SIGN
 - CEILING MOUNTED OCCUPANCY SENSOR
 - CEILING MOUNTED SMOKE DETECTOR
 - CEILING MOUNTED HEAT DETECTOR
 - CEILING MOUNTED PA SPEAKER
 - CEILING MOUNTED SECURITY J-BOX
 - CEILING MOUNTED MOTION SENSOR
 - CEILING MOUNTED DATA J-BOX
- MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.**
- HVAC SUPPLY GRILLE
 - HVAC RETURN GRILLE

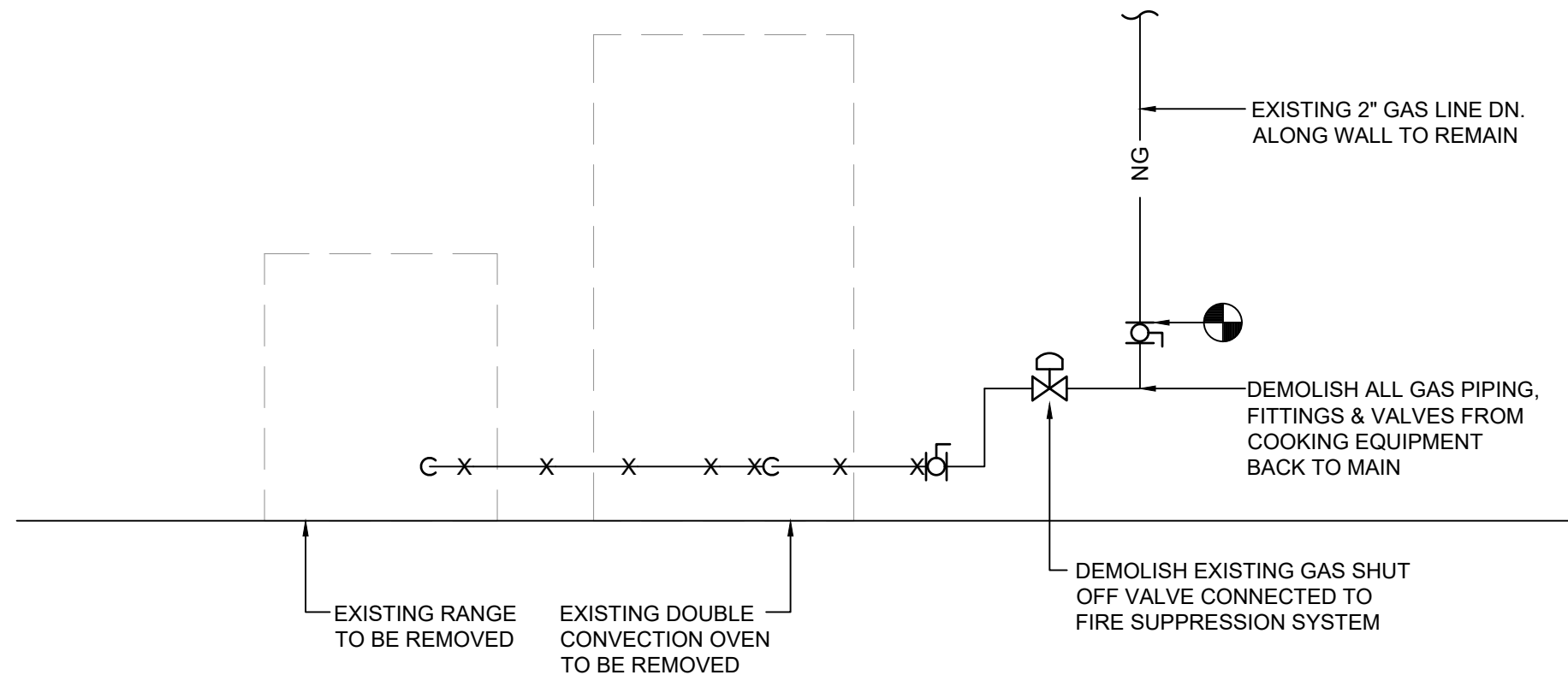
- DEMOLITION KEY NOTES**
- | # | DESCRIPTION |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| D6 | EXIST. EXHAUST FAN ON ROOF TO BE REMOVED. EXISTING ROOF OPENING TO REMAIN. SEE MECH DWGS FOR DETAILS. |
| D7 | REMOVE SECTION OF EXIST. ROOF ASSEMBLY, INCLUDING ROOF MEMBRANE, SUBSTRATE, & DECKING TO ACCOMMODATE NEW WORK. GC TO COORDINATE WITH MC FOR LOCATION. |

- NEW WORK KEY NOTES**
- | # | DESCRIPTION |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A6 | INFILL AND PATCH EXIST. OPENING WITH SIMILAR MATERIAL TO MATCH EXIST. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS. |
| A7 | NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE WITH MC FOR LOCATION AND SIZE. |

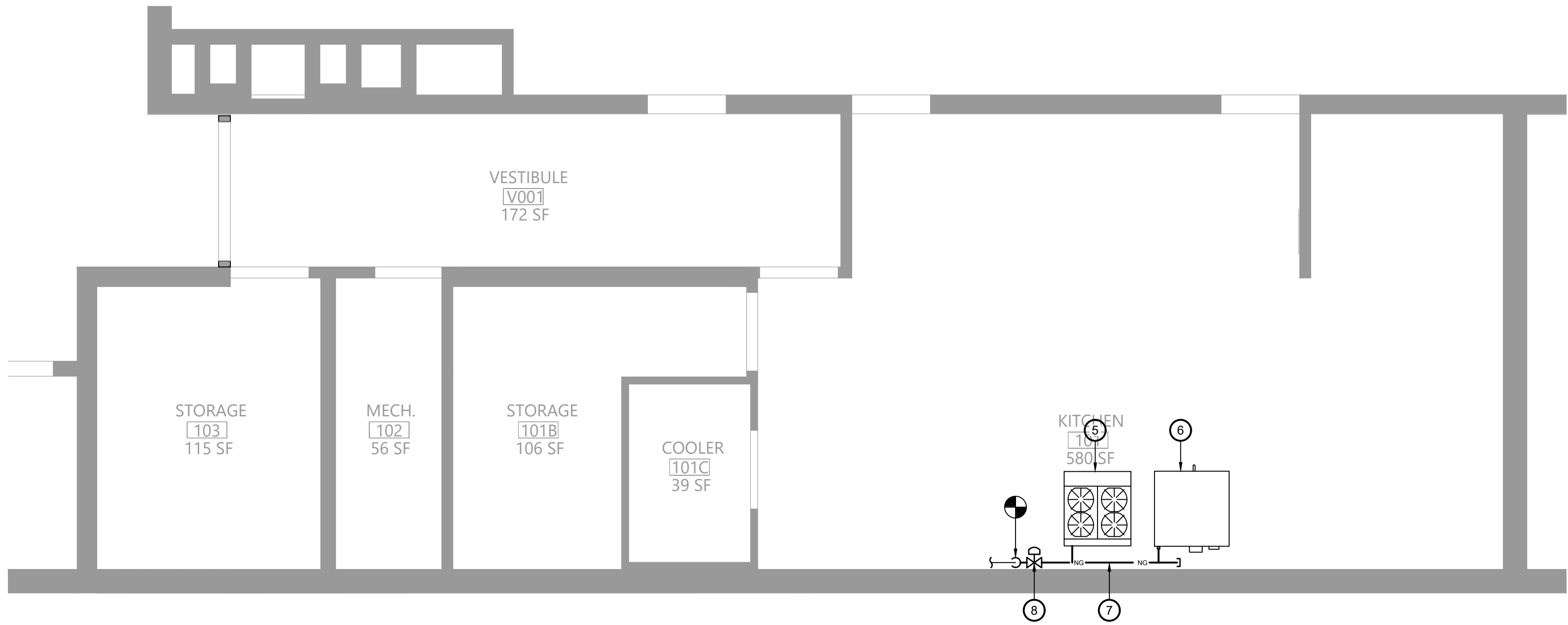
- KEY PLAN**
-
- Key Plan showing the location of the project area within the building footprint. The project area is highlighted in black. A north arrow is shown in the bottom left corner.



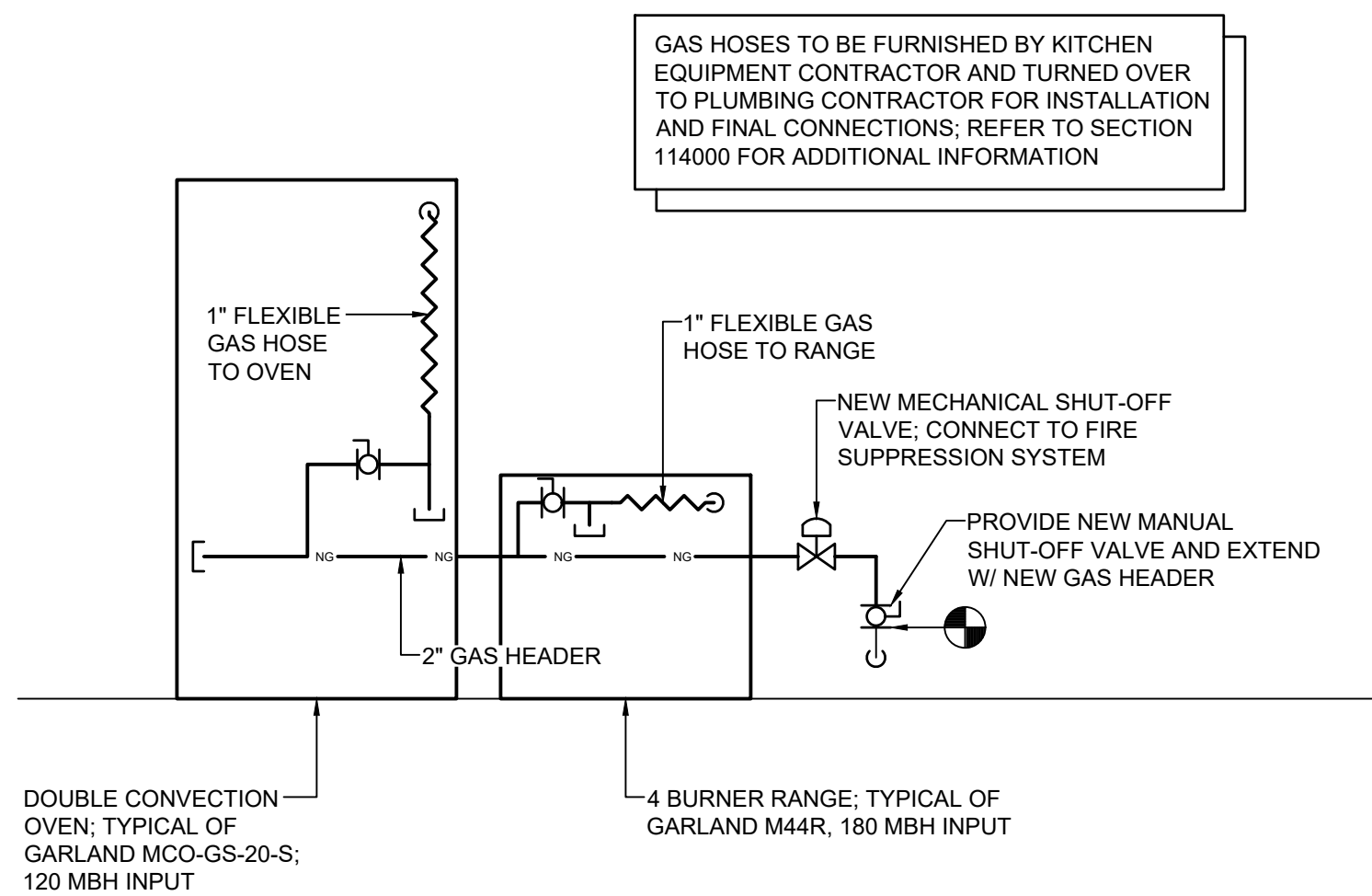
1 Plumbing Demolition Plan
Scale: 1/4" = 1'-0"



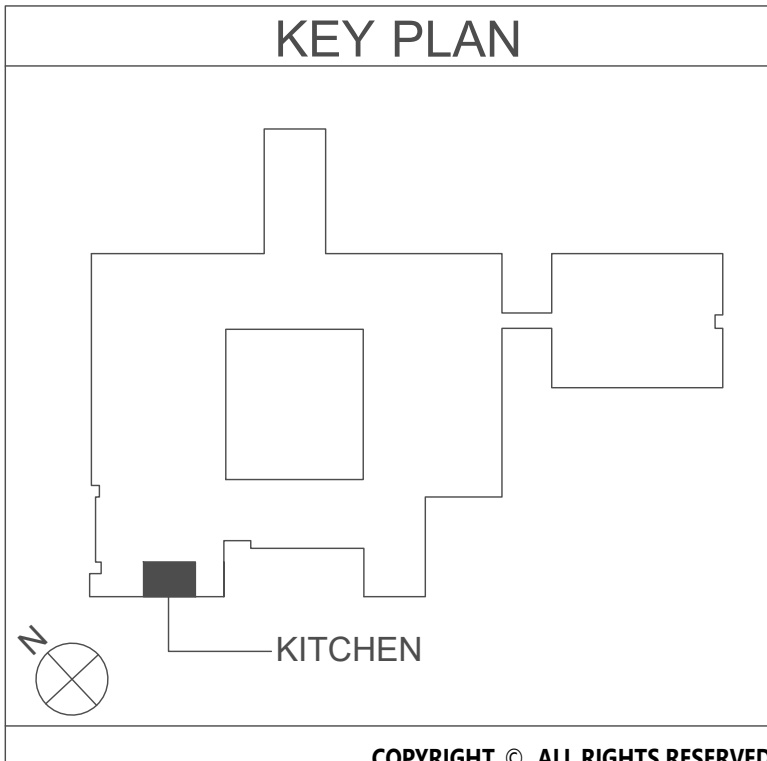
2 Gas Piping Demolition Diagram
N.T.S.



3 Plumbing Plan
Scale: 1/4" = 1'-0"



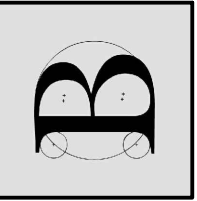
4 Gas Piping Diagram
N.T.S.



Key Notes:

- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
- EXISTING RANGE TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
- EXISTING CONVECTION OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
- EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
- 4 BURNER RANGE TYPICAL OF GARLAND M44R; 180 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
- DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
- PROVIDE 2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS
- PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM

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BLAKE ENGINEERING PLLC
100 WEST 10TH STREET, SUITE 200
NEW YORK, NY 10011

EAST RAMAPO CENTRAL SCHOOL DISTRICT DISTRICT WIDE KITCHEN HOOD REPLACEMENT FLEETWOOD ELEMENTARY SCHOOL

Project Title



DATE	DESCRIPTION

Drawn By: MGB
Checked By: MGB
Proj. #: 59-04-02-06-7-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

Sheet Title

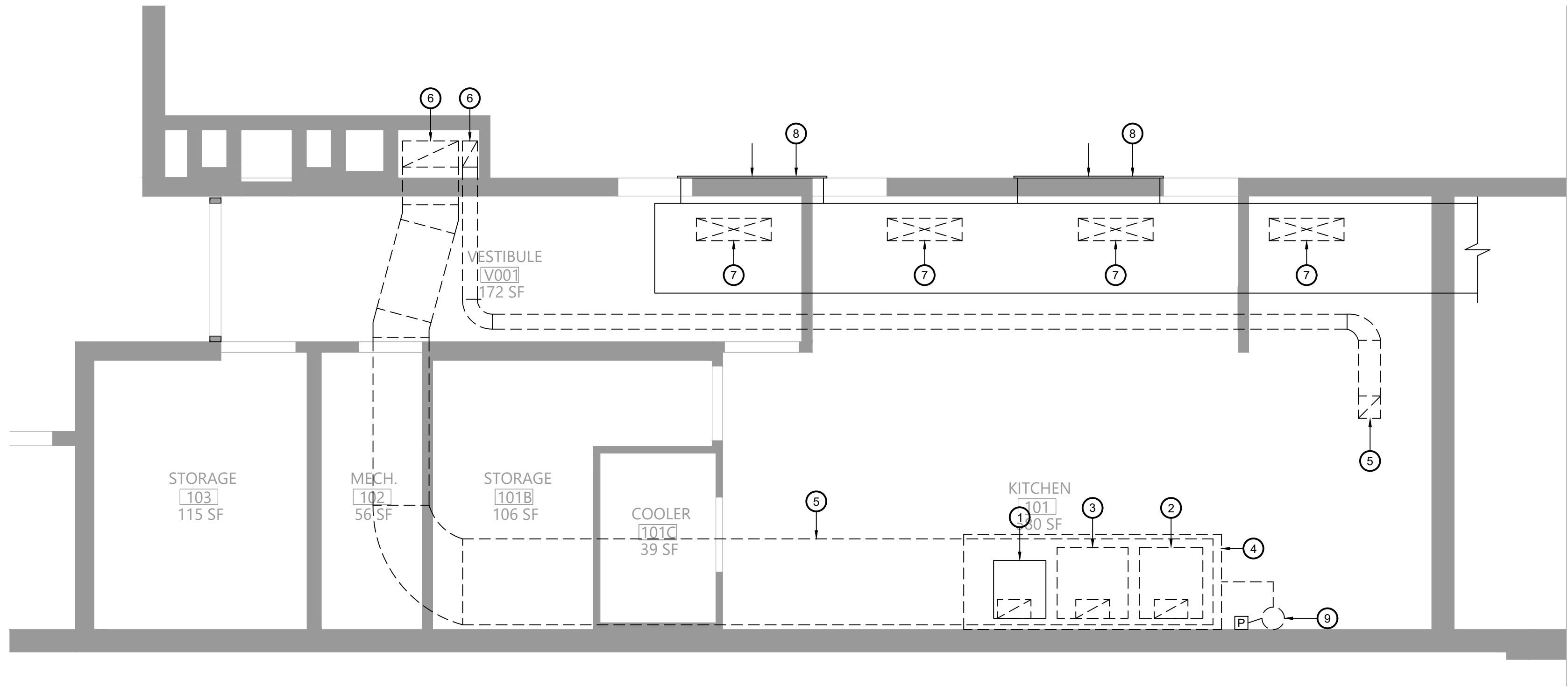
PLUMBING
PLANS

Sheet No.

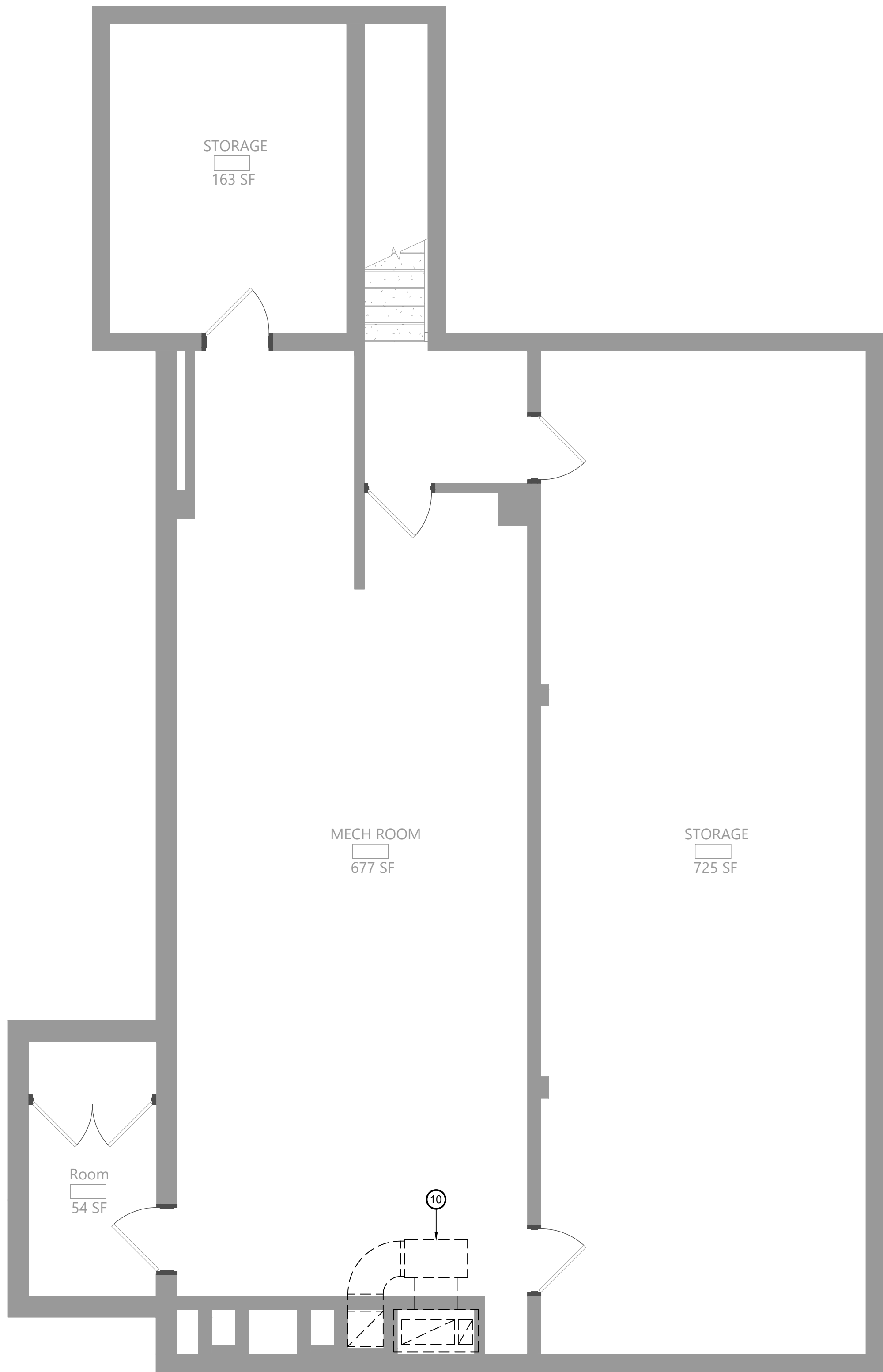
FES
P111

CONSTRUCTION DOCUMENTS

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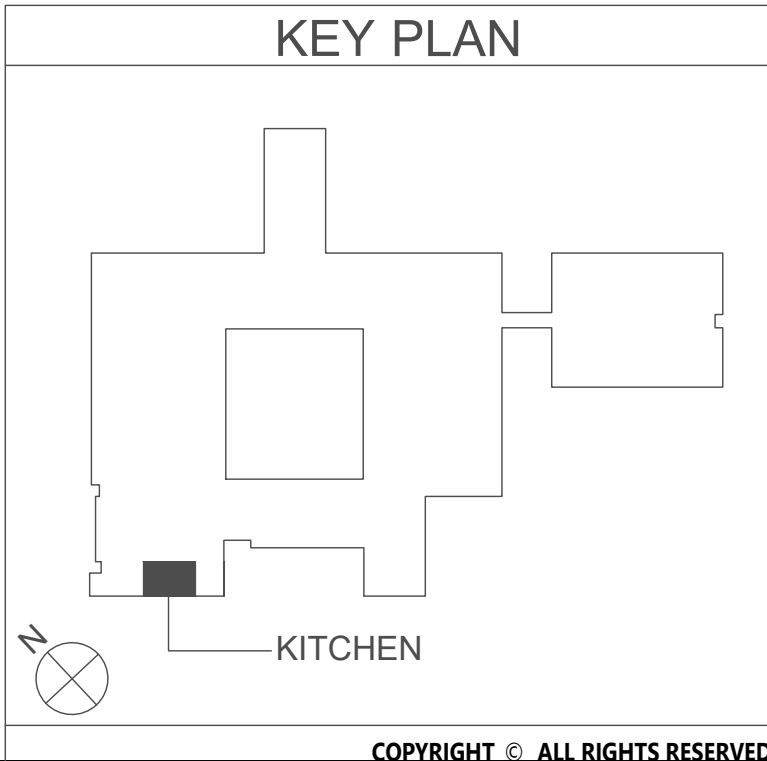


1 First Floor Mechanical Demolition Plan
Scale: 1/4" = 1'-0"



2 Basement Mechanical Demolition Plan
Scale: 1/4" = 1'-0"

- Key Notes:**
- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
 - EXISTING RANGE TO BE REMOVED
 - EXISTING CONVECTION OVEN TO BE REMOVED
 - EXISTING KITCHEN HOOD TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
 - EXISTING EXHAUST DUCTWORK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
 - EXISTING EXHAUST DUCTWORK DN. IN CHASE TO BASEMENT MECHANICAL ROOM. ABANDON DUCT RISER IN CHASE AND SEAL THE TOP AND BOTTOM OPENINGS WHERE DUCTWORK IS DISCONNECTED AND REMOVED
 - EXISTING OPENING IN TRANSFER DUCT. PATCH OPENING WITH SHEET METAL AND SEAL AIR TIGHT. SEE M111 FOR ADDITIONAL MODIFICATIONS TO TRANSFER AIR DUCT
 - EXISTING MAKEUP AIR GRILLE TO REMAIN; TRANSFERS AIR FROM CAFETERIA TO KITCHEN
 - EXISTING FIRE SUPPRESSION SYSTEM TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. REMOVE ENTIRE SYSTEM INCLUDING TANK, CONTROL HEAD, PIPING, CONDUIT, CABLING, PULL STATION, NOZZLES
 - EXISTING EXHAUST FAN IN BASEMENT TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, CONTROLS, ETC.



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LICENSED PROFESSIONAL ENGINEER

**EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
FLEETWOOD ELEMENTARY SCHOOL**

Project Title

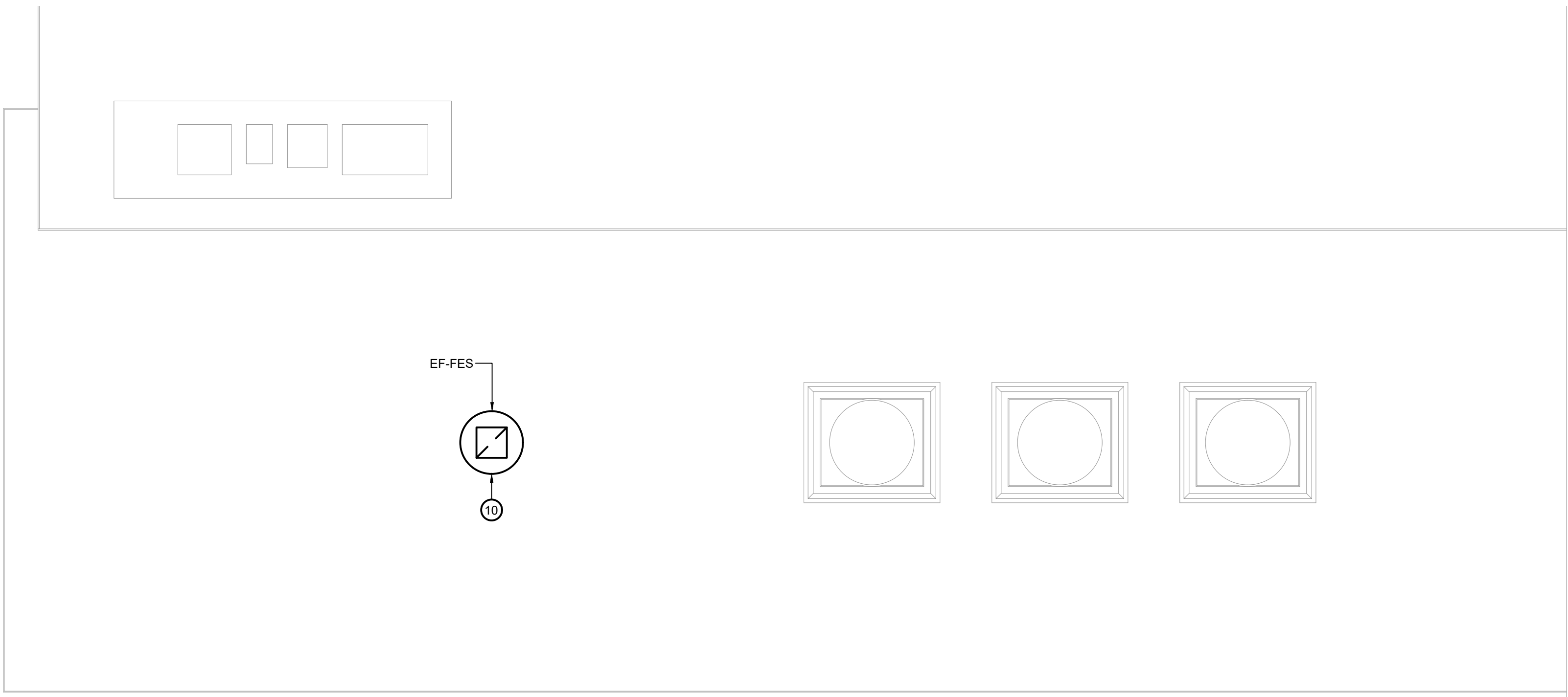
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CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

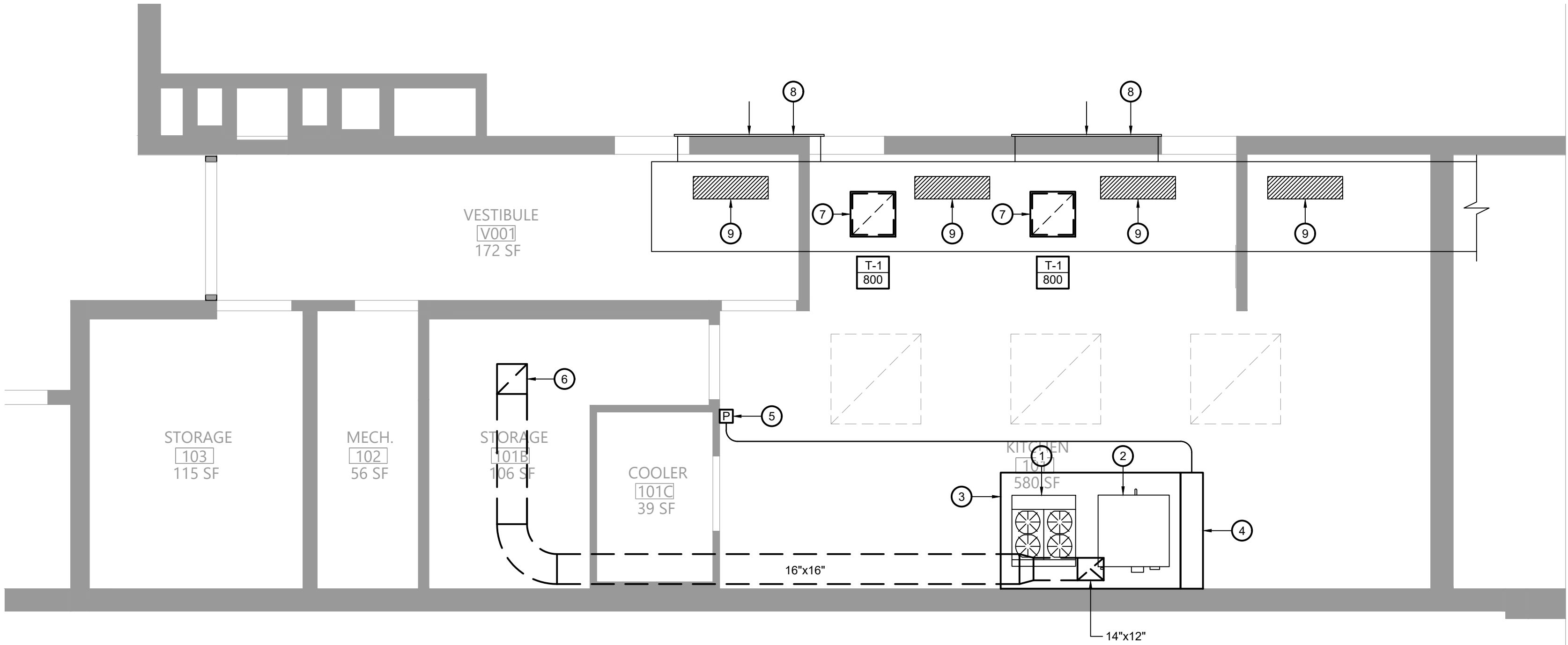
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DEMOLITION
PLANS**

Sheet No.
**FES
M101**

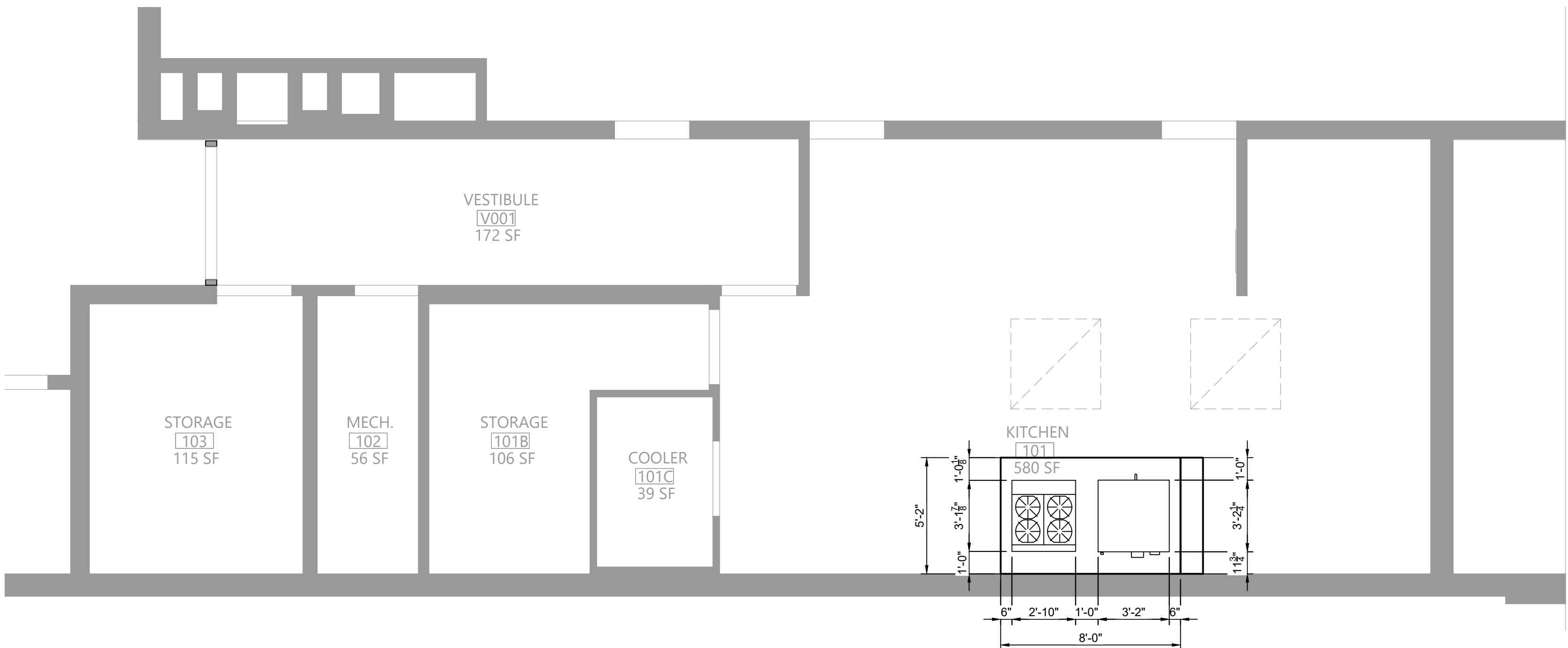
CONSTRUCTION DOCUMENTS



1 Roof Mechanical Plan
M111 Scale: 1/4" = 1'-0"



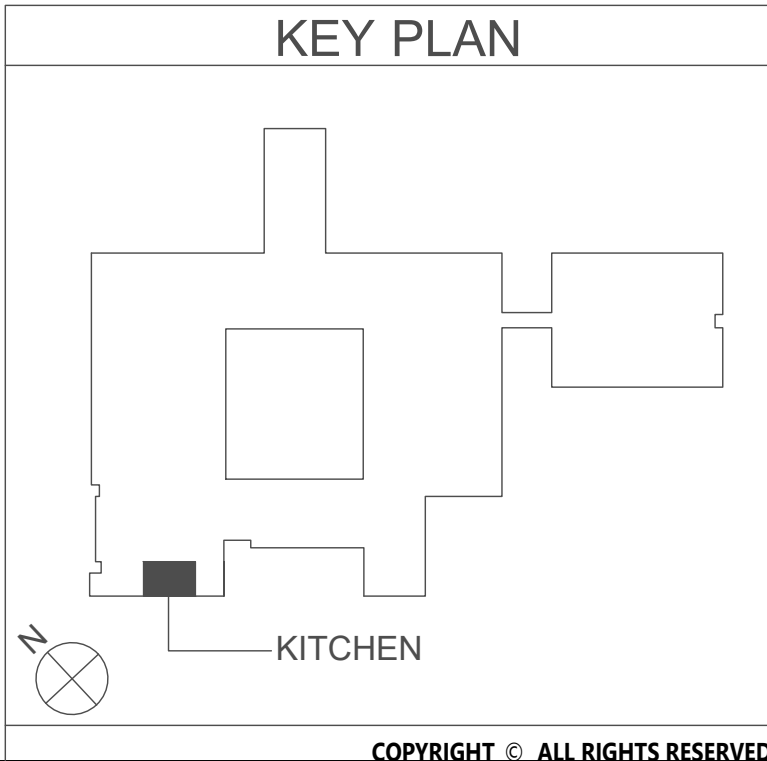
2 First Floor Mechanical Plan
M111 Scale: 1/4" = 1'-0"

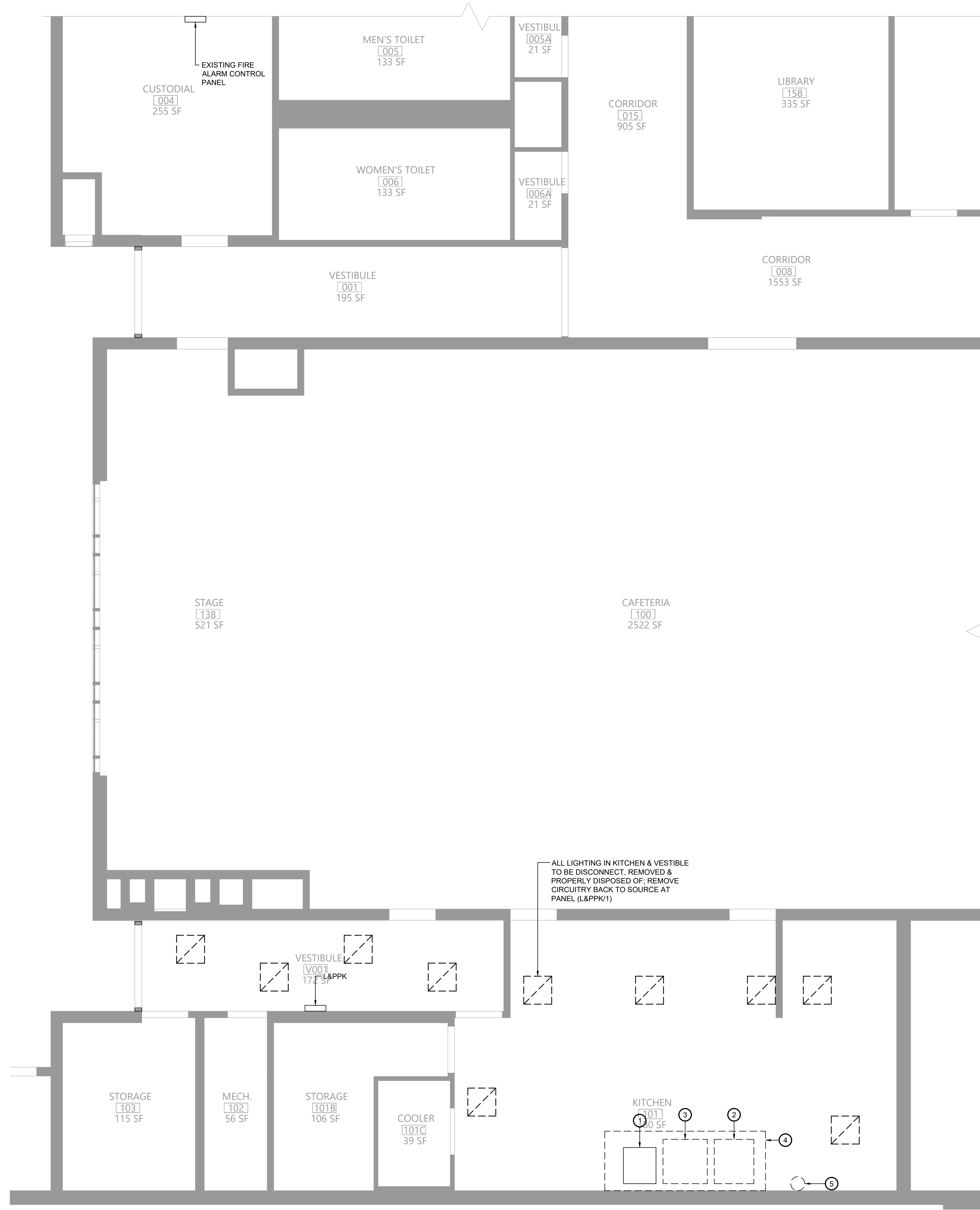


3 Kitchen Hood Dimensions
M111 Scale: 1/4" = 1'-0"

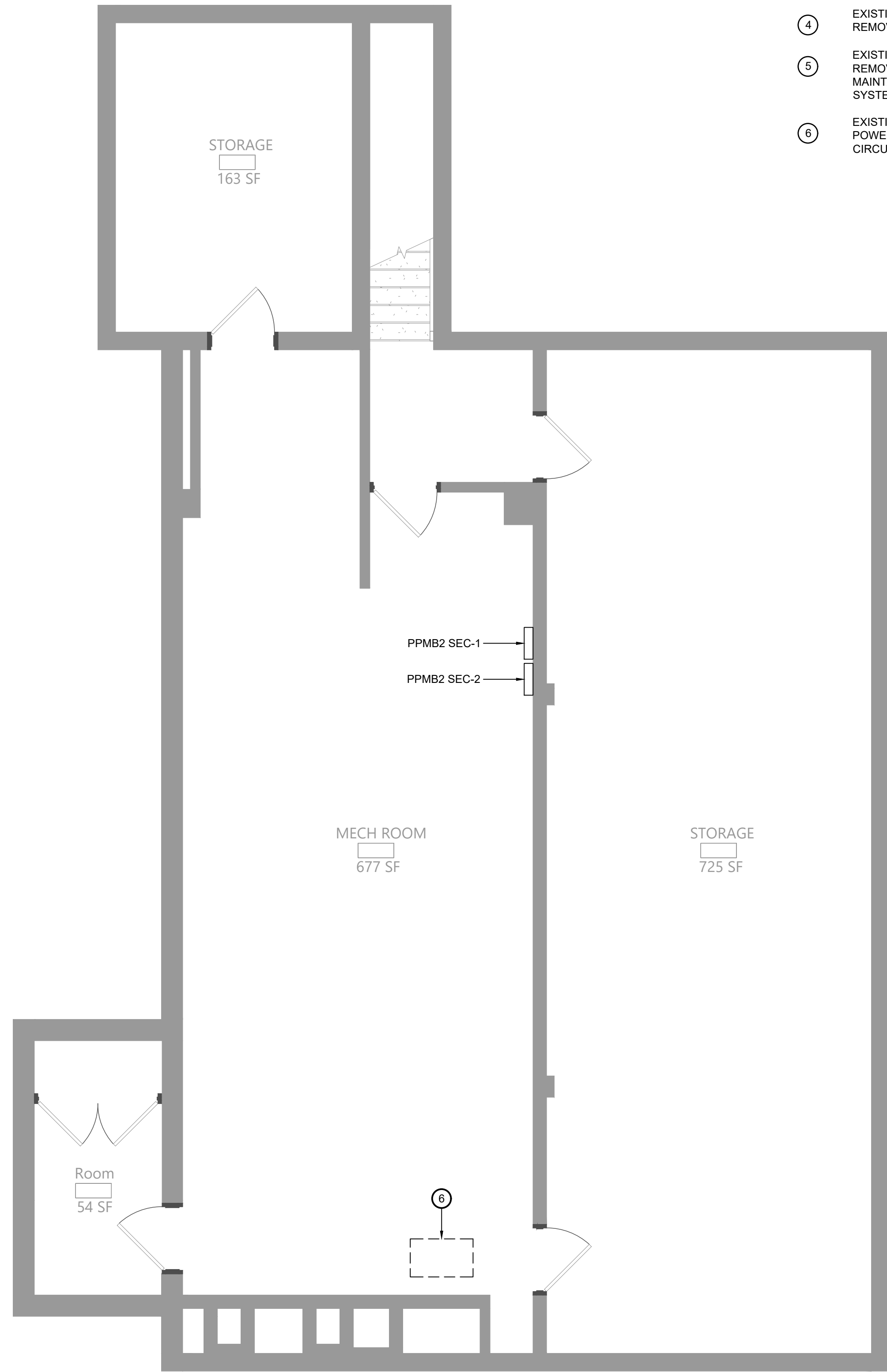
Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT;
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT;
- PROVIDE 6'-0" LONG x 5'-2" DEEP x 18" HIGH 304 SS WALL MOUNTED CANOPY STYLE TYPE I KITCHEN HOOD W/ HOOD MOUNTED UTILITY CABINET; MOUNT HOOD AT 84" ABOVE FINISHED FLOOR. SEE KITCHEN HOOD NOTES ON MG001
- 12" DEEP UTILITY CABINET W/ COMPLETE R-102 FIRE SUPPRESSION SYSTEM INCLUDING ALL NOZZLES, FUSIBLE LINKS, PIPING, CABLING, TANK(S), PULL STATION
- PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM; INSTALL ON WALL AND CONNECT TO SYSTEM AT HOOD UTILITY CABINET
- 16"x16" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-FES
- PROVIDE NEW TRANSFER GRILLE IN CEILING; CONNECT TO EXISTING TRANSFER DUCT W/ 22"x22" DUCT CONNECTION
- EXISTING MAKEUP AIR GRILLE TO REMAIN; TRANSFERS AIR FROM CAFETERIA TO KITCHEN
- PATCHED OPENING IN DUCTWORK
- 16"x16" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-FES; TRANSITION DUCT AS NECESSARY AT FAN CONNECTION; INSTALL FAN ON 24" VENTED CURB



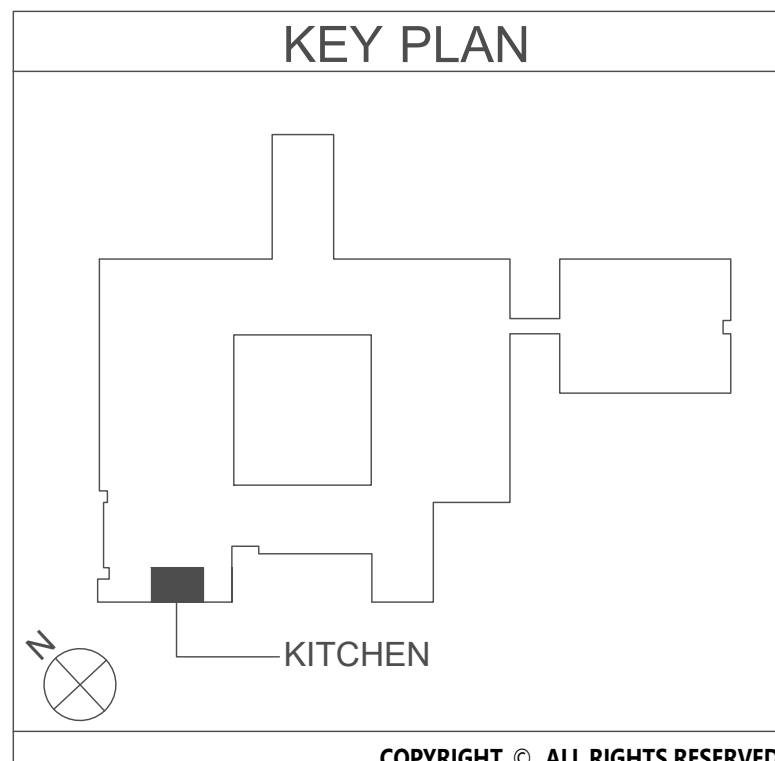


1 First Floor Electrical Demolition Plan
Scale: 1/4" = 1'-0"



1 Basement Electrical Demolition Plan
Scale: 1/4" = 1'-0"

- Key Notes:
- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
 - EXISTING RANGE TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
 - EXISTING CONVECTION OVEN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
 - EXISTING KITCHEN HOOD TO BE REMOVED; DISCONNECT & REMOVE POWER FOR LIGHTING BACK TO SOURCE
 - EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM TO BE REMOVED; DISCONNECT & REMOVE FIRE ALARM CONNECTION; MAINTAIN FOR RECONNECTION TO REPLACEMENT SUPPRESSION SYSTEM
 - EXISTING EXHAUST FAN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE (PANEL PPMB-2 IN FAN ROOM); MAINTAIN CIRCUIT FOR RECONNECTION TO REPLACEMENT FAN



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B

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
FLEETWOOD ELEMENTARY SCHOOL

Project Title

STATE OF NEW YORK
JENNIFER GEORGE
060979
LICENSED PROFESSIONAL ENGINEER

DATE	DESCRIPTION

Drawn By: BJK

Checked By: MGB

Proj. #: 59-04-02-06-7-999-005

CSArch Proj. #: 209-2003.01

Issued for Bid: 05/13/23

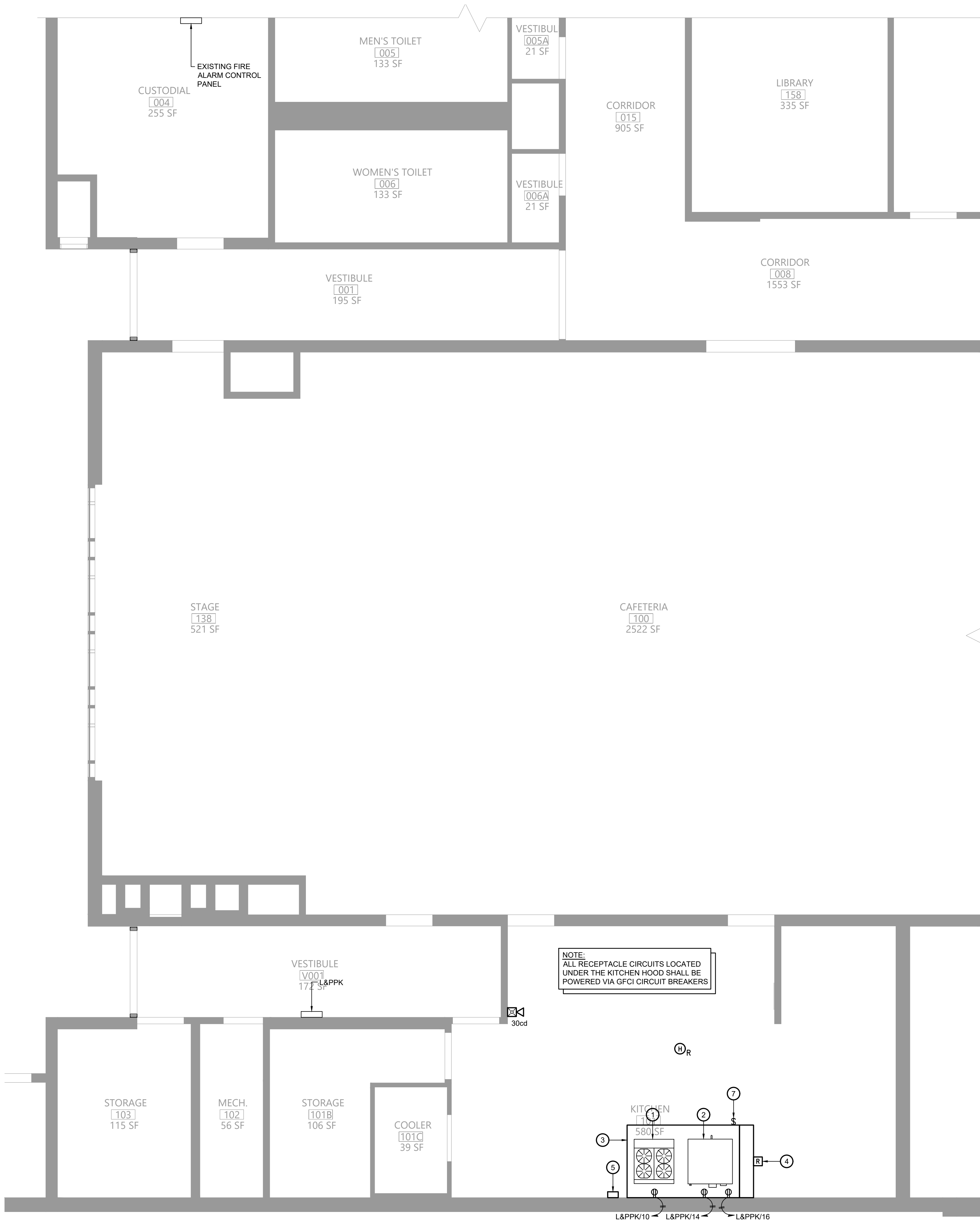
Sheet Title

ELECTRICAL
DEMOLITION
PLANS

Sheet No.

FES
E101

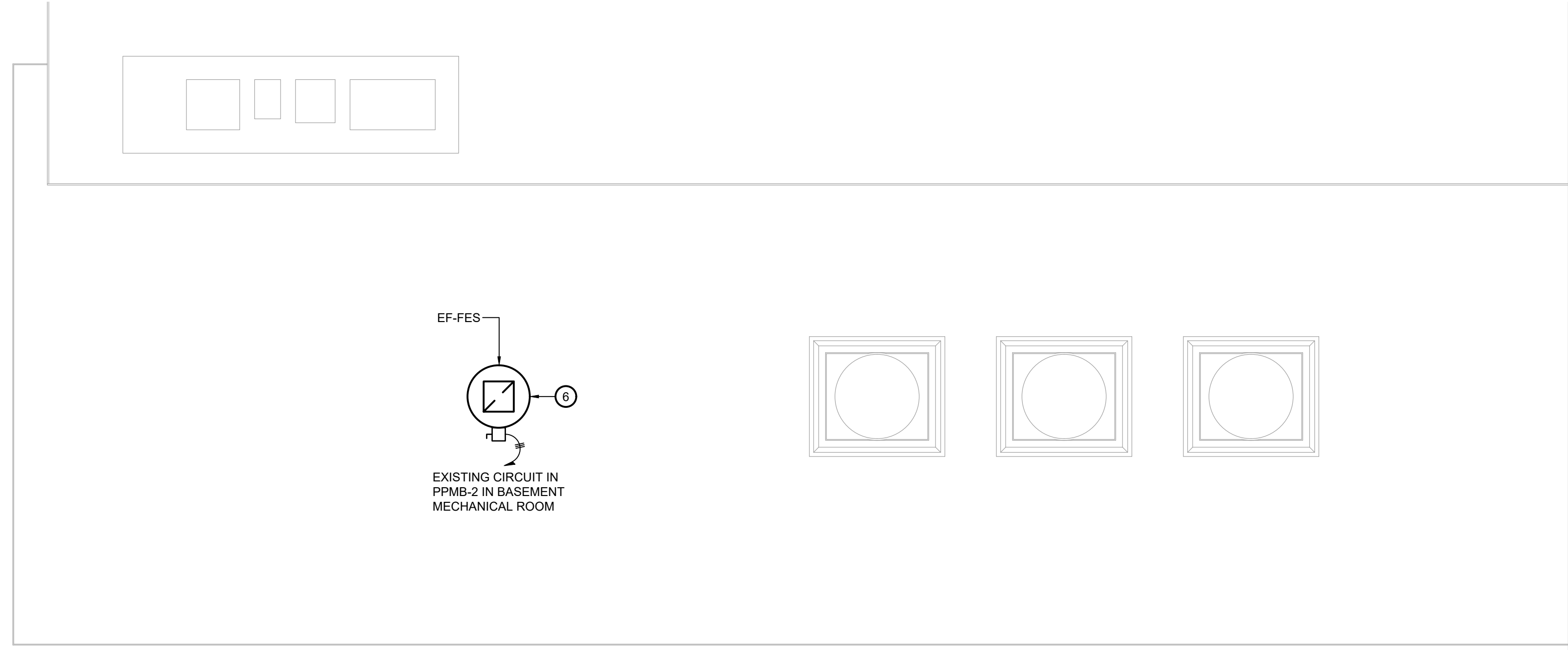
CONSTRUCTION DOCUMENTS



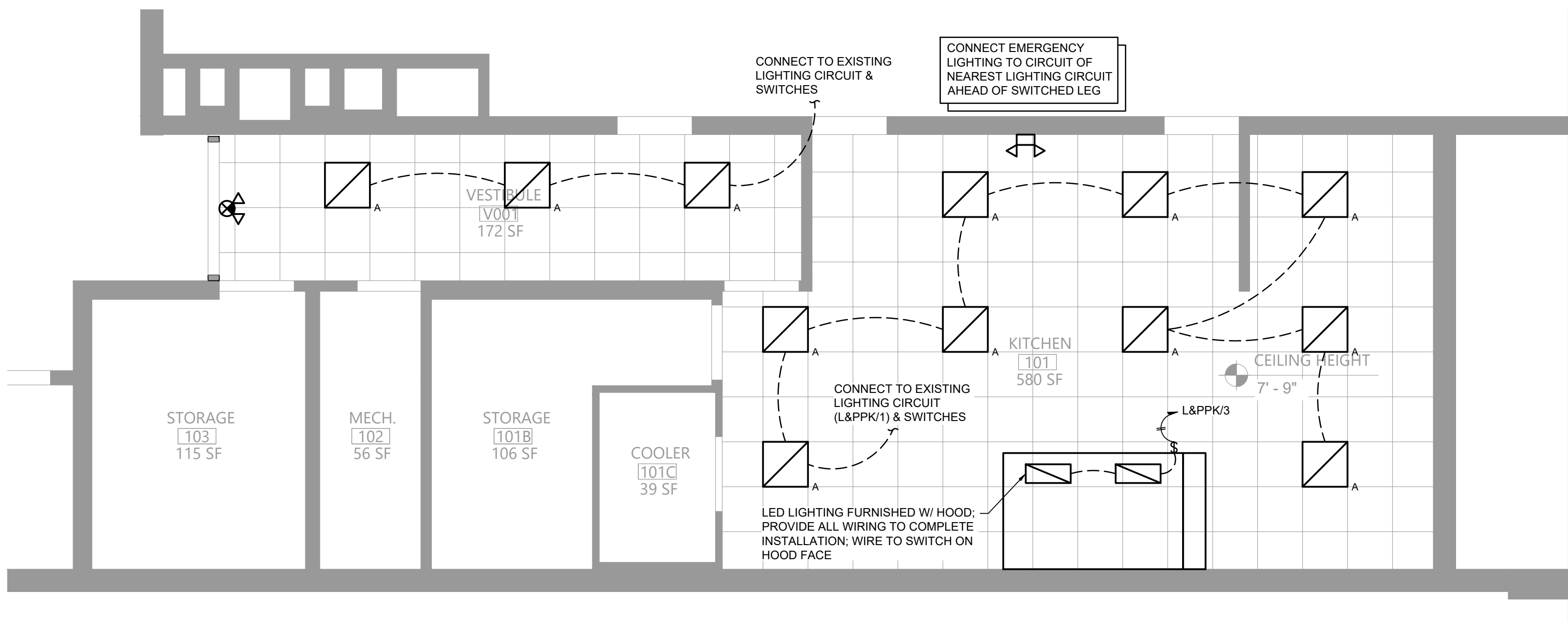
1 First Floor Electrical Plan
Scale: 1/4" = 1'-0"

120/208V 3Ø 4W+G				BUS RATING: 225A						MLO	
CONNECTED LOAD	CONDUCTORS	Ckt. Breaker Capacity	POSITION	L1 kVA	L2 kVA	L3 kVA	POSITION	Ckt. Breaker Capacity	CONDUCTORS	CONNECTED LOAD	
KITCHEN LIGHTING	(2) #12 CU & (1) #12 GND.	20	1	/	/	/	2	20	EXISTING	EXISTING	
HOOD LIGHTING	(2) #12 CU & (1) #12 GND.	20	3	/	/	/	4	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	5	/	/	/	6	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	7	/	/	/	8	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	9	/	/	/	10	20	(2) #12 CU & (1) #12 GND.	RANGE	
EXISTING	EXISTING	20	11	/	/	/	12	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	13	/	/	/	14	20	(2) #12 CU & (1) #12 GND.	OVEN	
EXISTING	EXISTING	30	15	/	/	/	16	20	(2) #12 CU & (1) #12 GND.	OVEN	
EXISTING	EXISTING	20	17	/	/	/	18	20	(2) #12 CU & (1) #12 GND.	HOOD CONTROL CIRCUIT	
EXISTING	EXISTING	20	19	/	/	/	20	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	21	/	/	/	22	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	23	/	/	/	24	20	EXISTING	EXISTING	
EXISTING	EXISTING	40	25	/	/	/	26	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	27	/	/	/	28	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	29	/	/	/	30	20	EXISTING	EXISTING	
SQUARE D NA1B PANEL				-	-	-	-	-	- kVA TOTAL		

2 Existing Kitchen Panelboard L&PPK
Scale: None



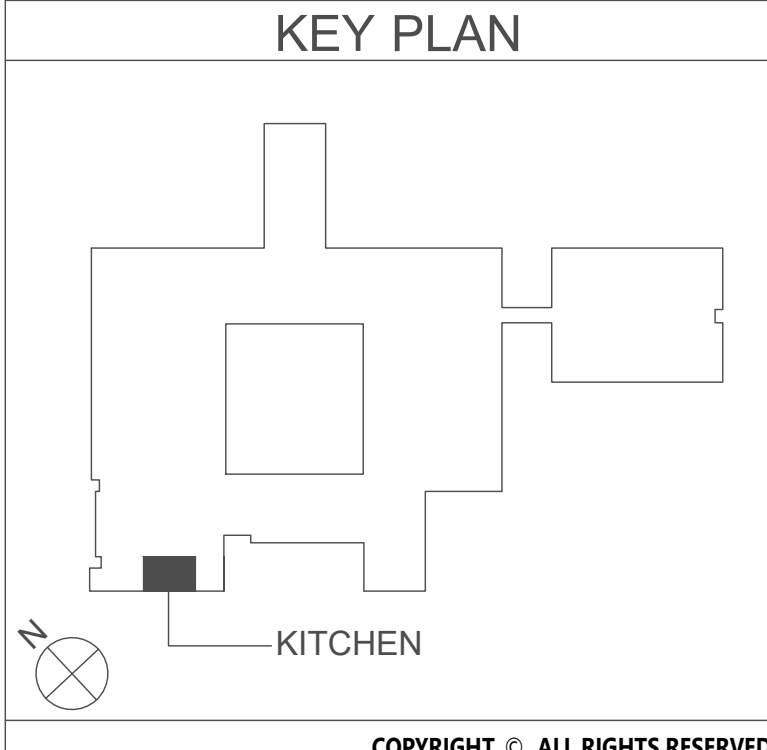
3 Roof Electrical Plan
Scale: 1/4" = 1'-0"

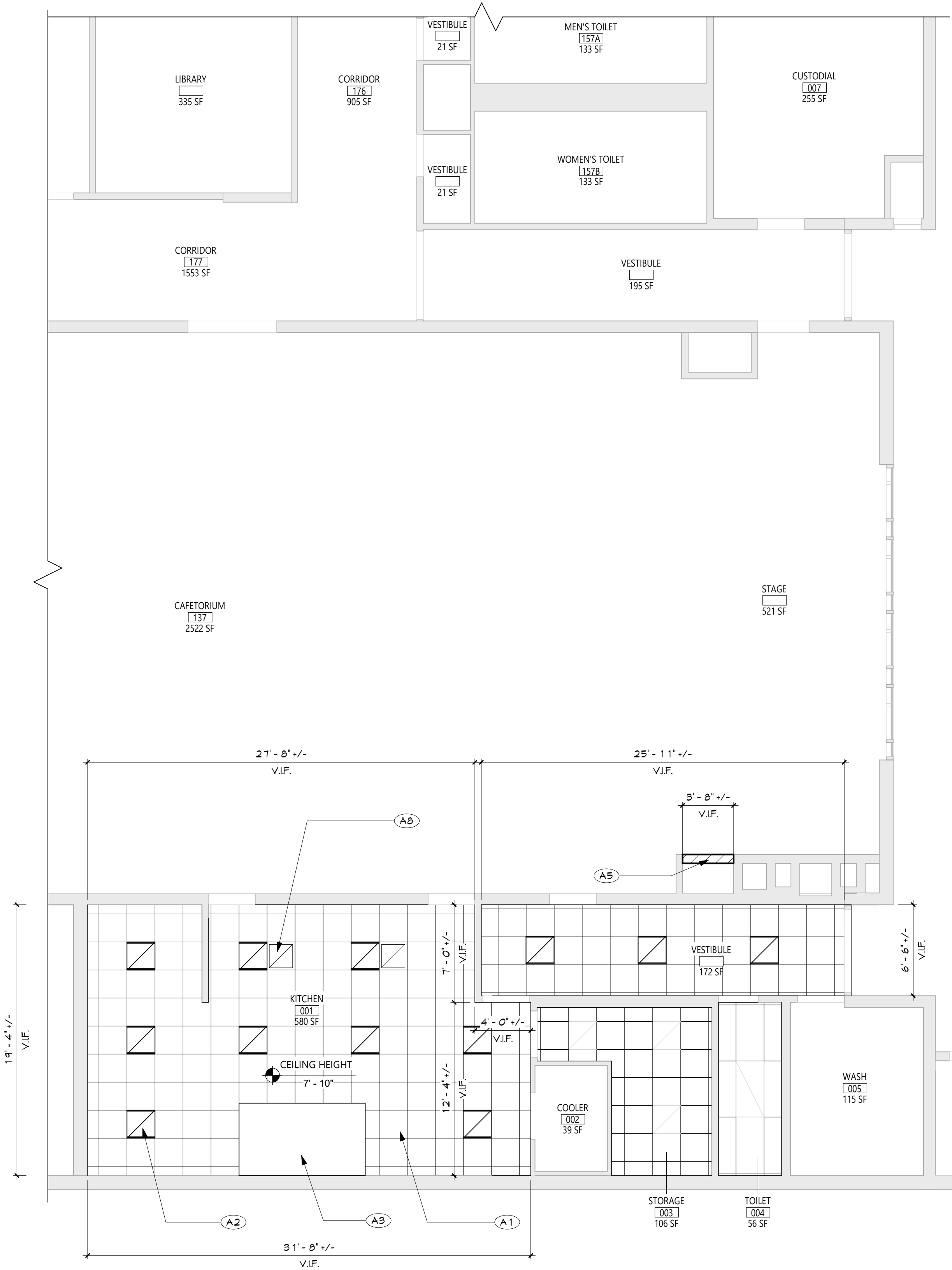


4 Lighting Plan
Scale: 1/4" = 1'-0"

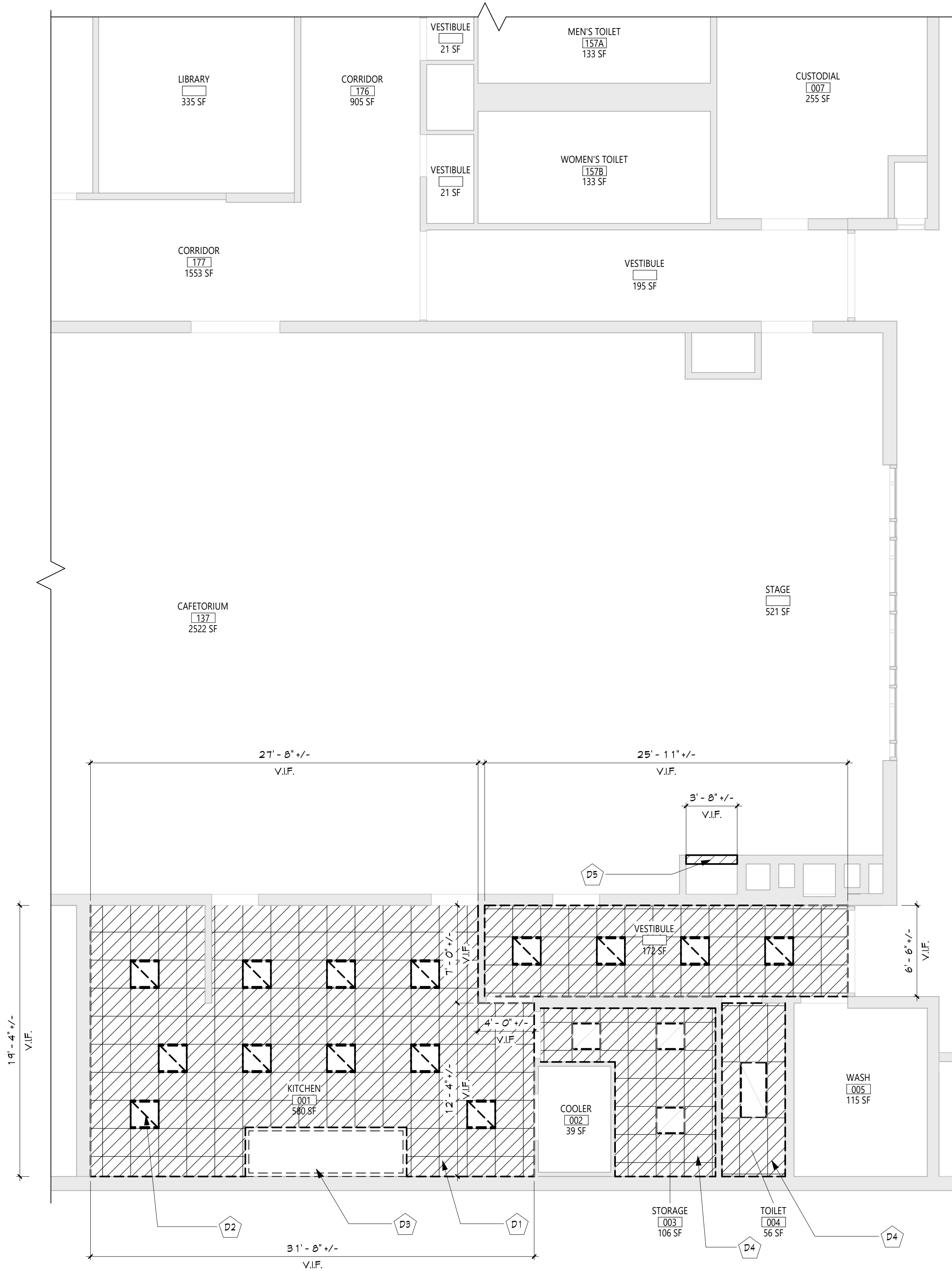
Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT; 120V W/ (1) NEMA 5-15P PLUGS, 3.4A
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT; 120V W/ (2) NEMA 5-15P PLUGS, 9.8A EACH
- KITCHEN HOOD; PROVIDE CIRCUITS FOR LIGHTING AND HOOD CONTROLS AS SHOWN; WIRE HOOD EXHAUST FAN POWER THRU HOOD CONTROLLER; SEE WIRING DIAGRAM ON SHEET EG001
- UTILITY CABINET W/ HOOD CONTROLLER AND FIRE SUPPRESSION SYSTEM; CONNECT TO EXISTING BUILDING FIRE ALARM SYSTEM; SEE FIRE SUPPRESSION SYSTEM SEQUENCE OF OPERATIONS ON SHEET EG001
- REMOTE CONTROL SWITCH IN ENCLOSURE TYPICAL OF ASCO 918 OR ACCEPTABLE EQUAL; 6 N/O AND 6 N/C CONTACTS; 120V CONTROL VOLTAGE; WIRE ALL CIRCUITS UNDER KITCHEN HOOD THRU CONTROL SWITCH; CONNECT TO HOOD CONTROLLER FOR CONTROL CIRCUIT & SHUNT TRIP
- PROVIDE 3 POLE 20A CIRCUIT TO NEW EXHAUST FAN; CONNECT TO EXISTING PANEL (PPMB-2 IN FAN ROOM); RUN POWER THRU HOOD AND THEN UP INSIDE 2ND FLOOR DUCT CHASE TO THE FAN ON THE ROOF; SEE WIRING DIAGRAM ON SHEET EG001
- EXHAUST FAN MANUAL SWITCH MOUNTED ON FACE OF HOOD; WIRE EXHAUST FAN POWER THRU CONTROLLER IN HOOD UTILITY CABINET





2 KITCHEN - NEW WORK REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



1 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"

GENERAL NOTES	
1.	REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2.	REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY.

CEILING NOTES	
1.	INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2.	INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3.	FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND	
	EXISTING GNB/PLASTER CEILING TO REMAIN
	EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
	EXISTING GNB/PLASTER CEILING TO BE REMOVED
	EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
	CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND	
	EXISTING GNB/PLASTER CEILING TO REMAIN
	EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
	NEW GNB/PLASTER CEILING
	NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
	CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.	
	2'X4' LIGHT FIXTURE
	2'X2' LIGHT FIXTURE
	1'X LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	RECESSED DOWN LIGHT
	CEILING MOUNTED EXIT SIGN
	CEILING MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED SMOKE DETECTOR
	CEILING MOUNTED HEAT DETECTOR
	CEILING MOUNTED PA SPEAKER
	CEILING MOUNTED SECURITY J-BOX
	CEILING MOUNTED MOTION SENSOR
	CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.	
	HVAC SUPPLY GRILLE
	HVAC RETURN GRILLE

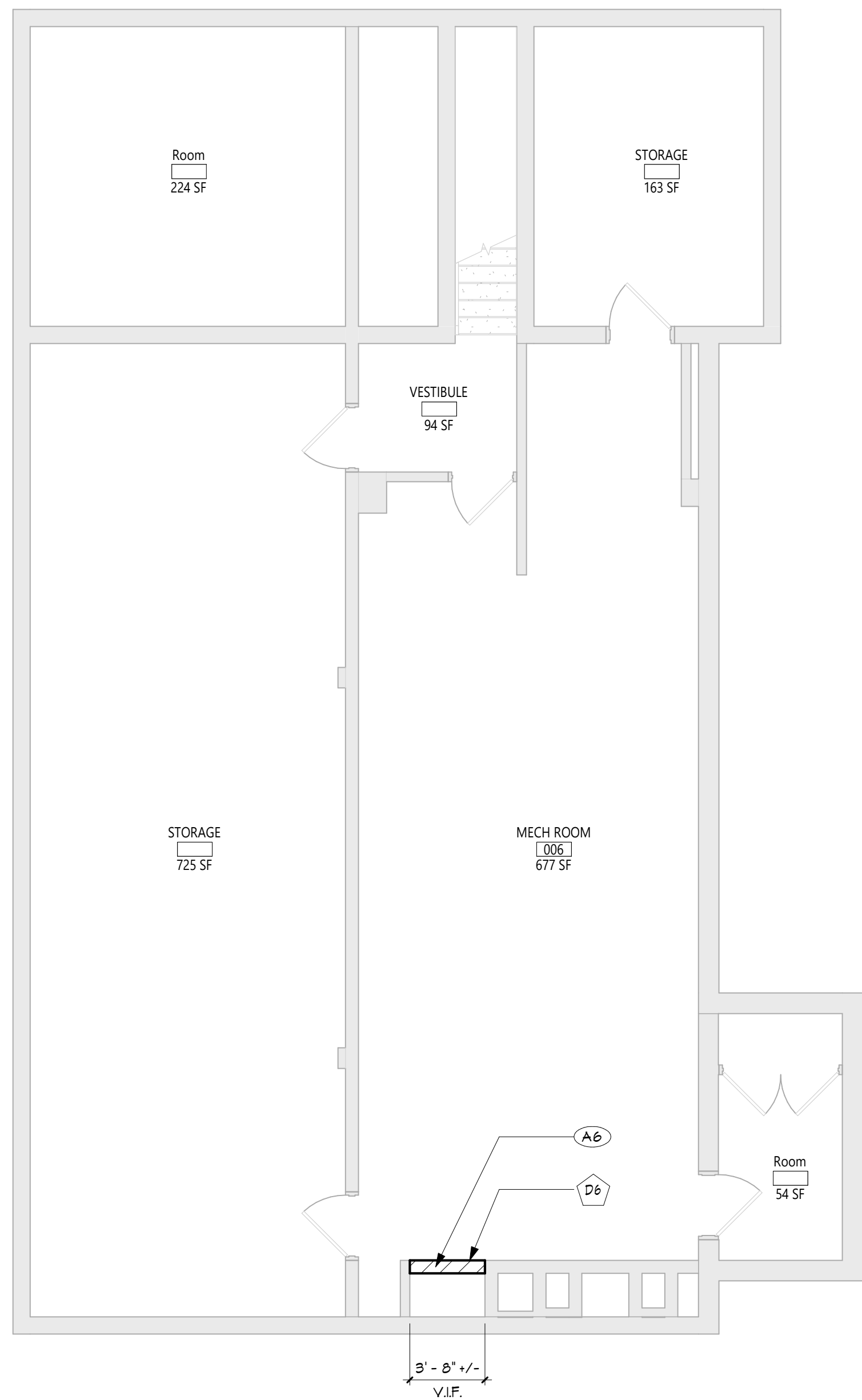
DEMOLITION KEY NOTES	
	DESCRIPTION
D1	REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH ABATEMENT AND MECH DWGS.
D2	EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.
D3	EXIST. KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.
D4	TEMPORARILY REMOVE AND STORE EXIST. SUSPENDED CLG TO ACCOMMODATE MECH DEMO WORK. COORD. WITH MECH DWGS
D5	REMOVE SECTION OF EXIST. WALL TO ACCOMMODATE MECH DEMO WORK. COORD. WITH MECH DWGS AND MC.

NEW WORK KEY NOTES	
	DESCRIPTION
A1	PROVIDE NEW SUSPENDED CLG. COORD. WITH NEW MECH WORK. SEE SPECS
A2	NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.
A3	NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.
A5	INFILL AND PATCH WITH SIMILAR MATERIAL TO MATCH EXIST. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS
A8	NEW CLG TRANSFER GRILLE. SEE MECH DWG FOR DETAILS

KEY PLAN	
	KITCHEN

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1 PARTIAL BASEMENT PLAN
A102 3/16" = 1'-0"








GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY.






CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO IN ROOMS OTHER THAN RECTANGULAR SHAPED. INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WORK ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.














CEILING DEMOLITION LEGEND

- | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | EXISTING GNB/PLASTER CEILING TO REMAIN |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN |
|  | EXISTING GNB/PLASTER CEILING TO BE REMOVED |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED |
|  | CEILING HEIGHT ABOVE FINISHED FLOOR |

CEILING NEW WORK LEGEND

- | | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
|  | EXISTING GNB/PLASTER CEILING TO REMAIN |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN |
|  | NEW GNB/PLASTER CEILING |
|  | NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM |
|  | CEILING HEIGHT ABOVE FINISHED FLOOR |


ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL
DRAWINGS FOR ADDITIONAL INFORMATION.

- | | |
|---------------------------------------------------------------------------------------|----------------------------------|
|  | 2'x4' LIGHT FIXTURE |
|  | 2'x2' LIGHT FIXTURE |
|  | 1'x LIGHT FIXTURE |
|  | PENDANT LIGHT FIXTURE |
|  | RECESSED DOWN LIGHT |
|  | CELINGS MOUNTED EXIT SIGN |
|  | CELINGS MOUNTED OCCUPANCY SENSOR |
|  | CELINGS MOUNTED SMOKE DETECTOR |
|  | CELINGS MOUNTED HEAT DETECTOR |
|  | CELINGS MOUNTED PA SPEAKER |
|  | CELINGS MOUNTED SECURITY J-BOX |
|  | CELINGS MOUNTED MOTION SENSOR |
|  | CELINGS MOUNTED DATA J-BOX |

MECHANICAL EQUIPMENT, REFER TO MECHANICAL
DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
 HVAC RETURN GRILLE

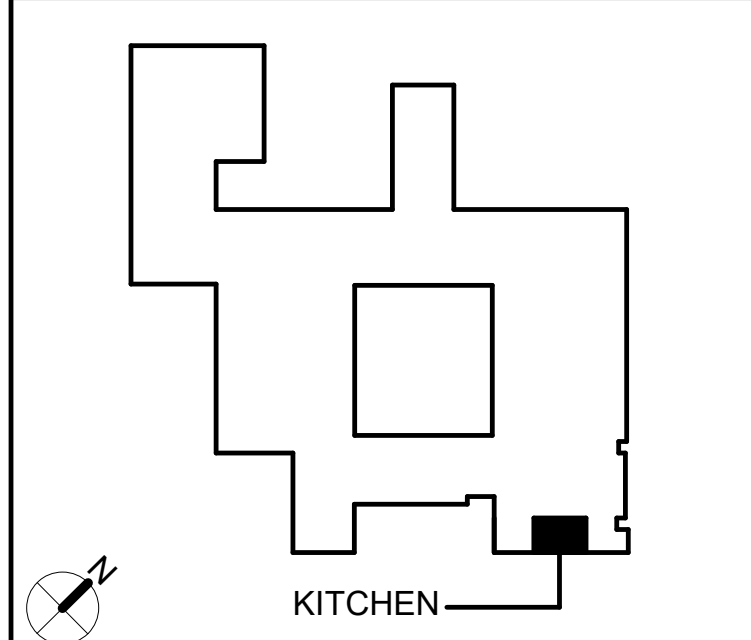
DEMOLITION KEY NOTES

	DESCRIPTION
D6	EXIST. EXHAUST FAN TO BE REMOVED. EXISTING ROOF OPENING TO REMAIN. SEE MECH DWGS FOR DETAILS.
D7	REMOVE SECTION OF EXIST. ROOF ASSEMBLY, INCLUDING ROOF MEMBRANE, SUBSTRATE, & DECKING TO ACCOMMODATE NEW WORK. GC TO COORDINATE WITH MC FOR LOCATION

NEW WORK KEY NOTES

#	DESCRIPTION
A6	INFILL AND PATCH EXIST. OPENING WITH SIMILAR MATERIAL TO MATCH EXIST. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS
A7	NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE WITH MC FOR LOCATION AND SIZE.

KEY PLAN

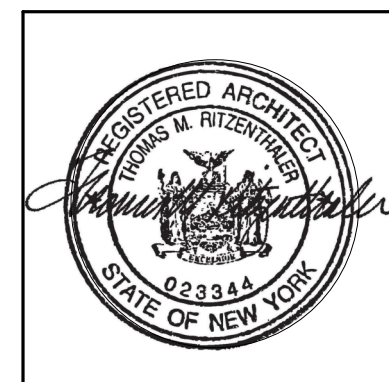



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Consultant

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
SUMMIT PARK ELEMENTARY SCHOOL



1		
	DATE	DESCRIPTION

Drawn By:	CS
Checked By:	CS
Proj. #:	50-04-02-06-7-999-00
CSArch Proj. #:	209-2003.0
Issued for Bid:	05/13/2

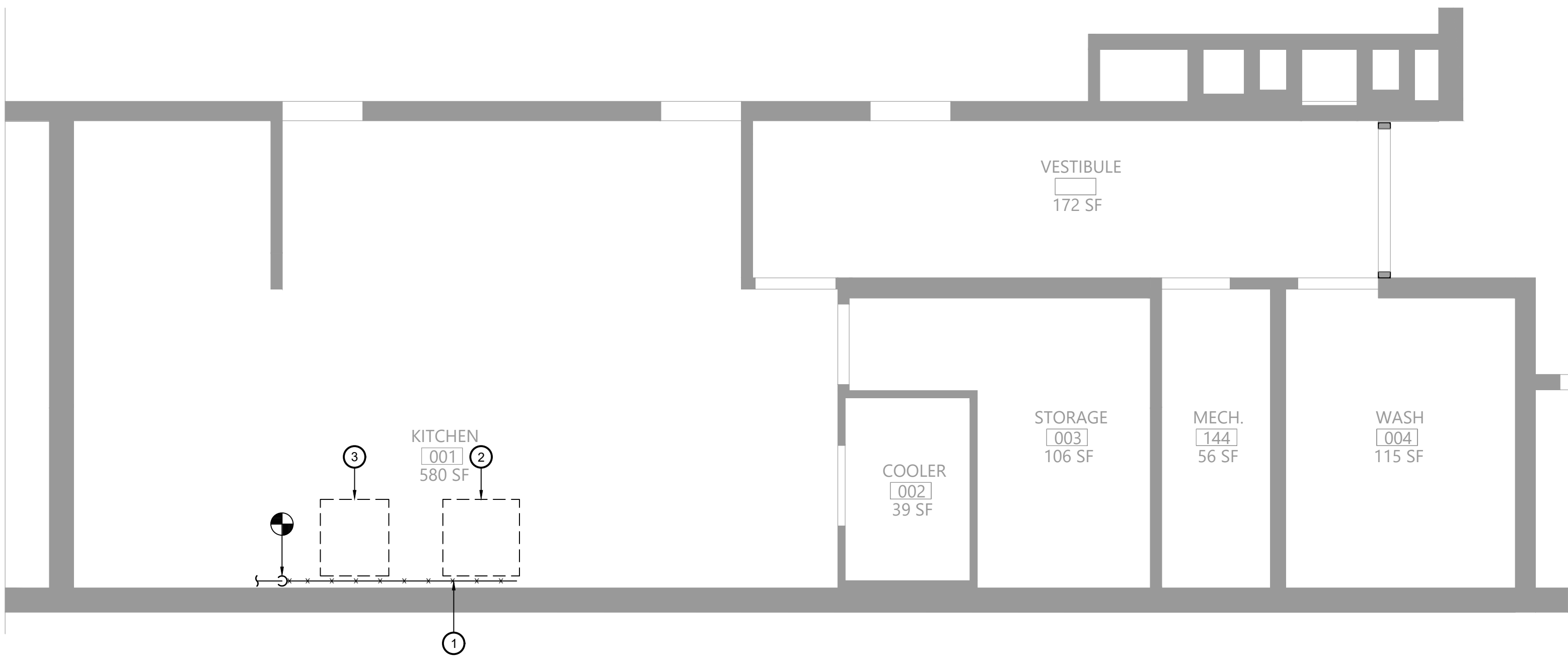
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PARTIAL
BASEMENT
AND ROOF
PLANS

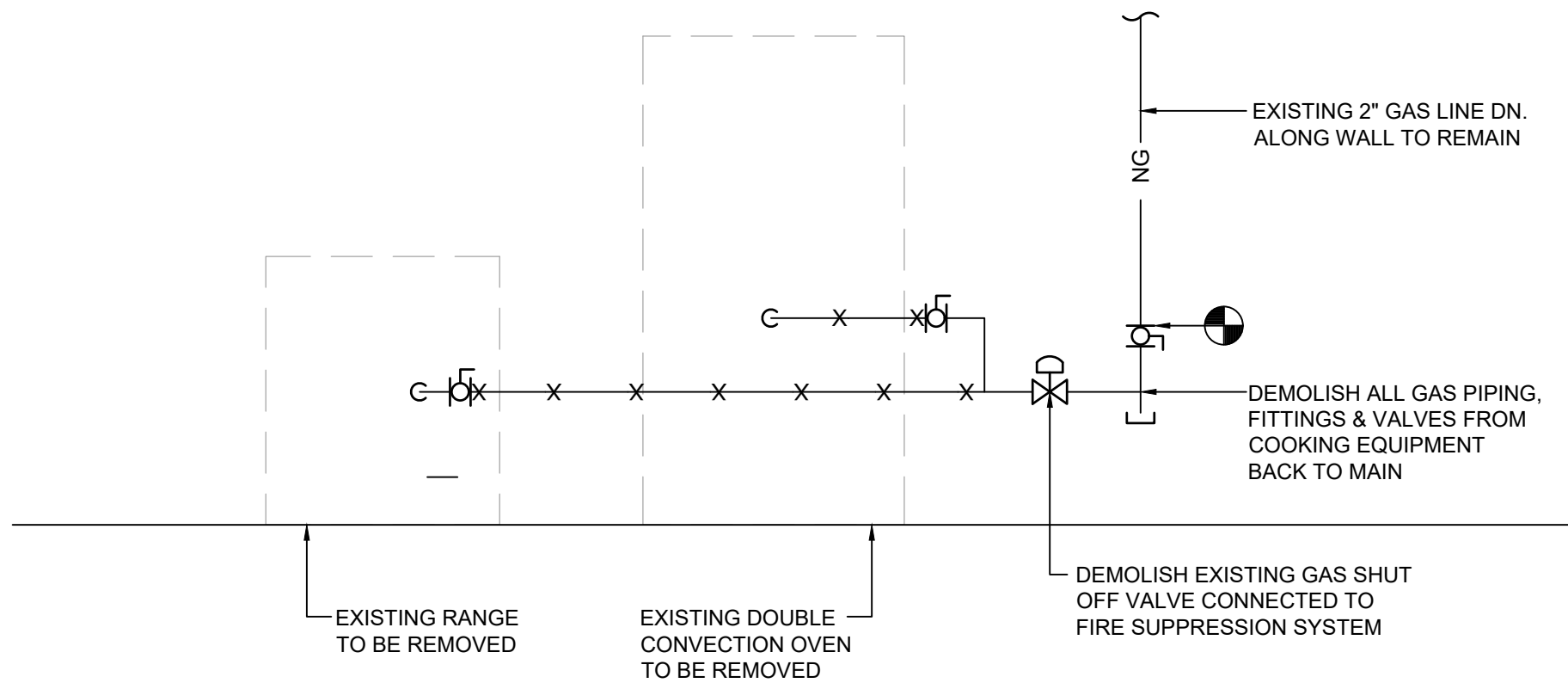
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SPES
A102

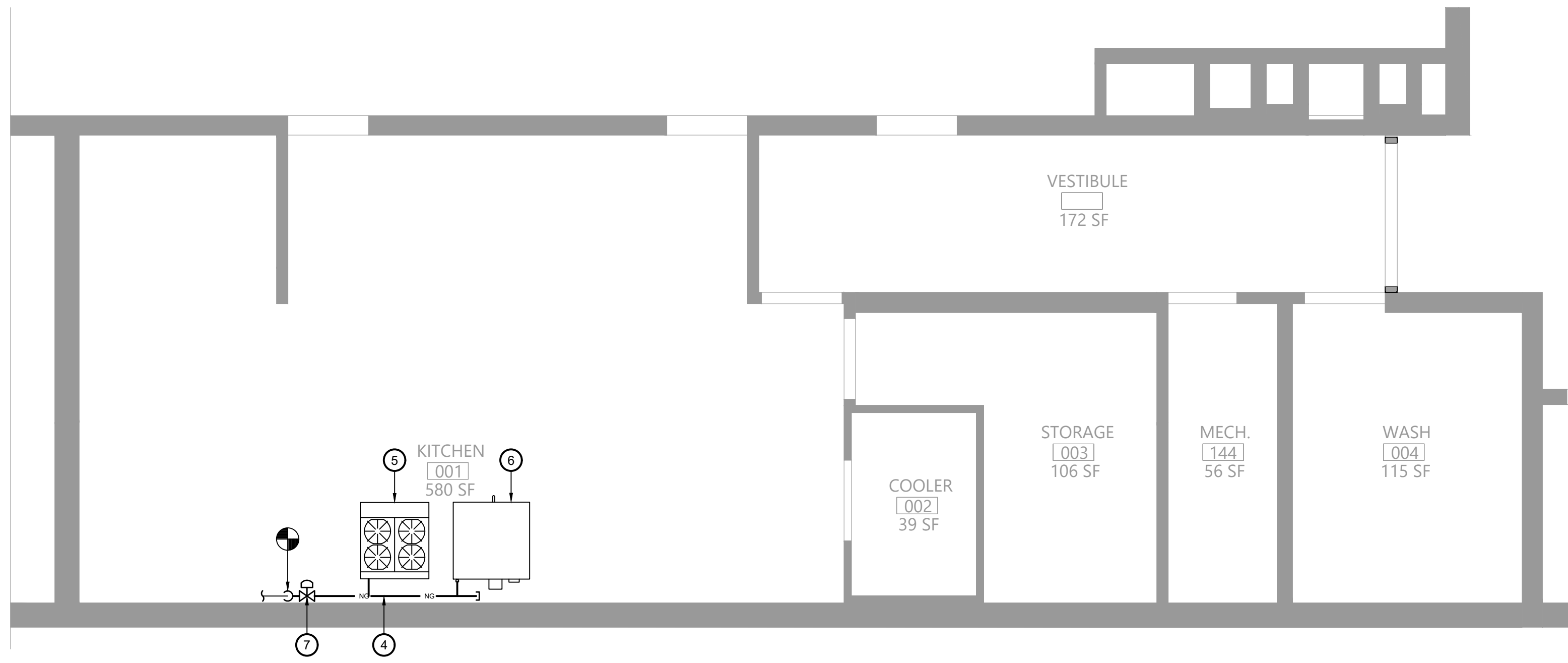
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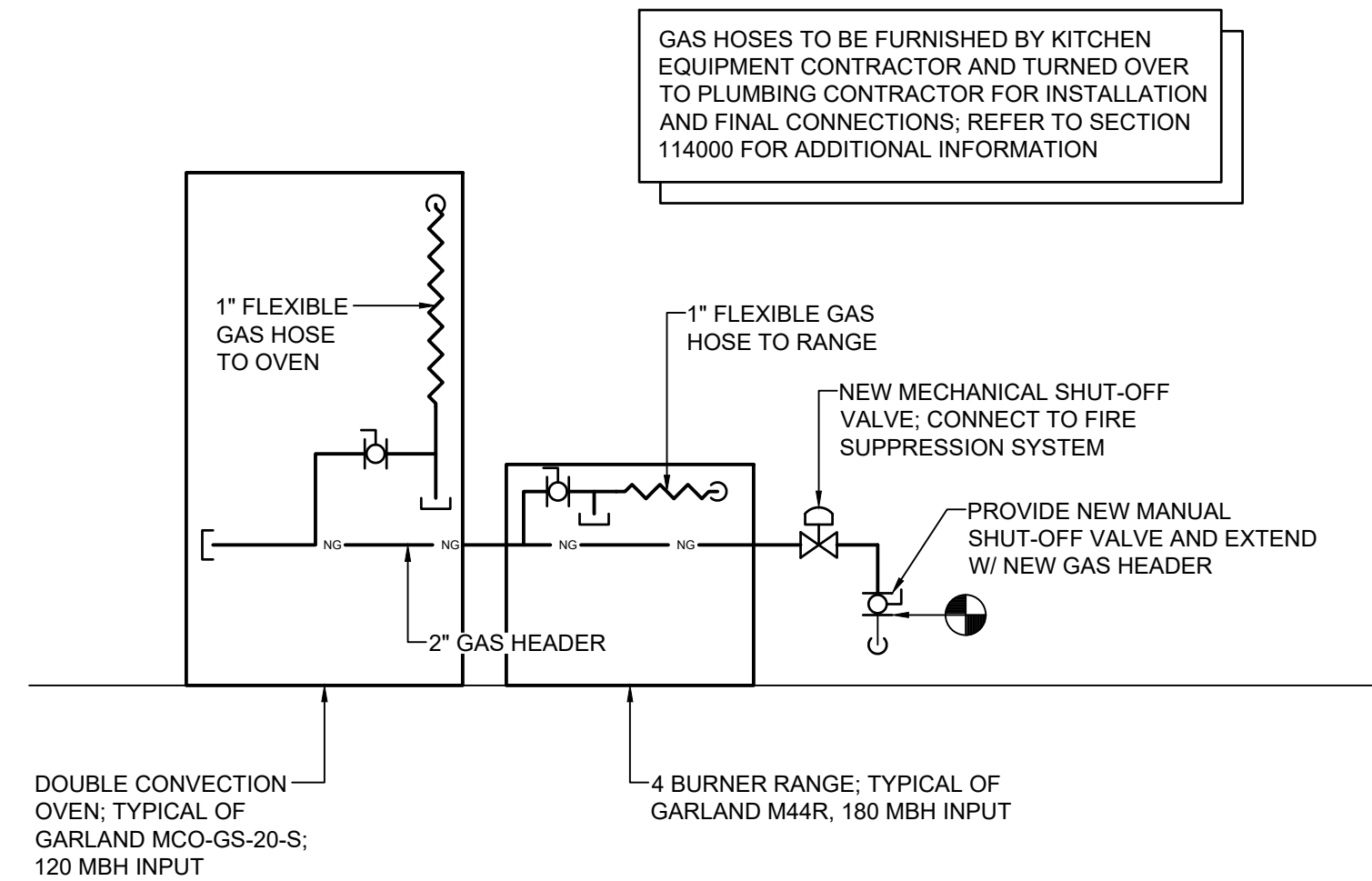
1 Plumbing Demolition Plan
P111 Scale: 1/4" = 1'-0"



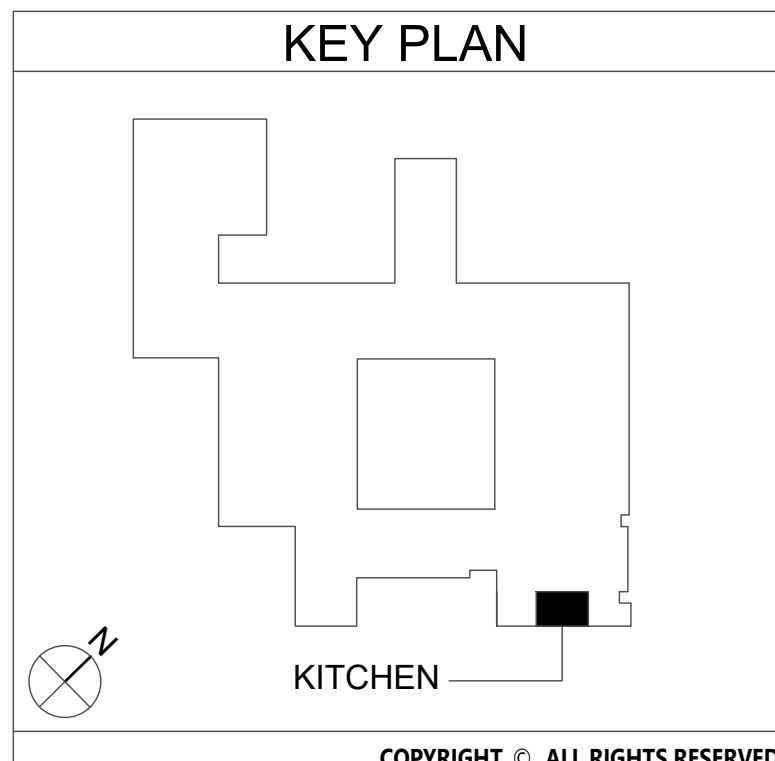
2 Gas Piping Demolition Diagram
P111 N.T.S.



3 Plumbing Plan
P111 Scale: 1/4" = 1'-0"



4 Gas Piping Diagram
P111 N.T.S.



- Key Notes:
- EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
 - EXISTING RANGE TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - EXISTING CONVECTION OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - PROVIDE 2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS
 - 4 BURNER RANGE TYPICAL OF GARLAND M44R; 180 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM

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A PROFESSIONAL ENGINEERING FIRM

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
SUMMIT PARK ELEMENTARY SCHOOL

Project Title

STATE OF NEW YORK
JENNIFER M. GEORGE
000039
LICENSED PROFESSIONAL ENGINEER

DATE	DESCRIPTION
05/13/23	ISSUED FOR BID

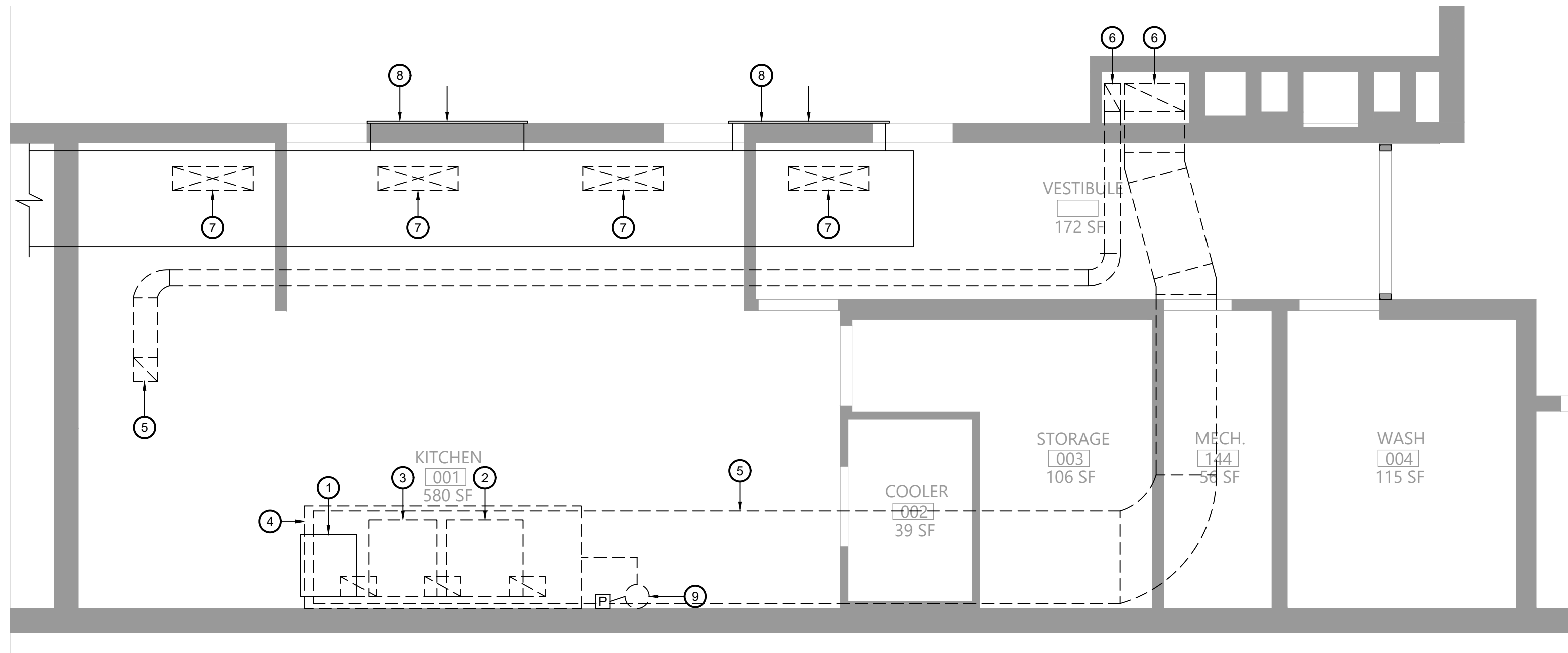
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Checked By: MGB
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Issued for Bid: 05/13/23

Sheet Title
PLUMBING
PLANS

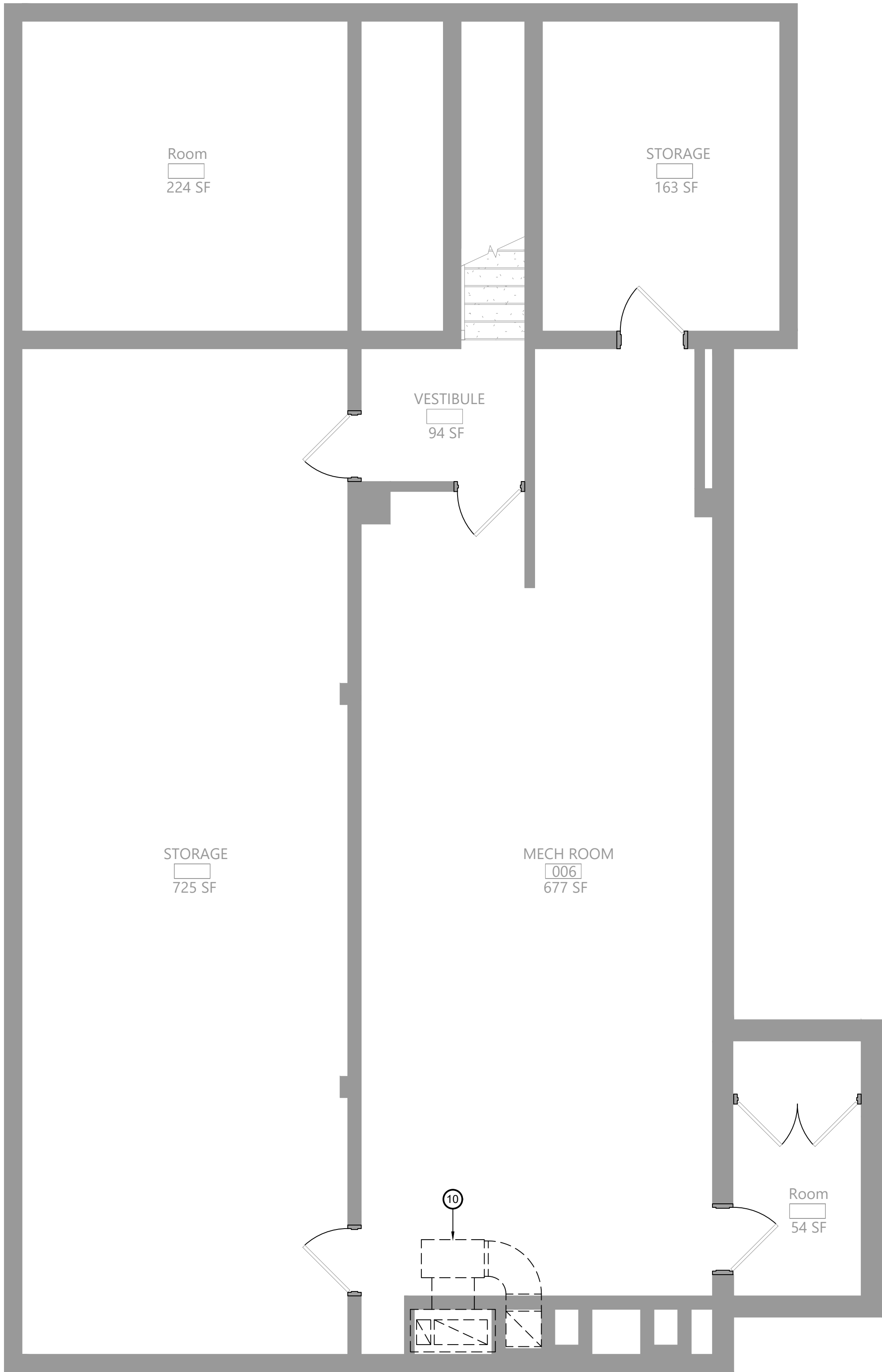
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CONSTRUCTION DOCUMENTS

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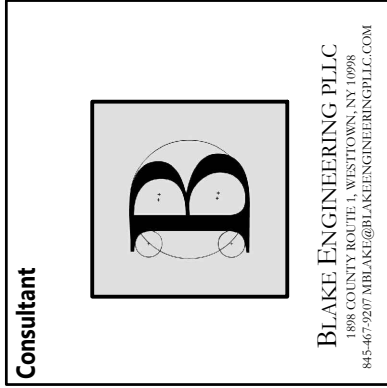
1 First Floor Mechanical Demolition Plan
M101 Scale: 1/4" = 1'-0"



2 Basement Mechanical Demolition Plan
M101 Scale: 1/4" = 1'-0"

Key Notes:

- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
- EXISTING RANGE TO BE REMOVED
- EXISTING CONVECTION OVEN TO BE REMOVED
- EXISTING KITCHEN HOOD TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
- EXISTING EXHAUST DUCTWORK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
- EXISTING EXHAUST DUCTWORK DN. IN CHASE TO BASEMENT MECHANICAL ROOM, ABANDON DUCT RISER IN CHASE AND SEAL THE TOP AND BOTTOM OPENINGS WHERE DUCTWORK IS DISCONNECTED AND REMOVED
- EXISTING OPENING IN TRANSFER DUCT: PATCH OPENING WITH SHEET METAL AND SEAL AIR TIGHT: SEE M111 FOR ADDITIONAL MODIFICATIONS TO TRANSFER AIR DUCT
- EXISTING MAKEUP AIR GRILLE TO REMAIN; TRANSFERS AIR FROM CAFETERIA TO KITCHEN
- EXISTING FIRE SUPPRESSION SYSTEM TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF: REMOVE ENTIRE SYSTEM INCLUDING TANK, CONTROL HEAD, PIPING, CONDUIT, CABLING, PULL STATION, NOZZLES
- EXISTING EXHAUST FAN IN BASEMENT TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, CONTROLS, ETC.



EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
SUMMIT PARK ELEMENTARY SCHOOL

Project Title



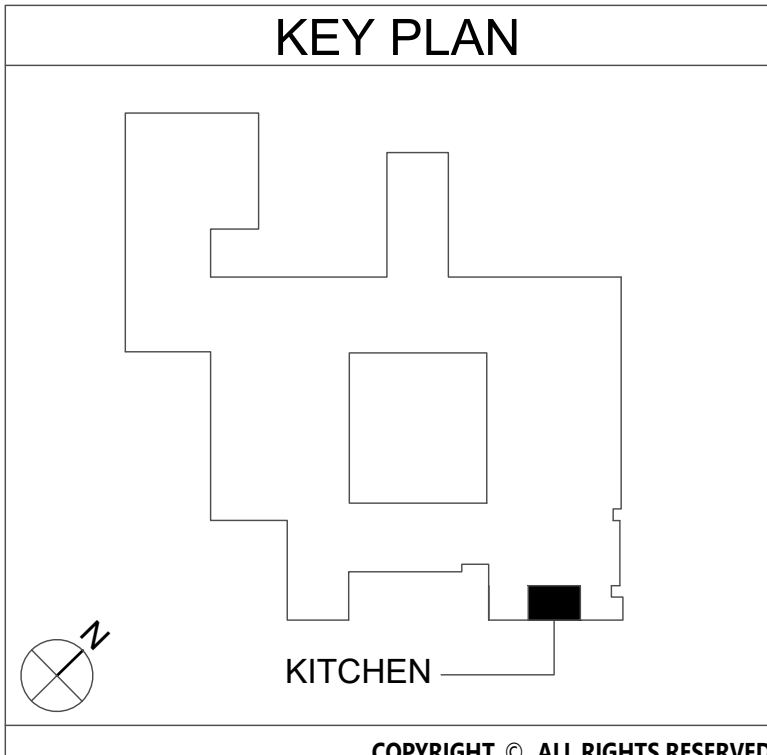
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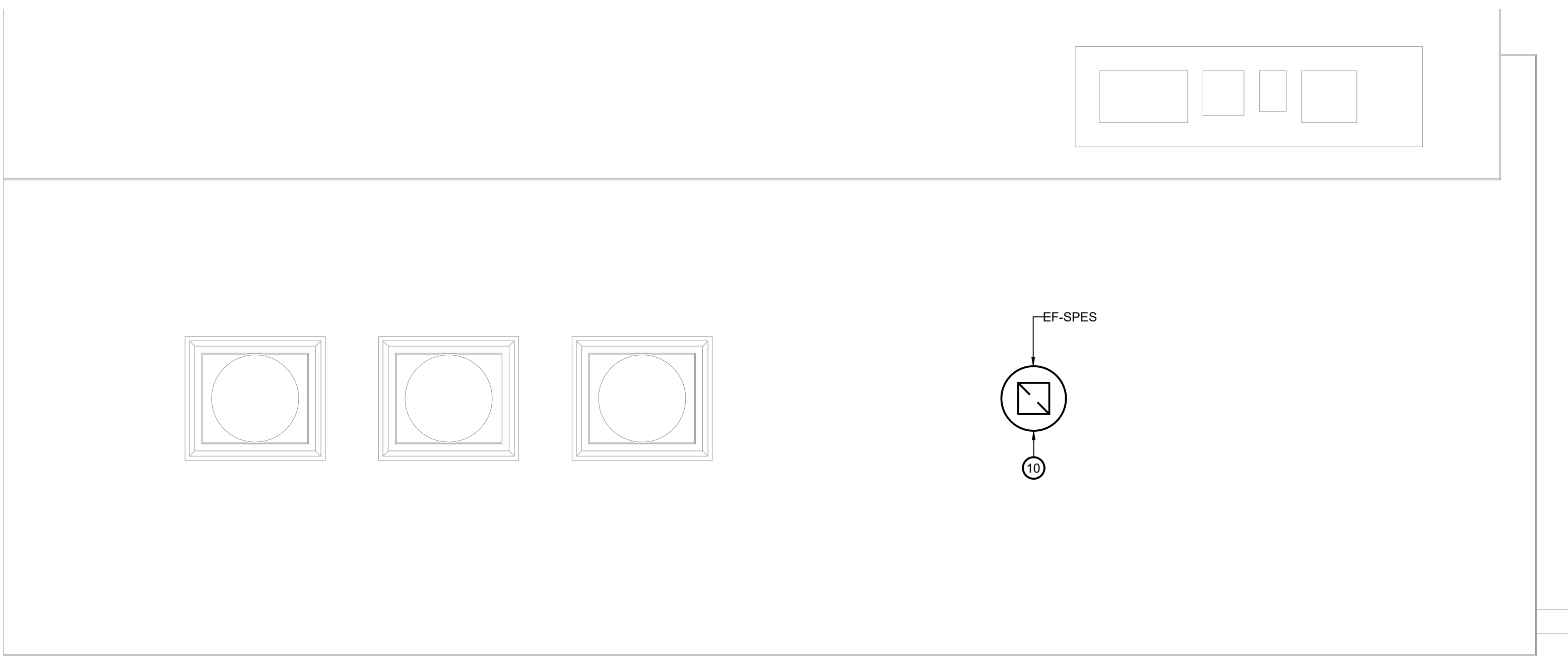
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MECHANICAL
DEMOLITION
PLAN

Sheet No.
SPES
M101

CONSTRUCTION DOCUMENTS



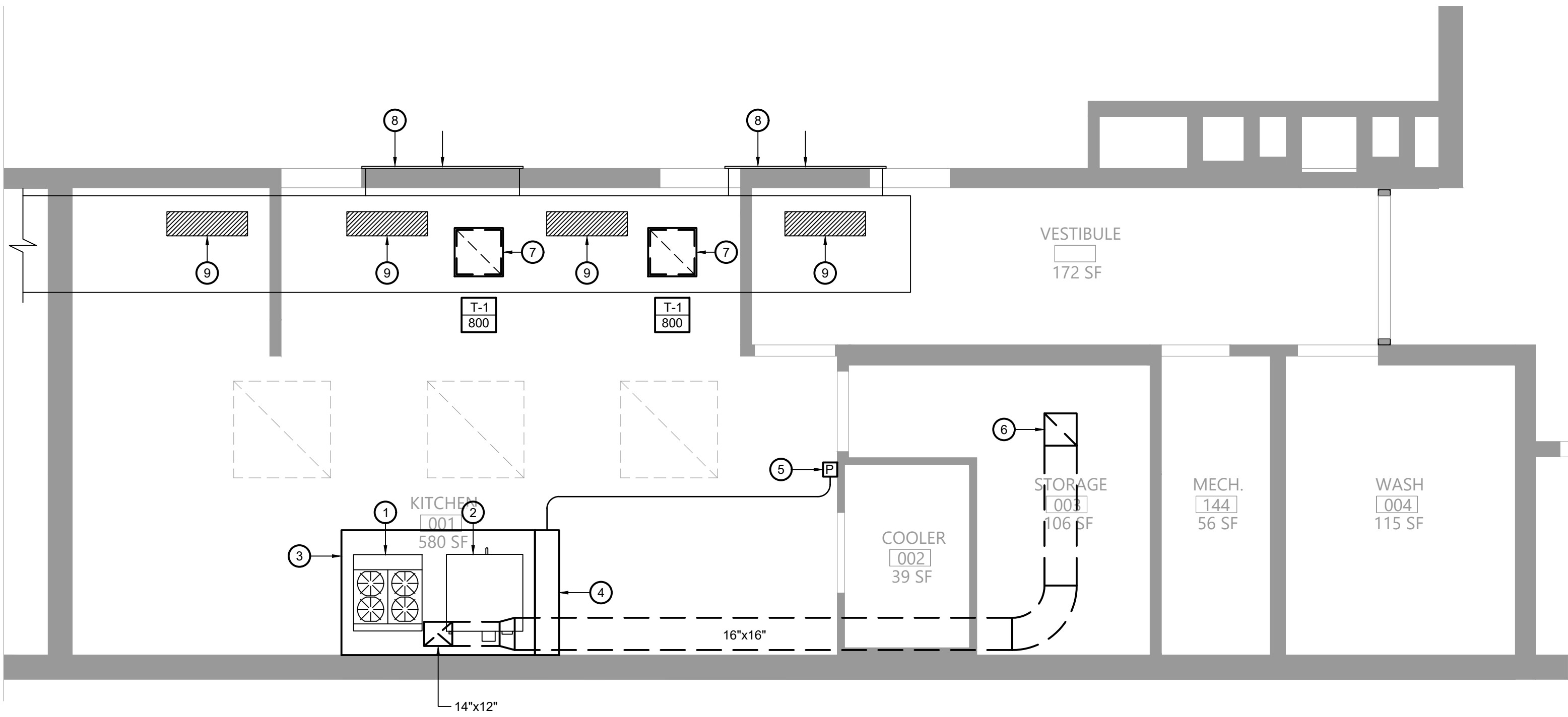
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1
M111

Roof Mechanical Plan

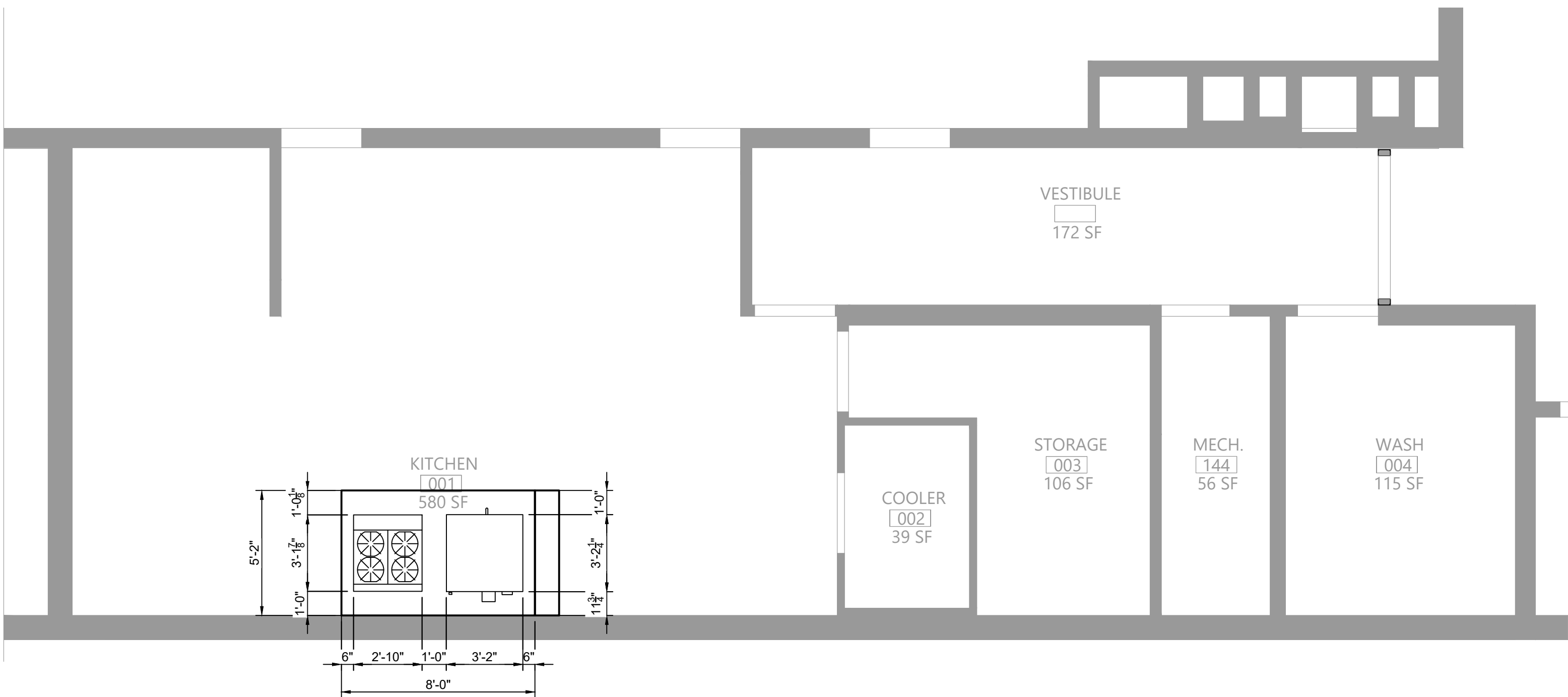
Scale: 1/4" = 1'-0"



2
M111

First Floor Mechanical Plan

Scale: 1/4" = 1'-0"



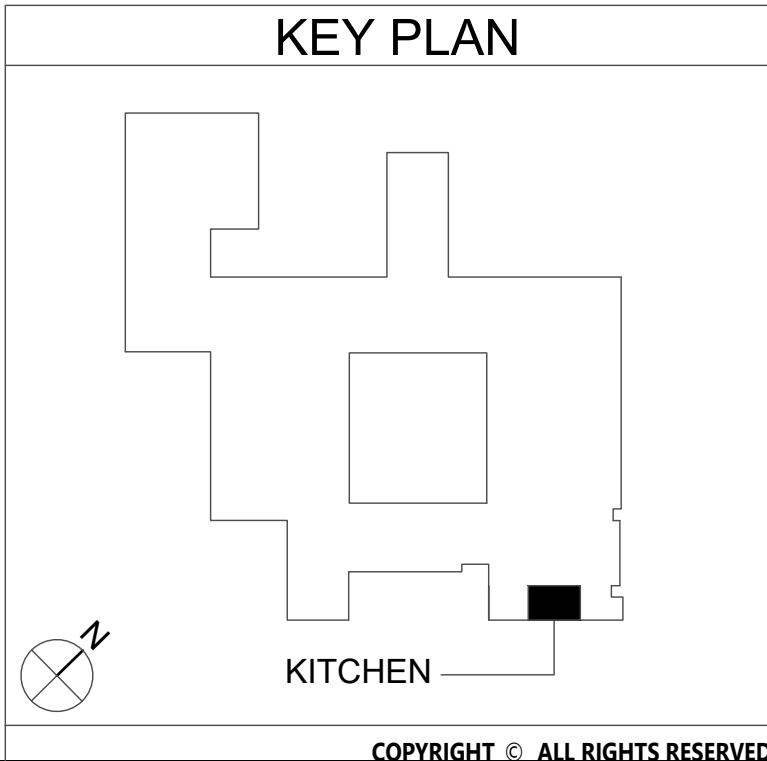
3
M111

Kitchen Hood Dimensions

Scale: 1/4" = 1'-0"

Key Notes:

- 1 NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT;
- 2 NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT;
- 3 PROVIDE 6'-0" LONG x 5'-2" DEEP x 18" HIGH 304 SS WALL MOUNTED CANOPY STYLE TYPE I KITCHEN HOOD W/ HOOD MOUNTED UTILITY CABINET; MOUNT HOOD AT 84" ABOVE FINISHED FLOOR. SEE KITCHEN HOOD NOTES ON MG001
- 4 12" DEEP UTILITY CABINET W/ COMPLETE R-102 FIRE SUPPRESSION SYSTEM INCLUDING ALL NOZZLES, FUSIBLE LINKS, PIPING, CABLING, TANK(S), PULL STATION
- 5 PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM; INSTALL ON WALL AND CONNECT TO SYSTEM AT HOOD UTILITY CABINET
- 6 16"x16" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-FES
- 7 PROVIDE NEW TRANSFER GRILLE IN CEILING, CONNECT TO EXISTING TRANSFER DUCT W/ 22"x22" DUCT CONNECTION
- 8 EXISTING MAKEUP AIR GRILLE TO REMAIN; TRANSFERS AIR FROM CAFETERIA TO KITCHEN
- 9 PATCHED OPENING IN DUCTWORK
- 10 16"x16" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-FES; TRANSITION DUCT AS NECESSARY AT FAN CONNECTION, INSTALL FAN ON 24" VENTED CURB



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Consultant

BLAKE ENGINEERING PLLC
1000 WEST 10TH AVENUE SUITE 200
DENVER, CO 80202

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
SUMMIT PARK ELEMENTARY SCHOOL

Project Title

REV	DATE	DESCRIPTION

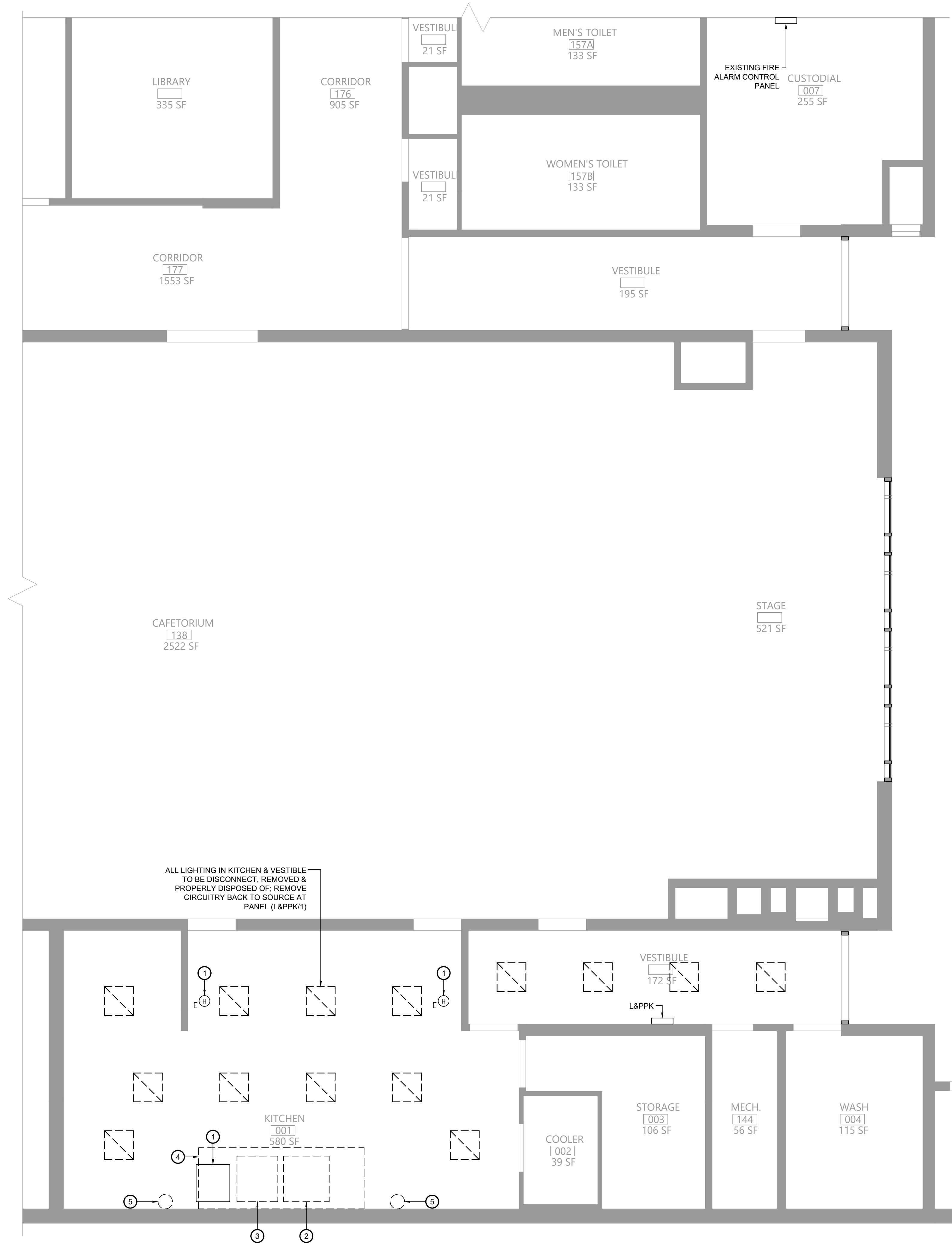
Drawn By: MGB
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CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

Sheet Title
MECHANICAL
PLANS

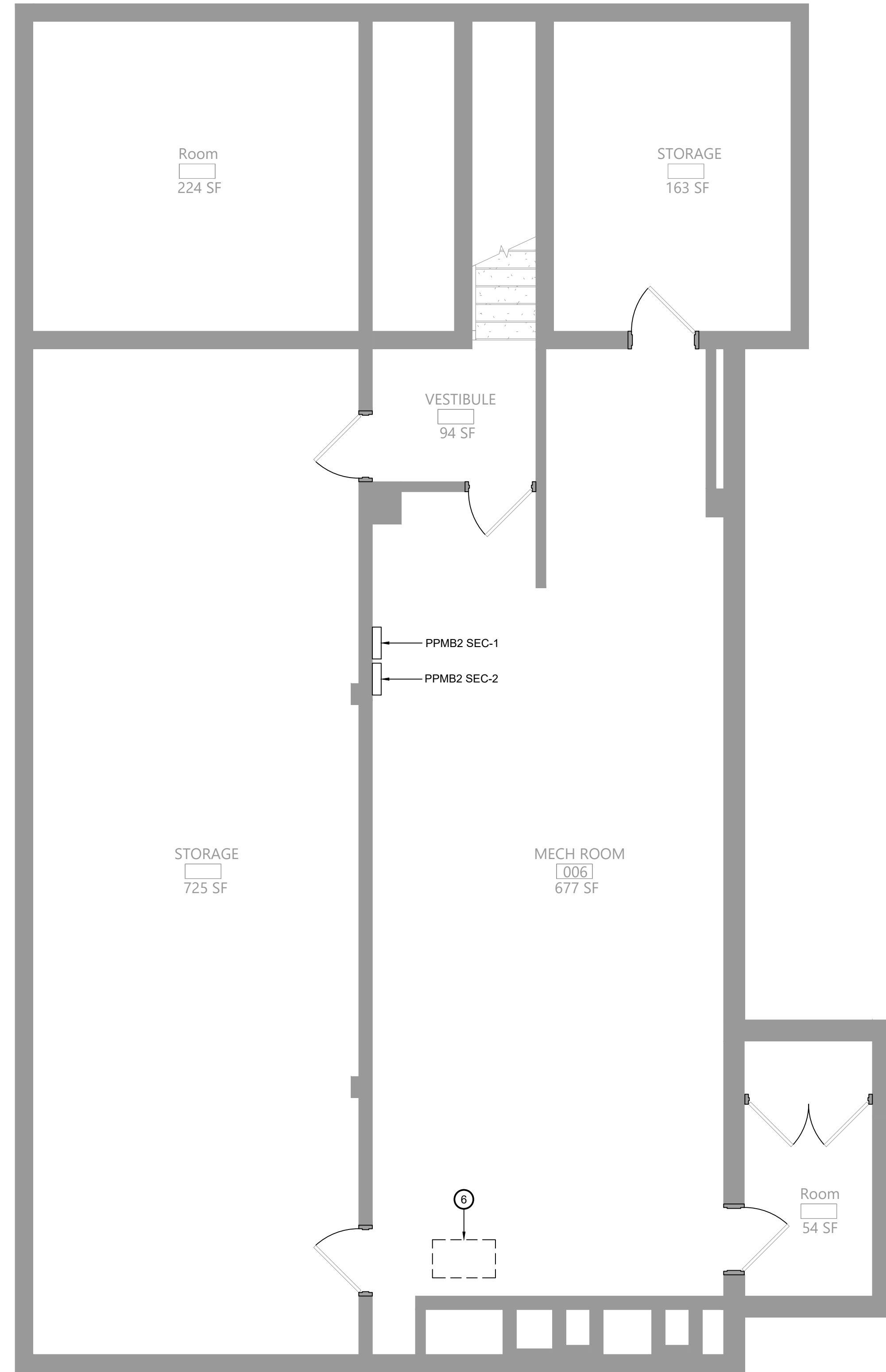
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M111

CONSTRUCTION DOCUMENTS

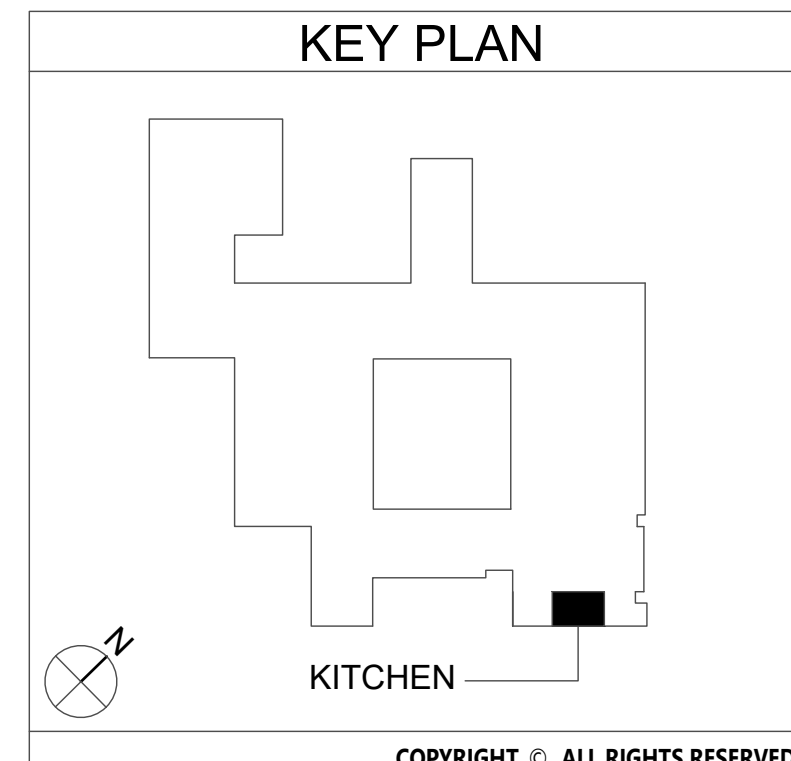
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1 First Floor Electrical Demolition Plan
E101 Scale: 1/4" = 1'-0"



1 Basement Electrical Demolition Plan
E101 Scale: 1/4" = 1'-0"



- Key Notes:
- 1 DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING HEAT DETECTOR
 - 2 EXISTING RANGE TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
 - 3 EXISTING CONVECTION OVEN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
 - 4 EXISTING KITCHEN HOOD TO BE REMOVED; DISCONNECT & REMOVE POWER FOR LIGHTING BACK TO SOURCE
 - 5 EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM TO BE REMOVED; DISCONNECT & REMOVE FIRE ALARM CONNECTION; MAINTAIN FOR RECONNECTION TO REPLACEMENT SUPPRESSION SYSTEM
 - 6 EXISTING EXHAUST FAN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE (PANEL PPMB-2 IN FAN ROOM); MAINTAIN CIRCUIT FOR RECONNECTION TO REPLACEMENT FAN

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LICENSED PROFESSIONAL ENGINEER
NO. 069979

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
SUMMIT PARK ELEMENTARY SCHOOL

DATE	DESCRIPTION

Drawn By: MGB

Checked By: MGB

Proj. #: 50-04-02-067-999-005

CSArch Proj. #: 209-2003.01

Issued for Bid: 05/13/23

Sheet Title

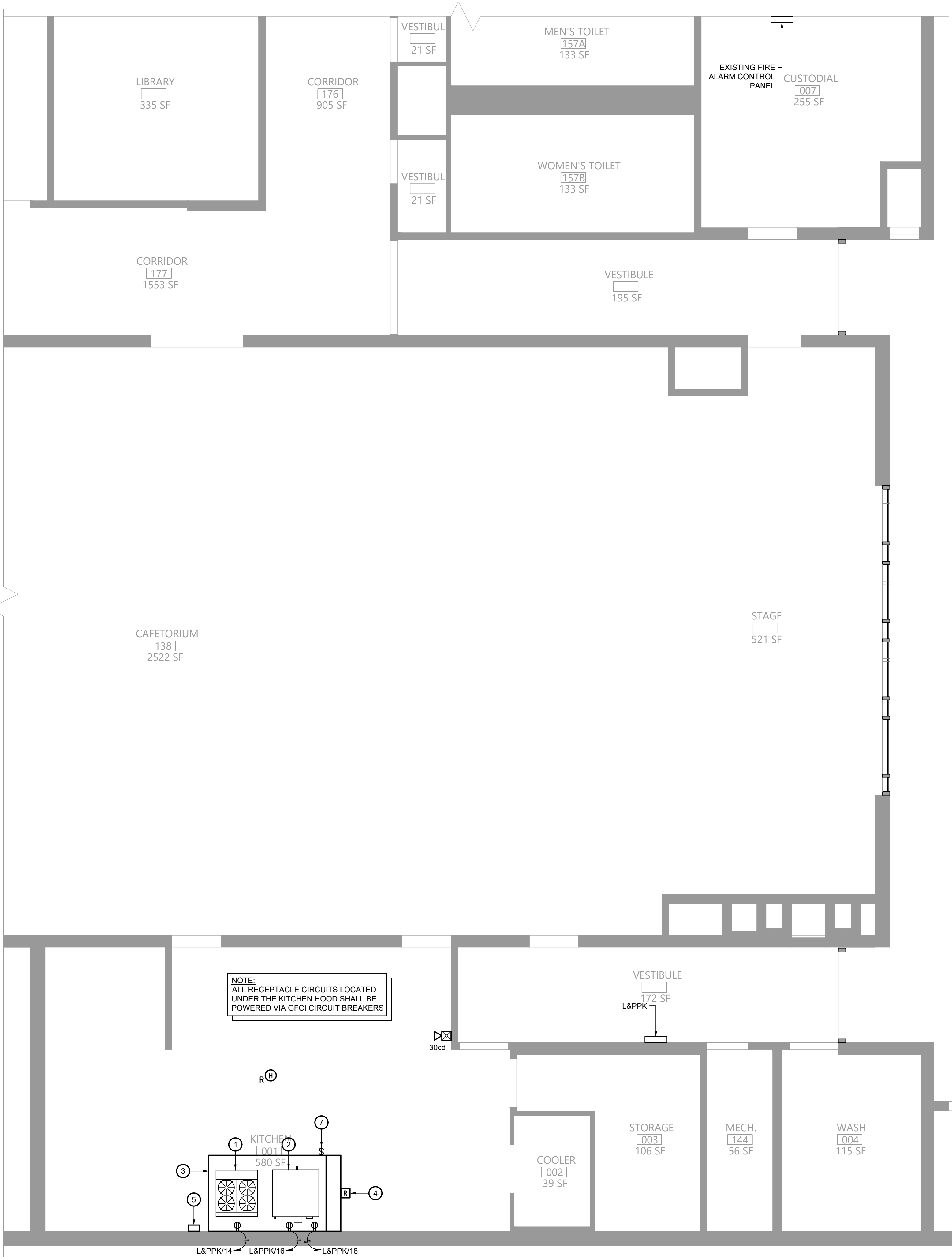
ELECTRICAL
DEMOLITION
PLANS

Sheet No.

SPES
E101

CONSTRUCTION DOCUMENTS

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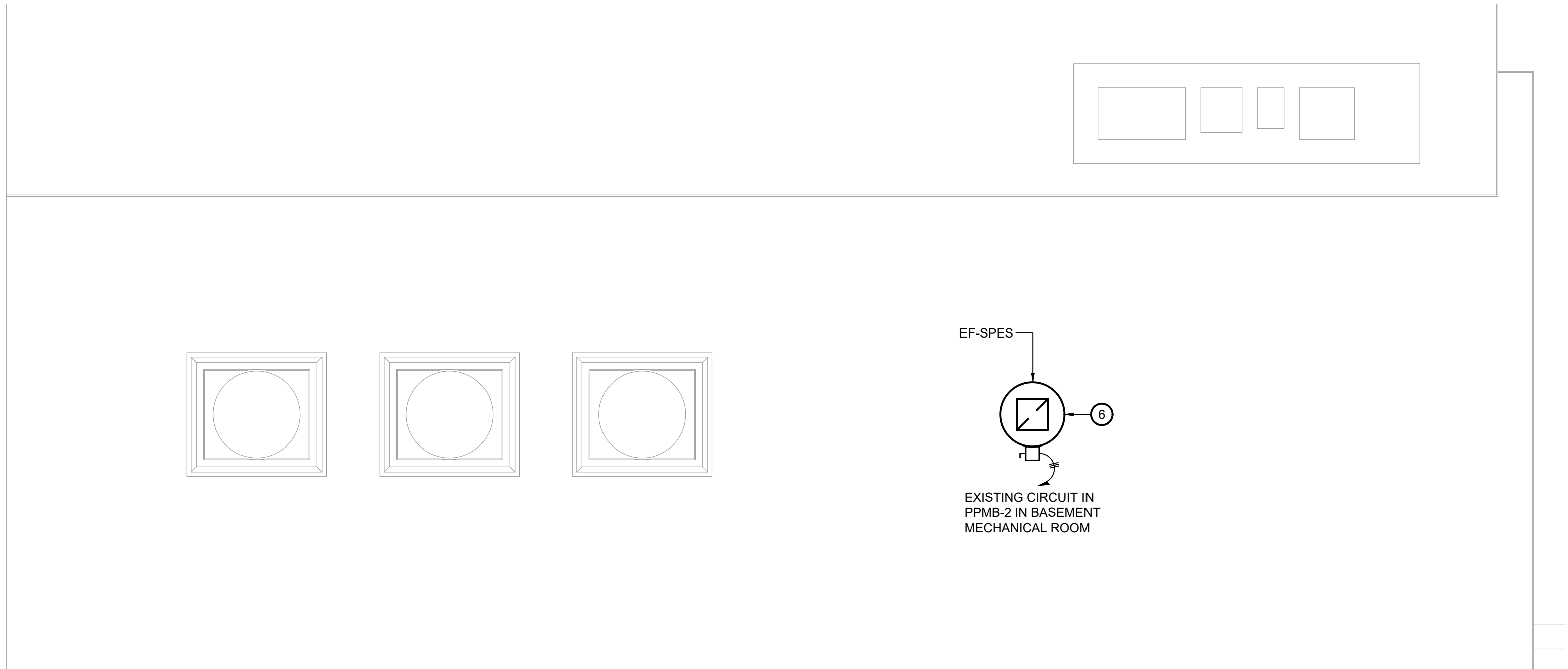
1 First Floor Electrical Plan

Scale: 1/4" = 1'-0"

BUS RATING: 225A										MLO
120/208V 3Ø 4W+G										
CONNECTED LOAD	CONDUCTORS	CRT. BREAKER AMPS	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CRT. BREAKER AMPS	CONDUCTORS	CONNECTED LOAD
EXISTING	EXISTING	20	1	-	-	-	2	20	(2) #12 CU & (1) #12 GND.	KITCHEN LIGHTING
EXISTING	EXISTING	20	3	-	-	-	4	20	(2) #12 CU & (1) #12 GND.	HOOD LIGHTING
EXISTING	EXISTING	20	5	-	-	-	6	20	EXISTING	EXISTING
EXISTING	EXISTING	20	7	-	-	-	8	20	EXISTING	EXISTING
EXISTING	EXISTING	20	9	-	-	-	10	20	EXISTING	EXISTING
EXISTING	EXISTING	20	11	-	-	-	12	20	EXISTING	EXISTING
EXISTING	EXISTING	20	13	-	-	-	14	20	(2) #12 CU & (1) #12 GND.	RANGE
EXISTING	EXISTING	20	15	-	-	-	16	20	(2) #12 CU & (1) #12 GND.	OVEN
EXISTING	EXISTING	20	17	-	-	-	18	20	(2) #12 CU & (1) #12 GND.	OVEN
EXISTING	EXISTING	20	19	-	-	-	20	20	(2) #12 CU & (1) #12 GND.	HOOD CONTROL UNIT
EXISTING	EXISTING	20	21	-	-	-	22	20	EXISTING	EXISTING
EXISTING	EXISTING	20	23	-	-	-	24	20	EXISTING	EXISTING
EXISTING	EXISTING	40	25	-	-	-	26	70	EXISTING	EXISTING
EXISTING	EXISTING	20	27	-	-	-	28	70	EXISTING	EXISTING
EXISTING	EXISTING	20	29	-	-	-	30	70	EXISTING	EXISTING
SQUARE D NA1B PANEL				-	-	-	-	-	- KVA TOTAL	

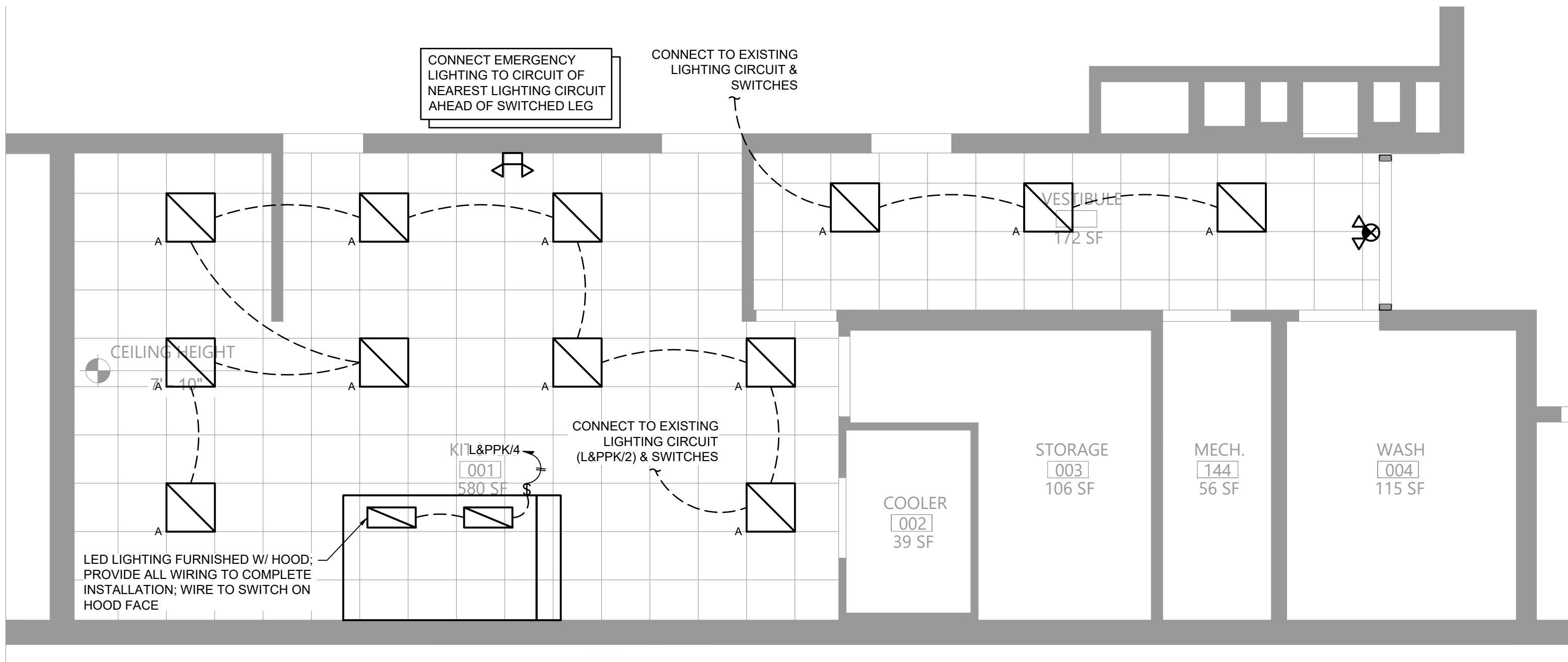
2 Existing Kitchen Panelboard L&PPK

Scale: None



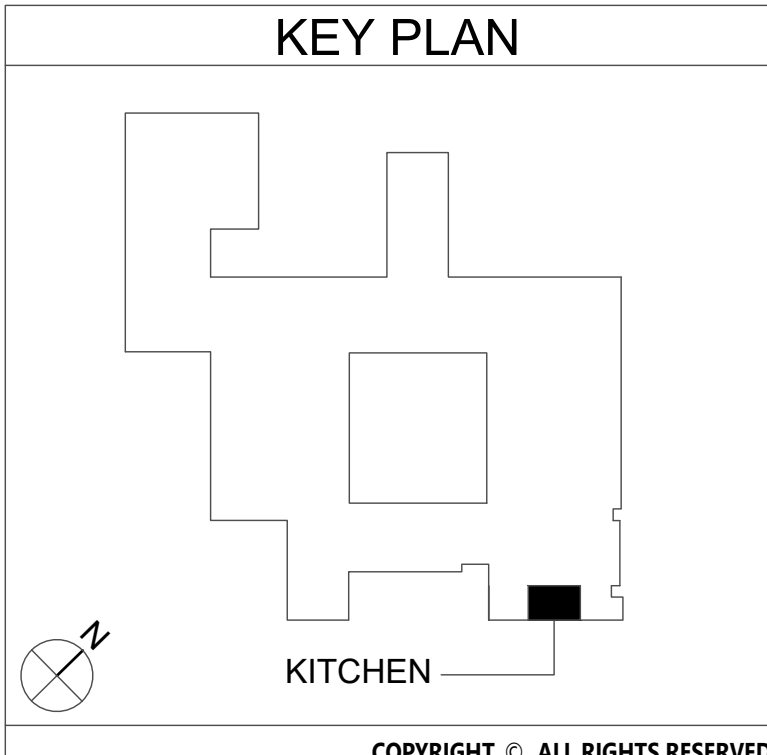
3 Roof Electrical Plan

Scale: 1/4" = 1'-0"



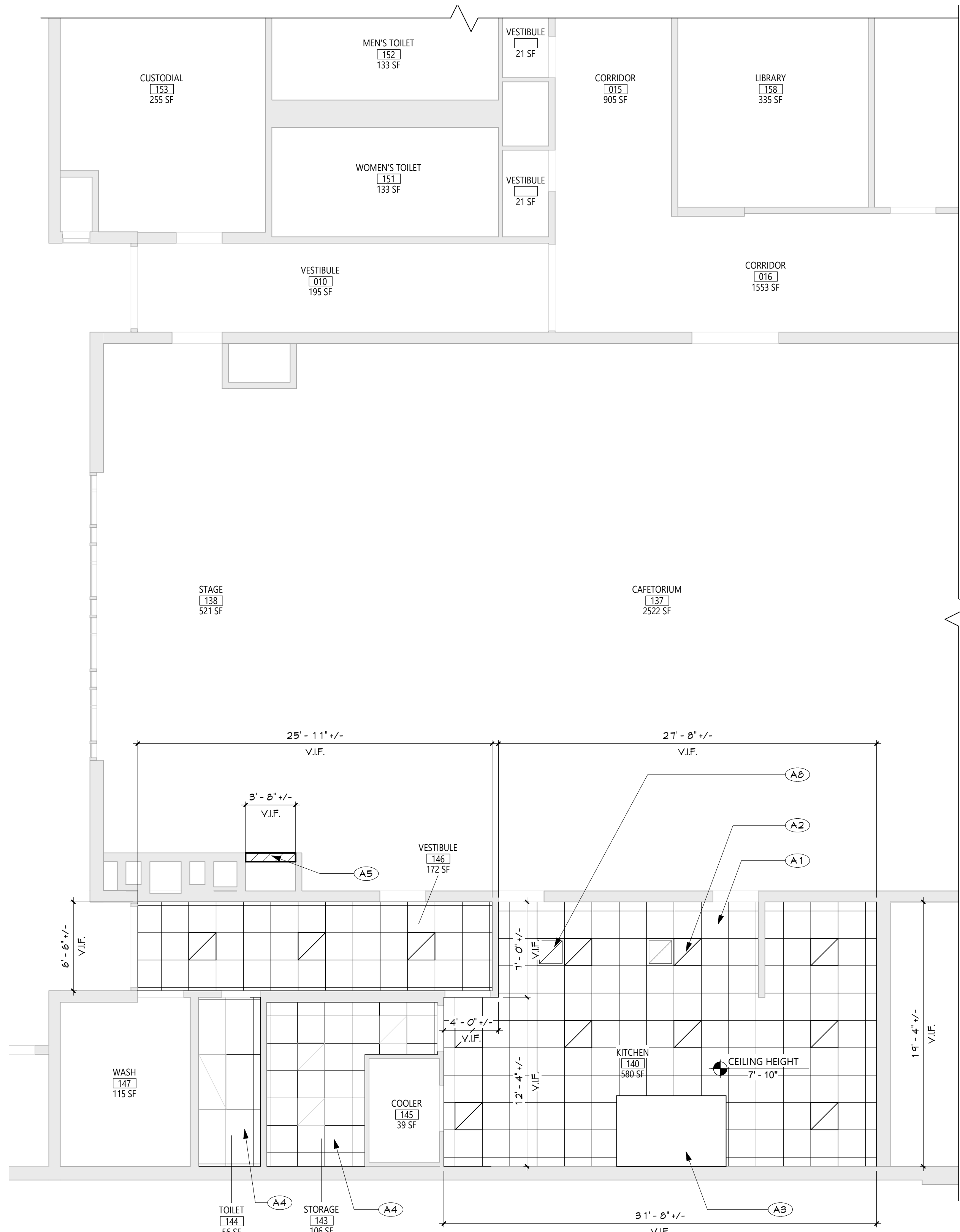
4 Lighting Plan

Scale: 1/4" = 1'-0"

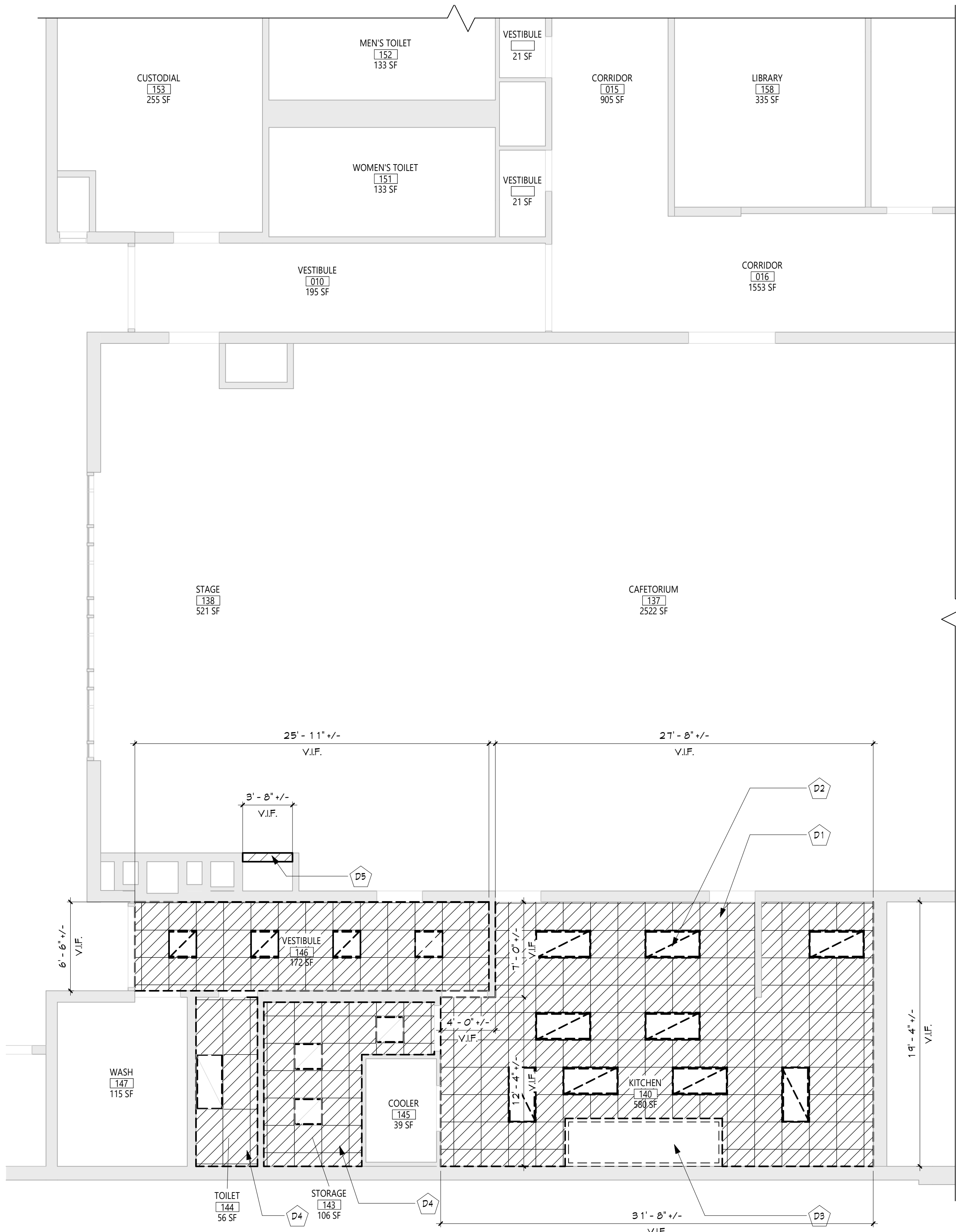


Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT; 120V W/ (1) NEMA 5-15P PLUGS, 3.4A
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT; 120V W/ (2) NEMA 5-15P PLUGS, 9.8A EACH
- KITCHEN HOOD: PROVIDE CIRCUITS FOR LIGHTING AND HOOD CONTROLS AS SHOWN; WIRE HOOD EXHAUST FAN POWER THRU HOOD CONTROLLER; SEE WIRING DIAGRAM ON SHEET EG001
- UTILITY CABINET W/ HOOD CONTROLLER AND FIRE SUPPRESSION SYSTEM; CONNECT TO EXISTING BUILDING FIRE ALARM SYSTEM; SEE FIRE SUPPRESSION SYSTEM SEQUENCE OF OPERATIONS ON SHEET EG001
- REMOTE CONTROL SWITCH IN ENCLOSURE TYPICAL OF ASCO 918 OR ACCEPTABLE EQUAL; 6 N/O AND 6 N/C CONTACTS; 120V CONTROL VOLTAGE; WIRE ALL CIRCUITS UNDER KITCHEN HOOD THRU CONTROL SWITCH; CONNECT TO HOOD CONTROLLER FOR CONTROL CIRCUIT & SHUNT TRIP
- PROVIDE 3 POLE 20A CIRCUIT TO NEW EXHAUST FAN; CONNECT TO EXISTING PANEL (PPMB-2 IN FAN ROOM); RUN POWER THRU HOOD AND THEN UP INSIDE 2ND FLOOR DUCT CHASE TO THE FAN ON THE ROOF; SEE WIRING DIAGRAM ON SHEET EG001
- EXHAUST FAN MANUAL SWITCH MOUNTED ON FACE OF HOOD; WIRE EXHAUST FAN POWER THRU CONTROLLER IN HOOD UTILITY CABINET



3 KITCHEN - NEW WORK REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



2 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"

GENERAL NOTES

- REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
- REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES

- INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
- INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
- FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND

- EXISTING GNB/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- EXISTING GNB/PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
- CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND

- EXISTING GNB/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- NEW GNB/PLASTER CEILING
- NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED HEAT DETECTOR
- CEILING MOUNTED PA SPEAKER
- CEILING MOUNTED SECURITY J-BOX
- CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

DEMOLITION KEY NOTES

#	DESCRIPTION
D1	REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH ABATEMENT AND MECH DWGS.
D2	EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.
D3	EXIST. KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.
D4	TEMPORARILY REMOVE AND STORE EXIST. SUSPENDED CLG TO ACCOMMODATE MECH DEMO WORK. COORD. WITH MECH DWGS
D5	REMOVE SECTION OF EXIST. WALL TO ACCOMMODATE MECH DEMO WORK. COORD. WITH MECH DWGS AND MC.

NEW WORK KEY NOTES

#	DESCRIPTION
A1	PROVIDE NEW SUSPENDED CLG. COORD. WITH NEW MECH WORK. SEE SPECS
A2	NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.
A3	NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.
A4	REINSTALL EXIST. SUSPENDED CLG. COORD. WITH NEW MECH WORK.
A5	INFILL AND PATCH WITH SIMILAR MATERIAL TO MATCH EXIST. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS
A8	NEW CLG TRANSFER GRILLE. SEE MECH DWG FOR DETAILS

1	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

KEY PLAN

ENLARGED KITCHEN PLANS

Sheet No. **GES A101**

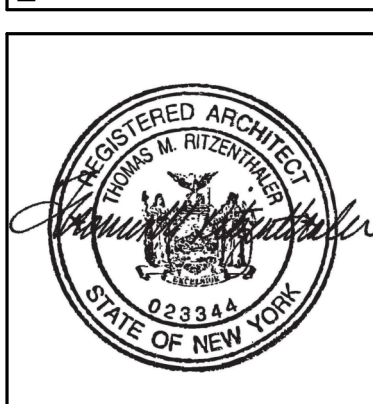
CONSTRUCTION DOCUMENTS

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Consultant

**EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
GRANDVIEW ELEMENTARY SCHOOL**

Project Title



Drawn By: **CSA**
Checked By: **CSA**
Proj. #: **50-04-02-86-7-999-005**
CSArch Proj. #: **209-2002.01**
Issued for Bid: **05/13/22**

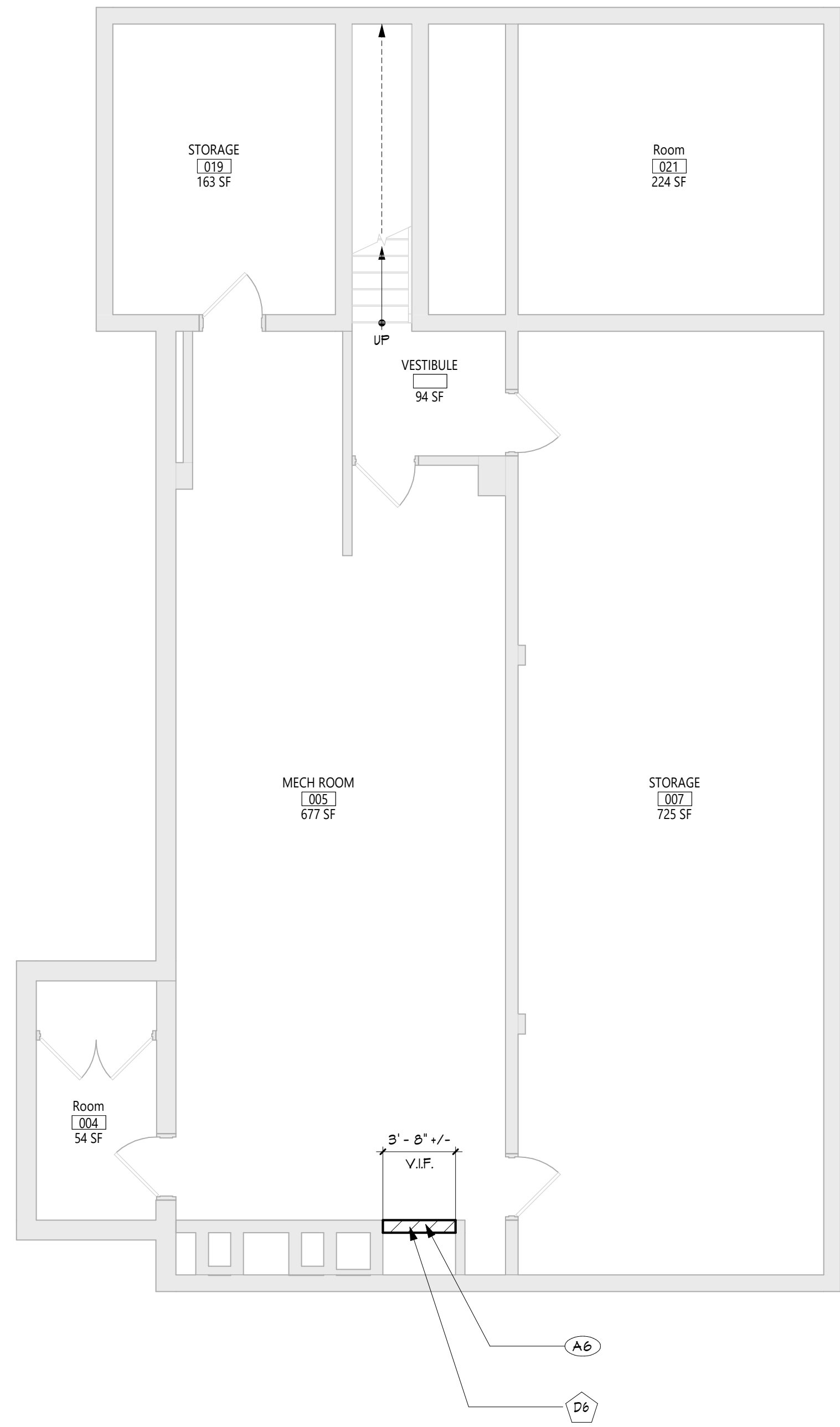
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ENLARGED KITCHEN PLANS

Sheet No.
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CONSTRUCTION DOCUMENTS

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2 PARTIAL ROOF PLAN



1 PARTIAL BASEMENT PLAN

A102 3/16" = 1'-0"






GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.






CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WALLS. THE ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.














CEILING DEMOLITION LEGEND

- | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | EXISTING GAB/PLASTER CEILING TO REMAIN |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN |
|  | EXISTING GAB/PLASTER CEILING TO BE REMOVED |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED |
|  | CEILING HEIGHT ABOVE FINISHED FLOOR |



CEILING NEW WORK LEGEND

- | | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
|  | EXISTING GNB/PLASTER CEILING TO REMAIN |
|  | EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN |
|  | NEW GNB/PLASTER CEILING |
|  | NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM |
|  | CEILING HEIGHT ABOVE FINISHED FLOOR |

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL
DRAWINGS FOR ADDITIONAL INFORMATION.

- | | |
|-------------------------------------------------------------------------------------|----------------------------------|
|  | 2'x4' LIGHT FIXTURE |
|  | 2'x2' LIGHT FIXTURE |
|  | 1'x LIGHT FIXTURE |
|  | PENDANT LIGHT FIXTURE |
|  | RECESSED DOWN LIGHT |
|  | CEILING MOUNTED EXIT SIGN |
|  | CEILING MOUNTED OCCUPANCY SENSOR |
|  | CEILING MOUNTED SMOKE DETECTOR |
|  | CEILING MOUNTED HEAT DETECTOR |
|  | CEILING MOUNTED PA SPEAKER |
|  | CEILING MOUNTED SECURITY J-BOX |
|  | CEILING MOUNTED MOTION SENSOR |
|  | CEILING MOUNTED DATA J-BOX |

MECHANICAL EQUIPMENT, REFER TO MECHANICAL
DRAWINGS FOR ADDITIONAL INFORMATION.

-  HVAC SUPPLY GRILLE
-  HVAC RETURN GRILLE

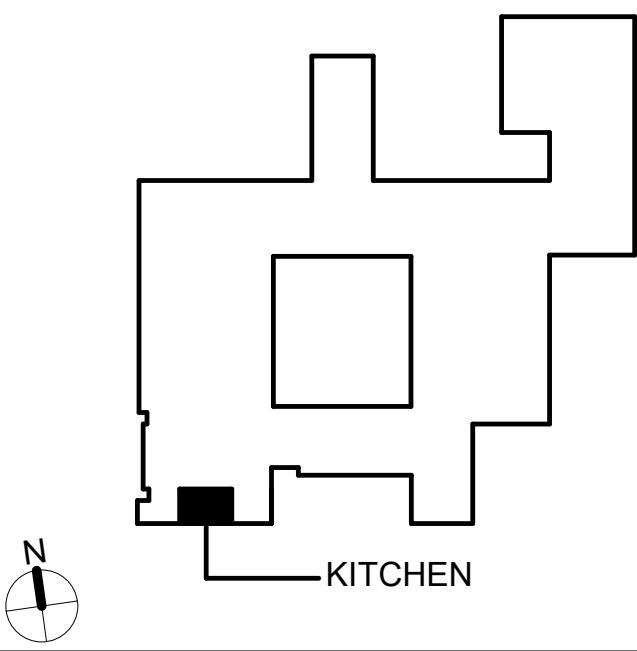
DEMOLITION KEY NOTES

- | ITEM | DESCRIPTION |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| D6 | EXIST. EXHAUST FAN ON ROOF TO BE REMOVED.
EXISTING ROOF OPENING TO REMAIN. SEE MECH DWGS FOR DETAILS. |
| D7 | REMOVE SECTION OF EXIST. ROOF ASSEMBLY, INCLUDING ROOF MEMBRANE, SUBSTRATE, & DECKING TO ACCOMMODATE NEW WORK. GC TO COORDINATE WITH MC FOR LOCATION |

NEW WORK KEY NOTES

- | # | DESCRIPTION |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A6 | INFILL AND PATCH EXIST. OPENING WITH SIMILAR MATERIAL TO MATCH EXIST. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS |
| A7 | NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE WITH MC FOR LOCATION AND SIZE. |

KEY PLAN



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Consultant

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
GRANDVIEW ELEMENTARY SCHOOL

Project Title



1		
	DATE	DESCRIPTION

Drawn By:	CS
Checked By:	CS
Proj. #:	50-04-02-06-7-999-00
CSArch Proj. #:	209-2003.0
Issued for Bid:	05/13/2

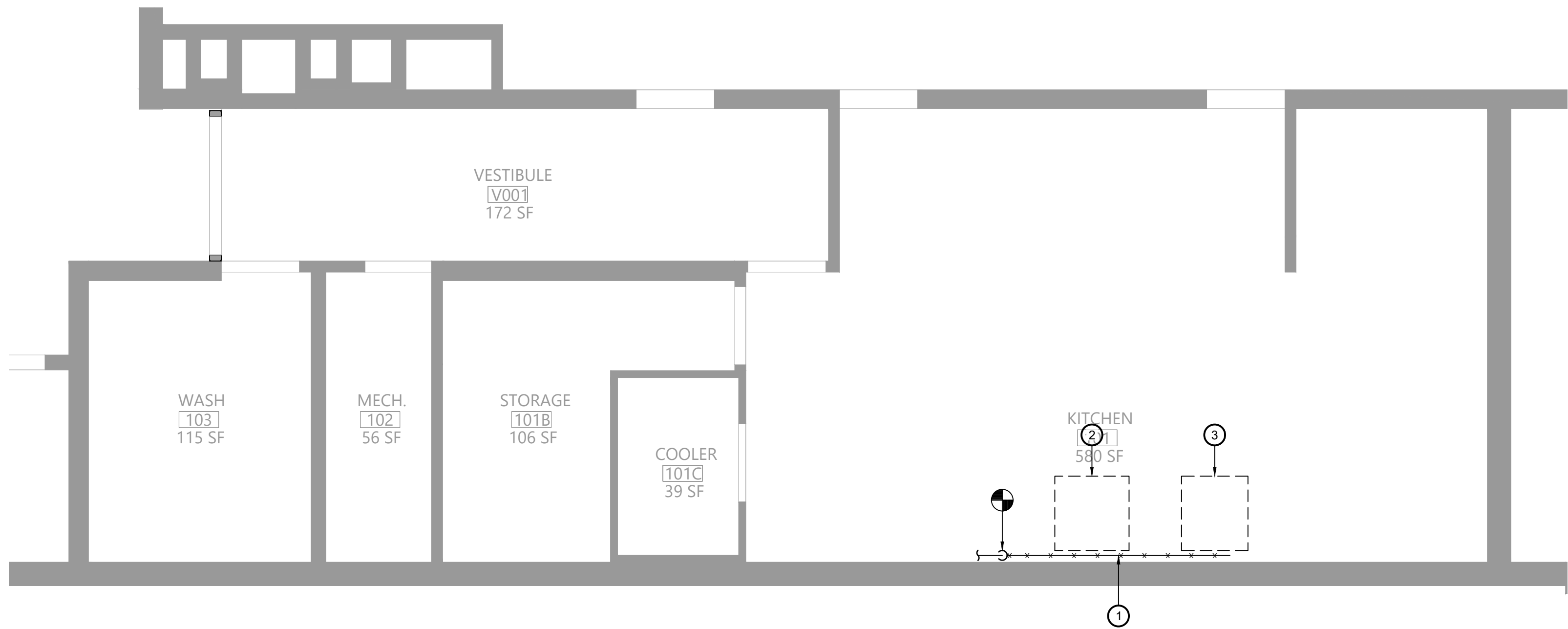
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PARTIAL
BASEMENT
AND ROOF
PLANS

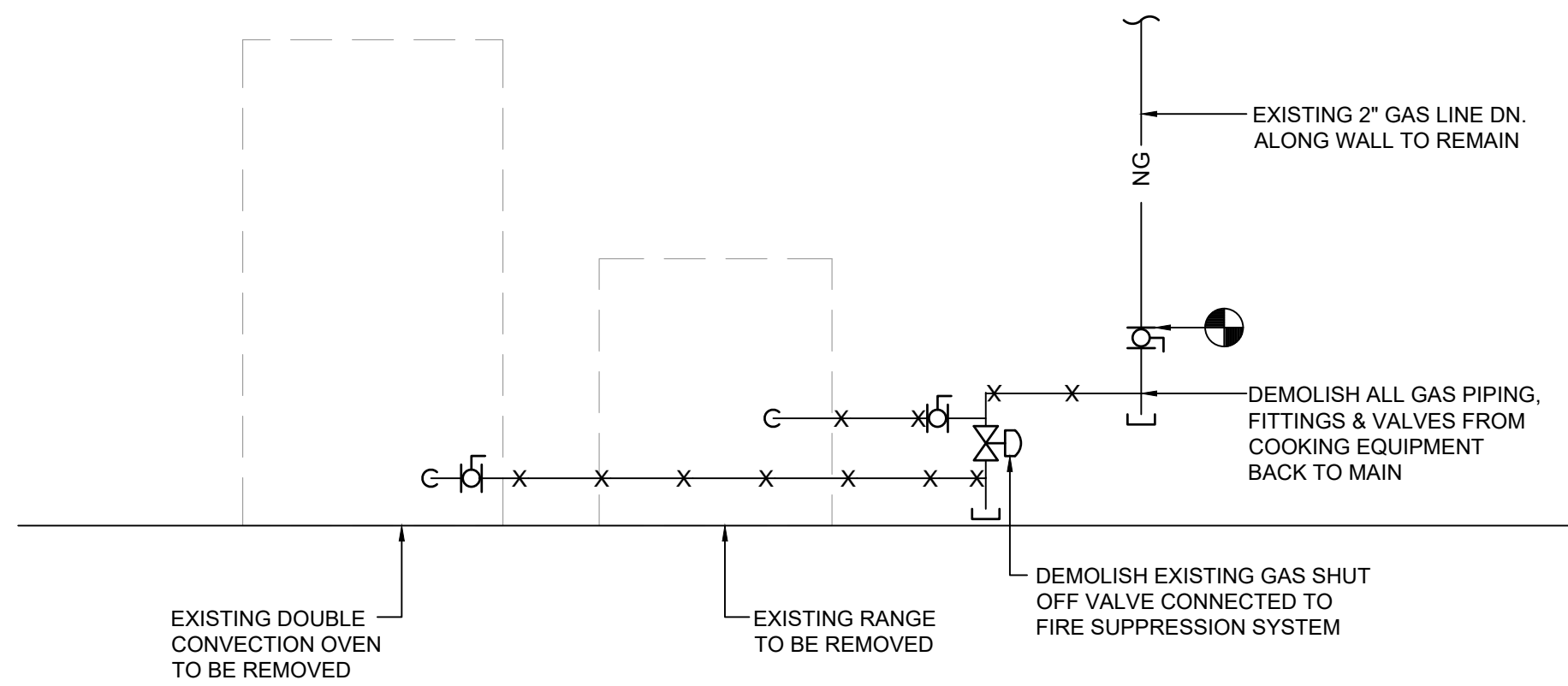
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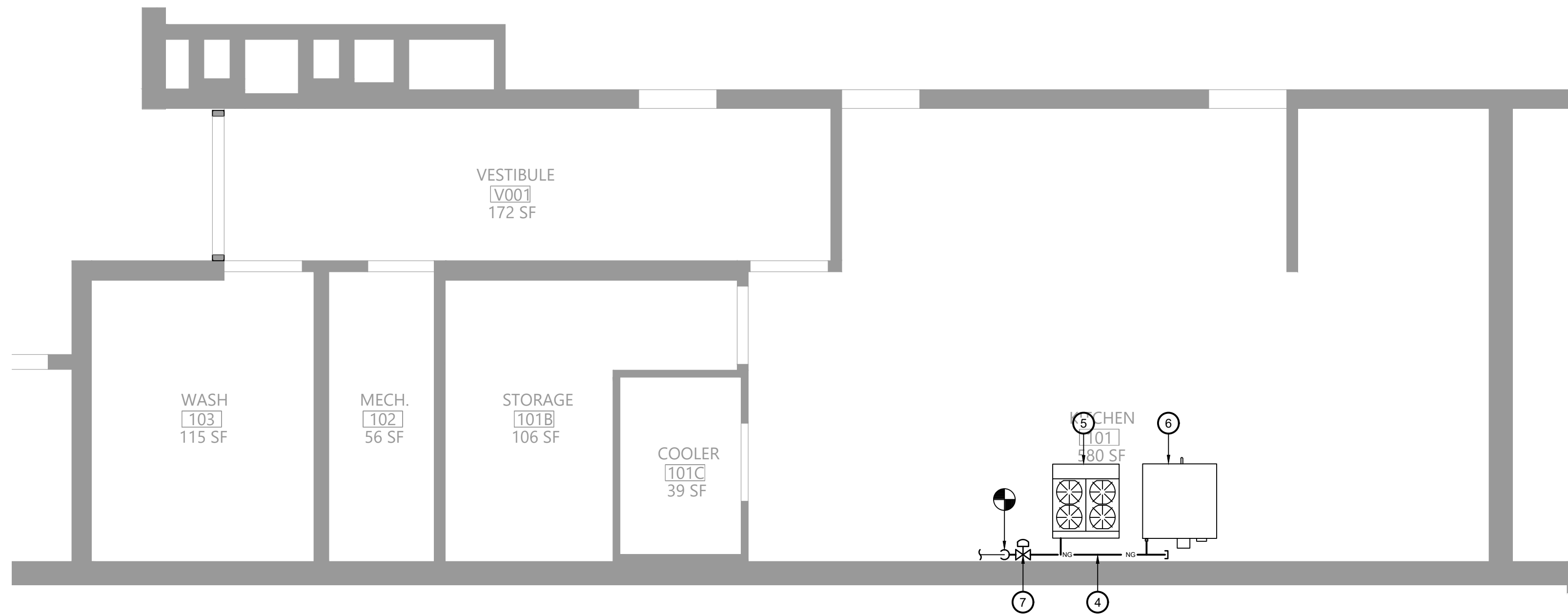
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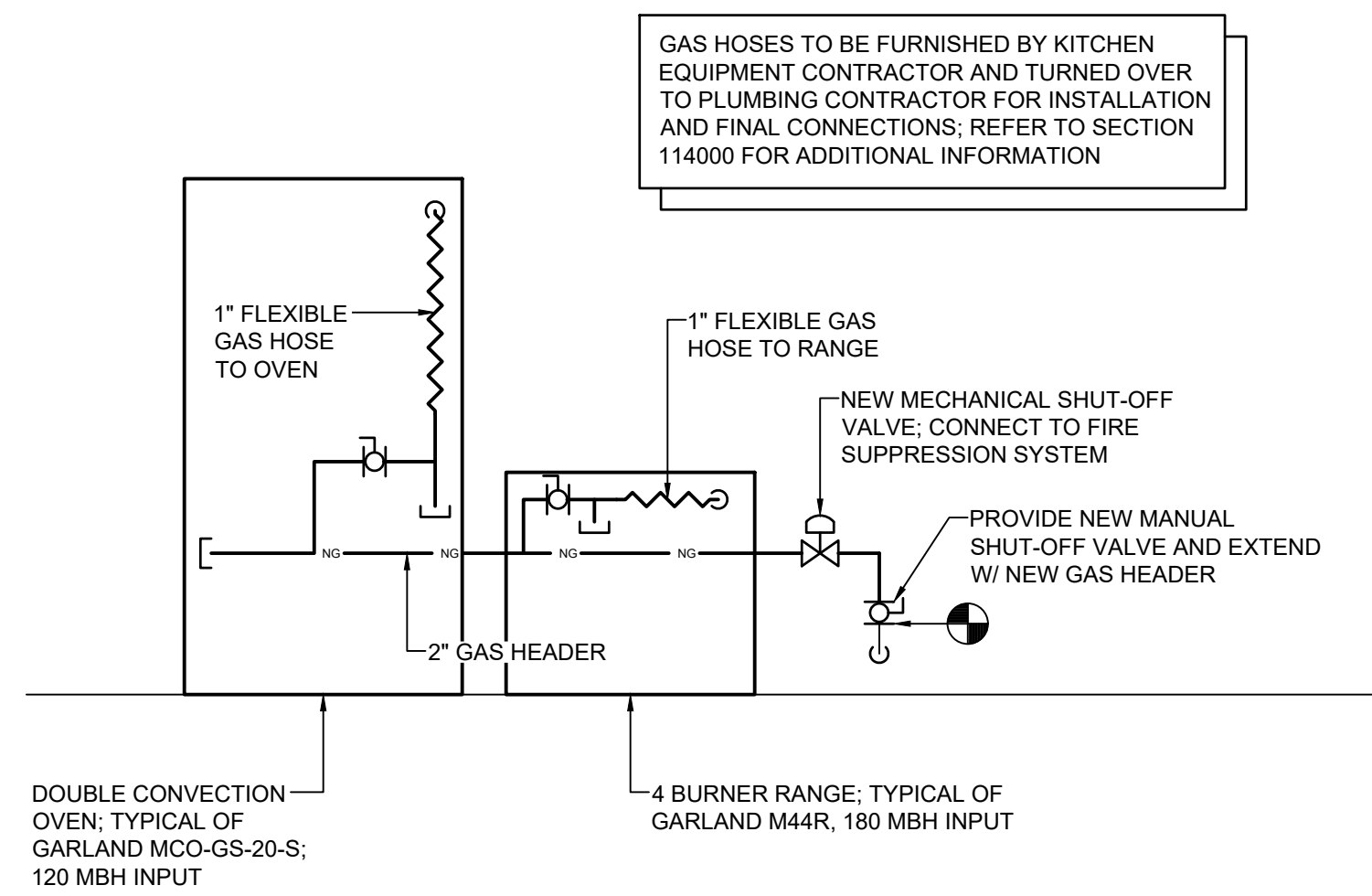
1 Plumbing Demolition Plan
P111 Scale: 1/4" = 1'-0"



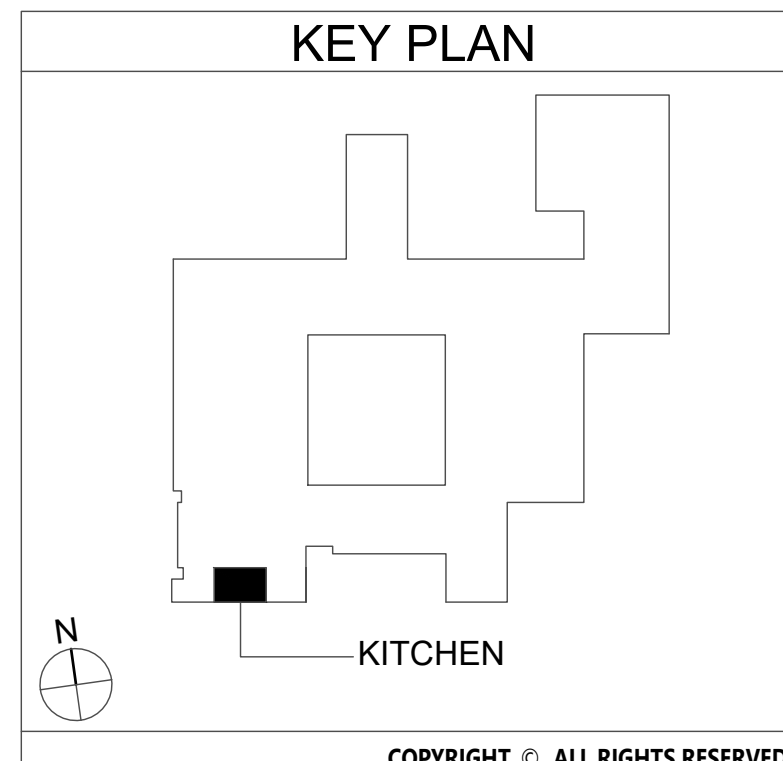
2 Gas Piping Demolition Diagram
P111 N.T.S.



3 Plumbing Plan
P111 Scale: 1/4" = 1'-0"

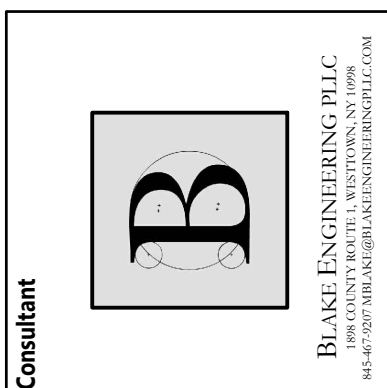


4 Gas Piping Diagram
P111 N.T.S.



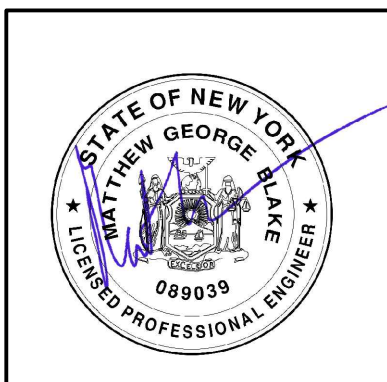
- Key Notes:
- EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
 - EXISTING RANGE TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - EXISTING CONVECTION OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - PROVIDE 2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS
 - 4 BURNER RANGE TYPICAL OF GARLAND M44R; 180 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM

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EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
GRANDVIEW ELEMENTARY SCHOOL

Project Title



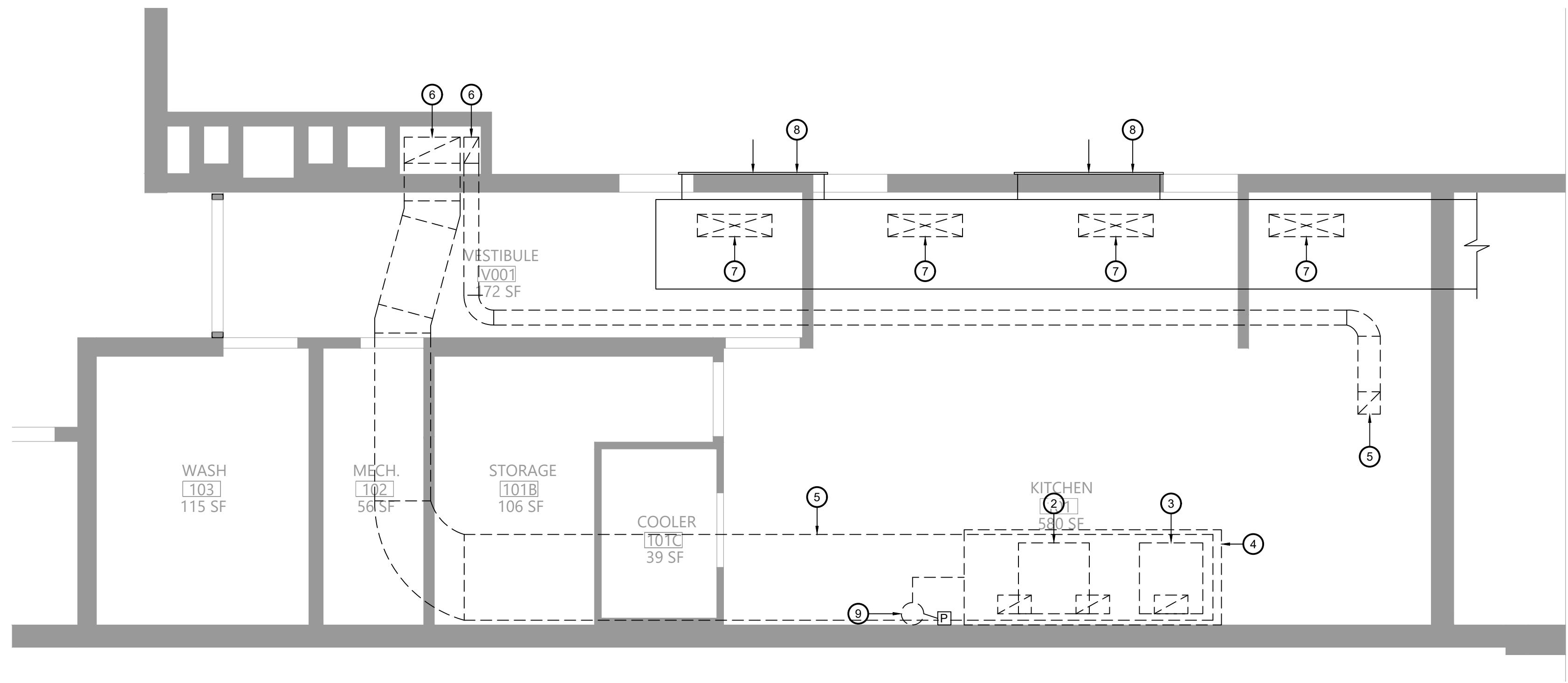
DATE	DESCRIPTION

Drawn By: BJK
Checked By: MGB
Proj. #: 50-04-02-067-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

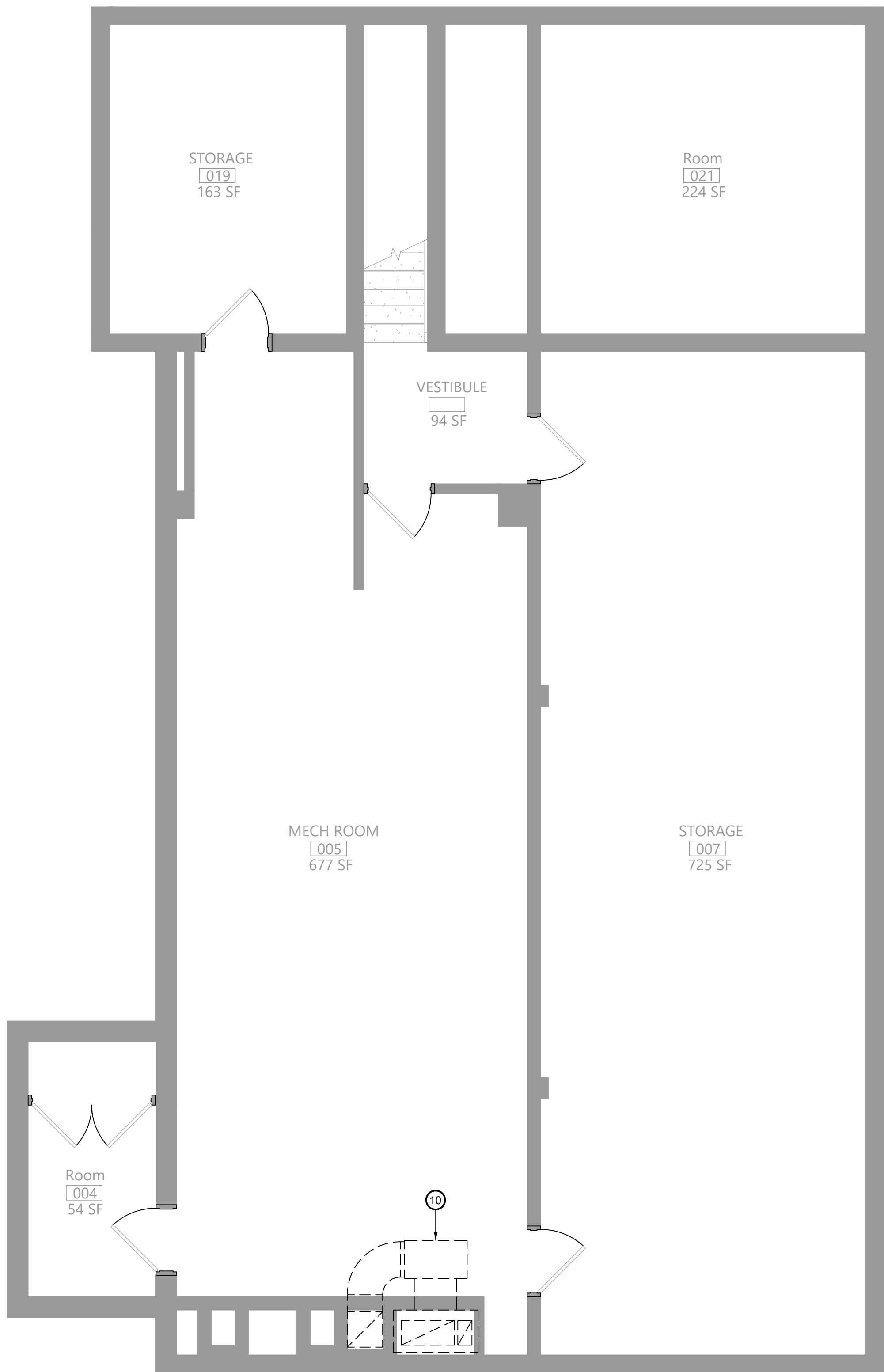
Sheet Title
PLUMBING
PLANS

Sheet No.
GES
P111

CONSTRUCTION DOCUMENTS



1 First Floor Mechanical Demolition Plan
Scale: 1/4" = 1'-0"



2 Basement Mechanical Demolition Plan
Scale: 1/4" = 1'-0"

Key Notes:

- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
- EXISTING RANGE TO BE REMOVED
- EXISTING CONVECTION OVEN TO BE REMOVED
- EXISTING KITCHEN HOOD TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
- EXISTING EXHAUST DUCTWORK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
- EXISTING EXHAUST DUCTWORK DN. IN CHASE TO BASEMENT MECHANICAL ROOM, ABANDON DUCT RISER IN CHASE AND SEAL THE TOP AND BOTTOM OPENINGS WHERE DUCTWORK IS DISCONNECTED AND REMOVED
- EXISTING OPENING IN TRANSFER DUCT: PATCH OPENING WITH SHEET METAL AND SEAL AIR TIGHT: SEE M111 FOR ADDITIONAL MODIFICATIONS TO TRANSFER AIR DUCT
- EXISTING MAKEUP AIR GRILLE TO REMAIN; TRANSFERS AIR FROM CAFETERIA TO KITCHEN
- EXISTING FIRE SUPPRESSION SYSTEM TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF: REMOVE ENTIRE SYSTEM INCLUDING TANK, CONTROL HEAD, PIPING, CONDUIT, CABLING, PULL STATION, NOZZLES
- EXISTING EXHAUST FAN IN BASEMENT TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, CONTROLS, ETC.

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
GRANDVIEW ELEMENTARY SCHOOL

Project Title



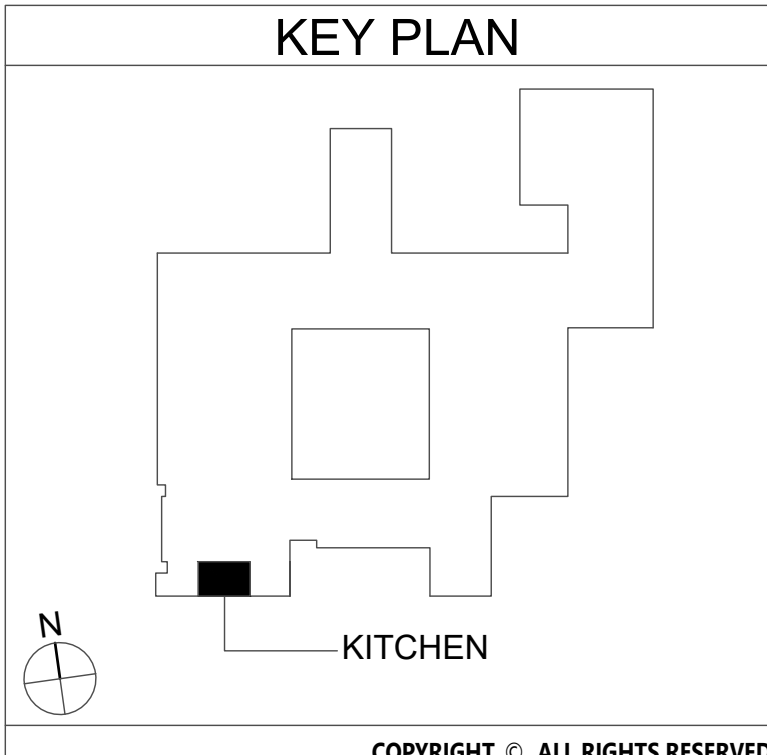
DATE	DESCRIPTION

Drawn By: BJK
Checked By: MGB
Proj. #: 50-94-02-067-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

Sheet Title
MECHANICAL
DEMOLITION
PLAN

Sheet No.
GES
M101

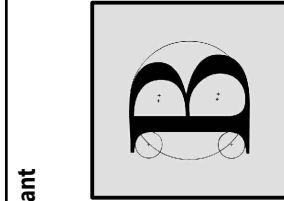
CONSTRUCTION DOCUMENTS



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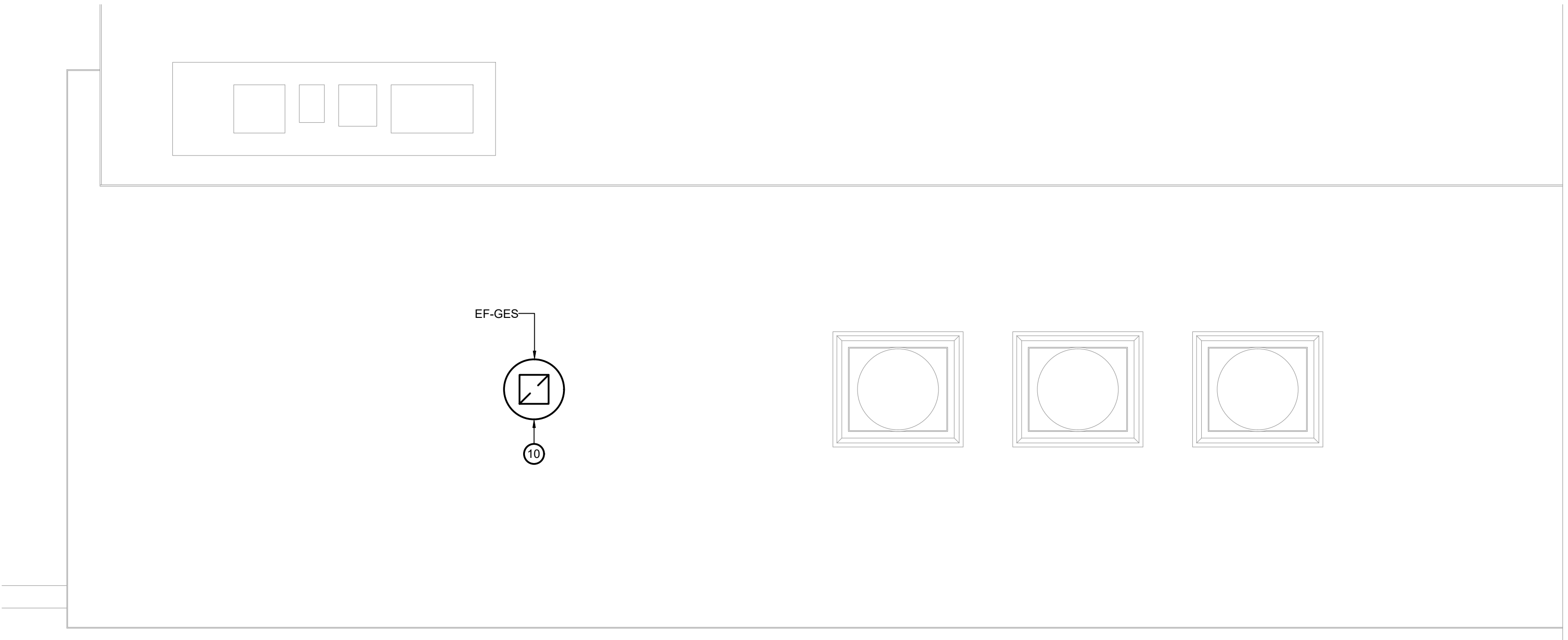
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Consultant

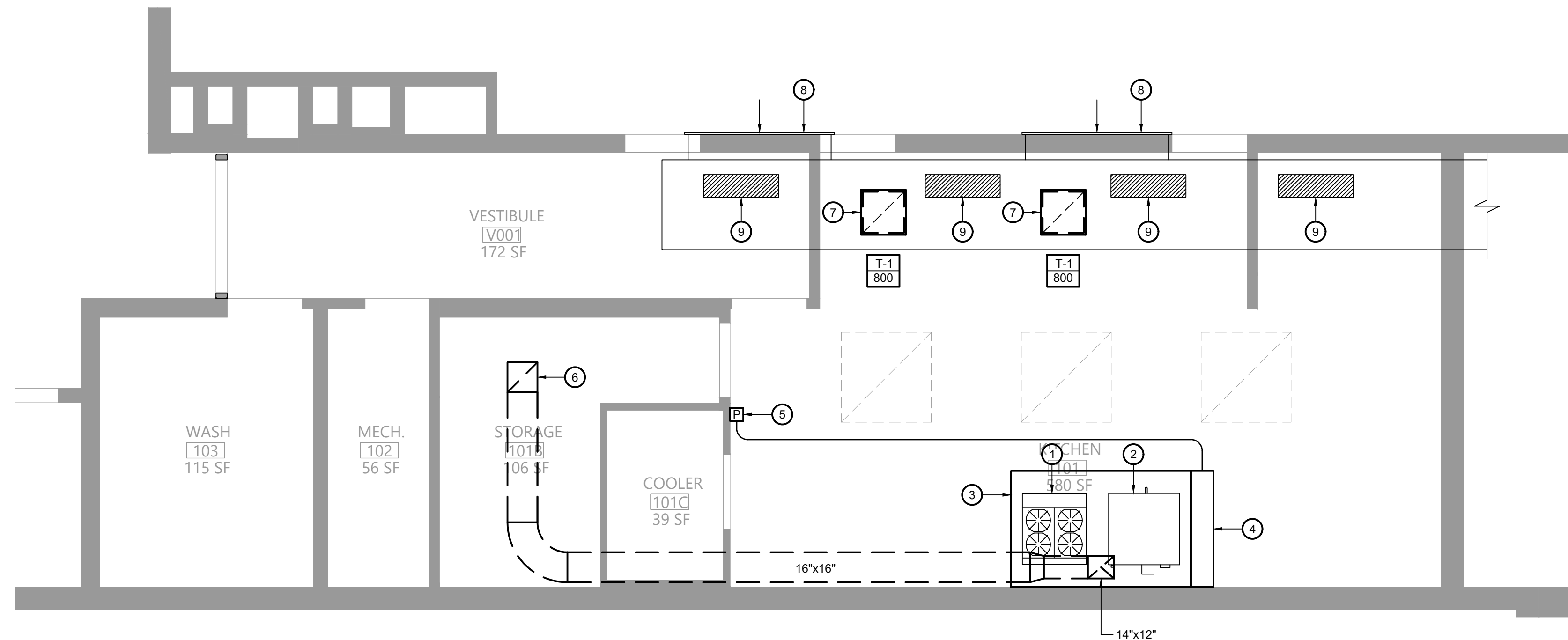


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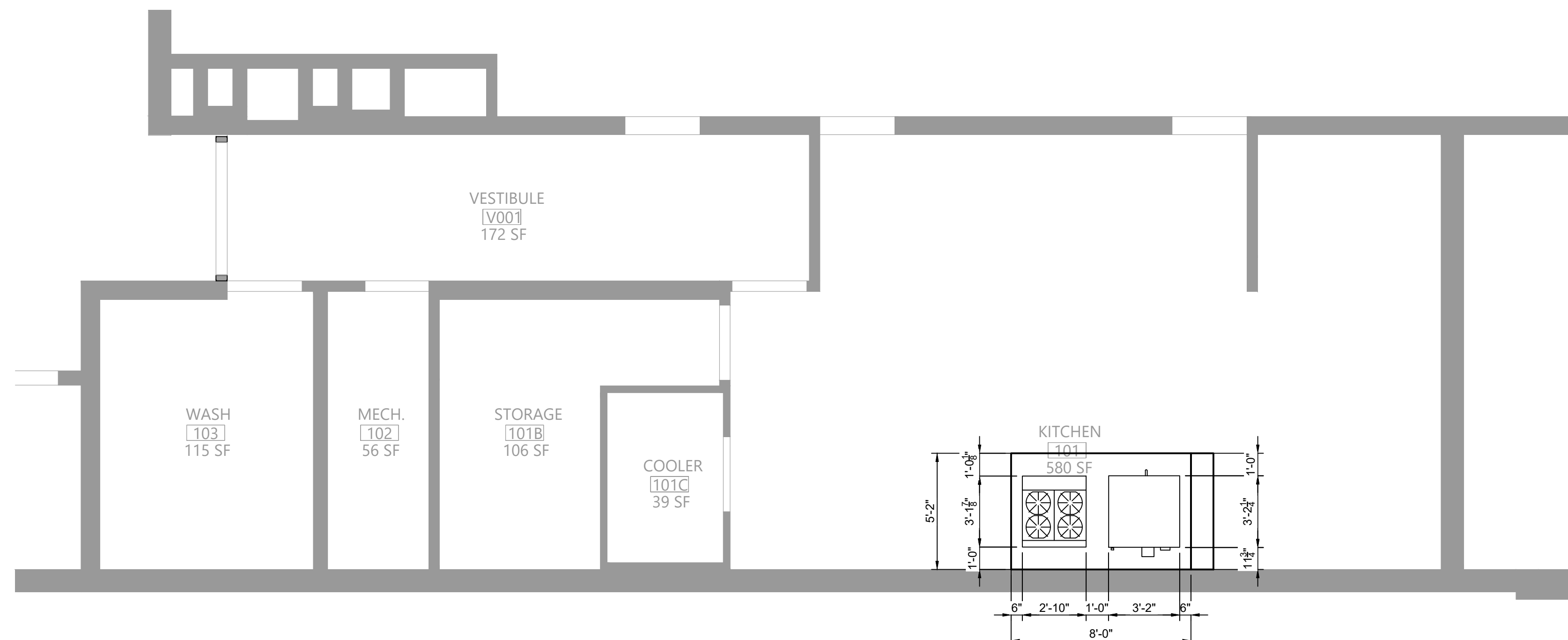
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1 Roof Mechanical Plan
M111 Scale: 1/4" = 1'-0"



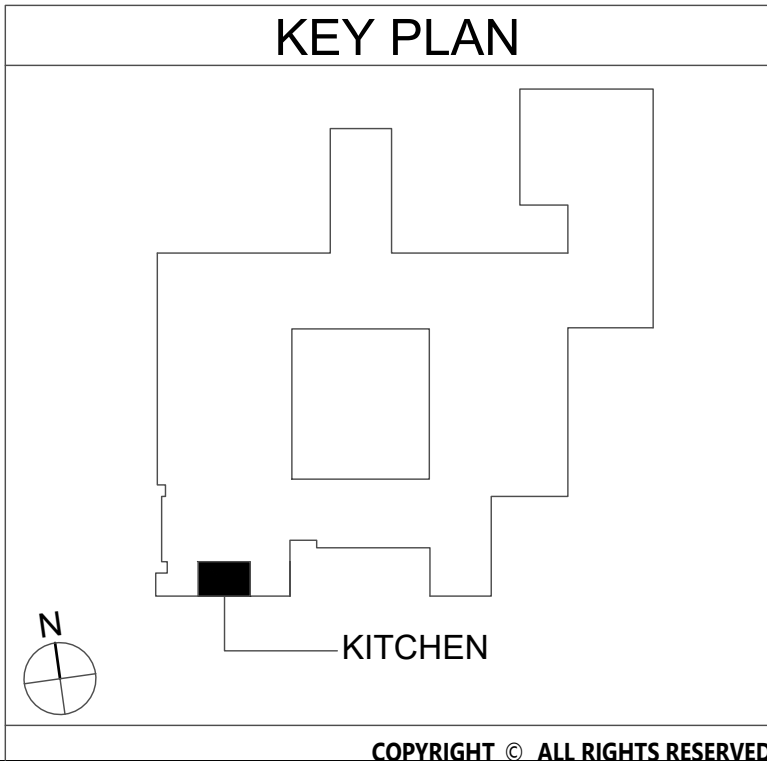
2 First Floor Mechanical Plan
M111 Scale: 1/4" = 1'-0"

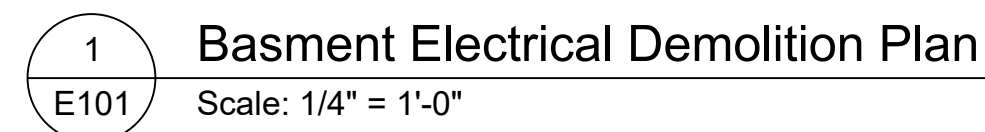


3 Kitchen Hood Dimensions
M111 Scale: 1/4" = 1'-0"

Key Notes:

- 1 NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT;
- 2 NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT;
- 3 PROVIDE 6'-0" LONG x 5'-2" DEEP x 18" HIGH 304 SS WALL MOUNTED CANOPY STYLE TYPE I KITCHEN HOOD W/ HOOD MOUNTED UTILITY CABINET; MOUNT HOOD AT 84" ABOVE FINISHED FLOOR. SEE KITCHEN HOOD NOTES ON MG001
- 4 12" DEEP UTILITY CABINET W/ COMPLETE R-102 FIRE SUPPRESSION SYSTEM INCLUDING ALL NOZZLES, FUSIBLE LINKS, PIPING, CABLING, TANK(S), PULL STATION
- 5 PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM; INSTALL ON WALL AND CONNECT TO SYSTEM AT HOOD UTILITY CABINET
- 6 16"x16" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-FES
- 7 PROVIDE NEW TRANSFER GRILLE IN CEILING; CONNECT TO EXISTING TRANSFER DUCT W/ 22"x22" DUCT CONNECTION
- 8 EXISTING MAKEUP AIR GRILLE TO REMAIN; TRANSFERS AIR FROM CAFETERIA TO KITCHEN
- 9 PATCHED OPENING IN DUCTWORK
- 10 16"x16" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-FES; TRANSITION DUCT AS NECESSARY AT FAN CONNECTION; INSTALL FAN ON 24" VENTED CURB






- 1 DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING HEAT DETECTOR
- 2 EXISTING RANGE TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
- 3 EXISTING CONVECTION OVEN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
- 4 EXISTING KITCHEN HOOD TO BE REMOVED; DISCONNECT & REMOVE POWER FOR LIGHTING BACK TO SOURCE
- 5 EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM TO BE REMOVED; DISCONNECT & REMOVE FIRE ALARM CONNECTION; MAINTAIN FOR RECONNECTION TO REPLACEMENT SUPPRESSION SYSTEM
- 6 EXISTING EXHAUST FAN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE (PANEL PFM-B-2 IN FAN ROOM); MAINTAIN CIRCUIT FOR RECONNECTION TO REPLACEMENT FAN
- 7 EXISTING SPEAKER TO BE DISCONNECTED, REMOVED & STORED FOR REINSTALLATION; MAINTAIN EXISTING WIRING FOR RECONNECTION TO SPEAKER IN NEW CEILING

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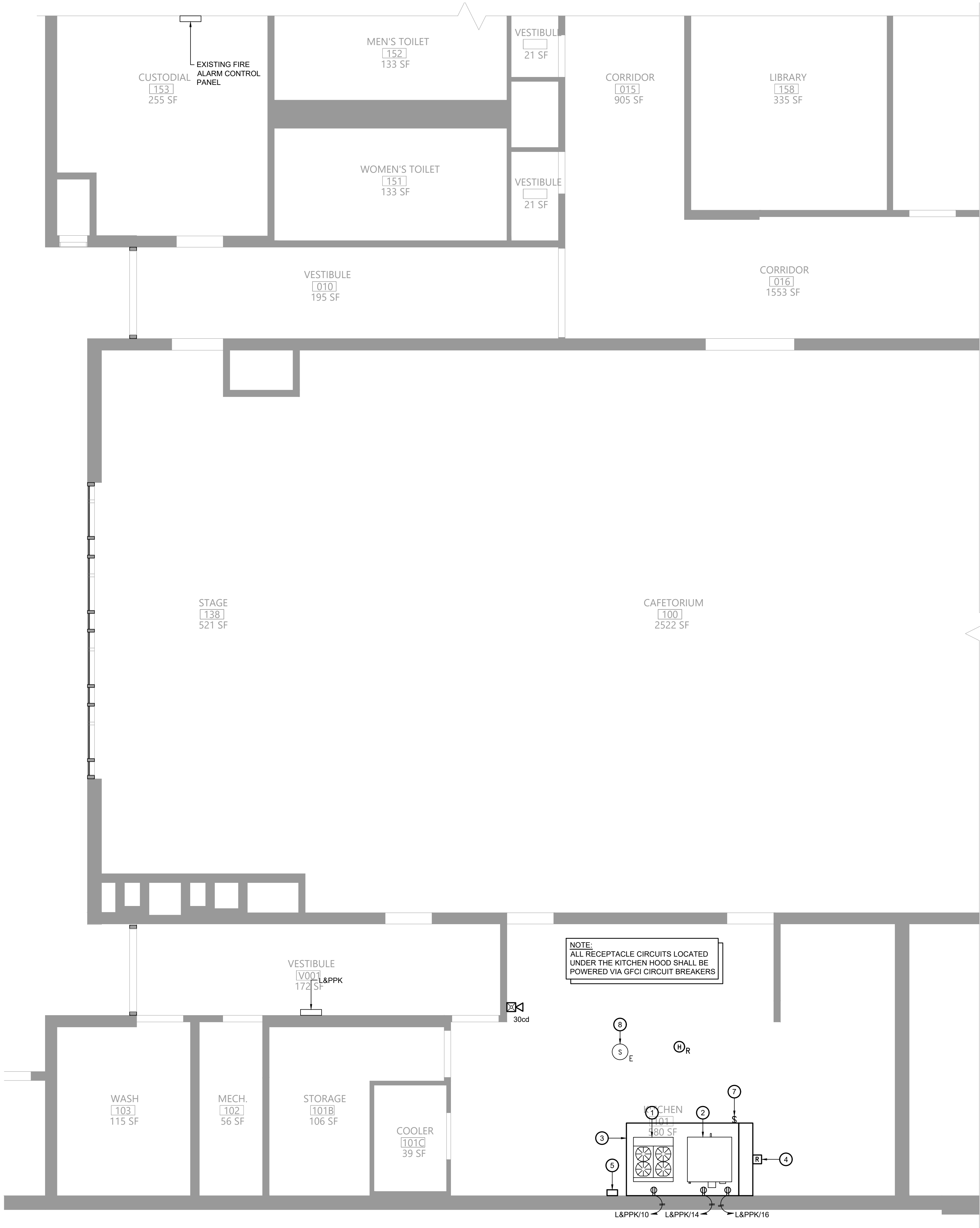
EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
GRANDVIEW ELEMENTARY SCHOOL

	DATE	DESCRIPTION
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Checked By:		MGB
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Issued for Bid:	05/13/22	

Sheet Title

ELECTRICAL
DEMOLITION
PLANS

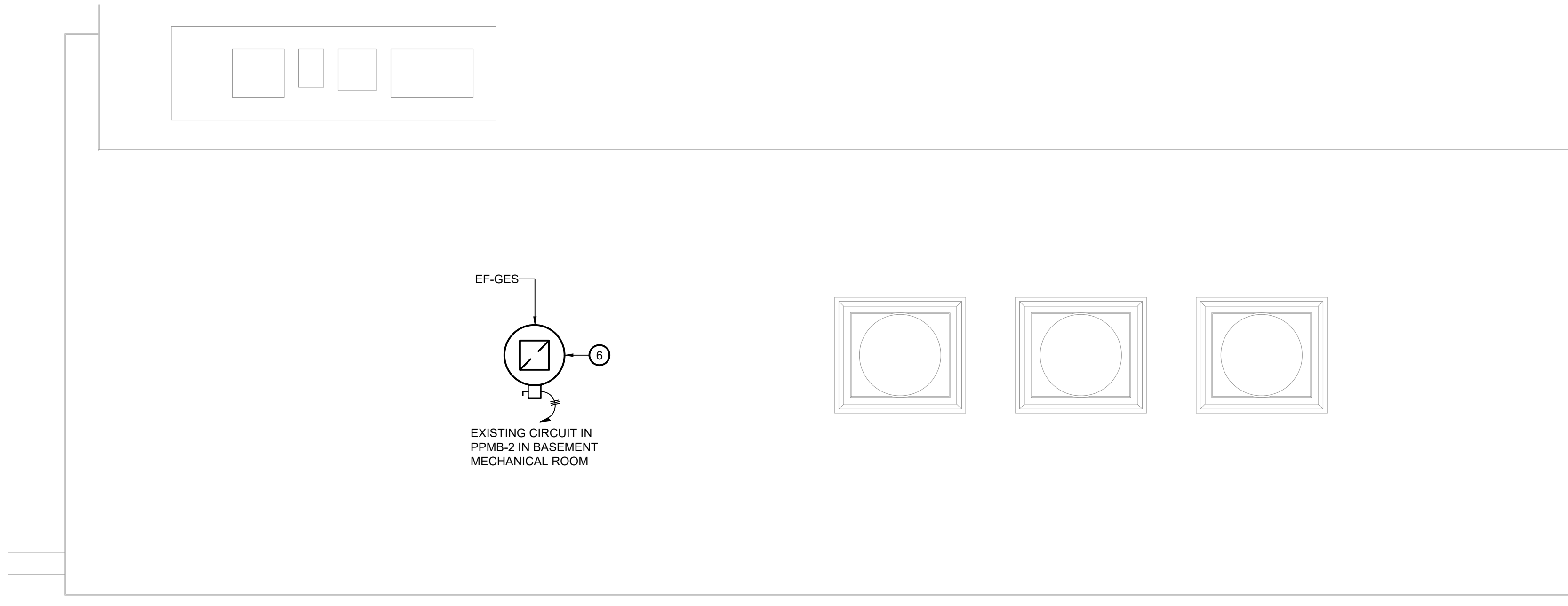
Sheet No.	GES E101
CONSTRUCTION DOCUMENTS	



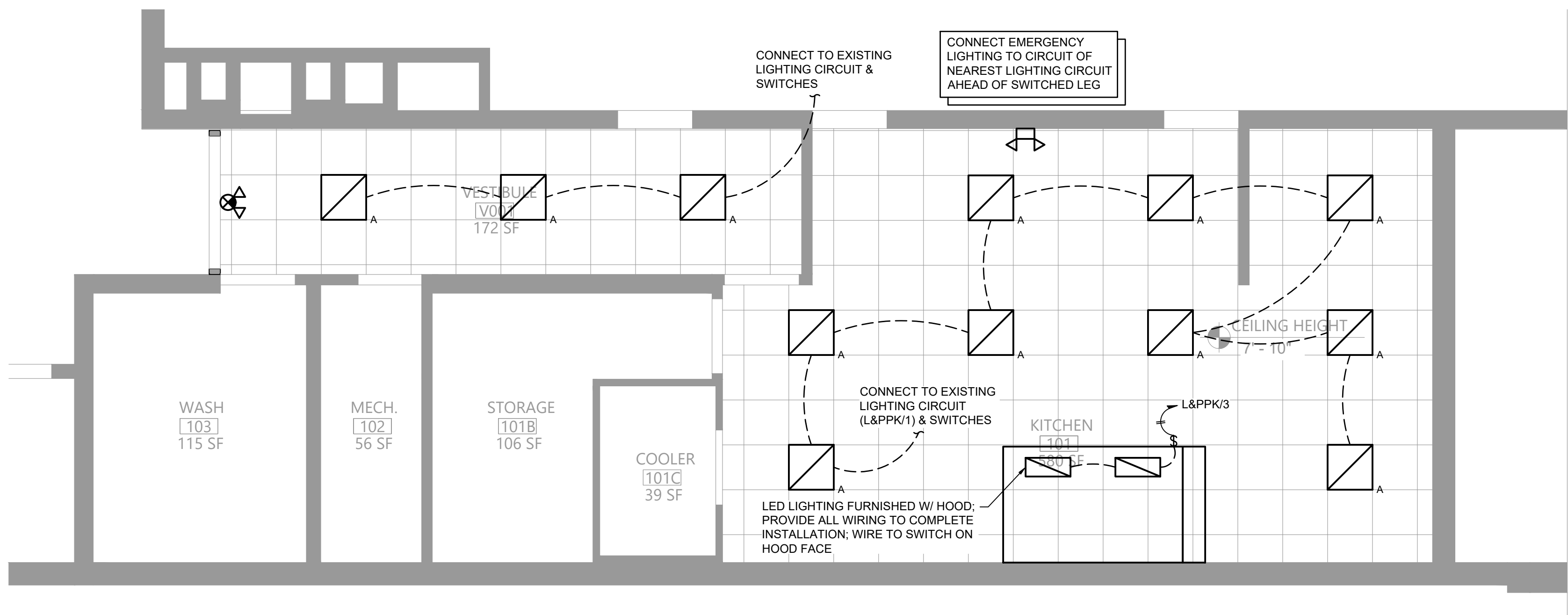
1 First Floor Electrical Plan
E111 Scale: 1/4" = 1'-0"

120/208V 3Ø 4W+G				BUS RATING: 225A						MLO	
CONNECTED LOAD	CONDUCTORS	DCT. BREAKER AMPS	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	DCT. BREAKER AMPS	CONDUCTORS	CONNECTED LOAD	
EXISTING	EXISTING	20	1	/	/	/	2	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	3	/	/	/	4	20	EXISTING	EXISTING	
KITCHEN LIGHTING	(2) #12 CU & (1) #12 GND.	20	5	/	/	/	6	20	EXISTING	EXISTING	
HOOD LIGHTING	(2) #12 CU & (1) #12 GND.	20	7	/	/	/	8	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	9	/	/	/	10	20	EXISTING	EXISTING	
HOOD CONTROL UNIT	(2) #12 CU & (1) #12 GND.	20	11	/	/	/	12	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	13	/	/	/	14	20	(2) #12 CU & (1) #12 GND.	OVEN	
EXISTING	EXISTING	20	15	/	/	/	16	20	(2) #12 CU & (1) #12 GND.	OVEN	
EXISTING	EXISTING	20	17	/	/	/	18	20	EXISTING	EXISTING	
EXISTING	EXISTING	30	21	/	/	/	22	20	EXISTING	EXISTING	
		23	23	/	/	/	24				
		25	25	/	/	/	26				
EXISTING	EXISTING	40	27	/	/	/	28	20	EXISTING	EXISTING	
		29	29	/	/	/	30	20	(2) #12 CU & (1) #12 GND.	RANGE	
SQUARE D NA1B PANEL				-	-	-	-	-	- kVA TOTAL		

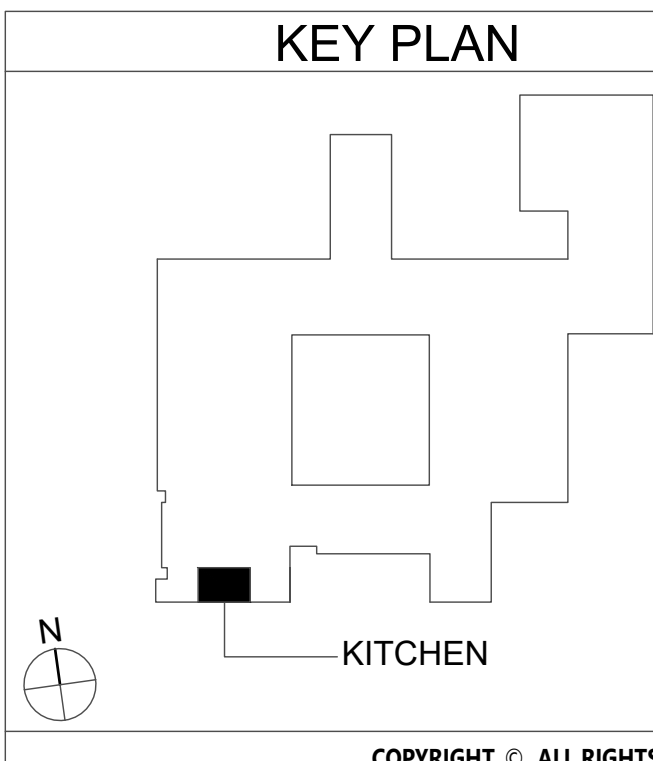
2 Existing Kitchen Panelboard L&PPK
E111 Scale: None



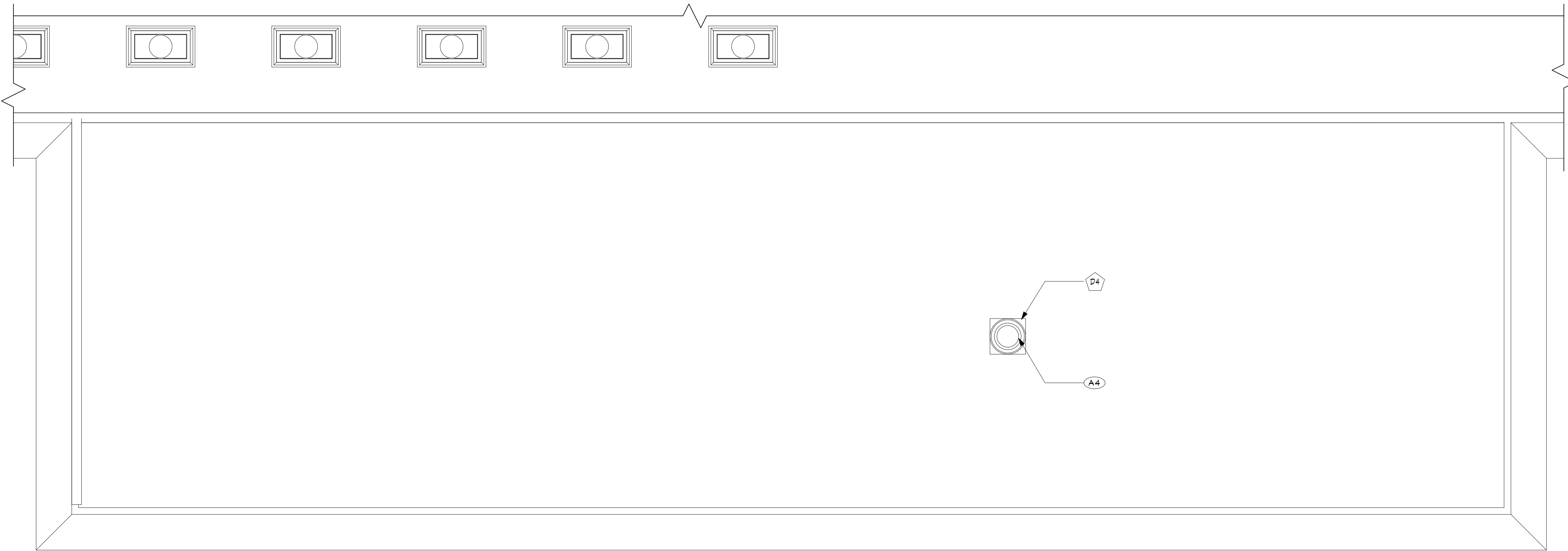
3 Roof Electrical Plan
E111 Scale: 1/4" = 1'-0"



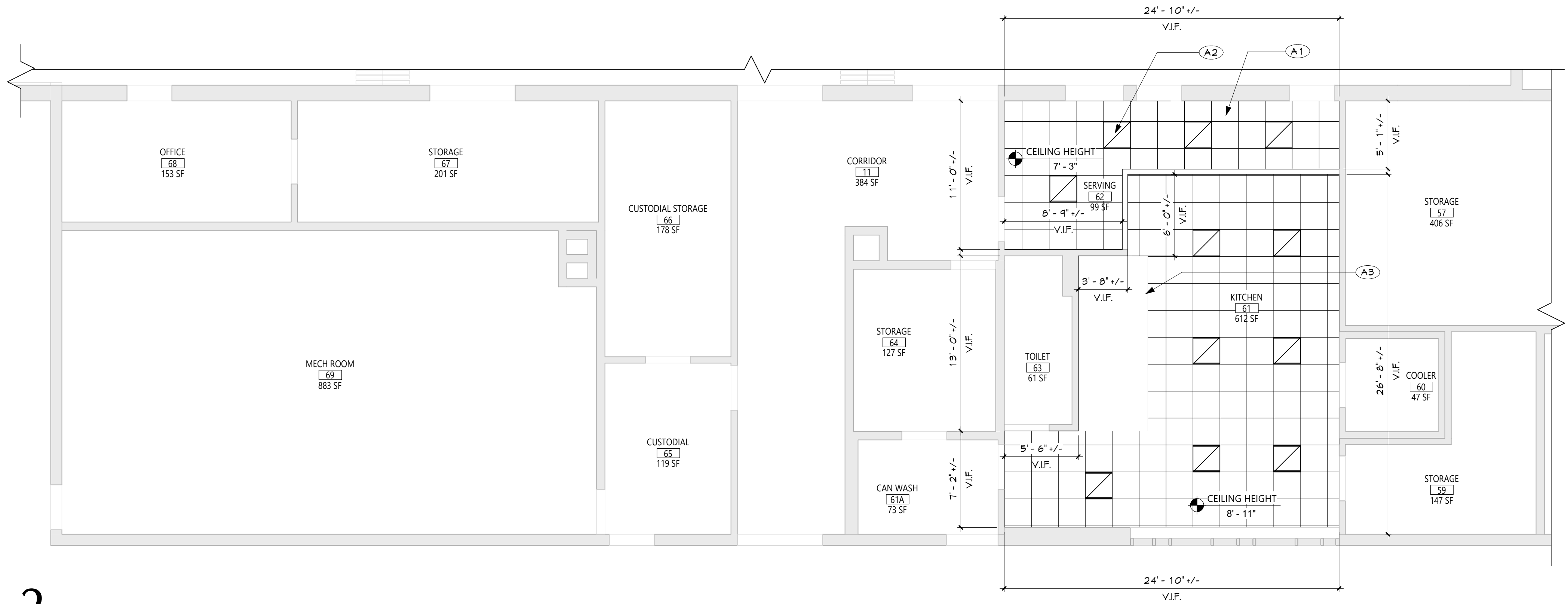
4 Lighting Plan
E111 Scale: 1/4" = 1'-0"



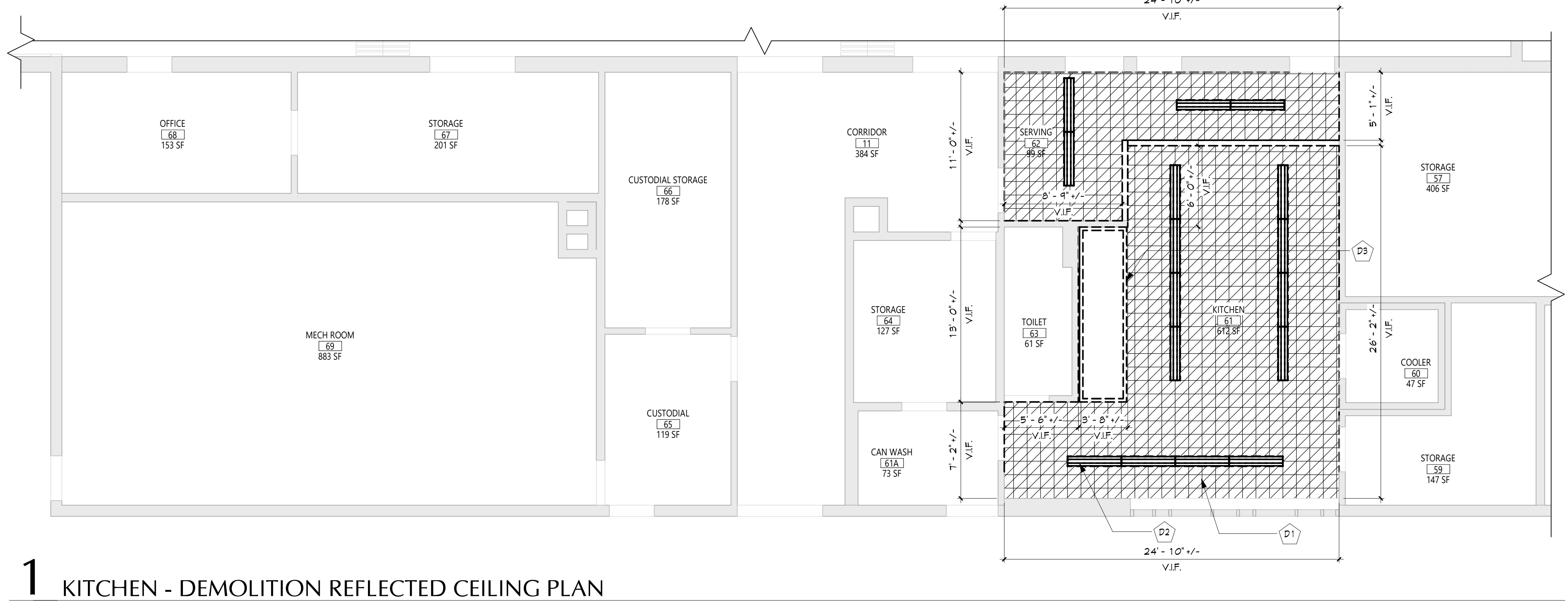
- Key Notes:
- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT; 120V W/ (1) NEMA 5-15P PLUGS, 3.4A
 - NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT; 120V W/ (2) NEMA 5-15P PLUGS, 9.8A EACH
 - KITCHEN HOOD; PROVIDE CIRCUITS FOR LIGHTING AND HOOD CONTROLS AS SHOWN; WIRE HOOD EXHAUST FAN POWER THRU HOOD CONTROLLER; SEE WIRING DIAGRAM ON SHEET EG001
 - UTILITY CABINET W/ HOOD CONTROLLER AND FIRE SUPPRESSION SYSTEM; CONNECT TO EXISTING BUILDING FIRE ALARM SYSTEM; SEE FIRE SUPPRESSION SYSTEM SEQUENCE OF OPERATIONS ON SHEET EG001
 - REMOTE CONTROL SWITCH IN ENCLOSURE TYPICAL OF ASCO 918 OR ACCEPTABLE EQUAL; 6 N/O AND 6 N/C CONTACTS; 120V CONTROL VOLTAGE; WIRE ALL CIRCUITS UNDER KITCHEN HOOD THRU CONTROL SWITCH; CONNECT TO HOOD CONTROLLER FOR CONTROL CIRCUIT & SHUNT TRIP
 - PROVIDE 3 POLE 20A CIRCUIT TO NEW EXHAUST FAN; CONNECT TO EXISTING PANEL (PPMB-2 IN FAN ROOM); RUN POWER THRU HOOD AND THEN UP INSIDE 2ND FLOOR DUCT CHASE TO THE FAN ON THE ROOF; SEE WIRING DIAGRAM ON SHEET EG001
 - EXHAUST FAN MANUAL SWITCH MOUNTED ON FACE OF HOOD; WIRE EXHAUST FAN POWER THRU CONTROLLER IN HOOD UTILITY CABINET
 - INSTALL EXISTING SPEAKER IN NEW CEILING AND CONNECT TO EXISTING WIRING



3 PARTIAL ROOF PLAN
A101 3/16" = 1'-0"



2 KITCHEN - NEW WORK REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



1 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"

GENERAL NOTES

- REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
- REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES

- INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
- INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
- FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND

- EXISTING GNB/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- EXISTING GNB/PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
- CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND

- EXISTING GNB/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- NEW GNB/PLASTER CEILING
- NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED HEAT DETECTOR
- CEILING MOUNTED PA SPEAKER
- CEILING MOUNTED SECURITY J-BOX
- CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

DEMOLITION KEY NOTES

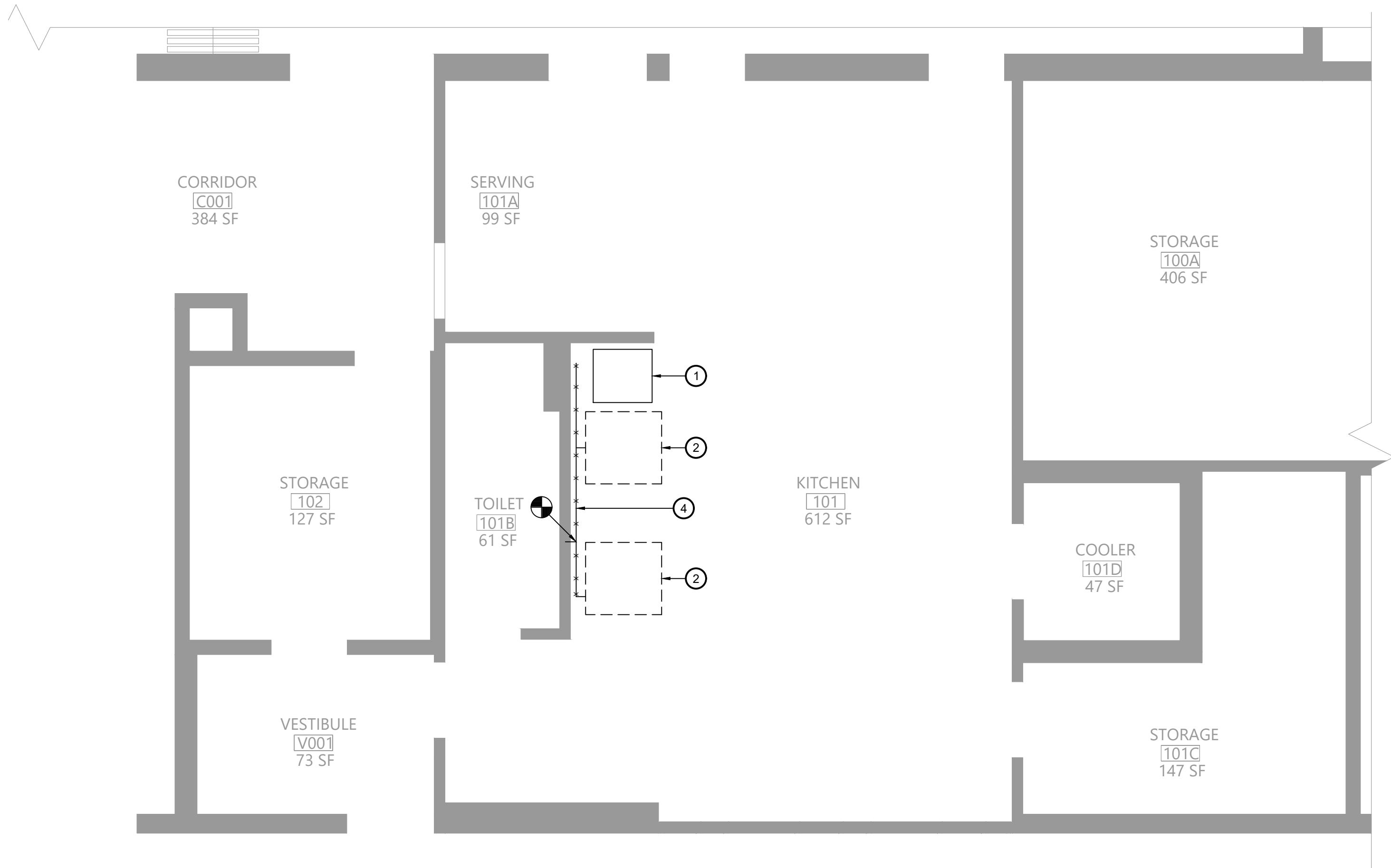
DESCRIPTION	DESCRIPTION
D1	REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH ABATEMENT AND MECH DWGS.
D2	EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.
D3	EXIST. KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.
D4	EXISTING EXHAUST FAN ON ROOF TO BE REMOVED. EXISTING ROOF OPENING TO REMAIN. SEE MECH DWGS FOR DETAILS.

NEW WORK KEY NOTES

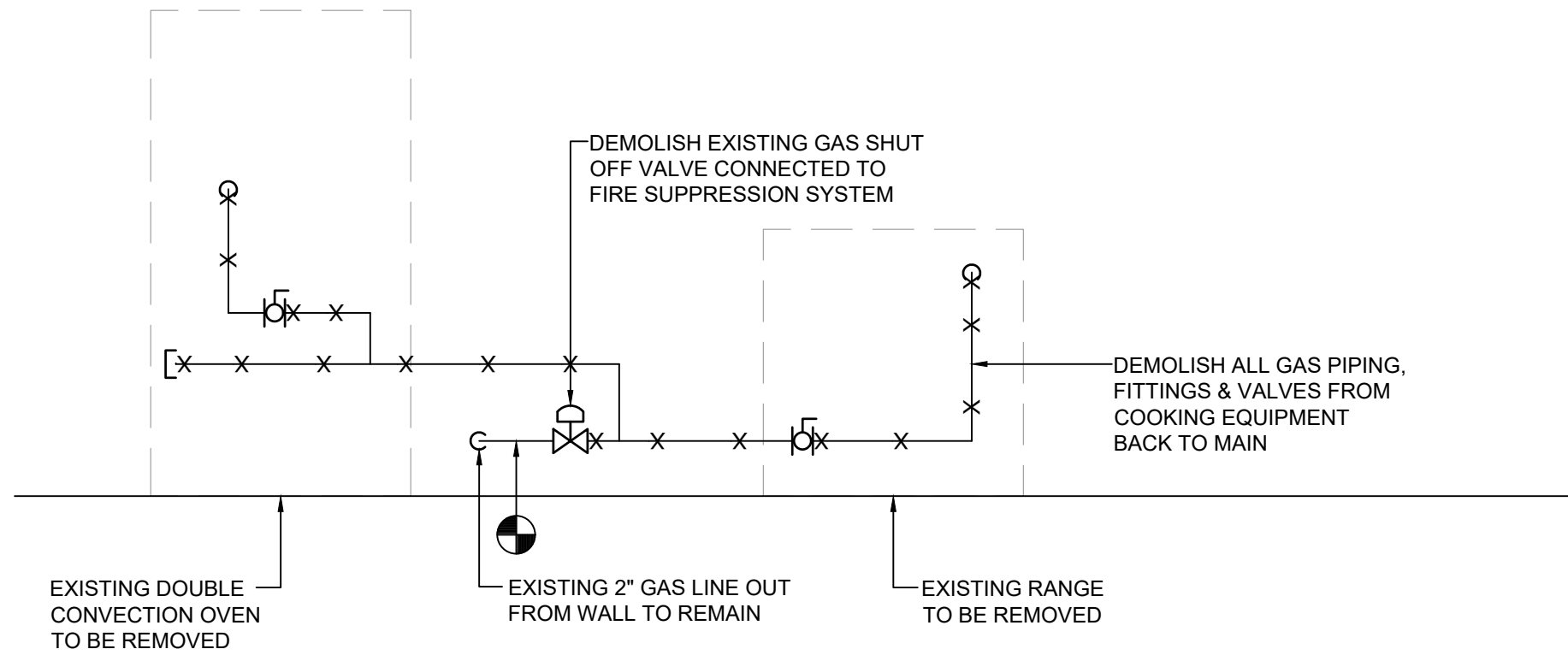
DESCRIPTION	DESCRIPTION
A1	PROVIDE NEW SUSPENDED CLG. COORD. WITH NEW MECH WORK. SEE SPECS
A2	NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.
A3	NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.
A4	NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE WITH MC FOR LOCATION AND SIZE.

KEY PLAN

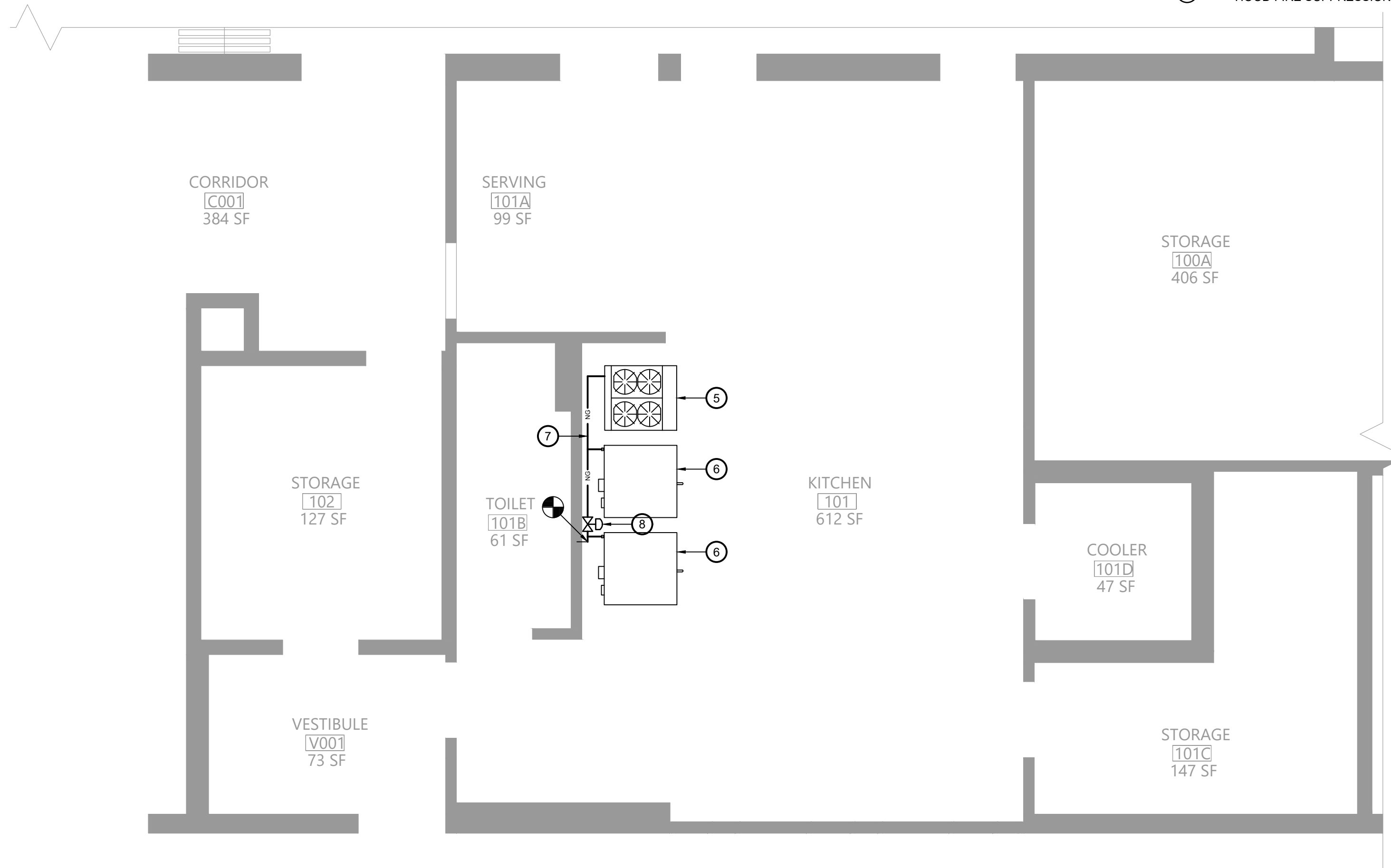
KITCHEN



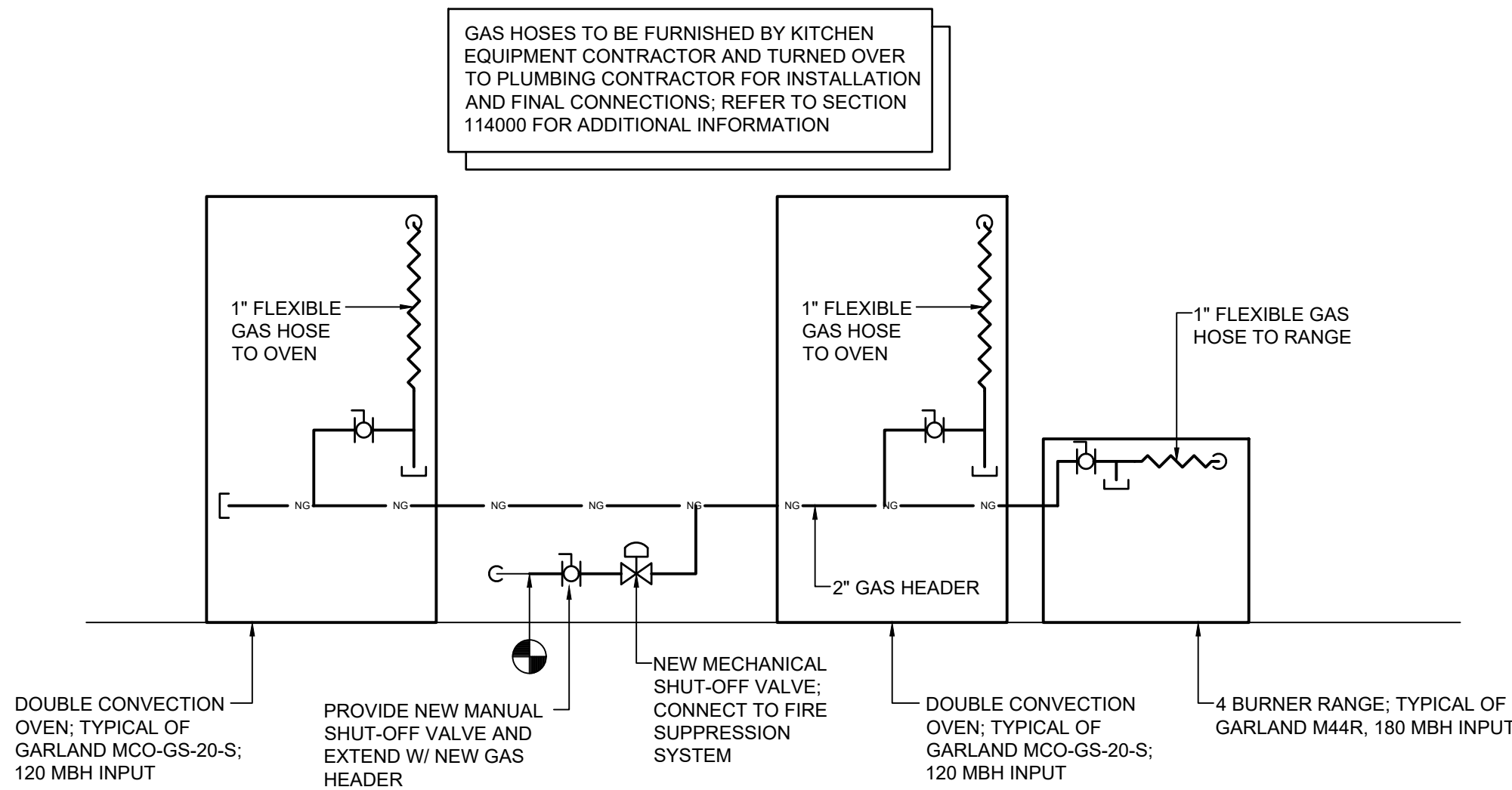
1 Plumbing Demolition Plan
Scale: 1/4" = 1'-0"



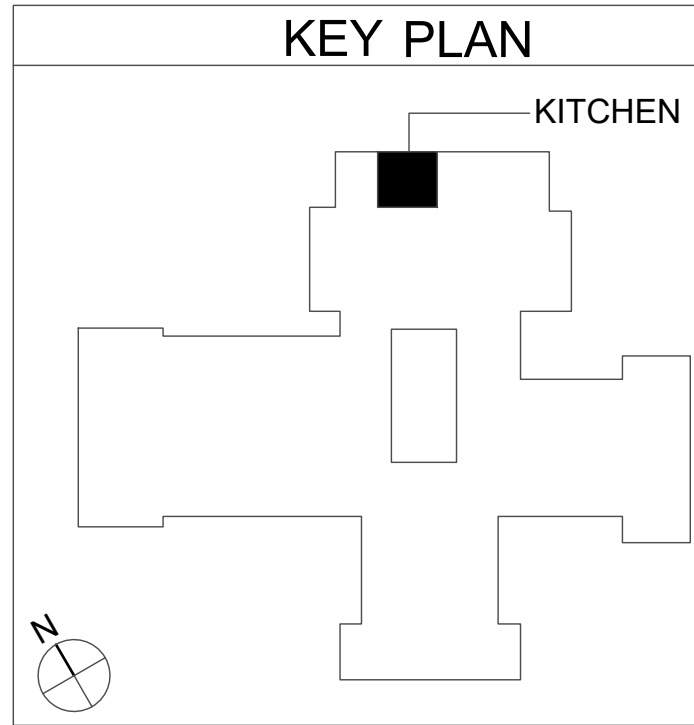
2 Gas Piping Demolition Diagram
N.T.S.



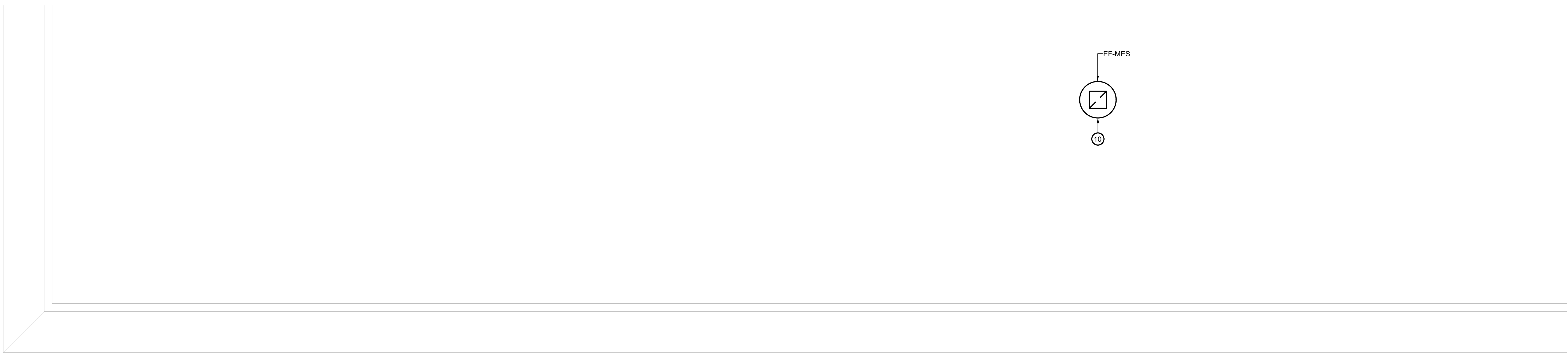
3 Plumbing Plan
Scale: 1/4" = 1'-0"



4 Gas Piping Diagram
N.T.S.



- Key Notes:**
- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
 - EXISTING RANGE TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - EXISTING CONVECTION OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
 - 4 BURNER RANGE TYPICAL OF GARLAND M44R; 180 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - PROVIDE 2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS
 - PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM



1 Roof Mechanical Plan
Scale: 1/4" = 1'-0"



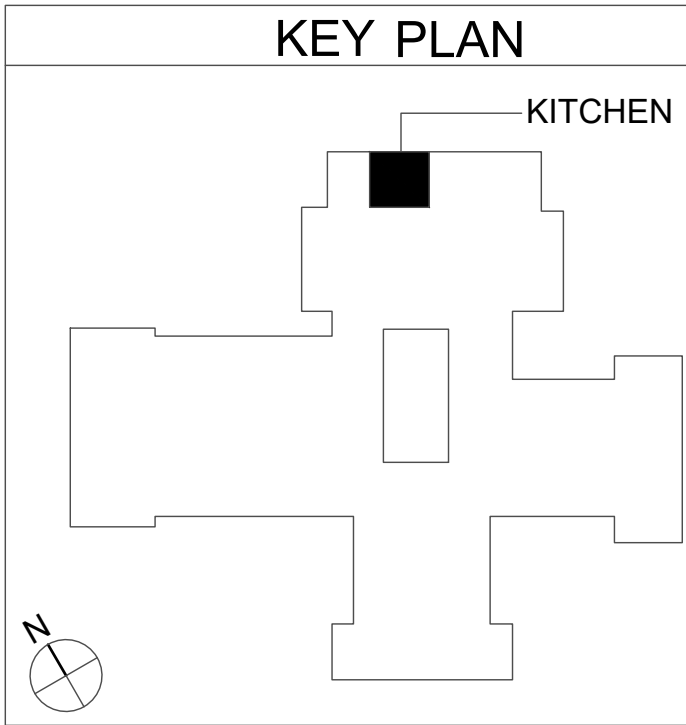
2 First Floor Mechanical Plan
Scale: 1/4" = 1'-0"



3 Kitchen Hood Dimensions
Scale: 1/4" = 1'-0"

Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT;
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT;
- PROVIDE 12'-0" LONG x 5'-2" DEEP x 24" HIGH 304 SS WALL MOUNTED CANOPY STYLE TYPE I KITCHEN HOOD W/ HOOD MOUNTED UTILITY CABINET; PROVIDE W/ 18" CLOSURE PANELS ABOVE HOOD; MOUNT HOOD AT 84" ABOVE FINISHED FLOOR; SEE KITCHEN HOOD NOTES ON MG001
- 12" DEEP UTILITY CABINET W/ COMPLETE R-102 FIRE SUPPRESSION SYSTEM INCLUDING ALL NOZZLES, FUSIBLE LINKS, PIPING, CABLING, TANK(S), PULL STATION
- PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM; INSTALL ON WALL AND CONNECT TO SYSTEM AT HOOD UTILITY CABINET
- 16"x18" KITCHEN EXHAUST DUCT UP FROM HOOD; CONTINUE UP THRU ROOF TO EXHAUST FAN EF-MES; TRANSITION DUCT AS NECESSARY AT FAN CONNECTION
- EXISTING MAKEUP AIR GRILLE TO REMAIN
- EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-MES; TRANSITION DUCT AS NECESSARY AT FAN CONNECTION; INSTALL FAN ON 24" VENTED CURB



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A PROFESSIONAL ENGINEERING FIRM

Project Title

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
MARGETT'S ELEMENTARY SCHOOL

Professional Seal

STATE OF NEW YORK
JULIAN GEORGE BLAKE
009039
LICENSED PROFESSIONAL ENGINEER

DATE	DESCRIPTION

Drawn By:

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Proj. #:

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50-94-02-067-999-005

209-2003.01

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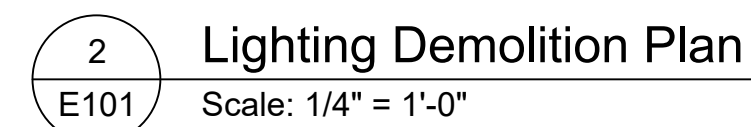
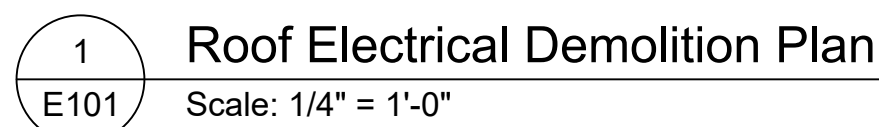
Sheet Title

MECHANICAL
PLANS

Sheet No.

MES
M111

CONSTRUCTION DOCUMENTS



- 3 First Floor Electrical Demolition Plan
E101 Scale: 1/4" = 1'-0"

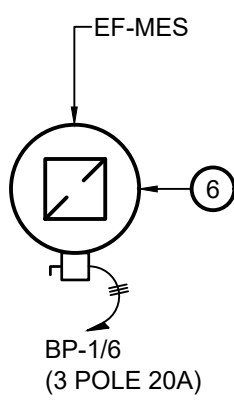


120/208V 3Ø 4W+G				BUS RATING: 200A								MLO	
CONNECTED LOAD	CONDUCTORS	CKT BREAKER AMPS	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT BREAKER AMPS	CONDUCTORS	CONNECTED LOAD			
RANGE	(2) #12 CU & (1) #12 GND.	20	1	-	-	-	2	20	EXISTING	EXISTING			
HOOD CONTROL CIRCUIT	(2) #12 CU & (1) #12 GND.	20	3	-	-	-	4	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	5	-	-	-	6	20	EXISTING	EXISTING			
EXISTING	EXISTING	40	7	-	-	-	8	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	9	-	-	-	10	15	EXISTING	EXISTING			
EXISTING	EXISTING	20	11	-	-	-	12	20	(2) #12 CU & (1) #12 GND.	HOOD LIGHTING			
EXISTING	EXISTING	20	13	-	-	-	14	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	15	-	-	-	16	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	17	-	-	-	18	20	EXISTING	EXISTING			
OVEN	(2) #12 CU & (1) #12 GND.	20	19	-	-	-	20	20	EXISTING	EXISTING			
OVEN	(2) #12 CU & (1) #12 GND.	20	21	-	-	-	22	20	EXISTING	EXISTING			
OVEN	(2) #12 CU & (1) #12 GND.	20	23	-	-	-	24	20	EXISTING	EXISTING			
OVEN	(2) #12 CU & (1) #12 GND.	20	25	-	-	-	26	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	27	-	-	-	28	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	29	-	-	-	30	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	31	-	-	-	32	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	33	-	-	-	34	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	35	-	-	-	36	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	37	-	-	-	38	20	EXISTING	EXISTING			
KITCHEN LIGHTING	(2) #12 CU & (1) #12 GND.	20	39	-	-	-	40	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	41	-	-	-	42	20	EXISTING	EXISTING			
FRANK ADAM PANEL				-	-	-	- KVA TOTAL						

- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY; CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

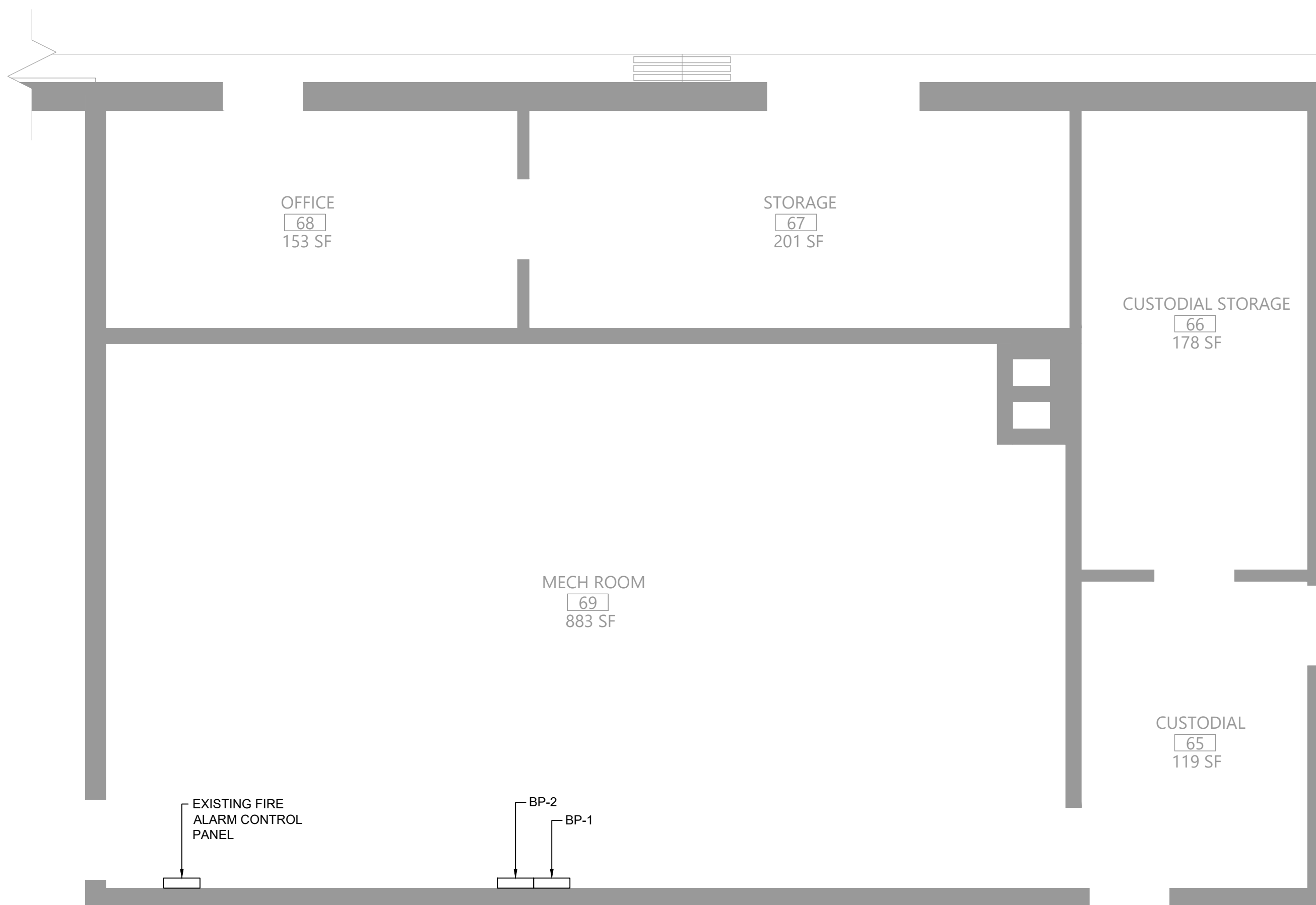
4 Existing Kitchen Panelboard PP-K1

Scale: None



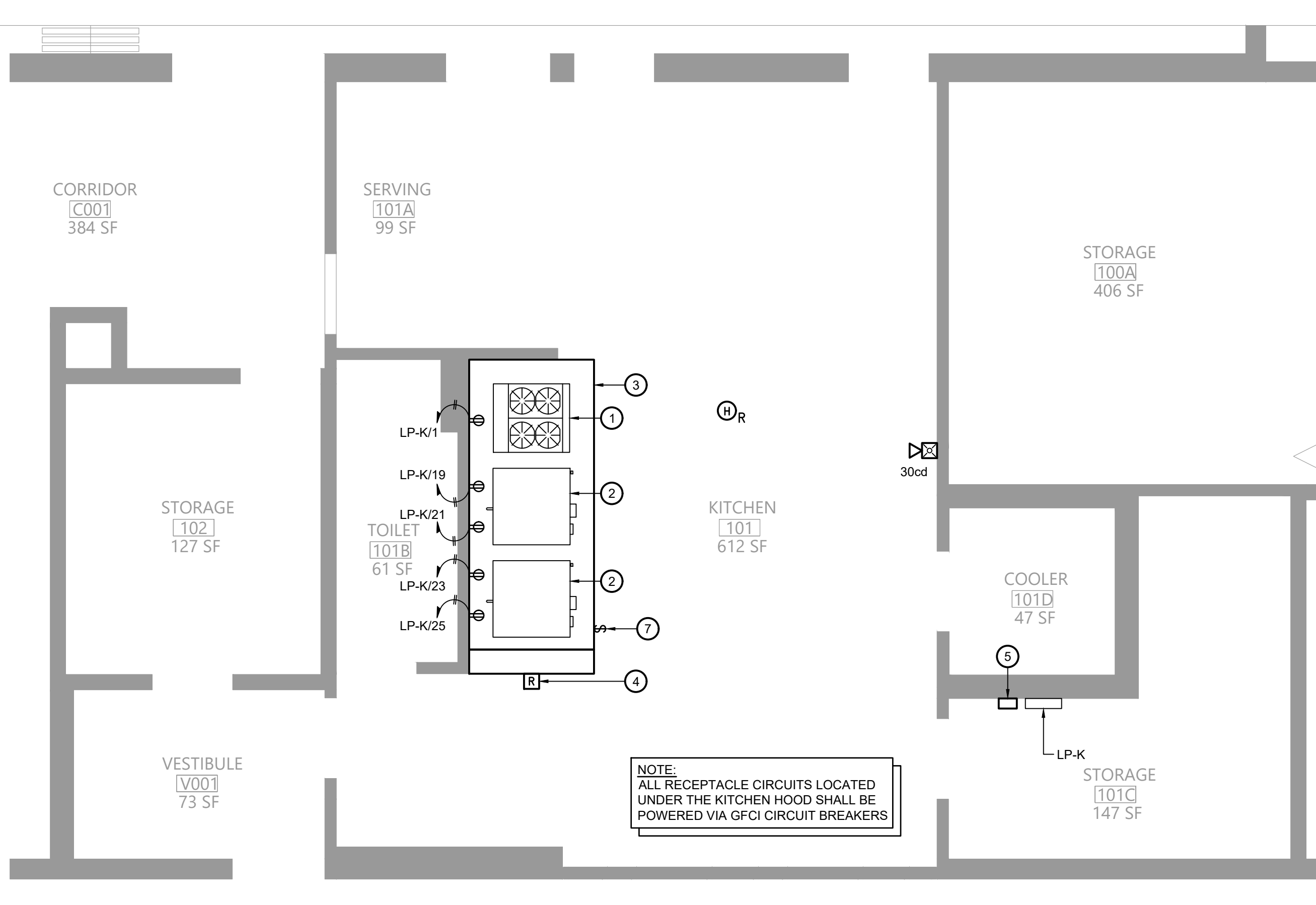
1 Roof Electrical Plan

Scale: 1/4" = 1'-0"



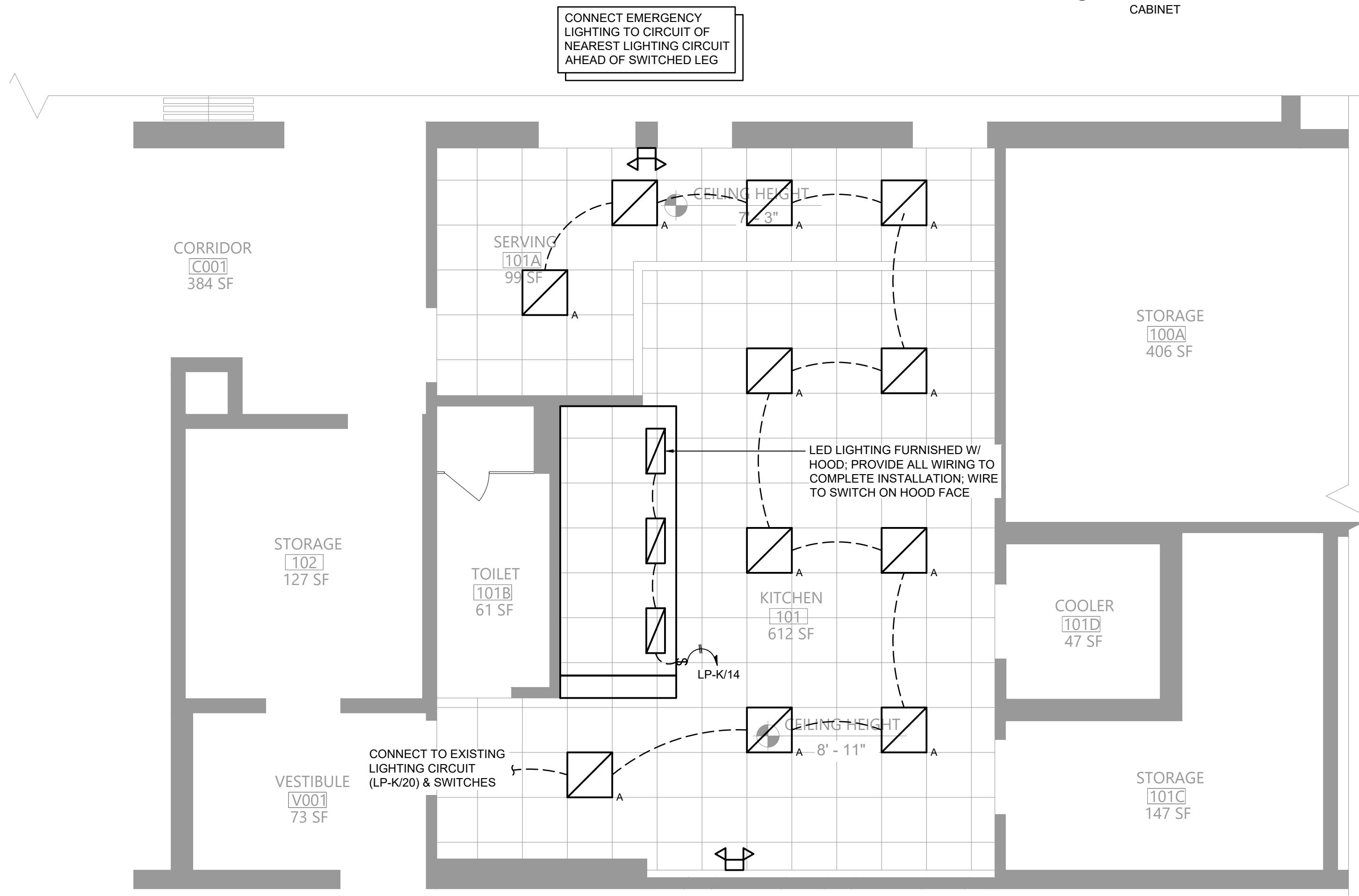
2 First Floor Electrical Plan

Scale: 1/4" = 1'-0"



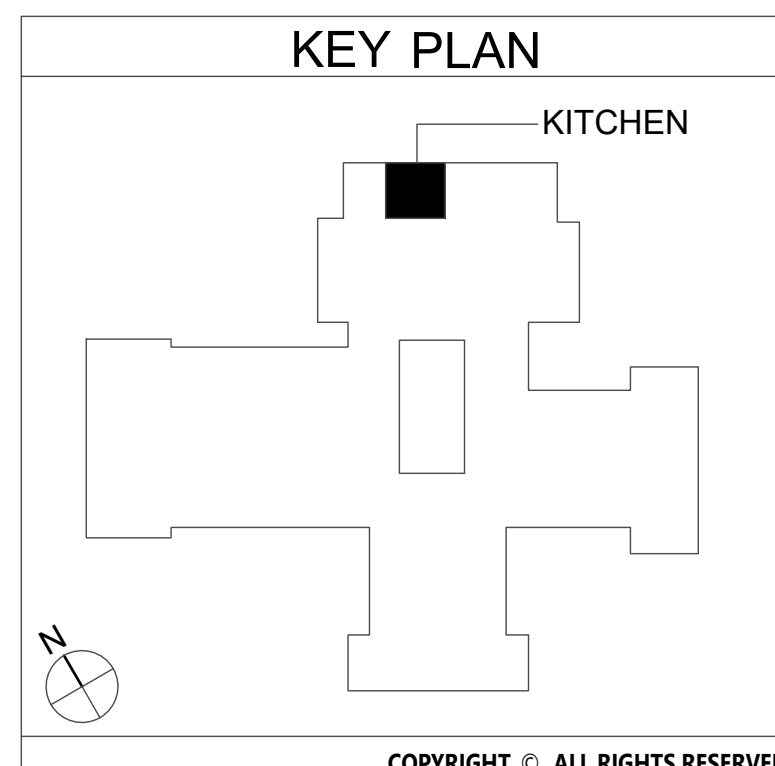
3 Lighting Plan

Scale: 1/4" = 1'-0"



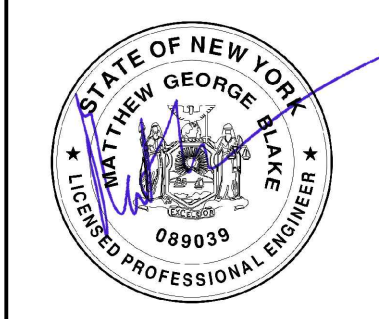
Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT; 120V W/ (1) NEMA 5-15P PLUGS, 3.4A
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT; 120V W/ (2) NEMA 5-15P PLUGS, 9.8A EACH
- KITCHEN HOOD: PROVIDE CIRCUITS FOR LIGHTING AND HOOD CONTROLS AS SHOWN; WIRE HOOD EXHAUST FAN POWER THRU HOOD CONTROLLER; SEE WIRING DIAGRAM ON SHEET EG001
- UTILITY CABINET W/ HOOD CONTROLLER AND FIRE SUPPRESSION SYSTEM; CONNECT TO EXISTING BUILDING FIRE ALARM SYSTEM; SEE FIRE SUPPRESSION SYSTEM SEQUENCE OF OPERATIONS ON SHEET EG001
- REMOTE CONTROL SWITCH IN ENCLOSURE TYPICAL OF ASCO 918 OR ACCEPTABLE EQUAL; 6 N/O AND 6 N/C CONTACTS; 120V CONTROL VOLTAGE; WIRE ALL CIRCUITS UNDER KITCHEN HOOD THRU CONTROL SWITCH; CONNECT TO HOOD CONTROLLER FOR CONTROL CIRCUIT & SHUNT TRIP
- PROVIDE 3 POLE 20A CIRCUIT TO NEW EXHAUST FAN; CONNECT TO EXISTING PANEL (PPMB-2 IN FAN ROOM); RUN POWER THRU HOOD AND THEN UP INSIDE 2ND FLOOR DUCT CHASE TO THE FAN ON THE ROOF; SEE WIRING DIAGRAM ON SHEET EG001
- EXHAUST FAN MANUAL SWITCH MOUNTED ON FACE OF HOOD; WIRE EXHAUST FAN POWER THRU CONTROLLER IN HOOD UTILITY CABINET



EAST RAMAPO CENTRAL SCHOOL DISTRICT DISTRICT WIDE KITCHEN HOOD REPLACEMENT MARGETT'S ELEMENTARY SCHOOL

Project Title



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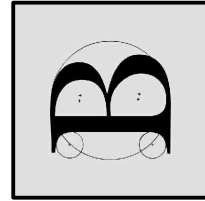
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Sheet Title
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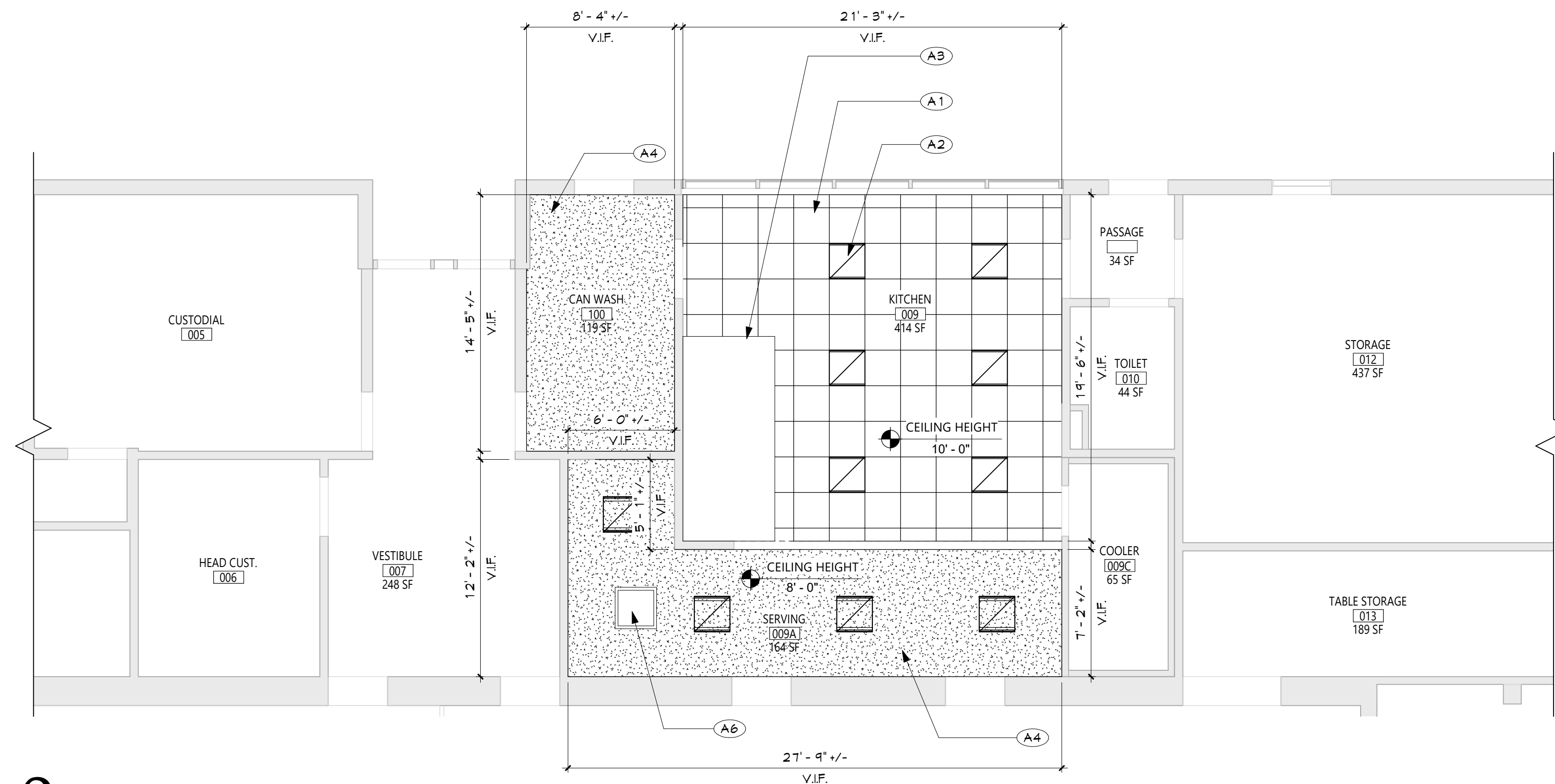


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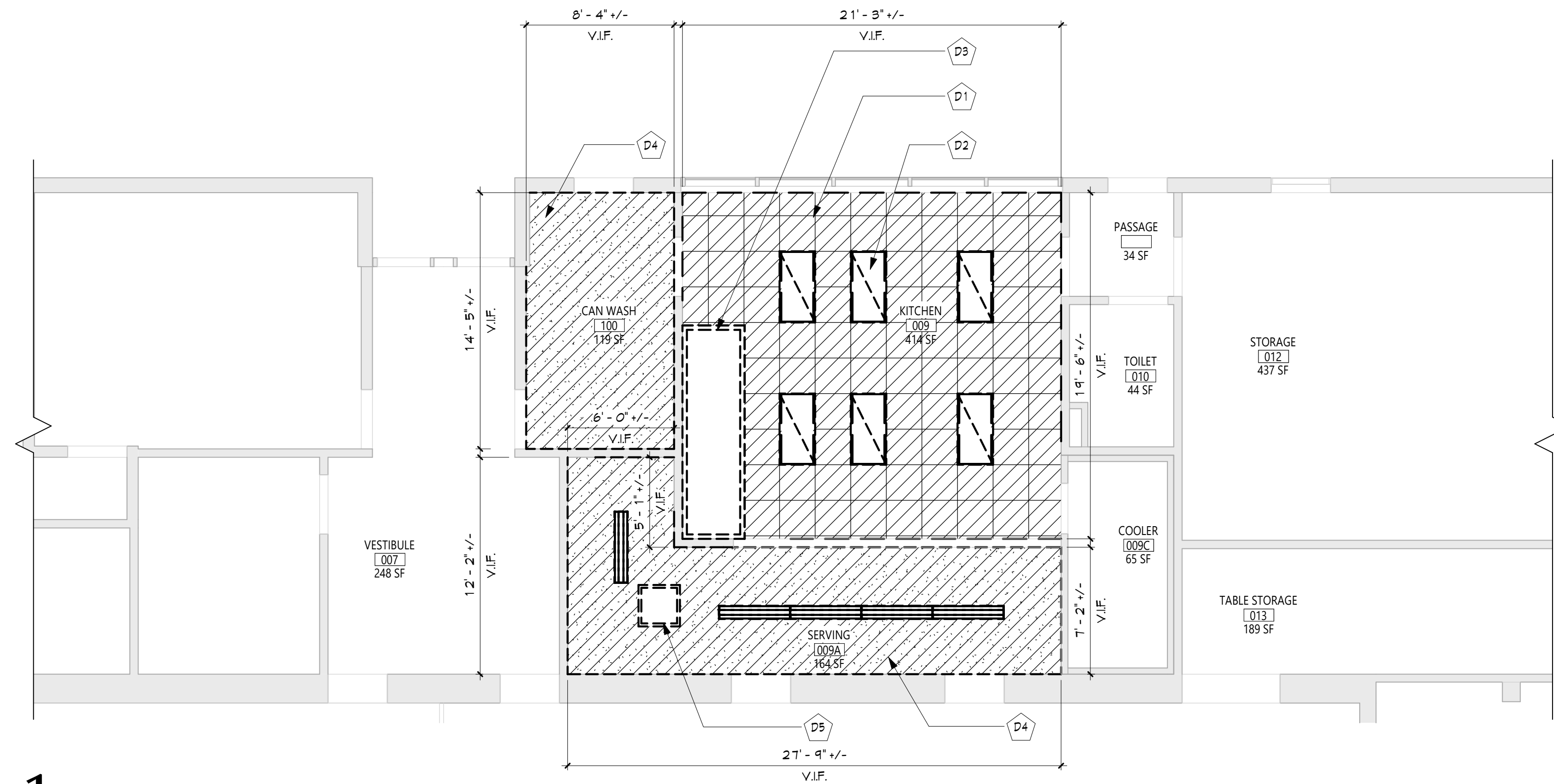
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2 KITCHEN - NEW WORK REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



1 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILING MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND

- EXISTING PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- EXISTING PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
- CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND

- EXISTING GYM/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- NEW GYM CEILING
- NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED HEAT DETECTOR
- CEILING MOUNTED PA SPEAKER
- CEILING MOUNTED SECURITY J-BOX
- CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

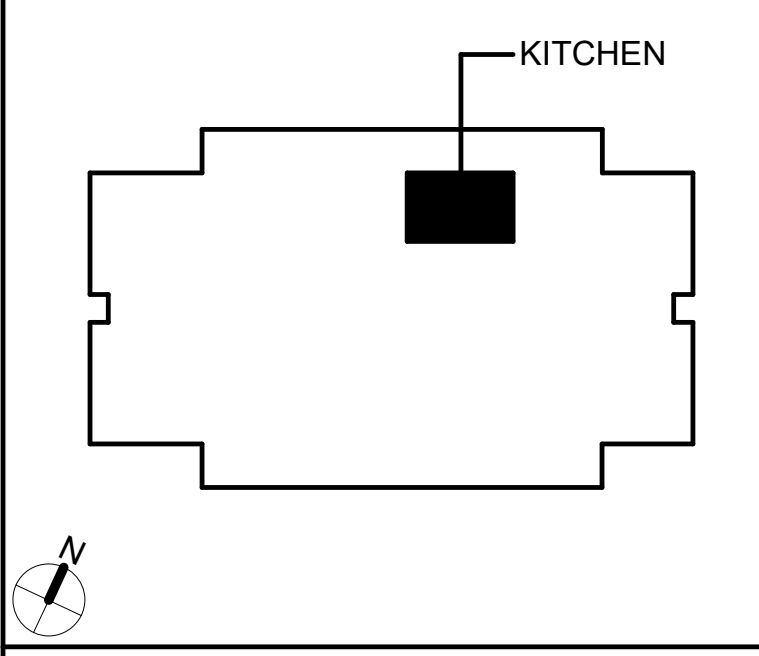
DEMOLITION KEY NOTES

- | # | DESCRIPTION |
|----|----------------------------------------------------------------------------------------------------|
| D1 | REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH ABATEMENT AND MECH DWGS. |
| D2 | EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS. |
| D3 | EXIST. KITCHEN HOOD. SEE MECH DWGS FOR DETAILS. |
| D4 | REMOVE EXIST. PLASTER CLG. TO ACCOMMODATE MECH DEMO WORK. COORDINATE WITH ABATEMENT AND MECH DWGS. |
| D5 | REMOVE EXIST. CLG ACCESS DOOR. |

NEW WORK KEY NOTES

- | # | DESCRIPTION |
|----|-------------------------------------------------------------------------------------------------------------------|
| A1 | PROVIDE NEW SUSPENDED CLG. COORD. WITH NEW MECH WORK. SEE SPECS |
| A2 | NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS. |
| A3 | NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS. |
| A4 | PROVIDE NEW GYP. BD. CLG. GC TO COORDINATE WITH MC. |
| A6 | INFILL PATCH, SAND, & PAINT TO MATCH EXIST. GC TO COORD. WITH MC. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS |

KEY PLAN



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EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
LIME KILN ELEMENTARY SCHOOL

Project Title



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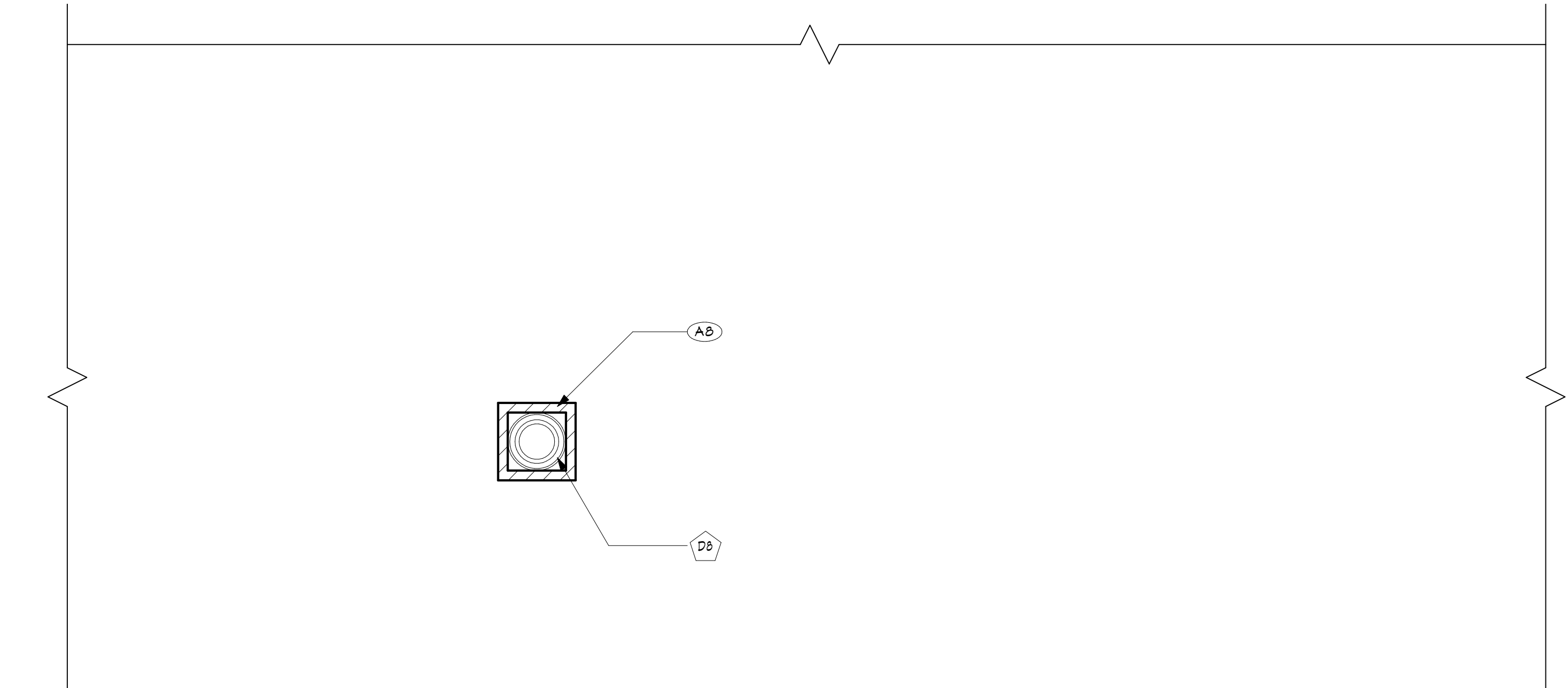
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PLANS

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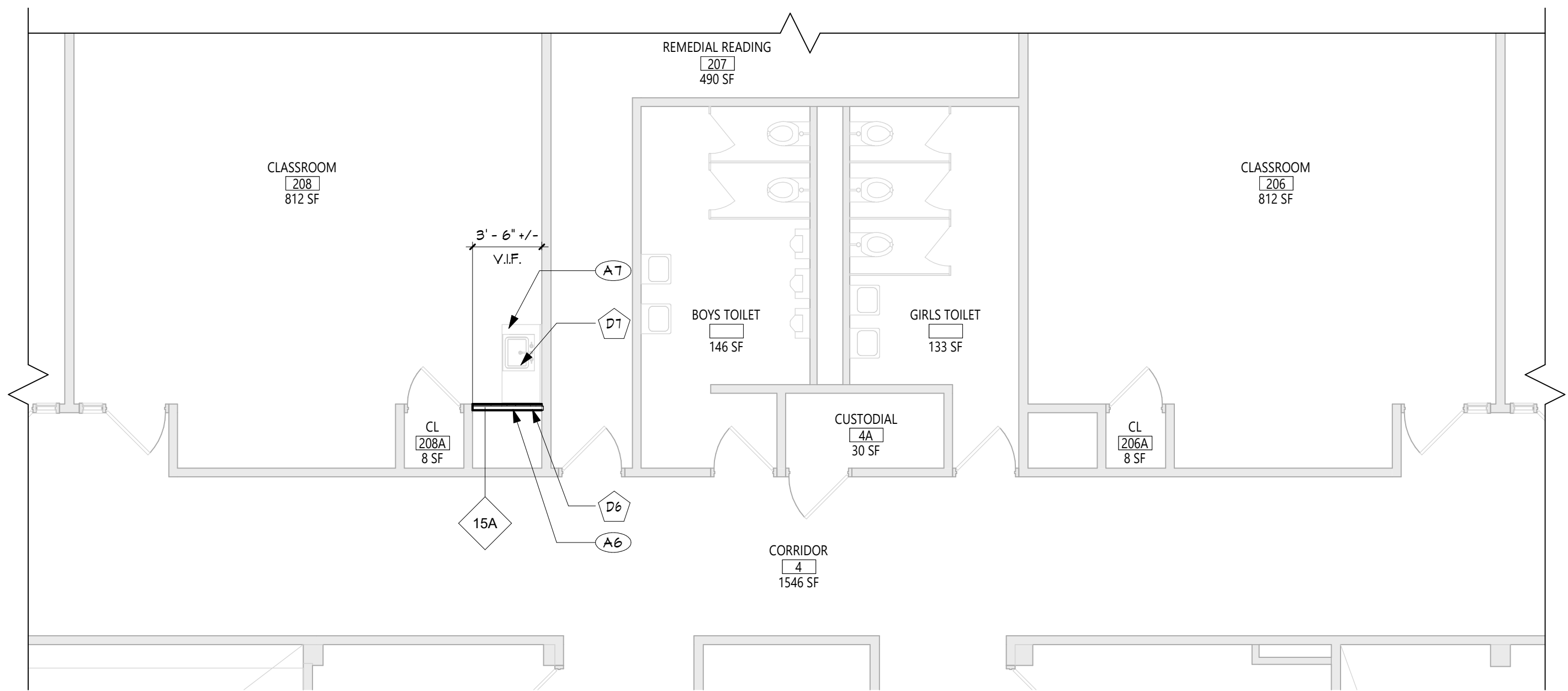
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CONSTRUCTION DOCUMENTS

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2 PARTIAL ROOF PLAN
A102 3/16" = 1'-0"



1 PARTIAL SECOND FLOOR PLAN
A102 3/16" = 1'-0"

GENERAL NOTES
1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES
1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND
EXISTING PLASTER CEILING TO REMAIN
EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
EXISTING PLASTER CEILING TO BE REMOVED
EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND
EXISTING GNB/PLASTER CEILING TO REMAIN
EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
NEW GNB CEILING
NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2'X4' LIGHT FIXTURE
2'X2' LIGHT FIXTURE
1'X LIGHT FIXTURE
PENDANT LIGHT FIXTURE
RECESSED DOWN LIGHT
CEILING MOUNTED EXIT SIGN
CEILING MOUNTED OCCUPANCY SENSOR
CEILING MOUNTED SMOKE DETECTOR
CEILING MOUNTED HEAT DETECTOR
CEILING MOUNTED PA SPEAKER
CEILING MOUNTED SECURITY J-BOX
CEILING MOUNTED MOTION SENSOR
CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
HVAC SUPPLY GRILLE
HVAC RETURN GRILLE

DEMOLITION KEY NOTES
D6 REMOVE PORTION OF INTERIOR PARTITION TO ACCOMMODATE MECH DEMO WORK. COORDINATE WITH ABATEMENT AND MECH DWGS.
D7 TEMPORARILY REMOVE EXIST. CASEWORK, COUNTERTOP, AND SINK TO ACCOMMODATE MECH WORK. GC TO COORD. W/ MC.
D8 EXIST. EXHAUST FAN ON ROOF TO BE REMOVED. EXISTING ROOF OPENING TO REMAIN. SEE MECH DWGS FOR DETAILS.

NEW WORK KEY NOTES
A6 INFILL, PATCH, SAND, & PAINT TO MATCH EXIST. GC TO COORD. WITH MC. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS
A7 REINSTALL EXIST. CASEWORK, COUNTERTOP, AND SINK. GC TO COORD. WITH MC.
A8 NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE WITH MC FOR LOCATION AND SIZE.

KEY PLAN
KITCHEN
PARTIAL SECOND FLOOR AND ROOF PLANS
LKES A102

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DISTRICT WIDE KITCHEN HOOD REPLACEMENT
LIME KILN ELEMENTARY SCHOOL

Project Title



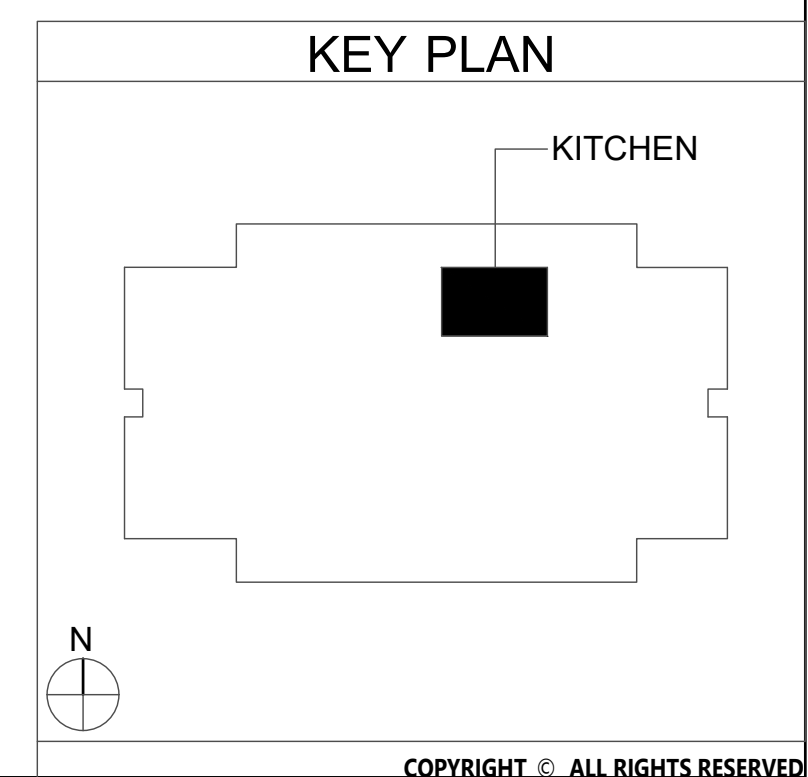
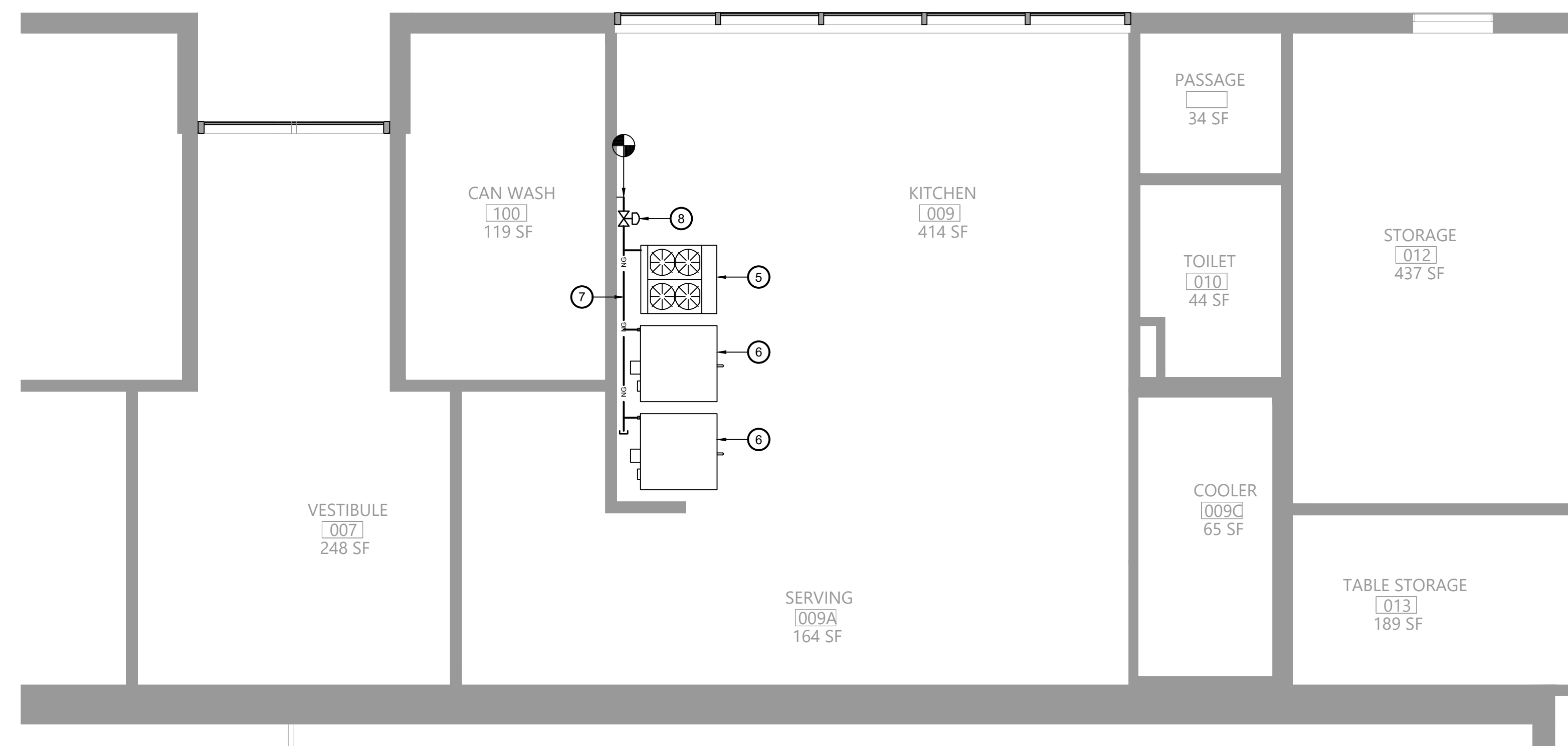
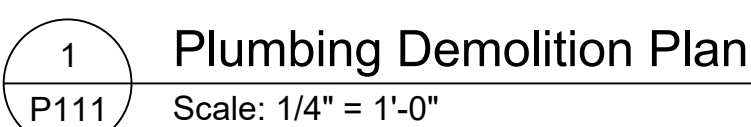
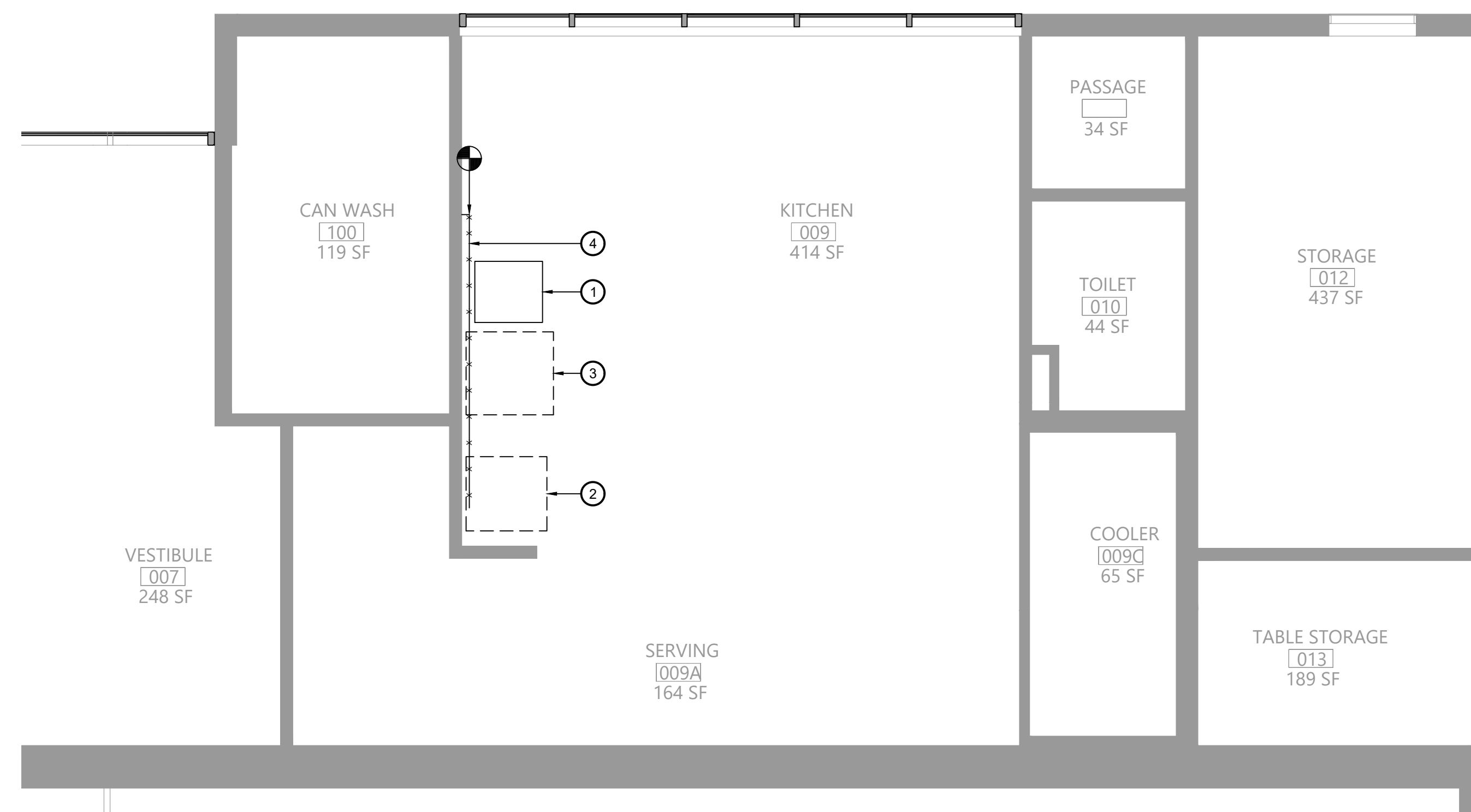
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Sheet Title
PARTIAL SECOND FLOOR AND ROOF PLANS

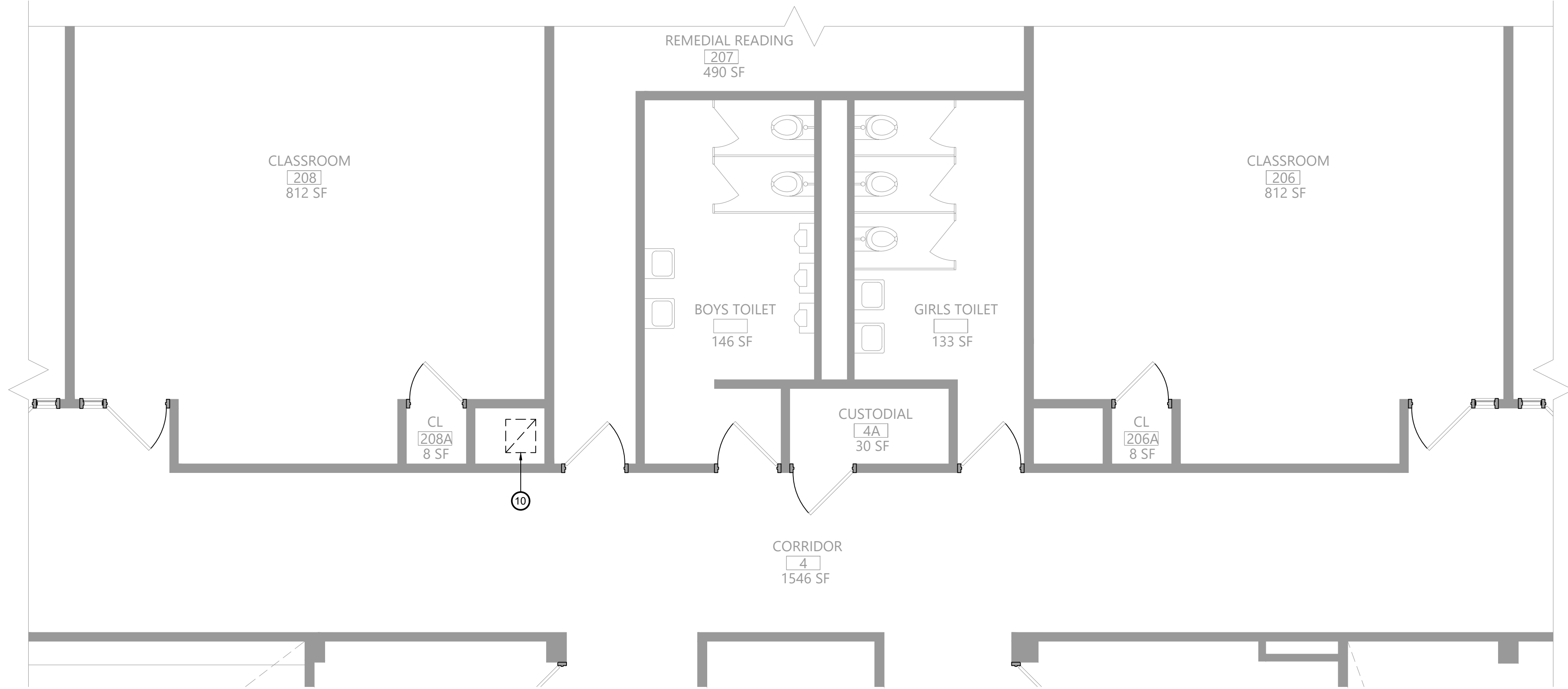
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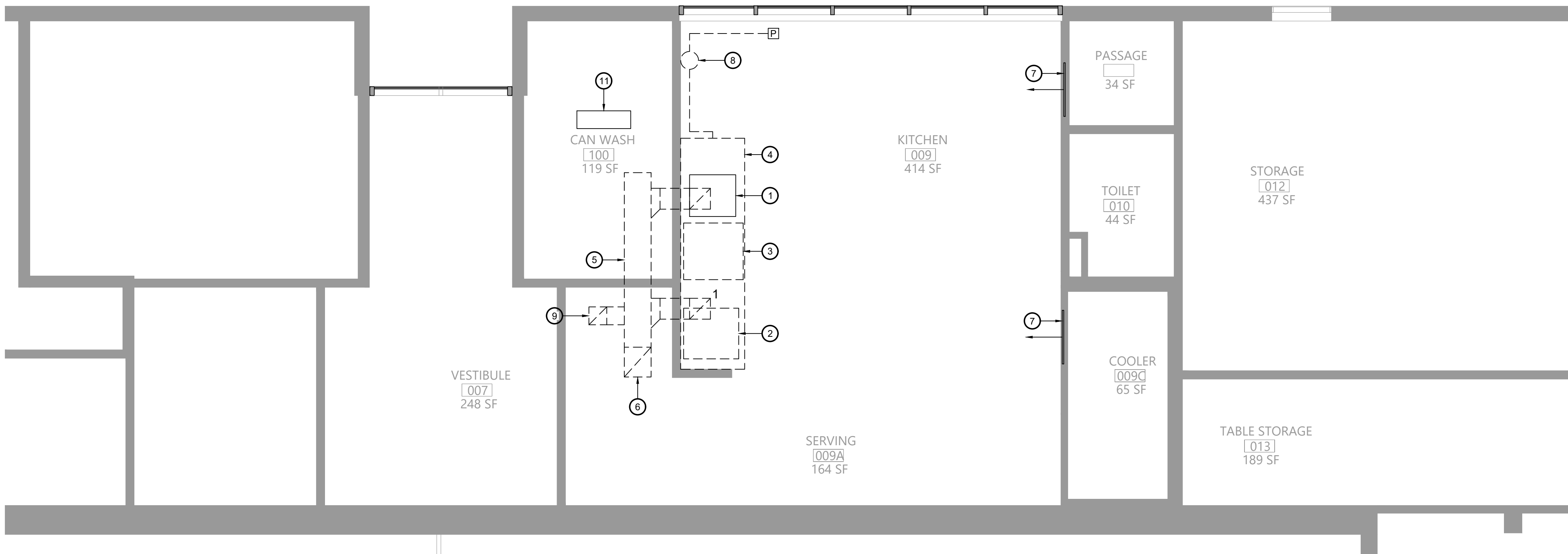


- Key Notes:

- 1 EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
- 2 EXISTING RANGE TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSAL OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
- 3 EXISTING CONVECTION OVEN TO BE REMOVED, DISCONNECT, REMOVE & PROPERLY DISPOSAL OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
- 4 EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
- 5 4 BURNER RANGE TYPICAL OF GARLAND MMAR, 180 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
- 6 DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
- 7 PROVIDE 2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS
- 8 PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM



1 Second Floor Mechanical Demolition Plan
M101 Scale: 1/4" = 1'-0"



2 First Floor Mechanical Demolition Plan
M101 Scale: 1/4" = 1'-0"

Key Notes:

- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
- EXISTING RANGE TO BE REMOVED
- EXISTING CONVECTION OVEN TO BE REMOVED
- EXISTING KITCHEN HOOD TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
- EXISTING EXHAUST DUCTWORK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
- EXISTING EXHAUST DUCTWORK UP INTO CHASE ABOVE; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ENTIRE RISER UP TO ROOF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
- EXISTING MAKEUP AIR GRILLE TO REMAIN
- EXISTING FIRE SUPPRESSION SYSTEM TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ENTIRE SYSTEM INCLUDING TANK, CONTROL HEAD, PIPING, CONDUIT, CABLING, PULL STATION, NOZZLES
- EXISTING CEILING EXHAUST GRILLE AND ASSOCIATED DUCTWORK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING KITCHEN HOOD EXHAUST DUCT WITHIN CHASE AND THE EXHAUST FAN AND CURB ON THE ROOF;
- DISCONNECT, REMOVE & STORE EXISTING HOT WATER UNIT HEATER TO ALLOW FOR REMOVAL OF CEILING; TEMPORARILY CAP HW PIPING AND MAINTAIN FOR RECONNECTION

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
LIME KILN ELEMENTARY SCHOOL

Project Title



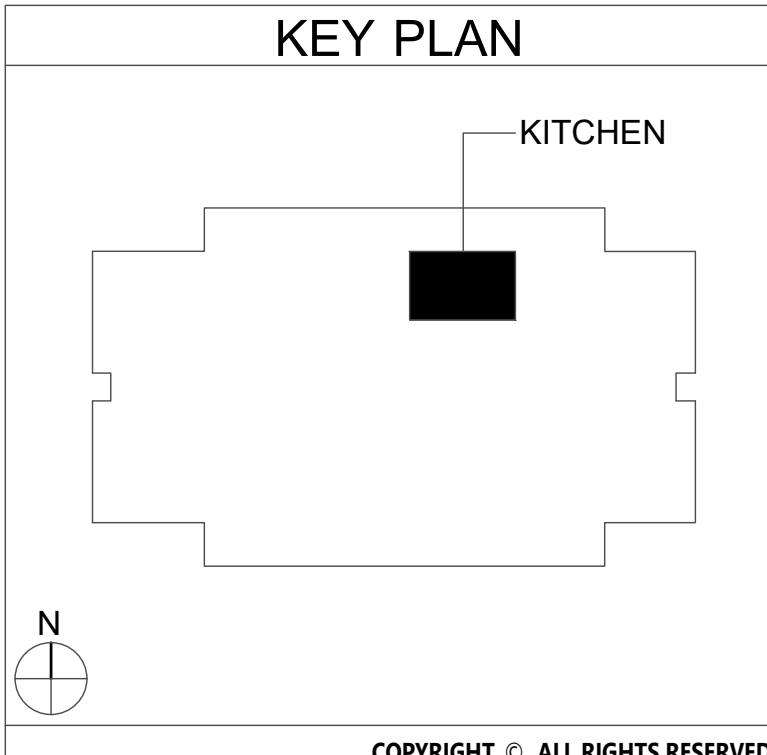
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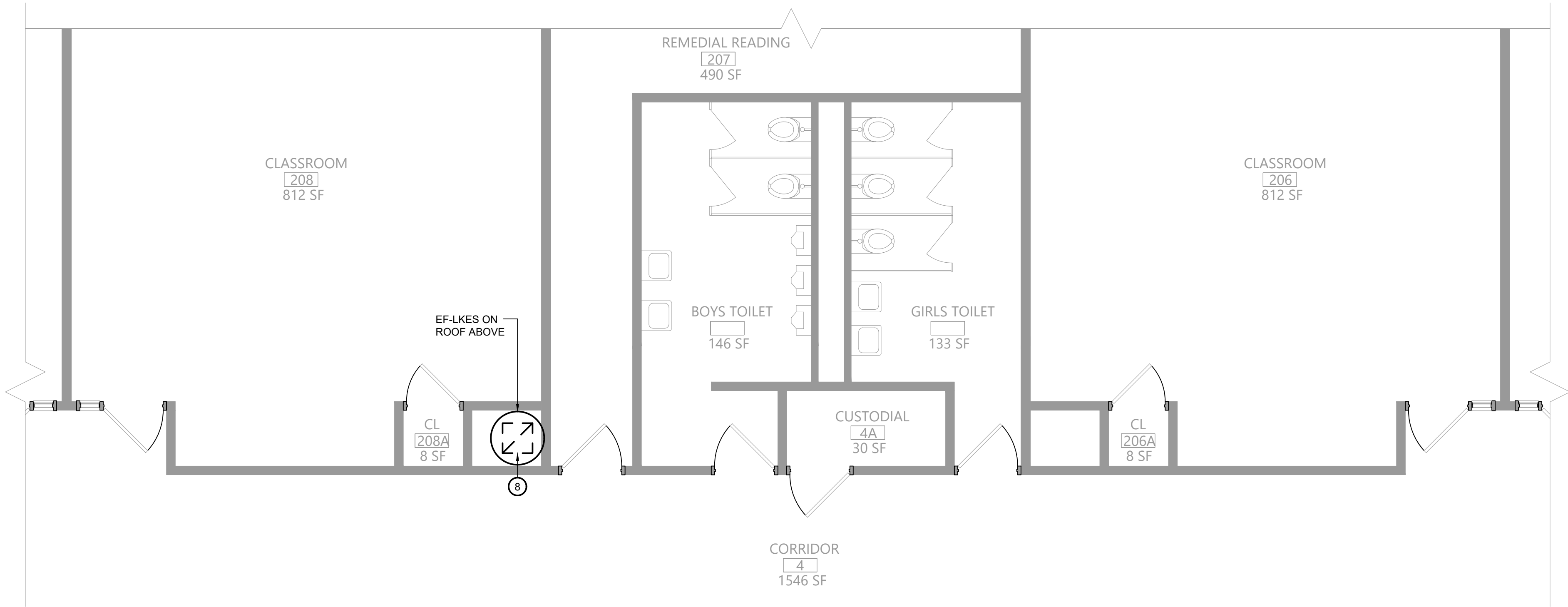
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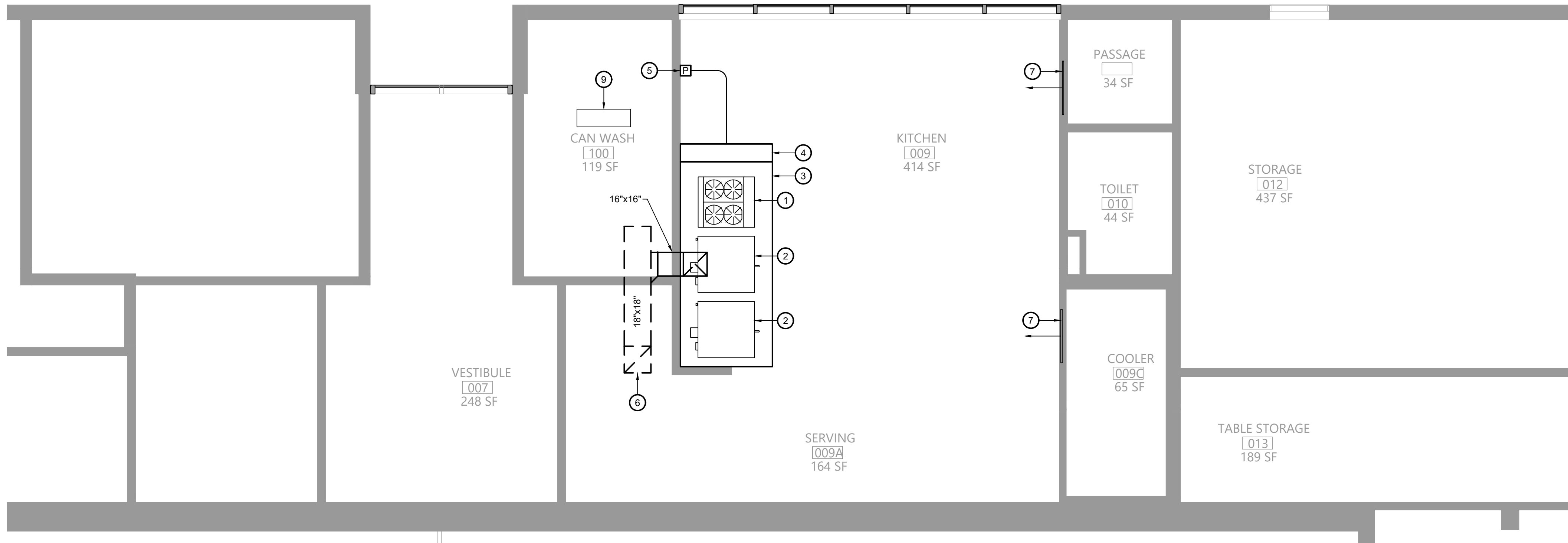
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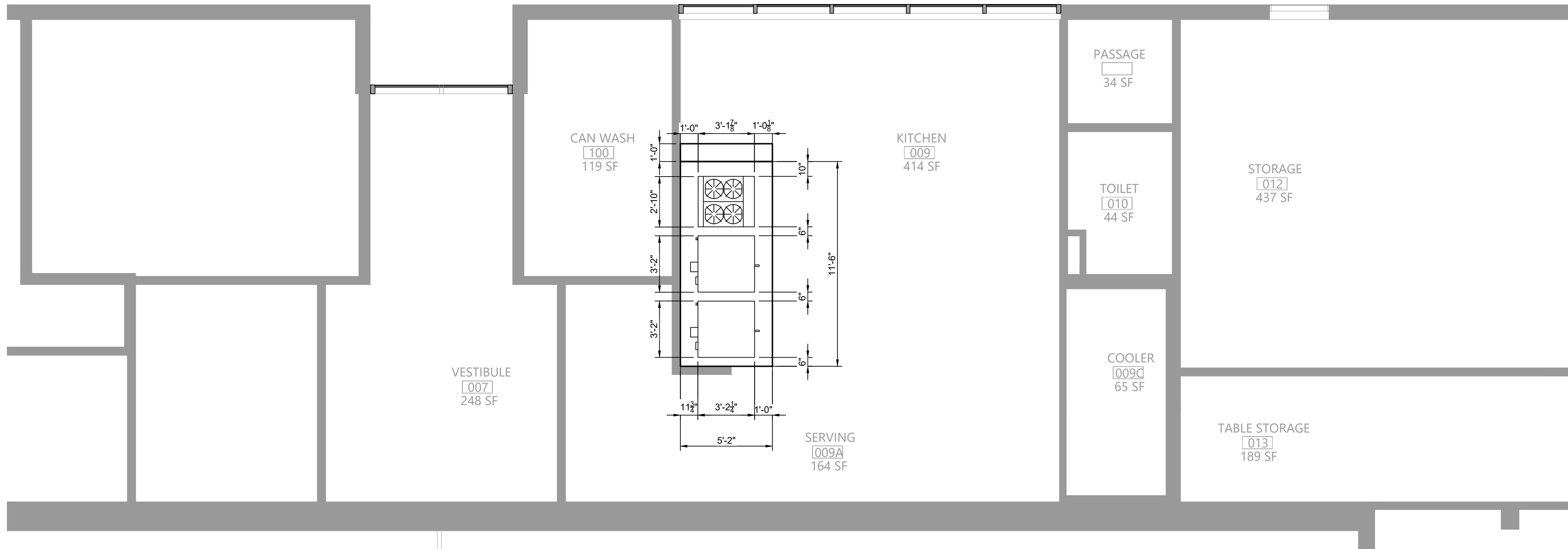
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1 Second Floor Mechanical Plan
M111 Scale: 1/4" = 1'-0"



2 First Floor Mechanical Plan
M111 Scale: 1/4" = 1'-0"



3 Kitchen Hood Dimensions
M111 Scale: 1/4" = 1'-0"

Key Notes:

- 1 NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT;
- 2 NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT;
- 3 PROVIDE 11'-6" LONG x 5'-2" DEEP x 24" HIGH 304 SS WALL MOUNTED CANOPY STYLE TYPE I KITCHEN HOOD W/ HOOD MOUNTED UTILITY CABINET; PROVIDE W/ 18" CLOSURE PANELS ABOVE HOOD; MOUNT HOOD AT 84" ABOVE FINISHED FLOOR; SEE KITCHEN HOOD NOTES ON MG001
- 4 12" DEEP UTILITY CABINET W/ COMPLETE R-102 FIRE SUPPRESSION SYSTEM INCLUDING ALL NOZZLES, FUSIBLE LINKS, PIPING, CABLING, TANK(S), PULL STATION
- 5 PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM; INSTALL ON WALL AND CONNECT TO SYSTEM AT HOOD UTILITY CABINET
- 6 18"x18" KITCHEN EXHAUST DUCT UP INTO 2ND FLOOR CHASE; CONTINUE UP THRU ROOF TO EXHAUST FAN EF-EDES
- 7 EXISTING MAKEUP AIR GRILLE TO REMAIN
- 8 18"x18" KITCHEN EXHAUST DUCT UP IN 2ND FLOOR CHASE; CONTINUE UP THRU ROOF TO EXHAUST FAN EF-EDES; TRANSITION DUCT AS NECESSARY AT FAN CONNECTION; INSTALL FAN ON 24" VENTED CURB
- 9 REINSTALL EXISTING UNIT HEATER; RECONNECT TO EXISTING HOT WATER PIPING; PROVIDE NEW VALVES; RECONNECT TO EXISTING CONTROLS

EAST RAMAPO CENTRAL SCHOOL DISTRICT DISTRICT WIDE KITCHEN HOOD REPLACEMENT LIME KILN ELEMENTARY SCHOOL

Project Title



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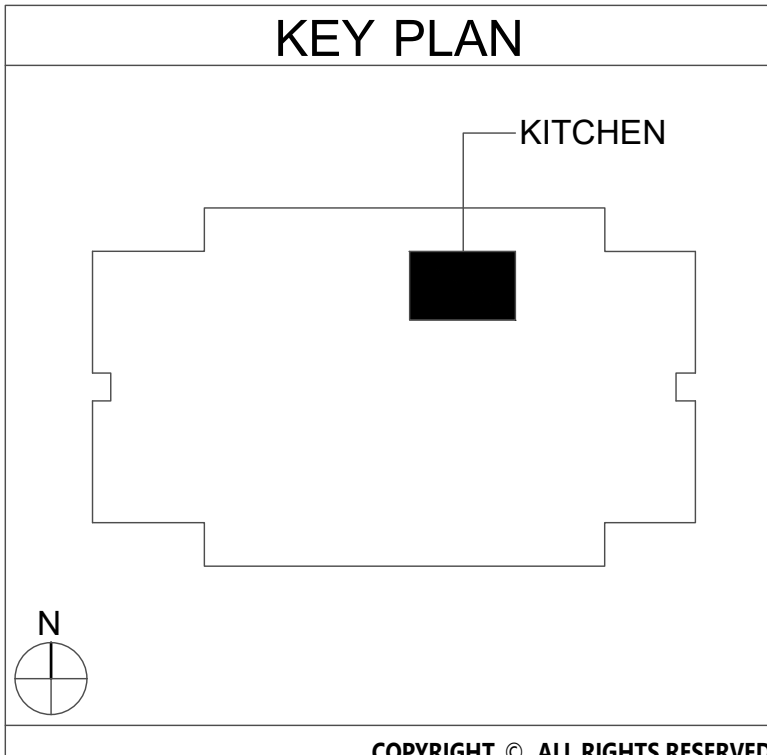
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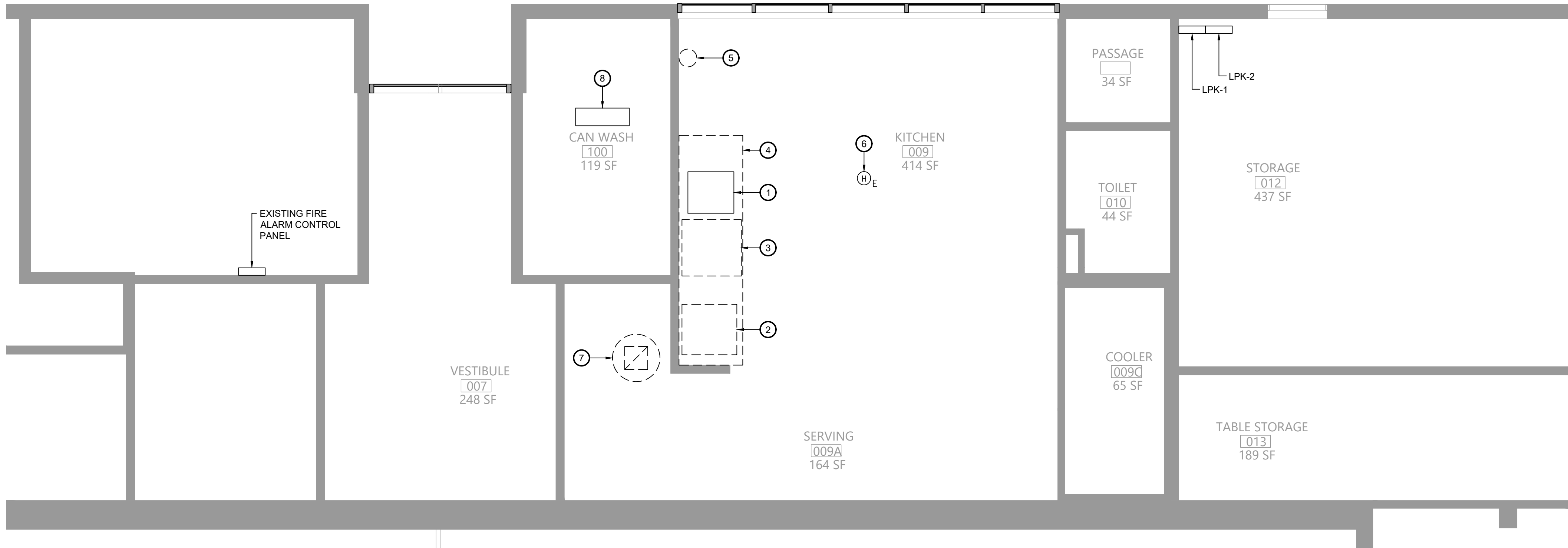
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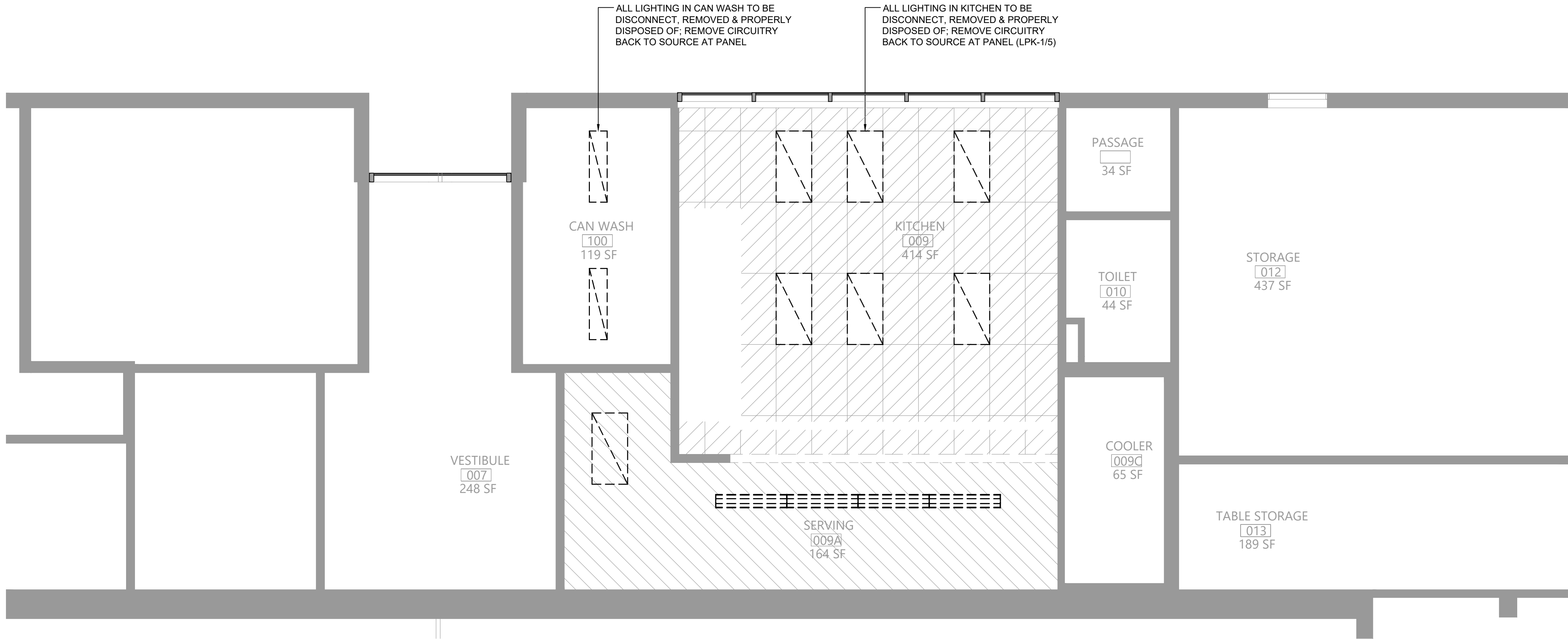
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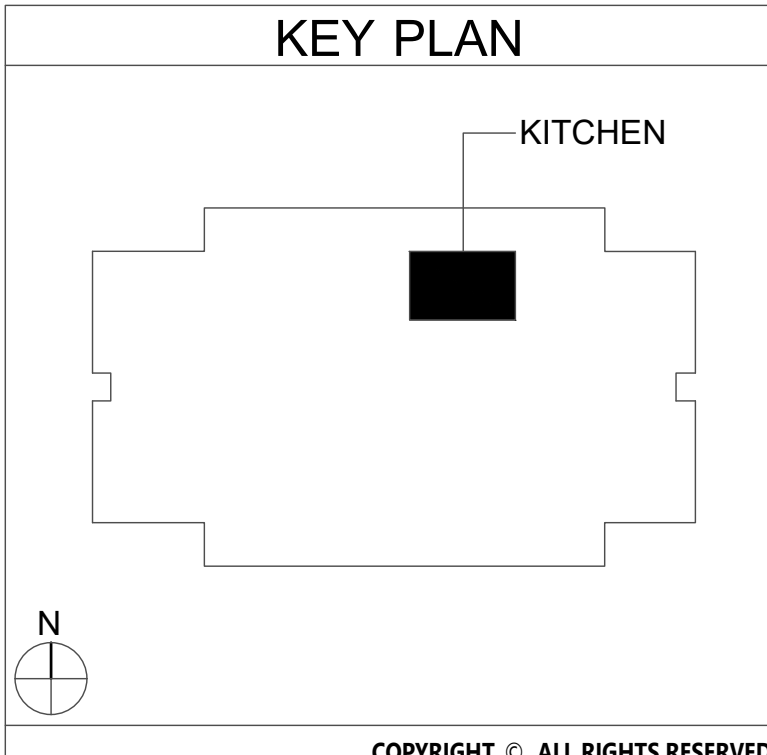
1 Electrical Demolition Plan
Scale: 1/4" = 1'-0"



2 Lighting Demolition Plan
Scale: 1/4" = 1'-0"

Key Notes:

- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
- EXISTING RANGE TO BE REMOVED, DISCONNECT & REMOVE POWER BACK TO SOURCE
- EXISTING CONVECTION OVEN TO BE REMOVED, DISCONNECT & REMOVE POWER BACK TO SOURCE (LPK-2/20,22,24)
- EXISTING KITCHEN HOOD TO BE REMOVED, DISCONNECT & REMOVE POWER FOR LIGHTING BACK TO SOURCE (LPK-1/10)
- EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM TO BE REMOVED, DISCONNECT & REMOVE FIRE ALARM CONNECTION, MAINTAIN FOR RECONNECTION TO REPLACEMENT SUPPRESSION SYSTEM
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING HEAT DETECTORS
- EXISTING EXHAUST FAN TO BE REMOVED, DISCONNECT & REMOVE POWER BACK TO SOURCE (PANEL PRMB-2 IN FAN ROOM); MAINTAIN CIRCUIT FOR RECONNECTION TO REPLACEMENT FAN
- DISCONNECT POWER SOURCE TO UNIT HEATER AND TEMPORARILY SECURE UNTIL RECONNECTION



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Consultant

BLAKE ENGINEERING PLLC
BLAKE ENGINEERING PLLC
1000 WEST 10TH AVENUE SUITE 200
DENVER, CO 80202

Project Title

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
LIME KILN ELEMENTARY SCHOOL

Professional Seal

STATE OF NEW YORK
JAMES W. GEORGE, JR.
000039
LICENSED PROFESSIONAL ENGINEER

DATE	DESCRIPTION

Drawn By: MGB

Checked By: MGB

Proj. #: 50-04-02-067-999-005

CSArch Proj. #: 209-2003.01

Issued for Bid: 05/13/23

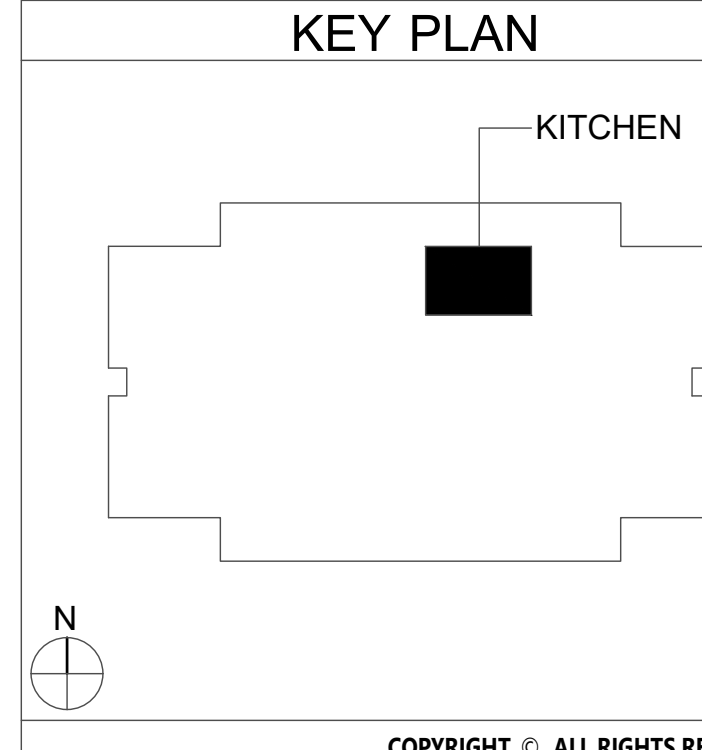
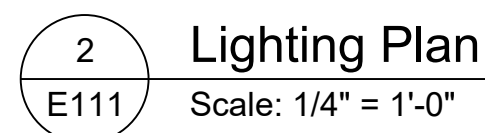
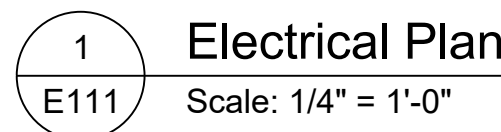
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ELECTRICAL
DEMOLITION
PLANS

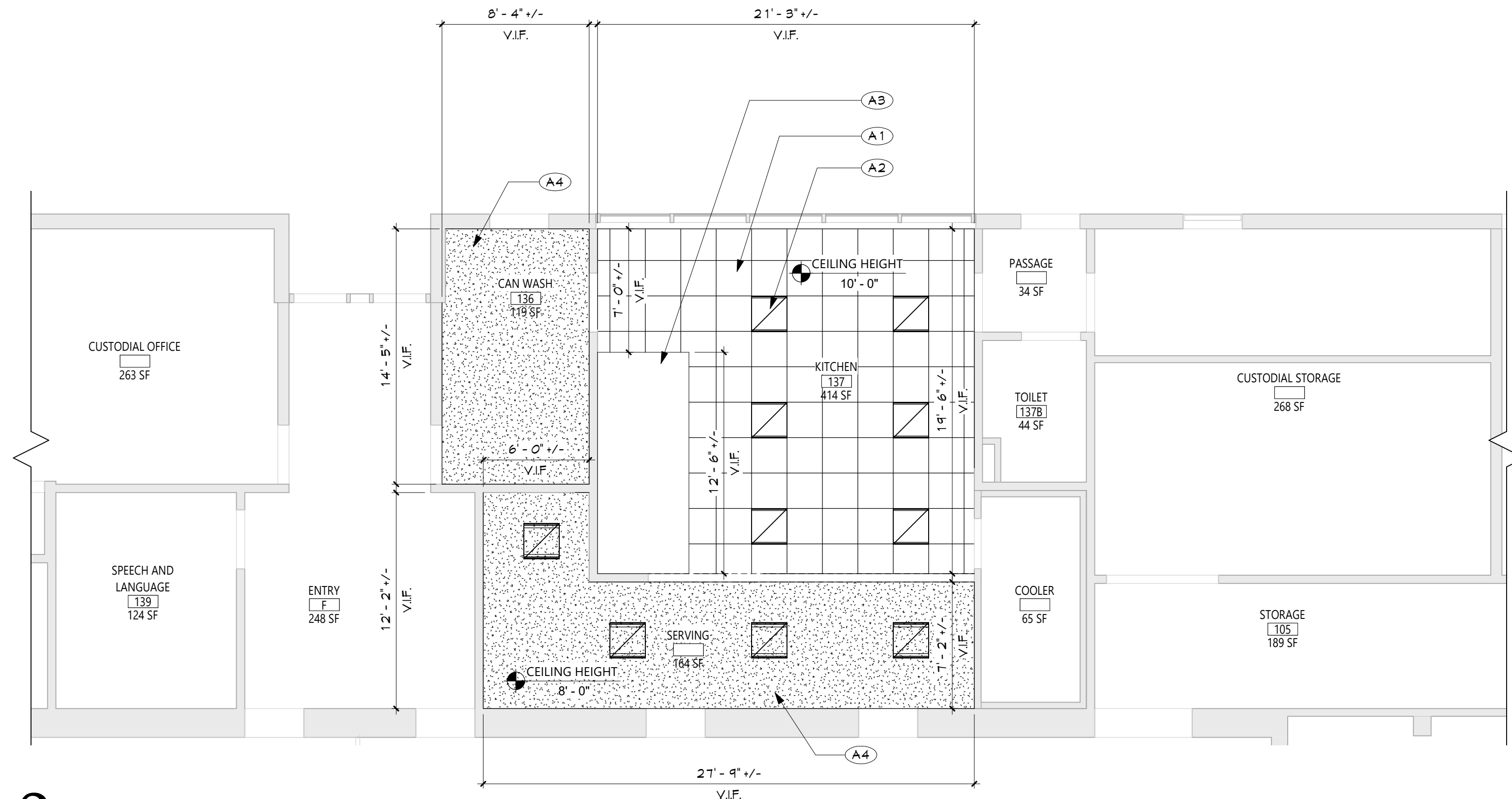
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E101

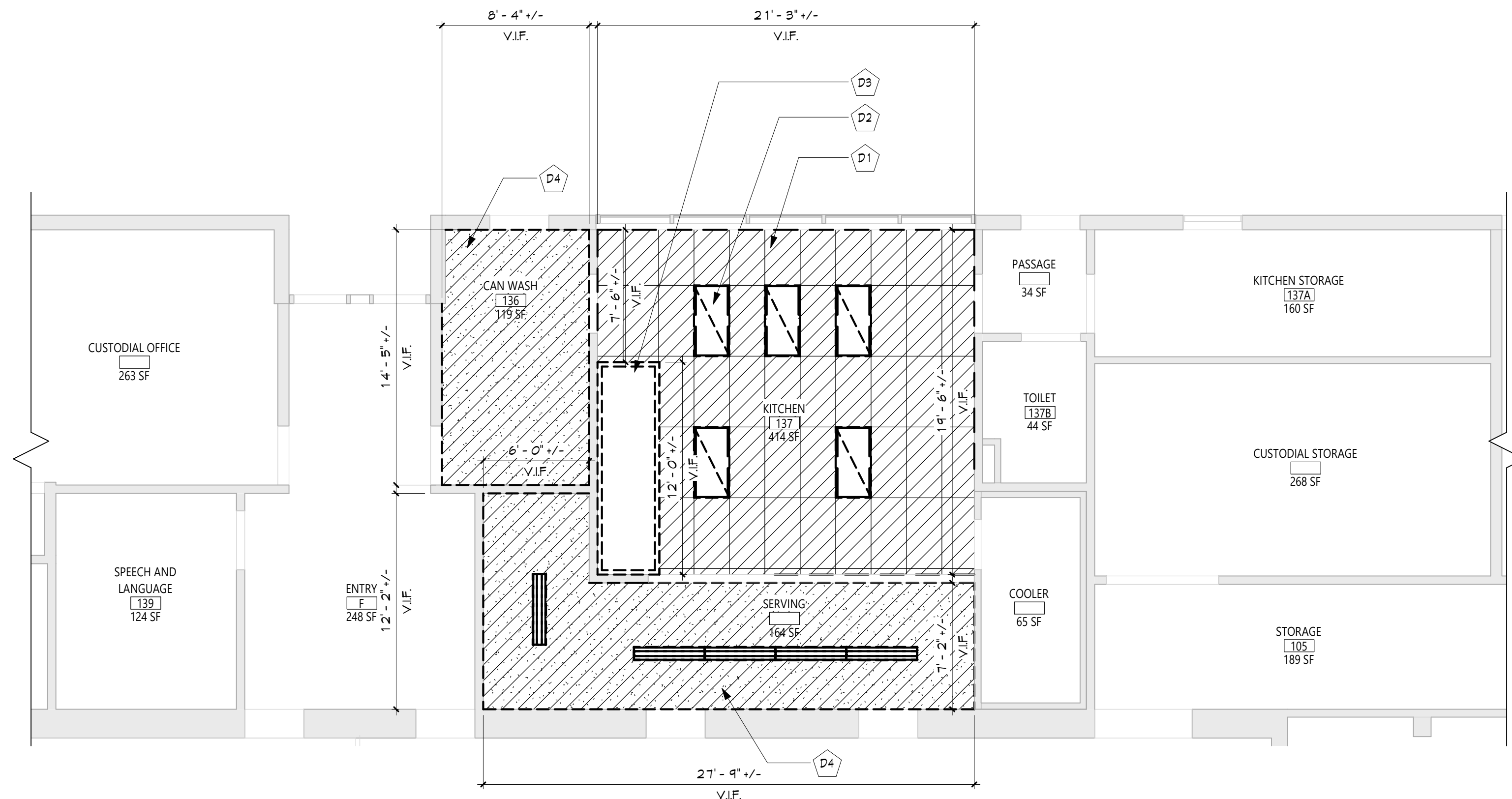
CONSTRUCTION DOCUMENTS



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2 KITCHEN - NEW WORK REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



1 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO, IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND

- EXISTING PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- EXISTING PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
- CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND

- EXISTING GNB/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- NEW GNB CEILING
- NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- FENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED HEAT DETECTOR
- CEILING MOUNTED PA SPEAKER
- CEILING MOUNTED SECURITY J-BOX
- CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

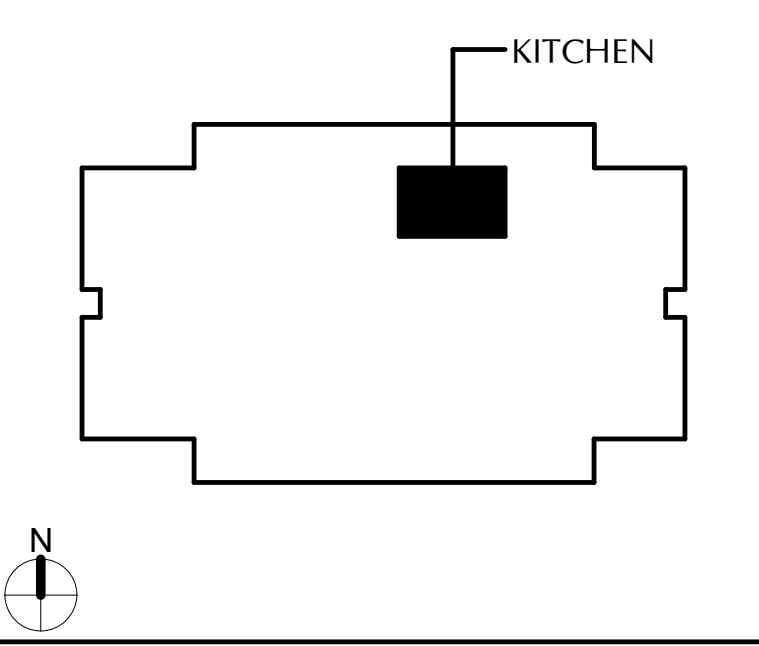
DEMOLITION KEY NOTES

DESCRIPTION
D1 REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH ABATEMENT AND MECH DWGS.
D2 EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.
D3 EXIST. KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.
D4 REMOVE EXIST. PLASTER CLG. TO ACCOMMODATE MECH DEMO WORK. COORDINATE WITH ABATEMENT AND MECH DWGS.

NEW WORK KEY NOTES

DESCRIPTION
A1 PROVIDE NEW SUSPENDED CLG. COORD. WITH NEW MECH WORK. SEE SPECS.
A2 NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS.
A3 NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS.
A4 PROVIDE NEW GYP. BD. CLG. GC TO COORDINATE WITH MC.

KEY PLAN



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EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
ELMWOOD ELEMENTARY SCHOOL

Project Title



DATE	DESCRIPTION
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Drawn By: CSA
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Proj. #: 50-04-02-86-7-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

Sheet Title

ENLARGED
KITCHEN
PLANS

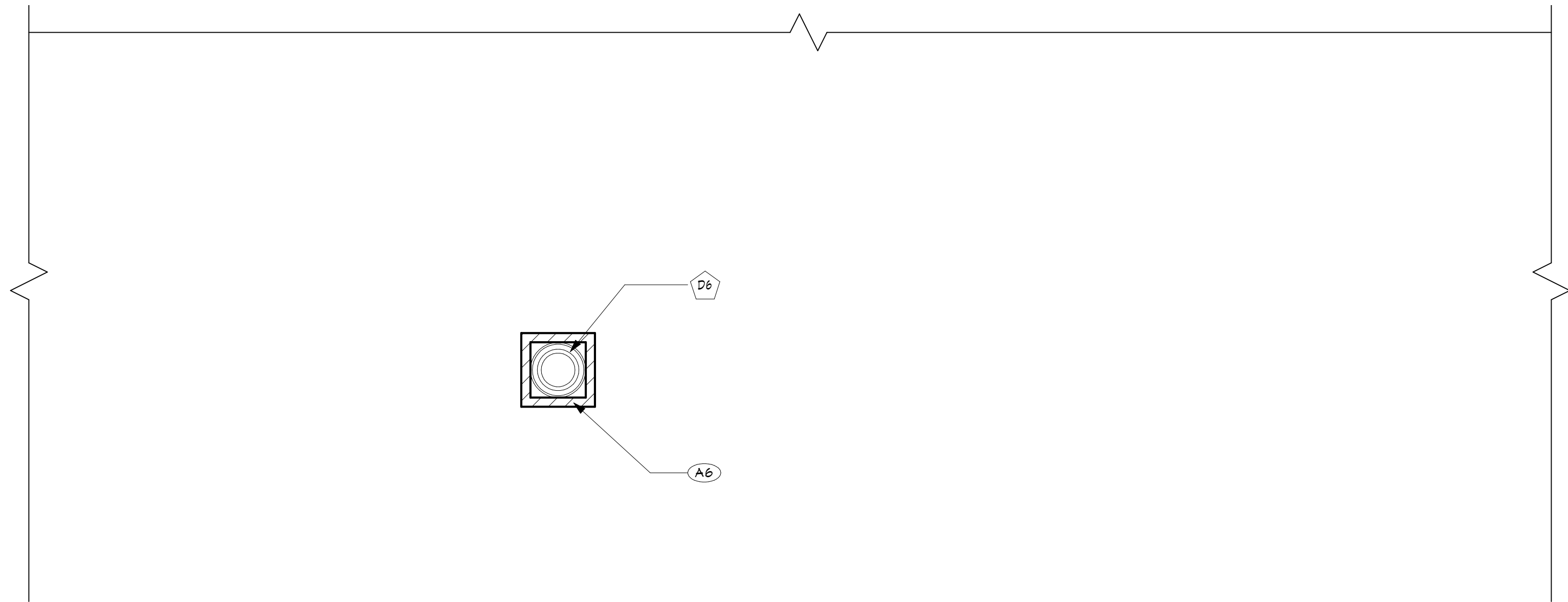
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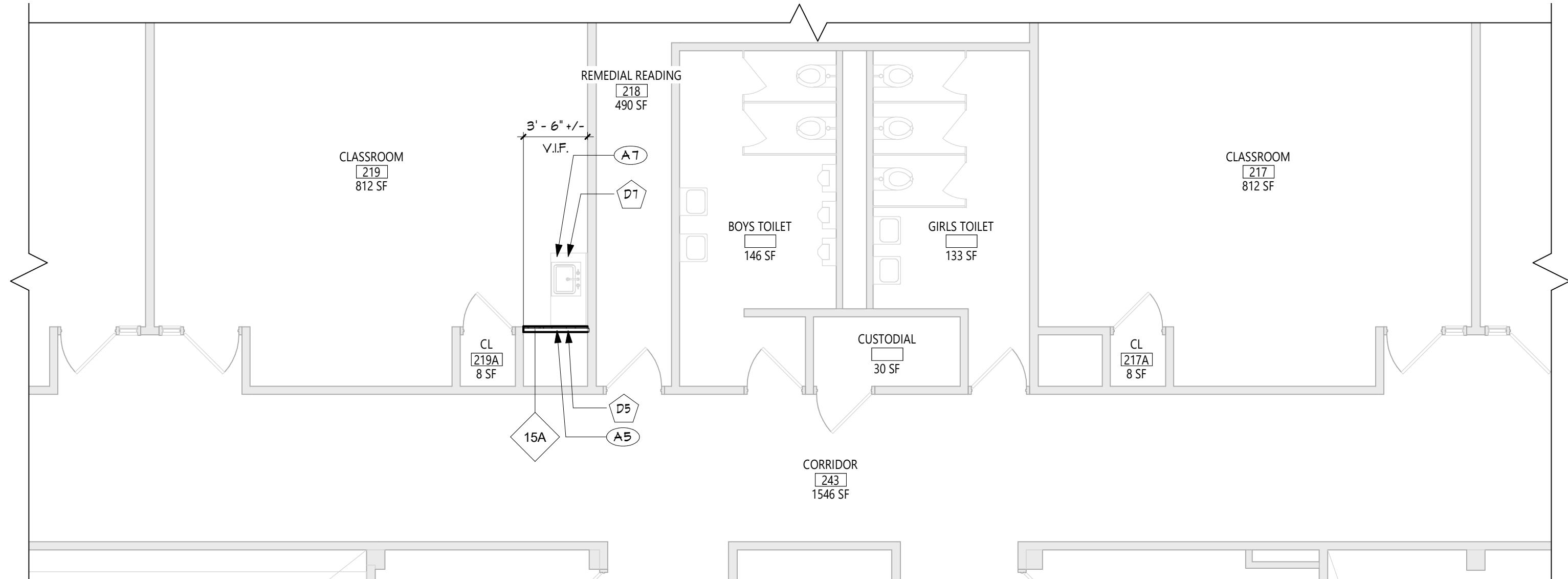
CONSTRUCTION DOCUMENTS

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2 PARTIAL ROOF PLAN (ABOVE KITCHEN)
A102 3/16" = 1'-0"



1 PARTIAL SECOND FLOOR PLAN
A102 3/16" = 1'-0"



GENERAL NOTES	
1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES. 2. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.	
CEILING NOTES	
1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED. 2. INSTALLATION HEIGHTS OF THE CEILINGSS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD. 3. FINAL INSTALLED CEILINGSS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.	
CEILING DEMOLITION LEGEND	
	EXISTING PLASTER CEILING TO REMAIN
	EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
	EXISTING PLASTER CEILING TO BE REMOVED
	EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
	CEILING HEIGHT ABOVE FINISHED FLOOR
CEILING NEW WORK LEGEND	
	EXISTING GWB/PLASTER CEILING TO REMAIN
	EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
	NEW GWB CEILING
	NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
	CEILING HEIGHT ABOVE FINISHED FLOOR
ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.	
	2'X4' LIGHT FIXTURE
	2'X2' LIGHT FIXTURE
	1'X LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	RECESSED DOWN LIGHT
	CEILING MOUNTED EXIT SIGN
	CEILING MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED SMOKE DETECTOR
	CEILING MOUNTED HEAT DETECTOR
	CEILING MOUNTED PA SPEAKER
	CEILING MOUNTED SECURITY J-BOX
	CEILING MOUNTED MOTION SENSOR
	CEILING MOUNTED DATA J-BOX
MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.	
	HVAC SUPPLY GRILLE
	HVAC RETURN GRILLE

DEMOLITION KEY NOTES	
KEY	DESCRIPTION
D5	REMOVE PORTION OF INTERIOR PARTITION TO ACCOMMODATE MECH DEMO WORK. COORDINATE WITH ABATEMENT AND MECH DWGS.
D6	EXIST. EXHAUST FAN ON ROOF TO BE REMOVED. EXISTING ROOF OPENING TO REMAIN. SEE MECH DWGS FOR DETAILS.
D7	TEMPORARILY REMOVE EXIST. CASEWORK, COUNTERTOP, AND SINK TO ACCOMMODATE MECH WORK. GC TO COORD. W/ MC.

NEW WORK KEY NOTES	
KEY	DESCRIPTION
A5	INFILL, PATCH, SAND, & PAINT TO MATCH EXIST. GC TO COORD. WITH MC. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS.
A6	NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE W/ MC FOR LOCATION AND SIZE.
A7	REINSTALL EXIST. CASEWORK, COUNTERTOP, AND SINK. GC TO COORD. WITH MC.

KEY PLAN	
	KITCHEN
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EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
ELMWOOD ELEMENTARY SCHOOL

Project Title

1	DATE	DESCRIPTION
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Drawn By:	CSA
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Proj. #:	50-04-02-86-7-999-005
CSArch Proj. #:	209-2003.01
Issued for Bid:	05/13/22

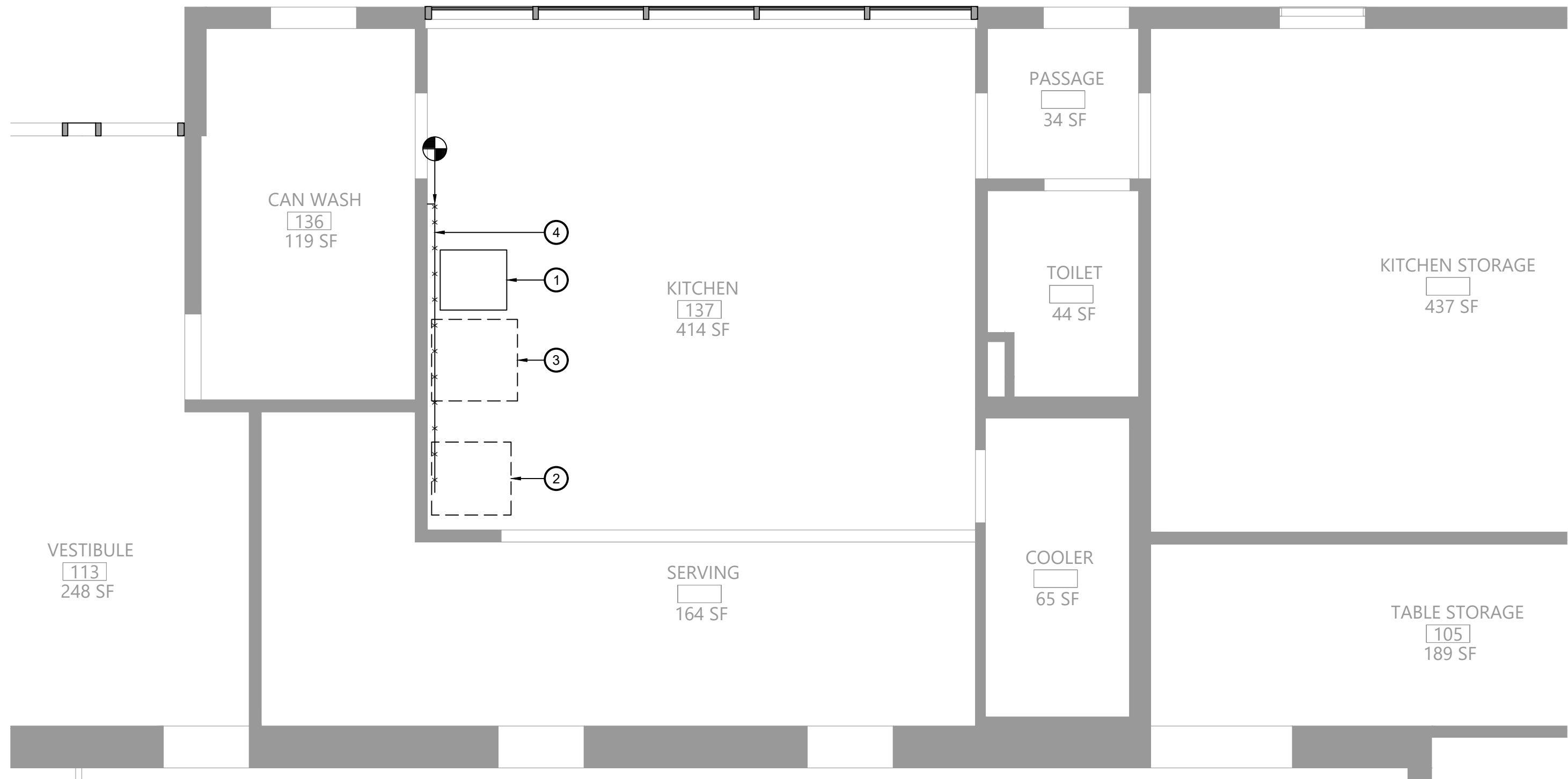
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PARTIAL
SECOND FL
AND ROOF
PLANS

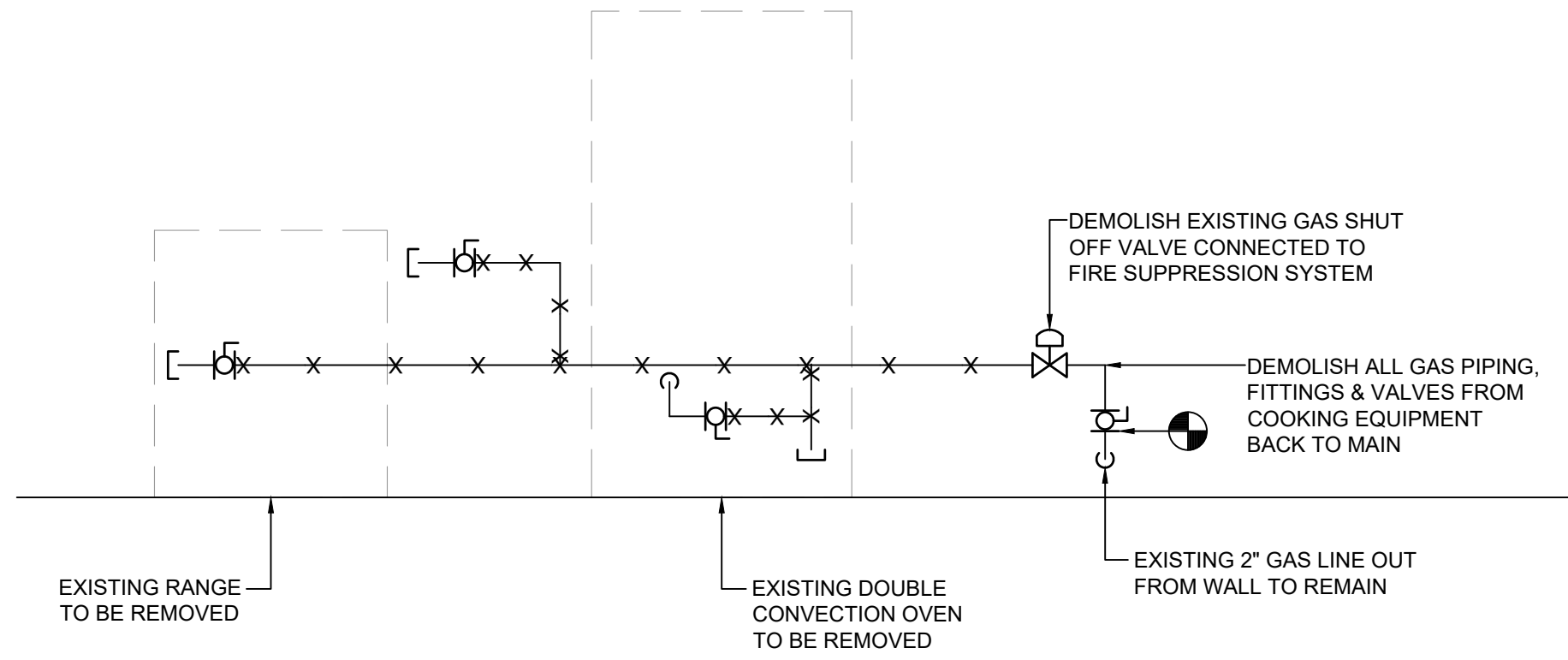
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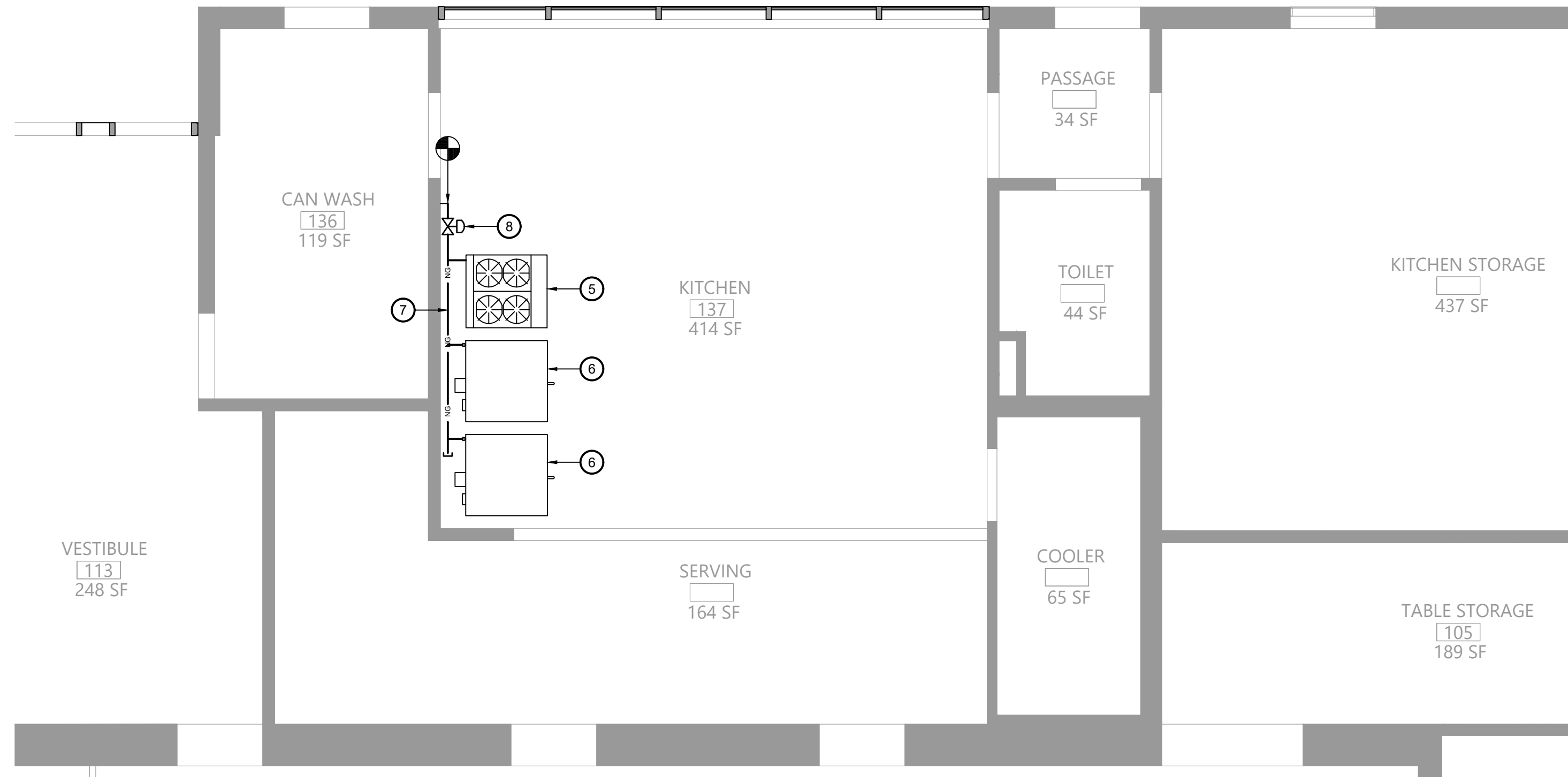
CONSTRUCTION DOCUMENTS



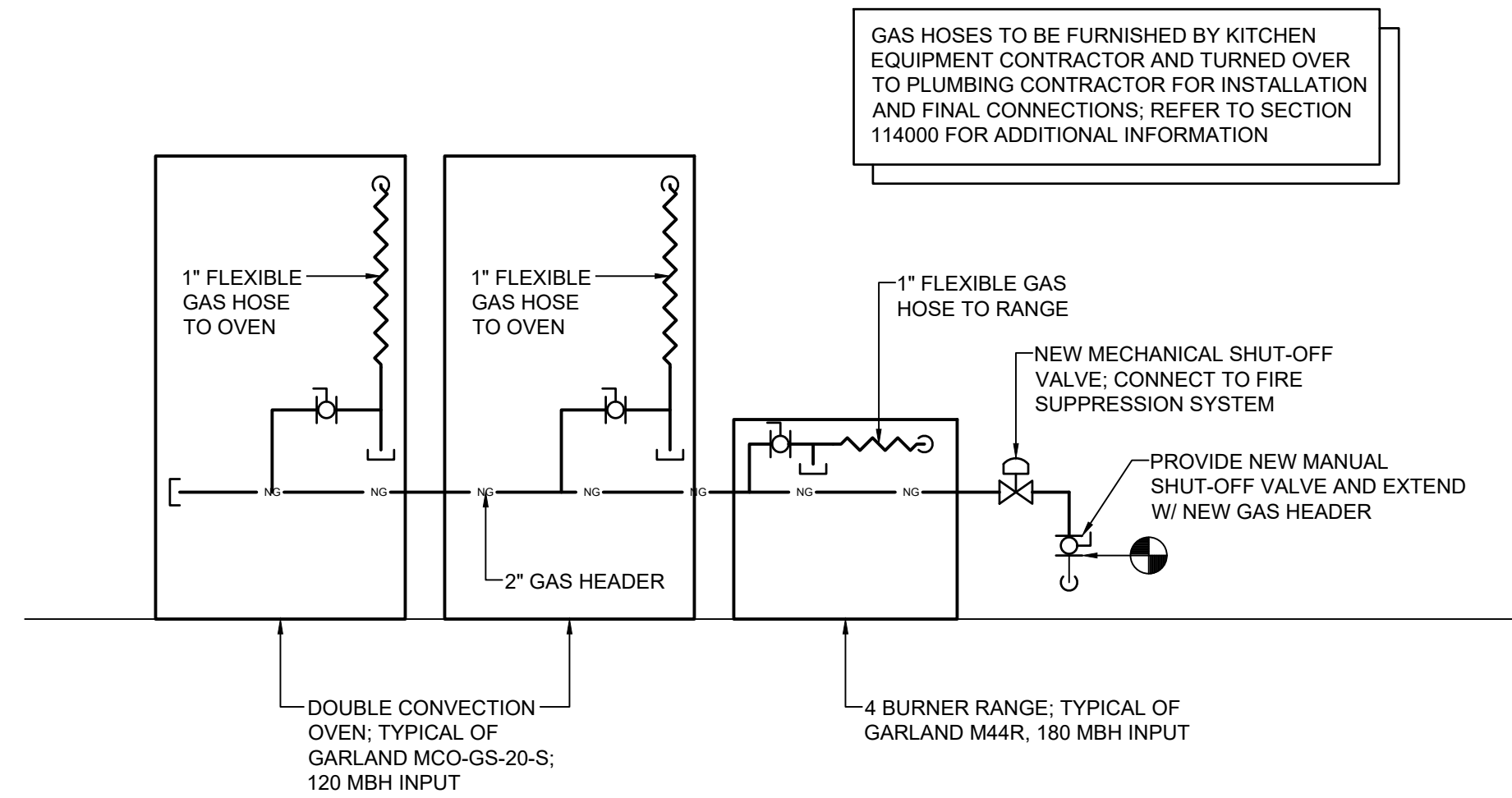
1 Plumbing Demolition Plan
P111 Scale: 1/4" = 1'-0"



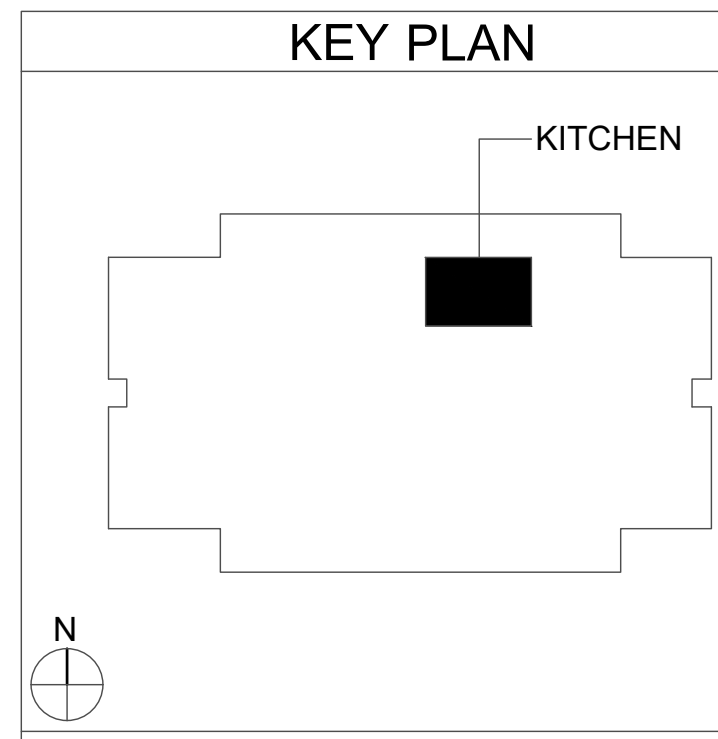
2 Gas Piping Demolition Diagram
P111 N.T.S.



3 Plumbing Plan
P111 Scale: 1/4" = 1'-0"



4 Gas Piping Diagram
P111 N.T.S.



- Key Notes:**
- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
 - EXISTING RANGE TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - EXISTING CONVECTION OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
 - 4 BURNER RANGE TYPICAL OF GARLAND M44R; 180 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - PROVIDE 2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS
 - PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM

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BLAKE ENGINEERING PLLC
REGISTERED PROFESSIONAL ENGINEER
NEW YORK STATE LICENSE NO. 080073

Consultant

B

BLAKE ENGINEERING PLLC
REGISTERED PROFESSIONAL ENGINEER
NEW YORK STATE LICENSE NO. 080073

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
ELMWOOD ELEMENTARY SCHOOL

Project Title

STATE OF NEW YORK
JAMES T. GEORGE, JR.
COUNTY OF ALBANY
LICENSED PROFESSIONAL ENGINEER
080073

DATE	DESCRIPTION

Drawn By: MGB
Checked By: MGB
Proj. #: 50-04-02-067-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

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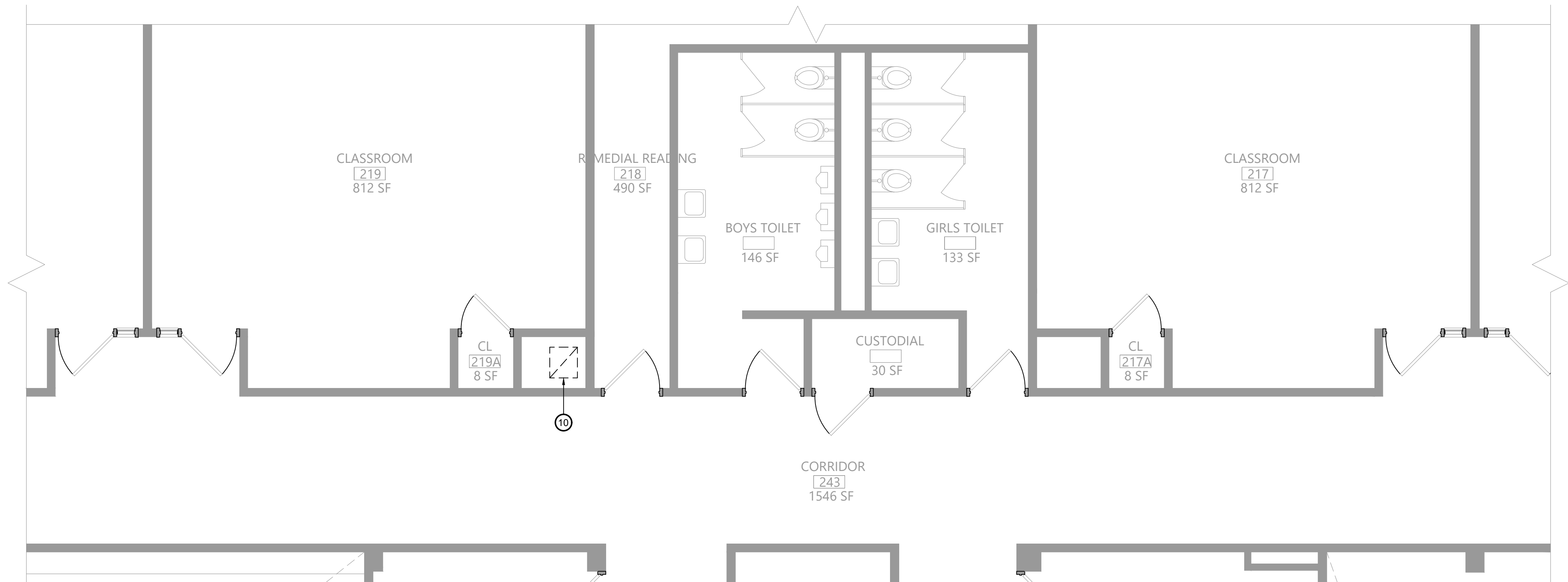
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PLUMBING
PLANS

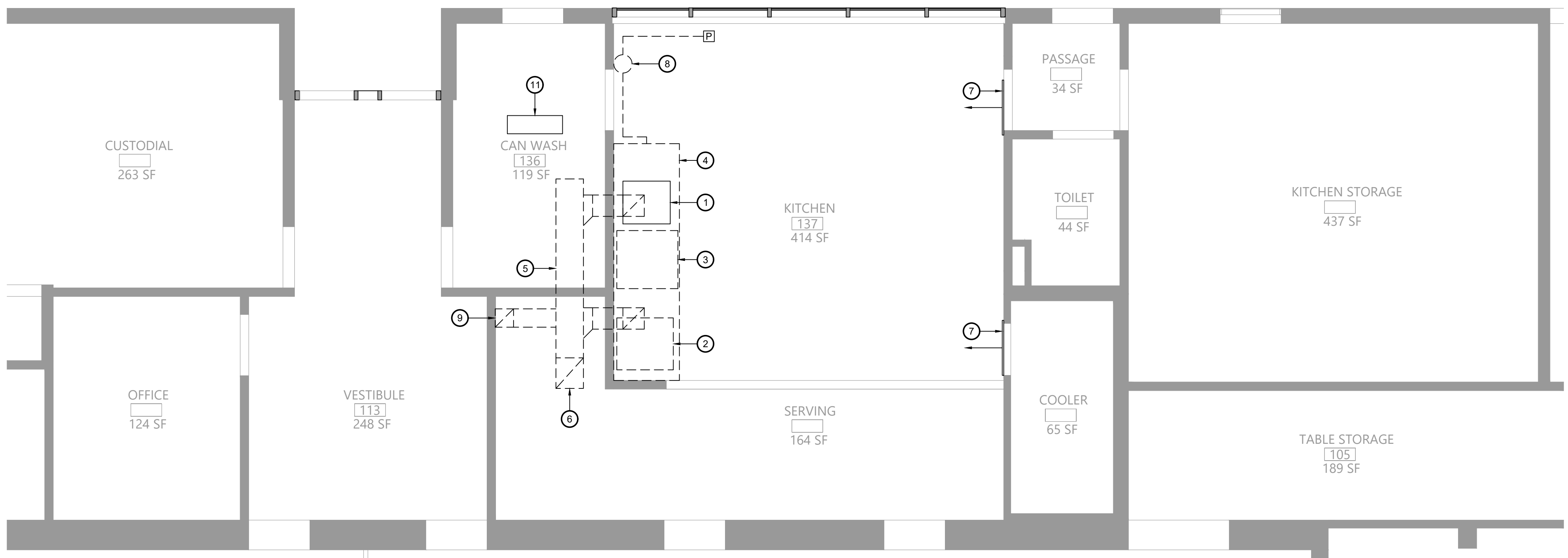
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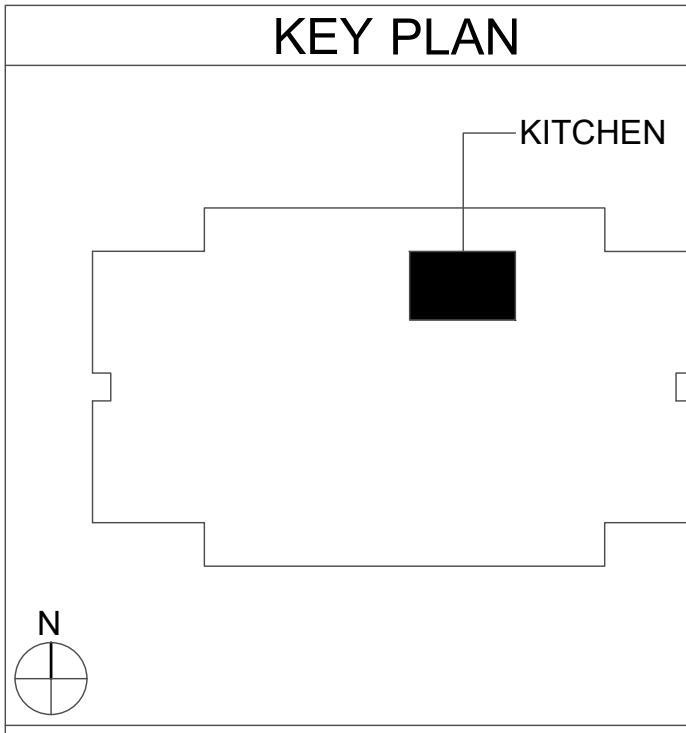


1 Second Floor Mechanical Demolition Plan
Scale: 1/4" = 1'-0"



2 First Floor Mechanical Demolition Plan
Scale: 1/4" = 1'-0"

- Key Notes:**
- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
 - EXISTING RANGE TO BE REMOVED
 - EXISTING CONVECTION OVEN TO BE REMOVED
 - EXISTING KITCHEN HOOD TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
 - EXISTING EXHAUST DUCTWORK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
 - EXISTING EXHAUST DUCTWORK UP INTO CHASE ABOVE; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ENTIRE RISER UP TO ROOF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
 - EXISTING MAKEUP AIR GRILLE TO REMAIN
 - EXISTING FIRE SUPPRESSION SYSTEM TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ENTIRE SYSTEM INCLUDING TANK, CONTROL HEAD, PIPING, CONDUIT, CABLING, PULL STATION, NOZZLES
 - EXISTING CEILING EXHAUST GRILLE AND ASSOCIATED DUCTWORK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF
 - DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING KITCHEN HOOD EXHAUST DUCT WITHIN CHASE AND THE EXHAUST FAN AND CURB ON THE ROOF;
 - DISCONNECT, REMOVE & STORE EXISTING HOT WATER UNIT HEATER TO ALLOW FOR REMOVAL OF CEILING; TEMPORARILY CAP HW PIPING AND MAINTAIN FOR RECONNECTION



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B

Project Title

**EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
ELMWOOD ELEMENTARY SCHOOL**

Project Title

**EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
ELMWOOD ELEMENTARY SCHOOL**

STATE OF NEW YORK
JAMES A. HANCOCK
REGISTERED PROFESSIONAL ENGINEER
069979

DATE	DESCRIPTION

Drawn By: MGB
Checked By: MGB
Proj. #: 50-04-02-067-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

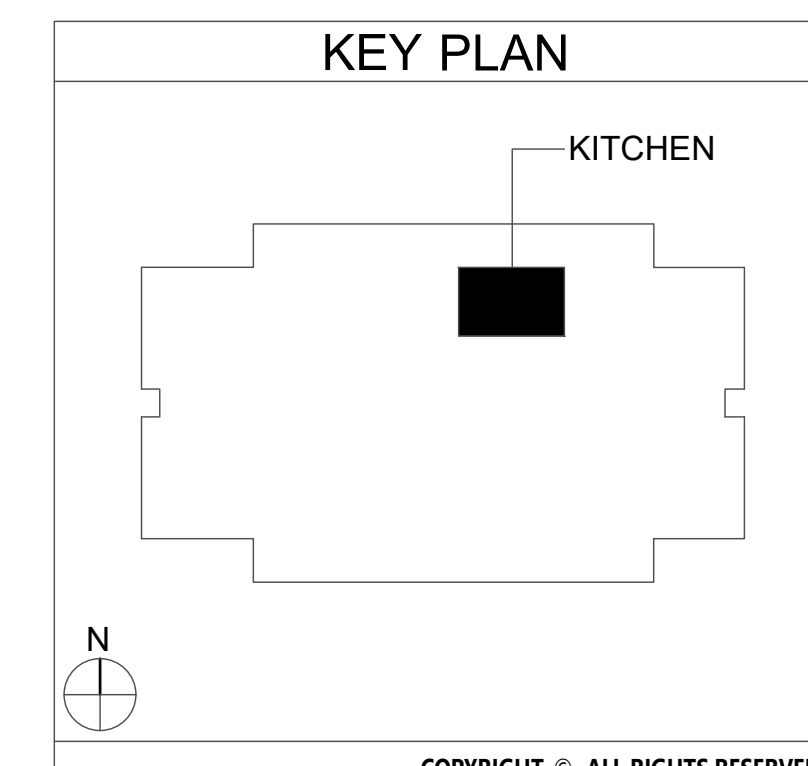
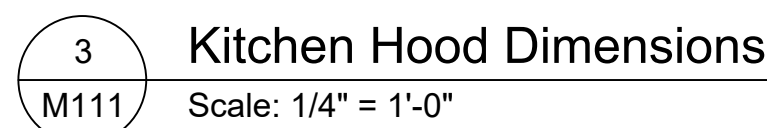
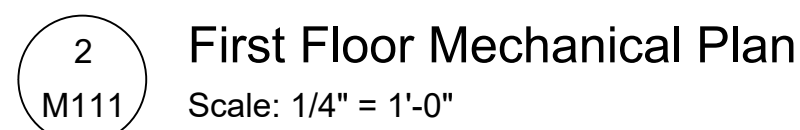
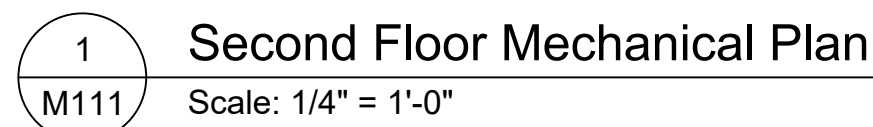
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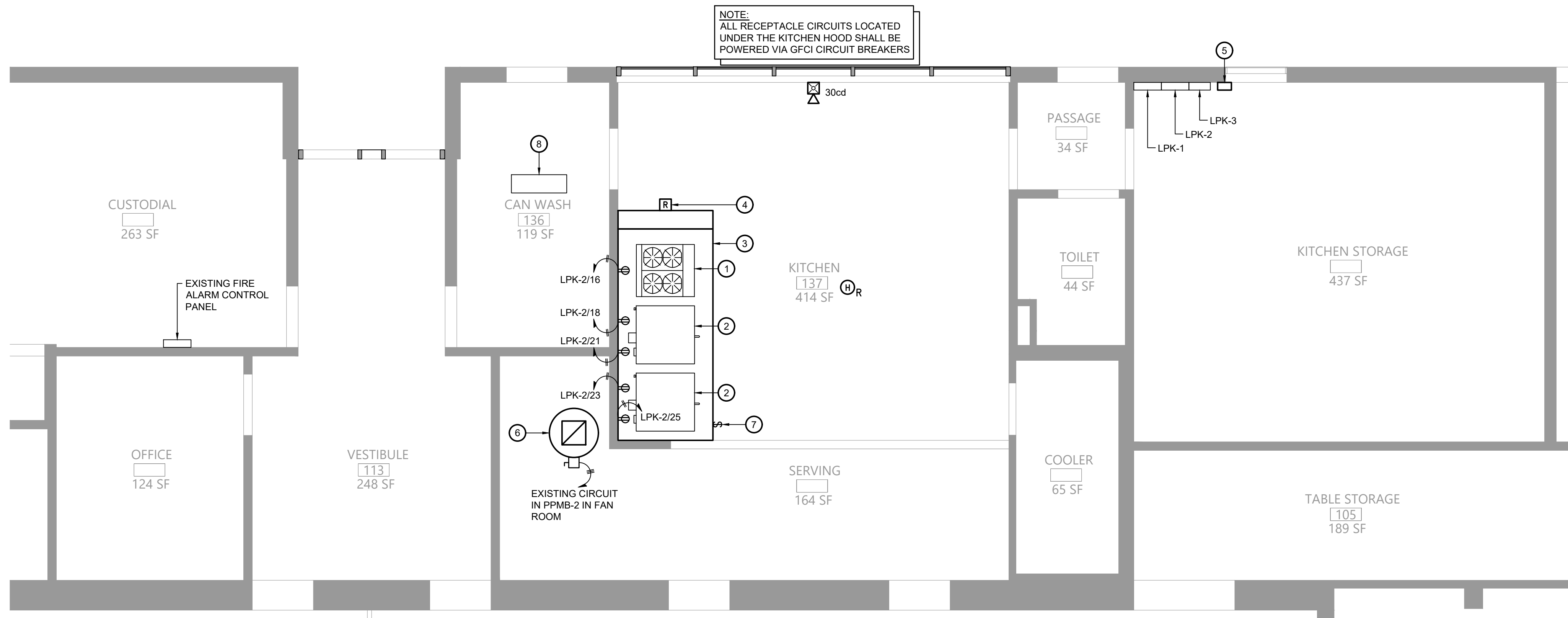
**MECHANICAL
DEMOLITION
PLANS**

Sheet No.

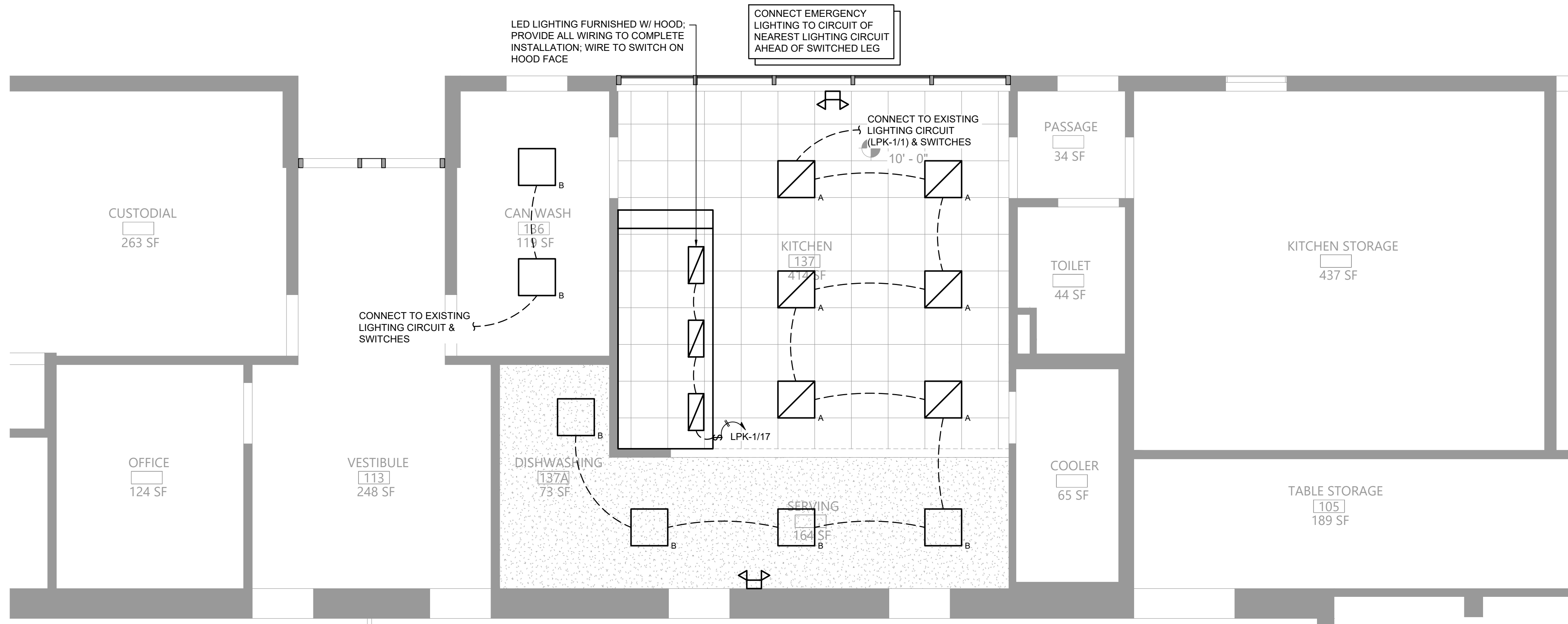
**EWES
M101**

CONSTRUCTION DOCUMENTS





1
E111
Electrical Plan
Scale: 1/4" = 1'-0"



2
E111
Lighting Plan
Scale: 1/4" = 1'-0"

Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT; 120V W/ (1) NEMA 5-15P PLUG, 3.4A
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT; 120V W/ (2) NEMA 5-15P PLUGS, 9.8A EACH
- KITCHEN HOOD; PROVIDE CIRCUITS FOR LIGHTING AND HOOD CONTROLS AS SHOWN; WIRE HOOD EXHAUST FAN POWER THRU HOOD CONTROLLER; SEE WIRING DIAGRAM ON SHEET EG001
- UTILITY CABINET W/ HOOD CONTROLLER AND FIRE SUPPRESSION SYSTEM; CONNECT TO EXISTING BUILDING FIRE ALARM SYSTEM; SEE FIRE SUPPRESSION SYSTEM SEQUENCE OF OPERATIONS ON SHEET EG001
- REMOTE CONTROL SWITCH IN ENCLOSURE TYPICAL OF ASCO 918 OR ACCEPTABLE EQUAL; 6 N/O AND 6 N/C CONTACTS; 120V CONTROL VOLTAGE; WIRE ALL CIRCUITS UNDER KITCHEN HOOD THRU CONTROL SWITCH; CONNECT TO HOOD CONTROLLER FOR CONTROL CIRCUIT & SHUNT TRIP
- PROVIDE CIRCUIT TO NEW EXHAUST FAN; CONNECT TO EXISTING PANEL (PPMB-2 IN FAN ROOM); RUN POWER THRU HOOD AND THEN UP INSIDE 2ND FLOOR DUCT CHASE TO THE FAN ON THE ROOF; SEE WIRING DIAGRAM ON SHEET EG001
- EXHAUST FAN MANUAL SWITCH MOUNTED ON FACE OF HOOD; WIRE EXHAUST FAN POWER THRU CONTROLLER IN HOOD UTILITY CABINET
- RECONNECT EXISTING ELECTRICAL CIRCUIT TO UNIT HEATER

120/208V 3Ø 4W+G				BUS RATING: 125A				MLO			
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD	
KITCHEN LIGHTING	(2) #12 CU & (1) #12 GND.	20	1	-	-	-	2	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	3	-	-	-	4	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	5	-	-	-	6	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	7	-	-	-	8	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	9	-	-	-	10	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	11	-	-	-	12	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	13	-	-	-	14	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	15	-	-	-	16	20	EXISTING	EXISTING	
KITCHEN HOOD LIGHTING	(2) #12 CU & (1) #12 GND.	20	17	-	-	-	18	20	EXISTING	EXISTING	
HOOD CONTROL CIRCUIT	(2) #12 CU & (1) #12 GND.	20	19	-	-	-	20	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	21	-	-	-	22	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	23	-	-	-	24	20	EXISTING	EXISTING	
EMPIRE PANEL				-	-	-	- KVA TOTAL				

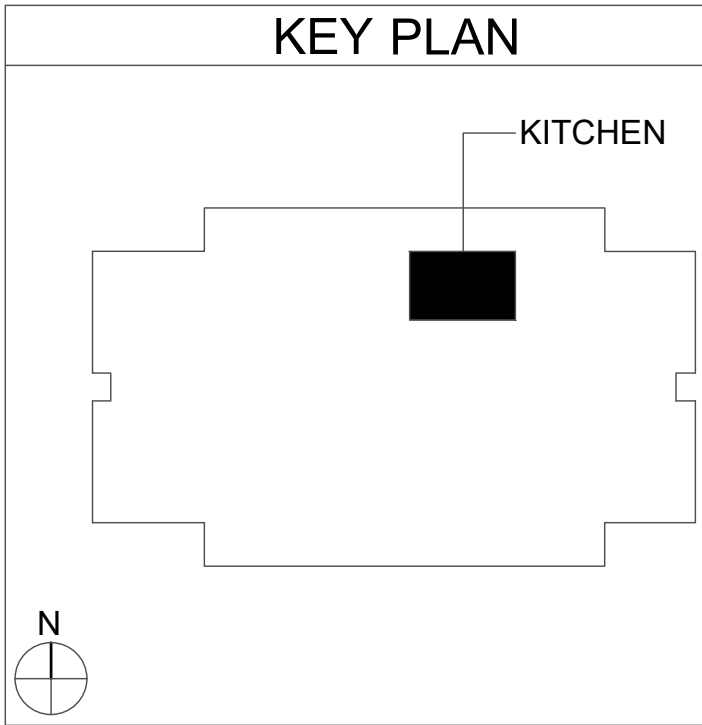
- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY; CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

3
E111
Existing Kitchen Panelboard LPK-1
Scale: None

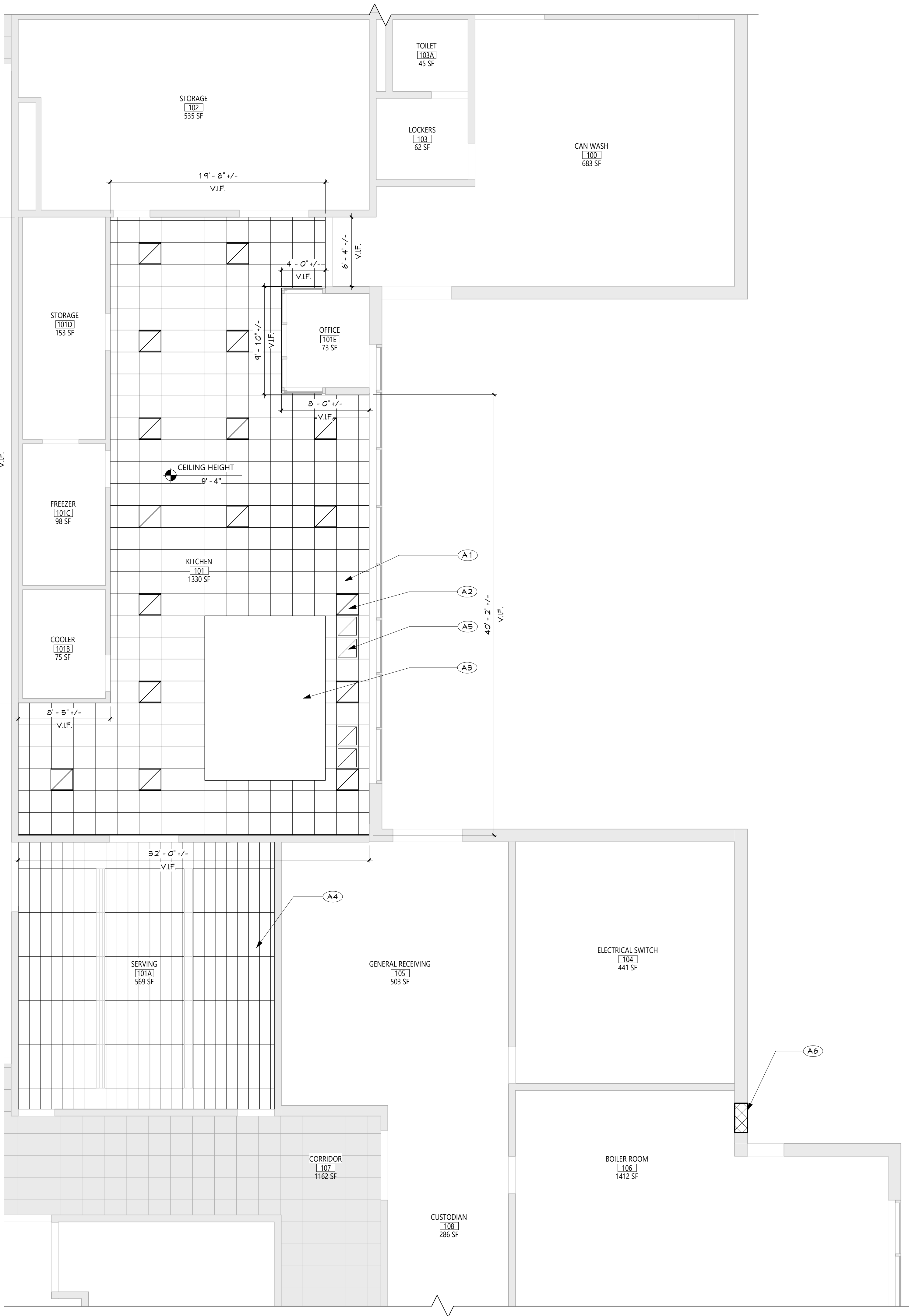
120/208V 3Ø 4W+G				BUS RATING: 125A						MLO	
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER CAPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER CAPACITY	CONDUCTORS	CONNECTED LOAD	
EXISTING	EXISTING	20	1	-	-	-	2	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	3	-	-	-	4	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	5	-	-	-	6	20	EXISTING	EXISTING	
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EXISTING	EXISTING	20	9	-	-	-	10	20	EXISTING	EXISTING	
			11	-	-	-	12	20	EXISTING	EXISTING	
			13	-	-	-	14	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	15	-	-	-	16	20	(2) #12 CU & (1) #12 GND.	RANGE	
			17	-	-	-	18	20	(2) #12 CU & (1) #12 GND.	OVEN	
OVEN	(2) #12 CU & (1) #12 GND.	20	21	-	-	-	22	15	EXISTING	EXISTING	
OVEN	(2) #12 CU & (1) #12 GND.	20	23	-	-	-	24	20	EXISTING	EXISTING	
OVEN	(2) #12 CU & (1) #12 GND.	20	25	-	-	-	26	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	27	-	-	-	28	20	EXISTING	EXISTING	
EXISTING	EXISTING	20	29	-	-	-	30	20	EXISTING	EXISTING	
EMPIRE PANEL				-	-	-	- KVA TOTAL				

- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY; CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

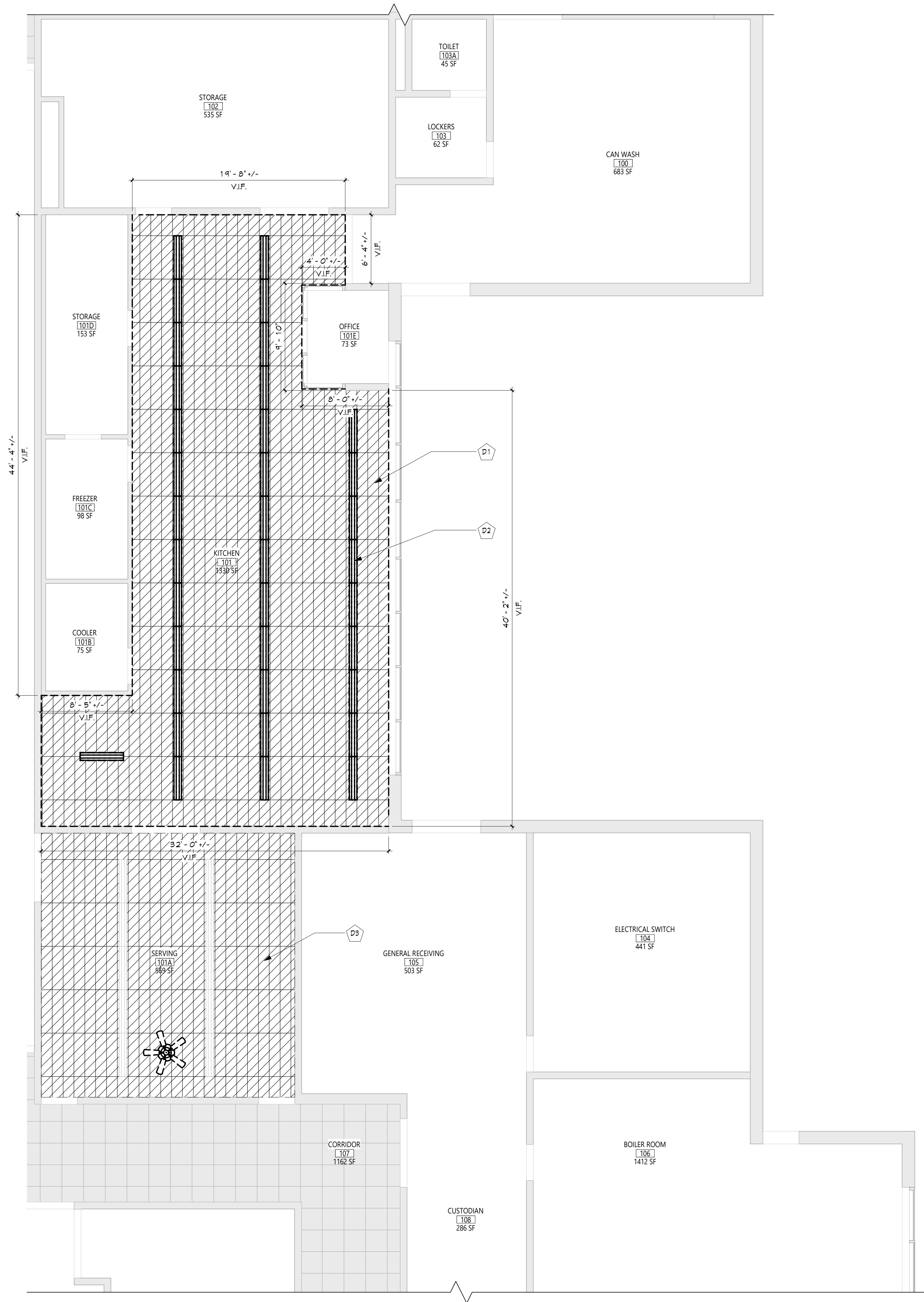
4
E111
Existing Kitchen Panelboard LPK-2
Scale: None



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2 KITCHEN - NEW WORK REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



1 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND

- EXISTING GNB/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- EXISTING GNB/PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
- CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND

- EXISTING GNB/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- NEW GNB/PLASTER CEILING
- NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2X4' LIGHT FIXTURE
- 2X2' LIGHT FIXTURE
- 1X LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED HEAT DETECTOR
- CEILING MOUNTED PA SPEAKER
- CEILING MOUNTED SECURITY J-BOX
- CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

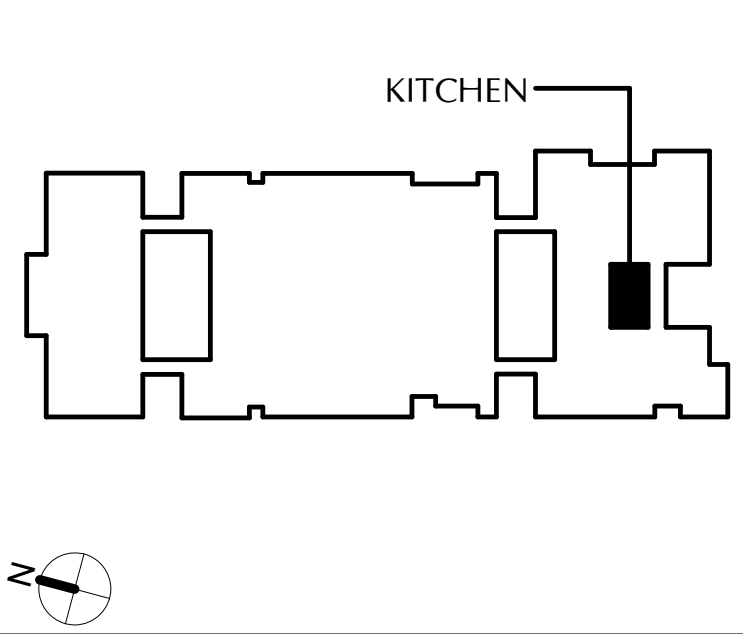
DEMOLITION KEY NOTES

- | # | DESCRIPTION |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D1 | REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH ABATEMENT AND MECH DWGS. |
| D2 | EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS. |
| D3 | TEMPORARILY REMOVE AND STORE EXIST. SUSPENDED CLG. LIGHTING FIXTURES, AND ANY OTHER CLG. FIXTURE TO ACCOMMODATE MECH DEMO WORK. COORD. W/ MECH DWGS AND MC. |

NEW WORK KEY NOTES

- | # | DESCRIPTION |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A1 | PROVIDE NEW SUSPENDED CLG. COORDINATE WITH MECH WORK. SEE SPECS. |
| A2 | NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS. |
| A3 | NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS. |
| A4 | REINSTALL EXIST. SUSPENDED CLG. LIGHTING FIXTURES, AND ANY OTHER CLG. FIXTURE. GC TO COORDINATE WITH MC. |
| A5 | INSTALL NEW CLG. TRANSFER GRILLE. SEE MECH DWGS FOR DETAILS. |
| A6 | INFILL AND PATCH EXIST. WALL OPENING W/SIMILAR MATERIAL TO MATCH EXIST. GC TO COORDINATE W/ MECH DEMO WORK. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS. |

KEY PLAN



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Consultant

EAST RAMAPO CENTRAL SCHOOL DISTRICT DISTRICT WIDE KITCHEN HOOD REPLACEMENT CHESTNUT RIDGE MIDDLE SCHOOL

Project Title



#	DATE	DESCRIPTION
1		
2		

Drawn By: CS4
Checked By: CS4
Proj. #: 50-04-02-86-7-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

Sheet Title

ENLARGED
KITCHEN
PLANS

Sheet No.

CRMS
A101

CONSTRUCTION DOCUMENTS

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1 PARTIAL ROOF PLAN
A102 3/16" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO, IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND

EXISTING GNB/PLASTER CEILING TO REMAIN
EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
EXISTING GNB/PLASTER CEILING TO BE REMOVED
EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND

EXISTING GNB/PLASTER CEILING TO REMAIN
EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
NEW GNB/PLASTER CEILING
NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

2'x4' LIGHT FIXTURE
2'x2' LIGHT FIXTURE
1'x LIGHT FIXTURE
PENDANT LIGHT FIXTURE
RECESSED DOWN LIGHT
CEILING MOUNTED EXIT SIGN
CEILING MOUNTED OCCUPANCY SENSOR
CEILING MOUNTED SMOKE DETECTOR
CEILING MOUNTED HEAT DETECTOR
CEILING MOUNTED PA SPEAKER
CEILING MOUNTED SECURITY J-BOX
CEILING MOUNTED MOTION SENSOR
CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

HVAC SUPPLY GRILLE
HVAC RETURN GRILLE

DEMOLITION KEY NOTES

D4 REMOVE SECTION OF EXIST. ROOF ASSEMBLY, INCLUDING ROOF MEMBRANE, SUBSTRATE, & DECKING TO ACCOMMODATE NEW WORK. GC TO COORDINATE WITH MC FOR LOCATION.

NEW WORK KEY NOTES

A7 NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE WITH MC FOR LOCATION AND SIZE.

KEY PLAN

KITCHEN

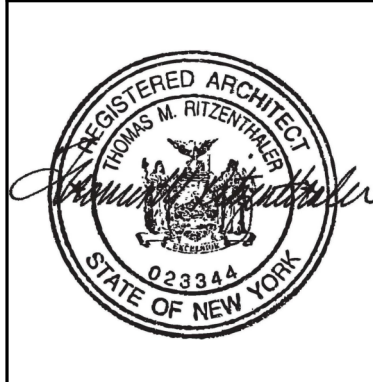
CONSTRUCTION DOCUMENTS

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Consultant

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
CHESTNUT RIDGE MIDDLE SCHOOL

Project Title



1	DATE	DESCRIPTION

Drawn By: CSA
Checked By: CSA
Proj. #: 50-04-02-06-7-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 06/13/22

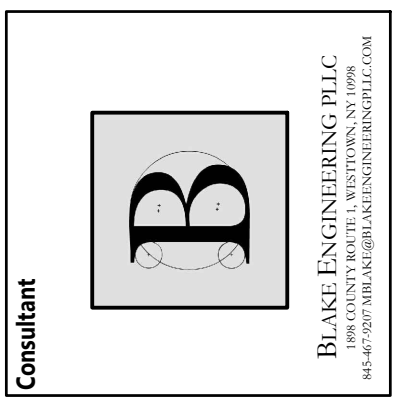
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PARTIAL ROOF PLAN

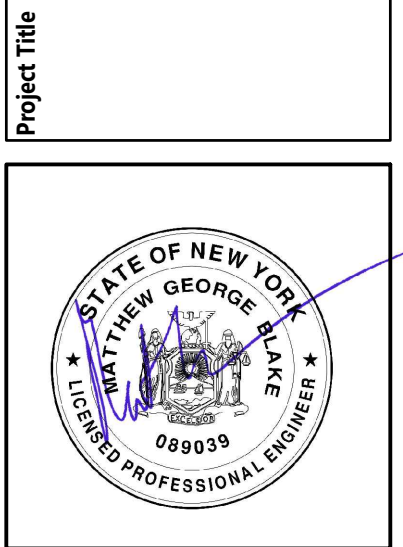
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CRMS
A102

CONSTRUCTION DOCUMENTS



EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
CHESTNUT RIDGE MIDDLE SCHOOL



DATE	DESCRIPTION

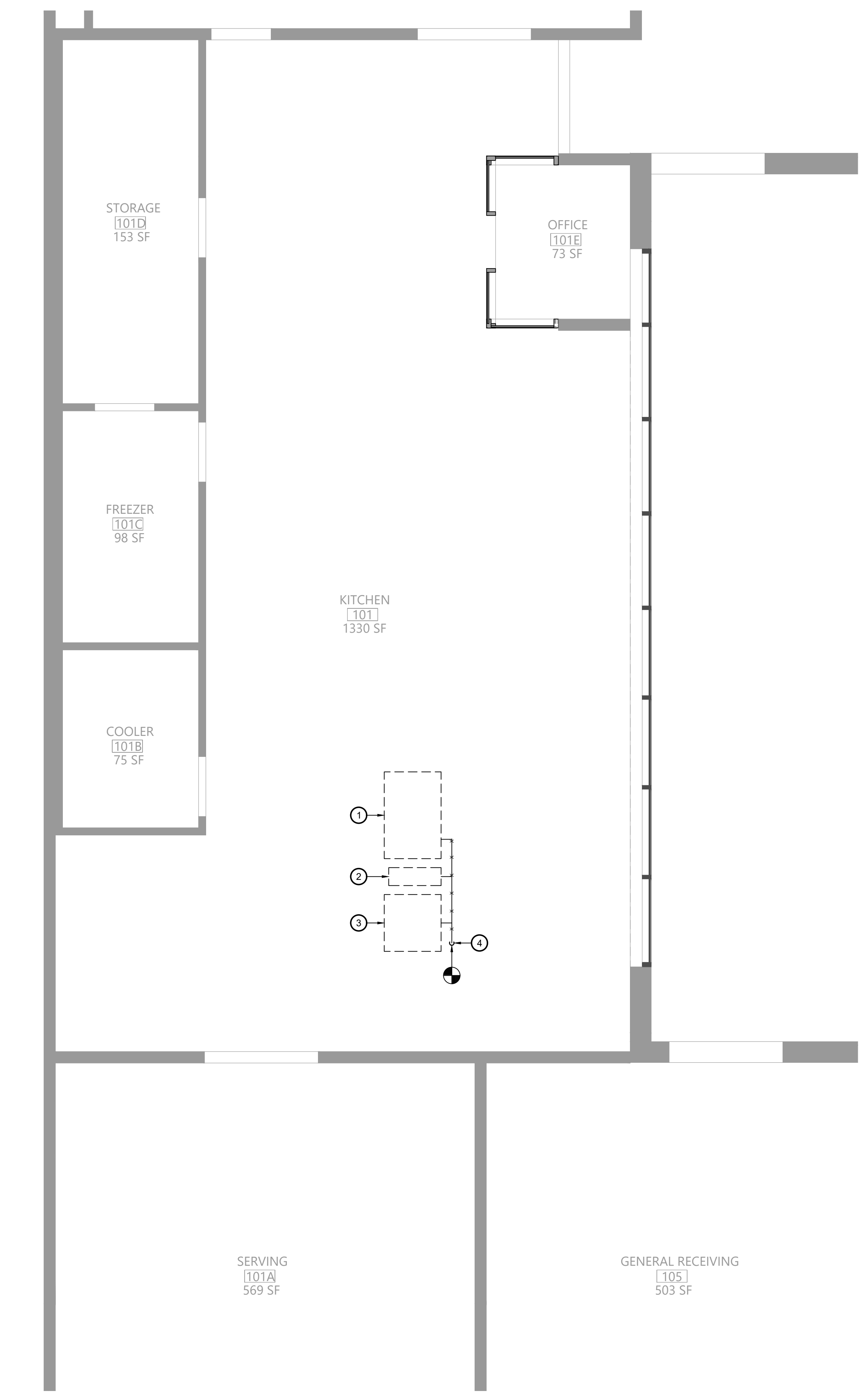
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Checked By: MGB
Proj. #: 50-04-02-06-7-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

Sheet Title
**PLUMBING
PLANS**

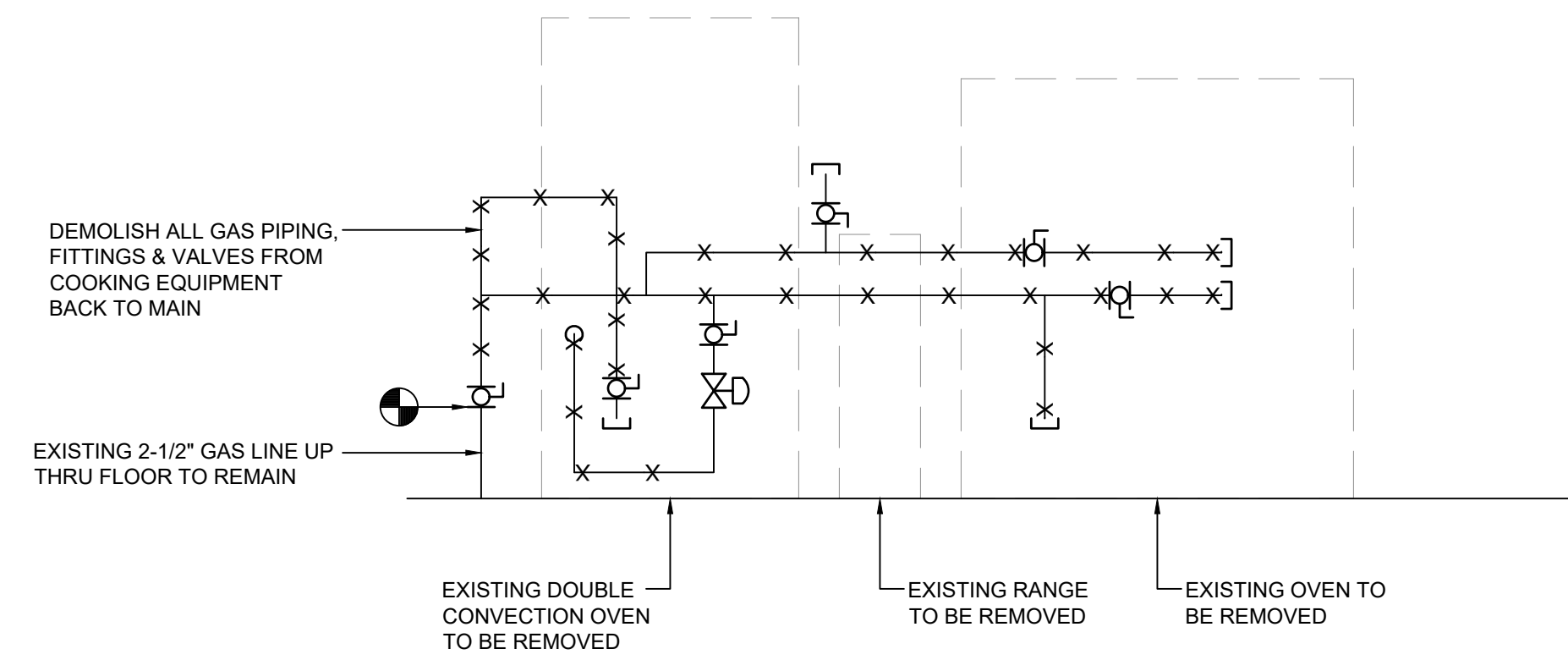
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**CRMS
P111**

CONSTRUCTION DOCUMENTS

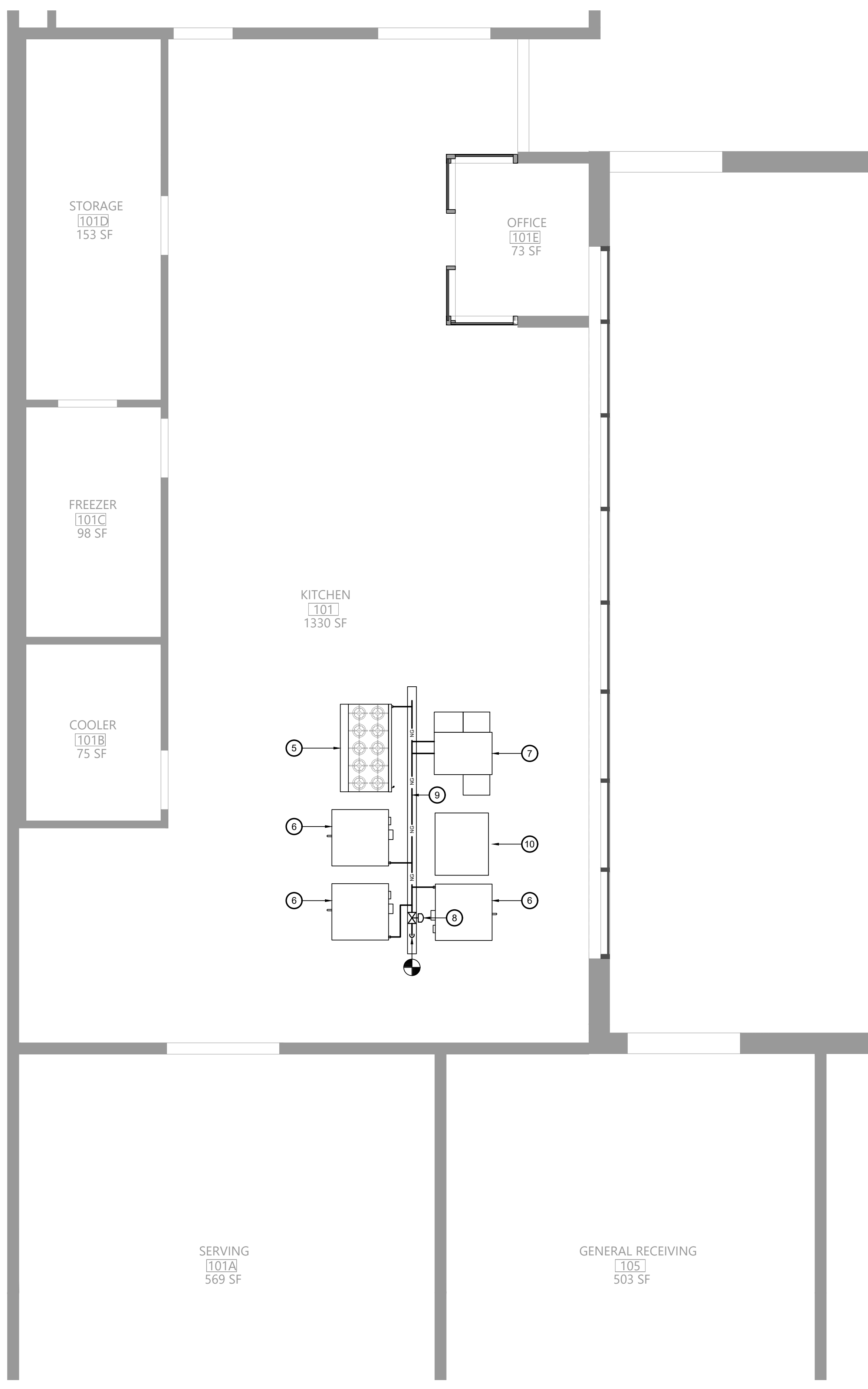
- Key Notes:**
- EXISTING OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - EXISTING RANGE TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - EXISTING OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
 - EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
 - 60" RANGE TYPICAL OF GARLAND G60-6G24RR; 310 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - PIZZA OVEN TYPICAL OF LINCOLN 1180-FB2G; 80 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
 - PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM
 - PROVIDE 2-1/2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS
 - FOOD PREP TABLE BY OTHERS



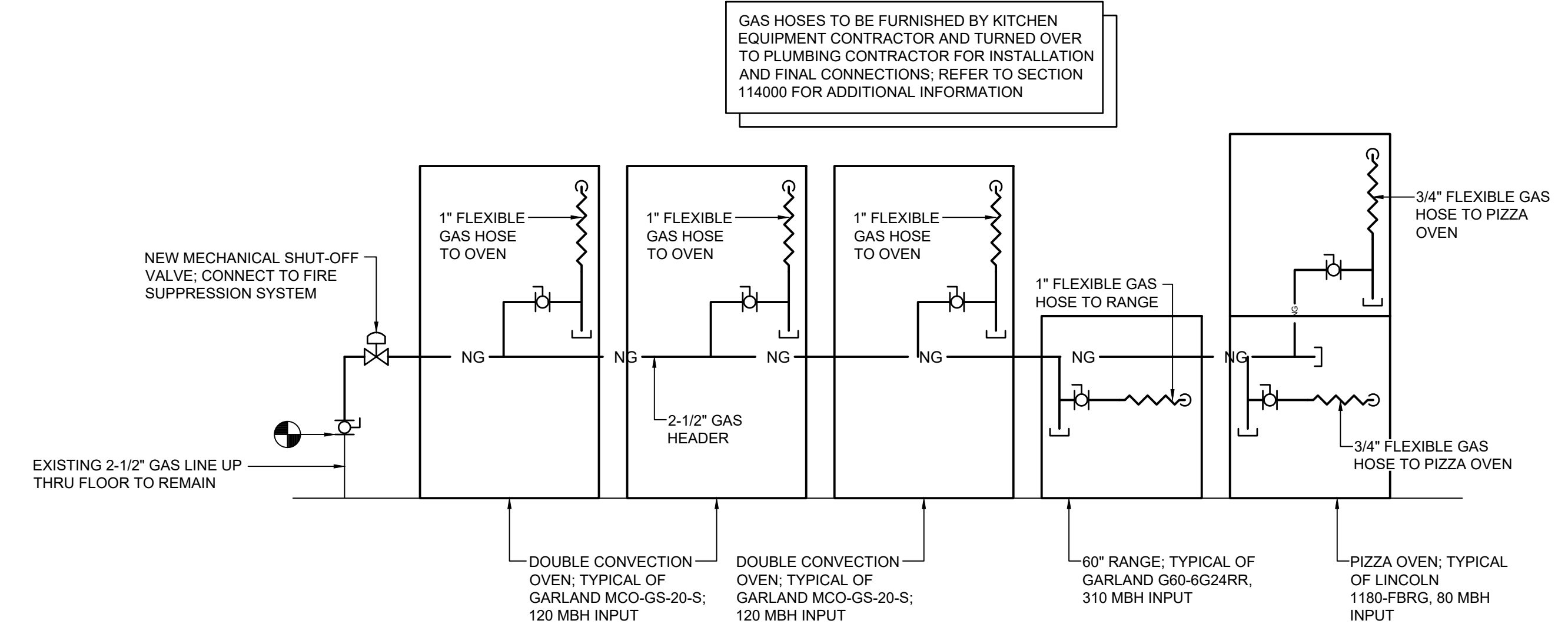
1 Plumbing Demolition Plan
Scale: 1/4" = 1'-0"



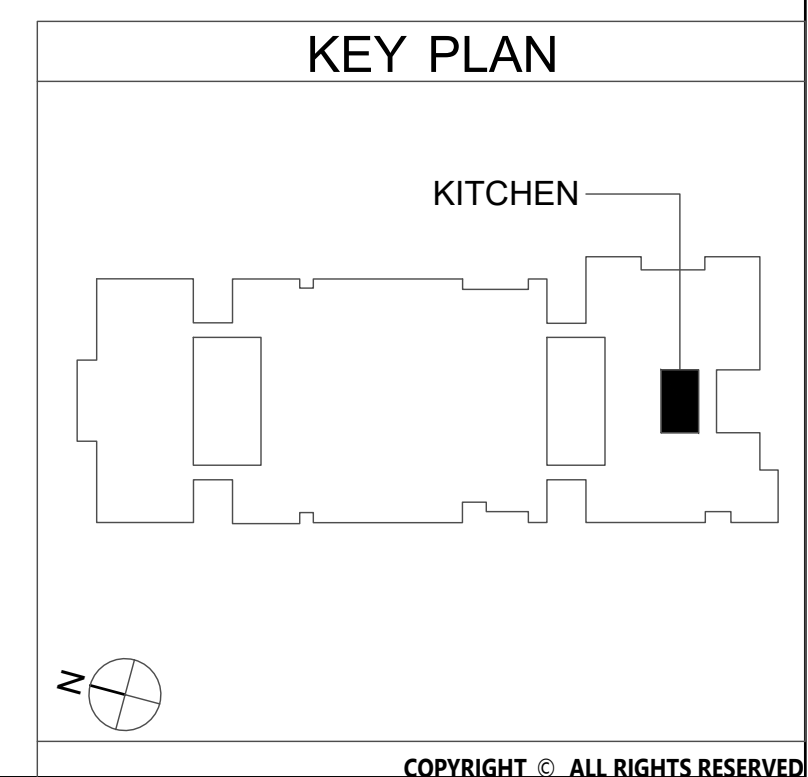
2 Gas Piping Demolition Diagram
N.T.S.

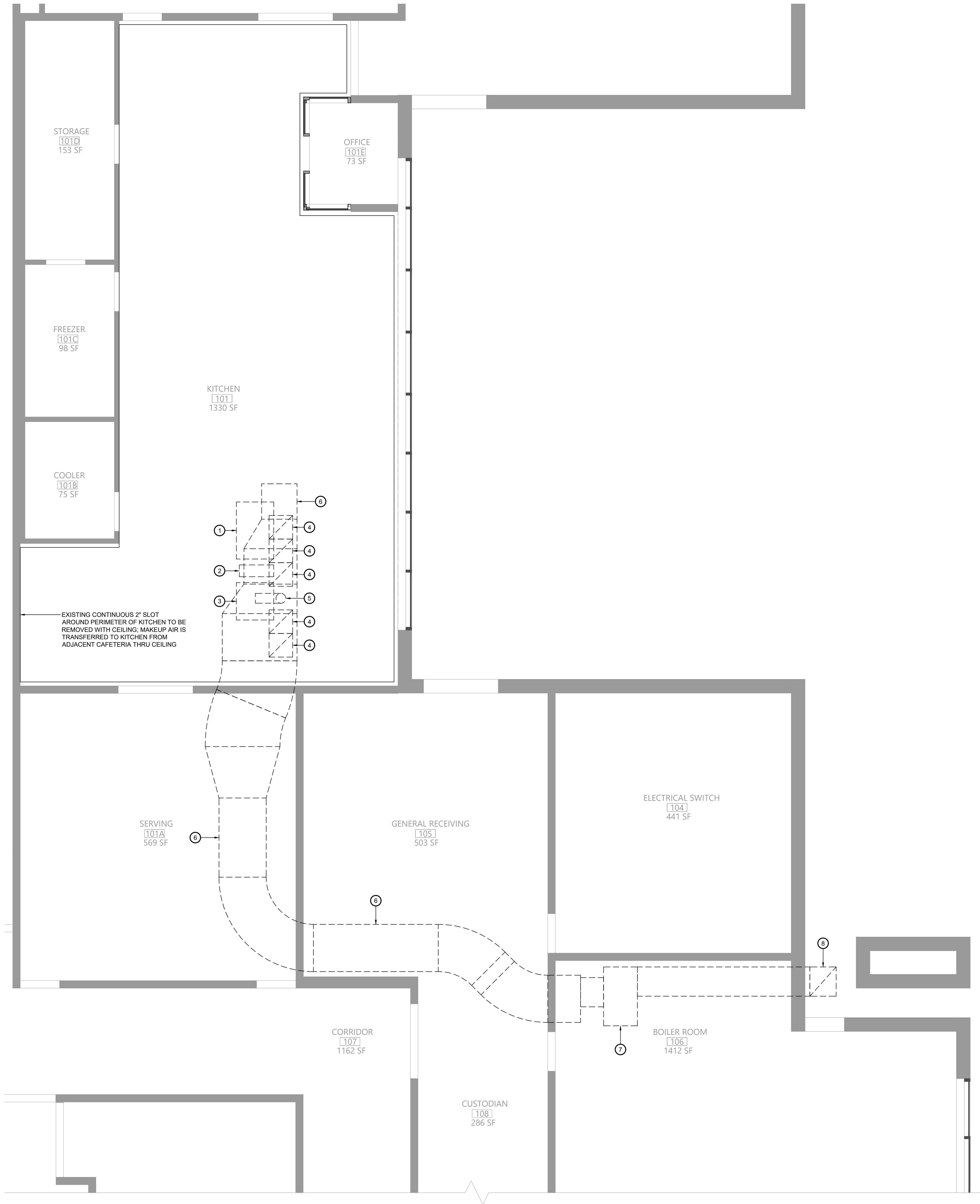


3 Plumbing Plan
Scale: 1/4" = 1'-0"



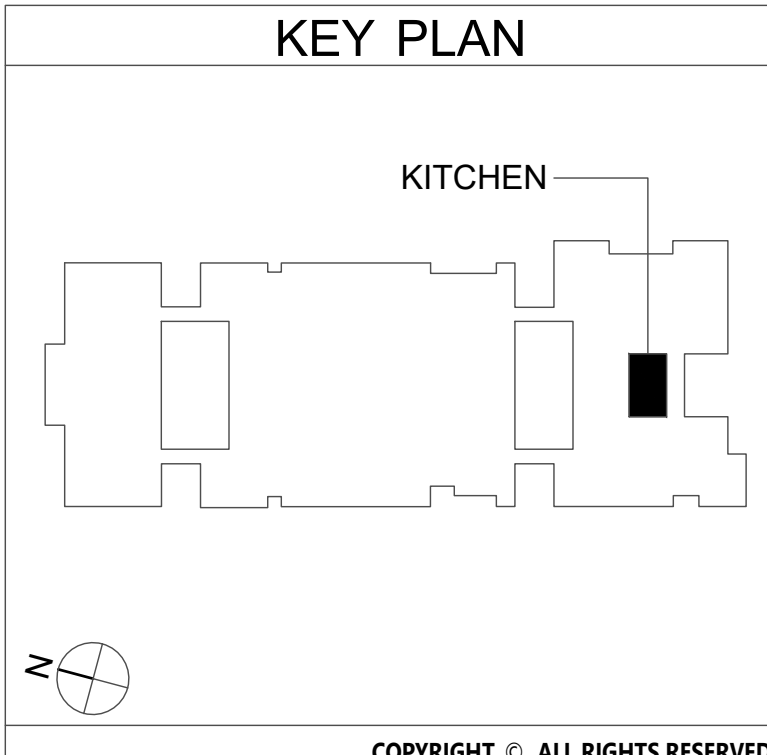
4 Gas Piping Diagram
N.T.S.





- Key Notes:**
- 1 EXISTING OVEN TO BE REMOVED
 - 2 EXISTING RANGE TO BE REMOVED
 - 3 EXISTING OVEN TO REMAIN
 - 4 EXISTING CEILING MOUNTED EXHAUST GRILLE TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
 - 5 EXISTING EXHAUST DUCT CONNECTED TO OVEN TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED HANGERS, SUPPORTS, ETC.
 - 6 EXISTING EXHAUST DUCTWORK ABOVE THE CEILING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
 - 7 EXISTING EXHAUST FAN TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
 - 8 EXISTING EXTERIOR DUCT RISES UP ALONG EXTERIOR WALL TO GOOSENECK ABOVE ROOF, DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL DUCTWORK

1 Mechanical Demolition Plan
Scale: 1/4" = 1'-0"



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BLAKE ENGINEERING PLLC
1000 WEST 10TH AVENUE SUITE 200 DENVER CO 80202

**EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
CHESTNUT RIDGE MIDDLE SCHOOL**

Project Title

STATE OF NEW YORK
JAMES T. GEORGE, III
LICENSED PROFESSIONAL ENGINEER
060039

DATE	DESCRIPTION

Drawn By: MGB
Checked By: MGB
Proj. #: 50-04-02-067-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

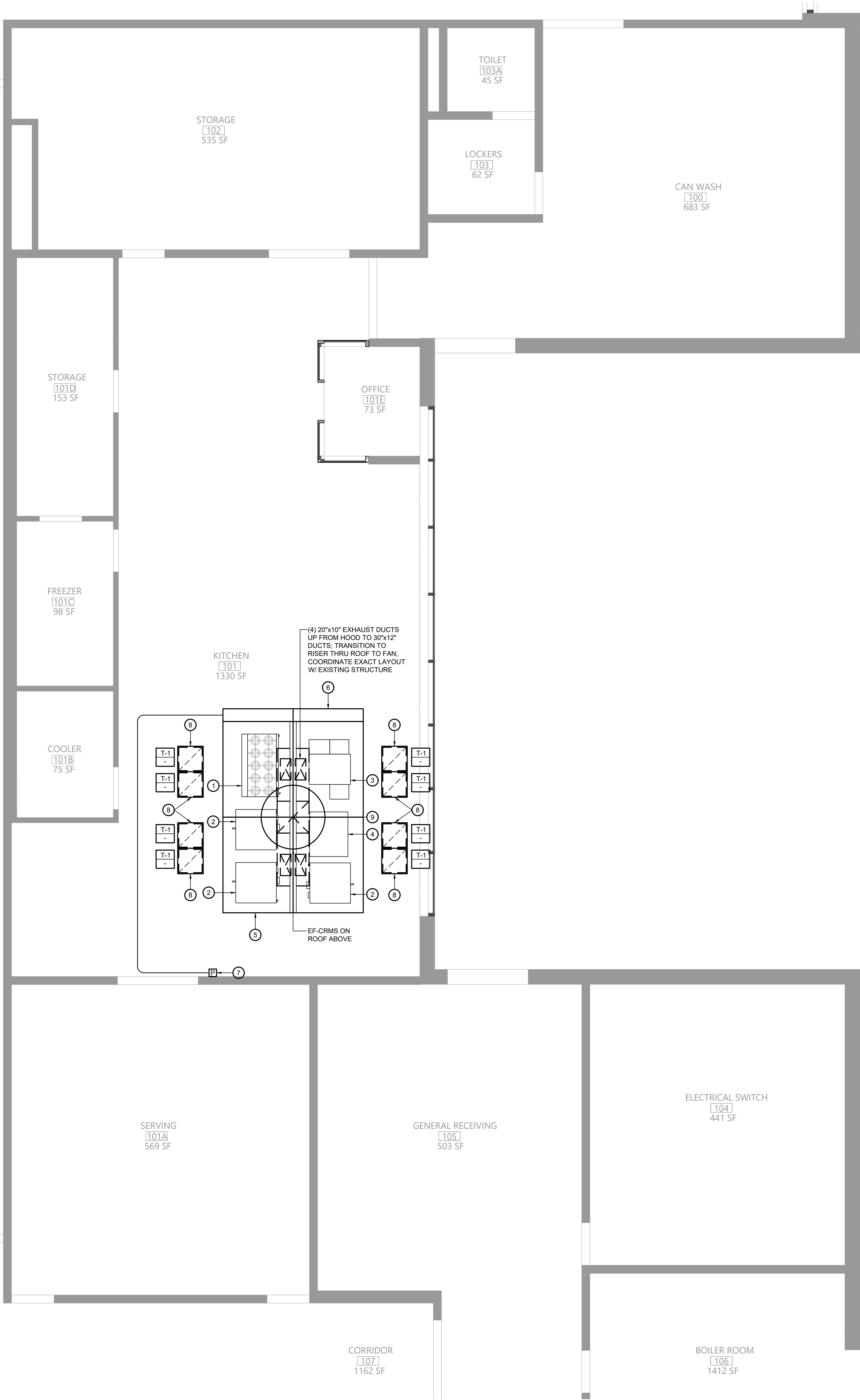
Sheet Title

**MECHANICAL
DEMOLITION
PLAN**

Sheet No.

**CRMS
M101**

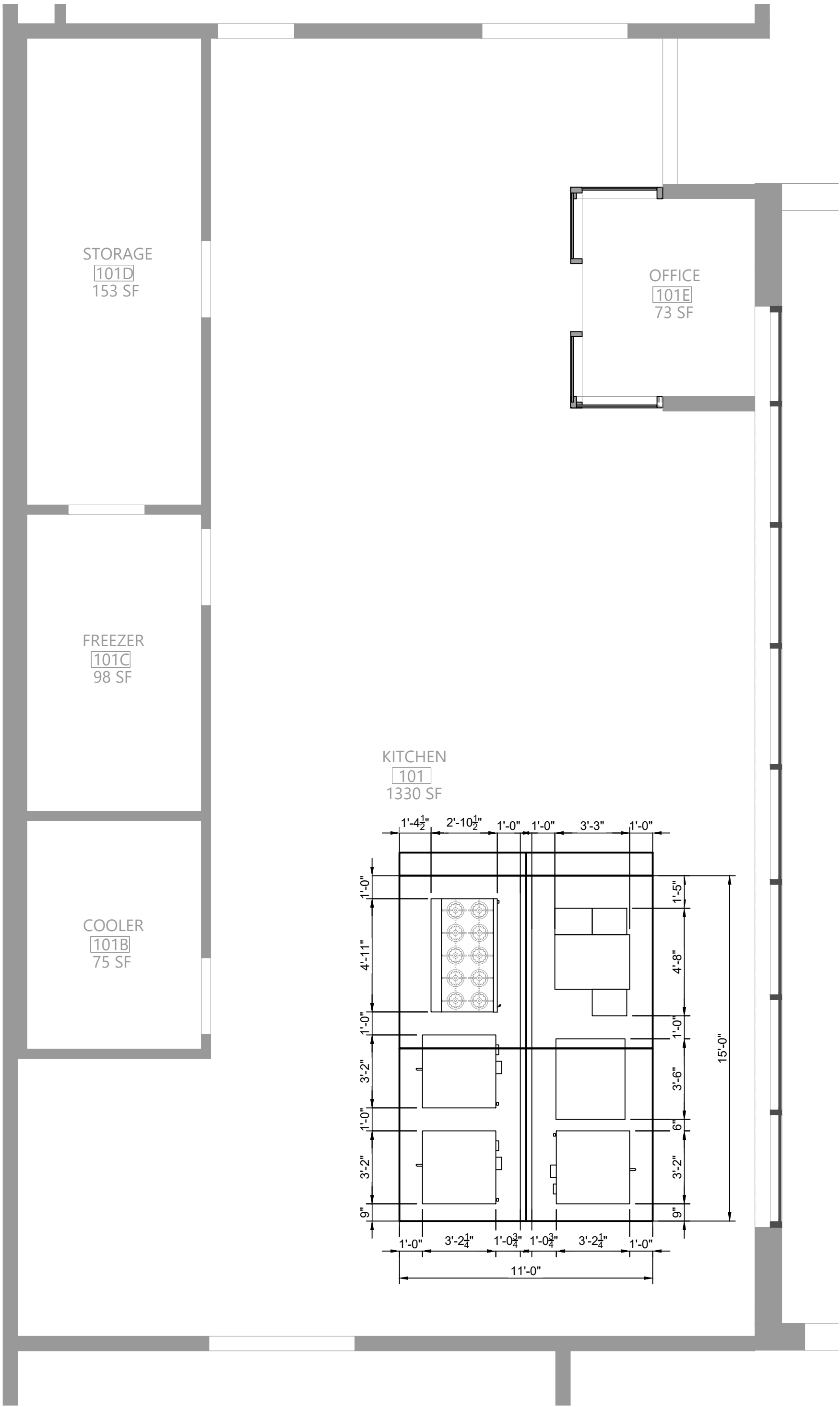
CONSTRUCTION DOCUMENTS



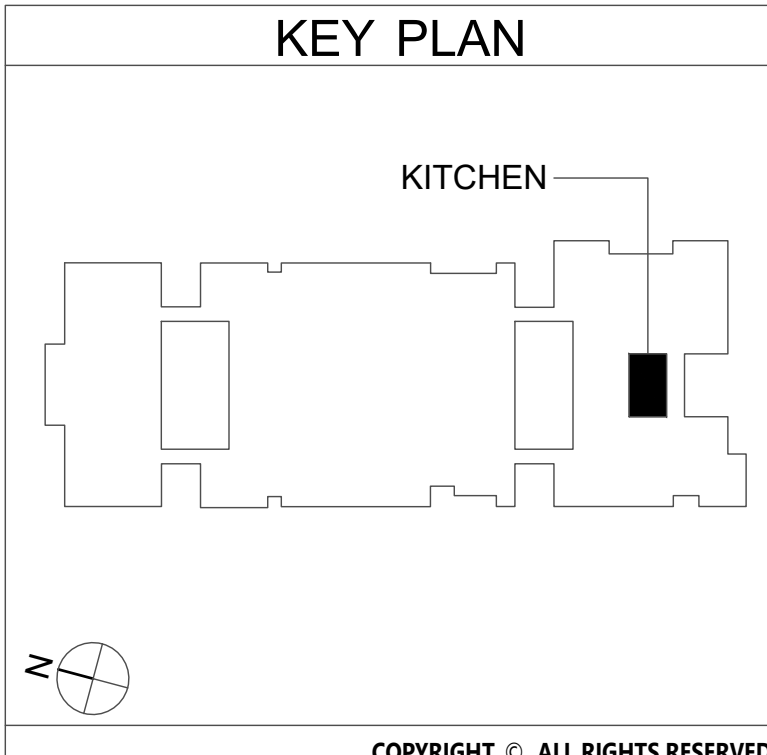
1 Mechanical Plan
Scale: 1/4" = 1'-0"

Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND G60-G24RR, 310 MBH INPUT;
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT;
- NEW PIZZA OVEN BY KITCHEN EQUIPMENT CONTRACTOR; LINCOLN 1180-FB2G, 80 MBH INPUT;
- FOOD PREP TABLE BY OTHERS
- PROVIDE 15'-0" LONG x 11'-0" DEEP x 24" HIGH 304 SS DOUBLE ISLAND STYLE TYPE I KITCHEN HOOD W/ HOOD MOUNTED UTILITY CABINET; PROVIDE W/ CLOSURE PANELS ABOVE HOOD; MOUNT HOOD AT 84" ABOVE FINISHED FLOOR; SEE KITCHEN HOOD NOTES ON MG001
- 12" DEEP UTILITY CABINET W/ COMPLETE R-102 FIRE SUPPRESSION SYSTEM INCLUDING ALL NOZZLES, FUSIBLE LINKS, PIPING, CABLING, TANK(S), PULL STATION
- PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM; INSTALL ON WALL AND CONNECT TO SYSTEM AT HOOD UTILITY CABINET
- TRANSFER AIR GRILLE INSTALLED IN CEILING; MAKEUP AIR TO HOOD PROVIDED VIA CEILING PLENUM CONNECTED TO TRANSFER AIR GRILLES IN CAFETERIA
- 30"x30" KITCHEN EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-CRMS

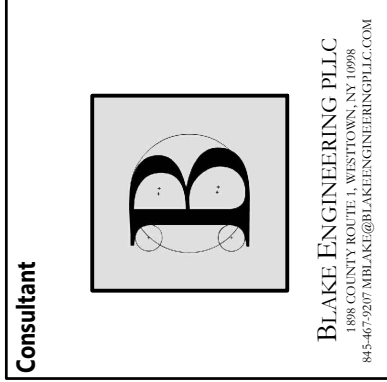


2 Kitchen Hood Dimensions
Scale: 1/4" = 1'-0"



EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
CHESTNUT RIDGE MIDDLE SCHOOL

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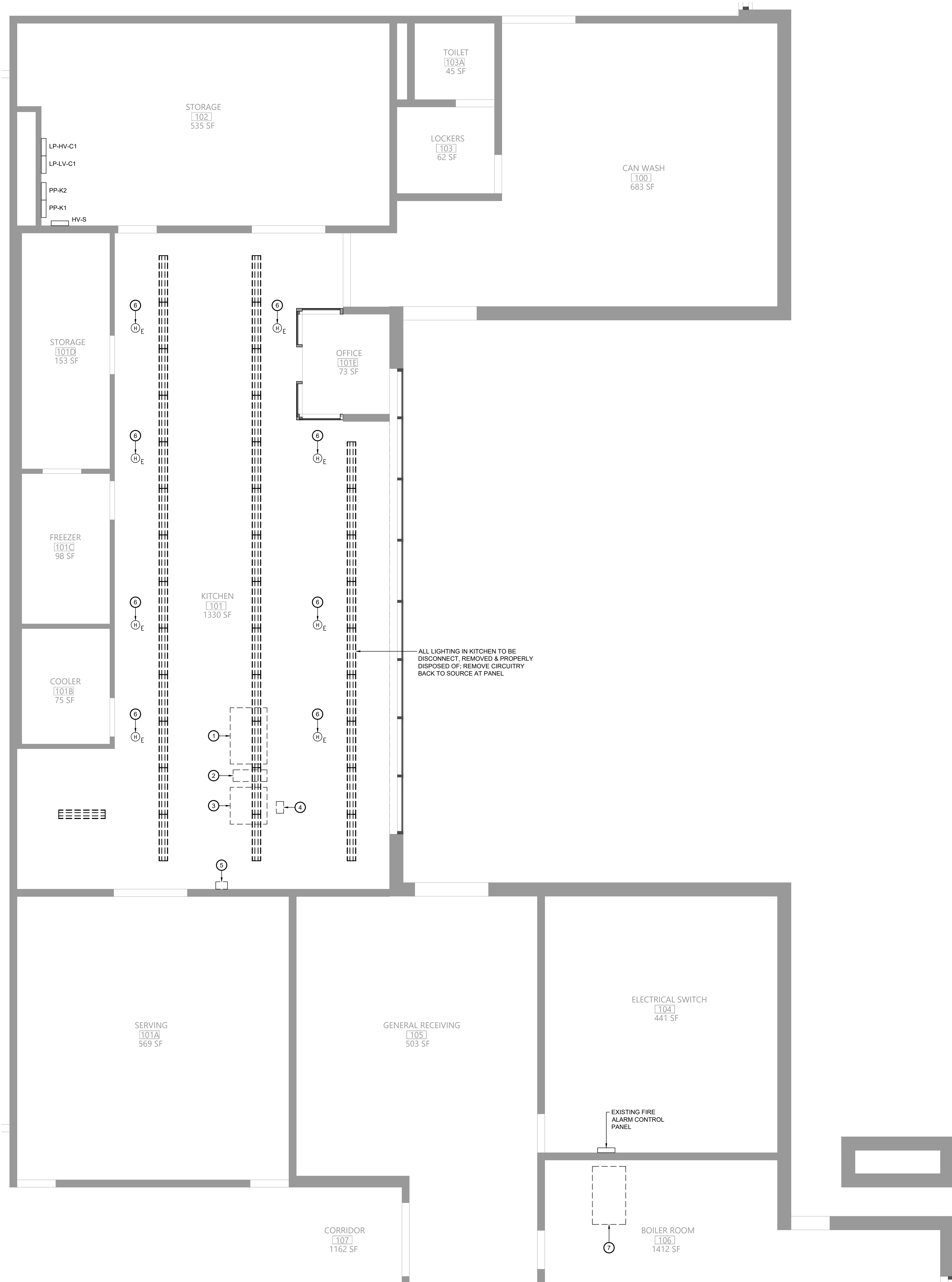


DATE	DESCRIPTION
5/13/23	ISSUED FOR BID
2/9/2023	PROJ. #
50-04-02-067-999-005	CHECKED BY: MGB
5/13/23	DRAWN BY: BJK

MECHANICAL PLAN

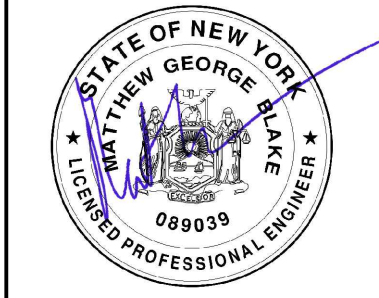
CRMS
M111

CONSTRUCTION DOCUMENTS



- Key Notes:
- 1 EXISTING OVEN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
 - 2 EXISTING RANGE TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
 - 3 EXISTING OVEN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
 - 4 EXISTING JUNCTION BOX FED FROM BELOW FLOOR; DISCONNECT & REMOVE POWER BACK TO SOURCE; MAINTAIN PATHWAY FOR INSTALLATION OF NEW WIRING
 - 5 EXISTING ELECTRICALLY OPERATED GAS SHUT-OFF VALVE TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE
 - 6 DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING HEAT DETECTOR
 - 7 EXISTING EXHAUST FAN TO BE REMOVED; DISCONNECT & REMOVE POWER BACK TO SOURCE

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
CHESTNUT RIDGE MIDDLE SCHOOL

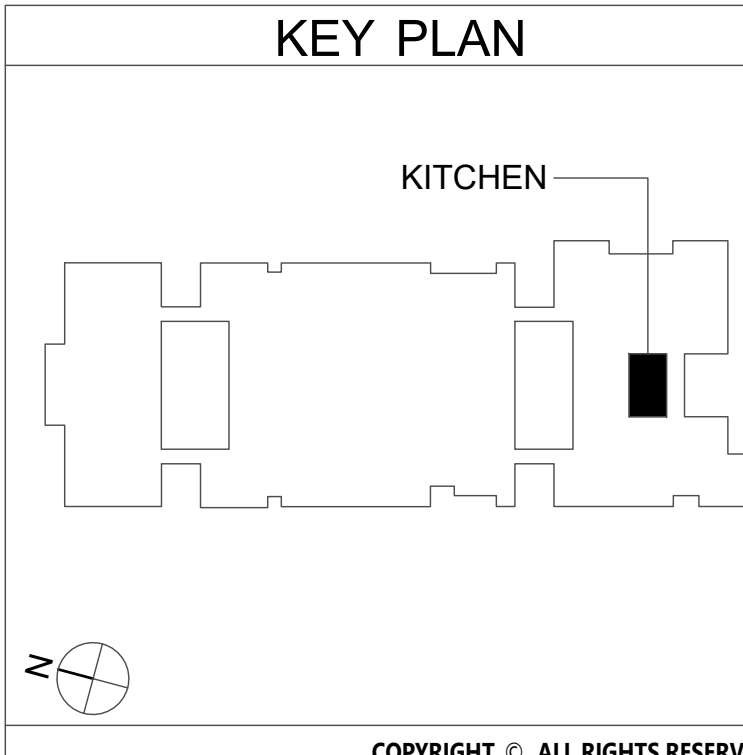


Drawn By: BJK
Checked By: MGB
Proj. #: 50-04-02-067-999-005
CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

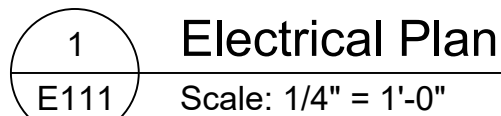
ELECTRICAL
DEMOLITION
PLAN

CRMS
E101

CONSTRUCTION DOCUMENTS



1 Electrical Demolition Plan
Scale: 1/4" = 1'-0"



3 Existing Kitchen Panelboard PP-K1
E111 Scale: None


- 2 Lighting Plan
Scale: 1/4" = 1'-0"

4 Existing Kitchen Panelboard PP-K2
E111 Scale: None

-

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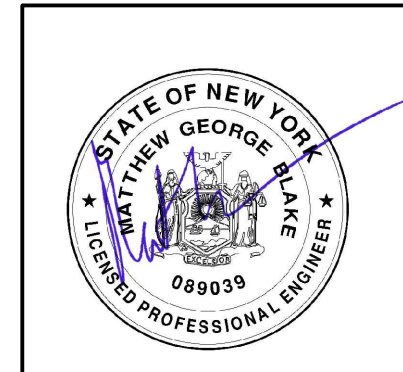


BENTLEY ENGINEERING PL.C
 300 N. ZEEB RD., SUITE 100
 BENTLEY, MA 01922
 TEL: 978.366.1000
 FAX: 978.366.1001
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SEARCH

EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
CHESTNUT RIDGE MIDDLE SCHOOL

Project Title



	DATE	DESCRIPTION
Drawn By:		B.K.
Checked By:		MGB
Proj. #:		50-04-02-06-7-999-005
CSArch Proj. #:		209-2003.01
Issued for Bid:		05/13/22

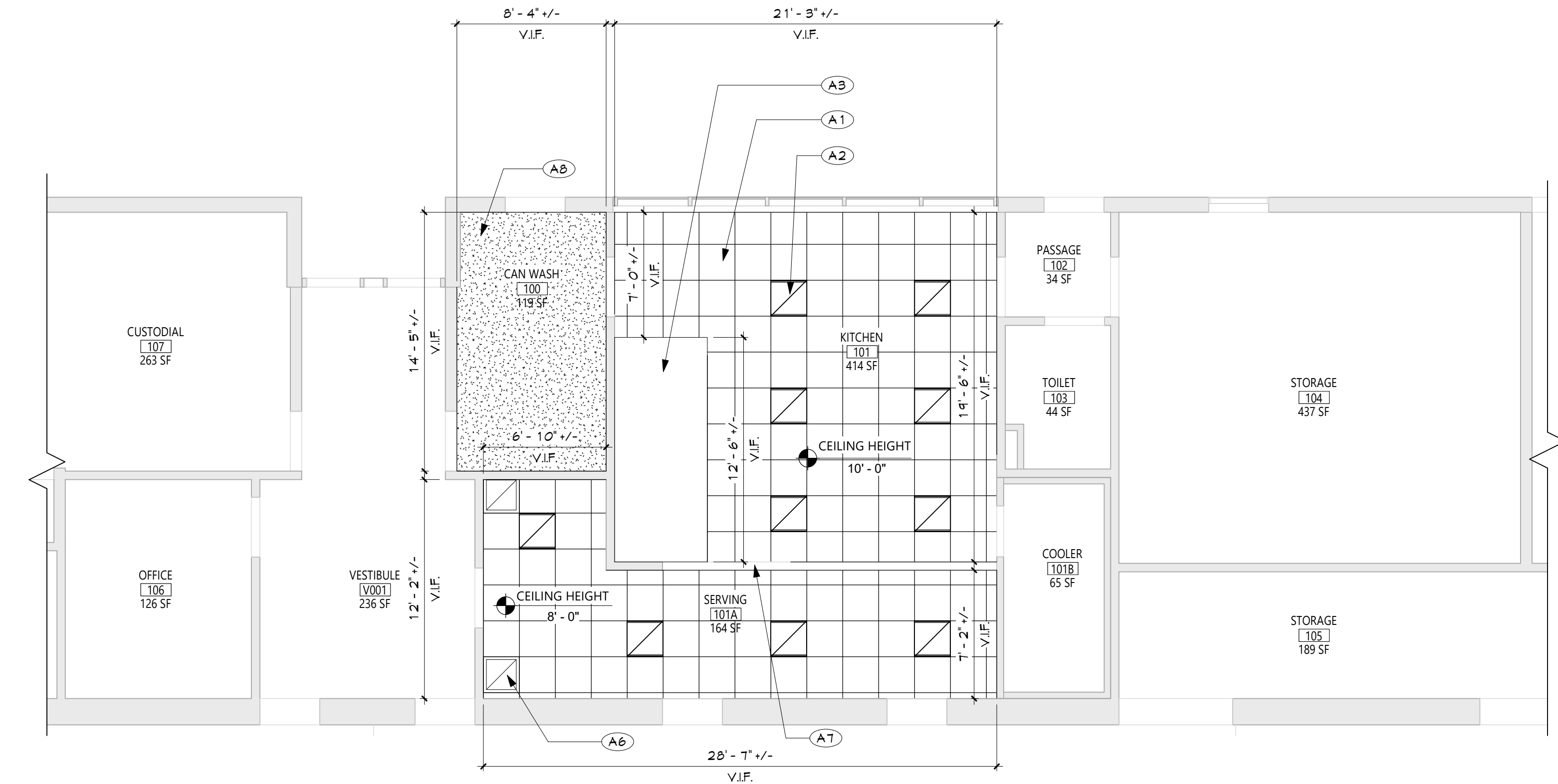
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ELECTRICAL
PLANS

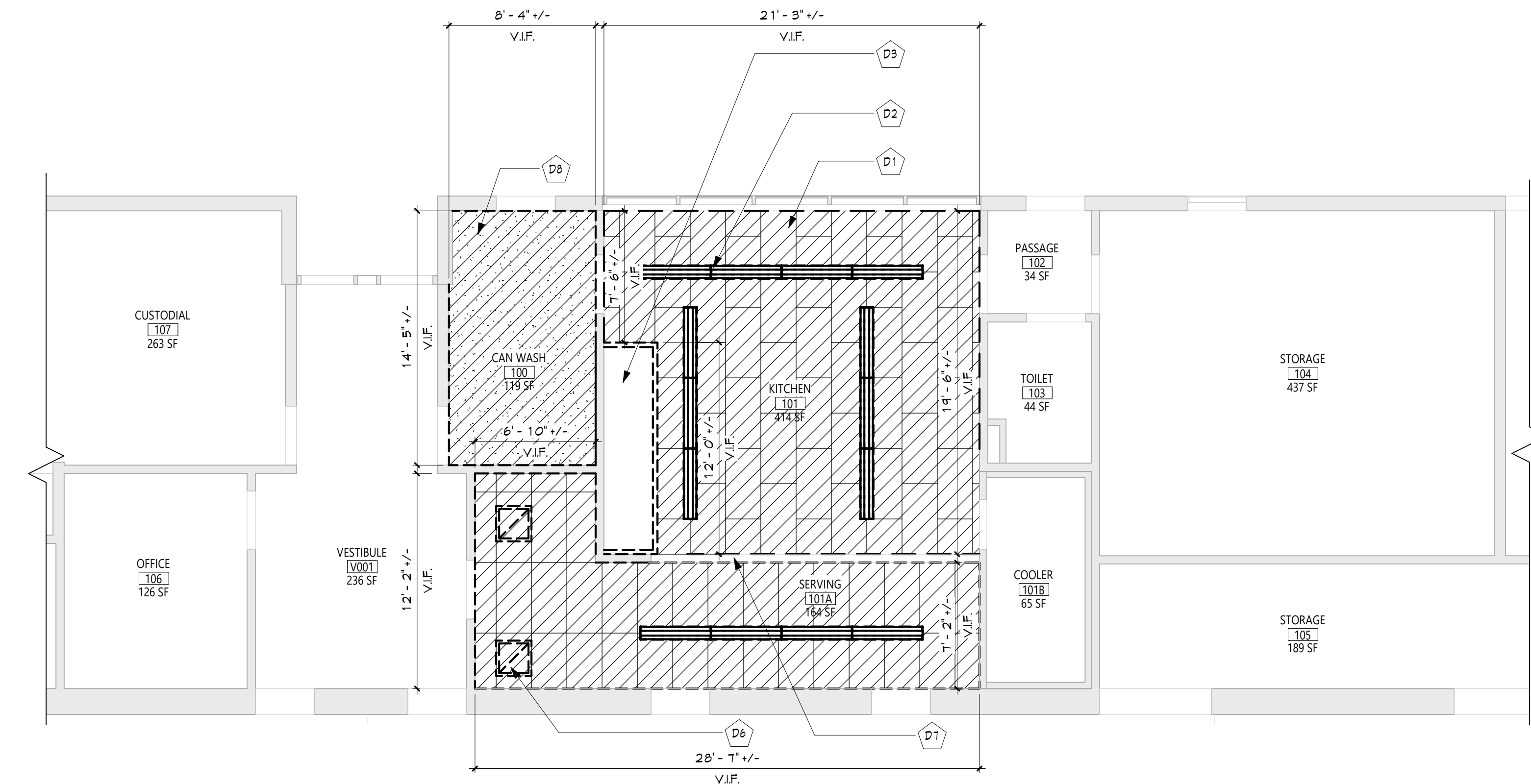
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E111

CONSTRUCTION DOCUMENTS

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2 KITCHEN - NEW WORK REFLECTED CEILING PLAN
A101 3/16" = 1'-0"



1 KITCHEN - DEMOLITION REFLECTED CEILING PLAN
A101 3/16" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILING MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND

- EXISTING PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- EXISTING PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
- CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND

- EXISTING 6x6/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- NEW 6x6 CEILING
- NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED HEAT DETECTOR
- CEILING MOUNTED PA SPEAKER
- CEILING MOUNTED SECURITY J-BOX
- CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

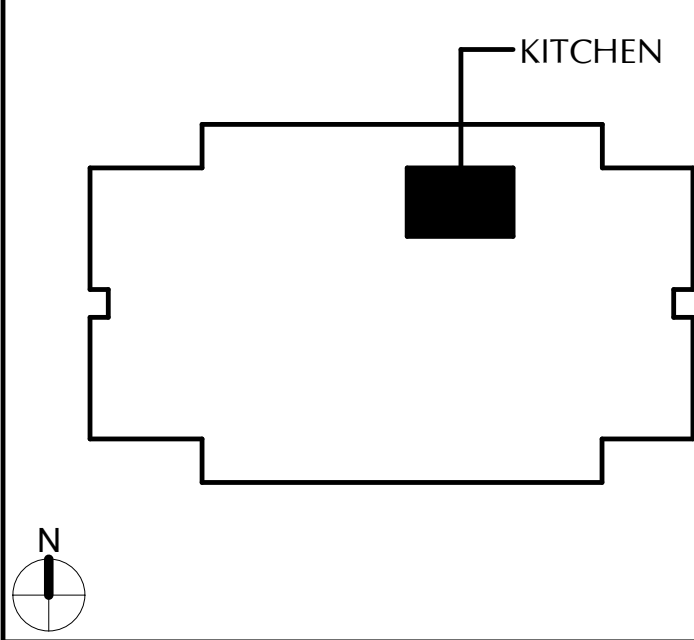
DEMOLITION KEY NOTES

- | # | DESCRIPTION |
|----|----------------------------------------------------------------------------------------------------|
| D1 | REMOVE EXIST. SUSPENDED CLG. COORDINATE WITH ABATEMENT AND MECH DWGS. |
| D2 | EXIST. LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS. |
| D3 | EXIST. KITCHEN HOOD. SEE MECH DWGS FOR DETAILS. |
| D6 | EXIST. CLG GRILLE. COORD. W/ MECH DWGS. |
| D7 | EXIST. GRILLE IN SOFFIT. COORD. W/ MECH DWGS. |
| D8 | REMOVE EXIST. PLASTER CLG. TO ACCOMMODATE MECH DEMO WORK. COORDINATE WITH ABATEMENT AND MECH DWGS. |

NEW WORK KEY NOTES

- | # | DESCRIPTION |
|----|------------------------------------------------------------------------------------------------------------------------------|
| A1 | PROVIDE NEW SUSPENDED CLG. COORD. WITH NEW MECH WORK. SEE SPECS |
| A2 | NEW LIGHTING FIXTURES. SEE ELEC DWGS FOR DETAILS. |
| A3 | NEW KITCHEN HOOD. SEE MECH DWGS FOR DETAILS. |
| A6 | EXIST. MECH GRILLE. COORD. WITH MECH DWGS. |
| A7 | INFILL PATCH SAND & PAINT TO MATCH EXIST. SOFFIT. GC TO COORDINATE WITH MC. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS. |
| A8 | PROVIDE NEW GYP. BD. CLG. PATCH, SAND, & PAINT TO MATCH EXIST. GC TO COORDINATE WITH MC. |

KEY PLAN



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DISTRICT WIDE KITCHEN HOOD REPLACEMENT
ELDORADO ELEMENTARY SCHOOL

Project Title



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CSArch Proj. #: 209-2003.01
Issued for Bid: 05/13/23

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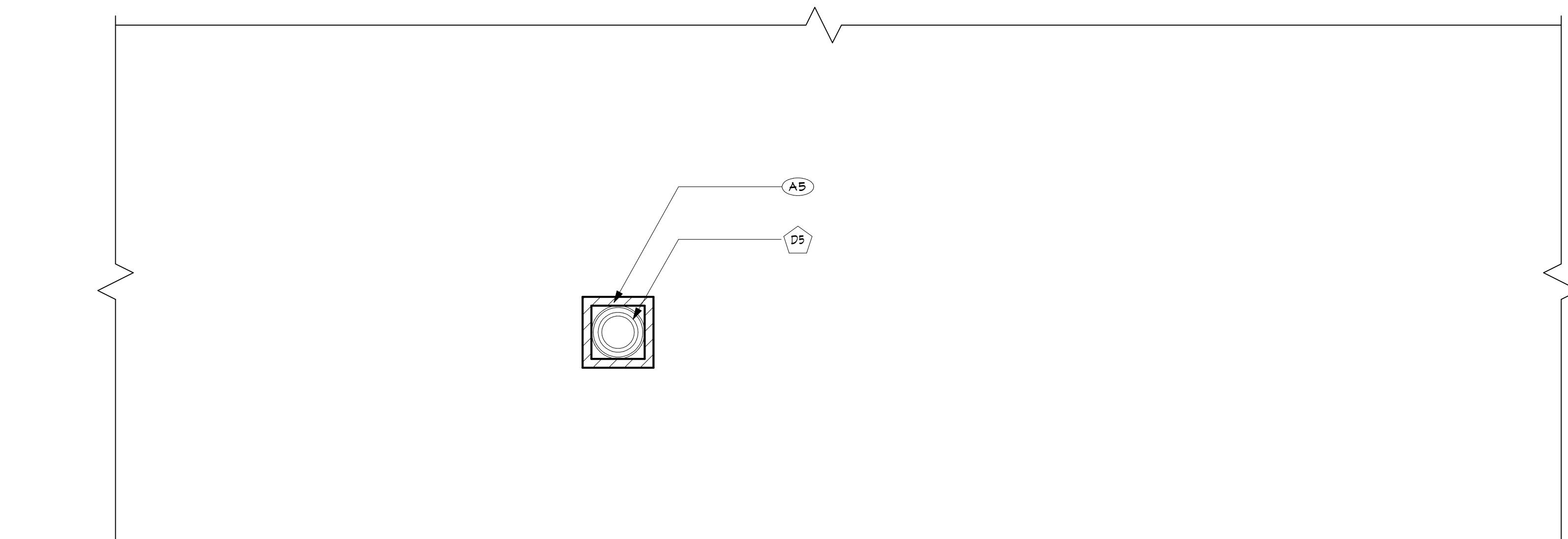
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PLANS

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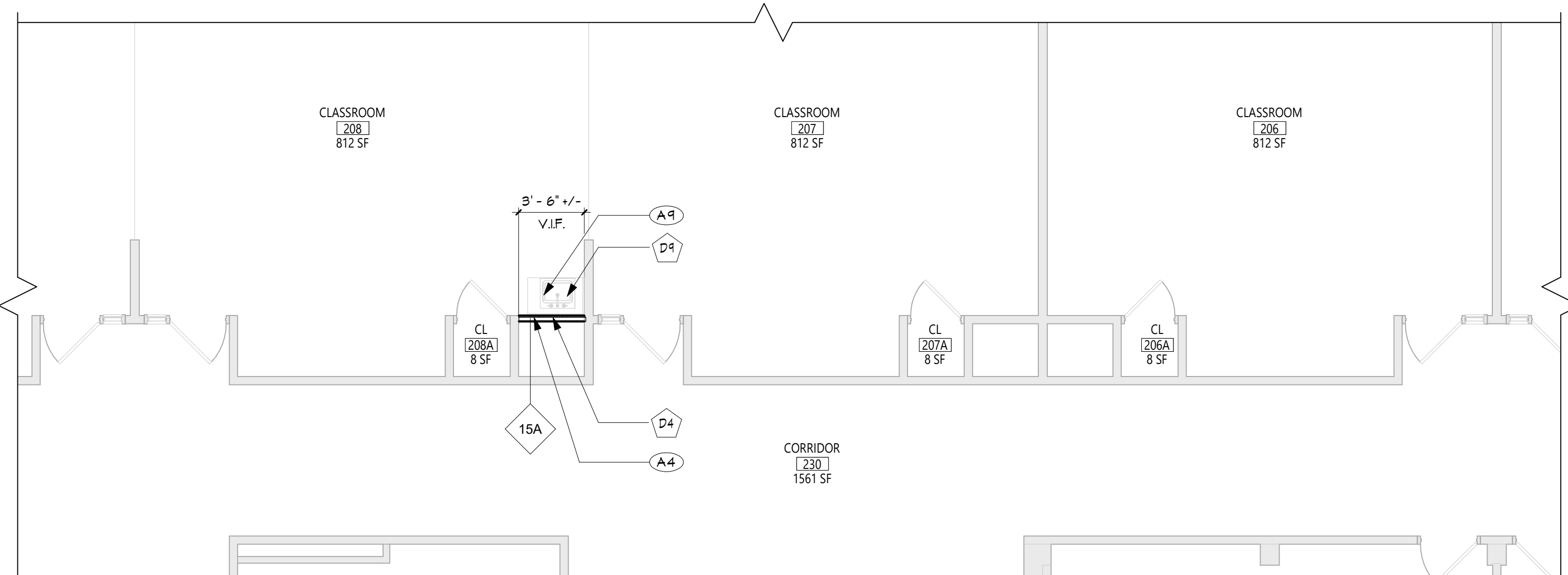
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A101

CONSTRUCTION DOCUMENTS

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2 PARTIAL ROOF PLAN
A102 3/16" = 1'-0"



1 PARTIAL SECOND FLOOR PLAN
A102 3/16" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A101 FOR PARTITION TYPES AND ADDITIONAL NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM. UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILING MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING DEMOLITION LEGEND

- EXISTING PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- EXISTING PLASTER CEILING TO BE REMOVED
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO BE REMOVED
- CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING NEW WORK LEGEND

- EXISTING GYB/PLASTER CEILING TO REMAIN
- EXISTING SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN
- NEW GYB CEILING
- NEW SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED HEAT DETECTOR
- CEILING MOUNTED PA SPEAKER
- CEILING MOUNTED SECURITY J-BOX
- CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

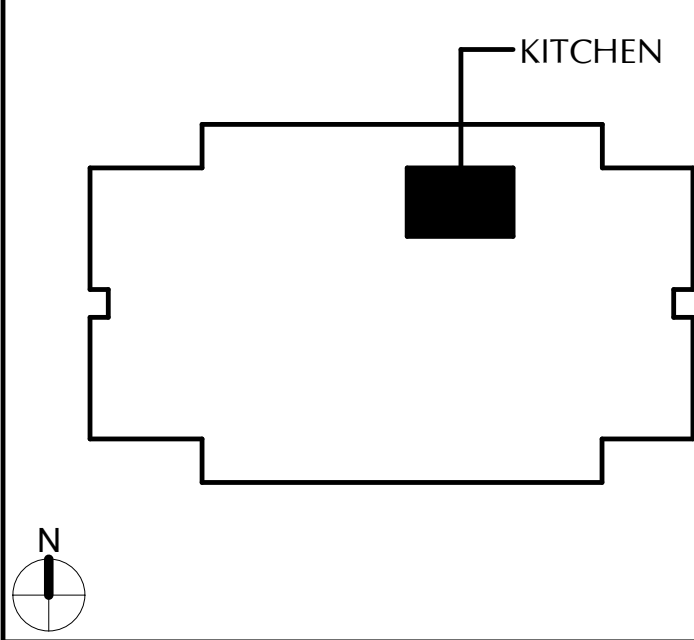
DEMOLITION KEY NOTES

#	DESCRIPTION
D4	REMOVE PORTION OF INTERIOR PARTITION TO ACCOMMODATE MECH DEMO WORK. COORDINATE WITH ABATEMENT AND MECH DWGS.
D5	EXIST. EXHAUST FAN ON ROOF TO BE REMOVED. EXISTING ROOF OPENING TO REMAIN. SEE MECH DWGS FOR DETAILS
D9	TEMPORARILY REMOVE EXIST. CASEWORK, COUNTERTOP, AND SINK TO ACCOMMODATE MECH WORK. GC TO COORD. W/ MC.

NEW WORK KEY NOTES

#	DESCRIPTION
A4	INFILL, PATCH, SAND, & PAINT TO MATCH EXIST. GC TO COORD. WITH MC. SEE SPECS FOR CUTTING AND PATCHING REQUIREMENTS.
A5	NEW EXHAUST FAN ON ROOF. SEE MECH DWGS. PROVIDE ROOF PATCHING, FLASHING, AND STRUCTURAL STEEL SUPPORT FRAMING. GC TO COORDINATE W/ MC FOR LOCATION AND SIZE.
A9	REINSTALL EXIST. CASEWORK, COUNTERTOP, AND SINK. GC TO COORD. WITH MC.

KEY PLAN



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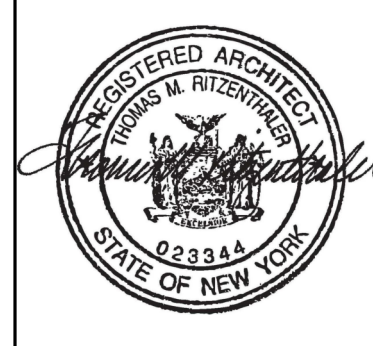
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ELDORADO ELEMENTARY SCHOOL

Project Title



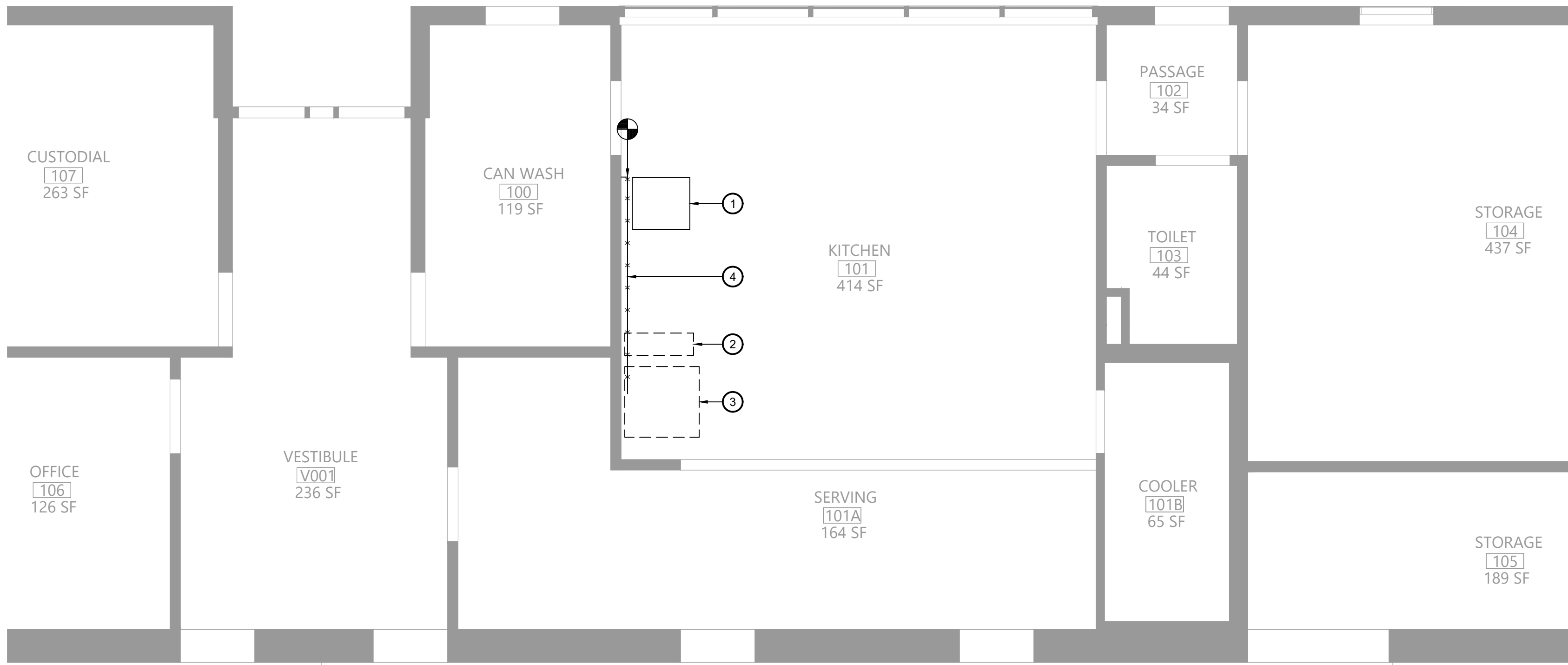
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CSArch Proj. #: 209-2002.01
Issued for Bid: 05/13/22

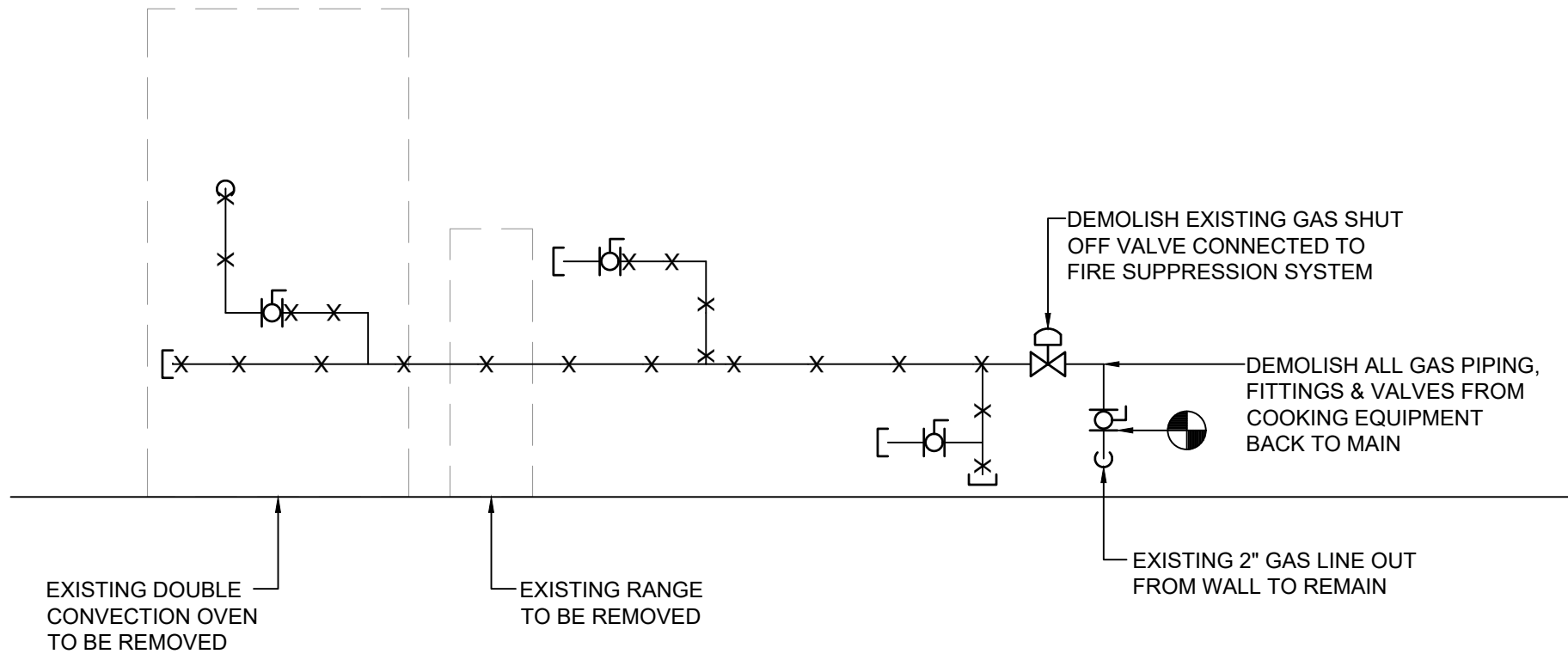
SHEET TITLE
PARTIAL
SECOND FLR
AND ROOF
PLANS

SHEET NO.
EDES
A102

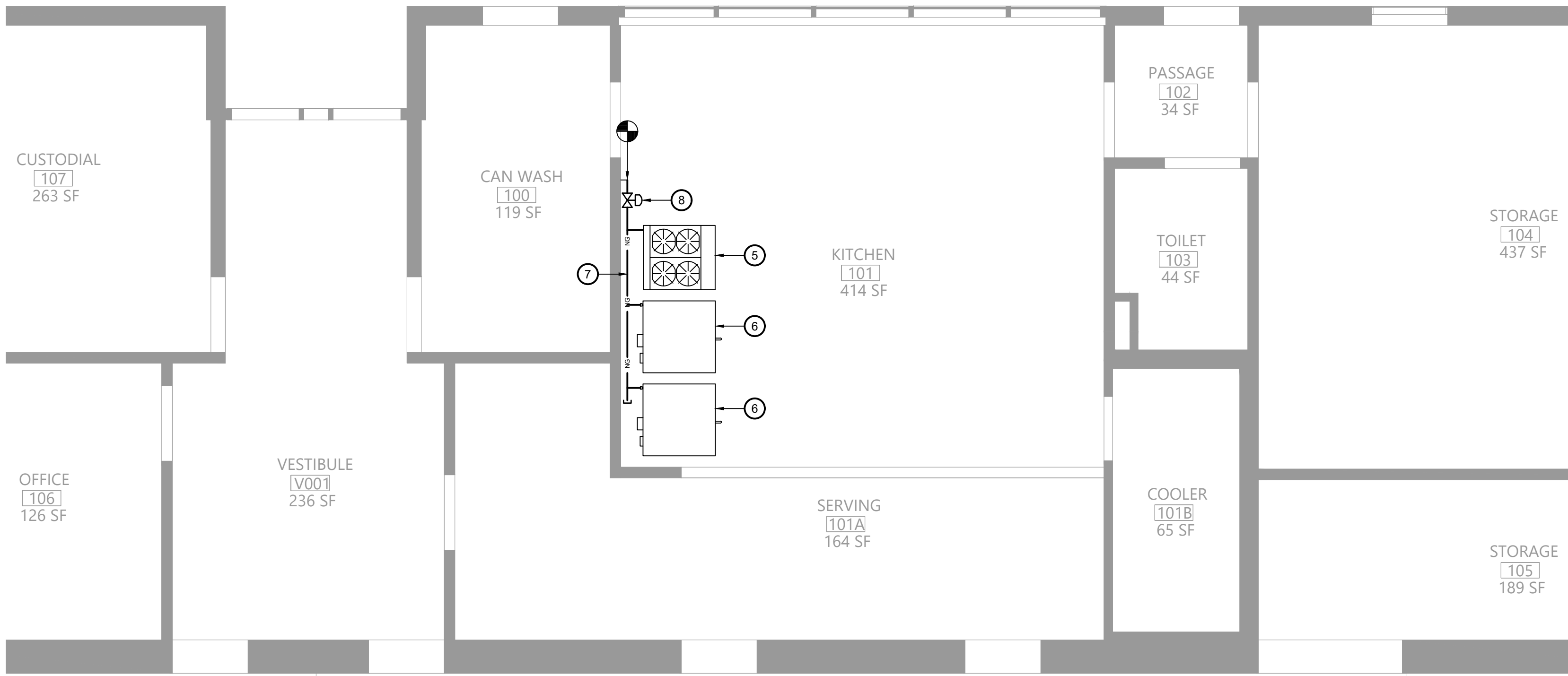
CONSTRUCTION DOCUMENTS



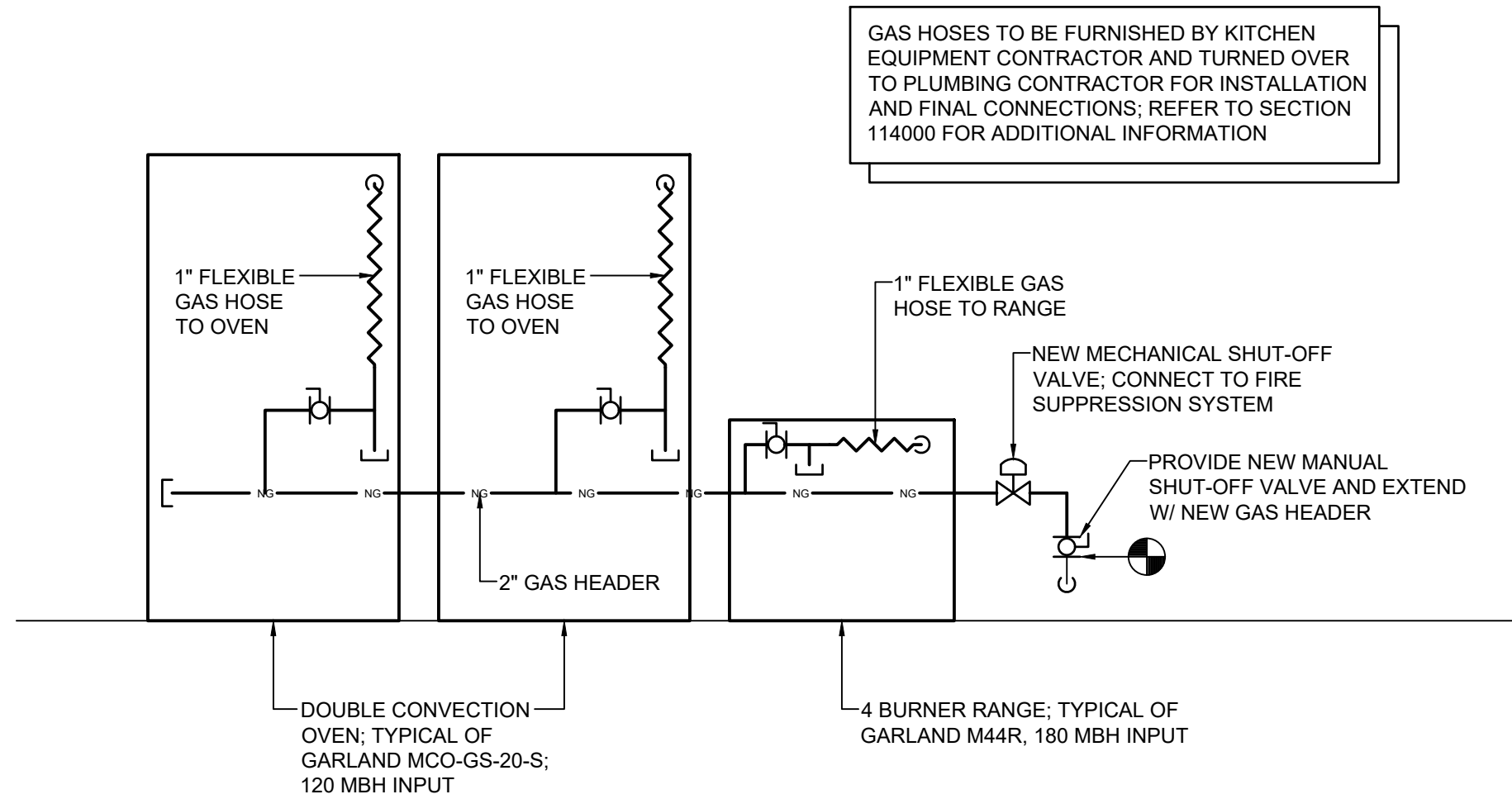
1 Plumbing Demolition Plan
Scale: 1/4" = 1'-0"



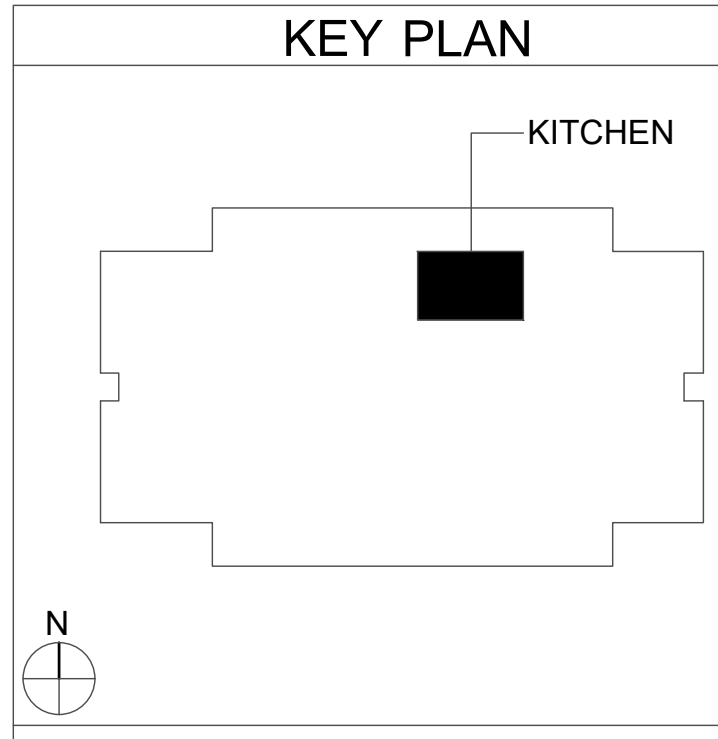
2 Gas Piping Demolition Diagram
N.T.S.



3 Plumbing Plan
Scale: 1/4" = 1'-0"



4 Gas Piping Diagram
N.T.S.



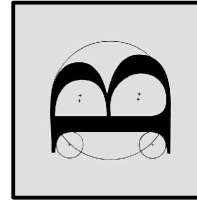
Key Notes:

- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
- EXISTING RANGE TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
- EXISTING CONVECTION OVEN TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED GAS PIPING AND ACCESSORIES
- EXISTING GAS PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ALL ASSOCIATED VALVES AND FITTINGS; TEMPORARILY CAP UNTIL INSTALLATION OF NEW PIPING
- 4 BURNER RANGE TYPICAL OF GARLAND M44R; 180 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
- DOUBLE CONVECTION OVEN TYPICAL OF GARLAND MCO-GS-20-S; 120 MBH INPUT; INSTALL FLEXIBLE GAS HOSE AND CONNECT TO MAIN HEADER, SEE PIPING DIAGRAM
- PROVIDE 2" GAS HEADER CONNECTED TO EXISTING PIPING; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS
- PROVIDE MECHANICAL SHUT-OFF VALVE; CONNECT TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM

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100 WEST 10TH STREET SUITE 200
NEW YORK, NY 10011

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DATE	DESCRIPTION

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Proj. #: 59-04-02-06-7-999-005
CSArch Proj. #: 209-2003.01
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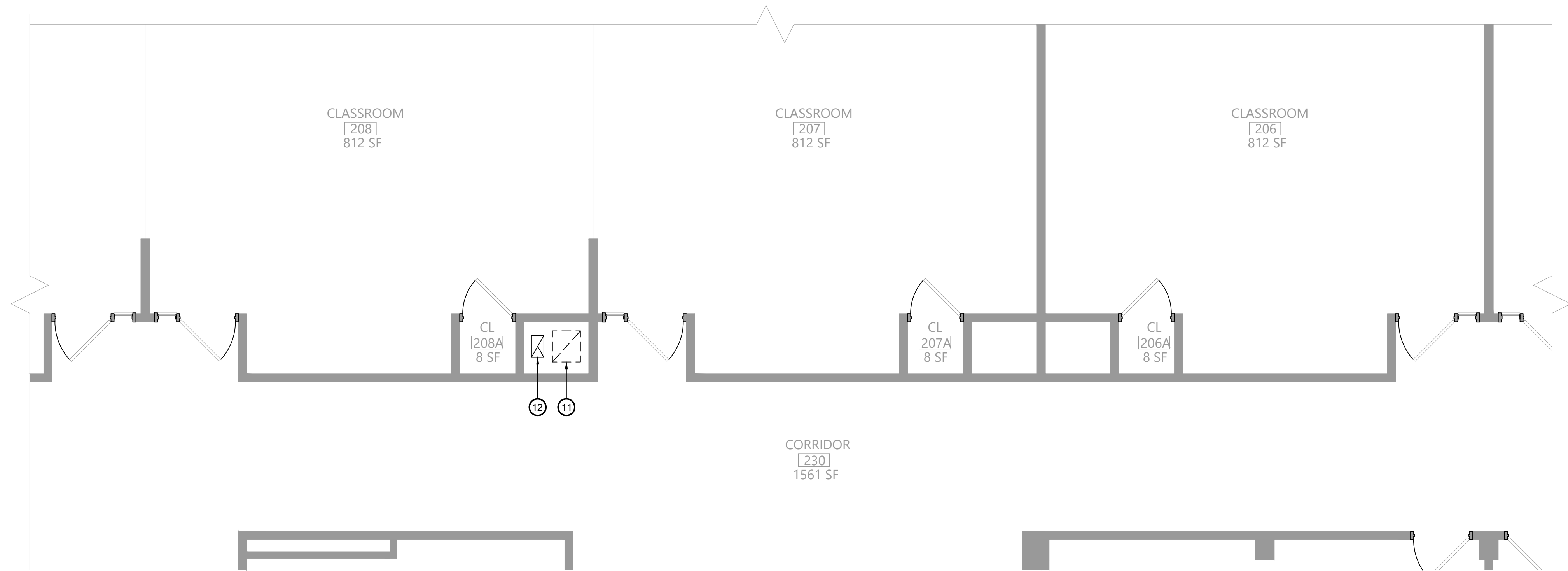
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PLUMBING
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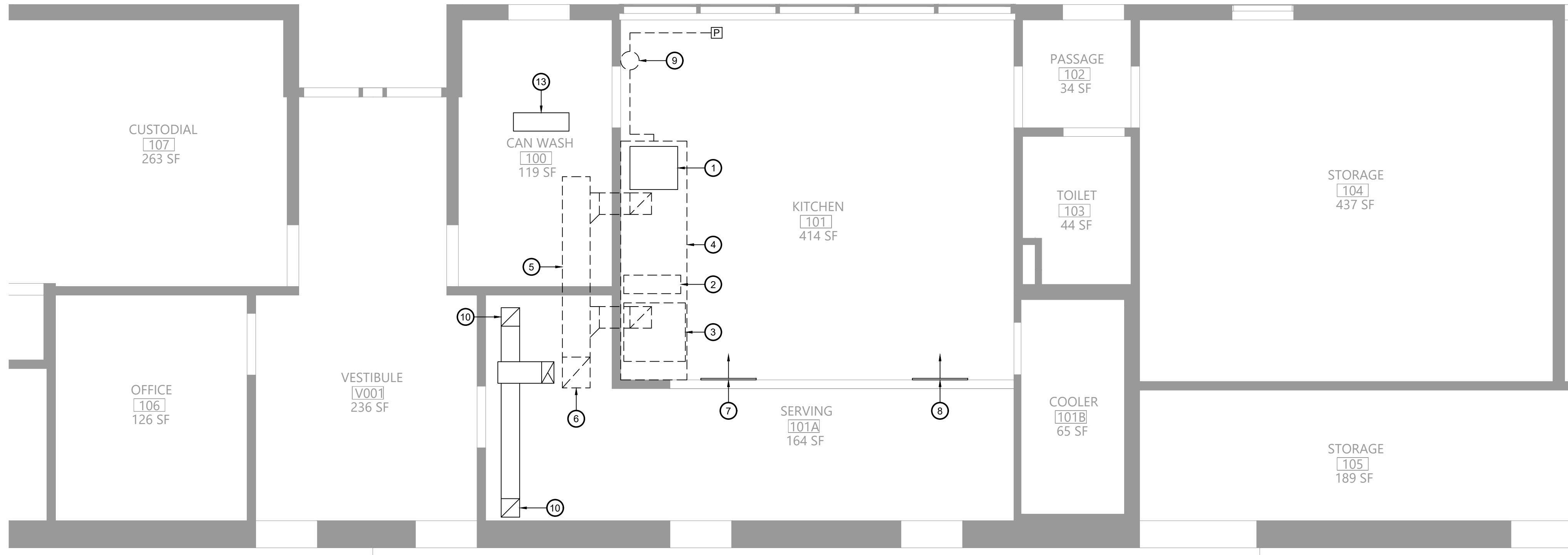
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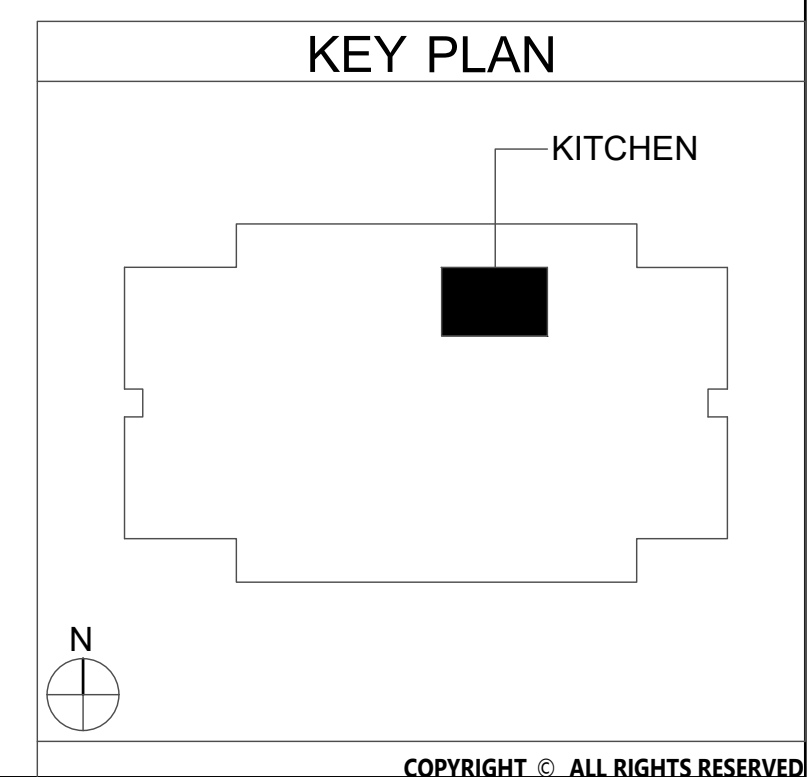


1 Second Floor Mechanical Demolition Plan
Scale: 1/4" = 1'-0"



2 First Floor Mechanical Demolition Plan
Scale: 1/4" = 1'-0"

- Key Notes:**
- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
 - EXISTING RANGE TO BE REMOVED
 - EXISTING CONVECTION OVEN TO BE REMOVED
 - EXISTING KITCHEN HOOD TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
 - EXISTING EXHAUST DUCTWORK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
 - EXISTING EXHAUST DUCTWORK UP INTO CHASE ABOVE: DISCONNECT, REMOVE & PROPERLY DISPOSE OF ENTIRE RISER UP TO ROOF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
 - EXISTING MAKEUP AIR GRILLE IN SOFFIT TO BE RELOCATED; PATCH DUCTWORK AND PROVIDE NEW DUCT TAP TO SERVE RELOCATED GRILLE
 - EXISTING MAKEUP AIR GRILLE TO REMAIN
 - EXISTING FIRE SUPPRESSION SYSTEM TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF; REMOVE ENTIRE SYSTEM INCLUDING TANK, CONTROL HEAD, PIPING, CONDUIT, CABLING, PULL STATION, NOZZLES
 - EXISTING CEILING EXHAUST GRILLE TO REMAIN; REMOVE & REINSTALL AS NECESSARY TO SUPPORT CEILING REPLACEMENT SCOPE; EXISTING DUCTWORK UP THRU ROOF TO EXHAUST FAN TO REMAIN
 - DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING KITCHEN HOOD EXHAUST DUCT WITHIN CHASE AND THE EXHAUST FAN AND CURB ON THE ROOF;
 - EXISTING EXHAUST DUCTWORK AND FAN TO REMAIN
 - DISCONNECT, REMOVE & STORE EXISTING HOT WATER UNIT HEATER TO ALLOW FOR REMOVAL OF CEILING; TEMPORARILY CAP HW PIPING AND MAINTAIN FOR RECONNECTION



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ELDORADO ELEMENTARY SCHOOL

STATE OF NEW YORK

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REGISTERED PROFESSIONAL ENGINEER

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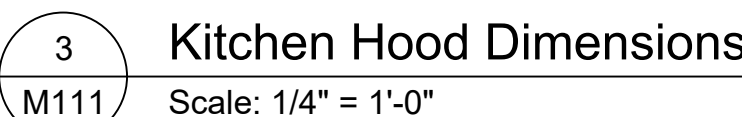
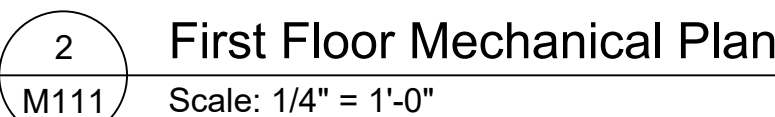
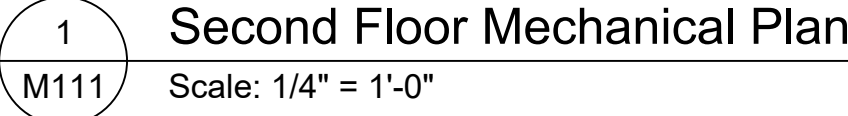
MECHANICAL DEMOLITION PLANS

Sheet No.

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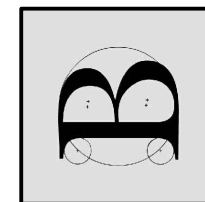
CONSTRUCTION DOCUMENTS



- 1 NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT;
- 2 NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR, GARLAND MCO-GS-20-S, 120 MBH INPUT;
- 3 PROVIDE 11"X 24" LONG X 5" DEEP X 24" HIGH 304 SS WALL MOUNTED CANOPY STYLE TYPE 1 KITCHEN HOOD W/ HOOD MOUNTED UTILITY CABINET; PROVIDE W/ 18" CLOSURE PANELS ABOVE HOOD, MOUNT HOOD AT 84" ABOVE FINISHED FLOOR; SEE KITCHEN HOOD NOTES ON MG001
- 4 12" DEEP UTILITY CABINET W/ COMPLETE R-102 FIRE SUPPRESSION SYSTEM INCLUDING ALL NOZZLES, FUSIBLE LINKS, PIPING, CABLING, TANK(S), PULL STATION
- 5 PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM, INSTALL ON WALL AND CONNECT TO SYSTEM AT HOOD UTILITY CABINET
- 6 18"X18" KITCHEN EXHAUST DUCT UP INTO 2ND FLOOR CHASE; CONTINUE UP THRU ROOF TO EXHAUST FAN E-FIDES
- 7 EXISTING MAKEUP AIR GRILLE IN SOFFIT TO BE RELOCATED; PATCH DUCTWORK AND PROVIDE NEW DUCT TAP TO SERVE RELOCATED GRILLE
- 8 EXISTING MAKEUP AIR GRILLE TO REMAIN
- 9 EXISTING CEILING EXHAUST GRILLE TO REMAIN; REMOVE & REINSTALL AS NECESSARY TO SUPPORT CEILING REPLACEMENT SCOPE; EXISTING DUCTWORK UP THRU ROOF TO EXHAUST FAN TO REMAIN
- 10 18"X18" KITCHEN EXHAUST DUCT UP IN 2ND FLOOR CHASE; CONTINUE UP THRU ROOF TO EXHAUST FAN E-FIDES; TRANSITION DUCT AS NECESSARY AT FAN CONNECTION; INSTALL FAN ON 24" VENTED CURB
- 11 REINSTALL EXISTING UNIT HEATER; RECONNECT TO EXISTING HOT WATER PIPING; PROVIDE NEW VALVES; RECONNECT TO EXISTING CONTROLS

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1508 COUNTY ROUTE 11, WESTFIELD, NY 12090

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CSArch Proj. #:	209-200
Issued for Bid:	05/13

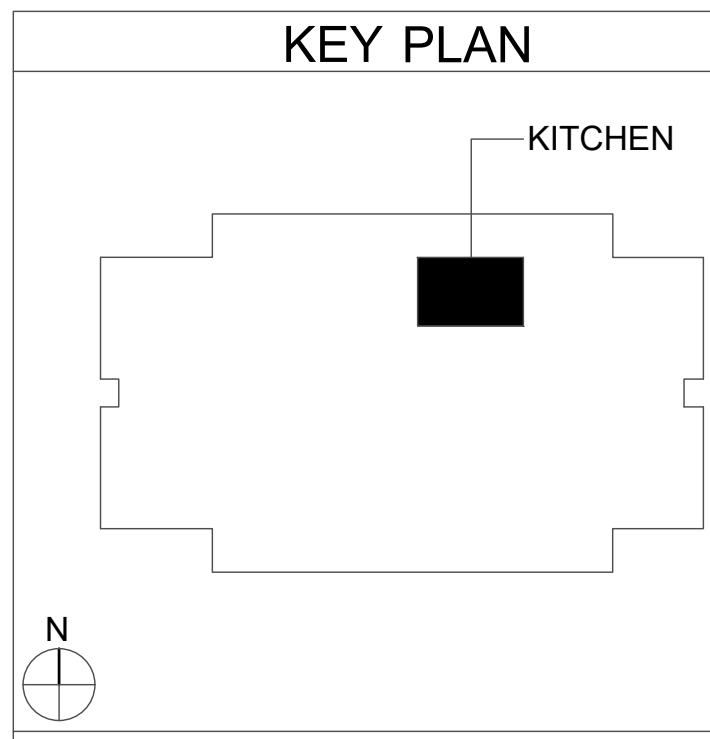
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MECHANICAL
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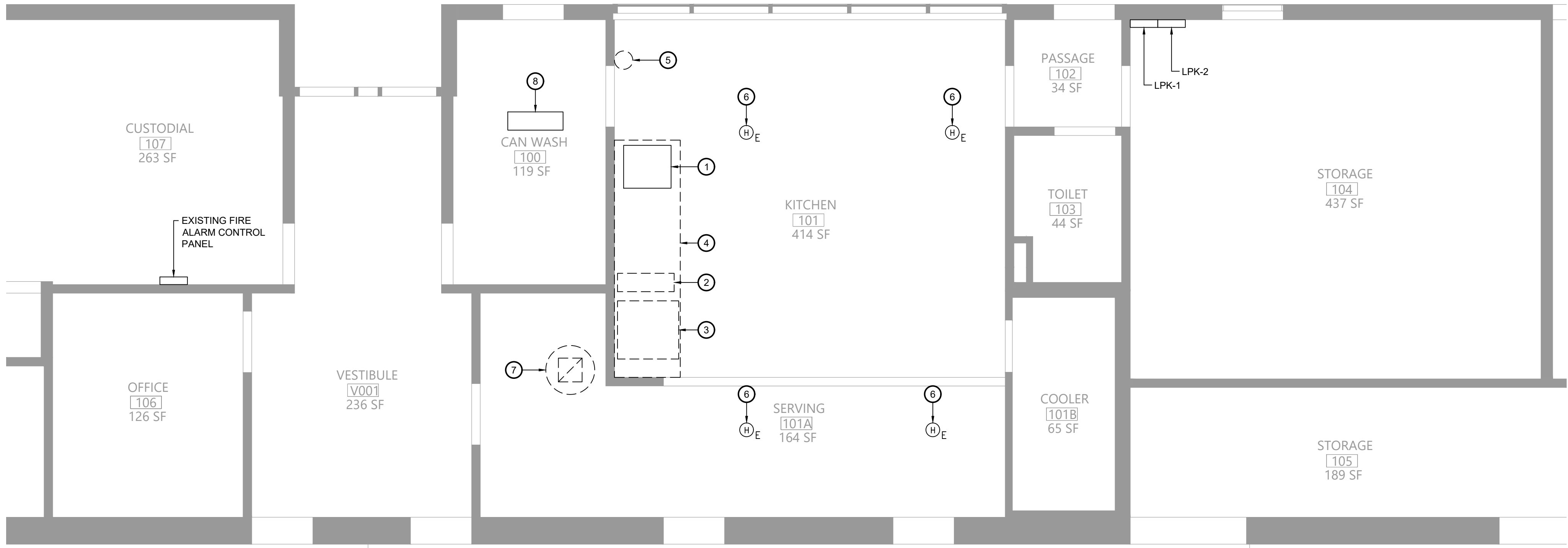
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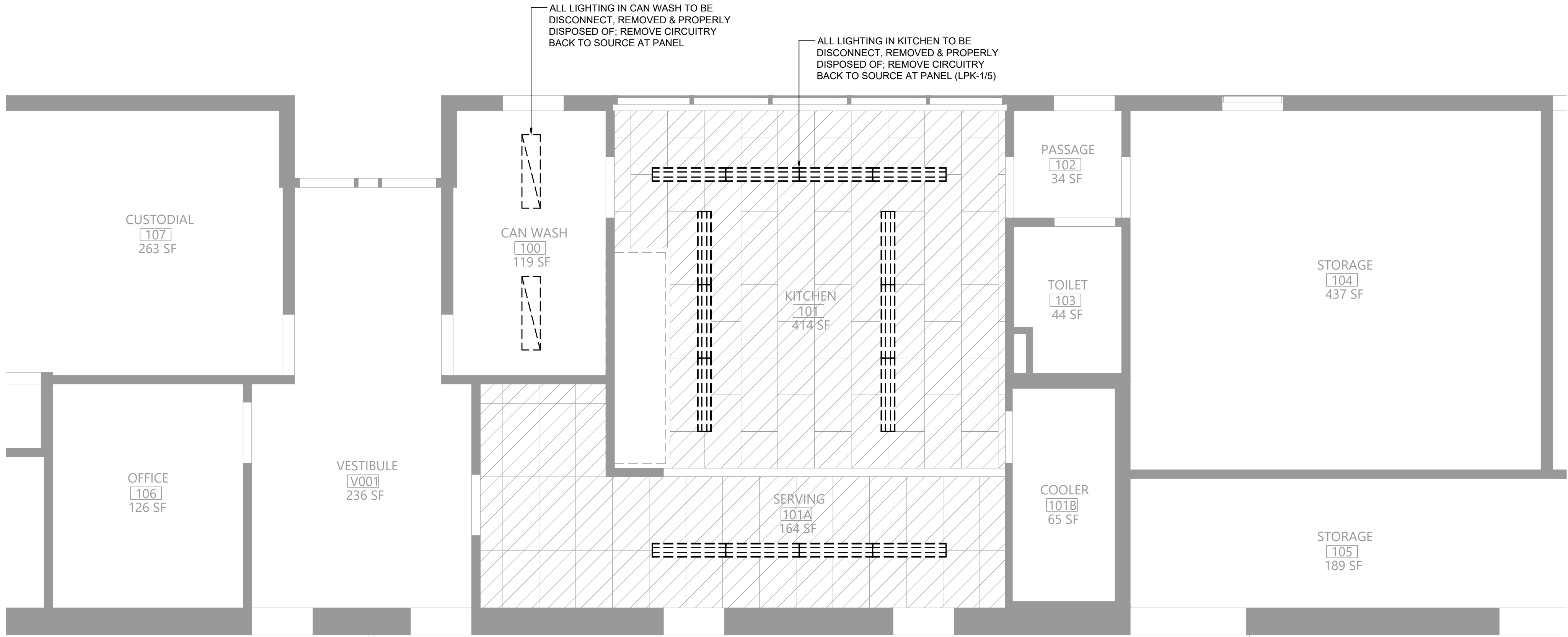
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1 Electrical Demolition Plan
E101 Scale: 1/4" = 1'-0"



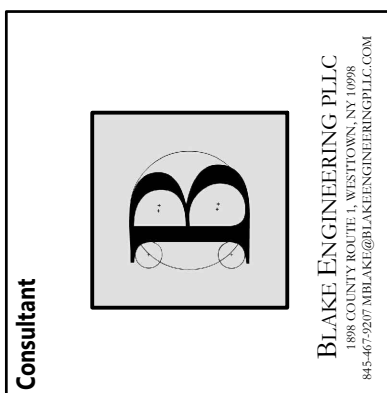
2 Lighting Demolition Plan
E101 Scale: 1/4" = 1'-0"

Key Notes:

- EXISTING ELECTRIC WARMING RACK TO BE RELOCATED
- EXISTING RANGE TO BE REMOVED, DISCONNECT & REMOVE POWER BACK TO SOURCE
- EXISTING CONVECTION OVEN TO BE REMOVED, DISCONNECT & REMOVE POWER BACK TO SOURCE (LPK-2/20,22,24)
- EXISTING KITCHEN HOOD TO BE REMOVED, DISCONNECT & REMOVE POWER FOR LIGHTING BACK TO SOURCE (LPK-1/10)
- EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM TO BE REMOVED, DISCONNECT & REMOVE FIRE ALARM CONNECTION, MAINTAIN FOR RECONNECTION TO REPLACEMENT SUPPRESSION SYSTEM
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING HEAT DETECTOR
- EXISTING EXHAUST FAN TO BE REMOVED, DISCONNECT & REMOVE POWER BACK TO SOURCE (PANEL PRMB-2 IN FAN ROOM); MAINTAIN CIRCUIT FOR RECONNECTION TO REPLACEMENT FAN
- DISCONNECT POWER SOURCE TO UNIT HEATER AND TEMPORARILY SECURE UNTIL RECONNECTION

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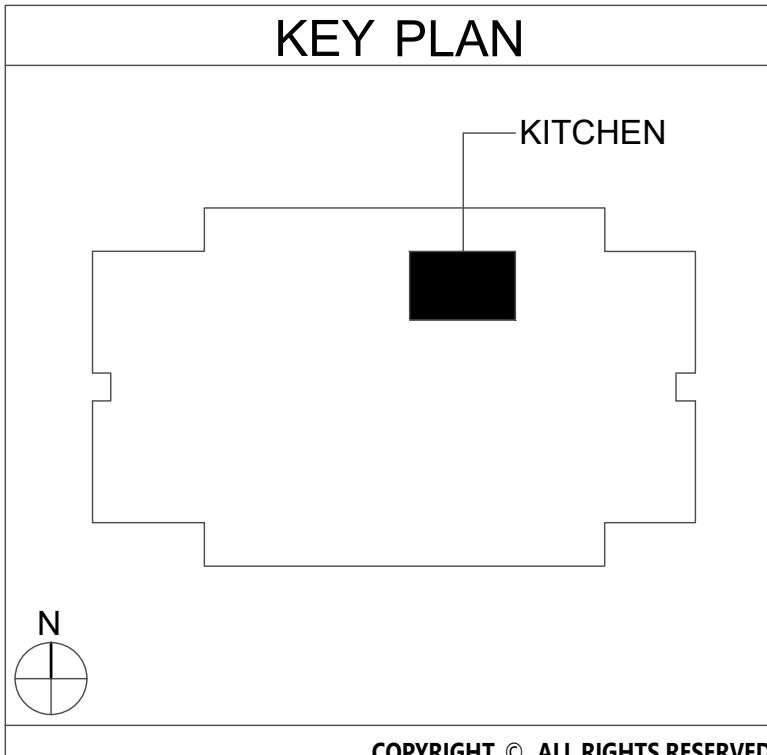
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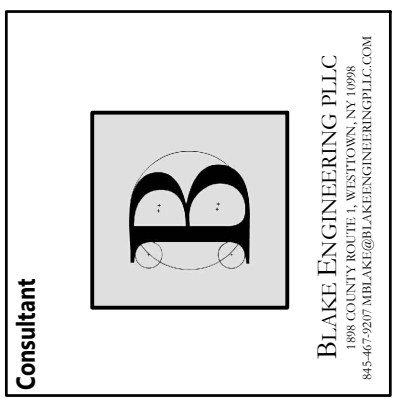
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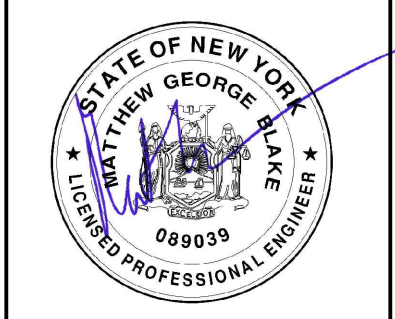
CONSTRUCTION DOCUMENTS



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ELDORADO ELEMENTARY SCHOOL

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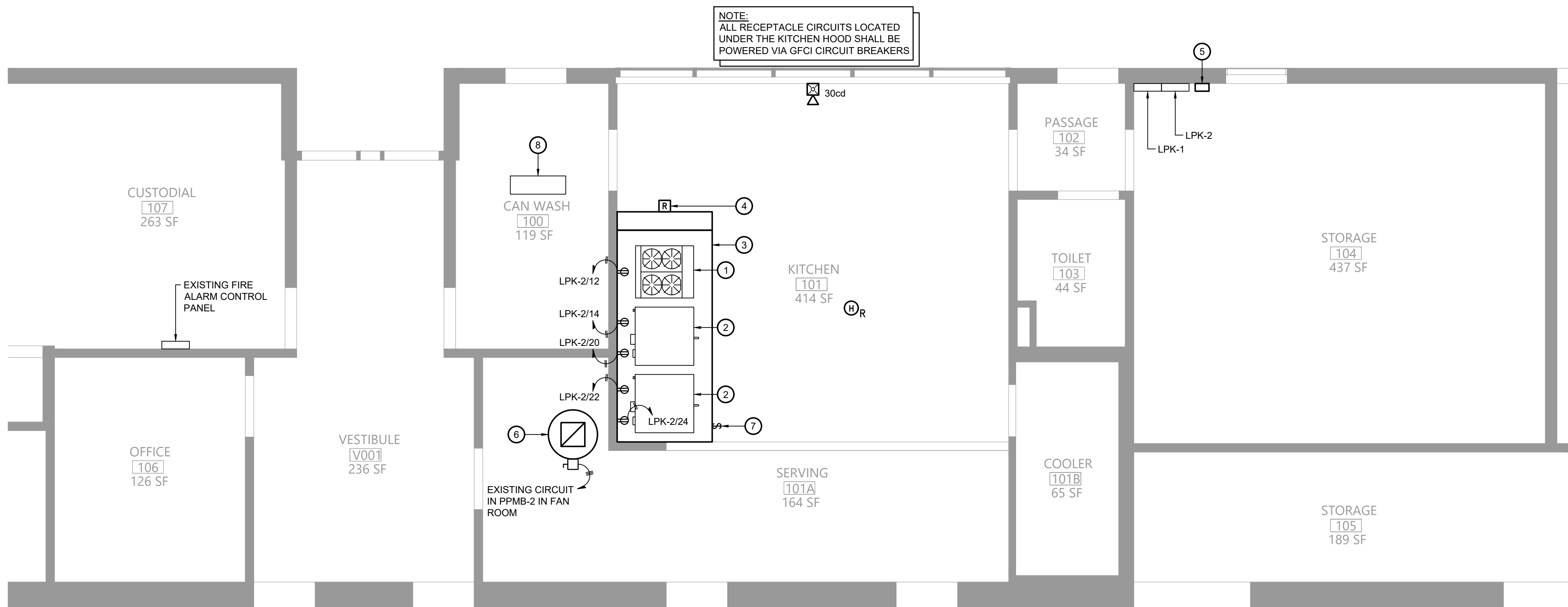
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CONSTRUCTION DOCUMENTS

Key Notes:

- NEW RANGE BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND M44R, 4 BURNER W/ OVEN, 180 MBH INPUT; 120V W/ (1) NEMA 5-15P PLUGS, 3.4A
- NEW DOUBLE CONVECTION OVEN BY KITCHEN EQUIPMENT CONTRACTOR; GARLAND MCO-GS-20-S, 120 MBH INPUT; 120V W/ (2) NEMA 5-15P PLUGS, 9.8A EACH
- KITCHEN HOOD; PROVIDE CIRCUITS FOR LIGHTING AND HOOD CONTROLS AS SHOWN; WIRE HOOD EXHAUST FAN POWER THRU HOOD CONTROLLER; SEE WIRING DIAGRAM ON SHEET EG001
- UTILITY CABINET W/ HOOD CONTROLLER AND FIRE SUPPRESSION SYSTEM; CONNECT TO EXISTING BUILDING FIRE ALARM SYSTEM; SEE FIRE SUPPRESSION SYSTEM SEQUENCE OF OPERATIONS ON SHEET EG001
- REMOTE CONTROL SWITCH IN ENCLOSURE TYPICAL OF ASCO 918 OR ACCEPTABLE EQUAL; 6 N/O AND 6 N/C CONTACTS; 120V CONTROL VOLTAGE; WIRE ALL CIRCUITS UNDER KITCHEN HOOD THRU CONTROL SWITCH; CONNECT TO HOOD CONTROLLER FOR CONTROL CIRCUIT & SHUNT TRIP
- PROVIDE 3 POLE 20A CIRCUIT TO NEW EXHAUST FAN; CONNECT TO EXISTING PANEL (PPMB-2 IN FAN ROOM); RUN POWER THRU HOOD AND THEN UP INSIDE 2ND FLOOR DUCT CHASE TO THE FAN ON THE ROOF; SEE WIRING DIAGRAM ON SHEET EG001
- EXHAUST FAN MANUAL SWITCH MOUNTED ON FACE OF HOOD; WIRE EXHAUST FAN POWER THRU CONTROLLER IN HOOD UTILITY CABINET
- RECONNECT EXISTING ELECTRICAL CIRCUIT TO UNIT HEATER



1 Electrical Plan
E111 Scale: 1/4" = 1'-0"

120/208V 3Ø 4W+G				BUS RATING: 225A								MLO	
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD			
EXISTING	EXISTING	20	1	-	-	-	2	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	3	-	-	-	4	20	(2) #12 CU & (1) #12 GND.	HOOD CONTROL CIRCUIT			
KITCHEN LIGHTING	(2) #12 CU & (1) #12 GND.	20	5	-	-	-	6	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	7	-	-	-	8	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	9	-	-	-	10	20	(2) #12 CU & (1) #12 GND.	KITCHEN HOOD LIGHTING			
EXISTING	EXISTING	20	11	-	-	-	12	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	13	-	-	-	14	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	15	-	-	-	16	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	17	-	-	-	18	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	19	-	-	-	20	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	21	-	-	-	22	20	EXISTING	EXISTING			
EXISTING	EXISTING	20	23	-	-	-	24	20	EXISTING	EXISTING			
GENERAL ELECTRIC NLAB PANEL W/ TOB BREAKERS				-	-	-	- KVA TOTAL						

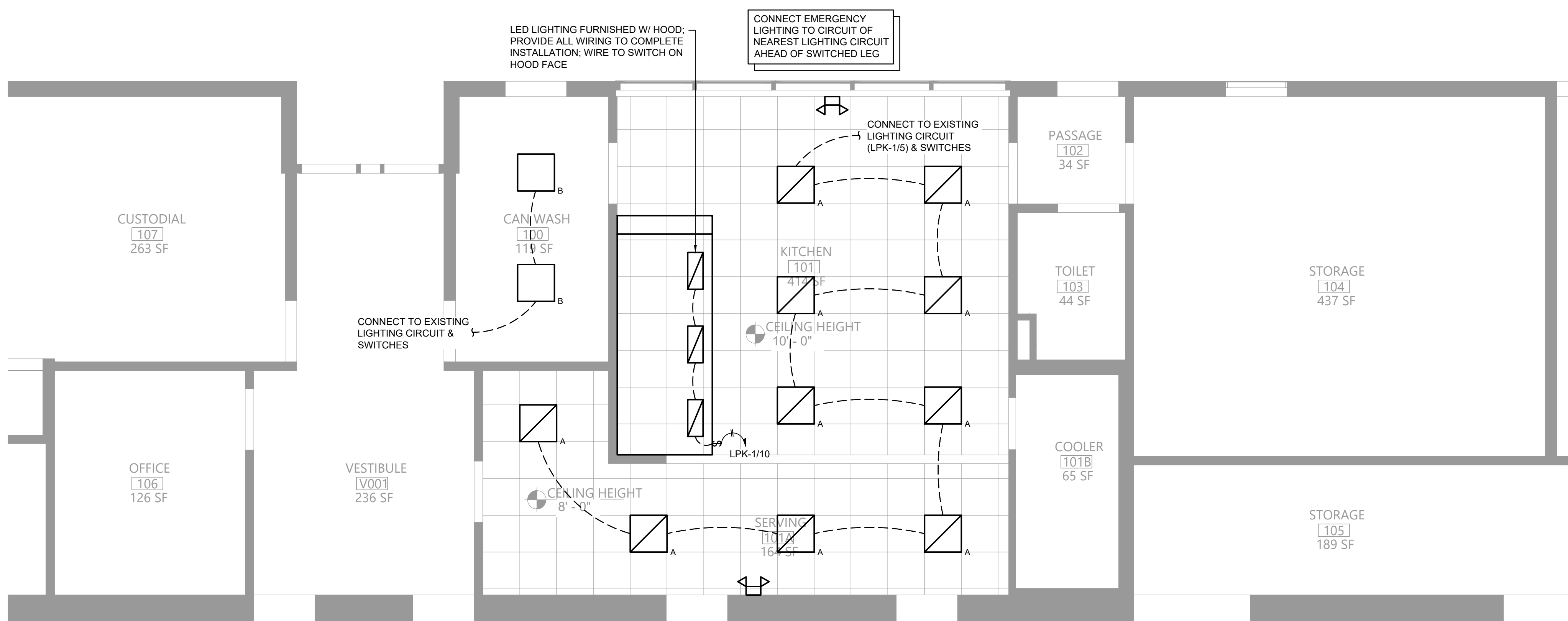
- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY; CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

3 Existing Kitchen Panelboard LPK-1
E111 Scale: None

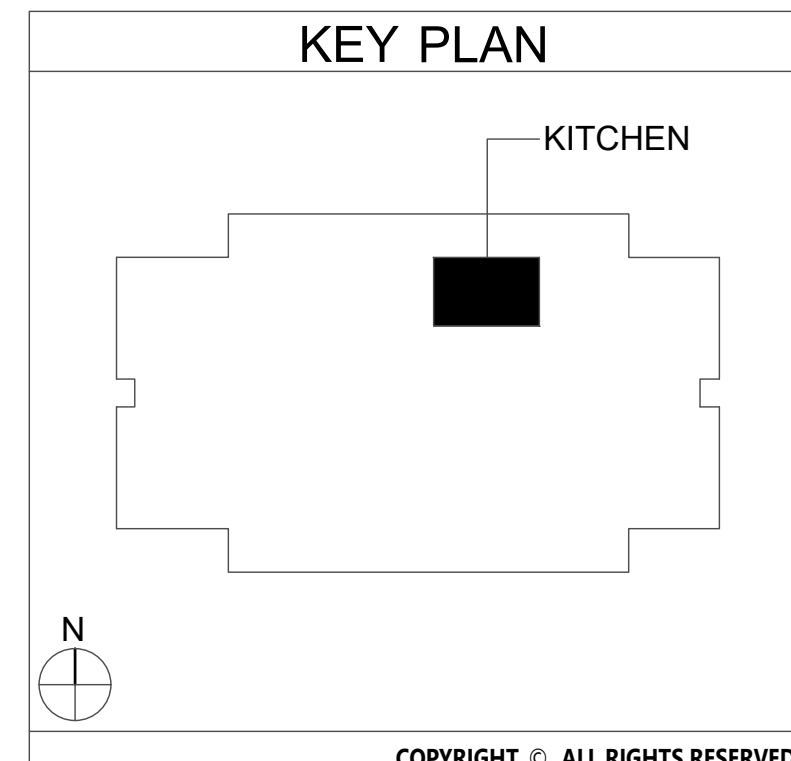
120/208V 3Ø 4W+G			BUS RATING: 225A										MLO	
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION							CKT. BREAKER AMPACITY	POSITION	CONDUCTORS	CONNECTED LOAD	
				L1 KVA	L2 KVA	L3 KVA								
EXISTING	EXISTING	20	1	-	-	-	2	20		EXISTING		EXISTING		
EXISTING	EXISTING	20	3	-	-	-	4	20		EXISTING		EXISTING		
EXISTING	EXISTING	20	5	-	-	-	6	20		EXISTING		EXISTING		
EXISTING	EXISTING	20	7	-	-	-	8	20		EXISTING		EXISTING		
			9	-	-	-	10	20		EXISTING		EXISTING		
EXISTING	EXISTING	30	11	-	-	-	12	20		(2) #12 CU & (1) #12 GND.		RANGE		
EXISTING	EXISTING	20	13	-	-	-	14	20		(2) #12 CU & (1) #12 GND.		OVEN		
			15	-	-	-	16	20						
EXISTING	EXISTING	30	17	-	-	-	18	20		EXISTING		EXISTING		
			19	-	-	-	20	20		(2) #12 CU & (1) #12 GND.		OVEN		
EXISTING		70	21	-	-	-	22	20		(2) #12 CU & (1) #12 GND.		OVEN		
	EXISTING		23	-	-	-	24	20		(2) #12 CU & (1) #12 GND.		OVEN		
GENERAL ELECTRIC NLAB PANEL W/ TOB BREAKERS				-	-	-	- KVA TOTAL							

- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY; CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

4 Existing Kitchen Panelboard LPK-2
E111 Scale: None



2 Lighting Plan
E111 Scale: 1/4" = 1'-0"



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