Project Data Sheet

Proposed projects that are to be reviewed by the GGNA Zoning & Planning Committee must provide the following information:

Project Name: 2309 N Maplewood Ave

Date: 11/26/2021

Project Address: 2309 N Maplewood Ave

Proposed Zoning: RT-4

Developer/Owner: Brad Huff & Anne Marie Jensen

Current Zoning: RS-3

Architect: Tim Kress, AIA

Zoning of Adjacent Area: RS-3

Contact Phone Number (317) 417-9400

Email bradleyrhuff@gmail.com

Proposed Variences

n/a

Dwelling Units: 1

Type: Owner Occupied SFH

Lot Dimensions: 110' x 27' ft. x ft.

Lot Area: 2,970 s.f.

Proposed Floor Area: 3,242 s.f. (new) 3,082 s.f. (existing) 160 s.f. (addition)

FAR: 1.04 (existing) 1.09 (proposed) Building area excluded from FAR: 0 s.f.

Green space (unpaved): 1,492 s.f. 50 % of lot area

Proposed MLA: 2,970 Allowed MLA: 1,650

Proposed Parking: 2 spaces Zoning Required Parking: 1 spaces

Building Height Proposed: 28.75 ft. Allowed: 38 ft. At highest point: 33.75 ft.

Proposed front yard setback: 16.2 ft. Required front yard setback: 13 ft.

Proposed side yard setback: 1.4 & 5 ft. Required side yard setback: 2 ft.

Proposed rear yard setback: 41 ft. Required rear yard setback: 33 ft.

Are there any existing buildings on site? Yes describe: Existing Single Family Home (Owner Occupied)

Will any (or all) be demolished? No

Other Remarks: Proposal is for a second floor renovation of an existing owner-occupied single family home.

A PDF file of the Project Data Sheet & requested architectural materials (listed below) for each project should be e-mailed to Community Chair ggnazapc@gmail.com at least one week before the meeting date.

Nine (9) copies of the Project Data Sheet & requested architectural materials (listed below) should be brought to the meeting for the ZAPC members.

a.) Small scale context footprint. This should show how the project will fit in with the surrounding properties 100 ft. on each side. Pictures of the site and adjacent properties are helpful.

b.) A Site plan with setbacks (especially showing setbacks to adjacent neighboring properties), landscaping, fences, garages, parking, curb cuts and sidewalks

c.) Zoning Data as shown on the Project Data Sheet

d.) Measured site plan with the following:

New building(s) to be shaded gray

Landscaped areas to be shaded light green. Show proposed and existing trees and shrubbery on property and parkway.

Streets and alleys to be labeled.

Building(s) and setbacks to be clearly dimensioned.

Show outline of existing building(s) to remain on property and building(s) on properties adjacent to project. If not practical, a partial outline is acceptable for adjacent properties.

Clearly show dimensioned parking spaces, bike storage, trash containers/enclosures and fences.

e.)Floor plans with the following:

Provide floor plans of each floor with overall dimensions.

Label and dimension all rooms.

For floors with identical layouts, just provide one plan and note the floors in drawing label.

Label square footage of each unit and each floor.

f.) Exterior elevations with the following:

Provide exterior elevations showing doors, windows, railings and other architectural elements.

Dimension all elevations with overall heights, floor to floor heights and floor to ceiling heights.

Include elevation benchmarks at each floor, roof, top of parapets or ridge and the top of any stair/elevator tower.

Label major finish materials on elevations.

g.) Relevant isometric renderings showing adjacent properties for context.

f. Outline of development team

h.) Ultimate property use and type of ownership

i.) Any relevant information about the historic use and nature of any existing buildings on the property.

j.) Provide product info and if possible sample of exterior finish materials with proposed color and texture for meetings.

2309 N. Maplewood Ave.
Architectural Material

a) Context Footprint (see attachment A) and Site Photos (see attachment B)

b) Site Plan (see attachment C, plan sheet A1.0). Additional information as followed.

c) Zoning Data (see attached project data sheet)

d) Measured site plan (see attachment C, plan sheet A1.0). Additional information as followed.
- Existing garage, porch, property fence and house are to remain.
- Second floor ceiling to be raised and provide additional 160 sq. ft to second floor.
- Property does not have proposed landscaping. No impacts to existing tree in parkway.
- Property improvements will not require additional curb cuts or impact the following elements beyond the property line, parking, bike storage, trash receptacles, and fence.
- Upsizing the water service is required. Sidewalk in public way impacted by new water service (TBD) will be replaced in kind.

e) Floor Plans (see attachment C, plan sheet A1.0 – floor square footage, plan sheet A2.0 - existing basement & first floor, plan sheet A2.1 - proposed second floor)

f) Exterior Elevations (see attachment C, plan sheet A3.0)

g) Isometric Rendering (see attachment D). Additional information as followed.
- Rendering shows the porch being improved, but the existing porch will remain.
- Rendering shows the siding as white, but siding will be light-medium grey.

h) Development Team
- Brightleaf Homes (not present)
- Scott Sanders: Owner, Tim Kress: Architect
- Contact Information: phone 630-523-8408, email info@brightleafhomes.com
- Address: 15 Spinning Wheel Rd Ste 124, Hinsdale, IL 60521
- Website: https://brightleafhomes.com/

i) Ultimate Property Use and Type of Ownership
- Residential RT-4
- Single property owner

j) Historic Use and Nature Use of Existing Building
- Historic / nature use – single family residential home since 1883

k) Exterior material (see attachment C, plan sheet A3.0). Additional information as followed.
- Siding color on house and garage will be light-medium grey.
- Metal roof at porch and asphalt shingle roof at house will be dark grey.

2309 N. Maplewood Ave.

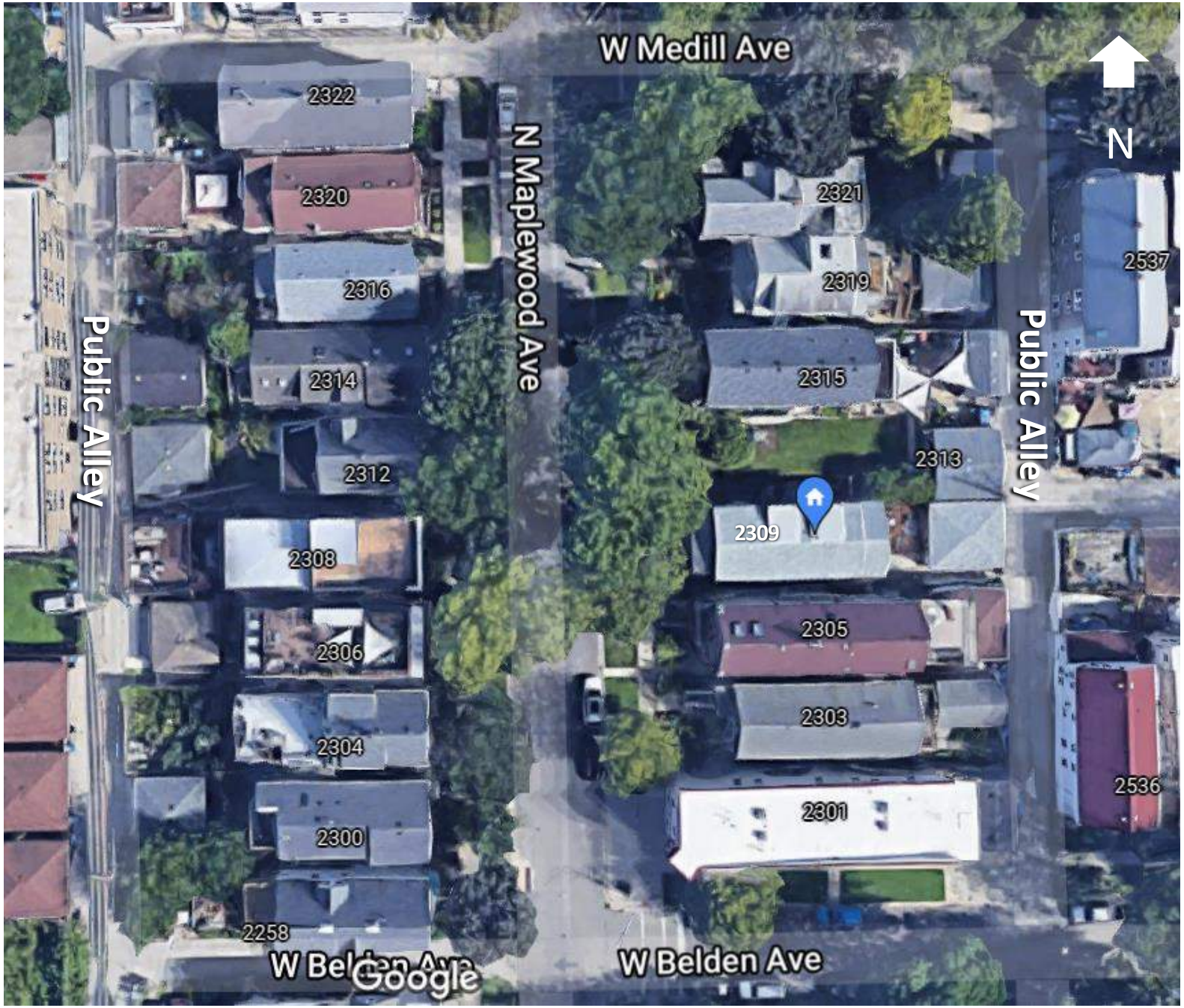
Attachment A: Context Footprint

0 15 30 60 90 120
Feet

2309 N. Maplewood Ave.

Attachment B: Site Photos

2309 N. Maplewood Ave.
Aerial View (not to scale)



2309 N. Maplewood Ave.
Viewing East

2309 N. Maplewood Ave.
Viewing Southeast

2309 N. Maplewood Ave.
Viewing Northeast

2309 N. Maplewood Ave.
Viewing Northeast

2309 N. Maplewood Ave.
Viewing Southwest

2309 N. Maplewood Ave.
Viewing Northwest

2309 N. Maplewood Ave.

Attachment C: Home Renovation Plans

NEW HIGH PERFORMANCE HOME RENOVATION

2309 NORTH MAPLEWOOD AVENUE, CHICAGO, IL

OWNER

BRAD HUFF AND ANNE MARIE JENSEN
2309 NORTH MAPLEWOOD AVENUE,
CHICAGO, IL

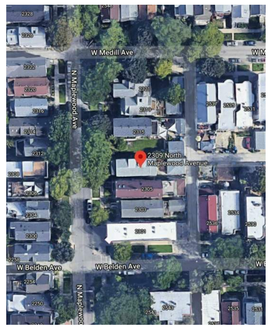
ARCHITECT

TIMOTHY J. KRESS, A.I.A
C/O BRIGHTLEAF HOMES
15 SPINNING WHEEL ROAD, SUITE 124
HINSDALE, ILLINOIS 60521
630.474.5323.

GENERAL CONTRACTOR

BRIGHTLEAF HOMES
15 SPINNING WHEEL ROAD, SUITE 124
HINSDALE, ILLINOIS 60521
630.474.5323

LOCATION MAP



GENERAL NOTES

- REPRODUCTION OF THESE PLANS IN WHOLE OR IN PART IS STRICTLY PROHIBITED WITHOUT WRITTEN PERMISSION FROM BRIGHTLEAF HOMES.
- THE ARCHITECT IS NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR SAFETY PRECAUTIONS IN CONNECTION WITH THE CONSTRUCTION OF THIS PROJECT, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITIES.
- THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
- DIMENSIONS NOTED ARE TO THE FACE OF THE STUDS.
- DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS; DO NOT SCALE DRAWINGS TO DETERMINE ANY DISTANCES.
- ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE BUILDING CODES & LOCAL RESTRICTIONS.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE OCCUPANTS & WORKERS AT ALL TIMES.
- THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO ANY WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES BEFORE CONTINUING WITH WORK.
- ALL VERTICAL PENETRATIONS AND ALL HORIZONTAL PENETRATIONS BORED INTO WALL STUDS MUST BE FIRE STOPPED.
- CONSTRUCTION FENCE IS REQUIRED AROUND ALL EXCAVATION, DEMO AND CONSTRUCTION SITES IN ORDER TO PROTECT THE PUBLIC, FENCES SHALL BE 6 FEET HIGH AND FULLY SAND BAGGED OR POSTS DRIVEN DOWN 3 FEET TO PREVENT WIND FROM BLOWING THE FENCE DOWN AND CREATING A NUISANCE.
- SIDEWALK CANOPIES WILL BE REQUIRED FOR ALL CONSTRUCTION WORK ABUTTING PUBLIC WALK OR DRIVEWAYS IN ORDER TO ENSURE PROTECTION FOR PEDESTRIANS AND PUBLIC PROPERTY.
- TEMPORARY TOILET FACILITIES WILL BE PROVIDED BY CONTRACTORS ON SITE IF THE STRUCTURE

BUILDING CODES USED

- CHICAGO CONSTRUCTION CODES
- CHICAGO BUILDING CODE
- CHAPTER 3 OF THE CHICAGO CONVEYANCE DEVICE CODE
- CHICAGO ELECTRICAL CODE
- CHICAGO FIRE PREVENTION CODE
- CHICAGO FUEL GAS CODE
- CHICAGO MECHANICAL CODE
- CHICAGO ENERGY CONSERVATION CODE
- CHICAGO PLUMBING CODE

SHEET INDEX

DESCRIPTION OF WORK:

EXISTING 2 STORY SINGLEFAMILY HOME TO HAVE THE SECOND FLOOR TO BE DEMOLISHED IN ENTIRETY DOWN TO THE 2ND FLOOR SUBFLOOR. ALL ELECTRICAL, PLUMBING, AND HVAC PIPING TO BE MODIFIED AS REQUIRED FOR NEW LAYOUT. NEW WORK TO INCLUDE AN EXISITNG 2 STORY FAMILY HOME WITH NEWLY RENOVATED SECOND FLOOR. WALL LAYOUT AND ROOF TO BE BUILT TO RESEMBLE ELEVATIONS . THE RENOVATION TO BE BUILT TO BRIGHTLEAF HIGH -ENERGY CONSTRUCTION STANDARDS DETAILED IN THE DRAWING SET. 2 WINDOWS TO BE REPLACED ON THE FIRS FLOOR.

2018 INTERNATIONAL ENERGY CONSERVATION CODE REQUIREMENTS

CLIMATE ZONE: 5A
A PERMANENT CERTIFICATE SHALL BE POSTED ON OR IN THE ELECTRICAL DISTRIBUTION PANEL SHOWING COMPLIANCE WITH THE 2018 INTERNATIONAL ENERGY CODE. CERTIFICATE SHALL LIST THE PREDOMINANT R-VALUES OF THE INSULATION INSTALLED IN ALL COMPONENTS OF THE BUILDING THERMAL ENVELOPE, DUCTS OUTSIDE THE THERMAL ENVELOPE, AND U-FACTORS FOR ALL FENESTRATION, ALONG WITH RESULTS OF AIR LEAKAGE TESTING PERFORMED ON THE HOME. THE CERTIFICATE SHALL ALSO LIST THE EFFICIENCIES OF ALL HEATING AND COOLING EQUIPMENT INCLUDING WATER HEATER.
MINIMUM INSULATION REQUIREMENTS: SEE TABLE 402.1.1 BELOW
ATTIC ACCESS PANEL SHALL BE WEATHERSTRIP AND INSULATED TO R49. PROVIDE A CONTINUOUS WOOD FRAMED RETAINER AT THE ACCESS PANEL TO PREVENT LOOSE FILL INSULATION FROM SPILLING INTO LIVING SPACE. PROVIDE A WOOD PLATFORM ABOVE INSULATION DEPTH TO SUPPORT ACCESS PANEL WHEN OPEN AND 2X12 CATWALK ABOVE INSULATION TO PROVIDE ACCESS TO ALL MAJOR AREAS OF THE ATTIC.
FLOOR INSULATION SHALL MAINTAIN PERMANENT CONTACT WITH UNDERSIDE OF SUBFLOOR DECKING
BUILDING THERMAL ENVELOPE - THE FOLLOWING AREAS SHALL BE AIR SEALED WITH ONE OF THE FOLLOWING METHODS - CAULKED, GASKETED, WEATHERSTRIP OR OTHERWISE SEALED WITH AN AIR BARRIER:

- ALL JOINTS, SEAMS AND PENETRATIONS
- SITE-BUILT WINDOWS, DOORS AND SKYLIGHTS
- OPENINGS BETWEEN WINDOW AND DOOR FRAMES AND THEIR RESPECTIVE FRAMING
- UTILITY PENETRATIONS
- DROPPED CEILINGS OR CHASES ADJACENT TO THE THERMAL ENVELOPE
- KNEE WALLS
- WALLS AND CEILINGS SEPARATING A GARAGE FROM CONDITIONED SPACES
- BEHIND TUBS AND SHOWERS ON EXTERIOR WALLS
- COMMON WALLS BETWEEN DWELLING UNITS
- ATTIC ACCESS OPENINGS
- RIM JOIST JUNCTION
- OTHER SOURCES OF INFILTRATION

HEATING AND COOLING EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ACCA MANUAL S BASED ON BUILDING LOADS CALCULATED IN ACCORDANCE WITH ACCA MANUAL J OR OTHER APPROVED HEATING AND COOLING CALCULATION METHODOLOGIES.

PROVIDE TIGHT FITTING FLUE DAMPERS AND COMBUSTION AIR FOR ALL NEW WOOD BURNING FIREPLACES
ALL RECESSED LIGHT FIXTURES IN THERMAL BARRIER SHALL BE IC-RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE NOT MORE THAN 2.0 CFM WHEN TESTED IN ACCORDANCE WITH ASTM E283 WHEN TESTED AT A 1.57 PSF (75 PA) PRESSURE DIFFERENTIAL, AND SEALED BETWEEN THE HOUSING AND INTERIOR SURFACE WITH GASKET OR CAULK.
PROVIDE A SETBACK THERMOSTAT FOR ALL FORCED AIR FURNACE SYSTEMS, WITH INITIAL SET POINTS OF NO GREATER THAN 70 DEGREES FOR HEATING AND NOT LESS THAN 78 DEGREES FOR COOLING.
SEAL ALL DUCTS, AIR HANDLERS, FILTER BOXES TO COMPLY WITH M1601.4.1 OF THE IRC. BUILDING FRAME CAVITIES SHALL NOT BE USED AS SUPPLY DUCTS.
ALL DUCTWORK IN UNCONDITIONED SPACES MUST BE TESTED FOR AIR LEAKAGE AND INSULATED TO R-8.
ALL MECHANICAL PIPING CAPABLE OF CARRYING FLUIDS ABOVE 105 DEGREES OR BELOW 55 DEGREES SHALL BE INSULATED TO R-3
ALL CIRCULATING HOT WATER PIPING SHALL BE INSULATED TO R-3 AND INCLUDE AN AUTOMATIC OR READILY ACCESSIBLE MANUAL SWITCH TO TURN OFF RETICULATION PUMP WHEN NOT IN USE.
A MINIMUM OF 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS, COMPACT FLUORESCENT LAMPS, T-8 LINEAR FLUORESCENT OR LAMPS WITH MINIMUM EFFICACY AS FOLLOWS:

- 60 LUMENS PER WATT FOR LAMPS OVER 40 WATTS
- 50 LUMENS PER WATT FOR LAMPS OVER 15 WATTS AND LESS THAN 40 WATTS
- 40 LUMENS PER WATT FOR LAMPS 15 WATTS OR LESS

THE BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT EXCEEDING 4 AIR CHANGES PER HOUR. TESTING SHALL BE CONDUCTED WITH A BLOWER DOOR AT A PRESSURE OF 0.2 INCHES W.G. (50 PASCALS). WHERE REQUIRED BY CODE OFFICIAL, TESTING SHALL BE CONDUCTED BY AN APPROVED THIRD PARTY. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL. TESTING SHALL BE PERFORMED AT ANY TIME AFTER THE CREATION OF ALL PENETRATIONS OF THE BUILDING THERMAL ENVELOPE.

ENERGY CODE R VALUES
R-60 CEILINGS
R-21 INSULATION WALLS
R-15 BASEMENT WALLS

THIS HOME IS DESIGNED AND WILL BE THIRD PARTY VERIFIED TO MEET THE RIGOROUS DURABILITY, EFFICIENCY, AND INDOOR AIR QUALITY REQUIREMENTS OF ENERGY STAR VERSION 3.1 AND THE DOE ZERO ENERGY READY HOME PROGRAMS

CITY APPROVAL

BRIGHTLEAF

WWW.MYBRIGHTLEAFHOME.COM
630-474-5323
15 SPINNING WHEEL RD #124,
HINSDALE, IL 60521

NEW HOME RENOVATION
2309 NORTH MAPLEWOOD AVENUE, CHICAGO, IL
BRAD HUFF AND ANNE MARIE JENSEN

EXPIRES: 11.30.2022 STAMP

REVISIONS

NO.	COMMENTS	DATE
1	SCHEMATIC SET	02-24-2021
2	PERMIT DEVELOPMENT	03-12-2021
3	PERMIT SET	03-19-2021
4	PERMIT ZONING CORRECTIONS	11-23-2021

A0.0

SCALE 1/4" = 1'-0"

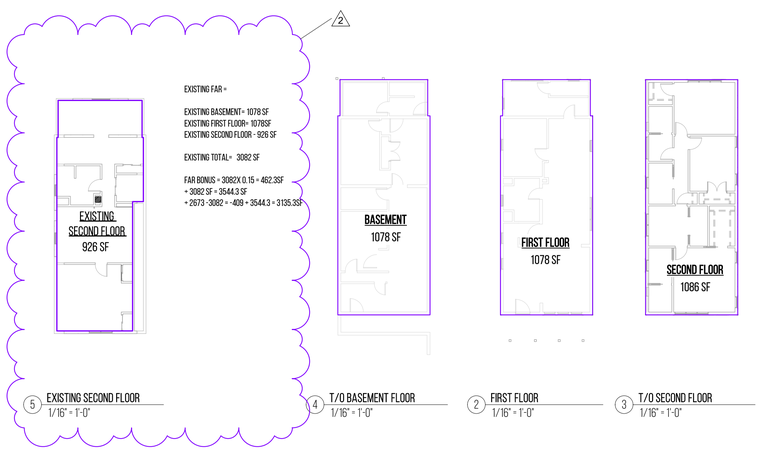
11/23/2021 10:38:19 AM

GENERAL BUILDING REQUIREMENTS PER CHICAGO ZONING ORDINANCE (CZO) & CHICAGO BUILDING CODE (CBC) 2018 EDITION

ITEM	ISSUE	CHAPTER/ ARTICLE	ORDINANCE REQUIRMENT	ACTUAL	REMARKS
PART 1 - ZONING REQUIREMENTS					
1.01	ZONING DISTRICT		RS-3	ETR	
1.02	LOT AREA	17-2-0301	2,500 MIN.	2 970 ETR	
1.03	MAXIMUM FLOOR AREA RATIO	17-2-0304	.9 = 2,673 sf	3,242sf	
1.04	TOTAL BUILDING AREA		1 519	ETR	
1.05	BUILDING HEIGHT - # OF FLOORS		30' -2 FLOORS	29' 9 7/8" - 2 FLOORS ETR	2ND FLOOR REMODEL NO ADDITIONAL FLOORS ADDED
1.06	MINIMUM YARDS		SEE BELOW:	SEE BELOW:	
	a) FRONT		AVRG. FRONT YARD OF NEAREST 2 LOTS = 21.7' (21'-8 3/8")	16' 2" ETR	REQUIRES ADMINISTRATIVE ADJUSTMENT
	b) SIDE		20% OF LOT WIDTH OR 8% OF LOT WIDTH WHICHEVER IS GREATER =2'-1-7/8"	4' 11 3/8" ETR	REQUIRES ADMINISTRATIVE ADJUSTMENT
	c) REAR		30% OF LOT DEPTH OR 50' WHICEVER IS < THAT = 33'-0"	41' - 1" ETR	
1.07	GRADE ELEVATION (C.C.D.)			N/A	
1.08	OFF STREET LOADING			N/A	
1.09	OFF STREET PARKING				
1.10	LANDSCAPING			N/A	
1.11	TOWNHOUSE ORDINANCE		N/A		
1.12	BIKE PARKING		N/A		
1.13	PARKWAY TREES				
PART 2 - BUILDING REQUIREMENTS					
2.01	OCCUPANCY CLASSIFICATION(S)	3 (13-56) PAGE 115		A1 - SINGLE FAMILY	
2.02	HEIGHT AREA LIMITATIONS	5 (13-48) PAGE 323	30' -2 FLOORS	23' - 1" - 2 FLOORS ETR	
	a) EXCEPTIONS TO AREA LIMITATIONS	5 (13-48-090) PAGE 325		N/A	2ND FLOOR REMODEL NO ADDITIONAL FLOORS ADDED
	b) MIXED OCCUPANCY BUILDINGS	5 (13-48-100) PAGE 326		N/A	
2.03	TYPES OF CONSTRUCTION	6 (13-60) PAGE 329		5A	
2.04	MIXED OCCUPANCY SEPARATIONS	3 (13-56-280) PAGE 118		N/A	
2.05	REQUIRED HOURS OF FIRE RESISTANCE	6 (13-60-100) PAGE 330	SEE BELOW:	SEE BELOW:	
	a) EXTERIOR BEARING WALLS	TABLE 6 (13-60-100)	1	1	
	b) EXTERIOR NON-BEARING WALLS	TABLE 6 (13-60-100)	1	1	
	c) INTERIOR BEARING WALLS	TABLE 6 (13-60-100)	1	1	
	d) INTERIOR NON-BEARING WALLS	TABLE 6 (13-60-100)	SEE 2.10 BELOW	SEE 2.10 BELOW	
	e) EXTERIOR COLUMNS	TABLE 6 (13-60-100)			
	f) INTERIOR COLUMNS SUPPORTING ROOF ONLY	TABLE 6 (13-60-100)	1/2	1/2	
	g) INTERIOR COLUMNS	TABLE 6 (13-60-100)	1	1	
	h) BEAMS, GIRDERS, OR TRUSSES	TABLE 6 (13-60-100)	1	1	
	i) BEAMS SUPPORTING ROOF ONLY	TABLE 6 (13-60-100)	1/2	1/2	
	j) FLOOR CONSTRUCTION	TABLE 6 (13-60-100)	1	1	
	k) ROOF CONSTRUCTION	TABLE 6 (13-60-100)	1/2	1/2	
2.06	ELEVATOR FRAMING	6 (13-60-130) PAGE 331		N/A	
2.07	MEZZANINE FLOORS	6 (13-60-160) PAGE 332		N/A	
2.08	BASEMENT CONSTRUCTION	6 (13-60-170) PAGE 332		N/A	
2.09	DRIVEWAYS AND LOADING SPACES	6 (13-60-210) PAGE 332		N/A	
2.10	FIRE-RESISTIVE REQUIREMENTS	7 (15-8) PAGE 335	SEE BELOW:	SEE BELOW:	
	a) FIRE WALLS - CONSTRUCTION	7 (15-8-010) PAGE 335		N/A	
	b) PARAPETS	7 (15-8-100) PAGE 335 & 336		N/A	
	c) STAIRWAY ENCLOSURES	7 (15-8-140) PAGE 337		N/A	
	d) ELEVATOR ENCLOSURES	7 (15-8-150) PAGE 337		N/A	
	e) ENCLOSURE OF HEATING ROOMS	7 (15-8-190) PAGE 338		N/A	
	f) ENCLOSURES OF WELLS AND CHUTES	7 (15-8-170) PAGE 338		N/A	
	g) OTHER ENCLOSURES	7 (15-8-240) PAGE 338		N/A	
	NON-LOADING BEARING PARTITIONS	7 (15-8-160) PAGE 338	1/2	1/2	
	H) INTERIOR WALL AND CEILING FINISHES	7 (15-8-420) PAGE 341	CLASS 1	CLASS 1	
	I) STORAGE ROOMS OVER 100SF	7 (15-8-380)(B) PAGE 339		N/A	
2.11	FIRE-RESISTIVE MATERIALS AND CONSTRUCTION	7 (15-12) PAGE 348			
2.12	ACCEPTED ENGINEERING PRACTICE - RECOGNIZED AGENCIES	7 (15-12-050)	ASA, ASTM, NBFU, NBS, NFPA, UL	ASA, ASTM, NBFU, NBS, NFPA, UL	
2.13	FIRE PROTECTION EQUIPMENT	9 (15-16) PAGE 361	SEE BELOW:	SEE BELOW:	
	a) SPRINKLER SYSTEMS	9 (15-16-101) PAGE 362	REQUIRED	ETR	NON SPRINKLERED
	b) SPECIAL REQUIREMENT	9 (15-16-130) PAGE 362		N/A	
PART 3 - EXIT REQUIREMENTS					
3.01	TYPES OF EXITS	10 (13-160-040) PAGE 388			
3.02	MINIMUM NUMBER OF EXITS	10 (13-160-050) PAGE 388		1	
3.03	TRAVEL DISTANCE TO EXITS	10 (13-160-110) PAGE 389	100'MAX	COMPLIES	
	a) INCREASES PERMITTED	10 (13-160-150) PAGE 390		N/A	
	b) DEAD END CORRIDOR	10 (13-160-160) PAGE 390		N/A	
3.04	CAPACITY OF EXITS	10 (13-160-210) PAGE 390		N/A	
3.05	MINIMUM WIDTH OF EXITS	10 (13-160-220) PAGE 391	32" MIN,	COMPLIES	
3.06	SWING OF EXIT DOORS	10 (13-160-250) PAGE 391	INWARD OR OUTWARD	COMPLIES	
3.07	HARDWARE	10 (13-160-260) PAGE 392		NOT KEYED IN DIRECTION OF TRAVEL	-
3.08	REVOLVING DOORS	10 (13-160-270) PAGE 393		N/A	
3.09	LANDINGS	10 (13-160-310) PAGE 394	N/A		
3.10	HANDRAILS	10 (13-160-320) PAGE 394	ONE SIDE IF <44" WIDTH	COMPLIES	2'-10" TO 3'-2" ABOVE FLOOR; RETURN TO WALL
3.11	CONSTRUCTION (STAIRS)	10 (13-160-330) PAGE 394	N/A		
3.12	ENCLOSURES (EXIT CORRIDOR)	7 (15-8-140) PAGE 337		N/A	
3.13	HEAD ROOM	10 (13-160-350) PAGE 394	6'-8" CLEAR MINIMUM	7'-0" CLEAR MINIMUM	

GENERAL BUILDING REQUIREMENTS PER CHICAGO ZONING ORDINANCE (CZO) & CHICAGO BUILDING CODE (CBC) 2018 EDITION

ITEM	ISSUE	CHAPTER/ ARTICLE	ORDINANCE REQUIRMENT	ACTUAL	REMARKS
PART 4 - RESIDENTIAL UNITS					
4.01	BASEMENT VENTILATION	3(13-64-030)	2% OF FLOOR AREA	COMPLIES ETR	
4.02	VERTICAL CIRCULATION			N/A	
4.03	ACCESSIBILITY			N/A	
PART 5 - STRUCTURAL					
5.01	DESIGN LOADS	16(13-52-070)			SEE SHEET F1.0
5.01	DEAD LOADS	16(13-52-080)			SEE SHEET F1.0
5.01	LIVE LOADS (DWELLING)	16(13-52-090)			SEE SHEET F1.0
5.01	LIVE LOADS BALCONIES)	16(13-52-090)			SEE SHEET F1.0
5.01	ROOF LOADS	16(13-52-220)			SEE SHEET F1.0
5.01	SNOW LOADS	16(13-52-090)			SEE SHEET F1.0
5.02	FOUNDATIONS	18(13-132)			SEE SHEET F1.0
5.02	DEPTH	18(13-132-100			SEE SHEET F1.0
5.03	CONCRETE CONSTRUCTION	19(13-136-010)			SEE SHEET F1.0
5.04	WOOD CONSTRUCTION	23(13-144)			SEE SHEET F1.0
5.04	MATERIAL	23(13144-040)			SEE SHEET F1.0
5.04	PLYWOOD	23(13-144-040)			SEE SHEET F1.0
5.04	PARTICLE BOARD	23(13-144-050)			SEE SHEET F1.0
5.04	TREATED WOOD	23(13-144-070)			SEE SHEET F1.0
PART 6 - AIR/VENTILATION					
6.01	GENERAL PROVISIONS				
6.02	METHOD OF VENILATION		NATURAL AS WELL AS MECHANICAL		ETR
6.03	AREA OF VENTILATION				
6.04	VENTILATION REQUIREMENTS				
6.05	TABLE OF VENTILATION				
6.05	LIVING, DINING, BEDROOMS		NATURAL		ETR
6.05	KITCHEN >125SF		MECHANICAL		ETR
6.05	KITCHEN<125SF			N/A	
6.05	TOILET		MECHANICAL		
6.05	HEATING FOR MECH. SYSTEM		RADIATOR		ETR
6.07	MIN. DESIGN REQUIREMENTS				
6.08	SELECTION OF FURNACE SIZE			N/A	
6.09	RETURN AIR SYSTEM			N/A	
6.09	REFRIGERATION				
PART 7 - PLUMBING					
7.01	GENERAL REGULATIONS		COMPLIES		
7.02	FIXTURE, FAUCETS, & FITNESS		COMPLIES		
7.03	WATER HEATERS		COMPLIES		ETR
7.04	WATER DISTRIBUTION		COMPLIES		
7.05	SANITARY DRAINAGE		COMPLIES		
7.06	VENTS		COMPLIES		
PART 8 - ELECTRICAL					
8.01	ELECTRICAL REGULATIONS		COMPLIES		
8.02	LIGHT FIXTURES, RECEPTICALES		COMPLIES		
8.03	APPLIANCES		COMPLIES		ETR
8.04	DWELLING USE		COMPLIES		

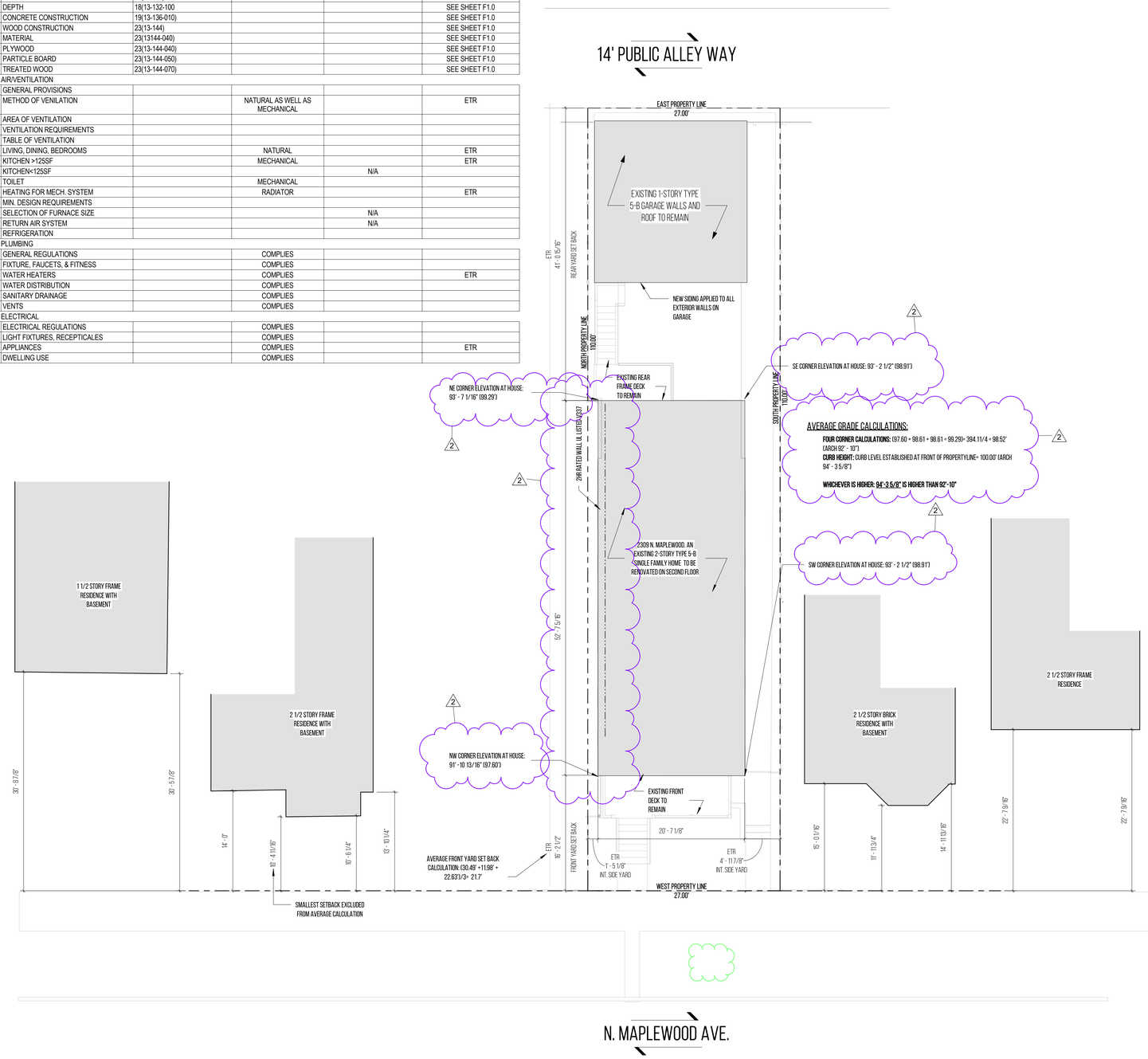


5 EXISTING SECOND FLOOR 1/16" = 1'-0"

4 T/O BASEMENT FLOOR 1/16" = 1'-0"

2 FIRST FLOOR 1/16" = 1'-0"

3 T/O SECOND FLOOR 1/16" = 1'-0"



1 ARCHITECTURAL SITE PLAN 1/8" = 1'-0"

0 2' 4' 8' 16'

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NEW HOME RENOVATION

2309 NORTH MAPLEWOOD AVENUE, CHICAGO, IL

BRAD HUFF AND ANNE MARIE JENSEN

EXPIRES: 11.30.2022 STAMP

REVISIONS

NO.	COMMENTS	DATE
1	SCHEMATIC SET	02 24-2021
2	PERMIT DEVELOPMENT	03-12-2021
3	PERMIT SET	03-19-2021
4	PERMIT ZONING CORRECTIONS	11-23-2021

A1.0

SCALE AS INDICATED

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GENERAL NOTES:

- THE CONTRACTOR MUST CHECK ALL DIMENSIONS, DETAILS AND JOBSITE CONDITIONS AND BE RESPONSIBLE FOR THEM. ARCHITECT SHALL NOT BE HELD RESPONSIBLE FOR CONSTRUCTION METHODS OR MEANS BY THE CONTRACTOR AND OR ANY SUBCONTRACTOR AND THEIR TRADESMEN.
- ALL TRADES MUST CONFORM TO CURRENT EXISTING CODES APPLYING TO THIS PROJECT. CONTRACTORS TO VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE EXECUTING ANY WORK. REPORT ANY DISCREPANCIES AT ONCE. DO NOT SCALE DRAWINGS USE FIGURED DIMENSIONS ONLY.
- ALL BEDROOMS SHALL HAVE AT LEAST ONE - "EGRESS WINDOW" SEE CODE BOOK.
- UNIT GLASS AND/OR MULTIPLE UNIT GLASS SHALL BE INSULATED TEMPERED SAFETY GLASS PER ANSI SPECS.
- EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT LABORATORY AND BEAR A LABEL IDENTIFYING MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED INSPECTION AGENCY TO INDICATE COMPLIANCE WITH ANSI/AAMA/NWWDA. IT SHALL BE DESIGNED TO A MINIMUM DESIGN PRESSURE OF 30 LBS/FT.
- THE THERMAL ENVELOPE SHALL BE DURABLE SEALED TO LIMIT INFILTRATION WITH A SUITABLE SOLID MATERIAL BEHIND TUBS AND SHOWERS ON EXTERIOR WALLS
- ALL OPENINGS, IN FIRE RATED, FLOORS AND WALLS INCLUDING SPACES BETWEEN DUCTS, PIPES, CONDUIT, ETC. SHALL BE CLOSED OFF BY AN APPROVED FIRE SAFING MATERIAL TO MAINTAIN FIRE RATING CONTINUITY OF THE FIRE RATED FLOOR AND WALL CONSTRUCTION. ALL OPENINGS AND PENETRATIONS SHALL BE SEALED TO PREVENT THE PASSAGE OF SMOKE AND FLAMES IN FIRE RATED ASSEMBLIES.
- GENERAL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH ALL CITY, STATE AND NATIONAL CODES AND ORDINANCES.
- MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD. A CERTIFICATE OF INSURANCE FOR ALL LIABILITIES, WITH A HOLD HARMLESS CLAUSE, PROTECTING THE OWNER AND ARCHITECT.
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS, POLICIES AND PROCEDURES OF THE OWNER.
- ALL WORK SHALL BE OF THE HIGHEST QUALITY FOLLOWING THE CONTRACT DOCUMENTS, PROJECT SPECIFICATIONS AND RECOMMENDATIONS, AND THE BEST ACCEPTED TRADE PRACTICES AND STANDARDS.
- THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE ARCHITECTURAL DESIGN INTENT, DIMENSIONS, MAJOR ELEMENTS AND MATERIALS. THESE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL COMPLETION OF THE PROJECT. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTOR SHALL FURNISH ALL OF THOSE ITEMS AND LABOR REQUIRED FOR THE FULL COMPLETION OF THIS PROJECT. ACCEPTANCE BY THE OWNER SHALL BE CONDITIONS OF THE CONTRACT.
- THE CONTRACTOR SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL REQUIREMENTS OF THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS CONTRARY TO THE CONSTRUCTION DOCUMENTS THAT REQUIRE MODIFICATION BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE ELEMENTS FROM DAMAGE DUE TO THE CONSTRUCTION OPERATION, AND REPAIR OR REPLACE ANY ELEMENTS DAMAGED DURING THE PROJECT.
- DRAWINGS AND SPECIFICATIONS ARE TO BE ISSUED TO THE SUBCONTRACTORS IN COMPLETE SETS SO THAT THE FULL EXTENT OF WORK IS SHOWN AND COORDINATION OF WORK IS MADE POSSIBLE.
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL INCOMING UTILITIES.

DIMENSIONS

- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL GOVERN. THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENT THAN ORIGINALLY DRAWN. DO NOT SCALE DRAWINGS.
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL VERIFY ALL PARTITION LAYOUTS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH ANY FRAMING.
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS AND CONDITIONS BEFORE EXECUTION OF ANY WORK AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IN WRITING.

COORDINATION

- REFER TO THE SITE SURVEY FOR SITE INFORMATION. CONTRACTOR TO VERIFY ALL INFORMATION.
- THE GENERAL CONTRACTOR SHALL COORDINATE ADDITIONAL SUPPORT OR CONCEALED BLOCKING FOR INSTALLATION OF HANDRAILS, MILLWORK, WALL PANELS, WINDOW TREATMENTS, GRAB BARS AND ALL OTHER SURFACE MOUNTED COMPONENTS.
- THE GENERAL CONTRACTOR'S SUBCONTRACTORS SHALL COMPLETELY HOOK-UP AND CONNECT ALL EQUIPMENT AND FURNISH ALL NECESSARY APPENDAGES. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL.
- THE PREMISES SHALL BE KEPT IN A BROOM SWEPT FINISH CONDITION DURING ALL PHASES OF THE CONSTRUCTION. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR CLEANING UP AND DISPOSING OF THEIR LITTER AND LEFT OVER MATERIALS ON A REGULAR BASIS AND LEAVE THE PROJECT IN A BROOM FINISH CONDITION UPON COMPLETION OF THEIR PORTION OF THIS PROJECT.
- ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES IN ORDER TO AVOID INTERFERENCES, PRESERVE MAXIMUM HEAD ROOM AND AVOID OMISSIONS.
- THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND BARRICADES AROUND THE ENTIRE SITE AS REQUIRED BY THE MUNICIPALITY TO BE PROTECTED AND AT ANY OPENINGS THAT MIGHT PRESENT A HAZARD.

CODES & STANDARDS

- INTERIOR FINISHES SHALL NOT EXCEED CLASS 1, 0-25 FLAME SPREAD, 200 SMOKE.
- RECESSED FIXTURES IN INSULATED CEILINGS MUST BE ENERGY APPROVED TYPE.
- PROVIDE 1" MIN. CLEARANCE BETWEEN 'B' LABEL FLUES AND ANY COMBUSTIBLE MAT'L PROVIDED THAT THE FIRST 3' -0" ABOVE THE FURNACE HAS 3" CLEARANCE.
- LOW TEMPERATURE CHIMNEYS SHALL EXTEND TO A HEIGHT NOT BE LESS THAN 3' -0" ABOVE THE ROOF AT THE POINT OF INTERSECTION AND NOT LESS THAN 2' -0" ABOVE ANY ROOF WITHIN 10' -0" OF SUCH CHIMNEY EXCEPT CHIMNEYS ON A ROOF SLOPED MORE THAN 15 DEGREES MAY EXTEND NOT LESS THAN 2' -0" ABOVE THE RIDGE.

ENERGY NOTES:

- A PERMANENT CERTIFICATE SHALL BE POSTED ON OR IN THE ELECTRICAL DISTRIBUTION PANEL. CERTIFICATE SHALL BE COMPLETED BY THE BUILDER, AND SHALL LIST THE PREDOMINANT R-VALUES OF INSULATION INSTALLED IN OR ON CEILING/ROOF, WALLS, FOUNDATION, AND DUCTS OUTSIDE CONDITIONED SPACES
- ACCESS DOORS FROM CONDITIONED SPACES TO UNCONDITIONED SPACES SHALL BE WEATHERSTRIPPED AND INSULATED TO A LEVEL EQUIVALENT TO THE INSULATION ON THE SURROUNDING SURFACES
- NEW WOOD BURNING FIREPLACES SHALL HAVE GASKETED DOORS AND OUTDOOR COMBUSTION AIR
- WHERE THE PRIMARY HEATING SYSTEM IS A FORCED-AIR FURNACE, AT LEAST ONE THERMOSTAT PER DWELLING UNIT SHALL BE CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT TEMPERATURE SET POINTS AT DIFFERENT TIMES OF THE DAY. THIS THERMOSTAT SHALL INCLUDE THE CAPABILITY TO SET BACK OR TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES. THE THERMOSTAT SHALL INITIALLY BE PROGRAMMED WITH A HEATING TEMPERATURE SET POINT NO HIGHER THAN 70 D AND A COOLING TEMPERATURE NO LOWER THAN 78 D
- NO SUPPLY DUCTS SHALL BE RUN IN UNCONDITIONED ATTIC
- ALL DUCTS, AIR HANDLERS, FILTER BOXES AND BUILDING CAVITIES USED AS DUCTS SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH SECTION M 160.4.1 OF IRC
- BUILDING FRAMING CAVITIES SHALL NOT BE USED AS SUPPLY DUCTS
- BUILDING SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT EXCEEDING 5 AIR CHANGES PER HOUR
- INSULATION SHALL BE INSTALLED TO MAINTAIN PERMANENT CONTACT WITH UNDERSIDE OF SUBFLOOR DECKING
- THE AIR BARRIER SHALL BE INSTALLED AT ANY EXPOSED EDGE OF INSULATION
- CORNERS AND HEADERS SHALL BE INSULATED AND THE JUNCTION OF THE FOUNDATION AND SILL PLATE SHALL BE SEALED
- KNEE WALLS SHALL BE SEALED
- RECESSED LIGHTING INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINAIRES SHALL BE IC-RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE NOT MORE THAN 2.0 CFM WHEN TESTED IN ACCORDANCE WITH ASTM E 283 AT A 1.57 PSF PRESSURE DIFFERENTIAL. ALL RECESSED LIGHTING SHALL BE GASKET OR CAULKED BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVER
- INSULATION FOR HOT WATER PIPE WITH A MINIMUM THERMAL RESISTANCE OF R-3 SHALL BE APPLIED TO THE FOLLOWING:
  - PIPING LARGER THAN 3/4"
  - PIPING SERVING MORE THAN ONE DWELLING UNIT
  - PIPING FROM THE WATER HEATER TO KITCHEN OUTLETS
  - PIPING LOCATED OUTSIDE THE CONDITIONED SPACE
  - PIPING FROM THE WATER HEATER TO A DISTRIBUTION MANIFOLD
  - PIPING LOCATED UNDER A FLOOR SLAB

FIRESTOPPING:

- FIRESTOPPING SHALL BE PROVIDED IN ALL WALLS AND PARTITIONS TO CUT OFF ALL CONCEALED DRAFT OPENINGS BOTH HORIZONTAL AND VERTICAL; AND TO PROVIDE AN EFFECTIVE FIRE BARRIER BETWEEN STORIES AND BETWEEN THE UPPER STORY AND ROOF SPACE.
- IN BUILDINGS OF CONSTRUCTION TYPES IV, AND V, ALL STUD PARTITIONS AND WALLS SHALL BE FIRESTOPPED AT THE FLOOR AND CEILING AND AT INTERMEDIATE POINTS AS MAY BE REQUIRED TO LIMIT ANY ENCLOSED VERTICAL SPACE TO EIGHT (8) FEET IN HEIGHT. IN BUILDINGS OF CONSTRUCTION TYPES IV, AND V, WHERE WALLS ARE FURRED, THE SPACE BETWEEN THE INSIDE OF THE FURRING AND THE FACE OF THE WALL SHALL BE FIRESTOPPED FOR THE FULL DEPTH OF THE COMBUSTIBLE FLOOR OR ROOF JOISTS.
- WHEN THE FLOOR FINISH IS NOT LAID DIRECTLY ON THE FLOOR SLAB OR BASE, THE SPACE BETWEEN THE FLOOR FINISH AND THE SLAB OR BASE SHALL BE FIRESTOPPED IN SUCH A MANNER THAT THERE WILL BE NO OPEN SPACES UNDER THE FLOOR FINISH WHICH WILL EXCEED 100 SQ. FT. IN AREA. FLOORS CONSTRUCTED OF COMBUSTIBLE MATERIALS SHALL BE FIRESTOPPED AT WALLS AND PARTITIONS. ALL FLOORS SHALL BE FIRESTOPPED WHERE OPENINGS THROUGH THE FLOOR OCCUR. WHEN JOISTS RUN PARALLEL TO THE WALL, THE JOIST NEAREST THE WALL SHALL BE TIGHT AGAINST THE WALL.

FLOORS:

- WHEN THE FLOOR FINISH IS NOT LAID DIRECTLY ON THE FLOOR SLAB OR BASE, THE SPACE BETWEEN THE FLOOR FINISH AND THE SLAB OR BASE SHALL BE FIRESTOPPED IN SUCH A MANNER THAT THERE WILL BE NO OPEN SPACES UNDER THE FLOOR FINISH WHICH WILL EXCEED 100 SQ. FT. IN AREA.
- FLOORS CONSTRUCTED OF COMBUSTIBLE MATERIALS SHALL BE FIRESTOPPED AT WALLS AND PARTITIONS. ALL FLOORS SHALL BE FIRESTOPPED WHERE OPENINGS THROUGH THE FLOOR OCCUR.
- WHEN JOISTS RUN PARALLEL TO THE WALL, THE JOIST NEAREST THE WALL SHALL BE TIGHT AGAINST THE WALL

ATTIC SPACES

- IN BUILDINGS OF CONSTRUCTION TYPES IV AND V, ATTIC SPACES SHALL BE SUBDIVIDED INTO AREAS NOT EXCEEDING 3,000 SQ. FT. BY MEANS OF PARTITIONS OF NOT LESS THAN ONE-HALF (1/2) HOUR FIRE RESISTIVE CONSTRUCTION. TIGHTLY FITTED AROUND DUCTS OR OTHER ASSEMBLIES PIERCING SUCH SUCH PARTITIONS. ANY DOORS IN SUCH PARTITIONS SHALL BE OF INCOMBUSTIBLE CONSTRUCTION OF AFFORD PROTECTION EQUAL TO THE ASSEMBLY IN WHICH THEY EXIST; SUCH DOORS SHALL BE TIGHT FITTING.

STAIRS

- WHEN STAIRS ARE OF COMBUSTIBLE CONSTRUCTION, THE SPACE BETWEEN STAIR STRINGERS SHALL BE FIRESTOPPED AT TOP AND BOTTOM AND AT LEAST ONCE IN THE MIDDLE OF EACH RUN, AND FIRESTOPPING SHALL ALSO BE PROVIDED BETWEEN STUDS OF ADJOINING STUD PARTITIONS ALONG AND IN LINE WITH THE RUN OF THE STAIRWAY.
- OPENINGS IN FLOORS WALLS AND ROOFS

WINDOWS & DOORS:

- SEE PLANS & ELEVATIONS FOR DIRECTION OF OPERABLE DOORS & WINDOWS
- IT IS THE RESPONSIBILITY OF BOTH THE GENERAL CONTRACTOR (OR OWNER IF ACTING AS GENERAL CONTRACTOR) AND THE DOOR / WINDOW SUPPLIER TO VERIFY THAT ALL ROUGH / MASONRY OPENINGS AND DIMENSIONS ARE CORRECT AND ADEQUATE FOR THE PROPER INSTALLATION OF ALL DOORS / WINDOWS SUPPLIED.
- WINDOWS SHALL BE VINYL TYPE WINDOWS AND SHALL BE OF SIZE AND OPERATION AS INDICATED ON THE DRAWINGS.
- ANY ADDITIONAL WORK REQUIRED, INCLUDING CAULKING, PANNING, BUCKING, AND ADDITIONAL MASONRY OR CARPENTRY WORK TO PROVIDE A COMPLETELY FINISHED DOOR / WINDOW INSTALLATION IS THE RESPONSIBILITY OF THE SUPPLIER UNLESS THE ARCHITECT IS SPECIFICALLY NOTIFIED, IN WRITING, OF ALTERNATE ARRANGEMENTS.
- NO ALTERATION TO THE DOORS OR WINDOWS THAT ALTER THE AMOUNT OF LIGHT OR VENTILATION PROVIDED ARE ALLOWED UNLESS APPROVED, IN WRITING, BY THE ARCHITECT. IT IS THE WINDOW SUPPLIER'S RESPONSIBILITY TO PROVIDE LIGHT AND VENTILATION INFORMATION FOR ALL WINDOWS UPON SUBMISSION FOR PROPOSAL.
- PROVIDE AND INSTALL BLOCKING AND PANNING AT ALL DOOR AND WINDOW HEADS. BLOCKING TO BE PRESERVATIVE TREATED TYP.
- ALL GLAZED DOORS, SKYLIGHTS AND ALL GLAZED PANELS MORE THAN 18" IN WIDTH IMMEDIATELY ADJACENT TO ANY DOOR WHERE THE SILL OF THE GLAZED PANEL IS LESS THAN 24" ABOVE THE FLOOR, SHALL BE GLAZED WITH SAFETY GLAZING MATERIALS.

BATHROOM NOTES:

- ALL BATH AND TUB SHOWER WALLS SHALL BE CERAMIC TILE OVER CEMENT BOARD, WITH WATER REPELLENT-SEALED GROUT, PROVIDING A DENSE, SMOOTH, AND WATER REPELLENT SURFACE AS PRESCRIBED BY CODE, TYPICAL.
- NOTE:
- ALL CERAMIC TILE FLOORING SHALL BE: CERAMIC TILE ON UNMODIFIED THINSET MORTAR BED OVER "SCHLUTER DITRA" UNCOUPLING WATERPROOFING MEMBRANE APPLIED TO THINSET MORTAR BED ON PLYWOOD /OSB SUBSTRATE (PER MANUF. SPECIFICATIONS.)

DOOR SCHEDULE

TAG	LOCATION	DOOR MATERIAL	SWING	WIDTH	HEIGHT	FRAME MATERIAL	FRAME TYPE	HEADER	GLASS
202	OWNER'S BEDROOM			2' - 8"	6' - 8"				
203	W.C.			2' - 6"	6' - 8"				
204	OWNER'S BEDROOM			2' - 8"	6' - 8"				
205	OWNER'S BEDROOM			2' - 8"	6' - 8"				
206	OFFICE NOOK			4' - 0"	6' - 8"				
207	STAIR HALL			2' - 6"	6' - 8"				
209	BEDROOM 3			4' - 6"	6' - 8"				
210	BEDROOM 3			2' - 8"	6' - 8"				
211	BEDROOM 2			2' - 8"	6' - 8"				
212	CLOSET			2' - 8"	6' - 8"				
213	W.C.			2' - 6"	6' - 8"				
214	BATH 2			2' - 8"	6' - 8"				
215	STAIR HALL			2' - 8"	6' - 8"				

GRAND TOTAL: 13

DOOR SCHEDULE NOTES

1. ALL INTERIOR FRAME MATERIAL MADE FROM WOOD U.N.O.
2. ALL INTERIOR FRAME TYPES TO BE PRE-HUNG U.N.O.
3. ALL INTERIOR SWING DOOR HARDWARE TO BE: SCHLAGE - LATITUDE, PASSAGE DOOR LEVEL SET, 626 SATIN CHROME; U.N.O.
ALL SELECTIONS TAKE PRECEDENT AND OVERRIDE THIS NOTE. REFER TO SELECTIONS FOR FINALIZATION
4. ALL EXTERIOR DOOR HARDWARE TO BE: SCHLAGE - MODEL # FE469NXCEN622BRWCEN - CONNECT CENTURY HANDLESET BROADWAY LEVER. ALL SELECTIONS TAKE PRECEDENT AND OVERRIDE THIS NOTE. REFER TO SELECTIONS

WINDOW SCHEDULE

COUNT	MARK	WIDTH	HEIGHT	DAYLIGHT AREA	VENT AREA	W. OPERATION	WINDOW TYPE
2	A	2' - 6"	2' - 9 1/4"				
13	C	2' - 6"	4' - 9 1/4"				
1	D	2' - 6"	4' - 0"				
1	E	5' - 0"	1' - 6"	5 SF	5 SF	CASEMENT	
2	F	1' - 11 1/4"	2' - 5 1/4"				

GRAND TOTAL: 19

WINDOW SCHEDULE NOTES

1. ALL WINDOWS DESIGNATED "E" SIGNIFY EGRESS WINDOW
2. ALL WINDOWS DESIGNATED "T" SIGNIFY TEMPERED GLASS WINDOW
3. ALL WINDOWS SDL PATTERN TO MATCH ELEVATIONS. SDL TO BE ON BOTH SIDES OF GLASS WITH SPACER IN BETWEEN PANES. REFER TO MANUFACTURERS SPECS FOR DETAILS.

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A1.1

SCALE 1/4" = 1'-0"

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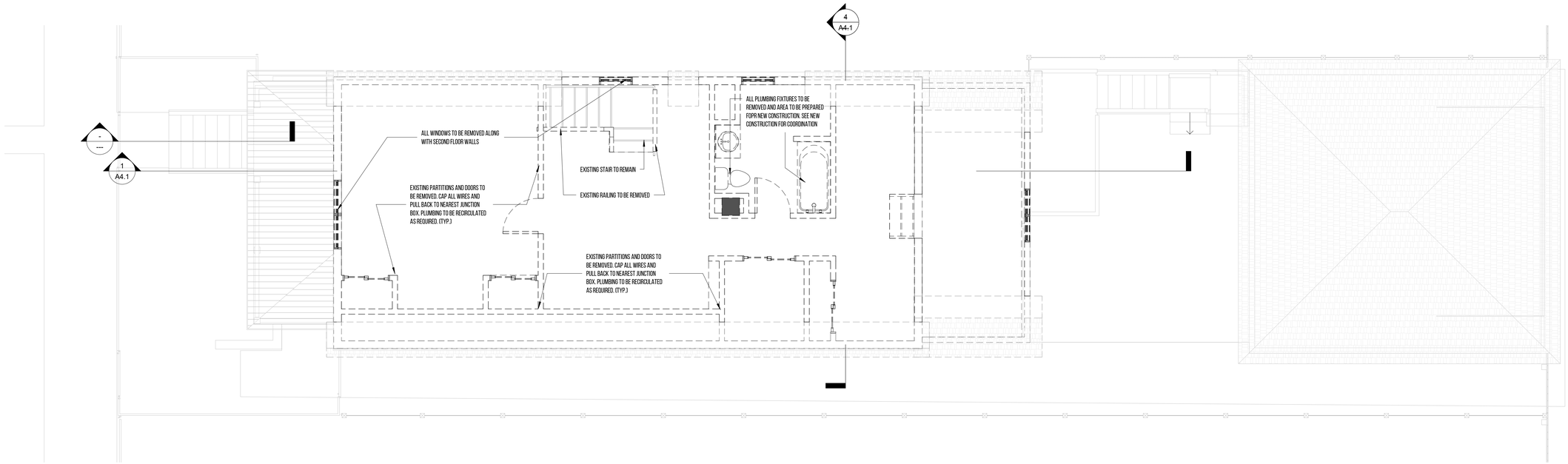
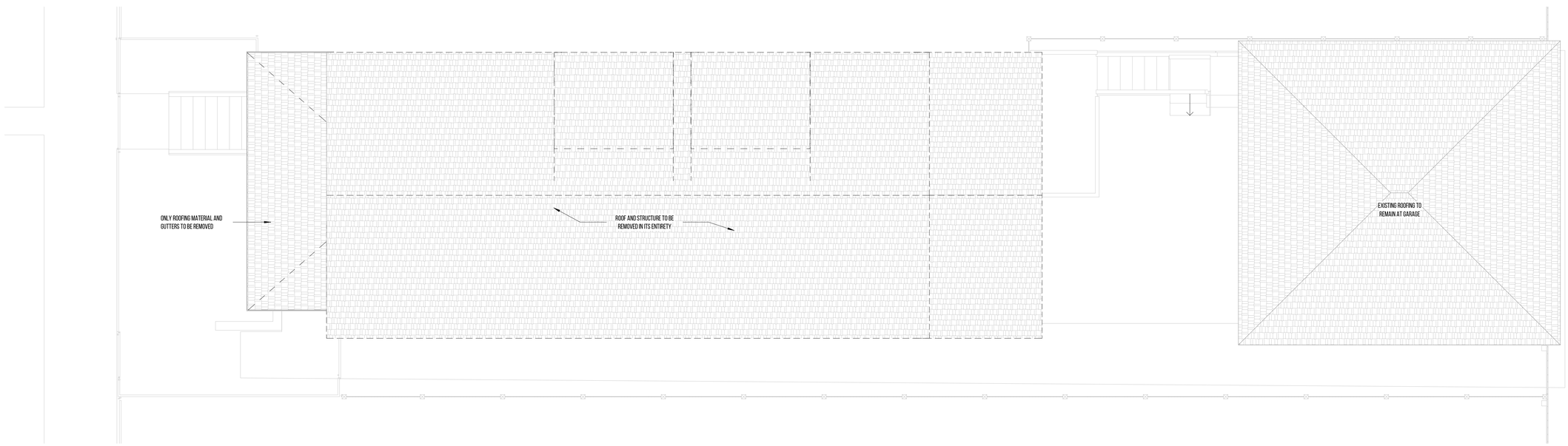


1 SECOND FLOOR DEMOLITION PLAN
1/4" = 1'-0"

GENERAL NOTES

1. EXISTING SECOND FLOOR TO BE DEMOLISHED IN ENTIRETY DOWN TO THE 2ND FLOOR SUBFLOOR. ALL ELECTRICAL, PLUMBING, AND HVAC PIPING TO BE MODIFIED AS REQUIRED FOR NEW LAYOUT.

2. EXISTING ROOF AND EXTERIOR WALLS TO BE DEMOLISHED IN ENTIRETY.



2 ROOF DEMOLITION PLAN
1/4" = 1'-0"

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D2.2

SCALE 1/4" = 1'-0"

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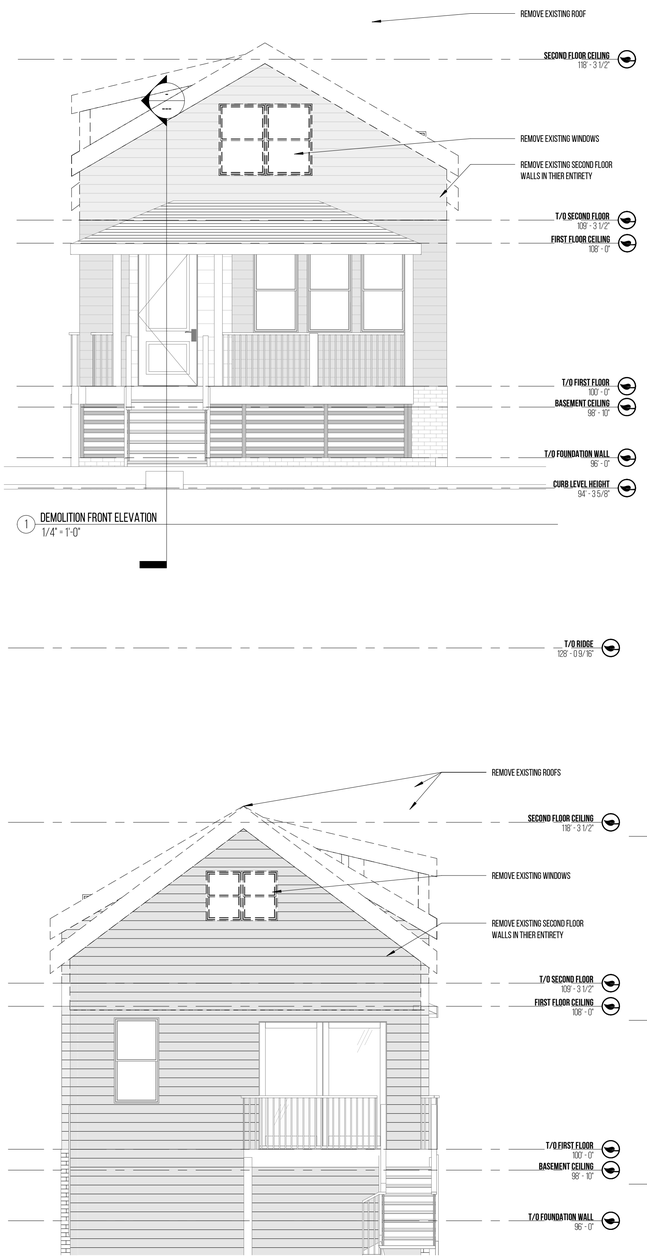
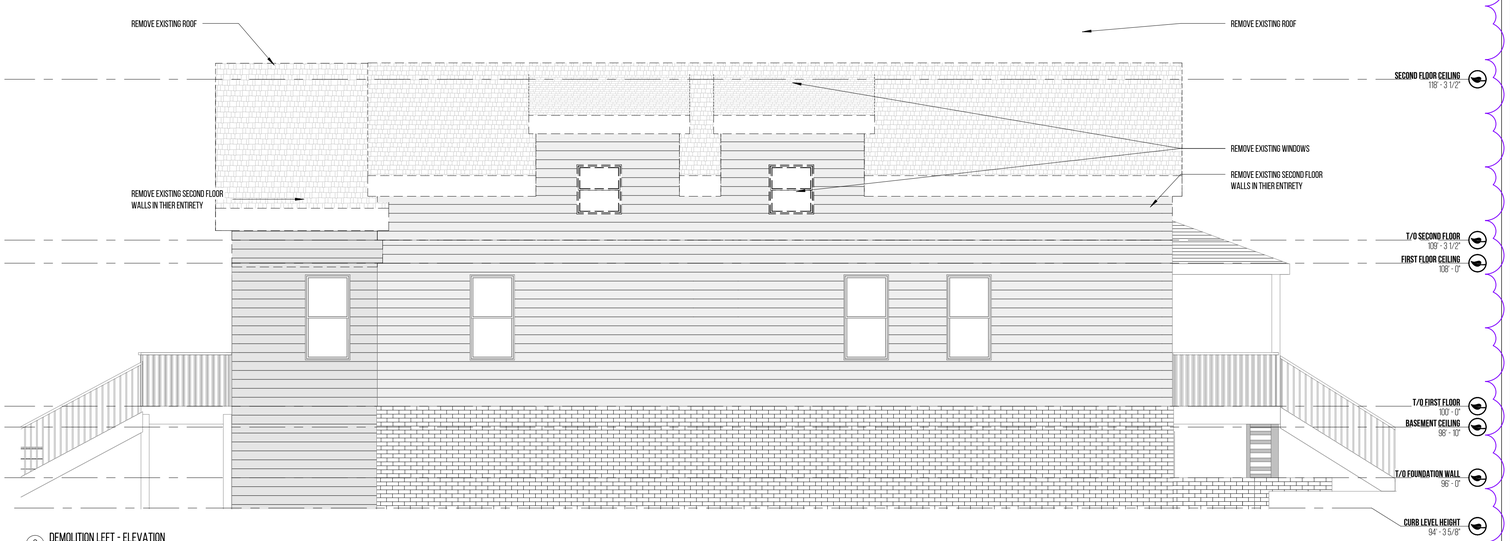
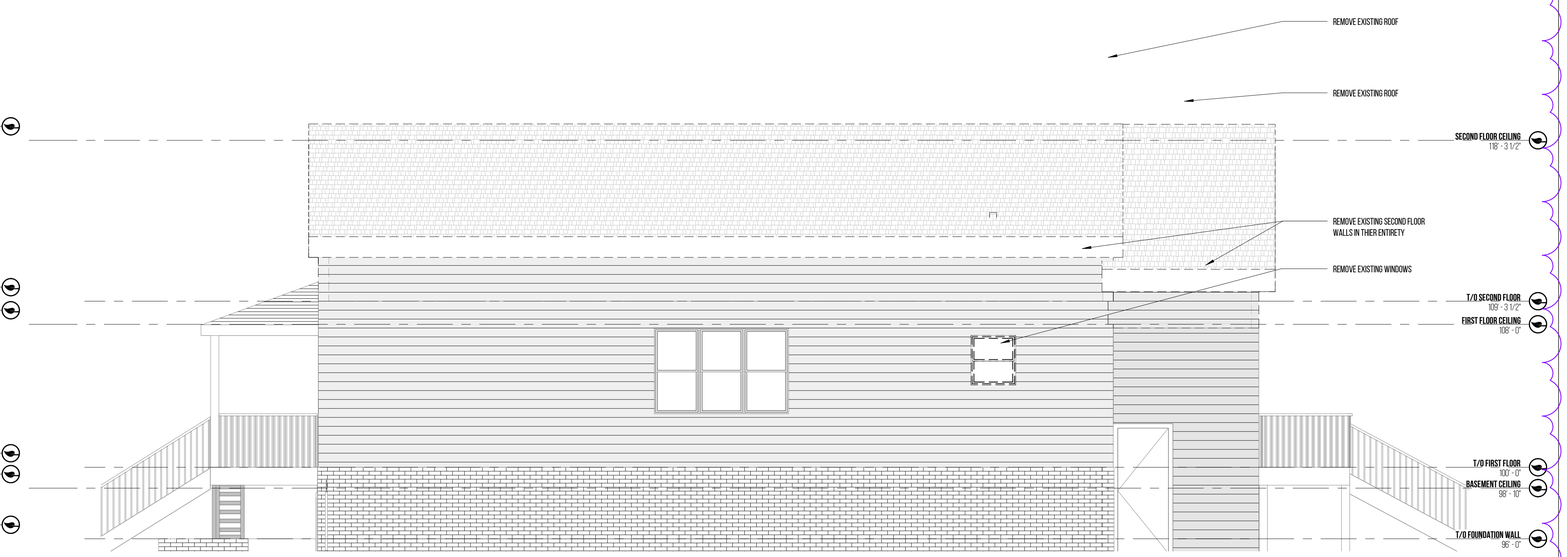


1 DEMOLITION FRONT ELEVATION
1/4" = 1'-0"



2 DEMOLITION LEFT - ELEVATION
1/4" = 1'-0"

3 DEMOLITION REAR ELEVATION
1/4" = 1'-0"



4 DEMOLITION RIGHT - ELEVATION
1/4" = 1'-0"

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D3.1

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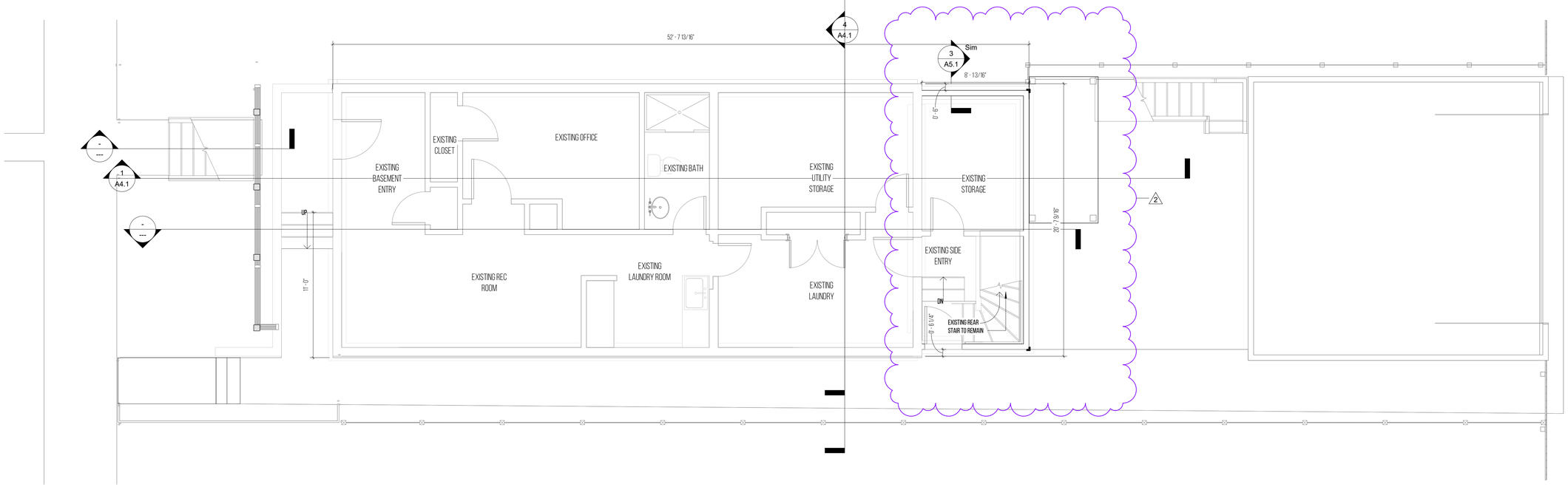
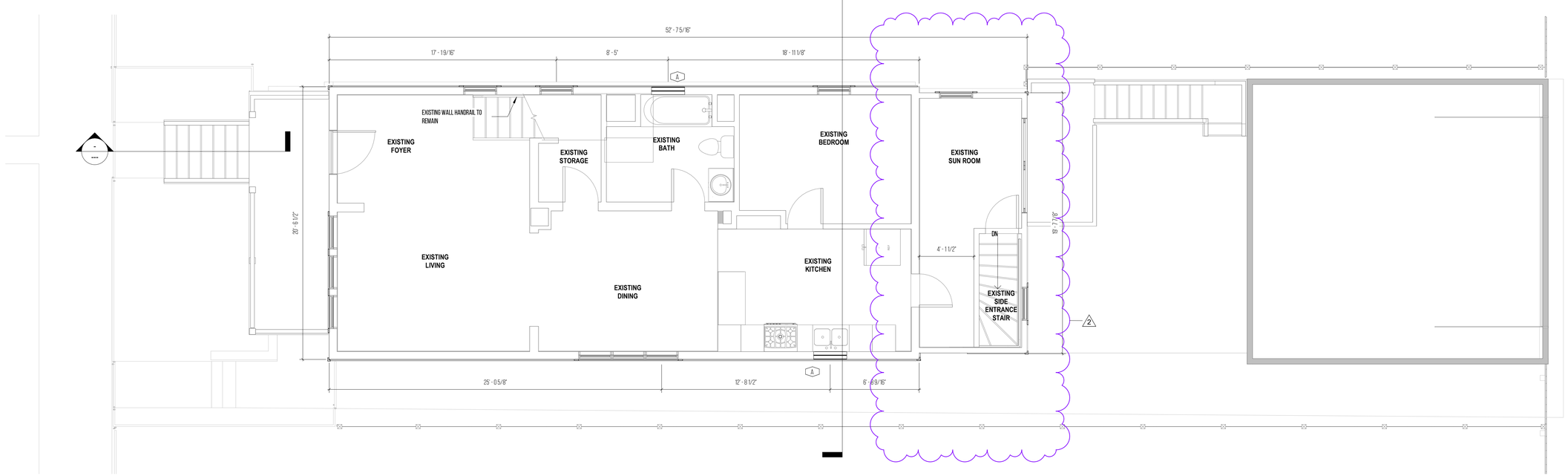


1 BASEMENT PLAN - REEFERENCE ONLY - NO WORK
1/4" = 1'-0"



2 FIRST FLOOR PLAN - REEFERENCE ONLY - NO WORK U.N.O.
1/4" = 1'-0"

0 1' 2' 4' 8'

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A2.0

SCALE 1/4" = 1'-0"

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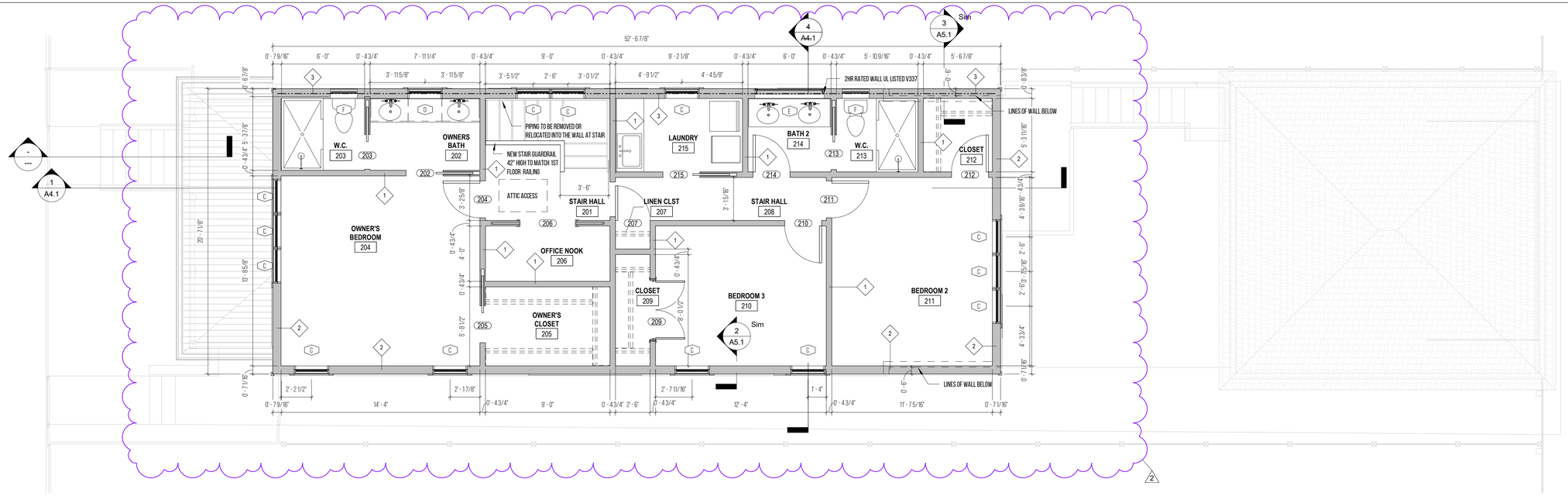
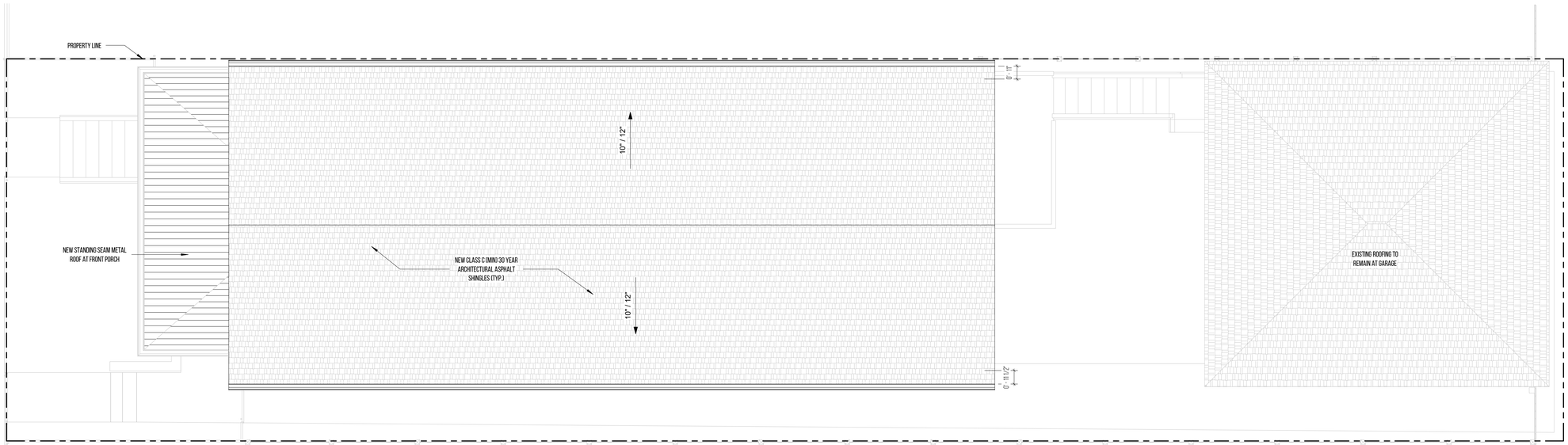


1 SECOND FLOOR PLAN
1/4" = 1'-0"



2 RENOVATION ROOF FLOOR PLAN
1/4" = 1'-0"

ROOF PLAN NOTES:

- ASPHALT & FIBERGLASS SHINGLES :
  - FIRE UNDERWRITERS CLASS C LABEL ON EACH BUNDLE
  - APPROXIMATE SHIPPING WEIGHTS PER SQUARE.
    - SQUARE BUTT STRIP, 235 LBS
    - HEXAGON STRIP, 200 LBS
- IRREGULAR SHAPED SHINGLES MANUFACTURED IN CONFORMANCE WITH THE UNDERWRITERS' LABORATORIES MIN. WEIGHT REQUIREMENTS.
- EXPOSURE AS REQUIRED FOR UNDERWRITERS' CLASS C LABEL.
- HEADLAP AS RECOMMENDED BY MANUFACTURERS: MIN. 2" UNDERLAY:
  - ASPHALT SATURATED FELT:
  - WEIGHT APPROX. 15 LBS PER 100 SQ/FT.
  - NO UNDERLAY REQ'D ON ROOF SLOPES OF 7IN 12" OR MORE: OR WHEN TRIPLE THICKNESS IS OBTAINED AT ALL POINTS ON ROOF SLOPES OF 4 IN 12" OR MORE.
  - ONE LAYER OF 15 LB ASPHALT SATURATED FELT SHALL BE REQ'D UNDER ALL DOUBLE THICKNESS SHINGLES ON ROOF SLOPES BETWEEN 4 IN 12 AND 7 IN 12.
  - ON ROOF SLOPES LESS THAN 4 IN 12 BUT NOT LESS THAN 2 IN 12, INSTALL 15 LB ASPHALT SATURATED FELT. A 19" WIDTH STRIP SHALL BE LAID ALONG THE EAVES FOLLOWED BY A 36" SHEET COMPLETELY OVERLAPPING THE FIRST 19" SHEET. EACH SUCCESSIVE 36" SHEET SHALL OVERLAP THE PRECEDING SHEET BY 19". A CONTINUOUS LAYER OF PLASTIC ROOF CEMENT SHALL BE APPLIED BETWEEN THE 2 LAYERS OF ASPHALT FELT ON THE ROOF AREA. APPLICATION SHALL START FROM THE EAVES TO A POINT ON THE ROOF 24" INSIDE THE INSIDE WALL LINE OF THE BUILDING. THE CEMENT SHALL BE APPLIED WITH A COMB TROWEL AND THE OVERLYING SHEET SHALL BE PRESSED FIRMLY INTO THE CEMENT OVER THE ENTIRE CEMENTED AREA.

0 1' 2' 4' 8'

CITY APPROVAL

BRIGHTLEAF

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630-474-5323
15 SPINNING WHEEL RD #124,
HINSDALE, IL 60521

NEW HOME RENOVATION

2309 NORTH MAPLEWOOD AVENUE, CHICAGO, IL

BRAD HUFF AND ANNE MARIE JENSEN

EXPIRES: 11.30.2022 STAMP

REVISIONS

NO.	COMMENTS	DATE
1	SCHEMATIC SET	02.24-2021
2	PERMIT DEVELOPMENT	03-12-2021
3	PERMIT SET	03-19-2021
4	PERMIT ZONING CORRECTIONS	11-23-2021

A2.1

SCALE 1/4" = 1'-0"

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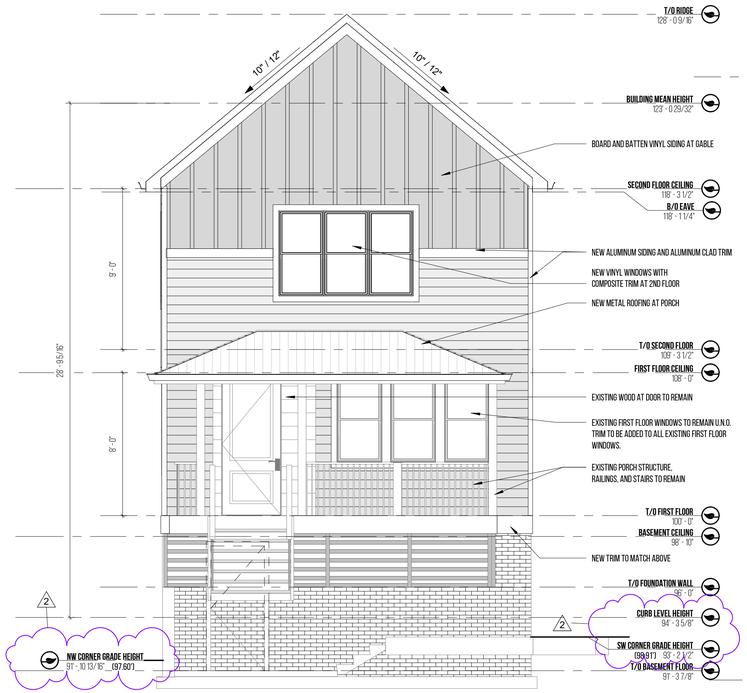
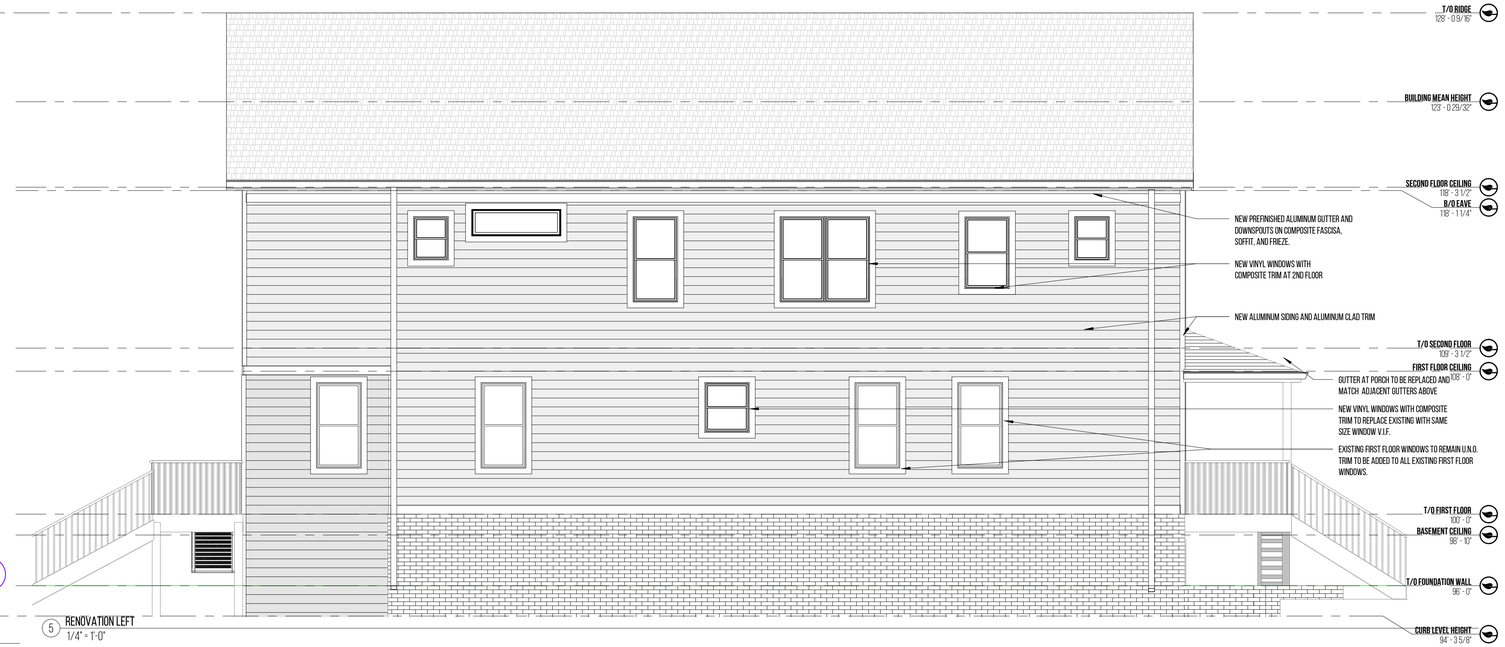
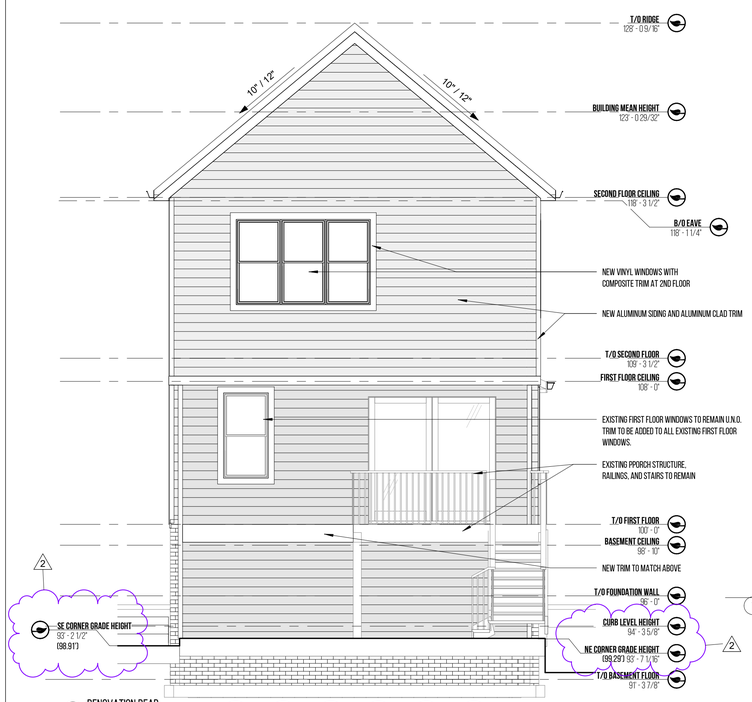


2 RENOVATION FRONT
1/4" = 1'-0"



5 RENOVATION LEFT
1/4" = 1'-0"



4 RENOVATION REAR
1/4" = 1'-0"

AVERAGE GRADE CALCULATIONS:

FOUR CORNER CALCULATIONS: (97.60 + 98.61 + 98.61 + 99.29)= 394.11/4 = 98.52'
(ARCH 92' - 10")
CURB HEIGHT: CURB LEVEL ESTABLISHED AT FRONT OF PROPERTYLINE= 100.00' (ARCH 94' - 3 5/8")

WHICHEVER IS HIGHER: 94'-3 5/8" IS HIGHER THAN 92'-10"

2

1 RIGHT
1/4" = 1'-0"

NOTE:

- EACH STRUCTURE TO WHICH A STREET NUMBER HAS BEEN ASSIGNED SHALL HAVE SUCH NUMBER DISPLAYED IN A POST EASILY OBSERVED AND READABLE FROM THE PUBLIC WAY. ALL NUMBERS SHALL BE IN ARABIC NUMERALS AT LEAST 4" HIGH 1 /2" STROKE
- PROVIDE A MAX. U-VALUE OF .30 FOR ALL DOORS AND WINDOWS.
- ALL FLASHING SHALL COMPLY WITH SMACNA RECOMMENDATIONS FOR FLASHING
- CONTRACTOR SHALL LOCATE AND INSTALL GUTTERS AND DOWNSPOUTS AS REQUIRED
- INSTALL ICE AND WATER SHIELD 2'-0" FROM CENTER OR OF WALL TO GUTTER
- FLASHING AT ALL ROOF VALLEYS
- GUTTERS AND DOWNSPOUTS MUST DISCHARGE A MINIMUM OF FIVE FEET (5') AWAY FROM THE BUILDING IN ACCORDANCE WITH THE APPROVED GRADING PLANS OR TO AN APPROVED DRAINAGE SYSTEM
- ALL FLASHING SHALL COMPLY WITH SMACNA RECOMMENDATIONS FOR FLASHING
- CONTRACTOR SHALL LOCATE AND INSTALL GUTTERS AND DOWNSPOUTS AS REQUIRED
- INSTALL ICE AND WATER SHIELD 2'-0" FROM CENTER OR OF WALL TO GUTTER
- FLASHING AT ALL ROOF VALLEYS
- ANY RAFTER SPANS OVER 15' SHALL BE 2X10'S OR PURL N WALL SHALL BE BUILT TO SUPPORT RAFTERS
- PROVIDE COLLAR TIES FOR ROOF RAFTERS @48" O.C.
- VENTILATION OPENING SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE MESH, WITH 1/8" M N. TO 1/4" MAX OPENINGS
- GARAGE SIDING TO BE REPLACED WITH NEW VINYL SIDING TO MATCH HOUSE.

0 1' 2' 4' 8'

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A3.1

SCALE AS INDICATED

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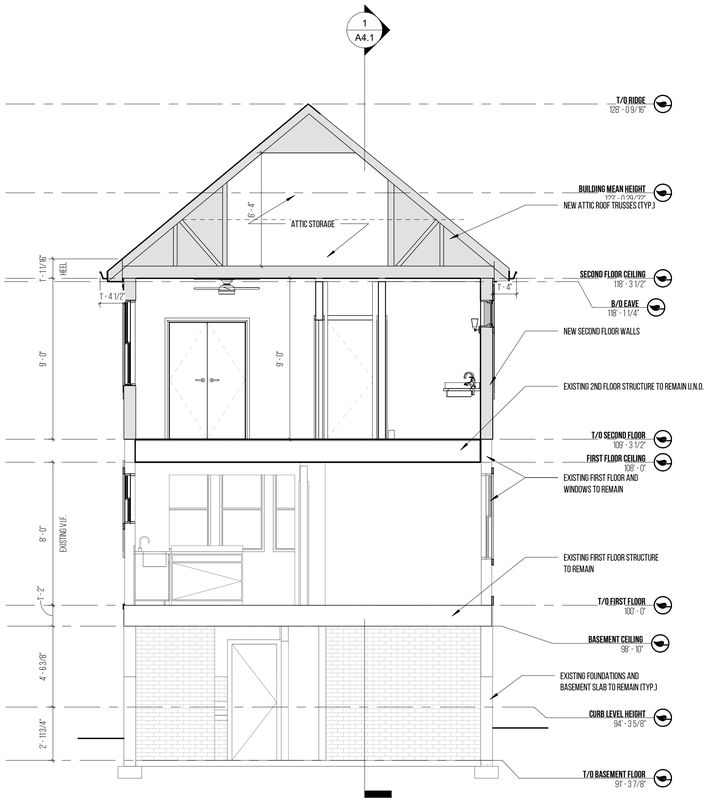

4 SECTION 1.
1/4" = 1'-0"

1 SECTION 2.
1/4" = 1'-0"

0 1' 2' 4' 8'

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A4.1

SCALE 1/4" = 1'-0"

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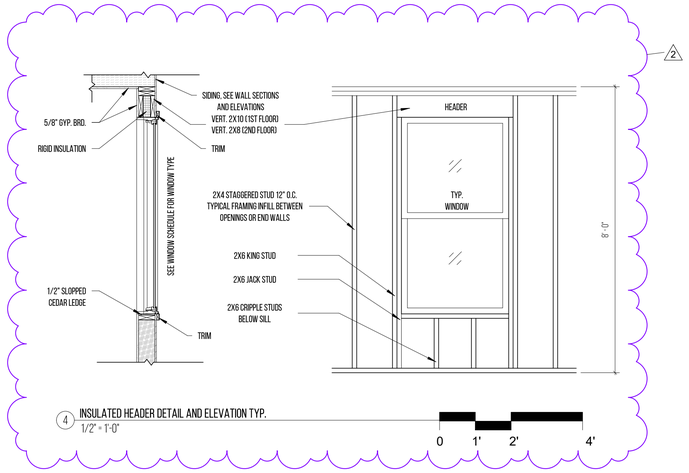
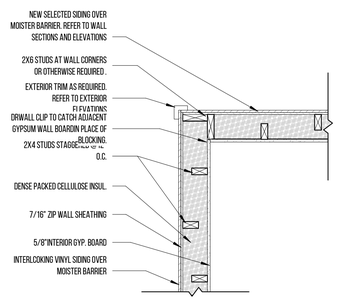
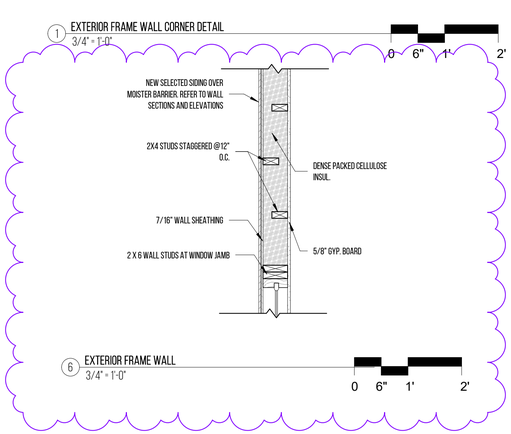


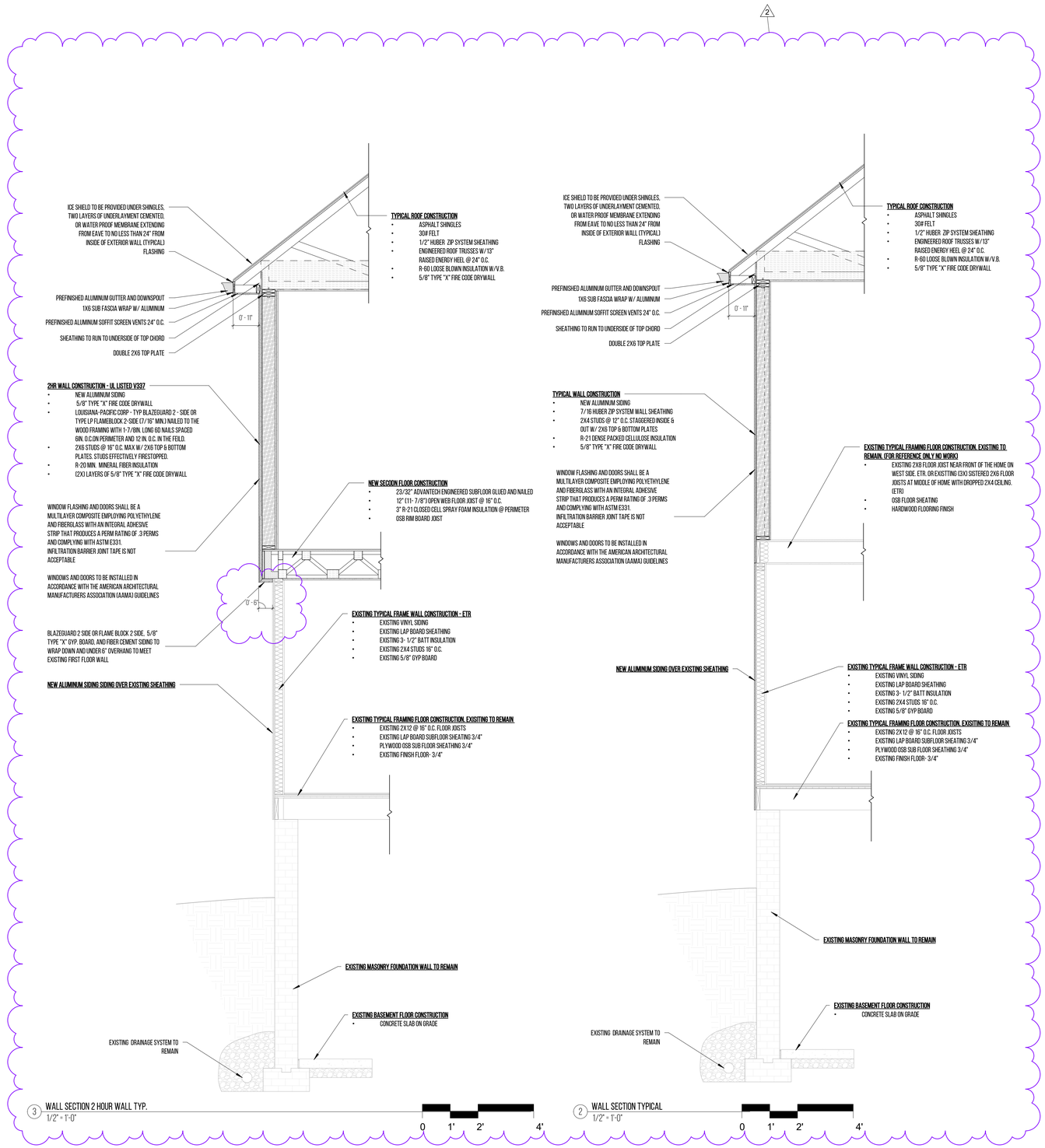
4 INSULATED HEADER DETAIL AND ELEVATION TYP.
1/2" = 1'-0"



1 EXTERIOR FRAME WALL CORNER DETAIL
3/4" = 1'-0"



6 EXTERIOR FRAME WALL
3/4" = 1'-0"



3 WALL SECTION 2 HOUR WALL TYP.
1/2" = 1'-0"

2 WALL SECTION TYPICAL
1/2" = 1'-0"

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A5.1

SCALE AS INDICATED

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STRUCTURAL DESIGN CRITERIA

DESIGN LOADS
FLOORS:
RESIDENTIAL FLOOR LOAD = 40 PSF
RESIDENTIAL SLEEPING AREAS LOAD: = 30 PSF
FRAMING: = 15 PSF

ROOF:
SNOW LOAD: = 30 PSF
FRAMING: = 10 PSF
ROOFING: = 5 PSF

DECK AREAS:
LIVE: = 60 PSF
FRAMING: = 10 PSF

LUMBER SPECIFICATIONS:
FLOOR / ROOF JOISTS: HEM FIR #2 — FB = 850 PSI, E = 1,300,000 PSI
STUDS IN BRG WALLS: HEM FIR #2 — FB = 850 PSI, E = 1,300,000 PSI
LVL (MICRO LAM): FB = 2,600 PSI, E = 1,900,000 PSI
PSL COLUMNS: FB = 1750 PSI, E = 1,490,000 PSI

1. PROVIDE ½" DIAMETER SILL ANCHOR BOLTS AT 5'-0" O.C. AND LOCATED NO FURTHER THAN 12" FROM BUILDING CORNERS. THERE SHALL BE A MINIMUM OF 2 BOLTS PER PLATE.
2. CUTTING AND NOTCHING OF STUDS SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE (IRC) R602.6.
3. CUTTING AND NOTCHING OF FLOOR AND CEILING JOISTS SHALL MEET WITH THE REQUIREMENTS OF IRC R502.8.
4. ALL HEADERS SHALL BE (2) 2X10'S (HEM FIR #2) FOR ALL FIRST FLOOR FRAMING AND (2) 2X8'S (HEM FIR #2) FOR ALL SECOND FLOOR FRAMING, PROVIDED FOR ALL OPENINGS OF 3'-0" OR LESS U.N.O. SEE LINTEL SCHEDULE FOR MASONRY. MINIMUM (3) - 2X4 COLUMN AT EACH END OF ALL WOOD BEAMS & HEADERS (MAX. SPAN 4'-0"). SOLID BLOCKING SHALL BE PROVIDED AT ALL CONCENTRATED LOADS (I.E. POSTS) TO PROVIDE A CONTINUOUS LOAD TRANSFER TO FOUNDATIONS, BEAMS OR OTHER POSTS IN FLOORS BELOW.
5. HOLES BORED IN FLOOR JOISTS SHALL COMPLY WITH IRC R502.8.
6. ALL PLYWOOD SHEATHING IS TO BE APA APPROVED.
7. EITHER LAP JOISTS OVER BEAMS PER IRC REQUIREMENTS, OR PROVIDE JOIST HANGERS.
8. ALL TIMBER CONNECTIONS (STUDS, JOISTS, RAFTERS AND PLYWOOD) SHALL MEET THE NAILING REQUIREMENTS OF IRC TABLE R602.3 AND R802.5.1 (9).
9. ALL DECK CONNECTORS AND THOSE CONNECTING TO PRESSURE TREATED LUMBER SHALL BE GALVANIZED PER ASTM A653 (I.E. SIMPSON Z-MAX FINISH). ALL NAILS USED IN PRESSURE TREATED LUMBER AND DECK CONNECTORS SHALL BE GALVANIZED PER ASTM A 153.
10. PROVIDE BRIDGING AND BLOCKING PER THE REQUIREMENTS OF NATIONAL FOREST PRODUCTS ASSOCIATION (NFPS) DESIGN SPECIFICATIONS.
11. WHERE TIMBER FRAMING IS SUPPORTED BY STEEL, A TIMBER PLATE SHALL BE FASTENED TO THE TOP FLANGE OF THE STEEL BEAM. HILTI POWDER ACTUATED FASTENERS (OR EQUIVALENT) SHALL BE USED @ 24" O.C. (MAX.)
12. DOUBLE FLOOR JOISTS UNDER BATHTUBS, WHIRLPOOLS, STAIRS, FIREPLACES & ALL PARTITIONS WHERE PARALLEL TO FLOOR JOISTS.
13. ALL MULTIPLE STUD POSTS SHALL BE NAILED TOGETHER WITH (2) COLUMNS OF 12D NAILS @ 16" O.C. WALL SHEATHING SHALL BE ATTACHED TO EACH STUD AT 30" O.C.
14. ALL STUD WALLS TO HAVE SINGLE 2X BOTTOM PLATE & DOUBLE 2X TOP PLATE U.N.O.
15. ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED LUMBER. PROVIDE SIMPSON CAP AND BASE AT ALL POSTS.

MISCELLANEOUS NOTES:

- STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS OF ALL DRAWINGS INTO THEIR SHOP DRAWINGS AND WORK.
- NO OPENINGS, OTHER THAN THOSE SHOWN ON DESIGN DRAWINGS AND APPROVED SHOP DRAWINGS, SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.
- NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.
- OPENINGS OF 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF THOSE OPENINGS. PROVIDE REINFORCEMENT AROUND OPENINGS PER TYPICAL DETAILS SHOWN ON STRUCTURAL DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
- THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR SHALL FURNISH ALL TEMPORARY BRACING AND / OR SUPPORTS REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND / OR SEQUENCES.
- DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS.
- CONTRACTOR'S CONSTRUCTION AND / OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD. EXPANSION JOINTS SHOWN ON THE DRAWINGS HAVE BEEN DESIGNED TO ACCOMMODATE ANTICIPATED THERMAL MOVEMENT AFTER THE BUILDING IS COMPLETE.
- THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY FOR SUCH DEVIATION BY THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
- ALL THINGS WHICH, IN THE OPINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, OMISSIONS, CONTRADICTIONS AND AMBIGUITIES, IN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. PLANS AND

CONCRETE NOTES:

- ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 AND ACI 301, LATEST EDITION. THESE DOCUMENTS SHALL BE AVAILABLE IN THE FIELD OFFICE.
- EXCEPT WHERE OTHERWISE INDICATED, CONCRETE SHALL BE NORMAL WEIGHT AND WITH MINIMUM 28-DAY COMPRESSIVE STRENGTH OF F'C 4000 PSI. ALL EXTERIOR EXPOSED CONCRETE SHALL BE AIR ENTRAINED WITH 6% AIR CONTENT.
- REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- UNLESS NOTED OTHERWISE, ALL SLABS-ON -GRADE SHALL BE REINFORCED WITH ONE (1) LAYER OF 6X6 W2.1 X W2.1 W.W.F.
- ALL PERIMETER WALL AND COLUMN FOOTINGS SHALL BEAR A MINIMUM OF 3'-6" BELOW FINISHED GRADES.
- PLACE ALL SLABS ON GRADE WITH AN APPROVED PATTERN AND SEQUENCE OF CONSTRUCTION AND CONTROL JOINTS (MAXIMUM OF 15'-0" O.C.) TO MINIMIZE SHRINKAGE CRACKS.

GENERAL STEEL NOTES:

- ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION, AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION, EXCEPT AS MODIFIED BELOW OR IN THE SPECIFICATIONS.
- ALL STRUCTURAL STEEL W SHAPES SHALL CONFORM TO ASTM A572 OR A992 GRADE 50. ALL OTHER STRUCTURAL STEEL SHAPES, PLATES AND BARS SHALL CONFORM TO ASTM A36 OR 36, UNLESS NOTED OTHERWISE. COLD FORMED TUBING (INCLUDING PIPES) SHALL CONFORM TO ASTM A500 GRADE C. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GRADE 36 AND BE COMPATIBLE WITH E70XX ELECTRODES.
- ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS AND SHALL CONFORM TO AWS D1.1 "STRUCTURAL WELDING CODE", LATEST EDITION. ALL WELDING ELECTRODES SHALL BE E70XX.
- THE CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS.
- IF CONDITIONS VARY FROM THOSE ON THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- THE CONTRACTOR SHALL OBSERVE ALL SAFETY RULES DICTATED BY CODE AND GOOD PRACTICE.
- SHOULD UNFORESEEN CONDITIONS OR OTHER CAUSE NECESSITATE THE CONSTRUCTION DETAILS TO BE MODIFIED, THE

RAFTER SCHEDULE:
2 X 12 @ 16" O.C. (HEM-FIR (NO) - MAX SPAN OF 22'-3"
2 X 12 @ 12" O.C. (HEM-FIR (NO) - MAX SPAN OF 25'-9"
2 X 10 @ 16" O.C. (S.P.F. #2) - MAX SPAN OF 18'-5"
2 X 10 @ 12" O.C. (S.P.F. #2) - MAX SPAN OF 21'-4"
2 X 8 @ 16" O.C. (S.P.F. #2) - MAX SPAN OF 15'-1"
2 X 8 @ 12" O.C. (S.P.F. #2) - MAX SPAN OF 17'-5"
2 X 6 @ 16" O.C. (S.P.F. #2) - MAX SPAN OF 11'-11"
2 X 6 @ 12" O.C. (S.P.F. #2) - MAX SPAN OF 13'-9"

NOTE:
APA PLYWOOD PANEL SPAN RATINGS
1/2" = 32/16
7/16" = 24/16
3/4" = 48/24

FOLLOW IRC FASTENING TABLES
R602.3(1) & R602.3(2)

BULKING LOAD CALC.
2X4 COLUMN CALC.

$K = 0.671\sqrt{\frac{E}{FC}}$ $E = 1.4X10^6$ FC=1100

=23.93 LC/D = 34.28 LC/D=K - LONG COLUMN

$F'C = (LC/D)^2 - .03E$ = 357 PSI (1.5)(3.5) = 1876# FOR 10'-0" = 1844# O.K.

APA PLYWOOD PANEL SPAN RATINGS
1/2" = 32/16
7/16" = 24/16
3/4" = 48/24

LUMBER BASE VALUES

JOISTS - SPRUCE - PINE- FIR NO.1/ NO.2 OR BETTER.
FB= 875 P.S.I., FV=70 P.S.I., E= 1,400,000 P.S.I.

JOISTS, HEADERS, AND BEAMS - HEM - FIR(N) NO.1/ NO.2 OR BETTER.
FB=675 P.S.I., FC=425 P.S.I., E=1,600,000 P.S.I.

STUDS (10'-0" AND LESS IN HEIGHT) - STUDS GRADE S-P-F OR BETTER.
FB= 875 P.S.I., FC= 1,100 P.S.I., E= 1,400,000 P.S.I.

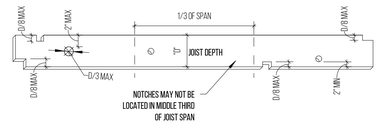
POSTS AND TREATED LUMBER - SOUTHERN- PINE NO. 2 OR BETTER
FB (PER NDS TABLES), FV=90 P.S.I., FC (PER NDS TABLES), E=1,600,000 P.S.I.

LAMINATED STRUCTURAL WOOD BEAMS (GLU-LAM BEAMS)
FB= 2,400 P.S.I., FV= 165 P.S.I., E= 1,900,000 P.S.I.

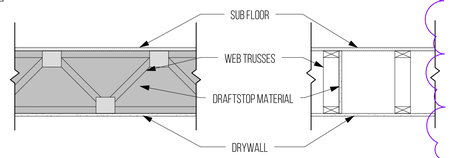
ALL FRAMING MEMBERS DESIGNATED AS "LVL" SHALL BE 1.8E G-P LAM BY GEORGIA PACIFIC OR BETTER
FB= 2,600 P.S.I., FV= 285 P.S.I., E= 1,8000,000 P.S.I.

ALL BATH AND TUB SHOWER WALLS SHALL BE CERAMIC TILE OVER CEMENT BOARD, WITH WATER REPELLENT-SEALED GROUT, PROVIDING A DENSE, SMOOTH, AND WATER REPELLENT SURFACE AS PRESCRIBED BY CODE, TYPICAL

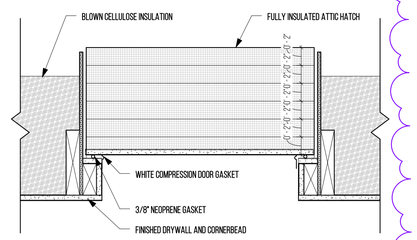
NOTE:
ALL CERAMIC TILE FLOORING SHALL BE: CERAMIC TILE ON UNMODIFIED THINSET MORTAR BED OVER "SCHLUTER DITRA" UNCOUPLING WATERPROOFING MEMBRANE APPLIED TO THINSET MORTAR BED ON PLYWOOD/OSB SUBSTRATE (PER MANUF.



HOLES & NOTCHES IN WOOD JOIST
N.T.S.

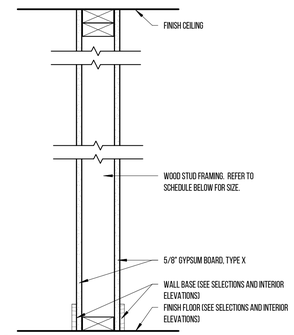


2 DRAFT STOP DETAIL
3/4" = 1'-0"
0 6" 1' 2'



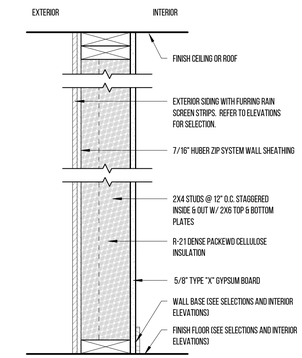
4 ATTIC ACCESS DETAIL
11/2" = 1'-0"
0 3" 6" 1'

PARTITION SCHEDULE		
TYPE MARK	FAMILY AND TYPE	DESCRIPTION
1	BASIC WALL: TYPICAL INTERIOR PARTITION	TYPICAL INTERIOR DIVIDING PARTIION - 5/8" GYP. WALL BOARD, 2X4 WOOD STUD 3-1/2", 5/8" GYP. WALL BOARD
2	BASIC WALL: TYPICAL EXTERIOR PARTITION	TYPICAL EXTERIOR PARTITION WITH SIDING - 1/2" SIDING MATERIAL WITH RAIN SCREEN FURRING STRIPS, 7/16" HUBBER ZIP SYSTEM WALL SHEATHING, 2X4 WOOD STUDS 12" O.C. (3-1/2") W/ 2X6 TOP AND BOTTOM PLATES (5-1/2"), 5/8" TYPE "X" GYP. WALL BOARD- TOTAL THICKNESS = 7-1/16"
3	BASIC WALL: EXTERIOR - 2 HR RATED PARTITION	UL LISTED V337 2HR EXTERIOR WALL WITH HORIZONTAL SIDING -1/2" SIDING MATERIAL, 5/8" GYP BOARD, 7/16" TYPE LP FLAMEBLOCK 2 SIDE, 2X6 STUDS WITH FIRESTOPPING 5 1/2", (2X) 5/8" GYPSUM TYPE X FIRE BOARD - TOTAL 8 3/8" THICK



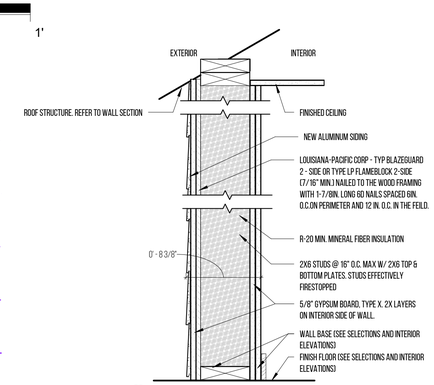
1 TYPICAL INTERIOR PARTITION

MARK	STUD SIZE	FIRE RESISTANCE		SOUND ATTENUATION		
		RATING	TEST	BATT SIZE	STC	TEST
1	2x4 (3 -1/2")					



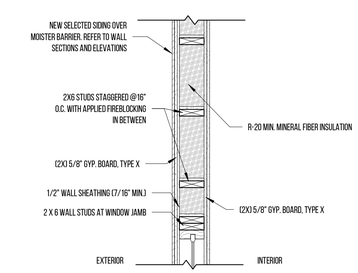
2 TYPICAL EXTERIOR PARTITION

MARK	STUD SIZE	FIRE RESISTANCE		SOUND ATTENUATION		
		RATING	TEST	BATT SIZE	STC	TEST
2	2x6 PLATES W/ STAGGERED 2x4			R-21 DENSE BLOWN CELLULOSE		



3 TYPICAL 2 HR RATED EXTERIOR PARTITION - UL DESIGN NO. V337

MARK	STUD SIZE	FIRE RESISTANCE		SOUND ATTENUATION		
		RATING	TEST	BATT SIZE	STC	TEST
3	2X6 (5-1/2")	2HR	2 HR	5 1/2" MINERAL WOOL		



2 HR RATED EXTERIOR BEARING WALL PARTITION - UL DESIGN NO. V337

8 2 HR EXTERIOR FRAME WALL
3/4" = 1'-0"
0 6" 1' 2'

3 PARTITION TYPES
11/2" = 1'-0"
0 3" 6" 1'

2

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NEW HOME RENOVATION
2309 NORTH MAPLEWOOD AVENUE, CHICAGO, IL
BRAD HUFF AND ANNE MARIE JENSEN

EXPIRES: 11.30.2022 STAMP

REVISIONS		
NO.	COMMENTS	DATE
1	SCHEMATIC SET	02.24-2021
2	PERMIT DEVELOPMENT	03-12-2021
3	PERMIT SET	03-19-2021
4	PERMIT ZONING CORRECTIONS	11-23-2021

F1.0

SCALE AS INDICATED

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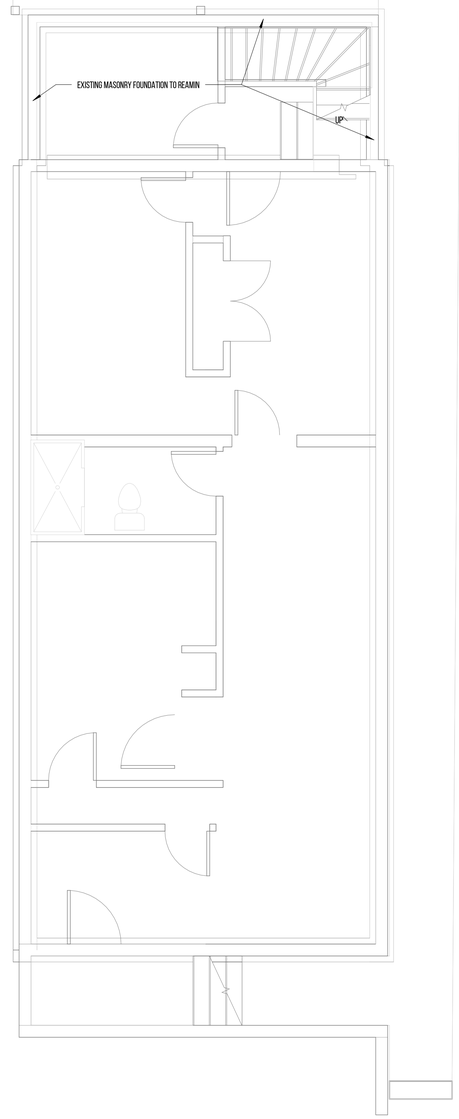
NOTE:

- PROVIDE LATERAL BLOCKING IN ALL BEARING AND EXTERIOR WALLS UNLESS NOTED OTHERWISE
- ALL MATERIAL SELECTIONS AND FINISHES SHALL BE SELECTED BY OWNER
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED FILL HAVING A MINIMUM ASSUMED ALLOWABLE BEARING CAPACITY OF 3000 PSF TO BE VERIFIED BY THE OWNER'S SOIL AGENCY PRIOR TO CONSTRUCTION.
- ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY A SOILS TESTING LABORATORY PRIOR TO PLACEMENT OF CONCRETE
- ALL COMPACTED FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 12", AND COMPACTED TO A MINIMUM DENSITY OF 95% UNDER FOOTINGS, 90% UNDER SLABS AND PAVEMENTS, OBTAINED IN ACCORDANCE WITH ASTM D-1557-78 (COHESIVE SOILS).
  1. B.P. = BEARING POINT
- THE CONTRACTOR MUST CHECK ALL DIMENSIONS, DETAILS AND JOBSITE CONDITIONS AND BE RESPONSIBLE FOR THEM. THIS FIRM SHALL NOT
- BE HELD RESPONSIBLE FOR CONSTRUCTION METHODS OR MEANS BY THE CONTRACTOR AND OR ANY SUBCONTRACTOR AND THEIR TRADESMEN.
- ALL TRADES MUST CONFORM TO CURRENT EXISTING CODES APPLYING TO THIS PROJECT. CONTRACTORS TO VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE EXECUTING ANY WORK. REPORT ANY DISCREPANCIES AT ONCE. DO NOT SCALE DRAWINGS USE FIGURED DIMENSIONS ONLY.
- UNIT GLASS AND/OR MULTIPLE UNIT GLASS SHALL BE INSULATED TEMPERED SAFETY GLASS PER ANSI SPECS.
- PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDRAILS NOT LESS THAN 36 INCHES IN HEIGHT. HANDRAILS THAT FORM PART OF A GUARDRAIL SHALL BE 36 INCHES MIN. AND 38 INCHES MAX. REQUIRED GUARDRAILS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR AREAS, BALCONIES AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSURES WHICH DO NOT ALLOW PASSAGE OF AN OBJECT 4 INCHES OR MORE IN DIAMETER.
- ENCLOSED ACCESSIBLE SPACES UNDER STAIRS SHALL HAVE THE WALLS, UNDER STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH A MINIMUM OF 1 /2 INCH GYPSUM BOARD.
- FIRE STOP SOFFITS AND STAIR STRINGERS AT TOPS AND BOTTOMS WITH APPROVED MATERIALS.
- FILL CAVITIES BETWEEN FLOORS AND BETWEEN OTHER FIRE SEPARATED ZONES WITH APPROVED FIRE STOPPING MATERIALS.
- ALL UN DIMENSIONED WALLS ARE 4 3/4" FINISHED
- (2X4 STUDS WITH GYPSUM BOARDS EACH SIDE) UNLESS OTHERWISE NOTED.
- WELDING OF REINFORCING BARS WILL ONLY BE ALLOWED WHEN SHOWN ON THE STRUCTURAL BE DRAWINGS.
- REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM SPECIFICATION A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
- PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITIONS SHOWN ON THE PLANS AND DETAILS. PLASTIC COATED ACCESSORIES SHALL BE USED IN ALL EXPOSED CONCRETE WORK.
- FOUNDATION WALLS AND GRADE BEAMS SHALL HAVE A MINIMUM OF TWO- #5 BARS TOP AND BOTTOM CONTINUOUS, UNLESS OTHERWISE SHOWN OR NOTED.
- CONTROL JOINTS FOR SLABS-ON-GRADE SHALL BE IN A SQUARE PATTERN AND BE NOT MORE THAN 20FT. ON CENTER, UNLESS NOTED OTHERWISE ON PLAN.
- CONCRETE CONTRACTORS SHALL CHECK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK, AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR PROPER LOCATION BEFORE PLACING CONCRETE.
- PITCH CONCRETE SLABS AS REQUIRED TO ALL FLOOR DRAINS.
- NO ALUMINUM OF ANY TYPE SHALL BE ALLOWED IN THE CONCRETE WORK, UNLESS COATED TO PREVENT ALUMINUM-CONCRETE REACTION. THIS INCLUDES PUMPING THROUGH ALUMINUM PIPE.
- ELECTRICAL CONDUIT MUST BE PLACED ABOVE THE BOTTOM REINFORCEMENT AND BELOW THE TOP REINFORCEMENT. ELECTRICAL CONDUIT EMBEDDED IN SLABS SHALL NOT BE LARGER THAN 1 /3 OF THE SLAB THICKNESS AND SHALL NOT BE SPACED CLOSER THAN THREE CONDUIT DIAMETERS.
- WHERE AND WHEN CALLED FOR ALL CLEAN GRANULAR FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% OF "ASTM" D-1557-70 (MODIFIED PROCTOR) DENSITY.
- CONTRACTOR SHALL PROTECT FOUNDATION AGAINST LATERAL DISPLACEMENT, AND HEAT OR FREEZING CONDITIONS.
- ALL WELDED WIRE MESH SHALL BE LAPPED TWO FULL MESH PANELS AND TIED SECURELY. WELDED WIRE MESH SHALL CONFORM TO "ASTM" A-185 SPEC.
- ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED OF LAITANCE WITH A WIRE BRUSH AND WATER IMMEDIATELY PRIOR TO POURING OF SUBSEQUENT OR NEW CONCRETE.
- LL NORMAL WEIGHT CONCRETE (145 PCF) SHALL OBTAIN A MINIMUM 28-DAY COMPRESSIVE STRENGTH AS FOLLOWS:
  - SPREAD FOOTINGS 4000 PSI

FOUNDATION NOTES:

- BEFORE BACKFILL, PROVIDE SHORING FOR THE FOUNDATION WALL INDICATED. SHORING SHALL REMAIN IN PLACE UNTIL ROUGH FRAMING FOR THE ROOF STRUCTURE IS COMPLETE.
- ALL SLABS SHALL BE CONSTRUCTED WITH WELDED WIRE FABRIC AND WITH CONTROL JOINTS HAVING A DEPTH OF AT LEAST
- ONE-FOURTH THE SLAB THICKNESS, AND JOINTS SHALL BE SPACED AT INTERVALS NOT MORE THAN 30 FEET IN EACH DIRECTION. SLABS NOT RECTANGULAR IN SHAPE SHALL HAVE CONTROL JOINTS ACROSS THE SLAB AT POINTS OF OFFSET, IF OFFSET EXCEEDS 10 FEET.
- ALL BASEMENT ELECTRICAL OUTLETS IN UNFINISHED AREAS MUST BE GROUND-



1 EST. AVERAGE GRADE HEIGHT
1/4" = 1'-0"

2

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F2.0

SCALE 1/4" = 1'-0"

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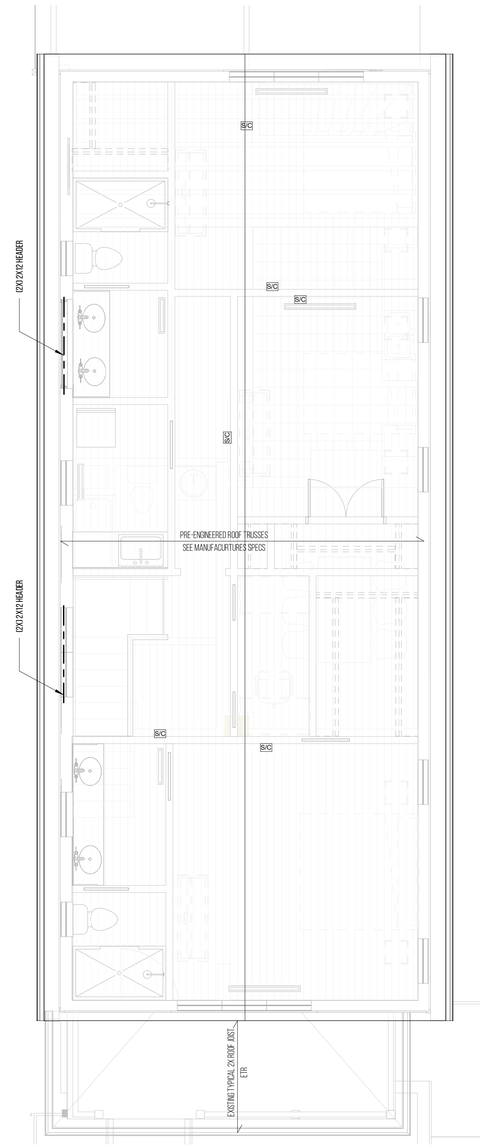
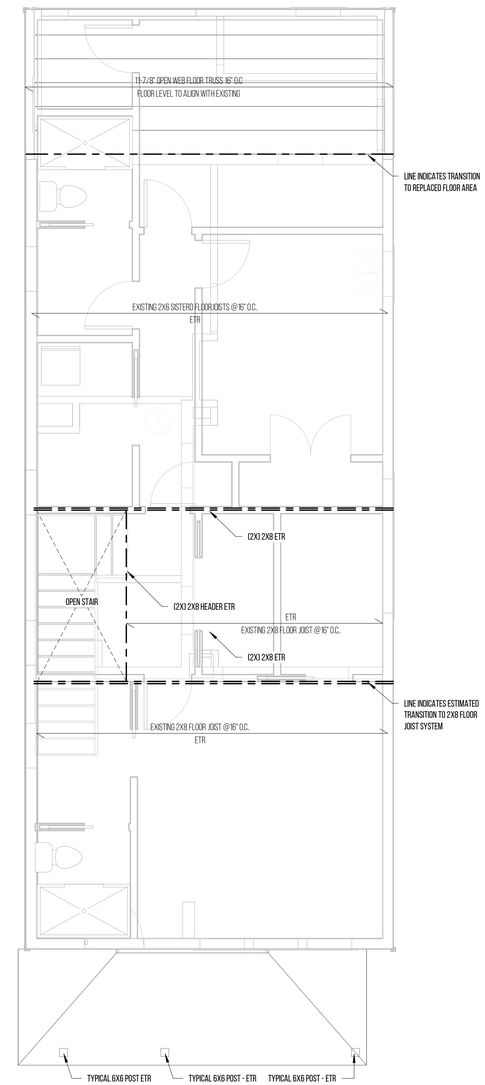


1 ROOF FRAMING PLAN
1/4" = 1'-0"

NOTE : ALL HEADERS FOR WINOWS AND DOORS REFER TO NOTE 4 IN STRUCTURAL DESIGN CRITERIA ON SHEET F.10 . UNLESS NOTED OTHERWISE ON FRAMING PLANS.



2 T/O SECOND FLOOR
1/4" = 1'-0"

0 1' 2' 4' 8'

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F2.2

SCALE 1/4" = 1'-0"

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MECHANICAL NOTES:

1. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT AND LOCATION OF THE WORK INCLUDED. WORK INDICATED, BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED, SHALL BE PROVIDED, INCLUDING THESE DETAILS WITHOUT EXTRA COST.
2. FOR ADDITIONAL DETAILS, THE ARCHITECTURAL AND ACCOMPANYING ENGINEERING DRAWINGS SHALL BE CONSUL TED AND ALL THIS WORK SHAL ADHERE TO SAME.
3. ALL NEW DUCTWORK SHALL BE CONSTRUCTED OF PRIME FIRST QUALITY GALVANIZED STEEL SHEETS. GUAGES OF METAL SPACING ECT., SHALL BE CONFORM TO LATEST EDITION OF THE ASHREA CONSTRUCTION STANDARDS.
4. SPRING TYPE VIBRATION ISOLATORS SHALL BE PROVIDED WITH ALL NEW EQUIPMENT
5. ALL TRANSFER AND EXHAUST FAN DUCTS SHALL HAVE SOUND LINING AND BE CONSTRUCTED WITH ELBOWS AS SHOWN
6. BRANCH TAKE-OFFS SHALL HAVE SPLITER DAMPERS OR MANUAL VOLUME DAMPERS FOR ALL SUPPLY OR RETURN AIR DUCT BRANCHES
7. PROVIDE FACTORY-FABRICATED TURNING VANES IN ALL SQUARE ELBOWS. VANES SHALL BE BARBER-COLMAN "AIRTURNS" OR APPROVED EQUAL
8. CONTRACTOR SHALL INSTALL DUCTWORK TO MAINTAIN CEILING HEIGHTS AS ESTABLISHED BY ARCHITECT. PROVIDE ALL NECESSARY OFFSETS.
9. PROVIDE FIRE DAMPERS IN AIR DUCTS PENETRATING THE RATED WALLS REFER TO ARCH. DRAWINGS FOR FIRE RATINGS.
10. ALL CUTTING AND PATCHING OF HOLES AND ALL RISES AND DROPS IN DUCTWORK FOR THIS WORK IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY
11. UPON COMPLETION OF THE INSTALLATION OF VENTILATION DUCTS, CLEAN ENTIRE SYSTEM OF RUBBISH, PLASTER, DIRT, ECT., BEFORE INSTALLATION OF GRILLES OR DIFFUSERS.
12. ALL DUCTWORK TO BE SHEET METAL
13. PROVIDE LOCKING TYPE DAMPERS
14. FLOOR REGISTERS NOT MORE THAN 9" FROM A WALL
15. HEAT ALL ROOMS - 10 OUTSIDE TO 70 INSIDE
16. PROVIDE HUMIDIFYING DEVICE
17. NOISE LEVEL NOT TO EXCEED 5 DECIBLE AT LOT LINE
18. WHERE LOCATED ADJACENT TO WALKWAYS, THE TERMINATION OF MECHANICAL DRAFT SYSTEMS SHALL NOT BE LESS THAN 7'-0" ABOVE THE WALKWAY
19. VENTS SHALL TERMINATE AT LEAST 3' ABOVE ANY FORCED AIR INLET LOCATED WITHIN 1 0'
20. THE VENT SYSTEM SHALL TERMINATE AT LEAST 4' BELOW, 4' HORIZONTALLY FROM OR 1' ABOVE ANY DOOR, WINDOW, OR GRAVITY INLET INTO BUILDING
21. THE VENT TERMINATION POINT SHALL NOT BE LOCATED CLOSER THAN 3' TO AN INTERIOR CORNER FROMED BY TWO WALLS PERPENDICULAR TO EACH OTHER
22. VENT TERMINATION SHALL NOT BE MOUNTED DIRECTLY ABOVE OR WITHIN 3' HORIZONTALLY FROM AN OIL TANK VENT OR GAS METER
23. THE BOTTOM OF THE VENT TERMINATION SHALL BE LOCATED AT LEAST 12" ABOVE FINISHED GRADE
24. GAS PIPING: SCH. 40 BLACK STEEL WITH MALLEABLE IRON FITTING.
25. ALL ELECTRICAL EQUIPMENT SHALL BE UL. LISTED.
26. PORVIDE SHUT OFF VALVE ON ALL GAS APPLIANCES
27. OUTSIDE AIR INTAKE OPENING SHALL BE AT A LOCATION WHERE THE AIR WILL BE UNCONTAMINATED AND THAT THE OPENING WILL BE UNOBSTRUCTED AND A MIN. OF 15 FEET FROM ANY EXHAUST OPENING AND 10 FEET ABOVE GRADE.
28. THERMOSTATS SHALL BE FURNISHED AND INSTALLED WITH EACH HEATING AND COOLING UNIT, 48" ABV. FINISHED FLOOR
29. HEATING CONTRACTOR SHALL BALANCE SYSTEM TO AIR QUANTITIESS SHOWN ON PLAN
30. HEATING & COOLING EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ACCA MANUAL "S" AS CALCULATED IN ACCORDANCE WITH ACCA MANUAL "J"
31. ALL DUCTWORK SHALL BE SEALED AND INSULATED APPROPRIATELY BASED ON ITS LOCATION AND IECC STANDARDS.
32. NO SUPPLY DUCTS TO BE LOCATED IN UNCONDITIONED ATTIC
33. ALL DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED, JOINTS AND SEAMS SHALL COMPLY WITH SECTION M1601.4.1 OF THE IECC 403.3.2.
34. ALL DUCTWORK OUTSIDE OF BUILDING ENVELOPE INSULATED TO R-8.
35. HEATING AND COOLING EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH ACCA MANUAL S BASED ON BUILDING LOADS CALCULATED IN ACCORDANCE WITH ACCA MANUAL J, 2018 IECC SECTION 403. 7.
36. KITCHEN HOOD VENT <400 CFM. NO MAKE UP AIR REQUIRED.
37. ONE THERMOSTAT WILL BE PROGRAMMABLE PER R403.1 AND R403.1.1.
38. FRESH AIR INTAKE: HONEYWELL Y8150 ELECTRONIC FRESH AIR VENTILATION CONTROL WITH MANUEL OVERRIDE CONTROL.
39. WHERE TWO OPENINGS INTO AN ADJACENT SPACES ARE UTILIZED FOR COMBUSTION AIR IN A CONFINED SPACE, ONE IS TO BE WITHIN 12" OF THE CEILING AND ONE WITHIN 12" FROM THE FLOOR OF THE SPACE. MINIMUM OPENING SIZE OF 100 SQUARE INCHES AND 3" MINIMUM DIMENSION. SIZE AND LOCATE OPENINGS BASED ON ESTIMATED 24,000 BTU /H GAS DRYER WHERE DRYER HAS NOT BEEN CHOSEN
40. ALL DWV PLUMBING WORK SHALL BE SUBJECT TO A "STACK TEST" PRIOR TO BURIAL, COVERAGE, OR
41. CONCEALMENT WITHIN THE STRUCTURE.
42. HOT WATER DISTRIBUTION TO BE ADEQUATE TO PROVIDE AND MAINTAIN THE DESIGN
43. TEMPERATURE WITHIN 20 SECONDS, WITH THE FAUCET/VALVE IN A FULL OPEN POSITION.
44. WATER HEATER CAPACITY SHALL BE ADEQUATE TO SIMULTANEOUSLY FILL ALL

REFRIDERATION NOTES:

- INSTALL A PRESSURE RELIEF VALVE ON THE HIGH PRESSURE SIDE OF THE SYSTEM. UPSTREAM OF ANY INTERVENING VALVES
- REMOVE EXPANSION VALVES, DEVICES, & CONNECTIONS FROM AIR STREAM
- REFRIGERATION PIPING TO BE TYPE "K" COPPER OR ACR PROVIDED PRESSURE DOESN'T EXCEED THAT ALLOWED BY ACR COPPER
- ALL CONNECTIONS AND DEVICES TO BE BRAZED

CALCULATED DRYER VENT LENGTH:

- DRYER VENTED TO THE WALL CAP.
- STRAIT PIPE: 15
- 90 DEGREE ELBOWS (=5 FT.)-1
- 45 DEGREE ELBOWS (=2 FT.)-0
- EQUIVALENT LENGTH:
- 5+(1 X5)=20 FT.

REGISTER INFORMATION:

☒	HART AND COOLEY MODEL #420/421 4" X 10" FLOOR REGISTER TYPE
◪	HART AND COOLEY MODEL #672/674 24" X 24", 6" X 10", 6" X12" L.S.W., N.S.W. R.A. GRILLS

LIGHT & VENTILATION

FAMILY AND TYPE	ROOM AREA	FROM ROOM: NAME	REQUIRED LIGHT	DAYLIGHT AREA TEXT	REQUIRED VENT	VENT AREA TEXT
CASEMENT WINDOW: 60" X 18" - TRANSOM	32 SF	BATH 2	3 SF	5 SF	1 SF	0
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	158 SF	BEDROOM 2	13 SF	3.12 SF	6 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	158 SF	BEDROOM 2	13 SF	3.12 SF	6 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	158 SF	BEDROOM 2	13 SF	3.12 SF	6 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	125 SF	BEDROOM 3	10 SF	3.12 SF	5 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	125 SF	BEDROOM 3	10 SF	3.12 SF	5 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	49 SF	LAUNDRY	4 SF	3.12 SF	2 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5 2	49 SF	LAUNDRY	4 SF	1.45 SF	2 SF	2.55 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	197 SF	OWNER'S BEDROOM	16 SF	3.12 SF	8 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	197 SF	OWNER'S BEDROOM	16 SF	3.12 SF	8 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	197 SF	OWNER'S BEDROOM	16 SF	3.12 SF	8 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	197 SF	OWNER'S BEDROOM	16 SF	3.12 SF	8 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	197 SF	OWNER'S BEDROOM	16 SF	3.12 SF	8 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 32" X 48"	197 SF	OWNER'S BEDROOM	16 SF		8 SF	
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 32" X 48"	197 SF	OWNER'S BEDROOM	16 SF		8 SF	
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 30" X 48"	41 SF	OWNERS BATH	3 SF	2.48 SF	2 SF	3.88 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	80 SF	STAIR HALL	6 SF	3.12 SF	3 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5	80 SF	STAIR HALL	6 SF	3.12 SF	3 SF	4.72 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 2.5 2	80 SF	STAIR HALL	6 SF	1.45 SF	3 SF	2.55 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 24" X 30"	31 SF	W.C.	2 SF	.77 SF	1 SF	1.62 SF
JELD-WEN_CUSTOM_WOOD_CLAD_EPIC_DOUBLE_HUNG_OPERATING_UNITS: 24" X 30"	31 SF	W.C.	3 SF	.77 SF	1 SF	1.62 SF

GRAND TOTAL: 21

MECHANICAL VENTILATION

NAME	AREA	REQUIRED VENT	ACTUAL VENT
BEDROOM 2	158 SF	12.634454	
BEDROOM 3	125 SF	9.966875	
STAIR HALL	48 SF	3.832253	
LAUNDRY	49 SF	3.894525	
BATH 2	32 SF	2.54625	
W.C.	31 SF	2.495797	
CLOSET	26 SF	2.115966	
OFFICE NOOK	36 SF	2.88	
OWNER'S CLOSET	51 SF	4.108125	
OWNER'S BEDROOM	197 SF	15.77071	
OWNERS BATH	41 SF	3.299023	
W.C.	31 SF	2.509985	
STAIR HALL	80 SF	6.387122	
CLOSET	20 SF	1.607812	
LINEN CLST	4 SF	0.333333	
EXISTING LIVING	159 SF	12.738653	
EXISTING BATH	68 SF	5.416775	
EXISTING BEDROOM	123 SF	9.812149	
EXISTING KITCHEN	138 SF	11.054803	
EXISTING DINING	144 SF	11.543453	
EXISTING FOYER	141 SF	11.291805	
EXISTING STORAGE	22 SF	1.72224	
EXISTING SUN ROOM	113 SF	9.014071	
EXISTING SIDE ENTRANCE STAIR	27 SF	2.199848	

A/C EQUIPMENT

TYPE MARK	COUNT	DESCRIPTION	MODEL	NORMAL COOLING TONS	TOTAL COOLING @ AIR CONDITIONS BTUH	ELECTRICAL DATA	SEER	COMPRESSOR LRA	COMPRESSOR RLA	MIN. CIRCUIT AMP	R-22	NOTES
R2	1	BASE BOARD RADIATOR										
R3	1	BASE BOARD RADIATOR										
R3	1	BASE BOARD RADIATOR										
R2	1	BASE BOARD RADIATOR										
R2	1	BASE BOARD RADIATOR										
R3	1	BASE BOARD RADIATOR										
R4	1	HIGH VELOCITY AHU - SPACEPAK	WCSP - 3642 J									
~~R1~~	1	~~13 SEER, ENERGY SERVICES PRIVATE LABEL~~	~~PA13NA024~~	~~2.0~~	~~30200.0 BTU/H~~	~~208-230/1/60~~	~~13~~	14.1/14.1	72.5	25/25	88	-

REFRIGERATION

TYPE MARK	DESCRIPTION	LOCATION OF COMPRESSOR	REFRIGERANT USED	REFRIGERANT WEIGHT	COMPRESSOR TYPE	CAPICTY TONS	CAPACITY HP	COOLING TYPE: WATER OR AIR	REMOTE OR SELF-CONTROLLED
R1	CONDENSING UNIT	GRADE	R-410A	5LBS	SCROLL	3.0	3/4	AIR	REMOTE

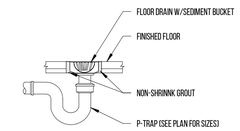
2

MECHANICAL LEGEND

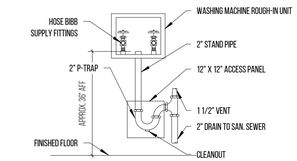
SUPPLY LINE	━━ ━ ━ ━━	SUPPLY VENT	☒
RETURN LINE	—— – – ——	SUPPLY FOR ABOVE VENT	⊠
EXHAUST FAN	⊠——┤	RETURN VENT	◪
EXHAUST	┄┄┄┤	RETURN FOR ABOVE VENT	◪
AIR INTAKE	━ ╸━ ╸┫	SUPPLY MAIN	⊗
RADIATOR	▭	RETURN MAIN	◪

MECHANICAL GENERAL NOTES

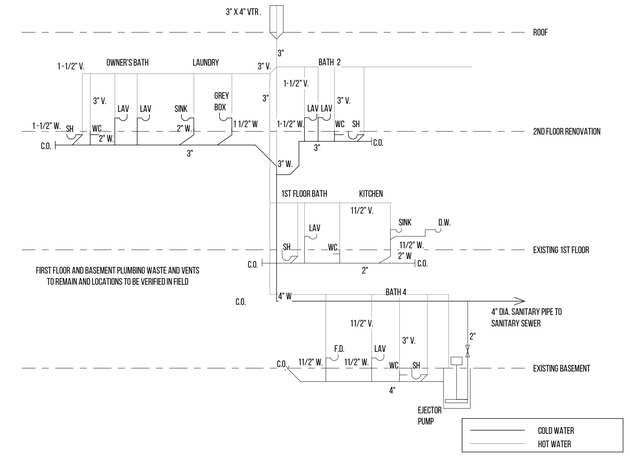
1. EXISTING RADIATORS TO REMAIN AT FIRST FLOOR AND BASEMENT
2. HIGH VELOCITY A/C UNIT TO BE INSTALLED IN NEW ATTIC



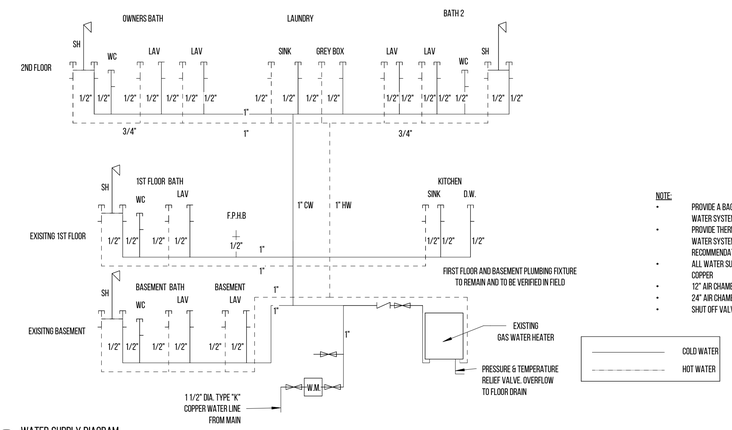
FLOOR DRAIN
N.T.S.



WASHING MACHINE HOOK-UP
N.T.S.



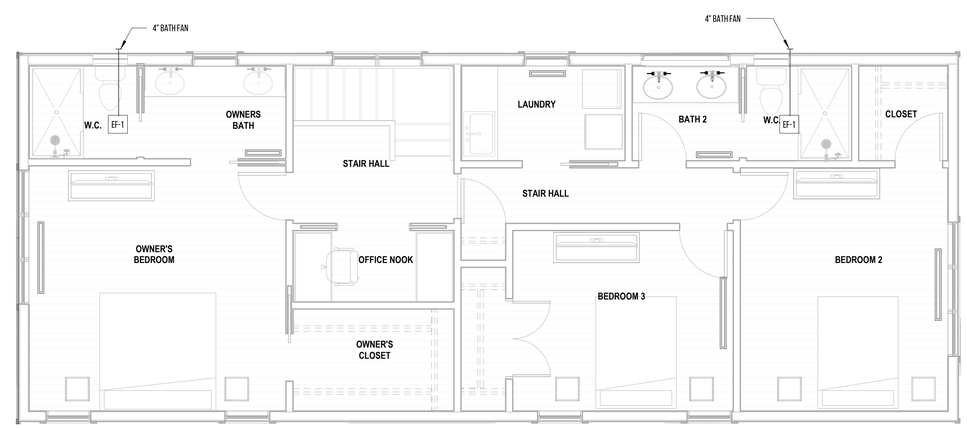
① WASTE & VENT DIAGRAM
3/16" = 1'-0"



NOTE:

- PROVIDE A BACK FLOW PREVENTER IN WATER SYSTEM
- PROVIDE THERMAL EXPANSION DEVICE IN WATER SYSTEM PER MANUFACTURERS RECOMMENDATIONS
- ALL WATER SUPPLY LINES TO BE TYPE "K" COPPER
- 12" AIR CHAMBER AT EACH FIXTURE
- 24" AIR CHAMBER AT EACH RISER
- SHUT OFF VALVE AT EACH FIXTURE

② WATER SUPPLY DIAGRAM
1/4" = 1'-0"



③ SECOND FLOOR PLAN - MECH
1/4" = 1'-0"

0 1' 2' 4' 8'

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630-474-5323
15 SPINNING WHEEL RD #124,
HINSDALE, IL 60521

NEW HOME RENOVATION

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BRAD HUFF AND ANNE MARIE JENSEN

EXPIRES: 11.30.2022 STAMP

REVISIONS

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4	PERMIT ZONONG CORRECTIONS	11-23-2021

MP1.0

SCALE AS INDICATED

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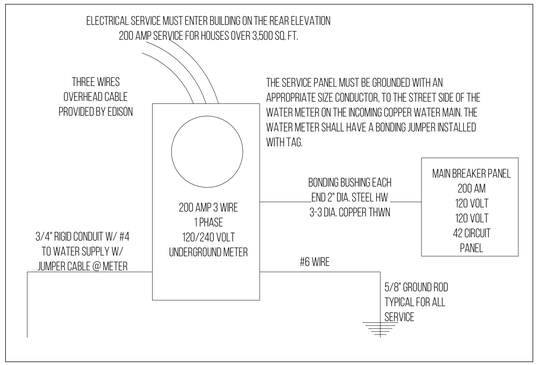


ELECTRICAL METER

N.T.S.

- COMPLY WITH ALL GOVERNING CODES AND REGULATIONS.
- COMPLY WITH THE " 2005 NATIONAL ELECTRICAL CODE".
- USE COPPER WIRE ONLY.
- PROVIDE "GFI (GROUND FAULT INTERRUPTER) PROTECTION FOR ALL BATH ROOMS AND & OTHER DAMP AREAS.
- ELECTRICAL OUTLETS IN THE BASEMENT TO BE "GFCI" PROTECTED.
- 110 V. INTERCONNECTED SMOKE DETECTORS MUST BE INSTALLED IN THE BASEMENT, FIRST, SECOND FLOORS AND IN ALL SLEEPING ROOMS.
- INSTALL C.O .. " AS REQUIRED BY LOCAL CODES.
- ALL WHIRLPOOL TUB/SPAS TO BE ON SEPARATE "GFCI" PROTECTED CIRCUITS
- ALL SWITCHES IN BATHROOMS TO BE ON "GFCI" PROTECTED CIRCUITS
- ALL RECEPTACLES INSTALLED IN SLEEPING ROOMS TO BE PROTECTED BY AN "ARC FAULT" INTERRUPTER.
- MIN. SIZE OF CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE NO. 14 COPPER. ALL CONDUCTORS USED FOR FEEDERS AND BRANCH CIRCUITS MUST BE COPPER.
- ALL WIRING SHALL BE INSTALLED IN RIGID METALLIC TUBING.
- THE FOLLOWING ADDITIONAL SEPARATE BRANCH CIRCUITS SHALL BE REQ'D AS NEEDED:
  - CENTRAL AIR CONDITIONING SYSTEMS
  - ELECTRIC RANGE
  - BUILT-IN MICROWAVE OVEN
  - THROUGH-WALL AIR CONDITIONERS & HEATING UNITS
  - MOTORS OF 1/2 HORSEPOWER OR LARGER
  - ELECTRIC WATER HEATERS
  - ELECTRIC DRYERS - 240 VOLT, MIN. NO. 10 WIRE WITH "L" SHAPED RECTANGLE.
  - SUMP PUMP
  - SANITARY EJECTOR PUMP

- ALL EXTERIOR GFCI OUTLETS SHALL HAVE IN-USE COVERS AND BE GFCI
- MIN. ONE EXTERIOR OUTLET TO BE WITHIN 6' OF GRADE
- EJECTOR PIT TO BE ON DEDICATED CIRCUIT
- SWITCHES WITHIN 5' OF EDGE OF TUB OR SHOWERS ARE REQUIRED TO BE GFCI PROTECTED
- BOXES IN CEILINGS SHALL BE CAPABLE OF SUPPORTING FANS IN ACCORDANCE WITH 314.27 (A) AND (D) AND 422.18
- ALL 120-VOLT, SINGLE PHASE, 15 AND 20 AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNITS: FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR ARIAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT
- RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINAIRES SHALL BE IC-RATED AND LABELED AS MEETING ASTM E 283. ALL RECESSED LUMINAIRES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING

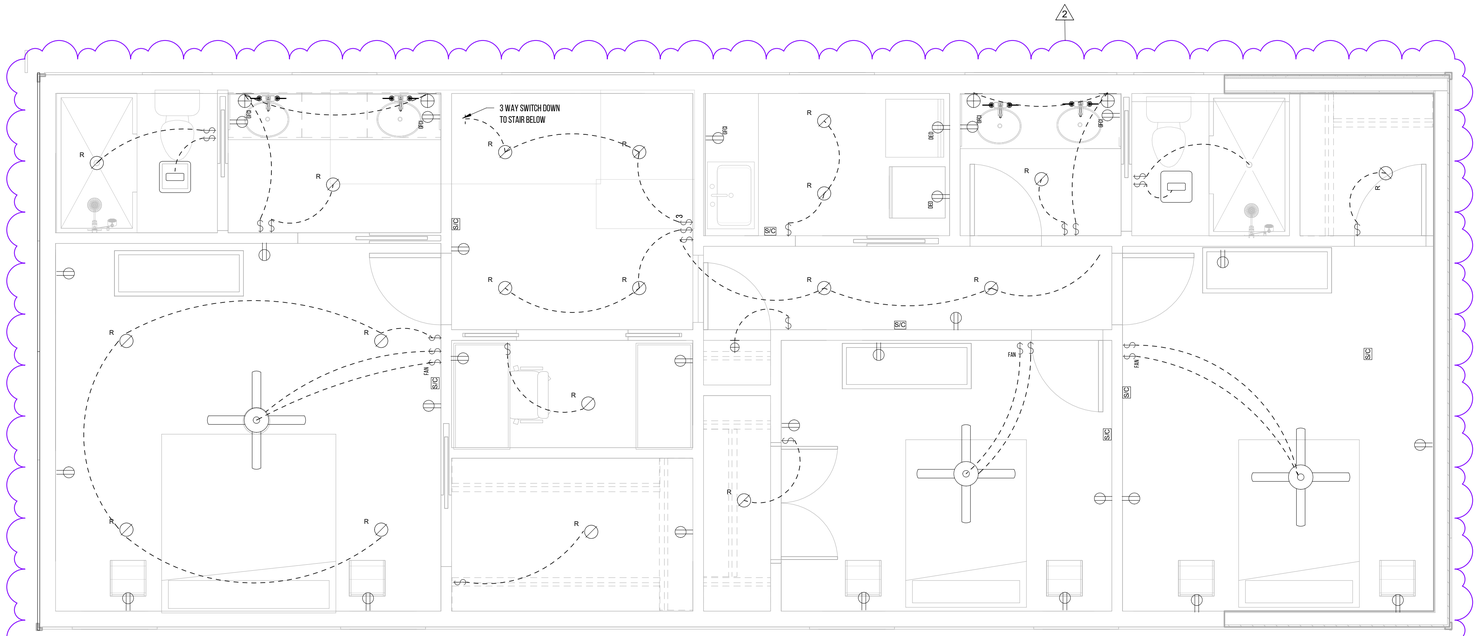
- OUTLETS INSTALLED IN DWELLING UNIT: FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT
- GROUND FAULT CIRCUIT INTERRUPTER PROTECTION FOR RECEPTACLES IN THE FOLLOWING LOCATIONS: BATHROOMS, GARAGE, EXTERIOR, BASEMENT, & KITCHEN
- COUNTERTOP RECEPTACLES WITHIN 6 FEET OF THE OUTSIDE EDGE OF A WET BAR SINK
- PER LOCAL ORDINANCE 9-6-5" RACEWAY OR CONDUITS:
- WIRING: ALL WORK OVER 50 VOLTS SHALL BE INSTALLED IN HEAVY WALL, ELECTRICAL METALLIC TUBING, OR SURFACE METAL RACEWAYS EXCEPT THAT IT SHALL BE PERMISSIBLE TO USE AN EXTENSION OF FLEXIBLE METAL CONDUIT, GREENFIELD OR EQUAL, NOT MORE THAN 6' IN LENGTH WHERE FLEXIBLE CONNECTORS ARE NECESSARY. ALL FLEXIBLE CONDUITS TO HAVE SEPARATE GROUND WIRE PULLED. CONDUITS SHALL BE SECURELY SUPPORTED. INDEPENDENT OF OUTLET BOXES AND CABINETS. ALL RACEWAY JOINTS SHALL BE MADE TIGHT AND SHALL PROVIDE A CONTINUOUS ELECTRICAL CIRCUIT FOR GROUNDING PURPOSES. WHEREVER POSSIBLE, CONDUIT SHALL BE USED. (ORD. 02008-46, 8-12-2008). PROVIDE AS REQUIRED.

- BOXES IN CEILINGS SHALL BE CAPABLE OF SUPPORTING FANS IN ACCORDANCE WITH 314.27 (A) AND (D) AND 422.18
- SWITCHES WITHIN 5' OF EDGE OF TUB OR SHOWERS ARE REQUIRED TO BE GFCI PROTECTED
- GFCI RECEPTACLE SHALL BE INSTALLED IN THE KITCHEN SO THAT NO POINT ALONG THE WALL COUNTER IS MORE THAN 24" HORIZONTALLY FROM A RECEPTACLE OUTLET
- PROVIDE A MIN. OF R5 VALUE INSULATED DUCTWORK FOR EXHAUST FANS IN UNHEATED ATTIC SPACE
- OUTLETS SERVING KITCHEN COUNTERTOP SURFACES SHALL BE SPACED 48" O.C. MAX
- INSTALL SEPARATE 20AMP BRANCH CCTS FOR THE LAUNDRY AND BATHROOM OUTLET LOADS
- INSTALL SEPARATE 20AMP BRANCH CCTS FOR THE SMALL APPLIANCE
- ALL RESIDENTIAL UNITS TO BE EQUIPPED WITH A CARBON MONOXIDE DETECTOR WITHIN THE FEET OF EVERY ROOM USED FOR SLEEPING. THE CARBON MONOXIDE DETECTOR SHALL BE

ELECTRICAL NOTES

- ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL ELECTRICAL, BUILDING AND FIRE CODES APPLICABLE FEDERAL AND STATE REGULATIONS.
- LAYOUT IS DIAGRAMMATIC AND THE CONTRACTOR SHALL INSTALL EQUIPMENT TO MEET THE FIELD CONDITIONS.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTION FEES AS REQUIRED FOR HIS PORTION OF THE WORK
- CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL COMPLETION.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE RESPECTIVE TRADES AND VERIFY LOCATIONS FROM THE ARCHITECTURAL DRAWINGS, FIELD MEASUREMENTS AND SUPPLIER SHOP DRAWINGS.
- CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORK AND FACILITY LOCATIONS AND VERIFY WITH THE LOCAL GOVERNING BODIES.
- CONTRACTOR SHALL FURNISH SHOP DRAWINGS ON ALL EQUIPMENT AND FIXTURES TO ARCHITECT FOR REVIEW; QUALITY AS PER GENERAL PROVISIONS.
- CONTRACTOR SHALL CHECK ALL DRAWINGS AND SPECIFICATIONS OF OTHER TRADES AND INCLUDE IN HIS BID ANY ADDITIONAL WORK REQUIRED BY THIS TRADE.
- ALL EXISTING CONDITIONS MUST BE VERIFIED AT THE PROJECT SITE BY THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO MAKE ANY AND ALL PROVISIONS NECESSARY TO ADAPT THE NEW WORK TO EXISTING CONDITIONS. ALL SUCH ADAPTATIONS MUST BE REVIEWED BY THE ARCHITECT AND MUST BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL AVOID ALL STRUCTURAL SUPPORT MEMBERS. RELOCATE EQUIPMENT AS NECESSITATED BY FIELD CONDITIONS, FROM WHERE SHOWN DRAWINGS. CUTTING SHALL ONLY BE DONE AFTER OBTAINING ARCHITECT'S REVIEW.
- CIRCUIT NUMBERS GIVEN ON DRAWINGS ARE FOR CIRCUIT IDENTIFICATION ONLY. THE
- CONTRACTOR SHALL INSTALL CIRCUITRY AS GOVERNED BY FIELD CONDITIONS. HE SHALL KEEP A TYPED RECORD CORRELATING GIVEN AND ACTUAL CIRCUIT NUMBERS AND RECORD THIS INFORMATION ON THE PANEL DIRECTORIES
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF THE OTHER CONTRACTORS AND WITH THE EXISTING JOB SITE CONDITIONS. HE SHALL RELOCATE EQUIPMENT AS REQUIRED TO AVOID CONFLICT WITH OTHER TRADES. ALL DEVIATIONS SHALL BE APPROVED BY THE ARCHITECT BEFORE EXECUTION OF WORK.
- CONDUCTORS SHALL BE COPPER, MINIMUM # 14 A.W.G. WITH TYPE THWN INSULATION.
- RACEWAY FITTINGS SHALL BE GALVANIZED STEEL, CODE APPROVED TYPE.
- ALL BRANCH CIRCUITS SHALL BE GROUPED INTO PHASE BALANCED MULTIPLE CIRCUITS HOMERUNS. A MAXIMUM OF 6 CIRCUITS PER SINGLE HOMERUN.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE CONDUCTOR AND RACEWAY SYSTEM FOR ALL CIRCUIT DEVICES INDICATED ON THE PLANS EVEN THOUGH NOT DELINEATED.
- WIRES FOR BRANCH CIRCUITS THAT EXCEED 75' IN LENGTH FROM PANEL TO CENTER OF LOAD SHALL NOT BE SMALLER THAN # 1 0 AWG.
- INSTALLATION OF ALL LIGHTING FIXTURES SHALL INCLUDE ALL NECESSARY CONDUIT (SOLID OR FLEXIBLE), WIRING, JUNCTION BOX, ETC., FOR CIRCUIT DEVICES.
- ALL CIRCUITRY TO BE RUN CONCEALED UNLESS OTHERWISE INDICATED.
- MATERIAL AND EQUIPMENT SHALL MATCH BUILDING STANDARDS UNLESS NOTED OTHERWISE.
- ALL BRANCH CIRCUITRY EXTENDING FROM ONE WALL OUTLET, JUNCTION BOX TO ANOTHER SHALL NOT BE ROUTED HORIZONTALLY IN THE WALL CAVITY. THE BRANCH CIRCUITRY SHALL BE ROUTED VERTICALLY DOWN INTO THE UNCTION BOX, VERTICALLY OUT OF THE UNCTION BOX AND THEN RUN HORIZONTALLY THROUGH THE CEILING CAVITY AT A MINIMUM OF 3' ABOVE THE PARTITION
- A PERMANENT CERTIFICATE SHALL BE POSTED ON THE ELECTRICAL DISTRIBUTION PANEL. THE CERTIFICATE SHALL LIST R-VALUES OF INSULATION INSTALLED IN OR ON
- CEILING/ROOF, WALLS, FOUNDATION (SLAB, BASEMENT WALL, CRAWLSPACE WALL AND OR FLOOR) AND DUCTS OUTSIDE CONDITIONED SPACES; U-FACTORS FOR FENESTRATION; THE EFFICIENCY OF THE HEATING, COOLING AND SERVICE WATER HEATING EQUIPMENT AND RESULTS FROM ANY REQUIRED DUCT SYSTEM AND BUILDING ENVELOPE AIR LEAKAGE TESTING DONE ON THE BUILDING. WHERE THERE IS MORE THAN ONE VALUE FOR EACH COMPONENT, THE CERTIFICATE SHALL LIST THE VALUE COVERING THE LARGEST AREA.

- ALL CLOSET LIGHTS SHALL BE:
- LED LIGHTS WITH 6" CLEARANCE BETWEEN FIXTURE AND NEAREST POINT OF STORAGE SPACE ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT, SINGLE PHASE, 15- AND 20-AMPERE RECEPTACLE OUTLETS INSTALLED IN DWELLING UNIT BEDROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S)
- ALL LOW VOLTAGE IS REQUIRED TO BE IN AN APPROVED RACEWAY
- A MINIMUM OF ONE THERMOSTAT SHALL BE PROVIDED FOR EACH SEPARATE HEATING AND COOLING SYSTEM.
  - PROGRAMMABLE THERMOSTAT WHERE THE PRIMARY HEATING IS FORCED-AIR FURNACE, AT LEAST ONE PROGRAMMABLE THERMOSTAT IS REQUIRED TO MAINTAIN ZONE TEMPERATURES DOWN TO 55 F OR UP TO 85 F. THE THERMOSTAT SHALL INITIALLY BE PROGRAMMED WITH A HEATING TEMPERATURE SET POINT NO HIGHER THAN 70 F AND A COOLING TEMPERATURE SET POINT NO LOWER THAN 78 F
- ALL CAN LIGHTS TO BE:
  - IC RATED AND LABELED AS ASTM E 283 WHEN TESTED AT 1.57 PSF PRESSURE DIFFERENTIAL WITH NO MORE THAN 2.0 CFM OF AIR MOVEMENT FROM THE CONDITIONED SPACE TO THE CEILING CAVITY SEALED WITH A GASKET OR CAULKED BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING
- MINIMUM 75% OF ALL PERMANENTLY INSTALLED LIGHT FIXTURES TO HAVE HIGH



1 RENOVATION SECOND FLOOR PLAN ELECTRIC
3/8" = 1'-0"

0 1' 2" 4'

ELECTRICAL GENERAL NOTES

1. EXISTING POWER AND LIGHTING TO REMAIN AT BASEMENT AND FIRST FLOOR
2. EXISTING SMOKE/CO2 DETECTORS TO REMAIN ATBASEMENT AND FIRST FLOOR. VIF IF ADDITIONAL DETECTORS ARE REQUIRED AND INSTALL PER REQUIRED CODE.

FIXTURE

$	SINGLE POLE TOGGLE SWITCH	S	SMOKE DETECTOR
$3	3 POLE TOGGLE SWITCH	S/C	SMOKE/CARBON DETECTOR
$D	DIMMER TOGGLE SWITCH		75 CFM EXHAUST FAN WITH W/LIGHT
$S	SMART TOGGLE SWITCH	GARAGE MOTOR	GARAGE DOOR OPENER
	DUPLEX RECEPTACLE		CEILING FAN/ LIGHT FIXTURE
USB	USB CHARGING DUPLEX RECEPTACLE		
GFCI	GCFI PROTECTED DUPLEX RECEPTACLE		
GFCI WP	GCFI PROTECTED DUPLEX RECEPTACLE, WATERPROOF		
R	RECESSED CAN LIGHT		
UT-R	ULTRA-THIN CAN LIGHT		
	CEILING MOUNTED LIGHT FIXTURE		
WALL	WALL MOUNTED LIGHT FIXTURE		
P	PENDANT LIGHT FIXTURE		

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E1.0

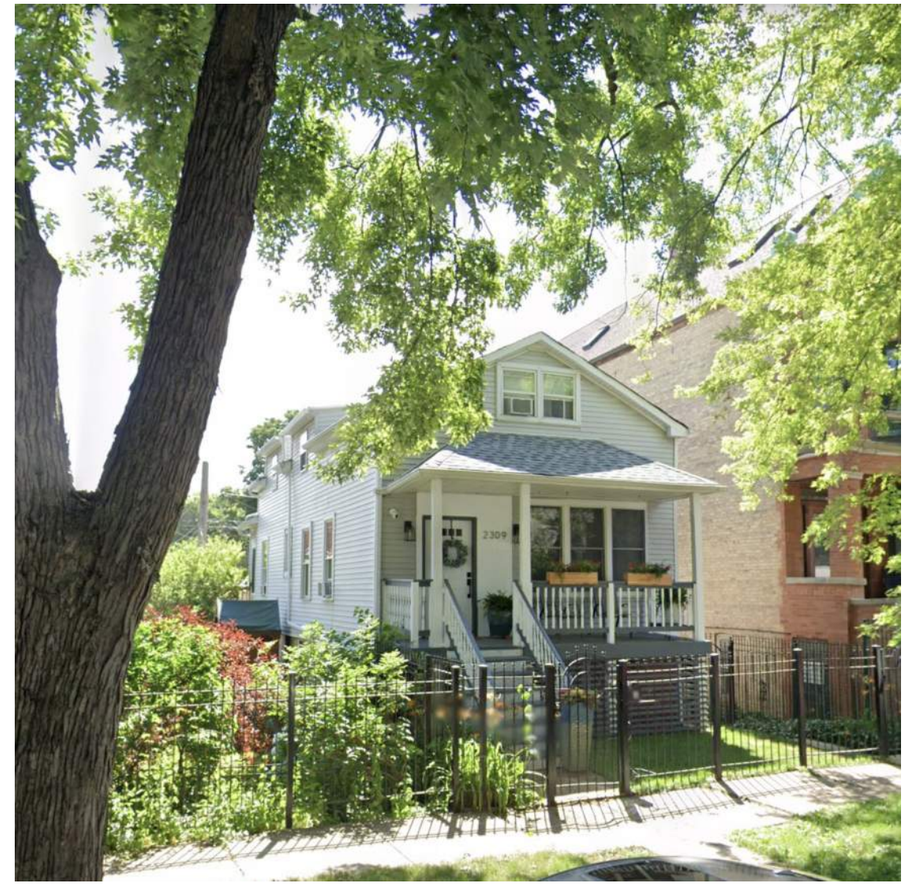
SCALE AS INDICATED

11/23/2021 10:38:34 AM

2309 N. Maplewood Ave.

Attachment D: Isometric Rendering

PROPOSED PERSPECTIVE VIEW FROM STREET



EXISTING PERSPECTIVE VIEW FROM STREET

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