

No.	Issuance	Date	Rev.
1.	Construction Documents	11/10/2023	

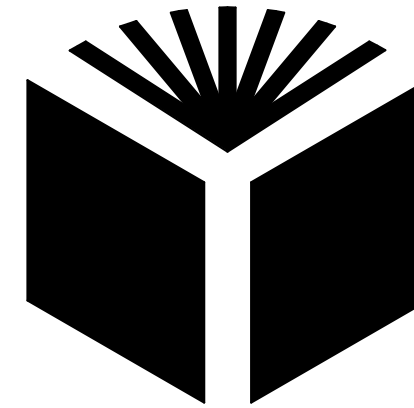
YONKERS PUBLIC SCHOOLS

One Larkin Center, Yonkers, New York 10701

EMERGENCY KITCHEN RECONSTRUCTION AT SCHOOL 9

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UNIFORM SAFETY STANDARDS FOR SCHOOL CONSTRUCTION AND MAINTENANCE PROJECTS (CONT'D)

SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES:

CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPARATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR A VAPOR, FINE DUST OR AIR INFILTRATION BARRIER, AND SHALL NOT BE USED TO SEPARATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.

- (A) A SPECIFIC STAIRWELL AND/OR ELEVATOR SHOULD BE ASSIGNED FOR CONSTRUCTION WORKER USE DURING WORK HOURS. IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF.
- (B) LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.
- (C) ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORKDAY. SCHOOL BUILDINGS OCCUPIED DURING A CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION.

A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED.

A PLAN DETAILING HOW ADEQUATE VENTILATION WILL BE MAINTAINED DURING CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60 DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE BUILDING OR AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINATES PRODUCED BY WELDING, GASOLINE OR DIESEL ENGINES, ROOFING, PAVING, PAINTING, ETC. TO ENSURE THEY DO NOT ENTER OCCUPIED PORTIONS OF THE BUILDING OR AIR INTAKES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF-GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNITURE, CARPETING, WALL COVERING, DRAPERY, ETC. ARE SCHEDULED, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE A SPACE CAN BE OCCUPIED.

LARGE AND SMALL ASBESTOS ABATEMENT PROJECTS AS DEFINED BY 12NYCRR56 SHALL NOT BE PERFORMED WHILE THE BUILDING IS OCCUPIED". NOTE, IT IS OUR INTERPRETATION THAT THE TERM "BUILDING", AS REFERENCED IN THIS SECTION, MEANS A WING OR MAJOR SECTION OF A BUILDING THAT CAN BE COMPLETELY ISOLATED FROM THE REST OF THE BUILDING WITH SEALED NON COMBUSTIBLE CONSTRUCTION. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION AND VENTILATION SYSTEMS MUST BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER. EXTERIOR WORK SUCH AS ROOFING, FLASHING, SIDING, OR SOFFIT WORK MAY BE PERFORMED ON OCCUPIED BUILDINGS PROVIDED PROPER VARIANCES ARE IN PLACE AS REQUIRED, AND COMPLETE ISOLATION OF VENTILATION SYSTEMS AND AT WINDOWS IS PROVIDED. CARE MUST BE TAKEN TO SCHEDULE WORK SO THAT CLASSES ARE NOT DISRUPTED BY NOISE OR VISUAL DISTRACTION.

SURFACES THAT WILL BE DISTURBED BY RECONSTRUCTION MUST HAVE A DETERMINATION MADE AS TO THE PRESENCE OF LEAD. PROJECTS WHICH DISTURB SURFACES THAT CONTAIN LEAD SHALL HAVE IN THE SPECIFICATIONS A PLAN PREPARED BY A CERTIFIED LEAD RISK ASSESSOR OR SUPERVISOR WHICH DETAILS PROVISIONS FOR OCCUPANT PROTECTION, WORKSITE PREPARATION, WORK METHODS, CLEANING AND CLEARANCE TESTING WHICH ARE IN GENERAL ACCORDANCE WITH THE HUD GUIDELINES.

PROJECT INFORMATION

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YONKERS, NEW YORK 10701

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PROJECT LOCATION SCHOOL 9
53 FAIRVIEW STREET
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TYPE OF PROJECT EMERGENCY RECONSTRUCTION

NYSED NUMBER 66-23-00-01-0-009-011

PROJECT COMMENCEMENT FALL 2023

PROJECT COMPLETION WINTER 2023

APPLICABLE CODES 2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

1998 MANUAL OF PLANNING STANDARDS, THE UNIVERSITY OF THE STATE OF NEW YORK, THE STATE EDUCATION DEPARTMENT

WORK AREA ALTERATION LEVEL 1

PROJECT DESCRIPTION

THE SCOPE OF THIS PROJECT CONCERNS THE IN-KIND EMERGENCY RECONSTRUCTION OF EXTERIOR AND INTERIOR BUILDING ELEMENTS OF AN APPENDAGE ADDITION SERVING AS THE KITCHEN FACILITIES FOLLOWING DAMAGE TO THE CORNER OF THE STRUCTURE. WORK INCLUDES THE REPLACEMENT OF EXTERIOR MASONRY WALLS, ASSOCIATED DOOR, WINDOW, AND INTERIOR FLOORING AND CEILING SYSTEMS AS WELL AS THE NECESSARY MECHANICAL COMPONENTS (DUCTING, ANSUL REPAIRS, HOOD REPLACEMENT) TO ENSURE OPERATION OF FOOD SERVICE PREPARATION FOR THE SCHOOL.

UNIFORM SAFETY STANDARDS FOR SCHOOL CONSTRUCTION AND MAINTENANCE PROJECTS

THE OCCUPIED PORTION OF THE EXISTING SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY.

ALL SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OR DEMOLITION HAVE BEEN OR WILL BE TESTED FOR LEAD AND ASBESTOS.

GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS:

- (A) ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.
- (B) FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.
- (C) GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.
- (D) DURING EXTERIOR RENOVATION WORK, OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SIGNS TO PREVENT ENTRY.
- (E) WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES.

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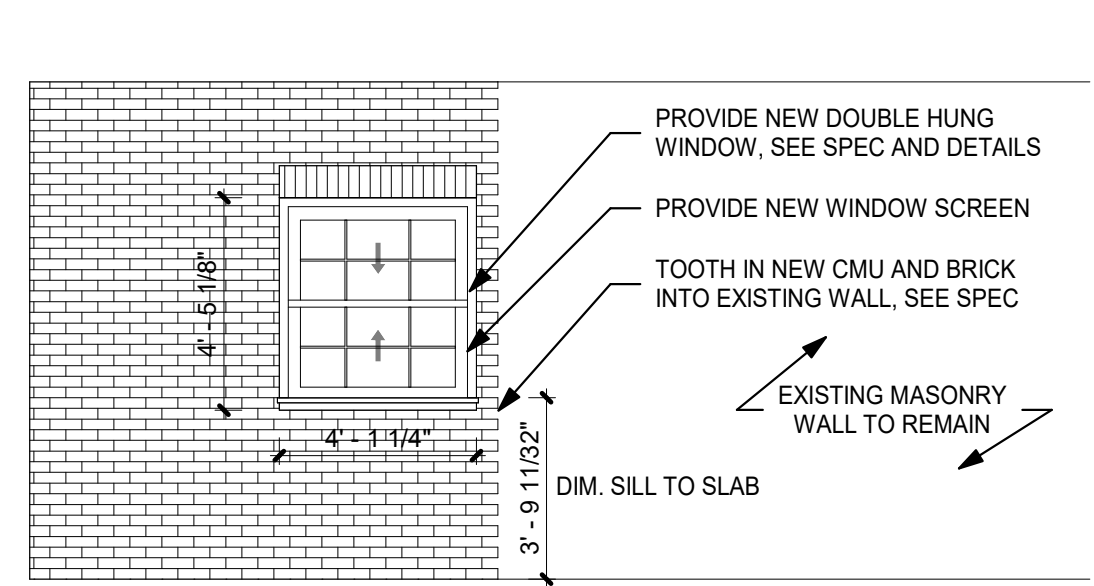
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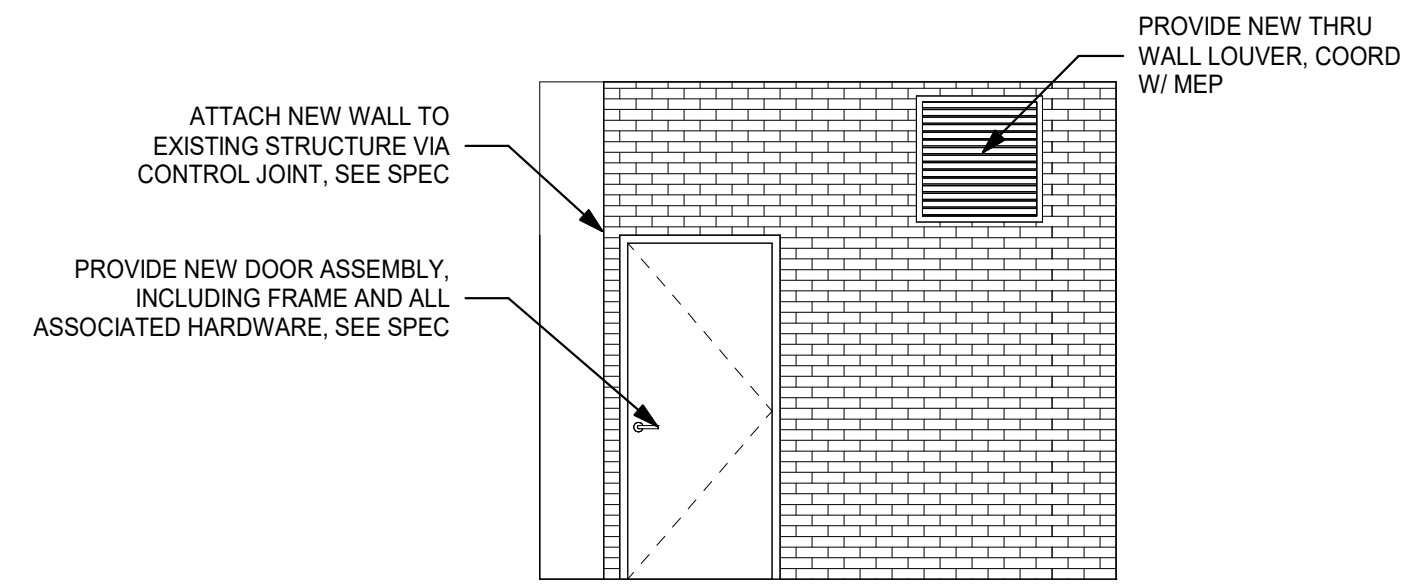
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Sheet Number

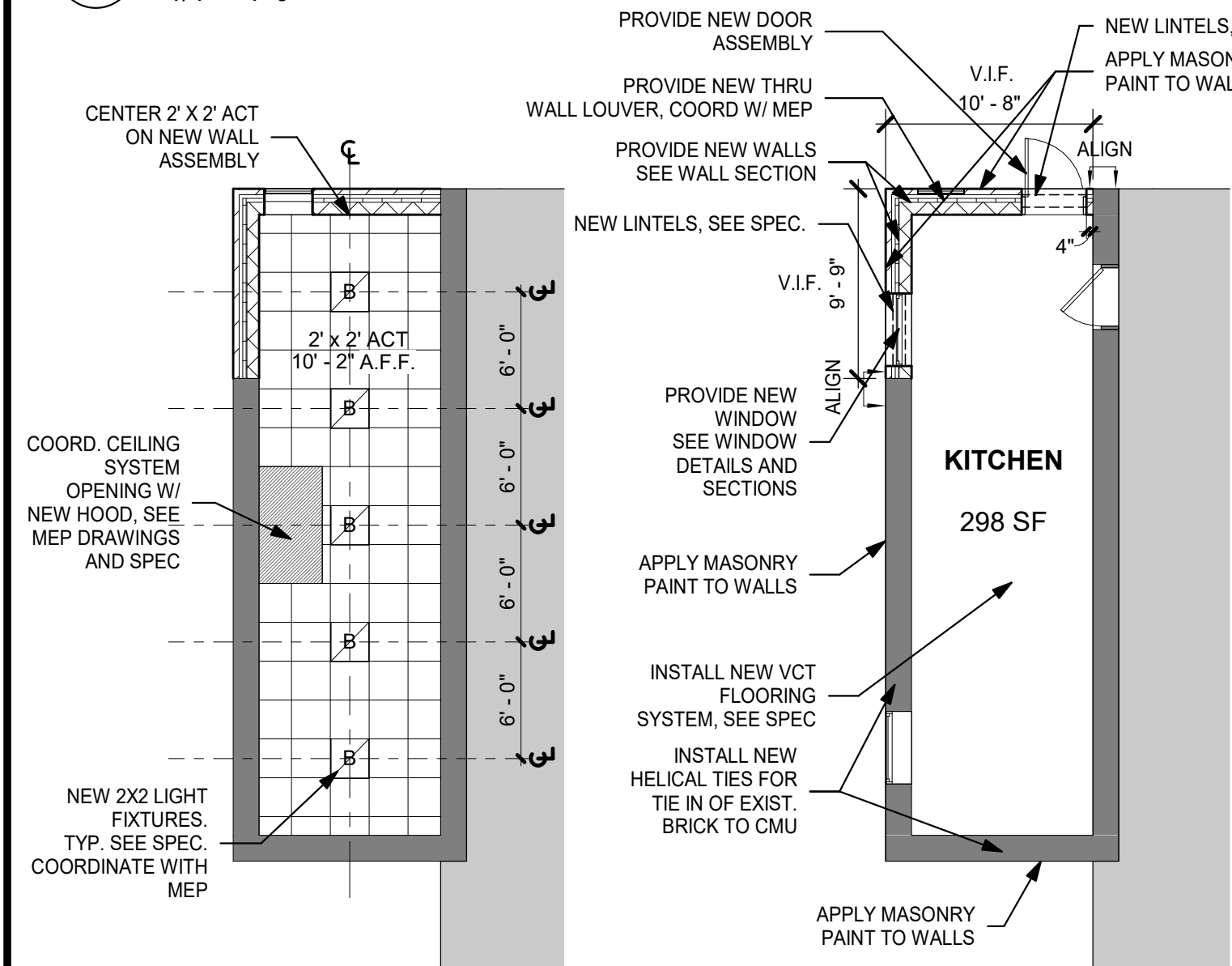
G001



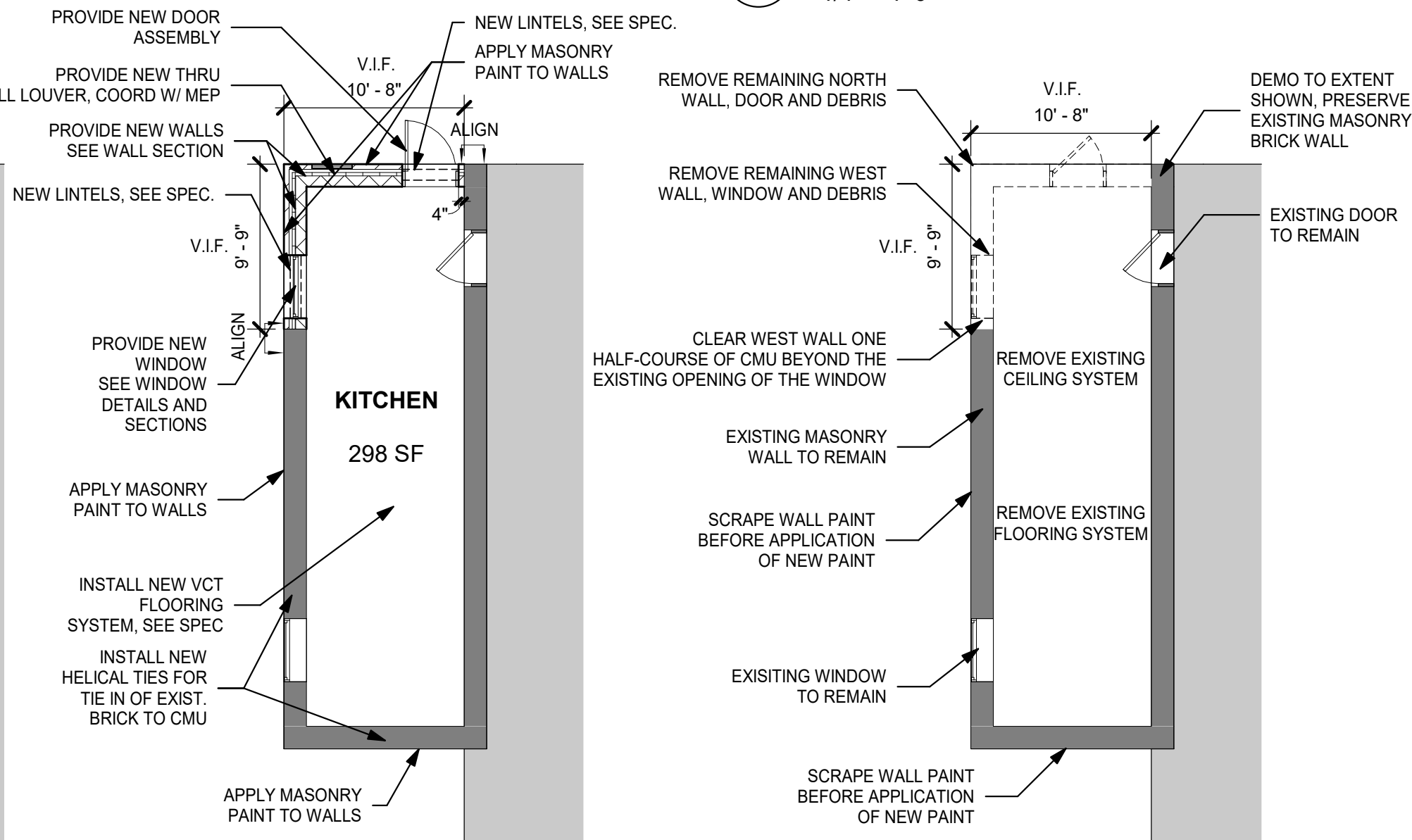
6 WEST ELEVATION
1/4" = 1'-0"



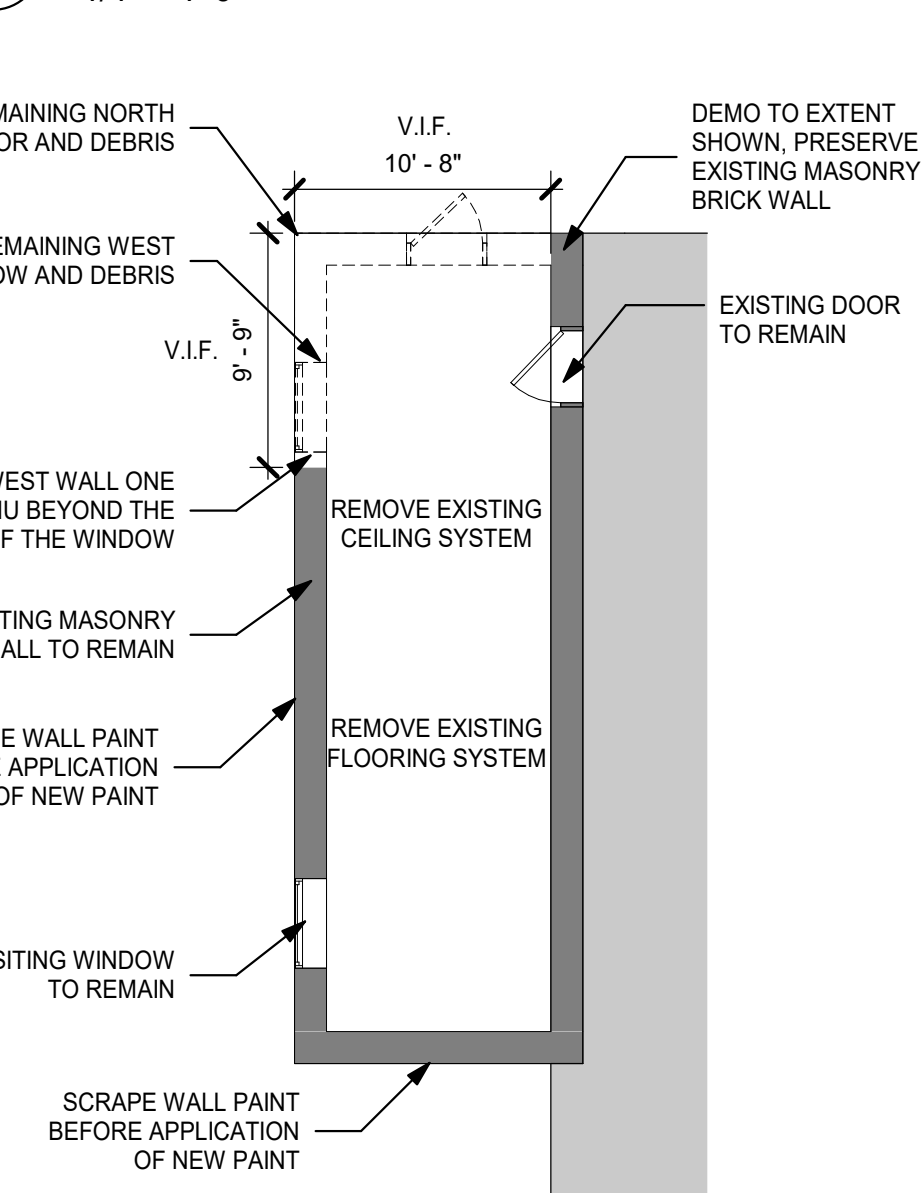
5 NORTH ELEVATION
1/4" = 1'-0"



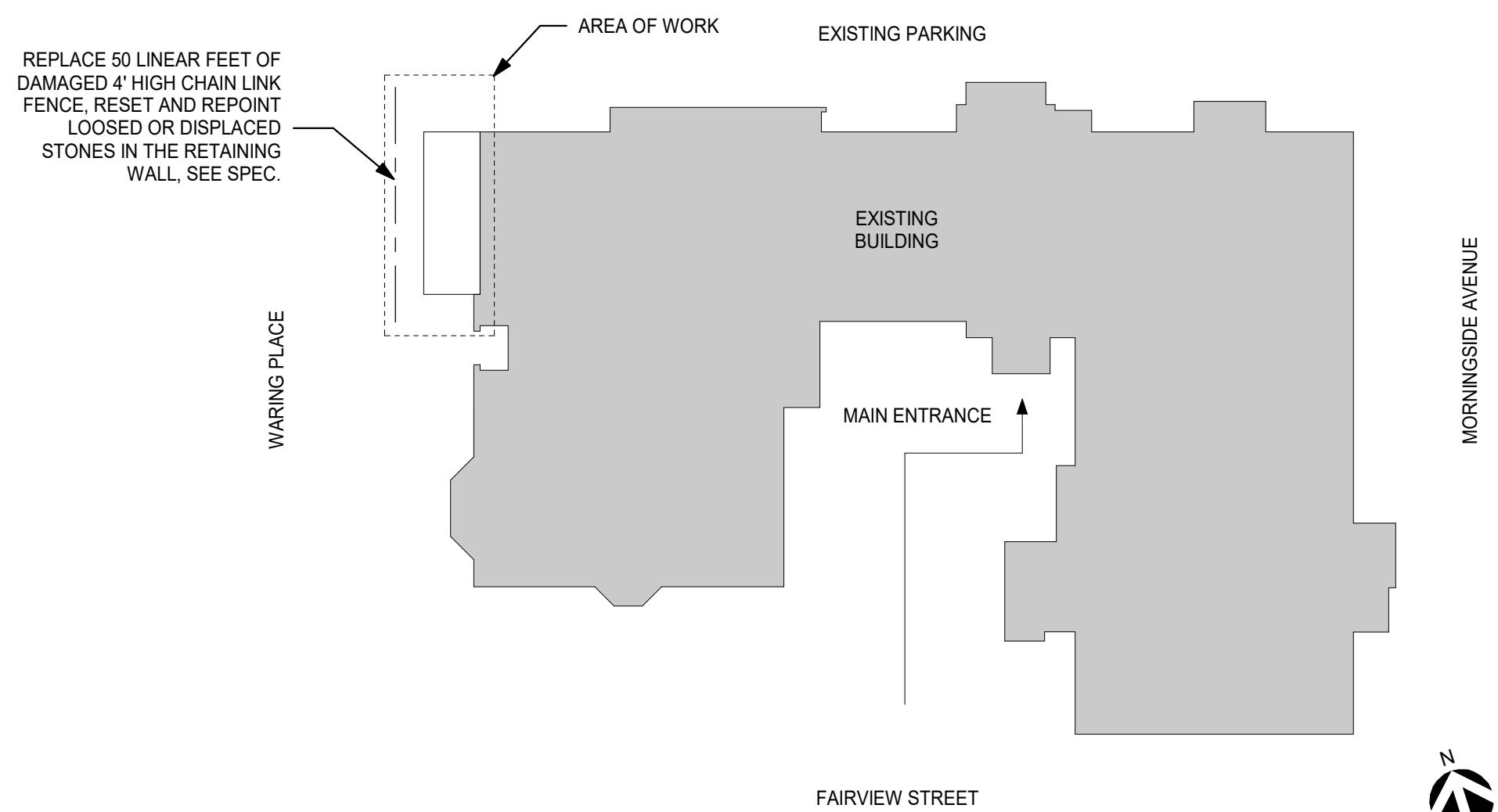
4 1ST FLOOR RCP
1/8" = 1'-0"



3 1ST FLOOR - NEW CONSTRUCTION
1/8" = 1'-0"



2 DEMO - 1ST FLOOR
1/8" = 1'-0"



1 KEY PLAN
1/32" = 1'-0"

OUTLINE SPECIFICATION

01 10 00 - SUMMARY OF WORK

NOTE: SEE PROJECT SUMMARY ON G001

- SCOPE OF WORK, LOCATION, AND OTHER DATA IS INDICATED BY DRAWING CONTENT.
- AMEND EXISTING CMU AND BRICK WALL, WITH NEW DOOR AND WINDOW ASSEMBLIES, AS INSTRUCTED IN DRAWING CONTENT.
- REPLACE OR REPOINT 100 S.F. OF LOOSENEED, DAMAGED OR DISPLACED RETAINING WALL STONES AT SIDEWALK.
- REPLACE UP TO 50 LINEAR FEET OF DAMAGED 4' HIGH CHAIN LINK FENCE AND 2" THICK POSTS IN STONE RETAINING WALL.
- PROVIDE NEW ACT CEILING AND LIGHTING SYSTEMS AS INSTRUCTED IN DRAWING CONTENT, REMOVE AND DISPOSE OF EXISTING CEILING AND LIGHTING SYSTEMS.
- PROVIDE WORK IN ACCORDANCE WITH REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA), INCLUDING LATEST AMENDMENTS. WHERE WORK SHOWN DOES NOT COMPLY WITH THE ADA, HALT THE EFFECTED WORK AND REQUEST WRITTEN INSTRUCTIONS FROM THE ARCHITECT PRIOR TO PROCEEDING.
- PROVIDE A CLEAR AND LEVEL AREA ON EACH SIDE OF EXIT DOORS WITH A LENGTH OF AT LEAST 60-INCHES IN THE DIRECTION OF THE DOOR SWING AND AT LEAST 48-INCHES IN THE OPPOSITE DIRECTION, MEASURED AT RIGHT ANGLE TO DOOR IN ITS CLOSED POSITION.
- PROVIDE LEVER TYPE HARDWARE COMPLYING WITH ADA REQUIREMENTS.

04 20 00 - CONCRETE MASONRY UNITS

- SUMMARY: THIS SECTION INCLUDES UNIT MASONRY ASSEMBLIES CONSISTING OF THE FOLLOWING:
 - CONCRETE MASONRY UNITS. (CMU)
 - FACE BRICK.
 - MORTAR AND GROUT.
 - TIES AND ANCHORS.
 - PREFABRICATED MASONRY LINTELS.
- SUBMITTALS
 - PRODUCT DATA: FOR EACH DIFFERENT MASONRY UNIT, MORTAR MATERIAL, ACCESSORY, AND OTHER MANUFACTURED PRODUCT SPECIFIED.
 - SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION DETAILS. COMPLY WITH ACI 315, "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT."
 - SAMPLES FOR INITIAL SELECTION: FOR THE FOLLOWING:
 - COLOR MORTAR SAMPLES IN SMALL-SCALE FORM SHOWING THE FULL RANGE OF COLORS AND TEXTURES AVAILABLE FOR EACH DIFFERENT EXPOSED MORTAR COLOR REQUIRED.
 - SAMPLES FOR VERIFICATION: FOR THE FOLLOWING:
 - FULL-SIZE UNITS FOR EACH DIFFERENT EXPOSED MASONRY UNIT REQUIRED, SHOWING THE FULL RANGE OF EXPOSED COLORS, TEXTURES, AND DIMENSIONS TO BE EXPECTED IN THE COMPLETED CONSTRUCTION.
 - COLOR MORTAR SAMPLES, FOR EACH MORTAR COLOR REQUIRED, SHOWING THE FULL RANGE EXPECTED IN THE FINISHED CONSTRUCTION. MAKE SAMPLES USING THE SAME SAND AND MORTAR INGREDIENTS TO BE USED ON PROJECT. LABEL SAMPLES TO INDICATE TYPE AND AMOUNT OF COLORANT USED.
 - WEEP HOLES/VENTS IN COLOR TO MATCH MORTAR COLOR
 - ACCESSORIES EMBEDDED IN THE MASONRY.
- QUALITY ASSURANCE. MASONRY STANDARD: COMPLY WITH REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES, ACI 530.1/ASCE 6/TSM 602" PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, EXCEPT WHEN MORE STRINGENT REQUIREMENTS ARE SPECIFIED AND AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.
- DELIVERY, STORAGE, AND HANDLING
 - STORE MASONRY UNITS ON ELEVATED PLATFORMS IN A DRY LOCATION. IF UNITS ARE NOT STORED IN AN ENCLOSED LOCATION, COVER TOPS AND SIDES OF STACKS WITH WATERPROOF SHEETING, SECURELY TIED. IF UNITS BECOME WET, DO NOT INSTALL UNTIL THEY ARE DRY.
 - STORE CEMENTITIOUS MATERIALS ON ELEVATED PLATFORMS, UNDER COVER, AND IN A DRY LOCATION. DO NOT USE CEMENTITIOUS MATERIALS THAT HAVE BECOME DAMP.
 - DELIVER PREBLENDED, DRY MORTAR MIX IN MOISTURE-RESISTANT CONTAINERS DESIGNED FOR LIFTING AND EMPTYING INTO DISPENSING SILO. STORE PREBLENDED, DRY MORTAR MIX IN DELIVERY CONTAINERS ON ELEVATED PLATFORMS, UNDER COVER, AND IN A DRY LOCATION OR IN A METAL DISPENSING SILO WITH WEATHERPROOF COVER.
- CONCRETE MASONRY UNITS
 - CONCRETE MASONRY UNITS (CMU): ASTM C 90 WITH MINIMUM AVERAGE NET-AREA COMPRESSIVE STRENGTH OF 1900 PSI; LIGHTWEIGHT; AND AS FOLLOWS:
 - SIZE: MANUFACTURED TO THE FOLLOWING DIMENSIONS: 16 INCHES (407 MM) BY 8 INCHES (203 MM) NOMINAL; 7-5/8 INCHES (194 MM) BY 15-5/8 INCHES (397 MM) ACTUAL; BY THICKNESS INDICATED. BLOCKS ADJACENT TO BASE BLOCKS TO BE MANUFACTURED AT A 4 INCH THICKNESS, NOMINAL 3-5/8 INCHES.
 - EXPOSED FACES: MANUFACTURER'S STANDARD COLOR AND TEXTURE, UNLESS OTHERWISE INDICATED.
 - PROVIDE U.L. CLASSIFIED UNITS FOR RATED WALLS, OR UNITS MEETING THE FIRE RESISTANCE RATINGS BY EQUIVALENT CONCRETE MASONRY THICKNESS.

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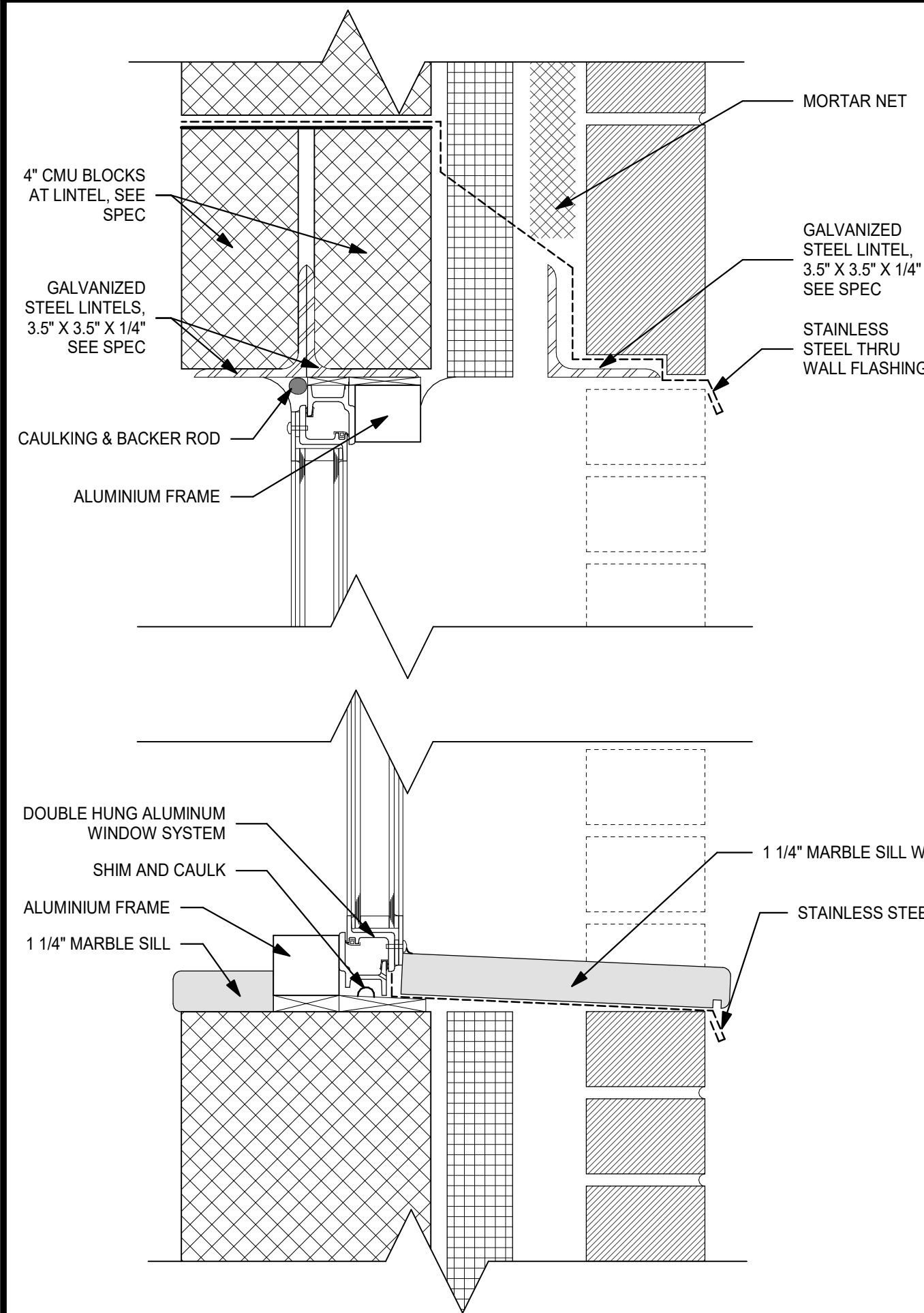
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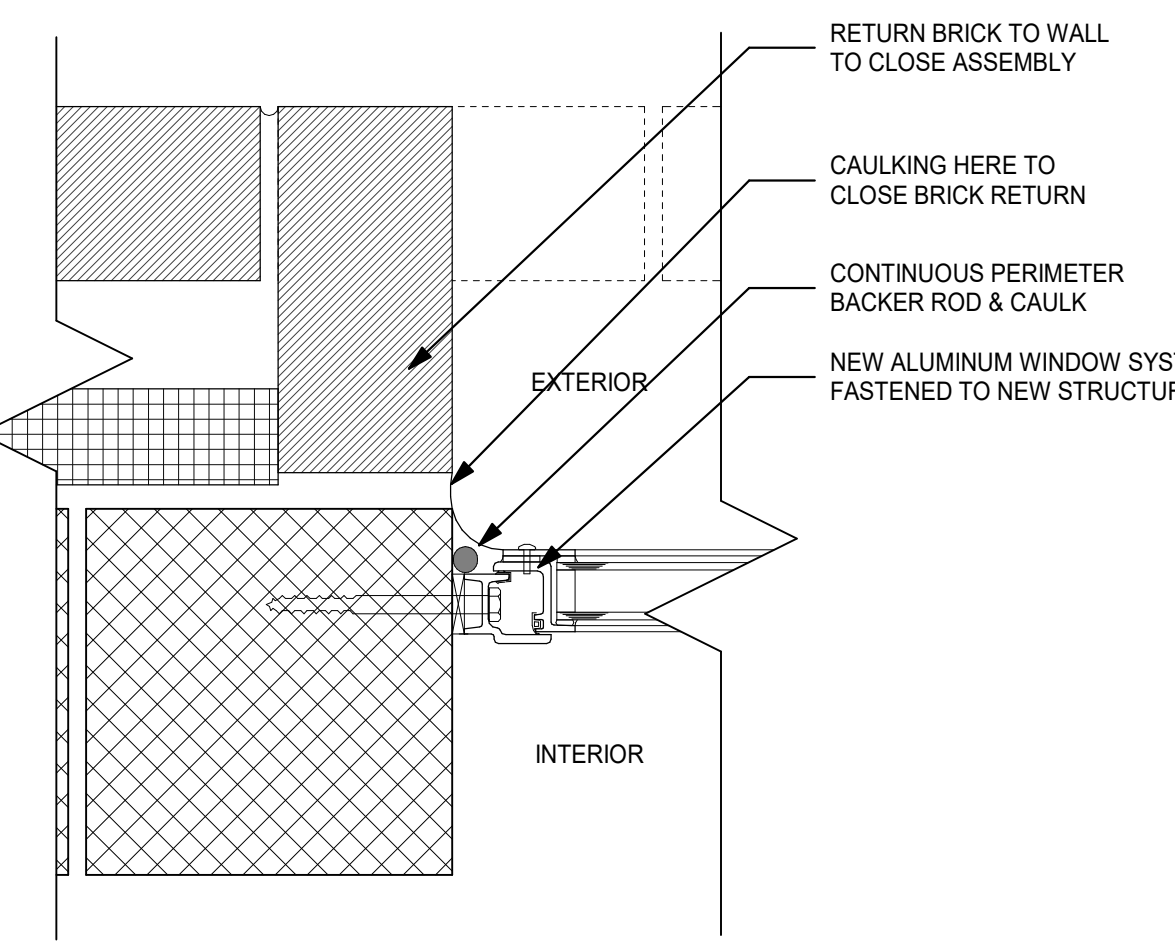
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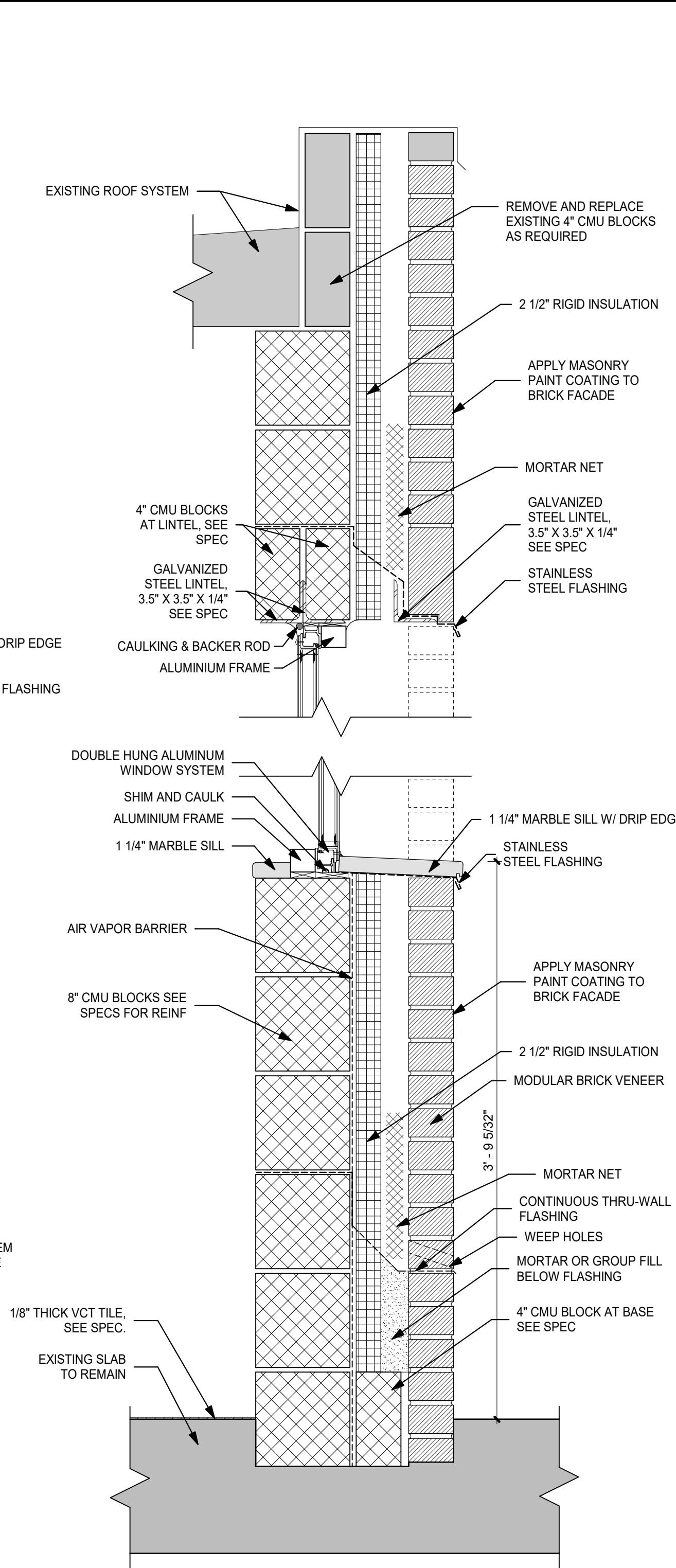
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A200



4 SILL AND HEAD DETAIL
3" = 1'-0"



5 JAMB DETAIL
3" = 1'-0"



2 SECTION AT WINDOW
1 1/2" = 1'-0"

04 20 00 — CONCRETE MASONRY UNITS - CONTINUED

- 6. BRICK
 - A. GENERAL: PROVIDE SHAPES INDICATED AS FOLLOWS FOR EACH FORM OF BRICK REQUIRED.
 - 1. PROVIDE UNITS WITHOUT CORES OR FROGS AND WITH EXPOSED SURFACES FINISHED FOR ENDS OF SILLS AND CAPS AND FOR SIMILAR APPLICATIONS THAT WOULD OTHERWISE EXPOSE UNFINISHED BRICK SURFACES.
 - 2. PROVIDE LIPPED BRICK AT STEEL RELIEVING ANGLES AS INDICATED ON DRAWINGS.
 - B. FACE BRICK: ASTM C 216, GRADE SW, TYPE FBS, AND AS FOLLOWS:
 - 1. UNIT COMPRESSIVE STRENGTH: PROVIDE UNITS WITH MINIMUM AVERAGE NET-AREA COMPRESSIVE STRENGTH OF 3000 PSI.
 - 2. INITIAL RATE OF ABSORPTION: LESS THAN 30 G/30 SQ. IN. PER MINUTE WHEN TESTED PER ASTM C 67.
 - 3. EFFLORESCENCE: PROVIDE BRICK THAT HAS BEEN TESTED ACCORDING TO ASTM C 67 AND IS RATED "NOT EFFLORESCED"
 - 4. TYPE: MATCH EXISTING
 - 5. SIZES:
 - A. MODULAR: 3-5/8" W X 2-1/4" H X 7-5/8" L
 - B. PROVIDE OTHER SHAPES AND SIZES AS INDICATED ON THE DRAWINGS.
 - 6. COLORS: MATCH EXISTING.
 - 7. TEXTURE: MATCH EXISTING.
 - C. MORTAR AND GROUT MATERIALS
 - A. PORTLAND CEMENT: ASTM C 150, TYPE I OR II, EXCEPT TYPE III MAY BE USED FOR COLD-WEATHER CONSTRUCTION. PROVIDE NATURAL COLOR CEMENT.
 - 1. FOR CONCRETE BLOCK WORK, PROVIDE NATURAL COLOR CEMENT.
 - 2. FOR CAST STONE, STONE, AND BRICKWORK, PROVIDE NATURAL COLOR OR WHITE CEMENT AS REQUIRED TO PRODUCE REQUIRED MORTAR COLORS.
 - B. HYDRATED LIME: ASTM C 207, TYPE S.
 - C. PORTLAND CEMENT-LIME MIX: PACKAGED BLEND OF PORTLAND CEMENT COMPLYING WITH ASTM C 150, TYPE I OR TYPE III, AND HYDRATED LIME COMPLYING WITH ASTM C 207.
 - D. MASONRY CEMENT: NOT PERMITTED.
 - E. AGGREGATE FOR MORTAR: ASTM C 144; EXCEPT FOR JOINTS LESS THAN 1/4 INCH (6.5 MM) THICK, USE AGGREGATE GRADED WITH 100 PERCENT PASSING THE NO. 16 (1.18-MM) SIEVE.
 - F. AGGREGATE FOR GROUT: ASTM C 404.
 - G. MORTAR PIGMENTS: NATURAL AND SYNTHETIC IRON OXIDES, COMPOUNDED FOR MORTAR MIXES. USE ONLY PIGMENTS WITH A RECORD OF SATISFACTORY PERFORMANCE IN MASONRY MORTARS.
 - H. WATER: POTABLE.
- 7. TIES AND ANCHORS, GENERAL
 - A. GENERAL: PROVIDE TIES AND ANCHORS, SPECIFIED IN SUBSEQUENT ARTICLES, MADE FROM MATERIALS THAT COMPLY WITH THIS ARTICLE, UNLESS OTHERWISE INDICATED.
 - B. MILL GALVANIZED CARBON-STEEL WIRE: ASTM A 82; WITH ASTM A 641 (ASTM A 641M), CLASS 1 COATING.
 - C. HOT-DIP GALVANIZED CARBON-STEEL WIRE: ASTM A 82; WITH ASTM A 153, CLASS B-2 COATING.
 - D. STEEL SHEET, GALVANIZED AFTER FABRICATION: ASTM A 366/A 366M COLD-ROLLED, CARBON-STEEL SHEET HOT-DIP GALVANIZED AFTER FABRICATION TO COMPLY WITH ASTM A 153
 - E. STEEL PLATES, SHAPES, AND BARS: ASTM A 36/A 36M.
- 8. CAVITY-WALL INSULATION
 - A. EXTRUDED-POLYSTYRENE BOARD INSULATION: ASTM C 578, TYPE X, 15-PSI MINIMUM COMPRESSIVE STRENGTH, WITH MAXIMUM FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF 25 AND 450, RESPECTIVELY, PER ASTM E 84.
 - 1. THICKNESS: AS INDICATED ON DRAWINGS.
 - 2. FIRE PROPAGATION CHARACTERISTICS: PASSES NFPA 285 TESTING AS PART OF AN APPROVED ASSEMBLY.
 - 3. EDGES: SQUARE EDGE.
 - B. TAPE FOR SEALING JOINTS IN INSULATION: TYPE RECOMMENDED BY INSULATION BOARD MANUFACTURER FOR APPLICATION INDICATED.
 - C. ADHESIVE: TYPE RECOMMENDED BY INSULATION BOARD MANUFACTURER FOR APPLICATION INDICATED.
- 9. INSTALLATION, GENERAL
 - A. FOR COLD-WEATHER CONSTRUCTION COMPLY WITH REQUIREMENTS CONTAINED IN ACI 530.1-05
 - B. THICKNESS: BUILD CAVITY AND COMPOSITE WALLS AND OTHER MASONRY CONSTRUCTION TO THE FULL THICKNESS SHOWN. BUILD SINGLE-WYTHE WALLS TO THE ACTUAL WIDTHS OF MASONRY UNITS, USING UNITS OF WIDTHS INDICATED.
 - C. BUILD CHASES AND RECESSES TO ACCOMMODATE ITEMS SPECIFIED IN THIS SECTION AND IN OTHER SECTIONS OF THE SPECIFICATIONS.
 - D. LEAVE OPENINGS FOR EQUIPMENT TO BE INSTALLED BEFORE COMPLETING MASONRY. AFTER INSTALLING EQUIPMENT, COMPLETE MASONRY TO MATCH THE CONSTRUCTION IMMEDIATELY ADJACENT TO THE OPENING.
- 10. CONTROL JOINTS
 - A. GENERAL: INSTALL VERTICAL CONTROL JOINTS AT ONE SIDE OF ALL DOORWAYS LOCATIONS WHERE INDICATED. BUILD-IN RELATED ITEMS AS MASONRY PROGRESSES.
 - B. FORM CONTROL JOINTS IN CONCRETE MASONRY WITH PREFORMED CONTROL-JOINT GASKETS DESIGNED TO FIT STANDARD SASH BLOCK.
- 11. LINTELS
 - A. INSTALL STEEL LINTELS WHERE INDICATED
 - B. PROVIDE MASONRY LINTELS WHERE SHOWN. PROVIDE PREFABRICATED OR BUILT-IN-PLACE MASONRY LINTELS. USE SPECIALLY FORMED BOND BEAM UNITS WITH REINFORCING BARS PLACED AS INDICATED AND FILLED WITH COARSE GROUT. CURE PRECAST LINTELS BEFORE HANDLING AND INSTALLING. TEMPORARILY SUPPORT BUILT-IN-PLACE LINTELS UNTIL CURED.
 - C. PROVIDE LINTEL SIZES AS DRAWN IN DETAILS

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A201

**EMERGENCY KITCHEN
RECONSTRUCTION AT
SCHOOL 9**

**YONKERS PUBLIC SCHOOLS
53 FAIRVIEW STREET,
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**LEGEND, REMOVAL
NOTES, AND PART
FIRST FLOOR PLAN**

Job No. 11/10/2023

Scale AS NOTED Drawn / Checked BGA/BGA

Sheet Number

M201

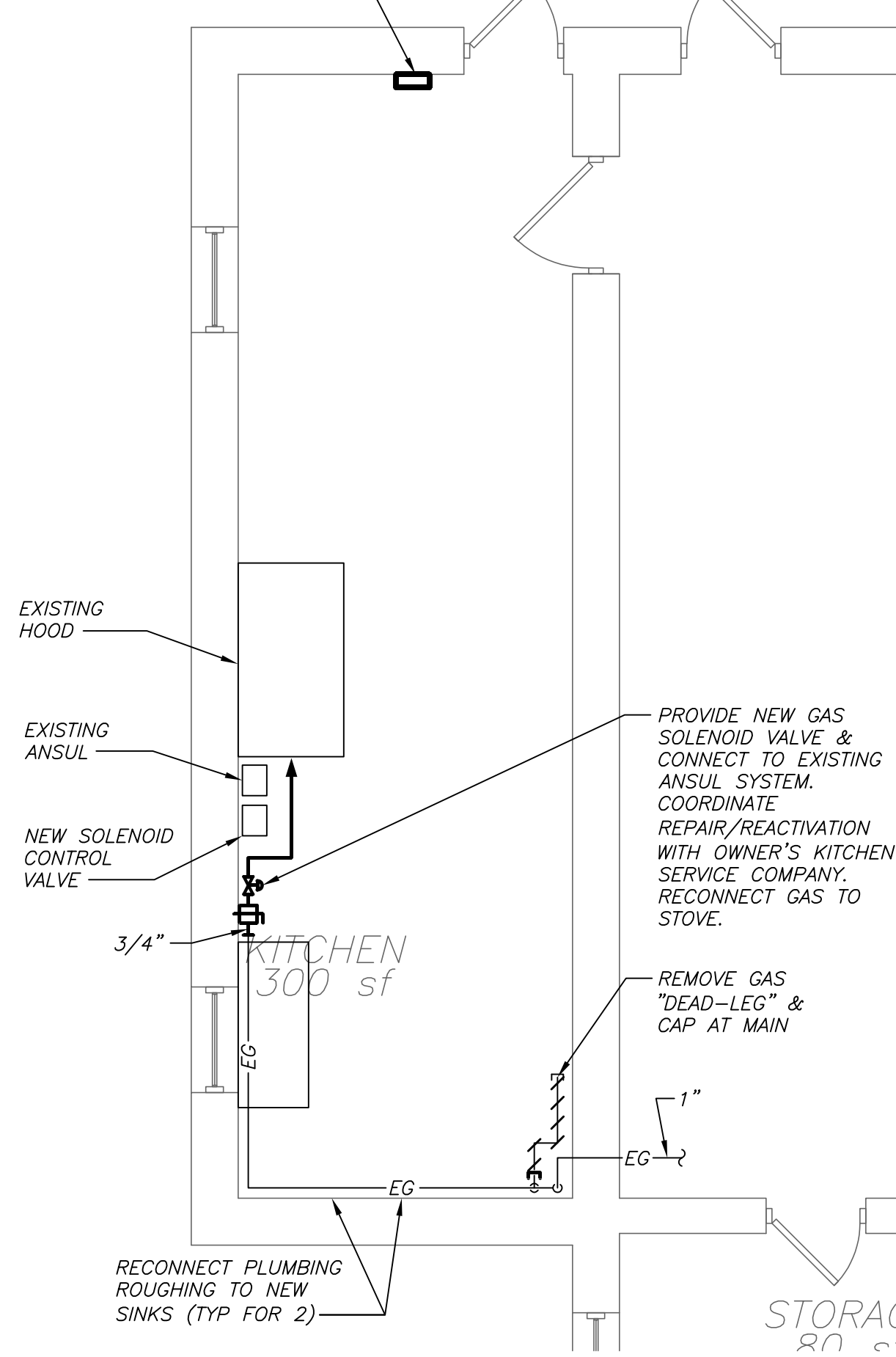
LEGEND

	POINT OF CHANGE IN DUCT SIZE
	NEW DUCTWORK
	1" ACOUSTIC LINING (WHERE APPLICABLE)
	FLEXIBLE CONNECTION
	NEW DUCTWORK
	POINT OF CHANGE IN DUCT SIZE
	SQUARE DUCT TURN WITH TURNING VANES
	EXHAUST FAN IDENTIFICATION
	FAN NUMBER
CFM	CUBIC FEET PER MINUTE
	GAS PIPING
	EXISTING GAS PIPING
	GAS SOLENOID VALVE
	GAS SHUT-OFF VALVE
FD	FLOOR DRAIN
VTR	VENT THRU ROOF

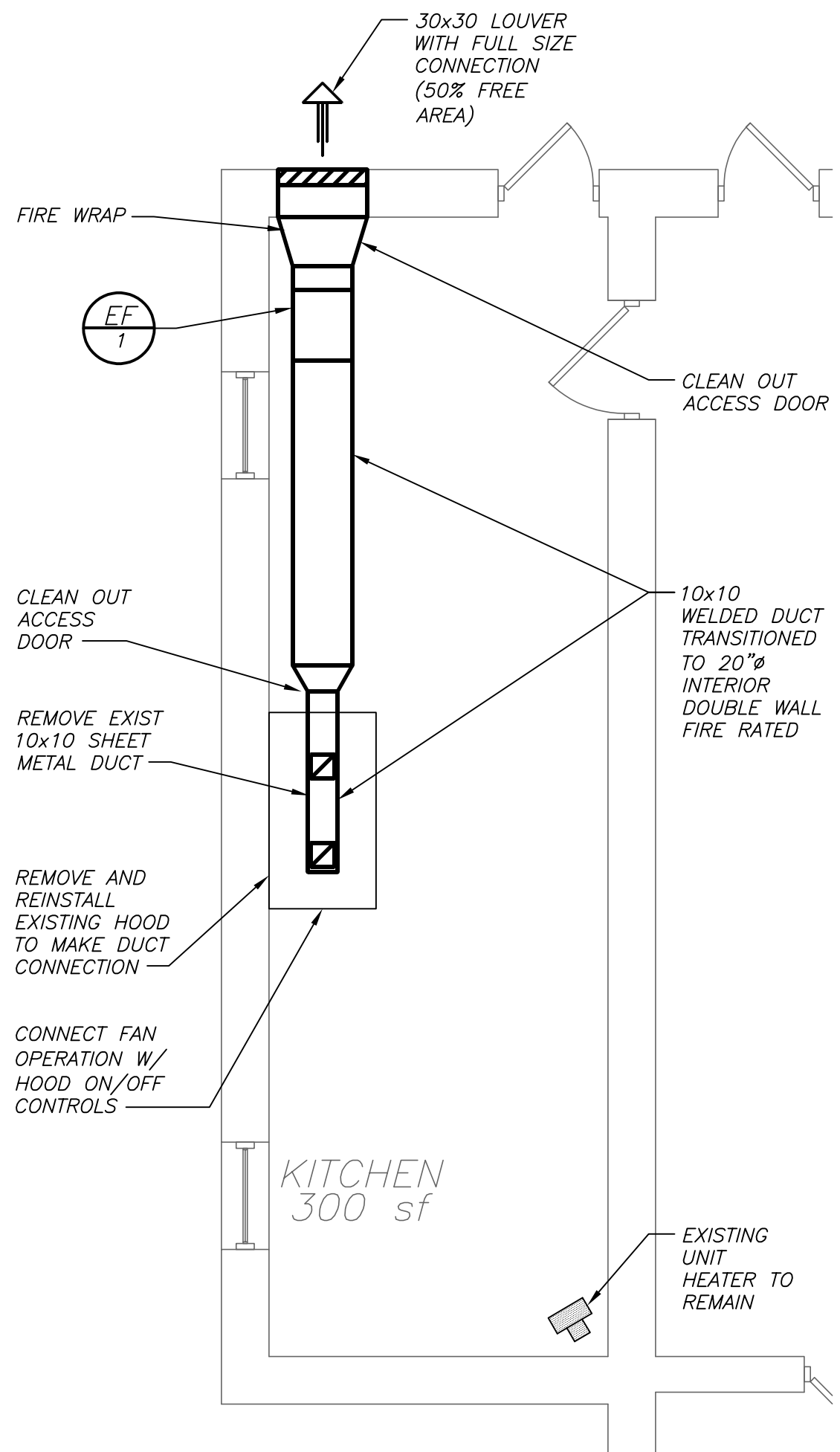
REMOVAL NOTES:

- 1 THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
- 2 DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT, UNTIL SUCH REMOVAL IS COMPLETE. THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
- 3 EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
- 4 ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

NEW EMERGENCY GAS SHUT OFF SWITCH



PART FIRST FLOOR PLAN (NEW WORK - PLUMBING) M201

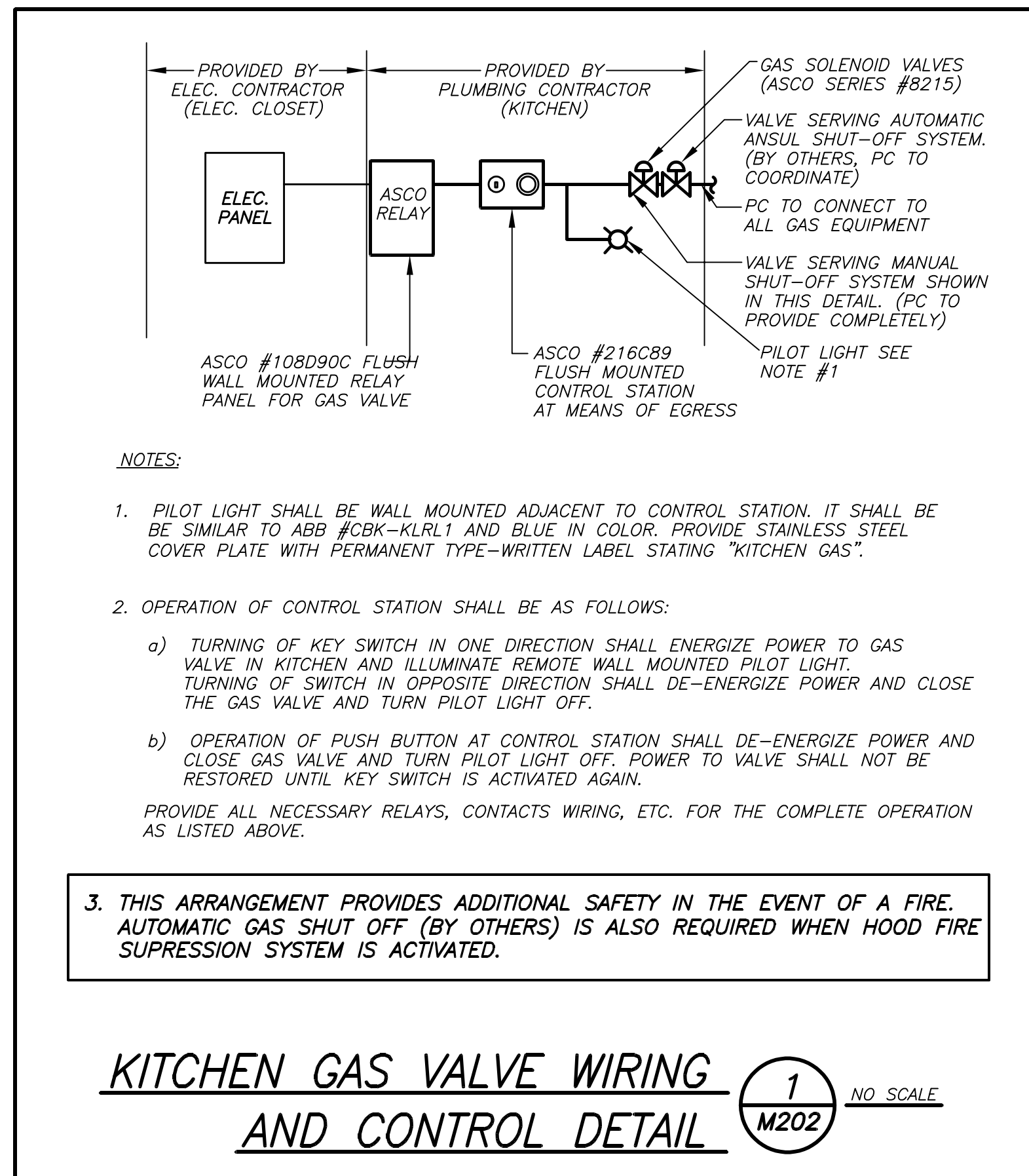
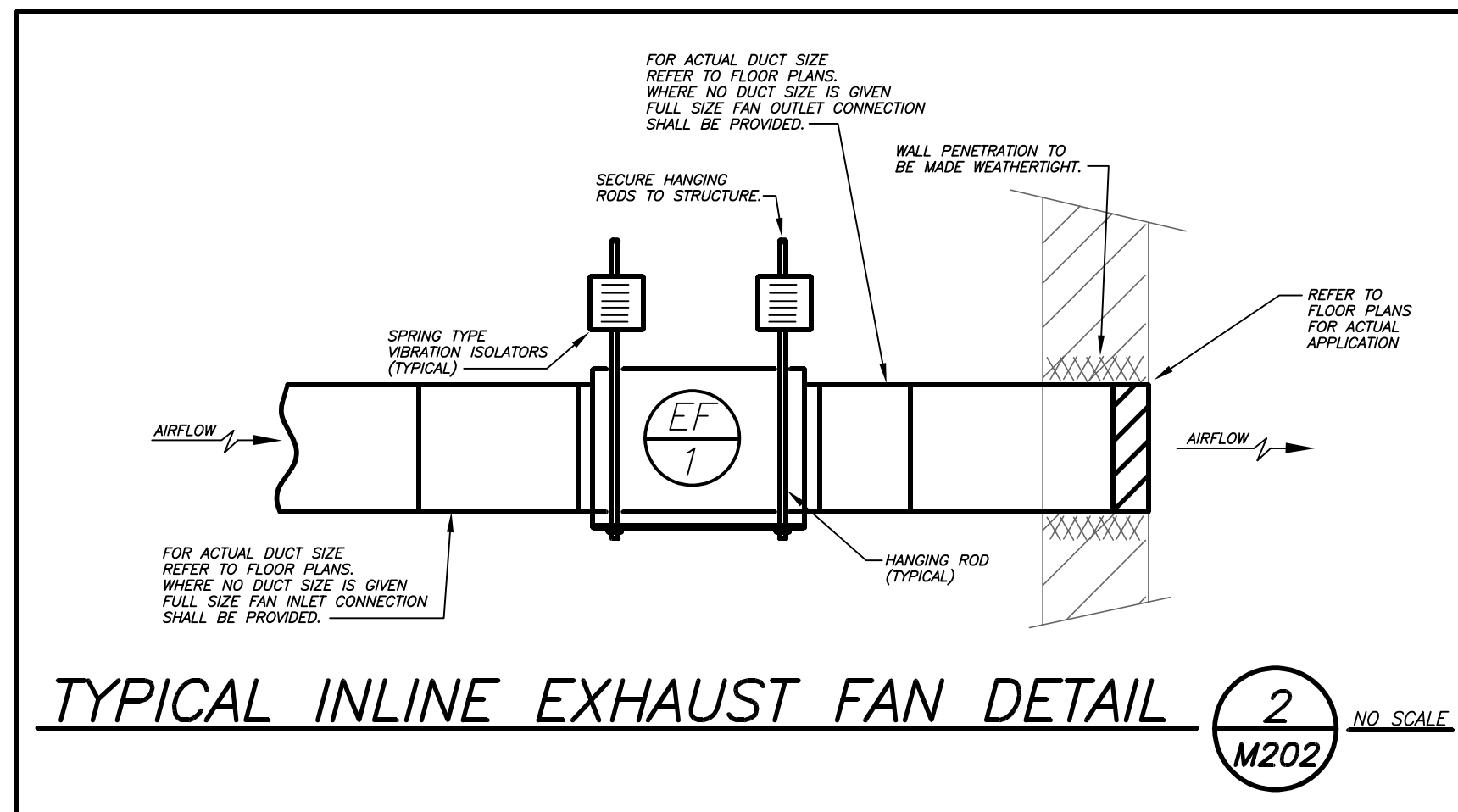


PART FIRST FLOOR PLAN (NEW WORK - HVAC) M201

SCHEDULE OF EXHAUST FANS

MARK	SERVICE	LOCATION	MODEL No. ①	TYPE	CFM	EXT. S.P. IN H ₂ O	RPM	HP (WATTS)	ELECTRIC V/PH/HZ	SIZE (IN)	WEIGHT (LBS.)	REMARKS
EF 1	KITCHEN HOOD	KITCHEN CEILING	QEID-16	IN-LINE	2200	0.70	1770	3/4	208/1/60	26Lx26Wx29H	242	REFER TO ②③④

- NOTES**
- ① AS MANUFACTURED BY "GREENHECK".
 - ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 - ③ PROVIDE VIBRATION ISOLATORS, SPEED CONTROL, DISCONNECT SWITCH, AND NAMEPLATE IDENTIFYING FAN MARK, MODEL NO., CFM, RPM, HP, AND ELECTRICAL SERVICE.
 - ④ INTERLOCK FAN OPERATION WITH ON/OFF SWITCH ON HOOD.



- NOTES:**
1. PILOT LIGHT SHALL BE WALL MOUNTED ADJACENT TO CONTROL STATION. IT SHALL BE BE SIMILAR TO ABB #CBK-KLRL1 AND BLUE IN COLOR. PROVIDE STAINLESS STEEL COVER PLATE WITH PERMANENT TYPE-WRITTEN LABEL STATING "KITCHEN GAS".
 2. OPERATION OF CONTROL STATION SHALL BE AS FOLLOWS:
 - a) TURNING OF KEY SWITCH IN ONE DIRECTION SHALL ENERGIZE POWER TO GAS VALVE IN KITCHEN AND ILLUMINATE REMOTE WALL MOUNTED PILOT LIGHT. TURNING OF SWITCH IN OPPOSITE DIRECTION SHALL DE-ENERGIZE POWER AND CLOSE THE GAS VALVE AND TURN PILOT LIGHT OFF.
 - b) OPERATION OF PUSH BUTTON AT CONTROL STATION SHALL DE-ENERGIZE POWER AND CLOSE GAS VALVE AND TURN PILOT LIGHT OFF. POWER TO VALVE SHALL NOT BE RESTORED UNTIL KEY SWITCH IS ACTIVATED AGAIN.

PROVIDE ALL NECESSARY RELAYS, CONTACTS WIRING, ETC. FOR THE COMPLETE OPERATION AS LISTED ABOVE.
 3. THIS ARRANGEMENT PROVIDES ADDITIONAL SAFETY IN THE EVENT OF A FIRE. AUTOMATIC GAS SHUT OFF (BY OTHERS) IS ALSO REQUIRED WHEN HOOD FIRE SUPPRESSION SYSTEM IS ACTIVATED.

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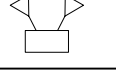

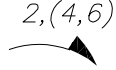





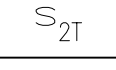
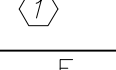
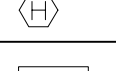




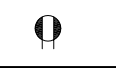

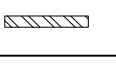
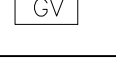
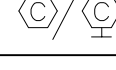
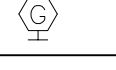
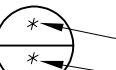

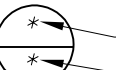

GENERAL REMOVAL NOTES

1. BEFORE COMMENCING WORK, EXAMINE ALL ADJOINING AREAS THAT MAY BE AFFECTED BY REMOVAL. REPORT TO THE GENERAL CONTRACTOR ANY CONDITION THAT PREVENTS PERFORMANCE OF THE WORK.
2. BECOME THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS WHERE CONNECTIONS MUST BE MADE, CHANGED OR ALTERED. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER AND NO CONSIDERATION WILL BE GRANTED BY REASON OF LACK OF FAMILIARITY ON THE PART OF THE CONTRACTOR WITH ACTUAL PHYSICAL CONDITIONS AT THE SITE. INSPECT EACH AND EVERY AREA AFFECTED BY THE ALTERATION OF THE SPACE BEFORE SUBMITTAL OF BID.
3. ALL ELECTRICAL EQUIPMENT IN THE AREA OF WORK IS EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
 - A. CIRCUIT BREAKERS
4. ALL CONDUCTORS AND CONDUIT ASSOCIATED WITH REMOVED ELECTRICAL EQUIPMENT SHALL BE REMOVED COMPLETELY BACK TO ITS SOURCE OF POWER AND DISCONNECTED.
5. ALL POWER CONDUCTORS, CONTROL WIRING AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT SUCH AS FANS, AIR CONDITIONING UNITS, PUMPS, ETC. DESIGNATED FOR REMOVAL ON THE HVAC AND PLUMBING REMOVAL DRAWINGS SHALL BE REMOVED CLEAR BACK TO THE SOURCE OF POWER AND DISCONNECTED. ALL MOTOR STARTERS, DISCONNECT SWITCHES, CONTROL DEVICES, ETC. SHALL BE REMOVED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
6. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TRACE AND RELOCATE ALL EXISTING FEEDERS AND BRANCH CIRCUIT WIRING WHICH PASSES THROUGH THE REMOVAL AREA THAT SERVE EXISTING OCCUPIED SPACES TO REMAIN. COORDINATE WITH BUILDING MANAGER PRIOR TO ANY SHUTDOWNS OR DISRUPTIONS THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
7. DISPOSE OF ALL REMOVED EQUIPMENT, WHICH IS NOT INTENDED TO BE REUSED. PRIOR TO DISPOSAL, CONTACT BUILDING MANAGER TO DETERMINE IF ANY REMOVED EQUIPMENT IS DESIRED FOR STOCK.
8. EXISTING CIRCUIT BREAKERS IN PANEL(S) ARE TO BE RE-USED. ELECTRICAL CONTRACTOR TO DISCONNECT PANEL AND CIRCUIT BREAKERS WITH GREAT CARE TO ENSURE AGAINST DAMAGE. THIS CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS AS REQUIRED. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.
9. EXISTING EQUIPMENT DESIGNATED FOR REUSE SHALL BE CLEANED, REFURBISHED AND RESTORED TO OPTIMUM PERFORMANCE. THIS SHALL INCLUDE BUT NOT LIMITED TO CLEANING OF LIGHT FIXTURES, REPLACEMENT OF INOPERABLE BALLASTS AND LAMPS, RESISTANCE TESTING OF BRANCH CIRCUITRY AND FEEDERS, ETC.
10. EXTEND EXISTING CIRCUITRY TO THOSE DEVICES THAT ARE TO BE RELOCATED. MATCH EXISTING TYPE AND SIZE. RELOCATION OF EXISTING EQUIPMENT SHALL BE PERFORMED ONLY UPON OWNERS ACCEPTANCE OF EXISTING EQUIPMENT.
11. EXTEND EXISTING CIRCUITS SERVING EQUIPMENT TO REMAIN FROM PANELS THAT ARE TO BE REMOVED TO NEW PANELS OR EXISTING PANELS THAT ARE TO REMAIN.

ABBREVIATIONS

ABBV.	DESCRIPTION
A	AMP/AMPERE
C.B.	CIRCUIT BREAKER
CKT	CIRCUIT
(E)	EXISTING TO REMAIN
E.C.	ELECTRICAL CONTRACTOR
EXIST.	EXISTING
FA	FIRE ALARM
F.A.C.P.	FIRE ALARM CONTROL PANEL
G,GRD	GROUND
HVAC	HEATING, VENTILATING AND AIR-CONDITIONING UNIT
MTD	MOUNTED
NTS	NOT TO SCALE
(N)	EXISTING TO REMAIN
PNL	PANEL
(R)	REMOVE EXISTING

LEGEND

	2'x4' LED CEILING MOUNTED LIGHT FIXTURE. UPPER CASE LETTER DENOTES TYPE, LOWER CASE LETTER DENOTES SWITCH CONTROL. FIXTURE SCHEDULE DENOTES TYPE.
	2'x4' LED CEILING MOUNTED LIGHT FIXTURE FOR EMERGENCY OPERATION. 'EM' INDICATES SWITCHED EMERGENCY FIXTURE, 'EM/NL'--UNSWITCHED EMERGENCY/NIGHT FIXTURE (TYP.).
	CEILING/WALL MOUNTED EXIT LIGHT WITH OUTLET BOX, DIRECTIONAL ARROWS SHADED PORTION INDICATES ILLUMINATED FACE. SCHEDULE DENOTES TYPE.
	WALL MOUNTED EMERGENCY LIGHT FIXTURE WITH INTEGRAL BATTERY BACK-UP.
	HOMERUN TO DESIGNATED PANEL, ARROWHEAD INDICATES SINGLE POLE CIRCUIT. HOMERUN SHALL CONSIST OF 2#12-3/4" U.O.N.
	HOMERUN TO DESIGNATED PANEL, NUMBERS IN PARENTHESIS INDICATE MULTIPLE CIRCUIT, I.E. 3-HOTS AND 1-GROUND U.O.N.
---	EXISTING TO REMAIN
---	NEW
	SURFACE MOUNTED NEW ELECTRICAL PANELBOARD.
	CEILING MOUNTED IONIZATION TYPE SMOKE DETECTOR
	WALL MOUNTED COMBINATION FIRE ALARM HORN/STROBE DEVICE.
	WALL MOUNTED FIRE ALARM MANUAL PULL STATION
	FIRE ALARM CONTROL PANEL.
	208 VOLT, SINGLE PHASE 2 POLE, THERMAL OVERLOAD PROTECTED TOGGLE TYPE SWITCH. SIMILAR TO EATON #AH4361 + #AH27940G NEMA 1 ENCLOSURE.
	TAG SYMBOL. NUMERAL DENOTES REFERENCE TO A WORK NOTE.
	FIXED TEMPRATURE CEILING MOUNTED HEAT DETECTOR.
	NETWORK DIGITAL FLUSH MOUNTED PRESET TWO ZONE DIMMABLE WALL STATION, SIMILAR TO WATTSTOPPER MODEL LMSW-104, WORKS WITH DIGITAL ROOM CONTROLLER. INCLUDES BUTTON ENGRAVING AND PROGRAMMING PER ZONES: A, B, RAISE, LOWER. SUPERSCRIPIT '3' DENOTES 3 WAY SWITCH.
	NETWORK DIGITAL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, SIMILAR TO WATTSTOPPER MODEL LMDC-100. WORKS WITH DIGITAL ROOM CONTROLLER. PROGRAM TO MAXIMUM SENSITIVITY AND TIME DELAY TO 20 MIN.
	NETWORK DIGITAL DIMMABLE ROOM CONTROLLER FOR LIGHTING CONTROL. SIMILAR TO WATTSTOPPER MODEL LMRC-213. HOT WIRE TO LOAD, CAT 5 WIRE CONNECTIONS TO CONTROL DEVICES. RC'#' DENOTES LMRC-21#' WITH '#' OF ZONES.
	WALL MOUNTED DUAL TECHNOLOGY VACANCY SENSOR.
	20A FLUSH WALL MOUNTED GROUND FAULT INTERRUPTING TYPE DUPLEX RECEPTACLE HUBBELL #GF5362.
	20A FLUSH WALL MOUNTED GROUND FAULT INTERRUPTING TYPE QUAD RECEPTACLE.
	SURFACE MOUNTED WIREMOLD V700 FOR EITHER RECEPTACLE OR COMMUNICATION WIRING. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.
	GV CONTROL PANEL
	CEILING OR WALL MOUNTED CARBON MONOXIDE DETECTOR. SOUNDER BASE.
	WALL MOUNTED GAS LEAK DETECTOR
MECHANICAL EQUIPMENT IDENTIFICATION:	
	EQUIPMENT ABBREVIATION (FE, SF, HV, ETC. SEE ABBREVIATIONS ON THIS DWG.)
	EQUIPMENT NUMBER
DETAIL/PART PLAN NUMBER IDENTIFICATION:	
	DETAIL/PART PLAN NUMBER
	DRAWING NUMBER

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LEGEND ABBREVIATIONS AND NOTES

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E001

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR FIRST CLASS ELECTRICAL INSTALLATION.
2. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH RESPECTIVE CONTRACTOR/OWNER.
3. WHERE PANELBOARDS, SWITCHES, CIRCUIT BREAKERS, ETC. ARE EXISTING AND TO BE REUSED THE CONTRACTOR SHALL CLEAN AND REFURBISH THE EQUIPMENT. THIS SHALL INCLUDE TIGHTENING ALL CONNECTIONS, REPLACING DEFECTIVE MECHANISMS AND PROVIDING ALL REQUIRED AND NECESSARY MISCELLANEOUS COMPONENTS SO THAT THE EQUIPMENT SHALL BE IN PERFECT WORKING ORDER.
4. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO SUBMISSION OF BID TO DETERMINE WHAT WORK MUST BE PERFORMED AFTER NORMAL BUSINESS HOURS. UNLESS OTHERWISE DIRECTED ANY NOISY WORK (CHOPPING, CORE DRILLING, HAMMERING, ETC.) AND BUILDING POWER INTERRUPTIONS SHALL BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. CONFIRM NORMAL BUSINESS HOURS WITH BUILDING OWNER. NO ADDITIONAL COST WILL BE CHARGED TO OWNER FOR WORK PERFORMED OUTSIDE NORMAL BUSINESS HOURS.
5. ALL WORK WHERE SHOWN WITH DARK/SOLID LINES ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED. WHERE SHOWN WITH DASHED LINES WITH LETTER (E) IS EXISTING TO REMAIN, WITH LETTER (R) IS EXISTING TO BE REMOVED.
6. FEEDERS AND BRANCH CIRCUITRY SHALL BE RUN IN MINIMUM ¾" CONDUIT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS MAY BE MADE WITH FLEXIBLE METALLIC CONDUIT (NO LONGER THAN 18"). IN UNFINISHED AREAS CONDUIT SHALL BE RUN EXPOSED AND IN FINISHED AREAS CONDUIT SHALL BE RUN CONCEALED.
7. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION UNLESS OTHERWISE NOTED.
8. THE USE OF FLEXIBLE CONDUIT FROM LIGHTING FIXTURES TO JUNCTION BOX IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED WITH THE CONDUCTORS INSIDE FLEXIBLE CONDUIT. THE GROUND WIRE MUST BOND THE FIXTURE HOUSING TO THE JUNCTION BOX. MAXIMUM LENGTH 6'-0".
9. EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO THE INSTALLATION.
10. WALL MOUNTED EQUIPMENT (SWITCHES, RECEPTACLES, ETC..) SHALL BE SURFACE MOUNTED IN UNFINISHED AREAS AND ON EXISTING CONCRETE BLOCK WALLS AND FLUSH MOUNTED IN NEW WALLS/PARTITIONS.
11. CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. SUPPORTS FOR HORIZONTAL RUNS OF CONDUIT SHALL NOT EXCEED SEVEN FEET ON CENTERS.
12. PROVIDE PULL BOXES, JUNCTION BOXES, CONDUIT ELBOWS AND OFFSETS TO SUIT FIELD CONDITIONS AND THE NATIONAL ELECTRICAL CODE.
13. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH A DRAGWIRE.
14. THE MINIMUM WIRE SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE NO. 12 AWG, EXCEPT OVER 100' IN LENGTH SHALL BE NO. 10 AWG.
15. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES (EX. CONNECTORS, ADAPTERS, BUSHINGS, CLAMPS, ETC.) TO FACILITATE COMPLETE INSTALLATION.
16. COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH HVAC CONTRACTOR IN FIELD. FUSES FOR ALL MOTOR LOADS SHALL BE DUAL ELEMENT TIME DELAY TYPE.
17. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
18. PRIOR TO ANY CHASING, CHOPPING OR CORE DRILLING BEING PERFORMED, THE CONTRACTOR SHALL FIELD INVESTIGATE CONDITIONS AND COORDINATE ALL WORK TO ENSURE THAT IT WILL BE IN HARMONY AND NOT AFFECT ANY EXISTING BUILDING SYSTEMS. THIS WORK MUST BE APPROVED BY BUILDING OWNER PRIOR TO PROCEEDING.
19. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. ALL SLEEVES MUST HAVE BUSHINGS. SEALANT SHALL BE 3 HOUR FIRE BARRIER #CP-25 (NO LESS THAN 3" THICK BACKED UP WITH MINERAL WOOL).
20. ALL PANELBOARD COVERS SHALL BE INSTALLED IN PLACE AT THE COMPLETION OF EACH DAYS WORK.
21. PREPARE 'AS-BUILT' DRAWINGS THAT REFLECT ACTUAL CONSTRUCTION AND SHOW DEVIATIONS FROM DESIGN DRAWINGS.
22. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.

EMERGENCY KITCHEN RECONSTRUCTION AT SCHOOL 9

YONKERS PUBLIC SCHOOLS
53 FAIRVIEW STREET,
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NYSID # 66-23-00-01-0-009-011



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No.	Date	Issue

GENERAL NOTES

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AS NOTED	BGA/BGA

Sheet Number
E002

**EMERGENCY KITCHEN
RECONSTRUCTION AT
SCHOOL 9**

**YONKERS PUBLIC SCHOOLS
53 FAIRVIEW STREET,
YONKERS, NY 10703**

NYSID # 66-23-00-01-0-009-011



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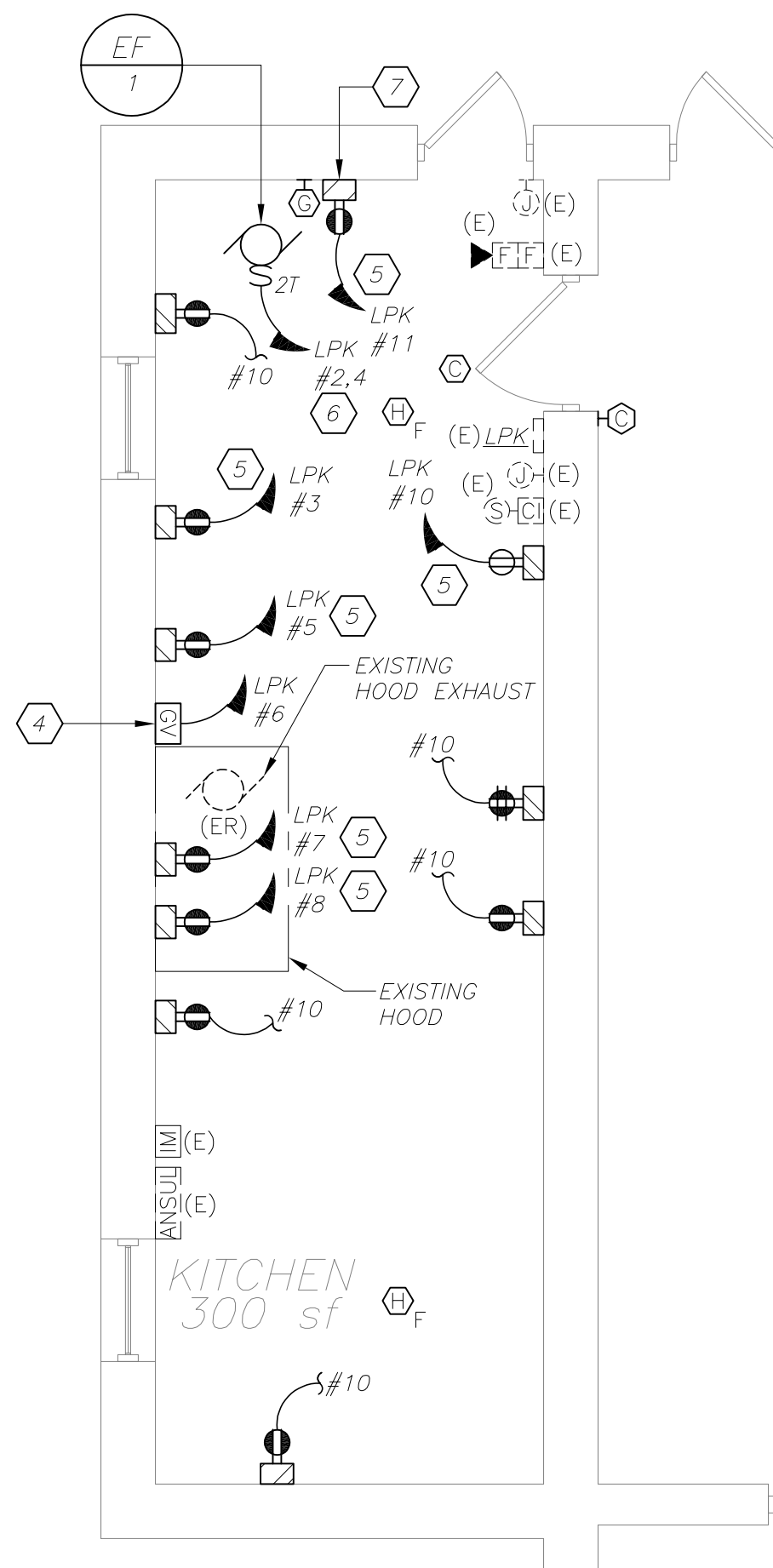
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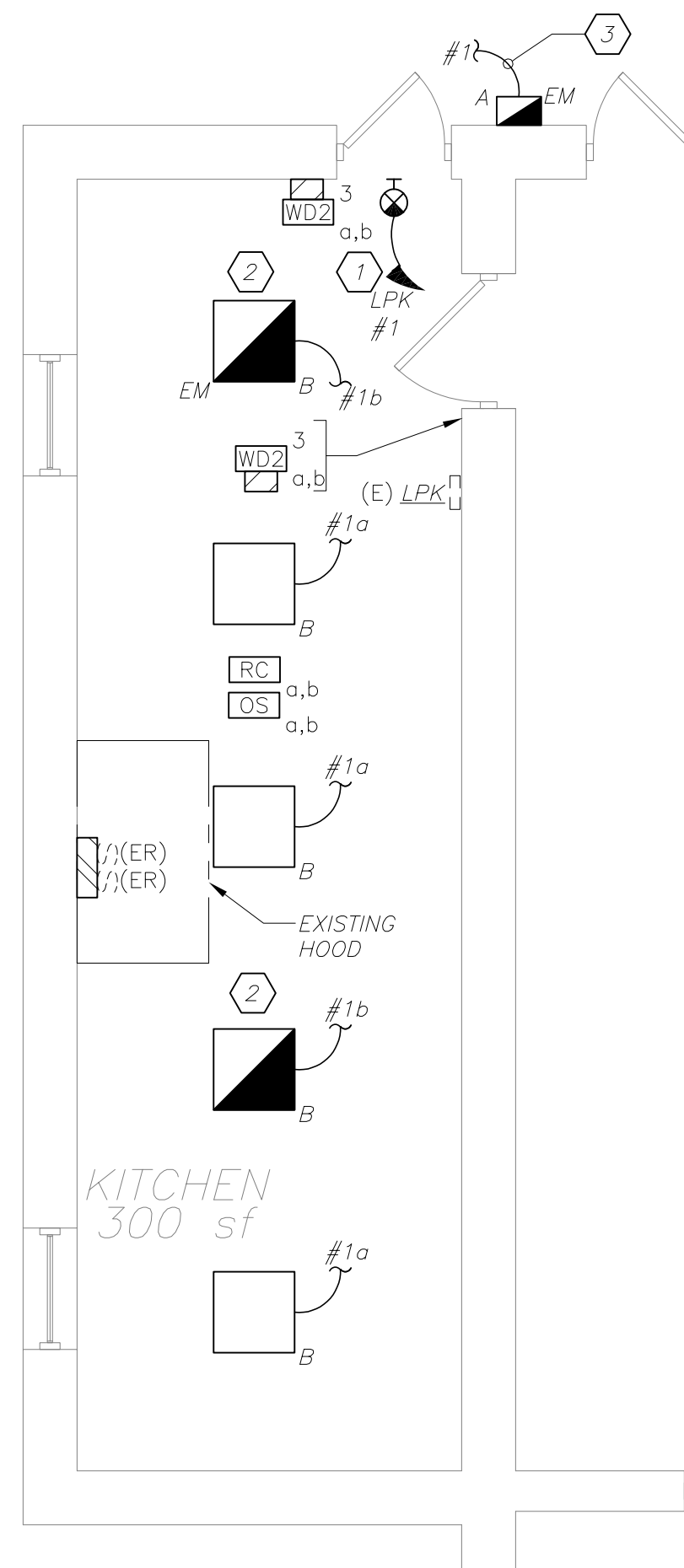
KITCHEN ELECTRICAL PLAN

Job No.	Date
AS NOTED	11/10/2023
Scale	Drawn / Checked
AS NOTED	BGA/BGA

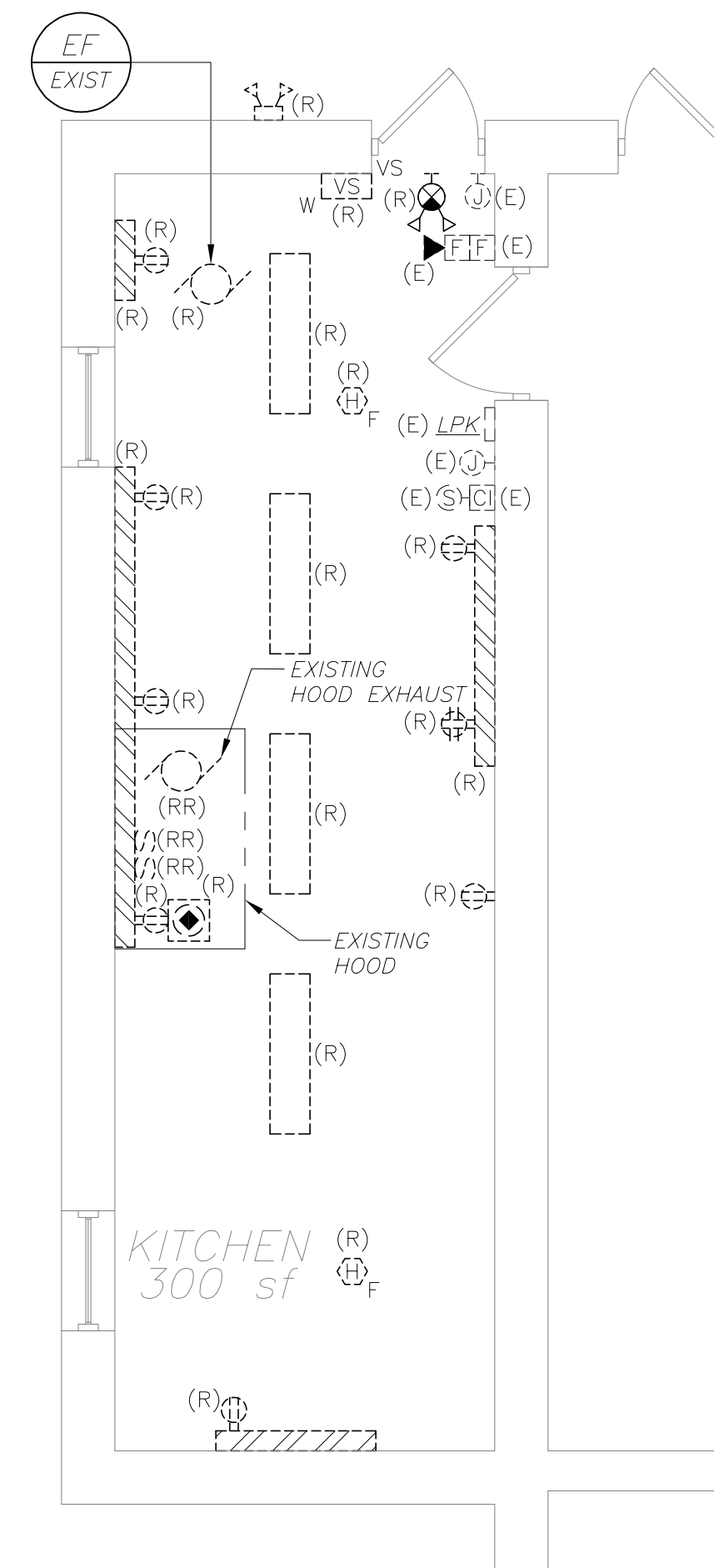
Sheet Number
E101



KITCHEN POWER PLAN
(NEW WORK) **3**
E101 1/4 inch=1 foot



KITCHEN LIGHTING PLAN
(NEW WORK) **2**
E101 1/4 inch=1 foot



KITCHEN REMOVALS PLAN
(REMOVAL) **1**
E101 1/4 inch=1 foot

WORK NOTES:

- 1 PROVIDE 2#12+1#12G IN 3/4" CONDUIT TO CIRCUIT MADE SPARE BY DEMO WORK. CIRCUIT NUMBER IS SHOWN FOR CONTRACTOR GUIDANCE ONLY.
- 2 EMERGENCY DRIVER IN FIXTURE SHALL BE WIRED AHEAD OF LOCAL SWITCH CONTROL.
- 3 FIXTURE TYPE SHALL BE CONTROLLED VIA BUILT-IN PHOTOCCELL. IT SHALL NOT BE CONTROLLED VIA KITCHEN LIGHT SWITCH.
- 4 REFER TO DETAIL 'KITCHEN GAS VALVE WIRING AND CONTROL DETAIL' ON SHEET E701 FOR ADDITIONAL INFORMATION.
- 5 PROVIDE 2#12+1#12G IN 3/4" CONDUIT TO CIRCUIT AS SHOWN. USE EXISTING 1P-20AMP BREAKER AVAILABLE AFTER DEMO WORK AT PANEL. CIRCUIT NUMBER IS SHOWN FOR CONTRACTOR GUIDANCE ONLY.
- 6 PROVIDE 2#12+1#12G IN 3/4" CONDUIT TO CIRCUIT AS SHOWN. PROVIDE 2P-20AMP BREAKER AT PANEL. CIRCUIT NUMBER IS SHOWN FOR CONTRACTOR GUIDANCE ONLY.
- 7 COORDINATE MOUNTING HEIGHT OF RECEPTACLE WITH GAS DETECTOR HEIGHT BEFORE THE START OF ANYWORK.

FIRE ALARM RISER GENERAL NOTES:

1. FIRE ALARM WIRING DIAGRAMS SHOWN ARE FOR GENERAL ARRANGEMENT ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY AND OBTAIN POINT TO POINT WIRING DIAGRAM PRIOR TO INSTALLATION FROM MANUFACTURER.
2. PERMITS AND APPROVALS NECESSARY FOR INSTALLATION OF THE WORK SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS AND INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACT.
3. IN AREAS WHERE DUST AND DIRT WILL BE AIRBORNE DURING DEMOLITION AND CONSTRUCTION THE CONTRACTOR SHALL PROVIDE PLASTIC WRAP OVER SMOKE DETECTORS AND THEN REMOVE ONCE SPACE IS CLEAN.

UNLESS DIRECTED OTHERWISE BY FIRE ALARM SYSTEM MANUFACTURER FIRE ALARM DEVICE WIRING SHALL BE AS FOLLOWS (FOR BIDDING PURPOSES ONLY):

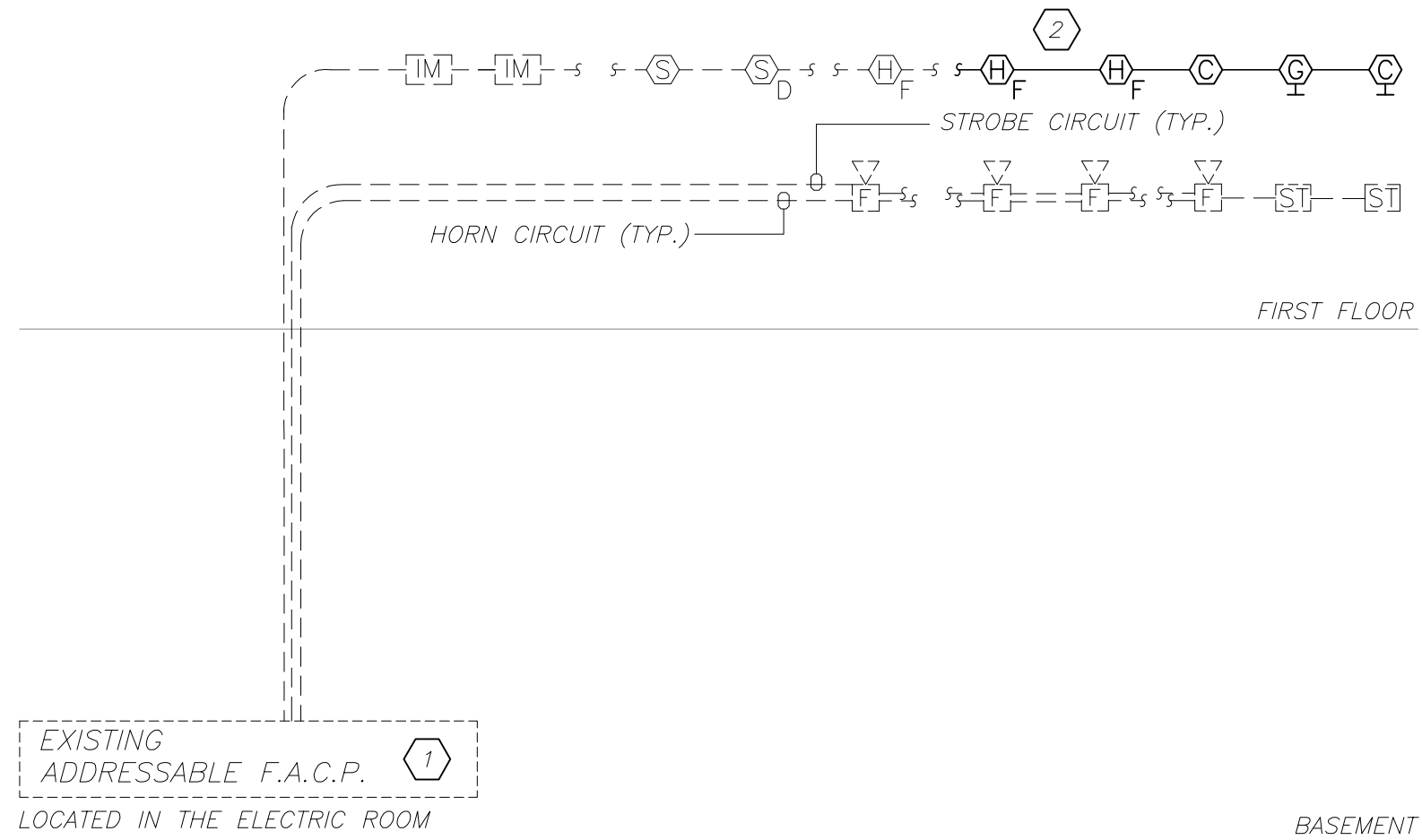
SIGNAL WIRING - #14 AWG TWISTED/SHIELDED

THE WIRING SHALL HAVE THE FOLLOWING CHARACTERISTICS:

- A. A MINIMUM TEMPERATURE RATING OF 150 C
- B. A MINIMUM AVERAGE INSULATION THICKNESS OF 15 MILS
- C. A MINIMUM AVERAGE JACKET THICKNESS OF 25 MILS
- D. THE COLOR OF THE CABLE SHALL BE RED
- E. THE CABLE SHALL BE A TYPE FPLP (PLENUM TYPE) WHEN CONDUIT IS USED. SEE NOTE 5 FOR ADDITIONAL CLARIFICATION.
- F. THE CABLE SHALL BE VISIBLY MARKED EXTERNALLY THAT IT MEETS THE ABOVE REQUIREMENTS AND IS LISTED BY UL.

CONFIRM WIRING TYPE AND QUANTITY WITH FIRE ALARM SYSTEM MANUFACTURER PRIOR TO PURCHASING.

5. PROVIDE MC FIRE ALARM CABLE WITH RED STRIPE AS MANUFACTURED BY AFC SERIES 1800 WHEN CABLE IS CONCEALED OR ABOVE HUNG CEILING. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN FINISHED AREAS, CABLE SHALL RUN IN WIREMOLD V-700. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN UNFINISHED AREAS, PROVIDE PLENUM RATED CABLE IN MIN. 3/4" CONDUIT.
6. SHUTDOWN OF HVAC SYSTEM EQUIPMENT (NOT LIMITED TO, ROOF TOP, EXHAUST FANS, ETC.) OF 1000 CFM OR GREATER, SHALL BE PERFORMED VIA A RELAY INTERFACE SYSTEM. SEND SIGNAL TO BUILDING AUTOMATED TEMPERATURE CONTROL (ATC) SYSTEM INDICATING SHUTDOWN HAS OCCURRED. EQUIPMENT RESTART SHALL BE BY BUILDING 'ATC' SYSTEM UPON FIRE ALARM RESET TO NORMAL MODE. RESTART OF EQUIPMENT SHALL BE SEQUENTIAL.
7. AFTER THE SYSTEM IS COMPLETE, TEST ALL COMPONENTS IN ACCORDANCE WITH SEQUENCE OF OPERATION PRIOR TO FIRE DEPARTMENT INSPECTION.
8. COORDINATE F.A WORK WITH F.A VENDOR.
9. VERIFY EXACT QUANTITIES OF FIRE ALARM DEVICES WITH PLANS.
10. ALL DEVICES SHALL BE SUPERVISED AS PER N.F.P.A. 72. PROVIDE END OF LINE RESISTORS AS REQUIRED PER INDIVIDUAL MANUFACTURER. PROVIDE LOAD RELAYS AS REQUIRED FOR PROPER OPERATION OF EQUIPMENT.
11. THIS CONTRACTOR IS RESPONSIBLE FOR ALL PROGRAMMING AND MAPPING OF EACH DEVICE AS REQUIRED.



FIRE ALARM RISER DIAGRAM 1
E501 N.T.S.
(NEW WORK)

WORK NOTES:

- 1 PROVIDE ALL NECESSARY EXPANSION COMPONENTS (LOOP CARDS, ETC.) BOOSTER POWER SUPPLIES, REMOTE BOOSTER POWER SUPPLIES, PROGRAMMING, UPDATE DATA BASE, TESTING ETC. CONTROL PANEL IS LOCATED IN ELECTRICAL ROOM.
- 2 PROVIDE ADDRESS WITH A PERMANENT TYPE LABEL FOR ALL INITIATING DEVICES.

LIGHTING FIXTURE SCHEDULE

TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#
A EM	SURFACE MOUNTED	30W LED UNV	BLACK TEXTURED, BUTTON PHOTOCONTROL, SURFACE MOUNTED 7"X13", RADIUS-TYPE, 12 LED FIXTURE, 4000K COLOR TEMP, 3,500 LUMENS, 70 CRI, 120V, TYPE II DISTRIBUTION WITH INTEGRAL BATTERY PACK.	MANUFACTURER: HUBBELL CAT# RDL1-12L-30-4K7-2-1-BL-PC-E
B	CEILING SURFACE MOUNTED	43.4W LED UNV	SURFACE MOUNTED 2'X2' FLAT PANEL LED FIXTURE, 40K COLOR TEMP, 3,500 LUMENS, 85 CRI, 120V WITH 0-10V DIMMING.	MANUFACTURER: ELITE LIGHTING CAT# 22-FPL-P4-LED-3500L-DIM10-MVOLT-40K-85
B EM	CEILING SURFACE MOUNTED	20W LED UNV	SAME AS FIXTURE "B" WITH INTEGRAL BATTERY PACK	MANUFACTURER: ELITE LIGHTING CAT# 22-FPL-P4-LED-3500L-DIM10-MVOLT-40K-85-0-EMG-LED-20W
	SURFACE WALL/CEILING MOUNTED	1-5W LED UNV	L.E.D TYPE EXIT LIGHT, STEEL HOUSING, NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. SELF POWERED MODEL WITH 90 MINUTE EMERGENCY BATTERY PACK.	MANUFACTURER: COOPER LIGHTING ATLITE CAT# XLN1-6-S-R-1/2U

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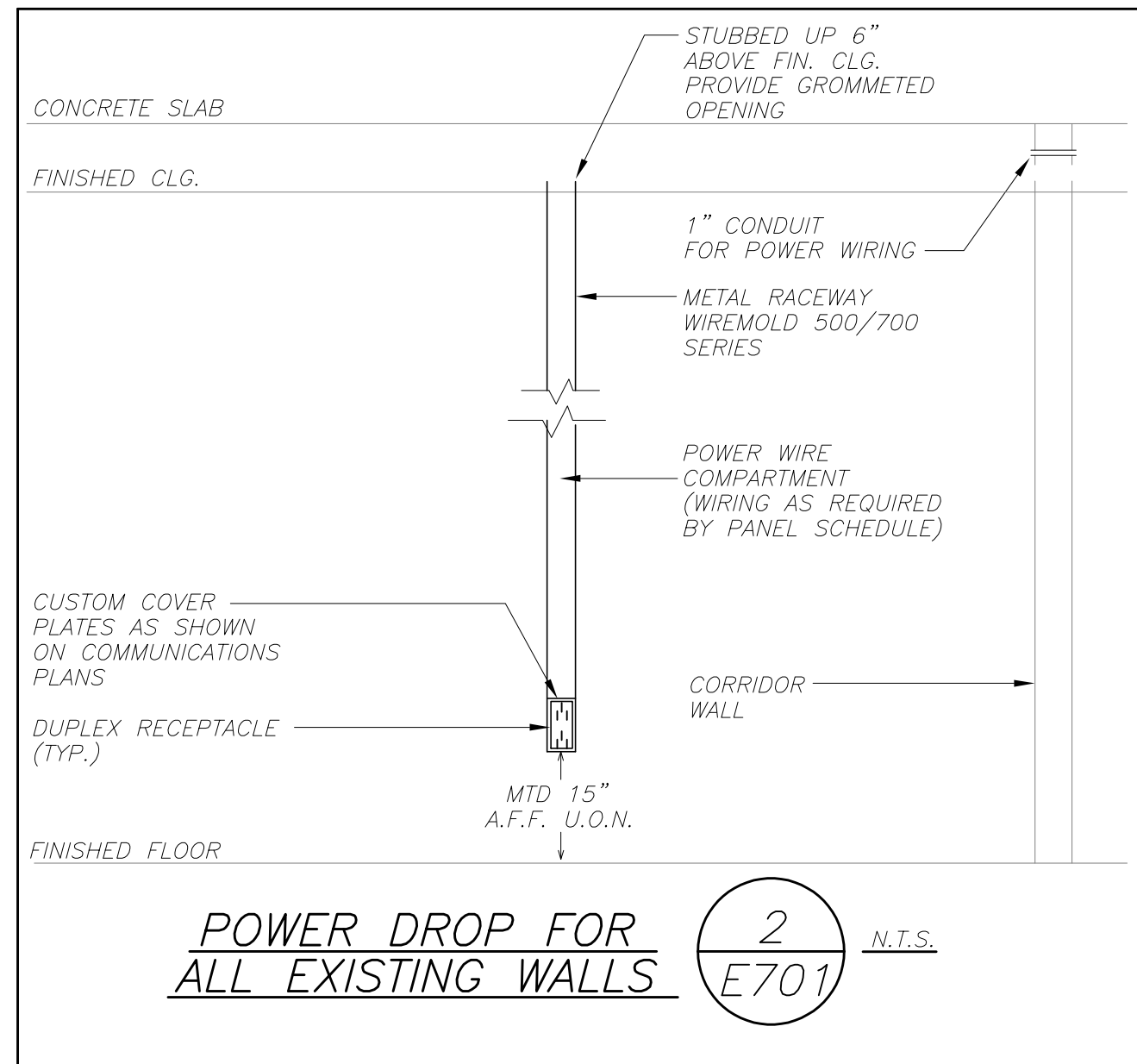
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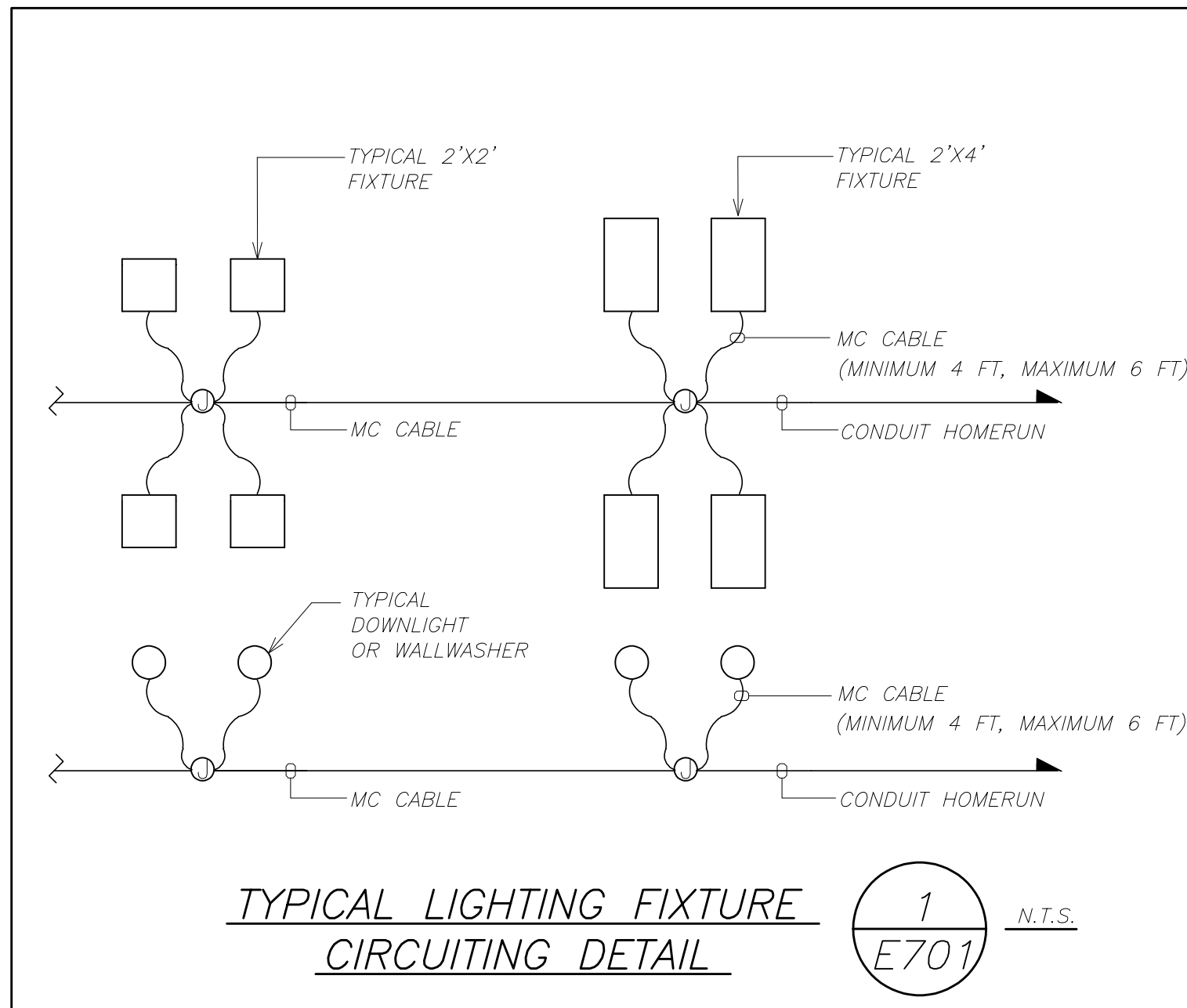
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Sheet Title
FIRE ALARM RISER & LIGHTING SCHEDULE

Job No.	Date 11/10/2023
Scale AS NOTED	Drawn / Checked BGA/BGA
Sheet Number E501	

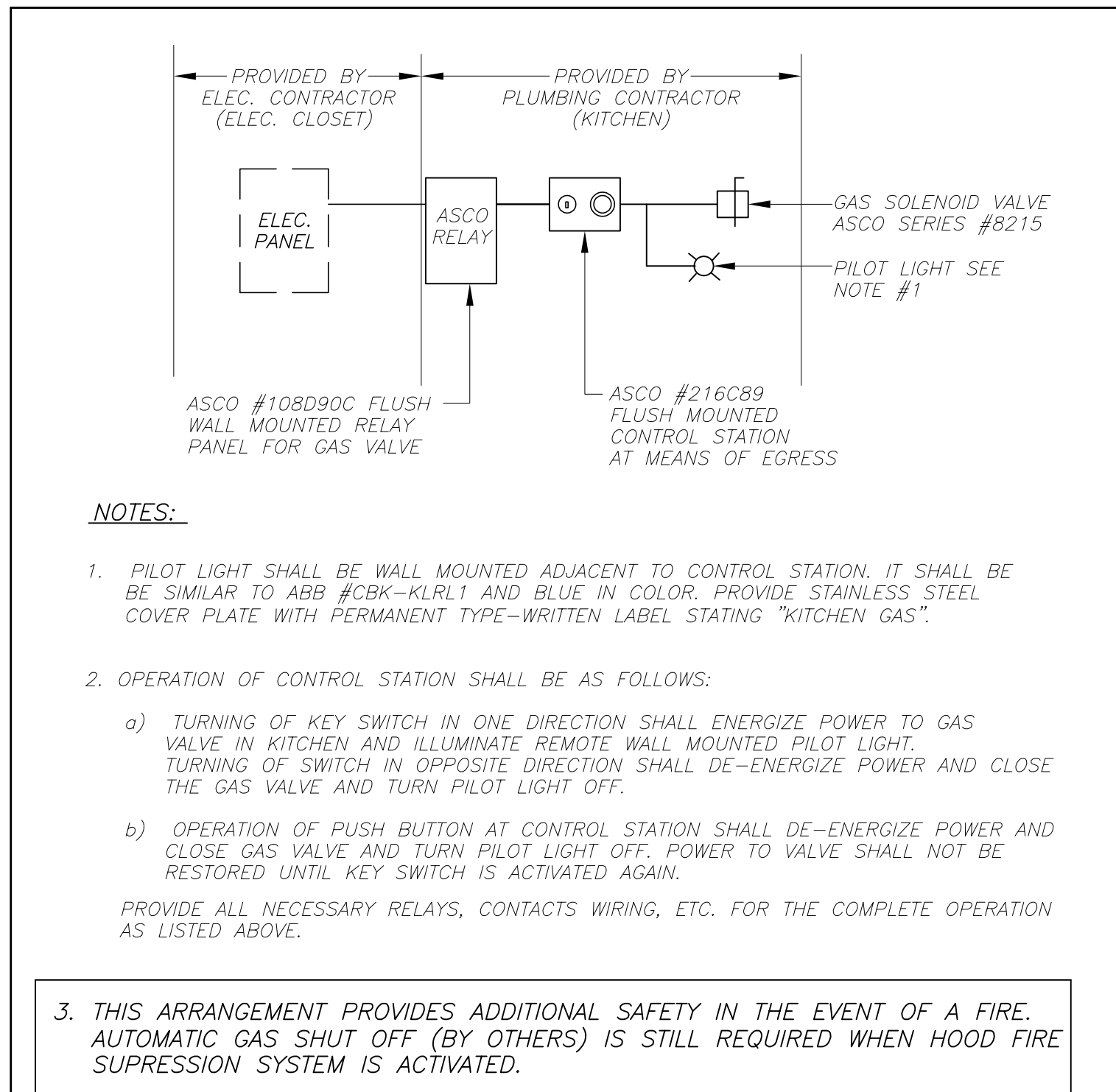


POWER DROP FOR ALL EXISTING WALLS 2 N.T.S. E701



TYPICAL LIGHTING FIXTURE CIRCUITING DETAIL 1 N.T.S. E701

(EXISTING) ELECTRICAL PANEL SCHEDULE															
PANEL: LP-K (E)		MOUNTING: SURFACE <input checked="" type="checkbox"/>		MAIN LUGS ONLY		MAIN C BKR-		GROUND BUS: <input checked="" type="checkbox"/>							
208Y/120, 3 PHASE, 4 WIRE		(NEMA 1) FLUSH		DOUBLE LUGS		100A/3P		ISOLATED GROUND BUS:							
10 ,000MIN A.I.C. SYM		IN MCC		FEED THRU LUG		MAIN BUS -		TVSS:							
NEUTRAL: 100%				SHUNT TRIP MAIN		100 A		NUMBER OF POLES:		30					
CKT No.	TRIP (AMP)	LOAD	WIRE	CND. (IN.)	KVA / PHASE	A	B	C	KVA / PHASE	CND. (IN.)	WIRE	LOAD	TRIP (AMP)	CKT No.	
1	20	NEW LIGHT	2#12+1#12G	3/4	0.50					-	-	SPARE	20	2	
3	20	FOOD WARMER	2#12+1#12G	3/4	1.00					-	-	SPARE	20	4	
5	20	FREEZER	2#12+1#12G	3/4				1.00		0.50	3/4	2#12+1#12G	GAS VALVE	20	6
7	20	FRIDGE	2#12+1#12G	3/4	1.00					-	-	SPARE	20	8	
9	20	STOVE	2#12+1#12G	3/4	1.00					0.90	3/4	2#12+1#12G	RECEPT	20	10
11	20	GAS DETECTOR	2#12+1#12G	3/4				0.20		-	-	SPARE	20	12	
13	20	EXISTING								-	-	EXISTING	20	14	
15	20	SPARE								-	-	EXISTING	20	16	
17	20	EXISTING								-	-	EXISTING	20	18	
19	20	EXISTING								-	-	EXISTING	20	20	
21	20	EXISTING								-	-	EXISTING	20	22	
23	20	EXISTING								-	-	EXISTING	20	24	
25	20	EXHAUST FAN 1	2#12+1#12G	3/4	0.82					-	-	EXISTING	20	26	
27	20				0.82					-	-	EXISTING	20	28	
29	20	SPARE								-	-	SPARE	20	30	
SUBTOTALS					2.32	2.82	1.20			0.00	0.90	0.50	SUBTOTALS		
TOTAL LOADS					2.3 KVA PHASE A			LIGHTING: 0.50 KVA							
					3.7 KVA PHASE B			RECEPTACLE: 0.90 KVA							
					1.7 KVA PHASE C			KITCHEN: 4.00 KVA							
TOTAL CONN. LOAD					7.7 KVA 21.0 A			MOTOR: 1.64 KVA							
TOTAL DEMAND LOAD					6.3 KVA 18.0 A			POWER: 0.70 KVA							
								TOTAL: 7.74 KVA							



- NOTES:**
- PILOT LIGHT SHALL BE WALL MOUNTED ADJACENT TO CONTROL STATION. IT SHALL BE SIMILAR TO ABB #CBK-KLRL1 AND BLUE IN COLOR. PROVIDE STAINLESS STEEL COVER PLATE WITH PERMANENT TYPE-WRITTEN LABEL STATING "KITCHEN GAS".
 - OPERATION OF CONTROL STATION SHALL BE AS FOLLOWS:
 - TURNING OF KEY SWITCH IN ONE DIRECTION SHALL ENERGIZE POWER TO GAS VALVE IN KITCHEN AND ILLUMINATE REMOTE WALL MOUNTED PILOT LIGHT. TURNING OF SWITCH IN OPPOSITE DIRECTION SHALL DE-ENERGIZE POWER AND CLOSE THE GAS VALVE AND TURN PILOT LIGHT OFF.
 - OPERATION OF PUSH BUTTON AT CONTROL STATION SHALL DE-ENERGIZE POWER AND CLOSE GAS VALVE AND TURN PILOT LIGHT OFF. POWER TO VALVE SHALL NOT BE RESTORED UNTIL KEY SWITCH IS ACTIVATED AGAIN.
 - THIS ARRANGEMENT PROVIDES ADDITIONAL SAFETY IN THE EVENT OF A FIRE. AUTOMATIC GAS SHUT OFF (BY OTHERS) IS STILL REQUIRED WHEN HOOD FIRE SUPPRESSION SYSTEM IS ACTIVATED.
- PROVIDE ALL NECESSARY RELAYS, CONTACTS WIRING, ETC. FOR THE COMPLETE OPERATION AS LISTED ABOVE.

KITCHEN GAS VALVE WIRING AND CONTROL DETAIL 2 N.T.S. E701

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Sheet Title

ELECTRICAL DETAILS AND SCHEDULE

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Sheet Number
E701