KidzStuff Child Care

1010 East 43rd Street, Baltimore, Maryland

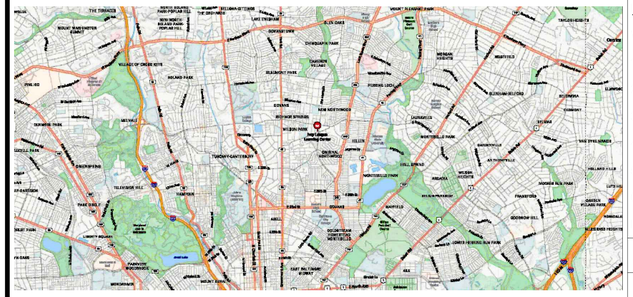
SULTON CAMPBELL BRITT & ASSOCIATES, P.C.

Architecture * Historic Preservation * Planning * LEED™ Consulting

OWNER

KIDZSTUFF CHILD CARE
1010 EAST 43RD STREET,
BALTIMORE, MARYLAND 21212

VICINITY MAP



ABBREVIATIONS

ACP	ACOUSTIC CEILING PANEL
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
AUTO	AUTOMATIC
ABV	ABOVE
BC	BOTTOM OF CURB
B.O.	BOTTOM OF
BLK	BLOCK
BRG	BEARING
BLKG	BLOCKING
BD	BOARD
BLDG	BUILDING
CL/	CENTERLINE
CLO.	CLOSET
CLG	CEILING
CONC	CONCRETE
CONT	CONTINUOUS
CONTR	CONTRACTOR
CMU	CONCRETE MASONRY UNIT
CT	CERAMIC TILE
C.J.	CONTROL JOINT
CRS	COURSE
DIAM	DIAMETER
DN	DOWN
DTL	DETAIL
DWG	DRAWING
EA	EACH
EWC	ELECTRIC WATER COOLER
EXP	EXPANSION
EXT	EXTERIOR
EQUIP	EQUIPMENT
ELEC	ELECTRIC
EL	ELEVATION
ELEV.	ELEVATOR
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
F/	FACE OF
EQ	EQUAL
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FLR	FLOOR
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GL	GLASS
GYP	GYPSUM
GWB	GYPSUM WALLBOARD
HT	HEIGHT
HC	HANDICAPPED
HDW	HARDWARE
HTG	HEATING
HVAC	HEATING/ VENTILATING/ AIRCONDITIONING
HM	HOLLOW METAL
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
JAN	JANITOR
LAM	LAMINATE
LAV	LAVATORY
LH	LEFT HAND
LT	LIGHT
LTWT	LIGHTWEIGHT
LVR	LOUVER
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MROI	MAINTENANCE, REPAIR AND OPERATION ITEMS
MS	METAL STUD
MTL	METAL
NA	NOT APPLICABLE
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
OPG	OPENING
OC	ON CENTER
OH	OVERHEAD
OPP	OPPOSITE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLWYD	PLYWOOD
PNL	PANEL
PREF	PREFABRICATED
PERF	PERFORATED
PR	PAIR
PT	PAINT
PCF	POUNDS PER CUBIC FOOT
QT	QUARRY TILE
R	RISER
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCED
RH	RIGHT HAND
ROW	RIGHT OR WAY
RM	ROOM
RO	ROUGH OPENING
SIM	SIMILAR
SGT	STRUCTURAL GLAZED TILE
STL	STEEL
STR	STRUCTURE
STO	STORAGE
SPEC	SPECIFICATION
SS	STAINLESS STEEL
S.S.	SATIN STAINLESS
STN	STAIN
STD	STANDARD
SUSP	SUSPENDED
TC	TOP OF CURB
TH	THICK
TYP	TYPICAL
TR	TREAD
T.O.	TOP OF
TEMP	TEMPERED/ TEMPORARY
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
WD	WOOD
WH	WATER HEATER
W/O	WITHOUT
WWF	WELDED WIR

DESIGN TEAM AND OWNER

ARCHITECT:
SULTON CAMPBELL BRITT &
ASSOCIATES, PC
100 INTERNATIONAL DRIVE
BALTIMORE MD. 21202

PROJECT INFORMATION

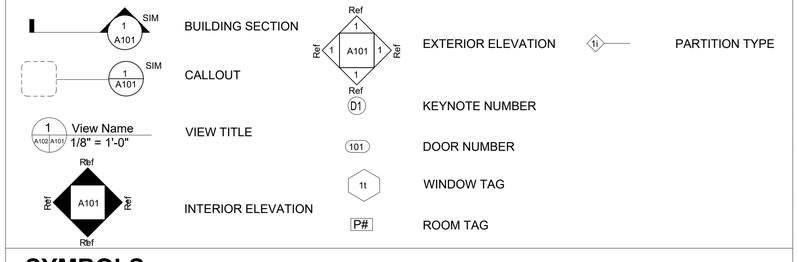
PROJECT DESCRIPTION:
THE RENNOVATION/ ALTERATION OF AN EXISTING OFFICE / COMMUNITY BUILDING. THE EXISTING BUILDING IS TWO STORIES WITH A B ASEMENT, MASONRY BUILDING WITH WOOD FRAME.

1. DEMOLITION OF INTERIOR PARTITIONS, FLOORING SYSTEMS. ELECTRICAL SYSTEMS, PLUMBING, HVAC.
2. NEW PLUMBING SYSTEMS
3. NEW HVAC SYSTEMS
4. REPAIR EXISTING STRUCTURE; WALLS, FLOORS, CEILINGS, WINDOWS.
5. REPAIR OR UPGRADE ELECTRICAL & LIGHTING.
6. NEW DOORS, INTERIOR PARTITIONS, FLOORS, CEILING TILES.

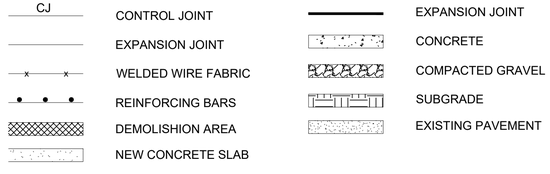
EXISTING BUILDING TO BE SPRINKLERED FOLLOWING NFPA 13.

LIST OF DRAWINGS

DRAWING KEY



SYMBOLS



STANDARDS AND REGULATIONS

1) CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH APPLICABLE BUILDING CODES, REGULATIONS, ORDINANCES, UTILITY PROVIDER REQUIREMENTS, AND SIMILAR STANDARDS.
2) CONTRACTOR SHALL OBTAIN ALL REQUIRED INSPECTIONS OF THE WORK. CONTRACTOR SHALL REGULARLY UPDATE OWNER AND ARCHITECT REGARDING THE STATUS OF INSPECTIONS.
3) CONTRACTOR SHALL COORDINATE WORK WITH APPLICABLE UTILITY PROVIDERS.
4) CONTRACTOR SHALL BE FAMILIAR WITH REQUIREMENTS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH REFERENCED FIRE-RATED ASSEMBLY TESTS AND STANDARDS.
5) SHOULD THE CONTRACTOR ENCOUNTER ANY HAZARDOUS MATERIAL, CONTRACTOR TO STOP WORK AND NOTIFY ARCHITECT.
6) ALL INTERIOR THROUGH-WALL AND THROUGH-FLOOR PENETRATIONS ARE TO BE FIRE-RATED. REFER TO APPLICABLE UL RATED ASSEMBLY.

ADMINISTRATION OF THE WORK:

1) CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION AND DIMENSIONS.
2) CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION PERSONNEL AND AUTHORIZED VISITORS AT THE SITE.
3) CONTRACTOR SHALL BECOME FULLY ACQUAINTED WITH CONDITIONS RELATED TO THE WORK. ANY KNOWN DISCREPANCIES BETWEEN THE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH WORK RELATED TO THE DISCREPANCY.
4) CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL CONSTRUCTION AND DEMOLITION DEBRIS. CONTRACTOR SHALL OBTAIN APPROVAL OF OWNER FOR DETAILS RELATING TO THE REMOVAL OF TRASH, INCLUDING SUCH ISSUES AS PATH OF TRAVEL, USE OF STAIRS AND ELEVATORS, REMOVAL OF WINDOWS, LOCATION OF CHUTES AND DUMPSTERS, ETC., PRIOR TO REMOVAL OF DEBRIS. CONTRACTOR SHALL CLEAN AND REPAIR ANY DAMAGES TO EXISTING ITEMS SOILED OR DAMAGED BY THE DEBRIS REMOVAL PROCESS. IF CLEANING AND/OR REPAIR DOES NOT RETURN ITEMS TO ORIGINAL CONDITION CONTRACTOR SHALL INSTALL NEW ITEMS.
5) CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH OWNER'S PROCEDURES FOR MAINTAINING A SECURE SITE AND BUILDING.
6) EACH INSTALLER SHALL EXAMINE ALL SUBSTRATE CONDITIONS AND/OR SITE CONDITIONS WHICH AFFECT THE QUALITY OF EACH PRODUCT TO BE INSTALLED. IF ANY CONDITIONS EXIST WHICH WILL HAVE A DETRIMENTAL EFFECT ON THE QUALITY OF THE INSTALLATION, THE INSTALLER SHALL IMMEDIATELY NOTIFY THE CONTRACTOR. INSTALLATION SHALL NOT PROCEED UNTIL THE UNSATISFACTORY CONDITIONS ARE CORRECTED. INSTALLATION SHALL SIGNIFY ACCEPTANCE OF THE CONDITIONS.
7) CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS ON THE SITE AT ALL TIMES.
8) CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COORDINATION EFFORTS OF ALL SUBCONTRACTORS.
9) CONTRACTOR SHALL LAY OUT ALL WORK AS SOON AS POSSIBLE. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
10) CONTRACTOR TO PROTECT ALL EXISTING FURNISHINGS, EQUIPMENT AND FINISHES THAT ARE TO REMAIN DURING CONSTRUCTION.
11) CONTRACTOR TO PROTECT AND STORE ALL REMOVED EXISTING EQUIPMENT AND FIXTURES DURING CONSTRUCTION.
12) ANY DAMAGE TO EXISTING FURNISHINGS, EQUIPMENT, AND FINISHES DURING CONSTRUCTION ARE TO BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE.
13) ALL WOOD WITH EXTERIOR EXPOSURE, IN UNCONDITIONED SPACES, WITHIN 8" OF GRADE OR IN CONTACT WITH MASONRY OR CONCRETE TO BE PRESSURE TREATED.

USE OF CONSTRUCTION DOCUMENTS:

1) DO NOT SCALE DRAWINGS. ONLY WRITTEN DIMENSIONS OR KEYED NOTES SHALL BE USED. CONTACT ENGINEER IF CLARIFICATION OR ADDITIONAL INFORMATION IS REQUIRED.
2) THE DRAWINGS ARE SCHEMATIC IN NATURE. MODIFICATIONS IN DUCTS, PIPING, CONDUIT AND WIRING MAY BE REQUIRED TO ACCOMMODATE ACTUAL FIELD CONDITIONS.
3) DRAWINGS SHALL NOT BE REPRODUCED FOR SUBMITTALS.
4) DIMENSIONS ARE AS FOLLOWS UNLESS NOTED OTHERWISE:
   A) TO FACE OF GYPSUM WALLBOARD.
   B) TO CENTERLINE OF COLUMNS.
   C) TO TOP OF FLOOR SLAB.
   D) TO BOTTOM OF FINISHED CEILING.
   E) TO FACE OF MASONRY.

DEFINITIONS:

1) "ALIGN" AS USED IN THESE DOCUMENTS SHALL MEAN TO ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE AND/OR TO INSTALL NEW CONSTRUCTION ADJACENT TO EXISTING CONSTRUCTION WITHOUT ANY VISIBLE JOINTS OR SURFACE IRREGULARITIES.
2) "CLEAR" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS NOT ADJUSTABLE WITHOUT APPROVAL OF THE ARCHITECT. CLEAR DIMENSIONS ARE TYPICALLY TO FINISH FACE.
3) "MAXIMUM" OR "MAX" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS SLIGHTLY ADJUSTABLE BUT MAY NOT VARY TO A DIMENSION OR QUANTITY GREATER THAN THAT SHOWN WITHOUT APPROVAL OF THE ENGINEER.
4) "MINIMUM" OR "MIN" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS SLIGHTLY ADJUSTABLE BUT MAY NOT VARY TO A DIMENSION OR QUANTITY LESS THAN THAT SHOWN WITHOUT APPROVAL OF THE ENGINEER.
5) "TYPICAL" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION OR DIMENSION IS THE SAME OR REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT.
6) "+-" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE DIMENSION OR QUALITY IS SLIGHTLY ADJUSTABLE TO ACCOMMODATE ACTUAL CONDITIONS. FIELD VERIFICATION AND COORDINATION WITH OTHER ELEMENTS MIGHT BE NECESSARY.

CONSTRUCTION DOCUMENTS

SUBMISSION DATE: 2/27/2024

TRUE NORTH PLAN NORTH

PROFESSIONAL CERTIFICATION:

I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number 3617, expiration date FEB. 23, 2022.

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1010 EAST 43RD STREET
BALTIMORE, MD 21212
COMMERCIAL RENOVATION

ISSUE DATES	
1	2.27 ORIG. SUB.

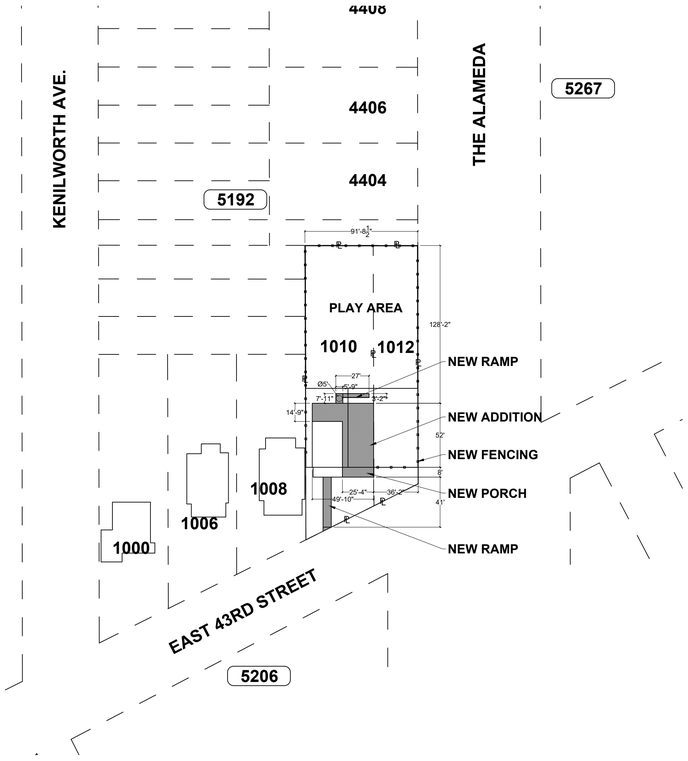
SCALE:
PROJECT NO: 24-030
DRAWN BY: KMD
CHECKED BY: DGG
CONTENT: COVER PAGE
DRAWING NO.: A0-0
SHEET ___ OF 32

BUILDING CODE ANALYSIS
GOVERNING CODES & STANDARDS

BUILDING CODES

THIS BFR CODES ARTICLE (2015 EDITION) COMPRISES THE FOLLOWING STANDARS AND CODES, AS SUPPLEMENTED, AMENDED , OR OTHERWISE MODIFIED BY THE MAYOR AND COUNCIL OF BALTIMORE

MBPS (2019)	MARYLAND BUILDING PERFORMANCE STANDARDS / JANUARY 2019
IBC (2018)	INTERNATIONAL BUILDING CODE / 2018
IEBC (2018)	INTERNATIONAL EXISTING BUILDING CODE / 2018 (MARYLAND BUILDING REHAB CODE)
NEC (2017)	NATIONAL ELECTRICAL CODE / 2017
IFGC (2018)	INTERNATIONAL FUEL GAS CODE / 2018
IMC (2018)	INTERNATIONAL MECHANICAL CODE / 2018
IPC (2018)	INTERNATIONAL PLUMBING CODE / 2018
IPMC (2018)	INTERNATIONAL PROPERTY MAINTENANCE CODE / 2018
IFC (2018)	INTERNATIONAL FIRE CODE / 2018
IECC (2018)	INTERNATIONAL ENERGY CONSERVATION CODE / 2018
IGCC (2015)	INTERNATIONAL GREEN CONSTRUCTION CODE / 2015
FIRE CODES	
IFC 2018	INTERNATIONAL FIRE CODE 2018
ACCESSIBILITY CODES	
ADAAG (2010)	ACCESSIBILITY : (AMERICANS DISABILITY ACT) AND "FHAA" (FEDERAL FAIR HOUSING AMENDMENTS ACT OF 1988)



PROPOSED SITE PLAN
SCALE: 1 : 60

BUILDING DESIGN

TOPIC	EXISTING	ALLOWABLE	PROPOSED	CODE REFERENCE
OCCUPANCY				
OCCUPANCY CLASSIFICATION	S-1 (BASEMENT LEVEL)	I-4 (BASEMENT LEVEL)	I-4 (BASEMENT LEVEL)	IBC 308.5
	B (FIRST LEVEL)	I-4 (FIRST LEVEL)	I-4 (FIRST LEVEL)	IBC 308.5
	B (SECOND LEVEL)	I-4 (SECOND LEVEL)	I-4 (SECOND LEVEL)	IBC 308.5
CONSTRUCTION				
CONSTRUCTION TYPE	IIIB	IIIB	IIIB	IBC 602
HIGH-RISE	N/A	N/A	N/A	
SPRINKLERS	NO	REQUIRED FOR I-4	YES	IBC 903.2.6
ALARM SYSTEM	NO	REQUIRED FOR I-4	YES	IBC 907.2.6
HEIGHT (FEET)	30' +/-	30 FT W/ SPRINKLER (I-4)	30' +/-	IBC TABLE 504.4
HEIGHT (STORIES)	3 STORIES + BASEMENT	3 W/ SPRINKLER (I-4)	3 STORIES + BASEMENT	
FLOOR AREA	4,855 SF TOTAL	39,000 SF	4,855 SF TOTAL	IBC TABLE 506.2
FIRE-RESISTANCE RATING OF ELEMENTS	NONE	SPRINKLER	SPRINKLER	
PRIMARY STRUCTURAL FRAME	0HR	0HR	0HR	IBC TABLE 601
BEARING WALLS	2HR	2HR/0HR	2HR/0HR	IBC TABLE 601
NONBEARING WALLS	0HR	0HR	0HR	IBC TABLE 601, TABLE 602
FLOOR CONSTRUCTION	0HR	0HR	0HR	IBC TABLE 601/ 508.4
ROOF CONSTRUCTION	0HR	0HR	0HR	IBC TABLE 601
EXTERIOR WALLS X < 5	2HR	2HR	2 HR	IBC TABLE 602
EXTERIOR WALLS 5 ≤ X 10	2HR	1HR	1HR	IBC TABLE 602
EXTERIOR WALLS 10 ≤ X 30	1HR	1HR	1HR	IBC TABLE 602
EXTERIOR WALLS X ≥ X 30	0HR	0HR	0HR	IBC TABLE 602
FIRE WALL (PARTY)	N/A	N/A	N/A	IBC TABLE 706.4.a
FIRE BARRIER SEPERATION	0HR	NONE	NONE	IBC TABLE 508.4
CORRIDOR FIRE RESISTANCE	1HR	0HR	N/A	IBC TABLE 1020.1, NFPA 30.2.2.1.2
MEANS OF EGRESS COMPONENTS (EXIT ENCLOSURES & DOORS)	1HR	1HR	1HR	NFPA 30.2.2.1.2
FIRE SEPARATION ASSEMBLIES	1HR	1HR	1HR	IBC TABLE 508.4, NFPA 6.1.14.4.1 (A)

MEANS OF EGRESS

OCCUPANT LOAD LOCATION	SQUARE FOOTAGE	OCCUPANT LOAD	PP	
(I-4) BASEMENT LEVEL	1,241 SF (35 OCC.)	35 SF NET	35 OCC.	IBC 311.1, TABLE 1004.5
(I-4) FIRST LEVEL	1,565 SF (44 OCC.)	35 SF NET	44 OCC.	IBC 303.1.2, 304.1, TABLE 1004.5
(I-4) SECOND LEVEL	1,315 SF (37 OCC.)	35 SF NET	37 OCC.	IBC 303.4, TABLE 1004.5
(I-4) THIRD LEVEL	734 SF (20 OCC.)	35 SF NET	20 OCC.	IBC 303.4, TABLE 1004.5
MEANS OF EGRESS SIZING				
STAIRS	63"	44" MIN.	63"	IBC 1011.2
CORRIDOR	5' 9"	44" MIN.	44" MIN.	IBC TABLE 1020.2
DOORS	32" DOORS	32" MIN.	36"	IBC 1005.3.2

USER GROUP		# OF REQUIRED EXITS	# PROPOSED	
BASMNT. LEVEL (I-4)	2 EXITS	2	2	IBC 1006.2.1 EXCEPTION 1, TABLE 1006.3.2 (2)
1ST LEVEL (I-4)	2 EXITS	2	2	IBC TABLE 1006.2.1
2ND LEVEL (I-4)	2 EXITS	2	2	IBC TABLE 1006.2.1
THIRD LEVEL (I-4)	2 EXITS	2	2	IBC TABLE 1006.2.1

MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

TOPIC	EXISTING	ALLOWABLE	PROPOSED	CODE REFERENCE
MEN WATERCLOSETS	N/A	1 PER 15 (136 OCC.)= 9 MIN.	9 ADA WC	IBC 2902.1, TABLE 2902.1
WOMEN WATERCLOSETS	N/A	1 PER 15 (136 OCC.)= 9 MIN.	9 ADA WC	IBC 2902.1, TABLE 2902.1
MEN LAVATORIES	N/A	1 PER 15 (136 OCC.)= 9 MIN.	9 ADA WC	IBC 2902.1, TABLE 2902.1
WOMEN LAVATORIES	N/A	1 PER 15 (136 OCC.)= 9 MIN.	9 ADA WC	IBC 2902.1, TABLE 2902.1
DRINKING FOUNTAINS	N/A	1 PER 100 (136 OCC.)= 2 MIN.	2	IBC 2902.1, TABLE 2902.1
SERVICE SINKS	N/A	1 SERVICE SINK	1	IBC 2902.1, TABLE 2902.1

CONSTRUCTION DOCUMENTS

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BALTIMORE, MD. 21212
COMMERCIAL RENOVATION

SUBMISSION DATE: 2/27/2024

TRUE NORTH PLAN NORTH

PROFESSIONAL CERTIFICATION:

I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number 3617, expiration date FEB. 23, 2022.

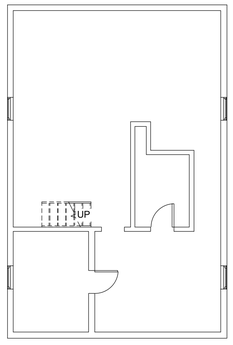
REVISIONS		
1	2/27	ORIG. SUB.
2		

SCALE: AS NOTED
PROJECT NO: 21-010
DRAWN BY: Author
CHECKED BY: Checker

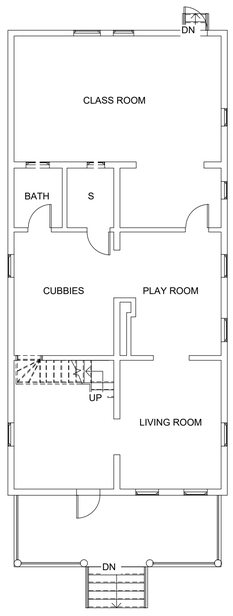
CODE ANALYSIS

DRAWING NO.
A0-1

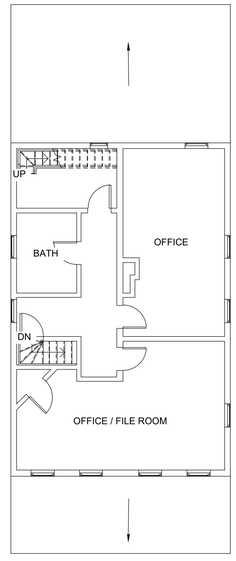
SHEET ___ OF 37



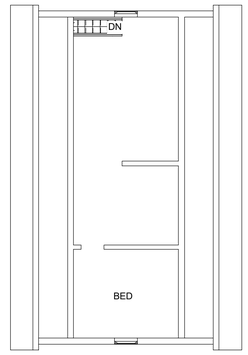
1 EX.01 EXISTING BASEMENT LEVEL PLAN
SCALE: 1/8" = 1'-0"



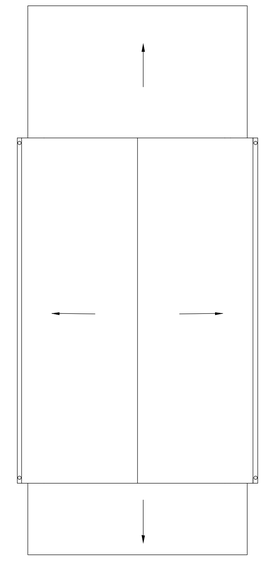
2 EX.01 EXISTING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



3 EX.01 EXISTING SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



4 EX.01 EXISTING SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



5 EX.01 EXISTING SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

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SCALE:
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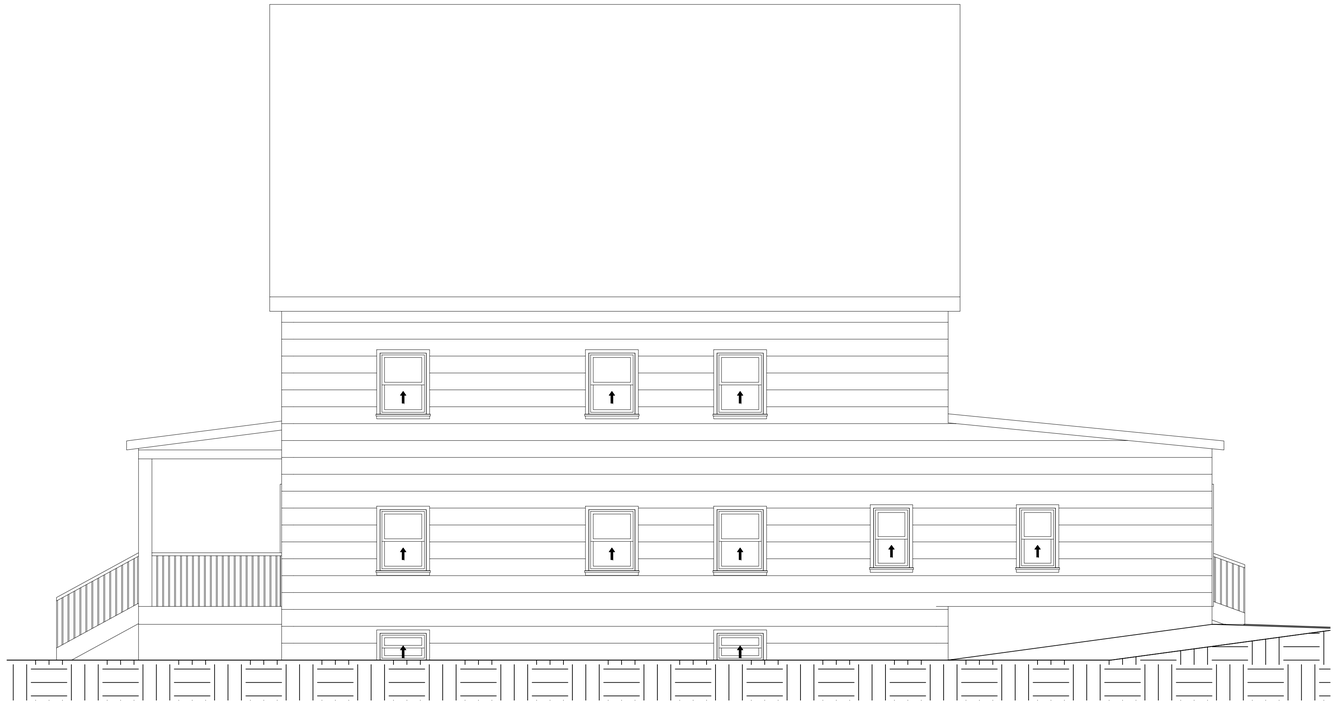
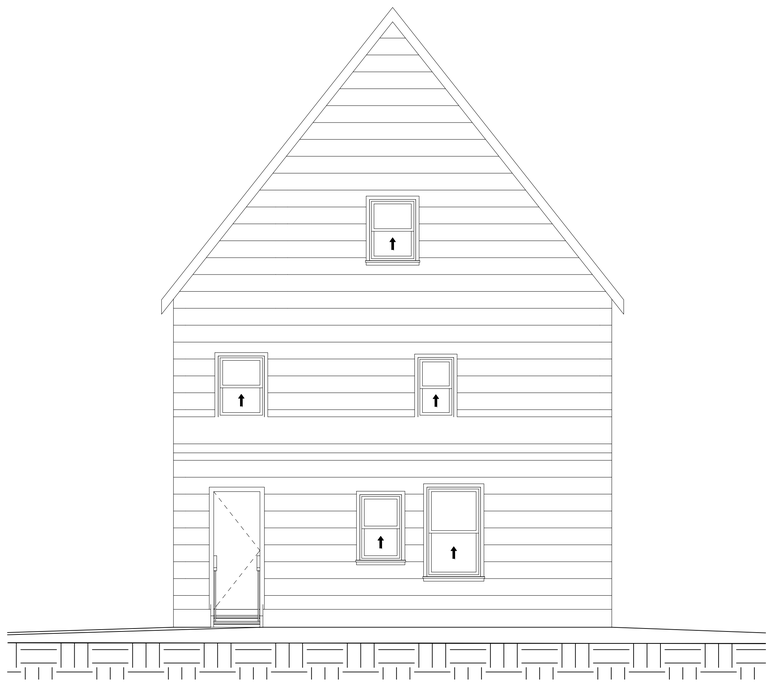
CONTENT
EXISTING PLANS
DRAWING NO.
EX.01

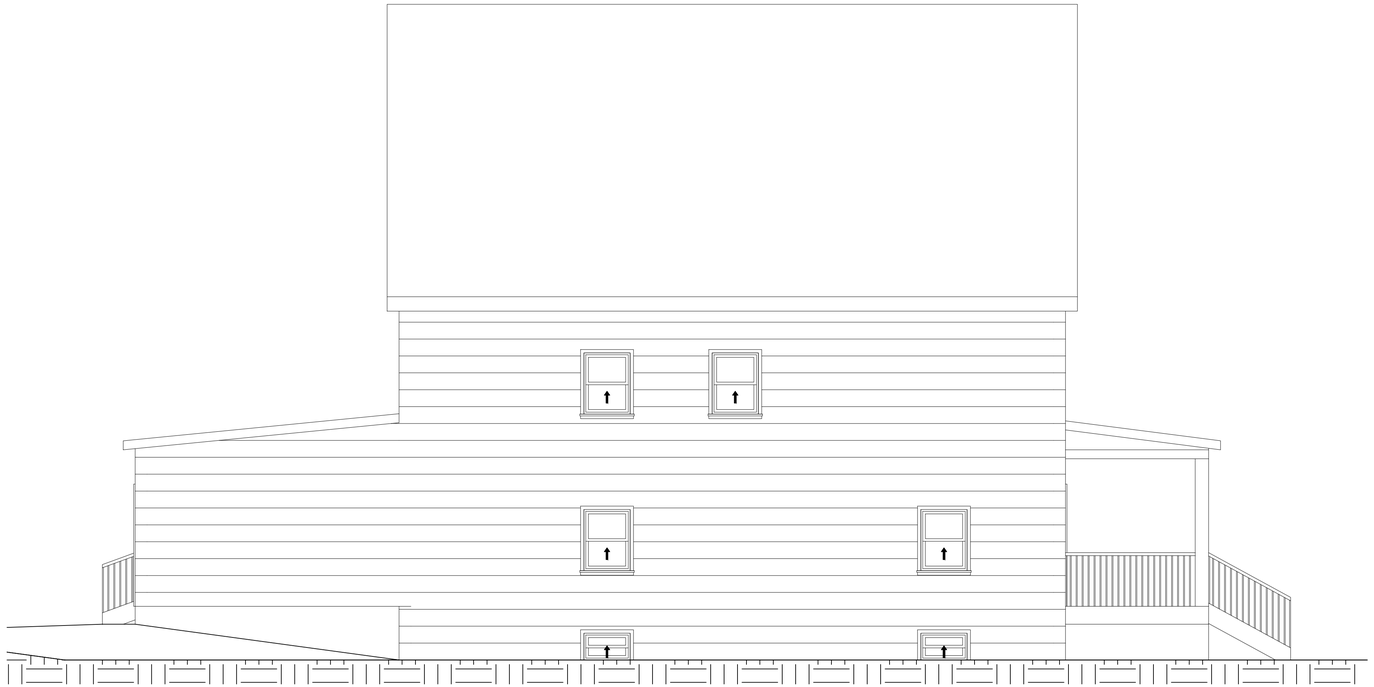
1 EX.02 EXISTING SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



2 EX.02 EXISTING EAST ELEVATION
SCALE: 1/4" = 1'-0"



3 EX.02 EXISTING NORTH ELEVATION
SCALE: 1/4" = 1'-0"



4 EX.02 EXISTING WEST ELEVATION
SCALE: 1/4" = 1'-0"

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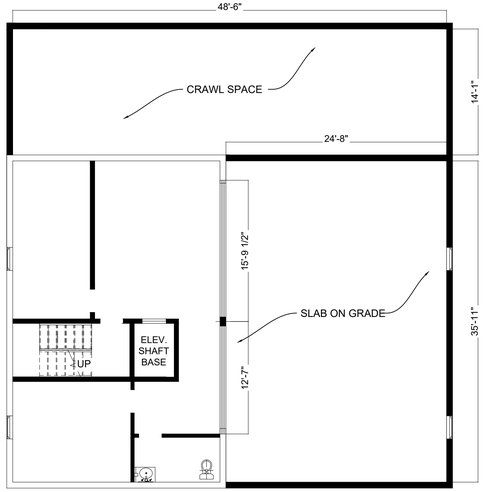
ISSUE DATES		
1	2.27	ORIG. SUB.

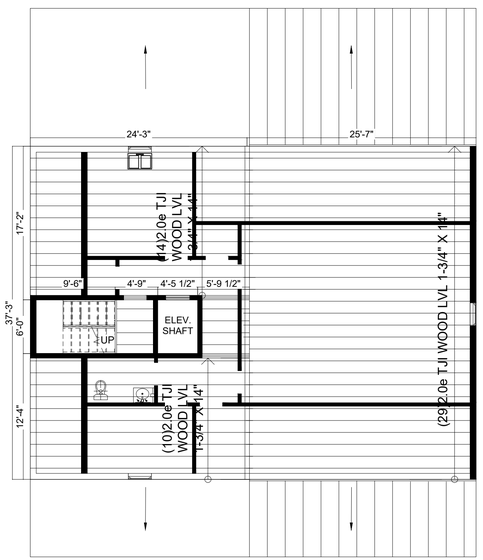
SCALE:
PROJECT NO:
DRAWN BY: KMD
CHECKED BY: DGG
CONTENT
EXISTING ELEV.'S
DRAWING NO.
EX.02



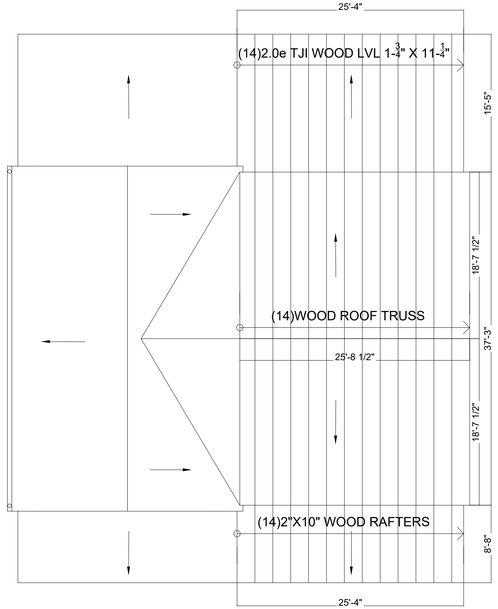
1 S.01 BASEMENT FRAMING PLAN
SCALE: 1/8" = 1'-0"

2 S.01 FIRST FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

3 S.01 SECOND FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"



4 S.01 THIRD FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"



5 S.01 ROOF FRAMING PLAN
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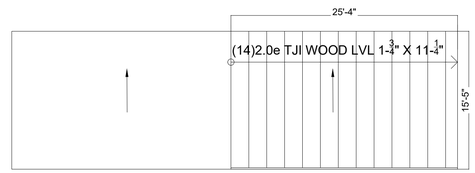

6 S.01 REAR ROOF FRAMING PLAN
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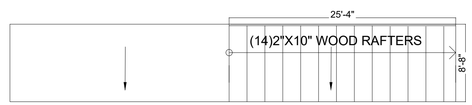

7 S.01 FRONT ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

CONSTRUCTION DOCUMENTS

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SCALE:
PROJECT NO:
DRAWN BY: KMD
CHECKED BY: DGG
CONTENT: FRAMING PLANS
DRAWING NO.: S.01
SHEET 5 OF 32

General Notes

1.0 GENERAL CONDITIONS

A. THE STANDARD GENERAL CONDITIONS FOR THE CONSTRUCTION CONTRACT N.S.P.E. DOCUMENT 1910-8 SHALL GOVERN THIS WORK AS IF ENTIRELY INCLUDED ON THESE DRAWINGS.

1.1 DESIGN LOADS

A. THE STRUCTURE WAS DESIGNED FOR THE LIVE LOADS SHOWN BELOW AND DEAD LOADS AS REQUIRED BY CONSTRUCTION IN ACCORDANCE WITH IRC 2018. INCREASE IN THESE LOADINGS, DUE TO CHANGE IN FUNCTION, CONSTRUCTION MATERIALS, ETC. TO HAVE WRITTEN APPROVAL FROM THE DESIGNING STRUCTURAL ENGINEER.

B. LIVE LOADS SHOWN BELOW ARE IN POUNDS PER SQUARE FOOT.
ROOF LIVE LOAD: 30 GROUND SNOW LOAD (PG): 25
FLOOR LIVE LOAD: 50 SNOW LOAD IMPORTANCE FACTOR: 1.0
WIND CRITERIA:
BASIC WIND SPEED: 90 MPH (3 SECOND GUST)
WIND IMPORTANCE FACTOR (Iw): 1.0 , BUILDING CATEGORY: II
MAIN WIND FORCE SYSTEM EXPOSURE CATEGORY: B

1.3 EXISTING CONDITIONS

A. EXPOSE EXISTING FRAMING AND NOTIFY ARCHITECT PRIOR TO INSTALLATION OF NEW FRAMING.

B. CONTRACTOR MUST FIELD CHECK AND VERIFY DIMENSIONS AND ELEVATIONS OF EXISTING WORK PRIOR TO FABRICATION OF NEW MATERIALS.

C. RELOCATE EXISTING PLUMBING AND HVAC AS REQUIRED TO ALLOW INSTALLATION OF NEW FRAMING.

2.1 DEMOLITION

A. DEMOLITION INCLUDES CONTROLLED DESTRUCTION OF STRUCTURES AND THE REMOVAL AND DISPOSAL OF DEMOLISHED MATERIALS AS SHOWN ON THE DRAWINGS AND INCLUDED IN THESE NOTES.

B. PERFORM DEMOLITION IN SECTIONS SMALL ENOUGH TO PREVENT DAMAGE OF MATERIALS, FACILITIES OR EMBANKMENTS TO REMAIN IN PLACE.

C. PROVIDE ADEQUATE SHORING, BRACING AND PROTECTION TO PREVENT MOVEMENT, SETTLEMENT, COLLAPSE OR DAMAGE TO EXISTING MATERIALS, FACILITIES OR EMBANKMENTS TO REMAIN.

D. PROMPTLY REPAIR DAMAGES CAUSED BY THE DEMOLITION TO ADJACENT FACILITIES, MATERIALS OR EMBANKMENTS AT NO COST TO THE OWNER.

E. PROMPTLY REMOVE FROM SITE AND PROPERLY DISPOSE OF DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM THE DEMOLITION.

2.2 UNDERPINNING

A. UNDERPINNING SHALL BE WIDTH NOTED AND SHALL BE POURED CONCRETE. SEE CONCRETE NOTES FOR MATERIALS.

B. INSTALL UNDERPINNING IN LENGTHS SMALL ENOUGH AND SPACED FAR ENOUGH APART TO PREVENT DAMAGE TO THE SUPERSTRUCTURE. TAKE CARE TO ENSURE AGAINST LOSS OF EARTH BEHIND THE WALL. EXCAVATE NO UNDERPINNING SEGMENTS LONGER THAN 4'-0" (UNO) AND NO TWO SEGMENTS CLOSER THAN TWELVE FEET CLEAR FROM ONE ANOTHER. IT IS SOLELY THE CONTRACTORS RESPONSIBILITY TO SEE THAT THE UNDERPINNING IS DONE PROPERLY AND THAT SUCH UNDERPINNING WILL NOT DAMAGE OR ENDANGER THE SUPERSTRUCTURE OF THIS OR ADJOINING BUILDINGS.

C. KEY UNDERPINNING SEGMENTS TOGETHER WITHIN A MINIMUM OF ONE TWO-BY-FOUR INCH VERTICAL KEY AT EVERY JOINT.

D. CONTRACTOR IS RESPONSIBLE FOR EXISTING WORK AND SHALL REPAIR OR REPLACE TO ITS PRESENT CONDITION ANY DAMAGE OR INJURY CAUSED DURING UNDERPINNING AT NO CHANGE IN THE CONTRACT PRICE.

E. PROVIDE NECESSARY TEMPORARY SHORING DURING THE UNDERPINNING OPERATIONS TO PREVENT DAMAGE TO ADJACENT WORK.

F. PRIOR TO POURING CONCRETE, OWNER SHALL EMPLOY A PROFESSIONAL GEOTECHNICAL ENGINEER (REGISTERED IN THE STATE OF MARYLAND) TO VERIFY THAT SOIL BEARING CAPACITY MEETS THAT SPECIFIED IN THE GENERAL NOTES.

G. LAP HORIZONTAL REBAR TO KEY UNDERPINNING SEGMENTS TOGETHER. REBAR FOR LAPS TO BE 3'-0" LONG AND TO BE DRIVEN INTO EARTH OF NEXT EXCAVATION 1'-6" EACH SIDE.

2.4 FOUNDATIONS

A. A SOIL BEARING CAPACITY OF 3,000 PSF WAS USED FOR FOOTING DESIGN. ENGAGE THE SERVICES OF A GEOTECHNICAL ENGINEER TO VERIFY EXCAVATIONS AND SOIL BEARING CAPACITY. IF SOIL OF THIS CAPACITY IS NOT ENCOUNTERED AT ELEVATIONS INDICATED, CONTACT ENGINEER OF RECORD (EOR).

B. COMPACT FILL AND BACKFILL TO 95% OF ASTM D-698. PERFORM FILL AND BACKFILL OPERATIONS UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER.

C. PRIOR TO POURING CONCRETE, ENGAGE THE SERVICES OF A PROFESSIONAL GEOTECHNICAL ENGINEER (REGISTERED IN THE JURISDICTION WHERE THE PROJECT IS LOCATED), TO PERFORM TESTS, BORINGS, ETC., REQUIRED TO CERTIFY THAT THE SOIL BEARING CAPACITY MEETS OR EXCEEDS THAT SHOWN IN THE GENERAL NOTES ABOVE. GEOTECHNICAL ENGINEER SHALL VERIFY SUBGRADE CAPACITIES PRIOR TO INSTALLATION OF DRAINAGE FILL AND MOISTURE BARRIER.

3.1 CONCRETE

A. UNLESS GOVERNED BY BUILDING CODE OR LOCAL AMENDMENTS: CONCRETE WORK INCLUDING FORMING, MIXING, PLACING, AND CURING SHALL BE IN ACCORDANCE WITH ACI 301. PLACEMENT OF REINFORCING SHALL BE IN ACCORDANCE WITH ACI 315 AND 318. WHEN THERE IS A CONFLICT, THE MOST STRINGENT IS TO APPLY.

B. CONCRETE REINFORCING: A.S.T.M. A-615, GRADE 60.

C. WELDED WIRE MESH: A.S.T.M. A-185.

D. PORTLAND CEMENT: A.S.T.M. C-150, TYPE I.

E. BLENDED HYDRAULIC CEMENT: A.S.T.M. C-595.

F. FLY ASH: A.S.T.M. C-618, CLASS F (25% MAX.)(

G. AGGREGATE: A.S.T.M. C-33. 1" MAXIMUM FOR FOOTINGS, WALLS AND SLABS ON GRADE, ¾" MAXIMUM FOR THIN SLABS AND 3/8" FOR WALL FILL

H. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF: 3,000 PSI.

I. WATER CEMENT RATIO NOT TO EXCEED .54 FOR 3,000 PSI CONCRETE.

J. INSTALL WELDED WIRE MESH 2" BELOW UPPER SURFACE OF CONCRETE SLAB.

K. REINFORCING FOR FOOTINGS AND OTHER CONCRETE USING EARTH FORMS SHALL HAVE 3" CONCRETE COVER. REINFORCING FOR CONCRETE EXPOSED TO GROUND OR WEATHER AFTER REMOVAL OF FORMS SHALL HAVE 2" CONCRETE COVER. REINFORCING SHALL HAVE 3/4" CONCRETE COVER FOR SLABS AND WALLS AND 1 1/2" COVER FOR BEAMS, GIRDERS & COLUMNS.

L. LAP CONTINUOUS FOOTING REINFORCING 44 BAR DIAMETERS AT SPLICES.

M. USE A WATER REDUCING ADMIXTURE IN ALL CONCRETE.

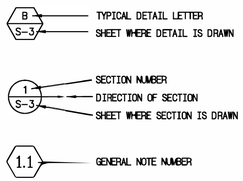
N. USE A MINIMUM OF 5 1/2 BAGS OF CEMENT AND A MAXIMUM OF 6 1/2 GALLONS OF WATER PER BAG FOR EACH CUBIC YARD OF CONCRETE.

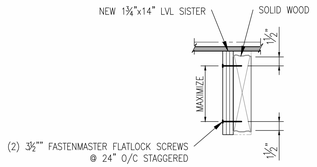
O. SLUMP - AS REQUIRED BY ACI (211.1)EXCEPT THAT SLABS ON GRADE AND THIN FRAMED SLABS SHALL HAVE A MAXIMUM SLUMP OF 4". SHOULD EXTRA WATER BE REQUIRED BEFORE DEPOSITING CONCRETE AND WATER/CEMENT RATIO OF ACCEPTED MIX DESIGN HAS NOT BEEN EXCEEDED, GENERAL CONTRACTOR'S SUPERINTENDENT SHALL HAVE SOLE AUTHORITY TO AUTHORIZE ADDITION OF WATER. ANY ADDITIONAL WATER ADDED TO MIX AFTER LEAVING BATCH PLANT SHALL BE INDICATED ON THE TRUCK TICKET AND SIGNED BY PERSON RESPONSIBLE. SUBMIT COPY OF TRUCK TICKET FOR REVIEW.

P. NO CALCIUM CHLORIDE WILL BE PERMITTED IN CONCRETE.

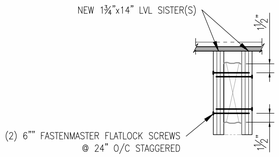
SYMBOLS

A. ALL TYPICAL DETAILS, SECTIONS, AND NOTES ARE GENERAL IN NATURE AND USAGE IS NOT LIMITED TO WHERE SPECIFICALLY NOTED.





EXISTING FLOOR JOIST W/ >10%,<50% DETERIORATION
SCALE: 1"=1'-0"



EXISTING FLOOR JOIST W/ >50% DETERIORATION
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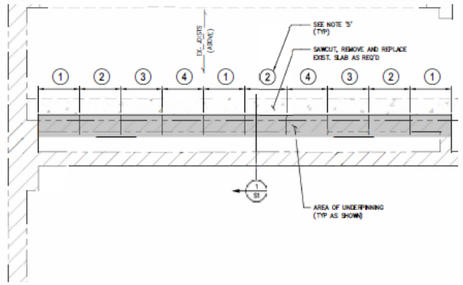
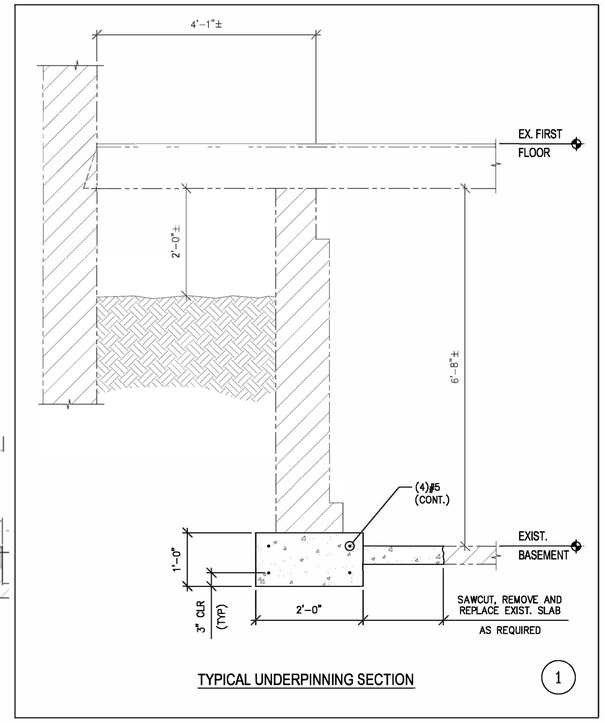
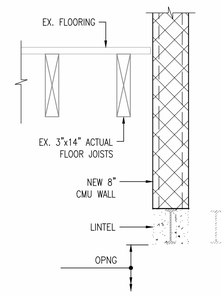




TYPICAL UNDERPINNING SECTION

1



TYPICAL LINTEL SECTION
SCALE : 3/4" = 1'-0"

STEEL-LINTELS

1. ALL STEEL LINTELS IN MASONRY WALLS SHALL BE AS NOTED BELOW WITH SIZES AS FOLLOWS FOR EACH 4" OF WALL THICKNESS OR FRACTION THEREOF (UNLESS NOTED OTHERWISE ON DRAWINGS):

SPAN	MINIMUM END BEARING	ANGLE SIZE
UNDER 6'-0"	8"	4" X 3-1/2" X 5/16"

2. PROVIDE 100% SOLID MASONRY BELOW ALL LINTEL BEARINGS 8" BEYOND THE OPENING FOR THE FULL WALL WIDTH AT ALL LINTELS FROM THE LINTEL BEARING TO THE FLOOR BELOW.

3. ALL LINTELS TO BE SET TRUE AND LEVEL.

Foundation / Underpinning / Lintel

1/4" = 1'-0"

1. UNDERPINNING SEGMENTS ARE TO BE IN 4'-0" (MAX) WIDTHS (UNO). PROVIDE ADDITIONAL SEGMENTS AS REQUIRED BY ACTUAL FIELD CONDITIONS. DIMENSIONS SHOWN ARE APPROXIMATE. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD.

2. PITS IN FIRST SEQUENCE SHALL BE EXCAVATED TO PROPER ELEVATION ALLOWING FOR FULL SPECIFIED FOOTING/UNDERPINNING THICKNESS AND A NOMINAL 1" FOR FINAL GROUTING BETWEEN UNDERPINNING AND EXISTING FOUNDATION.

3. PLACE UNDERPINNING WITH A HIGH EARLY STRENGTH CONCRETE MIX HAVING A DESIGNED 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI. FORMS SHALL NOT BE STRIPPED UNTIL THE UNDERPINNING CONCRETE HAS A STRENGTH OF 75% OF DESIGN STRENGTH.

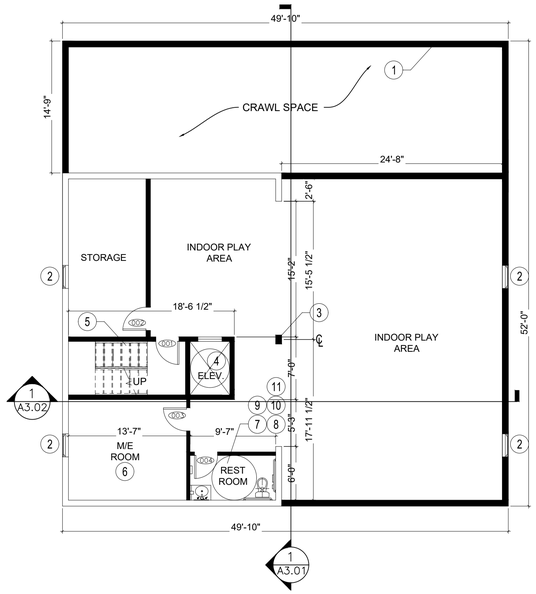
4. REPEAT THE ABOVE PROCEDURE FOR THE REMAINING PIT SEQUENCES. CONCRETE AND GROUT MUST ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI PRIOR TO COMMENCING EXCAVATION FOR ANY PITS DIRECTLY ADJACENT TO THE NEW WORK.

5. (X) – INDICATES UNDERPINNING SEGMENT POUR NUMBER.

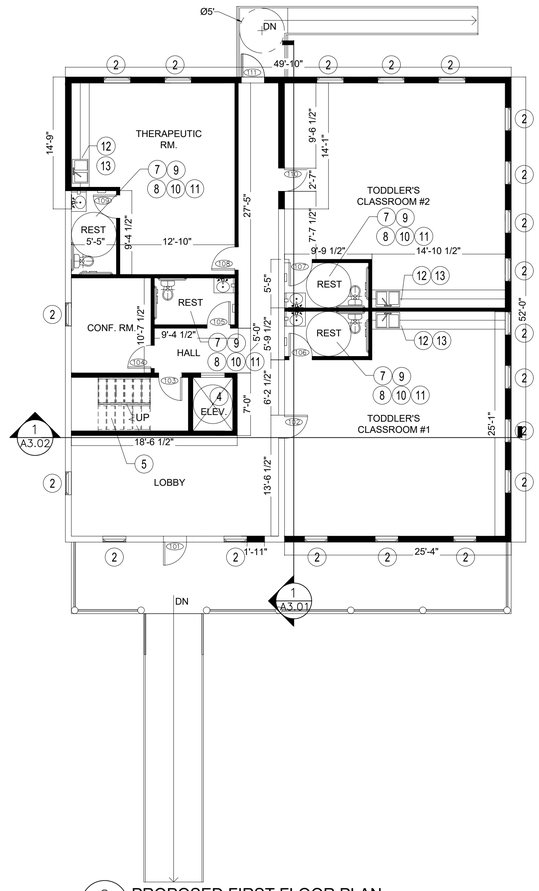
6. AFTER INITIAL SECTION '1' EXCAVATIONS AND PRIOR TO UNDERMINING EXCAVATION OF EXISTING FOOTING, AND UNDERPINNING, NOTIFY 'UNDERPINNING STRUCTURAL ENGINEER OF RECORD' OF ANY DISCREPANCIES OF EXISTING CONDITIONS UNCOVERED THAT WOULD OTHERWISE CAUSE A DEVIATION IN THESE PLANS OR DETAILS FOR APPROVAL OF DETERMINING AN ALTERNATIVE COURSE OF ACTION.

				Underpinning Foundation	DWG TITLE: General Notes and Section
					JOB NO.: 22863 / DRAWN: NJR
					DATE: / CHECKED: SMB

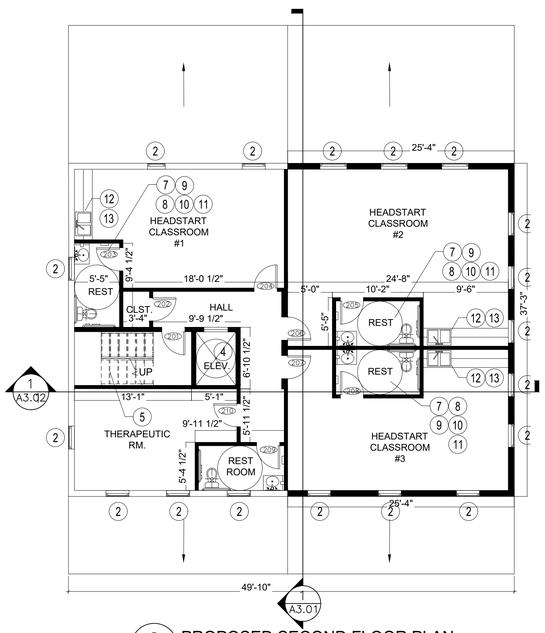
DWG NO.: S1



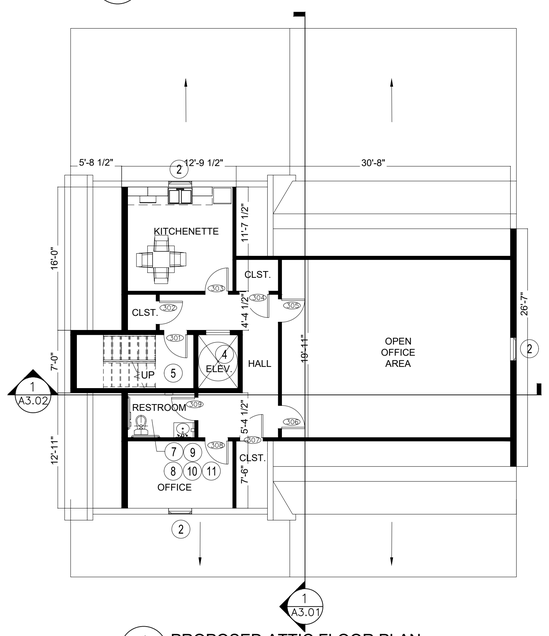
1 A1.01 PROPOSED BASEMENT PLAN
SCALE: 1/8" = 1'-0"



2 A1.01 PROPOSED FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



3 A1.01 PROPOSED SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



4 A1.01 PROPOSED ATTIC FLOOR PLAN
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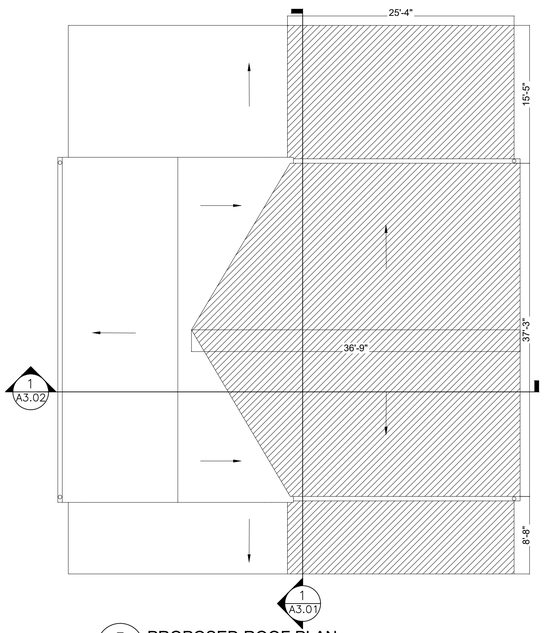

5 A1.01 PROPOSED ROOF PLAN
SCALE: 1/8" = 1'-0"

CONSTRUCTION DOCUMENTS

LEGEND

EXISTING	
PROPOSED	

NEW WORK - KEY NOTES

1. NEW WALL
2. NEW WINDOW
3. NEW COLUMN
4. NEW ELEVATOR
5. NEW STAIR
6. NEW MECHANICAL / ELECTRICAL RM.
7. NEW RESTROOM
8. NEW GRAB BARS
9. NEW TOILET
10. NEW FLOOR MOUNTED VANITY, MIRROR, SOAP DISPENSER
11. NEW TOILET PAPER DISPENSER
12. NEW 2 COMPARTMENT SINK
13. NEW BASE CABINETS & COUNTERTOP

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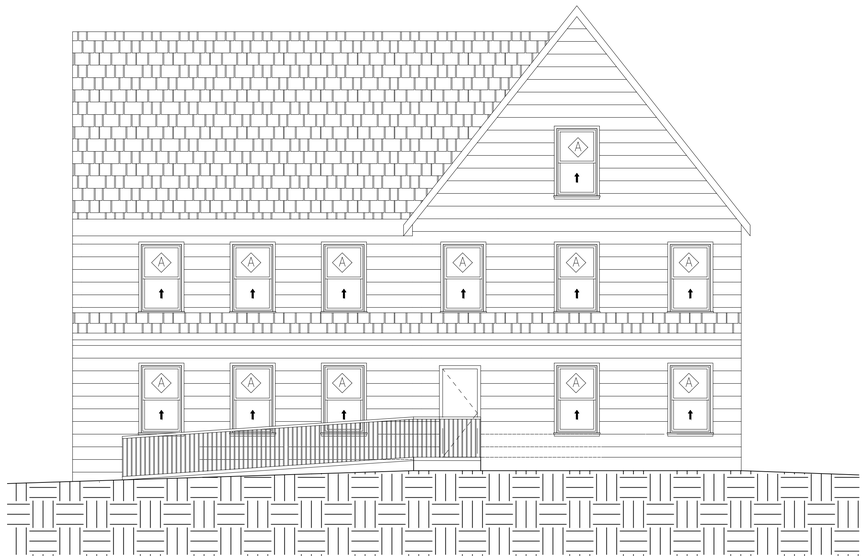
CONTENT: PROPOSED FLOOR PLANS
DRAWING NO.: A1.01

1 A2.01 PROPOSED SOUTH ELEVATION
SCALE: 3/16" = 1'-0"

2 A2.01 PROPOSED EAST ELEVATION
SCALE: 3/16" = 1'-0"



3 A2.01 PROPOSED NORTH ELEVATION
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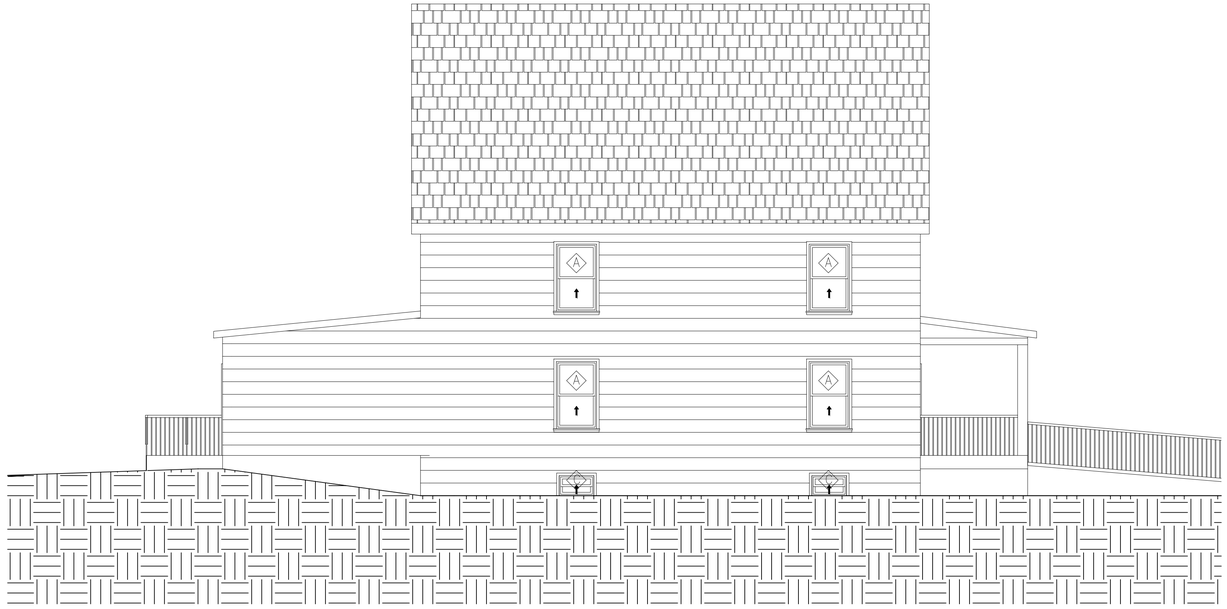

4 A2.01 PROPOSED WEST ELEVATION
SCALE: 3/16" = 1'-0"

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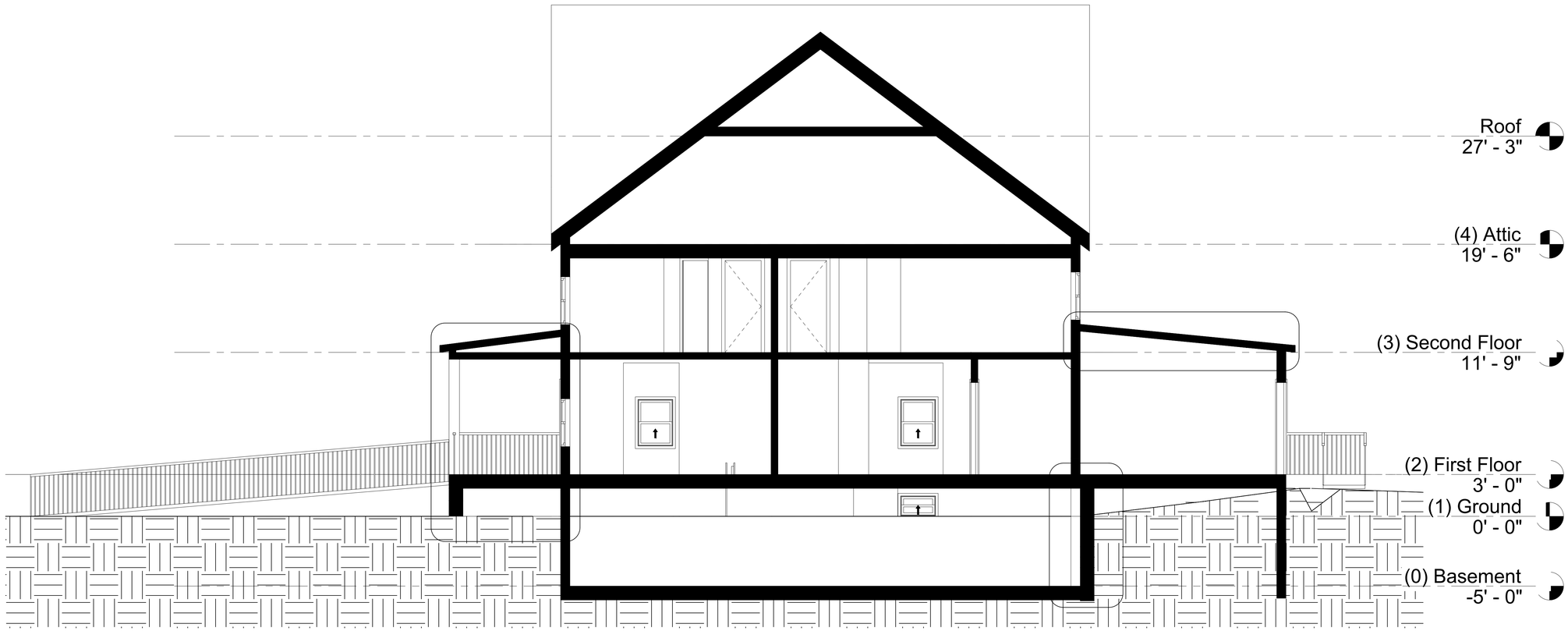
CONTENT
PROPOSED ELEVATION
DRAWING NO.
A2.01



1 / A3.01 LONGITUDINAL SECTION
SCALE: 1/4" = 1'-0"

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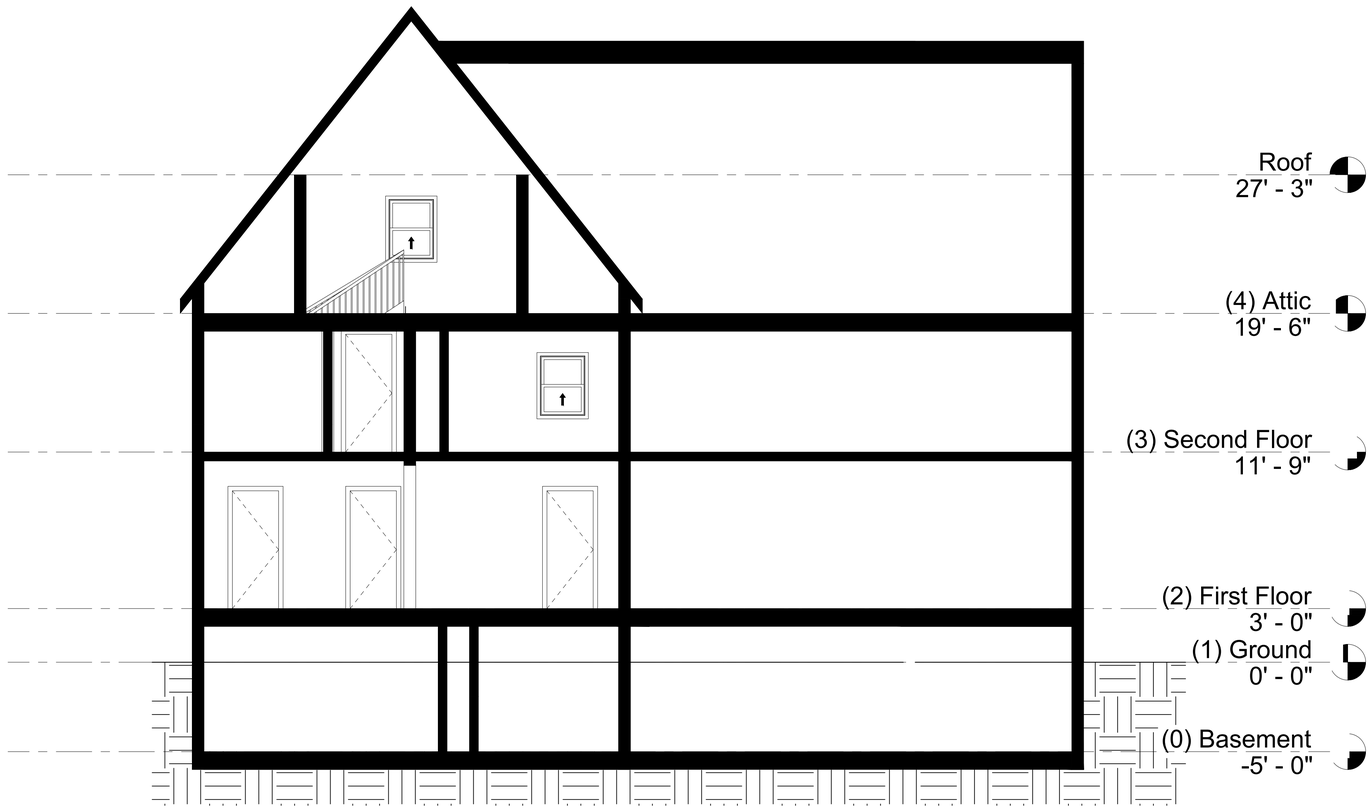
CONTENT: LONGITUDINAL SECTION
DRAWING NO.: A3.01
SHEET 8 OF 32



1 / A3.02 TRANSVERSE SECTION
SCALE: 1/4" = 1'-0"

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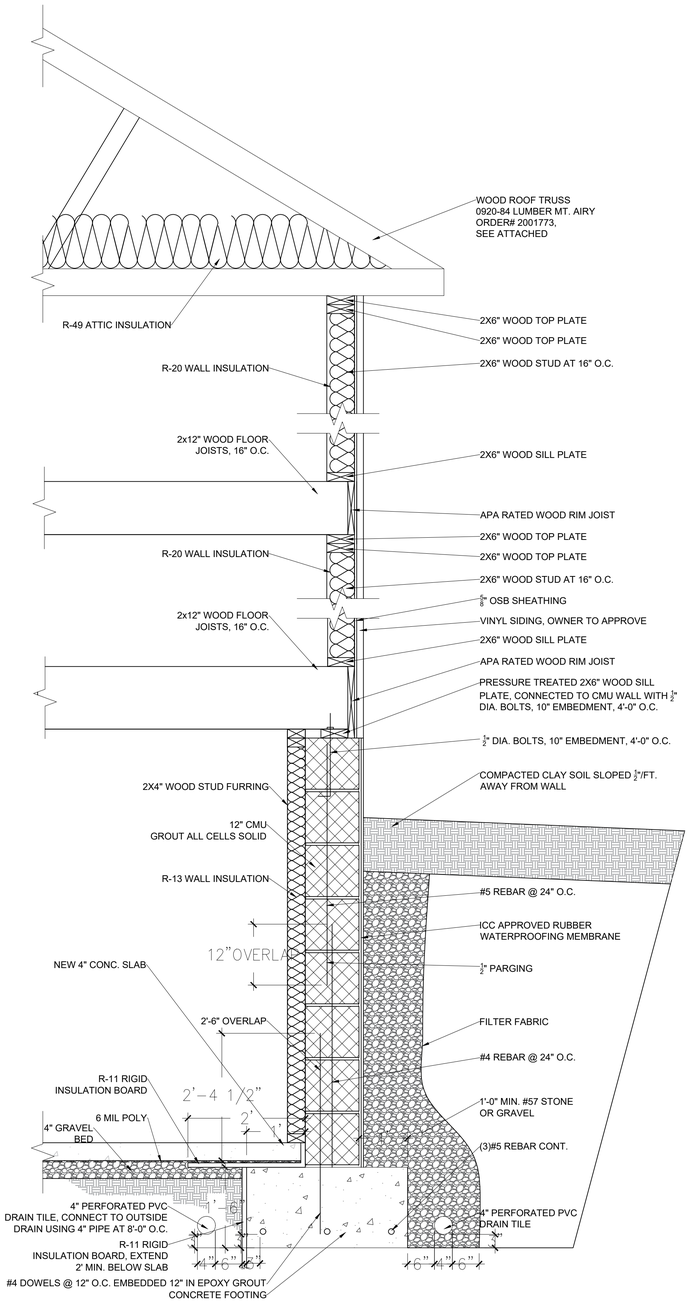
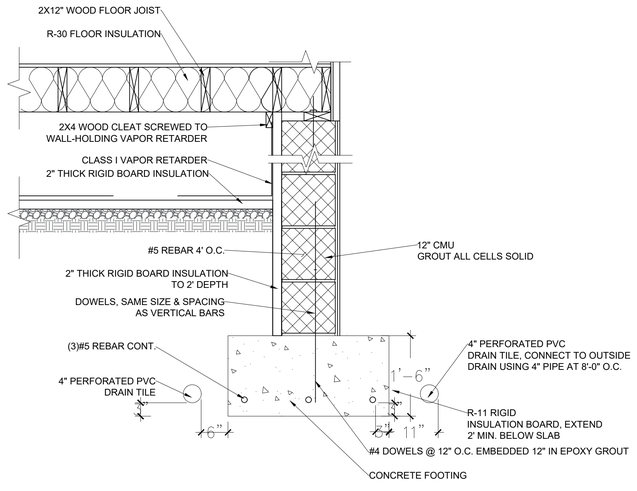
DRAWING NO.: A3.02



1 A3.03 TYPICAL WALL SECTION
SCALE: 3/4" = 1'-0"



2 A3.03 TYPICAL WALL SECTION
SCALE: 3/4" = 1'-0"

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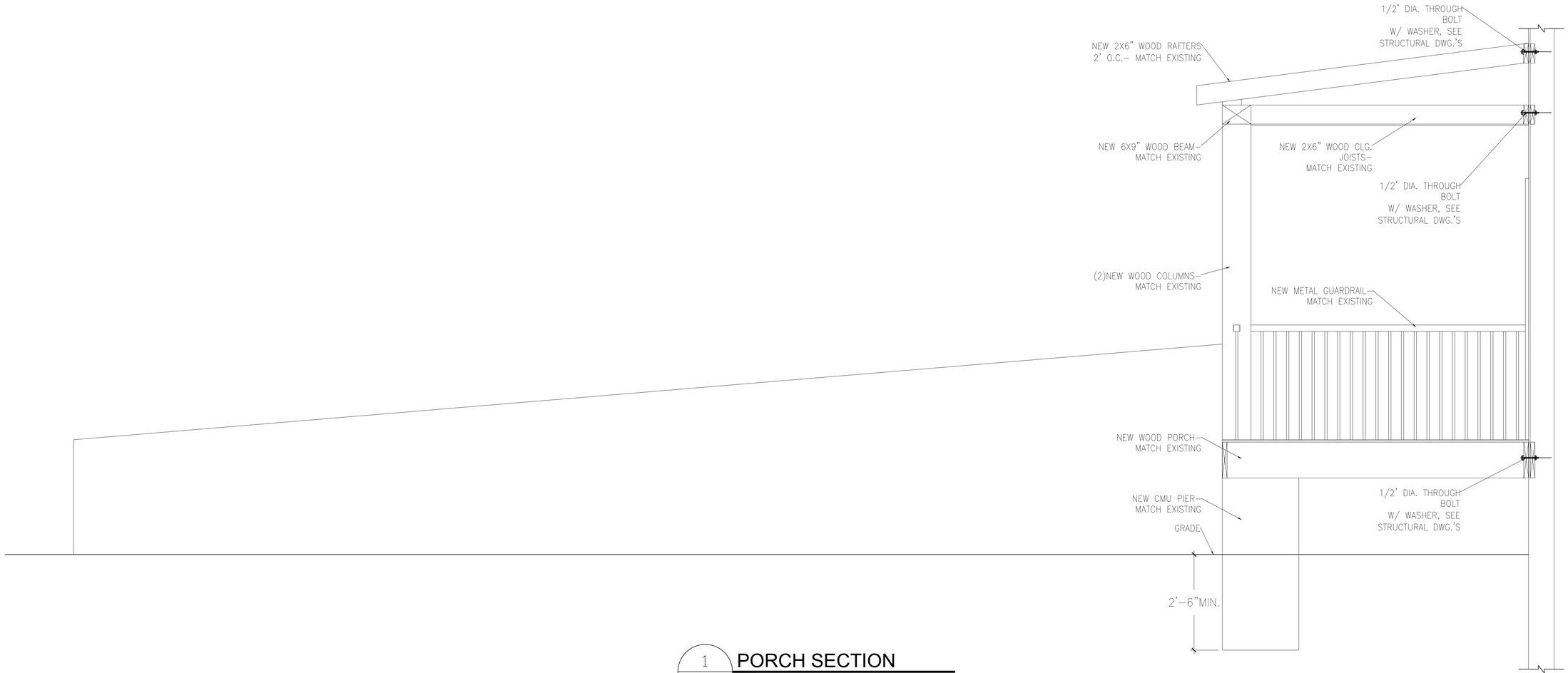
CONTENT
TYPICAL WALL SECTIONS
DRAWING NO.
A3.03



1 / A3.04 **PORCH SECTION**
SCALE: 3/4" = 1'-0"

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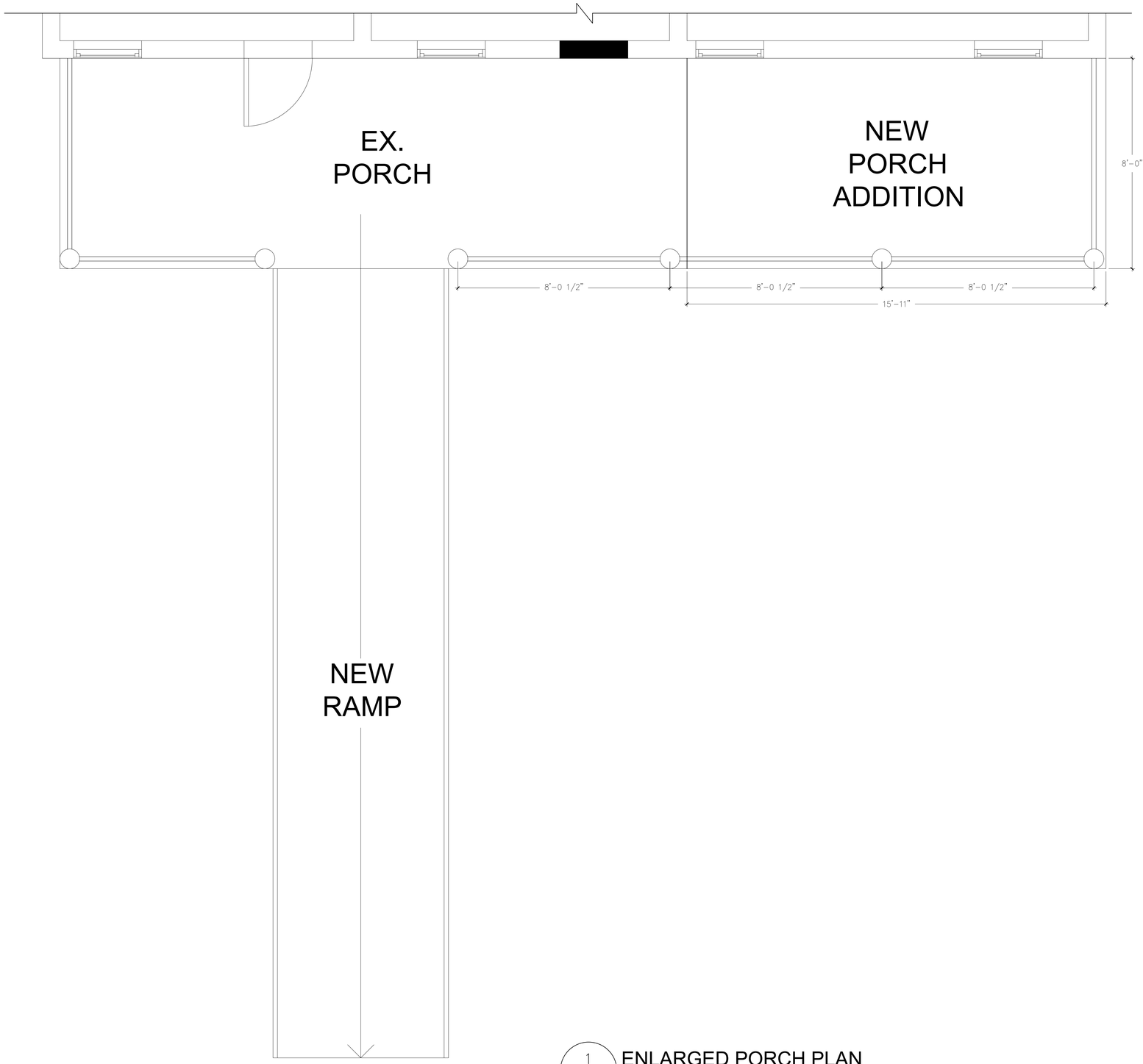

1 / A4.01 ENLARGED PORCH PLAN
SCALE: 1/2" = 1'-0"

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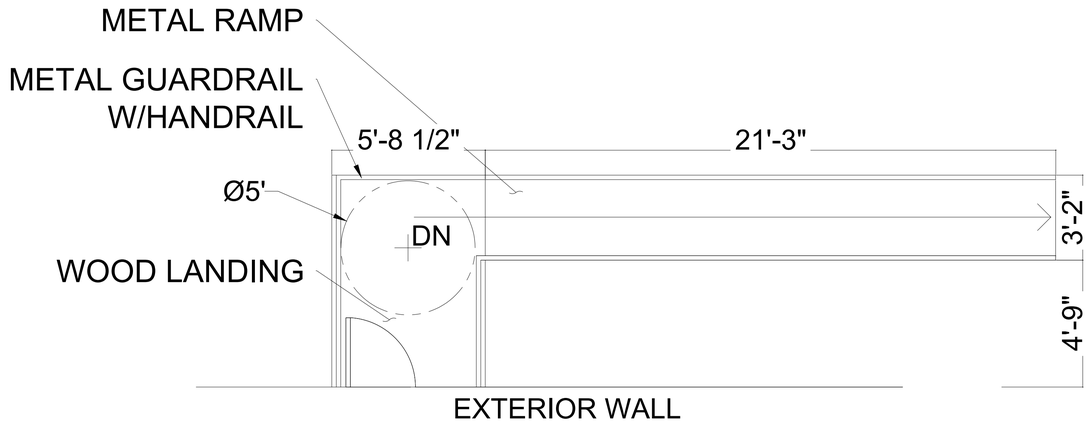
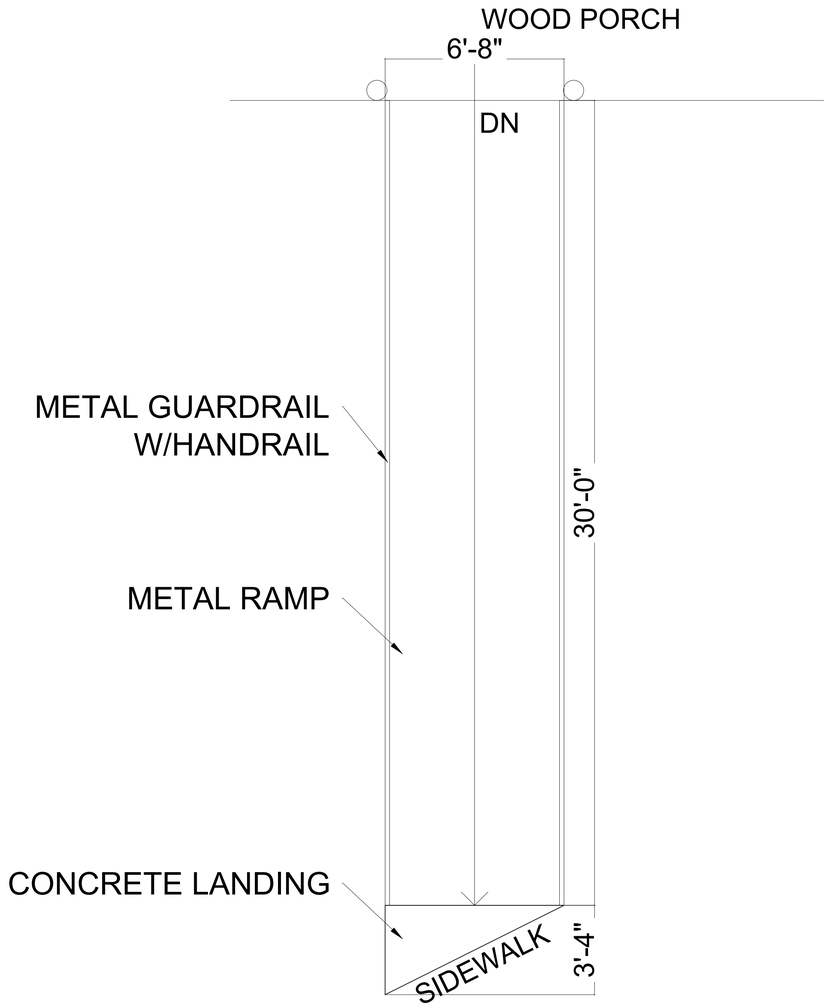
A4.01



1 / A4.02 RAMP 'A' ENLARGED PLAN
SCALE: 3/8" = 1'-0"



2 / A4.02 RAMP 'B' ENLARGED PLAN
SCALE: 3/8" = 1'-0"

CONSTRUCTION DOCUMENTS

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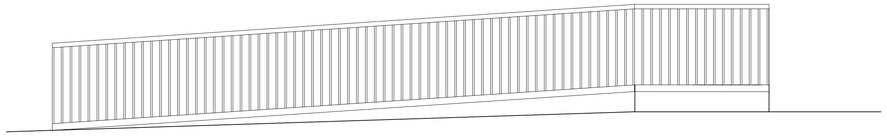
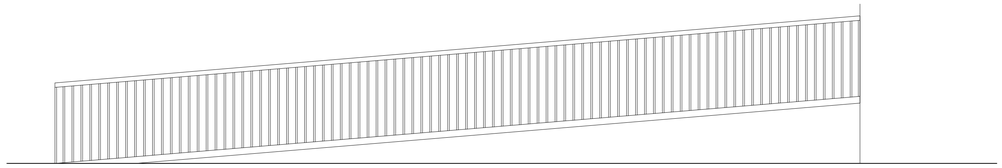
BALTIMORE, MD. 21212
COMMERCIAL RENOVATION

ISSUE DATES		
1	2.27	ORIG. SUB.

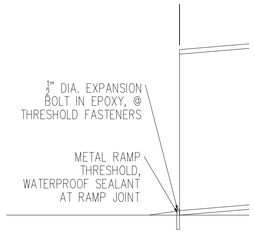
SCALE:
PROJECT NO:
DRAWN BY: KMD
CHECKED BY: DGG
CONTENT
ENLARGED PLAN
DRAWING NO.
A4.02
SHEET 13 OF 32



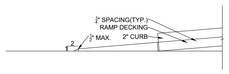
1 A5.01 RAMP 'A' ELEVATION
SCALE: 3/8" = 1'-0"



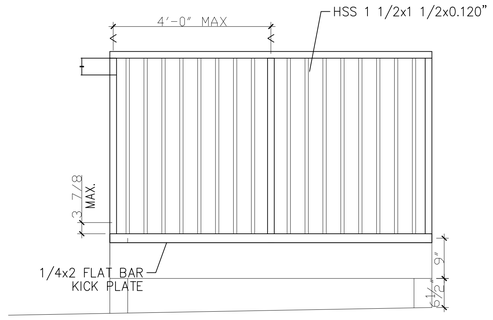
2 A5.01 RAMP 'B' ELEVATION
SCALE: 3/8" = 1'-0"



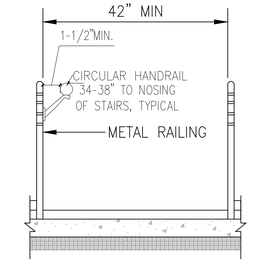
3 A5.01 TYPICAL RAMP THRESHOLD
SCALE: 3/4" = 1'-0"



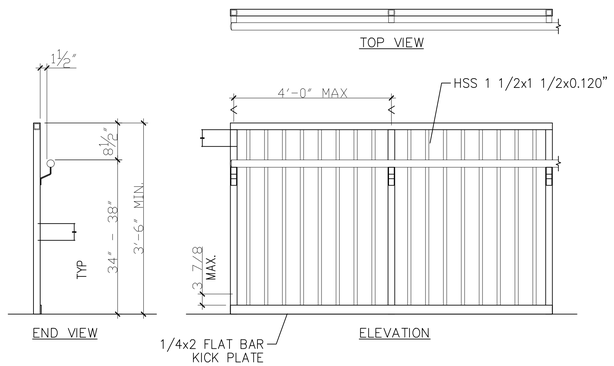
4 A5.01 TYPICAL RAMP TRANSITION
SCALE: 3/4" = 1'-0"



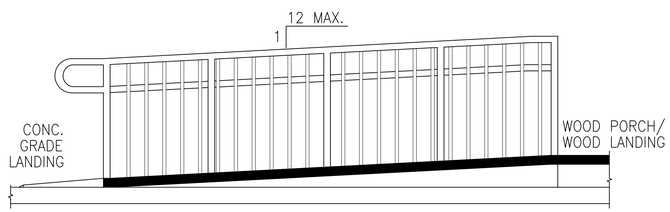
5 A5.01 TYPICAL GUARDRAIL ELEV.
SCALE: 3/4" = 1'-0"



6 A5.01 TYPICAL RAMP SECTION
SCALE: 3/4" = 1'-0"



7 A5.01 TYPICAL HANDRAIL DETAILS
SCALE: 3/4" = 1'-0"



8 A5.01 TYPICAL RAMP GUARDRAIL ELEV.
SCALE: 3/4" = 1'-0"

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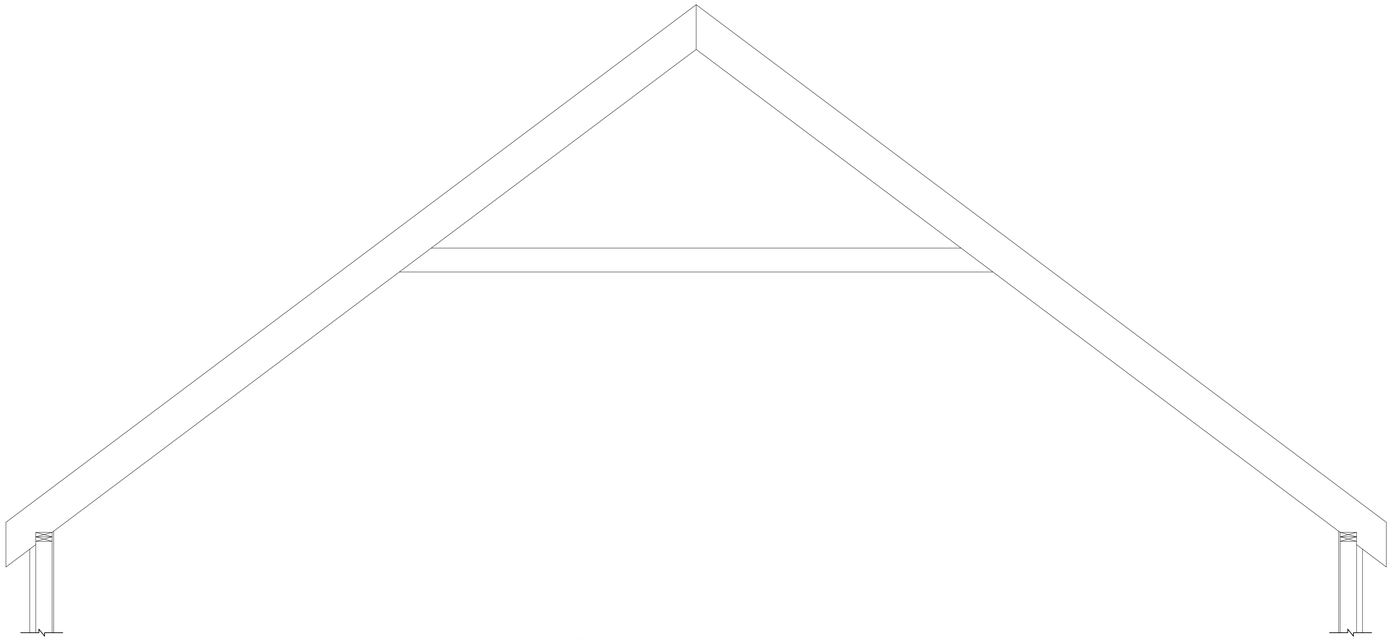
1	2.27	ORIG. SUB.

SCALE:
PROJECT NO:
DRAWN BY: KMD
CHECKED BY: DGG
CONTENT: RAMP DETAILS
DRAWING NO.: A5.01

NOTE:
TRUSS MANUFACTURER SHALL PROVIDE SEALED SHOP DRAWINGS.



1 A5.02 ROOF TRUSS 'A'
SCALE: 1/2" = 1'-0"

THE TRUSS MANUFACTURER SHALL PROVIDE THE CALCULATIONS & SIZING FOR ALL TRUSS FRAMING MEMBERS, ALL TRUSS CONNECTIONS & CONTINUOUS STABILITY AT RIDGE WITH SUPPORT BLOCKING AS NECESSARY

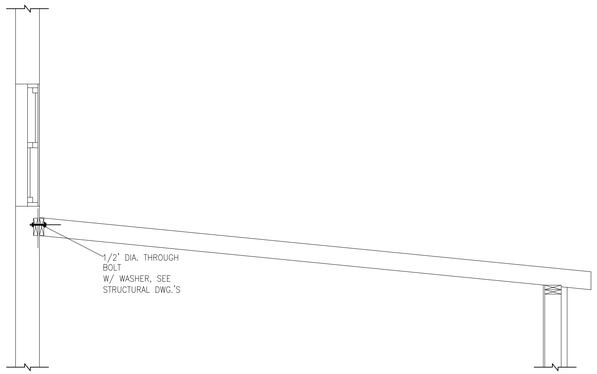
WOOD TRUSS DESIGN DRAWINGS SHALL BE PROVIDED TO THE BUILDING OFFICIAL & APPROVED PRIOR TO INSTALLATION. TRUSS DESIGN DRAWINGS SHALL BE PROVIDED PRIOR TO OR WITH THE SHIPMENT OF TRUSSES DELIVERED TO THE JOB SITE. TRUSS DESIGN DRAWINGS SHALL INCLUDE, AT MIN., THE FOLLOWING:

1. SLOOPE OR DEPTH, SPAN AND SPACING.
2. LOCATION OF ALL JOINTS.
3. REQUIRED BEARING WIDTH.
4. DESIGN LOADS AS APPLICABLE
   - 4.1 TOP CHORD LIVE LOAD
   - 4.2 TOP CHORD DEAD LOAD
   - 4.3 BOTTOM CHORD LIVE LOAD
   - 4.4 BOTTOM CHORD DEAD LOAD
   - 4.5 CONCENTRATED LOADS & THEIR POINTS OF APPLICATION
   - 4.6 CONTROLLING WIND & EARTHQUAKE LOADS.
5. ADJUSTMENT TO LUMBER & JOINT CONNECTOR DESIGN VALUES FOR CONDITION OF USE.
6. EACH REACTION FORCE AND DIRECTION.
7. JOINT CONNECTOR TYPE & DESCRIPTION SUCH AS SIZE, THICKNESS OR GAGE & THE DIMENSIONAL LOCATION OF EACH JOINT CONNECTOR EXCEPT WHERE SYMMETRICALLY LOCATED RELATIVE TO THE JOINT INTERFACE.
8. LUMBER SIZE, SPECIES & GRADE FOR EACH MEMBER.
9. CONNECTION REQUIREMENTS FOR:
   - 9.1 TRUSS TO GIRDER-TRUSS
   - 9.2 TRUSS PLY TO PLY
   - 9.3 FIELD SPLICES
10. CALCULATED DEFLECTION RATIO AND MAXIMUM DESCRIPTION FOR LIVE & TOTAL LOAD.
11. MAXIMUM AXIAL COMPRESSION FORCES IN THE TRUSS MEMBERS COMPATIBLE TO THE DESIGNED SIZE, CONNECTIONS & ANCHORAGE OF THE PERMANENT CONTINUOUS LATERAL BRACING. FORCES SHALL BE SHOWN ON THE TRUSS DESIGN DRAWING OR ON SUPPLEMENTAL DOCUMENTS.
12. REQUIRED PERMANENT TRUSS MEMBER BRACING LOCATION.

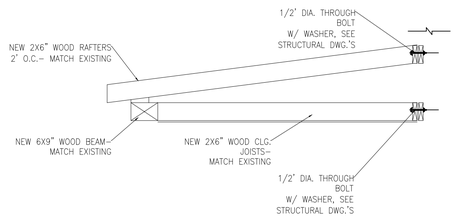
THE DESIGN & MANUFACTURE OF METAL-PLATE-CONNECTED WOOD TRUSSES SHALL COMPLY WITH ANSI/TPI 1. THE TRUSS DESIGN DRAWINGS SHALL BE PREPARED BY A REGISTERED PROFESSIONAL WHERE REQUIRED BY THE STATUTES OF PRINCE GEORGE'S COUNTY.

TRUSSES SHALL BE BRACED TO PREVENT ROTATION & PROVIDE LATERAL STABILITY IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS FOR THE BUILDING & ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS. IN THE ABSENCE OF SPECIFIC BRACING REQUIREMENTS, TRUSSES SHALL BE BRACED IN ACCORDANCE WITH ACCEPTED INDUSTRY PRACTICE SUCH AS THE SBCA BUILDING COMPONENT SAFETY INFORMATION (BCSI) GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES.

TRUSS MEMBERS SHALLNOT BE CUT, NOTCHED, DRILLED, SPLICED OR OTHERWISE ALTERED IN ANY WAY WITHOUT THE APPROVAL OF A REGISTERED DESIGN PROFESSIONAL.



2 A5.02 ROOF SECTION 'A'
SCALE: 1/2" = 1'-0"



3 A5.02 ROOF SECTION 'A'
SCALE: 1/2" = 1'-0"

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COMMERCIAL RENOVATION

ISSUE DATES		
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SCALE:
PROJECT NO:
DRAWN BY: KMD
CHECKED BY: DGG
CONTENT: DETAILS
DRAWING NO.: A5.02

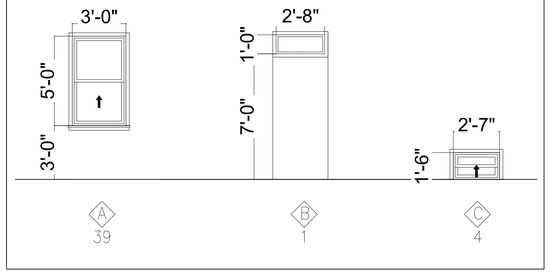
WINDOW SCHEDULE

WINDOW TAG	WIDTH	HEIGHT	TYPE	ELEVATION	MATERIAL	GLAZING	MANUFACTURER
A	3'-0"	5'-0"	DOUBLE HUNG	A	WOOD	MATCH EX.	TBD
B	2'-8"	1'-0"	TRANSOM	B	WOOD	MATCH EX.	TBD
C	2'-7"	1'-6"	DOUBLE HUNG	C	WOOD	MATCH EX.	TBD

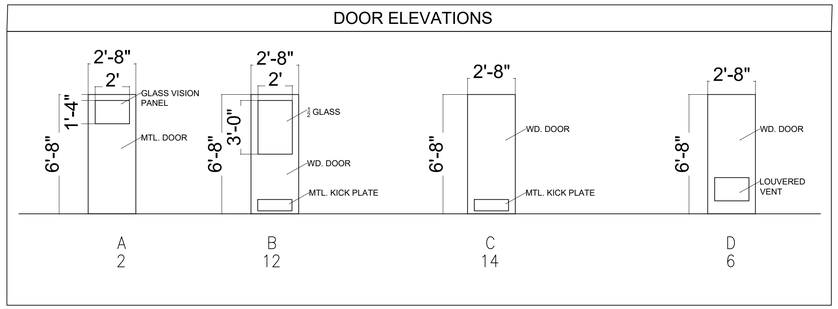
IMPORTANT NOTE:

1. ALL NEW WINDOWS U-VALUE TO BE MINIMUM 0.30 AND GLAZING SHGC TO BE 0.27.
2. ALL NEW WINDOWS SHALL MATCH EXISTING WINDOW IN PROFILE, GRID PATTERN, AND STYLE

DOOR ELEVATIONS



DOOR ELEVATIONS



DOOR SCHEDULE

DOOR TAG	USE	DOOR SIZE			DOOR TYPE			FRAME TYPE				HARDWARE		
		WIDTH	HEIGHT	THICKNESS	ELEV.	MATERIAL	FINISH	ELEV.	MATERIAL	FINISH	FIRE RATED	FINISH	LATCH/ LOCKS	HDW
001	STAIRS	2'-8"	6'-8"	0'-1 3/8"	C	MTL.	PTD./ST.	F1	ALUM.	ALUM.	N	ALUM.	PASSAGE	SET 3
002	STORAGE	2'-8"	6'-8"	0'-1 3/8"	D	MTL.	PTD./ST.	F1	ALUM.	ALUM.	N	ALUM.	CLASSRM.	SET 4
003	M/E ROOM	2'-8"	6'-8"	0'-1 3/8"	D	MTL.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	CLASSRM.	SET 4
004	RESTROOM	2'-8"	6'-8"	0'-1 3/8"	C	MTL.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PRIVACY	SET 1
101	ENTRY	2'-8"	6'-8"	0'-1 3/4"	A	GL.	ALUM.	F2	ALUM.	ALUM.	N	ALUM.	ENTRY	SET 2
102	CLASSRM.	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PRIVACY	SET 1
103	STAIRS	2'-8"	6'-8"	0'-1 3/8"	C	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PASSAGE	SET 3
104	CONF. RM.	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F1	ALUM.	ALUM.	N	ALUM.	CLASSRM.	SET 4
105	RESTROOM	2'-8"	6'-8"	0'-1 3/4"	C	GL.	ALUM.	F1	ALUM.	ALUM.	N	ALUM.	PRIVACY	SET 1
106	RESTROOM	2'-8"	6'-8"	0'-1 3/4"	C	GL.	ALUM.	F2	ALUM.	ALUM.	N	ALUM.	PRIVACY	SET 1
107	RESTROOM	2'-8"	6'-8"	0'-1 3/8"	C	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PRIVACY	SET 1
108	THERAPEUTIC RM.	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	CLASSRM.	SET 4
109	RESTROOM	2'-8"	6'-8"	0'-1 3/8"	C	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PRIVACY	SET 1
110	CLASSRM.	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	CLASSRM.	SET 4
111	ENTRY	2'-8"	6'-8"	0'-1 3/4"	A	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	ENTRY	SET 2
201	STAIRS	2'-8"	6'-8"	0'-1 3/8"	C	W.D.	PTD./ST.	F1	ALUM.	ALUM.	N	ALUM.	PASSAGE	SET 3
202	CLOSET	2'-8"	6'-8"	0'-1 3/8"	D	W.D.	PTD./ST.	F1	ALUM.	ALUM.	N	ALUM.	PASSAGE	SET 3
203	RESTROOM	2'-8"	6'-8"	0'-1 3/8"	C	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PRIVACY	SET 1
204	CLASSRM.	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	CLASSRM.	SET 4
205	RESTROOM	2'-8"	6'-8"	0'-1 3/8"	C	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PRIVACY	SET 1
206	CLASSRM.	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	CLASSRM.	SET 4
207	CLASSRM.	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	CLASSRM.	SET 4
208	RESTROOM	2'-8"	6'-8"	0'-1 3/8"	C	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PRIVACY	SET 1
209	RESTROOM	2'-8"	6'-8"	0'-1 3/8"	C	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PRIVACY	SET 1
210	THERAPEUTIC RM.	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F3	ALUM.	ALUM.	N	ALUM.	CLASSRM.	SET 4
301	STAIRS	2'-8"	6'-8"	0'-1 3/8"	C	GL.	PTD./ST.	F1	ALUM.	ALUM.	N	ALUM.	ENTRY	SET 2
302	CLOSET	2'-8"	6'-8"	0'-1 3/8"	D	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PASSAGE	SET 3
303	KITCHENETTE	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PASSAGE	SET 3
304	CLOSET	2'-8"	6'-8"	0'-1 3/8"	D	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PASSAGE	SET 3
305	OFFICE	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	ENTRY	SET 2
306	OFFICE	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PASSAGE	SET 3
307	CLOSET	2'-8"	6'-8"	0'-1 3/8"	D	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	PASSAGE	SET 3
308	OFFICE	2'-8"	6'-8"	0'-1 3/8"	B	W.D.	PTD./ST.	F2	ALUM.	ALUM.	N	ALUM.	ENTRY	SET 2
309	RESTROOM	2'-8"	6'-8"	0'-1 3/8"	C	W.D.	PTD./ST.	F3	ALUM.	ALUM.	N	ALUM.	PASSAGE	SET 3

IMPORTANT NOTE:

1. ALL DIMENSIONS ARE ONLY FOR INFORMATION;
2. PROVIDE & INSTALL SECURITY GRILLES FOR ENTRY DOORS.
3. EXTERIOR DOORS U-VALUE TO BE MINIMUM 0.30 AND TRANSOM GLAZING SHGC TO BE 0.27.
4. EXISTING TO REMAIN MECHANICAL ROOM AND RESTROOM DOORS ORBITAL KNOBS ARE TO BE REPLACED WITH LEVER SETS.
5. STAIRWELL DOORS SHALL HAVE CRASH BARS INSTALLED ON THE STAIRWELL SIDE OF THE DOOR.
6. * EQUALS SECURITY DOOR.

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SCALE:
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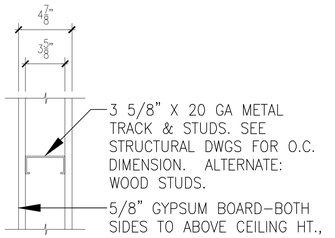
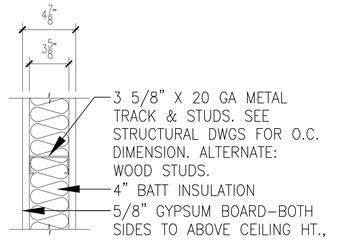
DRAWN BY: KMD
CHECKED BY: DGG
CONTENT: SCHEDULES
DRAWING NO.: A6.01





WALL PARTITION TYPES

SCALE 1 1/2" = 1'–0"

FINISH SCHEDULE

FLOOR	ROOM NAME	FLOOR		BASE		WALLS		CEILING	
		MAT'L	FIN.	MAT'L	PAINT	MAT'L	PAINT	MAT'L	PAINT
BASEMENT FLOOR	INDOOR PLAY AREA	CONC.	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	STORAGE	CONC.	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	RESTROOM	CONC.	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	STAIRS	CONC.	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	M/E ROOM	CONC.	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
FIRST FLOOR	LOBBY	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	HALL	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	CLASSROOM	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	RESTROOM	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	THERAPEUTIC ROOM	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	CONF. ROOM	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
SECOND FLOOR	HEADSTART CLASSROOM	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	HALL	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	CLOSET	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	RESTROOM	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	THERAPEUTIC ROOM	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
THIRD FLOOR	KITCHENETTE	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	HALL	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	CLOSET	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	RESTROOM	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A
	OFFICE	3/4" OSB	LVT	VINYL	N/A	GWB	PAINT	GWB	N/A

NOTE:

1. CONTRACTOR SELECTIONS SHALL BE VERIFIED VIA SUBMITTAL PROCESS
2. PAINT COLORS TO BE DETERMINED AND SELECTED BY OWNER

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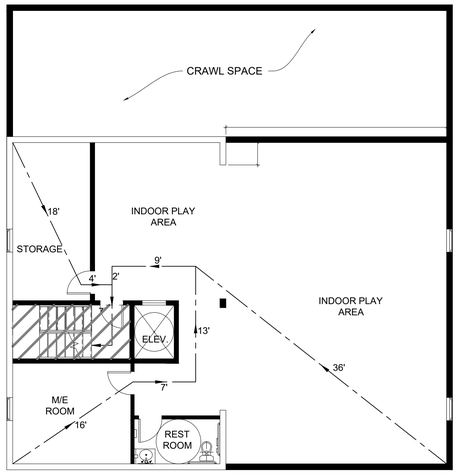
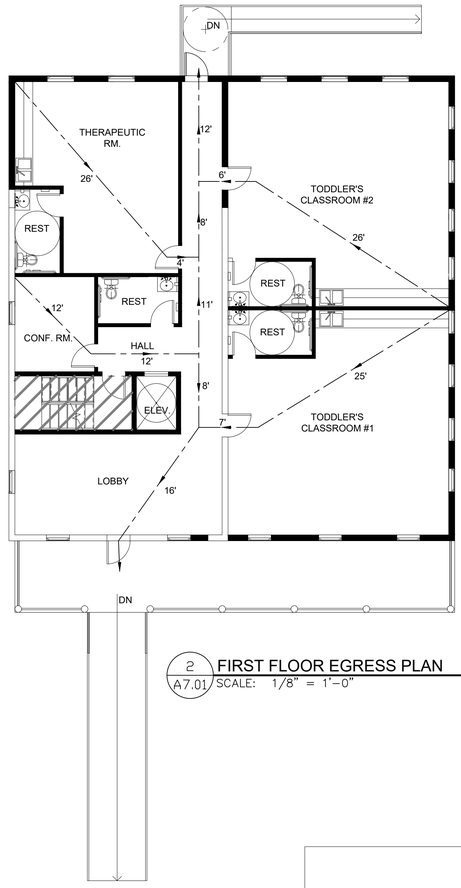
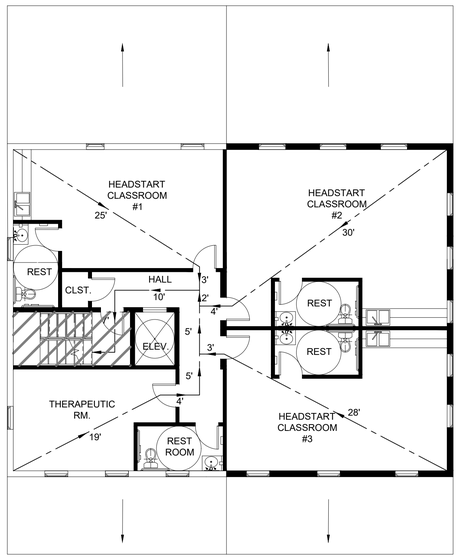


1 A7.01 BASEMENT EGRESS PLAN
SCALE: 1/8" = 1'-0"

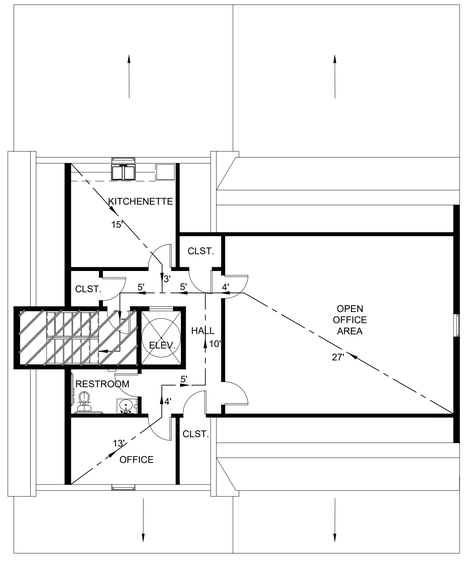


2 A7.01 FIRST FLOOR EGRESS PLAN
SCALE: 1/8" = 1'-0"

1 HR. VERTICAL SEPARATION



3 A7.01 SECOND FLOOR EGRESS PLAN
SCALE: 1/8" = 1'-0"



4 A7.01 THIRD FLOOR EGRESS PLAN
SCALE: 1/8" = 1'-0"

CONSTRUCTION DOCUMENTS

SULTON CAMPBELL BRITT & ASSOCIATES, P.C.
Architecture * Historic Preservation * Planning * LEED® Consulting
Founded 1964

1010 EAST 43RD STREET
BALTIMORE, MD. 21212
COMMERCIAL RENOVATION

ISSUE DATES		
1	2.27	ORIG. SUB.

SCALE:
PROJECT NO:
DRAWN BY: KMD
CHECKED BY: DGG
CONTENT: EGRESS PLANS
DRAWING NO.: A7.01

MECHANICAL SPECIFICATIONS

1. SCOPE

THE WORK COVERED IN THIS SECTION OF THE SPECIFICATIONS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, AND MATERIAL AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH THE INSTALLATION OF THE COMPLETE AIR CONDITIONING AND HEATING SYSTEM. ALL WORK WILL BE COMPLETE AND IN ACCORDANCE WITH THIS SECTION OF THE SPECIFICATIONS AND APPLICABLE DRAWINGS, AND WILL BE SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT.

2. SPECIFICATIONS AND DRAWINGS

THE MECHANICAL DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF THE AIR CONDITIONING AND HEATING SYSTEM. THESE SPECIFICATIONS AND DRAWINGS SHALL SUPPLEMENT EACH OTHER. EQUIPMENT, DUCTWORK AND PIPING SHALL FIT INTO THE SPACE ALLOCATED AND SHALL PROVIDE ALL NECESSARY CLEARANCE FOR SERVICING AND MAINTENANCE.

3. CODES AND STANDARDS

THE WORK SHALL COMPLY WITH THE LATEST APPLICABLE REQUIREMENTS FOR THE NFPA AND ALL LOCAL CODES GOVERNING THIS INSTALLATION AS A MINIMUM STANDARD UNLESS SPECIFICATIONS LISTED HEREIN OR SHOWN ON THE PLANS REQUIRE A HIGHER MINIMUM STANDARD.

4. PERMITS AND FEES

THE HVAC CONTRACTOR SHALL PROCURE ALL PERMITS AND PAY ALL FEES ASSOCIATED WITH THE PERMITTING AND INSPECTION PROCESS. THE HVAC CONTRACTOR SHALL ALSO ARRANGE FOR ALL INSPECTIONS.

5. ELECTRICAL

THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, WIRE, SEAL-TIGHT, AND DISCONNECTIONS. UNLESS OTHERWISE STIPULATED, THE ELECTRICAL CONTRACTOR SHALL CONNECT THE AIR CONDITIONING UNITS. THE HVAC CONTRACTOR WILL FURNISH ALL MATERIALS, WIRE AND CONNECT THE THERMOSTAT.

6. VIBRATION AND INSULATION

BOTH THE AIR HANDLER UNIT AND CONDENSING UNIT SHALL BE PLACED ON VIBRATION ISOLATORS. THE HVAC CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ELIMINATE ALL EXCESSIVE VIBRATION AND OBJECTIONAL NOISE PROJECTED BY ANY EQUIPMENT INSTALLED UNDER THIS CONTRACT.

7. INSTALLATION

A. THE HVAC CONTRACTOR SHALL SUPPLY ONE THERMOSTAT PER AIR SYSTEM. STAGING OF HEATING AND COOLING SHALL BE INDICATED ON THE DRAWINGS.

B. ALL REFRIGERATION PIPING TO BE TYPE "L" COPPER WITH WROUGHT COPPER FITTINGS. JOINTS SHALL BE MADE WITH SILVER SOLDER.

C. THE REFRIGERATION SUCTION LINES SHALL BE INSULATED AS FOLLOWS: ABOVE GROUND WITH 1/2 "ARMSTRONG ARMAFLEX" BELOW GROUND/SLAB WITH SAME ENCASED P.V.C. CONDUIT. INSULATION SHALL BE SLIPPED ON PIPING PRIOR TO CONNECTION. ALL BUTT JOINTS TO BE SEALED WITH AN APPROVED ADHESIVE. INSTALLATION OF CONDENSATE LINE IS BY THE HVAC CONTRACTOR. INSULATE ALL LINES RUNNING ABOVE CEILING. SEE DETAIL FOR UNDERGROUND PIPING.

D. ALL DUCTWORK SHALL CONFORM TO THE RECOMMENDED CONSTRUCTION FOR LOW AND MEDIUM PRESSURE DUCTWORK AS APPROVED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION. SEAL CLASS "C" FOR ALL LOW PRESSURE DUCTWORK; SEAL CLASS "A" FOR HIGH PRESSURE DUCTWORK. ALL DUCTS SHALL BE MADE OF THE BEST GRADE GALVANIZED SHEET STEEL. THE GAUGE OF THE SHEET STEEL AND DUCT SUPPORTS SHALL CONFORM TO SMACNA STANDARDS. EXPOSED ROUND DUCT SHALL BE SPIRAL LOCKSEAM OR LONGITUDINAL WELDED SEAM AS MANUFACTURED BY UNITED MCGILL SHEET METAL COMPANY. MODELS UNISEAL, UNICOAT, OR LONGITUDINAL SEAM.

E. SUPPLY AND RETURN AIR REGISTERS SHALL BE TITUS OR THEIR METAL AIRE EQUIVALENT AS INDICATED ON THE DRAWINGS. ALL SUPPLY REGISTERS ARE TO BE EQUIPPED WITH MANUAL DAMPERS.

F. EXTRACTORS AND TURNING VANES SHALL BE INSTALLED WHERE INDICATED ON THE DRAWINGS IN ADDITION TO ALL BENDS OVER 45 DEGREES.

G. FILTERS TO BE 2" FIBERBOND DUSTLOK WITH SPOREX ANTIMICROBIAL AGENT AND DUAL PLY CONSTRUCTION, OR IT'S EQUIVALENT. FURNISH TWO ADDITIONAL FILTERS FOR EACH SIZE OF FILTER USED.

8. TESTING AND BALANCING

A. UPON COMPLETION OF WORK, THE HVAC CONTRACTOR SHALL USE ACCURATE METERS, INSTRUMENTS OF TYPE AND SIZE AS REQUIRED DETERMINING PROPER AIR FLOW AND DISTRIBUTIONS. CONFIRM THAT ALL FUSE SIZES ARE IN ACCORDANCE WITH THE MOTOR NAMEPLATE DATA.

B. AIR QUANTITIES: CHECK EACH BLOWER AND DIFFUSER AS INDICATED ON DRAWINGS FOR CORRECT AND ADEQUATE DIFFUSION. OUTSIDE AIR QUANTITIES TO BE CHECKED AND ADJUSTED AS REQUIRED. AFTER SPACES HAVE BEEN BROUGHT UP TO DESIGN TEMPERATURES AND EQUIPMENT IS FUNCTIONING PROPERLY, RE-BALANCE, IF NECESSARY, BY MEANS OF CALIBRATED THERMOMETERS PLACED IN EACH ROOM AND IN OPEN SPACES, NOT OVER 20' APART. THERMOSTATS: NO DEVIATION IN TEMPERATURE OF MORE THAN 3 DEGREES FAHRENHEIT THROUGHOUT CONDITIONED SPACE. CONTRACTOR SHALL SUBMIT COMPLETE DATA REPORT REGARDING BALANCING, IN ADDITION TO VARIOUS CONTROL SETTINGS FOR APPROVAL OF ARCHITECT.

INDOOR MINI-SPLIT UNIT

UNIT NO.	UNIT TYPE	NOMINAL COOLING CAPACITY BTUH	NOMINAL HEATING CAPACITY BTUH	AIRFLOW CFM	VOLTS/ PHASE	FLA	NET WEIGHT LBS	BASIS OF DESIGN "MITSUBISHI"
AHU-1	WALL MOUNTED	6,000	8,700	117-328	240/1	0.67	29	MSZ-FH06NA
AHU-2	WALL MOUNTED	9,000	10,900	117-328	240/1	0.67	29	MSZ-FH09NA

NOTES:
1. PROVIDE WITH WALL-MOUNTED FACTORY FURNISHED THERMOSTAT.
2. PROVIDE UNIT WITH CONDENSATE PUMP.

OUTDOOR MINI-SPLIT UNIT

UNIT NO.	ZONES	NOMINAL COOLING CAPACITY BTUH	NOMINAL HEATING CAPACITY BTUH	SEER	EER	HSPF	ELECTRICAL DATA			NET WEIGHT LBS	BASIS OF DESIGN "MITSUBISHI"
							VOLTS/ PHASE	MCA	MCOP		
HP-1	3	22,000	25,000	20.0	13.6	10.0	208/1	22.1	25	137	MXZ-3C24NA3
HP-2	5	43,000	53,600	19.7	9.2	9.2	208/1	32.5	40	189	MXZ-5C42NA4

EXHAUST FAN SCHEDULE

UNIT NO.	AREA SERVED	EXHAUST CFM	FAN			ELECTRICAL		BASIS OF DESIGN "PANASONIC"	REMARKS
			HP (WATTS)	RPM	E.S.P. IN."	VOLTS/ PH	MCA		
EF-1	BATHROOMS	80	(15.9)	1500	0.1	240/1	0.13	FV-0511VH1	A,B,C,D

REMARKS:
A. EACH DWELLING UNIT TO HAVE ONE (1) BATHROOM FAN THAT OPERATES CONTINUOUSLY, PROVIDING REQUIRED VENTILATION AIR TO THE SPACE. SEE PLANS FOR BATHROOM FAN LOCATIONS.
B. FAN TO BE CEILING MOUNTED ONTO BATHROOM DROP CEILING.
C. RADIATION DAMPERS MUST BE INSTALLED IN FIRE RATED CEILING ASSEMBLIES.
D. EXHAUST FAN HAS INTEGRAL 1.6 KW HEATER, INSTALL ON DEDICATED CIRCUIT.

SPLIT SYSTEMS

FLOOR	6K	9K	12K	15K	TOTAL	HP #
B	1	2	-	-	24K	HP-2
1	2	3	-	-	39K	HP-2
2	4	-	-	-	24K	HP-2
ATTIC	2	1	-	-	21K	HP-2

LEGEND

	SUPPLY AIR (SA)
	RETURN AIR (RA)
	EXHAUST AIR (EA)
	ROUND BRANCH DUCT W/45° TAP & MANUAL VOLUME DAMPER
	RECT. BRANCH DUCT W/45° TAP & MANUAL VOLUME DAMPER
12x6	RECTANGULAR DUCT
12ø	ROUND DUCT (DIAMETER)
T	THERMOSTAT (WALL MOUNTED)
	FLEXIBLE DUCT (SINGLE LINE)
	VOLUME CONTROL DAMPER
	SQUARE-ROUND DUCT TRANSITION
A / #	EQUIPMENT NOMENCLATURE

ENERGY VERIFICATION

1. ANY SUPPLY DUCTS LOCATED IN ATTIC SPACES ARE INSULATED >/= R-8. ALL OTHER DUCTS IN UNCONDITIONED SPACES OR OUTSIDE BUILDING ENVELOPE ARE INSULATED >/= R-6.
2. ALL JOINTS AND SEAMS OF AIR DUCTS, AIR-HANDLERS, AND FILTER BOXES ARE SEALED.
3. BUILDING CAVITIES ARE NOT USED AS DUCTS OR PLENUMS.
4. HVAC PIPING CARRYING FLUIDS > 105°F OR FLUIDS < 55°F ARE INSULATED TO >/= R-3.
5. INSULATION ON HVAC PIPING SHALL BE PROTECTED.
6. AUTO/GRAVITY DAMPERS INSTALLED ON ALL INTAKES/EXHAUSTS.
7. TOTAL DUCT LEAKAGE TEST MUST BE </= 8 CFM/100 sqft W/ AIR HANDLER INSTALLED.
8. AIR HANDLER LEAKAGE DESIGNED BY MFR AT </= 2% OF AIR FLOW.
9. HVAC EQUIPMENT TYPE AND CAPACITY SHALL BE AS PER PLANS.
10. PROGRAMMABLE T'STATS SHALL BE PROVIDED ON FORCED AIR FURNACE WITH 5 DEGREE F DEADBAND CAPABILITY.
11. HEAT PUMP T'STAT INSTALLED ON HEAT PUMPS.
12. HEATING AND COOLING EQUIPMENT IS SIZED BASED ON ACCA MANUAL S BASED ON LOADS CALCULATED PER ACCA MANUAL J
13. AIR LEAKAGE TEST SHALL BE PERFORMED TO COMPLY W/ IECC 402.4.1.2. MAX AIR CHANGE PER HOUR IS < 5 AC/HR
14. MAXIMUM ALLOWABLE LEAKAGE RATES OF DAMPERS PROVIDED TO UNITS, 40 CFM/SQFT FOR NON-MOTORIZED DAMPERS

NOTES:

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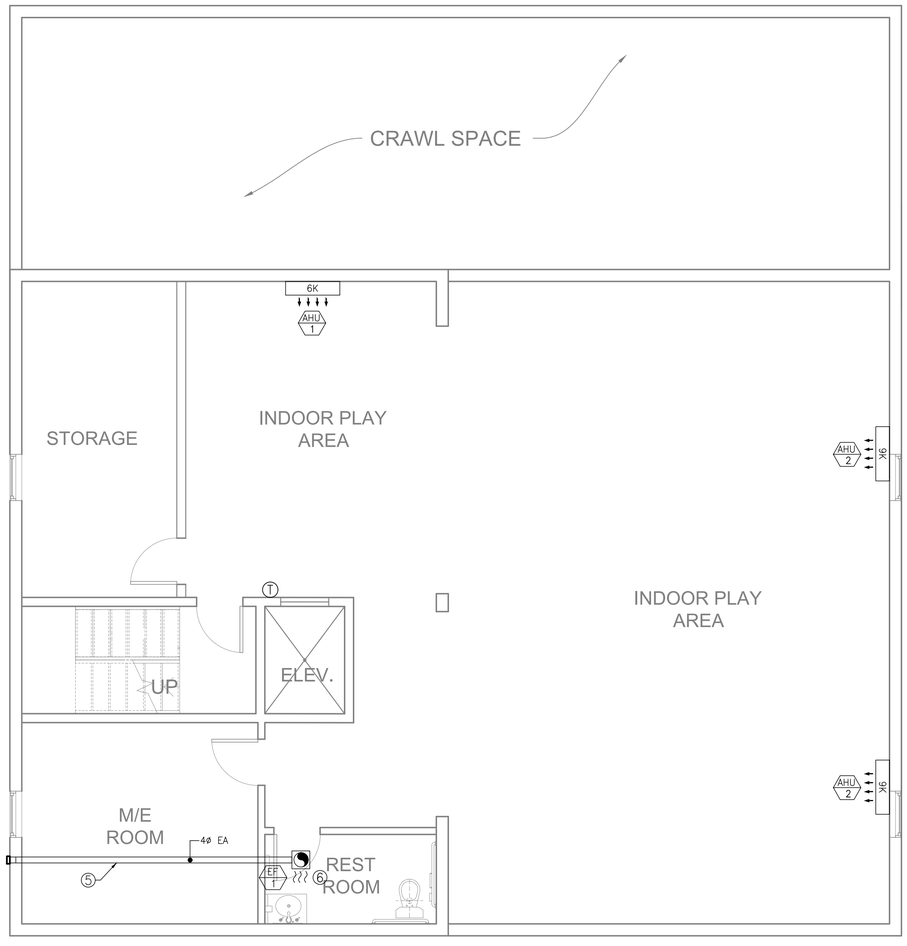
consultants
(443)742-7227

KIDZ STUFF CHILD CARE CENTER
1010 EAST 43RD STREET, BALTIMORE, MD 21212
MECHANICAL SPECIFICATIONS

SCALE:
NO SCALE

DRAWING NO:
M-1



GENERAL NOTES

A. REFER TO DRAWING M-1 FOR SCHEDULES & SPECIFICATIONS.

B. DRAWINGS ARE DIAGRAMMATICAL BY NATURE AND SHOULD NOT BE SCALED.

C. COORDINATE WITH OWNER FOR EXACT LOCATION OF AIR DEVICES IN CEILING.

D. ALL CONTRACTORS PRIOR TO BID SUBMISSION PROCESS SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITIONS THAT DIFFER FROM THAT SHOWN ON THIS PLAN SHALL BE REPORTED TO ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATIONS TO SCOPE OF WORK WHICH RESULTS FROM CONTRACTORS NEGLECT TO VISIT WORK SITE PRIOR TO SUBMITTING BID, SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY.

(#) DRAWING NOTES

1. INSTALL, SIZE, AND ROUTE REFRIGERATION PIPING AS RECOMMENDED BY SPLIT SYSTEM MANUFACTURER. ALL EXTERIOR PIPING TO CONDENSING UNIT SHALL BE PROTECTED USING A PVC LINE SET COVER.
2. CONDENSATE PIPING TO TERMINATE ON GRADE. PIPE SIZE AND ROUTING TO BE DETERMINED IN-FIELD.
3. EXHAUST DUCTWORK TO RUN WITHIN DROP CEILING.
4. DUCTWORK TO RUN WITHIN BULKHEAD BELOW RATED CEILING.
5. 4ø BATHROOM EXHAUST DUCT TO TERMINATE ON ROOF WITH ROOF CAP.
6. BATHROOM EXHAUST FAN TO RUN CONTINUOUSLY TO PROVIDE REQUIRED VENTILATION.
7. COORDINATE DUCT ROUTING UP THRU THIRD FLOOR UP THRU ROOF.

NOTES:

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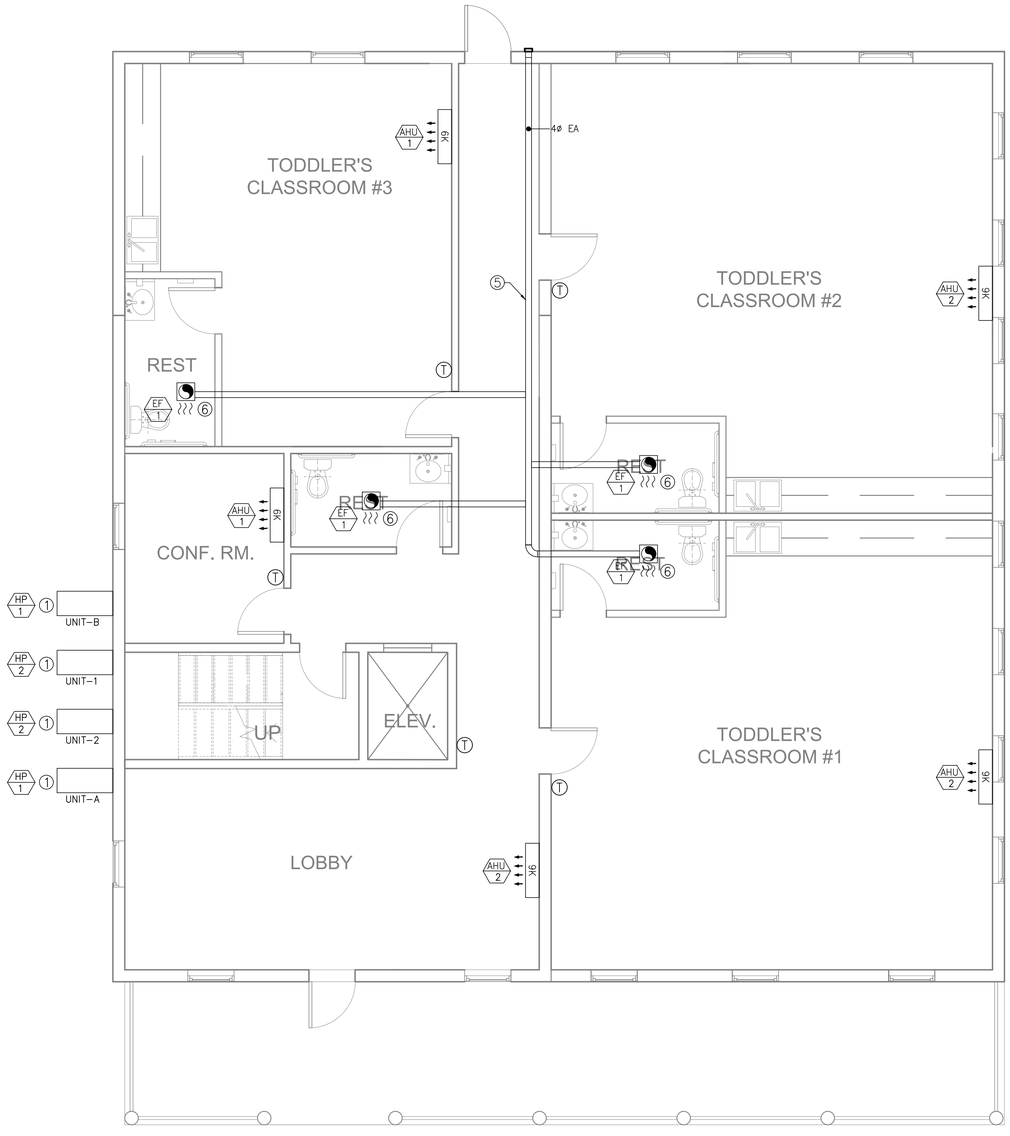
BASEMENT - MECHANICAL PLAN

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

DRAWING NO:
M-2



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1ST FLOOR - MECHANICAL PLAN

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

DRAWING NO:
M-3

GENERAL NOTES

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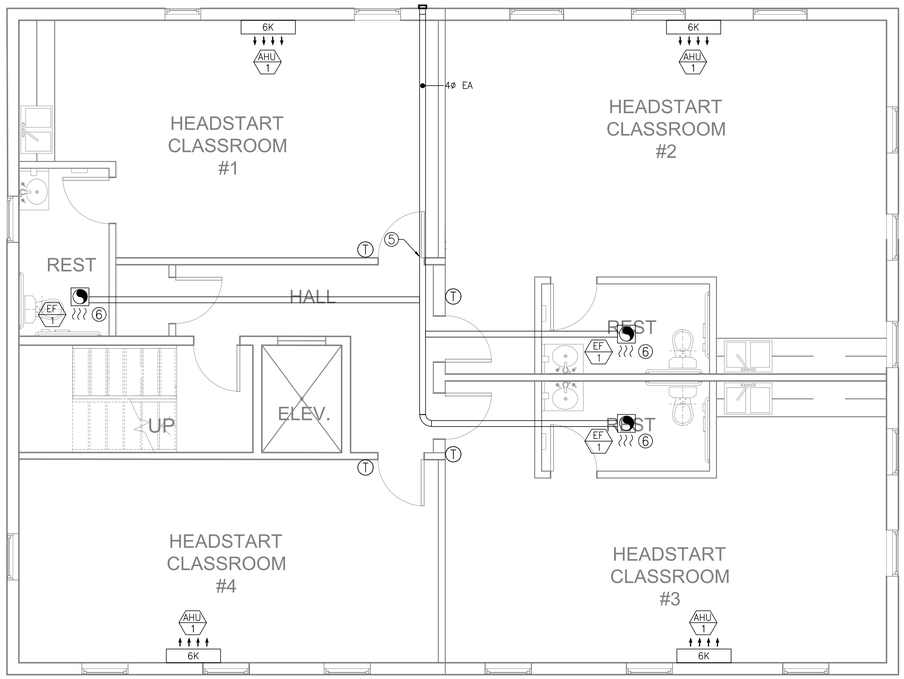

NOTES:

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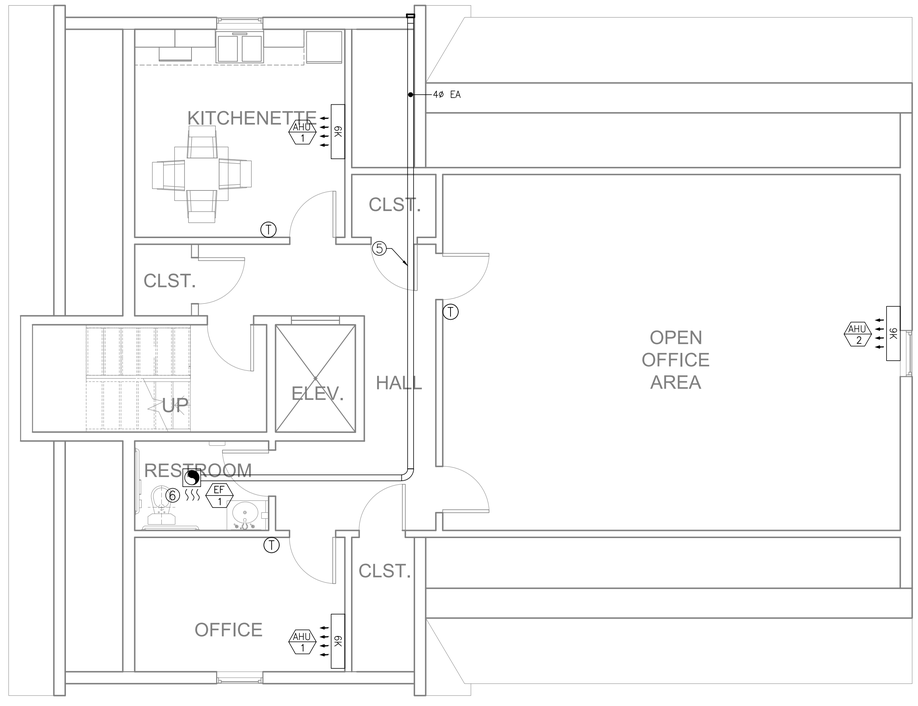
2ND FLOOR - MECHANICAL PLAN

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

DRAWING NO: M-4



GENERAL NOTES

A. REFER TO DRAWING M-1 FOR SCHEDULES & SPECIFICATIONS.

B. DRAWINGS ARE DIAGRAMMATICAL BY NATURE AND SHOULD NOT BE SCALED.

C. COORDINATE WITH OWNER FOR EXACT LOCATION OF AIR DEVICES IN CEILING.

D. ALL CONTRACTORS PRIOR TO BID SUBMISSION PROCESS SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITIONS THAT DIFFER FROM THAT SHOWN ON THIS PLAN SHALL BE REPORTED TO ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATIONS TO SCOPE OF WORK WHICH RESULTS FROM CONTRACTORS NEGLECT TO VISIT WORK SITE PRIOR TO SUBMITTING BID, SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY.

DRAWING NOTES

1. INSTALL, SIZE, AND ROUTE REFRIGERATION PIPING AS RECOMMENDED BY SPLIT SYSTEM MANUFACTURER. ALL EXTERIOR PIPING TO CONDENSING UNIT SHALL BE PROTECTED USING A PVC LINE SET COVER.
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NOTES:

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ATTIC - MECHANICAL PLAN

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

DRAWING NO:
M-5

ELECTRICAL SPECIFICATIONS:

A. GENERAL: THE REQUIREMENTS OF THE GENERAL, SUPPLEMENTARY AND SPECIAL CONDITIONS OF THE CONTRACT SPECIFICATIONS AND DRAWINGS ARE HEREBY MADE A PART OF THIS SECTION OF THE SPECIFICATIONS. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO PROVIDE A COMPLETE AND OPERATING INSTALLATION INCLUDING ALL OBVIOUSLY NECESSARY ITEMS EVEN THOUGH ITEMS ARE NOT INDICATED ON THE DRAWINGS OR SPECIFICATIONS.

B. PERMITS, SALES TAX, ETC.: THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, STATE SALES TAX, FEDERAL EXCISE TAX, ROYALTIES AND OTHER TAXES OR FEES AS REQUIRED FOR INSTALLATION OF A COMPLETE SYSTEM AS OUTLINED HEREIN AND AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL SECURE ALL NECESSARY LICENSES AND INSURANCE.

C. CODES: THE WORK SHALL COMPLY WITH LATEST APPLICABLE REQUIREMENTS OF THE NFPA AND ALL LOCAL CODES GOVERNING THIS INSTALLATION AS A MINIMUM STANDARD UNLESS SPECIFICATIONS LISTED HEREIN OR SHOWN ON THE PLANS REQUIRE A HIGHER MINIMUM STANDARD.

D. BRANDS OF EQUIPMENT: WHERE ONE MANUFACTURER ONLY IS NAMED, THE BIDS SHALL BE BASED ON FURNISHING EQUIPMENT OR MATERIALS BY THIS MANUFACTURER. PRODUCTS OF OTHER MANUFACTURERS WILL BE CONSIDERED FOR USE IF THE ITEM REQUESTED FOR SUBSTITUTION IS EQUAL TO THAT SPECIFIED. WHERE NO MANUFACTURERS ARE NAMED, THE CONTRACTOR SHALL SELECT EQUIPMENT OR MATERIAL WHICH MEETS THE SPECIFICATIONS.

E. DEPARTURES FROM DRAWINGS: THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF EQUIPMENT AND SYSTEMS. IF ANY DEPARTURES FROM THE CONTRACT DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREFORE SHALL BE SUBMITTED FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL.

F. CHANGES: THE CONTRACTOR SHALL CONFORM TO ALL REASONABLE CHANGES WITHOUT ADDITIONAL COST.

G. ERRORS AND OMISSIONS: ALL OBVIOUS ERRORS AND/OR OMISSIONS IN THE ABOVE MENTIONED DOCUMENTS SHALL BE CALLED TO THE ATTENTION OF THE GC AT LEAST FOUR DAYS PRIOR TO THE BID DATE. IF NOTIFICATION IS NOT RECEIVED, NO EXTRAS TO THE ORIGINAL DRAWINGS AND SPECIFICATIONS WILL BE AUTHORIZED.

H. GUARANTEE: THE CONTRACTOR SHALL PROVIDE A GUARANTEE AGAINST DEFECTIVE WORKMANSHIP, MATERIALS OR EQUIPMENT FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE. THIS GUARANTEE SHALL INCLUDE ALL COSTS ENCOUNTERED IN THE REPLACING OF DEFECTIVE WORK OR MATERIALS. THE CONTRACTOR SHALL CONVEY TO THE OWNER ANY ADDITIONAL GUARANTIES OR WARRANTIES PROVIDED BY THE MANUFACTURER OF AN INDIVIDUAL ITEM, EQUIPMENT OR MATERIAL.

1. RACEWAY

A. EMT: MAY BE USED FOR ALL BRANCH CIRCUIT WIRING IN AREAS ABOVE GRADE AND WITHIN THE THE BUILDING. ALL EMT SHALL BE GALVANIZED. ALL EMT FITTINGS SHALL BE STEEL WITH SET SCREWS.

B. PVC: SHALL BE SCHEDULE 40 HIGH IMPACT, UL APPROVED, AND SHALL BE INSTALLED UNDERGROUND OR IN THE SLAB.

C. RIGID CONDUIT: SHALL BE USED FOR ALL EXTERIOR INSTALLATION WHERE MECHANICAL DAMAGE IS POSSIBLE.

2. WIRE AND CABLE

A. CONDUCTORS: SHALL BE COPPER. INSULATION SHALL BE TYPE THHN/THWN FOR ALL SIZES. MINIMUM SIZE WIRE NO. 12, CONDUCTORS NO. 10 AND LARGER ARE TO BE STRANDED. BRANCH CONDUIT OUTLETS SHALL BE CONNECTED AS INDICATED.

B. COLOR CODES: CONDUCTORS SHALL BE COLOR CODED THROUGHOUT. SAME COLOR SHALL BE USED FOR BRANCH CIRCUIT WIRING OF A GIVEN PHASE. GROUNDED CONDUCTORS NO. 4 AWG AND LARGER MAY BE BLACK, BUT SHALL BE IDENTIFIED WITH COLORED TAPE IN JUNCTION BOXES, PULL BOXES, PANELS AND SERVICE EQUIPMENT.
   - 120/240V OR 120/208V SYSTEMS
     THREE WIRE CIRCUITS – ONE BLACK, ONE RED AND ONE WHITE
     FOUR WIRE CIRCUITS – ONE BLACK, ONE RED, ONE WHITE, ONE BLUE
   - 277/480V SYSTEMS –ONE BROWN, ONE ORANGE, ONE YELLOW, ONE GRAY
   - CONTINUITY OF NEUTRALS OF MULTI–WIRED BRANCH CIRCUITS SHALL NOT BE MADE ON TERMINALS OF ANY DEVICE. THIS WILL ASSURE NO OPENING OF NEUTRAL IN REPLACEMENT OF DEVICE.

C. SPLICES:
   - #10 AND BELOW – SCOTCHLOK OR EQUAL
   - #8 AND LARGER – NOT ALLOWED

3. BOXES

A. OUTLET BOXES: SECTION WELDED GALVANIZED STAMPED STEEL FOR GANG SIZES REQUIRED. SECTIONAL BOXES WILL NOT BE ACCEPTABLE. BOXES LARGER THAN STANDARD SHALL BE PROVIDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE WHERE NECESSARY TO PREVENT CROWDING OF WIRES.

B. FLOOR BOXES: TO BE CARLON E971FB WITH E97ABR ADAPTER FOR CAST BRONZE COVER PLATES AS MANUFACTURED BY STEEL CITY.

4. WIRING DEVICES

A. MOUNTING HEIGHTS:
   - SWITCHES AT 4'0" OR AS NOTED
   - RECEPTACLES AT 18" OR AS NOTED, COORD WITH ARCH
   - TELEPHONE OUTLETS AT 18" OR AS NOTED

B. WALL SWITCHES: SHALL BE CONTRACTOR GRADE, QUIET–TYPE, HIGH PERFORMANCE SWITCHES RATED AT 15A.277V. COLOR AND SWITCH PLATES AS DIRECTED BY THE OWNER/DECORATOR.

C. RECEPTACLES: SEE GENERAL NOTES ON THIS SHEET FOR REQUIREMENTS.

D. POWER OUTLETS: LEWTON OR SLATER, TYPE AND SIZE AS NOTED.

E. DIMMER SWITCHES: SHALL BE EQUAL TO LUTRON #N – 1500 ML SLIDE DIMMER WITH TOUCH – BUTTON ON/OFF SWITCH WITH LUTRON #N – SML FOR THREE WAY CONTROL. LOW VOLTAGE DIMMERS SHALL BE NOVA SERIES, LOAD COORDINATED AS REQUIRED.

5. DISCONNECT SWITCHES

A. SHALL BE FURNISHED WITH ENCLOSURES AS REQUIRED BY EXPOSURES EITHER NEMA 1 OR 3R AND SHALL BE HORSEPOWER RATED, HEAVY DUTY WITH FUSES AS NOTED.

B. NON–FUSIBLE DISCONNECT SWITCHES: SHALL BE PROVIDED FOR ALL MOTORS LOCATED OUT OF SIGHT OF MOTOR CONTROLLER AND WHERE INDICATED ON THE DRAWINGS. DISCONNECT SWITCHES SHALL DISCONNECT ALL UNGROUNDED CONDUCTORS.

C. FUSES: TO BE FURNISHED FOR FUSIBLE EQUIPMENT. MOTOR FUSES SHALL BE BUS FUSETRONS RATED BETWEEN 125 AND 150 PERCENT OF MOTOR NAME PLATE RATING. FURNISH EXTRA SET OF SPARE FUSES FOR EACH FUSED DISCONNECT INSTALLED. SPARE FUSES TO BE PLACED WITHIN A FUSE CABINET LOCATED IN THE ELECTRIC ROOM.

6. PANELBOARD, LOADCENTER

A. LOADCENTERS SHALL BE AS NOTED ON PLANS WITH COVER AND TYPEWRITTEN DIRECTORY INSIDE OF COVER. PANELBOARDS SHALL BE THE PRODUCT OF CUTLER–HAMMER OR SQUARE D.

7. LIGHTING FIXTURES

A. UNLESS OTHERWISE NOTED, LIGHT FIXTURES WILL BE FURNISHED AND INSTALLED AS INDICATED ON THE LIGHTING FIXTURE SCHEDULE FOR INSTALLATION BY THE ELECTRICAL CONTRACTOR.

8. IDENTIFICATION

A. TAG ALL CONDUCTORS AND IDENTIFY MAJOR CONDUITS IN OR AT WIREWAYS, PANELS, PULLBOXES, SWITCHBOARDS, MOTOR CONTROLLERS, CABINETS AND SIMILAR ITEMS TO ASSIST IN FUTURE CIRCUIT TRACING. CONDUCTOR TAGS SHALL BE NONCONDUCTIVE.

B. IDENTIFY ALL CIRCUITS AND EQUIPMENT TO CORRESPOND WITH THE PLANS AND SPECIFICATIONS.

SCHEDULE OF LOADCENTER

PANELS: A

MAIN: 125 AMP LUGS ONLY PANEL — VOLTAGE: 120/208V, 1ø, 3 WIRE
SPEC: SIEMENS TYPE "EQ–LOADCENTER" OR APPROVED EQUIVALENT — FED FROM: METER
MOUNTING: FLUSH — AIC SYMM: SERIES RATED

DESCRIPTION	TRIP	CKT.	A PHASE KVA	C PHASE KVA	CKT.	TRIP	DESCRIPTION
LIGHTS & RECEPTS ①	20	1	1.5 | 1.8		2	20	MINI SPLIT HVAC SYSTEM
LIGHTS & RECEPTS ①	20	3		1.5 | 1.8	4	2	
LIGHTS & RECEPTS ①	20	5	1.2 | 2.3		6	30	WATER HEATER
LIGHTS & RECEPTS ①	20	7		0.8 | 2.3	8	2	
LIGHTS & RECEPTS ①	20	9	1.5 | 1.8		2	20	MINI SPLIT HVAC SYSTEM
LIGHTS & RECEPTS ①	20	11		1.5 | 1.8	4	2	
LIGHTS & RECEPTS ①	20	13	** | –		14	–	SPACE
LIGHTS & RECEPTS ①	20	15		** | –	16	–	SPACE
LIGHTS & RECEPTS ①	20	17	** | –		18	–	SPACE
LIGHTS & RECEPTS	–	19		– | –	20	–	SPACE
LIGHTS & RECEPTS	–	21	– | –		22	–	SPACE
LIGHTS & RECEPTS	–	23		– | –	24	–	SPACE

**LIGHTING & RECEPTACLES @ 3 WATTS/SQFT	11.6 | 11.9	KVA PER PHASE (NON–DIVERSIFIED)
600 SQFT x 3 VA = 1.8 KVA	1.8	LTG & RECEPT LOAD KVA
	25.3	TOTAL NON–DIVERSIFIED LOAD
	21.7	NON DIVERSIFIED LOAD LESS HVAC LOADS
	10.0	1ST 10 KVA @ 100%
	4.7	REMAINDER @ 40%
	3.6	KVA PER PHASE LARGEST (HVAC)
	18.3	TOTAL DIVERSIFIED KVA
① PROVIDE ARC–FAULT TYPE CIRCUIT BREAKER	88.0	TOTAL AMPS

SCHEDULE OF LOADCENTER

PANELS: B

MAIN: 125 AMP LUGS ONLY PANEL — VOLTAGE: 120/208V, 1ø, 3 WIRE
SPEC: SIEMENS TYPE "EQ–LOADCENTER" OR APPROVED EQUIVALENT — FED FROM: METER
MOUNTING: FLUSH — AIC SYMM: SERIES RATED

DESCRIPTION	TRIP	CKT.	A PHASE KVA	C PHASE KVA	CKT.	TRIP	DESCRIPTION
LIGHTS & RECEPTS ①	20	1	1.5 | 1.8		2	20	MINI SPLIT HVAC SYSTEM
LIGHTS & RECEPTS ①	20	3		1.5 | 1.8	4	2	
LIGHTS & RECEPTS ①	20	5	1.2 | 2.3		6	30	WATER HEATER
LIGHTS & RECEPTS ①	20	7		0.8 | 2.3	8	2	
LIGHTS & RECEPTS ①	20	9	1.5 | 1.8		2	20	MINI SPLIT HVAC SYSTEM
LIGHTS & RECEPTS ①	20	11		1.5 | 1.8	4	2	
LIGHTS & RECEPTS ①	20	13	** | –		14	–	SPACE
LIGHTS & RECEPTS ①	20	15		** | –	16	–	SPACE
LIGHTS & RECEPTS ①	20	17	** | –		18	–	SPACE
LIGHTS & RECEPTS	–	19		– | –	20	–	SPACE
LIGHTS & RECEPTS	–	21	– | –		22	–	SPACE
LIGHTS & RECEPTS	–	23		– | –	24	–	SPACE

**LIGHTING & RECEPTACLES @ 3 WATTS/SQFT	11.6 | 11.9	KVA PER PHASE (NON–DIVERSIFIED)
600 SQFT x 3 VA = 1.8 KVA	1.8	LTG & RECEPT LOAD KVA
	25.3	TOTAL NON–DIVERSIFIED LOAD
	21.7	NON DIVERSIFIED LOAD LESS HVAC LOADS
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	4.7	REMAINDER @ 40%
	3.6	KVA PER PHASE LARGEST (HVAC)
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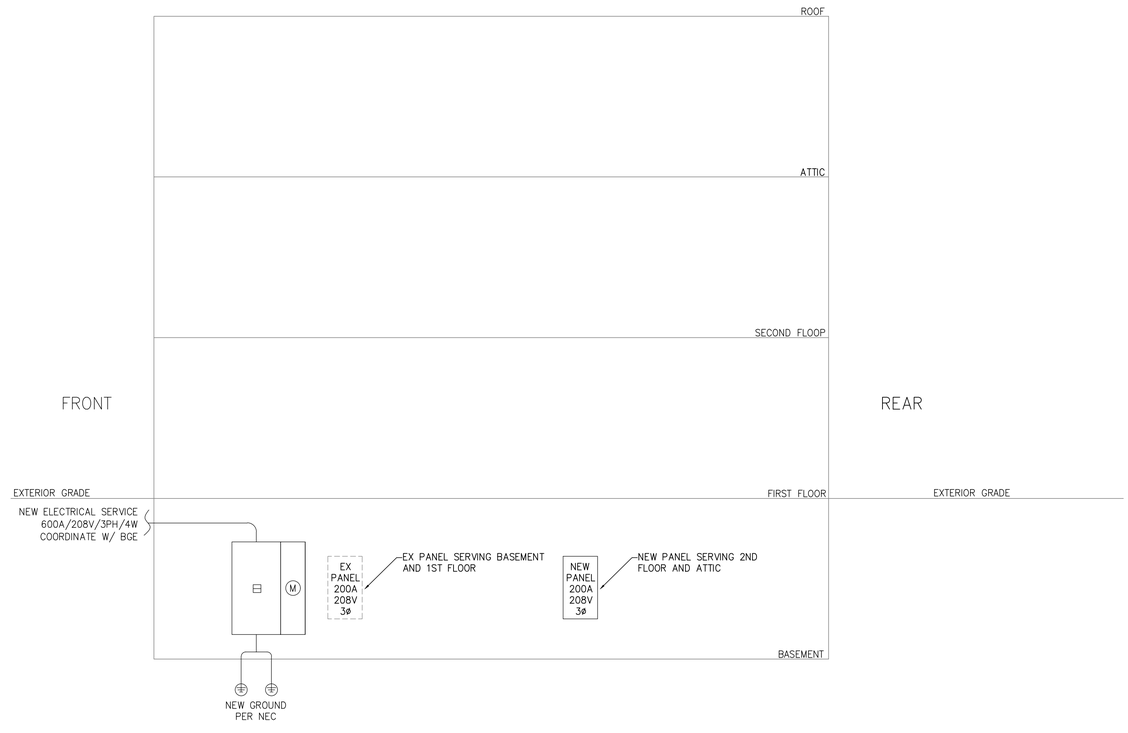
① PROVIDE ARC–FAULT TYPE CIRCUIT BREAKER	88.0	TOTAL AMPS



1 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
$	SINGLE POLE TOGGLE SWITCH MOUNTED 4'–0" AFF
$3	THREE WAY TOGGLE SWITCH MOUNTED 4'–0" AFF
$K	KEYED LIGHT SWITCH MOUNTED 4'–0" AFF
OC	CEILING MOUNTED OCCUPANCY SENSOR
	DUPLEX RECEPTACLE 120V, 20A, 18" AFF, UON
WP	DUPLEX GFI RECEPTACLE 120V, 20A, 18" AFF, UON WP= WEATHERPROOF COVER
	DUPLEX RECEPTACLE 120V, 20A, 44" AFF, UON
	DISCONNECT, VOLTAGE & SIZE AS NOTED.
	PANEL, SIZE & VOLTAGE – SEE PANEL SCHEDULE.
S	SMOKE/CARBONMONOXIDE DETECTOR
	EXHAUST FAN
	ELECTRIC BASEBOARD HEATER
	HOME RUN TO PANEL BOARD
	INTERNALLY ILLUMINATED EXIT SIGN
	EMERGENCY LIGHT/ EXIT SIGN COMBO FIXTURE
	EMERGENCY LIGHT FIXTURE
	LED SURFACE MOUNTED RECESSED STYLE LIGHT FIXTURE
	LED BATHROOM VANITY LIGHT FIXTURE
	LED SURFACE MOUNTED LIGHT FIXTURE

NOTES:

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KIDZ STUFF CHILD CARE CENTER
1010 EAST 43RD STREET, BALTIMORE, MD 21212
ELECTRICAL SPECIFICATIONS

SCALE: NO SCALE

DRAWING NO: E-1

GENERAL NOTES

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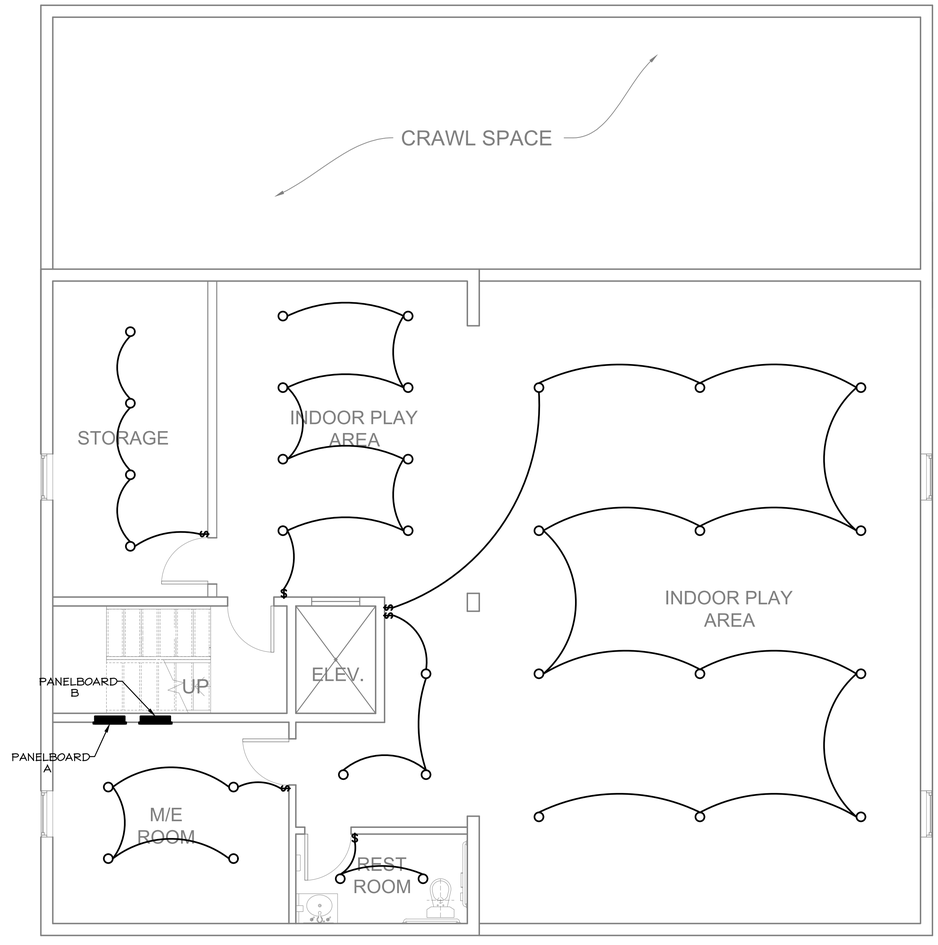
2. DRAWINGS ARE DIAGRAMMATICAL BY NATURE AND SHOULD NOT BE SCALED.
3. ALL CONTRACTORS PRIOR TO BID SUBMISSION PROCESS SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITIONS THAT DIFFER FROM THAT SHOWN ON THIS PLAN SHALL BE REPORTED TO ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATIONS TO SCOPE OF WORK WHICH RESULTS FROM CONTRACTORS NEGLECT TO VISIT WORK SITE PRIOR TO SUBMITTING BID, SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY.
4. EXISTING PIPING SHALL BE VERIFIED IN-FIELD.



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BASEMENT - ELECTRICAL PLANS

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

DRAWING NO:
E-2

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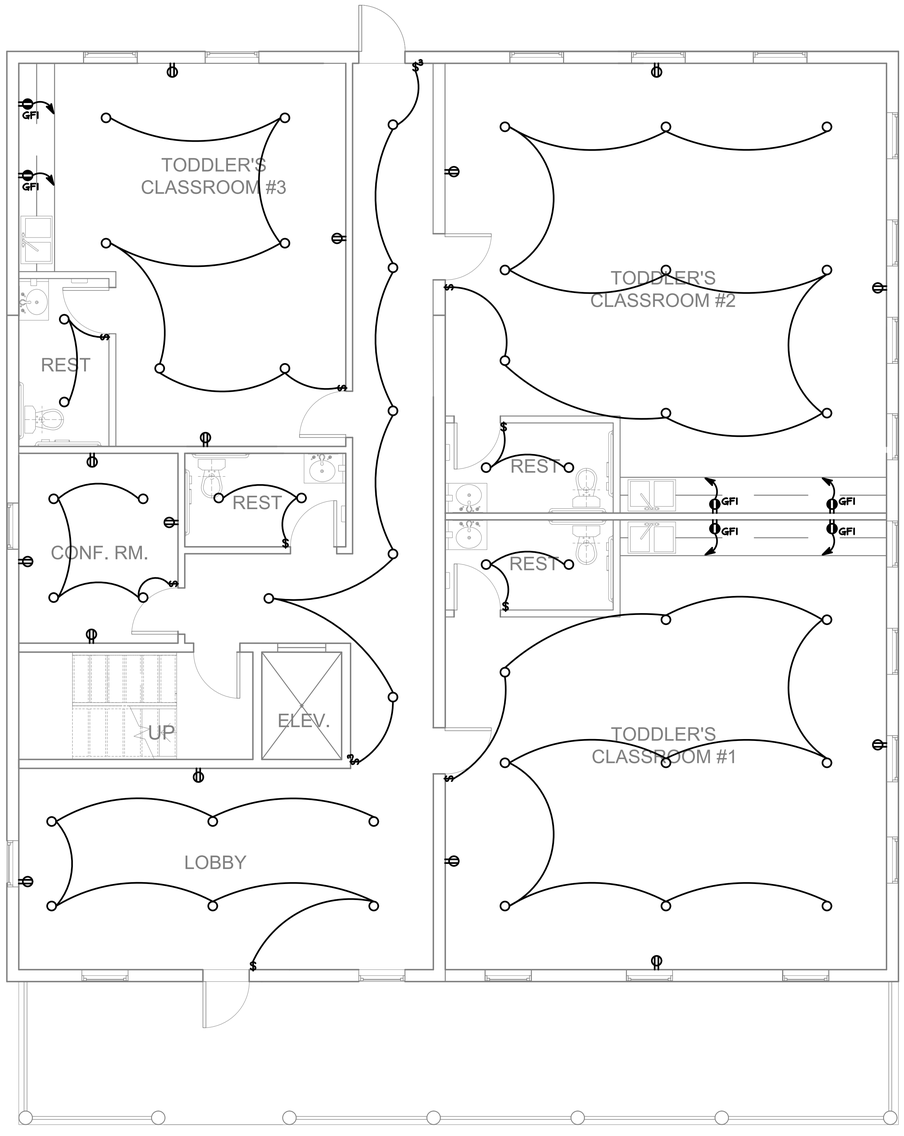

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1ST FLOOR - ELECTRICAL PLANS

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

DRAWING NO:
E-3

GENERAL NOTES

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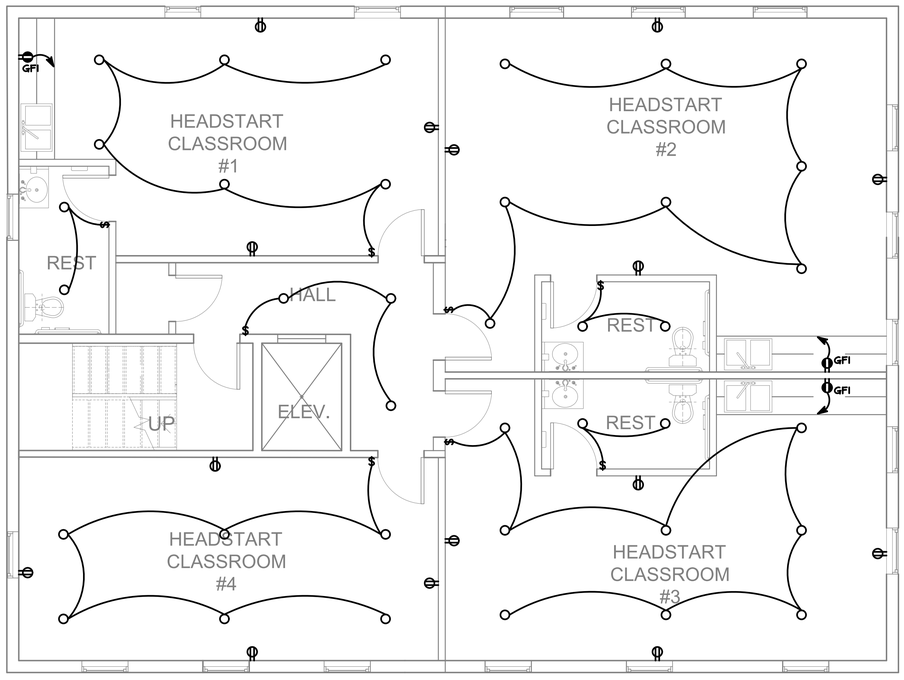

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2ND FLOOR - ELECTRICAL PLANS

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

DRAWING NO:
E-4

GENERAL NOTES

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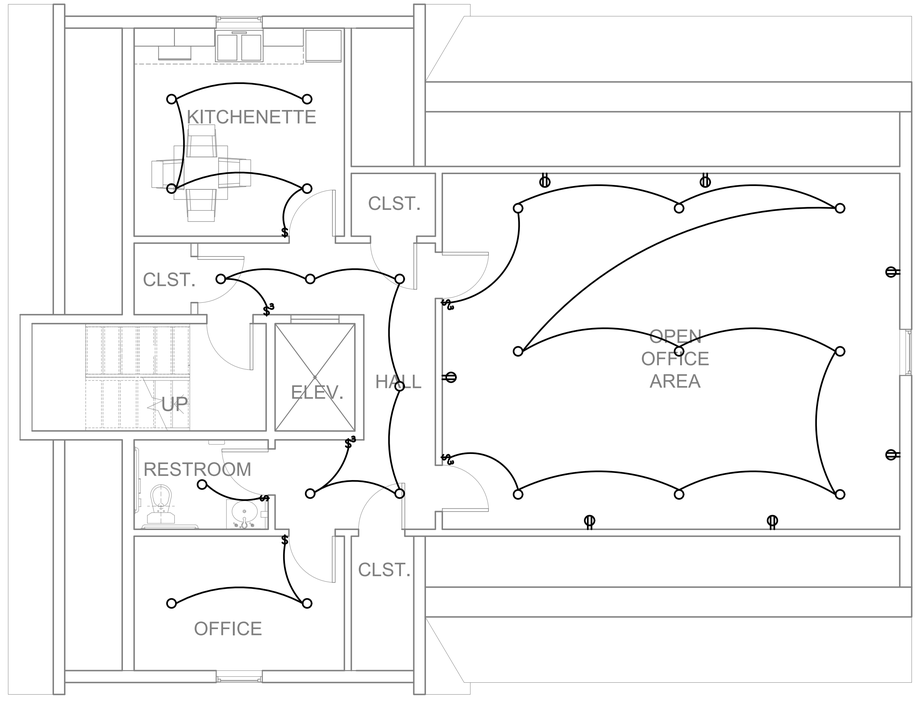

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ATTIC - ELECTRICAL PLANS

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

DRAWING NO:
E-5

PLUMBING SPECIFICATIONS

1. SCOPE

A. PLUMBING CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE SANITARY SEWER SYSTEM (INCLUDING SOIL AND VENT PIPING), WATER SERVICE, CONNECTION TO WATER METER, TAP VALVES, BOXES, HOT AND COLD WATER SUPPLY SYSTEM, PLUMBING FITTINGS, FIXTURES AND TRIM; AND ALL RELATED FITTINGS AND CONTROLS.

B. WATER METER FEES BY OWNER.

C. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE PART OF THIS CONTRACT.

2. CODES AND STANDARDS

ALL WORK, MATERIALS AND EQUIPMENT SUPPLIED AND INSTALLED UNDER THIS DIVISION SHALL COMPLY WITH THE LATEST EDITION OF THE IBC OR MBPS CODES AS AMENDED BY THE LOCAL GOVERNING BODY.

3. SUBMITTALS

SEE SCHEDULE ON DRAWINGS.

4. PERMITS AND INSPECTIONS

ALL PERMITS AND FEES FOR PERMITS AND INSPECTIONS SHALL BE PAID FOR BY THIS CONTRACTOR.

5. MATERIALS

A. SANITARY WASTE: PVC (WHERE ALLOWED BY CODE), DUCTILE IRON & CAST IRON, DWV TYPE PIPE AND FITTINGS.

a) BELOW FINISHED FIRST SLAB – SCHEDULE 40 DWV (FOAMCORE, CELLURCORE NOT ALLOWED)

b) ABOVE FINISHED FIRST FLOOR SLAB FOR SECOND FLOOR WASTE TO BE CAST IRON "NO-HUB"

B. ROOF DRAINS: PVC (WHERE ALLOWED BY CODE), DUCTILE IRON & CAST IRON, DWV TYPE PIPE AND FITTINGS.

a) BELOW FINISHED FIRST FLOOR SLAB – SCHEDULE 40 DWV (FOAMCORE, CELLURCORE NOT ALLOWED)

b) ABOVE FINISHED FIRST FLOOR SLAB TO BE CAST IRON "NO-HUB

C. DOMESTIC WATER PIPING

a) ABOVE GRADE – TYPE "L" COPPER SWEATED OR FLANGED

D. VENT LINES TO BE SCHEDULE 40 PVC.

E. JOINTS TO BE WROUGHT OR CAST BRONZE. LEAD FREE SOLDER IS TO BE USED ON ALL JOINTS.

F. PROVIDE AND INSTALL PLUMBING FIXTURES AS SCHEDULED ON DRAWINGS. COMPLETE SYSTEM (FIXTURES AND EQUIPMENT) SHALL BE GIVEN AN IN-SERVICE TEST AFTER COMPLETION OF INSTALLATION.

G. UNDERGROUND VALVES SHALL BE INSTALLED IN PRECAST CONCRETE BOXES.

6. INSTALLATION

A. USE MANUFACTURER'S TEMPLATES. CAULK WHERE REQUIRED. PROVIDE BLOCKING FOR ALL FIXTURES AS REQUIRED. ALL WATER PIPING WITHIN THE BUILDING SHALL BE COPPER AND RUN CONTINUOUS ABOVE THE CEILING. NO JOINTS BELOW SLAB. ALL PIPING SHALL BE PROPERLY SUPPORTED WITH HANGERS OF COMPATIBLE MATERIAL AND ALL WATER PIPES PASSING THROUGH CONCRETE SHALL BE SLEEVED TO PREVENT CHEMICAL REACTIONS.

B. ALL HOT & RETURN WATER PIPING TO BE INSULATED. MATERIAL TO BE 1" SECTIONAL GLASS FIBER WITH FACTORY APPLIED, ALL PURPOSE, FIRE RETARDANT JACKET. INSTALL PER MANUFACTURERS RECOMMENDATIONS.

C. VERIFY INVERTS OF SEWER AND DRAINAGE CONNECTIONS BEFORE INSTALLING SEWER LINES. BUILDING DRAINAGE SYSTEM IS BASED ON 1/8"FT. MIN. SLOPE.

D. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.

E. HOSE BIBBS SHALL BE INSTALLED WHERE INDICATED ON THE DRAWINGS AND SHALL HAVE SEPARATE 3/4" MAIN FEED. HOSE BIBBS SHALL HAVE HOSE CONNECTION VACUUM BREAKER. FASTEN SECURELY TO WALL. INSTALL 18" ABOVE FINISHED SLAB.

7. CLEAN-UP

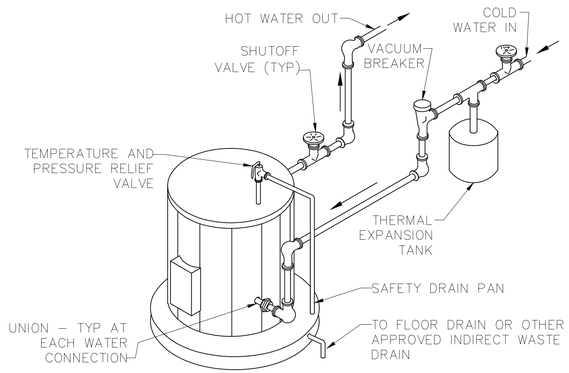
ON COMPLETION OF WORK, REMOVE ALL EXCESS MATERIAL, EQUIPMENT AND DEBRIS. POLISH ALL PLATED OR POLISHED FITTINGS. LEAVE WORK IN CLEAN CONDITION PER GENERAL CONDITIONS.

8. GUARANTEE

THE PLUMBING CONTRACTOR SHALL DELIVER TO OWNER A WRITTEN GUARANTEE THAT THE PLUMBING WORK IS FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR, FROM THE DATE OF FINAL ACCEPTANCE, AND WILL REPAIR OR REPLACE ALL WORK WHICH BECOMES DEFECTIVE (NOT DUE TO ORDINARY USE) AT NO EXPENSE TO THE OWNER.

PLUMBING FIXTURE SCHEDULE

TAG	FUNCTION	CONNECTION SIZES					REMARKS
		CW	HW	SAN	VENT	GAS	
WC-1	FLUSH TANK WATER CLOSET	1/2"	–	3"	2"	–	COORDINATE WITH ARCH/OWNER FOR FIXTURE SPECS. 1.28 GPF MAX.
L-1	LAVATORY SINK	1/2"	1/2"	2"	2"	–	COORDINATE WITH ARCH/OWNER FOR FIXTURE SPECS. 1.5 GPM MAX.
S-1	SINK	1/2"	1/2"	2"	2"	–	COORDINATE WITH ARCH/OWNER FOR FIXTURE SPECS. 1.8 GPM MAX.
WH-1	WATER HEATER	3/4"	3/4"	–	–	–	'A.O. SMITH' MODEL: ENT-40, WATER HEATER, 4.5 KW, 38 GALLON CAPACITY, 19" OUTER JACKET DIAMETER, TOP WATER CONNECTIONS.



X WATER HEATER DETAIL
NOT TO SCALE

PLUMBING LEGEND

S-1	FIXTURE/EQUIPMENT TAG (SEE FIXTURE SCHEDULE)
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC HOT WATER RECIRC. PIPING
	NATURAL GAS PIPING
	SANITARY WASTE PIPING
	SANITARY VENT PIPING
	STORM WATER PIPING
	TOILET FLANGE
FD/AD	FLOOR DRAIN / AREA DRAIN
WCO	WALL CLEAN OUT
FCO	FLOOR CLEAN OUT
GCO	GROUND CLEAN OUT
	PIPE UP
	PIPE DOWN
	DOMESTIC HOT WATER RECIRCULATION PUMP
	BACKFLOW PREVENTER
	SHUTOFF VALVE
	CONNECTION POINT TO EXISTING

NOTES:

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ELECTRICAL SPECIFICATIONS

SCALE:
NO SCALE

DRAWING NO:
P-1

GENERAL NOTES

1. COORDINATE FIXTURE SCHEDULE WITH OWNER/ARCH FOR EXACT REQUIRED SPECS.
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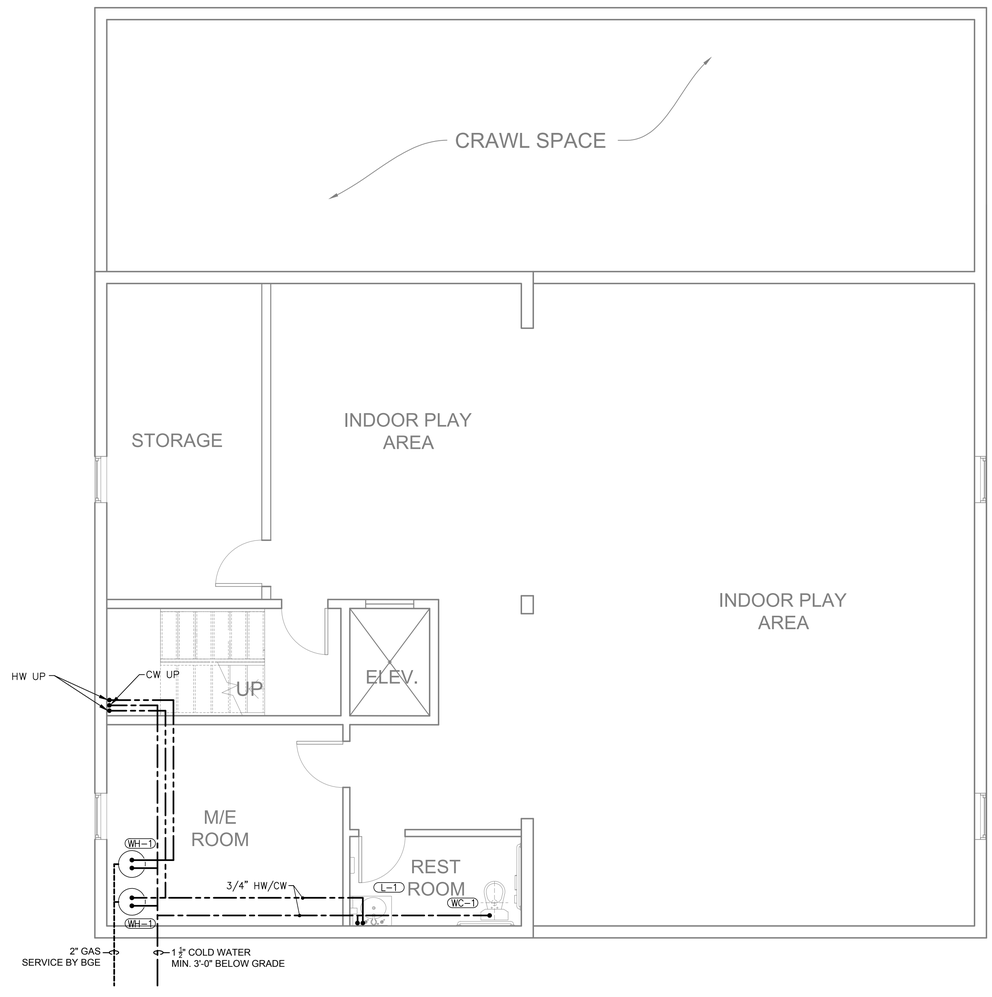

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KIDZ STUFF CHILD CARE CENTER

1010 EAST 43RD STREET, BALTIMORE, MD 21212

BASEMENT - PLUMBING PLAN

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

DRAWING NO:
P-2

GENERAL NOTES

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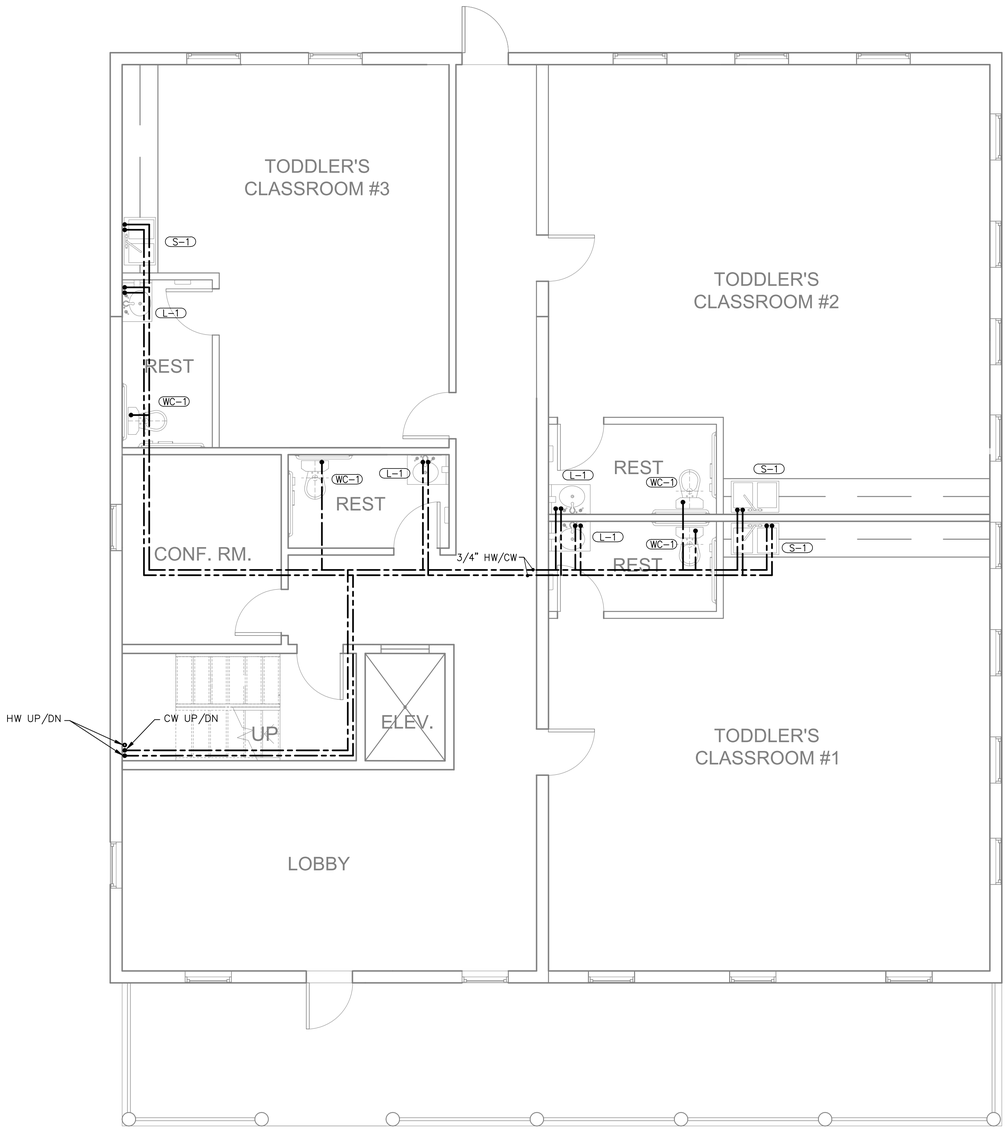

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1ST FLOOR - PLUMBING PLAN

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

DRAWING NO:
P-3

GENERAL NOTES

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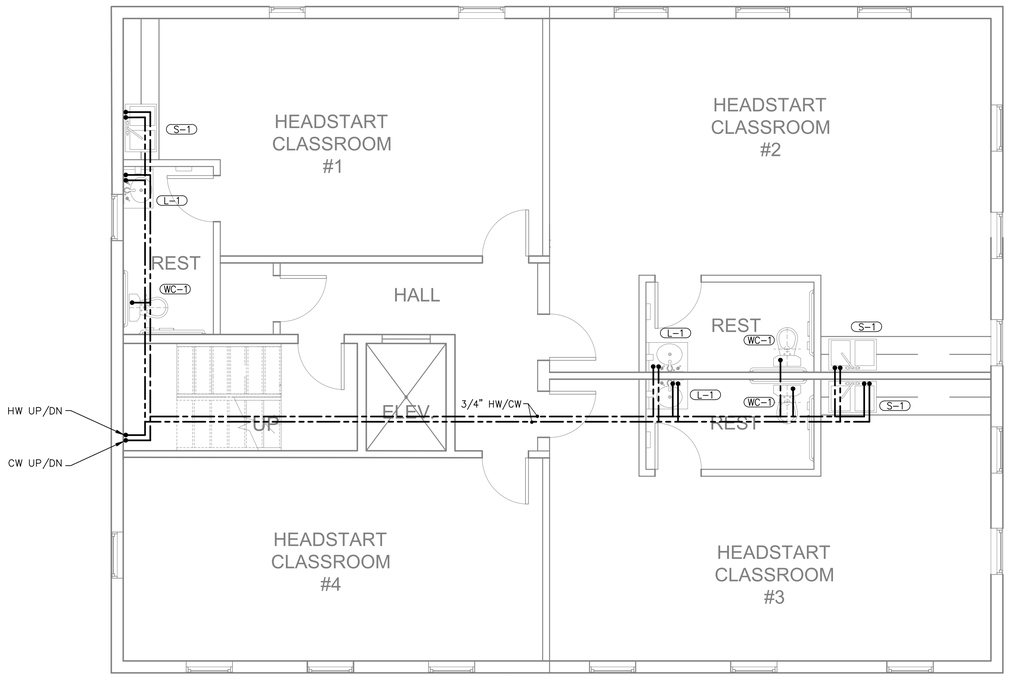

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2ND FLOOR - PLUMBING PLAN

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

DRAWING NO:
P-4

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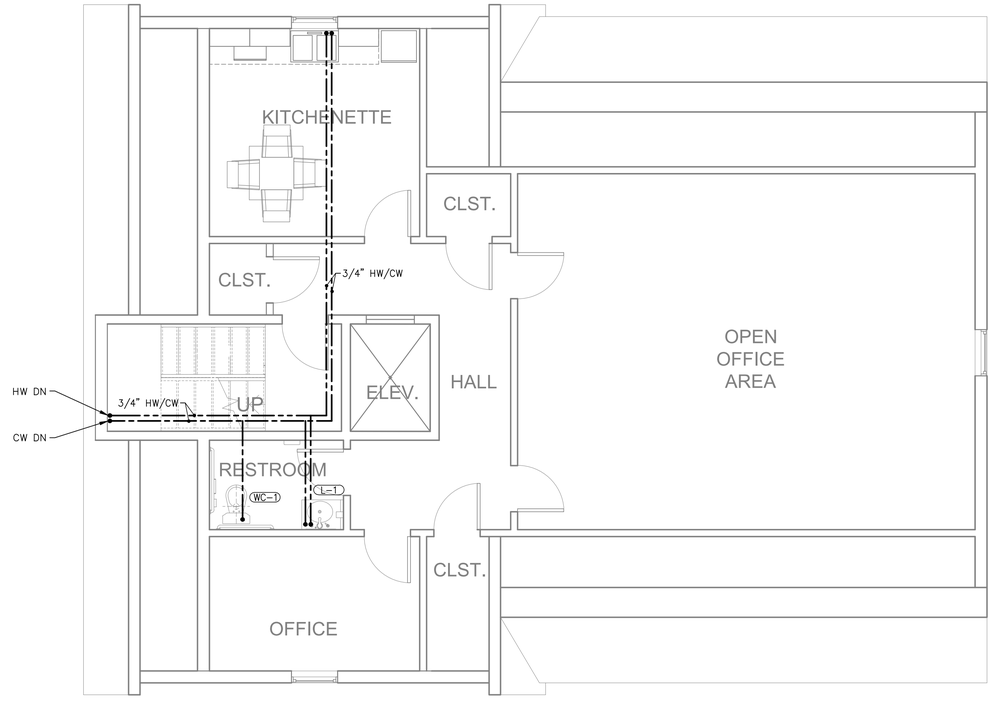

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ATTIC - PLUMBING PLAN

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

DRAWING NO:
P-5