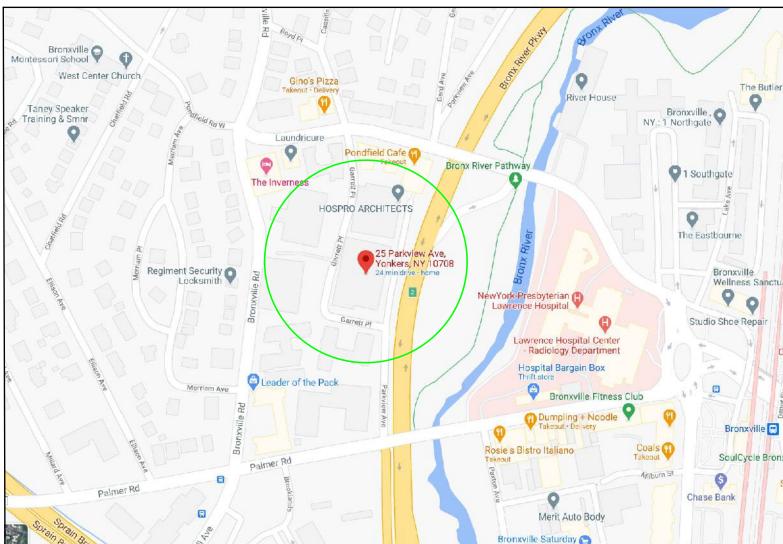


TAX MAP WESTCHESTER COUNTY GIS



LOCATION **GOOGLE MAPS**





ECCCNYS 2020 COMPLIANCE:

- OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE OR RESIDENTIAL CODE OF NEW YORK STATE. THE ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE OR RESIDENTIAL CODE OF NEW YORK STATE AS THEY RELATE TO NEW CONSTRUCTION ONLY.
- 2. ALL EXPOSED CAVITIES ARE TO BE FILLED WITH INSULATION (PER (NY) R503.1.1, EXCEPTION 1.3.)
- 3. KITCHEN HOOD IS COMPLIANT WITH CHAPTER C4 OF ECCNYS 2020. HOOD IS SELF-VENTING; PER COOPERATIVE APARTMENT RULES, NO PENETRATIONS ARE ALLOWED IN THE EXTERIOR WALLS. SEE MANUFACTURE'S SPECIFICATIONS
- 4. TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

E 2020 SECTION 305.7(1), AT 1.1 S 20% C TH PROJECT BUDGET WILL GO TOWARD THE FOLLOWING ANL AP ACCESSIBILITY IMPROVEMENTS:

E EXISTING LAYOUT HAS A NAR" (LISS TH, N 2'- 'V. DE) ACCESS TO THE HILLNIAN TO FRY'TS BOTH THE KITCHEN AND BEDROOM. THIS EXISTING C (ENING 1.30 'AS .. 2" (+/-) STEP. THE NEW .AY UT R. MO ES ... XTITIONS, LEAVES A FLUSH (FLOOR) TRANSITION TO THE ITC ,EI WIDE, SITHE HALLWAY OPENIT, 1 13'-4", ND ROVIDES A 3'-0" DOOR AND FLUSH TRANSITION TO

\$81,000

22.8%

F .M. VE TILED FINISH TO ELIMINATE STEP AT KITCHEN AND AT BEDROOM; FLUSH TRANSITION(S) WIDEN OPENING TO HALLWAY AND INSTALL WIDER DOOR AT BEDROOM: TOTAL COST OF HANDICAP ACCESSIBILITY IMPROVEMENTS: IN \$: 18,500

DRAWING INDEX

DRAWING NAME: **COVER SHEET** C.01 S.01 DEMOLITION CONSTRUCTION S.01 S.02 ELECTRICAL FINISHES/KITCHEN S.02

FIRE AND SMOKE S.03

HADDON HALL JOB RULES

1. WORKERS CAN ONLY BE IN THE BUILDING BETWEEN THE HOURS OF 8:00 A.M. AND 5:00 P.M., MONDAYS THROUGH FRIDAYS. WORK SHALL NOT BE PERFORMED ON SATURDAYS, SUNDAYS, OR HOLIDAYS (EXCEPT FOR QUIET WORK WHICH IS SELF-CONTAINED WITHIN THE APARTMENT). NO WORK WHICH CAN CREATE LOUD NOISE OR OTHERWISE DISTURB NEIGHBORS, SHALL BE PERFORMED BEFORE 10:00 A.M.

2. WORKERS MUST CHECK IN AND OUT WITH THE SUPERINTENDENT ON A DAILY BASIS. THEY MUST COME IN AND LEAVE THROUGH THE BASEMENT. THEY ARE NOT TO USE THE LOBBY.

3. WORKERS MUST CLEAN UP ON A DAILY BASIS ALL DUST AND DEBRIS THE JOB CREATES ANYWHERE IN THE BUILDING (OUTSIDE THE APARTMENT) EG. ELEVATORS AND HALLS AND MUST REMOVE ALL DEBRIS FROM THE BUILDING ON A DAILY BASIS.

4. WORKERS MUST NOT STORE THEIR TOOLS, EQUIPMENT, OR SUPPLIES IN THE BASEMENT.

5. WORKERS MUST PROTECT THE ELEVATOR FROM SCRATCHING OR OTHER MARRING BY USING EITHER PADS OR CONSTRUCTION PAPER. HALLWAY FLOORS AND WALLS MUST BE SIMILARLY PROTECTED.

ENERGY EFFICIENCY

1. PER EBCNYS 810.1 MINIMUM REQUIREMENTS, LEVEL 2 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS

Vincent Coakley, P.E.

THE TOTAL STILLA FEL COLL INCLUDES COSTS OF HANDICAP ACCESSIBILITY IMPROVEMENTS AS FOLLOWS:

.1 'R 'A TO CREATE A MORE ACCESSIBLE PATH TO THE KITCHEN AND BEDROOM 8,800 7,200 <u>2,500</u>

AS PERCENTAGE OF PROJECT BUDGET:

NOTE: THIS DRAWING IS VALID FOR CONSTRUCTION IF (AND ONLY IF) A PERMIT IS ISSUED, BASED ON THIS DRAWING, BY THE CITY OF WHITE PLAINS

AS NOTED 04.19.2021

DATE:

PROPERTY ADDRESS:

S-B-L:

CLIENT:

BRONXVILLE, NY 10708

(CITY OF YONKERS D.O.B)

ISSUE:

PER BLD. DEPT.

PER BLD. DEPT.

04.19.2021 FOR REVIEW

08.03.2021 REVISED

09.25.2021 REVISED

PROJECT NAME:

DRAWING NAME:

COVER SHEET

DRAWING NUMBER:

KITCHEN ADDITION

STREET VIEW GOOGLE MAPS

THE PROPOSED PROJECT IS A FLOOR PLAN ALTERATION AS FOLLOWS:

THE NATIONAL ELECTRIC CODE 2017 OF NEW YORK STATE (NFPA 2017 WITH AMENDMENTS)

THE 2020 EXISTING BUILDING CODE OF NEW YORK STATE (2015 IEBC WITH AMENDMENTS)

THE FOLLOWING CODES APPLY TO THIS PROJECT:

CONSTRUCTION TYPE:

ALTERATION LEVEL:

LIGHT AND VENTILATION:

OCCUPANCY CLASSIFICATION:

REMOVE EXISTING KITCHEN COUNTERTOPS, CABINETS, FIXTURES, APPLIANCES AND FINISHES; REMOVE EXISTING NON-LOAD BEARING WALLS; BUILD NEW WALLS TO PROVIDE ALTERED FLOOR PLAN AND RELOCATED BEDROOM AND KITCHEN; INSTALL NEW KITCHEN CABINETS, COUNTERTOPS, FIXTURES AND APPLIANCES; INSTALL NEW FINISHES.

RESIDENTIAL, R-2; PERMANENT MULTIPLE DWELLING STRUCTURE, AS DEFINED IN 310.3

AND 8 (LEVEL 2) OF THE 2020 EXISTING BUILDING CODE OF NEW YORK STATE.

THE AUTHORITY HAVING JURISDICTION, AS DEFINED IN [NY] 103.1 OF THE BUILDING CODE, AND WHICH SHALL PROVIDE FOR ADMINISTRATION AND ENFORCEMENT OF THE UNIFORM

• VERIFY ALL SITE DIMENSIONS AND CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNER AND ARCHITECT IN WRITING BEFORE PROCEEDING WITH ANY WORK.

CARRY LIABILITY INSURANCE TO THE LIMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND ISSUE CERTIFICATE(S) OF INSURANCE AS REQUIRED BY THE

CLEBER GENEROSO

ANTHONY MALFI

NANCY RIVERA

• CARRY WORKMAN'S COMPENSATION AND DISABILITY INSURANCE AS REQUIRED THE LAW AND ISSUE CERTIFICATE(S) AS REQUIRED BY THE HOMEOWNER AND/OR THE

2. TO THE BEST OF MY KNOWLEDGE AND PROFESSIONAL JUDGEMENT, THESE PLANS ARE IN CONFORMANCE WITH THE 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE

3. I HAVE EXAMINED THE STRUCTURAL ELEMENTS OF THIS APARTMENT THAT WILL BE AFFECTED BY THIS ALTERATION; THOSE ELEMENTS TO BE REMOVED ARE NON-LOAD

(914) 377-6500

(914) 589-1370

(914) 282-1063

(914) 337-1312, EXT. 315

THIS IS AN ALTERATION-LEVEL 2 AND WILL COMPLY WITH THE PROVISIONS OF CHAPTERS 7 (LEVEL 1)

THE CODE OF THE CITY OF YONKERS, PART VI; FIRE AND BUILDINGS; CHAPTER 56 BUILDING AND ELECTRICAL CODE.

UNLESS OTHERWISE STATED, CODE REFERENCES HEREIN ARE TO THE 2020 BUILDING CODE OF THE STATE OF NEW YORK.

TYPE IIIA, AS DEFINED IN TABLE 601

BEDROOM AREA: 7X12.5 = 87.5 S.F. WINDOW LIGHT AREA: 2X2.5X2.3 = 11.5 S.F. OPENABLE AREA: 2.7X2.5 = 6.75 S.F.

THESE PLANS HAVE BEEN PREPARED IN CONFORMANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE.

BEARING; THE PROPOSED PARTITION REMOVALS WILL NOT AFFECT THE BUILDING STRUCTURE.

REQUIRED, PER 1202.5.1, MINIMUM OPENABLE AREA TO THE OUTDOORS = 4% OF THE FLOOR AREA = 3.5 S.F. (6.75 S.F. SUPPLIED)

REQUIRED, PER 1204.2, MINIMUM GLAZED AREA = 8% OF THE FLOOR AREA = 7.0 S.F. (11.5 S.F. SUPPLIED)

 OBTAIN AND PAY FOR ALL REQUIRED PERMITS - UNLESS OTHERWISE STIPULATED. BE A LICENSED HOME IMPROVEMENT CONTRACTOR IN WESTCHESTER COUNTY.

BE CERTIFIED AS A LEAD SAFE FIRM BY THE EPA PER 40 CFR 745.226.

PERMITS, PERMISSIONS AND INSPECTIONS MAY BE COORDINATED WITH:

CITY OF YONKERS, DEPARTMENT OF HOUSING & BUILDINGS

HOMEOWNER AND/OR THAT AUTHORITY.

AUTHORITY HAVING JURISDICTION.

BUILDING MANAGEMENT (BARHITE & HOLZINGER)

BUILDING SUPERINTENDENT

BUILDING BOARD

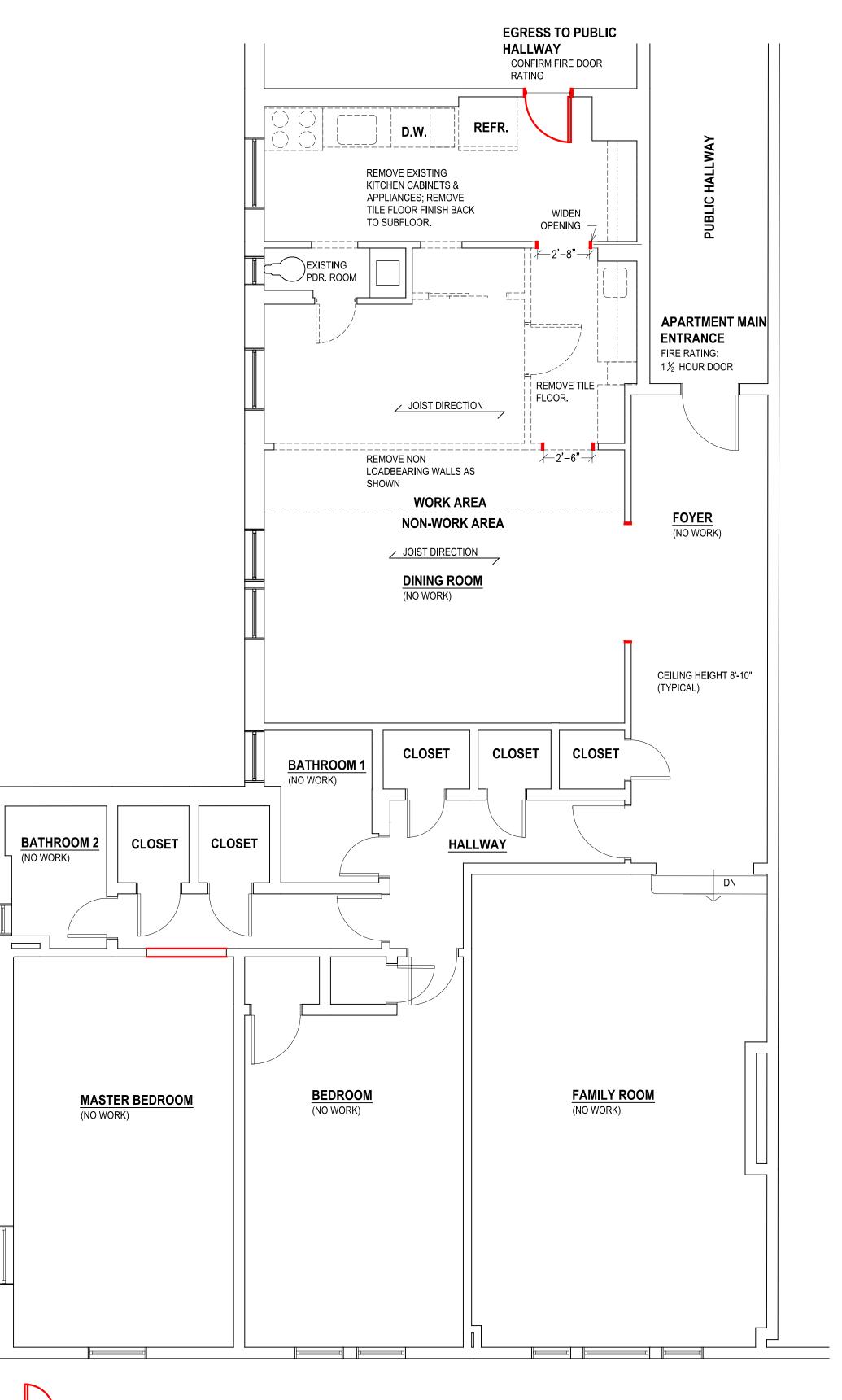
VINCENT COAKLEY, P.E.

(STAMP AFFIXED AND SIGNED)

• THE 2020 BUILDING CODE OF NEW YORK STATE (2015 IBC WITH AMENDMENTS) AND ALL OTHER CODES REFERENCED THEREIN

CODE AND ENERGY CODE BY LOCAL LAW, ORDINANCE, OTHER APPROPRIATE REGULATION, OR COMBINATION THEREOF, IS THE CITY OF YONKERS.

THIS DRAWING IS AS A SAMPLE ONLY ** PERSONAL (CLIENT) INFORMATION WITHHELD



EXISTING TO E REMOVED

EXISTING AND DEMOLITION

1/4" = 1'-0"

1. ALL DEMOLITION AND DEBRIS REMOVAL TO BE COORDINATED WITH THE BUILDING SUPERINTENDENT, BUILDING MANAGEMENT AND

- 2. ALL DEMOLITION AND DISPOSAL METHODS SHALL COMPLY WITH STATE AND LOCAL CODES AND REGULATIONS.
- 3. DEBRIS WILL BE REMOVED FROM THE PREMISES ON A DAILY BASIS. NO MATERIALS OR DEBRIS OF ANY KIND MAY ME LEFT EVEN
- TEMPORARILY ON THE SIDEWALK OR IN THE LOBBY OR COMMON AREAS OF THE BUILDING. 4. APPROPRIATE PROTECTION MUST BE PROVIDED IN ALL AREAS THAT WILL BE ACCESSED BY THE CONSTRUCTION CREW.

FIRE RATING FEATURES

FIRE RATING TO BE INSTALLED WHERE NEW WORK JOINTS EXIST

2. THE HORIZONTAL AND VERTICAL FIRE SEPARATION(S) THAT EXISTS BETWEEN THIS APARTMENT AND

ADJACENT APARTMENTS AND COMMON AREAS IS TO BE MAINTAINED. 3. INTUMESCENT FIRE BARRIER SEALANT TO BE INSTALLED IN PIPE OPENINGS AND JOINTS

4. UL DESIGN DESIGNATION FOR ALL NEW FIRE RATED WALLS IS (UL U419) 4.1. 5/8" GYPSUM BOARD, 3-5/8" STEEL STUDS, 20 GAUGE STEEL, 24" O.C., 3-5/2" THICK GLASS FIBER BATT INSULATION

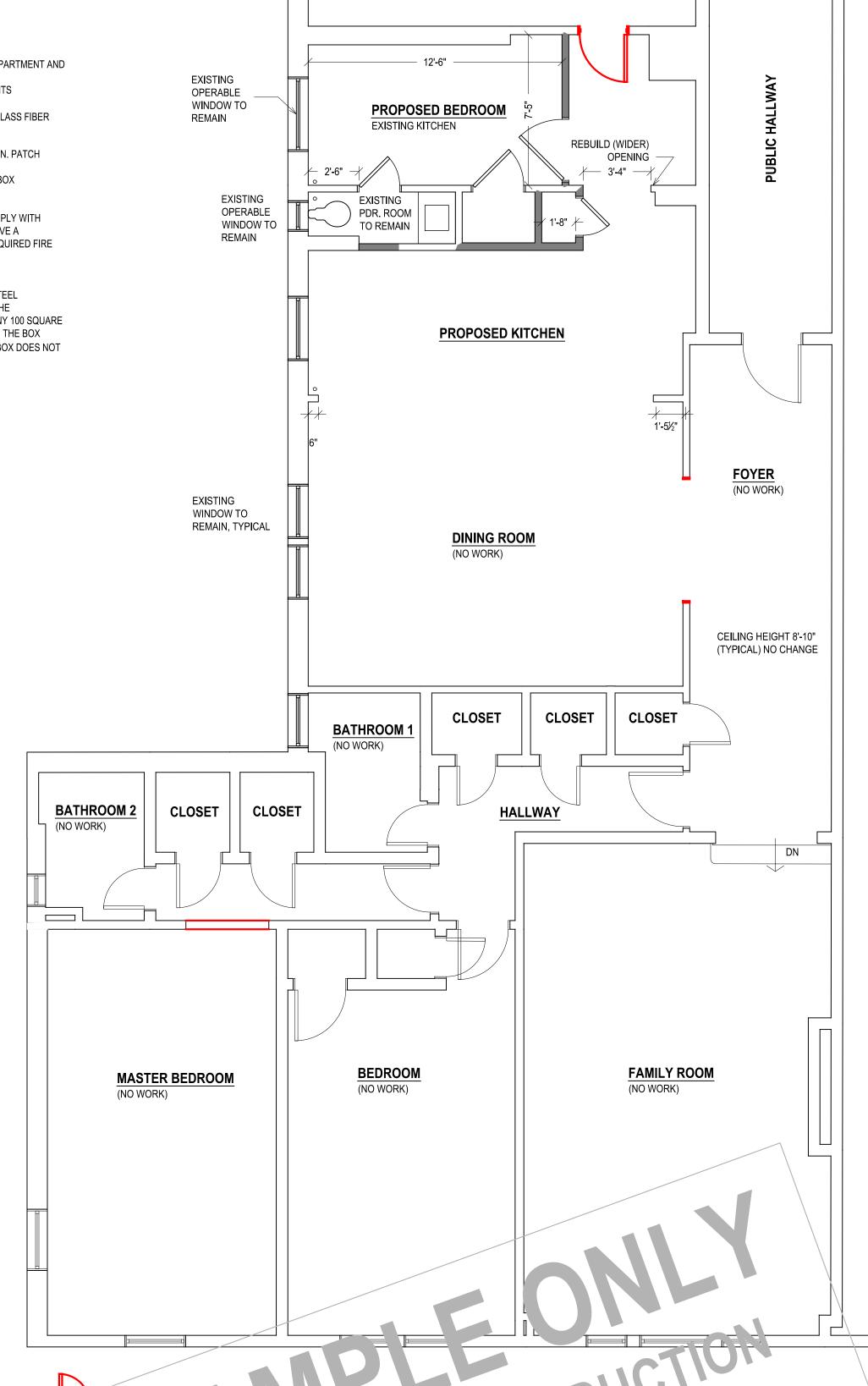
5. DESIGN OPTION FOR FIRE RATED RECESSED LIGHTING 5.1. ELCO 2-HOUR FIRE RATING HOUSING. THIS HOUSING IS FOR NEW CONSTRUCTION. PATCH CEILING TO MATCH EXISTING (OR GREATER FIRE RATING.

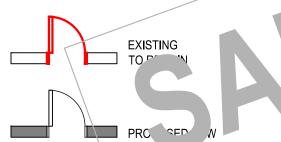
5.2. LOW-PROFILE SURFACE -MOUNTED LUMINAIRE. INSTALL IN STANDARD CEILING BOX

CEILING (ELECTRICAL) PENETRATIONS:

PENETRATIONS OF MEMBRANES THAT ARE PART OF A HORIZONTAL ASSEMBLY SHALL COMPLY WITH SECTION 714.5.1.1 OR 714.5.1.2. WHERE FLOOR/CEILING ASSEMBLIES ARE REQUIRED TO HAVE A FIRE-RESISTANCE RATING, RECESSED FIXTURES SHALL BE INSTALLED SUCH THAT THE REQUIRED FIRE RESISTANCE WILL NOT BE REDUCED.

CEILING MEMBRANE PENETRATIONS OF MAXIMUM 2-HOUR HORIZONTAL ASSEMBLIES BY STEEL ELECTRICAL BOXES THAT DO NOT EXCEED 16 SQUARE INCHES IN AREA, PROVIDED THAT THE AGGREGATE AREA OF SUCH PENETRATIONS DOES NOT EXCEED 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF CEILING AREA, AND THE ANNULAR SPACE BETWEEN THE CEILING MEMBRANE AND THE BOX DOES NOT EXCEED 1/8 INCH.ANNULAR SPACE BETWEEN THE CEILING MEMBRANE AND THE BOX DOES NOT EXCEED 1/8 INCH.





- 1. ALL EXISTING WINDOWS ARE TO BEN A ALL NEW WALLS TO BE , 3-% " 20 0. ' FS " 5 STUDS, 16" O.C. ,
- ALL NEW DOORS TO MATCH EXIST NG.
- ALL NEW GYPSUM BOARD TO ALIGN WITH EXISTING
 ALL PENETRATIONS AND DAMAGE TO EXIST TO BE REPAIRED SO AS TO PROVIDE AN EQUAL LEVEL OF FIRE RATING.
 NEW BASE, CASING AND TRIM TO MATCH (KIST) G
 MINIMUM THREE-COAT PLASTER/TAPE AND SPAY KLL TO NEW AND REPAIRED GYPSUM BOARD AND SURFACES.

- ALL PLUMBING WORK IS TO BE PERFORMED BY A PLUMBER LICENSED TO WORK IN THE CITY OF YONKERS. PLUMBING CONTRACTOR TO FILE FOR AND OBTAIN A PLUMBING PERMIT AND ALL NECESSARY INSPECTIONS.
- ALL ABANDONED PIPING MUST BE REMOVED TO A POINT OF CONCEALMENT AND PROPERLY CAPPED. ALL EXPOSED EXISTING AND NEW HOT AND COLD WATER AND HEATING PIPES MUST BE PROPERLY INSULATED.
- 5. ALL NEW PLUMBING FIXTURES MUST BEAR THE EPA WATERSENSE LABEL.

PROPERTY ADDRESS: **BRONXVILLE, NY 10708**

(CITY OF YONKERS D.O.B)

S-B-L:

CLIENT:

DATE: ISSUE: 04.19.2021 FOR REVIEW

08.03.2021 REVISED

09.25.2021 REVISED

PER BLD. DEPT. **NO REVISIONS** THIS SHEET

PER BLD. DEPT.

PROJECT NAME: KITCHEN ADDITION

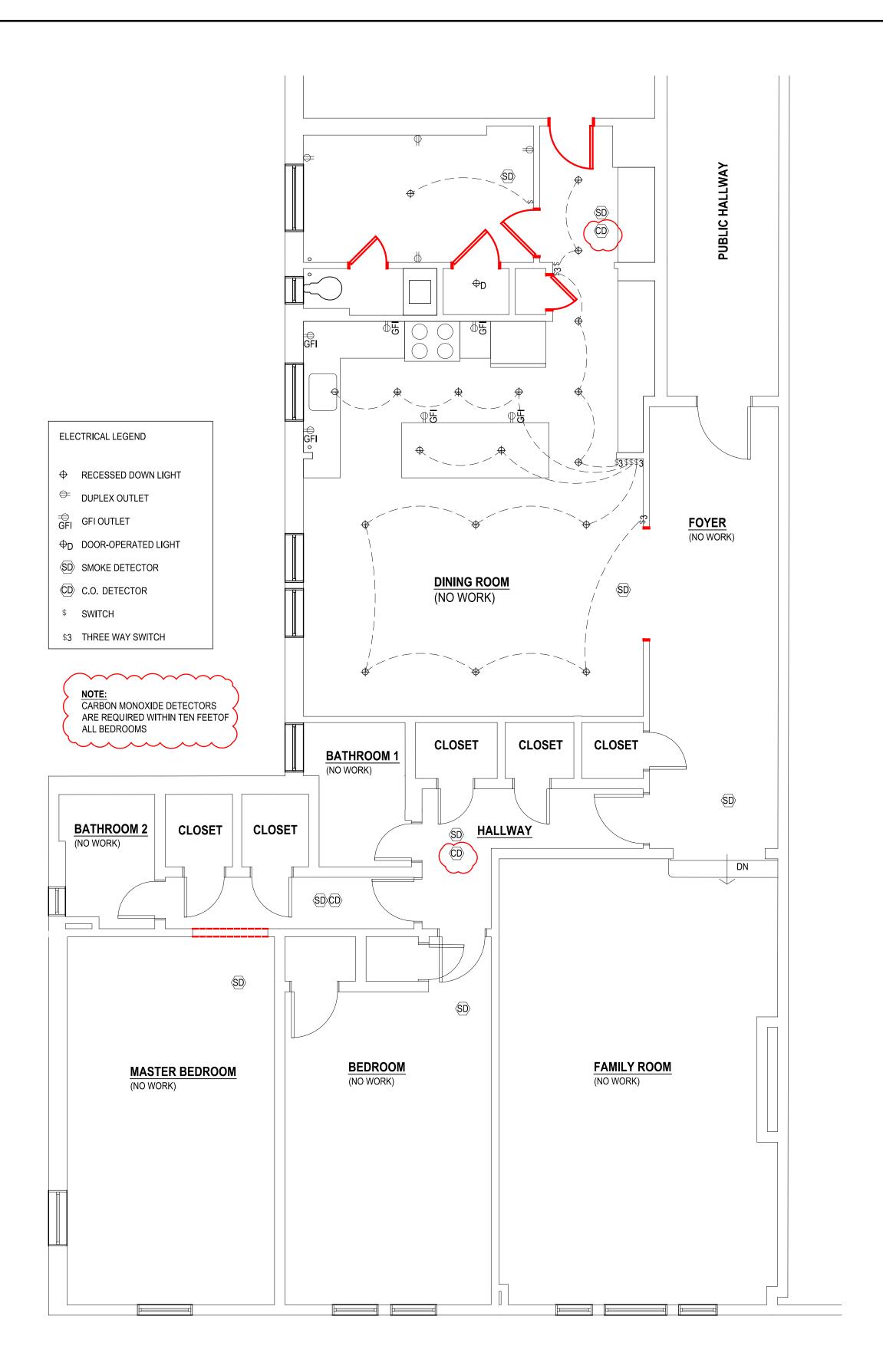
DRAWING NAME:

FLOORPLANS - DEMOLITION & CONSTRUCTION

DRAWING NUMBER: S.01

SCALE: DATE: AS NOTED 04.19.2021

NOTE: THIS DRAWING IS VALID FOR CONSTRUCTION IF (AND ONLY IF) A PERMIT IS ISSUED, BASED ON THIS DRAWING, BY THE CITY OF WHITE PLAINS



ELECTRICAL & REFLECTED CEILING PLAN 1/4" = 1'-0"

ELECTRICAL:

1. ALL ELECTRICAL WORK IS TO BE PERFORMED BY AN ELECTRICAL CONTRACTOR LICENSED TO WORK IN THE CITY OF

- ELECTRICAL CONTRACTOR TO OBTAIN AN ELECTRICAL PERMIT AND ALL REQUIRED INSPECTIONS.
- 3. ALL ELECTRICAL WORK, WIRING AND EQUIPMENT SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE 2017 OF NEW
- YORK STATE (NFPA 70, 2017 WITH AMENDMENTS) AND ALL OTHER REGULATING AGENCIES. 4. THE ELECTRICAL CONTRACTOR SHALL SUPPLY ALL REQUIRED WIRING, DEVICES, CIRCUIT BREAKERS AND OTHER
- MATERIALS AS REQUIRE BY CODE. 5. UNLESS STIPULATED OTHERWISE, ALL LIGHT FIXTURES AND LAMPS TO BE SUPPLIED AND INSTALLED BY THE
- ELECTRICIAN; ALL NEW LIGHT FIXTURES TO BE LED TYPE.
- PROVIDE GFCI OUTLETS IN KITCHEN PER CODE. PROVIDE DEDICATED APPLIANCE (REFRIGERATOR AND DISHWASHER) OUTLETS PER CODE AND PER MANUFACTURER'S

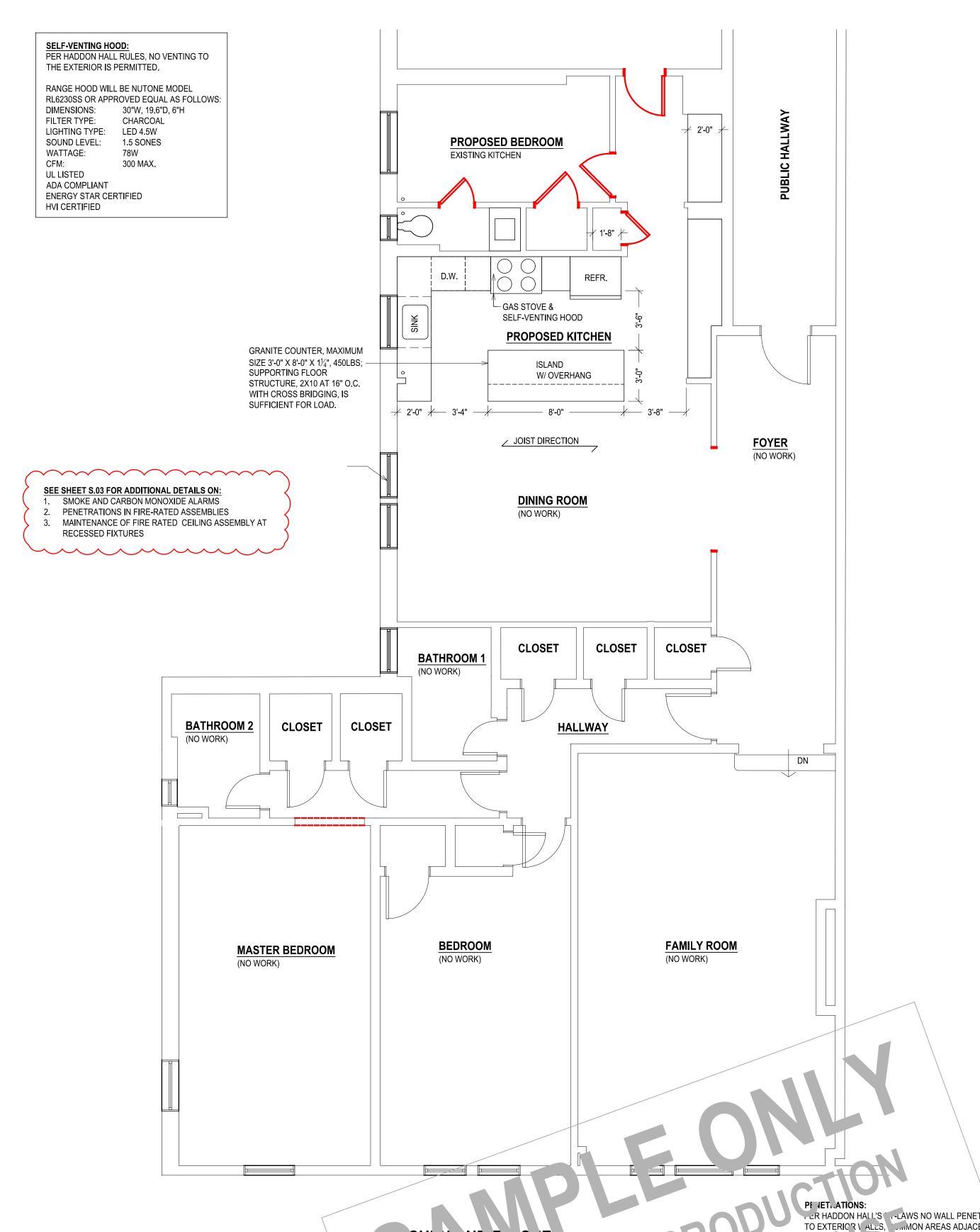
DESIGNER'S REQUIREMENTS.

PROVIDE ARC FAULT PROTECTED OUTLETS IN BEDROOM PER CODE.PROVIDE UNDER-CABINET LIGHTING PER OWNER AND

THE BUILDING DOES NOT HAVE A SPRINKLER SYSTEM (BUILT 1927)

- 2. MULTIPLE-STATION SMOKE DETECTING ALARM DEVICES TO BE INSTALLED TO CONFORM WITH THE BUILDING CODE AS FOLLOWS:
- 2.1. ON THE CEILING OR WALL OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF BEDROOMS
- 2.2. IN EACH ROOM USED FOR SLEEPING PURPOSES
- 2.3. AT LEAST 3 FT OUTSIDE EACH BATHROOM
- 3. ALARMS TO BE INTERCONNECTED, SUCH THAT THE ACTIVATION OF ONE ALARM ACTIVATES ALL ALARMS PER 907.2.10.5 INTERCONNECTION
- 4. CARBON MONOXIDE ALARMS AND CARBON MONOXIDE DETECTION SHALL BE INSTALLED IN NEW AND EXISTING BUILDINGS IN ACCORDANCE WITH SECTION 915 OF THE FIRE CODE OF NEW YORK STATE.
- 4.1. IN DWELLING UNITS AND SLEEPING UNITS WHERE A FUELBURNING APPLIANCE IS LOCATED IN A KITCHEN OR KITCHENETTE, A CARBON MONOXIDE DETECTOR SHALL BE INSTALLED OUTSIDE OF

THE SLEEPING AREAS AND WITHIN 10 FEET (3048 MM) OF THE ENTRANCE TO THE SLEEPING AREAS. 5. COMBINATION ALARM TO BE INSTALL IN COMPLIANT LOCATIONS



TO EXTERIORS. , -LAWS NO WALL PENETRATIONS TO BE ADDED TO EXTERIOR V ALLS, LIMMON AREAS ADJACENT TO OTHER UNITS, OUTSID. VE. TING, L. (1) P.C.R. VENTING, OR VENTS TO EXTERIOR

MANU FACTURER'S INSTRUCTIONS.

PROVIDE GFCI OUTLET: 10.8(A), 3) KI, 31. INS. MHERE THE RECEPTACLES ARE INSTALLED TO SERVE THE COUNTERTOP: TAC 18:10.8(A), 11.8 IKS — WHERE RECEPTACLES ARE INSTALLED WITHIN 1.8 M (6 FT) FROM THE TO INSIL 1 LIGL OF THE BOWL OF THE SINK

INSTALL NEW HARDWOOD FLOOR IN (PROPOSED) BEDROOM AREA FLUSH WITH EXISTING.

PENETRATIONS IN EXTERIOR WALLS: PER HADDON HALL'S CONDOMINIUM RULES, THERE MAY BE NO WALL PENETRATIONS TO EXTERIOR

WALLS OR TO COMMON AREAS AND THERE MAY BE NO EXTERIOR VENTING.

DRAWING NAME:

PROJECT NAME:

KITCHEN ADDITION

PROPERTY ADDRESS:

S-B-L:

CLIENT:

BRONXVILLE, NY 10708

(CITY OF YONKERS D.O.B)

ISSUE:

PER BLD. DEPT.

PER BLD. DEPT.

04.19.2021 FOR REVIEW

08.03.2021 REVISED

09.25.2021 REVISED

FLOORPLANS - ELECTRICAL FINISHES & KITCHEN

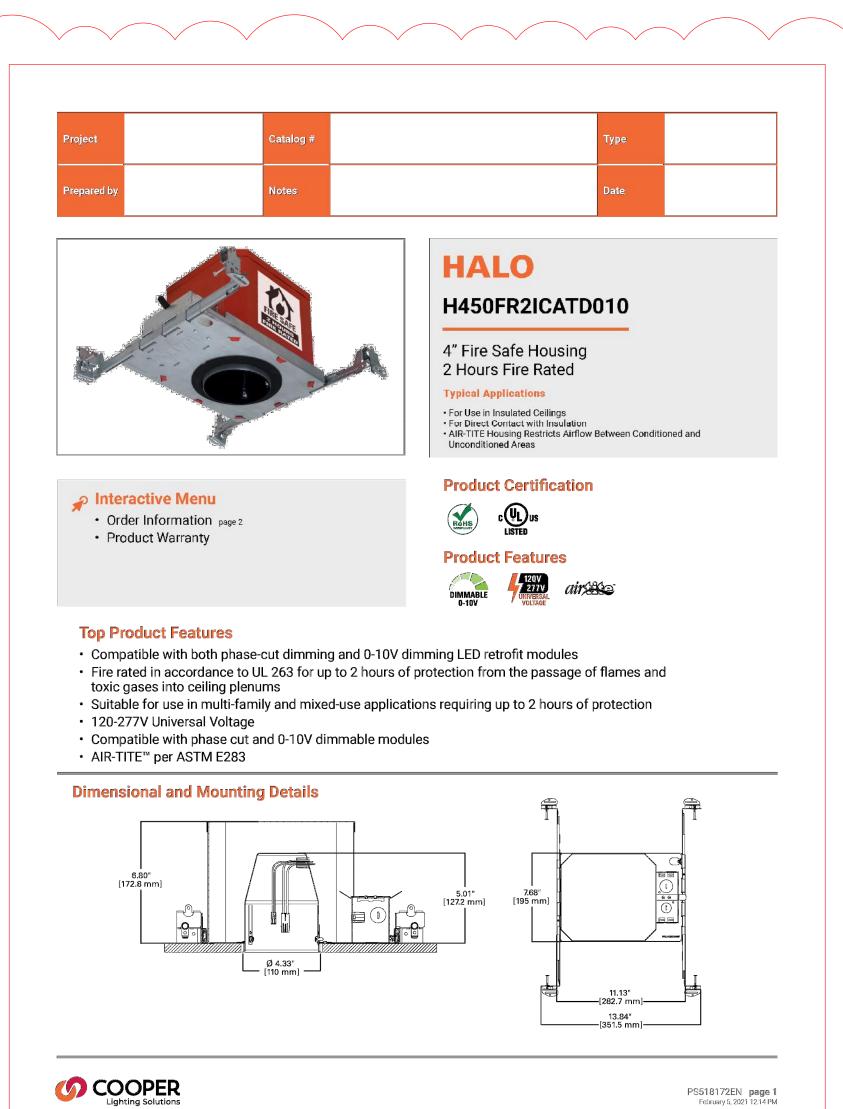
DRAWING NUMBER: S.02

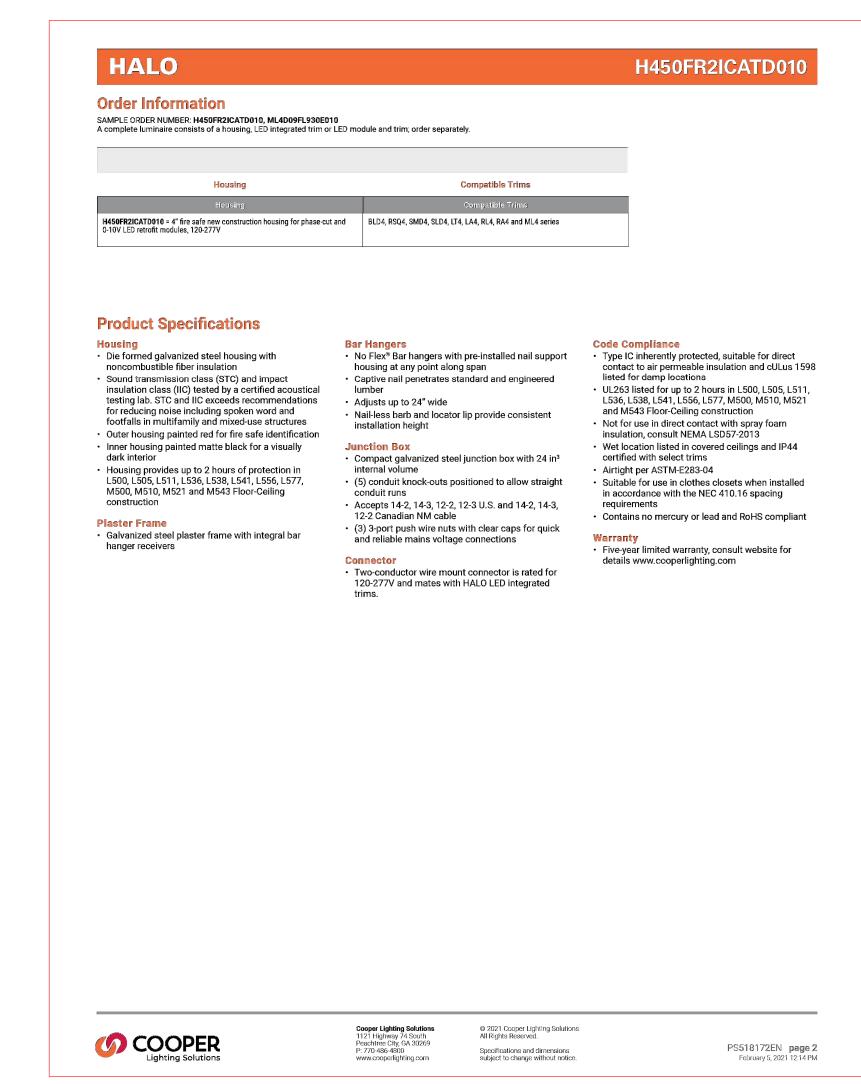
DATE: AS NOTED 04.19.2021

NOTE:

THIS DRAWING IS VALID FOR CONSTRUCTION IF (AND ONLY IF) A PERMIT IS ISSUED, BASED ON THIS DRAWING, BY THE CITY OF WHITE PLAINS

THIS DRAWING IS AS A SAMPLE ONLY *** PERSONAL (CLIENT) INFORMATION WITHHELD





PER 2020 BUILDING CODE OF NEW YORK STATE: CHAPTER 7 FIRE AND SMOKE PROTECTION FEATURES:

714.5.2 HORIZONTAL MEMBRANE (CEILING) PENETRATIONS

PATCH CEILING TO MATCH EXISTING (OR GREATER) FIRE RATING.

PENETRATIONS OF MEMBRANES THAT ARE PART OF A HORIZONTAL ASSEMBLY SHALL COMPLY WITH

SECTION 714.5.1.1 OR 714.5.1.2. WHERE FLOOR/CEILING ASSEMBLIES ARE REQUIRED TO HAVE A FIRE-RESISTANCE RATING, RECESSED FIXTURES SHALL BE INSTALLED SUCH THAT THE REQUIRED FIRE RESISTANCE WILL NOT BE REDUCED.

LIGHTING ALTERNATIVE #1

HALO 2-HOUR FIRE RATED HOUSING.

THIS HOUSING IS FOR NEW CONSTRUCTION.

- MEMBRANE PENETRATIONS BY STEEL, FERROUS OR COPPER CONDUITS, PIPES, TUBES OR VENTS, OR CONCRETE OR MASONRY ITEMS WHERE THE ANNULAR SPACE IS PROTECTED EITHER IN ACCORDANCE WITH SECTION 714.5.1 OR TO PREVENT THE FREE PASSAGE OF FLAME AND THE PRODUCTS OF COMBUSTION. THE AGGREGATE AREA OF THE OPENINGS THROUGH THE MEMBRANE SHALL NOT EXCEED 100 SQUARE INCHES (64 500 MM2) IN ANY 100 SQUARE FEET (9.3 M2) OF CEILING AREA IN ASSEMBLIES TESTED WITHOUT PENETRATIONS.
- CEILING MEMBRANE PENETRATIONS OF MAXIMUM 2-HOUR HORIZONTAL ASSEMBLIES BY STEEL ELECTRICAL BOXES THAT DO NOT EXCEED 16 SQUARE INCHES (10 323 MM2) IN AREA, PROVIDED THAT THE AGGREGATE AREA OF SUCH PENETRATIONS DOES NOT EXCEED 100 SQUARE INCHES (44 500 MM2) IN ANY 100 SQUARE FEET (9.29 M2) OF CEILING AREA, AND THE ANNULAR SPACE BETWEEN THE CEILING MEMBRANE AND THE BOX DOES NOT EXCEED 1/8 INCH (3.2 MM).
- MEMBRANE PENETRATIONS BY ELECTRICAL BOXES OF ANY SIZE OR TYPE, THAT HAVE BEEN LISTED AS PART OF AN OPENING PROTECTIVE MATERIAL SYSTEM FOR USE IN HORIZONTAL ASSEMBLIES AND ARE INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS INCLUDED IN THE
- MEMBRANE PENETRATIONS BY LISTED ELECTRICAL BOXES OF ANY MATERIAL, PROVIDED THAT SUCH BOXES HAVE BEEN TESTED FOR USE IN FIRE-RESISTANCE-RATED ASSEMBLIES AND ARE INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS INCLUDED IN THE LISTING. THE ANNULAR SPACE BETWEEN THE CEILING MEMBRANE AND THE BOX SHALL NOT EXCEED 1/8 INCH (3.2 MM) UNLESS LISTED OTHERWISE.
- THE ANNULAR SPACE CREATED BY THE PENETRATION OF A FIRE SPRINKLER, PROVIDED THAT IT IS COVERED BY A METAL ESCUTCHEON PLATE.
- NONCOMBUSTIBLE ITEMS THAT ARE CAST INTO CONCRETE BUILDING ELEMENTS AND THAT DO NOT PENETRATE BOTH TOP AND BOTTOM SURFACES OF THE ELEMENT.
- THE CEILING MEMBRANE OF 1- AND 2-HOUR FIRE-RESISTANCE-RATED HORIZONTAL ASSEMBLIES IS PERMITTED TO BE INTERRUPTED WITH THE DOUBLE WOOD TOP PLATE OF A WALL ASSEMBLY THAT IS SHEATHED WITH TYPE X GYPSUM WALLBOARD, PROVIDED THAT ALL PENETRATING ITEMS THROUGH THE DOUBLE TOP PLATES ARE PROTECTED IN ACCORDANCE WITH SECTION 714.5.1.1 OR 714.5.1.2 AND THE CEILING MEMBRANE IS TIGHT TO THE TOP PLATES.
- CEILING MEMBRANE PENETRATIONS BY LISTED LUMINAIRES (LIGHT FIXTURES) OR BY LUMINAIRES PROTECTED WITH LISTED MATERIALS, WHICH HAVE BEEN TESTED FOR USE IN FIRE-RESISTANCE-RATED ASSEMBLIES AND ARE INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS INCLUDED IN THE LISTING.

714.4.2 MEMBRANE PENETRATIONS IN FIRE-RESISTANCE-RATED WALLS:

MEMBRANE PENETRATIONS SHALL COMPLY WITH SECTION 714.4.1. WHERE WALLS OR PARTITIONS ARE REQUIRED TO HAVE A FIRE-RESISTANCE RATING, RECESSED FIXTURES SHALL BE INSTALLED SUCH THAT THE REQUIRED FIRE RESISTANCE WILL NOT BE REDUCED.

EXCEPTIONS:

- MEMBRANE PENETRATIONS OF MAXIMUM 2-HOUR FIRE-RESISTANCE-RATED WALLS AND PARTITIONS BY STEEL ELECTRICAL BOXES THAT DO NOT EXCEED 16 SQUARE INCHES IN AREA, PROVIDED THAT THE AGGREGATE AREA OF THE OPENINGS THROUGH THE MEMBRANE DOES NOT EXCEED 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF
- WALL AREA. THE ANNULAR SPACE BETWEEN THE WALL MEMBRANE AND THE BOX SHALL NOT EXCEED 1/8 INCH. SUCH BOXES ON OPPOSITE SIDES OF THE WALL OR PARTITION SHALL BE SEPARATED BY ONE OF THE FOLLOWING: 1.1. BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES WHERE THE WALL OR PARTITION IS CONSTRUCTED WITH INDIVIDUAL NONCOMMUNICATING STUD CAVITIES.
- 1.2. BY A HORIZONTAL DISTANCE OF NOT LESS THAN THE DEPTH OF THE WALL CAVITY WHERE THE WALL CAVITY IS
- FILLED WITH CELLULOSE LOOSE-FILL, ROCKWOOL OR SLAG MINERAL WOOL INSULATION. BY SOLID FIREBLOCKING IN ACCORDANCE WITH SECTION 718.2.1.
- BY PROTECTING BOTH OUTLET BOXES WITH LISTED PUTTY PADS.
- 1.5. BY OTHER LISTED MATERIALS AND METHODS.
- 2. MEMBRANE PENETRATIONS BY LISTED ELECTRICAL BOXES OF ANY MATERIAL, PROVIDED THAT SUCH BOXES HAVE BEEN TESTED FOR USE IN FIRE-RESISTANCE-RATED ASSEMBLIES AND ARE INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS INCLUDED IN THE LISTING. THE ANNULAR SPACE BETWEEN THE WALL MEMBRANE AND THE BOX SHALL NOT EXCEED 1/8 INCH UNLESS LISTED OTHERWISE. SUCH BOXES ON OPPOSITE SIDES OF THE WALL OR PARTITION SHALL BE SEPARATED BY ONE OF THE FOLLOWING:
- 2.1. BY THE HORIZONTAL DISTANCE SPECIFIED IN THE LISTING OF THE ELECTRICAL BOXES.
- BY SOLID FIREBLOCKING IN ACCORDANCE WITH SECTION 718.2.1. 2.3. BY PROTECTING BOTH BOXES WITH LISTED PUTTY PADS.
- 2.4. BY OTHER LISTED MATERIALS AND METHODS.
- MEMBRANE PENETRATIONS BY ELECTRICAL BOXES OF ANY SIZE OR TYPE, THAT HAVE BEEN LISTED AS PART OF A WALL OPENING PROTECTIVE MATERIAL SYSTEM FOR USE IN FIRE-RESISTANCE-RATED ASSEMBLIES AND ARE INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS INCLUDED IN THE LISTING.
- MEMBRANE PENETRATIONS BY BOXES OTHER THAN ELECTRICAL BOXES, PROVIDED THAT SUCH PENETRATING ITEMS AND THE ANNULAR SPACE BETWEEN THE WALL MEMBRANE AND THE BOX, ARE PROTECTED BY AN APPROVED MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER, AND SHALL HAVE AN F AND T RATING OF NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL PENETRATED AND BE INSTALLED IN ACCORDANCE WITH THEIR LISTING.
- THE ANNULAR SPACE CREATED BY THE PENETRATION OF AN AUTOMATIC SPRINKLER, PROVIDED THAT IT IS COVERED BY A METAL ESCUTCHEON PLATE.
- MEMBRANE PENETRATIONS OF MAXIMUM 2-HOUR FIRE-RESISTANCE-RATED WALLS AND PARTITIONS BY STEEL ELECTRICAL BOXES THAT EXCEED 16 SQUARE INCHES IN AREA, OR STEEL ELECTRICAL BOXES OF ANY SIZE HAVING AN AGGREGATE AREA THROUGH THE MEMBRANE EXCEEDING 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF WALL AREA, PROVIDED THAT SUCH PENETRATING ITEMS ARE PROTECTED BY LISTED PUTTY PADS OR OTHER LISTED MATERIALS AND METHODS, AND INSTALLED IN ACCORDANCE WITH THE LISTING.



LIGHTING ALTERNATIVE #2

LOW-PROFILE SURFACE-MOUNTED LUMINAIRE. INSTALL IN STANDARD CEILING BOX; SEE PENETRATION REQUIREMENT.

THE AGGREGATE AREA OF SUCH PENETRATIONS SHALL NOT EXCEED 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF CEILING AREA, AND THE ANNULAR SPACE BETWEEN THE CEILING MEMBRANE AND THE BOX SHALL NOT EXCEED 1/8 INCH.

FIRE AND SMOKE PROTECTION FEATURES & LIFE SAFETY SYSTEMS:

FIRE AND SMOKE PROTECTION FEATURES:

THE PROVISIONS OF CHAPTER 7 OF THE 2020 BUILDING CODE OF NEW YORK STATE SHALL GOVERN THE MATERIALS, SYSTEMS AND ASSEMBLIES USED FOR STRUCTURAL FIRE RESISTANCE AND FIRE-RESISTANCE-RATED CONSTRUCTION SEPARATION OF ADJACENT SPACES TO SAFEGUARD AGAINST THE SPREAD OF FIRE AND SMOKE WITHIN A BUILDING AND THE SPREAD OF FIRE TO OR FROM BUILDINGS.

MAINTENANCE OF FIRE RATING OF WALLS AND CEILINGS: PENETRATIONS OF MEMBRANES THAT ARE PART OF A HORIZONTAL ASSEMBIT (CE. IG) SHALL CO. Y WITH SECTION 714.5.2 AND AS NOTED AND DETAILED HEREIN. PENETRATIONS OF MEMBRANES THAT ARE PART OF A FIRE SHALL COMPLY ITH SECTION 714.4.2 AND AS NOTED

AND DETAILED HEREIN.

AUTOMATIC-CLOSING FIPE DOOR AS SMBLIF SHALL BL

D AS NOTED ON PLANS AND AS FOLLOWS:

) IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE SICAL INTERCONNECTION OF SMOKE ALARMS SHALL NOT BE REQUIRED WHERE LISTED WIRELESS ND ALL ALARMS SOUND UPON ACTIVATION OF ONE ALARM. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL CKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED.

ON MONOXIDE (CO) ALARMS AND CARBON MONOXIDE DETECTION SHALL BE INSTALLED IN NEW AND EXISTING BUILDINGS IN CCORDANCE WITH SECTION 915 OF THE FIRE CODE OF NEW YORK STATE AS NOTED ON PLANS AND AS FOLLOWS: IN DWELLING UNITS AND SLEEPING UNITS WHERE A FUEL BURNING APPLIANCE IS LOCATED IN A KITCHEN OR KITCHENETTE, A CARBON MONOXIDE DETECTOR SHALL BE INSTALLED OUTSIDE OF THE SLEEPING AREAS AND WITHIN 10 FEET OF THE ENTRANCE TO THE SLEEPING

SMOKE AND CO ALARMS TO BE INSTALLED AND MAINTAINED THROUGHOUT UNIT PER CODE FOR FINAL INSPECTION.

Ш 0

PROPERTY ADDRESS:

BRONXVILLE. NY 10708

(CITY OF YONKERS D.O.B)

S-B-L:

CLIENT:

ISSUE: DATE: 04.19.2021 FOR REVIEW

08.03.2021 REVISED

09.25.2021 REVISED

PER BLD. DEPT

PER BLD. DEPT

PROJECT NAME: KITCHEN ADDITION

DRAWING NAME: FIRE SMOKE AND LIFE **SAFETY**

DRAWING NUMBER: S.03

SCALE: DATE: **AS NOTED 04.19.2021**

THIS DRAWING IS VALID FOR CONSTRUCTION IF (AND ONLY IF) A PERMIT IS ISSUED, BASED ON THIS DRAWING, BY THE CITY OF

WHITE PLAINS