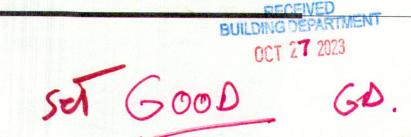
INTERIOR RENOVATION 546 BLOOM FIELD AVENUE VERONA, NEW JERSEY 07044





666 BROADYWAY, 12TH FLOOR

SHEET NO.

DRAWING TITLE

GENERAL

COVER SHEET

PLOT PLAN GENERAL NOTES

ADA ADAPTABILITY DIAGRAMS

ARCHITECTURAL

DM - 101.00A-101.01

PROPOSED PLAN - LEVEL 01

A-102.01PROPOSED PLAN - LEVEL 01 A-103.01

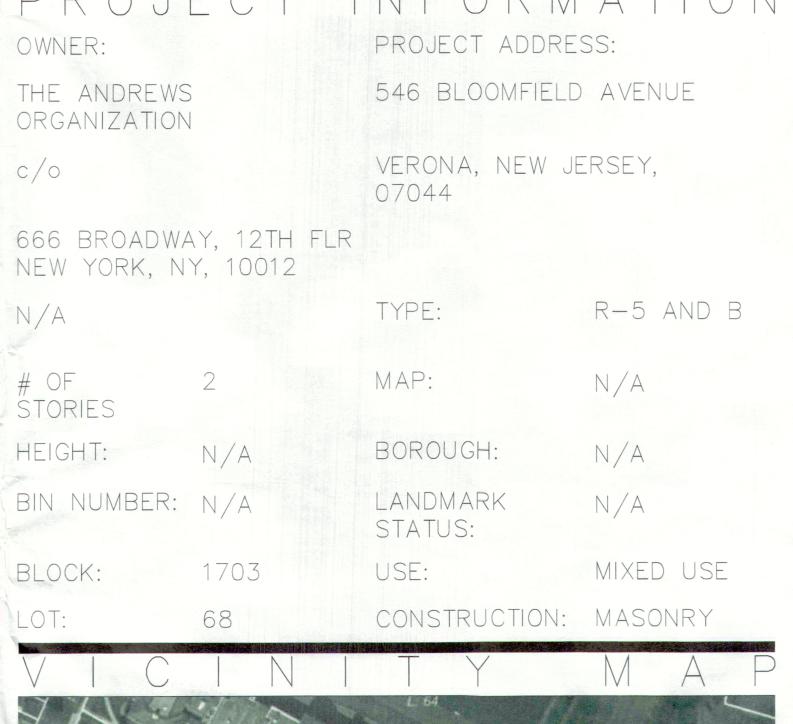
DEMOLITION PLAN - LEVEL 01

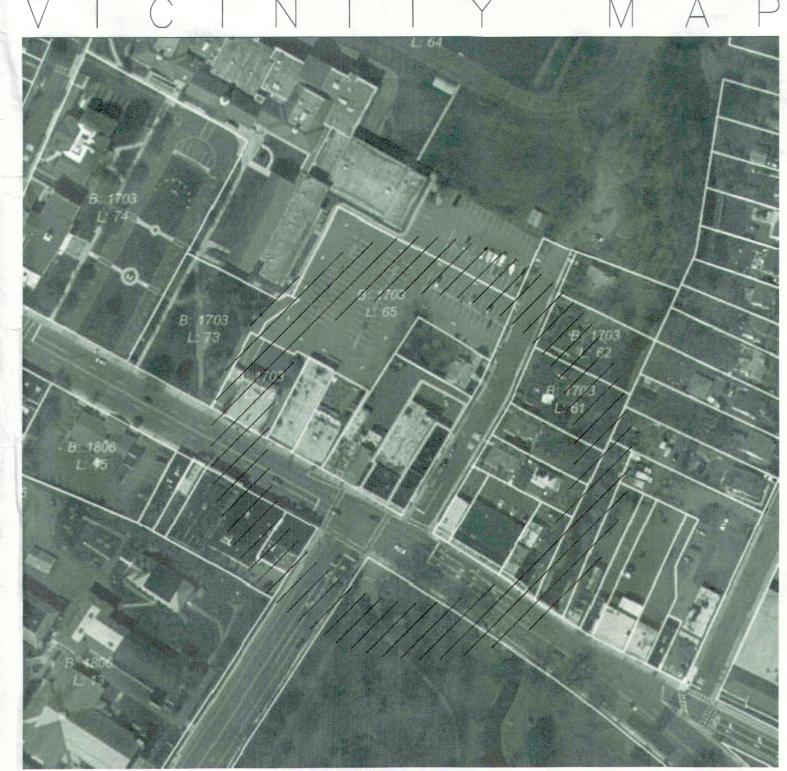
PROPOSED PLAN - LEVEL 01

WALL SECTION DETAILS



1. THE SCOPE OF WORK AT 546 BLOOMFIELD AVENUE IS TO DO AN INTERIOR RENOVATION, WHICH INCLUDES THE RELOCATION / REPLACEMENT AND ADDITION OF NEW PLUMBING FIXUTRE

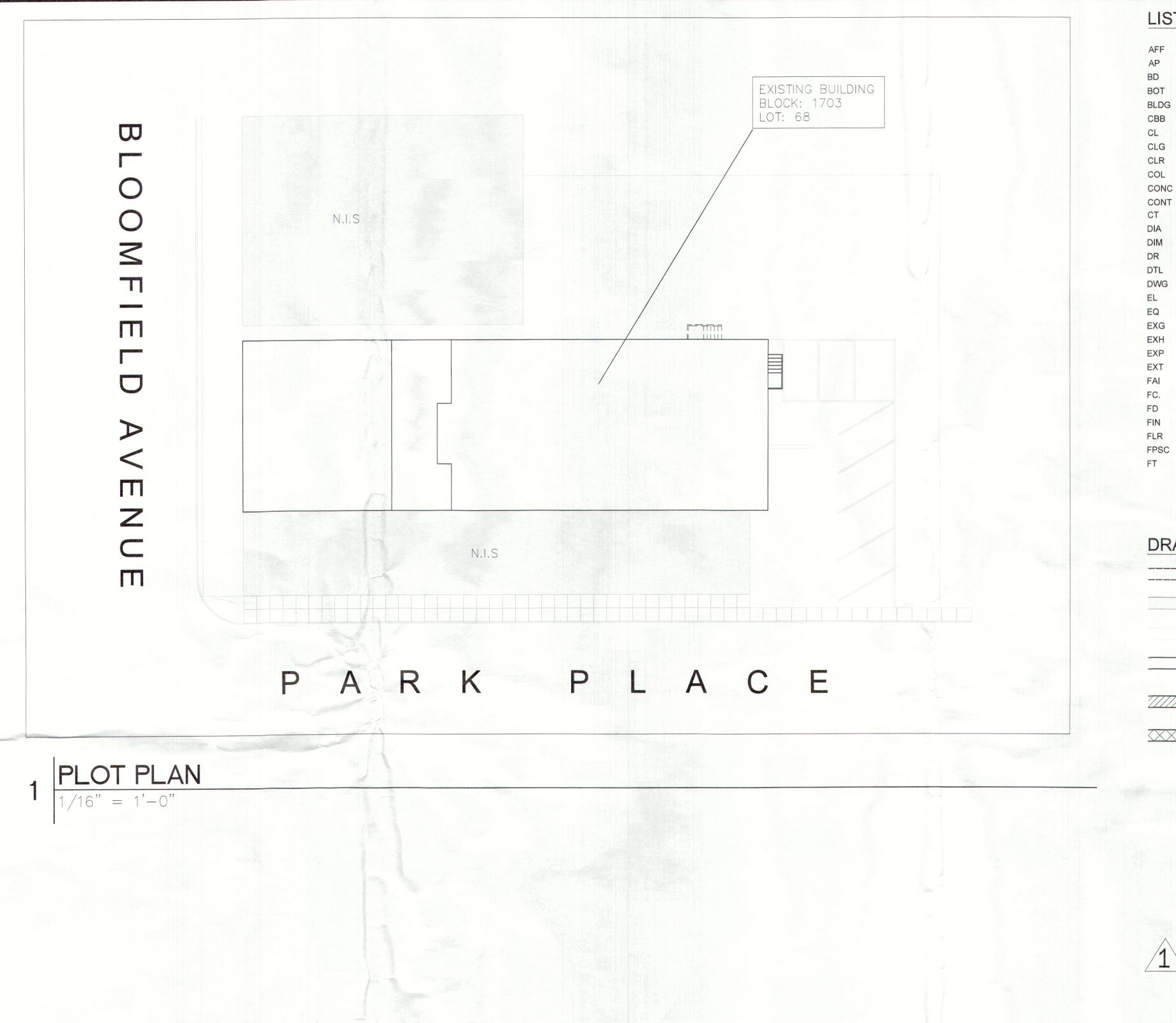






1 10.26,2023 PERMIT SET REVISION
NO DATE REVISION DESCRIPTION
D O B S U B M I S S I O N

G-000.00



EXISTING 3" VENT

BATHROOM 104

REPLACE/RELOCATE

EXISTING FIXTURES

NEW FIXTURE

LAV WC

EXISTING 5" WASTE

SANITARY DRAINAGE DIAGRAM:

BATHROOM 109

REPLACE/RELOCATE EXISTING FIXTURES

LUMBING DIAGRAMS

WC LAV

EXISTING

5" WASTE

EXISTING

BATHROOM 108

REPLACE/RELOCATE

EXISTING FIXTURES

NEW FIXTURE

LAV WC

3" VENT

LIST OF ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	GFI	GROUND FAULT INTERRUPT	RAD	RADIUS
AP	APARTMENT PANEL	GL	GLASS	REF	REFRIGERATOR
BD	BOARD	GWB	GYPSUM WALL BOARD	RD	ROOF DRAIN
BOT	воттом	HC	HOLLOW CORE	REQ.	REQUIRED
BLDG	BUILDING	HCW	HOLLOW CORE WOOD	REV	REVISION(S), REVISED
CBB	CEMENT BACKER BOARD	HDW	HARDWARE	RM	ROOM
CL	CLOSET	HM	HOLLOW METAL	SAB	SOUND ATTENUATION BLANKET
CLG	CEILING	HP	HIGH POINT	SD	SMOKE DETECTOR
CLR	CLEAR(ANCE)	HR	HOUR(S)	SEC	SECTION
COL	COLUMN	HT	HEIGHT	S.F.	SQUARE FEET
CONC	CONCRETE	IN	INCH (ES)	SIM	SIMILAR
CONT	CONTINUOUS	INT	INTERIOR	SPR	SPRINKLER (HEAD)
CT	CERAMIC TILE	KIT	KITCHEN	SS	STAINLESS STEEL
DIA	DIAMETER	LAV	LAVATORY	STC	SOUND TRANSMISSION CONTROL
DIM	DIMENSION	L.C.	LINEN CLOSET	STD	STANDARD
DR	DOOR	LP	LOW POINT	STL	STEEL
DTL	DETAIL	MAX	MAXIMUM	T.C.	TOP OF CURB
DWG	DRAWING	MAS.	MASONRY	TX	TOILET EXHAUST
EL	ELEVATION	MIN	MINIMUM	TEL	TELEPHONE
EQ	EQUAL	MO	MASONRY OPENING	THK	THICK(NESS)
EXG	EXISTING	MTD.	MOUNTED	T.O.S.	TOP OF SLAB
EXH	EXHAUST	MTL	METAL	TYP	TYPICAL
EXP	EXPOSED	N/A	NOT APPLICABLE	U.O.N.	UNLESS OTHERWISE NOTED
EXT	EXTERIOR	NIC	NOT IN CONTRACT	U.O.S.	UNDERSIDE OF SLAB
FAI	FRESH AIR INTAKE	NOM	NOMINAL	U.O.B.	UNDERSIDE OF BEAM
FC.	FIRE CODE	NR	NOT REQUIRED	VCT	VINYL COMPOSITION FLOOR TILE
FD	FLOOR DRAIN	NTS	NOT TO SCALE	VIF	VERIFY IN FIELD
FIN	FINISH(ED)	oc	ON CENTER(S)	WC	WATER CLOSET
FLR	FLOOR(ING)	OCC.	OCCUPANT(S)	W/D	WASHER/DRYER
FPSC	FIRE PROOF SELF-CLOSING	PART.	PARTITION	WD	WOOD
FT	FOOT (FEET)	PL	PROPERTY LINE	ZR	ZONING RESOLUTION

ARCHITECTURE AND ENGINEERING

546 BLOOMFIELD AVENUE INTERIOR RENOVATION THE ANDREWS ORGANIZATION 666 BROADYWAY, 12TH FLOOR

NEW YORK, NY, 10012

EAL AND SIGNATURE

D SIGNATURE

DRAWING LEGEND

EXISTING 3" VENT

EXISTING

5" WASTE

SINK

BALLROOM 105

NEW FIXTURE

EXISTING 3" VENT

KITCHEN 104

NEW FIXTURE

5" WASTE

SINK

KITCHEN 107 NEW FIXTURE EXISTING PARTITION TO BE REMOVED

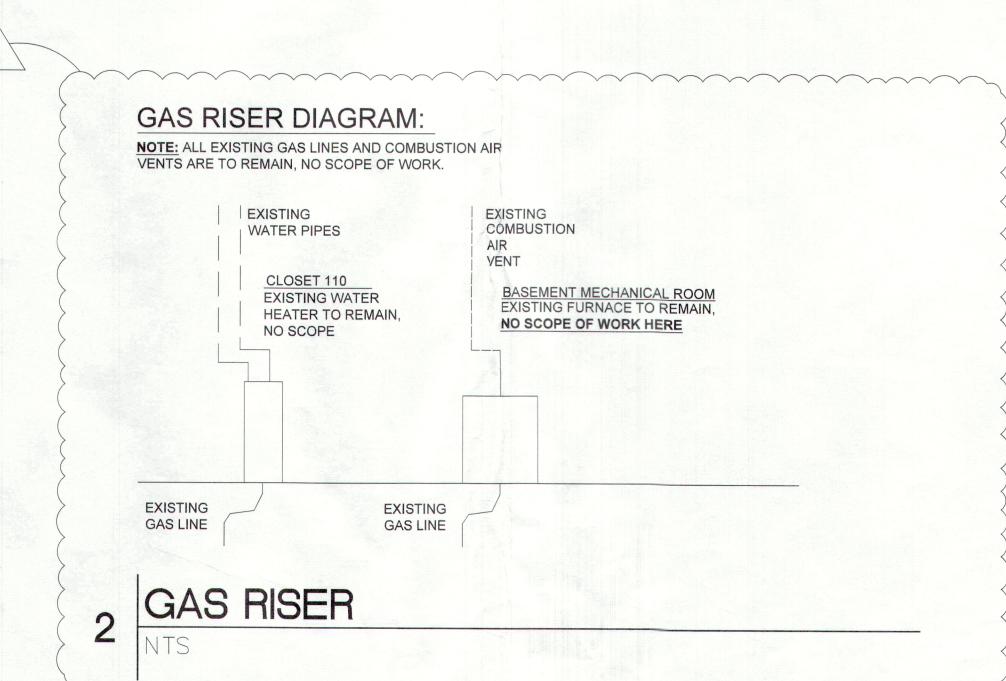
EXISTING WALL/PARTITION TO REMAIN

EXISTING CEILING ABOVE

NEW PARTITION - SEE WALL TAG AND DETAILS

NEW RATED PARTITION - SEE TAG AND DETAILS

NEW LOAD BEARING PARTITION



3
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1 10.26.2023 PERMIT SET REVISION
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SHEET TITLE

PLOT PLAN & PLUMBING
/ GAS RISER DIAGRAM

DATE
SCALE
ROCK PROJECT NUMBER
DOB JOB NUMBER

G-001.0

546 BLOOMFIELD AVENUE, VERONA, NJ 07044

NJ BUILDING CODE NOTES

ADMINISTRATIVE NOTES

ALL CONSTRUCTION IS TO BE IN STRICT ACCORDANCE WITH NATIONAL STATE AND LOCAL CODES. ALL CONSTRUCTION SHALL COMPLY WITH THE STATE OF NEW JERSEY UNIFORM CONSTRUCTION CODE & AND 2021 I.B.C. NEW JERSEY EDITION

OWNER IS TO OBTAIN NECESSARY PERMITS PRIOR TO START OF CONSTRUCTION.

THE GENERAL CONTRACTOR IS TO VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL JOB CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION PRIOR TO START OF CONSTRUCTION.

WRITTEN DIMENSIONS SHALL TAKE PREFERENCE OVER SCALED DIMENSIONS

THIS ARCHITECT HAS NOT BEEN RETAINED TO SUPERVISE CONSTRUCTION OF

ALL EXCAVATIONS SHALL BE SUBSTANTIALLY FREE OF WATER DURING FOUNDATION CONSTRUCTION WORK.

CONTRACTOR SHALL VERIFY ALL LOCATIONS OF UTILITY LINES, LIGHT POLES, HYDRANTS, ETC. AND REPORT TO THE A/E ANY CONDITION NOT CONSISTENT WITH THE DRAWINGS.

CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR CONSTRUCTION, INCLUDING THOSE FOR WORK OUTSIDE OF THE PROPERTY LINES.

ENERGY CODE REQUIREMENTS

THIS SET OF PLANS IS IN COMPLIANCE WITH THE 2021 IBC, NEW JERSEY EDITION, USING THE DEMONSTRATED COMPLIANCE METHOD.

PLUMBING SYSTEMS

ALL BUILDINGS SHALL COMPLY WITH THE REQUIREMENTS OF THE 2021 IBC NEW JERSEY EDITION

LIGHTING FOR KITCHENS, BATHROOMS, AND LAUNDRY AREAS

ALL BUILDINGS SHALL COMPLY WITH THE LIGHTING LEVELS SPECIFIED IN THE POWER BUDGET GUIDELINES OF THE 2021 IBC NEW JERSEY EDITION

GENERAL CONSTRUCTION

GREATER WIDTH.

ALL WINDOWS SHALL BE DOUBLE GLAZED WITH FULL SCREENS AND SHALL BE INSTALLED WITH FABRIC FLASHING.

UNDERCUT BATHROOM DOORS ONE INCH (1").

CONCRETE CONTRACTOR IS TO PROVIDE AND INSTALL FLASHING AT ALL ENTRANCE SLABS ADJACENT TO WALL CONSTRUCTION.

ALL FRAMING LUMBER TO BE DOUGLAS FIR OR HEM FIR NO. 2 CONSTRUCTION GRADE WITH A MINIMUM F = 1,150 P.S.I.

ALL STRUCTURAL WOOD FRAMING TO BE 2" CLEAR OF FLUES, CHIMNEYS, AND FIREPLACES AND 6" CLEAR OF FLUE OPENINGS.

COVER ALL SHEATHING FOR EXTERIOR WALLS AND ROOFS WITH 15 LB. FELT WITH A MINIMUM OF 4" LAP. SHEATHING SHALL COVER AND BE WELL SPIKED INTO FOUNDATION SILL.

INTERIOR WALLS AND CEILINGS UNLESS OTHERWISE NOTED, TO BE FINISHED WITH 1/2" GYPSUM BOARD, LAID UP AS PER MANUFACTURERS SPECIFICATIONS. WITH 1/2" GYPSUM BOARD, LAID UP AS PER MANUFACTURERS SPECIFICATIONS.

ALL WALLS FACING BATHROOMS, TOILETS, AND WATER CLOSET COMPARTMENT RESIDENCE FROM PLOTON PROPERTY OF THE EVENT THERE WILL BE A CONFLICT BETWEEN THE FLOW OF ALL PLUMBING LINES RESTING ON FILL GROUND (IF ENCOUNTERED) TO REST ON ALL PLUMBING LINES RESTING ON FILL GROUND (IF ENCOUNTERED) TO REST ON

BEARING PARTITIONS ARE TO BE CONSTRUCTED OF 2" X 4" WOOD STUDS @ 16" O.C. WITH DOUBLE TOP PLATES OF 2" X 4". PROVIDE DOUBLE STUDS AT ENDS OF OPENINGS BETWEEN 3'- 6" TO 6' - 0" AND TRIPLE STUDS AT ENDS OF OPENINGS OF

PROVIDE DOUBLE 2" X 4" WOOD STUDS UNDER ALL HEADERS, GIRDERS, BEAMS OR SUPPORTS, UNLESS OTHERWISE SPECIFIED.

ALL LUMBER TO BE GRADE MARKED. LUMBER TO BE PROVIDED AS SPECIFIED ON PLANS. PLYWOOD SHALL BEAR IDENTIFICATION AS TO GRADE, TYPE, SPECIES, OR IDENTIFICATION INDEX.

ONE 2" X 4" FRAMING SILLS OVER FOUNDATION WALLS TO BE ANCHORED TO FOUNDATION WITH 1/2" DIAMETER, ANCHOR BOLTS, OR APPROVED TYPE STRAP ANCHORS IMBEDDED 8" MINIMUM INTO POURED CONCRETE AND IS 15" MINIMUM INTO GROUTED UNIT MASONRY, SPACED 12" FROM ENDS AND A MAXIMUM OF 6'-0"

ALL WOOD SHALL BE CLEAR OF GROUND AS FOLLOWS: JOIST 18", GIRDERS 12", SILLS 8", SIDING 6".

STAIRS TO HAVE A MAXIMUM RISER HEIGHT OF 7 3/4", TREAD TO BE A MINIMUM OF 10" PLUS 1-1/4" NOSING. STAIR WIDTH SHALL BE 36" MINIMUM. A HAND RAIL SHALL BE PROVIDED ON ONE SIDE OF THE STAIR AT 30" TO 38" MEASURED VERTICALLY FROM THE LEADING EDGE OF THE TREAD AND/OR PLATFORM. GUARDS AT OPEN PLATFORMS, BALCONIES ETC. SHALL BE 42" IN HEIGHT. SPINDLES SHALL BE SPACED LESS THAN 4" APART.

ALL WALLS AND CEILINGS SEPARATING A GARAGE FROM A RESIDENCE AND AN ATTIC ARE TO BE FINISHED WITH 1/2" GYPSUM BOARD ON THE GARAGE SIDE.

ALL FIRE PARTITIONS AND FIRE SEPARATION ASSEMBLIES ARE TO BE FIRESTOPPED AT ALL FLOOR LEVELS, CEILING LEVELS, AND ROOF LEVELS. ALL EXTERIOR TRIM AT GRADE TO BE PRESSURE TREATED.

ALL CLOTHES DRYERS AND BATHROOM EXHAUST FANS TO BE VENTED TO EXTERIOR.

ROOF SHEATHING TO BE 5/8" 5 PLY 32/16 EXTERIOR GRADE PLYWOOD, OR APPROVED EQUAL. EXTERIOR WALL SHEATHING TO BE 7/16" FIBERBOARD, 3/8" PARTICLEBOARD, OR 1/2" PLYWOOD OR APPROVED EQUAL

SUB-FLOOR SHALL BE 3/4" 32/16 TONGUE AND GROVE PLYWOOD OR APPROVED EQUAL.

ALL RE-BARS SHALL HAVE MINIMUM 3" COVER, BE PLACED ON CHAIRS AND IF SANDY SOIL, CHAIRS SHALL BE ON SAND PLATES.

ALL FIRESTOPPING MATERIALS SHALL CONSIST OF APPROVED

NON-COMBUSTIBLE MATERIALS SECURELY FASTENED IN PLACE. FIRESTOPS OF APPROVED NON-COMBUSTIBLE MATERIALS OR OF MATERIALS OF TWO THICKNESSES OF 1-INCH LUMBER WITH BROKEN LAP-JOINT. OR ONE THICKNESS OF 23/32-INCH PLYWOOD WITH JOINTS BACKED BY 23/32-INCH PLYWOOD, OR OF 2-INCH LUMBER INSTALLED WITH TIGHT JOINTS, SHALL BE USED IN OPEN SPACE H.V.A.C. DUCTS, GRILLS, AND ELECTRICAL RECEPTACLES ARE NOT TO BE PLACED

BACK TO BACK IN THE SAME BAY OF STUD SPACING IN FIRE SEPARATION WALLS.

ALL GLASS SLIDING DOORS TO HAVE INSULATED TEMPERED SAFETY GLASS. ALL WOOD SOLE PLATES AT INTERIOR AND EXTERIOR WALLS TO BE TREATED WOOD SET ON SILL SEALER.

PROVIDE DOUBLE WOOD BEAMS UNDER ALL PARTITIONS WHICH RUN PARALLEL TO FLOOR JOISTS SUPPORTING THOSE PARTITIONS.

REQUIRED SOURCES OF NATURAL LIGHT SHALL HAVE AN AGGREGATE TRANSMITTING AREA OF AT LEAST 8% OF THE FLOOR AREA OF THE ROOM OR SPACE SERVED.

THE AREA OF NATURAL VENTILATION SHALL BE AT LEAST 4% OF THE FLOOR AREA BEING VENTILATED.

DOUBLE BEAMS AND SOLID BRIDGING SHALL BE USED UNDER BEARING PARTITIONS.

EMERGENCY ESCAPE: SECTION R310 OF I.R.C. (NEW JERSEY EDITION)

ROOF NOTES

PROVIDE NON CORROSIVE METAL FLASHING AT ALL ROOF INTERSECTIONS TO INSURE WATERTIGHT CONDITIONS. PROVIDE NON CORROSIVE METAL BLIND FLASHING WHERE REQUIRED TO INSURE WATERTIGHT CONDITIONS.

ALL SKYLIGHTS, METAL FLUES, VENTS, STACKS, OR OTHER ROOF ACCESSORIES REQUIRING FLASHINGS SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.

ROOF VENTS: THE TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA TO BE VENTILATED, EXCEPT THAT THE AREA MAY BE 1/300 PROVIDED AT LEAST 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO CONTRACT PRIOR TO SUBMITTING PROOF OF INSURANCE AND APPROVAL OF BE VENTILATED AT LEAST THREE FEET ABOVE EAVES OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE

PLUMBING NOTES

ALL PLUMBING SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL PLUMBING CODE.

ALL PLUMBING STACKS, EXHAUST FAN ASSEMBLIES, APPROVED TYPE GAS VENTS, CHIMNEYS, ETC. THAT PIERCE THE ROOF ARE TO BE PROPERLY FLASHED AND MADE WEATHER TIGHT. CONTRACTOR IS TO INSURE THAT THE DESIGNED DIRECTIONAL FLOW OF ROOF DRAINAGE IS MAINTAINED AND NOT IMPEDED BY ANY MATERIAL OR EQUIPMENT THAT PIERCES THE ROOF IN ITS PATH. AT NO TIME IS THERE TO BE ANY BLOCKAGE TO THE FLOW OF STORM WATER ON THE ROOF, CONTRACTOR IS TO REFER TO PLANS FOR FLOW OF DRAINAGE BEFORE PROCEEDING WITH ANY WORK AND BE RESPONSIBLE FOR NOTIFYING THE

A SOLID BASE SO AS TO PREVENT BREAKAGE, CRACKING, OR SETTLEMENT.

H.V.A.C. NOTES

THE H.V.A.C. SYSTEM IS TO BE DESIGNED BY OTHERS AND SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND ORDINANCES UNLESS PROVIDED BY ARCHITECT.

THE H.V.A.C. SYSTEM IS TO BE DESIGNED TO MAINTAIN 70 DEGREES F. INDOOR TEMPERATURE WHEN O DEGREES F. OUTDOORS WITH 15 M.P.H. WINDS. ALL DUCTWORK IN ATTIC SPACE TO BE INSULATED W/1" THICK FIBERGLASS INSULATION W/VAPOR BARRIER SEAL W/VAPOR BARRIER TAPE. GLUE ALL INSULATION TO DUCTS.

ALL DUCTWORK SHALL BE FABRICATED OF GALVANIZED SHEET METAL FOR SUPPLY AND RETURN AIR AS PER S.M.A.C.N.A. STANDARDS.

ALL REGISTERS TO BE ("TITUS" 355RL) OR EQUAL W/OPPOSED BLADE DAMPER ADJUSTABLE FROM FACE OF REGISTER.

ELECTRICAL DATA

ALL ELECTRICAL WORK TO CONFORM TO IBC (NEW JERSEY EDITION) AND 2017 NFPA 70 (NATIONAL ELECTRICAL CODE) LOCATION OF ALL OUTLETS, SWITCHES, RECEPTACLES, CEILING LIGHTS, BELL SYSTEMS, AS DIRECTED BY THE OWNER AND/OR CONTRACTOR IN ACCORDANCE WITH CODE PROVISIONS.

WIRE SIZES FOR OUTLETS, APPLIANCE, LIGHTING, ETC. SHALL BE AS LISTED:

14 A.W.G. GENERAL LIGHTING AND SWITCHING KITCHEN 12 A.W.G. ALL OTHER OUTLETS UNLESS OTHERWISE NOTED 14 A.W.G. DISHWASHER, CLOTHES, WASHER, AND REFRIGERATOR 12 A.W.G. CLOTHES DRYER, HOT WATER HEATER 10 A.W.G.

SHALL BE ON G.F.I. CIRCUITS.

ALL ELECTRICAL WORK IS TO BE INSTALLED BY A NEW JERSEY LICENSED ELECTRICIAN.

THE ELECTRICAL CONTRACTOR IS TO SUBMIT TO THE OWNER AN ELECTRICAL FIXTURE LAYOUT COMPLETE WITH ALL SWITCHING AND RECEPTACLE LOCATIONS IF NOT PROVIDED BY ARCHITECT.

THE ELECTRICAL CONTRACTOR IS TO INCLUDE IN HIS PROPOSAL THE LAMPING OF ALL ELECTRICAL FIXTURES.

MINIMUM SERVICE TO MAIN PANEL SHALL BE 150 AMPS. LOCATION OF ELECTRICAL SERVICE AND METER SHALL BE PROVIDED BY LOCAL UTILITY COMPANY.

MINIMUM WIRING TO BE #14 AWG COPPER CONDUCTORS AND GROUND FOR 15 AMP BRANCH CIRCUIT AND MINIMUM #12 AWG COPPER AND GROUND FOR 20 AMP CIRCUITS.

ALL KITCHEN COUNTER RECEPTACLES TO BE GFI PROTECTED BY UPSTREAM RECEPTACLE WIRE PER N.E.C.

FIRE PROTECTION SYSTEMS SHALL BE INSTALLED, REPAIRED, OPERATED AND MAINTAINED IN ACCORDANCE WITH 2021 IBC NEW JERSEY EDITIONAND THE INTERNATIONAL FIRE CODE

IN USE GROUP R-5: SMOKE DETECTORS SHALL BE INSTALLED AT THE FOLLOWING

- IN THE IMMEDIATE VICINITY OF BEDROOMS.
- IN ALL BEDROOMS; AND IN EACH STORY WITHIN A DWELLING UNIT, INCLUDING BASEMENTS.

BATTERY BACKUP: IN ADDITION TO THE REQUIRED AC PRIMARY POWER SOURCE SMOKE DETECTORS SHALL RECEIVE POWER FROM A BATTERY WHEN THE AC PRIMARY POWER SOURCE IS INTERRUPTED.

EACH SMOKE DETECTOR SHALL HAVE AN INTEGRAL TEST MEANS TO PERMIT THE OCCUPANT TO CHECK THAT IT IS OPERATIONAL. A CONTINUOUS POWER DISPLAY INDICATOR LIGHT IS RECOMMENDED.

IF CEILING MOUNTED, THE CLOSEST EDGE OF THE DETECTOR SHALL BE A MINIMUM OF FOUR INCHES FROM ANY WALL.

POWER SUPPLY TO BE DIRECT FROM BUILDING WIRING WITHOUT SWITCHES IN CIRCUIT SO THAT UNITS ARE IN CONTINUOUS OPERATION.

ALL DETECTORS IN A SINGLE DWELLING ARE TO BE INTERCONNECTED TO INITIATE AN ALARM AT ALL DETECTORS IN THE DWELLING UPON ALARM OF ANY SINGLE DETECTOR.

GENERAL NOTES

GENERAL CONTRACTOR SHALL NOT COMMENCE WORK UNDER THIS

G.C. AND HIS SUBCONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS BEFORE STARTING THE WORK, AND OBTAIN SIGN-OFFS UPON COMPLETION OF THE WORK.

G.C. SHALL VISIT THE PREMISES AND BE THOROUGHLY FAMILIAR WITH THE SCOPE OF THE WORK REQUIRED TO COMPLY WITH THE INTENT OF THE CONTRACT DOCUMENTS.

G.C. SHALL FAMILIARIZE HIMSELF WITH THE MEANS OF ACCESS TO THE BUILDING, ELEVATOR CAPACTIY, AND CLEARANCES FOR DELIVERY OF EQUIPMENT AND MATERIALS PRIOR TO START OF OPERATIONS.

G.C. SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES NECESSARY TO COMPLETE THE ENTIRE SCOPE OF WORK, AND SHALL COORDINATE ALL TRADES, MATERIALS DELIVERY SCHEDULES, ECT. TO PERFORM THE JOB IN THE MOST EXPEDITIOUS MANNER.

G.C. SHALL BE RESPONSIBLE FOR KEEPING SECURE ALL BUILDING MATERIALS AND FIXTURES DURING CONSTRUCTION AND PROVIDING ALL NECESSARY PROTECTION TO EXISTING OCCUPIED AREAS.

G.C. SHALL PERFORM DAILY CLEAN-UP OF THE JOB SITE.

G.C. SHALL PERFORM FINAL CLEAN-UP OF THE SITE UPON COMPLETION OF

NO CUTTING, CHOPPING OR CHANNELING OF EXISTING SLABS OR OTHER STRUCTURAL MEMBERS IS PERMITTED.

G.C. SHALL KEEP FULLY CHARGED HAND FIRE EXTINGUISHER ON SITE DURING OPERATIONS.

G.C. SHALL NOT DISRUPT ANY EXISTING DATA, TELEPHONE, OR POWER LINES THAT ARE EXISTING IN THE AREA OF INTERIOR DEMOLITION THAT COULD POSSIBLY SERVICE OTHER PORTIONS OF THE BUILDING.

ALL PAINTS AND FLOOR FINISHES SHALL BE WATER BASED MATERIALS.

ARCHITECT OF RECORD WILL VERIFY THAT THE PORTION OF WALLS TO BE DEMOLISHED ARE NON-BEARING WALLS AND ANY NEW CONSTRUCTION OF WALLS, INCLUDING RATED WALLS, FOLLOWS 2021 IBC NEW JERSEY EDITION CODES AND REGULATIONS.

ONCE DEMOLITION IS COMPLETED, THE ARCHITECT OR NJ-APPROVED INSPECTION AGENCY LISTED ON THE TR-1 MUST INSPECT THE DEMISING WALLS, CEILING AND FLOOR SLABS, AND EXPOSED SHAFTS NAND CHASES FOR HOLES, PENETRATIONS, VOISD, AND CRACKS. IF ANY SUCH CONDITIONS ARE FOUND THEY MUST BE REPAIRED, FIRE-STOPPED, SMOKE-SAFED AND/OR SEALED TO PRVENT DUST MIGRATION AND COMPLY WITH APPLICABLE LAWS.

ALL FIRE PROOFING EXPOSED, DAMAGED, DISTURBED OR COMPROMISED BY THE WORK MUST BE RESTORED BY THE G.C. WITH MATERIALS COMPARABLE ALL OUTLETS IN BATHROOMS, LAVATORIES, OUTDOOR LOCATIONS AND GARAGES TO THE BUILDING'S ORIGINAL FIRE PROOFING MATERIALS TO ACHIEVE THE ORIGINAL CODE REQUIRED FIRE RATING, REGARDLESS OF WHEN THE RATED MATERIALS WERE DAMAGED.

TAX MAP LOCATION:

TOTAL PROPOSED 1ST FLOOR

2021 INTERNATIONAL BUILDING CODE - NJ **BUILDING CODE** EDITION & UCC SUBCHAPTER 6 REHAB CODE

CONSTRUCTION TYPE WOOD FRAME "B" **USE GROUP** MIXED USE "R-5"

AREA OF 1ST FLOOR 4720 S.F.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.

THE GENERAL CONTRACTOR (G.C) SHALL PATCH AND REPAIR ALL DISTURBED AREAS TO MATCH & ALIGN WITH THE EXISTING ADJACENT AREA.

4720 S.F.

G.C. SHALL CHECK & VERIFY THE EXISTING HEATING & AIR CONDITIONING SYSTEM AND UPGRADE AND MODIFY AS REQUIRED.

4. G.C. SHALL MAINTAIN A CLEAN AND SAFE WORK AREA AT ALL TIMES. ALL WORK IN PROGRESS SHALL BE ADEQUATELY BRACED AND PROTECTED UNTIL RESIDENCE IS COMPLETED.

6. ALL INTERIOR FINISHES AND ELECTRICAL FIXTURES ARE TO BE SELECTED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE

7. ALL PLYWOOD (PLYWD) SHALL BE INSTALLED AS PER MANUFACTURERS

SPECIFICATIONS. ANY SUBSTITUTIONS OF STRUCTURAL SIZES SHALL NOT BE DONE WITHOUT THE PRIOR WRITTEN NOTIFICATION OF THE ARCHITECT, ANY CHANGES IN SIZE MAY CONSTITUTE SUBSTANTIAL FOR REDESIGN OF SUCH MEMBERS.

CONTRACTORS SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH WORK AND SHALL REPORT AT DEFICIENCIES PRIOR TO THE BEGINNING OF ANY WORK. DO NOT SCALE THE DRAWINGS. ALL WRITTEN DIMENSIONS GOVERN.

10. ALL INTERIOR DOORS SHALL BE SOLID WOOD. COORDINATE DOOR STYLE, HARDWARE & WOOD TYPE WITH THE OWNER.

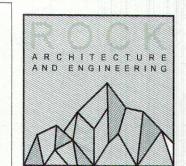
11. ALL METAL JOIST HANGAR STRAPS AND CONNECTIONS THAT ARE IN CONTACT W/ PRESSURE TREATED LUMBER SHALL BE GI60 GALVANIZED Z TYPE SERIES MANUF. BY

DRAWING LIST

SIMPSON OR APPROVED EQUAL.

NUMBER 1. G-000.00 TITLE SHEET, VICINITY PLAN & NOTES PROPERTY SURVEY AND PLUMBING RISER DIAGRAM 2. G-001.00 3. G-002.00 GENERAL NOTES 4. G-003.00 ADA ADAPTABILITY DIAGRAMS 5. DM-001.00 FIRST FLOOR DEMOLITION PLAN & NOTES PROPOSED PLAN - LEVEL 01 OVERALL 7. A-102.00 PROPOSED PLAN - LEVEL 01 8. A-103.00 PROPOSED PLAN - LEVEL 01 9. A-701.00 WALL SECTION DETAILS

DEMOLITION AND INSTALLATION OF NEW PARTITION WALLS. RELOCATION & REPLACEMENT OF NEW AND EXISTING PLUMBING FIXTURES.



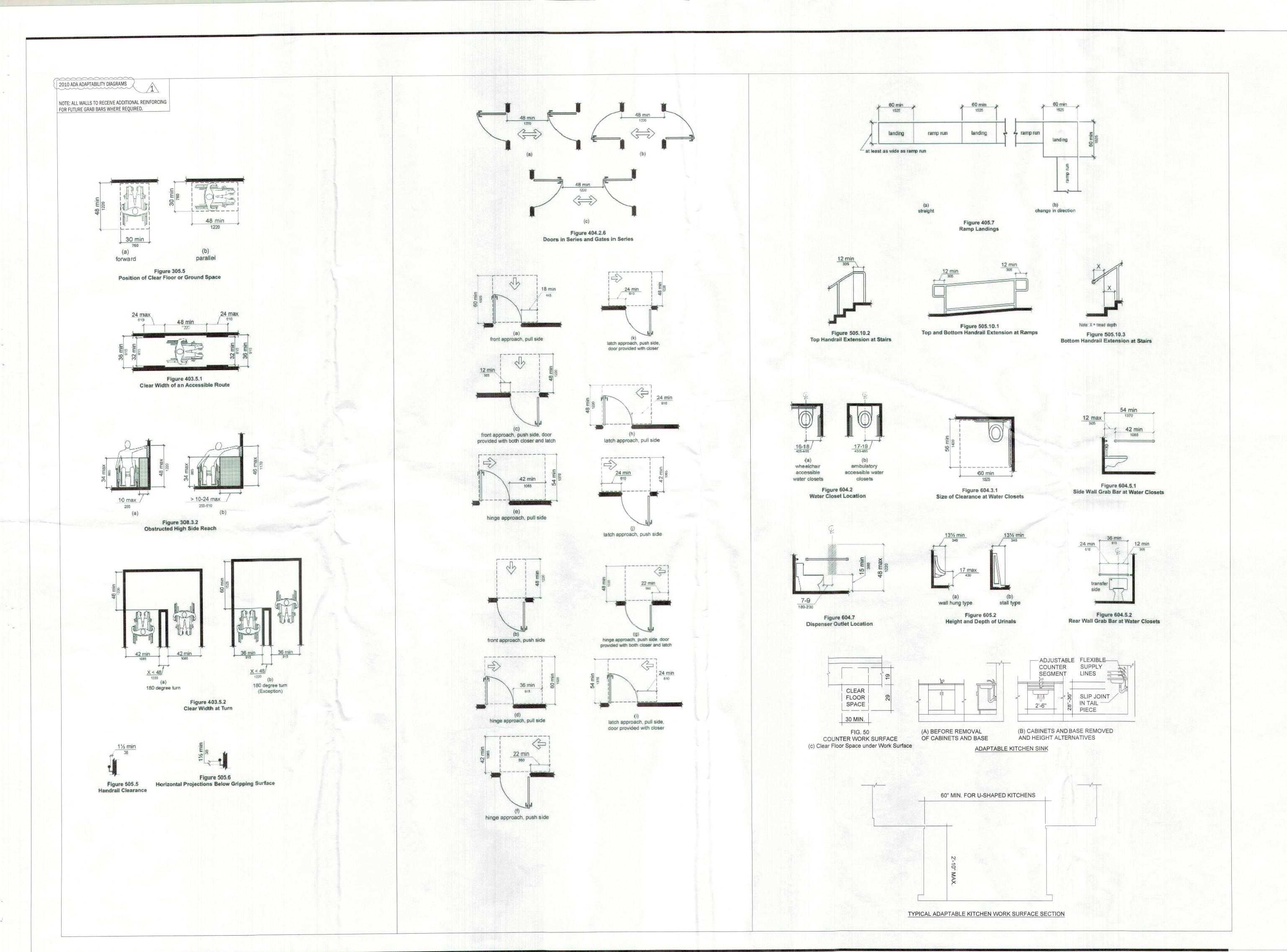
INTERIOR RENOVATION THE ANDREWS ORGANIZATION

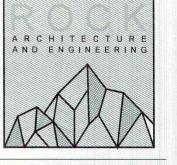
666 BROADYWAY, 12TH FLOOR NEW YORK, NY, 10012

DOB SUBMISSION

GENERAL NOTES

ROCK PROJECT NUMBER DOB JOB NUMBER





546 BLOOMFIELD AVENUE INTERIOR RENOVATION THE ANDREWS ORGANIZATION 666 BROADYWAY, 12TH FLOOR NEW YORK, NY, 10012

SEAL AND SIGNATURE

ND SIGNATURE

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1 10.26,2023 PERMIT SET REVISION
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GENERAL NOTES

DATE 10/26/2023
SCALE

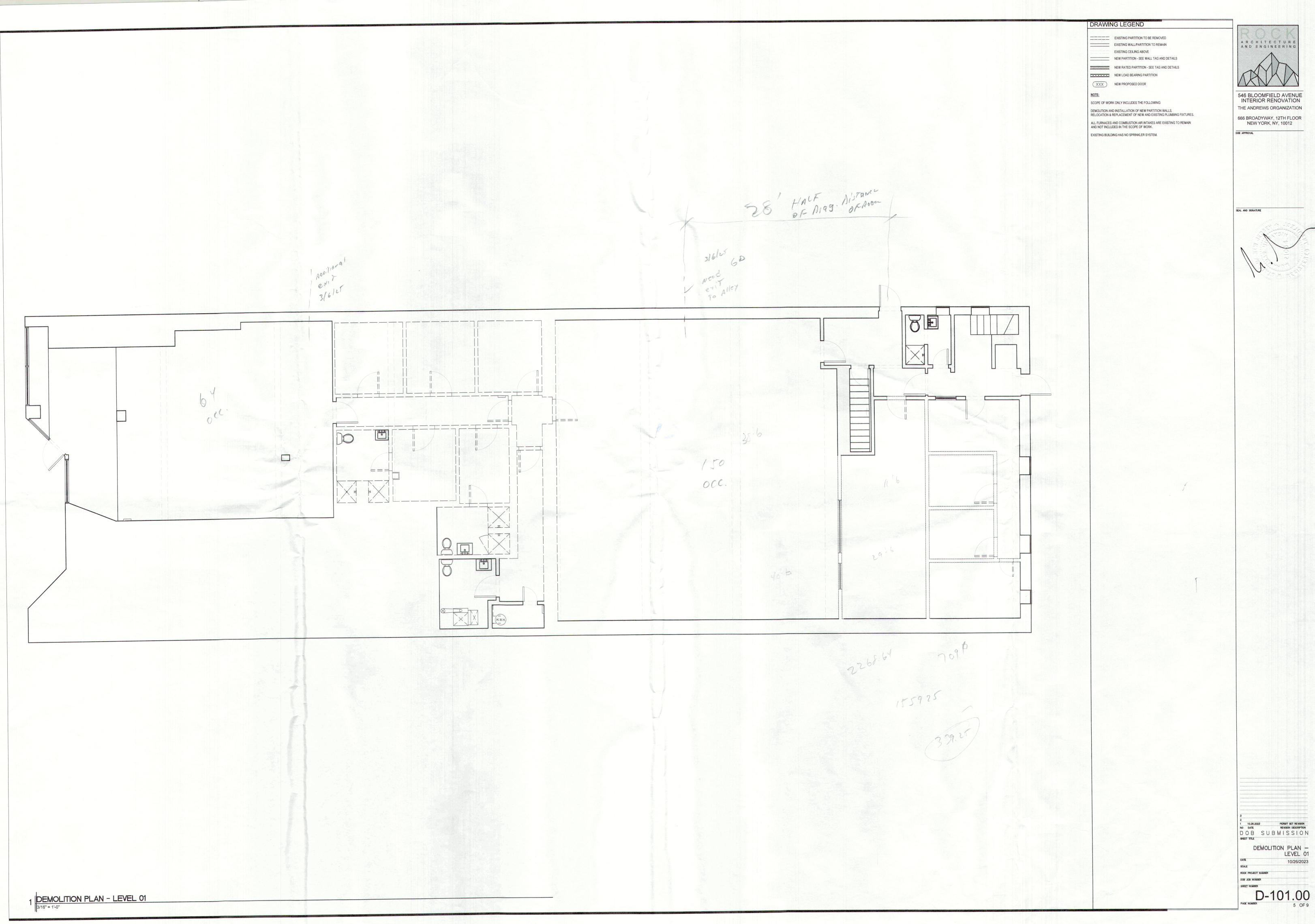
SCALE

ROCK PROJECT NUMBER

DOB JOB NUMBER

SHEET NUMBER

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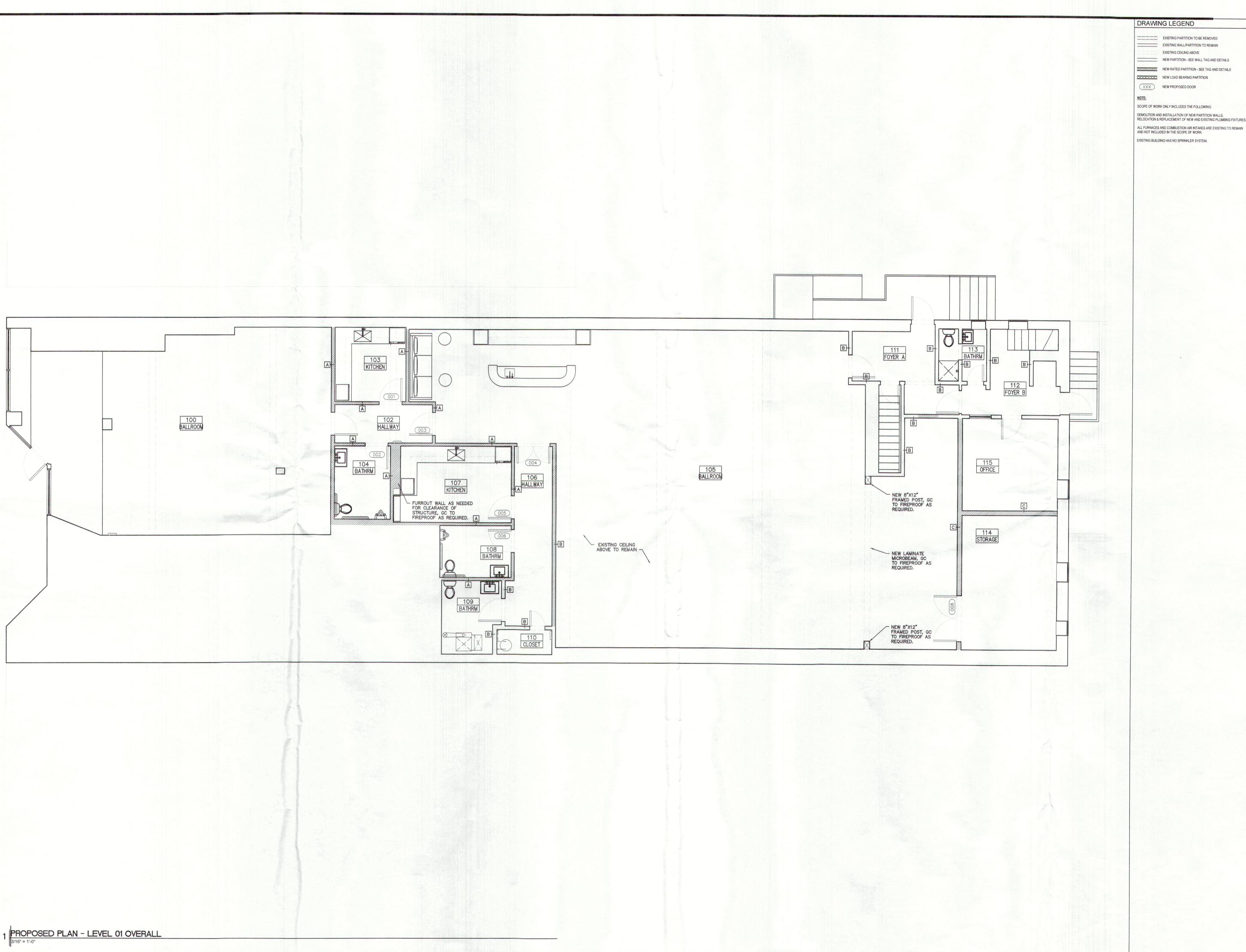


ARCHITECTURE AND ENGINEERING

546 BLOOMFIELD AVENUE INTERIOR RENOVATION THE ANDREWS ORGANIZATION

666 BROADYWAY, 12TH FLOOR NEW YORK, NY, 10012

DEMOLITION PLAN — LEVEL 01 10/26/2023



NEW PARTITION - SEE WALL TAG AND DETAILS NEW RATED PARTITION - SEE TAG AND DETAILS

DEMOLITION AND INSTALLATION OF NEW PARTITION WALLS. RELOCATION & REPLACEMENT OF NEW AND EXISTING PLUMBING FIXTURES.

ARCHITECTURE AND ENGINEERING

546 BLOOMFIELD AVENUE INTERIOR RENOVATION THE ANDREWS ORGANIZATION 666 BROADYWAY, 12TH FLOOR NEW YORK, NY, 10012

SEAL AND SIGNATURE

1 10.26.2023 PERMIT SET REVISION DATE REVISION DESCRIPTION DO D B SUBMISSION SHEET TITLE

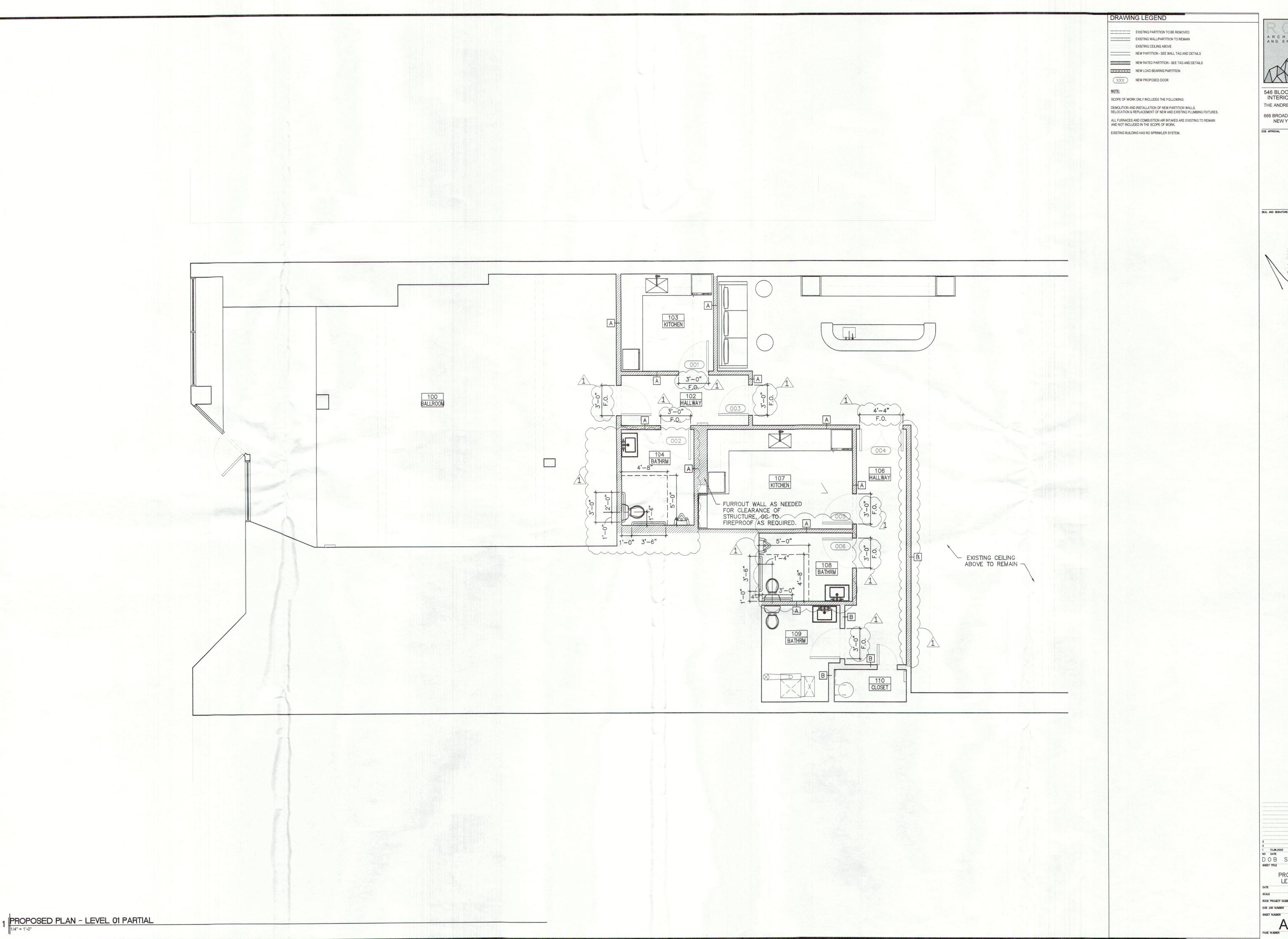
PROPOSED PLAN — LEVEL 01 10/26/2023

ROCK PROJECT NUMBER

DOB JOB NUMBER

SHEET NUMBER

A-101.01
PAGE NUMBER 6 OF 9



ARCHITECTURE AND ENGINEERING

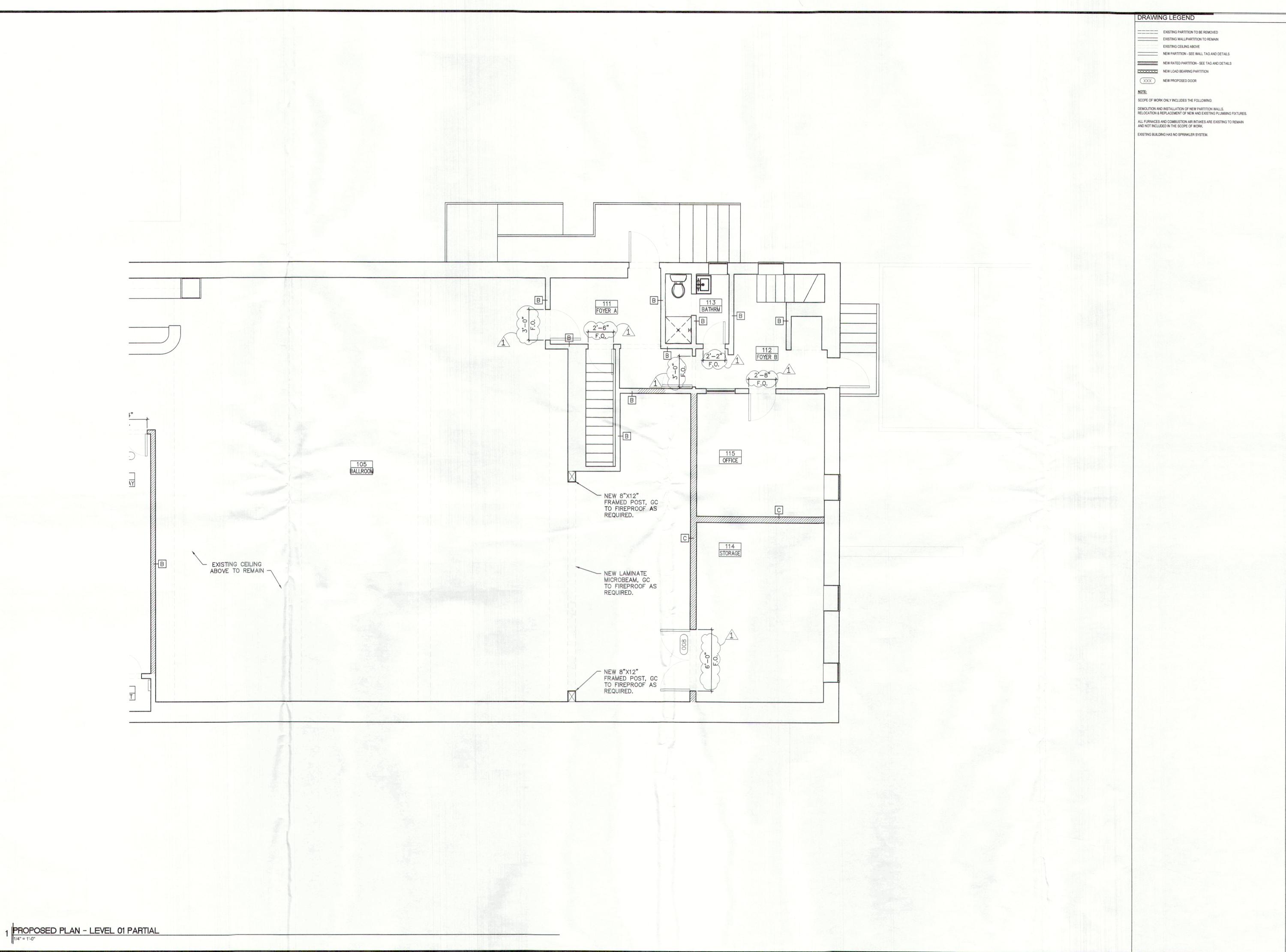
546 BLOOMFIELD AVENUE INTERIOR RENOVATION

THE ANDREWS ORGANIZATION 666 BROADYWAY, 12TH FLOOR NEW YORK, NY, 10012

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1 10.26.2023 PERMIT SET REVISION
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PROPOSED PLAN — LEVEL 01 PARTIAL

A-102.01
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ARCHITECTURE AND ENGINEERING

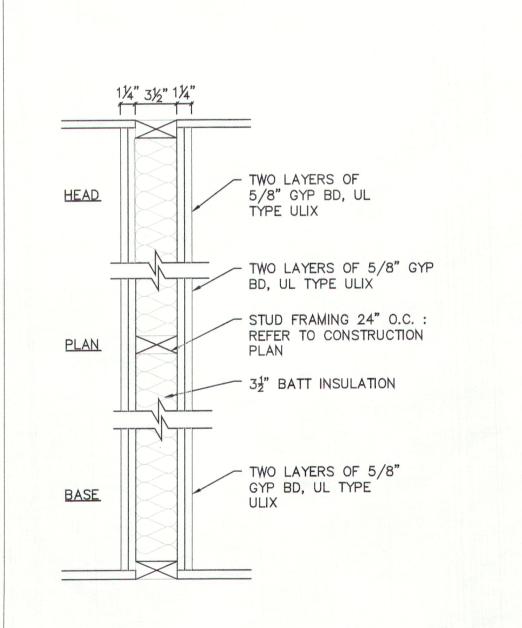
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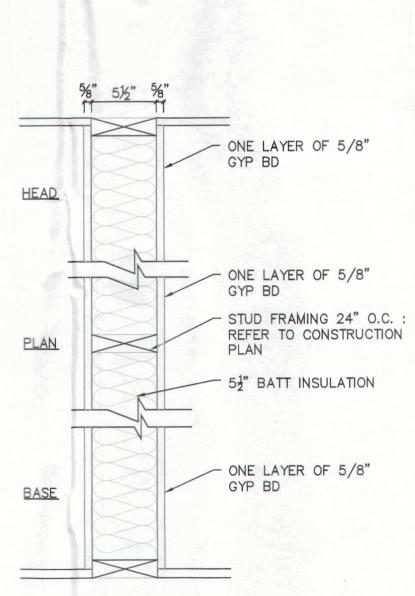
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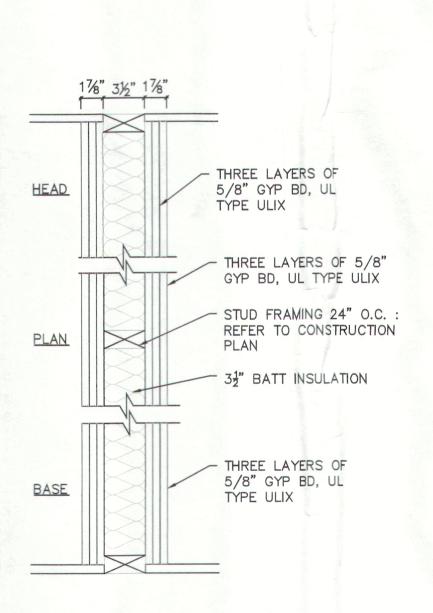
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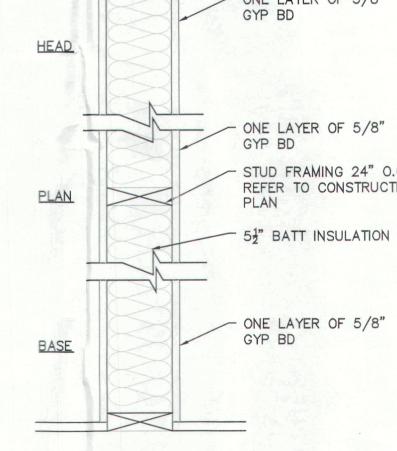
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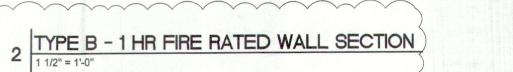


TYPE A - 2 HR FIRE RATED WALL SECTION
1 1/2" = 1'-0"









3 TYPE C - 3 HR FIRE RATED WALL SECTION

ARCHITECTURE AND ENGINEERING

546 BLOOMFIELD AVENUE INTERIOR RENOVATION THE ANDREWS ORGANIZATION 666 BROADYWAY, 12TH FLOOR NEW YORK, NY, 10012

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ROCK PROJECT NUMBER DOB JOB NUMBER

SHEET NUMBER

PROPOSED PLAN — LEVEL 01

LIGHTING & POWER INSTALLATION 544 BLOOMFIELD AVENUE

NEW JERSY 07044

GENERAL NOTES

VERONA

- 1. ALL WORK AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE ELECTRICAL CODE OF THE STATE OF NEW JERSY. THE COST OF ANY CHANGES IN EQUIPMENT OR THE INSTALLATION OF ANY EQUIPMENT TO MEET THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID SUBMITTED.
- 2. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS APPLIANCES, SUPERINTENDENCE, AND SERVICES REQUIRED TO CONSTRUCT, INSTALL, COMPLETE AND OPERATE THE ELECTRICAL SYSTEMS AS INDICATED ON THESE DRAWINGS.
- 3. THE ENTIRE SYSTEM OF CONDUITS, OUTLETS BOXES, LIGHTS, ETC., SHALL BE GROUNDED IN ACCORDANCE WITH THE STANDARDS SET FORTH IN THE LATEST REVISION OF THE ELECTRICAL CODE OF THE STATE OF NEW JERSY PROVIDE EQUIPMENT GROUND CONDUCTORS IN CONDUITS FOR ALL POWER
- 4. INDIVIDUAL WIRING SHALL BE THWN/THHN. MINIMUM SIZE WIRE FOR POWER CIRCUITS SHALL BE NO. 12 AWG. MINIMUM SIZE WIRE FOR CONTROL CIRCUITS SHALL BE NO. 14 AWG. ALL NEW WIRING SHALL BE COPPER. USE #10 AWG. CONDUCTOR FOR 20A-120V BRANCH CIRCUIT HOME RUNS LONGER THAN 75 FEET.
- 5. INSTALL ALL ELECTRICAL DEVICES (PULLBOXES, JUNCTION BOXES, FITTINGS. ETC.) IN SUCH A MANNER AS TO PROVIDE FOR READY ACCESSIBILITY FOR OPERATING, SERVICE MAINTENANCE AND REPAIR.
- 6. ALL PANELBOARDS SHALL HAVE DIRECTORIES ACCURATELY SHOWING THE ASSIGNED CIRCUITRY RESULTING FROM THIS INSTALLATION, FURNISHED BY THE ELECTRICAL CONTRACTOR.
- 7. PLUG ALL UNUSED HUBS AND KNOCK-OUTS ON PANEL ENCLOSURES, JUNCTION BOXES AND OTHER DEVICES.
- 8. MINIMUM CONDUIT SHALL BE SIZE 3/4 INCH FOR POWER.
- 9. CONDUIT RUNS SHALL BE DETERMINED IN FIELD TO PREVENT INTERFERENCE WITH AIR DUCTS, PIPING OR OTHER SERVICES. CONDUITS SHALL BE SUPPORTED FROM BUILDING STRUCTURE, NOT DUCTS, PIPES, ETC.
- NEW CONDUIT & CABLES SHALL BE AS FOLLOWS: a. RIGID GALV. STEEL CONDUIT
- c. FLEXIBLE LIQUID-TIGHT CONDUIT
- d. FLEXIBLE METAL CONDUIT
- INDOOR MOTOR CONNECTIONS e. MC CABLE W/90°C RATED WIRING - FOR DEVICE CIRCUITS RUN CONCEALED IN WALLS AND CEILING.

& WET INTERIOR LOCATIONS

OUTDOOR MOTOR CONNECTORS

- INDOORS DRY LOCATIONS

- 11. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SHOW THE APPROXIMATE LOCATIONS OF THE WORK TO BE INSTALLED. THE DESIGN/ BUILDER RESERVES THE RIGHT TO MAKE ANY REASONABLE CHANGES IN THE LOCATIONS INDICATED WITHOUT EXTRA COST.
- 12. ALL DEVICES SHALL BE FLUSH MOUNTED IN FINISHED AREAS AND SURFACE MOUNTED IN UNFINISHED AREAS UNLESS OTHERWISE NOTED ON PLAN. CONDUIT & WIRING TO BE RUN EXPOSED THROUGHOUT UNFINISHED AREA AND CONCEALED IN FINISHED AREAS, WHEREVER POSSIBLE.
- 13. ALL POWER DEVICES SHALL BE LABELED WITH BRANCH CIRCUIT DESIGNATION INCLUDING PANEL AND CIRCUIT NUMBER. ALL POWER CIRCUITS SHALL CONTAIN EQUIPMENT GROUND CONNECTORS.
- 14. ALL WORK SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND ALL TRADES RELATED TO THE INSTALLATION OF THIS PROJECT.
- 15. SITE VISIT AND COORDINATION
 - a. THIS CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS AND LIMITATIONS UNDER WHICH THIS WORK IS TO BE PERFORMED BY VISITING THE SITE PRIOR TO SUBMITTING BID.
- b. FAILURE TO EXAMINE THE EXISTING CONDITIONS AND LIMITATIONS SHALL NOT BE CONSIDERED A BASIS FOR THE GRANTING OF ADDITIONAL COMPENSATION. c. THIS CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND
- SPECIFICATIONS RELATING TO THE WORK OF OTHER TRADES AND BECOME FULLY INFORMED AS TO THE EXTENT AND CHARACTER OF THE WORK REQUIRED IN ITS RELATION TO ALL WORK IN THE
- d. THIS CONTRACTOR SHALL COORDINATE AND SCHEDULE HIS WORK ACCORDINGLY WITH ALL OTHER TRADES AND SHALL ADVISE THE OWNER'S REPRESENTATIVE IN WRITING OF ANY CONFLICTS OR DISCREPANCIES IN THE CONTRACT DOCUMENTS PRIOR TO BID AND INSTALLATION. FAILURE TO DO SO ON THE PART OF THIS CONTRACTOR SHALL RESULT IN ALL COSTS BEING BORNE BY THIS CONTRACTOR TO CORRECT SAID DISCREPANCIES.

- a. ALL WORK PERFORMED AND ALL MATERIAL INSTALLED UNDER THIS CONTRACT SHALL BE IN STRICT ACCORDANCE WITH THE GOVERNING CODES AND STANDARDS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - (a) ELECTRIC CODE OF THE STATE OF NEW JERSY (b) UNDERWRITERS LABORATORY (c) SAFETY AND HEALTH ACT (OSHA)
 - (d) NATIONAL FIRE PROTECTION
 - ASSOCIATION (NFPA) (e) LOCAL CODES

- a. SUBMIT 3 SETS OF SHOP DRAWINGS OR CATALOG CUTS BEFORE PURCHASE AND INSTALLATION FOR THE FOLLOWING
 - (a) CONDUIT
 - (b) CABLES
 - (c) WIRES (d) SAFETY SWITCHES
 - (e) CIRCUIT BREAKERS (f) TOGGLE SWITCHES

18. GUARANTEES

. GUARANTEES SHALL BE PROVIDED BY THE CONTRACTOR FOR ALL LABOR AND MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL COMPLETION AND ACCEPTANCE OF HIS WORK BY THE OWNER. THE GUARANTEE SHALL INCLUDE AN AGREEMENT TO REPAIR AND MAKE GOOD AT THE CONTRACTOR'S EXPENSE ANY OF ALL DEFECTS WHICH MAY APPEAR IN HIS WORK OR MATERIALS.

a. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY ON THE JOB AND FOR PROVIDING AND MAINTAINING GUARDS, BARRIERS, SIGNS, AND WHATEVER SERVICES ARE REQUIRED FOR THE PROTECTION AND SAFETY OF PERSONS AND PROPERTY

a. CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL REQUIRED FEES AND OBTAINING ALL NECESSARY PERMITS, ETC. FROM LOCAL AUTHORITIES HAVING JURISDICTION IN ORDER TO PROCEED WITH THE ELECTRICAL WORK HEREIN SPECIFIED.

a. BEFORE THE FINAL ACCEPTANCE BY THE OWNER OF THE ELECTRICAL WORK HEREIN SPECIFIED, THE CONTRACTOR MUST OBTAIN THE FINAL CERTIFICATE OF INSPECTION FOR THIS WORK FROM THE LOCAL AUTHORITIES HAVING

22. TEMPORARY LIGHT & POWER

- a. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHT & POWER IF REQUIRED DURING THE CONSTRUCTION PERIOD. PROVIDE SUFFICIENT TEMPORARY LIGHTING TO ENSURE PROPER LIGHTING CONDITIONS FOR ADEQUATE WORKMANSHIP AND SAFETY CAPABILITY. PROVIDE SUFFICIENT TEMPORARY POWER TO ALLOW ALL TRADES TO USE STANDARD 120VAC HAND TOOLS. REMOVE ALL TEMPORARY LIGHT AND POWER DEVICES AS REQUIRED AFTER CONSTRUCTION PERIOD.
- 23. MECHANICAL EQUIPMENT CONNECTIONS
 - a. ALL MOTORS, AC UNITS, HEATERS, ETC. ARE TO BE FURNISHED AND INSTALLED UNDER OTHER SECTIONS OF THE SPECIFICATION U.O.N. THIS CONTRACTOR SHALL FURNISH & INSTALL POWER AND 120V CONTROL WIRING TO ALL MECHANICAL EQUIPMENT. THE POWER SUPPLY LEADS TO THE MOTOR FROM CONTROLLER SHALL BE THE SAME SIZE AS THE FEEDS INDICATED ON
 - THE DRAWINGS. b. THIS CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS BETWEEN MOTORS AND STARTERS AND LEAVE UNITS AND EQUIPMENT READY TO OPERATE.
- c. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT.
- d. LOW VOLTAGE CONTROL WIRING BY MECHANICAL CONTRACTOR.

EXISTING PANEL - NEW CIRCUIT

* EXISTING CIRCUIT TO BE RELOCATED

PANEL REB	_	VOI PH.	T	120/208 MAIN 3 WIRE		225A 4		MISC M.L.O. MTG SURFACE
				VVIIXL				
DESCRIPTION	LOAD	TRIP	CIR.		CIR.	TRIP SIZE	LOAD	DESCRIPTION
	WATTS	SIZE	No.	ØAØBØC				OUT FTO
LIGHTING	400	20A	1	•••	2	20A	540	OUTLETS
LIGHTING	200	20A	3	- · · · · · · · · · · · · · · · · · · ·	4	20A	900	OUTLETS
LIGHTING	200	20A	5	- · · · · · · · · · · · · · · · · · · ·	6	20A	540	GFI OUTLETS
LIGHTING	200	20A	7		8	20A	540	GFI OUTLETS
LIGHTING	200	20A	9	-6-	10	20A	540	GFI OUTLETS
EMERGENCY LIGHTS	150	20A	11	-0-11-0-	12	20A	540	GFI OUTLETS
EMERGENCY LIGHTS	150	20A	13	-0+++-0-	14	20A	-	-100
OUTLETS	540	20A	15	-0-++-0-	16	20A	-	
OUTLETS	540	20A	17		18	20A	-	-
OUTLETS	540	20A	19	-0+H-0-	20	20A	-	-
OUTLETS	540	20A	21	1-0-1-1-0-	22	20A	-	-
OUTLETS	540	20A	23		24	20A	-	
OUTLETS	540	20A	25		26	20A	-	-
OUTLETS	540	20A	27		28	20A	-	-n/11/2
OUTLETS	540	20A	29	1-0-11-0-	30	20A		-
OUTLETS	540	20A	31	1-0-	32	20A		
OUTLETS	540	20A	33	1-0-1-1-0-	34	20A		
OUTLETS	540	20A	35	1-0-1-1-0-	36	20A	-2	
OUTLETS	540	20A	37	1-0-111-0-	38	20A	-	
OUTLETS	360	20A	39	1-0-1-1-0-	40	20A	-	
OUTLETS	360	20A	41	1-0-1-1-0-	42	20A		

DEMOLITION NOTES

- 1. EXISTING ELECTRICAL ITEMS NOT INDICATED ON THE DRAWING SHALL REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL MAINTAIN ELECTRICAL CONTINUITY TO ANY AREA OUTSIDE OF THE AREA OF DEMOLITION THAT IS AFFECTED BY THE DEMOLITION.
- 2. EXISTING ELECTRICAL ITEMS WHICH ARE TO BE REMOVED, SHALL HAVE WIRING AND CONDUIT REMOVED BACK TO POWER SOURCE UNLESS OTHERWISE INDICATED.
- 3. EXISTING ELECTRICAL ITEMS THAT BEING DISCONNECTED AND REMOVED AND ARE NOT BEING REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED.
- 4. DEMOLITION NOTES SHALL APPLY TO ALL AREA OF ELECTRIC WORK. ALL ALTERATIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. REMOVE, RELOCATE OR ADJUST ELECTRICAL WIRING, CONDUIT AND EQUIPMENT AS INDICATED AND/OR
- 5. DEACTIVATED CIRCUITS IN EXISTING PANELS TO BE LABELED AS SPARE
- 6. ANY EXISTING EQUIPMENT DAMAGED DURING DEMOLITION SHALL BE REPAIRED AND/OR RESTORED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION AND APPROVAL OF THE ENGINEER.
- 7. AT THE COMPLETION OF WORK, ALL RUBBISH, DEBRIS AND WASTE MATERIALS SHALL BE REMOVED BY THE CONTRACTOR AND THE PREMISES SHALL BE LEFT IN CLEAN CONDITION.
- 8. COORDINATE ALL DEMOLITION WORK WITH MECHANICAL CONTRACTOR.

EQUIPMENT SPECIFICATIONS

- i. EACH SLEEVE SHALL BE OF A DIAMETER THAT WILL PROVIDE 1/2" CLEARANCE OR CAULKING SPACE BETWEEN THE CONDUIT AND THE SLEEVES. SLEEVES THROUGH ELECTRICAL ROOM WALLS AND CEILINGS SHALL BE CAULKED AIRTIGHT AND WATERTIGHT. THE CONTRACTOR SHALL CAULK EACH SLEEVE TIGHT WITH OAKUM OR JUTE WITH A TWO INCH MINIMUM SPACE ON EACH EXPOSED END. WHICH SHALL BE COMPLETELY FILLED WITH THIOKOL CAULKING COMPOUND. SLEEVES THROUGH FIRE RESISTANT WALLS AND CEILINGS (RATED TWO HOURS OR MORE) SHALL BE COMPLETELY PACKED WITH MINERAL WOOL, OR EQUIVALENT NON-COMBUSTIBLE MATERIAL AND SHALL BE CLOSED OFF BY CLOSE-FITTING METAL ESCUTCHEONS ON BOTH SIDES OF
- 2. CONNECTORS FOR WIRE AND CABLE i. WIRE AND CABLE CONNECTORS SHALL BE SOLDERLESS, MECHANICAL, SOLID COPPER OR COPPER ALLOY TYPES. CONNECTORS FOR CONDUCTORS #8 AWG AND SMALLER SHALL BE BUCHANAN ELECTRICAL PRODUCTS COPPER SQUEEZE-ON TYPE WITH MOLDED RUBBER OR VINYL CAP, MINNESOTA MINING AN MANUFACTURING COMPANY "SCOTCHLOCK": OR IDEAL INDUSTRIES "SUPER NUT" SPRING CONNECTOR WITH MOLDED VINYL CAP. CONNECTORS FOR CONDUCTORS LARGER THAN #8 AWG SHALL BE MECHANICAL BOLTED TYPE, INSULATED WITH CLAMP-ON MOLDED COVERS. THE MANUFACTURER SHALL BE O.Z. ELECTRICAL MANUFACTURING COMPANY OR
- BURNDY ENGINEERING COMPANY. 3. EQUIPMENT IDENTIFICATION AND LABELS I. ALL ELECTRICAL EQUIPMENT, SUCH AS PANELS, AND ALL OTHER SIMILAR ITEMS WHICH ARE FURNISHED UNDER THIS HEADING OF THE SPECIFICATIONS SHALL BE ADEQUATELY IDENTIFIED WITH ENGRAVED LAMINATED PLASTIC NAMEPLATE HAVING BLACK BACKGROUNDS AND WHITE LETTERS. WORDING ON THE NAMEPLATES SHALL CLEARLY INDICATE THE NAMES AND FUNCTIONS OF THE EQUIPMENT. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, FIVE COPIES OF A LIST OF ALL EQUIPMENT TO BE IDENTIFIED TOGETHER WITH THE WORDING TO BE USED ON THE NAMEPLATE.
- ii. THE TYPES OF NAMEPLATES AND THE CHARACTER OF LETTERS SHALL NOT BE LESS THAN 2 1/2" X 3/4" X 1/8" THICK WITH BEVELED EDGES, AS MANUFACTURED BY THE SETON NAMEPLATE COMPANY, NEW HAVEN, CONNECTICUT, OR AS APPROVED. iii. ALL FEEDERS SHALL BE TAGGED WITH APPROVED TYPE STENCILLED METAL TAGS IN ALL PANELS AND PULL BOXES THROUGH WHICH THEY ARE ROUTED. THIS TAGGING SHALL INCLUDE FEEDER NUMBER, PANEL SOURCE, CIRCUIT NUMBER, FEEDER SIZE AND EQUIPMENT SUPPLIED.
- 4. PULL BOXES AND TROUGHS i. PULL BOXES AND TROUGHS WITH COVERS SHALL BE FABRICATED FROM MINIMUM #12 USSG GALVANIZED SHEET STEEL WITH ALL SEAMS AND JOINTS WELDED AND GROUND SMOOTH. COVERS SHALL BE SECURED TO PULL BOXES WITH NICKEL OR CADMIUM PLATED, OVAL HEAD SCREWS PROVIDED WITH STOP BEAD WASHERS. TROUGHS SHALL HAVE HINGED COVERS AND SHALL BE HELD CLOSED WITH EXTERNAL CLAMPS. DIMENSIONS OF BOXES AND TROUGHS SHALL BE AS REQUIRED BY THE ARRANGEMENT OF CONDUITS, EQUIPMENT OR APPLICABLE CODE REQUIREMENTS.

GRAY ENAMEL.

6. OUTLET AND JUNCTION BOXES

FIXTURE OPENING.

CADMIUM OR ZINC.

7. MISCELLANEOUS MATERIALS

C-149 LINE.

8. SAFETY SWITCHES

ELECTRIC, ITE

9. TOGGLE SWITCHES

10. CIRCUIT BREAKERS

PULL WIRES IN CONDUIT RUNS WHETHER INDICATED ON THE

DRAWINGS OR NOT. BOXES AND TROUGHS USING CONCENTRIC OR

ACENTRIC KNOCKOUTS SHALL BE GROUNDED TO THE INCOMING

CONDUITS BY MEANS OF GROUNDING FITTINGS AND BONDING

JUMPERS. OZ TYPE BLG INSULATED GROUNDING BUSHINGS, AS

SPECIFIED ELSEWHERE, SHALL BE USED. BONDING JUMPERS

GROUND LUG SHALL BE WELDED INSIDE EACH BOX AND TROUGH

SQUARE SHEET METAL BOX WITH BLANK COVER AND SUITABLE

HANGER BAR; BOX TO BE FASTENED TO CEILING SUSPENSION

SQUARE, 4 11/16" SQUARE RINGS TO SUIT FLUSH OUTLETS, 1

CONDITIONING MACHINE ROOMS SHALL MALLEABLE IRON OR

CONNECTION TO RIGID CONDUIT. BOXES SHALL BE TREATED

iv. EXPOSED (SURFACE MOUNTED) WALL OUTLETS FOR USE IN DRY

INTERIOR LOCATIONS SHALL BE 4" SQUARE X 1 1/2" STAMPED STEEL GALVANIZED BOXES, SINGLE OR MULTI-GANG AS

ALLOY BOXES OF THE FS OR FD "UNILET" TYPE, SINGLE OR

MULTI-GANG AS REQUIRED, WITH HUBS FOR THREADLESS

OVERALL WITH A CORROSION-RESISTANT COATING OF

v. EXPOSED CONDUIT (SURFACE MOUNTED) CEILING OUTLETS

SHALL BE ROUND MALLEABLE IRON OR ALLOY BOXES WITH

CADMIUM OR ZINC. BOXES SHALL BE CROUSE-HINDS COMPANY

THREADED HUBS FOR CONDUIT CONNECTIONS, TREATED

TYPE GREX OR APPLE TON WITH FOUR (4) CONDUIT HUBS.

UNUSED HUBS SHALL BE CLOSED WITH THREADED PLUGS.

i. PIPE STRAPS FOR EXPOSED CONDUIT SHALL BE HEAVY DUTY

CONDUIT CLAMPS, COMPLETE WITH BACKSTRAPS (CLAMP

CADMIUM OR ZINC COATED, ONE SCREW, MALLEABLE RIGID

BACKS), APPELTON ELECTRIC COMPANY # 17100 AND 27100

ii. CONDUIT HANGERS FOR SINGLE RUNS OF CONDUIT SHALL BE

TYPE HANGERS, STEEL CITY ELECTRIC COMPANY'S KINDORF

ONE-PIECE, ELECTRO-GALVANIZED, STRAP STEEL CLEVIS

iii. CONDUIT RACKS FOR GROUP RUNS OF CONDUIT SHALL BE

SUCH AS "UNISTRUT". EFCOR OR STEEL CITY ELECTRIC

STRUCTURAL STEEL SECTIONS.

COMPANY'S KINDORF DEVICES MAY BE USED IN LIEU OF

iv. HANGER RODS SHALL BE GALVANIZED OR CADMIUM PLATED

THREADED STEEL RODS OF ADEQUATE SIZE TO SUPPORT THE

LOAD WHICH THEY CARRY. MINIMUM DIAMETER SHALL BE 1/2"

ACKERMAN-JOHNSON EXPANSION NUTS WILL BE ACCEPTABLE

NON-FUSED AS INDICATED ON THE DWGS. HEAVY DUTY NEMA 1

v. INSERTS IN CONCRETE WORK SHALL BE EXPANSION ANCHORS

WITH TAPPED STEEL OR BRASS CORE NUTS SET IN DRILLED

i. 2 OR 3 POLE AS INDICATED ON DRAWING 240V AC, FUSED OR

ENCLOSURE INDOORS, NEMA 3 ENCLOSURE OUTDOORS.

ACCEPTABLE MANUFACTURERS: SQUARE `D', GENERAL

TOGGLE TYPE SAFETY SWITCHES FOR INDOOR A/C UNITS.

i. NEW CIRCUIT BREAKER SHALL BE SIZED AS INDICATED ON THE

ACCEPTABLE MANUFACTURERS: HUBBEL, LEVITON, GE

2 POLE, 20 AMP, 120-277V SPECIFICATION GRADE.

HOLES. PIERCE PHILLIPS READ HEAD, STAR OR

AMPERE RATING AS INDICATED ON DRAWINGS

STRUCTURAL STEEL MEMBERS OF GALVANIZED CHANNEL,

JUNCTION BOXES SHALL BE PROVIDED WITH BLANK COVERS.

OVERALL WITH A CORROSION RESISTANT COATING OF

MEMBERS IN AN APPROVED MANNER, NOT LESS THAN 1'-0" FROM

SHALL BE COPPER AND AT LEAST MINIMUM CODE SIZE. A

i. RECESSED CEILING FIXTURE OUTLETS SHALL BE 4 11/16"

GALVANIZED, DRAWN SHEET STEEL 4" OCTAGONAL OR

iii. EXPOSED (SURFACE MOUNTED) WALL OUTLETS FOR USE

ii. EXTENSION RINGS FOR FLUSH OUTLETS SHALL BE

OUTDOORS, WET INTERIOR LOCATIONS AND AIR

1/2" DEEP OR DEEPER WHERE NECESSARY

ii. PULL BOXES AND TROUGHS SHALL BE FINISHED INSIDE AND OUTSIDE WITH A SHOP-APPLIED COAT OF ASA #61 LIGHT 5. THE CONTRACTOR SHALL PROVIDE ALL PULL BOXES REQUIRED TO

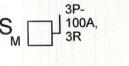
WIRING AND CONDUIT, HALF ARROW



WIRING AND CONDUIT, FULL ARROW







UNFUSED DISCONNECT SWITCH, RATINGS AS INDICATED ON DRAWINGS 3R - INDICATES NEMA 3R ENCLOSURE FOR OUTODOOR

'M' INDICATES OCCUPANCY SENSOR

DUPLEX THREE WIRE GROUNDED RECEPTACLE SUBSCRIPT 'WP' INDICATES WEATHER PROOF 'GFI' INDICATES GROUND FAULT INTERUPTER 'C' INDICATES COUNTER HEIGHT

CIRCUIT BREAKER

DWG. DRAWING E.C. GROUND

PWR. ANGLE OR BAR SECTION AND OF ADEQUATE SIZE AND WEIGHT ROOM FOR THE APPLICATION. APPROVED PATENTED RACK ASSEMBLIES SW.

UNLESS OTHERWISE NOTED U.O.N. UNFUSED WEATHERPROOF

SYMBOL LIST

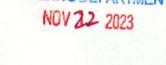


INDICATES A SINGLE-POLE HOMERUN

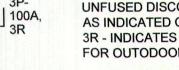


INDICATES A MULTI-POLE HOMERUN









CONTROL PANEL W/ MOTOR STARTERS TOGGLE TYPE LOCAL DISCONNECT SWITCH

PEDESTAL DUPLEX OUTLET, 1PHASE, 120V IN A HUBBLE BOX CATALOG NUMBER: SS309D

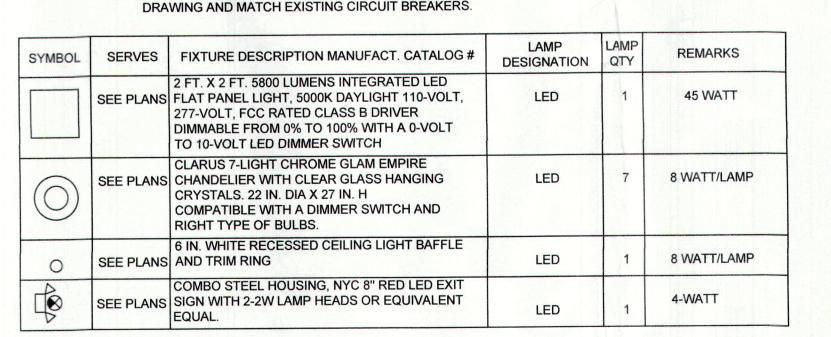


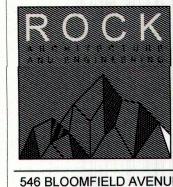
ABBREVIATIONS

CONTROL PANEL/MOTOR STARTER DIST. DISTRIBUTION

EMPTY CONDUIT

MT'D MOUNTED N.T.S. NOT TO SCALE





INTERIOR RENOVATION THE ANDREWS ORGANIZATION

666 BROADYWAY, 12TH FLOOR NEW YORK, NY, 10012



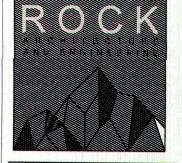


DOB SUBMISSION

ELECTRICAL TITLE SHEET

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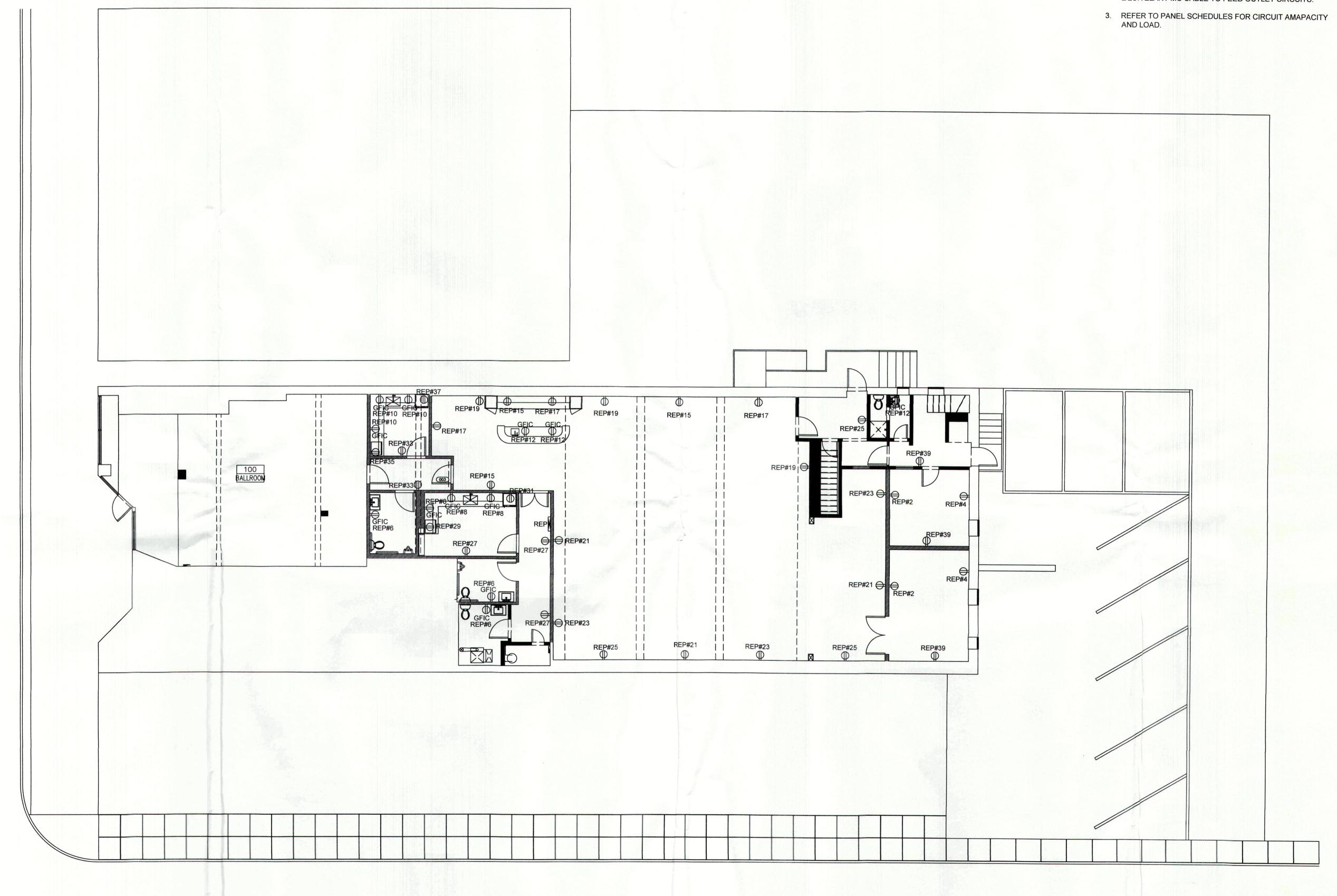
- FOR ALL CIRCUIT, RUN 2#12, 1#12G, IN 3/4"C OR EQUIVELANT MC CABLE TO FEED OUTLET CIRCUITS UNLESS OTHERWISE NOTED.
- FOR RUNS OVER 200 FEET, RUN 2#10, 1#10G, IN 3/4"C OR EQUIVELANT MC CABLE TO FEED OUTLET CIRCUITS.



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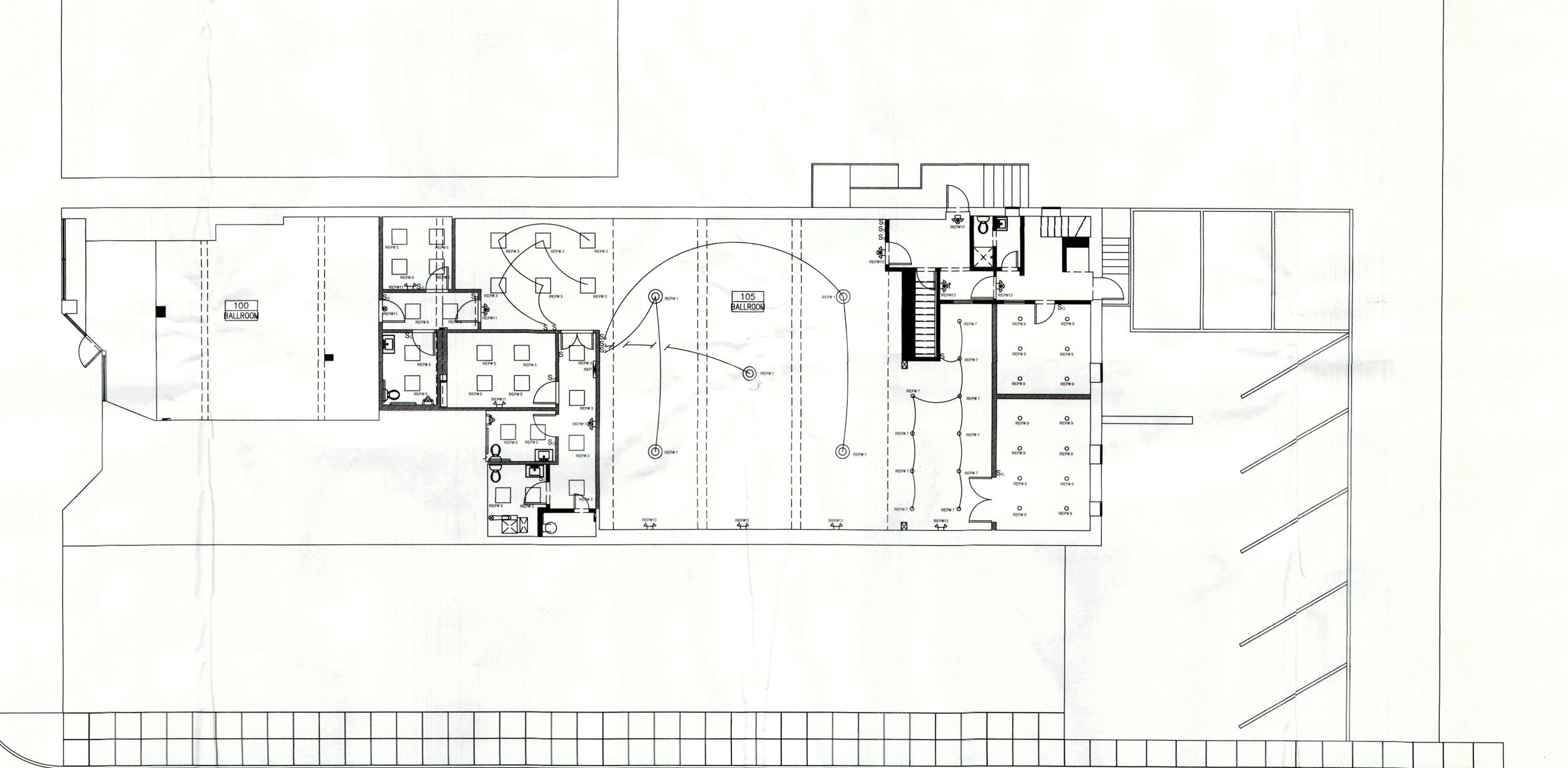
1 PROPOSED PLAN - POWER

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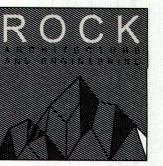
NOTES:

- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LIGHITNG FIXTURES EXACT LOCATION.
- FOR ALL LIGHTING CIRCUIT, RUN 2#12, 1#12G, IN 3/4"C OR EQUIVELANT MC CABLE TO FEED LIGHITING CIRCUITS UNLESS OTHERWISE NOTED.
- FOR RUNS OVER 200 FEET, RUN 2#10, 1#10G, IN 3/4"C OR EQUIVELANT MC CABLE TO FEED LIGHTING CIRCUITS.
- 4. REFER TO TITLE PLAN FOR LIGHITNG SCHEDULE.
- 5. ALL LIGHITNG CIRCUIT SHALL BE CONTROLLED VIA TOGGLE TYPE SWITCH IN A CENTRAL LOCATION. FINAL CONTROL SWITCHES LOCATION TO BE DETERMINED BY THE OWNER/PROJECT MANAGER.
- 6. EACH RESTROOM'S LIGHITNG FIXTURES SHALL BE CONTROLLED VIA LOCAL MOTION SENSOR SWITCH WITH MANUAL OVERRIDE CAPABILITY.
- 7. EMERGENCY LIGHTING FIXTURES SHALL BE FED FROM THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.



PARK PLACE

1 PROPOSED PLAN - LIGHTING



546 BLOOMFIELD AVENUE INTERIOR RENOVATION
THE ANDREWS ORGANIZATION

666 BROADYWAY, 12TH FLOOR NEW YORK, NY, 10012

3 APPROVAL

SEAL AND SIGNATURE





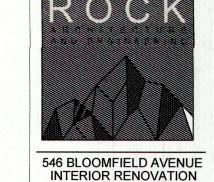
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2
1 11.10.2023 PERMIT SET REVISION DESCRIPT
D O B S U B M I S S I C

ELECTRICAL POWER PLAN

DATE 11/10/
SCALE
ROCK PROJECT NUMBER
DOB JOB NUMBER

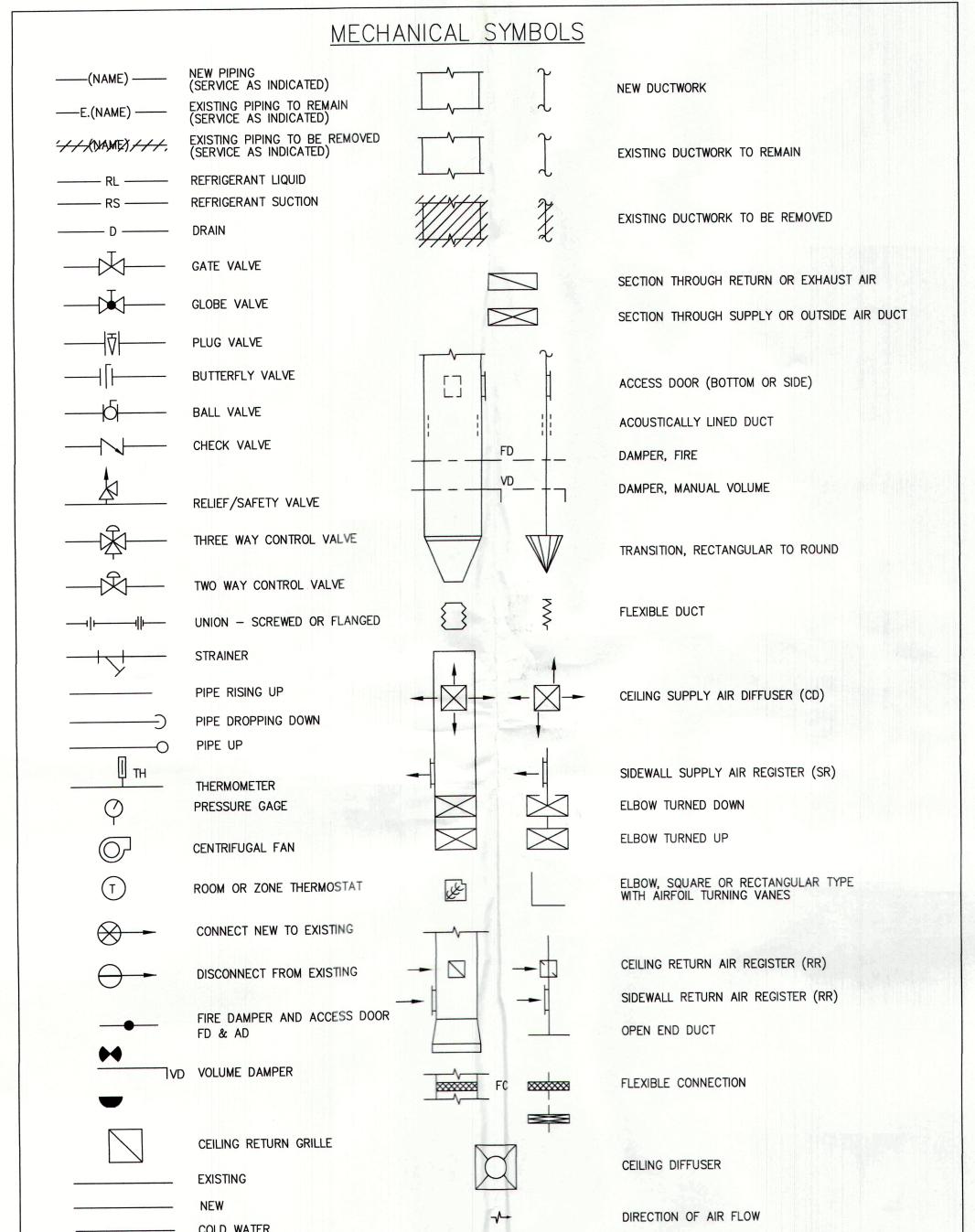
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HVAC SYSTEM 546 BLOOMFIELD AVENUE



NEW JERSEY 07044

VERONA



		SHEET SET		
SHEET	SHEET No.	SHEET TITLE	REVISION No.	REVISION DATE
TITLE D	RAWINGS			
MECHA	NICAL DRAW	<u>/INGS</u>		
2	M-100.00	PLOT PLAN, NOTES, SYMBOLS AND ABBREVIATIONS	0	10/25/23
3	M-101.00	HVAC EXISTING CONDITION AND INSTALLATION PLAN - 1ST FLOOR	0	10/25/23
4	M-102.00	SPECIFICATIONS AND DETAILS	0	10/25/23

MECHANICAL ABBREVIATIONS

AC	AIR CONDITIONING UNIT	FD	FIRE DAMPER	RAG	RETURN AIR GRILLE
ACCU	AIR COOLED CONDENSING UNIT	GPM	GALLONS PER MINUTE	RAR	RETURN AIR REGISTER
AD	ACCESS DOOR	HP	HEAT PUMP	RCP	REFLECTED CEILING PLAN
AFF	ABOVE FINISHED FLOOR	HWR	HEATING HOT WATER RETURN	RF	RETURN FAN
AH	AIR HANDLER (SPLIT REFRIG)	HWS	HEATING HOT WATER SUPPLY	RG	RETURN GRILLE
AHU	AIR HANDLING UNIT	HZ	HERTZ	SA	SUPPLY AIR
AL	ACOUSTICAL LINING	LAT	LEAVING AIR TEMPERATURE	SAR	SUPPLY AIR REGISTER
BDD	BACK DRAFT DAMPER	LD	LINEAR DIFFUSER	SD	SMOKE DAMPER
CD	CEILING DIFFUSER	MOD	MOTOR OPERATED DAMPER	SF	SUPPLY FAN
CFM	CUBIC FEET PER MINUTE	MUA	MAKE-UP AIR UNIT	SP	STATIC PRESSURE
CUH	CABINET UNIT HEATER	NC	NORMALLY CLOSED	TG	TRANSFER GRILLE
DB	DRY BULB	NO	NORMALLY OPEN	TYP	TYPICAL
	ENTERING AIR TEMPERATURE	NIC	NOT IN CONTRACT	UH	UNIT HEATER
EAT		NK	NECK	UON	UNLESS OTHERWISE NOTED
EF	EXHAUST FAN	OA	OUTSIDE AIR	VAV	VARIABLE AIR VOLUME UNIT
ER	EXHAUST REGISTER EXTERNAL STATIC PRESSURE	OAI	OUTSIDE AIR INTAKE	VD	VOLUME DAMPER
ESP		OAT	OUTSIDE AIR TEMPERATURE	WB	WET BULB
FC	FLEXIBLE CONNECTION	OBD	OPPOSED BLADE DAMPER		
FCU	FAN COIL UNIT	RA	RETURN AIR	WMS	WIRE MESH SCREEN

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT

TENANT SAFETY NOTES:

CONSTRUCTION DOCUMENTS FOR ALTERATIONS OF BUILDING IN WHICH ANY DWELLING UNIT WILL BE OCCUPIED DURING CONSTRUCTION SHALL INCLUDE A TENANT PROTECTION PLAN.

SUCH PLAN SHALL CONTAIN A STATEMENT THAT THE BUILDING CONTAINS DWELLING UNITS THAT WILL BE OCCUPIED DURING CONSTRUCTION AND SHALL INDICATE IN SUFFICIENT DETAIL THE SPECIFIC UNITS THAT ARE OR MAY BE OCCUPIED DURING CONSTRUCTION, THE MEANS AND METHODS TO BE EMPLOYED TO SAFEGUARD THE SAFETY AND HEALTH OF THE OCCUPANTS, INCLUDING, WHERE APPLICABLE, DETAILS SUCH AS TEMPORARY FIRE-RATED ASSEMBLIES, OPENING PROTECTIVES, OR DUST CONTAINMENT PROCEDURES. THE ELEMENTS OF THE TENANT PROTECTION PLAN MAY VARY DEPENDING ON THE NATURE AND SCOPE OF WORK BUT AT A MINIMUM SHALL MAKE DETAILED AND SPECIFIC PROVISIONS FOR:

AT ALL TIMES IN THE COURSE OF CONSTRUCTION PROVISION SHALL BE MADE FOR ADEQUATE EGRESS AS REQUIRED BY THIS CODE AND THE TENANT PROTECTION PLAN SHALL IDENTIFY THE EGRESS THAT WILL BE PROVIDED. REQUIRED EGRESS SHALL NOT BE OBSTRUCTED AT ANY TIME EXCEPT WHERE APPROVED BY THE COMMISSIONER.

FIRE SAFETY.

ALL NECESSARY LAWS AND CONTROLS, INCLUDING THOSE WITH RESPECT TO OCCUPIED DWELLINGS, AS WELL AS ADDITIONAL SAFETY MEASURES NECESSITATE BY THE CONSTRUCTION SHALL BE STRICTLY OBSERVED.

HEALTH REQUIREMENTS.

SPECIFICATION OF METHODS TO BE USED FOR CONTROL OF DUST, DISPOSAL OF CONSTRUCTION DEBRIS, PEST CONTROL AND MAINTENANCE OF SANITARY FACILITIES, AND LIMITATION OF NOISE TO ACCEPTABLE LEVELS SHALL BE INCLUDED.

3.1 THERE SHALL BE INCLUDED A STATEMENT OF COMPLIANCE WITH APPLICABLE PROVISIONS OF LAW RELATING TO LEAD AND ASBESTOS.

STRUCTURAL SAFETY.

NO STRUCTURAL WORK SHALL BE DONE THAT MAY ENDANGER THE OCCUPANTS.

NOISE RESTRICTIONS.

WHERE HOURS OF THE DAY OR THE DAYS OF THE WEEK IN WHICH CONSTRUCTION WORK MAY BE UNDERTAKEN ARE LIMITED PURSUANT TO THE CITY AND STATE HAVING JURISDICTION.

NJDOB MECHANICAL CODE

GENERAL NOTES

- TEMPERATURE REQUIREMENTS AS PER MECHANICAL CODE (MC) 309.1 & SECTION 1204 IN NJ BUILDING CODE.
- VENTILATION OF TOILET ROOMS ACCORDING TO SECTION MC 403.3 3. NOISE CONTROL OF EXTERIOR MECHANICAL EQUIPMENT AS PERTINENT TO MC 926 & LOCAL
- 4. CONSTRUCTION OF DUCTS FOR VENTILATING AS PER MC 603. 5. MATERIAL AND THICKNESS OF DUCTS AS PER MC 603, TABLE 603.4
- 6. DUCT COVERING AND LINING AS PER MC 604.3 FLAME SPREAD RATING NOT OVER 25 AND SMOKE DEVELOPED RATING NOT OVER 50. 7. FIRE DAMPERS WILL BE PROVIDED - AS PER MC 607 & SECTION 712 OF NJ BUILDING CODE.
- 8. CONSTRUCTION OF FIRE DAMPERS AS PER MC 513.10 9. ALL MECHANICAL PLANS WILL COMPLY WITH NJ BUILDING CODE CHAPTERS: 12, 13, 27, AND
- 28; AND MECHANICAL CODE CHAPTERS: 3, 4, 5, 10, AND 11. 10. ALL ELECTRICAL WIRING AS PER THE NEC 2008, CH.2 & CH. 3
- 11. THE OWNER IS AWARE OF THE REQUIREMENTS INDICATED IN ARTICLE 118 OF THE ADMINISTRATIVE PROVISIONS IN THE 2008 NJ BUILDING CODE FOR OBTAINING A CERTIFICATE
- 12. FIRE STOPPING OF DUCTS, PIPES AND CONDUITS THROUGH RATED CONSTRUCTION AS PER NJ BUILDING CODE 712.3
- 13. SPECIAL INSPECTION SHALL BE PERFORMED AS REQUIRED IN ARTICLE 115 AND ARTICLE 116 OF THE ADMINISTRATIVE PROVISION IN THE 2008 NJ BUILDING CODE AS WELL AS BC 109
- 14. OPERATION AND MAINTENANCE REQUIREMENTS OUTLINES IN CH. 3 OF THE ADMINISTRATIVE
- PROVISIONS OF THE 2008 NJ BUILDING CODE. 15. ITEMS OF CONSTRUCTION REQUIRING CONTROLLED INSPECTION SHALL HAVE ALL NECESSARY
- FORMS FILED PRIOR TO START OF SAID WORK AND PRIOR TO OBTAINING A CERTIFICATE OF
- 16. INSULATION AND CLEARANCES FOR ALL PIPING CONTAINING STEAM, HOT WATER OR OTHER FLUID AS PER MC 1204.
- 17. ALL REFRIGERANT PIPING SHALL BE INSTALLED IN ACCORDANCE WITH CHAPTER 11, SECTION
- 18. THE CONTRACTOR UPON THE COMPLETION OF WORK RELATING TO REFRIGERATION INSTALLATION (AND AS REQUIRED), SHALL PREPARE A CERTIFICATE OF TEST IN ACCORDANCE
- WITH NJ MC SECTION 1108.4. 19. CONTRACTOR TO VERIFY EXISTING CONDITIONS IN THE FIELD.
- 20. PROVIDE ACCESS DOORS IN ALL PLENUMS AND FOR MAINTAINING HVAC EQUIPMENT SUCH AS: AUTOMATIC DAMPERS, FIRE DAMPERS, FILTERS AND OTHER MISCELLANEOUS EQUIPMENT WHICH REQUIRES MAINTENANCE OR SERVICE.
- 21. TESTING AND BALANCING SHALL BE PERFORMED AT COMPLETION OF WORK IN THE PRESENCE OF THE BUILDING ENGINEER.
- 22. AC UNIT CONDENSATE LINES TO BE PUMPED TO NEAREST FLOOR DRAIN.
- 23. STEAM LINE LOW POINTS TO BE DRIPPED & TRAPPED BE PROVIDED WITH AUTOMATIC AIR
- 24. CHILLED WATER, HOT WATER AND CONDENSER WATER HIGH POINTS TO BE PROVIDED WITH AUTOMATIC AIR VENTS.
- 25. ALL DUCTWORK, PIPING, AND CONDUIT RUNS SHALL BE COORDINATED WITH ALL TRADES. CONTRACTORS SHALL ADVISE OF ANY CONFLICTS OR INTERFERENCE'S PRIOR TO INSTALLATION.

IMC 2018 TABLE 403.3.1.1 MINIMUM VENTILATION REQUIRED

OCCUPANCY CLASSIFICATION	OCCUPANT DENSITY (#/1000 SQ FT)	PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE Rp CFM / PERSON	AREA OUTDOOR AIRFLOW RATE IN BREATHING ZONE Rz CFM / SQ FT	EXHAUST AIRFLOW RATE CFM / SQ FT
MULTIPURPOSE ASSEBMLY	120	6	0.06	-

- OCCUPANT DENSITY IS 50 PEOPLE FOR MULTIPURPOSE ASSEMBLY SPACE OF 2,800 SQ. FT.

- BREATHING ZONE OUTDOOR AIRFLOW IS (50 PERSONS X 5 CFM/PERSON) + (2,800 SQ. FT. X

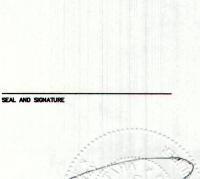
0.06 SQ. FT.) = 418 CFM - REQUIRED OUTDOOR AIRFLOW IS 418 CFM / 0.8 (AIR DISTRIBUTION EFFECTIVENESS BASE ON CEILING SUPPLY OF WARM AIR AND CEILING RETURN) = 522.5 CFM - PROVIDED OUTSIDE AIRFLOW IS 525 CFM > 522.5 CFM REQUIRED.

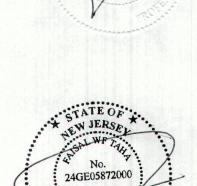
NOTE:

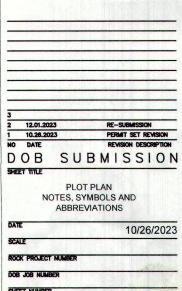
THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

NO CHANGE IN USE EGRESS OR OCCUPANCY

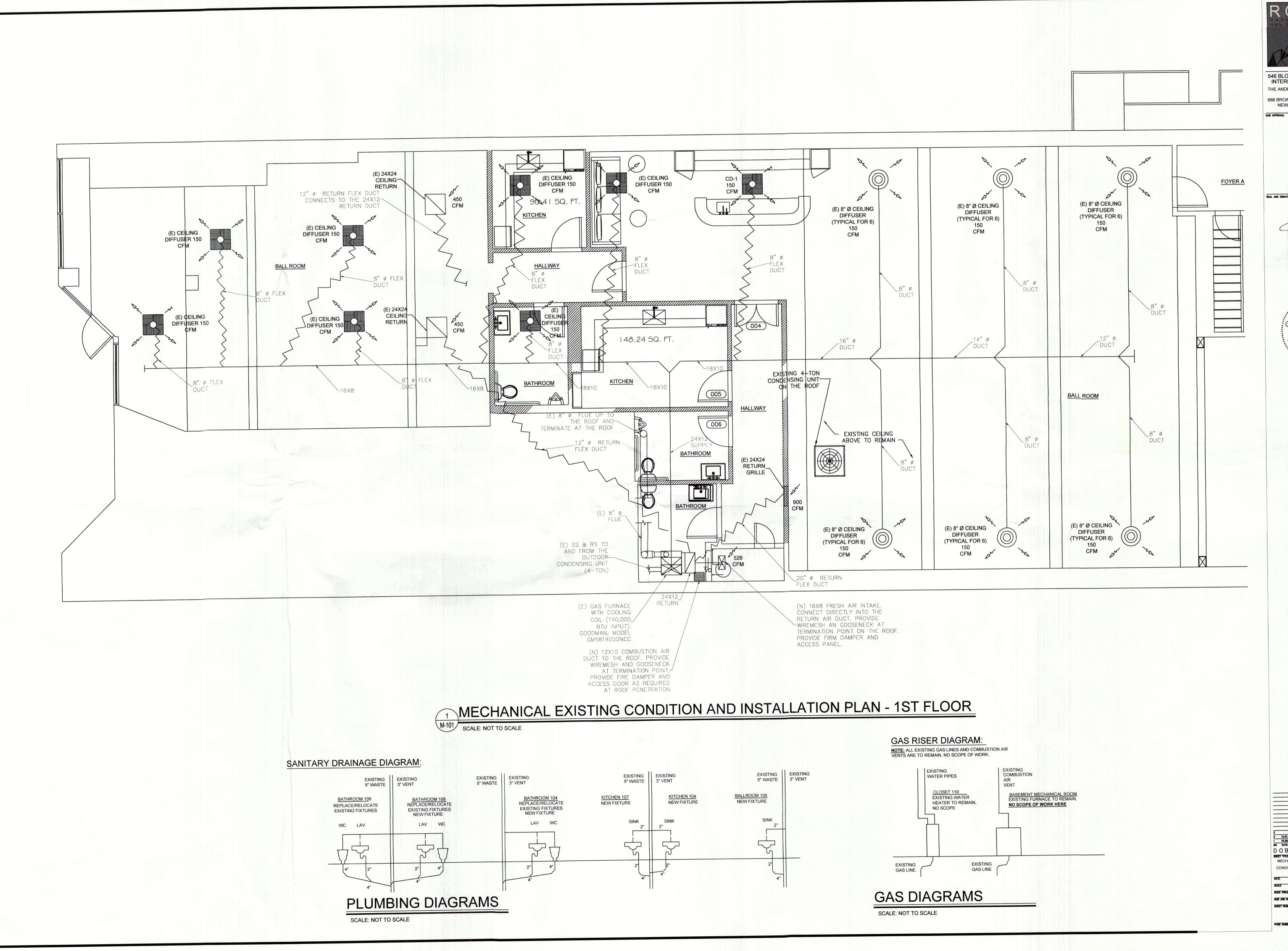
As per in.J.U.C.C. Reg. 5:23-2 appoved by the Building Dept building site for inspection of the the construction official's au artial reasonable times.	.16(e), relea . must be ke ne constructi	sed plans pt at the
- smit Number		The state of the s
Date Permit Issued		THE RESERVE THE PARTY OF THE PA
North Lot/Qualification Code	WHITE PARTY CAP X A CORNEL	N. Charles and Market Company of the Company
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Building	-	
Electrical	-	-
Plumbing	12/7/12	C
Fire Protection	1110	-

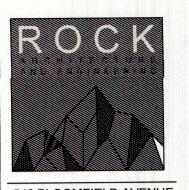






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546 BLOOMFIELD AVENUE INTERIOR RENOVATION THE ANDREWS ORGANIZATION 666 BROADYWAY, 12TH FLOOR NEW YORK, NY, 10012







2 12.01.2023 RE-SUBMISSION
1 10.26.2023 PERMIT SET REVISION
NO DATE REVISION DESCRIPTION
D O B S U B M I S S I O N

- GENERAL REQUIREMENTS
- A. CONSTRUCT ALL APPARATUS OF MATERIALS AND PRESSURE RATINGS SUITABLE FOR THE CONDITIONS ENCOUNTERED DURING CONTINUOUS OPERATION.
- B. WHERE CORROSION CAN OCCUR, APPROPRIATE CORROSION RESISTANT MATERIALS AND ASSEMBLY METHODS MUST BE USED.
- C. PROVIDE ALL CONTROLS, WIRING, PIPING, VALVES, TUBING ACCESSORIES AND OTHER COMPONENTS NECESSARY TO MAKE ALL SYSTEMS COMPLETE AND OPERABLE.
- 2. CODES
- A. ALL WORK SHALL MEET ALL STATE AND LOCAL CODES AND SHALL COMPLY WITH THE REQUIREMENTS OF ANY AND ALL GOVERNMENTAL OFFICES HAVING JURISDICTION.
- 3. SHOP DRAWINGS AND SUBMITTALS REQUIRED
- A. MANUFACTURER'S DATA OR SHOP DRAWINGS OF THE FOLLOWING APPARATUS GIVING FULL INFORMATION AS TO DIMENSIONS, MATERIALS AND ALL INFORMATION PERTINENT TO THE ADEQUACY OF THE PROPOSED EQUIPMENT SHALL BE
- 1. COMBUSTION AIR DUCT
- 2. AIR BALANCING REPORT

4. TESTING AND BALANCING

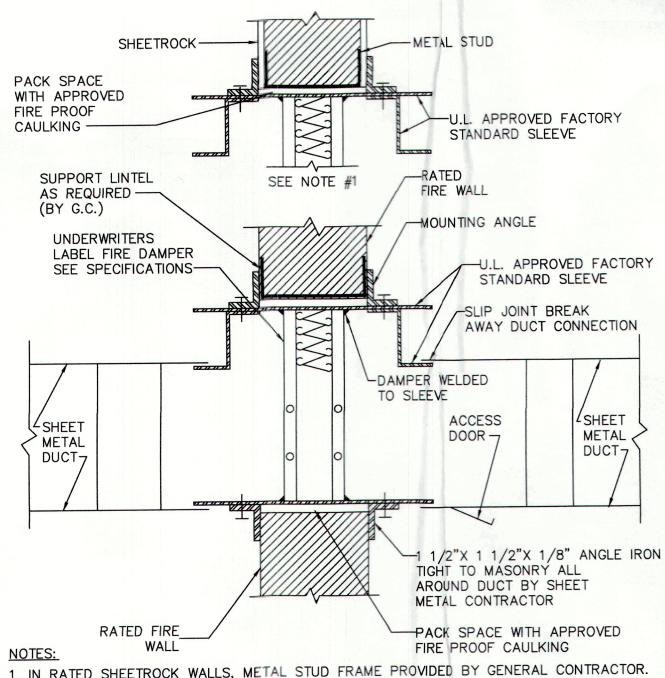
A. ALL FANS AND DUCT SYSTEMS SHALL BE COMPLETELY BALANCED BY THE ADJUSTMENT OF SHEAVES, DAMPERS, REGISTERS AND OTHER DEVICES TO OBTAIN THEAIR QUANTITIES INDICATED ON THE DESIGN DRAWINGS.

<u>DUCTWORK</u>

- A. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES AND PERFORM ALL OPERATIONS REQUIRED FOR COMPLETE INSTALLATION OF THE DUCTWORK, REGISTERS, DAMPERS AND ALL AUXILIARY WORK OF ANY KIND, NECESSARY TO MAKE THE VARIOUS AIR CONDITIONING, VENTILATING AND HEATING SYSTEMS OF THE BUILDING COMPLETE AND READY FOR SATISFACTORY OPERATION.
- B. INSTALL DUCTS, PLENUMS AND HANGERS PLUMB AND LEVEL, WITH JOINTS SQUARE AND DEVOID OF SHARP EDGES. ROUTE DUCTWORK TO MINIMIZE DIRECTIONAL CHANGES AND ABRUPT TRANSITIONS. PROVIDE ADEQUATE SPACE AROUND DUCTS TO ASSURE PROPER SUPPORT AND TO ALLOW THE INSTALLATION OF THE INSULATION SPECIFIED.
- C. ANY DUCTWORK PASSING THROUGH WATERPROOF WALL OR ROOF CONSTRUCTIONS HALL BE PROVIDED WITH COUNTERFLASHING BY THIS CONTRACTOR.
- D. CONSTRUCT AND SUPPORT ALL DUCTWORK AND FAN AND APPARATUS PLENUMS IN ACCORDANCE WITH THE LATEST STANDARDS OF THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION. ALL WORK, MATERIALS AND EQUIPMENT SHALL COMPLY WITH THE LATEST REQUIREMENTS OF NFPA 90A AND THE LOCAL AUTHORITIES HAVING JURISDICTION.
- E. BRACING, GAUGES AND SUPPORTS INDICATED IN SMACNA MANUALS ARE THE MINIMUM ACCEPTABLE. INSTALL ADDITIONAL BRACING OR SUPPORTS TO ELIMINATE ANY DISTORTION OR VIBRATION WHEN THE SYSTEMS ARE OPERATING OR UNDER TESTS. NO DUCT SHALL BE LESS THAN 24 GAUGE.
- 6. HANGERS AND SUPPORTS
- A. PROVIDE HANGERS AND SUPPORTS TO SUPPORT THE WEIGHT OF DUCTS AND ASSOCIATED EQUIPMENT. FASTEN HANGERS AND SUPPORTS TO STEEL STRUCTURE BY BEAM CLAMPS OR BY STEEL CLIPS WELDED TO THE LOWER FLANGES OF BEAMS AND GIRDERS AND TO CONCRETE STRUCTURE BY INSERTS OR EXPANSION ANCHORS. PROVIDE FASTENINGS ADEQUATE TO INSURE PERMANENT STABILITY, TO EFFECTIVELY RESIST ALL APPLIED LOADS AND STRAINS, AND TO COMPLY WITH APPLICABLE CODES.

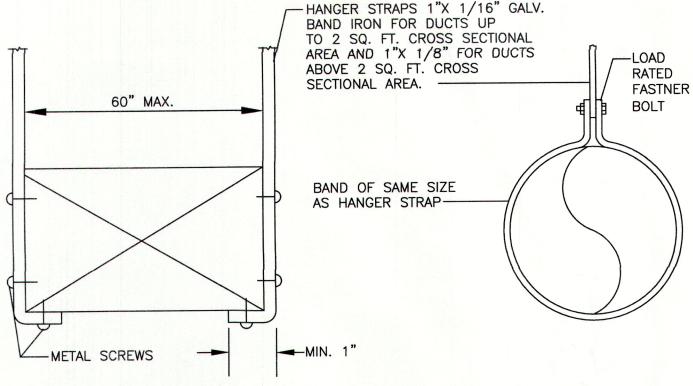
7. FLEXIBLE CONNECTIONS

A. INSTALL AIRTIGHT FLEXIBLE CONNECTIONS WHERE DUCTWORK OR CASINGS CONNECT TO FAN INLETS AND DISCHARGES. FASTEN CONNECTION SECURELY WITH BOLTED CLAMPS. MAKE THE UNCLAMPED PORTION OF THE CONNECTION NOT LESS THAN 6" LONG, CRIMPED FOR FLEXIBILITY. CONSTRUCTION — 30 OUNCE (LOSELY WOVEN GLASS FABRIC, DOUBLE—COATED WITH NEOPRENE; VENTFABRICS, INC. "VENTGLAS" OR EQUIVALENT.

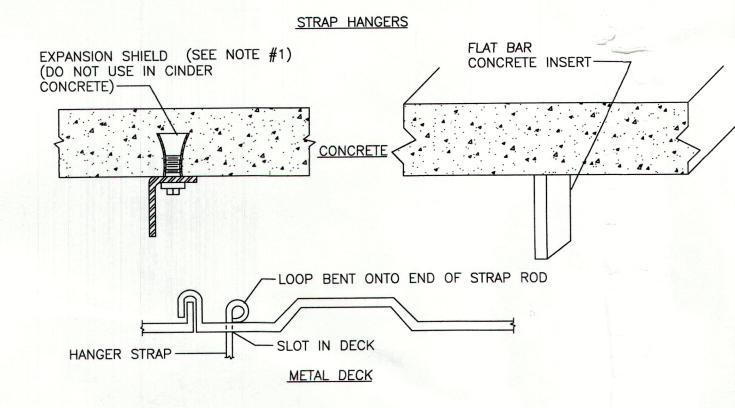


1. IN RATED SHEETROCK WALLS, METAL STUD FRAME PROVIDED BY GENERAL CONTRACTOR.
2. TYPICAL FOR DUCTS 12" OR LESS IN DEPTH.

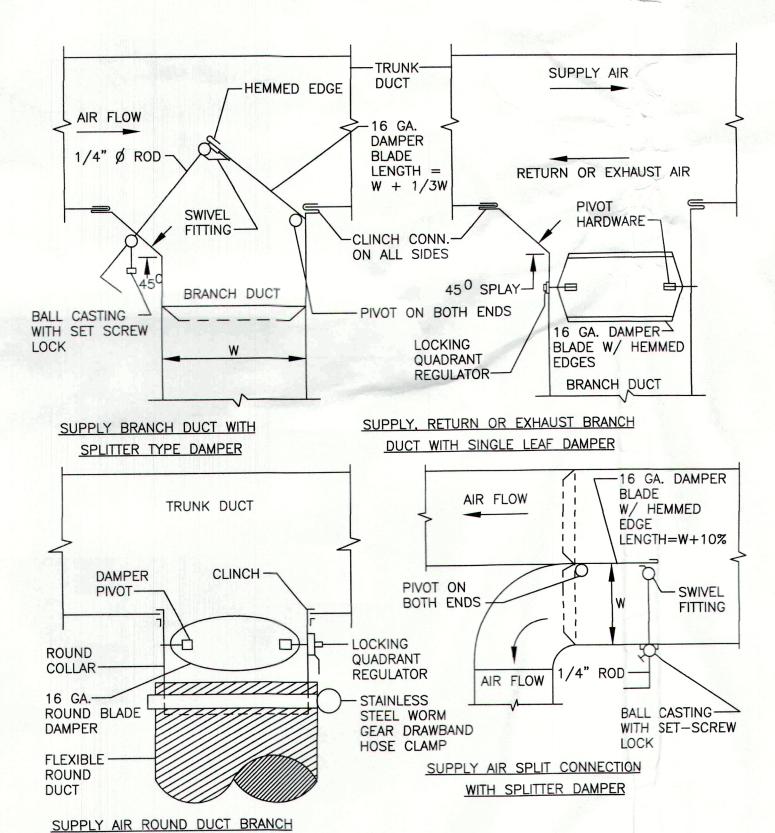
FIRE DAMPER DETAIL NOT TO SCALE



SPACING OF HANGER STRAPS SHALL NOT EXCEED 8'-0" FOR DUCTS 4 SQ. FT. OR LESS, 6'-0" FOR DUCTS 4 SQ. FT. TO 10 SQ. FT. AND 4'-0" FOR DUCTS OVER 10 SQ. FT. OF CROSS SECTIONAL AREA.



SUPPORT DETAILS



NOTES:

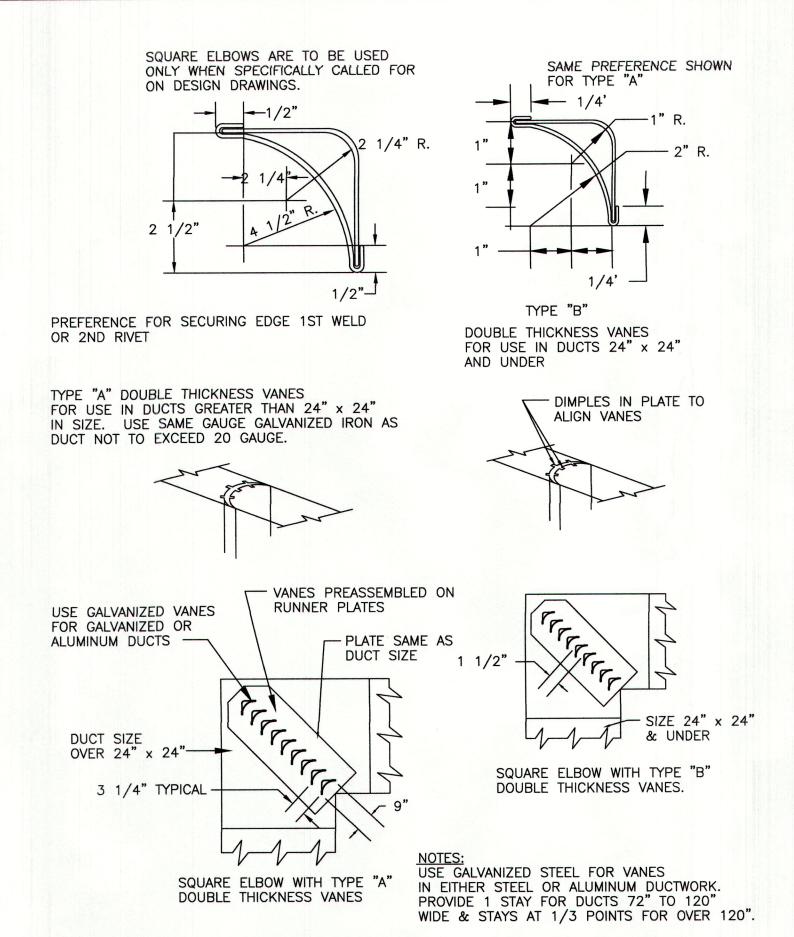
1.PROVIDE ALL BRANCH DUCTS WITH MANUALLY OPERATED VOLUME DAMPERS FOR BALANCING AIR SYSTEMS. THESE DAMPERS SHALL BE INDEPENDENT OF DAMPERS FURNISHED WITH DIFFUSERS AND REGISTERS, WHICH SHALL ONLY BE UTILIZED FOR TRIM BALANCING WITHOUT GENERATING NOISE.

2.FOR DUCTS WIDER THAN 48" USE MULTIPLE SINGLE LEAF DAMPERS OR OPPOSED-ACTION

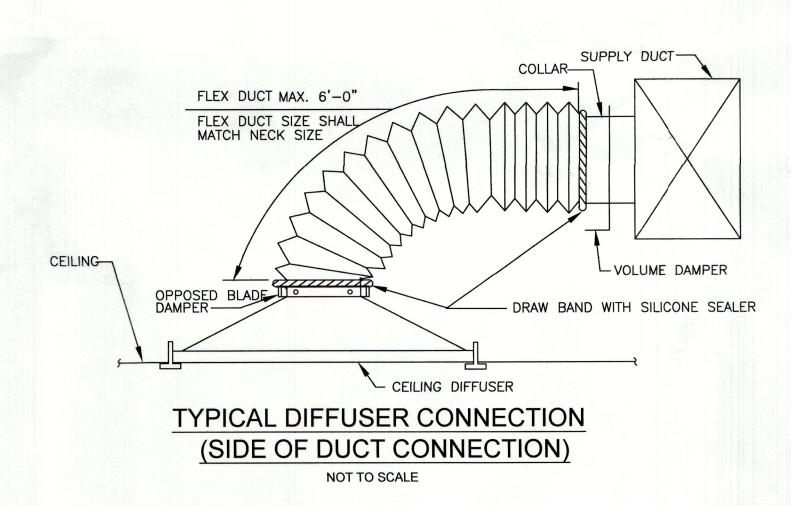
MULTI-BLADE DAMPERS; EACH WITH LOCKING QUADRANT REGULATOR.

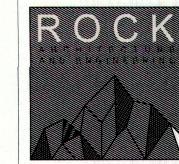
WITH SINGLE LEAF DAMPER

BRANCH DUCT VOLUME DAMPERS DETAIL



TURNING VANE DETAIL



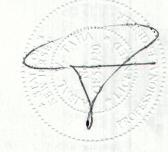


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SPECIFICATIONS AND DETAILS

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GE NUMBER 2 OF