ARTACHO / OH RESIDENCE

1220 PARK AVE, APT 4B NEW YORK, NY 10128

PROJECT INFO

PARCEL INFORMATION	
ADDRESS:	1220 PARK AVE, APT 4B
	NEW YORK, NY 10128
CROSS STREET(S):	E 95TH STREET
LANDMARK STATUS:	NONE
BLOCK NO:	1507
LOT NO:	33
LAND USE:	RESIDENTIAL, MULTI-FAMILY ELEVATOR BUILDING
OCCUPANCY GROUP:	R2
ZONING USE GROUP:	R10, R8B
ZONING MAP:	6B
NO. OF STORIES:	17
NO OF UNITS:	56

SCOPE OF WORK

INTERIOR RENOVATION OF AN APARTMENT. RENOVATION WORK WILL INCLUDE A NEW INTERIOR LAYOUT, FINISHES, RELOCATED PLUMBING FIXTURES, NEW ELECTRICAL AND A/C. NO CHANGE TO USE, EGRESS OR OCCUPANCY.

ABBREVIATIONS

NO. OF RESIDENTIAL UNITS:

A/C	AIR CONDITIONING	INT	INTERIOR
	ACOUSTICAL	INV	INVERT
	AMERICANS WITH DISABILITIES ACT	JAN	JANITOR
	ADDITIONAL	JT	JOINT(D)
	ADJACENT	LAM	LAMINATE
	APPROVED EQUAL	LIN	LINEAR
	ABOVE FINISH FLOOR	LP	LOW POINT
	ALTERNATE	LT	LIGHT
ALUM	ALUMINUM	LT. WT	LIGHTWEIGHT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	LVL	LEVEL
APPROX	APPROXIMATE	MACH	MACHINE
	ARCHITECT	MATL	MATERIAL(S)
	THE AMERICAN SOCIETY OF HEATING	MAX	MAXIMUM
	REFRIGERATING AND AIR-CONDITIONING	MECH	MECHANIC(AL)
	ENGINEERS	MED	MEDIUM
	AMERICAN SOCIETY FOR TESTING AND	MEP	MECHANICAL, ELECTRICAL AN
	MATERIALS		PLUMBING
BD	BOARD	MFR	MANUFACTURE(R)
BLDG	BUILDING	MIN	MINIMUM/ MINUTE
	BLOCKING	MISC	MISCELLANEOUS
	BEAM	MO	MASONRY OPENING
	BY OTHERS	MTL	METAL
	BOTTOM OF CURB	MULL	
			MULLION
	BUILDING OFFICIALS AND CODE	N/A	NOT APPLICABLE
	ADMINISTRATORS INTERNATIONAL INC.	N.F.P.A.	NATIONAL FIRE PROTECTION
B.O.S.	BOTTOM OF SLAB		AGENCY
BOT	BOTTOM	N.I.C.	NOT IN CONTRACT
BTWN	BETWEEN	NO./#	NUMBER
	CABINET	NOM	NOMINAL
	CLOSED-CIRCUIT TELEVISION	NTS	NOT TO SCALE
	CEILING	O.C.	ON CENTER
	CEILING HEIGHT	O.D.	OUTSIDE DIAMETER
CLOS / CL		OH	OVERHEAD
	CLEAR(ANCE)	OPP	OPPOSITE
CLS	CLOSURE	OSHA	OCCUPATIONAL SAFETY AND
COL	COLUMN		HEALTH ADMINISTRATION
CONC	CONCRETE (CAST IN PLACE)	P.LAM	PLASTIC LAMINATE
	CONSTRUCTION JOINT	P.E.	PASSENGER ELEVATOR
CONT	CONTINUOUS OR CONTINUE	PERF	PERFORATE(D)
COORD	COORDINATE	PL	PLATE
	CORRIDOR	P.L.	PROPERTY LINE
	COVER	PLAS	PLASTER
	CARPET	PLMB	PLUMBING
CT	CERAMIC TILE	PNL	PANEL
CTR	CENTER	PSF	POUNDS PER SQUARE FOOT
D	DEEP/DEPTH	PSI	POUNDS PER SQUARE INCH
	DECIBEL(S)	PT	POINT
	DOUBLE	PNT	PAINT
	DIRECT DIGITAL CONTROL	PTD	PAINT(ED)
_			, ,
	DEGREE	PLYWD	PLYWOOD
	DEMOLITION	QT	QUARRY TILE
	DETAIL	RAD	RADIUS
DIA / DIAM	DIAMETER	RD	ROOF DRAIN
DIF	DIFFUSER	REF	REFERENCE
DIM	DIMENSION	REINF	REINFORCE(D)
	DOWN	REQ	REQUIREMENTS
	DOOR	REV	REVISION(S)
	DRAWING	RFI	REQUEST FOR INFORMATION
	DRAWER	RFP	REQUEST FOR PROPOSAL
	EACH	RM	ROOM
	ELEVATION	S.E.	SERVICE ELEVATOR
ELEC	ELECTRIC(AL)	SHR	SHOWER
	ELEVATOR	ST. STL.	STAINLESS STEEL
	EMERGENCY	SF	SQUARE FEET
	EQUAL	SIM	SIMILAR
	EQUIPMENT	SPEC	SPECIFICATION(S)
		SQ	` ,
	EXISTING EXPOSED	STC	SQUARE SOUND TRANSMISSION
		310	
	EXPANSION JOINT	OTO	COEFFICIENT
	EXISTING	STD	STANDARD
	EXTERIOR	STL	STEEL
	FRESH AIR INTAKE	STOR	STORAGE
	FLOOR DRAINS	STRUCT	STRUCTURE/STRUCTURAL
FIN	FINISH(ED)	SUSP	SUSPENDED
	FLOOR(ING)	TD	TRENCH DRAIN
	FLUORESCENT	T.O.W.	TOP OF WALL
	FACE OF	T&G	TONGUE AND GROOVE
	FOOT	TECH	TECHNICAL
	FOOTING	TEL	TELEPHONE
GA	GAUGE	TEMP	TEMPERED
GALV	GALVANIZED	TERR	TERRACE
GL	GLASS GLAZING	THK	THICK(NESS)
GSF	GROSS SQUARE FEET	TO	TOP OF
GWB	GYPSUM WALL BOARD	T.O.C.	TOP OF CURB
GYP	GYPSUM	TV	TELEVISION
	HEIGHT	TYP	TYPICAL
	HANDICAPPED	TZ	TERRAZZO
	HOLLOW METAL	UL	UNDERWRITERS LABORATORY
	HORIZONTAL	U.O.I.	UNLESS OTHERWISE INDICATI
HP	HIGH POINT	U.O.N.	UNLESS OTHERWISE NOTED
HR	HOUR	UV	ULTRAVIOLET
HVAC	HEATING/VENTILATING/AIR CONDITIONING	VERT	VERTICAL
	INCH	VEST	VESTIBULE
	INCLUDE (D) (ING)	VFY	VERIFY
	INSULATE (D) (TION)	V.I.F.	VERIFY IN FIELD
		W/ , W/O	WITH, WITHOUT

WOOD

WEIGHT

WT

GENERAL NOTES

- 1. ALL WORK TO CONFORM WITH ALTERATION AGREEMENT SET FORTH BY 1220 PARK AVENUE CORPORATION AND APPLICABLE CODES.
- ALL WORK TO BE FILED WITH THE NYC DEPARTMENT OF BUILDINGS AND PERMITS TO BE OBTAINED PRIOR TO THE START OF WORK. DURING CONSTRUCTION COPIES OF THE ORIGINAL APPROVED PLAN AND PERMIT SHALL BE KEPT AT THE SITE AT ALL TIMES AND MADE AVAILABLE TO ANY NYC DOB INSPECTOR. AT THE COMPLETION OF WORK, ALL SIGN-OFFS SHALL BE OBTAINED AND A LETTER OF COMPLETION FROM THE NYC DOB ISSUED.
- 3. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE CODES, ORDINANCES & REGULATIONS HAVING JURISDICTION, INCLUDING THE NEW YORK CITY BUILDING CODE AND LOCAL LAW 58, FIRE DEPARTMENT REGULATIONS, AND UTILITY COMPANY REQUIREMENTS. ALL WORK SHALL CONFORM TO BEST TRADE PRACTICES.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
 CONTRACTOR SHALL VERIFY ALL CONDITIONS PRIOR TO THE START OF WORK AND REPORT
- ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT.

 ALL PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY NYC LICENSED PLUMBERS AND ELECTRICIANS. EMPLOYEES OF THE ACTUAL LICENSE HOLDERS SHALL DO THE WORK.

PERSONS LICENSED IN THEIR TRADES SHALL ARRANGE FOR AND OBTAIN INSPECTIONS AND

- REQUIRED SIGN-OFFS.

 7. PROVIDE OR MAINTAIN FIRE RATED CONSTRUCTION AS REQUIRED AT SHAFTS, STRUCTURAL MEMBERS, ETC.
- 8. EXTREME CARE SHALL BE TAKEN WHEN WORK IS ADJACENT TO ANY PARTY WALLS, SHAFT WALLS OR WALLS THAT SERVE AS FIREPROOFING OF BUILDING STEEL. THESE WALLS SHOULD NOT BE REMOVED OR PENETRATED.
- 9. CARE SHOULD BE TAKEN IN REMOVAL OF ANY CONDUIT WHICH IS IN THE FLOOR AND CEILING
- SLAB IN PARTITIONS THAT NEED TO BE REMOVED.

 10. ANY HAZARDOUS MATERIALS INCLUDING LEAD AND ASBESTOS SHALL BE PROPERLY TREATED AND/OR ABATED AS PER LOCAL REGULATIONS AND BUILDING REGULATIONS. NEW REGULATIONS FOR LEAD ABATEMENT SHALL BE FOLLOWED. THE CONTRACTOR WILL NEED TO SUBMIT CERTIFICATES SHOWING AUTHORIZATION TO REMOVE LEAD AND/OR ASBESTOS. REMOVAL MUST BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE FEDERAL TASK FORCE. DUST AND DEBRIS CONTAINING LEAD MUST BE REMOVED BY
- SPECIALIZED CLEANING OF THE WORK AREA.

 1. CONTRACTOR IS TO MAINTAIN A PROJECT SCHEDULE THROUGH OUT THE PROJECT. PROJECT SCHEDULE SHALL BE PROVIDED TO THE OWNER AND ARCHITECT WITHIN 7 CALENDAR DAYS OF
- 12. REFER TO DEMOLITION NOTES ON DM-100 FOR ADDITIONAL REQUIREMENTS.
- 13. NO DECREASE IN SOUND TRANSFER BETWEEN FLOORS. IF SUB-FLOORING IS DISTURBED IT SHOULD BE REPLACED IN KIND.
 14. THE WORK SHALL NOT INTERFERE WITH THE BUILDING'S INTERCOM, GAS, ELECTRIC, HEATING,
- 14. THE WORK SHALL NOT INTERFERE WITH THE BUILDING'S INTERCOM, GAS, ELECTRIC, HEATING, A/C OR PLUMBING SYSTEM OR ANY OTHER BUILDING SYSTEM OR SERVICE. BUILDING RISERS, INCLUDING PLUMBING AND ELECTRICAL MAY NOT BE RELOCATED. NO PENETRATIONS ALLOWED IN THE EXTERIOR WALL.
- 15. FUNCTIONING FIRE EXTINGUISHERS AND SMOKE DETECTORS SHALL BE MAINTAINED
- THROUGHOUT THE DURATION OF THE WORK. NO FIRE EXITS MAY BE BLOCKED BY THE WORK.

 6. IF A CHILD 10 YEARS OLD OR UNDER LIVES OR WILL LIVE IN THE APARTMENT WINDOW GUARDS SHALL BE INSTALLED PURSUANT TO SECTION 131.1 OF THE NYC HEALTH CODE.
- 17. NO CHANGE PERMITTED TO THE OPERATION OF THE BUILDING'S SYSTEMS TO FACILITATE THE FUNCTIONING OF ANY HEATING, A/C, PLUMBING OR ELECTRICAL APPLIANCES.
 18. THE USE OF ELECTRIC HAMMERS, ELECTRIC SAWS OR OTHER ELECTRICAL POWER TOOLS
- WHICH CAUSE UNDUE DISTURBANCE TO OTHER SHAREHOLDERS OR RESIDENTS OF THE BUILDING ARE NOT PERMITTED AT ANY TIME UNLESS SPECIFICALLY APPROVED BY THE CORPORATION IN WRITING. NO JACK HAMMERS OF ANY KIND MAY BE USED.
- THE ALTERATIONS SHALL NOT ADVERSELY AFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING, ANY APARTMENTS CONTAINED THEREIN OR ANY OF THE BUILDING'S SYSTEMS.
 USG SHEETROCK MOLD TOUGH GYPSUM PANELS OR A SUBSTANCE OF EQUAL QUALITY SHALL BE PROVIDED WHEREVER WALLS OR CEILINGS ARE REPLACED IN WET/DAMP AREAS AND

DUROCK OR A SUBSTANCE OF EQUAL QUALITY IN TUB/SHOWER ENCLOSURES. CEMENT BOARD

MUST BE INSTALLED PER THE MANUFACTURER'S GUIDELINES.

21. ALL RENOVATED FLOORS, EXCEPT THOSE IN VERTICALLY STACKED BATHROOMS, MUST MEET THE NYC BUILDING CODE REQUIREMENT FOR IMPACT NOISE REDUCTION (INR-0)

SPECIAL INSPECTIONS

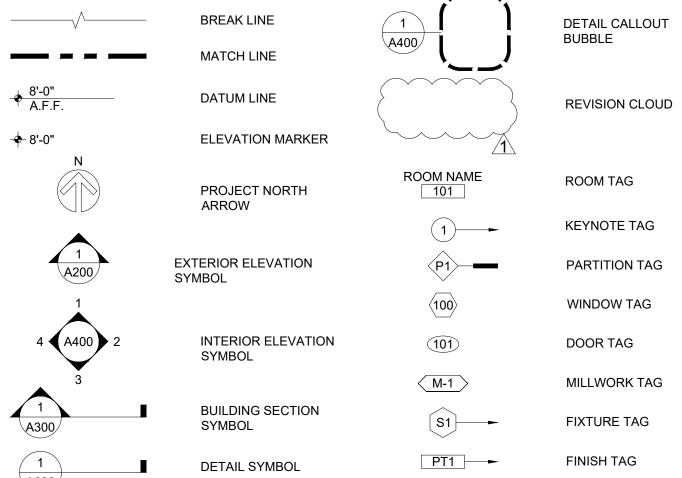
THE FOLLOWING ITEMS OF WORK SHALL BE SUBJECT TO SPECIAL/PROGRESS CONTROLLED INSPECTION, MADE AND WITNESSED BY OR UNDER THE DIRECT SUPERVISION OF AN ARCHITECT OR ENGINEER RETAINED BY THE OWNER AND ACCEPTABLE TO THE ARCHITECT OF RECORD. TEST REPORTS AND CERTIFICATES OF INSPECTION SHALL BE FILED WITH THE

DIRECTIVE 14

DEPAI	RTMENT OF BUILDINGS:		
1.1.	FIRE RESISTANT PENETRATIONS AND JOINTS	BC 1704.27	
1.2.	MECHANICAL SYSTEMS	BC 1704.16	
1.3.	POST INSTALLED ANCHORS	BC 1704.32	
1.4.	ENERGY CODE COMPLIANCE INSPECTIONS	TR8/BC 110.3.5	
1.4.1	FENESTRATION U-FACTOR AND PRODUCT RATING		
1.4.2	FENESTRATION AIR LEAKAGE		
1.4.3	AIR SEALING AND INSULATION - VISUAL		
1.4.4	LIGHTING IN DWELLING UNITS		
145	INTERIOR LIGHTING POWER		

DRAWING SYMBOLS

FINAL INSPECTION



SUBMITTALS

CONTRACTOR TO PROVIDE SUBMITTALS (PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES)
 OF ALL PRODUCTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING, FOR THE ARCHITECT'S
 REVIEW AND APPROVAL:

PRODUCT DATA SAMPLES - APPLIANCES & EQUIPMENT - MILLWORK FINISHES - LIGHTING FIXTURES & CONTROLS - METAL FINISHES - METAL FABRICATIONS - WINDOW(S) - PAINTS & COATINGS - TILE & STONE - COUNTERTOPS SHOP DRAWINGS GLASS & MIRRORS - MILLWORK - PAINTS & COATINGS - DOORS - HARDWARE - WINDOWS - SPECIALTIES

2. THE ARCHITECT SHALL REVIEW SHOP DRAWINGS AS TO THEIR GENERAL CONFORMANCE WITH THE DESIGN INTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS, QUANTITIES, TECHNIQUES OF CONSTRUCTION AND COORDINATION WITH OTHER TRADES.

MOCK-UPS SHALL BE REPRESENTATIVE SAMPLES OF THE SPECIFIED MATERIALS, PREPARATIONS AND APPLICATION METHODS. AN APPROVED MOCK-UP CONSTITUTES THE STANDARD FOR WORKMANSHIP. MOCK-UPS ARE TO BE LOCATED WHERE DIRECTED, IF TO BE

TENANT PROTECTION PLAN 2014 NYC BUILDING

CODE AS PER 28-104.8.4

INCORPORATED INTO THE FINAL INSTALLATION.

- 1. THE BUILDING CONTAINS 56 DWELLING UNITS THAT MAY BE OCCUPIED DURING CONSTRUCTION.
- THE CONSTRUCTION IS CONFINED TO APT 4B.
 THERE WILL BE NO OCCUPANCY OF THE PROPOSED CONSTRUCTION AREA TO BE RENOVATED DURING THE COURSE OF CONSTRUCTION WORK.
 EGRESS:
- 4.1. AT ALL TIMES IN THE COURSE OF CONSTRUCTION THE EGRESS FROM THE VARYING FLOORS OF THE BUILDING WILL BE MAINTAINED.
- 4.2. REQUIRED EGRESS SHALL NOT BE OBSTRUCTED AT ANY TIME. EGRESS AT EXISTING CORRIDORS, FIRE STAIRS, ETC. WILL BE MAINTAINED AT ALL TIMES.
- 4.3. ALL EXISTING MEANS OF EGRESS MAY NOT BE USED TO STORE MATERIALS, EQUIPMENT AND DEBRIS. TRANSPORTATION OF ALL MATERIALS, EQUIPMENT AND DEBRIS MUST BE
- COORDINATED WITH THE BUILDING SUPERINTENDENT.

 5. FIRE SAFETY:
- 5.1. ALL PRECAUTIONS TO BE OBSERVED TO MAINTAIN EXISTING FIRE SAFETY FOR ALL OCCUPIED DWELLING UNITS AS WELL AS ADDITIONAL SAFETY MEASURES NECESSITATED
- BY THE CONSTRUCTION SHALL BE STRICTLY OBSERVED.

 5.2. ALL BUILDING MATERIALS STORED AT CONSTRUCTION AREA AND/OR IN ANY AREA OF THE BUILDING ARE TO BE SECURED IN A LOCKED AREA. ACCESS TO SUCH AREAS IS TO BE CONTROLLED BY THE BUILDING OWNER AND/OR CONTRACTOR.
- 6. HEALTH REQUIREMENTS:6.1. THE GENERAL CONTRACTOR WILL ENSURE THAT DUST IS CONTROLLED, KEPT TO A
- MINIMUM AND REMOVED AT THE COMPLETION OF EACH WORK DAY.

 DISPOSAL OF CONSTRUCTION DEBRIS MUST BE DONE IN THE SAME MANNER.
- 6.3. THE DISPOSAL OF DEBRIS WILL BE PERFORMED IN SUCH A MANNER AS TO NOT INTERFERE WITH OCCUPIED DWELLINGS.
- 6.4. DEBRIS, DIRT AND DUST WILL BE KEPT TO A MINIMUM AND CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
- 6.5. CONSTRUCTION NOISE WILL BE CEASED AFTER NORMAL WORKING HOURS. NOISE WILL BE LIMITED TO ACCEPTABLE LEVELS IN ACCORDANCE WITH THE NEW YORK CITY NOISE CONTROL CODE.
- 6.6. SANITARY FACILITIES ARE TO BE MADE AVAILABLE FOR CONSTRUCTION WORKERS AS REQUIRED BY OSHA.
- 6.7. PRECAUTIONS SHALL BE TAKEN TO PROVIDE FOR PEST CONTROL WHERE NECESSARY AS REQUIRED BY THE DEPT OF HEALTH AND METAL HYGIENE RULES AND REGULATIONS.
- 7. CONTRACTOR MUST COMPLY WITH ALL APPLICABLE LAWS RELATING TO LEAD AND ASBESTOS.
- IF OBSERVED IMMEDIATELY CONTACT OWNER OR ARCHITECT.

 8. ELECTRIC, GAS AND OTHER UTILITIES ARE NOT TO BE INTERRUPTED.
- BUILDING SECURITY IS TO BE MAINTAINED AT ALL TIMES TO PREVENT UNAUTHORIZED PERSONS FROM ENTERING THE BUILDING.
- 10. CONSTRUCTION OPERATIONS WILL BE CONFINED TO THE HOURS NOTED IN THE BUILDING'S ALTERATION AGREEMENT, UNLESS AN AFTER HOURS VARIANCE PERMIT IS OBTAINED FROM
- THE BUILDINGS DEPARTMENT.

SMOKE & CARBON MONOXIDE ALARMS / DETECTORS (2014 BC)

- LISTED SINGLE AND MULTIPLE STATION SMOKE ALARMS COMPLYING WITH UL 217 SHALL BE INSTALLED IN ACCORDANCE WITH BC 907.2.11.1 THROUGH 907.2.11.4 AND NFPA 72.
- 2. SINGLE OR MULTIPLE STATION SMOKE ALARMS AND CARBON MONOXIDE ALARMS OR DETECTORS SHALL BE INSTALLED AND MAINTAINED, REGARDLESS OF OCCUPANT LOAD AT ALL
- OF THE FOLLOWING LOCATIONS WITHIN ALL DWELLING UNITS:

 2.1. ON THE CEILING OR WALL OUTSIDE OF EACH ROOM USED FOR SLEEPING PURPOSES WITHIN 15' FROM THE DOOR TO SUCH ROOM.
- 2.2. IN EACH ROOM USED FOR SLEEPING PURPOSES.
 2.3. IN EACH STORY WITHIN A DWELLING UNIT, INCLUDING BELOW-GRADE STORIES AND PENTHOUSES OF ANY AREA, BUT NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS. IN DWELLINGS OR DWELLING UNITS WITH SPLIT LEVELS AND WITHOUT AN INTERVENING DOOR BETWEEN THE ADJACENT LEVELS, A SMOKE ALARM INSTALLED ON THE
- UPPER LEVEL SHALL SUFFICE FOR THE ADJACENT LOWER LEVEL PROVIDED THAT THE LOWER LEVEL IS LESS THAN ONE FULL STORY BELOW THE UPPER LEVEL.

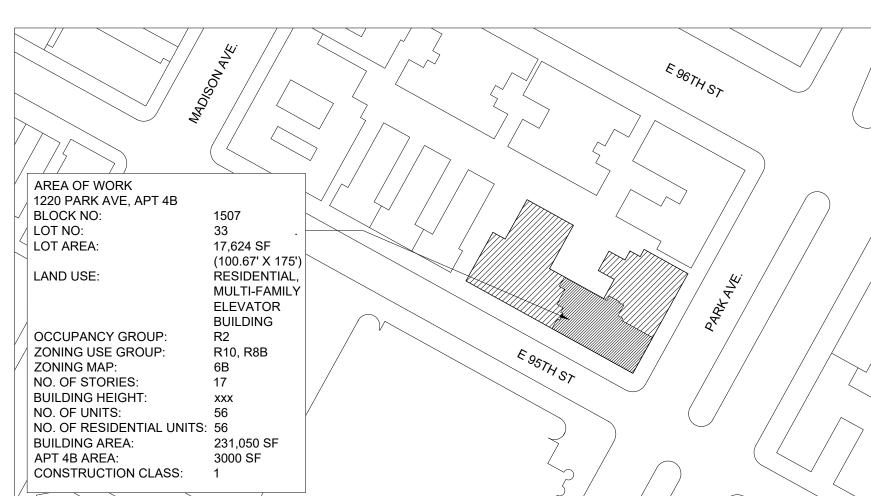
 POWER SOURCE PER BC 907.2.11.2
- 3.1. REQUIRED SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM A DEDICATED BRANCH CIRCUIT OR THE UNSWITCHED PORTION OF A BRANCH CIRCUIT ALSO USED FOR POWER AND LIGHTING, AND SHALL BE EQUIPPED WITH BATTERY BACKUP.
 3.2. SMOKE ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW.
- 3.3. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVER-CURRENT PROTECTION.
 INTERCONNECTION PER BC 907.2.11.3: WHERE MORE THAN ONE SMOKE ALARM OR DETECTOR
- IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING UNIT, THE SMOKE ALARMS OR DETECTORS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM OR DETECTOR WILL ACTIVATE ALL OF THE ALARMS OR DETECTORS IN THE INDIVIDUAL UNIT.
- SMOKE ALARMS OR DETECTORS SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER
- BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED.

 SMOKE ALARMS SHALL BE PROVIDED WITH THE CAPABILITY TO SUPPORT VISIBLE ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH ICC/ANSI A117.1 BC 907.2.11.4.
- 7. CARBON MONOXIDE ALARMS AND DETECTORS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH BC 908.7.1 THROUGH 908.7.4.

AND 2075. BC 908.7.4.

8. CARBON MONOXIDE ALARMS OR DETECTORS SHALL COMPLY WITH THE POWER SOURCE, INTERCONNECTION, AND ACCEPTANCE TESTING REQUIREMENTS AS REQUIRED FOR SMOKE ALARMS IN ACCORDANCE WITH BC 907.2.11.2 THROUGH 907.2.11.3. BC 908.7.1.1.2.
 9. CARBON MONOXIDE ALARMS AND DETECTORS SHALL BE LISTED IN ACCORDANCE WITH UL 2034

	NG LIST		ISSUE AND DATE	<u> </u>	
			PRELIMINARY BID 06/12/2017		
SHEET#	TITLE	SCALE			
GENERAL					
G-000.00	COVER	NONE	X		
G-001.00	ENERGY ANALYSIS, BUILDING NOTES	NONE	Х		
G-002.00	ANSI ACCESSIBILITY DIAGRAMS	NONE	Х		
ARCHITECT	JRAL				
DM-100.00	DEMOLITION PLAN	1/4" = 1'-0"	Х		
A-100.00	CONSTRUCTION PLAN	1/4" = 1'-0"	Х		
A-110.00	FINISH FLOOR PLAN	1/4" = 1'-0"	х		
A-120.00	REFLECTED CEILING PLAN	1/4" = 1'-0"	х		
A-130.00	POWER, TELEPHONE, & DATA PLAN	1/4" = 1'-0"			
A-400.00	INTERIOR ELEVATIONS 1	1/4" = 1'-0"	х		
A-401.00	INTERIOR ELEVATIONS 2	1/4" = 1'-0"	Х		
A-402.00	INTERIOR ELEVATIONS 3	1/4" = 1'-0"	X		
A-403.00	ENLARGED PLANS AND ELEVATIONS 1	1/2" = 1'-0"	х		
A-404.00	ENLARGED PLANS AND ELEVATIONS 2	1/2" = 1'-0"	х		
A-405.00	ENLARGED PLANS AND ELEVATIONS 3	1/2" = 1'-0"	Х		
A-600.00	DETAILS	AS NOTED	х		
A-700.00	FINISH AND MILLWORK SCHEDULES	AS NOTED	X		
A-701.00	FIXTURES, APPLIANCES AND LIGHTING SCHEDULES	AS NOTED	X		
A-702.00	WINDOW AND DOOR SCHEDULES	AS NOTED	Х		
MECHANICA	L				
M-100.00	MECHANICAL PLAN	AS NOTED	х		
M-200.00	MECHANICAL DETAILS	AS NOTED	Х		
ELECTRICAL	-				
E-001.00	ELECTRICAL SYMBOLS, ABBREVS, NOTES & DWG LIST	AS NOTED	Х		
E-002.00	ELECTRICAL SPECIFICATIONS	AS NOTED	Х		
E-003.00	ELECTRICAL SPECIFICATIONS	AS NOTED	Х		
E-100.00	ELECTRICAL LIGHTING PLAN	AS NOTED	Х		
E-200.00	ELECTRICAL POWER PLAN	AS NOTED	X		
E-300.00	ELECTRIC RISER DIAGRAMS	AS NOTED	X		
E-400.00	ELECTRICAL DETAILS	AS NOTED	X		+



AS NOTED

AS NOTED

AS NOTED

AS NOTED

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PLUMBING LEGENDS, NOTES, DETAILS, & SPECS

PLUMBING FLOOR PLAN - DEMOLITION

PLUMBING FLOOR PLAN - NEW WORK

PLUMBING RISER DIAGRAMS

P-100.00

P-300.00

1 LOCATION PLAN

Artacho / Oh Residence

1220 PARK AVE, APT 4B NEW YORK, NY 10128

<u>OWNER</u>

CECILIA ARTACHO OH & KENNEY OH 1220 PARK AVE, APT 4B NEW YORK, NY 10128

ARCHITECT

DAVIES TOEWS ARCHITECTURE
448 E. 13TH STREET, STOREFRONT
NEW YORK, NY 10009
TEL: (718) 222-1202

CODE CONSULTANT JAM CONSULTANTS, INC.

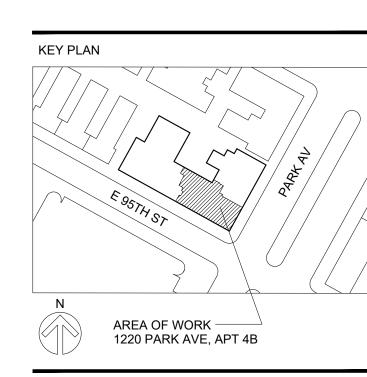
JAM CONSULTANTS, INC. 104 WEST 29TH STREET, 9TH FLOOR NEW YORK, NY 10001 TEL. (212) 244-4427

MECHANICAL ENGINEER HAMILTON AIR. 262 WEST 38TH STREET #301

262 WEST 38TH STREET #301 NEW YORK, NY 1018-5808 TEL. (212) 682-2710

TEL. (917) 362-6719

PLUMBING AND ELECTRICAL ENGINEER GREEN SOLUTIONS ENGINEERING AND ENERGY MANAGEMENT CONSULTING ENGINEERS, PC 104-15 95TH AVE OZONE PARK, NY 11416



STAMP

NOT FOR CONSTRUCTION

PRELIMINARY BID 06/12/2017
ISSUE DATE

TITLE

SHEET NUMBER

PROJECT NO: 1701 SCALE: AS NOTED

G-000000

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2016 NEW YORK CITY ENERGY CONSERVATION CODE COMPLIANCE

PROPOSED WORK COMPLIES WITH THE REQUIREMENTS OF THE 2016 NYCECC.

PROFESSIONAL STATEMENT

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH ENERGY CONSERVATION CODE OF NEW YORK CITY."

ENERGY ANALYSIS

2016 NYCECC, R501.1.1 ADDITIONS, ALTERATIONS, OR REPAIRS: GENERAL.

ADDITIONS, ALTERATIONS, OR REPAIRS TO AN EXISTING BUILDING, BUILDING SYSTEM OR PORTION THEREOF SHALL COMPLY WITH SECTION R502, R503, OR R504. UNALTERED PORTIONS OF THE EXISTING BUILDING OR BUILDING SUPPLY SYSTEM SHALL NOT BE REQUIRED TO COMPLY WITH THIS CODE.

2016 NYCECC, R501.4 COMPLIANCE.

ALTERATIONS, REPAIRS, ADDITIONS AND CHANGES OF OCCUPANCY TO, OR RELOCATION OF, OF EXISTING BUILDINGS AND STRUCTURES SHALL COMPLY WITH (I) ALL APPLICABLE PROVISIONS OF THIS CODE, (II) THE PROVISIONS FOR ALTERATIONS, REPAIRS, ADDITIONS AND CHANGES OF OCCUPANCY OR RELOCATION, RESPECTIVELY, IN THE NEW YORK CITY CONSTRUCTION CODES, (III) THE NEW YORK CITY FIRE CODE, AND (IV) THE NEW YORK CITY ELECTRICAL CODE.

2016 NYCECC, R501.5 NEW AND REPLACEMENT MATERIALS.

EXCEPT AS OTHERWISE REQUIRED OR PERMITTED BY THIS CODE, MATERIALS PERMITTED BY THE APPLICABLE CODE FOR NEW CONSTRUCTION SHALL BE USED. LIKE MATERIALS SHALL BE PERMITTED FOR REPAIRS, PROVIDED HAZARDS TO LIFE, HEALTH OR PROPERTY ARE NOT CREATED. HAZARDOUS MATERIALS SHALL NOT BE USED WHERE THE CODE FOR NEW CONSTRUCTION WOULD NOT PERMIT THEIR USE IN BUILDINGS OF SIMILAR OCCUPANCY, PURPOSE AND LOCATION.

2016 NYCECC, R503.1 GENERAL

ALTERATIONS TO ANY BUILDING OR STRUCTURE SHALL COMPLY WITH THE REQUIREMENTS OF THE CODE FOR NEW CONSTRUCTION. ALTERATIONS SHALL BE SUCH THAT THE EXISTING BUILDING OR STRUCTURE IS NO LESS CONFORMING TO THE PROVISIONS OF THIS CODE THAN THE EXISTING BUILDING OR STRUCTURE WAS PRIOR TO THE ALTERATION.

ALTERATIONS TO AN EXISTING BUILDING, BUILDING SYSTEM OR PORTION THEREOF SHALL CONFORM TO THE PROVISIONS OF THIS CODE AS THEY RELATE TO NEW CONSTRUCTION WITHOUT REQUIRING THE UNALTERED PORTIONS OF THE EXISTING BUILDING OR BUILDING SYSTEM TO COMPLY WITH THIS CODE. ALTERATIONS SHALL NOT CREATE AN UNSAFE OR HAZARDOUS CONDITION OR OVERLOAD EXISTING BUILDING SYSTEMS. ALTERATIONS SHALL BE SUCH THAT THE EXISTING BUILDING OR STRUCTURE USES NO MORE ENERGY THAN THE EXISTING BUILDING OR STRUCTURE PRIOR TO THE ALTERATION. ALTERATIONS TO EXISTING BUILDINGS SHALL COMPLY WITH SECTIONS R503.1.1 THROUGH R503.2.

2016 NYCECC, R503.1.4 LIGHTING.

NEW LIGHTING SYSTEMS THAT ARE PART OF THE ALTERATION SHALL COMPLY WITH SECTION R404.1.

ENERGY ANALYSIS, ALTERATION TO AN EXSTG APT OF AN EXSTG MULTIPLE DWELLING BUILDING, CLIMATE ZONE 4A, NYCECC 2016

NYCECC ITEM#	PROVISION	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PRESCRIPTIVE VALUE	SUPPORTING DOCS
402.3.5	REPLACEMENT FENESTRATION	BUILDING ENVELOPE-FENES TRATION REQ'S - NEW WINDOWS TO REPLACE EXSTG	U-FACTOR = 0.30	U-FACTOR = 0.35 PER NYCECC TABLE 402.1.1	EXTERIOR WINDOW SCHEDULE, SHEET G-001
404.4.2.2	AIR SEALING AND INSULATION	VISUAL INSPECTION	FIELD VERIFICATION REQ'D	NYCECC 404.4.2.2	SEE A-100
402.4.4	FENESTRATION AIR LEAKAGE	BUILDING ENVELOPE - FENESTRATION PRODUCT RATINGS FOR AIR LEAKAGE	MAX 0.3 CFM PER SQUARE FOOT PER ASTM E283	NO MORE THAN 0.3 CFM PER SF	EXTERIOR WINDOW SCHEDULE, SHEET G-001
404.1	LIGHTING EQUIPMENT	ELECTRICAL - LIGHTING IN DWELLING UNITS	NOT LESS THAN 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS OR NOT LESS THAN 75 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICACY LAMPS.	NYCECC 404.1	LIGHTING FIXTURE SCHEDULE, SHEET G-001

LIGHTING ANALYSIS			
DESCRIPTION	LAMP TYPE	QTY	
CEILING RECESSED DOWNLIGHT	LED	38	
CEILING RECESSED DOWNLIGHT, WET-LISTED	LED	6	
SURFACE MOUNTED CEILING LIGHT	FLUORESCENT	18	
STRIP LIGHT	LED	69 LF	
WALL SCONCE	TBD	30	
	TOTAL FIXTURE COUNT	161	
TOTAL	NO. FIXTURES W/ HIGH-EFFICACY LAMPS	131	
PERCENTAGE W/ HIGH-EFFICACY LAMPS 81%		81%	
TOTAL NO. OF HIGH-EFFICANCY LAMPS > 75% C	F LAMPS IN PERMANENTLY INSTALLED F	IXTURES	

BUILDING NOTES

- A FINAL SCHEDULE BROKEN OUT BY TRADE MUST BE SUBMITTED FOR BUILDING APPROVAL.
 ALL WORK SHALL BE PROVIDED BY LICENSED CONTRACTORS WHERE APPLICABLE: GENERAL CONSTRUCTION SHALL BE PROVIDED BY CONTRACTORS WITH A HOME IMPROVEMENT CONTRACTOR'S LICENSE AS ADMINISTERED BY THE NEW YORK CITY DEPARTMENT OF CONSUMER AFFAIRS, AND PLUMBING AND ELECTRICAL WORK SHALL BE PROVIDED BY CONTRACTORS LICENSED BY NEW YORK CITY. ALL PROJECTS ARE REQUIRED TO RENOVATE UTILIZING LEAD SAFE PRACTICES INCLUDING THE USE OF CERTIFIED RENOVATORS. SUBMIT COPIES OF THE LICENSES, AND NAMES AND ADDRESSES OF THE CONTRACTORS / SUBCONTRACTORS FOR REVIEW. THESE INCLUDE HOME IMPROVEMENT CONTRACTOR'S LICENSE, RENOVATOR'S CERTIFICATION FOR LEAD SAFE PRACTICES, MASTER PLUMBER'S LICENSE AND MASTER ELECTRICIAN'S LICENSE. SUBMITTAL OF DOCUMENTS THAT SHOW COMPLIANCE WITH THE ABOVE ARE REQUIRED FOR APPROVAL AND RECORD.
- 3. THE CONTRACTORS ARE TO PROVIDE CERTIFICATES OF LIABILITY INSURANCE AND PROOF OF WORKMAN'S COMPENSATION AND DISABILITY COVERAGE AS PER THE ALTERATION AGREEMENT.
- NOTIFICATION LETTERS TO ADJACENT APARTMENTS ARE TO BE ISSUED AT LEAST 10 DAYS PRIOR TO COMMENCEMENT OF WORK AS PER THE ALTERATION AGREEMENT. PICTORIAL DOCUMENTATION OF EXISTING CONDITIONS IN NEIGHBORING APARTMENTS PRIOR TO THE START OF CONSTRUCTION IS REQUIRED AND IS TO BE SCHEDULED WITH THE RESIDENT MANAGER
- 5. POWER-ACTUATED DEVICES MAY NOT BE UTILIZED WITHOUT PRIOR CONSENT FROM THE BOARD, AS PER THE ALTERATION AGREEMENT.
- 6. PROVIDE FOR FIRE SAFETY AS PER THE ALTERATION AGREEMENT. A UL LISTED CLASS ABC FIRE EXTINGUISHERS AND SMOKE/CO DETECTORS MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION. THEY ARE TO BE LOCATED IN A CONSPICUOUS LOCATION AND MAINTAINED IN WORKING ORDER IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE NYC FIRE
- 7. NOTE THAT BUILDING SYSTEMS MAY NOT BE RELOCATED. NO PLUMBING OR HEATING RISERS MAY BE RELOCATED WITHOUT THE BUILDING'S SPECIFIC WRITTEN CONSENT. SIMILARLY, RELOCATION OF ANY ELECTRIC RISER WILL NOT BE PERMITTED WITHOUT THE BUILDING'S APPROVAL
- 8. UPON COMPLETION OF DEMOLITION, THE CONDITION OF EXISTING BUILDING RISERS MUST BE INSPECTED BY THE BUILDING. THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING THE RESIDENT MANAGER OR BUILDING MANAGEMENT FOR THIS INSPECTION AND OBTAINING THEIR WRITTEN SIGN-OFF INDICATING THAT THE RISERS DO NOT REQUIRE REPAIR AND SCHEDULED WORK MAY PROCEED. IF A RISER REPLACEMENT IS REQUIRED, THE SHAREHOLDER AND CONTRACTOR ARE TO NOTE THAT THIS COULD AFFECT THE CONSTRUCTION SCHEDULE AS WALLS CANNOT BE CLOSED WITHOUT COMPLETION OF THE REQUISITE INSPECTIONS. IN ADDITION, IF THE BUILDING'S \$25,000 ALLOTMENT FOR WORK UNDER LAA1 IS NOT AVAILABLE OR THE COST OF THE WORK LEAVES THE BUILDING WITHOUT AVAILABLE FUNDS, THE SHAREHOLDER MAY BE REQUIRED TO AMEND THE APARTMENT'S EXISTING DOB APPLICATION OR FILE NEW TO INCLUDE THIS WORK.
- 9. ALL PROJECTS ARE REQUIRED TO RENOVATE UTILIZING LEAD SAFE PRACTICES INCLUDING THE USE OF CERTIFIED RENOVATORS. THE SHAREHOLDER MUST BE MADE AWARE OF THESE REQUIREMENTS AS THERE IS A \$32,500 FINE PER DAY FOR NON-COMPLIANCE. IT WILL BE THE SHAREHOLDER'S RESPONSIBILITY TO NOTIFY THE CONTRACTOR AS TO THE PRESENCE OF LEAD-BASED PAINT ON THE SITE AND SHALL CAUSE THE CONTRACTORS AND WORKERS TO USE SAFE WORK PRACTICES AS REQUIRED BY EPA LAW 40 CFR 745 SUBPART E, EFFECTIVE 04.22.10, AND ANY APPLICABLE AGENCY REQUIREMENTS, TAKING ALL PRECAUTIONS TO PREVENT THE SPREAD OF DUST AND DEBRIS THAT MAY CONTAIN LEAD. THE SHAREHOLDER HEREBY ACKNOWLEDGES THAT THE BUILDING HAS NO LIABILITY OR OBLIGATION IN CONNECTION WITH THIS NOTIFICATION REQUIREMENT OF THE PRE-ALTERATION TESTING FOR THE PRESENCE OF LEAD MAY LIMIT THE AMOUNT OF AREA UNDER THE PURVIEW OF THE REGULATIONS.
- 10. IF ASBESTOS IS UNCOVERED DURING DEMOLITION, PROVIDE FOR REMOVAL OR CONTAINMENT AS PER AGENCY REQUIREMENTS. RESIDENT MANAGER MUST BE GIVEN 24-HOURS NOTICE PRIOR TO THE SCHEDULE FOR REMOVAL.
- 11. AS THE ALTERATION AGREEMENT GOVERNS THE CONTRACTOR IS TO PROVIDE PROTECTION AS PER THE RESIDENT MANAGER'S REQUIREMENTS, ALL TOILET AND KITCHEN EXHAUSTS ARE TO BE COVERED, HVAC UNITS PROTECTED OR REMOVED FROM THE SITE, THE HALLWAYS PROTECTED WITH MASONITE AND STICKY MATS PROVIDED EACH DAY AT THE ELEVATORS AND AT THE FRONT DOOR.
- 12. NEGATIVE AIR PRESSURE MACHINES SHALL BE UTILIZED PER MANUFACTURER'S GUIDELINES AND AS DIRECTED BY MANAGEMENT, SPECIFICATIONS FOR WHICH MUST BE SUBMITTED PRIOR TO IMPLEMENTATION. NEGATIVE AIR PRESSURE MACHINES REDUCE DUST INFILTRATION TO ADJACENT UNITS AND PUBLIC SPACES OUTSIDE OF THE UNIT BEING ALTERED, PARTICULATE DUST WITHIN THE WORK AREA, CLEANUP AND MAINTENANCE TIME, AND UNPLEASANT ODORS. DEMOLITION SHALL BE MANAGED TO COINCIDE WITH THE AMOUNT OF DEBRIS THAT CAN BE PROPERLY REMOVED ON THAT DAY. ALL DEBRIS IS TO BE PROPERLY SEALED IN BAGS OR CONTAINERS THAT WILL NOT PERMIT DUST TO LEAVE THE VESTIBULE OR ENTER THE PUBLIC HALLS.
- 13. ALL WORK IS TO BE IN COMPLIANCE WITH ALL SECTIONS OF THE ALTERATION AGREEMENT AND HOUSE RULES.
- 14. CHOPPING, CUTTING, CHASING OR CHANNELING IS NOT PERMITTED FOR ANY REASON IN BRICK OR BLOCK AT BUILDING EXTERIOR WALLS, APARTMENT DEMISING WALLS, BUILDING STRUCTURE, STRUCTURAL SLABS, BEAMS, MASONRY COLUMNS OR THEIR ENCLOSURES. THIS MUST BE ADEQUATELY COMMUNICATED TO YOUR GC. TYPICAL IN UNIT PARTITIONS MAY BE COMPLETELY REMOVED IF DESIRED, ON CONDITION THEY ARE NOT STRUCTURAL AND THAT NO RISERS ARE DISTURBED IN THE PROCESS. IF IN DOUBT, VERIFY WITH RESIDENT MANAGER WHICH WALLS MAY BE AND MAY NOT BE REMOVED / CHOPPED, AND WHICH MAY BE CHASED. CUTTING / CHASING IN DEMISING WALLS FOR ELECTRICAL OR ANY OTHER SERVICES IS PERMITTED ONLY IN THE VERTICAL DIRECTION, AND ONLY TO THE DEPTH OF THE PLASTER LAYER. ANY UNAPPROVED CHOPPING WILL RESULT IN STOPPAGE OF WORK AND REQUIRE AN INSPECTION BY OUR OFFICE TO INDICATE A REMEDY. FIREPROOF / FIRESTOP AROUND ALL ELECTRICAL BOXES. VERIFY WALL THICKNESS AND VIABILITY OF INSTALLATION OF ELECTRICAL BOXES IN WALLS PRIOR TO CUTTING.
- ALL BRANCH PIPING, SUPPLY, WASTE AND VENT, MUST BE REPLACED BACK TO THE BUILDING'S RISERS AND STACKS. REPLACEMENT OF BRANCH PIPING IS TO INCLUDE PROVIDING NEW RISER SHUT-OFF VALVES TO BE LOCATED IN CLOSE PROXIMITY TO THE RISER. A MINIMUM OF 3 ELBOW SWINGS TO ALLOW FOR VERTICAL EXPANSION ARE REQUIRED BETWEEN THE HOT WATER RISER T AND SHUT-OFF VALVE. PROVIDE DIELECTRIC UNIONS WITH APPROPRIATE END CONNECTIONS FOR THE PIPE MATERIALS IN WHICH INSTALLED (SCREWED, SOLDERED, OR FLANGED) TO ISOLATE DISSIMILAR METALS. SOFT-SEATED, SPRING LOADED CHECK VALVES ARE TO BE PROVIDED ON HOT AND COLD WATER BRANCH LINES FOLLOWING THE SHUT-OFF VALVES. ALL VALVES ARE TO BE MADE ACCESSIBLE FOR SERVICING. BRANCH PIPING IS TO BE WRAPPED WITH DURABLE, CONDENSATE CONTROLLING, INSULATING MATERIAL AND SUPPORTED WITH NON-REACTIVE MATERIALS. A MINIMUM CLEAR DISTANCE OF 2" IS REQUIRED BETWEEN HOT AND COLD WATER PIPES AND THERE MUST BE NO METAL-TO-METAL CONTACT BETWEEN PIPING, CONDUIT, BX, ETC. A WATER HAMMER ARRESTER IS TO BE PROVIDED AT ALL BRANCH LINES THAT FEED SINKS, LAVATORIES AND WATER CLOSETS. ARRESTERS MUST BE MADE ACCESSIBLE FOR SERVICING (UNLESS THE UNIT HAS A LIFETIME GUARANTEE I.E. SIOUX CHIEF) AND ARE TO BE LOCATED ACCORDING TO MANUFACTURER'S INSTRUCTIONS. NOTE: AIR CHAMBERS ARE NOT TO BE USED.

- 16. WP SYSTEMS BY LATICRETE (9235, HYDROBAN OR APPROVED EQUAL) WILL BE ACCEPTABLE. SUBMIT PRODUCT SPECIFICATIONS AND DETAILS AS THEY RELATE TO THE FLOOR CONSTRUCTION IN THIS BUILDING. INDICATE THE EXTENT OF WP LOCATIONS ON THE CONSTRUCTION PLAN FOLLOW MANUFACTURER'S WP RECOMMENDATIONS WHERE NEW FLOORING IS INSTALLED. PLUMBING LINES RUNNING IN WALLS OVER DRY AREAS BELOW MUST BE WATERPROOFED. WP MUST TURN UP A MINIMUM OF 6" AT ALL WALL CONDITIONS. NEW STONE SADDLES MUST BE INSTALLED AT ALL BATHROOMS. AT THE WALLS SURROUNDING BATH TUBS AND SHOWERS, WATERPROOFING MUST EXTEND FLOOR TO CEILING. THE WP INSTALLATION MUST BE INSPECTED BY OUR OFFICE UPON COMPLETION.
- ALL RENOVATED FLOORS ARE TO INCLUDE A SOUNDPROOFING MEMBRANE THAT WILL PROVIDE AN IMPACT INSULATION CLASS (IIC) RATING OF NOT LESS THAN 50 BASED UPON LABORATORY MEASUREMENTS MADE IN ACCORDANCE WITH ASTM E 492, OR NOT LESS THAN 45 IF FIELD TESTED IN ACCORDANCE WITH ASTM E 1007 IN COMPLETED CONSTRUCTION. WE HAVE PREVIOUSLY REVIEWED AND APPROVED THE FOLLOWING SOUNDPROOFING PRODUCTS: GENIE MAT RST10 (10MM); KINETICS SR FLOORBOARD 5/8" THICK; COLBOND ENKASONIC 9110, 10 MM; INTERTEK QUIET CORK, 6MM; AND SIKA ACOUBOND (FOR WOOD FLOORS ONLY). NOTE THAT THE EXISTING BUILDING'S FLOOR CONSTRUCTION AND THE SP'S PERFORMANCE UNDER WET CONDITIONS MUST BE CONSIDERED IN THE SELECTION OF THE APPROPRIATE SOUNDPROOFING PRODUCT FOR WHICH TEST DATA BASED ON REQUIREMENTS PRESCRIBED BY THE NEW YORK CITY BUILDING CODE MUST BE PROVIDED.
- 18. PROVIDE AND/OR MAINTAIN FIRE RATED CONSTRUCTION AS REQUIRED AT SHAFTS, STRUCTURAL MEMBERS, DEMISING WALLS, ETC. NOTE THAT WALLS MUST BE COMPLETELY SHEATHED BEHIND CABINETS.
- WHERE CHASES, SHAFTS, DEMISING WALLS AND STRUCTURAL ELEMENTS ARE OPENED DURING CONSTRUCTION, PROVIDE A UL-LISTED FIRESTOPPING OR FIREPROOFING SYSTEM AS REQUIRED BY CODE AT ALL EXISTING OR NEW OPENINGS. WHERE PIPE CHASES ARE ENCLOSED IN MASONRY CONSTRUCTION, THE FIRE RATING MUST BE MAINTAINED AND WALLS THAT ARE DEMOLISHED IN THE COURSE OF THE WORK MUST BE RESTORED WITH SIMILAR CONSTRUCTION OR NEW CONSTRUCTION WITH THE SAME RATING. WHERE PIPING IS NOT LOCATED IN A RATED ENCLOSURE PROVIDE FIRESTOPPING SYSTEMS AS MANUFACTURED BY STI, HILTI, USG OR EQUAL UL LISTED PRODUCTS ARE ACCEPTABLE AND THEIR RATING MUST COINCIDE WITH THE FIRE RATING OF THE EXISTING ASSEMBLY. ORDINARY CEMENT, INSULATION AND OTHER NON-RATED SEALANTS AND PRODUCTS MAY NOT BE USED UNLESS PARTITIONS PROVIDE THE REQUIRED FIRE RATING. NOTE THAT FIRESTOPPING AND FIREPROOFING MUST BE INSTALLED UPON THE COMPLETION OF DEMOLITION AND PRIOR TO THE INSTALLATION OF ANY SHEATHING OR OTHER WORK THAT WILL BLOCK ACCESS TO ANY OPENINGS THAT MUST BE FIRESTOPPED.
- 20. CONTRACTOR IS TO NOTIFY THE RESIDENT MANAGER ON THE FOLLOWING MILESTONES SO THAT OBSERVATION VISITS MAY BE SCHEDULED OF THE WORK:
- -COMPLETION OF DEMOLITION, WHICH INCLUDES THE INSTALLATION OF SHUT OFF VALVES.
 -COMPLETION OF FIRESTOPPING AND FIREPROOFING IF REQUIRED.
- -COMPLETION OF MECHANICAL, PLUMBING AND ELECTRICAL ROUGH IN.
 -COMPLETION OF WATERPROOFING/SOUNDPROOFING.
- -COMPLETION OF SHOWER PAN INSTALLATION.
- -COMPLETION OF 24 HOUR WATER RETENTION TEST.
- -COMPLETION OF CLOSURE AND SEALING OF WALLS PRIOR TO INSTALLATION OF CABINETRY, APPLIANCES, ETC.
- -COMPLETION OF PROJECT PRIOR TO DOB SIGN-OFF.
- THE ARCHITECT IS RESPONSIBLE FOR MAINTAINING ADA REQUIREMENTS. WHERE WALLS ARE REPLACED AT ALL BATHROOMS, INCLUDING FOR REPLACEMENT OF BRANCH PIPING TO THE RISER, PLATES FOR THE LOCATION OF FUTURE GRAB BARS ARE TO BE INSTALLED AS PER ADA REQUIREMENTS.
- 22. PROVIDE GFCI OUTLETS AND CIRCUITS PER CODE IN ALL WET AREAS. OUTLETS AND FIXTURES LOCATED AT DEMISING WALL CONDITIONS MUST MAINTAIN THE EXISTING FIRE RATING. ALL LIGHTING MUST BE UL RATED AND POWER OUTLETS AND SWITCHES LOCATED AS PER ADA REQUIREMENTS.
- 23. NEW YORK ALONG WITH 5 OTHER NORTHEASTERN STATES, INCLUDING NEW JERSEY HAS ADOPTED OTC (OZONE TRANSPORT COMMISSION) GUIDELINES CONCERNING VOC (VOLATILE ORGANIC COMPOUND) REQUIREMENTS. THERE ARE STRINGENT REQUIREMENTS CONCERNING THE USE OF OIL BASED MATERIALS. IT WOULD BE BEST BOTH IN TERMS OF QUALITY FINISH AND ENVIRONMENTAL ISSUES TO SPRAY ANY LACQUER OFF SITE IN AN APPROPRIATE BOOTH. IF THIS IS TO BE SPRAYED ON SITE, CONTRACTORS ARE TO BE LIMITED TO PURCHASING QUART CANS ONLY. THE CONTRACTOR SHOULD BE USING A HIGH VOLUME, LOW PRESSURE SPRAY DEVICE.
- 4. ANY CHANGES TO THE SCOPE OF WORK MUST BE SUBMITTED FOR OUR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF THAT WORK. ALL FUTURE SUBMITTED DRAWINGS SHOULD HAVE CHANGES BUBBLED. WE WILL ONLY REVIEW BUBBLED CHANGES. CONSEQUENCES FOR ANY NON-BUBBLED CHANGES WILL BE THE RESPONSIBILITY OF THE SHAREHOLDER.
- 5. COPIES OF SIGNED AIA FORMS G706, CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND CLAIMS, AND G706A, CONTRACTOR'S RELEASE OF LIENS ARE TO BE SUBMITTED UPON SUBSTANTIAL COMPLETION.
- 26. UPON COMPLETION OF CONSTRUCTION, PROVIDE AN 8.5X11 SKETCH OF THE ALTERATION INDICATING LOCATIONS OF ALL VALVES AND ACCESS PANELS FOR PLUMBING AND ACCESS FOR MECHANICAL EQUIPMENT.

Artacho / Oh Residence

1220 PARK AVE, APT 4B NEW YORK, NY 10128

OWNER

CECILIA ARTACHO OH & KENNEY OH 1220 PARK AVE, APT 4B NEW YORK, NY 10128

ARCHITECT

DAVIES TOEWS ARCHITECTURE 448 E. 13TH STREET, STOREFRONT NEW YORK, NY 10009 TEL: (718) 222-1202

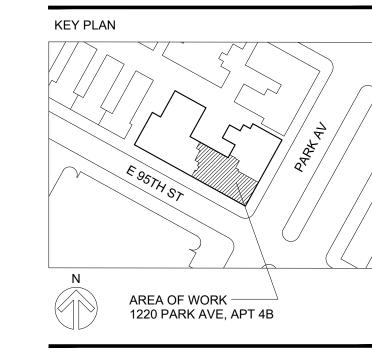
CODE CONSULTANT

JAM CONSULTANTS, INC.

104 WEST 29TH STREET, 9TH FLOOR
NEW YORK, NY 10001
TEL. (212) 244-4427

MECHANICAL ENGINEER
HAMILTON AIR.
262 WEST 38TH STREET #301
NEW YORK, NY 1018-5808
TEL. (212) 682-2710

PLUMBING AND ELECTRICAL ENGINEER
GREEN SOLUTIONS
ENGINEERING AND ENERGY MANAGEMENT
CONSULTING ENGINEERS, PC
104-15 95TH AVE
OZONE PARK, NY 11416
TEL. (917) 362-6719



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PRELIMINARY BID	06/12/2017

TITLE

BUILDING NOTES ENERGY ANALYSIS

PROJECT NO: 1701 SCALE: AS NOTED

SHEET NUMBER

G-001.00

PAGE 2 OF 18

ACCESSIBLE : COUNTER HEIGHT LOWERED, BASE CABINETS ADJUSTED ACCORDINGLY

PROVIDE REINFORCEMENT -AS REQ'D FOR FUTURE

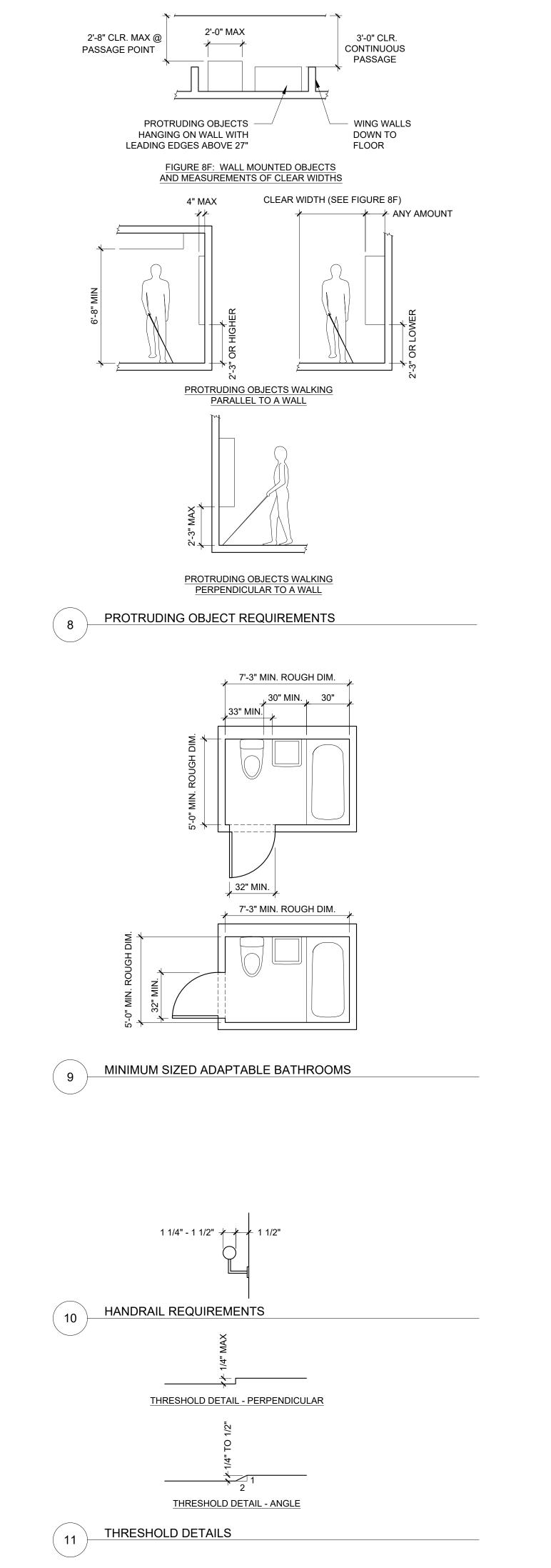
AT BATHTUB

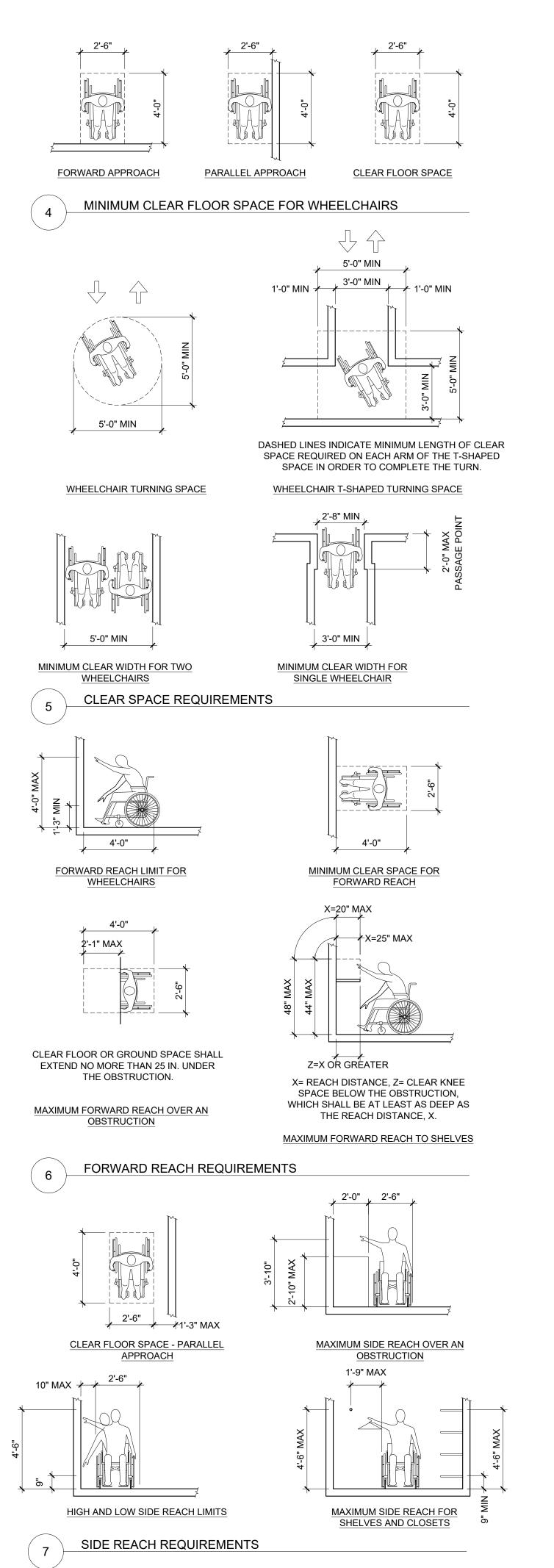
INSTALLMENT OF GRAB BARS

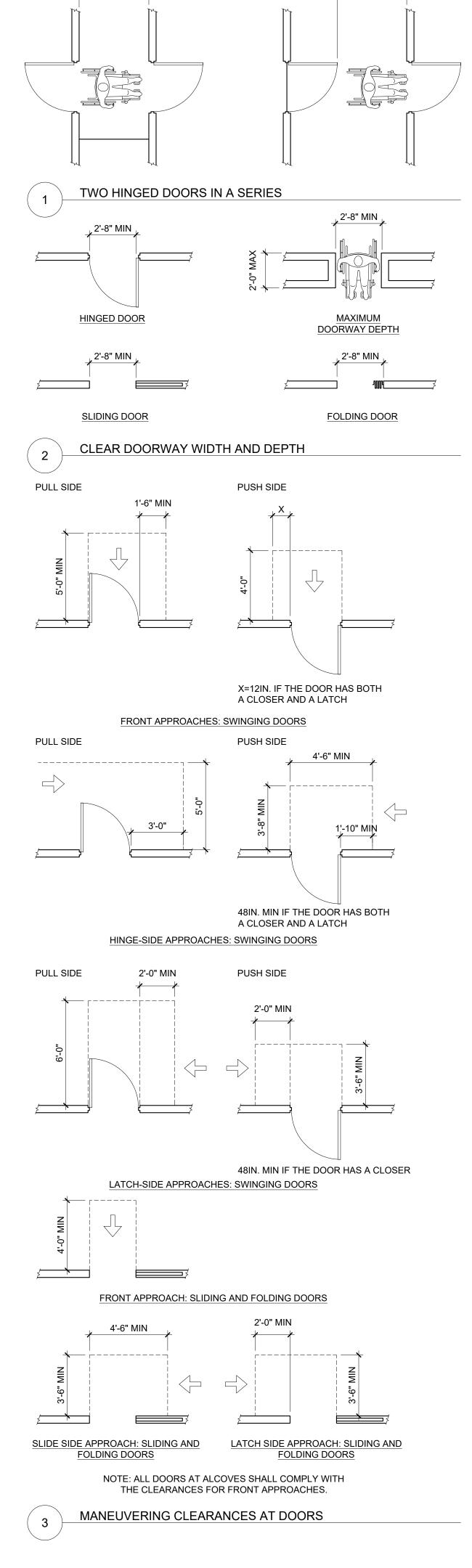
GRAB BAR REINFORCING REQUIREMENTS

PROPOSED KITCHEN

DE REINFORCEMENT REQ'D FOR FUTURE IENT OF GRAB BARS AT WATER CLOSET







4'-0"



NEW YORK, NY 10128

1220 PARK AVE, APT 4B NEW YORK, NY 10128

OWNER
CECILIA ARTACHO OH & KENNEY OH
1220 PARK AVE, APT 4B

ARCHITECT

DAVIES TOEWS ARCHITECTURE

448 E. 13TH STREET, STOREFRONT

NEW YORK, NY 10009

TEL: (718) 222-1202

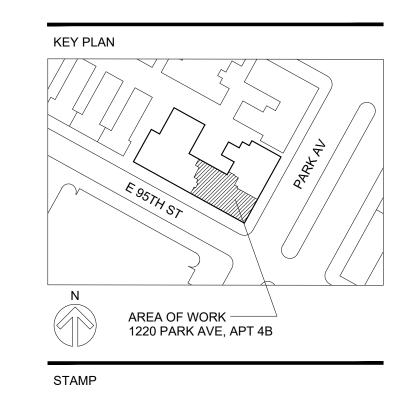
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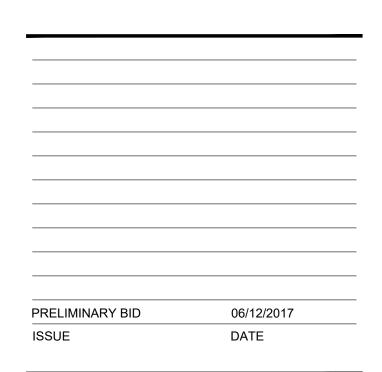
104 WEST 29TH STREET, 9TH FLOOR
NEW YORK, NY 10001
TEL. (212) 244-4427

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HAMILTON AIR.
262 WEST 38TH STREET #301
NEW YORK, NY 1018-5808
TEL. (212) 682-2710

PLUMBING AND ELECTRICAL ENGINEER
GREEN SOLUTIONS
ENGINEERING AND ENERGY MANAGEMENT
CONSULTING ENGINEERS, PC
104-15 95TH AVE
OZONE PARK, NY 11416
TEL. (917) 362-6719



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ANSI ACCESSIBILITY DIAGRAMS

PROJECT NO: 1701 SCALE: AS NOTED

SHEET NUMBER

G-002.00

DEMOLITION NOTES

- SET FORTH BY 1220 PARK AVE CORPORATION APPLICATION
- AGREEMENT AND APPLICABLE CODES. CONTRACTOR TO CONSULT WITH BUILDING MANAGEMENT &
- ENGINEER PRIOR TO REMOVAL OF ANY WORKS. THE CONTRACTOR MUST PROVIDE REQ'D PROTECTION TO ALL
- SURROUNDING AREAS THROUGHOUT COURSE OF DEMOLITION. THE CONTRACTOR IS RESPONSIBLE TO THOROUGHLY CLEAN UP AND REMOVE FROM THE PREMISES DAILY ALL WASTE MATERIALS AND RUBBISH AS GENERATED BY THE DEMOLITION. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE INSIDE OR OUTSIDE OF
- THE BUILDING. DEMOLITION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE CONTRACT DOCUMENTS AS WELL AS WITH ALL RULES, REGULATIONS, CODES, AND LOCAL, STATE, AND FEDERAL LAWS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS NECESSARY TO ACCOMPLISH THE DEMOLITION WORK. THE CONTRACTOR SHALL SECURELY CAP AND/OR VALVE OFF
- PLUMBING LINES AS REQUIRED. THE CONTRACTOR SHALL SUBMIT PROPOSED METHODS AND OPERATIONS OF THE DEMOLITION TO THE OWNER OR BUILDING
- MANAGER PRIOR TO THE START OF WORK. INCLUDE A SCHEDULE FOR COORDINATION OF SHUT-OFFS, SERVICE INTERRUPTIONS, CAPPING, ETC. OWNER OR ARCHITECT ASSUMES NO RESPONSIBILITY FOR ACTUAL 20.
- CONDITIONS OF WORK TO BE DEMOLISHED. ALL EXISTING CONDITIONS FOR PURPOSES OF BIDDING SHALL BE EXAMINED AND 21. VERIFIED DURING THE SITE WALK-THROUGH. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO
- OCCUPANCIES OR OCCUPIED FACILITIES. INSURE SAFE PASSAGE OF PERSONS AROUND AREA OF DEMOLITION. CONDUCT OPERATIONS TO PREVENT INJURY TO ADJACENT

INSURE MINIMUM INTERFERENCE WITH OTHER ADJACENT

DEMOLITION PLAN

OCCUPANCIES.

- ALL DEMOLITION WORK TO CONFIRM WITH ALTERATION AGREEMENT 12. KEEP ALL CORRIDORS, EGRESS ROUTES, AND EMERGENCY EXITS CLEAR OF DEBRIS, DEMOLITION MATERIALS, TOOLS, ETC. 13. PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS AT NO COST TO OWNER.
 - 14. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN. KEEP IN SERVICE AND PROTECT DURING DEMOLITION OPERATIONS. DEMOLITION WORK IS NOT TO INTERRUPT EXISTING UTILITIES SERVICE OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO
 - EXISTING UTILITIES AS ACCEPTABLE TO GOVERNING AUTHORITIES. PRIOR TO ALL WORK OF THIS SECTION, CAREFULLY INSPECT THE EXISTING CONDITIONS AND VERIFY THAT MATERIALS AND SURFACES TO BE ALTERED OR REMOVED ARE THE SAME AS NOTED ON THE DRAWINGS. IN THE EVENT OF DISCREPANCY, IMMEDIATELY NOTIFY THE ARCHITECT. DO NOT PROCEED WITH DEMOLITION IN AREAS OF

23.

- RESOLVED. DO NOT BURN MATERIALS OR DEBRIS ON PREMISES.
- BREAK DEMOLISHED PLASTER OR MASONRY MATERIALS INTO SMALL PIECES AND SET DOWN TO AVOID ANNOYANCE FROM DUST. DO NOT DROP OR THROW MATERIALS FROM ANY HEIGHT. CUT OUT EMBEDDED ANCHORAGE AND ATTACHMENT ITEMS AS REQUIRED TO PROPERLY PROVIDE FOR PATCHING AND REPAIR OF

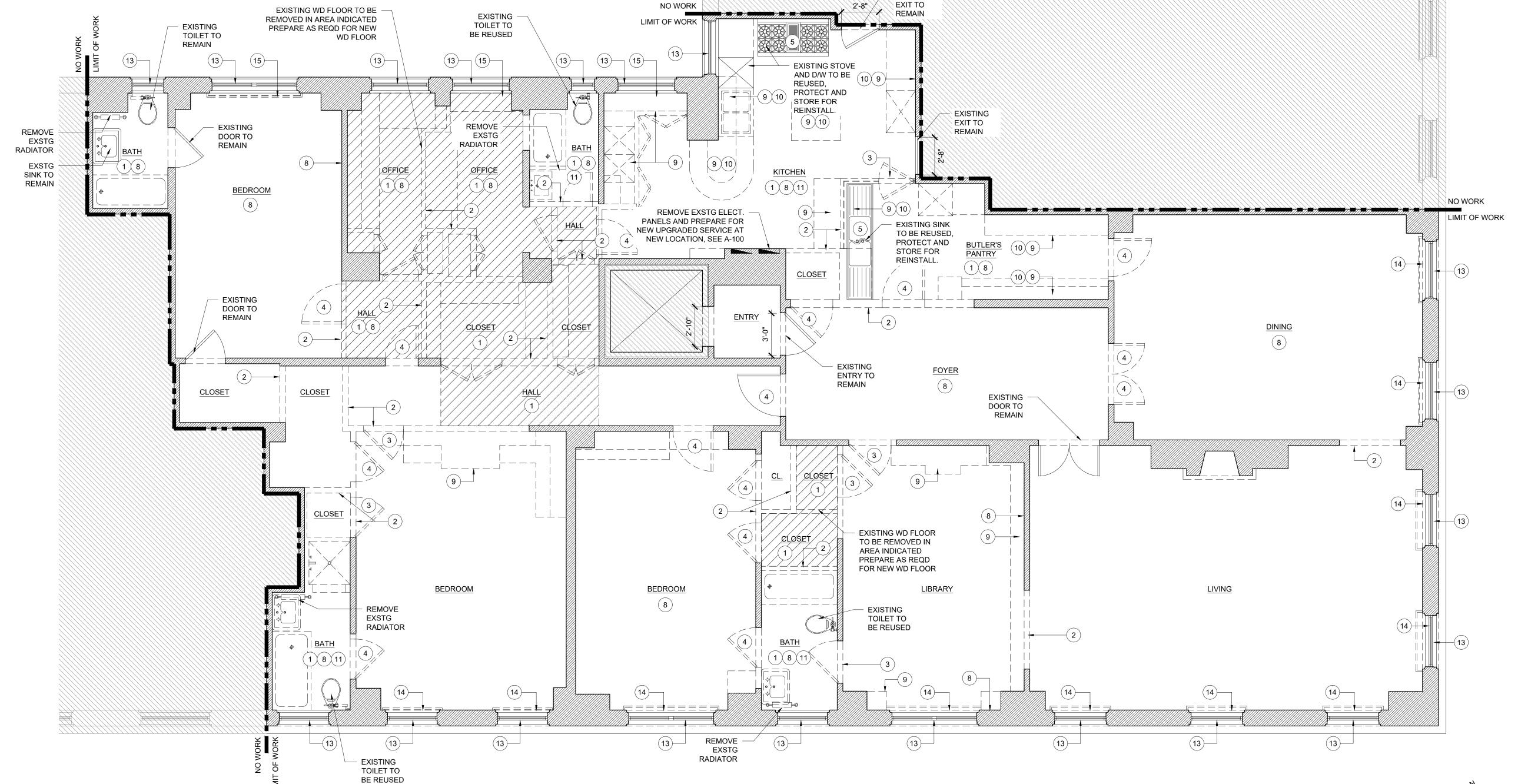
DISCREPANCY UNTIL ALL SUCH DISCREPANCIES HAVE BEEN FULLY

- THE RESPECTIVE FINISHES. POLLUTION CONTROLS: USE TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT,
- AND DEBRIS CAUSED BY DEMOLITION OPERATIONS, AS DIRECTED BY ARCHITECT OR BUILDING MANAGEMENT. RETURN ADJACENT AREAS TO CONDITION EXISTING PRIOR TO START OF WORK. 22. AT CONTRACTOR'S OWN EXPENSE, CONTRACTOR SHALL
- IMMEDIATELY RESTORE TO SERVICE AND REPAIR ANY DAMAGE CAUSED BY CONTRACTOR'S WORKMEN TO EXISTING PIPING AND CONDUITS, WIRES, CABLES, ETC, OF UTILITY SERVICES OR OF FIRE

PROTECTION SYSTEMS AND COMMUNICATIONS SYSTEMS WHICH ARE INDICATED ON THE DRAWINGS AND WHICH ARE NOT SCHEDULED FOR DISCONTINUATION OR ABANDONMENT. SCHEDULE DUMPSTERS AND/OR FREIGHT ELEVATOR USE WITH BUILDING MANAGEMENT. THE APPROPRIATE FORMS MUST BE USED

- AND SIGNED BY A DESIGNATED REPRESENTATIVE. SEAL ALL PENETRATIONS OF FIRE RATED PARTITIONS AND FLOORS USING APPROVED METHODS AND MATERIALS. USE ONLY A CERTIFIED ASBESTOS ABATEMENT CONTRACTOR TO REMOVE V.A.T. TILE AND CARPET. DO NOT CONTINUE ANY
- DEMOLITION THAT WOULD CAUSE ASBESTOS TO BE AIRBORNE. CONTACT BUILDING MANAGEMENT TO OBTAIN A CERTIFIED ASBESTOS ABATEMENT CONTRACTOR, ACCORDING TO PORT AUTHORITY'S DIRECTIVE.
- ALL LIFE SAFETY SYSTEMS SHALL BE MAINTAINED IN FULL WORKING ORDER DURING DURATION OF WORK. NO STRUCTURAL ELEMENTS SHALL BE REMOVED OR ALTERED. THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER
- PROTECTION FOR THE BUILDING AND ITS CONTENTS DURING THE COURSE OF WORK. ALL OPENING IN ANY WALL, WINDOW OR ROOF SHALL BE PROTECTED FROM ALL FORMS OF WEATHER OR WATER

EXISTING



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1220 PARK AVE. APT 4B NEW YORK, NY 10128

CECILIA ARTACHO OH & KENNEY OH 1220 PARK AVE. APT 4B NEW YORK, NY 10128

ARCHITECT

DAVIES TOEWS ARCHITECTURE 448 E. 13TH STREET, STOREFRONT NEW YORK, NY 10009 TEL: (718) 222-1202

CODE CONSULTANT JAM CONSULTANTS, INC. 104 WEST 29TH STREET, 9TH FLOOR NEW YORK, NY 10001 TEL. (212) 244-4427

MECHANICAL ENGINEER HAMILTON AIR. 262 WEST 38TH STREET #301 NEW YORK, NY 1018-5808 TEL. (212) 682-2710

PLUMBING AND ELECTRICAL ENGINEER GREEN SOLUTIONS ENGINEERING AND ENERGY MANAGEMENT CONSULTING ENGINEERS, PC 104-15 95TH AVE OZONE PARK, NY 11416 TEL. (917) 362-6719

LEGEND

- EXISTING BUILDING, NOT IN SCOPE
 - EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED

GENERAL NOTES

ALLOWED.

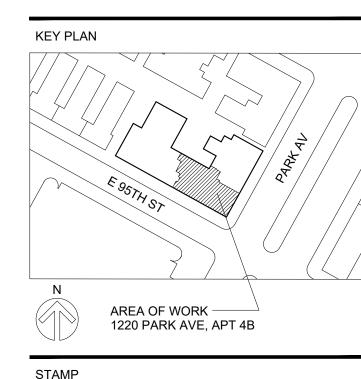
- 1. SEE G-000 FOR ADDITIONAL NOTES AND
- GENERAL REQUIREMENTS.
- 2. NO CUTTING OR CHANNELING OF BUILDING STRUCTURE PERMITTED.
- 3. SALVAGE ALL EXISTING DOORS FOR REUSE, U.O.N.

DEMOLITION KEYNOTES

- REMOVE EXISTING FLOOR FINISH. PREPARE FOR NEW FLOORING, LEVEL AS REQ'D, VIF. PERLITE, PUMICE, LAVA ROCK, OR NORLITE. AGGREGATE SIZE 4-16MM, MAY BE USED TO REPLACE CINDERFILL SUBLOOR IF REQD. ALL CHANGES TO BE VERIFIED WITH BUILDING'S STRUCTURAL ENGINEER. VERMICULITE IS NOT
- 2 REMOVE EXISTING PARTITIONS OR FURRING AS INDICATED.
- REMOVE EXISTING INTERIOR DOORS AND DOOR FRAMES AS INDICATED.
- (4) EXISTING INTERIOR DOOR TO BE SALVAGED FOR REUSE, PROTECT AND STORE AS REQ'D.
- EXISTING EQUIPMENT TO BE SALVAGED FOR REUSE, PROTECT AND STORE AS REQ'D.
- REMOVE EXISTING CEILING FINISH AND NON-STRUCTURAL CEILING FRAMING AS INDICATED. PREPARE FOR NEW CEILING FINISH AS REQ'D, VIF.
- REMOVE EXISTING MOLDING, BASEBOARD, TRIM AND CASING AS INDICATED.
- REMOVE EXISTING LIGHTING FIXTURES THROUGHOUT.
- REMOVE EXISTING CABINETRY AND BUILT-IN
- SHELVING THROUGHOUT. REMOVE EXISTING COUNTERS THROUGHOUT
- REMOVE EXISTING PLUMBING FIXTURES AS INDICATED, CAP AND REMOVE EXISTING PLUMBING AS REQ'D.
- (12) OMIT

1/4" = 1'-0"

- REMOVE EXISTING WINDOW(S) AND WINDOW A/C/ UNITS. PREPARE OPENING FOR NEW WINDOW AS REQ'D, VIF.
- (14) EXISTING RADIATOR TO REMAIN, EXISTING ENCLOSURE TO BE REMOVED, CONTRACTOR TO V.I.F.
- EXISTING RADIATOR TO BE REMOVED. PREPARE FOR NEW RADIATOR AT NEW LOCATION PER MECHANICAL



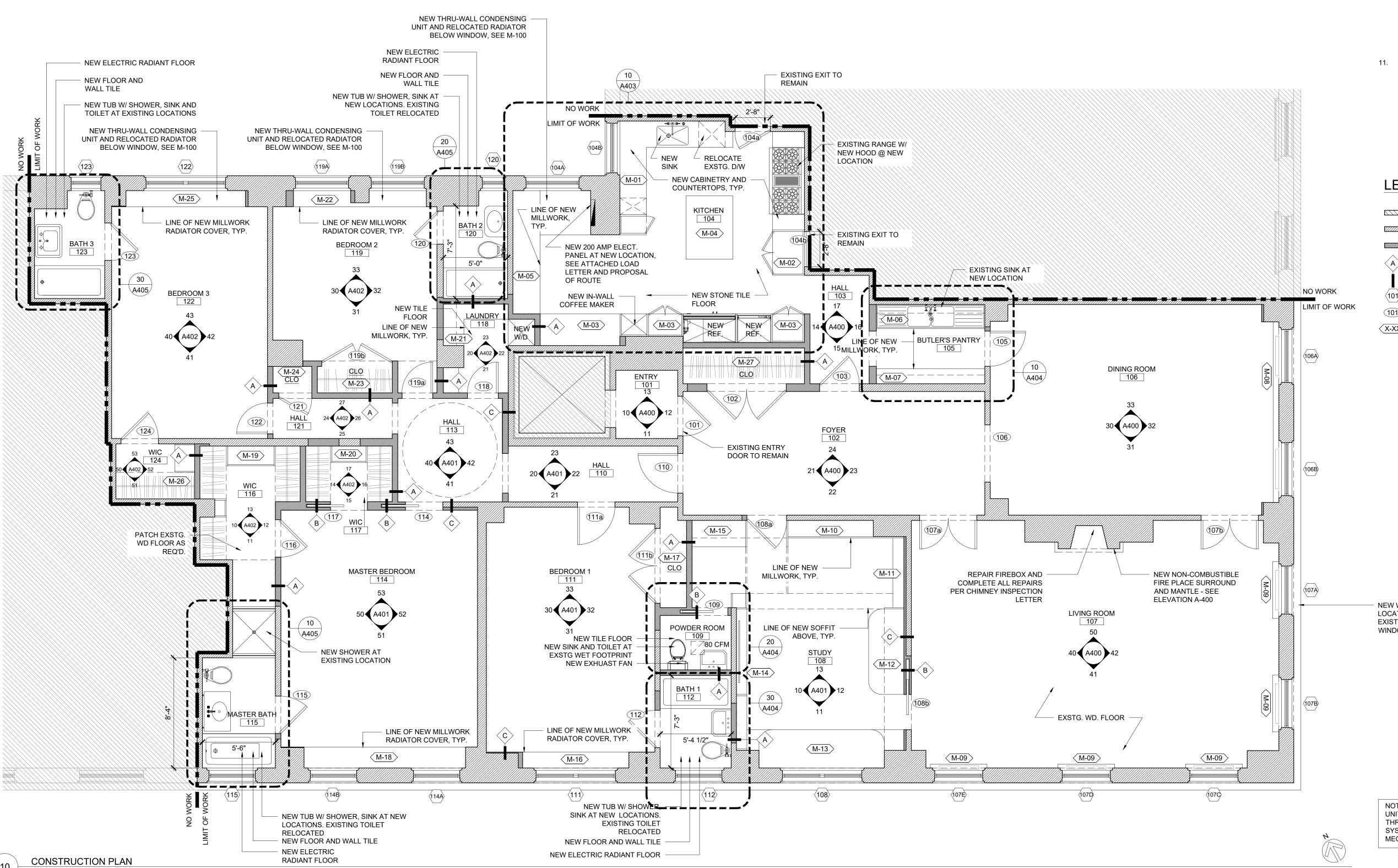
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PRELIMINARY BID	06/12/2017
ISSUE	DATE

DEMOLITION PLAN

PROJECT NO: 1701 SCALE: 1/4"=1'-0" SHEET NUMBER

DM-100.00



GENERAL NOTES

- SEE G-000 FOR ADDITIONAL NOTES AND GENERAL REQUIREMENTS.
- FINAL DIMENSIONS AND LOCATIONS TO BE CONFIRMED WITH ARCHITECT IN FIELD.
- CONFIRMED WITH ARCHITECT IN FIELD.

 3. NO CUTTING OR CHANNELING OF
 BUILDING STRUCTURE IS PERMITTED.
- 4. MAINTAIN ALL EXISTING FIRESTOPPING.
 PROVIDE NEW FIRESTOPPING AS
 REQUIRED PER NYC BUILDING CODE. GC
 TO VERIFY FIELD CONDITIONS PRIOR TO
 DEMOLITION AND CONSTRUCTION.
 5. ALL RADIATORS TO HAVE REMOVABLE
- DEMOLITION AND CONSTRUCTION.

 5. ALL RADIATORS TO HAVE REMOVABLE COVERS / ENCLOSURES
- 6. LOW VOC PAINT AND FLOOR FINISHES TO BE USED THROUGHOUT.
 7. REINFORCEMENT FOR THE FUTURE PLACEMENT OF GRAB BARS TO BE
- INSTALLED AT ALL BATHROOMS PER ADA REQUIREMENTS.

 8. ALL WOOD USED FOR BLOCKING OR SUPPORT TO BE FIRE-TREATED. TREATMENT METHOD MUST BE
- COMPOSED OF NON-TOXIC MATERIALS.

 9. ALL WALLS MUST BE COMPLETELY
 SHEATHED AND ALL OPENINGS IN BLOCK
 WALLS MUST BE PATCHED OR PLASTERED
 PRIOR TO THE INSTALLATION OF
 CABINETRY.
- 10. UPON REMOVAL OF BASEBOARDS, ALL WALLS TO BE CHECKED TO ASSURE SURFACES ARE COMPLETELY SHEATHED OR PLASTERED PRIOR TO INSTALLATION OF NEW BASEBOARDS. THE INTEGRITY OF THE FIRE RATING OF ALL DEMISING WALLS MUST BE MAINTAINED TO ASSURE PETS ARE CONTROLLED AND SOUND RATINGS BETWEEN PARTITIONS ARE MAINTAINED.
- 11. ALL COLUMNS TO BE MAINTAINED AT 4 HR
 FIRE RATING, ALL FLOOR BEAMS TO BE
 MAINTAINED AT 3HR FIRE RATING. ANY
 ALTERATION TO FIRE RATED
 ENCLOSURES MUST BE RESTORED IN
 KIND. BUILDING SHAFTS ARE 2HR RATED
 OR MORE. EXISTING FIRE RATING OF ALL
 CONDITIONS IS TO BE MAINTAINED IN THE
 SAME MATERIALS ORIGINALLY USED. ANY
 UNCOVERED UNSAFE CONDITIONS ARE
 TO BE REPAIRED PRIOR TO CLOSURE

LEGEND

- EXISTING BUILDING, OUT OF SCOPE

 EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION
- PARTITION TAG, SEE A-600

 101) WINDOW TAG, SEE G-001
 - 101 DOOR TAG, SEE A-700
- X-XX MILLWORK TAG, SEE A-700

 NEW WINDOWS AT EXISTING LOCATIONS TO REPLACE EXISTING WINDOWS, TYP. SEE WINDOW SCHEDULE G-001

NOTE: EXISTING WINDOW A/C UNITS TO BE REMOVED THROUGHOUT, NEW CENTRAL A/C SYSTEM TO BE INSTALLED PER MECHANICAL

1/4" = 1'-0"

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<u>OWNER</u>

CECILIA ARTACHO OH & KENNEY OH 1220 PARK AVE, APT 4B NEW YORK, NY 10128

ARCHITECT

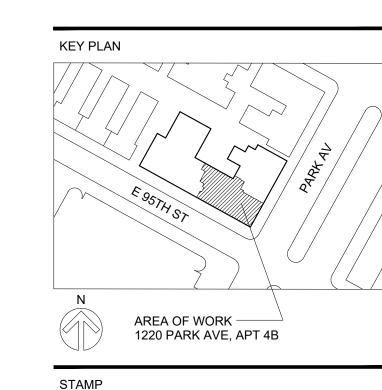
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448 E. 13TH STREET, STOREFRONT
NEW YORK, NY 10009
TEL: (718) 222-1202

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JAM CONSULTANTS, INC. 104 WEST 29TH STREET, 9TH FLOOR NEW YORK, NY 10001 TEL. (212) 244-4427

MECHANICAL ENGINEER HAMILTON AIR. 262 WEST 38TH STREET #301 NEW YORK, NY 1018-5808 TEL. (212) 682-2710

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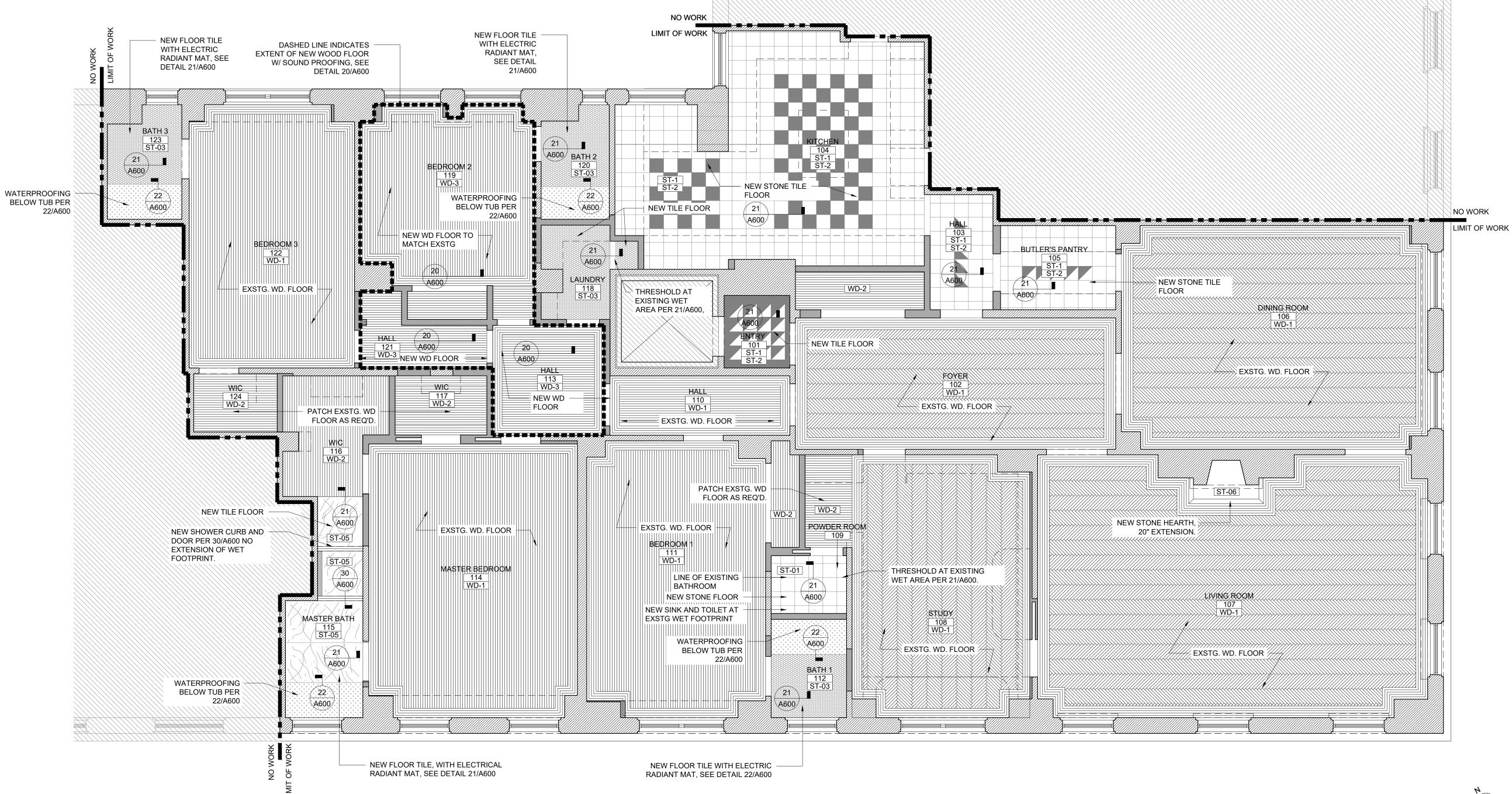
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ISSUE	DATE

CONSTRUCTION PLAN

PROJECT NO: 1701 SCALE: 1/4"=1'-0"
SHEET NUMBER

A-100.00



FINISH FLOOR PLAN

1/4" = 1'-0"

GENERAL NOTES

- 1. WATERPROOFING TO BE PROVIDED AT ALL WET LOCATIONS, SOUNDPROOFING IS REQ'D BELOW ALL RENOVATED FLOORS AND ADDITIONAL WATERPROOFING / SOUNDPROOFING MEASURES MUST BE MADE FOR WET OVER DRY AREAS AS IF REQ'D. PROVIDE FULL WATERPROOFING (WP) AND SOUNDPROOFING (SP) IN ORDER TO PROTECT THE AREA BELOW.
- 2. ALL WET ROOMS TO RECEIVE STANDARD WP AND SP DETAILS. WP SYSTEM BY LATICRETE (9235 OR APPROVED EQUAL) IS RECOMMENDED FOR WP. GENIEMAT RST-10 IS RECOMMENDED FOR SP.
- MODIFICATIONS TO ENTRY DOOR AND SADDLE NOT PERMITTED
- 4. NAILS / FASTENERS MAY NOT PENETRATE WP OR SP PRODUCTS ON AN SURFACE. REFER TO MANUF. INSTALLATION INSTRUCTIONS.
- 5. FOR PADDING BELOW AREA RUGS AND CARPETING REQUIRING SOUND PROTECTION, INSTALL 1/4" THICK
- "TRED-MOR" MODEL #2580 UNDERLAYMENT 6. ALL WP AND SP INSTALLATION TO BE INSPECTED BY BUILDING ARCH. UPON COMPLETION.
- 7. AT ALL NEW TUB / SHOWER ENCLOSURES, INSTALL WP WALLBOARD, DUROCK OR EQUIV., PER MANUF.'S GUIDELINES. IN ALL OTHER BATHROOM AREAS TO BE REPLACES PROVIDE SHEETROCK MOLD TOUGH GYPSUM PANELS BY USG OR EQUIV.
- SHOWER PAN TO BE CLAMPED AND SEALED, OR SOLDERED, INTO NEW DRAIN COLLAR AND MUST CAP OVER THE CURB EXTENDING A MIN. OF 4" UP THE WALL ABOVE T.O. CURB WHICH WILL DETERMINE HEIGHT AT THE PERIMETER SHOWER WALLS. THE DRAIN MUST HAVE WEEP HOLES. AFTER PASSING A 24 HR WATER RETENTION TEST, WITNESSED BY THE RESIDENT MANAGER, THE ENTIRE LEAD PAN MUST BE COATED WITH A SUITABLE WP MASTIC MEMBRANE PRIOR TO INSTALLATION OF THE MORTAR BED.
- 9. AVOID DIRECT CONTACT OF LEAD PAN AND PORTLAND CEMENT TO PREVENT CORROSION. LEAD PAN TO BE PROTECTED UNDERNEATH WITH TAR PAPER OR EQUIV. OVER SAND BED TO PREVENT CORROSION.
- 10. LEAD PAN TO BE COATED WITH WP MASTIC MEMBRANE PRIOR TO INSTALLATION OF THE MORTAR BED. DO NOT APPLY LATICRETE 9235 TO LEAD PAN, USE MASTIC
- ONLY, MASTERSEAL HLM 5000 OR EQUIV. 11. IF NICHES ARE TO BE PROVIDED AT TUB OR SHOWER ENCLOSURES, PROVIDE WP THROUGHOUT ENTIRE NICHE, AND EXTENDING AROUND ALL SIDES OF THE NICHE FACE TO FORM A CONT. MEMBRANE W/ THE WP AT THE SHOWER ENCLOSURE. SLOPE BOTTOM OF NICHE TO DRAIN.
- 12. ONLY WATER BASED PRODUCTS PERMITTED FOR FINISHING

LEGEND

- EXISTING BUILDING, OUT OF SCOPE
- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION
- ST-1 FLOOR FINISH TAG, SEE SCHEDULE A-700

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OWNER

CECILIA ARTACHO OH & KENNEY OH 1220 PARK AVE, APT 4B NEW YORK, NY 10128

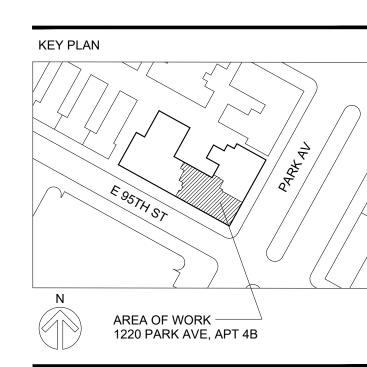
ARCHITECT DAVIES TOEWS ARCHITECTURE 448 E. 13TH STREET, STOREFRONT NEW YORK, NY 10009 TEL: (718) 222-1202

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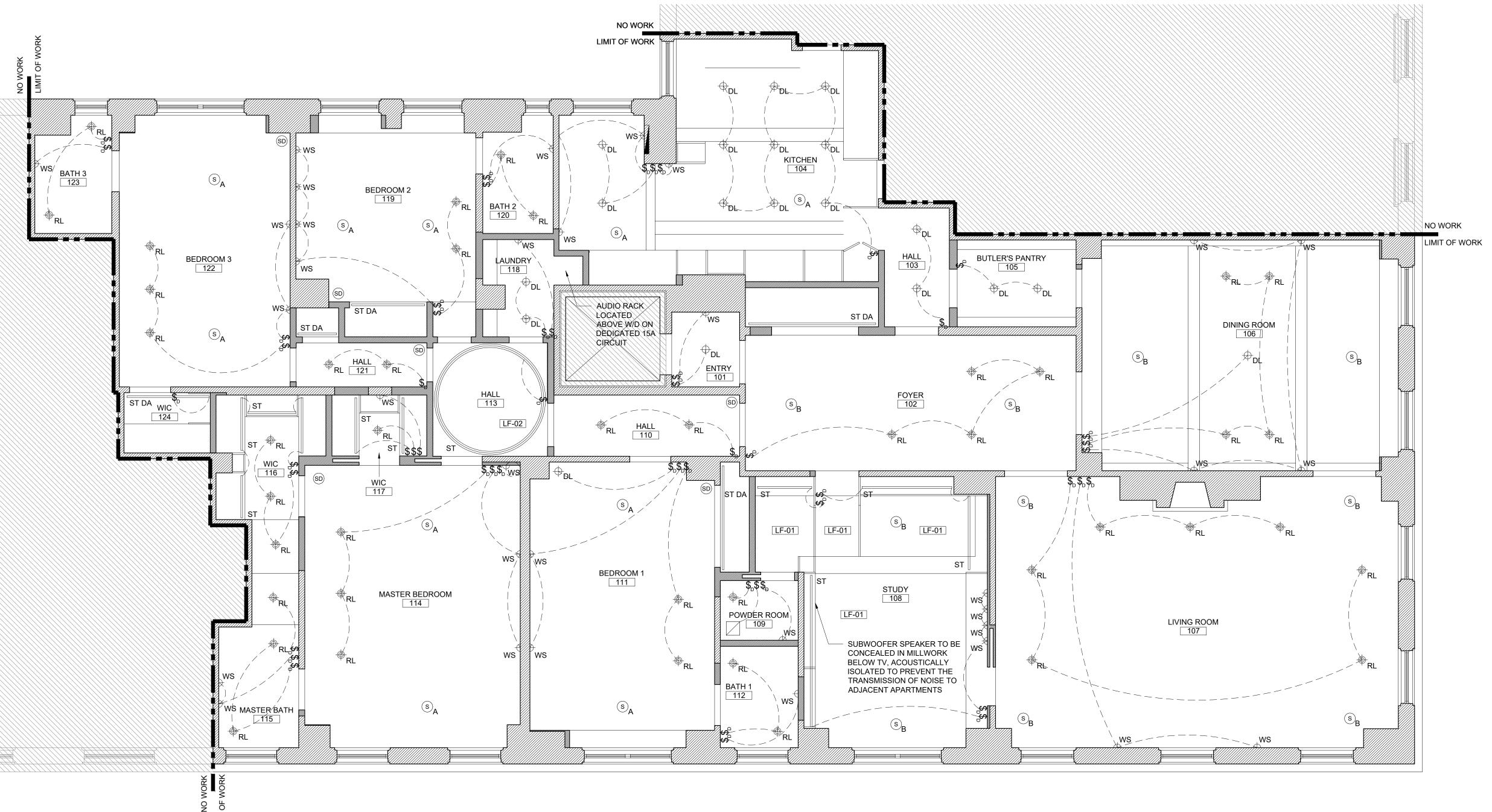
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FINISH FLOOR PLAN

SCALE: 1/4"=1'-0" PROJECT NO: 1701 SHEET NUMBER

A-110.00

PAGE 6 OF 18



REFLECTED CEILING PLAN

1/4" = 1'-0"

GENERAL NOTES

- 1. ALL HEIGHTS MEASURED FROM FINISHED FLOOR. FINAL DIMENSIONS, HEIGHTS AND LOCATIONS TO BE CONFIRMED WITH ARCHITECT IN FIELD
- 2. SEE 32 / A600 FOR TYPICAL SUSPENDED CEILING DETAIL.
- NO CUTTING OR CHANNELING OF BUILDING STRUCTURE IS PERMITTED
- 4. FINAL LOCATIONS OF ALL LIGHTING, ACCESS PANELS, SUPPLY AND RETURN GRILLES, AND OTHER CEILING ITEMS TO BE COORDINATED WITH ARCHITECT IN FIELD
- 5. AFTER ROUGH-IN, PRIOR TO INSTALLATION, GC TO CONFIRM ALL FINAL SWITCH LOCATIONS WITH ARCHITECT IN FIELD
- 6. ALL OUTLETS TO BE GANGED INTO A SINGLE FACE PLATE WHEREVER POSSIBLE, U.O.N. 7. ALL RECEPTACLE COVERS TO BE LUTRON WHITE OR APPROVED EQUAL
- 8. COORDINATE W/ MECH PLAN FOR NEW DUCT / PIPING LOCATIONS -- COORDINATE AS REQ'D W/ NEW SOFFITS, V.I.F.
- 9. COORDINATE RUNS AS REQ'D W/ NEW CEILING LOCATIONS & BEAM FURRING AS REQ'D 10. PROVIDE BLOCKING AT ALL CEILING PENDANT FIXTURES.
- 11. WHERE DUCTWORK IS CONCEALED IN CELINGS OR WALLS, ACCESS DOORS ARE TO BE PROVIDED TO CLEANOUTS, MIN. 12IN. X 12IN. IN
- 12. ANY PROPOSED ADDITIONAL ELECTRICAL FIXTURES WILL BE WIRED AND CIRCUITED SO THAT THERE IS NO OVERLOADING OF THE MAIN CIRCUIT OF THE APARTMENT OR BUILDING. 13. DURING CONSTRUCTION, THERE IS TO BE NO
- INTERFERENCE WITH THE BUILDINGS INTERCOM. SYSTEMS, INTERCOM LINES SHALL BE MODIFIED ONLY BY THE BUILDING.
- 14. COMMUNICATION SYSTEMS ARE THE RESPONSIBILITY OF THE SHAREHOLDER.
- 15. SEE ELECTRICAL DRAWINGS FOR OUTLET AND SWITCH LOCATIONS. FIREPROOFING AND FIRESTOPPING MUST BE PROVIDED AT ALL OUTLETS AT DEMISING WALLS, CHOPPING INTO FLUE WALLS OR ANY BLOCK/BRICK IS NOT ALLOWED. CONFIRM WALL THICKNESS PRIOR TO INSTALLATION. FIRE RATINGS OF WALLS ARE TO BE MAINTAINED AT ALL TIMES. NO SLAB PENETRATIONS PERMITTED
- 16. NEW ELECTRICAL PANEL LOCATION TO COMPLY WITH NEC 110.26, SEE A100, TOP BREAKER CANNOT BE ABOVE 6'-7" AFF.
- 17. LIGHT FIXTURES AT SHOWER STALLS TO BE WATERPROOF AND/OR GASKETED AND SUITABLE FOR INSTALLATION IN A WET LOCATION. PROVIDE GFCI CIRCUIT BREAKER FOR BRANCH CIRCUIT.
- 18. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

LEGEND

EXISTING BUILDING, NOT IN SCOPE

EXISTING CONSTRUCTION TO REMAIN

NEW CONSTRUCTION

→ X'-X" CEILING HEIGHT A.F.F.

SURFACE MOUNTED DOWNLIGHT

RECESSED DOWNLIGHT

── ST DA STRIP LIGHT, DOOR ACTIVATED

ST SS STRIP LIGHT, SELF SWITCH

WS WALL SCONCE

ONE-WAY SWITCH

ONE-WAY SWITCH, DIMMABLE

SMOKE & CARBON MONOXIDE DETECTOR EXHAUST VENT, SEE MECH

CEILING FAN --()-- CF

SPEAKER

SPEAKER, CONCEALED

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OWNER CECILIA ARTACHO OH & KENNEY OH

NEW YORK, NY 10128

TEL. (212) 244-4427

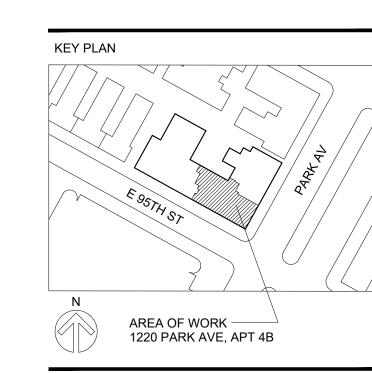
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ARCHITECT DAVIES TOEWS ARCHITECTURE 448 E. 13TH STREET, STOREFRONT NEW YORK, NY 10009

TEL: (718) 222-1202 CODE CONSULTANT JAM CONSULTANTS, INC. 104 WEST 29TH STREET, 9TH FLOOR NEW YORK, NY 10001

MECHANICAL ENGINEER HAMILTON AIR. 262 WEST 38TH STREET #301 NEW YORK, NY 1018-5808 TEL. (212) 682-2710

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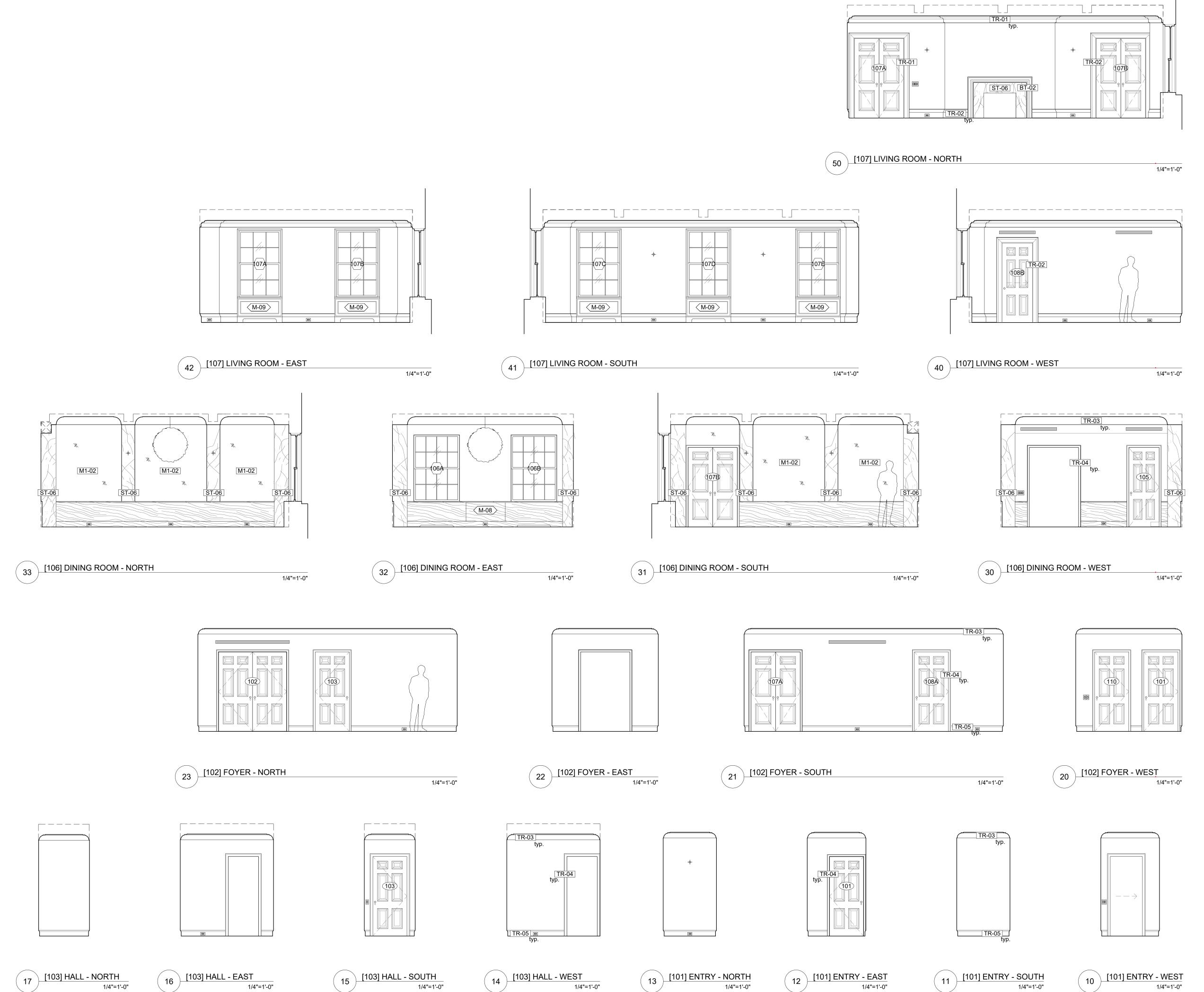
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REFLECTED CEILING PLAN

PROJECT NO: 1701 SCALE: 1/4"=1'-0" SHEET NUMBER

A-120.00

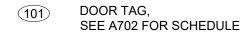
PAGE 7 OF 18



LEGEND

M-1 MILLWORK TAG,

SEE A700 FOR SCHEDULE



WINDOW TAG,

SEE A702 FOR SCHEDULE

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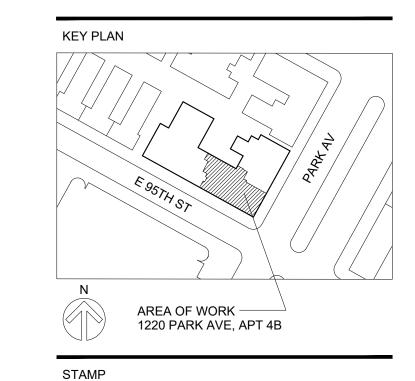
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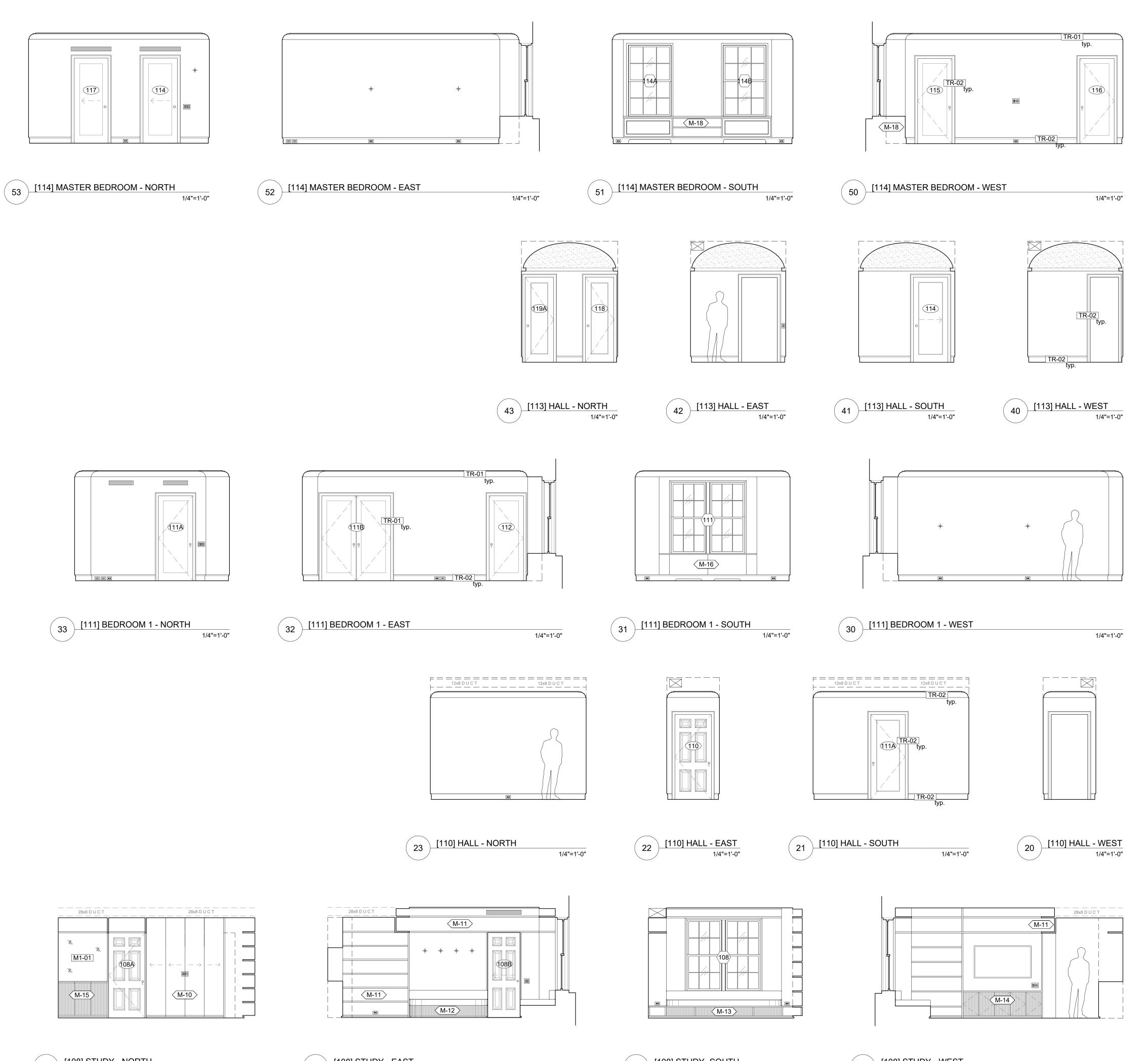
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INTERIOR ELEVATIONS 1 [101] ENTRY, [102] FOYER [103] HALL [106] DINING ROOM [107] LIVING ROOM

PROJECT NO: 1701 | SCALE: 1/4" = 1'-0" SHEET NUMBER

A-400.00



1/4"=1'-0"

LEGEND

1/4"=1'-0"

M-1 MILLWORK TAG, SEE A700 FOR SCHEDULE

DOOR TAG, SEE A702 FOR SCHEDULE

WINDOW TAG, SEE A702 FOR SCHEDULE

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CODE CONSULTANT

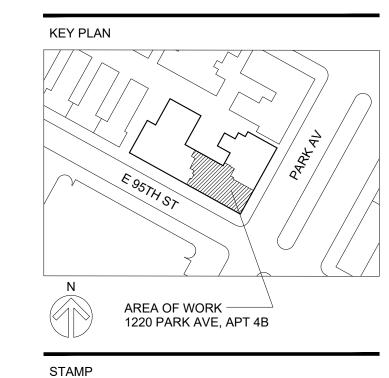
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HAMILTON AIR. 262 WEST 38TH STREET #301 NEW YORK, NY 1018-5808

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INTERIOR ELEVATIONS 2 [108] STUDY, [110] HALL

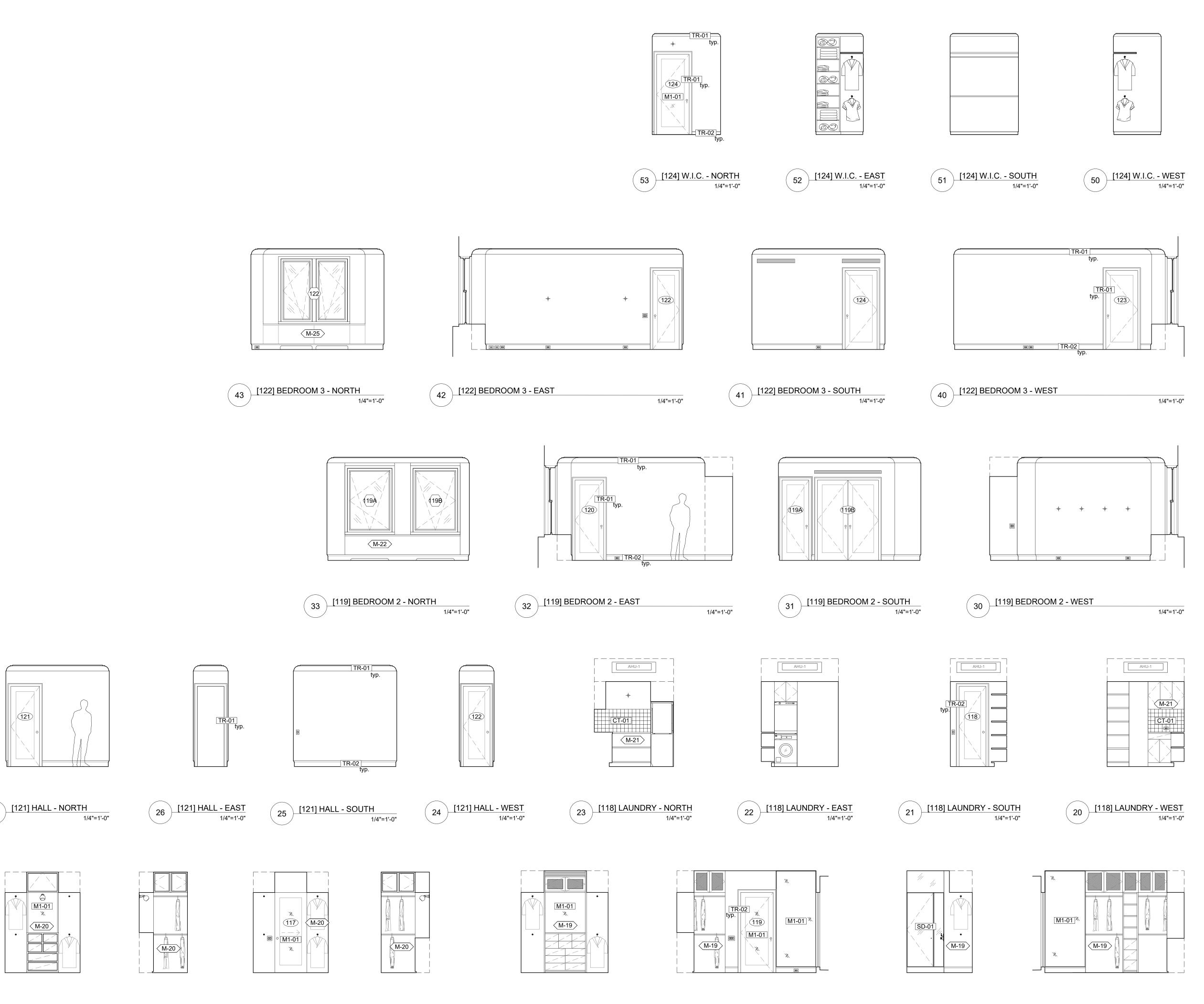
[111] BEDROOM 1

[113] HALL [114] MASTER BEDROOM

PROJECT NO: 1701 SCALE: 1/4" = 1'-0" SHEET NUMBER

A-401.00

PAGE 10 OF 18



12 [116] WALK-IN-CLOSET - EAST

LEGEND

M-1 MILLWORK TAG,

SEE A700 FOR SCHEDULE



WINDOW TAG,

SEE A702 FOR SCHEDULE

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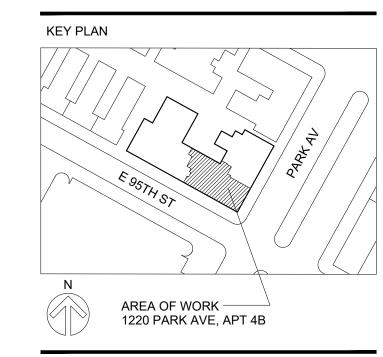
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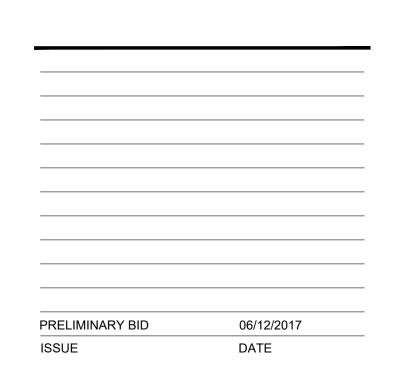
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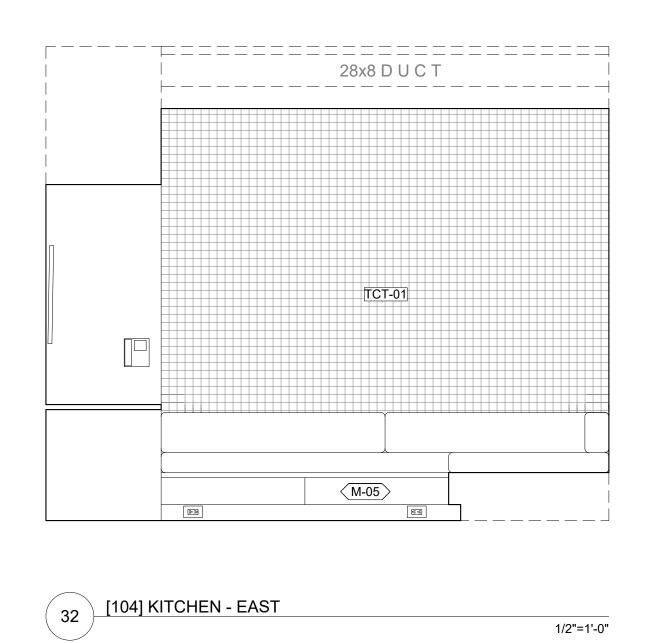


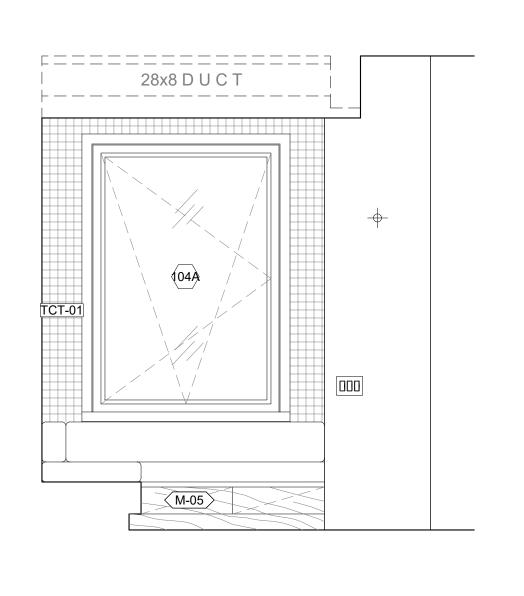
INTERIOR ELEVATIONS 3 [116] W.I.C., [117] W.I.C. [118] LAUNDRY [119] BEDRM 2, [121] HALL [122] BEDRM 3, [124] W.I.C.

PROJECT NO: 1701 SCALE: 1/4" = 1'-0"

SHEET NUMBER

A-402.00





[104] KITCHEN - NORTH

GL-01

M-02

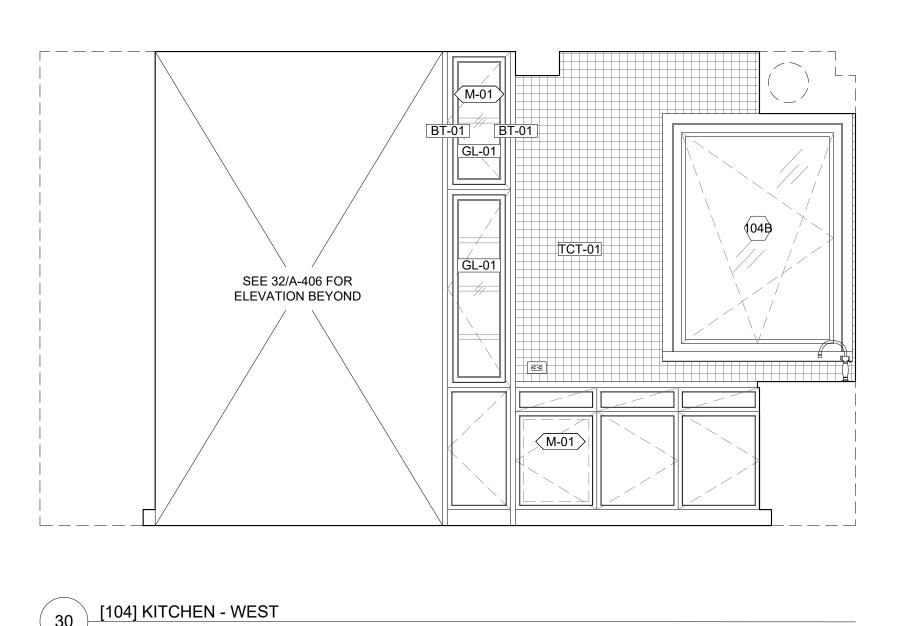
GL-01

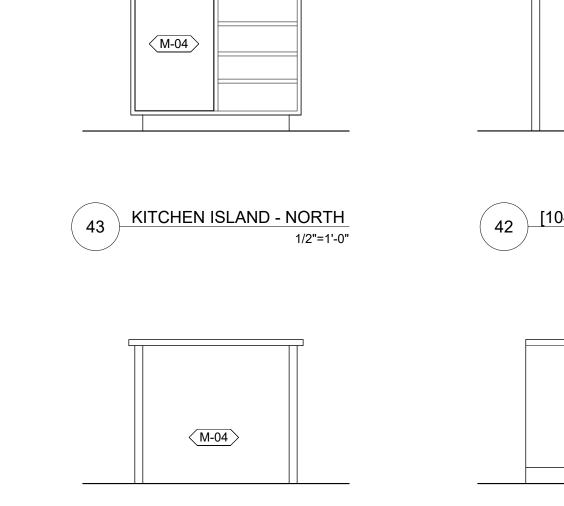
(20) [104] KITCHEN - EAST

1/2"=1'-0"

GL-01

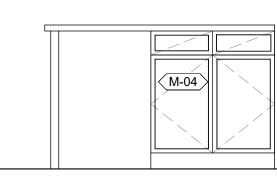
GL-01

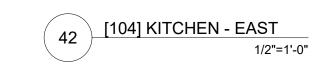


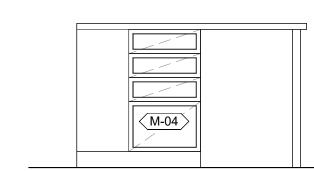


KITCHEN ISLAND - SOUTH

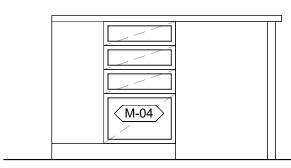
1/2"=1'-0"











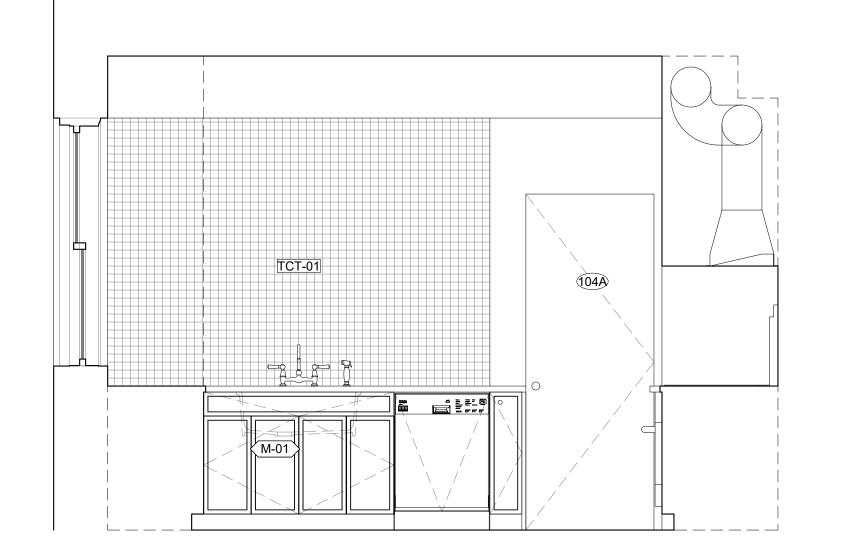






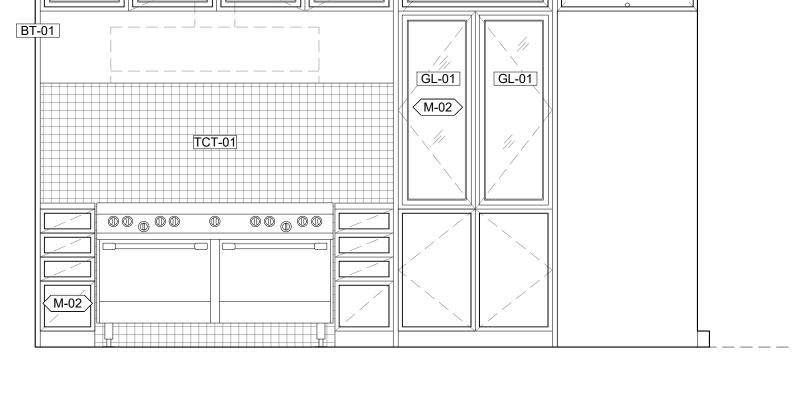




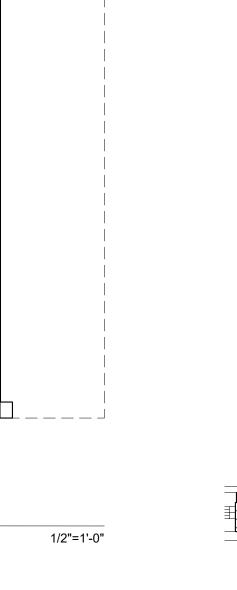


[104] KITCHEN - NORTH

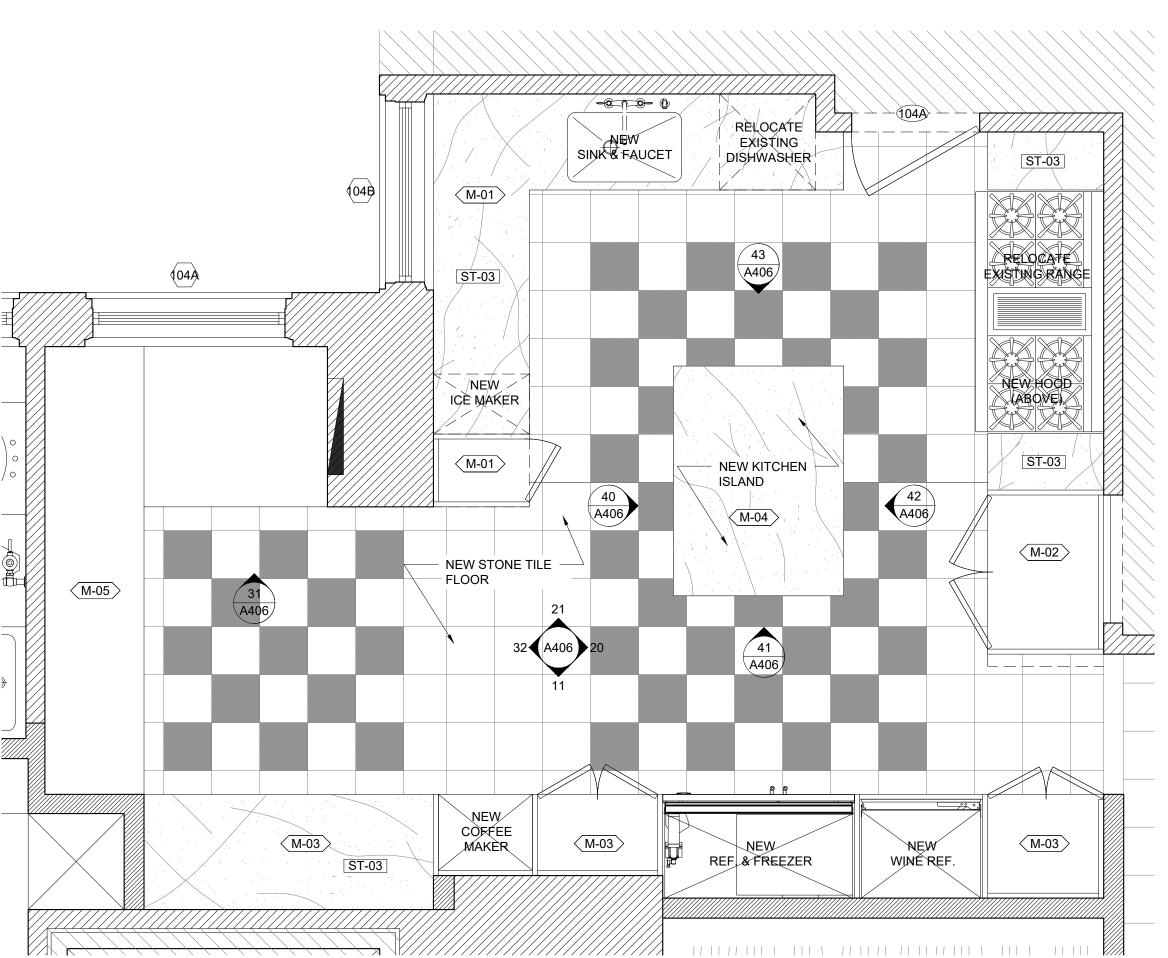
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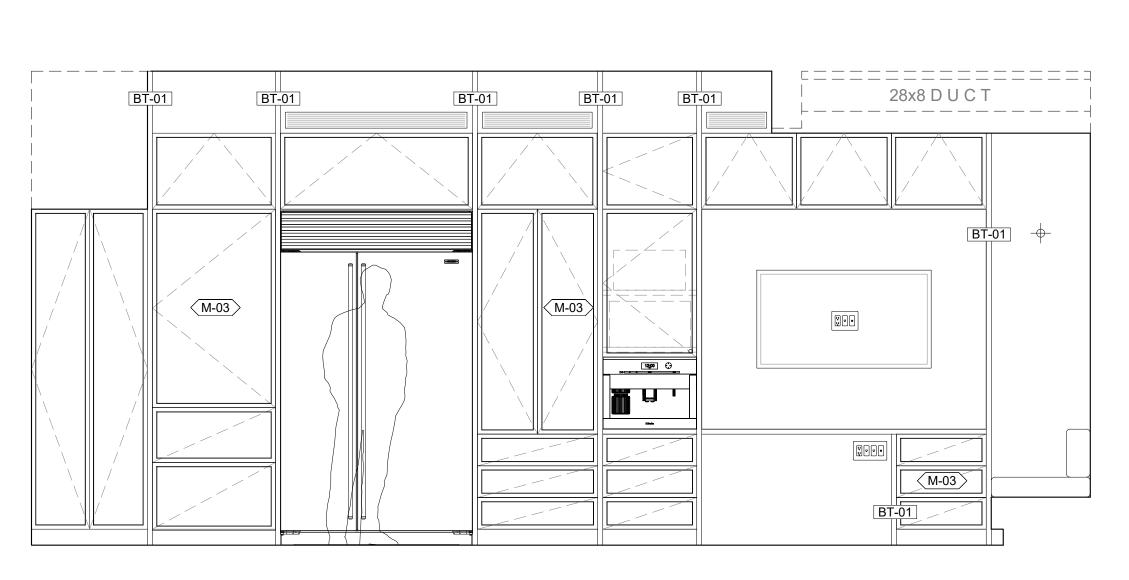


GL-01



1/2"=1'-0"





(10) [104] KITCHEN ENLARGED PLAN

Artacho / Oh Residence

1220 PARK AVE, APT 4B NEW YORK, NY 10128

CECILIA ARTACHO OH & KENNEY OH 1220 PARK AVE, APT 4B NEW YORK, NY 10128

ARCHITECT

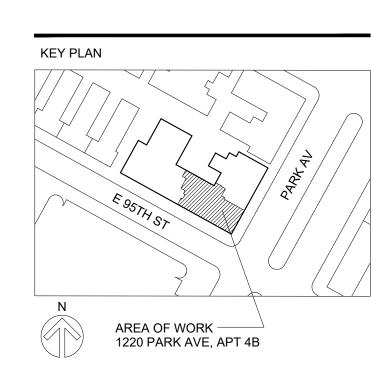
DAVIES TOEWS ARCHITECTURE 448 E. 13TH STREET, STOREFRONT NEW YORK, NY 10009 TEL: (718) 222-1202

CODE CONSULTANT JAM CONSULTANTS, INC. 104 WEST 29TH STREET, 9TH FLOOR NEW YORK, NY 10001 TEL. (212) 244-4427

MECHANICAL ENGINEER HAMILTON AIR. 262 WEST 38TH STREET #301 NEW YORK, NY 1018-5808

TEL. (212) 682-2710

PLUMBING AND ELECTRICAL ENGINEER **GREEN SOLUTIONS** ENGINEERING AND ENERGY MANAGEMENT CONSULTING ENGINEERS, PC 104-15 95TH AVE OZONE PARK, NY 11416 TEL. (917) 362-6719



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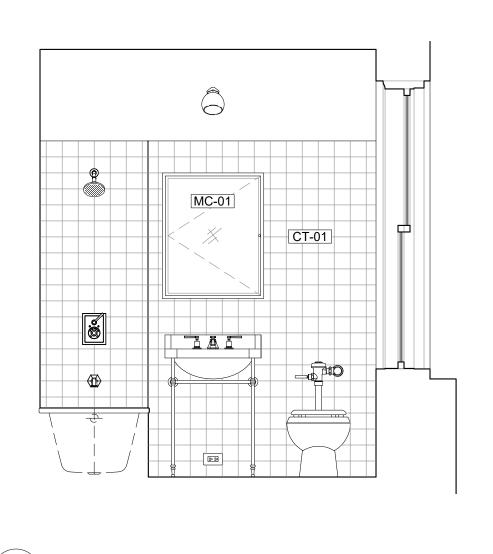
PRELIMINARY BID	06/12/2017
ISSUE	DATE
TITLE	

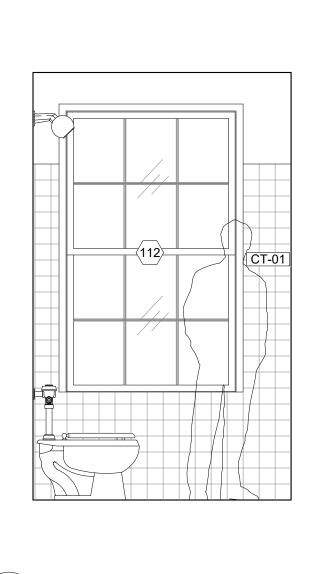
ENLARGED PLANS AND INTERIOR ELEVATIONS 1 [104] KITCHEN

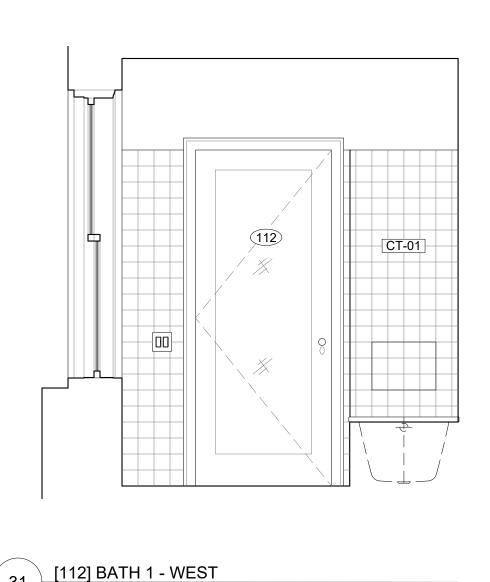
PROJECT NO: 1701 SCALE: AS NOTED SHEET NUMBER

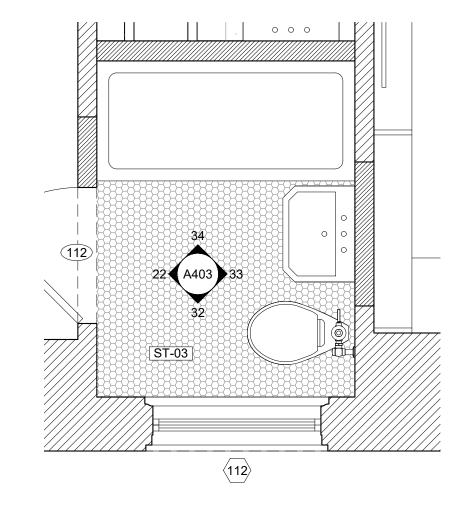
A-403.00

1/2"=1'-0"









LEGEND

M-1 MILLWORK TAG,

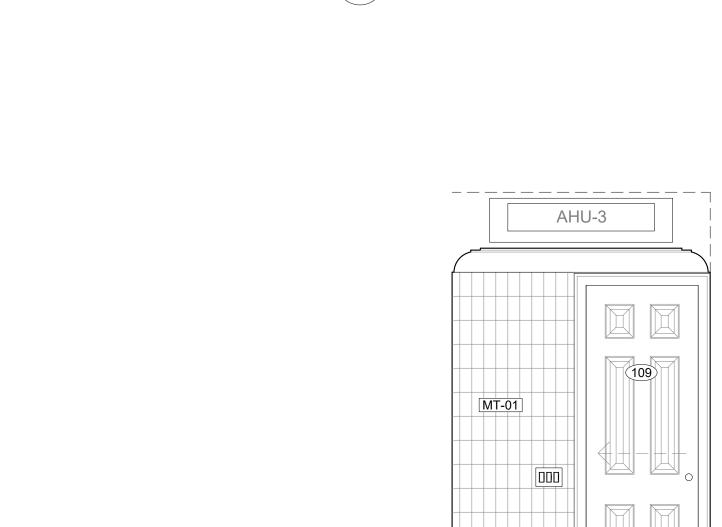
SEE A700 FOR SCHEDULE

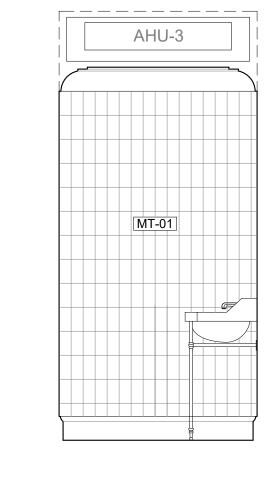
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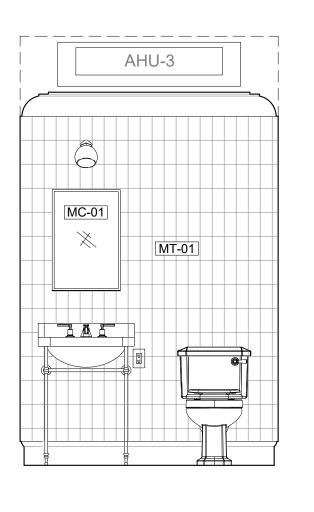
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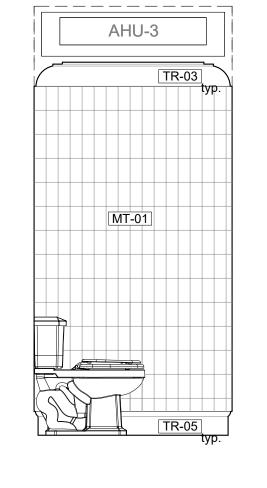
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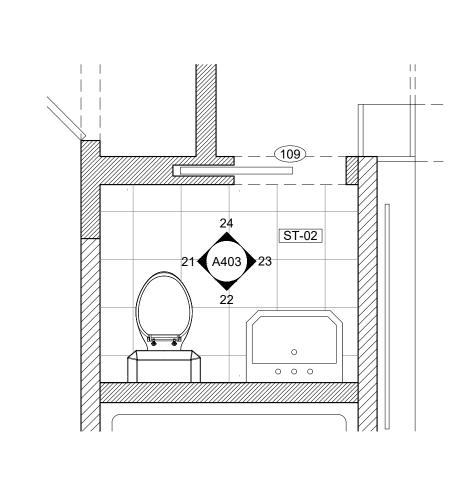


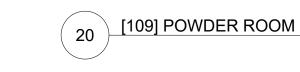


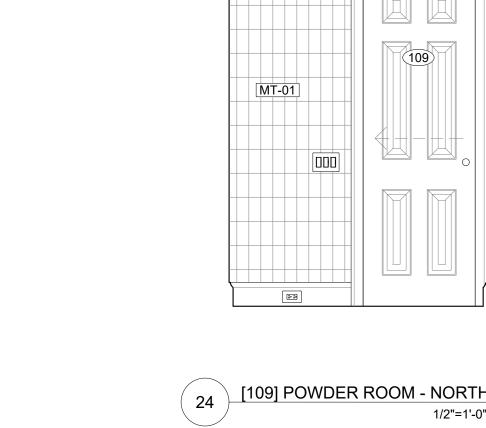


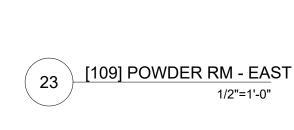


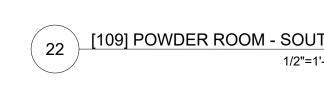
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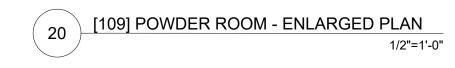


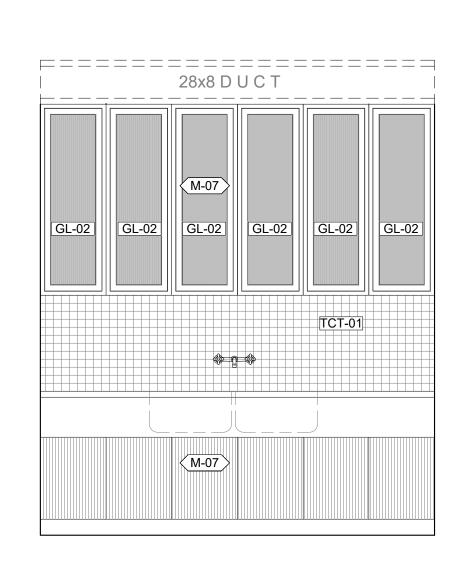




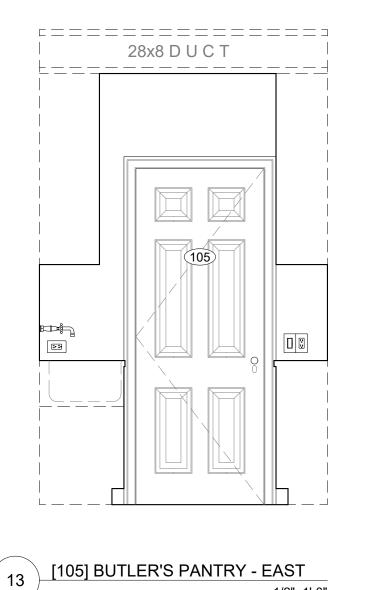


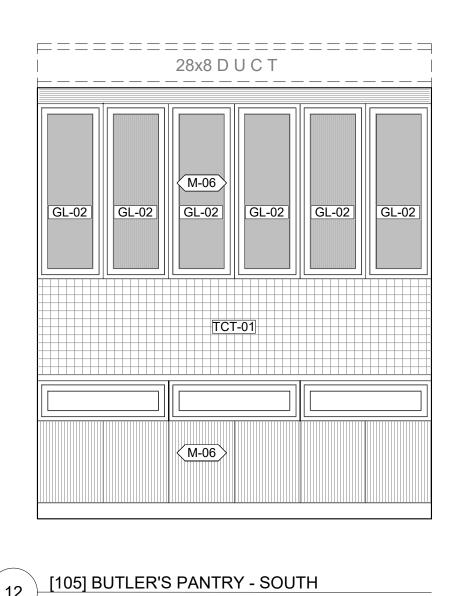


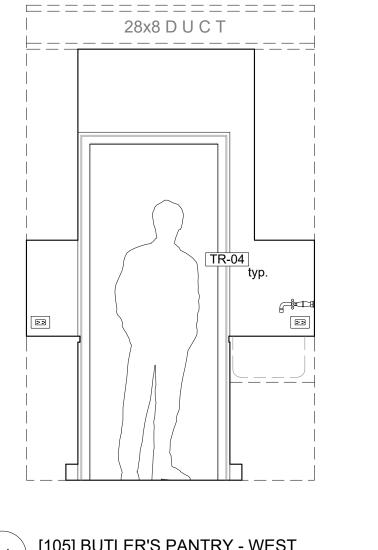


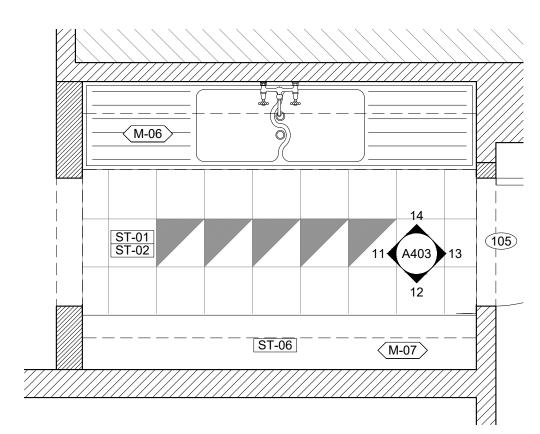


[105] BUTLER'S PANTRY - NORTH









10 [105] BUTLER'S PANTRY - ENLARGED PLAN

Artacho / Oh Residence

1220 PARK AVE, APT 4B NEW YORK, NY 10128

CECILIA ARTACHO OH & KENNEY OH 1220 PARK AVE, APT 4B NEW YORK, NY 10128

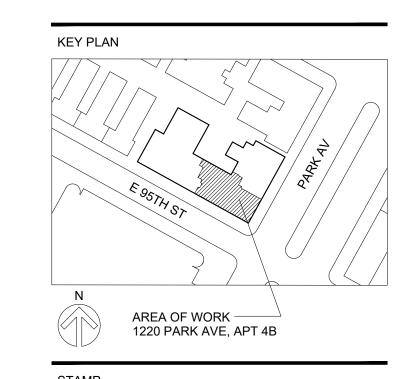
ARCHITECT DAVIES TOEWS ARCHITECTURE 448 E. 13TH STREET, STOREFRONT NEW YORK, NY 10009 TEL: (718) 222-1202

CODE CONSULTANT JAM CONSULTANTS, INC. 104 WEST 29TH STREET, 9TH FLOOR

NEW YORK, NY 10001 TEL. (212) 244-4427

MECHANICAL ENGINEER HAMILTON AIR. 262 WEST 38TH STREET #301 NEW YORK, NY 1018-5808 TEL. (212) 682-2710

PLUMBING AND ELECTRICAL ENGINEER **GREEN SOLUTIONS** ENGINEERING AND ENERGY MANAGEMENT CONSULTING ENGINEERS, PC 104-15 95TH AVE OZONE PARK, NY 11416 TEL. (917) 362-6719



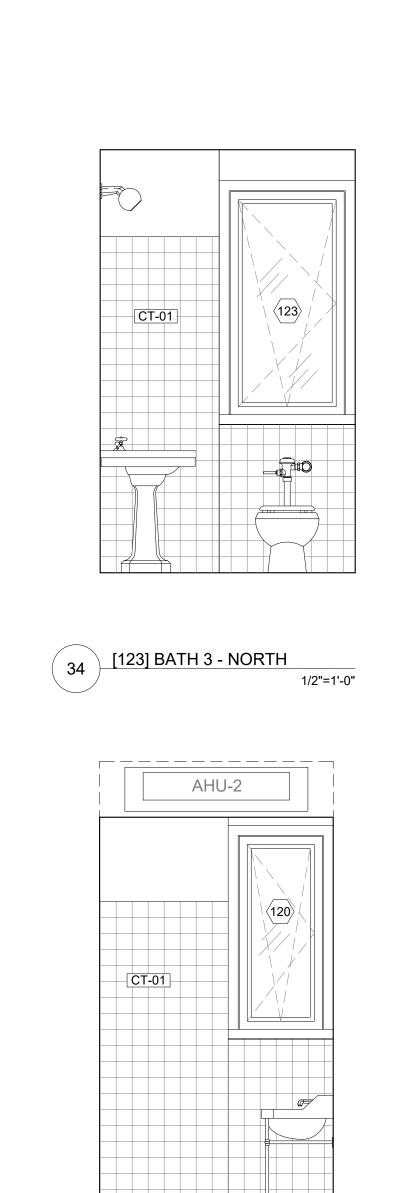
NOT FOR CONSTRUCTION

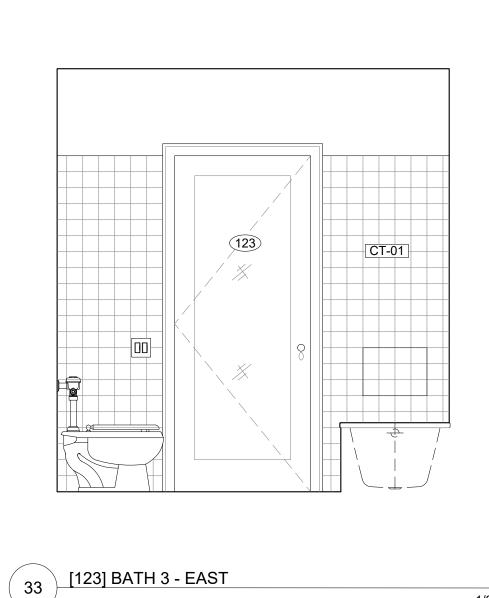
PRELIMINARY BID	06/12/2017
ISSUE	DATE

ENLARGED PLANS AND INTERIOR ELEVATIONS 1 [105] BUTLER'S PANTRY [109] POWDER ROOM [111] BATH 1

PROJECT NO: 1701 SCALE: AS NOTED SHEET NUMBER

A-404.00



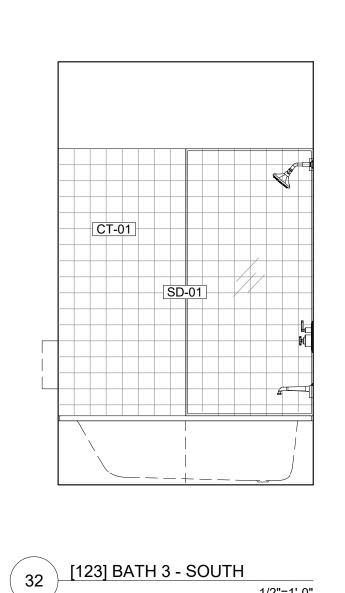


AHU-2

CT-01

1/2"=1'-0"

1/2"=1'-0"

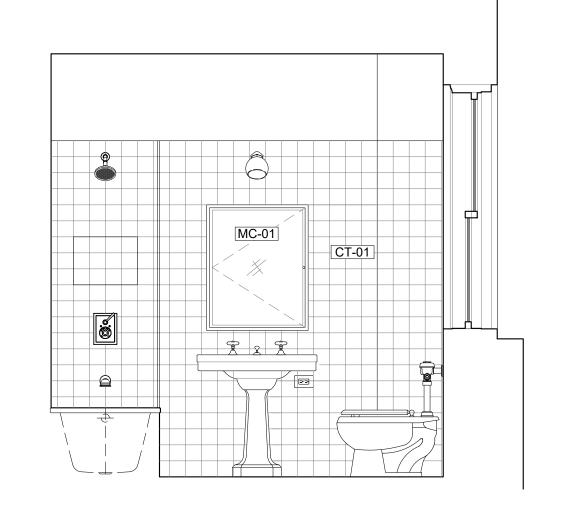


AHU-2

SD-01

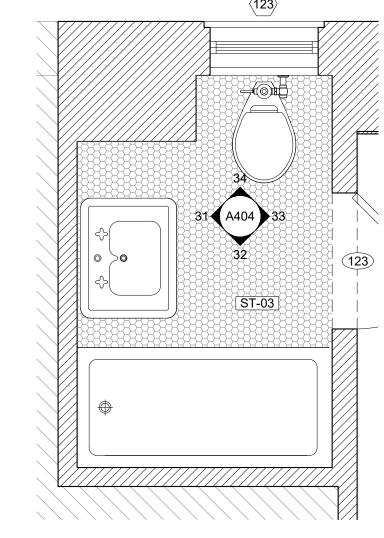
CT-01

1/2"=1'-0"



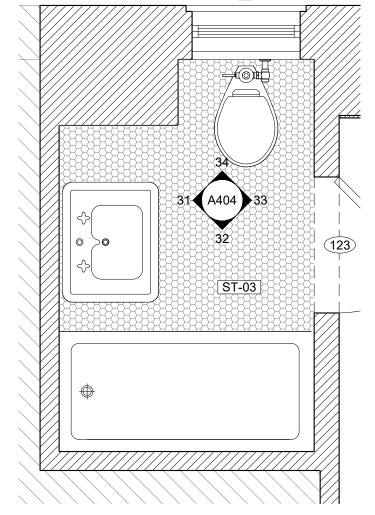
1/2"=1'-0"

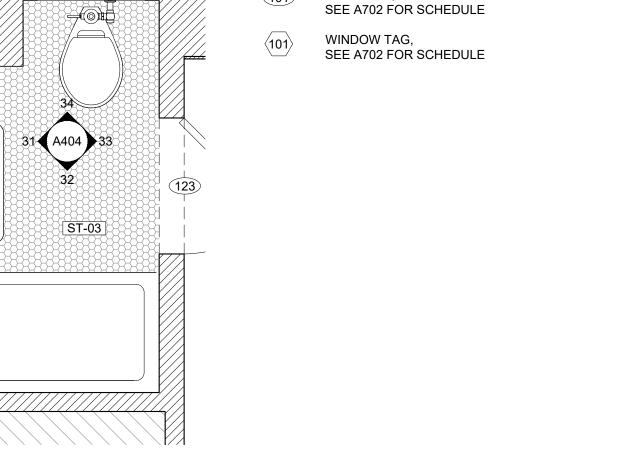
1/2"=1'-0"



[123] BATH 3 - ENLARGED PLAN

1/2"=1'-0"





LEGEND

M-1 MILLWORK TAG,

DOOR TAG,

SEE A700 FOR SCHEDULE

Artacho / Oh

Residence

1220 PARK AVE, APT 4B

CECILIA ARTACHO OH & KENNEY OH

DAVIES TOEWS ARCHITECTURE 448 E. 13TH STREET, STOREFRONT

104 WEST 29TH STREET, 9TH FLOOR

PLUMBING AND ELECTRICAL ENGINEER

ENGINEERING AND ENERGY MANAGEMENT

NEW YORK, NY 10128

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NEW YORK, NY 10009 TEL: (718) 222-1202

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HAMILTON AIR.

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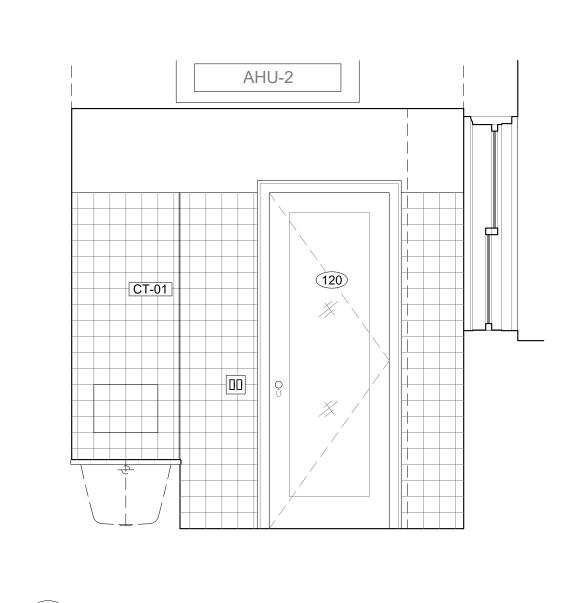
JAM CONSULTANTS, INC.

MECHANICAL ENGINEER

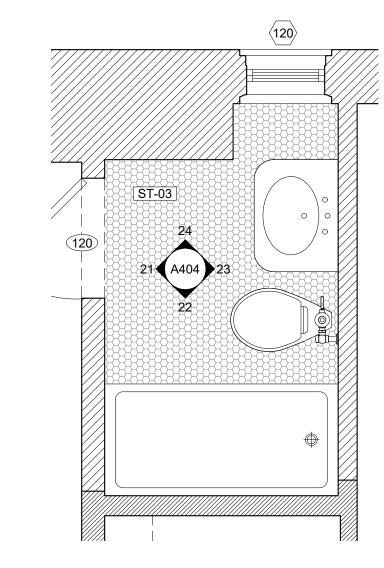
262 WEST 38TH STREET #301 NEW YORK, NY 1018-5808 TEL. (212) 682-2710

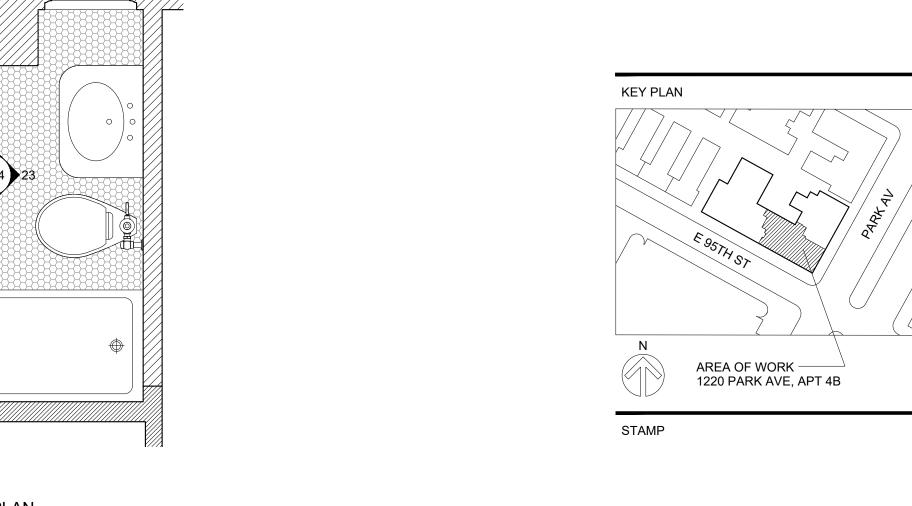
CONSULTING ENGINEERS, PC

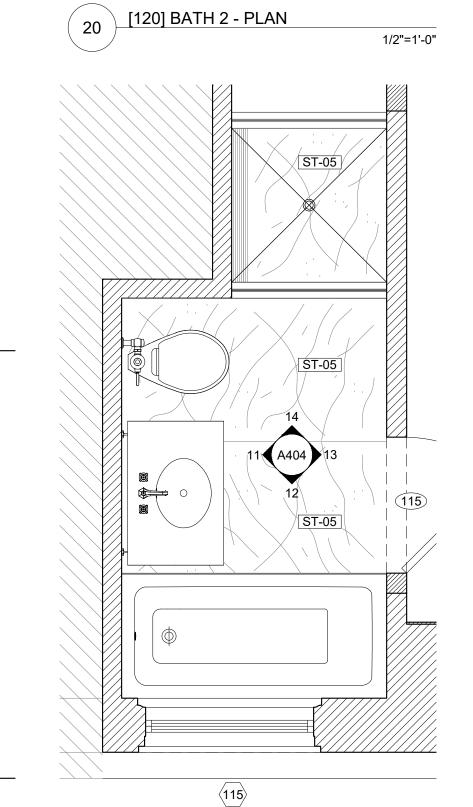
ARCHITECT



(31) [123] BATH 3 - WEST

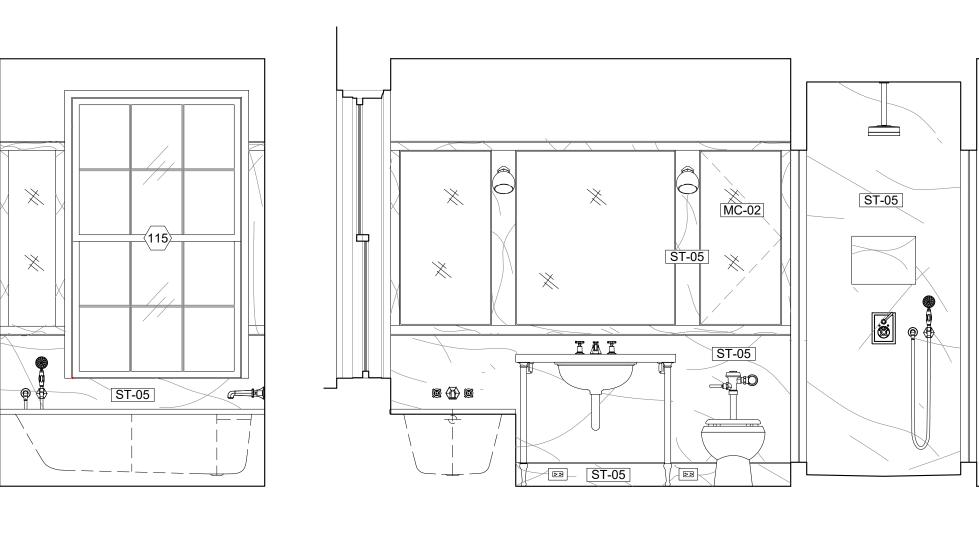




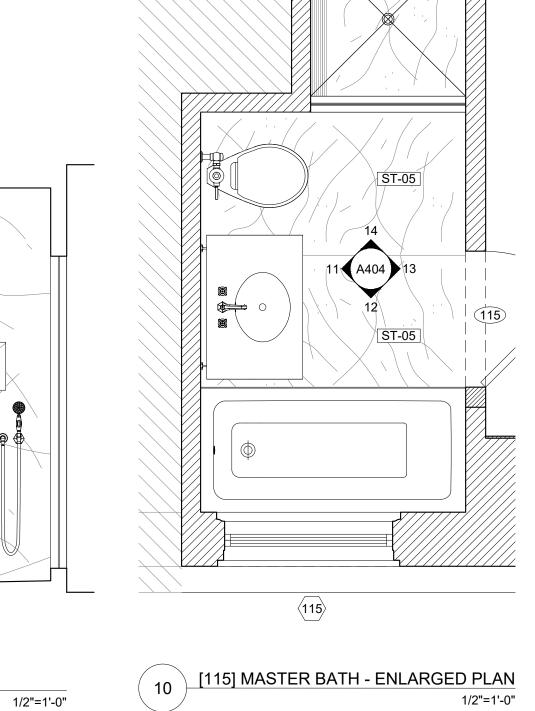




23 [120] BATH 2 - EAST



[115] MASTER BATH - WEST



ENLARGED PLANS AND INTERIOR ELEVATIONS 2 [115] MASTER BATH [120] BATH 2, [123] BATH 3

06/12/2017

DATE

PRELIMINARY BID

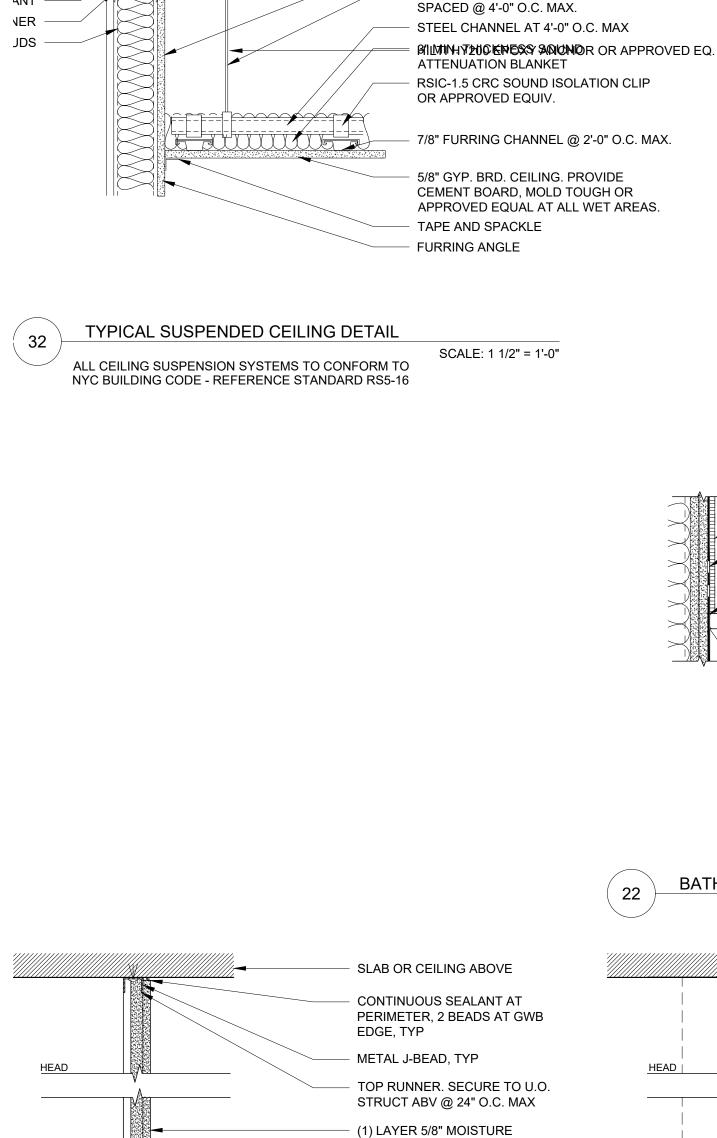
ISSUE

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SHEET NUMBER

PROJECT NO: 1701 | SCALE: AS NOTED

A-405.00



2 1/4"

RESISTANT TYPE 'X' FIRE RATED

GWB EACH SIDE, TO U.O. SLAB

LAMINATED) WITH LAMINATING

BOTTOM RUNNER. SECURE TO

SCALE: 1-1/2" = 1'-0"

SUBFLOOR @ 24" O.C. MAX.

1" GWB PANELS (SOLID /

CONTACT SURFACE.

ALIGNMENTS, VIF

BASE AS SCHEDULED

SLAB OR SUBFLOOR

PARTITION TYPE D: TWO-HOUR RATED WALL (AS REQ'D)

COMPOUND OVER ENTIRE

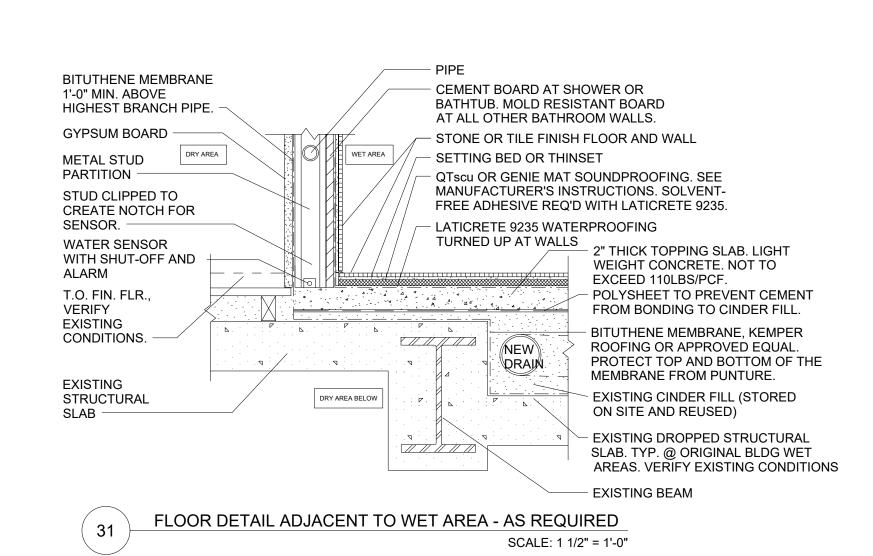
SHAFT OR CAVITY SPACE,

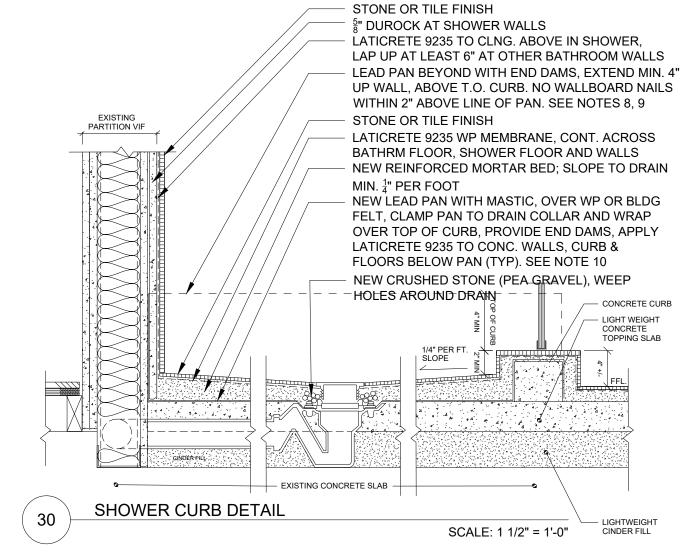
COORD. W/ MEP & PLAN

CONCRETE SLAB

GYP. BRD. PARTITION

3/8" DIA. STEEL GALV. ROD





EXISTING OR NEW WALL SEE 30/A110 FOR TYPICAL TILE WALL ASSEMBLY SCHEDULED BASE OR WALL TILE - ACOUSTICAL SEALANT LATICRETE 9235 WP, EXTEND FROM FLOOR TO CEILING TILE OR STONE ON MIN. $\frac{3}{8}$ " THINSET WARMUP STICKYMAT ELECTRIC VINYL TILING-IN BEAD RADIANT FLOOR @ BATHROOMS. SEE A-110. REFER TO MANUF. SPEC. AND INSTALLATION REQ'S. TUB AS SCHEDULED SEE A700 GENIEMAT RST-10 SOUNDPROOFING TILE OR STONE ON OR APPROVED EQUAL MIN. $\frac{3}{8}$ " THINSET LATICRETE 9235 WATERPROOFING OR APPROVED EQUAL 5" CEMENT BOARD / DUROCK CEMENT LEVELING BED AS REQ'D FIRE AND ROT RESISTANT TOP OF EXSTG. SUBFLOOR, VIF BLOCKING AS REQ'D LATICRETE 9235 WP CONTINUOUS BELOW TUB TO - EXSTG OR NEW SADDLE / FLOOR SEE 30/A110 FOR TYPICAL TILE FLOOR ASSEMBLY PERIMETER ISOLATION PER MANUF. SEALANT

SCALE: 1 1/2" = 1'-0"

SLAB OR CEILING ABOVE

EDGE, TYP

METAL J-BEAD, TYP

FACE OF EXISTING

CONSTRUCTIOIN

ELEVATIONS

ALIGNMENTS

BASE AS SCHEDULED

SLAB OR SUBFLOOR

CONTINUOUS SEALANT AT

PERIMETER, 2 BEADS AT GWB

(2)LAYERS 5/8" MOLD RESISTANT

GWB EA. SIDE, CEMENT BOARD,

MOLD TOUGH OR EQ. AT WET /

DAMP LOCATIONS. INSTALL PER

7/8" METAL FURRING CHANNELS

@ 16" O.C., LAMINATE DIRECTLY

TO EXISTING WALL IF PLUMB

SURFACE EXISTS, COORD. W/

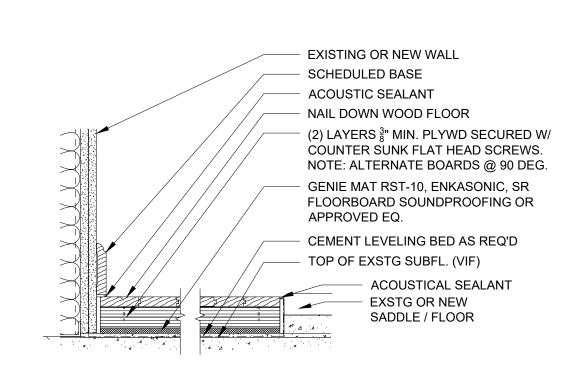
SHIM SPACE AS REQ'D FOR

PLUMB SURFACE AND/OR PLAN

SCALE: 1-1/2" = 1'-0"

MANUF. GUIDELINES. PROVIDE

BLOCKING AS REQ'D, SEE INT



BATHTUB WATERPROOFING DETAIL

PARTITION TYPE C: FURRING WALL

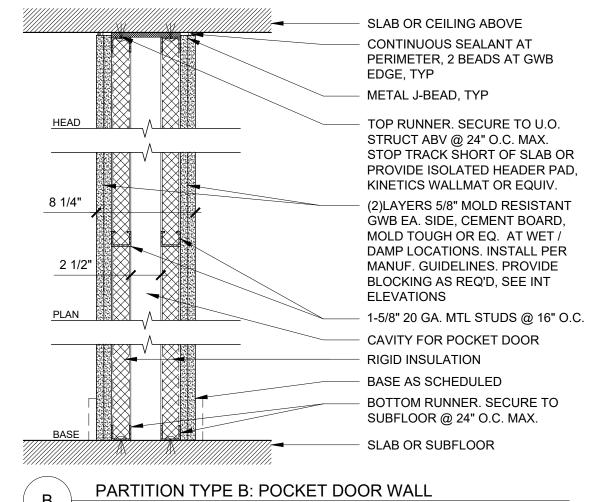
VARIES

SOUNDPROOFING / WATERPROOFING DETAIL

SCALE: 1 1/2" = 1'-0"

NEW WOOD FLOOR DETAIL

SCALE: 1 1/2" = 1'-0"



SCALE: 1-1/2" = 1'-0"

SLAB OR CEILING ABOVE CONTINUOUS SEALANT AT PERIMETER, 2 BEADS AT GWB EDGE, TYP METAL J-BEAD, TYP HEAD TOP RUNNER, SECURE TO U.O. STRUCT ABV @ 24" O.C. MAX. STOP TRACK SHORT OF SLAB OR PROVIDE ISOLATED HEADER PAD, KINETICS WALLMAT OR EQUIV. (2) LAYERS 5/8" MOLD RESISTANT GWB EA. SIDE, CEMENT BOARD, MOLD TOUGH OR EQ. AT WET / DAMP LOCATIONS. INSTALL PER 6 1/8" TYP MANUF. GUIDELINES. PROVIDE BLOCKING AS REQ'D, SEE INT **ELEVATIONS** PLAN 20 GA. MTL STUDS @ 16" O.C. 3" MINERAL WOOL BATT INSULATION BASE AS SCHEDULED BOTTOM RUNNER, SECURE TO SUBFLOOR @ 24" O.C. MAX. SLAB OR SUBFLOOR

A PARTITION TYPE A: 2-SIDED STUD WALL

SCALE: 1-1/2" = 1'-0"

Artacho / Oh Residence

1220 PARK AVE, APT 4B NEW YORK, NY 10128

OWNER
CECILIA ARTACHO OH & KENNEY OH
1220 PARK AVE, APT 4B
NEW YORK, NY 10128

ARCHITECT

DAVIES TOEWS ARCHITECTURE

448 E. 13TH STREET, STOREFRONT

NEW YORK, NY 10009

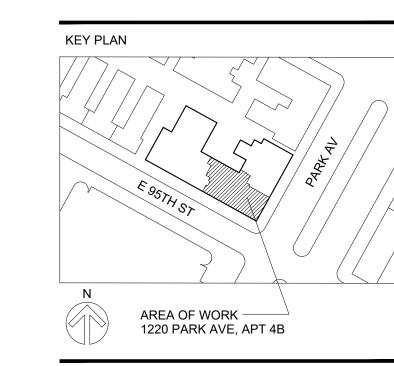
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OZONE PARK, NY 11416
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TITLE	

DETAILS

PROJECT NO: 1701 SCALE: AS NOTED SHEET NUMBER

A-600.00

PAGE 15 OF 18

STONE / TILE SCHEDULE							
TYPE	MATERIAL	MANUFACTURER	SPECIFICATION	SIZE	COLOR/FINISH	NOTES	
ST-01	NERO MARQUINO	COMPLETE TILE	3/8" STONE TILE	12" x 12"		V.I.F., SEALANT PER MANUF.	
ST-02	STATUARY WHITE MARBLE	COMPLETE TILE	3/8" STONE TILE	12" x 12"		V.I.F., SEALANT PER MANUF.	
ST-03	BIANCO DOLOMITI	ARTISTIC TILE	SBDOLPHX	1 1/4" HEXAGON TILE	POLISHED		
ST-04	STATUARY WHITE MARBLE	STONE SOURCE	1 1/4" STONE SLAB	VIF	HIGH HONED	V.I.F., SEALANT PER MANUF.	
ST-05	MARBLE	STONE SOURCE	3/4" STONE SLAB	VIF	MING GREEN		
ST-06	PIETRA CARDOZA	STONE SOURCE	3/4" STONE SLAB	VIF			
TCT-01	TERRACOTTA TILE	MOSAIC HOUSE	MDV 26	2" x 2"	PORCELAIN WHITE		
MT-01	ALUMINUM TILE	COMPLETE TILE	230-A1-704-029	3" x 6" NOMINAL	MIRROR		
CT-01	CLAY TILE	FIRECLAY TILE	WHITE WASH	4" x 4"	WHITE / GLOSS		

	WOOD FLOOR SCHEDULE							
TYPE	TYPE MATERIAL MANUFACTURER SPECIFICATION SIZE COLOR/FINISH NOTES							
WD-01	EXISTING WOOD FLOOR	N/A	WHITE OAK	N/A - HERRINGBONE		EXISTING FLOOR TO REMAIN		
WD-02	EXISTING WOOD FLOOR	N/A	WHITE OAK	N/A - STRIP FLOORING		PATCH AS REQ'D		
WD-03	NEW WOOD FLOOR		WHITE OAK	MATCH EXISTING				

	SPECIALTIES SCHEDULE									
TYPE	MATERIAL	MANUFACTURER	SPECIFICATION	SIZE	COLOR/FINISH	NOTES				
GL-01	CLEAR RESTORATION GLASS	BENDHEIM		SEE ELEV.'S						
GL-02	REEDED GLASS	BENDHEIM		SEE ELEV.'S						
MI-01	CLEAR MIRROR	ZECCA		SEE ELEV.'S						
MI-02	ANTIQUE MIRROR	ZECCA		SEE ELEV.'S						
BT-01	BRASS TRIM			SEE ELEV.'S	LACQUERED BRASS					
BT-02	BRASS TRIM			SEE ELEV.'S	UNLACQUERED BRASS	AT FIREPLACE IN [107] LIVING ROOM				
LF-01	METAL LEAF			SEE ELEV.'S/RCP	SILVER	AT CEILING IN [108] STUDY				
LF-02	METAL LEAF			SEE ELEV.'S/RCP	GOLD	AT DOME IN [113] HALL				
MC-01	MEDICINE CABINET	URBAN ARCHAEOLOGY		SEE ELEV.'S	PER PLUMBING SCHEDULE					
MC-02	MEDICINE CABINET	CUSTOM		SEE ELEV.'S		IN [115] MASTER BATH				
SD-01	SHOWER DOOR	MR. SHOWER DOOR		SEE ELEV.'S	PER PLUMBING SCHEDULE					

ROOM # / NAME	ITEM	DESCRIPTION	MANUF.	SPECIFICATION	SIZE	FINISH	NOTES
104 / KITCHEN	M-01	LOWER AND UPPER CAB'S AT SINK AND D/W	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL, GLASS PANEL& BRASS VERTICAL TRIM	V.I.F.	SATIN LACQUER	
	M-02	EAST WALL CAB'S AT STOVE	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL, GLASS PANEL& BRASS VERTICAL TRIM	V.I.F.	SATIN LACQUER	
	M-03	SOUTH WALL CAB'S AT REF., INCLUDING DESK	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL & BRASS VERTICAL TRIM	V.I.F.	SATIN LACQUER	
	M-04	KITCHEN ISLAND	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL & BRASS LEGS	V.I.F.	SATIN LACQUER	
	M-05	EAT-IN KITCHEN BANQUETTE	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER	V.I.F.	SATIN LACQUER	
105 / BUTLER'S PANTRY	M-06	LOWER AND UPPER CAB'S, NORTH WALL	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL & GLASS PANEL	V.I.F.	GLOSS LACQUER	
	M-07	LOWER AND UPPER CAB'S, SOUTH WALL	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL & GLASS PANEL	V.I.F.	GLOSS LACQUER	
106 / DINING ROOM	M-08	RADIATOR COVER AND WOOD PANELLING	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
104 / LIVING ROOM	M-09	RADIATOR COVERS AT 5 WINDOWS	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
108 / STUDY	M-10	WALL STORAGE W/ SLIDING PANELS	BLUM HARDWARE / MILLWORK BY GC	FRENCH POLISH PAINTED LACQUER WITH BEAD DETAIL	V.I.F.	FRENCH POLISH	
	M-11	OPEN SHELVING	BLUM HARDWARE / MILLWORK BY GC	FRENCH POLISH PAINTED LACQUER WITH BEAD DETAIL	V.I.F.	FRENCH POLISH	
	M-12	BUILT-IN SEATING AT EAST WALL	BLUM HARDWARE / MILLWORK BY GC	FRENCH POLISH PAINTED LACQUER WITH BEAD DETAIL	V.I.F.	FRENCH POLISH	
	M-13	BUILT-IN SEATING AT SOUTH WALL	BLUM HARDWARE / MILLWORK BY GC	FRENCH POLISH PAINTED LACQUER WITH BEAD DETAIL	V.I.F.	FRENCH POLISH	
	M-14	SHELVING WALL AT TV CONSOLE	BLUM HARDWARE / MILLWORK BY GC	FRENCH POLISH PAINTED LACQUER WITH BEAD DETAIL	V.I.F.	FRENCH POLISH	
	M-15	STORAGE AND MIRROR OUTSIDE OF POWDER RM	BLUM HARDWARE / MILLWORK BY GC	FRENCH POLISH PAINTED LACQUER WITH BEAD DETAIL	V.I.F.	FRENCH POLISH	
111 / BEDROOM 1	M-16	RADIATOR COVER BELOW WINDOW	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
	M-17	CLOSET STORAGE	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
114 / MAST ER BEDROOM	M-18	RADIATOR COVER BELOW WINDOW	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
116 / WALK-IN CLOSET	M-19	CLOSET STORAGE	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL & WOVEN PANEL INSERT	V.I.F.	SATIN LACQUER	
117 / WALK-IN CLOSET	M-20	CLOSET STORAGE	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
118 / LAUNDRY	M-21	LAUNDRY ROOM STORAGE	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
119 / BEDROOM 2	M-22	RADIATOR COVER BELOW WINDOW	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
	M-23	CLOSET STORAGE	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
121 / BEDROOM 2	M-24	CLOSET STORAGE	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
122 / BEDROOM 3	M-25	RADIATOR COVER BELOW WINDOW	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	
	M-26	CLOSET STORAGE	BLUM HARDWARE / MILLWORK BY GC	SHOP PTD. LACQUER WITH BEAD DETAIL	V.I.F.	SATIN LACQUER	

		FIN	NISH/PAINT	SCHEDU	LE	
ROOM # / NAME	LOCATION	MATERIAL	MANUFACTURER	SPECIFICATION	COLOR/ FINISH	NOTES
101 / ENTRY	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
102 / FOYER	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
103 / HALL	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
103 / HALL	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
104 / KITCHEN	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
105 / BUTLER PANTRY	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
ACC / DINING DOOM	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
106 / DINING ROOM	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
107 / LIVING ROOM	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
108 / STUDY	WALLS	OIL PAINT	FARROW & BALL	TBD	LACQUER	USE FARROW & BALL PRIMER AS REC
	CEILING	LF-01	SEE SPECIALTIES	SEE SPECIALTIES	SILVER	SEE SPECIALTIES
	TRIM	OIL PAINT	FARROW & BALL	TBD	LACQUER	USE FARROW & BALL PRIMER AS REC
109 / POWDER ROOM	WALLS	MT-01	SEE STONE/TILE	SEE STONE/TILE	TBD	SEE STONE/TILE
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
110 / HALL	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
I IU / HALL	CEILING	LATEX PAINT		TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
111 / BEDROOM 1	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
112 / BATH 1	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
113 / HALL	WALLS		FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	OIL PAINT	SEE SPECIALTIES FARROW & BALL	SEE SPECIALTIES TBD	GOLD TBD	SEE SPECIALTIES USE FARROW & BALL PRIMER AS REG
114/ MASTER BEDROOM	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT		TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
115 / MASTER BATH	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
116 / WALK-IN-CLOSET	WALLS		FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING		FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
445 (NVALIK IN OLOOFT	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
117 / WALK-IN-CLOSET	WALLS		FARROW & BALL FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
118 / LAUNDRY	WALLS		FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING		FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
119 / BEDROOM 2	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
120 / BATH 2	WALLS		FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING		FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
121 / HALL	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
IZI / NALL	WALLS		FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
122 / BEDROOM 3	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
<u> </u>	CEILING		FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
123 / BATH 3	WALLS	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	TRIM	OIL PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
124 / WALK-IN-CLOSET	WALLS		FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
	CEILING	LATEX PAINT	FARROW & BALL	TBD	TBD	USE FARROW & BALL PRIMER AS REC
		_ ·· -		⊥ TDN	TBD	USE FARROW & BALL PRIMER AS REC
440 / PEPPOCT -	TRIM	OIL PAINT	FARROW & BALL	TBD		
119 / BEDROOM 2	TRIM WALLS CEILING		FARROW & BALL FARROW & BALL FARROW & BALL	TBD TBD	TBD TBD	USE FARROW & BALL PRIMER AS REC

TRIM SCHEDULE								
ROOM # / NAME	TYPE	SPECIFICATION	MANUFACTURER	NOTES				
TR-01	EXISTING TO REMAIN	N/A	N/A	PATCH/REPAIR AS REQ'D				
TR-02	NEW TO MATCH EXSTG.	N/A	N/A	V.I.F.				
TR-03	PLASTER CROWN	TBD	BALMER					
TR-04	SOLID WOOD DOOR CASING	CUSTOM OGEE						
TR-05	SOLID WOOD BASE	CUSTOM FLAT/OGEE						

Artacho / Oh Residence

1220 PARK AVE, APT 4B NEW YORK, NY 10128

CECILIA ARTACHO OH & KENNEY OH 1220 PARK AVE, APT 4B NEW YORK, NY 10128

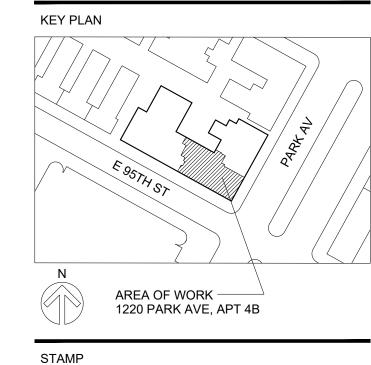
ARCHITECT

DAVIES TOEWS ARCHITECTURE 448 E. 13TH STREET, STOREFRONT NEW YORK, NY 10009 TEL: (718) 222-1202

CODE CONSULTANT JAM CONSULTANTS, INC. 104 WEST 29TH STREET, 9TH FLOOR NEW YORK, NY 10001 TEL. (212) 244-4427

MECHANICAL ENGINEER HAMILTON AIR. 262 WEST 38TH STREET #301 NEW YORK, NY 1018-5808 TEL. (212) 682-2710

PLUMBING AND ELECTRICAL ENGINEER GREEN SOLUTIONS
ENGINEERING AND ENERGY MANAGEMENT
CONSULTING ENGINEERS, PC
104-15 95TH AVE OZONE PARK, NY 11416 TEL. (917) 362-6719



NOT FOR CONSTRUCTION

PRELIMINARY BID	06/12/2017
ISSUE	DATE

FINISH & MILLWORK SCHEDULES

PROJECT NO: 1701 SCALE: AS NOTED

SHEET NUMBER

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	APPLIANCE SCHEDULE									
EQUIP ID #	LOCATION ITEM	MANUFACTURER	MODEL NUMBER	DESCRIPTION	SIZE	COLOR / FINISH	NOTES			
E-1	KITCHEN / 104 RANGE	GARLAND	N/A - EXISTING, VIF		VIF	ST STEEL	EXSTG RANGE TO BE RELOCATED			
E-2	HOOD	PRESTIGE	UIB58-1200	INSERT POWERPACK EXHAUST HOOD, 1200 CFM	58"X14"X18" COORD. W/SPEC.	ST STEEL INSERT	COORDINATE INSTALLATION W/MILLWORK SURROUND			
E-3	REFRIGERATOR	SUB-ZERO	BI-48S/S	BUILT-IN SIDE-BY-SIDE REFRIGERATOR/FREEZER	48"X84"X24" COORD. W/SPEC.	ST STEEL	TUBULAR HANDLE BY SUB-ZERO			
E-4	WINE REF.	SUB-ZERO	IW-30R, LEFT HAND HINGE	30" INTEGRATED WINE STORAGE W/REFRIGERATOR DRAWERS	30"X84"X24" COORD. W/SPEC.	CUSTOM DOOR & HANDLES BY G.C.	CUSTOM SOLID OVERLAY DOOR			
E-5	DISHWASHER	MIELE	EXISTING, VIF	UNDERCOUNTER DISHWASHER	VIF	ST STEEL	EXSTG D/W TO BE RELOCATED			
E-6	IN-WALL COFFEE MAKER	MIELE	CVA 6401	BUILT-IN COFFEE MACHINE WITH BEAN TO CUP SYSTEM	23 1/2"x17 7/8"x19"	ST STEEL	COORDINATE INSTALLATION W/MILLWORK SURROUND			
E-7	ICE MAKER	HOSHIZAKI	AM-50BAE	UNDERCOUNTER ICEMAKER			GC TO PROVIDE DRIP PAN WITH SENSOR SHUT OFF AND VIBRATION ISOLATORS (BY MASON INDUSTRIES OR EQUIV.)			
E-8	ICE MAKER PUMP	HOSHIZAKI	HS-5061	PUMP FOR UNDERCOUNTER ICEMAKER			SEE NOTE 2			
E-9	MICROWAVE	PANASONIC	BY OWNER	BY OWNER	VIF	ST STEEL	COORD. INSTALL W/ADJACENT MILLWORK			
E-10	LAUNDRY / 118 WASHER	MIELE	W3048	WASHING MACHINE	23 1/2"x 33 31/2"x 23 7/8"	WHITE	STACKED, ORDER INSTALLATION KIT AS REQ'D			
E-11	DRYER	ASKO	T754 W/T	TUMBLE DRYER-AIR VENTED DRYER	23 1/2"x 33 3/8"x 23 7/8"	WHITE	STACKED, COORDINATE VENTING AS REQ'D			
E-12	DRIP PAN	(CUSTOM)	N/A	CUSTOM 18 GAUGE STAINLESS STEEL DRIP PAN LOCATED UNDER W/D	(CUSTOM)	ST STEEL	G.C. TO COORDINATE			

				MISC. EQ	UIPMENT SCHEDUL	E		
EQUIP ID #	LOCATION	ITEM	MANUFACTURER	MODEL NUMBER	DESCRIPTION	SIZE	COLOR / FINISH	NOTES
E-13	POWDER RM / 109	EXHAUST FAN	PANASONIC	FV-08VQ5	WHISPERCEILING FAN, 80 CFM			
E-14	MASTER BATH / 115	ELECTRIC RADIANT HEAT FLOORING	WARMUP	NADWM	WARMUP STICKY MAT			G.C. TO COORDINATE ELECTRICAL REQUIREMENTS
E-15	BATH 1 / 112	ELECTRIC RADIANT HEAT FLOORING	WARMUP	NADWM	WARMUP STICKY MAT			G.C. TO COORDINATE ELECTRICAL REQUIREMENTS
E-16	BATH 2 / 120	ELECTRIC RADIANT HEAT FLOORING	WARMUP	NADWM	WARMUP STICKY MAT			G.C. TO COORDINATE ELECTRICAL REQUIREMENTS
E-17	BATH 3 / 123	ELECTRIC RADIANT HEAT FLOORING	WARMUP	NADWM	WARMUP STICKY MAT			G.C. TO COORDINATE ELECTRICAL REQUIREMENTS
E-18	GENERAL	SMOKE / CO DETECTOR	KIDDE	KN-COSM-1B	HARDWIRED COMBINATION SMOR			SEE A-120 FOR LOCATIONS
E-19	SPEAKERS	BY OWNER						G.C. TO COORDINATE INSTALLATION

FIXTURE AND APPLIANCE NOTES

- 1. ALL PLUMBING FIXTURES TO BE ADEQUATELY SEALED TO THE WALL ASSEMBLY WITH MILDEW RESISTANT SILICONE SEALANTS
- 2. FOR STAND-ALONE ICE MAKER, GC TO MAKE PROVISION TO FLUSH THE SUPPLY PIPING, IN ORDER TO PREVENT CLOGS AND ALLOW FOR FLUSHING OUT THE LINE IF NECESSARY

				LIGHT	NG FIXTURE SCHEDULE			
TYPE	MANUFACTURER	QTY	SPECIFICATION	MODEL	DESCRIPTION / NOTES	SIZE	FINISH	NOTES
RL-01	LUCIFER	32	2RP-AD-1 RECESSED DOWNLIGHT ROUND ADJUSTABLE	2RP-AD-1	RECESSED DOWNLIGHT ROUND ADJUSTABLE GEAR-DRIVEN, 80 CRI, 3000, 133 LUMENS	4" DIAMETER TRIM	WHITE	COORDINATE MOUNTING AND INSTALLATION AS REQ'D.
RL-02	LUCIFER	11	2RP-FD-2 RECESSED DOWNLIGHT, WET LOCATION	2RP-FD-2, WET LOCATION	ROUND PINHOLE APERTURE FIXTURE DEEP REGRESS WET LOCATION, 80 CRI, 3000, 133 LUMENS	4" DIAMETER TRIM	WHITE	COORDINATE MOUNTING AND INSTALLATION AS REQ'D.
WS-01	N/A, BY OWNER	32	N/A, BY OWNER	N/A	SURFACE MOUNTED WALL SCONCE	N/A	N/A	COORDINATE MOUNTING AND INSTALLATION AS REQ'D.
DL-01	N/A, BY OWNER	19	N/A, BY OWNER	N/A	SURFACE MOUNTED PENDANT LIGHT	N/A	N/A	COORDINATE MOUNTING AND INSTALLATION AS REQ'D.
ST DA ST SS	WAC	16	INVISILED PRO 2	LED-TX24	HIGH OUTPUT LED TAPE LIGHT	VIF	N/A	COORDINATE MOUNTING AND INSTALLATION W/MILLWORK AS REQ'D.

D #	LOCATION	ITEM	MANUFACTURER	MODEL NUMBER	DESCRIPTION	SIZE	COLOR / FINISH	NOTES
P-1	KITCHEN / 104	SINK	ROHL	6307	ALLIA SINGLE BOWL UNDERMOUNT FIRECLAY SINK	31 5/8"x11"x19 5/8"	WHITE	UNDERMOUNT INSTALLATION, PROVIDE BLOCKING AS REQ'D. PROVIDE UNDERSIDE
P-2		FAUCET	BARBER WILSON	1030	MIXER AND HANDSPRAY W/ WHITE HANDLE & PORCELAIN LEVER	SEE SPECIFICATION	NICKEL/ WHITE	DEADENING AT SINK
P-3	BUTLER'S	SINK	N/A - EXISTING	N/A	HANDLES ZINC COUNTER WITH INTEGRATED	VIF	ZINC	COORDINATE INSTALLATION W/MILLWOR
P-4	PANTRY / 105	FAUCET	BARBER WILSON	2020	DOUBLE SINK & DRAINBOARD WALL MOUNTED W/CROSS HANDLES	SEE	NICKEL/	BELOW WALL MOUNTED
P-5	POWDER RM /				CLASSIC TOILET W/BLACK HANDLE &	SPECIFICATION	WHITE	WALL MOUNTED
P-0	109	TOILET	LEFROY BROOKS	LW600/LW601	SEAT CLASSIC BLACK TOILET SEAT/BLACK		WHITE/	
P-6 		ACCESSORIES SINK	LEFROY BROOKS	TB 6009/CB5471/L1-6025 LB 7203	LEVER CISTERN HANDLE/CLASSIC FLOOR BOLTS CHARTERHOUSE		NICKEL/ BLACK	3 HOLE W/ BALL JOINTED STAND LB 3225
							NUCLEE	3 HOLE W/ BALL JOINTED STAND LB 3223
P-8		FAUCET	BARBER WILSON	MC-6455	MASTERCRAFT LAVATORY, 5.5" SPOUT		NICKEL	RELOCATE EXISTING TOILET, GC TO SUPP
P-9	BATH 1 / 112	TOILET FLUSHOMETER	N/A EXISTING	N/A EXISTING, VIF	FLUSHOMETER TOILET G.C. TO COORDINATE WITH EXISTING	VIF	WHITE	AND INSTALL NEW FLUSH VALVE
P-10		VALVE	SLOAN	'ROYAL'	TOILET	VIF	NICKEL	
P-11		SINK	LEFROY BROOKS	LB 7203	CHARTERHOUSE LEVER HANDLE 3-HOLE BASIN MIXER			3-HOLE W/ BALL JOINTED STAND LB 3225
P-12		FAUCET	LEFROY BROOKS	M1-1101	W/P.U.W.		NICKEL	
P-13		BATHTUB	KALDEWEI	683	PURO	VIF	WHITE	
P-14		TUB FILL	LEFROY BROOKS	M1-1031	WALL BATH SPOUT		NICKEL	
P-15		SHOWER / TUB CONTROLS	LEFROY BROOKS	M1-4302	CROSS HANDLE PRESSURE BALANCE W/LEVER 2-WAY DIVERTER TRIM		NICKEL	
P-16		SHOWER / TUB CONTROLS	LEFROY BROOKS	M1-4101	TWO HANDLE PRESSURE BALANCE ROUGH W/ 2-WAY DIVERTER		NICKEL	
P-17		ROUGH SHOWERHEAD /	LEFROY BROOKS	N4. 40400VI 4040	5" WALL SHOWER ROSE W/ ANGLES		NICKEL	
		ARM		M1-4610/YI-4612	SHOWER PROJECTION ARM		NICKEL	RELOCATE EXISTING TOILET, GC TO SUPP
P-18	BATH 2 / 120	TOILET FLUSHOMETER	N/A EXISTING	N/A EXISTING, VIF	FLUSHOMETER TOILET G.C. TO COORDINATE WITH EXISTING	VIF	WHITE	AND INSTALL NEW FLUSH VALVE
P-19		VALVE	SLOAN	'ROYAL'	TOILET	VIF	CHROME	
P-20		SINK	LEFROY BROOKS	LB 7703	LA CHAPPELLE		WHITE	W/ BALL JOINTED STAND LB 3227
P-21		FAUCET	LEFROY BROOKS	CH 1224 HANDLE	CROSS HANDLE CONNAUGHT 3-HOLE BASIN MIXER		CHROME	1920'S HANDLE
P-22		BATHTUB	KALDEWEI	VIF	SANIFORM	VIF	WHITE	
P-23		TUB FILL	LEFROY BROOKS	C1-1031	WALL BATH SPOUT		CHROME	
P-24		SHOWER / TUB CONTROLS	LEFROY BROOKS	CW-4055 / CH1224 HANDLE	CONCEALED GODOLPHIN PRESSURE BALANCE MIXING VALVE W/WHITE		CHROME/ WHITE	1920'S HANDLE
		SHOWER / TUB			LEVER 2-WAY DIVERTER TRIM TWO HANDLE PRESSURE BALANCE		VVIIII	
P-25		CONTROLS ROUGH	LEFROY BROOKS	MI-4101 / CH 1224 HANDLE	ROUGH W/ 2-WAY DIVERTER & 1920'S CONNAUGHT KNOB		CHROME	1920'S HANDLE
P-26		SHOWERHEAD /	LEFROY BROOKS	LB-1728/YI-4612	EIGHT JET BRUNSWICK ADJUSTABLE ROSE/ANGLES SHOWER PROJECTION		CHROME	
		ARM		N/A EVICTING VIE	ARM			RELOCATE EXISTING TOILET, GC TO SUPP
P-27	BATH 3 / 123	TOILET FLUSHOMETER	N/A EXISTING	N/A EXISTING, VIF	FLUSHOMETER TOILET G.C. TO COORDINATE WITH EXISTING	VIF	WHITE	AND INSTALL NEW FLUSH VALVE
P-28		VALVE	SLOAN	'ROYAL'	TOILET G.C. TO VERIFY OPERABILITY, USE	VIF	CHROME	
P-29		SINK	N/A EXISTING	N/A EXISTING, VIF	SALVAGE AS REQ'D FOR REPAIRS	VIF	PORCELAIN	
P-30		FAUCET	N/A EXISTING	N/A EXISTING, VIF	G.C. TO VERIFY OPERABILITY, USE SALVAGE AS REQ'D FOR REPAIRS	VIF		
P-31		BATHTUB	KALDEWEI	VIF	SANIFORM	VIF	WHITE	
P-32		TUB FILL	LEFROY BROOKS	C1-1031	WALL BATH SPOUT		CHROME	
P-33		SHOWER / TUB CONTROLS SHOWER / TUB	LEFROY BROOKS	CW 4050 / CH 1224 HANDLE	WHITE LEVER CONCEALED GODOLPHIN THERMOSTATIC MIXING VALVE TRIM ONLY		CHROME	1920'S HANDLE
P-34		CONTROLS	LEFROY BROOKS	M1-4201	TWO HANDLE THERMOSTATIC ROUGH W/FLOW CONTROL			
P-35		ROUGH DIVERTER	LEFROY BROOKS	CW-1015	WHITE WALL LEVER FLOW CONTROL		CHROME	
P-36		DIVERTER ROUGH	LEFROY BROOKS	R1-4002	TRIM ONLY 3/4" RECESSED FLOW CONTROL			
P-37		SHOWERHEAD /	LEFROY BROOKS	LB-1728/YI-4612	ROUGH EIGHT JET BRUNSWICK ADJUSTABLE ROSE/ANGLES SHOWER PROJECTION		CHROME	
	MASTER BATH /	ARM			ARM			RELOCATE EXISTING TOILET, GC TO SUPP
P-38	115	TOILET FLUSHOMETER	N/A EXISTING	N/A EXISTING, VIF	FLUSHOMETER TOILET G.C. TO COORDINATE WITH EXISTING	VIF	WHITE	AND INSTALL NEW FLUSH VALVE
P-39		VALVE	SLOAN	'ROYAL'	TOILET	VIF	NICKEL	CUSTOM MARBLE TOP W/ URBAN
P-40		SINK	WATERWORKS	MRLVCU	"MANCHESTER" UNDERMOUNT WHITE PORCELAIN SINK			ARCHAELOGY CRYSTAL LEGS W/ "DECO FINNIALS IN NICKEL
P-41		FAUCET	LEFROY BROOKS	M1-1100	MACKINTOSH CROSS HANDLE 3-HOLE BASIN MIXER			T INVIALO IN MONEE
P-42		BATHTUB	KALDEWEI	VIF	CAYONO	VIF	WHITE	
P-43		TUB CONTROLS	LEFROY BROOKS	M1-2400	CROSS HANDLE WALL-MOUNTED		NICKEL	
P-44		TUB ROUGH	LEFROY BROOKS	R1-4035	3-HOLE BATH FILLER TRIM ONLY CROSS WALL-MOUNTED 3-HOLE BATH		N/A	
		DIVERTER FOR			FILLER ROUGH			
P-45		HAND HELD SHOWER @ TUB	LEFROY BROOKS	M1-1011	LEVER 2-WAY WALL DIVERTER TRIM		NICKEL	
P-46		DIVERTER ROUGH		R1-4000	2-WAY WALL DIVERTER ROUGH		N/A	
P-47		SHOWER @TUB HAND HELD SHOWER	LEFROY BROOKS	M1-1021 Y1-1069/Y1-1004/	HANDSHOWER W/METALISED HANDLE DOUBLE INTERLOCK SHOWER		NICKEL	
P-48		ACCESSORIES @ TUB	LEFROY BROOKS	M1-5462	HOSE/WALL OUTLET/ADJUSTABLE HANDHELD SHOWER BRACKET		NICKEL	
P-49		SHOWER CONTROLS	LEFROY BROOKS	M1-4405	CROSS HANDLE THERMOSTATIC W/ LEVER FLOW CONTROL TRIM ONLY		NICKEL	
		SHOWER ROUGH	LEFROY BROOKS	M1-4201	TWO HANDLE THERMOSTATIC ROUGH W/FLOW CONTROL		N/A	
P-50		DIVERTER	LEFROY BROOKS	M1-1011	LEVER 2-WAY WALL DIVERTER TRIM		NICKEL	
P-50 P-51		DIVERTER ROUGH	LEFROY BROOKS	R1-4000	2-WAY WALL DIVERTER ROUGH		N/A	
		DIVERTER ROUGH	LEI KOT BROOKS			d.	1	
P-51		SHOWERHEAD /	LEFROY BROOKS	M1-4600/Y1-4500	8" SHOWER ROSE/CEILING SHOWER		NICKEL	
P-51 P-52					8" SHOWER ROSE/CEILING SHOWER PROJECTION ARM HANDSHOWER W/METALISED HANDLE DOUBLE INTERLOCK SHOWER		NICKEL	

Artacho / Oh Residence

1220 PARK AVE, APT 4B NEW YORK, NY 10128

CECILIA ARTACHO OH & KENNEY OH 1220 PARK AVE, APT 4B NEW YORK, NY 10128

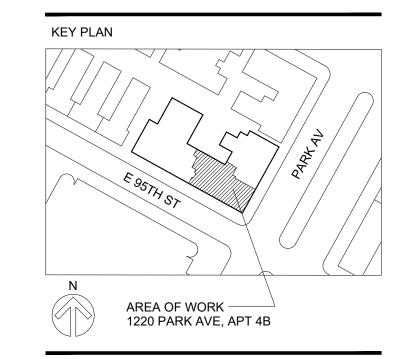
ARCHITECT

DAVIES TOEWS ARCHITECTURE 448 E. 13TH STREET, STOREFRONT NEW YORK, NY 10009 TEL: (718) 222-1202

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PRELIMINARY BID 06/12/2017 ISSUE DATE

FIXTURES, APPLIANCES AND LIGHTING SCHEDULES

PROJECT NO: 1701 SCALE: AS NOTED

SHEET NUMBER

A-701.00

				DOO	R S	CHEDULI	E		
NO.	LOCATION	TYPE	MATERIAL	WIDTH (VIF)	HT (VIF)	FINISH	MANUF.	HARDWARE	NOTES
101	ENTRY	SINGLE LEAF, 6 PANEL, EXSTG.	WOOD	VIF	VIF	EXSTG.	N/A	EXSTG./ENTRY	REPAIR/REFINISH AS REQ'D.
102	FOYER CLOSET	PAIR, 6 PANEL, EXSTG.	WOOD	VIF	VIF	EXSTG.	N/A	CLOSET	REPAIR/REFINISH AS REQ'D/RE-USE (2) EXSTG. DOORS, SALVAGE DURING DEMOLITION
103	HALL	SINGLE LEAF, 6 PANEL, NEW TO MATCH EXSTG.	WOOD	VIF	VIF	TO MATCH EXSTG.	N/A	PASSAGE	
104A	KITCHEN	SINGLE LEAF, PANEL, EXSTG.	PTD. METAL	VIF	VIF	PTD.	N/A	EXSTG./ENTRY	REPAIR/REFINISH AS REQ'D., APPLY NEW FLUSH METAL FACE TO CONCEAL PANEL
104B	KITCHEN	SINGLE LEAF, PANEL, EXSTG.	PTD. METAL	VIF	VIF	PTD.	N/A	EXSTG./ENTRY	REPAIR/REFINISH AS REQ'D.
105	BUTLER'S PANTRY	SINGLE LEAF, 6 PANEL, EXSTG.	WOOD	VIF	VIF	EXSTG.	N/A	EXSTG./ENTRY	REPAIR/REFINISH AS REQ'D.
106	DINING ROOM	N/A FRAMED OPENING	N/A	VIF	VIF	N/A	N/A	N/A	N/A
107A	LIVING ROOM	PAIR, 3 PANEL, EXSTG.	WOOD	VIF	VIF	EXSTG.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
107B	LIVING ROOM	PAIR, 3 PANEL, EXSTG.	WOOD	VIF	VIF	EXSTG.	N/A	EXSTG.	RE-USE FROM FORMER D.R. LOCATION, REPAIR/REFINISH AS REQ'D.
108A	STUDY	SINGLE LEAF, 6 PANEL, EXSTG.	WOOD	VIF	VIF	EXSTG.	N/A	EXSTG./ENTRY	REPAIR/REFINISH AS REQ'D.
108B	STUDY	POCKET/SINGLE LEAF, 6 PANEL, NEW TO MATCH EXSTG.	WOOD/LACQUER	VIF	VIF	TO MATCH EXSTG.	N/A	POCKET	TRACK BY HAFELE, HAWA, PULLS BY RAJACK
109	POWDER ROOM	POCKET/SINGLE LEAF, 6 PANEL, NEW TO MATCH EXSTG.	WOOD/LACQUER	VIF	VIF	TO MATCH EXSTG.	N/A	POCKET	TRACK BY HAFELE, HAWA, PULLS BY RAJACK
110	HALL	SINGLE LEAF, 6 PANEL, EXSTG.	WOOD	VIF	VIF	EXSTG.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
111A	BEDROOM 1	SINGLE LEAF, PANEL, EXSTG.	WOOD	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
111B	BEDROOM 1 CLST	PAIR, SINGLE PANEL, EXSTG.	WOOD	VIF	VIF	EXSTG.	N/A	CLOSET	REPAIR/REFINISH AS REQ'D/RE-USE (2) EXSTG. DOORS, SALVAGE DURING DEMOLITION
112	BATH 1	SINGLE LEAF, PANEL, EXSTG.	WOOD/MIRROR	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
114	MASTER BEDROOM	POCKET/SINGLE LEAF, SINGLE PANEL, NEW TO MATCH EXSTG.	WOOD/LACQUER	VIF	VIF	PTD.	N/A	POCKET	TRACK BY HAFELE, HAWA, PULLS BY RAJACK
115	MASTER BATH	SINGLE LEAF, PANEL, EXSTG.	WOOD/MIRROR	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
116	WALK-IN-CLOSET	SINGLE LEAF, PANEL, NEW TO MATCH EXSTG.	WOOD/MIRROR	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
117	WALK-IN-CLOSET	POCKET/SINGLE LEAF, SINGLE PANEL, NEW TO MATCH EXSTG.	WOOD/LACQUER	VIF	VIF	PTD.	N/A	POCKET	TRACK BY HAFELE, HAWA, PULLS BY RAJACK
118	LAUNDRY	SINGLE LEAF, PANEL, NEW TO MATCH EXSTG.	WOOD/MIRROR	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
119A	BEDROOM 2	SINGLE LEAF, PANEL, EXSTG.	WOOD/MIRROR	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
119B	BEDROOM 2 CLST	PAIR, SINGLE PANEL, NEW TO MATCH EXSTG.	WOOD/MIRROR	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
120	BATH 2	SINGLE LEAF, PANEL, EXSTG.	WOOD/MIRROR	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
121	HALL CLOSET	SINGLE LEAF, PANEL, NEW TO MATCH EXSTG.	WOOD/MIRROR	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
122	BEDROOM 3	SINGLE LEAF, PANEL, EXSTG.	WOOD	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
123	BATH 3	SINGLE LEAF, PANEL, EXSTG.	WOOD/MIRROR	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.
124	BEDROOM 3 W.I.C.	SINGLE LEAF, PANEL, EXSTG.	WOOD/MIRROR	VIF	VIF	PTD.	N/A	EXSTG.	REPAIR/REFINISH AS REQ'D.

			1	WIND	ow s	СН	EDULI	E				(
NO.	LOCATION	ТҮРЕ	OPER.	MANUF.	R.O. WIDTH	R.O. HT	GLAZING TYPE	U FACTOR	EXT FINISH	INTERIOR FINISH	AIR LEAKAGE	1 2
104A	KITCHEN	CLAD MAGNUM TILT/TURN	RH	MARVIN	4'-4", VIF	5'-2", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
104B	KITCHEN	CLAD MAGNUM TILT/TURN	LH	MARVIN	4'-0", VIF	5'-2", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
106A	DINING ROOM	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	4'-4", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
106B	DINING ROOM	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	4'-4", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
107A	LIVING ROOM	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	4'-0", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	3
107B	LIVING ROOM	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	4'-0", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
107C	LIVING ROOM	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	4'-0", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	4
107D	LIVING ROOM	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	4'-0", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
107E	LIVING ROOM	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	4'-0", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
108	STUDY	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	6'-4", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	5
111	BEDROOM 1	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	6'-4", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
112	BATH 1	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	3'-10", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	6
114A	MASTER BEDRM	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	3'-10", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	1_
114B	MASTER BEDRM	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	3'-10", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	7
115	MASTER BATH	CLAD ULTIMATE DOUBLE HUNG	N/A	MARVIN	3'-10", VIF	6'-0", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	8
119A	BEDROOM 2	CLAD MAGNUM TILT/TURN	LH	MARVIN	4'-4", VIF	5'-2", VIF	LOW E1 W/ ARGON	30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	9
119B	BEDROOM 2	CLAD MAGNUM TILT/TURN	RH	MARVIN	4'-4", VIF	5'-2", VIF	LOW E1 W/ ARGON	30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
120	BATH 2	CLAD MAGNUM TILT/TURN	RH	MARVIN	2'-0", VIF	4'-2", VIF	LOW E1 W/ ARGON	.30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
122	BEDROOM 3	CLAD MAGNUM TILT/TURN	LH/RH	MARVIN	6'-4", VIF	6'-0", VIF	LOW E1 W/ ARGON	30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	
123	BATH 3	CLAD MAGNUM TILT/TURN	RH	MARVIN	2'-0", VIF	5'-2", VIF	LOW E1 W/ ARGON	30	SEE NOTE 2	PINE / PRIMED	MEETS ASTM E283	

GLAZING NOTES

- ALL EXTERIOR WINDOWS TO REPLACE EXISTING GC TO COORDINATE EXTERIOR FINISH WITH BUILDING MANAGEMENT FOR BUILDING STANDARD, ALL REPLACEMENT WINDOWS MUST FOLLOW THE BUILDING'S WINDOW MASTER PLAN AND CONFORM IN COLOR, STYLE AND DIMENSIONS TO THE ORIGINAL WINDOW CONFIGURATION OF THE BUILDING. WINDOW / FRAME EXTERIOR FINISH AND PANNING OF THE MASTER WINDOW FRAME AND THE MULLIONS AT GANGED WINDOWS ARE TO BE BUILDING STANDARD. PERIMETER SEALANT TO BE HIGH QUALITY URETHANE SEALANT, COLOR TO MATCH THE WINDOW
- ROUGH OPENINGS PROVIDED ARE FOR REFERENCE ONLY, GC TO VERIFY ALL DIMENSIONS IN THE FIELD. WINDOW MASONRY OPENINGS MAY NOT BE MODIFIED. INSPECT SILL AND LINTEL INTEGRITY AND REPORT ANY IRREGULARITIES TO BUILDING MANAGEMENT
- IMMEDIATELY. INSTALL NEW FRAMES IN MASONRY OPENINGS SET TRUE AND PLUMB AND ANCHOR TO MASONRY. INSTALLER IS RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE WINDOW INSTALLATION AND IS TO ASSURE THAT THE QUANTITY AND SPACING OF ANCHORS IS BASED UPON THE EXISTING CONDITIONS, EXPOSURE, AND HEIGHT OF THE
- WINDOW INSTALLATION WITHIN THE BUILDING. CAULK EXTERIOR PERIMETER BETWEEN NEW FRAMES AND MASONRY WITH BUTYL TAPE COMPOUND APPLIED WITH HAND PRESSURE GUN AND TROWEL OFF NEATLY.
- REPAIR AROUND WINDOWS BROKEN PLASTER, TO A TROWELLED HARD SMOOTH FINISH, THAT OCCURRED DURING PERFORMANCE OF THE
- ONLY BUILDING-APPROVED SIX OVER SIX DOUBLE HUNG WINDOWS MAY BE INSTALLED WITH EXTERIOR TO MATCH EXISTING WINDOWS IN FRONT ELEVATIONS.
- WINDOW INSTALLATIONS MUST BE COORDINATED WITH THE RESIDENT MANAGER AT LEAST FIVE (5) DAYS PRIOR TO THE DESIRED DATE. PRIOR TO THE INSTALLATION OF THE REPLACEMENT WINDOWS, PROVIDE A SAMPLE TO THE BUILDING TO ASSURE THAT SUCH WINDOW REPLACEMENTS CONFORM IN COLOR, STYLE AND DIMENSIONS TO THE EXISTING WINDOWS IN THE BUILDING.
- 10. THE CONTRACTOR IS TO MAINTAIN A SAFE SITE AND IS FULLY RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CITY REGULATIONS REGARDING SITE SAFETY.

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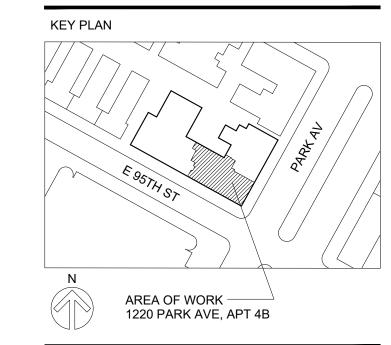
ARCHITECT

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MECHANICAL ENGINEER HAMILTON AIR. 262 WEST 38TH STREET #301 NEW YORK, NY 1018-5808 TEL. (212) 682-2710

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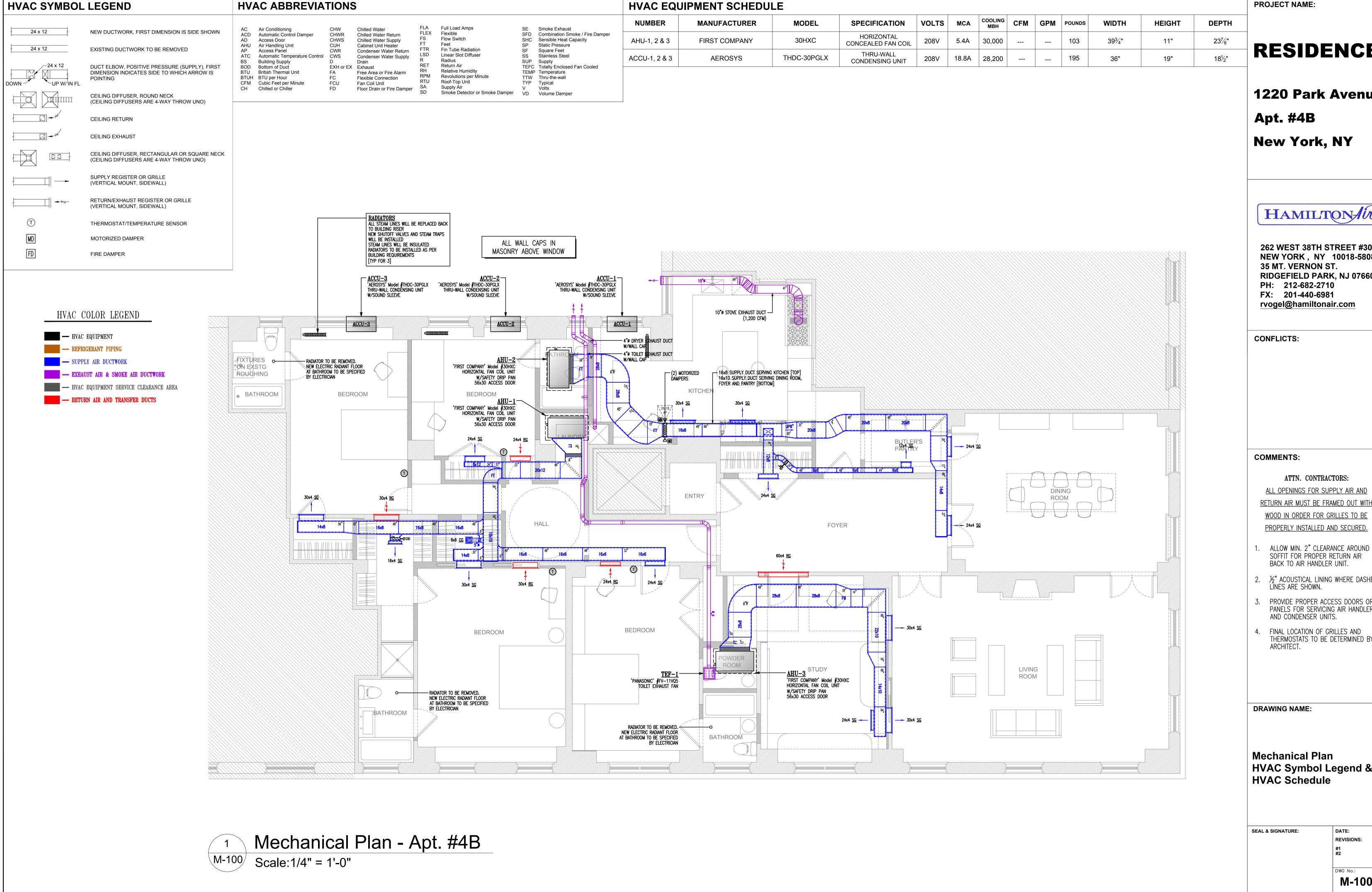
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PRELIMINARY BID	06/12/2017
10015	DATE

WINDOW AND DOOR SCHEDULES

PROJECT NO: 1701 SCALE: AS NOTED SHEET NUMBER

PAGE 18 OF 18



PROJECT NAME:

RESIDENCE

1220 Park Avenue

HAMILTONAIN

262 WEST 38TH STREET #301 NEW YORK, NY 10018-5808 RIDGEFIELD PARK, NJ 07660 rvogel@hamiltonair.com

RETURN AIR MUST BE FRAMED OUT WITH WOOD IN ORDER FOR GRILLES TO BE

- SOFFIT FOR PROPER RETURN AIR BACK TO AIR HANDLER UNIT.
- ½" ACOUSTICAL LINING WHERE DASHED
- 3. PROVIDE PROPER ACCESS DOORS OR PANELS FOR SERVICING AIR HANDLER
- 4. FINAL LOCATION OF GRILLES AND THERMOSTATS TO BE DETERMINED BY ARCHITECT.

HVAC Symbol Legend &

REVISIONS:

M-100.00

1 OF 2

RESIDENCE

1220 Park Avenue Apt. #4B **New York, NY**

HAMILTONAIN

35 MT. VERNON ST. PH: 212-682-2710 FX: 201-440-6981

COMMENTS:

DRAWING NAME:

DETAILS

SEAL & SIGNATURE:

Mechanical Plan

DUCTWORK LAYOUT AND ROUTING IS SCHEMATIC. ALL DUCTWORK SHALL CONFORM TO THE REQUIREMENTS OF MC SECTION 603 AND THE SHEET METAL AND AIR CONDITIONING CONTRACTOR NATIONAL ASSOCIATION (S.M.A.C.N.A.) SPECIFICATIONS, UNLESS OTHERWISE NOTED. NO DUCTWORK LESS

DUCTWORK ELBOWS THAT ARE SQUARED. ALL DUCT SIZES SHOWN ARE EXTERNAL. ALLOWANCE HAS BEEN MADE FOR

DUCTLINER. PROVIDE SPLITTER DAMPERS AND VOLUME DAMPERS WHERE REQUIRED TO ALLOW

ALL DUCT INSTALLATION AND LINING SHALL COMPLY WITH MC, SECTION 604. DUCT INSTALLATION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND

ACCORDANCE WITH ASTM E 84. DUCTS FOR SUPPLY SHALL BE INTERNALLY INSULATED WITH FIBERGLASS DUCT LINER, JOHNS MANVILLE PERMACOTE LINACOUSTIC. THE AIR STREAM SIDE OF THE DUCTLINER SHALL BE PROTECTED WITH PERMACOTE (ACRYLIC SURFACE COATING). THE LINER SHALL BE CUT AND FITTED TO ASSURE TIGHT OVERLAPPED CORNERS AND JOINTS. THE TOP PIECES SHALL BE SUPPORTED BY THE SIDE PIECES. THE DUCTLINER SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE N.A.I.M.A. DUCTLINER INSTALLATION GUIDELINES. ALL EDGES SHALL BE TREATED WITH JOHNS MANVILLE EDGE TREATMENT. THE DUCTLINER SHALL BE 1/2 INCH THICK IN CONDITIONED SPACES. DUCT LINER SHALL BE PROVIDED WITH METAL NOSING OR SLEEVES INSTALLED OVER THE EXPOSED DUCTLINER EDGES THAT FACE OPPOSITE THE DIRECTION OF THE AIRFLOW PER MC, SECTION 604.8. DUCTLINER SHALL BE

REQUIRED BY MC, SECTION 604.8. SERIES SPIN GLASS". THE DUCTWORK SHALL BE MADE TO BE WATERPROOF BY INSULATION MINIMUM PER NYS ENERGY CONSERVATION CODE, SECTION 803.2.8.

ALL DUCT CONNECTIONS, JOINTS, SEAMS AND FITTINGS SHALL BE SEALED IN ACCORDANCE WITH THE NYS ENERGY CONSERVATION CODE, SECTION 803.2.8. (REF: MC, SECTION 603.9). TAPES AND MASTICS USED TO SEAL DUCTWORK SHALL COMPLY WITH UL 181A OR UL 181B.

THICK, 2 LB/CF DENSITY.



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CONFLICTS:

GENERAL NOTES THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR PROVIDING CONTINUOUS RETURN AIRFLOW PASSAGES FROM THE RETURN GRILLE(S) TO THE RESPECTIVE AIR HANDLER INLET AS NECESSARY. CONSULT HAMILTON AIR.

ISOMETRIC VIEW

ALL FAN COIL UNITS SHALL BE PROVIDED WITH 1", INSULATED COOPER CONDENSATE DRAINS. THE DRAINS SHALL DISCHARGE INTO A SUITABLE RECEPTOR (FUNNEL DRAIN, ETC.). THE PLUMBING CONTRACTOR SHALL PROVIDE THE RECEPTOR.

ALL WORK SHALL COMPLY WITH THE APPLICABLE SECTION OF THE BUILDING CODE. CITY OF NEW YORK, EFFECTIVE DECEMBER 6, 1968, AND ALL THE AMENDMENTS, RULES AND REGULATIONS OF THE DEPARTMENT OF BUILDINGS TO DATE. THE VENTILATION INDEX FOR ALL AREAS COMPLIES WITH THE MINIMUM CODE

REQUIREMENTS PER (C26-1206.2) 27-753 AND (C26-1206.3) 27-754. ALL CALCULATIONS OF THE VENTILATION INDEX ARE MADE WITHOUT TAKING ANY CREDIT FOR EXTERIOR WINDOW AND/OR OPENINGS IN AIR CONDITIONED SPACE.

ALL TOILET ROOMS TO BE VENTILATED IN ACCORDANCE WITH SECTION (C26-1207.3)27-759.INSTALL ALL NEW WORK IN A NEAT WORKMANLIKE MANNER, READILY ACCESIBLE FOR

OPERATION, MAINTENANCE AND REPAIR.

/ DUCT MOUNTED

SUPPLY

REQUIRED

DAMPER (VD)

4 TYPICAL SUPPLY OUTLET DETAIL

MECHANICAL NOTES

M-200 NOT TO SCALE

PLAN VIEW

MATERIALS AND EQUIPMENT SUBJECT TO CONTROLLED INSPECTION:

MECHANICAL VENTILATION, AIR CONDITIONING AND REFRIGERATION. INSPECTION AND TESTS OF THE REQUIRED VENTILATION SYSTEMS AS PER (C26-1301.2) 27-779. INSPECTION AND TEST OF THE REFRIGERANT SYSTEMS AS PER (C26-1301.4)

27-781 RS 13-6.

<u>DUCTWORK</u> ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH

SMACNA HVAC DUCTWORK CONSTRUCTION STANDARDS. PROVIDE ALL SUPPORTING AND HANGING DEVICES IN ACCORDANCE WITH NEW YORK CITY BUILDING CODE AND SMACNA.

THAN #24 GAGE SHALL BE USED. TURNING VANES SHALL BE PROVIDED IN ALL

PROPER BALANCING OF SYSTEM. ALL VOLUME CONTROLS SHALL BE LOCATED AS FAR FROM THE GRILL AS POSSIBLE TO REDUCE NOISE AT THE GRILLE. IT IS INTENDED THAT THE DUCTWORK BE DESIGNED TO ALLOW VOLUME CONTROLS TO BE LOCATED ABOVE CLOSETS, CABINETS OR OTHER PLACES WHERE ACCESS PANELS CAN BE INSTALLED.

A SMOKE DEVELOPED RATING OF NOT MORE THAT 50 WHEN TESTED IN

INTERRUPTED AT FIRE DAMPERS, HEATING COILS, AIR HANDLERS, ETC. AS

SUPPLY AND RETURN DUCTWORK INSTALLED OUTDOORS SHALL BE PROVIDED WITH DUCTLINER AS SPECIFIED ABOVE AND SHALL ALSO BE EXTERNALLY INSULATED WITH 2" THICK FIBERGLASS DUCT BOARD WITH FSK FACING, JOHNS MANVILLE "800 APPLYING WEATHER BARRIER MASTIC WITH FIBERGLASS MESH REINFORCING TO ALL SURFACES. DUCTWORK IN UNCONDITIONED SPACES SHALL BE PROVIDED WITH R-8

<u>THERMOSTAT</u>

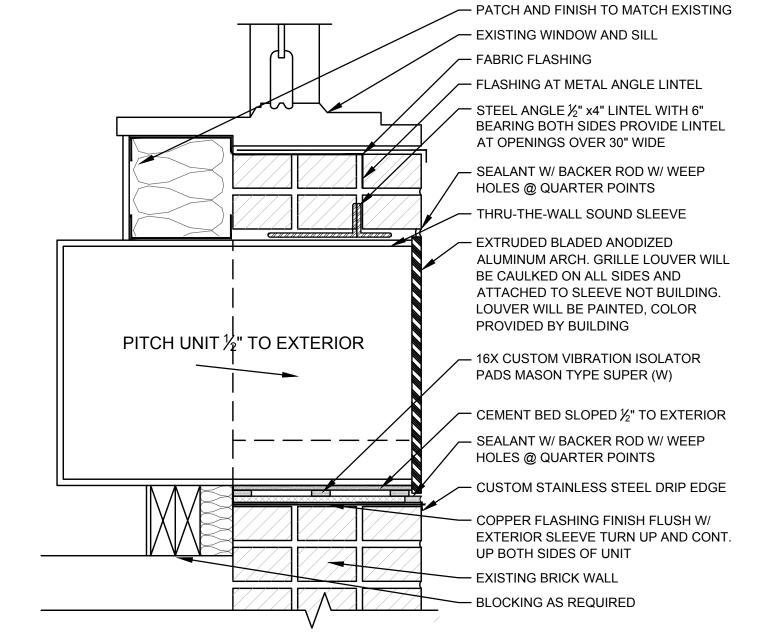
WIRES FROM REMOTE SENSORS TO THERMOSTAT OR THERMOSTAT/HUMIDISTAT SHALL BE #18 GAUGE 6 CONDUCTOR MINIMUM. PROVIDE BY LICENSE ELÉCTRICIAN. <u>FIRE DAMPER</u>

ALL DAMPERS SHALL BE PROVIDED WITH ACCESS DOORS TO ALLOW FURTHER INSPECTION AND TESTING BY CONTRACTOR.

MATERIALS

FLEXIBLE CONNECTIONS: AT FANS SHALL BE NEOPRENE COATED FLAME RETARDANT GLASS FABRIC (COMPLYING WITH NFPA 90) WITH SEAMS AND CEMENTED SEAMS. ACOUSTICALLY LINED DUCTWORK: PROVIDE MATT-FACED GLASS DUCT LINES, 1"

VOLUME DAMPERS: DAMPERS SHALL BE GALVANIZED STEEL OR SAME MATERIAL AS DUCT CONSTRUCTION.



5 DETAIL AT CONDENSER WALL PENETRATION

M-200 NOT TO SCALE

UNIT WILL BE HELD 2"-

THREADED ROD-

SUPPLY DUCT

WATER BUG-

AIR HANDLER HANGING - DETAIL

DISCONNECT SWITCH-

FLEXIBLE CONNECTION—

VIBRATION ISOLATOR SPRINGS

MODEL# 30N-X-X54 OR EQUAL

M-200 NOT TO SCALE

FROM CEILING

←HILTI TWO PART EPOXY

-CONDENSATE DRAIN WILL BE RUN TO

AN EXISTING INDIRECT FUNNEL WITH PRIMER AND ACCESS DOOR PROVIDED

-CONDENSATE LINE WILL BE SUPPORTED

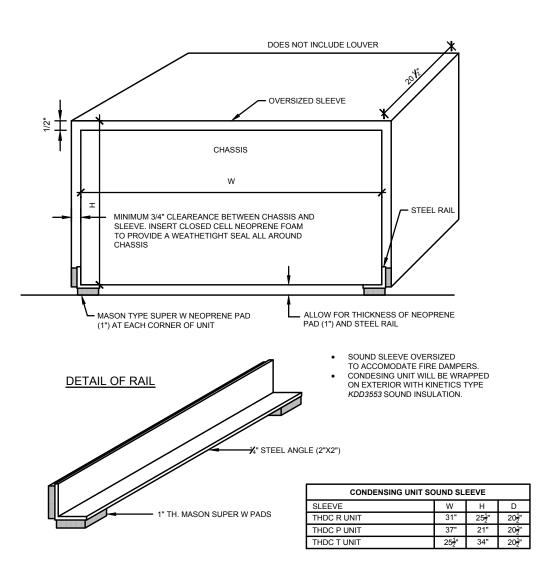
WITH 1 1/8" COPPER CLAMP TO SUPPORT

BY LICENSED PLUMBER.

LINE TO INDIRECT FUNNEL.

REFRIGERANT LINES TO

AIR HANDLER



DETAIL 'A'

LINING -

SEPARATE SPEED CLIP WASHER -

PINS SPOT WELDED

TO DUCTWORK —

MAX @ 16" TYP.— COATED SURFACE OF INSULATION EXPOSED

TO AIR STREAM-

TYPICAL STUD-WELDED PINS

SPEED CLIP WASHER PRESSED

DOWN OVER PIN TO LINING '

COMPLETE SURFACE

WELD-PIN STUD WELDED

DUCT WITH ASHESIVE NOT

TO DUCT (PINS FASTENED TO

2 SOUND LINING INSTALLATION DETAIL

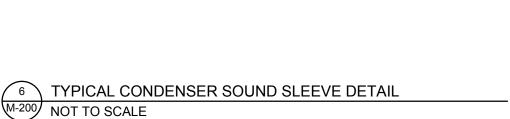
OF DUCT -

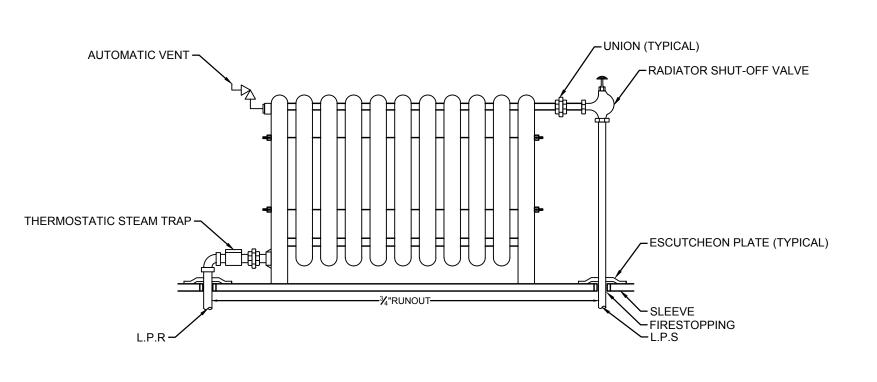
APPROVED) —

M-200 NOT TO SCALE

AND SPEED CLIP WASHER

(SEE DETAIL "A") —





UNDER SIDE OF SLAB

BEAM CLAMP

METHOD OF HANGING DUCTWORK

M-200 NOT TO SCALE

OR BEAM

BEAM ATTACHMENT

HANGER ROD

BEAM CLAMP

APPROVED INSERT &

DUCT HANGERS NOT -

LESS THAN 1"X1/8"

-ALL ENDS OF LINER

FROM EDGE OF LINER

DOWN OVÉR GRIP-PIN

COATED WITH ADHESIVE

ANCHOR



BUILDING NOTES

- A. CHANGES TO THE BUILDING'S HEATING SYSTEM WILL BECOME THE RESPONSIBILITY OF THE SHAREHOLDER BOTH IN TERMS OF PERFORMANCE AND MAINTENANCE. REPLACEMENT OF RADIATOR BRANCH PIPING IS REQUIRED WHERE EXPOSED, AND IS
- TO BE REVIEWED AT COMPLETION OF DEMOLITION. REPLACEMENT OF VALVES AND TRAPS FOR EXISTING RADIATORS IS TO BE COORDINATED WITH RESIDENT MANAGER
- RADIATOR ENCLOSURES MUST ALLOW FULL ACCESS TO RADIATOR, TRAP AND VALVE. WHERE A RADIATOR IS BEING REMOVED, PIPING MUST BE CAPPED BACK TO THE RISER SO AS NOT TO CREATE A RESONANT AIR CHAMBER.
- ALL STEAM RADIATORS NEED TO BE PITCHED, REGARDLESS OF WHETHER ONE-PIPE OR TWO 1220 PIPE. TWO-PIPE STEAM RADIATORS NEED TO BE PITCHED DOWN TO THE STEAM TRAP ON THE RETURN LINE CONNECTION.

06/08/17 M-200.00

DATE:

REVISIONS:

2 OF 2

05/16/17

ELECTRICAL DEMOLITION NOTES

- THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF ELECTRICAL WORK AS DESCRIBED IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT.
- THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ARCHITECTURAL AND ELECTRICAL LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION PLANS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE DE- ENERGIZED AND DISCONNECTED AT THE SOURCE OF POWER SUPPLY.
- THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING ELECTRICAL SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
- DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
- THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS, SWITCHES AND OTHER DEVICES, COMPLETE WITH ASSOCIATED WIRING, CONDUITS, ETC., FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING WIRING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BYPASS CONNECTIONS NECESSARY TO MAKE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO THE NEAREST ELECTRICAL JUNCTION BOX THAT IS TO REMAIN OR TO PANELBOARD.
- ALL RACEWAYS WHICH BECOME EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REPOUTED CONCEALED BEHIND FINISHED SURFACES.
- ALL UNUSED OUTLET BOXES OR CAPPED FLOOR OUTLETS SHALL BE PROVIDED WITH MATCHING BLANK COVERS.
- EXISTING PANEL DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE MODIFIED TO REFLECT THE BRANCH CIRCUIT WIRING CHANGES.
- PORTIONS OF FEEDER RUNS TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ENERGIZED, SHALL BE CUT AT CONVENIENT LOCATIONS. REROUTED AND RECONNECTED. NEW FEEDER EXTENSIONS SHALL MATCH EXISTING ONES IN ALL RESPECTS, CABLE TYPE, CONDUCTOR AMPACITY, CONDUIT SIZES, ETC.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW CLOSELY THE ARCHITECT'S DEMOLITION AND PHASING SCHEDULE AND PROCEED IN THE SPECIFIED SEQUENCE.
- ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT. SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR, AS DIRECTED BY THE OWNER.
- ALL EXISTING DATA OUTLETS IN AREA OF SCOPE OF WORK SHALL BE REMOVED REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- FINAL DISCONNECTS OF FIRE ALARM DEVICES NO LONGER IN USED TO BE MADE BY BUILDING FIRE ALARM CONTRACTOR. ALL EXISTING DEVICES TO REMAIN AND TO BE REUSED ARE TO BE DISMOUNTED AND SAFED OFF AND PROTECTED FOR INSTALLATION AFTER THE DEMOLITION

GENERAL NOTES

- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC, SIZES AND LOCATION OF EQUIPMENT AND WIRING ARE SHOWN TO SCALE WHERE POSSIBLE, BUT MAY BE DISTORTED FOR CLARITY ON THE DRAWINGS. FINAL LOCATION OF OUTLETS AND EQUIPMENT SHALL BE AS APPROVED BY THE ARCHITECT OR HIS REPRESENTATIVE. IT IS NOT WITHIN THE SCOPE OF DRAWINGS TO SHOW ALL NECESSARY BENDS, OFFSETS, PULL BOXES AND OBSTRUCTIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL HIS WORK TO CONFORM TO THE STRUCTURE, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAN.
- BIDDERS, BEFORE SUBMITTING A PROPOSAL, SHALL VISIT AND CAREFULLY EXAMINE THE AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH THE DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THIS WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR. EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH EXAMINATION BEEN MADE.
- FURNISH AND INSTALL WIRING FOR EQUIPMENT FURNISHED BY OTHERS, AS SHOWN ON ARCHITECTURAL, HVAC, PLUMBING AND/OR ELECTRICAL DRAWINGS. COORDINATE WITH OTHER TRADES FOR DETAILS OF INSTALLATION AND WIRING REQUIREMENTS. THE TERM "WIRING" AS USED HEREIN SHALL INCLUDE FURNISHING AND INSTALLING CONDUIT, WIRES, JUNCTION/OUTLET BOXES. DISCONNECTS. OVERCURRENT PROTECTION AND FINAL CONNECTIONS. COORDINATE FINAL CONDUCTOR SIZES, QUANTITIES, VOLTAGE REQUIREMENTS, AND OVERCURRENT DEVICE AND OUTLET RATINGS WITH ACTUAL EQUIPMENT TO BE FURNISHED TO THE SITE PRIOR TO FINALIZING WIRING INSTALLATION. MINOR ADJUSTMENTS TO WIRING REQUIREMENTS NECESSARY TO ACCOMMODATE ACTUAL FURNISHED EQUIPMENT SHALL BE PROVIDED AT NO ADDITIONAL COST TO OWNER.
- VERIFY LOCATIONS AND QUANTITY OF ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL DRAWINGS OR INTERIOR DETAILS. IN CENTERING OUTLETS AND LOCATING BOXES OR OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS, MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILING, ETC., AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE
- ALL WORK SHOWN ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR, UNLESS OTHERWISE INDICATED.
- SEE MECHANICAL CONTRACT DOCUMENTS FOR EXACT QUANTITY, LOCATION AND ELECTRICAL CHARACTERISTICS OF MECHANICAL EQUIPMENT.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTION TO EQUIPMENT TERMINALS, IF NOT AN INTEGRAL PART OF THE EQUIPMENT, AND SPLICES SHALL BE BY MEANS OF APPROVED COMPRESSION TYPE COPPER CONNECTORS.
- SEE ARCHITECTURAL ELEVATIONS AND DETAILS FOR EXACT QUANTITY & LOCATIONS AND MOUNTING HEIGHTS OF RECEPTACLES AND OUTLETS FOR ELECTRICAL DEVICES, WHERE
- COORDINATE LOCATION OF ALL DEVICES (I.E., DETECTORS, FIXTURES, AND ALL OTHER CEILING MOUNTED DEVICES) WITH OTHER TRADES (I.E., DUCTWORK, SPRINKLERS, ETC.).
- LIGHTING AND APPLIANCE CIRCUIT NUMBERS NOTED ON PLANS ARE INTENDED AS A GUIDE. FINAL NUMBERING SYSTEM TO BE NOTED ON AS-BUILT DRAWINGS AND ON TYPED PANELBOARD DIRECTORY CARDS.
- WHEREVER A CIRCUIT OR HOMERUN IS NOTED (I.E., AT EACH LOCATION WHERE A JUNCTION/PULL BOX WITH A HOMERUN NOTATION IS INDICATED FOR AN ITEM OF EQUIPMENT. AT EACH LOCATION WHERE A DISCONNECT SWITCH FOR A MOTOR IS INDICATED WITH THE FEEDER SIZING PER SCHEDULE, ETC.) CONNECT THE ITEM WITH THE REQUIRED CONDUIT AND WIRE FROM SOURCE TO LOAD.
- QUANTITY AND SIZE OF WIRE (CABLE) AND SIZE OF CONDUIT SHALL BE AS REQUIRED BY CODE IF NOT SPECIFICALLY INDICATED, NOTED SIZES ARE FOR REFERENCE AND ARE MINIMUMS. INCREASE WIRE SIZE AS REQUIRED FOR VOLTAGE DROP.
- 14. PROVIDE ALL REQUIRED GROUNDING. ALL GROUND WIRE SHALL BE ENCLOSED IN CONDUIT.
- 15. PROVIDE ALL AUXILIARY STEEL MEMBERS AS REQUIRED FOR THE SUPPORT OF ELECTRICAL WORK TO BUILDING STRUCTURE. SECURE ALL SUPPORTS TO BUILDING STRUCTURE AS
- 16. RACEWAY ROUTING SHOWN IS DIAGRAMMATIC AND INDICATES GENERAL INTENT, ACTUAL ROUTING MUST BE COORDINATED WITH FIELD CONDITIONS AND ADJUSTED AS REQUIRED.
- 17. UNLESS OTHERWISE INDICATED ALL RACEWAYS SHALL BE INSTALLED CONCEALED IN FINISHED AREAS.
- 18. RUN EXPOSED RACEWAYS PARALLEL TO OR AT RIGHT ANGELS TO WALLS. ALL EXPOSED CONDUITS SHALL BE RUN AT OR CLOSE TO CEILING LEVEL U.O.R.
- 19. MINIMUM CONDUCTOR SIZE. UNLESS OTHERWISE NOTED. SHALL BE #12 AWG FOR ALL BRANCH CIRCUIT RUNS UP TO THE FIRST OUTLET; OVER 100 FEET, #10 AWG; OVER 150 FEET, #8 AWG; AND INCREASE CONDUIT SIZE TO SUIT, QUANTITY OF CONDUCTORS SHALL BE AS REQUIRED.
- 20. FURNISH FISH WIRE IN EACH RACEWAY RUN IN WHICH WIRING IS NOT INSTALLED.
- 21. WIRING TO AND FROM AN ITEM SHALL BE SIZED THE SAME UNLESS OTHERWISE REQUIRED.
- 22. PIPE SLEEVES SHALL BE PROVIDED WHERE CONDUITS ARE ROUTED THROUGH FOUNDATION WALLS. PIPE SLEEVES SHALL BE GROUTED IN WALLS. SEALANT SHALL BE APPLIED AROUND THE CONDUIT IN THE SLEEVE IN ORDER TO PREVENT INGRESS OF MOISTURE. THE WALL
- 23. PROVIDE THE DIRECTORY FOR EACH PANELBOARD.

PENETRATION SHALL BE COMPLETELY WATERPROOFED.

- 24. PROVIDE ALL REQUIRED LUGS, BUS BAR EXTENSIONS, ENCLOSURE MODIFICATIONS ETC. TO
- 25. BOLT ON TYPE LUGS SHALL BE FASTENED WITH TWO BOLTS MINIMUM.

MAKE ALL REQUIRED CONNECTIONS (BUS TAPS, FEEDER TAPS, ETC.).

26. INTERCONNECT DEVICES/FIXTURES WITH SAME CIRCUIT NUMBER WITH REQUIRED WIRE AND CONDUIT AND ENERGIZE FROM CIRCUIT IN ASSOCIATED PANEL.

- 27. PROVIDE ALL REQUIRED PULL, JUNCTION, OUTLET BOXES AND TROUGHS.
- 28. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE.
- 29. PROVIDE BACKBOXES FOR ALL DEVICES, EQUIPMENT, ETC.
- 30. IN COMMON PULL BOXES PROVIDE METAL PARTITIONS TO SEPARATE THE FOLLOWING WIRE TYPES FROM EACH OTHER:
- POWER CONTROL AND INDICATING
- COMMUNICATION
- 31. PROVIDE BLANK COVER PLATES OVER ALL UNUSED OPENINGS IN PANELBOARDS. PULL AND JUNCTION BOXES AND TROUGHS.
- 32. INSTALL AND CONNECT EVERY STARTER AND VARIABLE FREQUENCY DRIVE FURNISHED BY OTHER TRADES/VENDORS ON THIS PROJECT.
- 33. RATING OF DISCONNECT SWITCHES TO MATCH OVERCURRENT PROTECTIVE DEVICE U.O.N.
- 34. EXIT LIGHTS, EMERGENCY BATTERY PACKS & NIGHT LIGHTS SHALL NOT BE SWITCHED U.O.N. CONNECT TO UNSWITCHED LEG OF ASSOCIATED CIRCUIT. PROVIDE CODE COMPLIANT EMERGENCY BATTERY PACKS.
- 35. PROVIDE ALL NECESSARY TEMPORARY AND INTERIM ELECTRICAL POWER WORK (PANELS, DISCONNECT SWITCHES, WIRE, CONDUITS, BREAKERS, CONNECTIONS, FUSES, GENERATORS, FUEL, ETC.) REQUIRED TO INSTALL THE PERMANENT WORK FOR ALL TRADES.
- 36. LOCATE JUNCTION AND PULL BOXES TO BE CONCEALED IN FINISH SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES WHERE NECESSARY FOR WIRE PULLING. COORDINATE ALL BOX LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE.
- 37. UPON COMPLETION OF ALL ELECTRICAL WORK, ELECTRICAL CONTRACTOR SHALL ADJUST AND TEST ALL CIRCUITS, OUTLETS, SWITCHES, LIGHTS, MOTORS AND ANY OTHER ELECTRICAL ITEMS INSTALLED. ANY DEFECTIVE ITEMS SHALL BE IMMEDIATELY REPAIRED OR REPLACED WITH NEW EQUIPMENT OR MATERIALS AND THAT PORTION OF THE SYSTEM SHALL BE RETESTED. ALL SUCH REMEDIAL WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- 38. UPON COMPLETION OF ALL ELECTRICAL WORK, ELECTRICAL CONTRACTOR SHALL BALANCE ALL PANELBOARDS AFFECTED TO WITHIN 10% DEVIATION BETWEEN PHASES.
- 39. AFTER COMPLETION OF WORK, CLEAN UP ALL RESULTANT DEBRIS AND REMOVE FROM THE
- 40. PROVIDE GFI TYPE PROTECTION FOR ANY DEVICE WITHIN 6' OF WATER OR LIQUIDS.
- 41. THE CONTRACTOR SHALL TAG EACH AND EVERY PANELBOARD, DISCONNECT SWITCH MOTOR
- 42. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE FOLLOWING CODES AND
- BUILDING CODE
- OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
- G. ALL LOCAL JURISDICTION DIRECTIVES AND REQUIREMENTS.
- CONTROL VOLUME BOXES, DAMPERS, FIRE SMOKE DAMPERS, ETC. COORDINATE EXACT CONNECTION POINTS WITH HVAC CONTRACTOR.
- - A. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING EMPTY CONDUITS, RACEWAYS, BOXES, PULL STRING (DRAG LINE), ETC. FOR VARIOUS LOW VOLTAGE SYSTEMS SUCH AS:

 - SECURITY
 - d) AUDIO/VISUAL
 - e) OTHER SYSTEMS AS REQUIRED.
 - VOLTAGE SYSTEM CONTRACT DOCUMENTS.
 - WIRING AND CONNECTIONS ARE FURNISHED AND INSTALLED SEPARATE FROM
- 45. ALL PANELS, SWITCHBOARDS, SWITCHGEAR AND DISCONNECT BUSSES SHALL BE COPPER.
- 46. ELECTRICAL CONNECTIONS TO ALL VIBRATION-ISOLATED EQUIPMENT INCLUDING PUMPS, FANS SHOULD BE MADE WITH FLEXIBLE CONDUIT, NOT LESS THAN 2' IN LENGTH AND
- 47. ALL WIRING TO BE IN CONDUIT/EMT AND ALL CONDUIT TO BE SUPPORTED BY STANDOFF,
- 49. AT CLOSE OUT OF JOB, UNDERWRITERS CERTIFICATE IS TO BE PROVIDED TO PROPERTY
- 50. ALL WORK SHALL COMPLY WITH BUILDING RULES AND REGULATIONS.

ABBREVIATIONS

- ABOVE COUNTER ABOVE FINISH FLOOR AMERICAN WIRE GAUGE BUILDING CONDUIT
- CIRCUIT BREAKER CIRCUIT
- CENTER LINE DIAMETER
 - DISCONNECT SWITCH
 - DRAWING EXISTING TO REMAIN
 - ELECTRICAL CONTRACTOR EQUIP, EQPT EQUIPMENT
- EXISTING TO BE RELOCATED EXISTING
- FIRE ALARM FURNISHED BY OTHER DIVISION OF WORK FB0

HIGH VOLTAGE

JUNCTION BOX

KILOWATTS

KILOVOLTS AMPERE

KILOWATTS HOUR

MAIN CIRCUIT BREAKER

THOUSAND CIRCULAR MILS

MECHANICAL EQUIPMENT ROOM

MOTOR CONTROLLER

MAIN FUSED SWITCH

MAIN UNFUSED SWITCH

NATIONAL ELECTRICAL CODE

MAIN LUGS ONLY

NOT IN CONTRACT

OCCUPANCY SENSOR

PERSONAL COMPUTER

RELOCATED EXISTING

NOT TO SCALE

PULL BOX

PHASE

PANEL

REMOVE

RECEPTACLES

SPECIFICATION

REQUIRED

SWITCH

TYPICAL

UNFUSED

WATT

UNLESS OTHERWISE NOTED

VOLT OR VOLTAGE

WORKSTATION

WEATHERPROOF

TRANSFORMER

TIMECLOCK

MOUNTED

MOUNTING

INTERRUPTING CAPACITY

INDICATES ISOLATED GROUND OUTLET

- FAN COIL UNIT FEET OR FOOT
- G, GRD GROUND GROUND FAULT INTERRUPTER HORSE POWER

JB, J

MUFS

NEC

SPEC

- STARTER OR CONTROLLER AND CONTROL DEVICE INSTALLED OR WIRED UNDER THIS CONTRACT, TAGGING SHALL BE BY MEANS OF ENGRAVED PHENOLIC NAMEPLATES (WHITE LETTERING, BLACK BACKGROUND). LABEL ALL OUTLETS WITH CIRCUIT NUMBERS.
- STANDARDS:
- A. UNDERWRITERS LABORATORIES, INC. (UL)
- NATIONAL ELECTRICAL CODE WITH LOCAL AMENDMENTS
- LOCAL ENERGY CONSERVATION CONSTRUCTION CODE
- AMERICAN DISABILITIES ACT (ADA)
- 43. REFER TO MECHANICAL DRAWINGS FOR EXACT QUANTITIES AND LOCATIONS FOR VAV BOXES,
- 44. MISCELLANEOUS LOW VOLTAGE SYSTEMS

 - a) TELECOMMUNICATION
 - b) CABLE TV

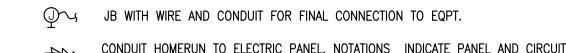
 - SPECIFIC REQUIREMENTS OF EACH SYSTEM SHALL BE AS OUTLINED IN RELEVANT LOW
 - B. ALL THE ABOVE SYSTEMS CENTRAL EQUIPMENT, DEVICES AND VARIOUS COMPONENTS, ELECTRICAL WORK.
- C. THE CONTRACTOR SHALL PROVIDE ALL POWER CIRCUITRY AS REQUIRED FOR LOW VOLTAGE SYSTEMS CENTRAL EQUIPMENT AND DEVICES. FINAL LOCATIONS AND POWER REQUIREMENTS FOR THESE ITEMS SHALL BE COORDINATED WITH RESPECTIVE CONSULTANTS.
- ALL WIRING AND TRANSFORMER WINDINGS SHALL BE COPPER. ALUMINUM BUSSES AND WIRING ARE NOT PERMITTED.
- INSTALLED IN A COMPLETE 360° LOOP.
- NOT WIRED CEILING SUPPORTS.
- 48. ALL ELECTRICAL BOXES TO BE 4"X4".
- MANAGER/ LANDLORD.
- 51. ALL MOTOR LOADS ARE TO BE PROVIDED WITH HMCP TYPE BREAKERS

ELECTRICAL DRAWING LIST

- DRAWING # DRAWING TITLE ELECTRICAL SYMBOL LIST AND GENERAL NOTES. E-001.00 E-002.00 ELECTRICAL SPECIFICATIONS I E-003.00 ELECTRICAL SPECIFICATIONS II E-100.00 ELECTRICAL LIGHTING PLAN E-200.00 ELECTRICAL POWER PLAN
 - E-300.00 ELECTRICAL POWER RISER DIAGRAM & SCHEDULE
 - E-400.00 ELECTRICAL DETAILS

ELECTRICAL SYMBOLS

① / ① JUNCTION BOX. CEILING MOUNTED / WALL MOUNTED



NUMBER. QUANTITY OF HALF ARROWS INDICATE NUMBER OF CIRCUITS UNLESS OTHERWISE INDICATED. WALL MOUNTED LIGHT SWITCH, LUTRON MAESTRO WIRELESS OR OTHER COMPATIBLE

WALL MOUNTED 3-WAY LIGHT SWITCH, 20A RATED

SURFACE MOUNTED LIGHTING OR RECEPTACLE PANEL

WITH OCCUPANCY SENSOR. 'a' INDICATES ZONE.

METER/ CT CABINET

DISCONNECT SWITCH FUSED DISCONNECT SWITCH

JUNCTION BOX AND THERMAL DISCONNECT SWITCH MOTOR AND DISCONNECT SWITCH. REFER TO MECHANICAL DRAWINGS FOR HP

RATINGS. NUMERICAL INDICATES AMPERAGE RATING. GROUND CONNECTION

PLAN NOTE NOTATION

WALL MOUNTED DUPLEX ELECTRICAL OUTLET.

120V SMOKE CARBON MONOXIDE DETECTOR

ALL OUTLETS 20A RATED U.O.N.

GROUND BAR. REFER TO DETAILS

WALL MOUNTED DOUBLE DUPLEX ELECTRICAL OUTLET.

REVISION DELTA SURFACE MOUNTED DOWNLIGHT

RECESSED DOWNLIGHT ST DA STRIP LIGHT, DOOR ACTIVATED ST SS STRIP LIGHT, SELF SWITCH

) ws

OCCUPANCY GROUP: ZONING USE GROUP: NO. OF STORIES: . OF RESIDENTIAL UNITS:

Green: Solution:

ARTACHO/OH RESIDENCE

1220 PARK AVE, APT 4B

AREA OF WORK

NY, NY 10128

CONSULTING ENGINEERS, PC 104-15 95th Avenue, Ozone Park, NY 11416 T: 917-362-6719; F: 718-805-6102 www.greensolutionspc.com

RESIDENTIAL, MULTI-FAMILY BUILDING

SUBMISSIONS:

DATE	ISSUE
05/29/17	ISSUE FOR 100%
06/01/17	REVISED AS PER COMMENTS
	_

PROJECT TITLE: ARTACHO/OH RESIDENCE 1220 PARK AVE, APT 4B NY, NY 10128

DRAWING TITLE:

ELECTRICAL SYMBOLS. ABBREVIATIONS. NOTES & DRAWINGS LIST



SSUE DATE: 5/23/17 PROJECT NO.: 720 DRAWN BY: MSB

THESE PLANS ARE APPROVED ONLY FOR THE WORK ON THE APPLICATION SECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS FITHER

BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

CHECKED BY: B.B. SCALE: NTS E-001.00

CAD FILE: SHEET 1 OF NYC DOB #

ELECTRICAL SPECIFICATION

PART 1 GENERAL

1.01 GENERAL REQUIREMENTS:

- A. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE ELECTRICAL CODE OF THE CITY OF NEW YORK, THE NEW YORK CITY BUILDING CODE, BUILDING MANAGEMENT AND ALL AUTHORITIES HAVING JURISDICTION (AHJ). APPLICABLE NATIONAL, STATE AND LOCAL CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK SHALL BE INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS.
- B. IF A CONFLICT OCCURS IN THE SPECIFICATIONS AND/OR ON THE DRAWINGS, THE MORE STRINGENT SITUATION SHALL APPLY.
- C. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THIS WORK. FINAL ACCEPTANCE SHALL BE DEFINED AS THE TIME AT WHICH THE ELECTRICAL WORK IS TAKEN OVER AND ACCEPTED BY THE OWNER. ENGAGE THE SERVICES OF VARIOUS MANUFACTURERS SUPPLYING THE EQUIPMENT FOR THE PROPER STARTUP, OPERATION AND TRAINING OF ALL SYSTEMS INSTALLED. INSTRUCT THE OWNERS PERSONNEL IN THE PROPER OPERATION AND SERVICING OF THE EQUIPMENT.
- D. ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE CAREFULLY THE EXISTING AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK. CONTRACTOR SHALL PERFORM THIS, PRIOR TO SUBMITTING HIS PROPOSAL. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN UNDERTAKEN.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL DEVICES INCLUDING DIMENSIONS AND ELEVATIONS. WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS.
- ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE DRAWINGS. ANY EQUIPMENT, MATERIALS, ACCESSORIES, OR LABOR REQUIRED FOR PROPER AND COMPLETE INSTALLATION OF THE ELECTRICAL WORK SHALL BE FURNISHED AND INSTALLED AS PART OF THE ORIGINAL BID.
- G. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST COPY OF THE BUILDING RULES AND REGULATIONS TO DETERMINE THE EXTENT OF PREMIUM TIME WORK REQUIRED. BASE BUILDING SYSTEM INTERRUPTIONS ARE TO BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. COORDINATE WITH BUILDING OWNER FOR ANY SERVICE INTERRUPTION OF EXISTING SYSTEMS AND GIVE NOTICE AS REQUIRED BY BUILDING RULES AND REGULATIONS.
- H. ANY DAMAGE TO EXISTING PARTITIONS, FLOORS, CEILINGS OR ANY PART OF THE BUILDING OR EQUIPMENT HOUSED THEREIN CAUSED BY THE WORK OF THE CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- I. ALL NEW MATERIALS REQUIRED SHALL CONFORM WITH THE STANDARDS OF THE UNDERWRITERS LABORATORIES, INC. (UL) IN EVERY CASE WHERE SUCH A STANDARD EXISTS.
- J. DURING THE PROJECT DURATION, THE BUILDING MANAGEMENT OFFICE AND ITS DESIGNATED REPRESENTATIVE SHALL BE ABLE TO INSPECT THE WORK IN PROGRESS. ANY WORK WHICH THE BUILDING MANAGEMENT DEEMS UNACCEPTABLE SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF CONTRACTOR/TENANT.
- K. ALL EQUIPMENT INSTALLED OR CONNECTED INTO THE BUILDING RISERS, SYSTEMS, AND INFRASTRUCTURE SHALL BE APPROVED IN ADVANCE BY THE BUILDING PRIOR TO INSTALLATION.

1.02 SCOPE OF WORK:

- A. PROVIDE ALL LABOR. MATERIALS AND EQUIPMENT NECESSARY FOR COMPLETE, SAFE INSTALLATION OF ALL ELECTRICAL WORK. THE SCOPE OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
- INSTALLATION OF LIGHTING FIXTURES AND LAMPS INCLUDING EXIT AND
- EMERGENCY LIGHTING. INSTALLATION OF WALL SWITCHES, RECEPTACLES, VOICE/DATA, OUTLETS, ETC.
- INSTALLATION OF NEW RACEWAY AND CONDUCTORS FOR LIGHTING AND POWER. 4. ADDITION OR MODIFICATION OF EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT. 5. INSTALLATION OF MECHANICAL EQUIPMENT FEEDERS AND FINAL CONNECTIONS TO MECHANICAL EQUIPMENT.
- 6. GROUNDING OF ALL EQUIPMENT AS REQUIRED BY CODE AND AS SPECIFIED.
- MODIFICATION OF EXISTING FIRE ALARM SYSTEM. TEMPORARY LIGHTING AND POWER DURING CONSTRUCTION.
- CUTTING, CHANNELING, CORING, AND CHASING REQUIRED TO ACCOMMODATE ELECTRIC INSTALLATION AND ROUGH PATCHING.
- 10. DEMOLITION AND REMOVAL OF ELECTRICAL EQUIPMENT AS REQUIRED
- INCLUDING ALL CONDUCTORS AND CONDUIT BACK TO THEIR SOURCE. 11. MAINTENANCE AND PROPER OPERATION OF EXISTING BASE BUILDING SYSTEMS WITHIN THE CONTRACT AREA IN ACCORDANCE WITH THE REQUIREMENTS OF BUILDING MANAGEMENT.
- 12. PROVISION OF SECURITY SYSTEM INFRASTRUCTURE AS DETAILED.
- 13. PROVISION OF AUDIO VISUAL SYSTEM INFRASTRUCTURE AS DETAILED. 14. RECEIPT AND INSTALLATION OF DEVICES, EQUIPMENT, SYSTEMS, SUPPLIED BY
- OTHERS AS DETAILED. 15. COORDINATION WITH OTHER TRADES.

1.03 SUBSTITUTIONS:

- A. NO SUBSTITUTE MATERIAL OR MANUFACTURER OF EQUIPMENT SHALL BE PERMITTED WITHOUT A FORMAL WRITTEN SUBMITTAL TO THE ENGINEER WHICH INCLUDES ALL DIMENSIONAL, PERFORMANCE AND MATERIAL SPECIFICATIONS. ANY CHANGES IN LAYOUT, MECHANICAL CHARACTERISTICS, STRUCTURAL REQUIREMENTS, OR DESIGN DUE TO THE USE OF A SUBSTITUTION SHALL BE SUBMITTED TO THE ENGINEER AS PART OF THIS PROPOSAL. THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR THE SUBSTITUTION AND ALL CHANGES RESULTING FROM SUBSTITUTION. ALL ITEMS SHALL BE SUBMITTED FOR REVIEW IN CONJUNCTION WITH THE SUBMITTAL OF THE ALTERNATE. ANY SUBSTITUTION MUST BE SUBMITTED WITH AN EXPLANATION WHY SUBSTITUTION IS BEING UTILIZED. IF THE SUBSTITUTED ITEM DEVIATES FROM THE SPECIFIED ITEM. THOSE DEVIATIONS ARE TO BE IDENTIFIED ON A LINE BY LINE BASIS. IF THE SUBSTITUTION IS BEING UTILIZED FOR FINANCIAL REASONS, THE ASSOCIATED CREDIT MUST BE SIMULTANEOUSLY SUBMITTED.
- B. ALL SUBSTITUTED EQUIPMENT SHALL CONFORM TO SPACE REQUIREMENTS AND PERFORMANCE REQUIREMENTS SHOWN ON CONTRACT DOCUMENTS.
- C. CONTRACTOR SHALL SUBMIT BID BASED ON SPECIFIED ITEMS AND SHALL SUPPLY AS AN ALTERNATE PRICE ANY SUBSTITUTIONS.
- D. ALL EQUIPMENT SHALL BE APPROVED FOR USE IN NEW YORK CITY AND THE STATE OF NEW YORK.

1.04 SHOP DRAWINGS:

- A. SHOP DRAWINGS SUBMISSION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
- 1. DISTRIBUTION EQUIPMENT (PANELS, SWITCHES, ETC.).
- 2. OVERCURRENT PROTECTIVE DEVICES (FUSES AND BREAKERS).
- LIGHTING FIXTURES. 4. WIRING DEVICES.
- 5. FLOOR BOXES/ POKE THRU DEVICES.
- 6. GROUNDING EQUIPMENT/DEVICES. 7. CONDUIT, RACEWAYS, WIREWAYS
- 9. LIGHTING CONTROL SYSTEMS
- B. PROVIDE A MINIMUM OF THREE (3) COPIES OF 8-1/2"x 11" SUBMISSIONS AND TWO (2) SETS OF ALL DRAWINGS.

1.05 AS-BUILT DRAWINGS:

- A. CONTRACTOR SHALL MAINTAIN RECORD DRAWING PRINTS ON JOB SITE AND RECORD, AT TIME OF OCCURRENCE, DEVIATIONS FROM CONTRACT DOCUMENTS.
- B. CONTRACTOR SHALL REVISE SHOP DRAWINGS TO CONFORM TO RECORD DRAWINGS AND SUBMIT AN AS-BUILT CONDITION (DEVICES, EQUIPMENT, CIRCUITRY, ETC.) DRAWINGS, IN AUTOCAD FORMAT, UPON COMPLETION OF THE PROJECT. FINAL SUBMISSION OF AS-BUILT DRAWINGS TO BE CERTIFIED BY INSTALLING CONTRACTOR. LANDLORD TO RECEIVE ONE HARD COPY SET AND AUTOCAD DWG FORMAT DRAWINGS ON DISC OF AS-BUILT DRAWINGS.

1.06 UNIT PRICES:

- A. SUBMIT THE FOLLOWING LIST OF UNIT PRICES:
- 1. LIGHT FIXTURES -FOR EACH TYPE SPECIFIED ON DRAWINGS (\$/FIXTURE). 2. RECEPTACLES - ADD/DEDUCT PRICE FOR EACH TYPE SPECIFIED ON
- DRAWINGS (\$/RECEPTACLE). 3. DATA/TELEPHONE OUTLET -ADD/DEDUCT PRICE FOR WALL MOUNTED TELEPHONE OUTLET WITH 1" CONDUIT STUBBED INTO HUNG CEILING
- 4. RACEWAYS ALL SIZES ON PROJECT (\$/LIN FT), CONDUCTORS (\$/LIN FT),
- MC CABLE (\$/LIN FT)
- 5. ELECTRICAL PANELS ALL TYPES INDICATED ON DRAWINGS.

PART 2 PRODUCT/APPLICATION

2.01 WIRING DEVICES:

- A. WIRING DEVICES SHALL BE SPECIFICATION GRADE, DECORATIVE STYLE, UNLESS OTHERWISE NOTED.
- B. SWITCHES SHALL BE 120/277 VOLTS, RATED AT 20 AMPERES, QUIET OPERATION ROCKER TYPE.
- . DIMMERS SHALL BE RATED AT VOLTAGE COMPATIBLE WITH FIXTURE, WATTAGE SIZE AS REQUIRED. WHERE DIMMER SWITCHES ARE LOCATED NEXT TO SINGLE POLE OR VARIABLE SPEED TYPE SWITCHES, THE SINGLE POLE/VARIABLE SPEED SWITCHES SHALL MATCH THE DIMMING SWITCH STYLE. DIMMERS. WHERE GANGED TOGETHER. SHALL BE PROPERLY DERATED BASED ON MANUFACTURERS RECOMMENDATIONS. FINS OF DIMMERS SHALL NOT BE REMOVED IN MULTIGANG INSTALLATIONS. PROVIDE OVER-SIZED JUNCTION BOX FOR MOUNTING OF WALL DIMMERS.
- D. MULTIPLE DEVICES AT A COMMON LOCATION SHALL BE INSTALLED IN A COMMON MULTI-GANG BOX WITH A COMMON FACEPLATE. DERATE DIMMER SWITCHES PER MANUFACTURER'S REQUIREMENTS WHEN GANGED.
- E. RECEPTACLE SHALL BE 120V, 20A, 2P, 3W GROUNDING TYPE.
- F. DEVICES GANGED TOGETHER IN MULTI-GANG BOX SHALL BE MOUNTED UNDER A SINGLE COVERPLATE.

2.02 RACEWAYS:

- A. ALL WIRES SHALL BE RUN IN CONDUIT. [SEE WIRE AND CABLE SECTION 2.03A FOR ALTERNATE PRICING.
- B. FOR ALL SIZES OF CONDUIT LARGER THAN 1-1/2", USE STANDARD ELBOW.
- C. CONDUIT SHALL BE SECURELY FASTENED IN PLACE AND HANGERS, SUPPORTS OR FASTENINGS SHALL BE PROVIDED AT EACH ELBOW AND AT EACH END OF EACH STRAIGHT RUN TERMINATED AT A BOX OR CABINET.
- D. PROVIDE EXPANSION FITTINGS IN EACH CONDUIT RUN WHEREVER IT CROSSES AN EXPANSION JOINT AND WHEREVER THE CONDUIT LENGTH EXCEEDS 200 FEET.
- E. UNLESS OTHERWISE INDICATED OR SPECIFIED, ALL WIRING SHALL BE INSTALLED CONCEALED.
- FEEDERS AND BRANCH CIRCUITRY ABOVE HUNG CEILING AND IN PARTITIONS SHALL BE RUN IN ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS, LIGHT FIXTURES, AND EQUIPMENT SUBJECT TO VIBRATION WILL BE DONE WITH FLEXIBLE METALLIC CONDUIT (GREENFIELD). LENGTH SHALL NOT EXCEED 6 FEET.
- G. ALL CONDUIT IN MECHANICAL ROOMS, ELECTRICAL CLOSETS AND WHERE CONCEALED IN CONCRETE SHALL BE RIGID THREADED REGARDLESS OF SIZE.
- H. ELECTRIC METALLIC TUBING SHALL BE INDUSTRY STANDARD THIN WALL CONDUIT, HOT DIPPED GALVANIZED STEEL (3/4" MIN, 4" MAX).
- I. THE FLEXIBLE METALLIC CONDUIT SHALL BE OF THE GROUNDING TYPE. IT SHALL CONSIST OF GALVANIZED STEEL TAPE FORMED INTO AN INDUSTRY STANDARD INTERLOCKING COIL (3/4" MIN).
- J. RIGID METAL CONDUIT SHALL BE INDUSTRY STANDARD STEEL CONDUIT (3/4" MIN, 4" MAX.)
- K. THREADED FITTINGS SHALL BE USED WITH RIGID CONDUIT. DOUBLE SET SCREW OR COMPRESSION FITTINGS SHALL BE USED WITH EMT.
- L. ALL METAL CONDUIT TERMINATING IN A METAL ENCLOSURE SHALL HAVE AN INSULATED BUSHING. PROVIDE "GROUNDING" TYPE BUSHING WHERE REQUIRED.
- M. WHERE CONDUITS ARE RUN IN THE CEILING SPACE OF THE FLOOR BELOW. THEY SHALL BE CONTINUOUS AND HAVE NO JUNCTION OR PULL BOXES UNLESS PRIOR APPROVAL IS GIVEN BY BUILDING MANAGEMENT/CLIENT.

2.03 WIRE AND CABLE:

- A. METAL CLAD (TYPE MC) FOR CONCEALED BRANCH CIRCUITRY IN TENANT SPACE ONLY MAYBE USED WHEN APPROVED BY BUILDING MANAGEMENT AND WHERE PERMITTED BY CODE. EMT SHALL BE USED OUTSIDE TENANT SPACE AND IN BUILDING CLOSETS CONTRACTOR SHALL SUBMIT AN DEDUCT ALTERNATE PRICE FOR USE OF EMT THROUGHOUT IN SUBMISSION OF BID.
- B. ALL CONDUCTORS SHALL BE SOFT 98% MINIMUM CONDUCTIVITY PROPERLY REFINED COPPER, TYPE THHN/THWN INSULATED RATED AT 600V, UNLESS OTHERWISE
- C. THE MINIMUM WIRE SIZE FOR BRANCH CIRCUITS SHALL BE NO. 12 AWG EXCEPT 120 VOLT CIRCUITS OVER 100' IN LENGTH SHALL BE NO. 10 AWG.
- D. ALL WIRES NO. 10 AWG AND SMALLER SHALL BE SOLID, CONDUCTORS NO. 8 AWG AND LARGER SHALL BE STRANDED.
- E. COLOR CODING SHALL BE SIMILAR TO: 120/280V: PHASE 'A': BLACK, PHASE 'B': RED, PHASE 'C': BLUE, NEUTRAL: WHITE GROUND: GREEN. MATCH BUILDING STANDARD. REFER TO SPECIFICATION SECTION 3.02.B FOR PANELBOARD LABELING REQUIREMENTS.
- 277/480V: PHASE 'A': BROWN, PHASE 'B': YELLOW, PHASE 'C': ORANGE, NEUTRAL: GRAY OR WHITE WITH A COLORED STRIPE (NOT GREEN), GROUND: GREEN. MATCHING BUILDING STANDARD. REFER TO SPECIFICATION SECTION 3.02.B FOR PANELBOARD LABELING REQUIREMENTS.
- F. TAG ALL FEEDERS IN ALL PULL BOXES, GUTTER SPACES, AND WIREWAYS THROUGH WHICH THEY PASS.
- G. TERMINATE STRANDED CONDUCTORS NO. 6 AWG AND LARGER AT SWITCHBOARDS TRANSFORMERS, UPS SYSTEMS WITH COMPRESSION TYPE CONNECTORS. TERMINATE WITH MECHANICAL LUGS AT PANELBOARDS.
- H. JOIN OR TAP STRANDED CONDUCTORS (NO. 6 AWG AND LARGER) WITH PRESSURE INDENT TYPE CONNECTORS BURNDY, NEPCO, OR O.Z./GEDNEY WITH COMPOSITION INSULATING COVERS.
- . SPLICES IN BRANCH WIRING (NO. 8 AWG AND SMALLER) SHALL BE TWISTED AND MADE MECHANICALLY TIGHT; THEN SECURED WITH PIGTAIL CONNECTORS, CRIMP TYPE CONNECTORS SHALL NOT BE USED. UTILIZE UL LISTED, "SILICON FILLED" PIGTAIL CONNECTORS WHERE LOCATED IN WET ENVIRONMENTS OR OUTDOORS.
- J. SUPPORT CONDUCTORS IN VERTICAL RACEWAYS IN ACCORDANCE WITH THE NYCEC BASED ON CONDUCTOR SIZE AND VERTICAL DISTANCE.

2.04 PULLBOXES, JUNCTION BOXES AND OUTLET BOXES:

- A. PULLBOXES, JUNCTION BOXES AND OUTLET BOXES SHALL BE MANUFACTURED FROM GALVANIZED INDUSTRY STANDARD GAUGE SHEET STEEL
- B. PROVIDE PULL BOXES AND JUNCTION BOXES IN LONG STRAIGHT RUNS OF RACEWAY TO ASSURE THAT CABLES ARE NOT DAMAGED WHEN THEY ARE PULLED TO FULFILL REQUIREMENTS AS TO THE NUMBER OF BENDS PERMITTED IN RACEWAY BETWEEN CABLE ACCESS POINTS, THE ACCESSIBILITY OF CABLE JOINTS AND SPLICES, AND THE APPLICATION OF CABLE SUPPORTS.
- C. PULLBOXES AND JUNCTION BOXES SHALL BE SIZED SO THAT THE MINIMUM BENDING RADIUS CRITERIA SPECIFIED FOR THE WIRES AND CABLE ARE
- D. SWITCH RECEPTACLE AND WALL OUTLET BOXES SHALL BE A NOMINAL 4" SQUARE 1-1/2" OR 2-1/8" DEEP AS REQUIRED BY CODE WITH A RAISED COVER, UNLESS OTHERWISE INDICATED ON THE DRAWING.
- E. LIGHTING FIXTURE BOXES SHALL BE 4" OCTAGON TYPE, DEPTH AS REQUIRED WITH 3/8" FIXTURE STUD. FOR SUSPENDED CEILING WORK, PROVIDE A 4" OCTAGON BOX WITH REMOVABLE BACKPLATE WHERE REQUIRED.
- F. PULL/JUNCTION BOX BARRIERS SHALL BE PROVIDED WHERE REQUIRED BY CODE.
- G. ALL EQUIPMENT, DEVICE BOXES, JUNCTION BOXES, PULLBOXES AND OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO THE BOX.
- H. OUTLET BOXES SHALL BE PROVIDED FOR ALL LOW VOLTAGE DEVICES (I.E. TELEPHONE/DATA, SECURITY, FIRE ALARM, ETC.). COORDINATE BOX SIZE AND DEPTH WITH RESPECTIVE VENDOR.

2.05 SUPPORTS AND FASTENINGS:

- A. PROVIDE ALL STEEL SUPPORTING MEMBERS, HANGERS, BRACKETS OR OTHER SPECIAL DETAILS REQUIRED AND NECESSARY AS PER CODE.
- B. EXCEPT FOR BRANCH CIRCUITRY INSTALL ALL CONDUIT IN HUNG CEILING SPACE ON ACCEPTABLE HANGERS AND INSERTS. CONDUIT OR MC CABLE FOR BRANCH CIRCUITRY SHALL BE SUPPORTED BY CLAMPS OR PIPE STRAPS SECURED TO THE CEILING SUPPORT SYSTEM (BLACK IRON), FROM STRUCTURAL MEMBERS OR FROM THE DECK. SUPPORT FROM CEILING TEES, CROSS TEES OR SUPPORT WIRES IS PROHIBITED.
- C. SPACING OF SUPPORTS SHALL BE PER THE NYCEC.

2.06 DISCONNECT SWITCHES:

- A. INDOOR DISCONNECT SWITCHES SHALL BE "QUICK-MAKE, QUICK-BREAK," HEAVY DUTY TYPE IN NEMA 1 ENCLOSURES. PROVIDE ALL FUSES WHERE NOTED.
- B. OUTDOOR DISCONNECT SWITCHES SHALL BE SIMILAR TO INDOOR, EXCEPT LISTED FOR OUTDOOR APPLICATIONS (NEMA 3R OR 4, AS REQUIRED)

2.07 FUSES:

- A. FUSES SHALL BE CURRENT LIMITING TYPE WITH AN INTERRUPTING CAPACITY OF 200,000 RMS.
- B. THEY SHALL HAVE AVERAGE MELTING TIME-CURRENT CHARACTERISTICS TO MEET THE UL REQUIREMENTS FOR "CLASS K" 0-600 AMP FUSES AND "CLASS L" OVER 600 AMP FUSES.

2.08 CIRCUIT BREAKERS:

- A. FOR PANELBOARD APPLICATIONS, CIRCUIT BREAKERS SHALL BE BOLTED TO THE PANELBOARD BUS BARS. WHERE CIRCUIT BREAKERS ARE INSTALLED IN EXISTING PANELBOARD BREAKERS SHALL BE OF THE SAME MANUFACTURER AND INTERRUPTING RATING. BREAKERS SHALL BE COMPATIBLE WITH EXISTING PANELBOARD.
- B. CIRCUIT BREAKERS SHALL BE "THERMAL MAGNETIC" TYPE, QUICK-MAKE, QUICK- BREAK, TRIP-FREE WITH NON-WELDING CONTACTS COMPENSATED FOR AMBIENT TEMPERATURES AND SHALL HAVE A MINIMUM SHORT CIRCUIT RATING OF 10,000 AMPERES SYMMETRICAL FOR 120/280V PANELS.
- C. MULTIWIRE BRANCH CIRCUITS SUPPLYING POWER TO MORE THAN ONE DEVICE OR EQUIPMENT SHALL BE PROVIDED WITH A MEANS TO DISCONNECT SIMULTANEOUSLY ALL UNGROUNDED CONDUCTORS AT THE PANELBOARD WHERE THE BRANCH CIRCUIT ORIGINATES. CONTRACTOR SHALL COORDINATE WITH LOCAL AHJ THE MEANS REQUIRED TO MEET NYCEC/NEC SECTIONS 210.4(B).

2.09 PANELBOARDS:

- A. PANELBOARD BOXES SHALL BE MADE OF SHEET STEEL "BENT-UP" OR RIVETED OR BOLTED TOGETHER WITH EXTERIOR ANGLE IRON FRAME. BOX SHALL BE OF SUFFICIENT SIZE TO ALLOW A GUTTER AT LEAST 6" IN WIDTH ENTIRELY SURROUNDING EACH SECTION OF BOARD. PANELBOARDS SHALL BE SURFACE OR FLUSH TYPE AS NOTED ON THE DRAWINGS. PANEL BOX AND COVER SHALL BE GIVEN TWO COATS OF GRAY ENAMEL PAINT.
- B. PROVIDE CODE GAUGE STEEL DOORS FOR ALL PANELBOARD BOXES. FRONT COVER SHALL BE A "DOOR WITHIN A DOOR" TYPE. THE OUTER DOOR (TRIM) SHALL ALLOW ACCESS TO ENTIRE PANELBOARD BOX INCLUDING GUTTER SPACES. OUTER DOOR (TRIM) SHALL BE ATTACHED DIRECTLY TO BOX BY A FULL LENGTH PIANO HINGE. THE INNER DOOR SHALL ALLOW ACCESS TO CIRCUIT BREAKERS ONLY. PROVIDE LOCK AND SET OF KEYS FOR INNER DOOR PER PANELBOARD.
- C. PANEL BUS BARS SHALL BE COPPER PROPORTIONED FOR A CURRENT DENSITY OF 1000 AMPERES PER SQUARE INCH OF CROSS-SECTIONAL AREA. PROVIDE A COPPER EQUIPMENT GROUND BAR IN EACH PANEL, AND A COPPER ISOLATED GROUND BAR IN NOTED PANELS.
- D. PANELS SHALL BE PROVIDED WITH NEUTRAL BARS SIZED AT 200% OF THE PHASE BUS BARS.
- E. A TYPEWRITTEN LIST OF CIRCUITS SHOWING CLEARLY THE LOADS SUPPLIED BY EACH CIRCUIT SHALL BE INSTALLED ON THE INSIDE OF EACH PANEL BOARD DOOR. THIS LIST SHALL BE MOUNTED IN A STEEL FRAME UNDER A PLASTIC WINDOW. EACH PANEL SHALL BE EXTERNALLY TAGGED WITH PERMANENT LAMACOID PLATE INDICATING PANEL DESIGNATION AND VOLTAGE.
- F. PHASE LEGS OF ALL PANELS SHALL BE BALANCED AT SUPPLY POINT TO WITHIN 10% AFTER ALL CIRCUITS ARE WIRED AND LOADS CONNECTED.

2.11 LIGHTING FIXTURES:

- A. ALL LIGHTING FIXTURE MOUNTING HARDWARE SHALL MATCH AND BE COORDINATED WITH THE NEW CEILING SYSTEM TYPE. ALL FIXTURES SHALL BE EQUIPPED WITH "EARTHQUAKE" CLIPS. ALL LIGHTING FIXTURES SHALL BE INSTALLED WITH SEISMIC BRACING AS INDICATED ON ARCHITECTURAL CEILING DETAILS.
- B. ALL FIXTURES SHALL BE FREE OF LIGHT LEAKS BELOW CEILING.
- C. FLUORESCENT BALLASTS SHALL BE UL'S CLASS "P" AND SHALL CONFORM TO ANSI AND UL SPECIFICATION WITH LABELS OF APPROVAL BY UL AND CERTIFICATION BY C.B.M. BALLASTS SHALL COMPLY WITH THE STATE ENERGY CODE. BALLASTS FOR FLUORESCENT LAMPS SHALL BE OF THE ENERGY SAVING SUPER LOW HEAT DESIGN WITH HIGH POWER FACTOR (0.9 MINIMUM) AND A HIGH BALLAST FACTOR (0.95 MINIMUM). ALL BALLASTS SHALL BE SUPPLIED AS UNIVERSAL VOLTAGE, SUITABLE TO BE CONNECTED TO 120 VOLT OR 277 VOLT
- D. WHERE DIMMING OF FLUORESCENT FIXTURES IS REQUIRED, THE ELECTRONIC BALLAST INSTALLED MUST BE COMPATIBLE WITH THE DIMMING SPECIFIED.
- E. ALL FLUORESCENT LIGHTING FIXTURES THAT UTILIZE DOUBLE ENDED LAMPS OR ARE SUPPLIED FROM MULTIWIRE BRANCH CIRCUITS AND CONTAIN BALLASTS THAT CAN BE SERVICED IN PLACE SHALL BE PROVIDED WITH A DISCONNECTING
- F. REFER TO ARCHITECTURAL DRAWINGS FOR ALL LIGHTING FIXTURE SPECIFICATIONS.
- G. WHERE DIMMING OF LOW VOLTAGE FIXTURES IS REQUIRED, THE STEP DOWN VOLTAGE TRANSFORMER SHALL BE ELECTRONIC (OR MAGNETIC) AS NOTED BY THE LIGHTING DESIGNER/ARCHITECT SCHEDULE. CONTRACTOR WILL BE RESPONSIBLE FOR REVIEWING FIXTURE SPECIFICATION AND ENSURING DIMMER SWITCH INSTALLED IS COORDINATED WITH FIXTURE TYPE.
- H. WHERE DIMMING OF FLUORESCENT FIXTURES IS REQUIRED IN DAYLIGHT ZONES, THE ELECTRONIC BALLAST INSTALLED SHALL BE COMPATIBLE WITH THE DAYLIGHTING SENSOR, AS NOTED BY THE LIGHTING DESIGNER/ARCHITECT SCHEDULE. CONTRACTOR WILL BE RESPONSIBLE FOR REVIEWING FIXTURE SPECIFICATION AND ENSURING SENSOR INSTALLED IS COORDINATED WITH
- I. ALL LIGHTING FIXTURES SHALL BE INSTALLED WITH SEISMIC BRACING AS INDICATED ON ARCHITECTURAL CEILING DETAILS.

2.12 GROUNDING:

FIXTURE TYPE.

- A. PROVIDE SUPPLEMENTARY GROUND BONDING WHERE METALLIC CONDUITS TERMINATE AT METAL CLAD EQUIPMENT (OR AT THE METAL PULL BOX OF EQUIPMENT) FOR WHICH A GROUND BUS IS SPECIFIED WITH A BUSHING OF THE
- B. ALL GROUND WIRES SHALL BE SUITABLY PROTECTED FROM MECHANICAL INJURY.

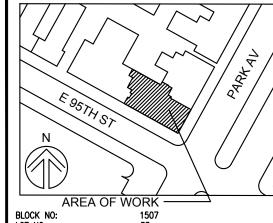
GROUNDING TYPE CONNECTED INDIVIDUALLY TO GROUND BUS.

C. SPECIALTY GROUNDING AS DETAILED ON THE DESIGN DRAWINGS OR REQUESTED AS ELECTRICAL CONTRACTOR SCOPE BY OTHER CONSULTANTS DOCUMENTS.

> THESE PLANS ARE APPROVED ONLY FOR THE WORK ON THE APPLICATION SECIFICATION SHEET. ALL OTHER MATTERS SHOWN

> ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

ARTACHO/OH RESIDENCE 1220 PARK AVE, APT 4B NY, NY 10128



RESIDENTIAL, MULTI-FAMILY BUILDING OCCUPANCY GROUP:
ZONING USE GROUP:
ZONING MAP:
NO. OF STORIES:
NO. OF UNITS: NO. OF RESIDENTIAL UNITS:

Green: Solutions CONSULTING ENGINEERS, PC 104-15 95th Avenue, Ozone Park, NY 11416 T: 917-362-6719; F: 718-805-6102 www.greensolutionspc.com

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PROJECT TITLE: ARTACHO/OH RESIDENCE 1220 PARK AVE. APT 4B NY, NY 10128

DRAWING TITLE:

ELECTRICAL SPECIFICATIONS



SSUE DATE: 5/23/17 PROJECT NO.: 720 IDRAWN BY: MSB CHECKED BY: B.B.

E-002.00

CAD FILE: SHEET 2 OF NYC DOB #

SCALE: NTS

2.13 MOTORS AND APPARATUS FURNISHED BY OTHERS:

- A. INSTALL ALL WIRING IN CONDUITS. CONNECT CONDUIT TO MOTOR CONDUIT TERMINAL BOXES WITH 18" TO 24" OF FLEXIBLE CONDUIT FROM END OF CONDUIT TO MOTOR TERMINAL BOX.
- B. PROVIDE CONNECTIONS TO ALL "EXISTING TO BE RELOCATED" AS WELL AS NEW MOTORS, CONTROLLERS, DISCONNECTS, ACTUATING AND CONTROL DEVICES. CONDUCTORS TO MOTORS TO BE THE SAME AS TO CONTROLLERS EXCEPT AS
- C. MOTORS, CONTROLLERS, ACTUATING AND CONTROL DEVICES WILL BE SUPPLIED UNDER SECTIONS OF WORK EXCEPT AS NOTED.
- D. ACCEPT DELIVERY OF CONTROLLERS, OR RELOCATE EXISTING CONTROLLERS, ERECT ON WALLS OR ABOVE CEILING AS INDICATED AND WIRE UNDER THIS SECTION EXCEPT AS NOTED.
- WIRE ALL MOTOR AND ACTUATING DEVICES SUPPLIED AND INSTALLED UNDER OTHER SECTIONS OF WORK EXCEPT AS NOTED.
- F. FURNISH DISCONNECT SWITCHES UNDER THIS SECTIONS OF WORK EXCEPT AS
- G. LEAVE MOTOR, CONTROL AND ACTUATING EQUIPMENT READY FOR OPERATION.
- H. ASCERTAIN EXACT LOCATIONS OF CONTROLLERS AND CONTROL SERVICES PRIOR TO INSTALLATION AND PULLING WIRING.
- I. COORDINATE WITH ALL OTHER TRADES AND PROVIDE ALL WIRING, CONDUIT, JUNCTION BOXES, DISCONNECTS, CONNECTIONS AND TERMINATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER WIRING AND NECESSARY ELECTRICAL ADJUSTMENTS AS REQUIRED BY THE EQUIPMENT SPECIFICATION.

2.14 ACCEPTABLE MANUFACTURERS:

- A. RECEPTACLES: LUTRON NOVA T STYLE
- . LIGHT SWITCHES: LUTRON NOVA T STYLE
- DIMMER SWITCHES: LUTRON NOVA T STYLE RACEWAYS: NATIONAL WIRE PRODUCTS, TRIANGLE OR REPUBLIC
- WIRE/CABLE: ROME PHELPS DODGE, GENERAL CABLE, SIMPLEX METAL CLAD CABLE: AFC
- G. FITTINGS, COUPLINGS, BUSHINGS, CONNECTORS: OZ GEDNEY, BURNDY, NEPCO, THOMAS AND BETTS
- H. DISCONNECT SWITCHES: GE, SQUARE "D" OR SIEMENS
- I. FUSES: BUSSMAN, GOULD SHAWMUTT
- CIRCUIT BREAKERS: GE, SQUARE "D" OR SIEMENS
- K. PANELBOARDS: GE, SQUARE D, OR SIEMENS MATCH BUILDING STANDARD. LAMPS: GE, SYLVANIA, PHILLIPS
- M. BALLASTS: MOTOROLA, ESB, UNIVERSAL
- N. FLOOR BOXES POKE-THRU'S: HUBBELL, WIREMOLD
- O. WIREWAYS: HUBBELL, WIREMOLD

PART 3 EXECUTION

3.01 GENERAL:

- A. PERFORM THE WORK AT SUCH TIME AND IN SUCH MANNER AS TO MINIMIZE INTERFERENCE WITH BUILDING'S NORMAL OPERATION. NOTIFY BUILDING MANAGEMENT REPRESENTATIVES IN ADVANCE EACH TIME A SERVICE OUTAGE OR INTERRUPTION WILL BE REQUIRED FOR THE PERFORMANCE OF SOME PHASE OF THE WORK. SCHEDULE SUCH SERVICE OUTAGE OR INTERRUPTION ONLY AFTER HAVING RECEIVED APPROVAL OF DATE, HOUR, AND TIME INTERVAL REQUIRED THEREOF. SCHEDULE OF WORK AS DIRECTED SHALL BE FOLLOWED AS CLOSELY AS
- B. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS. PARTITIONS. FLOORS. OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. SEALANT SHALL BE RATED FOR 3 HOURS. TELECOMMUNICATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING FIRE STOPPING IN 'IT' CONDUITS/SLEEVES/PENETRATIONS AFTER 'IT' WIRES ARE PULLED.
- C. PROVIDE 277/480 VOLT DANGER LABELING AT ALL EQUIPMENT AND JUNCTION/PULL BOXES PER CODE.
- D. MAINTAIN GROUND CONTINUITY THROUGHOUT ALL SYSTEMS.
- E. MAINTAIN CONTINUITY AND PROTECT ALL EXISTING CIRCUITS TO REMAIN SERVING EQUIPMENT WITHIN BASE BUILDING CORE AREAS OR OTHER TENANT AREAS AFFECTED BY THE ALTERATION WORK. CONTRACTOR SHALL BE RESPONSIBLE TO TRACE ALL EXISTING CIRCUITS TO REMAIN ORIGINATING FROM PANELBOARDS, AND SUBMIT FINDINGS TO ENGINEER FOR CLARIFICATION PRIOR TO THE START OF ANY PANELBOARD WORK. WHENEVER IT IS REQUIRED THAT AN EXISTING CIRCUIT BE MODIFIED, REVISED, DISCONNECTED OR REMOVED IT SHALL BE UNDERSTOOD THAT THE CIRCUIT SHALL BE RECONNECTED AND SERVICE RE-ESTABLISHED IN THE REMAINING PORTION OF THE CIRCUIT AFFECTED BY THE ALTERNATION.
- F. PRIOR TO ANY CHASING, CHOPPING, OR CORE DRILLING BEING PERFORMED, THE CONTRACTOR SHALL FIELD INVESTIGATE CONDITIONS AND COORDINATE WITH ALL APPROPRIATE TRADES TO ENSURE THAT WORK WILL BE IN HARMONY WITH OTHER WORK AND NOT AFFECTED ANY EXISTING BUILDING SYSTEMS. X-RAY SLABS IF REQUIRED. THIS WORK MUST BE APPROVED BY BUILDING MANAGEMENT PRIOR TO PROCEEDING. ALL CORING/CHASING WILL BE DONE ON OVERTIME.
- G. FOR TEMPORARY POWER, FURNISH AND INSTALL WIRING FOR ADEQUATE LIGHT AND SMALL TOOLS POWER FOR THE PROJECT. THIS SHALL INCLUDE STRINGERS, LAMPS, OUTLETS, BREAKERS, AND FUSING, AS IT IS NECESSARY. ALL TEMPORARY WIRING SHALL BE REMOVED FROM SPACE AT COMPLETION OF PROJECT.
- H. FURNISH AND INSTALL A MINIMUM 1" EMPTY CONDUIT FOR ALL WALL MOUNTED LOW VOLTAGE EQUIPMENT JUNCTION BOXES. CONDUIT SHALL BE STUBBED 6" ABOVE HUNG CEILING AND TURNED TOWARDS TERMINATION CLOSET ABOVE ACCESSIBLE CEILING AREA.
- COORDINATE WITH THE BUILDING OWNER FOR ANY SERVICE INTERRUPTION OF EXISTING SYSTEMS AND GIVE NOTICE AS REQUIRED BY BUILDING RULES AND REGULATIONS OR A MINIMUM OF FIVE (5) DAYS PRIOR TO ANY WORK, WHICHEVER IS MORE STRINGENT. CONTRACTOR IS TO PERFORM WORK ON PREMIUM TIME SO AS TO NOT DISTURB EXISTING TENANTS ON OTHER FLOORS.
- J. PRIOR TO CONNECTING ANY NEW CIRCUITS TO EXISTING PANELBOARDS, CONNECTED TO FEEDERS WHICH SERVE OTHER TENANTS OR LOADS, PERFORM A 30 DAY CONTINUOUS METERING OF AMPERAGE ON ALL THREE PHASES PER NYCEC ARTICLE 220-87, EXCEPTION (1). SUBMIT INITIAL RESULTS TO ENGINEER FOR EVALUATION AFTER RECORDING OF 7 DAYS. NEW LOADS SHALL NOT BE CONNECTED TO AFFECTED PANELS PRIOR TO ENGINEER'S EVALUATION.
- K. WHEN USING TEMPORARY LIGHTING, THE CONTRACTOR SHALL CLEARLY LABEL PANELS AND BREAKERS USED FOR LIGHTING. LOCATION OF PANELS TO BE SHOWN ON FLOOR PLAN POSTED AT ENTRANCE TO WORK AREA. PROPER TEMPORARY LIGHTING AND POWER MUST BE INSTALLED AND MAINTAINED IN ALL WORK AREAS. CONNECTIONS TO EXISTING STAIRWELL AND EXIT LIGHT SYSTEMS ARE NOT PERMITTED.
- L. THE CONTRACTOR SHALL CUT BACK TO THE FLOOR, WALL OR CEILING, REMOVE WIRING AND PLUG BOTH ENDS OF CONCEALED CONDUITS MADE OBSOLETE BY THIS ALTERNATION. EXPOSED CONDUITS, WIREWAYS, OUTLET BOXES, PULL BOXES, HANGERS, ETC. MADE OBSOLETE BY THE ALTERNATION WORK SHALL BE REMOVED, UNLESS OTHERWISE NOTED.
- M. IT IS POSSIBLE THAT THERE WILL BE CERTAIN REMOVALS AND RELOCATIONS OF THE EXISTING ELECTRICAL INSTALLATION NECESSARY FOR THE SATISFACTORY PERFORMANCE OF THE WORK. THESE CHANGES CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS, BUT MUST BE CONSIDERED BY THE CONTRACTOR WHILE REVIEWING THE EXISTING CONDITIONS AT THE SITE AND PREPARING THE

3.02 IDENTIFICATION OF EQUIPMENT:

- A. ALL PANELBOARDS. CONTROL PANELS. AND CABINETS SPECIFIED HEREIN SHALL BE CLEARLY IDENTIFIED WITH THE EQUIPMENT DESIGNATION AND VOLTAGE RATING. IDENTIFICATION SHALL BE BY WHITE ON BLACK PLASTIC NAMEPLATE WITH 1/2" MINIMUM LETTERING ATTACHED BY SCREWS.
- B. ALL PANELBOARDS, SPECIFIED HEREIN SHALL BE PROVIDED WITH A MEANS OF IDENTIFICATION OF THE MULTIWIRE BRANCH CIRCUIT COLOR CODE IDENTIFICATION SYSTEM INSTALLED PER THE REQUIREMENTS OF NYCEC ARTICLE 210.5. REFER TO SPECIFICATION SECTION 2.03.E FOR COLOR CODING DESIGNATIONS.
- C. JUNCTION BOXES, SPLICE BOXES, ETC., SHALL BE IDENTIFIED WITH PANEL AND CIRCUIT NUMBERS, FOR CIRCUITS CONTAINED THEREIN. FACEPLATE OF SWITCHES FOR EQUIPMENT SUCH AS MOTORIZED SCREENS, ETC., SHALL BE IDENTIFIED WITH THE NAME OF THE DEVICE CONTROLLED. IDENTIFICATION SHALL BE BY INDELIBLE MARKER IN CONCEALED LOCATIONS AND ADHESIVE ('P' TOUCH TYPE) LABELS IN EXPOSED LOCATIONS. EMERGENCY DEVICES SHALL BE IDENTIFIED IN RED.
- D. EMPTY CONDUITS SHALL BE IDENTIFIED WITH TAGS AT BOTH ENDS INDICATING THE LOCATION OF TERMINATION OF THE OPPOSITE END.
- E. FIRE ALARM SYSTEM JUNCTION BOXES SHALL BE PAINTED FIRE DEPARTMENT RED. APPROVED IDENTIFICATION CARDS SHALL BE FURNISHED ADJACENT TO ALL CONTROL PANELS AND MANUAL STATIONS.
- F. ALL RECEPTACLES SHALL HAVE CIRCUIT NUMBERS AND ASSOCIATED PANEL DESIGNATION CLEARLY IDENTIFIED ON THE RECEPTACLES (OR DISCONNECT. JUNCTION BOX, ETC...) FACEPLATE. IDENTIFICATION SHALL BE PERMANENT, INDELIBLE AND TYPEWRITTEN.
- G. PROVIDE SCREW-FASTENED TYPEWRITTEN ENGRAVED LAMICOID NAMEPLATE WITH MINIMUM r" HIGH WHITE LETTERING ON BLACK BACKGROUND, CLEARLY INDICATING THE FUNCTION, DESIGNATION OR EQUIPMENT CONTROLLED FOR EACH OF THE FOLLOWING:
- 1. ALL PANEL AND SWITCH BOARDS
- 2. MOTOR STARTERS AND MISCELLANEOUS CONTROL SWITCHES DISCONNECT SWITCHES
- 4. ENCLOSED CIRCUIT BREAKERS
- 5. CONTACTORS AND RELAYS
- 6. CONTROL SWITCHES TRANSFORMERS
- H. PROVIDE NAMEPLATES FOR ALL NEW AND EXISTING EQUIPMENT AS DESCRIBED ABOVE AND/OR DETAILED ON THE ENGINEERING DRAWINGS.

3.03 LIFE SAFETY TESTING:

A. AFTER COMPLETION OF THE PROJECT, PERFORM A TEST OF THE EMERGENCY EGRESS LIGHTING SYSTEM. TEST SHALL BE PERFORMED AFTER DARK (AT LEAST 1 HOUR AFTER SUNSET); SIMULATE POWER FAILURE ON ALL LIGHTING CIRCUITS. TAKE LIGHT LEVEL READINGS ALONG PATHS OF EGRESS AT FLOOR LEVEL UTILIZING A FOOT CANDLE METER; RECORD READINGS ON A REDUCED SCALE (1/16"=1'-0") FLOOR PLAN. READINGS SHALL BE TAKEN AT THE MIDPOINT BETWEEN EMERGENCY FIXTURES. SUBMIT SEALED AND SIGNED COPY OF THE FLOOR PLAN READINGS TO THE ENGINEER.

3.04 WARNING LABELS:

A. SWITCHBOARDS, PANELBOARDS AND ASSOCIATED EQUIPMENT (ATS, UPS, ETC.) THAT WILL REQUIRE ADJUSTMENT, SERVICING, INSPECTION, OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD MARKED INDICATING VOLTAGE AND WARNING QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC-FLASH HAZARDS PER NEC SECTION 110.16 AND NFPA 70E.

3.05 PROTECTION:

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR WORK AND EQUIPMENT UNTIL FINALLY INSPECTED, TESTED AND ACCEPTED. MATERIALS AND EQUIPMENT SHALL BI CAREFULLY STORED WHICH ARE NOT IMMEDIATELY INSTALLED AFTER DELIVERY TO SITE. CLOSE EXPOSED PARTS OF THE WORK WITH TEMPORARY COVERS OR PLUGS DURING CONSTRUCTION TO PREVENT ENTRY OF MOISTURE OR OBSTRUCTING
- B. PROTECT THE WORK AND MATERIAL OF OTHERS FROM DAMAGE INSTALLED AS PART OF THIS CONTRACT. RESTORE ANY WORK DAMAGED AND BE RESPONSIBLE FOR ALL CURRENT WORK AND ASSOCIATED COSTS.

ARTACHO/OH RESIDENCE 1220 PARK AVE, APT 4B



LAND USE:
OCCUPANCY GROUP:
ZONING USE GROUP:
ZONING MAP:
NO. OF STORIES:
NO. OF UNITS:

RESIDENTIAL, MULTI-FAMILY BUILDING NO. OF RESIDENTIAL UNITS:

Green: Solution:

CONSULTING ENGINEERS, PC 104-15 95th Avenue, Ozone Park, NY 11416 T: 917-362-6719; F: 718-805-6102 www.greensolutionspc.com

SUBMISSIONS:

<u> </u>	<u> </u>
DATE	ISSUE
05/29/17	ISSUE FOR 100%
06/01/17	REVISED AS PER COMMENTS

PROJECT TITLE: ARTACHO/OH RESIDENCE 1220 PARK AVE, APT 4B NY, NY 10128

DRAWING TITLE:

ELECTRICAL SPECIFICATIONS

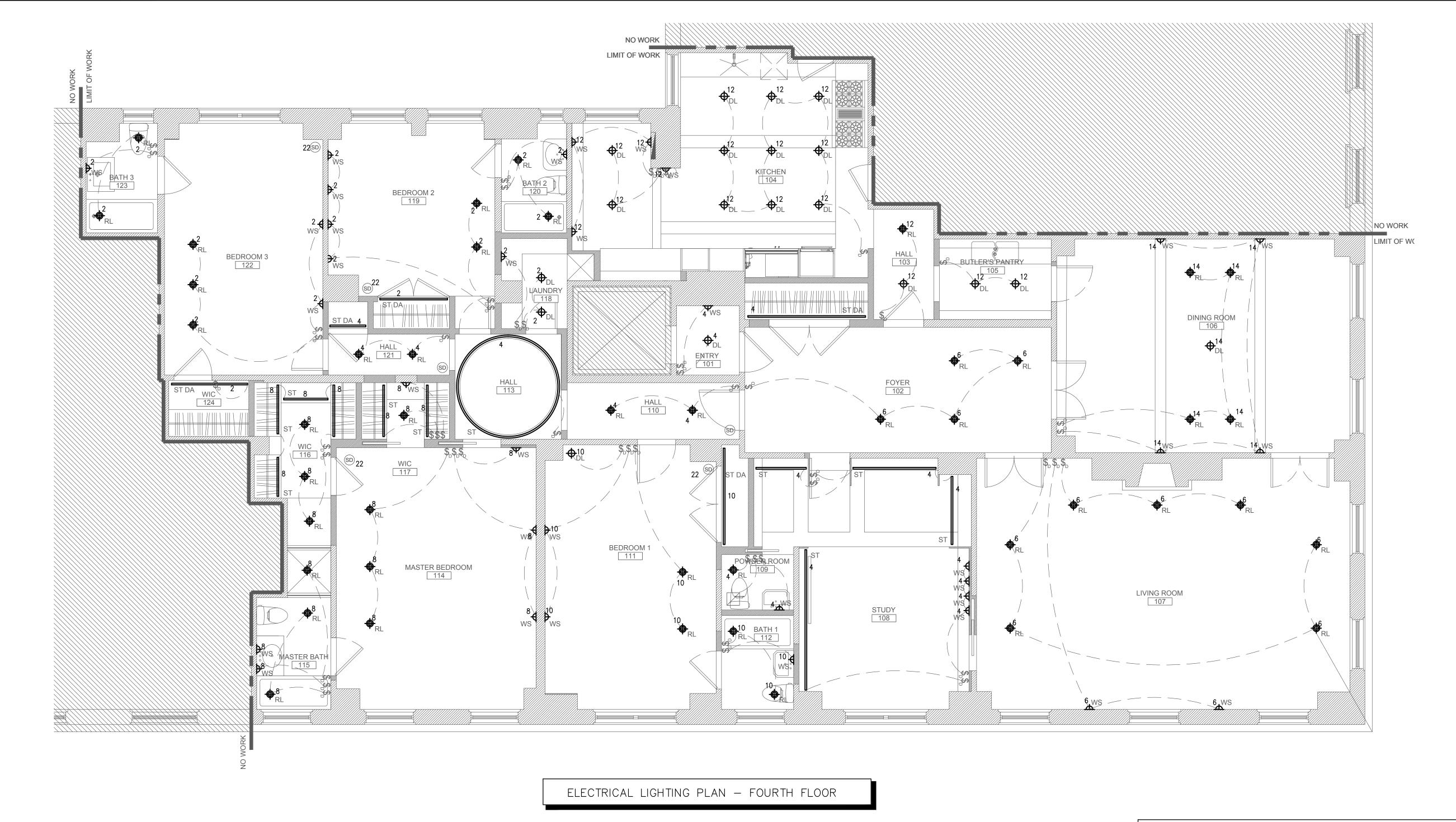


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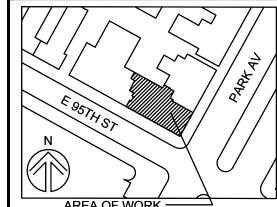
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NYC DOB #

THESE PLANS ARE APPROVED ONLY FOR THE WORK ON THE APPLICATION SECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.



OWNER: ARTACHO/OH RESIDENCE 1220 PARK AVE, APT 4B NY, NY 10128



BLOCK NO:
LOT NO:
LAND USE:
OCCUPANCY GROUP:
ZONING USE GROUP:
ZONING MAP:
NO. OF STORIES:
NO. OF WINTS:
NO. OF RESIDENTIAL UNITS:

Greens Solutions
Engineering Energy Management

|CONSULTING ENGINEERS, PC|
104-15 95th Avenue, Ozone Park, NY 11416
T: 917-362-6719; F: 718-805-6102
info@greensolutionspc.com
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06/01/17	REVISED AS PER COMMENTS

PROJECT TITLE:

ARTACHO/OH RESIDENCE 1220 PARK AVE, APT 4B NY, NY 10128

DRAWING TITLE:

ELECTRICAL LIGHTING PLAN



ISSUE DATE: 5/23/17

CHECKED BY: B.B. SCALE: 1/4"=1'=0"

Seal & Signature E-100.00

CAD FILE: SHEET 4 OF 7

LIGHTING NOTES

REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING FIXTURE SCHEDULES, EXACT FIXTURE LOCATIONS, EXTEND OF DEMOLITION AND FIXTURE REMOVAL.

2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LABELING FOR ALL NEW PANELS AND SHALL RELABEL ALL EXISTING PANELS, AND CIRCUIT NUMBER.

3. CIRCUIT NUMBERS NEXT TO LIGHTING FIXTURES ARE FOR LOAD PURPOSE ONLY. CONTRACTOR SHALL WIRE IN A CONSISTENT AND LOAD BALANCED MANNER.

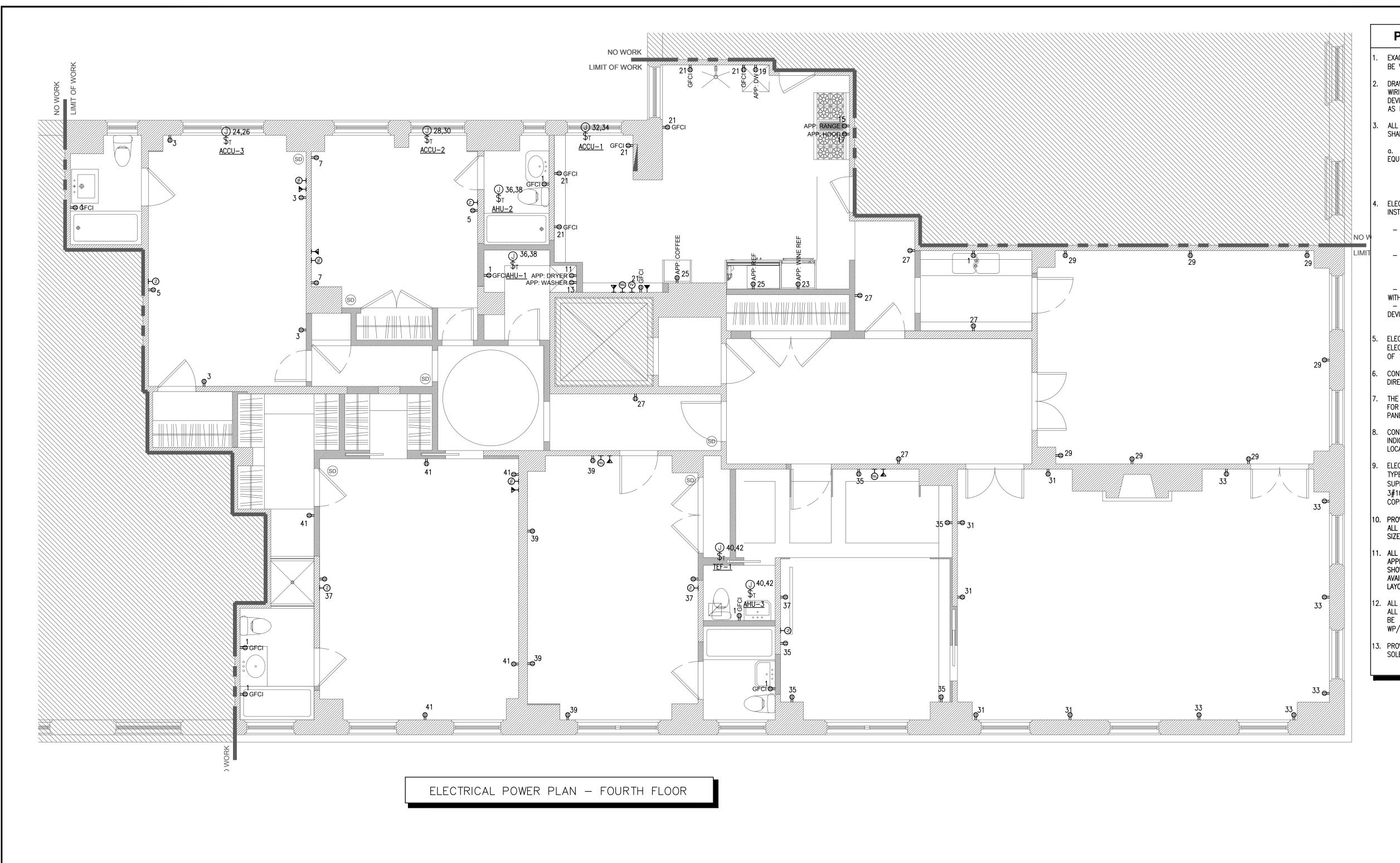
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ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

4. ELECTRICAL CONTRACTOR SHALL INSTALL ALL CONDUIT, WIRING, JUNCTION BOXES & FLEXIBLE FINAL CONNECTIONS AS REQUIRED TO MEET NATIONAL ELECTRICAL CODE.

5. MULTIPLE SWITCHES TO BE GANGED TOGETHER.

6. ALL DEVICES (SWITCHES, RECEPTACLES, ETC) FINISHES TO BE COORDINATED WITH ARCHITECTS.



POWER NOTES

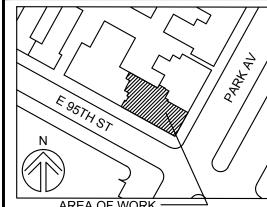
- 1. EXACT LOCATION OF RECEPTACLES & QUANTITY SHALL BE VERIFIED WITH ARCHITECT'S DOCUMENTS.
- 2. DRAWING IS DIAGRAMMATIC & INDICATES DIAGRAMMATIC WIRING & CIRCUIT DESIGNATIONS TO RECEPTACLES & DEVICES. FURNISH AND INSTALL ALL WIRING & CONDUITS AS REQUIRED FOR FULLY WORKABLE SYSTEM.
- 3. ALL HOMERUNS, U.O.N. ON THE PLAN & SCHEDULES SHALL BE AS FOLLOWS:
- a. CIRCUITS FOR CONVENIENCE RECEPTACLES &
- #12 NEUTRAL WIRE PER UP TO 3 PHASES
- #12 PHASE WIRE#12 GROUND WIRE
- ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS SCOPE INSTALLATION OF SECURITY DEVICES AS FOLLOWS:
- INSTALL BACK BOXES, 1¼" CONDUIT STUB-UPS & JUNCTION BOXES FOR CARD READERS, DOOR
- RELEASE, CCTV CAMERAS & EQUIPMENT.

 REFER TO ARCHITECT'S DRAWINGS FOR DOORS DESIGNATION, HARDWARE SCHEDULE & EQUIPMENT LOCATION COORDINATE EXACT LOCATION OF SECURITY DEVICES WITH ARCHITECT.

 PRIOR TO BID COORDINATE EXACT SCOPE OF WORK
- WITH GENERAL CONTRACTOR & SECURITY CONTRACTOR.

 COORDINATE WITH ARCHITECTURAL FOR EXACT DEVICE QUANTITIES
- . ELECTRICAL WHIPS/FLEXIBLE CONNECTIONS TO ELECTRIFIED FURNITURE SHALL BE A MAXIMUM LENGTH OF 18"
- 6. CONTRACTOR TO PROVIDE TYPED UPDATED PANEL DIRECTORY AS REQUIRED.
- 7. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LABELING FOR ALL NEW PANELS AND SHALL RELABEL ALL EXISTING PANELS, AND CIRCUIT NUMBER.
- 8. CONTRACTOR SHALL PROVIDE AS—BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUITING AND OUTLET LOCATION UPON COMPLETION OF WORK.
- 9. ELECTRICAL CONTRACTOR TO COORDINATE RECEPTACLE TYPE (NEMA TYPE) WITH EQUIPMENT (I.E. COPIER) SUPPLIER/MANUFACTURER PRIOR TO INSTALLATION. RUN 3#10 + 1#10GRD AND TAG NEUTRAL CONDUCTOR FOR COPIER RECEPTACLE.
- 10. PROVIDE 11/4"CONDUIT STUB-UPS AND BACK BOXES FOR ALL AV OUTLETS SHOWN. REFER TO AV PLANS FOR BOX SIZES.
- 11. ALL CIRCUITS TO BE TAGGED AT EACH END WITH APPROPRIATE CIRCUIT NUMBER. CIRCUIT NUMBERS SHOWN ARE FOR REFERENCE ONLY. EC TO IDENTIFY AVAILABLE CIRCUITS FROM DEMO AND REUSE FOR NEW LAYOUT.
- 12. ALL SLEEPING UNIT OUTLETS TO BE ARCH FLASH TYPE.
 ALL RECEPTACLES WITHIN 6FEET OF WATER SOURCE TO
 BE GFI TYPE. ALL OUTDOOR RECEPTACLES TO BE
 WP/GFI
- PROVIDE 120V POWER TO ALL CONDENSATE PUMPS, SOLENOID VALVES, & LEAK DETECTORS.

OWNER: ARTACHO/OH RESIDENCE 1220 PARK AVE, APT 4B NY, NY 10128



AREA OF WORI
BLOCK NO: 150
LOT NO: 33
LAND USE: RES
OCCUPANCY GROUP: R2
ZONING USE GROUP: R10
ZONING MAP: 6B
NO. OF STORIES: 17
NO. OF UNITS: 56
NO. OF RESIDENTIAL UNITS: 56

RESIDENTIAL, MULTI-FAMILY BUILDING
R2
R10, R8B
6B
17
56

MEP:

Green: Solutions

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SUBMISSIONS:

DATE ISSUE

05/29/17 ISSUE FOR 100%

06/01/17 REVISED AS PER COMMENTS

PROJECT TITLE:
ARTACHO/OH RESIDENCE
1220 PARK AVE, APT 4B
NY, NY 10128

DRAWING TITLE:

ELECTRICAL POWER PLAN



ISSUE DATE: 5/23/17
PROJECT NO.: 720
DRAWN BY: MSB

CAD FILE: SHEET 5 OF 7

DRAWN BY: MSB

CHECKED BY: B.B.

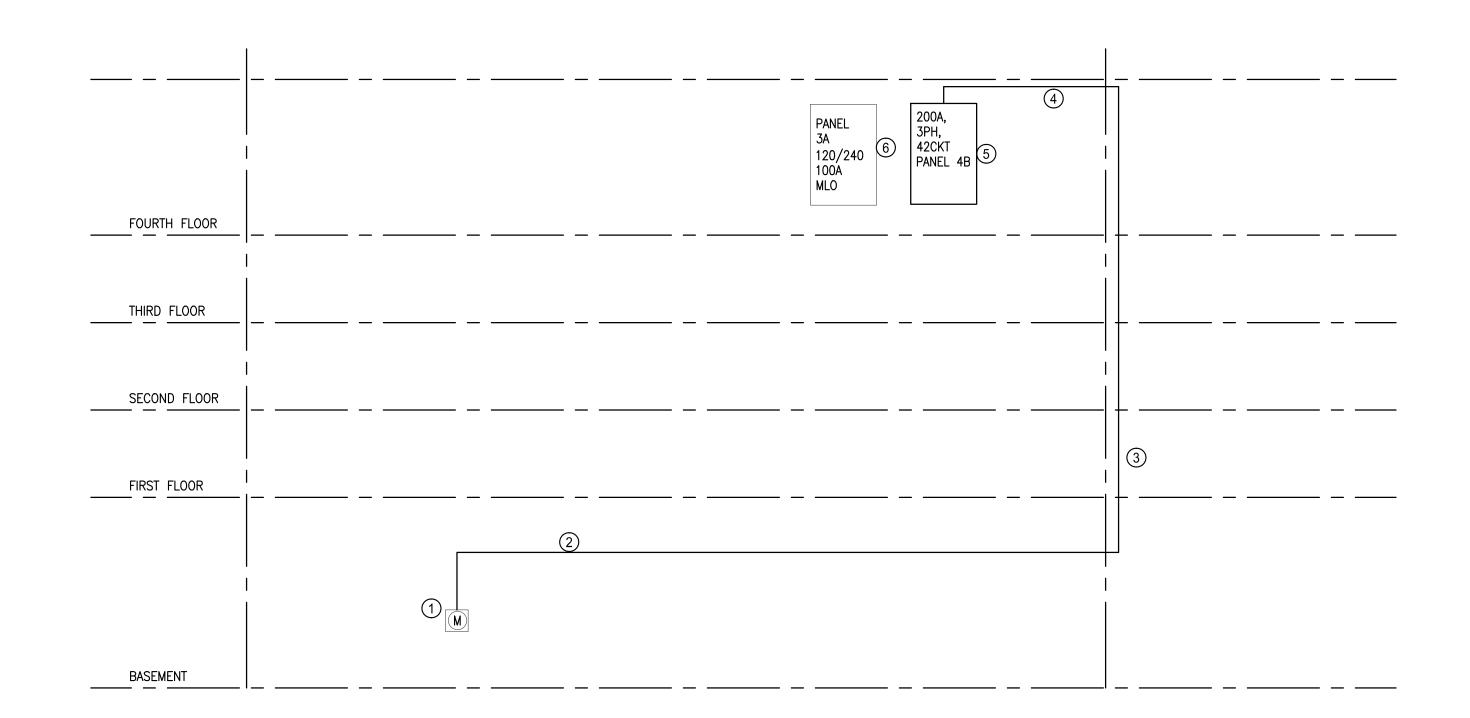
SCALE: 3/16"=1'-0"

CHECKED BY: B.B.

SCALE: 3/16"=1'-0"

THESE PLANS ARE APPROVED ONLY FOR THE WORK ON THE APPLICATION SECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

PANEL DESIGNATION:	LOCATION:	APT 4	В		·		REM	ARKS		
	SERVICE:	12	20/208	VOLTS	3 PHASE	4 WIRE	+			
4B		N	MAINS:	200A			1			
	MOU	NTING	TYPE:	FBO					L BUS:	
FBO	MAIN CIRCU						(GROU	NDING:	EQUIPMENT GROUND BUS: YES
SERVICE TO:	LOAD	LUGS (NO.		В	С	NO.	TRIP	LOAD	ISOLATED GROUND BUS: NO SERVICE TO:
REC - TOILET	600	20	NO.	1000	В	C	NO. 2	20	400	LTG
REC - BR	800	20	3	1000	1800		4	20	1000	LTG
					1800	4000	-			
REC - TV	600	20	5	0/00		1600	6	20	1000	LTG
REC - BR	1000	20	7	2400	4655		8	20	1400	LTG
SPARE	0	20	9		1200		10	20	1200	LTG
REC - WASHER	500	20	11			1500	12	20	1000	LTG
REC - DRYER	800	20	13	2200			14	20	1400	LTG
REC - STOVE	200	20	15		200		16	20		SPARE
REC - HOOD	200	20	17			200	18	20		SPARE
REC - DW	600	20	19	600			20	20		SPARE
REC - GFI	800	20	21		800		22	20		SPARE
REC - REFG	800	20	23			1900	24	- 30	1100	ACCU-3
REC - REFG/COFFEE	1200	20	25	2300			26	30	1100	3#10, #10GND, 1"C
REC - GENERAL	800	20	27		1900		28	30	1100	ACCU-2
REC - DR	1200	20	29			2300	30	30	1100	3#10, #10GND, 1"C
REC - LR	1200	20	31	2300			32	- 30	1100	ACCU-1
REC - LR	1200	20	33		2300		34	30	1100	3#10, #10GND, 1"C
REC - STUDY	1200	20	35			1850	36	20	650	AHU-1 & 2
REC - TV	400	20	37	1050			38	- 20	650	3#10, #10GND, 1"C
REC - BR	1200	20	39		1850		40	20	650	TEF-1 & AHU-3
REC - BR	1200	20	41			1850	42	20	650	3#10, #10GND, 1"C
				11850	10050	11200				
					33100		CONN	ECTED	LOAD (K	(VA)
					91.9		CONN	IECTED	LOAD (A	MPS)



SHEET NOTES

- 1 EXISTING METER PAN AND FUSED ENCLOSURE
- 2 E.C. PROVIDED 2" EMT WITH 4#2/0 & #6 GND FEEDERS TO RUN THROUGH BASEMENT ACROSS THE CEILING AND TO THE COURTYARD AS PER ROONEY PROPOSED SERVICE INSTALLATION LETTER DATED 5/5/17
- 3 E.C. PROVIDED 2" RIGID GALVANIZED STEEL CONDUIT TO RUN ON BUILDING EXTERIOR WITH 4#2/0 & #6 GND FEEDERS AS PER ROONEY PROPOSED SERVICE INSTALLATION LETTER DATED 5/5/17. DESIGN SHALL SPECIFY RIGID GALVANIZED STEEL CONDUIT IN LIEU TO ALUMINUM CONDUIT.
- E.C. PROVIDED 2" EMT WITH #2/0 & #6 GND FEEDERS TO NEW PANEL AS PER ROONEY PROPOSED SERVICE INSTALLATION LETTER DATED 5/5/17
- 5 E.C. PROVIDED 200A, 3PH, 42 CKT PANEL AS PER ROONEY PROPOSED SERVICE INSTALLATION LETTER DATED
- 6 E.C. TO REMOVE EXISTING PANEL AND ALL CORRESPONDING FEEDERS AND CONDUITS BACK TO SOURCE.

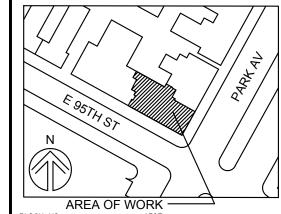


FEEDER SYMBOL	CONDUCTORS (1 PHASE, 3 WIRE) WITH GROUND	RACEWAY SIZE CONDUIT	CONDUCTORS (3 PHASE, 4 WIRE) WITH GROUND	RACEWAY SIZE CONDUIT	NOMINAL AMPERE RATING
1	3#4 & 1#10G.	1"			60
2			4#4 & 1#10G.	1 1/4"	
(3)	3#4 & 1#8G.	1"			70
<u>4</u>			4#4 & 1#8G.	1 1/4"	
<u>\(5 \)</u>	3#1 & 1#8G.	1 1/2"			100
<u>6</u>			4#1 & 1#8G.	1 1/2"	
<u></u>	3#1/0 & 1#6G.	1 1/2"			125
<u>(8)</u>			4#1/0 & 1#6G.	2"	120
9	3#1/0 & 1#6G.	1 1/2"			150
(10)			4#1/0 & 1#6G.	2"	
(11)	3#2/0 & 1#6G.	2"			175
(12)			4#2/0 & 1#6G.	2"	
(13)	3#3/0 & 1#6G.	2"			200
(14)			4#3/0 & 1#6G.	2"	200
15	3#4/0 & 1#4G.	2"			225
16 >			4#4/0 & 1#4G.	2 1/2"	223
17	3#250 KCMIL & 1#4G.	2 1/2"			250
18			4#250 KCMIL & 1#4G.	3"	250
(19)	3#350 KCMIL & 1#4G.	3"			300
20			4#350 KCMIL & 1#4G.	3"	300
21	3#500 KCMIL & 1#3G.	3 1/2"			350
22			4#500 KCMIL & 1#3G.	4"	330
23	3#600 KCMIL & 1#3G.	3 1/2"			400
24			4#600 KCMIL & 1#3G.	4"	400
25	6#250 KCMIL & 2#2G.	2-2 1/2"			500
26			8#250 KCMIL & 2#2G.	2-3"	500
27	6#350 KCMIL & 2#1G.	2-3"			600
28			8#350 KCMIL & 2#1G.	2-3"	600
<u>2</u> 9	6#600 KCMIL & 2#1/0G.	2-3 1/2"			900
(30)			8#600 KCMIL & 2#1/0G.	2-4"	800
(31)	9#400 KCMIL & 3#2/0G.	3-3"			1000
32			12#400 KCMIL & 3#2/0G.	3-3"	1000
(33)	9#600 KCMIL & 3#3/0G.	3-3 1/2"			1000
34			12#600 KCMIL & 3#3/0G.	3-4"	1200
(35)	12#600 KCMIL & 4#4/0G.	4-3 1/2"	<u>"</u> ,		
(36)			16#600 KCMIL & 4#4/0G.	4-4"	1600
(37)	15#600 KCMIL & 5#250 KCMIL G.	5-3 1/2"	<u>"</u> ,		
38	, , , , , , , , , , , , , , , , , , , ,	<u> </u>	20#600 KCMIL & 5#250 KCMIL G	5-4"	2000

NOTES:

- 600KCMIL FEEDERS SHALL BE PROVIDED WITH MAC ADAPTERS AS REQUIRED TO COORDINATE WITH BREAKER LUG SIZES.
- 2. SEE SPECIFICATIONS FOR ACCEPTABLE CONDUCTOR TYPES.

OWNER: ARTACHO/OH RESIDENCE 1220 PARK AVE, APT 4B NY, NY 10128



BLOCK NO: 1507
LOT NO: 33
LAND USE: RESIDENTIAL, MULTI-FAMILY BUILDIN OCCUPANCY GROUP: R2
ZONING USE GROUP: R10, R8B
ZONING MAP: 6B
NO. OF STORIES: 17
NO. OF UNITS: 56
NO. OF RESIDENTIAL UNITS: 56

MEP:

Green Solutions
Engineering Energy Management

CONSULTING ENGINEERS, PC

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SUBMISSIONS:

DATE	ISSUE
05/29/17	ISSUE FOR 100%
06/01/17	REVISED AS PER COMMENTS

PROJECT TITLE:
ARTACHO/OH RESIDENCE
1220 PARK AVE, APT 4B
NY, NY 10128

DRAWING TITLE:

ELECTRICAL RISER DIAGRAM



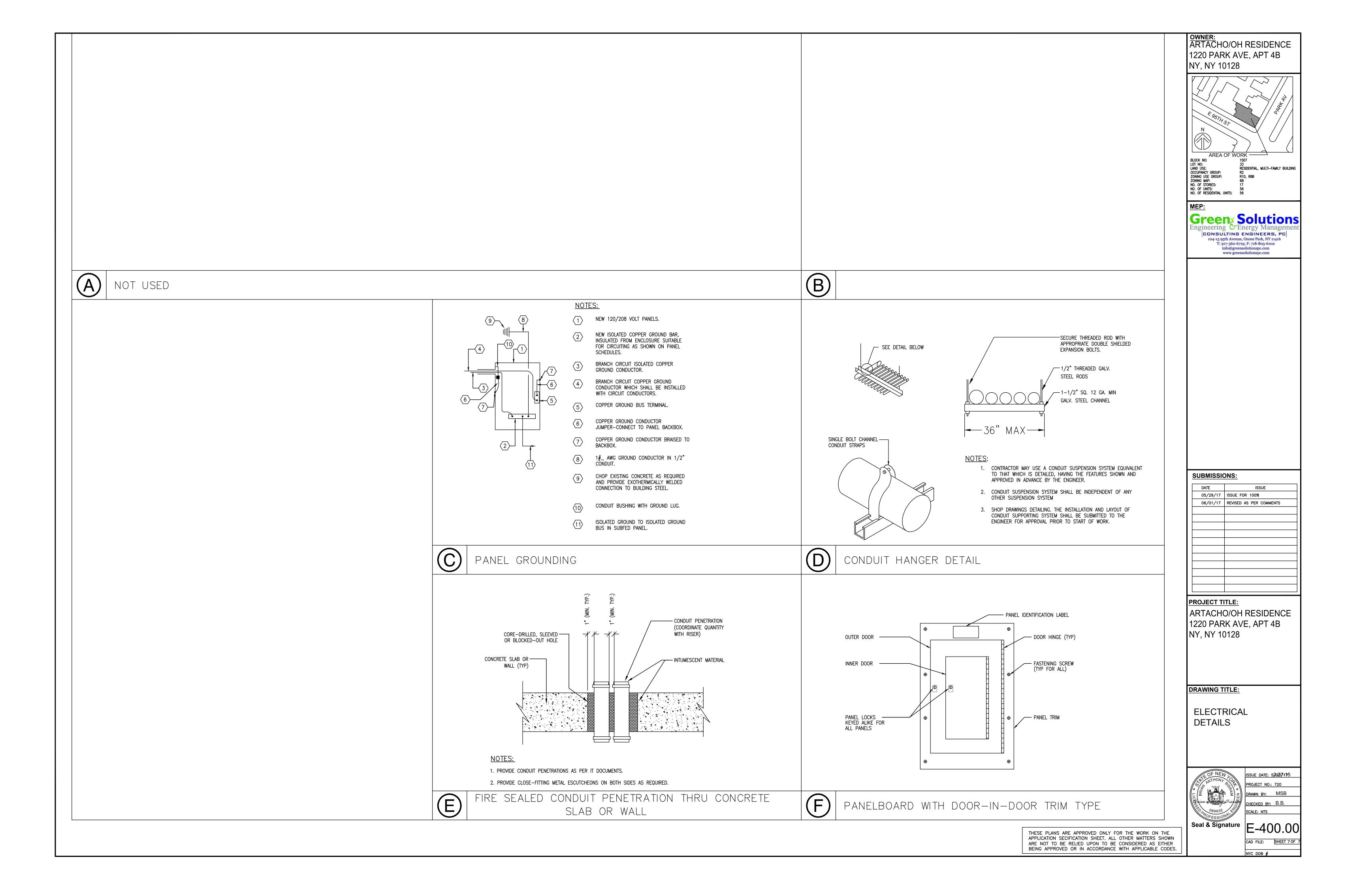
ISSUE DATE: 53227175
PROJECT NO.: 720
DRAWN BY: MSB
CHECKED BY: B.B.

Seal & Signature E-300.00

CAD FILE: SHEET 6 OF 7

ELECTRICAL PARTIAL RISER DIAGRAM

THESE PLANS ARE APPROVED ONLY FOR THE WORK ON THE APPLICATION SECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.



NEW YORK CITY BUILDING DEPARTMENT PLUMBING NOTES:

THE PLUMBING SYSTEMS (SANITARY, WASTE, VENT AND WATER DISTRIBUTION) AND ALL ASSOCIATED EQUIPMENT WILL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FULL REQUIREMENTS OF THE NEW YORK CITY 2014 PLUMBING CODE. COMPLIANCE WITH THE FULL PROVISIONS OF ALL NEW YORK CITY BUILDING AND PLUMBING CODE ACCESSIBILITY REQUIREMENTS AND PLUMBING FIXTURE FLOW REQUIREMENTS OF THE N.Y.C. 2014 PLUMBING CODE.

- 1. THE SANITARY SYSTEM SHALL BE PROVIDED IN FULL ACCORDANCE WITH THE GENERAL PROVISIONS OF SECTION PC301.
- 2. THE MATERIALS USED IN THE PLUMBING SYSTEMS WILL BE PROVIDED IN FULL ACCORDANCE WITH SECTIONS PC3O2 AND PC303.
- 3. EQUIPMENT HOOK-UP AND THE JOINING WILL BE FULL COMPLIANCE WITH SECTIONS PC605 AND
- 4. THE INSTALLATION OF FIXTURES WILL BE IN FULL ACCORDANCE WITH PC CHAPTER 4.
- 5. TRAPS FOR FIXTURES AND DRAIN LINES WILL BE PROVIDED AND CLEANOUTS INSTALLED IN FULL COMPLIANCE WITH SECTIONS PC412, PC708 AND PC CHAPTER 10.
- 6. VERTICAL AND HORIZONTAL PIPING WILL BE HUNG AND SUPPORTED AS DIRECTED IN SPECIFICATIONS AND WITH THE FULL COMPLIANCE WITH SECTION PC308.
- 7. THE WATER SUPPLY SYSTEMS OF THE SUBJECT BUILDING SHALL BE INSTALLED AND MAINTAINED IN FULL COMPLIANCE WITH PC CHAPTER 6.
- 8. THE SANITARY DRAINAGE SYSTEM WILL BE SIZED AND INSTALLED IN FULL COMPLIANCE WITH PC
- 9. THE VENT PIPING FOR THE SANITARY DRAINAGE SYSTEM OF THE SUBJECT BUILDING WILL BE INSTALLED IN FULL COMPLIANCE WITH SECTION PC702 & PC CHAPTER 9.
- 10. THE STORM DRAINAGE SYSTEM AND PIPING WILL BE INSTALLED IN FULL COMPLIANCE WITH PC
- 11. GAS PIPING AND EQUIPMENT WILL BE INSTALLED IN FULL COMPLIANCE WITH THE NEW YORK CITY FUEL GAS CODE.
- 12. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION
- 13. RAT PROOFING SHALL BE IN ACCORDANCE WITH SECTION PC304.
- 14. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR WORKMAN AS PER SECTION PC311.

GENERAL PLUMBING NOTES:

CHAPTER 7.

- 1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK.
- 2. EXISTING PIPING ARRANGEMENTS ARE APPROXIMATE AND ARE SHOWN FOR ESTIMATING PURPOSES ONLY. CONTRACTOR MUST VERIFY EXACT LOCATIONS AND ROUTING PRIOR TO INSTALLATION OF NEW WORK.
- 3. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES AND EXISTING CONDITIONS ON THE JOB SITE AND MAINTAIN REQUIRED CEILING HEIGHTS AND CONDITIONS.
- 4. PLUMBING CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, SERVICES, LABOR AND TESTS NECESSARY FOR COMPLETE EXECUTION OF ALL PLUMBING WORK.
- 5. MATERIALS, EQUIPMENT AND SYSTEMS INSTALLED SHALL MEET ALL PERTINENT REQUIREMENTS OF NEW YORK CITY BUILDING CODES, NATIONAL FIRE PROTECTION ASSOCIATION, FEDERAL REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND ANY NATIONALLY RECOGNIZED APPROVAL AGENCIES AS WELL AS APPLICABLE LOCAL CODES AND REGULATIONS.
- 6. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR AND REPLACE ANY EXISTING SUSPENDED CEILINGS AND/OR FINISHES DAMAGED BY INSTALLATION OF PIPING UNDER PLUMBING
- 7. ALL VALVES SHALL BE LEAD FREE AND ACCESSIBLE

ACCORDANCE WITH NYCECC 2016 REQUIREMENTS.

LUID OPERATION

AND USAGE (°4)

105 - 140

40 - 60

TEMPERATURE RANGE

THE EQUIPMENT IN ACCORDANCE WITH NYCECC 2016 REQUIREMENTS.

Btu. in (h.ft.°F

0.21 - 0.28

0.21 - 0.27

0.20 - 0.26

8. ALL WORK SHALL CONFORM TO WITH ALTERATION AGREEMENT SET FORTH BY ARTOCHO/OH RESIDENCE 1220 PARK AVENUE APPLICATION AGREEMENT AND ALL APPLICABLE CODES. ALL RENOVATION WORK SHALL BE COMPLETED IN COMPLIANCE WITH THE TERMS, CONDITIONS, REGULATIONS AND REQUIREMENTS OF THE BUILDINGS OWNER AND MANAGER. ANY AGREEMENT WHICH DIRECTLY ADDRESS THE ISSUE OF CONSTRUCTION AND ON SITE PROCEDURE MUST BE INCORPORATED INTO THE, CONTRACTORS CONSTRUCTION CONTRACT AND DOCUMENTS.

2016 NYCECC COMPLIANCE STATEMENT

ALL HOT WATER HEATERS AND HOT WATER SUPPLY PIPING SHALL MEET REQUIREMENTS OF THE 2016 NEW

YORK CITY ENERGY CONSERVATION CODE (NYCECC 2016) AND MUST BE VERIFIED THROUGH DATA BY THE

SERVICE WATER HEATING EQUIPMENT SHALL BE PROVIDED WITH CONTROLS TO ALLOW SET POINT OF 100F FOR

WATERR-HEATING EQUIPMENT NOT SUPPLIED WITH INTEGRAL HEAT TRAPS AND SERVING NON-CIRCULATING

SYSTEMS SHALL BE PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING ASSOCIATED WITH

75

MANUFACTURER OR THROUGH CERTIFICATION UNDER AN APPROVED CERTIFICATION PROGRAM.

EQUIPMENT SERVING DWELLING UNITS AND 90F FOR EQUIPMENT SERVING OTHER OCCUPANCIES IN

PLUMBING LEGEND SYMBOL ABBREV. **— — — →**I s.w SOIL, WASTE PIPING BELOW FLOOR _____ VENT PIPING **COLD WATER PIPING** _ _ _ _ HOT WATER PIPING CONNECT TO EXISTING -⊃ DROP SHUT-OFF VALVE BREAK RISER CLEANOUT SHOCK ARRESTOR

DRAWING LIST

WATER CLOSET

WASHING MACHINE

LAVATORY

DISHWASHER

BATH TUB

SHOWER

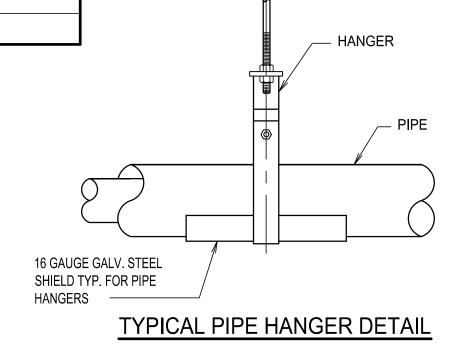
DRAWING NUMBER

ı	CONCRETE FLOOR
	EXPANSION SHIELD
	WASHER AND JAM NUT THREADED HANGER ROD

TYPICAL EXPANSION SHIELD
NOT TO SCALE

P-001.00	PLUMBING LEGE	PLUMBING LEGENDS, NOTES, ABBREVIATIONS, DETAILS AND SPECIFICATIONS				
P-100.00	PLUMBING FLOOI	PLUMBING FLOOR PLAN - DEMOLITION				
P-200.00	PLUMBING FLOOI	PLUMBING FLOOR PLAN - NEW WORK				
P-300.00	PLUMBING RISER	PLUMBING RISER DIAGRAMS				
FIX	TURE CONNEC	TION SCH	EDULE			
TAG	DESCRIPTION	SOIL/WASTE	VENT	COLD WTR	HOT WTR	
SK	SINK	2"	2"	1/2"	1/2"	

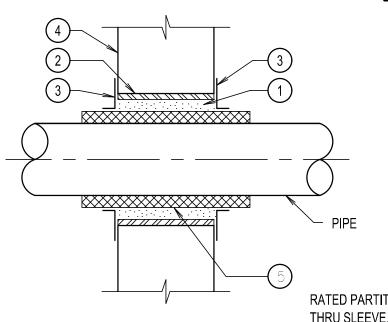
DRAWING LIST



NOT TO SCALE

FOR PLUMBING FIXTURE MANUFACTURER AND MODEL

NUMBERS REFER TO ARCHITECTURAL DRAWING A-700



INSULATED PIPE

3/4"

1/2"

3/4"

1/2"

1/2"

1/2"

3/4"

1/2"

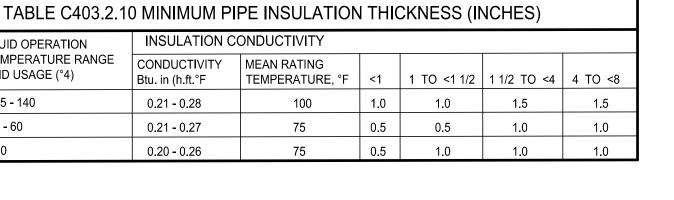
1/2"

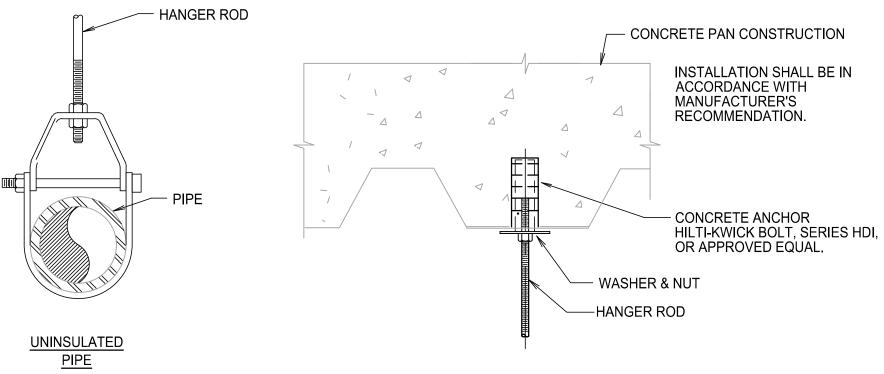
- FILL VOID BETWEEN SLEEVE AND PIPE (OR INSULATION) TO FULL DEPTH WITH INTUMESCENT FIRE STOPPING MATERIAL (AT FIRE RATED WALL) MAXIMUM VOID 1/2-INCH
- SLEEVE
- ESCUTCHEON ON BOTH SIDES
- PARTITION, WALL OR FLOOR (SEE ARCHITECTURAL DRAWINGS FOR FIRE RATING)
- CALCIUM SILICATE INSULATION (AT FIRE

RATED PARTITION, WALL OR FLOOR ONLY) THRU SLEEVE. USE CONTINUOUS INSULATION (ITEM 5) AT NON-RATED PARTITION, WALL OR WALL

PIPE PENETRATION THRU FIRE WALL

NOT TO SCALE





TYPICAL CLEVIS HANGER PIPE SUPPORT DETAIL

NOT TO SCALE

TYPE 'A' ATTACHMENT TO SLAB

PLUMBING SPECIFICATIONS:

A. WORK INCLUDED

- A.1. WORK UNDER THIS CONTRACT SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, PLANT SERVICES AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE THE PLUMBING WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN, INCLUDING:
- ALTERATIONS AND ADDITION TO THE EXISTING SANITARY DRAINAGE AND VENT SYSTEM, HOT AND COLD
- PIPING, VALVES AND ACCESSORIES
- PLUMBING FIXTURES.
- HANGERS AND SUPPORTS.
- REMOVALS AS NOTED.
- FURNISH AND INSTALL A COMPLETE FUEL GAS DISTRIBUTION SYSTEM FROM THE GAS METERS TO ALL GAS FIRED EQUIPMENT AS INDICATED ON THE DRAWINGS.
- PROVIDE ALL NECESSARY PIPE, FITTINGS, VALVES, ETC. AND MAKE ALL FINAL FUEL GAS PIPING
- ALL REQUIREMENTS FOR INSTALLATION OF GAS PIPING SHALL BE IN ACCORDANCE WITH USASI-Z21-1964, 'INSTALLATION OF GAS APPLIANCES AND GAS PIPING'.
- EACH PIECE OF EQUIPMENT SHALL BE PROVIDED WITH AN INDIVIDUAL SHUT-OFF VALVE.
- B. GENERAL REQUIREMENTS

- AFTER CAREFULLY STUDYING THE DRAWINGS AND SPECIFICATIONS, AND BEFORE SUBMITTING THEIR PROPOSAL, EACH BIDDER SHALL VISIT THE SITE TO ASCERTAIN CONDITIONS OF THE SITE, AND THE NATURE AND EXACT QUANTITY OF WORK TO BE PERFORMED. NO EXTRA WILL BE ALLOWED IF THE CONTRACTOR FAILS TO EXAMINE THE SITE, OR HAVING EXAMINED THE SITE, THE CONTRACTOR FAILS TO NOTIFY THE OWNER IN WRITING OF ANY DISCREPANCIES THAT HE MAY HAVE NOTED BETWEEN THE EXISTING CONDITIONS, AND DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS OF HIS OWN OR OTHERS AT THE SITE, AND SHALL BE RESPONSIBLE FOR CORRECTNESS OF SAME AS RELATED TO HIS WORK.
- CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS WHO FURNISH AND INSTALL WORK IN CONNECTION WITH THE WORK OF THIS PROJECT. GIVE THEM COMPLETE DATA AS TO HIS REQUIREMENTS, AND NOTIFY BUILDING MANAGEMENT OF ANY CONDITION THAT WILL INTERFERE WITH PROPER COMPLETION OF THIS WORK. COOPERATE IN THE SCHEDULING OF THIS WORK WITH THE WORK OF OTHER CONTRACTS SO AS NOT TO DELAY JOB PROGRESS.
- THE WORK SHALL BE CAREFULLY LAID OUT IN ADVANCE TO AVOID UNNECESSARY CUTTING, CHANNELING, CHASING OR DRILLING OF FLOORS, WALLS, PARTITIONS, CEILINGS OR OTHER SURFACES. WHERE SUCH WORK IS NECESSARY, HOWEVER, THE WORK SHALL BE CAREFULLY DONE. ANY DAMAGE TO THE BUILDING OR EQUIPMENT SHALL BE PATCHED AND/OR REPAIRED IN AN APPROVED MANNER BY SKILLED MECHANICS AT NO ADDITIONAL COST TO THE OWNER.
- B.2. CODES, REGULATIONS AND STANDARDS
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE NFPA, ALL APPLICABLE FEDERAL, AND LOCAL CODES AND ANY OTHER AGENCIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF ALL REQUIRED PERMITS, FEES, INSPECTIONS, TESTS AND CERTIFICATES OF APPROVAL.

B.3. SECURITY

OBEY ALL SECURITY REGULATIONS ESTABLISHED BY THE BUILDING MANAGEMENT, AND ABIDE BY ALL BUILDING RULES AND REGULATIONS. BUILDING MANAGEMENT'S APPROVAL SHALL BE OBTAINED BEFORE ENTERING SECURED AREAS OF THE BUILDINGS OF THE BUILDING.

B.4. CLEANING

- MAINTAIN ALL AREAS, UNDER CONTRACTOR'S CONTROL, FREE OF EXTRANEOUS DEBRIS.
- SCHEDULE REGULAR COLLECTION AND DISPOSAL OF DEBRIS DAILY AND MORE FREQUENTLY IF

B.5. SPECIAL REQUIREMENTS

CUTTING AND PATCHING

- ALL CUTTING, DRILLING, AND ROUGH PATCHING REQUIRED FOR THE WORK SHALL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR REFER TO BUILDING ALTERATION AGREEMENT.
- ALL CUTTING, DRILLING OR OTHER CONSTRUCTION OPERATIONS WHICH CREATE EXCESSIVE NOISE OR VIBRATION SHALL BE SCHEDULED WITH THE OWNER. CONTRACTOR SHALL PAY FOR
- CUTTING OF WALLS SHALL BE DONE AS APPROVED BY THE BUILDING MANAGEMENT IN A CAREFUL MANNER SO AS NOT TO SERIOUSLY IMPAIR THE APPEARANCE OR STRENGTH OF THE
- B.5.1.4. PROVIDE ALL DRILLING AND PATCHING FOR EXPANSION BOLTS, HANGERS AND OTHER SUPPORTS
- FOR PROPER AND SAFE INSTALLATION OF THE WORK.

B.5.2.

- TEST PIPING AND SYSTEMS FOLLOWING THE PROCEDURES SPECIFIED HEREIN, REQUIRED BY CODE OR AS DIRECTED BY THE BUILDING MANAGEMENT.
- TESTING SHALL COMPLY WITH NEW YORK CITY PLUMBING CODE SECTION 312.

B.6. MAINTENANCE OF EXISTING FACILITIES AND CONDUCT OF THE WORK

ANY OVERTIME WORK REQUIRED.

- THE BUILDING WILL BE OCCUPIED AND IN OPERATION DURING THE PROGRESS OF THE WORK. WHEN NECESSARY TO TEMPORARILY HALT BUILDING EGRESS OR FLOW OF PERSONNEL TRAFFIC, CONFER WITH THE BUILDING MANAGEMENTS REPRESENTATIVE AND ARRANGE THE PERIOD OF INTERRUPTION FOR A TIME MUTUALLY AGREED UPON. IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL ESTABLISHED ROUTINE OF THE BUILDING.
- AT NO TIME SHALL EXISTING SERVICES BE CUT OFF OR STOPPED WITHOUT THE BUILDING MANAGEMENT'S WRITTEN PERMISSION, PRIOR TO STOPPING SERVICES CONTRACTOR SHALL INVESTIGATE AREAS TO BE AFFECTED AND NOTIFY THE BUILDING MANAGEMENT AS TO THE TIME REQUIRED TO PERFORM HIS WORK AND ACTIVATE SERVICES. CONTRACTOR SHALL PERFORM ALL PREPARATORY WORK PRIOR TO SHUT DOWN IN ORDER TO MINIMIZE INCONVENIENCES. IF THE BUILDING MANAGEMENT REQUIRES, SHUT DOWNS SHALL BE PERFORMED ON AN OVERTIME BASIS AT NO ADDITIONAL COST TO THE BUILDING MANAGEMENT.
- NO WORK SHALL BE LEFT INCOMPLETE NOR ANY HAZARDOUS SITUATIONS CREATED WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE BUILDING MANAGEMENT'S WRITTEN PERMISSION.
- NO WORK SHALL BE LEFT IN SUCH A MANNER AS TO CREATE LEAKAGE, WATER DAMAGE OR OTHER DETRIMENTAL SITUATIONS.

C. SUBMITTALS

C.1. AS-BUILT DRAWINGS

PROVIDE TWO (2) COMPLETE SETS OF FULL SIZE AS-BUILT DRAWINGS COVERING EVERY ASPECT OF THE WORK. COMPLETE SET SHALL INCLUDE VALVE TAGS AND VALVE SCHEDULE.

D. PIPING SYSTEMS, ACCESSORIES, SUPPORTS, SLEEVES, TESTING

- INSTALL ALL EQUIPMENT AND PIPING SYSTEMS USING THE BEST STANDARD PRACTICES OF THE TRADE AND LEAVE SYSTEM COMPONENTS COMPLETE AND READY FOR OPERATION. UNLESS OTHERWISE NOTED, SPECIFIED OR INDICATED, ALL PIPING AND EQUIPMENT SHALL BE CONNECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED DETAILS AND AS APPROVED BY THE OWNER.
- PROMPTLY INSTALL PIPING REQUIRED TO BE CONCEALED IN FLOOR, WALL OR CEILING CONSTRUCTION TO NOT CAUSE DELAY TO OTHER WORK, AND TO ALLOW AMPLE TIME FOR NECESSARY TASKS AND APPROVALS.
- MODIFY PIPING ARRANGEMENTS AS NECESSARY TO SUIT CONDITIONS IN THE BUILDING, AND TO PERMIT ACCESS TO EQUIPMENT AND ACCESSORIES.
- D.4. UPON COMPLETION OF ALL PIPING SYSTEMS, NOTIFY THE BUILDING MANAGEMENT, IN WRITING, FIVE DAYS IN ADVANCE OF THE TIME LEAK TESTS ARE TO BE MADE.
- CONDUCT TESTS IN ACCORDANCE WITH THE SPECIFICATIONS OR AS DIRECTED BY BUILDING
- PIPING TESTS ARE TO BE CONDUCTED PRIOR TO PAINTING, INSULATING, OR CONCEALING WITHIN THE
- ALL MATERIALS, EQUIPMENT AND COSTS INVOLVED IN TESTING THE PIPING SYSTEMS SHALL BE INCLUDED IN THE WORK.
- SANITARY PIPING SHALL BE TESTED WITH WATER FOR TWO HOURS AT A PRESSURE OF FIVE PSIG OR TEN FOOT WATER COLUMN, UNLESS OTHERWISE DIRECTED.

TEST WATER PIPING AT 1-1/2" TIMES THE STATIC WATER PRESSURE FOR 2 HOURS.

E. MATERIALS

- E.1. CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE (CISPI) AND BE LISTED BY NSF INTERNATIONAL
- ABOVE GROUND SANITARY AND VENT PIPING AND FITTINGS SHALL BE TYLER PIPE CO. NO-HUB SERVICE WEIGHT CAST IRON PIPING CONFORMING TO CISPI 301 WITH NEOPRENE GASKETS CONFORMING TO ASTM C564 AND STAINLESS STEEL MID RANGE (4 BAND) CLAMPS CONFORMING TO ASTM C 1540 AS MANUFACTURED BY HUSKY NO. 2000 OR MISSION TYPE "HW". (2) BAND CLAMPS ARE NOT PERMITTED.
- E.2. HOT AND COLD WATER PIPING TO BE TYPE L COPPER WITH BRAZED FITTINGS. PROVIDE TYPE K COPPER FOR
- INSULATION ON HOT AND COLD WATER PIPING SHALL BE FIBERGLASS INSULATION WITH KRAFT PAPER BACKING, VAPOR BARRIER ON COLD WATER, FIRE AND SMOKE RESISTANT. REFER TO PLUMBING INSULATION SCHEDULE FOR INSULATION THICKNESS.
- E.4. FOR GAS PIPING, 2" SIZE AND SMALLER, A TOP ENTRY BALL VALVE, CRANE 'ACCESSO' WITH BUENA 'N' SEAT IN A CARBON STEEL BODY WITH FIXED HANDLE.
- E.5. VALVES SHALL BE CAST BRONZE BALL TYPE, APOLLO OR EQUAL.
- FITTINGS SHALL BE 125 LB. GALVANIZED MALLEABLE IRON, STEAM PATTERN AND SHALL BE FIELD WRAPPED AND COATED TO MATCH MILL WRAPPED PIPE.
- ALL FUEL GAS PIPE ABOVE GROUND, INSIDE OF THE SHALL BE SCHEDULE 40, STEEL PIPE. BETHLEHEM STEEL
- E.8. ALL DOMESTIC WATER VALVES SHALL BE LEAD FREE.

F. DISINFECTING AND BACTERIOLOGICAL TESTING

PIPING IN THE GROUND.

F.1.1. FLUSH ALL NEW AND/OR REPAIRED POTABLE WATER PIPING SYSTEMS WITH CLEAN, POTABLE WATER UNTIL NO DIRTY WATER FLOWS FROM THE OUTLETS.

F.2. DISINFECTING

- DISINFECT THE WATER PIPING SYSTEMS WITH A SOLUTION CONTAINING NOT LESS THAN 50 PARTS PER MILLION OF AVAILABLE CHLORINE.
- THE CHLORINATING MATERIAL SHALL BE LIQUID CHLORINE GAS-WATER MIXTURE, CALCIUM HYPOCHLORITE, SODIUM HYPO CHLORITE, OR CHLORINATED LIME AND WATER MIXTURE CONFORMING TO THE STANDARDS OF THE AWWA AND SHALL BE INTRODUCED INTO THE SYSTEM IN AN APPROVED MANNER.
- ALLOW THE DISINFECTING SOLUTION TO REMAIN IN THE SYSTEM FOR A MINIMUM PERIOD OF 24 HOURS. FOLLOWING THE DISINFECTING PERIOD, FLUSH ALL PIPING, VALVES AND OUTLETS WITH CLEAN WATER UNTIL RESIDUAL CHLORINE CONTENT IS NOT GREATER THAN 0.2 PARTS PER MILLION. UNLESS OTHERWISE DIRECTED.

F.3. TESTING

- TAKE SAMPLES OF WATER FOR BACTERIOLOGICAL TESTING AS PRESCRIBED BY THE DEPARTMENT OF
- SHOULD THE SAMPLES FAIL TO MEET THE MINIMUM STANDARDS AS SET FORTH BY THE DEPARTMENT OF HEALTH, REPEAT THE DISINFECTING PROCEDURE AND SUBMIT NEW SAMPLES FOR TESTING.
- CONTRACTOR SHALL TEST FUEL GAS DISTRIBUTION SYSTEM AS HEREIN SPECIFIED AND TO THE SATISFACTION OF THE LOCAL BUILDING DEPARTMENT, LOCAL UTILITY CO., AND NFPA-56. THE CONTRACTOR SHALL GIVE NOT LESS THAN 3 DAYS NOTICE TO ALL PARTIES PRIOR TO THE TEST. ALL LABOR, MATERIAL, ETC. REQUIRED TO PERFORM THE TESTS SHALL BE FURNISHED BY THIS CONTRACTOR. ALL TESTS MUST BE COMPLETED BEFORE PIPING IS CONCEALED.

G. PIPE HANGERS AND SUPPORTS

- FABRICATE AND INSTALL HANGERS AND SUPPORTS IN COMPLIANCE WITH THE LATEST EDITION OF THE
- MSS MANUAL SP-89, PIPE HANGERS AND SUPPORTS, FABRICATION AND INSTALLATION PRACTICES.
- DESIGN AND INSTALL PIPE SUPPORTS TO AVOID INTERFERENCE WITH OTHER PIPING, DUCTS, CONDUIT

HANGING MATERIALS SHALL HAVE A SAFETY FACTOR OF 5 BUILT-IN AND BE DESIGNED AND ARRANGED

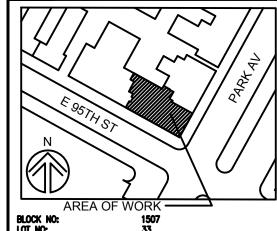
- PROVIDE SEPARATE SUPPORTS FOR ALL BRANCHES. NO BRANCH TWO FEET IN LENGTH OR OVER SHALL BE INSTALLED WITHOUT AN APPROVED HANGER. PROVIDE HANGERS AT ALL JOINT
- PROVIDE ALL AUXILIARY STRUCTURAL STEEL MEMBERS NECESSARY TO SUPPORT ALL PIPING AND

H. GUARANTEES

- ALL INSTALLATIONS, MATERIAL, EQUIPMENT AND WORK FURNISHED AND PERFORMED UNDER THESE SPECIFICATIONS SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF THE FINAL ACCEPTANCE.
- ALL SYSTEMS FOUND DEFECTIVE AT SUCH TESTING OR DURING THE GUARANTEE PERIOD SHALL BE REPLACED OR REPAIRED BY THIS CONTRACTOR WITHOUT ANY ADDITIONAL CHARGE. ANY LABOR, MATERIAL, EQUIPMENT OR INSTRUMENT NECESSARY FOR SUCH REPAIR OR REPLACEMENT SHALL BE INCLUDED AND FREE OF CHARGE.

THESE PLANS ARE APPROVED ONLY FOR THE WORK ON THE APPLICATION SECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

ARTACHO/OH RESIDENCE 1220 PARK AVE, ATP 4B NY, NY 10128



residential, multi—family building

Green: Solution: CONSULTING ENGINEERS, PC 104-15 95th Avenue, Ozone Park, NY 11416 info@greensolutionspc.com

SUBMISSIONS:

04/26/17	ISSUE FOR REVIEW

PROJECT TITLE: ARTACHO/OH RESIDENCE 1220 PARK AVE, APT. 4B NY, NY 10128

DRAWING TITLE:

PLUMBING LEGENDS, NOTES, **DETAILS AND SPECIFICATIONS**



SUE DATE: 00/00/00 ROJECT NO.: 713 CHECKED BY: JV

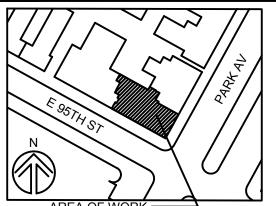
KEYNOTES

- 1. DISCONNECT KITCHEN SINK, DISHWASHER AND WASHING MACHINE. CUT AND CAP 2" WASTE, 2" VENT BRANCH PIPING BACK TO STACKS, ½" H&CW BRANCH PIPING BACK TO RISERS. MODIFY EXISTING PIPING FOR CONNECTION TO NEW. FOR MORE INFORMATION REFER TO DRAWING
- 2. DISCONNECT GAS RANGE. CUT AND CAP ¾" GAS PIPING BACK TO RISER. MODIFY EXISTING PIPING FOR CONNECTION TO NEW. FOR MORE INFORMATION REFER TO DRAWING P200.
- 3. DISCONNECT FLOOR MOUNTED WATER CLOSET. MODIFY AND CAP EXISTING 4" SAN. AND 3/4" CW BRANCH PIPING FOR CONNECTION TO NEW. FOR MORE INFORMATION REFER TO DRAWING P200.
- 4. DISCONNECT FLOOR MOUNTED WATER CLOSET. CUT AND CAP 4" SAN. PIPING BACK TO STACK, ¾" CW PIPING BACK TO RISER. MODIFY EXISTING PIPING FOR CONNECTION TO NEW. FOR MORE INFORMATION REFER TO DRAWING P200.
- DISCONNECT BATHTUB. MODIFY AND CAP EXISTING 2"
 WASTE. AND ½" H&CW BRANCH PIPING FOR CONNECTION
 TO NEW. FOR MORE INFORMATION REFER TO DRAWING
 P200.
- 6. DISCONNECT BATHTUB. CUT AND CAP 2" WASTE, 2" VENT BRANCH PIPING BACK TO STACKS, ½" H&CW BRANCH PIPING BACK TO RISERS. MODIFY EXISTING PIPING FOR CONNECTION TO NEW. FOR MORE INFORMATION REFER TO DRAWING P200.
- 7. DISCONNECT LAVATORY. MODIFY AND CAP 2" WASTE AND \(\frac{1}{2}\)" H&CW BRANCH PIPING. FOR MORE INFORMATION REFER TO DRAWING P200.
- 8. DISCONNECT LAVATORY. CUT AND CAP 2" WASTE, 2" VENT BRANCH PIPING BACK TO STACKS, ½" H&CW BRANCH PIPING BACK TO RISERS. MODIFY EXISTING PIPING FOR CONNECTION TO NEW. FOR MORE INFORMATION REFER TO DRAWING P200.
- 9. DISCONNECT STALL SHOWER. MODIFY AND CAP 2" WASTE AND $\mbox{\sc M}$ " H&CW BRANCH PIPING. FOR MORE INFORMATION REFER TO DRAWING P200. .
- 10. DISCONNECT SINK. CUT AND CAP 2" WASTE, 2" VENT BRANCH PIPING BACK TO STACKS, ½" H&CW BRANCH PIPING BACK TO RISERS. MODIFY EXISTING CW PIPING FOR CONNECTION TO NEW. FOR MORE INFORMATION REFER TO DRAWING P200.

GENERAL NOTE

CONTRACTOR SHALL CAREFULLY REMOVE EXISTING WATER CLOSETS AND PREP FOR REUSE. FOR MORE INFORMATION REFERENCE ARCHITECTURAL CONSTRUCTION PLAN AND PLUMBING DRAWING P-200.

OWNER: ARTACHO/OH RESIDENCE 1220 PARK AVE, ATP 4B NY, NY 10128



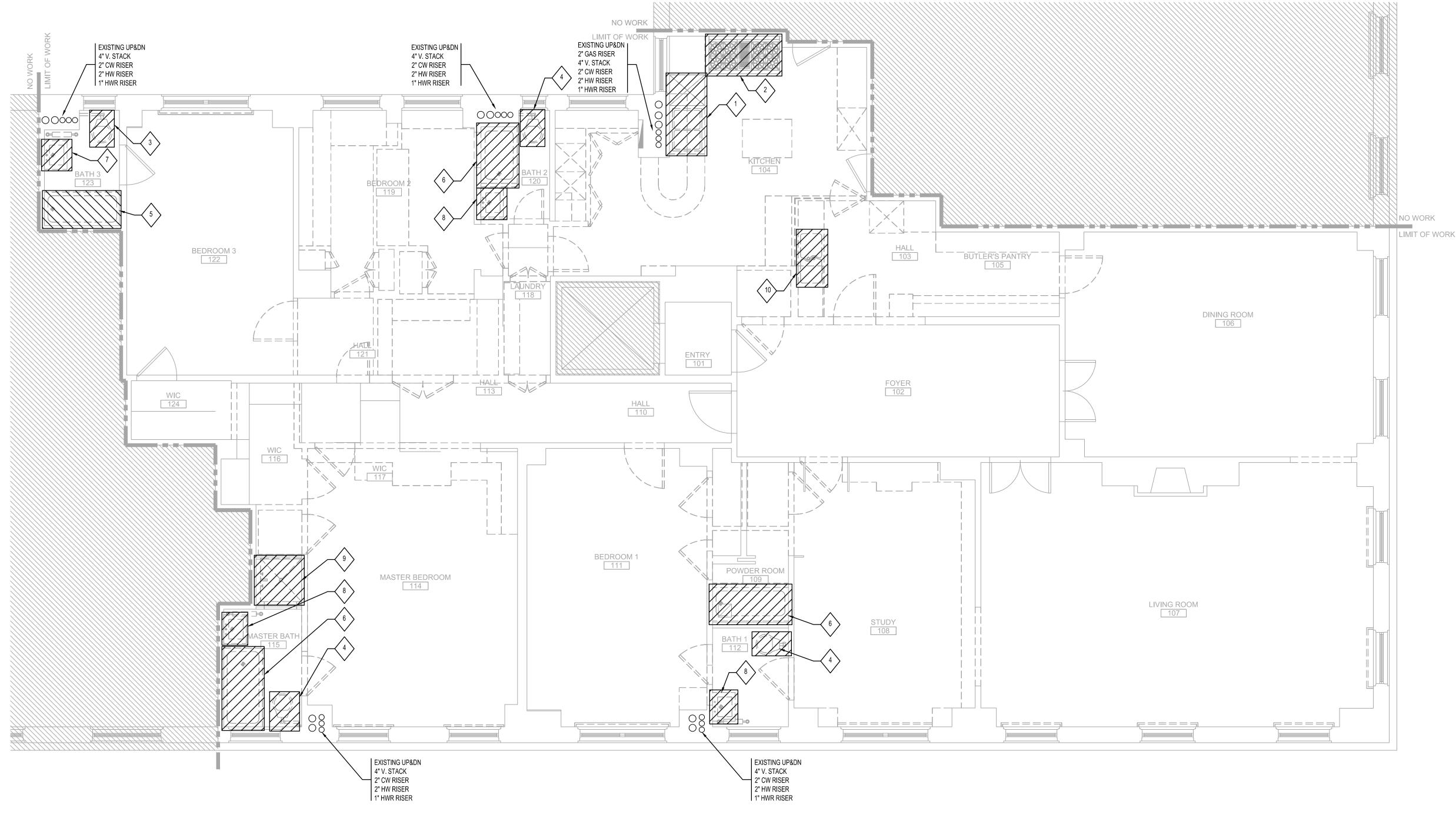
NO: 1507
D: 33
USE: RESIDENTIAL, MULTI-FAMILY BUILDING
ANCY GROUP: R2
USE GROUP: R10, R8B
USE GROUP: R10,

MEP:

Green Solutions

DINSULTING ENGINEERS, PC

104-15 95th Avenue, Ozone Park, NY 11416
T: 917-362-6719; F: 718-805-6102
info@greensolutionspc.com
www.greensolutionspc.com



PLUMBING FLOOR PLAN - DEMOLITION

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

DRAWING TITLE:

PROJECT TITLE:

NY, NY 10128

SUBMISSIONS:

04/26/17 ISSUE FOR REVIEW

ISSUE

PLUMBING FLOOR PLAN - DEMOLITION

ARTACHO/OH RESIDENCE

1220 PARK AVE, APT. 4B



ISSUE DATE: 00/00/00

PROJECT NO.: 713

DRAWN BY: AO

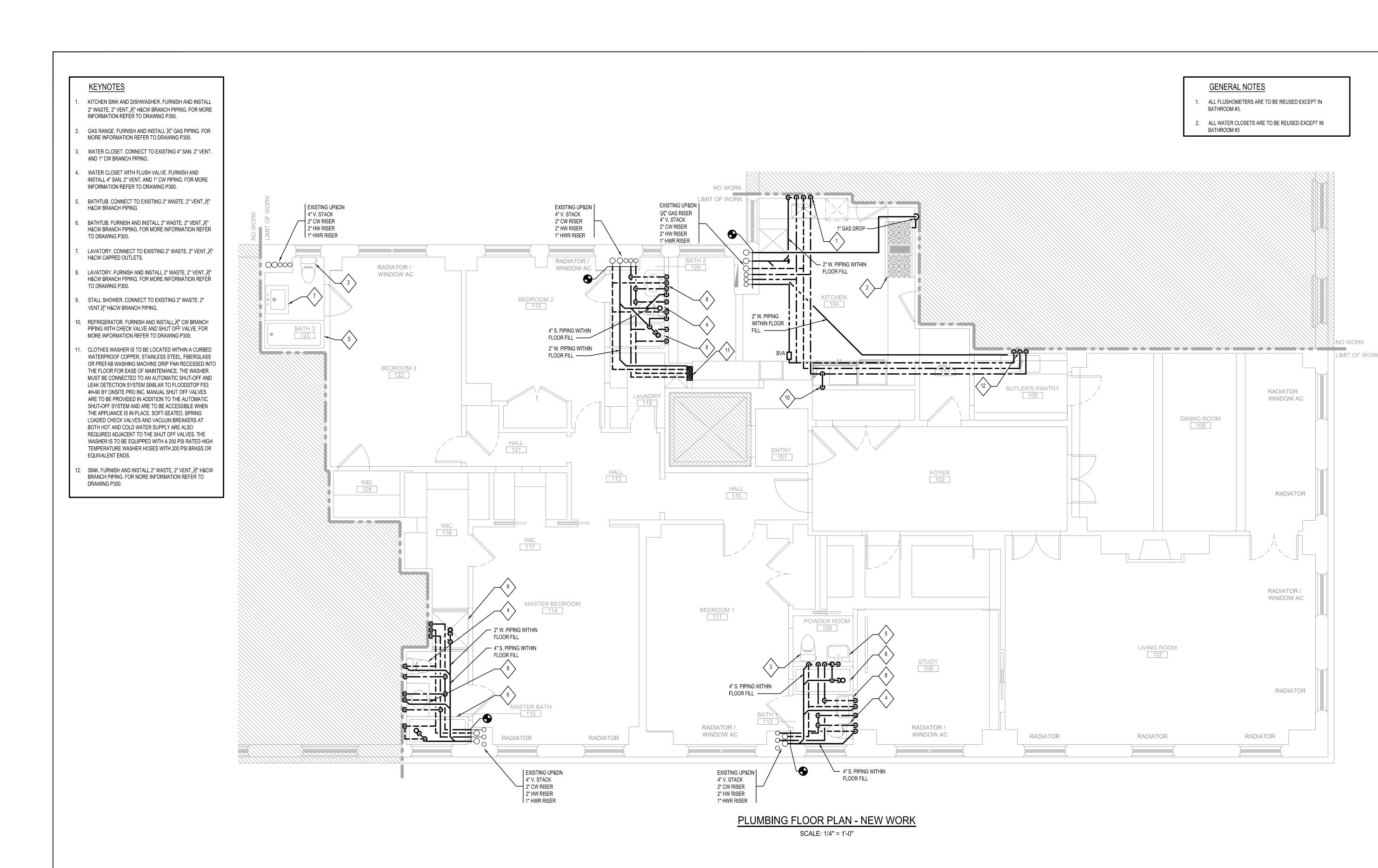
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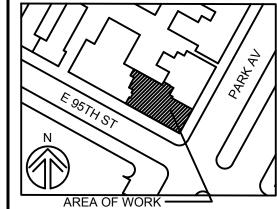
scale: NTS
P100.00

CAD FILE: SHEET 2 OF 4

THESE PLANS ARE APPROVED ONLY FOR THE WORK ON THE APPLICATION SECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.



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SUBMISSIONS:

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PROJECT TITLE: ARTACHO/OH RESIDENCE 1220 PARK AVE, APT. 4B NY, NY 10128

DRAWING TITLE:

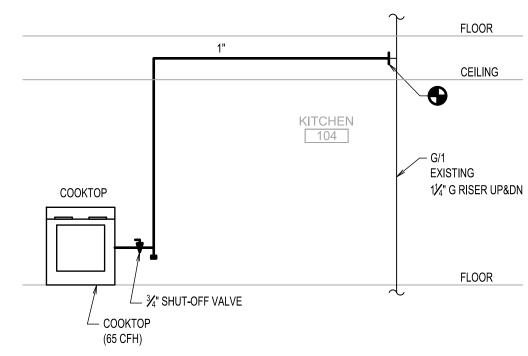
PLUMBING FLOOR **PLAN - NEW WORK**



THESE PLANS ARE APPROVED ONLY FOR THE WORK ON THE APPLICATION SECIFICATION SHEET. ALL OTHER MATTERS SHOWN

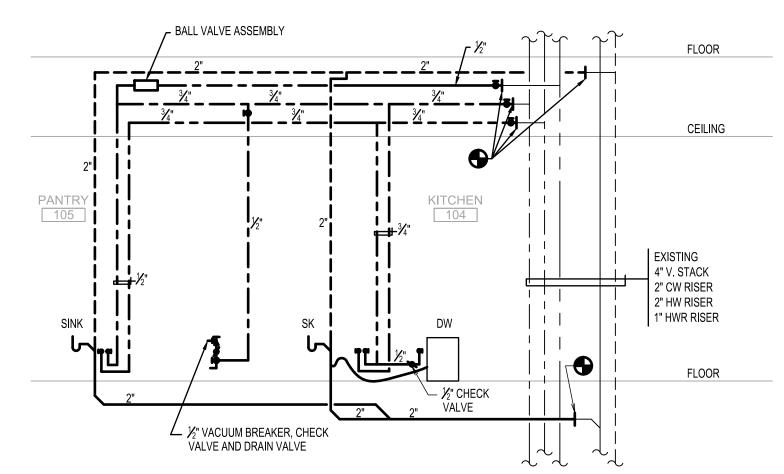
ARE NOT TO BE RELIED UPON TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

CAD FILE: SHEET 2 OF 4



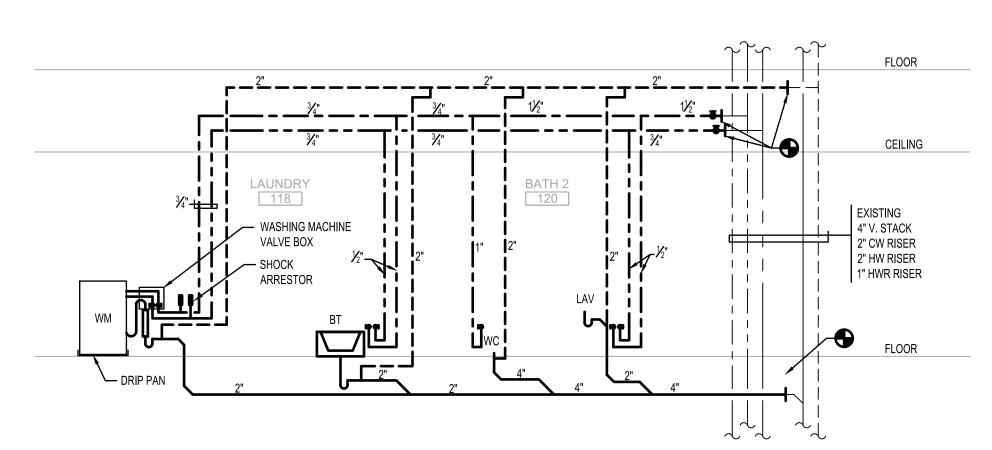
GAS RISER DIAGRAM

SCALE: N.T.S.



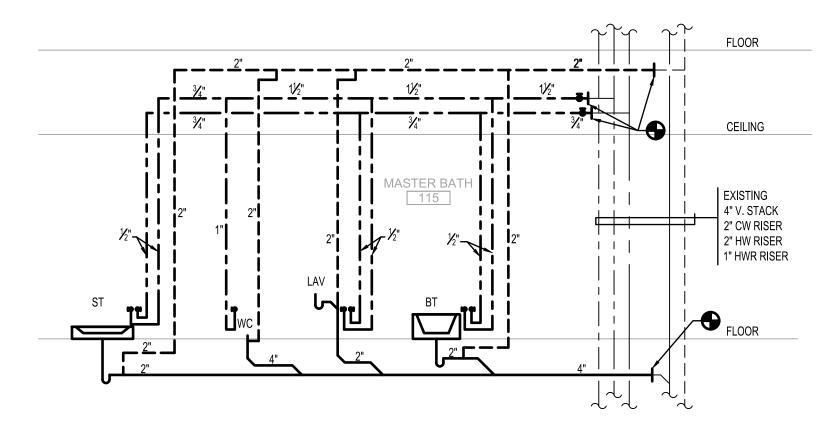
SANITARY, VENT AND DOMESTIC WATER RISER DIAGRAM

SCALE: N.T.S.

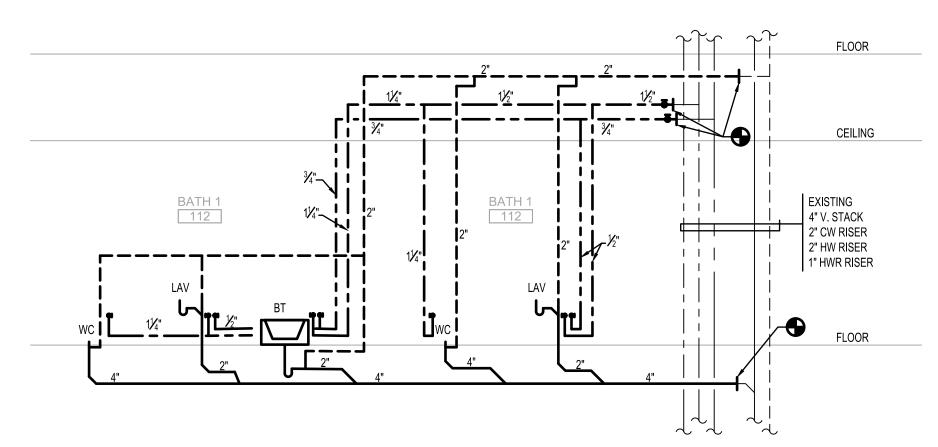


SANITARY, VENT AND DOMESTIC WATER RISER DIAGRAM

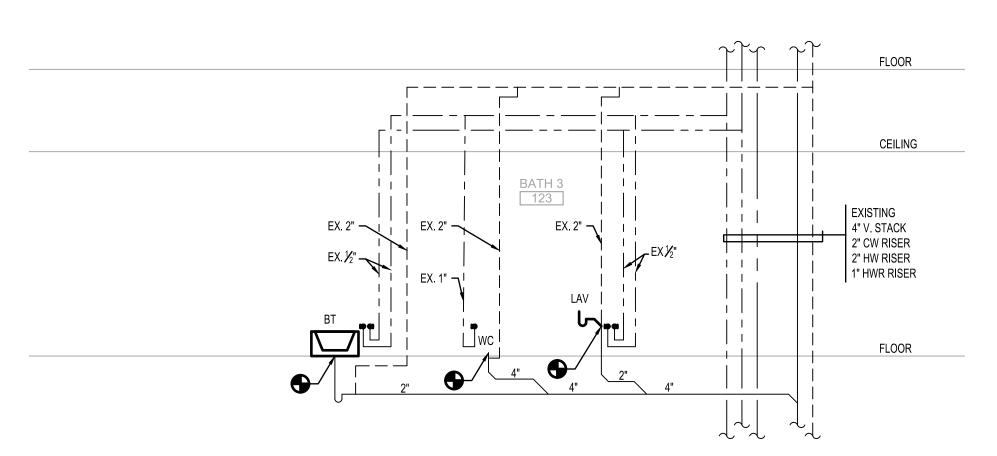
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SANITARY, VENT AND DOMESTIC WATER RISER DIAGRAM SCALE: N.T.S.

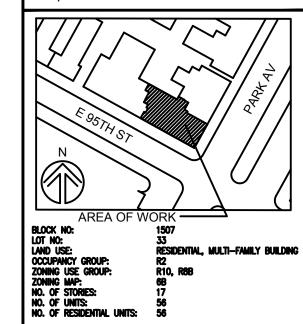


SANITARY, VENT AND DOMESTIC WATER RISER DIAGRAM SCALE: N.T.S.



SANITARY, VENT AND DOMESTIC WATER RISER DIAGRAM SCALE: N.T.S.

OWNER: ARTACHO/OH RESIDENCE 1220 PARK AVE, ATP 4B NY, NY 10128



MEP:

Greens Solutions
Engineering Energy Management
Engineering Energy Management
| CONSULTING ENGINEERS, PC |
104-15 95th Avenue, Ozone Park, NY 11416
T: 917-362-6719; F: 718-805-6102
info@greensolutionspacement

SUBMISSIONS:

DATE	ISSUE
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PROJECT TITLE:
ARTACHO/OH RESIDENCE
1220 PARK AVE, APT. 4B
NY, NY 10128

DRAWING TITLE:

PLUMBING RISER DIAGRAMS



ISSUE DATE: 00/00/00
PROJECT NO.: 713
DRAWN BY: AO
CHECKED BY: JV
SCALE: NTS

P300.00

CAD FILE: SHEET 4 OF 4

NYC DOB #

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