No.	Issuance	Date	Rev.
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YONKERS PUBLIC SCHOOLS

One Larkin Center, Yonkers, New York 10701

EMERGENCY KITCHEN RECONSTRUCTION AT SCHO

LIST OF DRAWINGS

GENERAL G001

GENERAL INFORMATION

ARCHITECTURAL

OVERALL PLANS A201 **DETAILS** A202

MECHANICAL

M201 LEGEND, REMOVAL NOTES, AND PART FIRST FLOOR PLAN

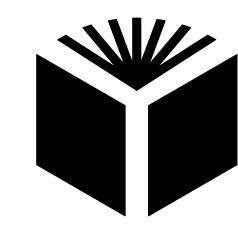
M202 SCHEDULES AND DETAILS

ELECTRICAL

LEGEND ABBREVATIONS AND NOTES

GENERAL NOTES KITCHEN ELECTRICAL PLAN

FIRE ALARM RISER & LIGHTING SCHEDULE **ELECTRICAL DETAILS AND SCHEDULE**



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

Yonkers Job # TBD

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

OWNER

PROJECT

LOCATION

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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 MECHCANICAL 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.

EMERGENCY KITCHEN RECONSTRUCTION AT SCHOOL 9

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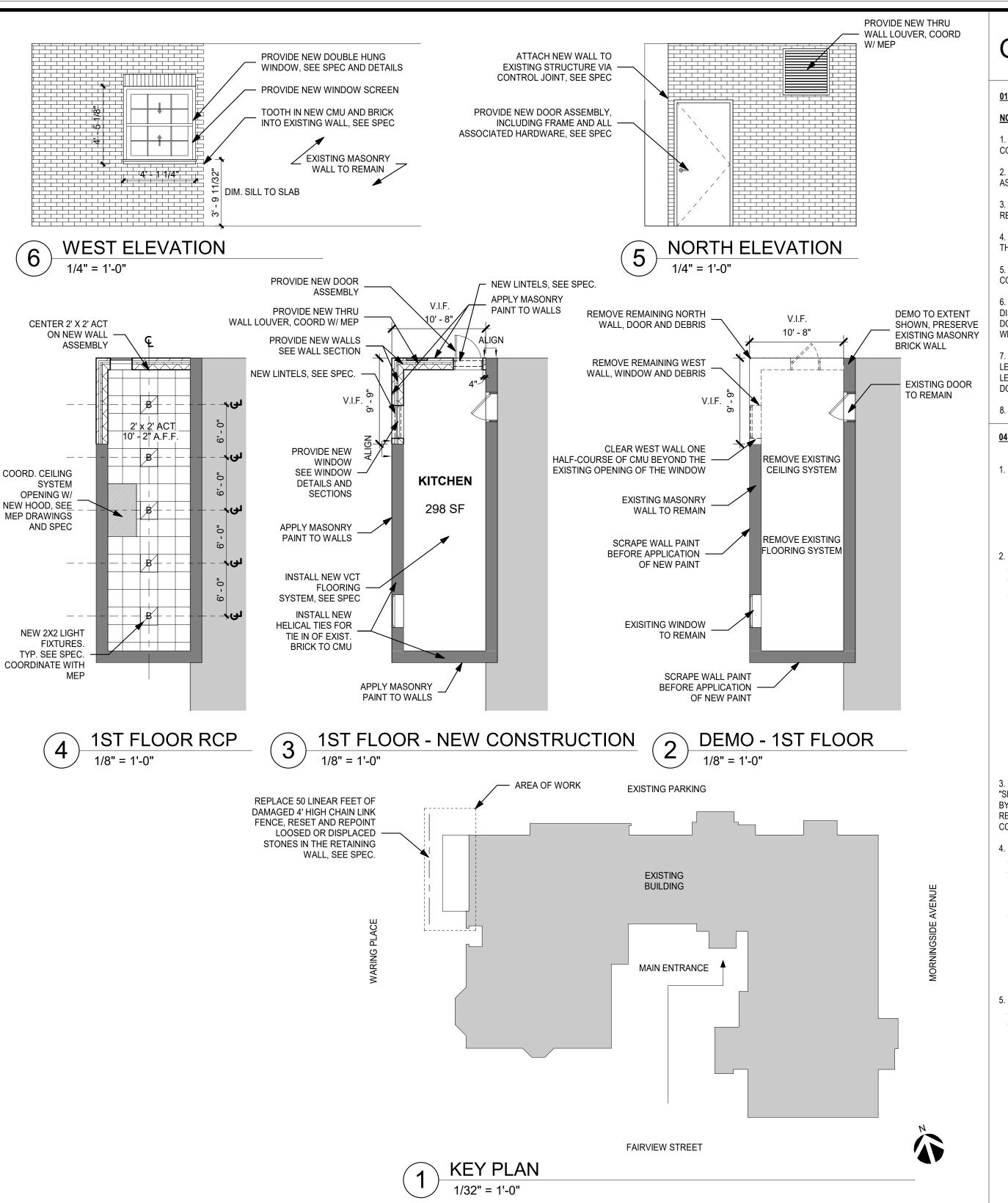
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AS NOTED	RTM / RAD

Sheet Number

G001



OUTLINE SPECIFICATION

01 10 00 - SUMMARY OF WORK

NOTE: SEE PROJECT SUMMARY ON G001

- 1. SCOPE OF WORK, LOCATION, AND OTHER DATA IS INDICATED BY DRAWING CONTENT.
- 2. AMEND EXISTING CMU AND BRICK WALL, WITH NEW DOOR AND WINDOW ASSEMBLIES, AS INSTRUCTED IN DRAWING CONTENT.
- 3. REPLACE OR REPOINT 100 S.F. OF LOOSENED, DAMAGED OR DISPLACED RETAINING WALL STONES AT SIDEWALK.
- 4. REPLACE UP TO 50 LINEAR FEET OF DAMAGED 4' HIGH CHAIN LINK FENCE AND 2" THICK POSTS IN STONE RETAINING WALL.
- 5. PROVIDE NEW ACT CEILING AND LIGHTING SYSTEMS AS INSTRUCTED IN DRAWING CONTENT, REMOVE AND DISPOSE OF EXISTING CEILING AND LIGHTING SYSTEMS.
- 6. 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.
- 7. 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.
- 8. PROVIDE LEVER TYPE HARDWARE COMPLYING WITH ADA REQUIREMENTS.

04 20 00 — CONCRETE MASONRY UNITS

- 1. SUMMARY: THIS SECTION INCLUDES UNIT MASONRY ASSEMBLIES CONSISTING OF THE FOLLOWING:
 - 1. CONCRETE MASONRY UNITS. (CMU)
 - 2. FACE BRICK.
 - 3. MORTAR AND GROUT.
 - 4. TIES AND ANCHORS.5. PREFABRICATED MASONRY LINTELS.

2. SUBMITTALS

- A. PRODUCT DATA: FOR EACH DIFFERENT MASONRY UNIT, MORTAR MATERIAL, ACCESSORY, AND OTHER MANUFACTURED PRODUCT SPECIFIED.

 B. SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION DETAILS. COMPLY WITH ACI 315, "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT."

 C. SAMPLES FOR INITIAL SELECTION: FOR THE FOLLOWING:
 - 1. COLORED MORTAR SAMPLES IN SMALL-SCALE FORM SHOWING THE FULL RANGE OF COLORS AND TEXTURES AVAILABLE FOR EACH DIFFERENT EXPOSED MORTAR COLOR REQUIRED.
- D. SAMPLES FOR VERIFICATION: FOR THE FOLLOWING:
 - 1. 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.

 2. COLORED 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.
 - 3. WEEP HOLES/VENTS IN COLOR TO MATCH MORTAR COLOR 4. ACCESSORIES EMBEDDED IN THE MASONRY.
 - 4. ACCESSORIES EMBEDDED IN THE MASONRY.
- 3. 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.

4. DELIVERY, STORAGE, AND HANDLING

- A. 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.
- B. STORE CEMENTITIOUS MATERIALS ON ELEVATED PLATFORMS, UNDER COVER, AND IN A DRY LOCATION. DO NOT USE CEMENTITIOUS MATERIALS THAT HAVE
- C. 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.

5. CONCRETE MASONRY UNITS

- A. CONCRETE MASONRY UNITS (CMU): ASTM C 90 WITH MINIMUM AVERAGE NET-AREA COMPRESSIVE STRENGTH OF 1900 PSI; LIGHTWEIGHT; AND AS FOLLOWS:
 - 1. 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
 - 2. EXPOSED FACES: MANUFACTURER'S STANDARD COLOR AND TEXTURE, UNLESS OTHERWISE INDICATED.
 - 3. PROVIDE U.L. CLASSIFIED UNITS FOR RATED WALLS, OR UNITS MEETING THE FIRE RESISTANCE RATINGS BY EQUIVALENT CONCRETE MASONRY THICKNESS.

EMERGENCY KITCHEN RECONSTRUCTION AT SCHOOL 9

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NYSED #: 66-23-00-01-0-009-011



KG+D ARCH

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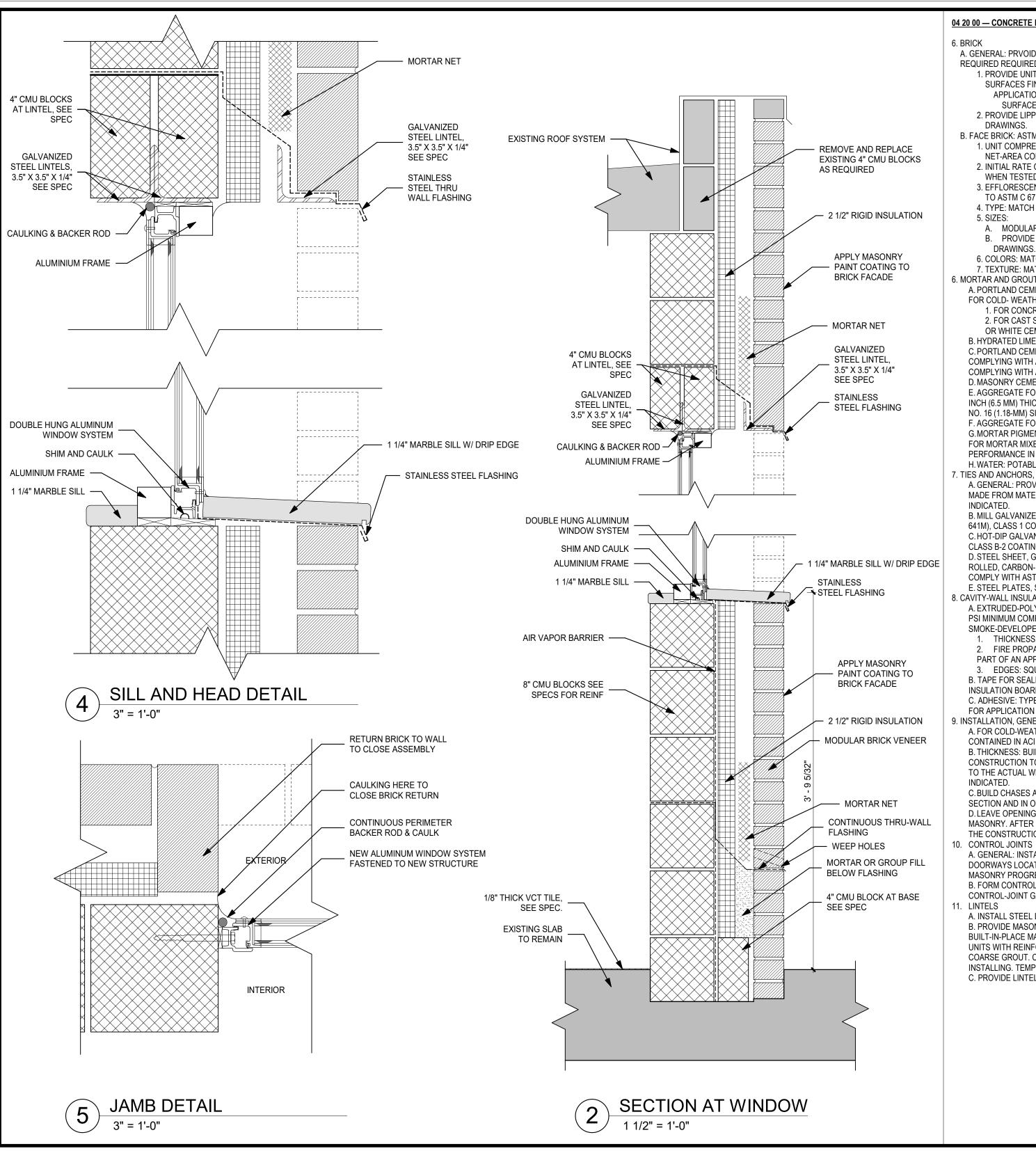
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OVERALL PLANS

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A200



04 20 00 — CONCRETE MASONRY UNITS - CONTINUED

- A. GENERAL: PRVOIDE SHAPES INDICATED AS FOLLOWS FOR EACH FORM OF BRICK REQUIRED 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
 - 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
- 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.

6. 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.
- 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.
- 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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DETAILS

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<u>07 90 00 — CAULKING AND SEALING/JOINT SEALANTS</u>

- A. JOINT PRIMER, SEALER AND/OR CONDITIONER SHALL BE AS RECOMMENDED BY THE SEALANT MANUFACTURER FOR THE SURFACES TO BE ADHERED TO. B. PREFORMED JOINT FILLERS SHALL BE NONSTAINING COMPATIBLE WITH SEALANT AND PRIMER. AND OF A RESILIENT NATURE AND SHALL BE ONE OF THE FOLLOWING:
- CLOSED CELL NEOPRENE JOINT FILLER (FOR PRECAST PANEL JOINTS NOT COMPATIBLE WITH SILICONE SEALANTS) - ASTM D 1056, CLASS SC (OIL RESISTANT AND MEDIUM SWELL), 2 TO 5 PSI COMPRESSION DEFLECTION.
- EXPANDED POLYETHYLENE JOINT FILLER (FOR EXISTING JOINTS) -FLEXIBLE, COMPRESSIBLE, CLOSED-CELL POLYETHYLENE OF NOT LESS THAN 10 PSI COMPRESSION DEFLECTION (25%).
- 3. CLOSED CELL POLYURETHANE JOINT FILLER (FOR PAVEMENTS, WALKS, AND CURBS) - RESILIENT, COMPRESSIBLE, SEMI-RIGID; W.R. MEADOW'S CERAMAOR A.C. HORN'S CLOSED CELL PLASTIC FOAM FILLER, CODE 5401.
- C. BACKER ROD FOR GENERAL VERTICAL USE: ASTM C 1330, TYPES B OR C, ROD STOCK CLOSED CELL POLYETHYLENE FOAM, CLOSED CELL NEOPRENE FOAM, OR OPEN CELL URETHANE FOAM, AS RECOMMENDED BY SEALANT MANUFACTURER AS BEING COMPATIBLE BOTH WITH THE SEALANT USED AND THE PRIMER.
- 2. EXPANSION JOINT SYSTEM A. MANUFACTURER: EMSEAL JOINT SYSTEMS, LTD, 23 BRIDLE LANE, SUITE 3,

WESTBOROUGH, MA 01581-2603; TOLL FREE: 800-526-8365. B. SEAL SHALL BE SILICONE PRE-COATED, PREFORMED, PRECOMPRESSED, SELF-EXPANDING, SEALANT SYSTEM. SEAL SHALL COMBINE FACTORY-APPLIED, 15 SHORE-A HARDNESS, LOW-MODULUS SILICONE, AND A BACKING OF ACRYLIC-IMPREGNATED EXPANDING FOAM INTO A UNIFIED BINARY SEALANT SYSTEM. C. SEALING AGAINST THE SUBSTRATE TO BE ACHIEVED THROUGH A COMBINATION OF THE PRESSURE-SENSITIVE ADHESIVE IMPREGNATION, AND THE BACK PRESSURE OF THE EXPANDING FOAM, AS WELL AS THROUGH THE ADDITION, BY THE CONTRACTOR IN THE FIELD, OF A CORNER BEAD OF SILICONE SUPPLIED BY

THE SEALANT MANUFACTURER. . JOINT BACKING INSTALLATION

A. INSTALL BOND BREAKER TAPE IN RELAXED CONDITION AS IT COMES OFF THE ROLL. DO NOT STRETCH THE TAPE. LAP INDIVIDUAL LENGTHS. B. PREVENT THREE SIDED ADHESION BY USE OF BOND BREAKER TAPES OR BACKER RODS AT THE BACK OF THE JOINT. INSTALL BACKER RODS FOR ALL LIQUID SEALANTS, EXCEPT WHERE SPECIFICALLY RECOMMENDED AGAINST BY SEALANT MANUFACTURERS. INSTALL BACKER RODS IMMEDIATELY BEFORE SEALANTS, DO NOT PERMIT BACKER RODS TO GET WET. INSTALL BACKER RODS AT THE PROPER DEPTH TO CREATE THE SPECIFIED SEALANT DEPTH, AVOID PLACING BACKER RODS TOO DEEP WHICH WILL RESULT IN SEALANT FAILURE DUE TO EXCESSIVE SEALANT DEPTH. BACKUP MATERIAL SHALL BE SUITABLE SIZE AND SHAPE SO THAT WHEN COMPRESSED 20 TO 50%, IT WILL FIT IN ALL JOINTS WHERE REQUIRED. DO NOT CUT OR PUNCTURE THE SURFACE SKIN OF THE ROD. C. APPLY MASKING TAPE WHERE REQUIRED BY SURFACES ENCOUNTERED, AND AS MAY BE DETERMINED BY MOCKUP TESTING, IN CONTINUOUS STRIPS IN ALIGNMENT

. SEALANT INSTALLATION

A. APPLY, TOOL AND FINISH SEALANT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

WITH JOINT EDGE. REMOVE TAPE IMMEDIATELY AFTER JOINTS HAVE BEEN SEALED

B. TOOL ALL VERTICAL, NON-SAG SEALANTS SO AS TO COMPRESS THE SEALANT, ELIMINATING ALL AIR VOIDS AND PROVIDING A NEAT SMOOTHLY FINISHED JOINT. PROVIDE SLIGHTLY CONCAVE JOINT SURFACE, UNLESS OTHERWISE INDICATED OR RECOMMENDED BY THE MANUFACTURER.

08 22 50 — POLYESTER FACED DOOR

. SYSTEM DESCRIPTION

A. GENERAL: PROVIDE POLYESTER FACED DOOR AND ALUMINUM FRAMING SYSTEMS CAPABLE OF WITHSTANDING LOADS AND THERMAL AND STRUCTURAL MOVEMENT REQUIREMENTS INDICATED WITHOUT FAILURE, BASED ON TESTING MANUFACTURER'S STANDARD UNITS IN ASSEMBLIES SIMILAR TO THOSE INDICATED FOR THIS PROJECT.

B. DIMENSIONAL TOLERANCES: PROVIDE POLYESTER FACED DOORS AND ALUMINUM FRAMING SYSTEMS THAT ACCOMODATE DIMENSIONAL TOLERANCES OF BUILDING FRAME AND OTHER ADJACENT CONSTRUCTION.

2. MANUFACTURERS

A. PROVIDE POLYESTER FACED DOOR, PANELS AND ALUMINUM FRAMES MANUFACTURED BY ONE OF THE FOLLOWING:

1. SPECIAL-LITE, INC.

2. TUBELITE, INC.

3. COMMERCIAL DOOR SYSTEMS.

. INSTALLATION

A. GENERAL: COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR PROTECTING, HANDLING, AND INSTALLING FRP DOORS AND ALUMINUM FRAMING SYSTEMS. DO NOT INSTALL DAMAGED COMPONENTS. FIT FRAME JOINTS TO PRODUCE HAIRLINE JOINTS FREE OF BURRS AND DISTORTION. RIGIDLY SECURE NONMOVEMENT JOINTS.

B. METAL PROTECTION: WHERE ALUMINUM WILL CONTACT DISSIMILAR METALS, PROTECT AGAINST GALVANIC ACTION BY PAINTING CONTACT SURFACES WITH PRIMER OR BY APPLYING SEALANT OR TAPE RECOMMENDED BY MANUFACTURER FOR THIS PURPOSE. WHERE ALUMINUM WILL CONTACT CONCRETE OR MASONRY, PROTECT AGAINST CORROSION OF PAINTING

CONTACT SURFACES WITH BITUMINOUS PAINT. C. INSTALL FRAMING COMPONENTS PLUMB AND TRUE IN ALIGNMENT WITH ESTABLISHED LINES AND GRADES WITHOUT WARP OR RACK OF FRAMING

D. INSTALL DOORS AND FRAMES PLUMB AND TRUE IN ALIGNMENT WITH ESTABLISHED LINES AND GRADES WITHOUT WARP OR RACK. LUBRICATE OPERATING HARDWARE AND OTHER MOVING PARTS ACCORDING TO HARDWARE MANUFACTURER'S WRITTEN INSTRUCTIONS.

- 1. INSTALL SURFACE-MOUNTED HARDWARE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS USING CONCEALED FASTENERS TO GREATEST EXTENT POSSIBLE.
- 2. INSTALL FRAMES WITH ANCHORS APPROPRIATE FOR WALL CONDITIONS TO ANCHOR FRAMING TO WALL MATERIALS.

08 51 13 ALUMINUM WINDOWS

1. SYSTEM DESCRIPTION

A. GENERAL: IN ADDITION TO REQUIREMENTS SHOWN OR SPECIFIED COMPLY WITH APPLICABLE PROVISIONS OF AAMA/WDMA/CSA 101/I.S.2/A440-08 FOR DESIGN, MATERIALS, FABRICATION AND INSTALLATION OF COMPONENT PARTS. B. NEW WINDOW SHALL MATCH SIZE AND STYLE OF EXISTING WINDOW. V.I.F. DIMENSIONS AND SILL HEIGHT OF EXISTING WINDOW.

2. MANUFACTURERS

A. BASIS OF DESIGN: SERIES GT2200 DOUBLE HUNG AS MANUFACTURED BY GRAHAM ARCHITECTURAL PRODUCTS, YORK, PA.

3. INSTALLATION

A. COMPLY WITH MANUFACTUER'S SPECIFICATIONS AND RECOMMENDATIONS FOR INSTALLATION OF WINDOW UNITS, HARDWARE, OPERATORS AND OTHER COMPONENTS OF WORK. IN NO CASE SHALL ATTACHMENT TO STRUCTURE TO COMPONENTS OF THE WINDOW SYSTEM BE THROUGH OR AFFECT THE THERMAL BARRIERS OF THE WINDOW UNITS.

B. SET UNITS PLUB, LEVEL AND TRUE TO LINE, WITHOUT WARP OR RACK OF FRAMES OR SASH. ANCHOR SECURELY IN PLACE.

C. WEDGE FIBERGLASS INSULATION BETWEEN FRAMES OF NEW WINDOWS AND CONSTRUCTION TO REMAIN. OR BETWEEN FRAMES AND NEW RECEPTOR AS APPLICABLE.

D. SET SILL MEMBERS AND OTHER MEMBERS IN BED OF COMPOUND AS SHOWN, OR WITH JOINT FILLERS OR GASKETS AS SHOWN, TO PROVIDE WEATHERTIGHT CONSTRUCTION. SEAL UNITS FOLLOWINHG INSTALLATION AND AS REQUIRED TO PROVIDE WEATHERTIGHT SYSTEM.

08 71 00 DOOR HARDWARE

1. SUMMARY OF COMMERCIAL DOOR HARDWARE

A. CODES AND REFERENCES: COMPLY WITH THE VERSION YEAR ADOPTED BY THE AUTHORIY HAVING JURISDICTION.

ANSI A117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.

ICC/IBC - INTERNATIONAL BUILDING CODE.

NFPA 70 - NATIONAL ELECTRICAL CODE. NFPA 80 - FIRE DOOR AND WINDOWS.

NFPA 101 - LIFE SAFETY CODE.

NFPA 105 - INSTALLATION OF SMOKE DOOR ASSEMBLIES.

STATE BUILDING CODES, LOCAL AMENDMENTS.

B. STANDARDS: ALL HARDWARE SPECIFIED HEREIN SHALL COMPLY WITH THE FOLLOWING INDSUTRY STANDARDS APPLICABLE, ANY UPDATED REFERENCE TO A STANDARD SHALL BE INTERPRETED AS REFERRING TO THE LATEST EDITION OF THAT STANDARD:

ANSI/BHMA CERTIFIED PRODUCT STANDARDS - A156 SERIES.

UL10C - POSITIVE PRESSURE FIRE TESTS OF DOOR ASSEMBLIES. ANSI/UL 294 - ACCESS CONTROL SYSTEM UNITS.

4. UL 305 - PANIC HARDWARE.

2. SCHEDULED DOOR HARDWARE

A. GENERAL: PROVIDE DOOR HARDWARE FOR EACH DOOR TO COMPLY WITH REQUIREMENTS IN DOOR HARDWARE SETS AND EACH REFERENCED SECTION THAT PRODUCTS ARE TO BE SUPPLIED UNDER.

B. NAMED MANUFACTURER'S PRODUCTS: PRODUCT DESIGNATION AND MANUFACTURER ARE LISTED FOR EACH DOOR HARDWARE TYPE REQUIRED FOR THE PURPOSE OF ESTABLISHING REQUIREMENTS. MANUFACTURERS' NAMES ARE ABBREVIATED IN THE DOOR HARDWARE SCHEDULE.

3. HANGING DEVICES

A. HINGES: ANSI/BHMA A156.1 CERTIFIED BUTT HINGES WITH NUMBER OF HINGE KNUCKLES AND OTHER OPTIONS AS SPECIFIED IN THE DOOR HARDWARE SETS. HINGE SIZE: 5" HEAVY WEIGHT ANCHOR HINGES, BALL BEARING OR OIL

IMPREGNATED BEARING. 2. HINGE OPTIONS: COMPLY WITH THE FOLLOWING:

A. NON-REMOVABLE PINS: WITH THE EXCEPTION OF ELECTRIC THROUGH WIRE HINGES, PROVIDE SET SCREW IN HINGE BARREL THAT, WHEN TIGHTENED INTO A GROOVE IN HINGE PIN, PREVENTS REMOVAL OF PIN WHILE DOOR IS CLOSED; FOR ALL OUT SWINGING LOCKABLE DOORS.

3. MANUFACTURERS: A. BOMMER INDUSTRIES (BO).

B. HAGER COMPANIES (HA).

C. MCKINNEY PRODUCTS, ASSA ABLOY ARCHITECTURAL DOOR

ACCESSORIES (MK). 4. CYLINDERS AND KEYING

A. SOURCE LIMITATIONS: OBTAIN EACH TYPE OF KEYED CYLINDER AND KEYS FROM THE SAME SOURCE MANUFACTURER AS LOCKSETS AND EXIT DEVICES. UNLESS OTHERWISE INDICATED.

1 MANUFACTURERS

A. CORBIN RUSSWIN HARDWARE (RU).

B. SARGENT MANUFACTURING (SA).

B. CYLINDER TYPES: ORIGINAL MANUFACTURER CYLINDERS ABLE TO SUPPLY THE FOLLOWING CYLINDER FORMATS AND TYPES:

1. THREADED MORTISE CYLINDERS WITH RINGS AND CAMS TO SUIT HARDWARE APPLICATION.

2. RIM CYLINDERS WITH BACK PLATE, FLAT-TYPE VERTICL OR HORIZONTAL TAILPIECE. AND RAISED TRIM RING.

3. BORED OR CYLINDERICAL LOCK CYLINDERS WITH TAILPIECES AS REQUIRED TO SUIT LOCKS.

4. TUBULAR DEADLOCKS AND OTHER AUXILIARY LOCKS.

MORTISE AND RIM CYLINDER COLLARS TO BE SOLID AND RECESSED TO ALLOW THE CYLINDER FACE TO BE FLUSH AND BE FREE SPINNING WITH MATCHING FINISHES

6. KEYWAY: MATCH FACILITY STANDARD

C. KEYING SYSTEM: EACH TYPE OF LOCK AND CYLINDERS TO BE FACTORY KEYED SUPPLIER SHALL CONDUCT A "KEYING CONFERENCE" TO DEFINE AND DOCUMENT KEYING SYSTEM INSTRUCTIONS AND REQUIREMENTS. 2. FURNISH FACTORY CUT, NICKEL-SILVER LARGE BOW PERMANENTLY

INSCRIBED WITH A VISUAL KEY CONTROL NUMBER AS DIRECTED BY OWNER. 3. EXISTING SYSTEM: FIELD VERIFY AND KEY CYLINDERS TO MATCH OWNER'S EXISTING SYSTEM.

5. MECHANICAL LOCKS AND LATCHING DEVICES

A. MANUFCATURERS: CORBIN RUSSWIN HARDWARE (RU) - ML2000 SERIES. 6. LOCK AND LATCH STRIKES

A. STRIKES: PROVIDE MANUFACTURER'S STANDARD STRIKE WITH STRIKE BOX FOR EACH LATCH OR LOCK BOLT, WITH CURVED LIP EXTENDED TO PROTECT FRAME, FINISHED TO MATCH DOOR HARDWARE SET, UNLESS OTHERWISE INDICATED.

08 71 00 DOOR HARDWARE - CONTINUED

7. CONVENTIONAL EXIT DEVICES

A. GENERAL REQUIREMENTS: ALL EXIT DEVICES SPECIFIED HEREIN SHALL MEET OR **EXCEED THE FOLLOWING CRITERA:**

1. PROVIDE DEVICES COMPLYING WITH NFPA 101 AND LISTED AND LABELED "PANIC HARDWARE" ACCORDING TO UL305. PROVIDE PROPER FASTENERS AS REQUIRED BY MANUFACTURER INCLUDING NUTS AND BOLTS AT OPENINGS SPECIFIED IN THE HARDWARE SETS.

2. PROVIDE EXIT DEVICES WITH KEY CYLINDER DOGGING DEVICE TO HOLD THE PUSHBAR AND LATCH IN A RETRACTED POSITION.

3. DEVICES MUST FIT FLAT AGAINST THE DOOR FACE WITH NO GAP THAT PERMITS UNAUTHORIZED DOGGING OF THE PUSH BAR. THE ADDITION OF FILLER STRIPS IS REQUIRED IN ANY CASE WHERE THE DOOR LIGHT EXTENDS BEHIND THE DEVICE AS IN A FULL GLASS CONFIGURATION. 4. VERTICAL ROD EXIT DEVICES: WHERE SURFACE OR CONCEALED VERTICAL

ROD EXIT DEVICES ARE USED AT INTERIOR OPENINGS. PROVIDE AS LESS BOTTOM ROD (LBR) UNLESS OTHERWISE INDICATED. PROVIDE DUST PROOF STRIKES WHERE THERMAL PINS ARE REQUIRED TO PROJECT INTO THE FLOOR. B. CONVENTIONAL PUSH RAIL EXIT DEVICES (HEAVY DUTY): ANSI/BHMA A156.3, GRADE 1 CERTIFIED PRODUCTS DIRECTORY (CPD) LISTED PANIC AND FIRE EXIT HARDWARE DEVICES FURNISHED IN THE FUNCTIONS SPECIFIED IN THE HARDWARE SETS. EXIT DEVICE LATCH TO BE STAINLESS STEEL, PULLMAN TYPE, WITH DEADLOCK FEATURE.

 MANUFACTURERS: SARGENT MANUFACTURING (SA) - 80 SERIES. 8. DOOR CLOSERS

A. ALL DOOR CLOSERS SPECIFIED HEREIN SHALL MEET OR EXCEED THE FOLLOWING CRITERA:

1. GENERAL: DOOR CLOSERS TO BE FROM ONE MANUFACTURER, MATCHING IN DESIGN AND STYLE, WITH THE SAME TYPE DOOR PREPARATIONS AND TEMPLATES REGARDLESS OF APPLICATION OR SPRING SIZE. CLOSERS TO BE NON-HANDED WITH FULL SIZED COVERS.

2. SIZE OF UNITS: COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS FOR SIZING OF DOOR CLOSERS DEPENDING ON SIZE OF DOOR, EXPOSURE TO WEATHER, AND ANTICIPATED FREQUENCY OF USE. WHERE CLOSERS ARE INDICATED FOR DOORS REQUIRED TO BE ACCESSIBLE TO THE AMERICANS WITH DISABILITIES ACT, PROVIDE UNITS COMPLYING WITH ANSI ICC/A117.1.

3. CLOSER ARMS: PROVIDE HEAVY DUTY, FORGED STEEL CLOSER ARMS

UNLESS OTHERWISE INDICATED IN HARDWARE SETS. 4. CLOSERS SHALL NOT BE INSTALLED ON EXTERIOR OR CORRIDOR SIDE OF DOORS; WHERE POSSIBLE INSTALL CLOSERS ON DOOR FOR OPTIMUM

AESTHETICS. B. MANUFACTURERS

NORTON DOOR CONTROLS (NO) - UNITROL SERIES.

CORBIN RUSSWIN HARDWARE (RU) - DC6000 SERIES. 9. ARCHITECTURAL TRIM

A. GENERAL: DOOR PROTECTIVE TRIM UNITS TO BE OF TYPE AND DESIGN AS SPECIFIED BELOW OR IN THE HARDWARE SETS.

B. MANUFACTURERS: HIAWATHA, INC. (HI).

ROCKWOOD PRODUCTS; ASSA ABLOY ARCHITECTURAL DOOR ACCESSORIES

(RO). TRIMCO (TC).

10. INSTALLATION A. INSTALL EACH ITEM OF HARDWARE AND ACCESS CONTROL EQUIPMENT TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND ACCORDING TO SPECIFICATIONS.

B. INSTALLERS ARE TO BE TRAINED AND CERTIFIED BY THE MANUFACTURER ON THE PROPER INSTALLATION AND ADJUSTMENT OF FIRE, LIFE SAFETY, AND SECURITY PRODUCTS INCLUDING: HANGING DEVICES; LOCKING DEVICES; CLOSING DEVICES: AND SEALS.

09 51 00 - ACOUSTICAL CEILINGS

1. SYSTEM DESCRIPTION

A. GENERAL: PROVIDE CONTINUOUS WALL-TO-WALL ACOUSTIC CEILING KITCHEN GRADE TILE IN PLACE OF THE EXISTING CEILING SYSTEM

2. MANUFACTURERS

A. CEILING PANELS: ARMSTRONG WORLD INDUSTRIES, INC. B. SUSPENSIONS SYSTEMS: ARMSTRONG WORLD INDUSTRIES, INC. C. PERIMETER SYSTEMS: ARMSTRONG WORLD INDUSTRIES, INC.

3. ACOUSTICAL CEILING UNITS A. ACOUSTICAL PANELS TYPE AP

SURFACE TEXTURE: SMOOTH.

COMPOSITION: MINERAL FIBER.

COLOR: WHITE.

4. SIZE: 24" X 24". 5. EDGE PROFILE: SQUARE LAY-IN 15/16" FOR INTERFACE WITH PRELUDE XL 15/16" EXPOSED TEE GRID.

6. CEILING ATTENTUATION CLASS (CAC): ASTM C 1414; CLASSIFIED WITH UL LABEL ON PRODUCT CARTON.

7. ACCEPTABLE PRODUCT: KITCHEN ZONE, 673 NO ADDED FORMALDEHYDE AS MANUFACTURED BY ARMSTRONG WORLD INDUSTRIES.

4. METAL SUSPENSION SYSTEMS

A. COMPONENTS: MAIN BEAMS AND CROSS TEES, BASE METAL AND END DETAIL, FABRICATED FROM COMMERCIAL QUALITY HOT DIPPED GALVANIZED STEEL COMPLYING WITH ASTM A 653. MAIN BEAMS AND CROSS TEES ARE DOUBLE-WEB STEEL CONSTRUCTION WITH TYPE EXPOSED FLANGE DESIGN. EXPOSED SURFACES CHEMICALLY CLEANSED, CAPPING PREFINISHED GALVANIZED STEEL IN BAKED POLYESTER PAINT. MAIN BEAMS AND CROSS TEES SHALL HAVE ROTARY STITCHING.

5. INSTALLATION

A. FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS B. INSTALL SUSPENSION SYSTEM AND PANELS IN ACCORDANCE WITH MANUFACTERER'S INSTRUCTIONS, AND IN COMPLIANCE WITH ASTM C 636 AND WITH THE AUTHORITIES HAVING JURISDICTION.

SPACED 4-0 ON CENTER ALONG THE LENGTH OF THE MAIN RUNNER. INSTALL HANGER WIRES PLUMB AND STRAIGHT. D. INSTALL WALL MOLDINGS AT INTERSECTION OF SUSPENDED CEILING AND

VERTICAL SURFACES. MITER CORNERS WHERE WALL MOLDINGS INTERSECT OR

C. SUSPEND MAIN BEAM FROM OVERHEAD CONSTRUCTION WITH HANGER WIRES

INSTALL CORNER CAPS. E. INSTALL ACOUSTICAL PANELS IN COORDINATION WITH SUSPENDED SYSTEM, WITH EDGES RESTING ON FLANGES OF MAIN RUNNER AND CROSS TEES. CUT AND FIT PANELS NEATLY AGAINST ABUTTING SURFACES. SUPPORT EDGES BY WALL MOLDINGS.

04 20 00 - CONCRETE MASONRY UNITS - CONTINUED

12. FLASHING, WEEP HOLES, AND VENTS

A. GENERAL: INSTALL EMBEDDED FLASHING AND WEEP HOLES IN MASONEY AT SHELF ANGLES, LINTELS, LEDGES, OTHER OBSTRUCTIONS TO DOWNWARD FLOW OF WATER IN WALL, AND WHERE INDICATED.

B. PREPARE MASONRY SURFACES SO THEY ARE SMOOTH AND FREE FROM PROJECTIONS THAT COULD PUNCTURE FLASHING. UNLESS OTHERWISE INDICATED, PLACE THROUGH-WALL FLASHING ON SLOPING BED OF MORTAR AND COVER WITH MORTAR. BEFORE COVERING WITH MORTAR, SEAL PENETRATIONS IN FLASHING WITH ADHESIVE, SEALANT, OR TAPE AS RECOMMENDED BY FLASHING MANUFACTURER. C. INSTALL FLASHING AS FOLLOWS:

1. AT MASONRY-VENEER WALLS, APPLY FLEXIBLE FLASHING OVER THE AIR BARRIER TO A HEIGHT OF 6" ABOVE THE TOP OF THE CAVITY DRAINAGE MATERIAL AND SECURE FLASHING TOP EDGE WITH A TERMINATION BAR TO SUBSTRATE. APPLY SEALANT TO TOP OF TERMINATION BAR. INSTALL A 6" WIDE STRIP OF COMPATIBLE SELF-ADHESIVE MEMBRANE OVER THE INSTALLED TERMINATION BAR AND SEALANT, CENTERED ON THE TERMINATION BAR. INSTALL METAL DRIP EDGES BENEATH FLEXIBLE FLASHING AT EXTERIOR FACE OF WALL, AND ADHERE FLEXIBLE FLASHING TO TOP OF METAL DRIP

2. AT LINTELS AND SHELF ANGLES, EXTEND FLASHING A MINIMUM OF 4 INCHES INTO MASONRY AT EACH END. AT HEADS AND SILLS, EXTEND FLASHING 4 INCHES AT ENDS AND TURN FLASHING UP NOT LESS THAN 2 INCHES TO FORM A PAN.

3. EXTEND SHEET METAL FLASHING 1/2 INCH BEYOND FACE OF MASONRY AT EXTERIOR AND TURN FLASHING DOWN TO FORM A DRIP. 4. INSTALL END DAMS AT ALL WINDOW AND DOOR FLASHING LOCATIONS.

D. INSTALL WEEP HOLES IN THE HEAD JOINTS IN EXTERIOR WYTHES OF THE FIRST COURSE OF MASONRY IMMEDIATELY ABOVE EMDEDDED FLASHING.

E. INSTALL VENTS IN VERTICAL HEAD JOINTS AT THE TOP OF EACH CONTINUOUS CAVITY AT SPACING INDICATED. USE PLASTIC WEEP HOLE/VENTS TO FORM VENTS.

F. INSTALL REGLETS AND NAILERS FOR FLASHING AND OTHER RELATED CONSTRUCTION WHERE THEY ARE SHOWN TO BE BUILT INTO MASONRY. 13. REPAIRNG. POINTING. AND CLEANING

A. REMOVE AND REPLACE MASONRY UNITS THAT ARE LOOSE, CHIPPED, BROKEN, STAINED, OR OTHERWISE DAMAGED OR THAT DO NOT MATCH ADJOINING UNITS. INSTALL NEW UNITS TO MATCH ADJOINING UNITS: INSTALL IN FRESH MORTAR, POINTED TO ELIMINATE EVIDENCE OF

REPLACEMENT. B. POINTING: DURING THE TOOLING OF JOINTS, ENLARGE VOIDS AND HOLES, EXCEPT WEEP HOLES, AND COMPLETELY FILL WITH MORTAR. POINT UP JOINTS, INCLUDING CORNERS, OPENINGS AND ADJACENT CONSTRUCTION, TO PROVIDE A NEAT, UNIFORM APPEARANCE. PREPARE JOINTS FOR SEALANT APPLICATION.

SMEARS BEFORE TOOLING JOINTS.

09 65 19 - RESILIENT TILE / SHEET FLOORING

1. PRODUCTS: ARMSTRONG FLOORING, IMPERIAL TEXTURES, 12" X 12" X 1/8"

PROGRESSES BY DRY BRUSHING TO REMOVE MORTART FINS AND

C. IN-PROGRESS CLEANING: CLEAN UNIT MASONRY AS WORK

A. GENERAL

FLOORING COMPLIES WITH FLOORSCORE STANDARD.

LOW-VOC ADHESIVE AND SEALANT. CLASS 1 PRODUCT, COMPLYING WITH NFPA 253 CLASS 1. B. PRODUCTS: TILE ARMSTRONG IMPERIAL TEXTURES, 12" X 12" X 1/8". COLOR: COOL WHITE 5C899 OR APPROVED EQUIVALENT. FINAL COLOR SELECTION BY OWNER/ARCHITECT.

C. INSTALLATION: TROWELABLE LEVELING AND PATCHING COMPOUNDS.

ADHESIVES. SEAMLESS-INSTALLATION ACCESSORIES.

4. FLOOR POLISH/SEALER.

D. WARRANTY 1. PROVIDE MANUFACTURERS 5 YEAR LIMITED WARRANTY.

32 31 13 CHAIN LINK FENCE

1. MANUFACTURERS A. THE FOLLOWING MANUFACTURERS ARE NAMED TO ESTABLISH A

STANDARD OF QUALITY NECESSARY FOR THE PROJECT. ALLIED TUBE & CONDUIT CORP.

2. ANCHOR FENCE, INC.

3. PAGE ALUMINIZED STEEL CORP.

2. INSTALLATION A. FENCE INSTALLATION SHALL CONFORM TO REQUIREMENTS OF ASTM

F567. B. PROVIDE FENCE HEIGHTS AS SHOWN ON CONTRACT DRAWINGS. C. SPACE LINE POSTS AT INTERVALS NOT EXCEEDING TEN FEET. D. SET TERMINAL. GATE AND LINE POSTS PLUMB IN CONCRETE FOOTINGS AS SHOWN ON CONTRACT DRAWINGS, TOP OF FOOTING SHALL BE 2 INCHES ABOVE GRADE AND SLOPED TO DIRECT WATER AWAY FROM

POSTS.' E. BRACE GATE AND TERMINAL POSTS BACK TO ADJACENT LINE POSTS WITH HORIZONTAL BRACE RAILS AND DIAGONAL TRUSS RODS. F. INSTALL TOP RAIL THROUGH THROUGH LINE POST LOOP CAPS CONNECTING SECTIONS WITH SLEEVES TO FORM A CONTINUOUS RAIL BETWEEN TERMINAL POSTS. FASTEN TOP RAIL TO TERMINAL POSTS. G. STRETCH BOTTOM TENSION WIRE BETWEEN TERMINAL POSTS 6" ABOVE GRADE AND FASTEN TO OUTSIDE OF LINE POSTS WITH TIE

H. PULL FABRIC TAUT TO PROVIDE A SMOOTH UNIFORM APPEARANCE, FREE FROM SAG, WITH BOTTOM SELVAGE 2" ABOVE GRADE, FASTEN TO TERMINAL POSTS WITH TENSION BARS THREADED THROUGH MESH AND SECURED WITH TENSION BANDS AT MAXIMUM 18" INTERVALS. TIE TO LINE POSTS AND TOP RAILS WITH TIE WIRES SPACED AT MAXIMUM 14" ON POSTS AND 24" ON RAILS. ATTACH TO BOTTOM TENSION WIRE

WITH HOG RINGS AT MAXIMUM 24" INTERVALS. I. INSTALL GATES PLUMB, LEVEL AND SECURE FOR FULL OPENING WITHOUT INTERFERENCE. ANCHOR CENTER STOPS AND KEEPERS IN CONCRETE. ADJUST AND LUBRICATE HARDWARE FOR SMOOTH OPERATION.

EMERGENCY KITCHEN RECONSTRUCTION AT SCHOOL 9

YONKERS PUBLIC SCHOOLS 53 FAIRVIEW STREET, YONKERS, NY 10703

NYSED #: 66-23-00-01-0-009-011



285 MAIN STREET MOUNT KISCO . NEW YORK . 10549 P:914.666.5900 KGDARCHITECTS.COM

CONSTRUCTION DOCUMENTS

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Professional Seal

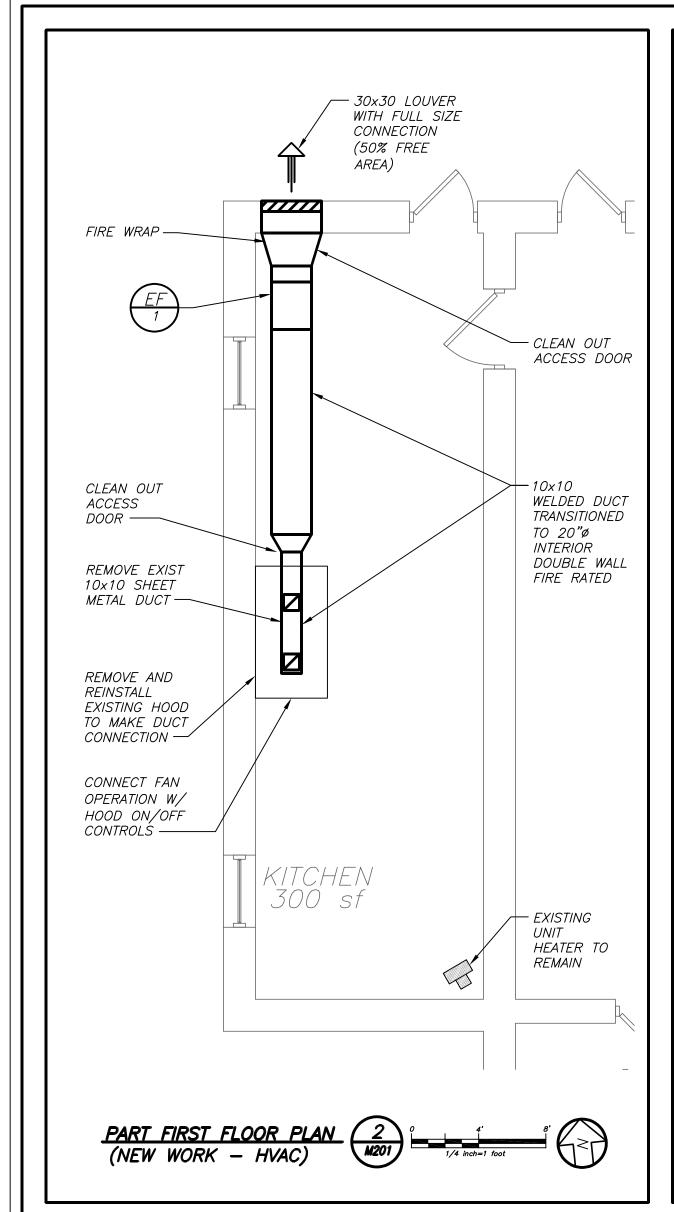
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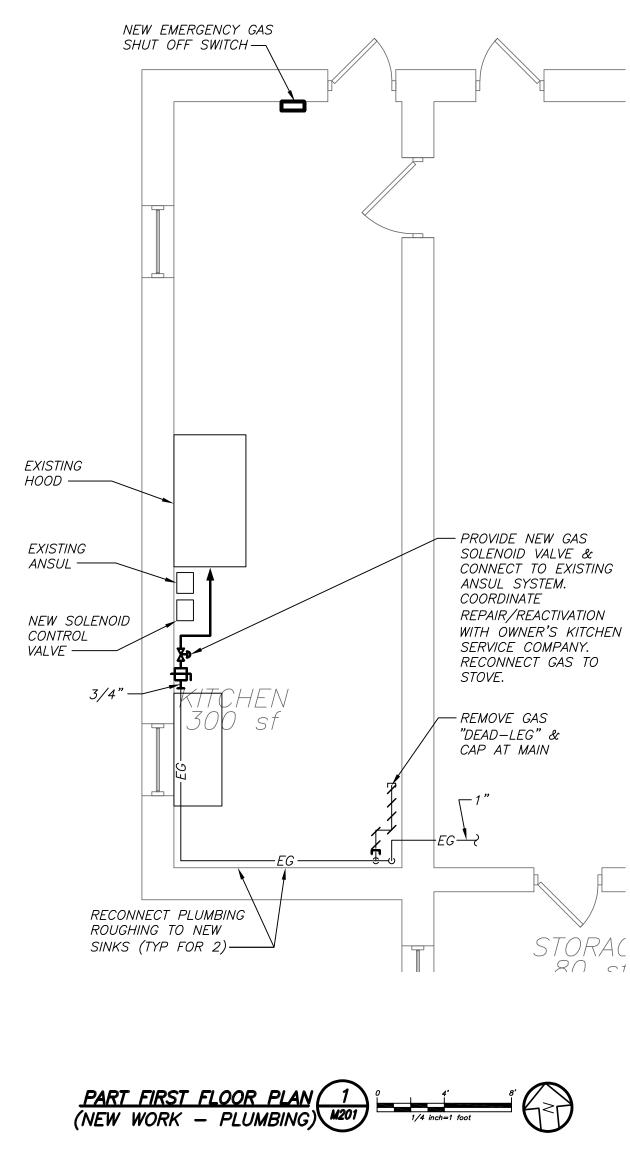
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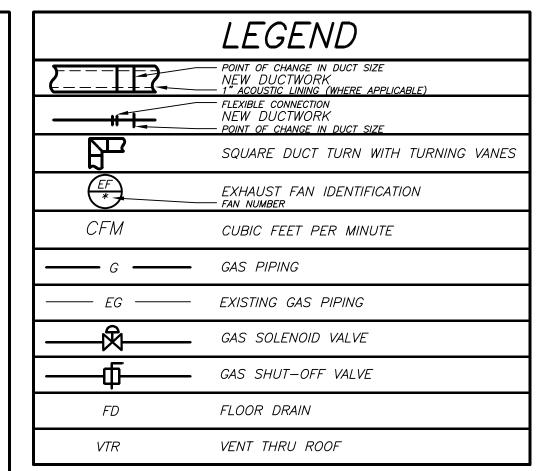
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2023 - 1062	11/10/2023
Scale	Drawn / Checked
AS NOTED	RTM / RAD

Sheet Number

Sheet Title







REMOVAL NOTES:

- 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.
- 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.

EMERGENCY KITCHEN RECONSTRUCTION AT SCHOOL 9

YONKERS PUBLIC SCHOOLS 53 FAIRVIEW STREET, YONKERS, NY 10703

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LEGEND, REMOVAL NOTES, AND PART FIRST FLOOR PLAN

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

Sheet Number

M201

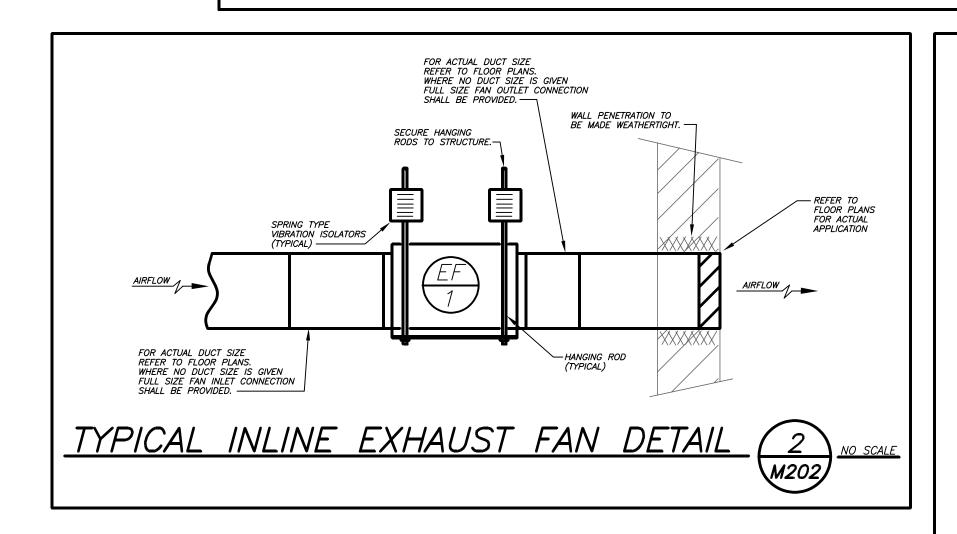
SCHEDULE OF EXHAUST FANS												
MARK	SERVICE	LOCATION	MODEL No. 🚺	TYPE	CFM	EXT. S.P. IN H ₂ O	RPM	HP (WATTS)	ELECTRIC V/PH/HZ	SIZE (IN)	WEIGHT (LBS.)	REMARKS
EF 1	KITCHEN HOOD	KITCHEN CEILING	QEID-16	IN-LINE	2200	0.70	1770	3/4	208/1/60	26Lx26Wx29H	242	REFER TO 234

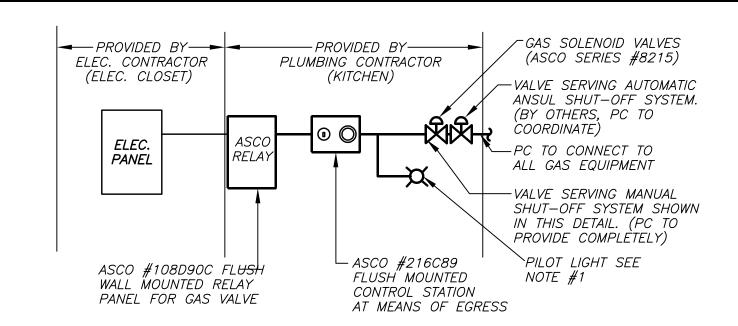
AS MANUFACTURED BY "GREENHECK".

4 INTERLOCK FAN OPERATION WITH ON/OFF SWITCH ON HOOD.

2 INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

PROVIDE VIBRATION ISOLATORS, SPEED CONTROL, DISCONNECT SWITCH, AND NAMEPLATE IDENTIFYING FAN MARK, MODEL NO., CFM, RPM, HP, AND ELECTRICAL SERVICE





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 SUPRESSION SYSTEM IS ACTIVATED.



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SCHEDULES AND DETAILS

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M202

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.

P	ABBREVIATIONS		
ABBV.	DESCRIPTION		
А	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 SWITCHEL 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"C U.O.N. HOMERUN TO DESIGNATED PANEL, NUMBERS IN PARENTHESIS INDICATE MULTIPLE CIRCUIT, I.E. 2,(4,6) 3-HOTS AND 1-GROUND U.O.N. EXISTING TO REMAIN NEW SURFACE MOUNTED NEW ELECTRICAL PANELBOARD. $\langle \mathbb{S} \rangle$ CEILING MOUNTED IONIZATION TYPE SMOKE DETECTOR WALL MOUNTED COMBINATION FIRE ALARM HORN/STROBE DEVICE. F WALL MOUNTED FIRE ALARM MANUAL PULL STATION FACP 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. SUPERSCRIPT '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. IETWORK DIGITAL DIMMABLE ROOM CONTROLLER FOR LIGHTING CONTROL. SIMILAR TO RC3 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 GV CONTROL PANEL $\langle \mathbb{C} \rangle / \langle \mathbb{C} \rangle$ 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 ABBREVATIONS AND NOTES

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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.

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GENERAL NOTES

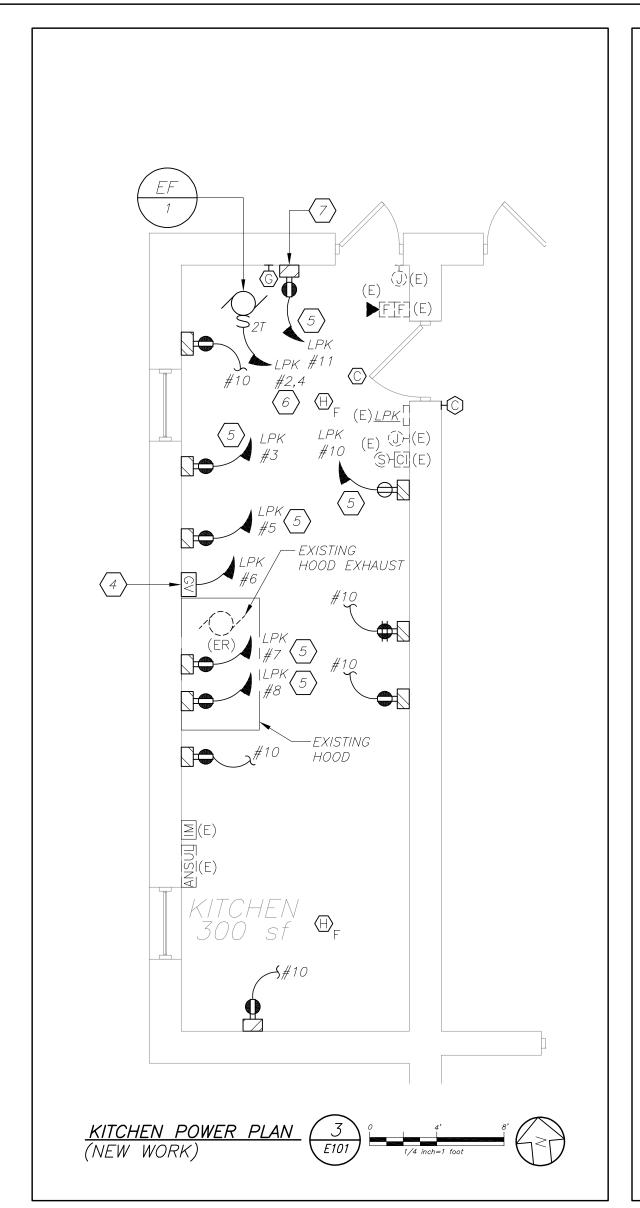
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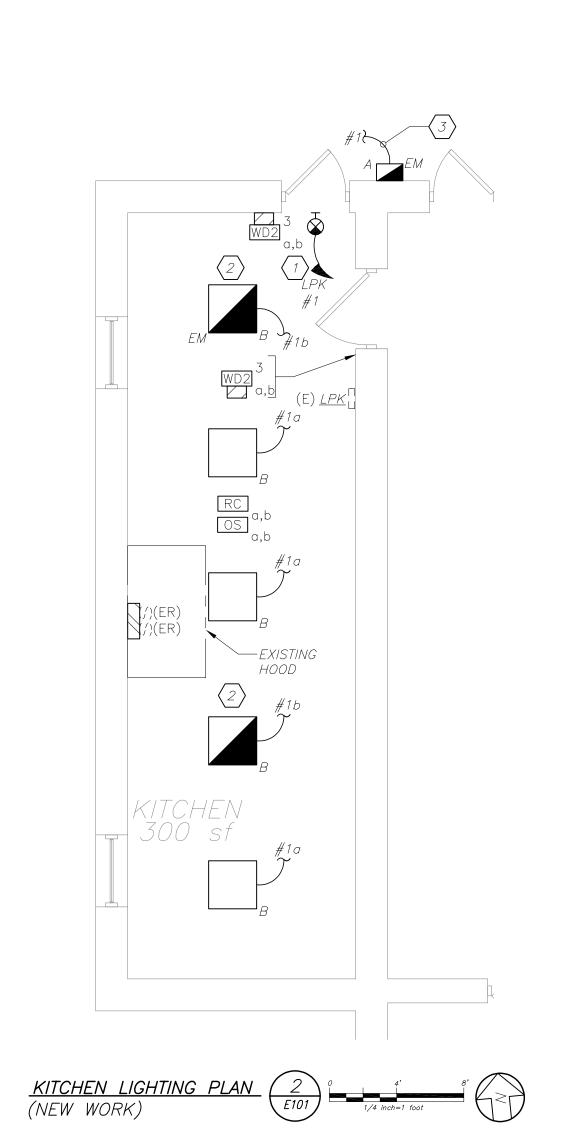
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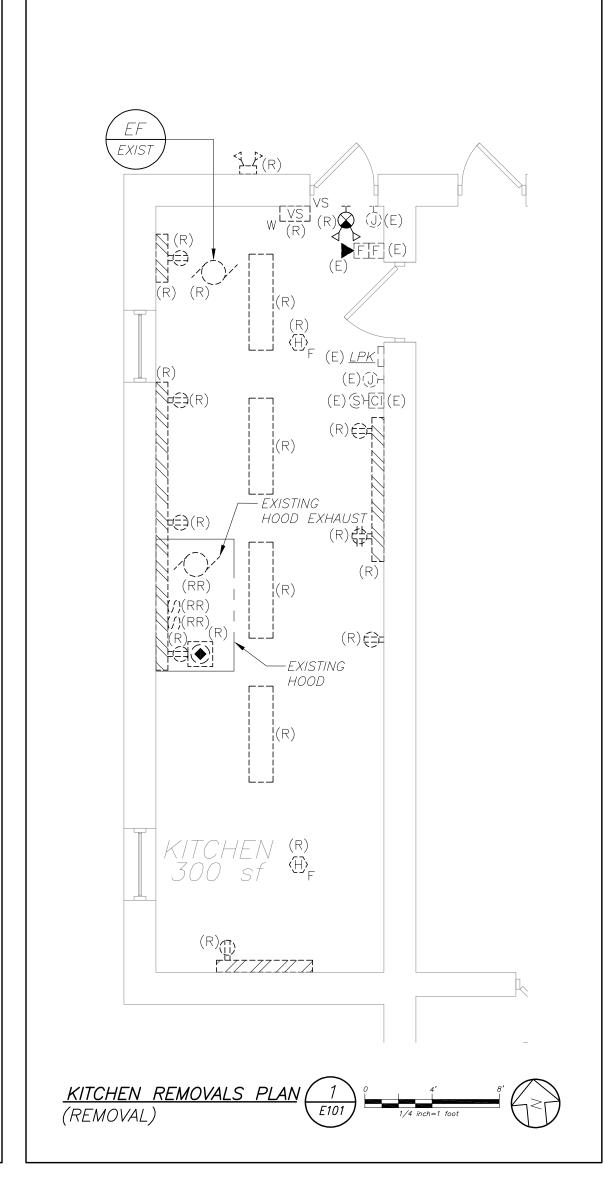
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Sheet Title







WORK NOTES:

- PROVIDE 2#12+1#12G IN 3/4" CONDUIT TO CIRCUIT MADE SPARE BY DEMO WORK. CIRCUIT NUMBER IS SHOWN FOR CONTRACTOR GUIDANCE ONLY.
- $\langle 2
 angle$ emergency driver in fixture shall be wired ahead of local switch control.
- 3) FIXTURE TYPE SHALL BE CONTROLLED VIA BUILT—IN PHOTOCELL. IT SHALL NOT BE CONTROLLED VIA KITCHEN LIGHT SWITCH.
- $\overline{4}
 angle$ 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.
- 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.
- $\overline{7}$ coordinate mounting height of receptacle with gas detector height before the start of anywork.

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KITCHEN ELECTRICAL PLAN

	Date 11/10/2023
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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):

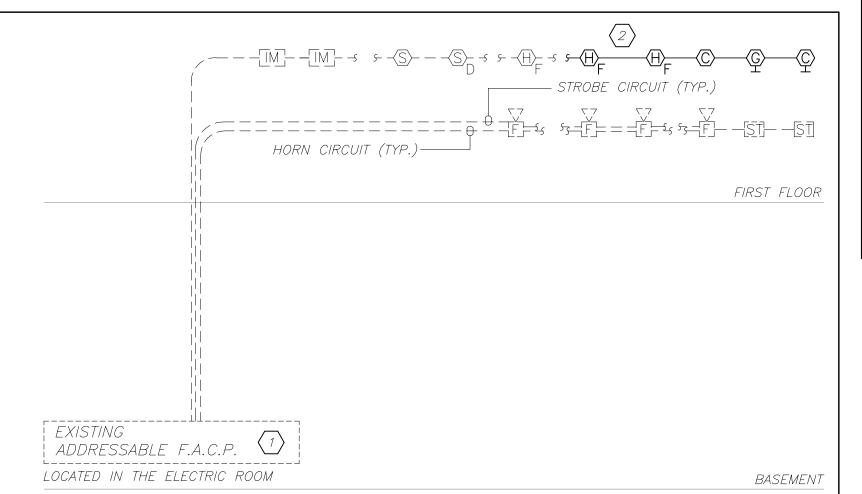
SIGNAL WIRING - #14 AWG TWISTED/SHIELDED

THE WIRING SHALL HAVE THE FOLLOWING CHARACTERISTICS:

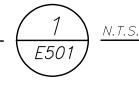
- A. A MINIMUM TEMPERATURE RATING OF 150 C
- B. A MINIMUM AVERAGE INSULATION THICKNESS OF 15 MILS
 C. A MINIMUM AVERAGE JACKET THICKNESS OF 25 MILS
- D. THE COLOR OF THE CABLE SHALL BE RED
- E. THE CABLE SHALL BE A TYPE FPLP (PLENUM TYPE) WHEN CONDUIT IS USED. SEE NOTE 5 FOR ADDITIONAL CLARIFICATION.
- 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 (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.
- igg(2igg) provide address with a permanent type label for all initiating devices.

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

EMERGENCY KITCHEN RECONSTRUCTION AT SCHOOL 9

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FIRE ALARM RISER & LIGHTING SCHEDULE

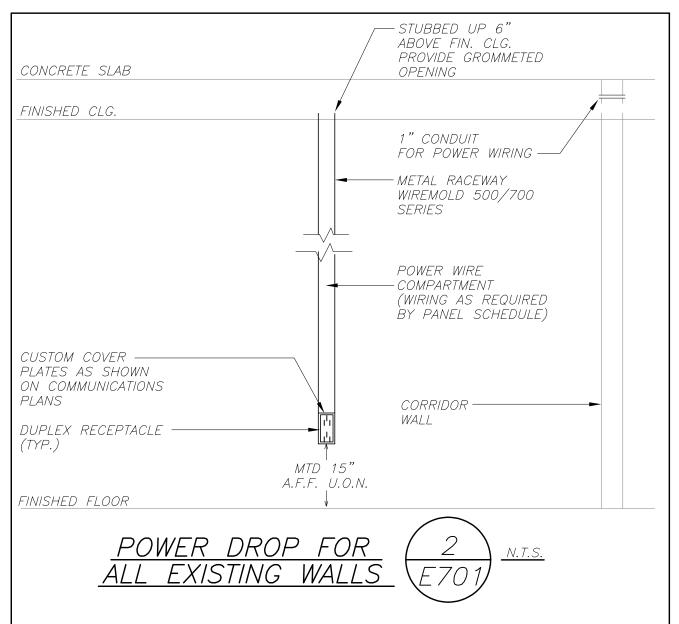
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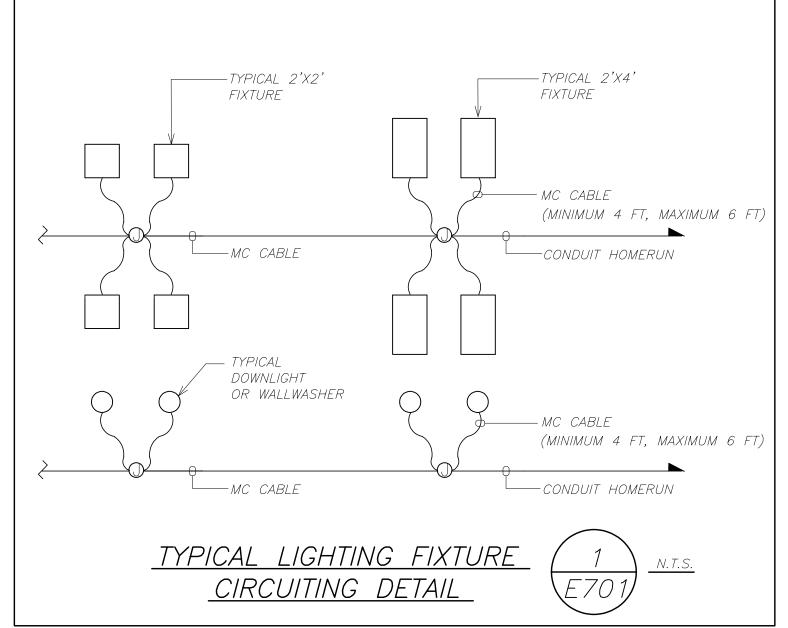
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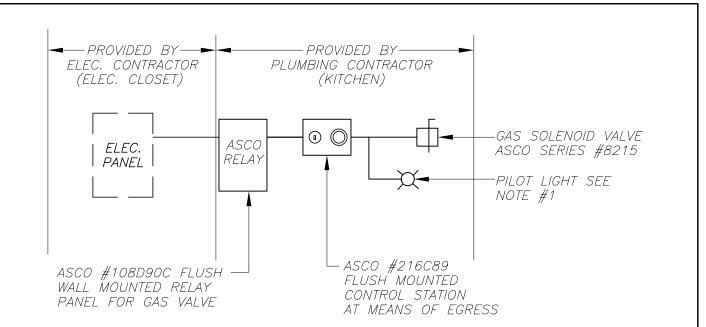
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ELECTRICAL PANEL SCHEDULE (EXISTING) PANEL: LP-K (E) MOUNTING: SURFACE MAIN LUGS ONLY MAIN C BKR-GROUND BUS: 208Y/120, 3 PHASE, 4 WIRE (NEMA 1) FLUSH **DOUBLE LUGS** ISOLATED GROUND BUS: 100A/3P MAIN BUS -10 ,000MIN A.I.C. SYM IN MCC FEED THRU LUG NUMBER OF POLES: | 30 NEUTRAL: 100% SHUNT TRIP MAIN 100 A CND. KVA/PHASE KVA/PHASE CND. WIRE TRIP CKT CKT TRIP LOAD WIRE LOAD No. (AMP) (IN.) A (AMP) No. в С A | B | C | (IN.) 1 20 NEW LIGHT 2#12+1#12G 3/4 0.50 **SPARE** 20 2 20 3 20 FOOD WARMER 2#12+1#12G 3/4 1.00 SPARE 4 20 FREEZER 3/4 0.50 3/4 2#12+1#12G GAS VALVE 20 2#12+1#12G 1.00 6 20 8 7 20 FRIDGE 2#12+1#12G 3/4 1.00 SPARE 20 20 STOVE 10 2#12+1#12G 3/4 1.00 0.90 3/4 2#12+1#12G RECEPT 3/4 20 | 12 11 20 GAS DETECTOR 2#12+1#12G 0.20 SPARE 13 | 20 | EXISTING 20 EXISTING 14 20 | 16 15 | 20 | SPARE **EXISTING** 20 20 EXISTING EXISTING 20 | 20 19 20 EXISTING **EXISTING** 21 20 EXISTNG 20 22 23 20 EXISTING **EXISTING** 20 24 25 2 20 26 0.82 **EXISTING** EXHAUST FAN 1 2#12+1#12G 3/4 27 20 28 0.82 **EXISTING** 20 30 29 | 20 | SPARE SPARE SUBTOTALS 2.32 2.82 1.20 0.00 | 0.90 | 0.50 SUBTOTALS TOTAL LOADS 2.3 KVA PHASEA LIGHTING: 0.50 KVA RECEPTACLE: 3.7 KVA PHASE B 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:

- 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 STILL REQUIRED WHEN HOOD FIRE SUPRESSION SYSTEM IS ACTIVATED.

KITCHEN GAS VALVE WIRING (



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ELECTRICAL DETAILS AND SCHEDULE

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