# ABREVIATIONS

ARCH ARCHITECT AB ANCHOR BOLT A/C AIR CONDITIONINER A.F.F ABOVE FINISHED FLOOR ALUM ALUMINUM BSM'T BASEMENT BLDG BUILDING BLK BLOCK CAB CABINET CJ CEILING JOIST CEM CEMENT CER CERAMIC CFM CUBIC FT PER MINUTE CLO CLOSET CLG CEILING COL COLUMN CONSTR CONSTRUCTION C.T. CERMAIC TILE D DRYER DIA DIAMETER DN DOWN DW DISH WASHER DWG DRAWING ELEC ELECTRIC EXT EXTERIOR FDN FOUNDATION FLR FLOOR FTG FOOTING FIN FINISH FURN FURNACE GAL GALLON GALV GALVANIZED GC GENERAL CONTRACTOR GFI GROUND FAULT INTERRUPTER GYP BD GYPSUM BOARD HM HOLLOW METAL HW HOT WATER INSUL INSULATION IN INCH

JST JOIST LAV LAVATORY LBS POUNDS LC LINEN CLOSET MAS MASONRY MAN MANUFACTURER MAT MATERIAL M.O. MASONRY OPENING MAX MAXIMUM NIC NOT IN CONTRACT NA NOT APPLICABLE NTS NOT TO SCALE OC ON CENTER PED PEDESTAL PL PLATE POLY POLYETHELENE PSI POUNDS PER SQUARE INCH PT PRESSURE TREATED PVC POLY VINYL CHLORIDE REQ'D REQUIRED RM ROOM RO ROUGH OPENING SD SMOKE DETECTOR SEC SECTION SPEC SPECIFICATION SF SQUARE FOOT STL STEEL SQ SQUARE SQ YD SQUARE YARD TO TRIMMED OPENING TEMP TEMPERED T&G TONGUE AND GROOVE TYP TYPICAL W WASHER WC WATER CLOSET WD WOOD WOLM WOLMANIZED WIC WALK IN CLOSET WP WATER PROOF WWF WELDED WIRE FABRIC

## **GENERAL CONDITIONS**

THESE ARE BASIC BUILDERS PLANS. UNLESS OTHERWISE NOTED, THE FOLLOWING ITEMS SHALL BE PROVIDED BY OTHERS;

SELECTION OF FINISHES, CABINETRY AND HARDWARE.

DESIGN OF HEATING, PLUMBING AND ELECTRICAL SYSTEMS.

DESIGN OF LANDSCAPING AND EXTERIOR FEATURES. THE CONTRACTOR SHALL APPLY ALL MATERIALS, FIXTURES AND LABOR NECESSARY TO COMPLETE ALL THE WORK NOTED ON THESE PLANS AND AS OTHERWISE REQUIRED. ALL MATERIALS SHALL BE FREE FROM DEFECTS. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER ACCEPTABLE WITH MODERN PRACTICE. THE ARCHITECT LIMITS HIS RESPONSIBILITY IN REGARDS TO THESE DRAWINGS TO DIMENSIONS, SIZE OF STRUCTURAL MEMBERS AND MATERIALS BEFORE PROCEEDING. THE ARCHITECT DISCLAIMS ALL RESPONSIBILITY IF THE BUILDING IS CONSTRUCTED WITH DIMENSIONS, SIZES, OR MATERIALS, THAT DEVIATE FROM THESE DRAWINGS. THE ARCHITECT HAS NOT BEEN HIRED FOR CONSTRUCTION REVIEW, AND IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CHECK FOR COMPLIANCE BETWEEN THESE DRAWINGS AND THE FINAL FIELD CONDITIONS.

# **GENERAL NOTES**

ALL CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING CONSTRUCTION, ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT.

ALL CONTRACTORS SHALL HAVE AND MAINTAIN CONTRACTORS LIABILITY, PROPERTY DAMAGE INSURANCE, AND WORKMANS COMPENSATION INSURANCE. ALL PHASES OF CONSTRUCTION SHALL COMPLY TO LOCAL STATE AND FEDERAL SAFETY LAWS.

# CODES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL , STATE, FEDERAL CODES AND ORDINANCES.

THE CONTRACTOR MUST PROVIDE ALL LEGAL AND NECESSARY GUARD RAILINGS, LIGHTS, WARNING SIGNS, ETC. DURING THE PROGRESS OF THE WORK. ALL MATERIAL IN CONSTRUCTION SHALL CONFORM WITH THE REQUIREMENTS OF ALL BUILDING AND SANITARY LAWS IN THE LOCALITY IN WHICH THE BUILDING IS CONSTRUCTED, AND SHALL MAKE ALL WORK ACCEPTABLE TO THE BUILDING DEPARTMENT. ALL LOCAL STATE AND FEDERAL CODES AND ORDINANCES SHALL BE CONSIDERED AS PART OF THESE CONSTRUCTION DOCUMENTS.

CONSTRUCTION CODES ADOPTED IN NEW JERSEY:

BUILDING SUBCODE (NJAC 5:23-3.14) IBC - INTERNATIONAL BUILDING CODE 2018 NJ EDITION INTERNATIONAL FIRE CODE 2018

PLUMBING SUBCODE (NJAC 5:23-3.15)

NATIONAL STANDARD PLUMBING CODE, 2018 ADOPTED SEPT-03-2019 ELECTRICAL SUBCODE (NJAC 5:23-3.16)

NATIONAL ELECTRICAL CODE (NFPA 70)2017 ADOPTED SEPT-03-2019 ENERGY SUBCODE (NJAC 5:23-3.18)

INTERNATIONAL ENERGY CONSERVATION CODE, 2018

(LOW RISE RESIDENTIAL) ADOPTED SEPT-03-2019

MECHANICAL SUBCODE, (NJAC 5:23-3.20)

INTERNATIONAL MECHANICAL CODE, 2018 ADOPTED SEPT-03-2019

ONE AND TWO FAMILY DWELLING SUBCODE (NJAC 5:23-3.21) INTERNATIONAL RESIDENTIAL CODE/2018 NJ EDITION (IRC W/NJ EDITS 3.21) ADOPTED SEPT-03-2019

FUEL AND GAS SUBCODE (NJAC 5:23-3.22) INTERNATIONAL FUEL GAS CODE, 2018 ADOPTED SEPT-03-2019

REHABILITATION SUBCODE (NJAC 5:23-6)

NJUCC SUBCHAPTER 6

UPDATED YEARLY BARRIER FREE SUBCODE (CHAPTER 11 OF IBC/2015 & NJAC 5:23-7)

ICC/ANSI A117.1-2009 ADOPTED SEPT-03-2019 ELEVATOR SUBCODE (NJAC 5:23-12)

AMERICAN SOCIETY OF MECHANICAL ENGINEERS. (ASME) ADOPTED SEPT-03-2019 CONTRACTOR(S) SHOULD BE FAMILIAR WITH THE LATEST APPROVED CODES FOR THE STATE OF NJ. CONTACT INFORMATION FOR MATERIAL AND CODE ASSISTANCE IS AVAILABLE AT:

NJ DEPT OF COMMUNITY AFFAIRS DIVISION OF CODES AND STANDARDS 101 SOUTH BROAD STREET

PO BOX 802 TRENTON NJ 08625-0802

# **BUILDING SYSTEMS**

### MECHANICAL

GC SHALL COORDINATE THIS DESIGN WITH THE REMODELED INSTALLATION AND AIR CONDITIONING SYSTEMS. ALL WORK TO BE PERFORMED BY A STATE MECHANICAL CONTRACTOR. ALL FINISHED MATERIALS TO MATCH EXISTING

ELECTRICAL

ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND SHA BY A STATE LICENSED ELECTRICIAN. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL SWITCHE SMOKE DETECTORS OF APPROVED MANUFACTURE AS REQUIRED BY CODE, C ON THE DRAWINGS.

SWITCHES AND RECEPTACLES AND WALL PLATES TO BE AS MANUFACTURED COMPANY OR APPROVED EQUAL. CONTRACTOR TO VERIFY ALL SWITCHING TYPES WITH THE OWNER PRIOR TO ROUGH IN. ELECTRICAL CONTRACTOR TO PRICING LIST FOR ADDITIONAL LIGHTS AND SWITCHES PER ITEM.

FIXTURES TO BE LIGHTOLIER BRAND OR APPROVED EQUAL. ELECTRICAL CO VERIFY ALL LIGHTING LOCATIONS WITH THE OWNER PRIOR TO ROUGH IN.

ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL BATHROOM EXHAU OR BETTER WITH VARIABLE SPEED SWITCHES. CONFIRM WITH OWNER FOR R BATHROOM FANS

### PLUMBING

ALL PLUMBING SHALL CONFORM TO NATIONAL PLUMBING CODE. ALL PLUMBING SHALL BE INSTALLED BY A STATE LICENSED PLUMBER.

WORK TO BE INCLUDED SHALL BE; A.SANITARY, WASTE, SOIL & VENT PIPING WITH ALL NECESSARY FLASHING.

B.TRAPS, CLEANOUTS ETC.

C.HOT & COLD WATER SUPPLY LINES.

D.PLUMBING FIXTURES AS SELECTED BY OWNER AND INSTALLED BY CONTRA

ALL PIPES PROPERLY SUPPORTED WITH BRACKETS AND HANGERS ALLOWIN WASTE LINES SHALL BE RUN WITH ACCESSIBLE CLEANOUTS WITH SCREWPL HORIZONTAL LINES AT THE BASE OF ALL RISERS AND AT ALL DEAD ENDS.

# FRAMING NOTES

ALL FLOOR JOIST MATERIAL TO BE BOISE CASCADE The ALLJOIST® series (AJS®) I-joists with solid-sawn flanges.

ALL BEAMS AND HEADERS TO BE BOISE CASCADE VERSA-LAM® laminated veneer lumber (LVL) beams and headers ALL EXTERIOR WALLS TO BE 2X6 AND WHERE INDICATED (

WALLS. DOUBLE UP ALL FLOOR JOISTS UNDER PARALLEL PARTITIC BLOCKING AT 24" CENTERS ALTERNATE.

B1- 3 1/2" X 11 7/8" LVL B2- 5 1/4" X 11 7/8" LVL B3- 3 1/2" X 9 1/2" LVL B4- 5 1/4" X 9 1/2" LVL B5- 3 1/2" X 16" LVL B6- 5 1/4" X 16" LVL B7- 3 1/2" X 18" LVL B8- 5 1/4" X 18" LVL

R1 - 1 3/4" X 11 7/8" R2 - (2) 1 3/4" X 11 7/8"

H1 - (2) 2X10 HEADER H2 - (3) 2X10 HEADER

H = HEADER

F = FLUSH D = DROPPED

- TF = TOP FLUSH
- JH = JOIST HANGER
- SB = SOLID BLOCKING
- SP = SOLID POST
- BP BEAM POCKET OF - OVERFRAME
- V = VALLEY
- H = HIP

# WINDOWS

ALL WINDOWS AS INDICATED - ANDERSEN 400 SERIES

WINDOWS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFA

INSTRUCTIONS

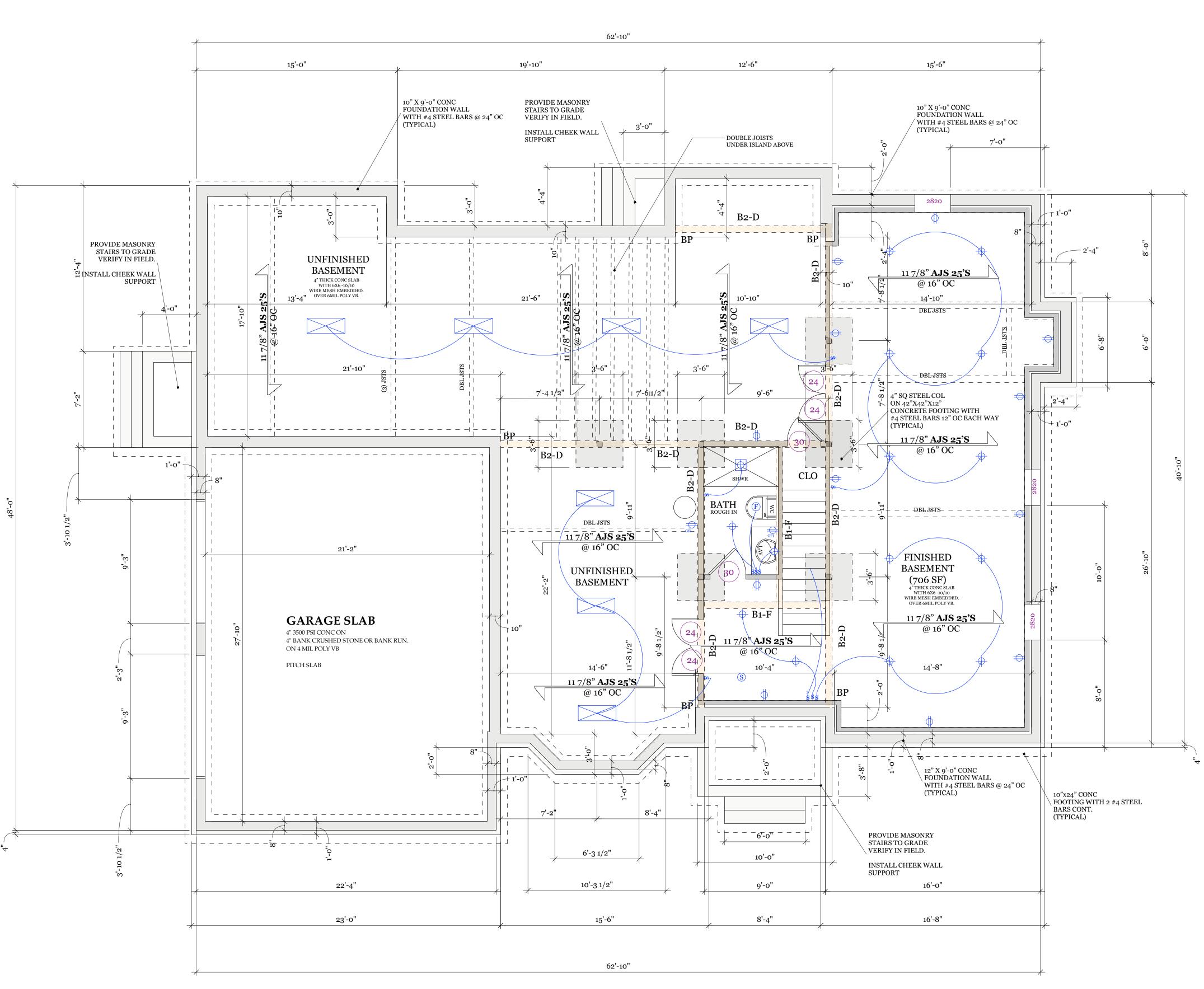
EGRESS - R310.1.1 MINIMUM OPENING AREA.

ALL EMERGENCY ESCAPE AND RESCUE OPENINGS(AT LEAST ONE WIN BEDROOM) SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQ F BEDROOMS MAY HAVE A NET CLEAR OPENING OF 5 SQ FT. **R310.1.2 MIN OPENING HEIGHT** 

THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24" R310.1.3 MINIMUM OPENING WIDTH

THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20"

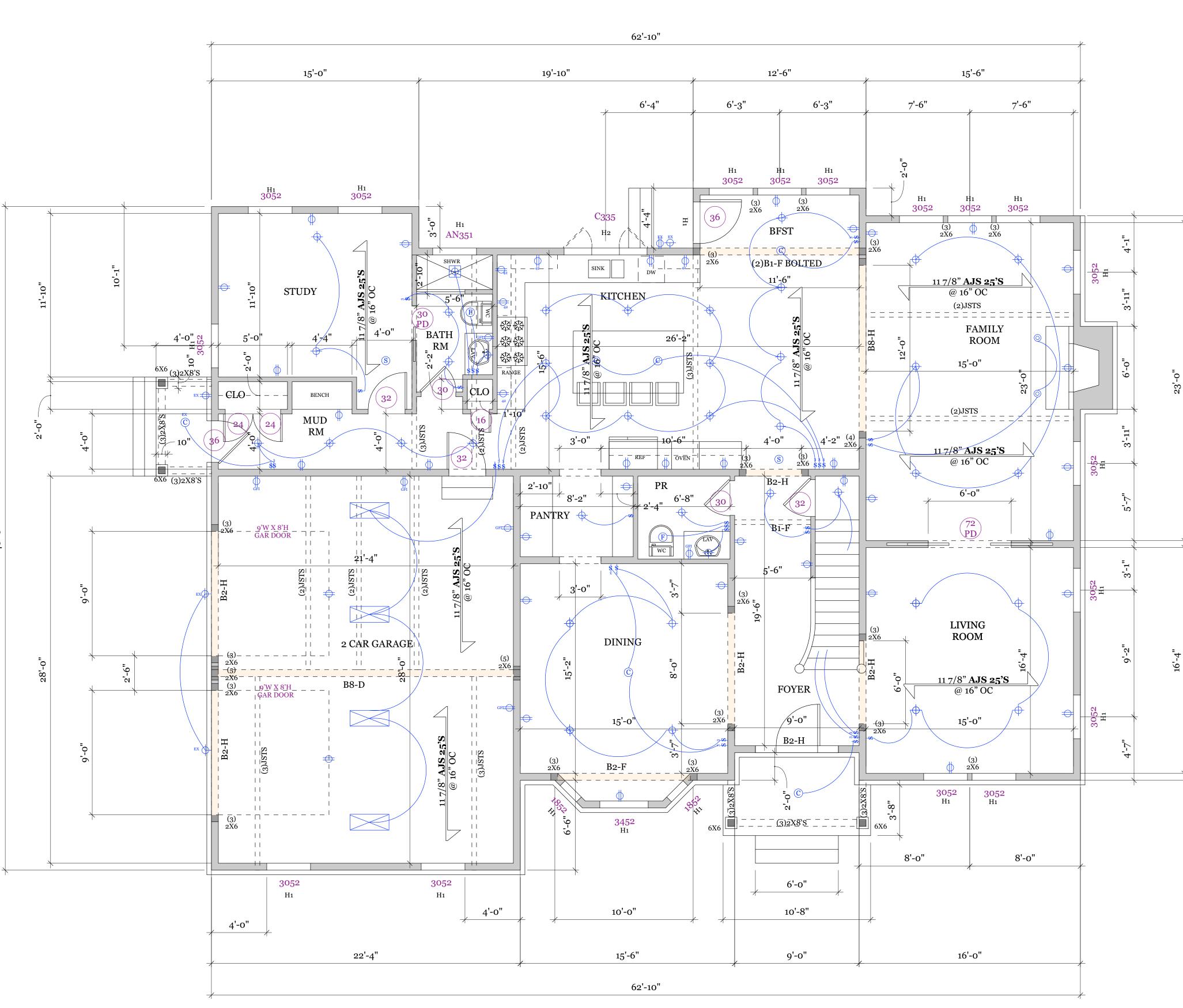
N OF ALL HEATING TE LICENSED G. IALL BE INSTALLED ES, OUTLETS AND OR AS INDICATED O BY LEVITON MFG. G LOCATIONS AND O INCLUDE INTRACTOR TO UST FANS. NUTONE REUSE OF EXISTING	NEW RESIDENCE barrister home construction, inc. po box 459 wyckoff, nj 07481 201-891-7774 Phone 201-891-7712 FAX 753 FREDERICK CT			MM/DD/YY       REVISIONS         MM/DD/YY       REVISIONS         MM/DD/YY       REMARKS         MM/DD/YY       REMARKS         MM/DD/YY       REMARKS         MM/DD/YY       REMARKS         MM/DD/YY       REMITISET         MM/DD/YY       REMARKS         MM/DD/YY       REMAR
ACTOR. IG FOR EXPANSION. JUGS ON ALL	WYCKOFF NJ 07481			
OG5 ON ALL				
ON INTERIOR ONS ABOVE. CAT			DATE: 01.04.22 PROJECTNO. 2201 USEGROUP: R5 CONST.TYPE: 5B SQUARE FOOTAGE: FIRST FLOOR 2072 SF SECOND FLOOR 2438 SF 4510 SF	753 FREDERICK CT
		DESIGN LOADS ROOF LIVE LOAD - 30 PSF	VOLUME 81,924.0 CU FT DRAWINGS A01 COVER SHEET	Mark M Braithwaite AIA 52 Park Ave Park Ridge NJ 07656 201-214-5114 mbarchitects@yahoo.com
ACTURERS NDOW PER FT. GRADE FLOOR <b>NIMUM</b>		DEAD LOAD - 10 PSF 40 PSF ATTIC LIVE LOAD - 20 PSF DEAD LOAD - 10 PSF 30 PSF SECOND FLOOR LIVE LOAD - 40 PSF DEAD LOAD - 10 PSF 50 PSF FIRST FLOOR	<ul> <li>A 02 BASEMENT FOUNDATION PLAN</li> <li>A 03 FIRST FLOOR PLAN</li> <li>A 04 SECOND FLOOR PLAN</li> <li>A 05 ELEVATIONS</li> <li>A 06 ELEVATIONS</li> <li>A 07 GENERAL SPECIFICATIONS</li> </ul>	NJ LIC# 12540 NY LIC# 040604 CT LIC# 0013424 DRAWN BY: MMB NCARB 82762
		LIVE LOAD - 40 PSF DEAD LOAD - 10 PSF 50 PSF		<b>A</b> 01



# **BASEMENT FOUNDATION PLAN** SCALE 1/4" = 1'-0"

<ul> <li>SINCLE POLICE OF ALL CONTRACTION OF A CONTRACTI</li></ul>	REVISIONS $MM/DD/YY$ $MM/DD/YY$ $1$ $//$ $2$ $//$ $3$ $//$ $4$ $//$ $4$ $//$ $5$ $//$		
INTERIOR DOORS TO BE SOLID CORE MASONITE STYLE AS SELECTED BY OWNER (T) = TEMPERED SAFETY GLASS (F) = FIXED GLASS 36 36" X 80" INT DOOR 32 32" X 80" INT DOOR 30 30" X 80" INT DOOR 28 28" X 80" INT DOOR 24 24" X 80" INT DOOR 24 24" X 80" INT DOOR 20 20" X 80" INT DOOR 20 20" X 80" INT DOOR 131/2" X 11 7/8" LVL B2-5 1/4" X 11 7/8" LVL B3-3 1/2" X 14" LVL B4-5 1/4" X 14" LVL B5-3 1/2" X 16" LVL B5-3 1/2" X 18" LVL B6-5 1/4" X 16" LVL B7-3 1/2" X 18" LVL	753 FREDERICK CT		
B9-51/4" X 20" LVL B10-51/4" X 24" LVL R1-13/4" X 117/8" R2-(2)13/4" X 117/8" H1-(3)2X8 HEADER H2-(3)2X10 HEADER H=HEADER F=FLUSH D=DROPPED TF=TOP FLUSH BF=BOTTOM FLUSH JH=JOIST HANGER SB=SOLID BLOCKING BP-BEAM POCKET OF-OVERFRAME V=VALLEY H=HIP	Mark M Braithwaite AIA 52 Park Ave Park Ridge NJ 07656 201-214-5114 mbarchitects@yahoo.com		
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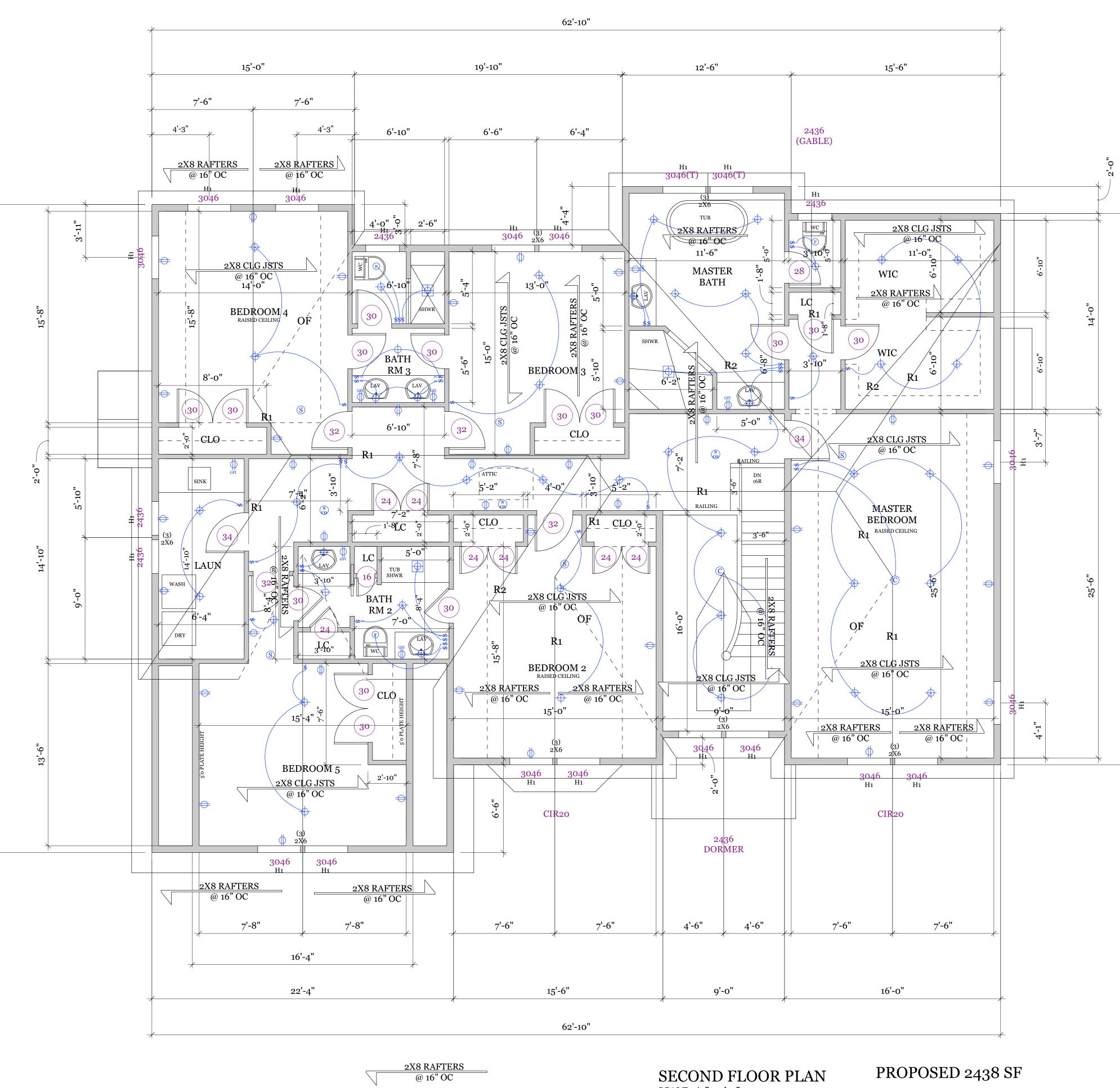


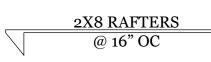
FIRST FLOOR PLAN SCALE 1/4" = 1'-0"

PROPOSED 2072 SF

Image: Section of the section of t	REVISIONS REMARKS REMARKS				
<ul> <li>SMOKE DETECTOR HARD WIRE</li> <li>SMOKE &amp; CARBON MONOXIDE DETECTOR - HARD WIRE</li> <li>UC UNDERCABINET LIGHTING</li> <li>EXTERIOR SPOT LIGHTS</li> <li>CEILING FAN</li> </ul>	MM/DD/YY       1       2      //       3      //       4      //       5				
INTERIOR DOORS TO BE SOLID CORE MASONITE STYLE AS SELECTED BY OWNER (T) = TEMPERED SAFETY GLASS (F) = FIXED GLASS 36 36" X 96" INT DOOR 32 32" X 96" INT DOOR 30 30" X 96" INT DOOR 28 28" X 96" INT DOOR 24 24" X 96" INT DOOR 24 24" X 96" INT DOOR 20 20" X 96" INT DOOR 13 1/2" X 11 7/8" LVL B2- 5 1/4" X 11 7/8" LVL B3- 3 1/2" X 14" LVL B3- 3 1/2" X 14" LVL B4- 5 1/4" X 14" LVL B5- 3 1/2" X 16" LVL B6- 5 1/4" X 16" LVL B7- 3 1/2" X 18" LVL	753 FREDERICK CT				
BO $3^{1}/4^{2}$ X 20" LVL B9- 5 1/4" X 20" LVL B10- 5 1/4" X 24" LVL R1 - 1 3/4" X 11 7/8" R2 - (2) 1 3/4" X 11 7/8" H1 - (3) 2X8 HEADER H2- (3) 2X10 HEADER H = HEADER F = FLUSH D = DROPPED TF = TOP FLUSH BF = BOTTOM FLUSH JH = JOIST HANGER SB = SOLID BLOCKING BP - BEAM POCKET OF - OVERFRAME V = VALLEY H = HIP	Mark M Braithwaite AIA 52 Park Ave Park Ridge NJ 07656 201-214-5114 mbarchitects@yahoo.com				
	NJ LIC# 12540           NY LIC# 040604           CT LIC# 0013424           DRAWN BY: MMB           NCARB 82762				

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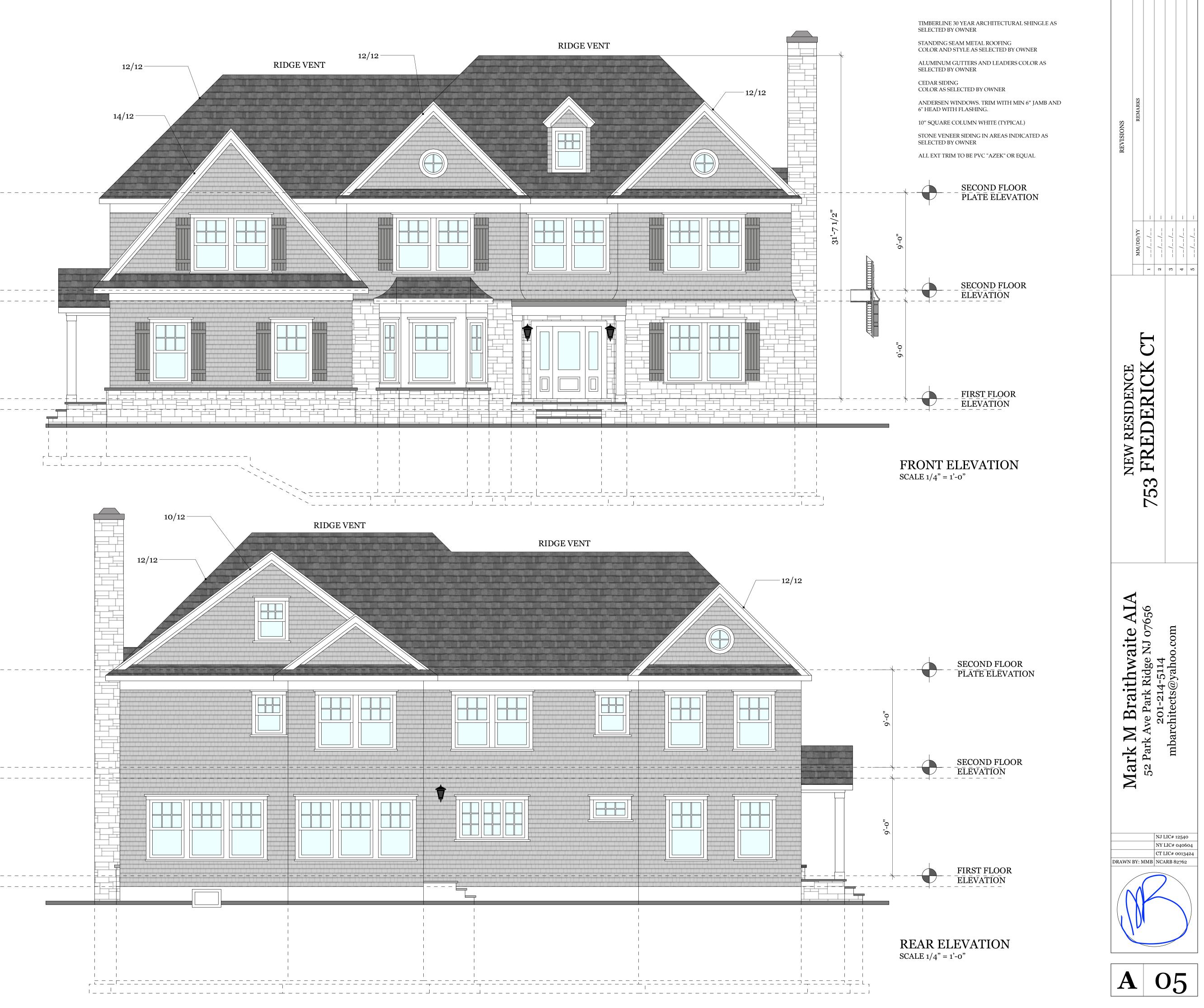


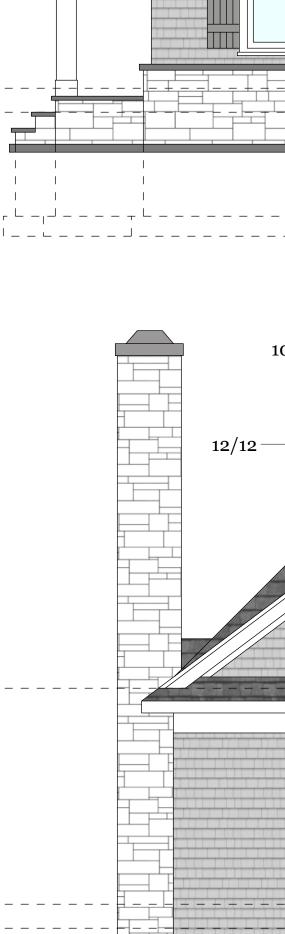
SCALE 1/4" = 1'-0"

# TOTAL 4510 SF

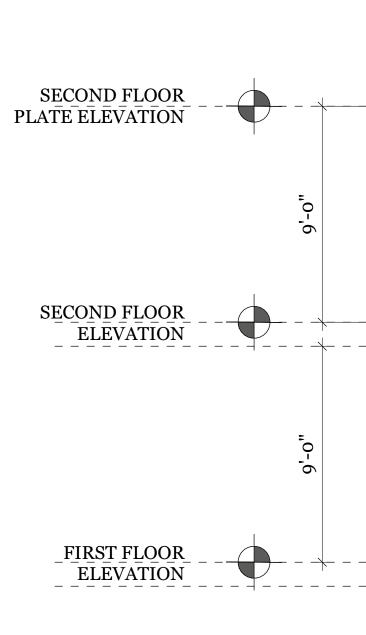
<ul> <li>CELECTRECERCECENCE</li> <li>PRECESSED PUNHOLE DOWNLIGHT</li> <li>PRECESSED DOWNLIGHT</li> <li>PUPLEX WALL OUTLET</li> <li>PUPLEX WALL OUTLET<!--</th--><th>REVISIONS<math>MM/DD/YY</math><math>MM/DD/YY</math><math>1</math><math>//</math><math>2</math><math>//</math><math>3</math><math>//</math><math>4</math><math>//</math><math>4</math><math>//</math><math>5</math><math>//</math></th></li></ul>	REVISIONS $MM/DD/YY$ $MM/DD/YY$ $1$ $//$ $2$ $//$ $3$ $//$ $4$ $//$ $4$ $//$ $5$ $//$		
INTERIOR DOORS TO BE SOLID CORE MASONITE STYLE AS SELECTED BY OWNER (T) = TEMPERED SAFETY GLASS (F) = FIXED GLASS 36 36" X 80" INT DOOR 32 32" X 80" INT DOOR 30 30" X 80" INT DOOR 30 30" X 80" INT DOOR 28 28" X 80" INT DOOR 24 24" X 80" INT DOOR 24 24" X 80" INT DOOR 20 20" X 80" INT DOOR 20 20" X 80" INT DOOR B1- 3 $1/2$ " X 11 7/8" LVL B2- 5 $1/4$ " X 11 7/8" LVL B3- 3 $1/2$ " X 11 7/8" LVL B3- 3 $1/2$ " X 14" LVL B4- 5 $1/4$ " X 14" LVL B5- 3 $1/2$ " X 16" LVL B6- 5 $1/4$ " X 16" LVL B7- 3 $1/2$ " X 18" LVL B8- 5 $1/4$ " X 18" LVL	753 FREDERICK CT		
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	NJ LIC# 12540 NY LIC# 040604 CT LIC# 0013424 DRAWN BY: MMB NCARB 82762		

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\_FIRST\_FLOOR\_ ELEVATION

SECOND FLOOR PLATE ELEVATION

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SECOND FLOOR ELEVATION

\_ \_FIRST FLOOR\_ \_ \_ ELEVATION\_

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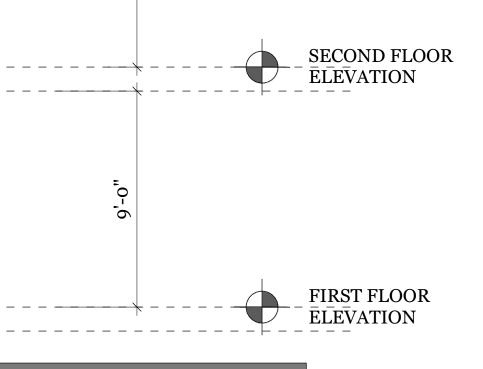
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# LEDT SIDE ELEVATION SCALE 1/4" = 1'-0"





\_ SECOND FLOOR \_ PLATE ELEVATION

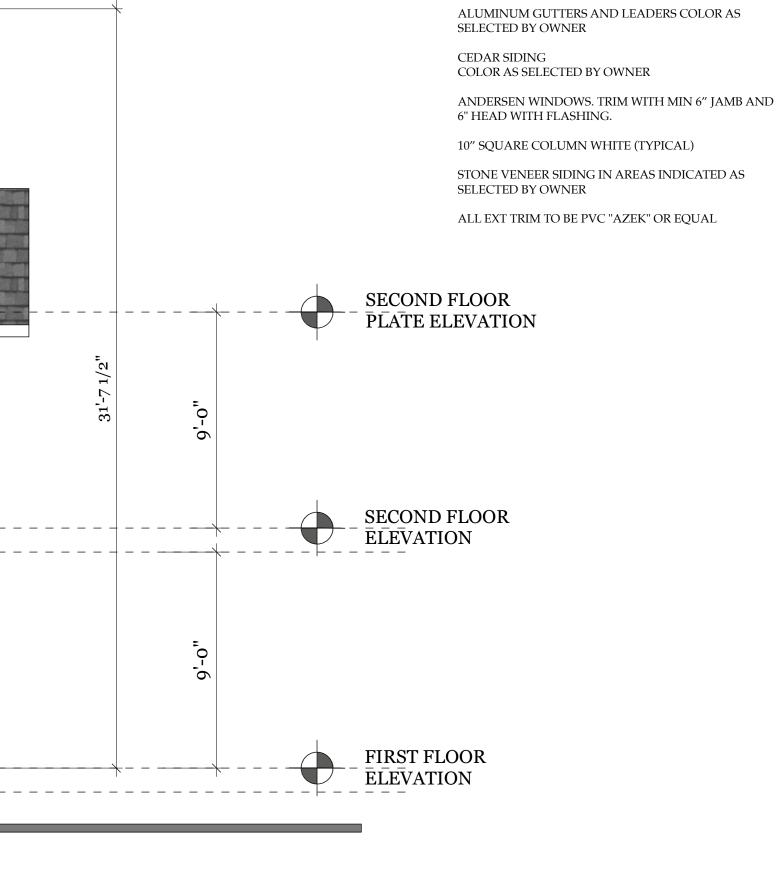
TIMBERLINE 30 YEAR ARCHITECTURAL SHINGLE AS

SELECTED BY OWNER

STANDING SEAM METAL ROOFING

COLOR AND STYLE AS SELECTED BY OWNER

**RIGHT SIDE ELEVATION** SCALE 1/4" = 1'-0"



REVISIONS	MM/DD/YY REMARKS	<i>ll</i>	// m	//	<i>ll</i>	-//- m	
NEW RESIDENCE	NEW RESIDENCE       753 FREDERICK CT       3						
Mark M Braithwaite AIA	Mark M Braithwaite AIA 52 Park Ave Park Ridge NJ 07656 201-214-5114 mbarchitects@yahoo.com						
DRAWN	NJ LIC# 12540         NY LIC# 040604         CT LIC# 0013424         DRAWN BY: MMB         NCARB 82762						
			<u> </u>		6		

# **GENERAL SPECIFICATIONS**

## SOIL TESTS

WHERE OUESTIONABLE SOIL CHARACTERISTICS ARE LIKELY TO BE PRESENT, THE BUILDING OFFICIAL SHALL DETERMINE WHETHER TO REQUIRE A SOIL TEST TO DETERMINE THE SOILS CHARACTERISTICS AT A PARTICULAR LOCATION. THIS TEST SHALL BE DONE BY AN APPROVED AGENCY USING AN APPROVED METHOD.

## **FOOTINGS AND SLABS**

ALL FOOTINGS SHALL BEAR ON SOLID UNDISTURBED EARTH. EARTH SHALL BE CAPABLE OF SUPPORTING 2500 P.S.F. FOOTINGS SHALL BE BELOW FROST LINE, A MINIMUM OF 3'-0" BELOW GRADE TO THE BOTTOM OF FOOTINGS, EXCEPT THAT THE THE BOTTOM OF THE FOOTING SHALL BE ADJUSTED TO THE ACTUAL LEVEL OF APPROVED BEARING STRATA FOUND ON EXCAVATION. SOIL UNDER FOOTINGS SHALL BE PROTECTED FROM FREEZING. NO FOOTINGS SHALL BE POURED ON

FROZEN SOIL. ALL FILL SHALL BE COMPACTED IN 8-10 INCH LAYERS TO NOT LESS THAN 95% OF THE MAXIMUM DENSITY WHEN TESTED IN ACCORDANCE WITH ASTM D1557.

CHANGES OF LEVEL OF FOOTINGS MUST BE KEPT WITHIN THE SAFE ANGLE OF REPOSE OF THE SOIL. (ONE VERTICAL TO 2 HORIZONTAL)

PROVIDE 4 INCHES POROUS FILL UNDER ALL CONCRETE SLABS ON EARTH.(OR CLEAN SAND/ BANK RUN)

CONCRETE FLOORS SHALL HAVE SMOOTH HARD STEEL TOWEL FINISH. PROVIDE 6X6 - 10/10 WOVEN WIRE MESH IN ALL CONCRETE SLABS ON GRADE. PROVIDE 6 MIL VAPOR BARRIER OF CLEAR POLYETHYLENE FILM FOR ALL SLABS. INCLUDE RIGID INSULATION BOARD 24" WIDE R-7 (SEE PLAN) ALL CONCRETE SHALL BE 2,500 PSI STONE AGGREGATE READY-MIX FOR FOOTINGS AND 3,000 PSI FOR SLABS, AFTER 28 DAYS.(3500 PSI @ GARAGE FLOORS)

## FOUNDATIONS WALLS AND MASONRY

## **STEEL REINFORCEMENT:**

STEEL REINFORCEMENT SHALL COMPLY WITH THE REQUIREMENTS OF ASTM A615, A706, OR A996. ASTM A996 BARS PRODUCED FROM RAIL STEEL SHALL BE TYPE R. THE MINIMUM YIELD STRENGTH OF REINFORCING STEEL SHALL BE 40,000 PSI (GRADE 40) (276 MPA).

## LOCATION OF REINFORCEMENT IN POURED CONC WALL:

THE CENTER OF VERTICAL REINFORCEMENT IN STEM WALLS SHALL BE LOCATED AT THE CENTERLINE OF THE WALL. HORIZONTAL AND VERTICAL REINFORCEMENT SHALL BE LOCATED IN FOOTINGS AT STEM WALLS TO PROVIDE THE MINIMUM COVERAGE REQUIRED. BY SECTION R403.1.3.5.3.

## SUPPORT AND COVER

ALL EXPOSED STEEL BARS TO BE PROTECTED WITH PLASTIC MUSHROOM CAPS DURING CONSTRUCTION.

REINFORCEMENT SHALL BE SECURED IN THE PROPER LOCATION IN THE FORMS WITH TIE WIRE OR OTHER BAR SUPPORT SYSTEM TO PREVENT DISPLACEMENT DURING THE CONCRETE PLACEMENT. STEEL REINFORCEMENT IN CONCRETE CAST AGAINST THE EARTH SHALL HAVE A MINIMUM COVER OF 3 INCHES. MINIMUM COVER FOR REINFORCEMENT AND CONCRETE CAST IN REMOVABLE FORMS THAT WILL BE EXPOSED TO THE EARTH OR WEATHER SHALL BE 1 1/2" FOR NUMBER FIVE BARS AND SMALLER, AND 2" FOR NUMBER 6 BARS AND LARGER.

FOUNDATION WALLS SHALL BE LEVELED TO RECEIVE FRAMING.

WOOD SILLS ON MASONRY SHALL BE PRESSURE TREATED (I.E. WOLMANIZED) ANCHORED TO FOUNDATION BY 1/2" DIAMETER ANCHOR BOLTS PLACED 12" FROM EACH END OF PLATE SECTION, WITH INTERMEDIATE BOLTS PLACED SPACED MAXIMUM OF 6'-0" O.C. EACH BOLT SHALL BE A MINIMUM 21" LONG WITH A MINIMUM OF 15" EMBEDDED INTO THE CONCRETE. EACH PLATE SECTION SHALL HAVE A MINIMUM OF TWO ANCHOR BOLTS.

ALL CONCRETE, BRICK AND STONE MASONRY SHALL BE PROTECTED FROM FREEZING FOR NOT LESS THAN 48 HOURS AFTER INSTALLATION.

EXTEND HEARTHS OUT A MINIMUM 20" OUT FROM THE FRONT OF THE FIREPLACE AN A MINIMUM OF 12" BEYOND OPENINGS ON EITHER SIDE. SUPPORT HEARTHS WITH REINFORCED CONCRETE NOT LESS THAN 4" THICK. SUPPORT MASONRY OVER FIREPLACE OPENING WITH A NON-COMBUSTIBLE LINTEL. PROVIDE CAST IRON CLEAN OUT DOORS FOR ASH PITS, MAXIMUM OF 24" ABOVE FINISHED FLOOR. BEAM GIRDER AND OTHER CONCENTRATED LOADS SHALL BEAR ON SOLID CONCRETE WITH 5/8" STEEL SHIM PLATES

BRICK VENEER SHALL BEAR ON 4" BRICK SHELF, PROVIDE CONTINUOUS FLASHING, OMIT VERTICAL JOINTS FOR WEEP HOLES AT 8'-0" OC.

ANCHOR BRICK VENEER TO MASONRY BACK UP OR WOOD FRAMING WITH GALVANIZED STEEL TIES SPACED 24" HORIZONTALLY AND 16" VERTICALLY STAGGERED. MASONRY LINTELS - PROVIDE ONE ANGLE FOR EACH FOUR INCHES OF MASONRY THICKNESS OVER ALL

OPENINGS AND RECESSES AS FOLLOWS;

## **CARPENTRY - FRAMING**

FRAMING OF DWELLING SHALL BE ERECTED PLUMB, LEVEL , TRUE AND SECURELY NAILED.STRUCTURAL LUMBER SIZES ARE BASED ON DOUGLAS FIR #2 OR BETTER WITH A REPETITIVE MEMBER FIBER STRESS OF 1350 PSI AND AN "E" OF 1,300,000.ALL FLUSH HEADER BEAMS, ETC. SHALL BE SECURED WITH STEEL JOIST HANGERS. DOUBLE JOISTS UNDER PARALLEL PARTITIONS ABOVE.

SET ALL JOISTS AND GIRDERS WITH NATURAL CAMBER UP. DOUBLE-UP FLOOR JOISTS UNDER PARTITIONS RUNNING PARALLEL TO JOISTS, OR AS PER PLANS. DOUBLE UP ROOF RAFTERS AROUND SKYLIGHTS.

DETAILS OF FRAMING INCLUDING FIRE STOPPING, BLOCKING, BRIDGING, NOTCHING, ETC., SHALL CONFORM TO THE INTERNATIONAL RESIDENTIAL CODE AND TO THE NFPA MANUAL OF HOUSING FRAMING. NAILING SCHEDULE SHALL CONFORM TO INTERNATIONAL RESIDENTIAL. STUDS IN LOAD-BEARING PARTITION SHALL ALIGN WITH RAFTERS AND TRUSSES; IF REQUIRED, INSTALL ADDITIONAL STUDS TO PROVIDE THE NECESSARY SUPPORT. ENGINEERED JOIST MANUFACTURER SHALL SUPPLY ALL BRIDGING, BLOCKING AND CROSS BRACING IN ACCORDANCE WITH THEIR PUBLISHED RECOMMENDATIONS.

ALL WALLS SHALL BE ADEQUATELY BRACED UNTIL THE ENTIRE STRUCTURAL FRAME HAS BEEN INSTALLED AND IS SECURELY SOUND. PROVIDE 5/4" X 3" CROSS BRIDGING AT CENTER SPAN OR 8'-0" OC MAXIMUM. USE SOLID BLOCKING AT ENDS UNLESS OTHERWISE NOTED. ALL SUB FLOORS SHALL APA RATED C-C PLYWOOD 3/4" TONGUE AND GROOVE WITH A MAXIMUM SPAN OF 24" AND SHALL BE NAILED TO JOISTS USING 6D RING OR SCREW SHANK NAILS AT 6" OC AT EDGES AND 12" OC OVER FIELD OF PANEL. GAPS BETWEEN PANELS SHALL BE 1/8"

WALL CONSTRUCTION SHALL BE 2"X4" & 2"X6" WOOD STUDS AT 16" OC, DOUGLAS FIR COMMON. TOP PLATES SHALL BE DOUBLE 2"X4" & 2"X6" WITH END JOINTS OFFSET MIN 48". ALL NOTCHING SHALL BE LIMITED TO 25% OF THE WIDTH OF STUD, DRILLED HOLES MAY NOT EXCEED 40% OF THE WIDTH OF STUD AND SHALL NOT BE CLOSER THAN 5/8" TO THE EDGE OF MEMBER.

EXTERIOR WALL SHEATHING SHALL BE 1/2" CDX PLYWOOD FOR MAXIMUM SPANS OF 24" USE 6D NAILS AT 6" OC AT EDGES AND 12" OC AT INTERMEDIATE SUPPORTS. GAPS AT EDGES OF SHEATHING SHALL BE 1/8". ROOF SHEATHING SHALL BE 5/8" CDX PLYWOOD FOR A MAXIMUM SPAN OF 24" OC AND SHALL BE NAILED TO RAFTERS WITH 6D RING OR SCREW SHANK NAILS AT 6" OC AT THE EDGES AND 10" OC OVER THE FIELD OF THE PANEL. GAPS BETWEEN PLYWOOD PANELS SHALL BE 1/8"

## **INSULATION + MOISTURE CONTROL**

EXTERIOR WALLS MIN - R21 INSULATE IN ACCORDANCE WITH THE MODEL ENERGY CODE. METAL FLASHINGS AND DRIP EDGES SHALL BE APPROVED SHEET METAL. PROVIDE FLASHINGS FOR CHIMNEYS, SADDLE, TOPS OF HORIZONTAL BANDS, SKIRTS, WINDOWS AND DOORS. INSTALL BASE FLASHING, WALL AND ROOF JOINT FLASHING, RIDGE, HIP, VALLEY & EDGE FLASHING, CRICKETS, SKYLIGHT FLASHING ETC., AS REQUIRED TO MAKE FOR WATERTIGHT JOINTS.

INSTALL ALUMINUM GUTTERS AND LEADERS AS REQUIRED AND CONNECT TO SITE'S STORM WATER DRAINAGE SYSTEM (DESIGNED BY ENGINEER) KEEP LEADERS AND GUTTERS SEPARATED FROM THE ABUTTING WALL SURFACES TO AVOID STAINING AND CORROSION. PROVIDE PROPER JOINTS FOR EXPANSION AND CONTRACTION.

DAMP-PROOFING: EXTERIOR FACE OF ALL CMU FOUNDATION WALLS SHALL RECEIVE TWO (2) COATS OF PORTLAND CEMENT PARGING APPLIED FROM COVE TO SILL PLATE. OVER THIS SHALL BE APPLIED ONE TROWEL COAT OF PLASTIC BITUMINOUS PITCH 1/8" THICKNESS CARRIED FROM FINISHED GRADE TO FOOTING.

SILL SEALER SHALL BE FIBERGLASS OR POLYURETHANE SILL SEALER 6 INCHES WIDE IN ROLL FORM. SEALER SHALL BE PLACED BETWEEN THE SILL PLATE AND THE FOUNDATION WALL IN A CONTINUOUS MANNER IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.

INSTALL "TYVEK" HOUSE WRAP OVER WALLS, WINDOWS, AND DOORS IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. SEAL ALL SEAMS, JOINTS, CORNERS, FLASHINGS, HEADERS AND ALL EXTERIOR VENTING HOLES WITH "3M" CONTRACTOR SHEATHING TAPE #8086. CONTRACTOR TO CAULK ALL OPENINGS IN EXTERIOR WALLS . CAULKING TO BE FIRST QUALITY SILICONE SEALANT AS MANUFACTURED BY GENERAL ELECTRIC OR DOW. INSTALLATION TO BE IN STRICT CONFORMANCE TO MANUFACTURERS REOUIREMENTS, CONTRACTOR TO PROPERLY CLEAN AND PREPARE SURFACES AS REQUIRED.

## **ROOF VENTILATION:**

VENTILATE ALL ATTIC AND RAFTER SPACE WITH PROPER SIZED SCREENED LOUVERS, RIDGE AND SOFFIT VENTS. TAPER INSULATION TO ALLOW AIR FLOW. ATTIC VENTILATION SHALL CONSIST OF CONTINUOUS SOFFIT VENTS, RIDGE VENTS AND GABLE END LOUVERS IN COMBINATIONS OF EACH. PROVIDE ONE SQUARE INCH OF VENT AREA FOR EACH 2 SQUARE FEET OF ATTIC FLOOR.

RIDGE VENTS:ATTIC OR ROOF VENTILATION SHALL BE RIDGE VENT ROLL FORMED .019 INCH ALUMINUM VENT AS MANUFACTURED BY AIR VENT INC. PEORIA ILL. OR EQUAL.

SOFFIT VENTS:SOFFIT VENTS SHALL BE STRIP VENT ROLL FORMED .019 INCH ALUMINUM VENT AS MANUFACTURED BY

AIR VENT INC. PEORIA ILL. OR EQUAL

GABLE VENTS AS INDICATED ON DRAWINGS.

### TILE:

CONTRACTOR TO INCLUDE ALL TILE AS FOLLOWS AS MINIMUM BID. CONTRACTOR TO PROVIDE PER SQUARE FOOT ALLOWANCE FOR TILE AND INSTALLATION.

## BATHROOMS

FLOORS IN BATHROOMS SHALL BE TILE AS SELECTED BY OWNER. ALL TILE SHALL BE "MUD SET" IN MINIMUM 1 1/4" THICK MORTAR BED OVER MESH REINFORCING, INSTALLED IN ACCORDANCE WITH "TILE COUNCIL OF AMERICA" LATEST EDITION. EXCEPTION WHERE EXISTING FLOOR SLAB WORK IS IN GOOD CONDITION, FREE FROM CRACKS AND LEVEL, THE CONTRACTOR MAY USE A "THIN SET" APPLICATION FOR ALL FLOOR TILE WORK. WALLS TO RECEIVE MINIMUM 6" BASE TILE AS SELECTED BY OWNER. TILE TO EXTEND TO CEILING

AROUND TUBS AND SHOWERS. ALL OF THE TILE WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE RECOMMENDATION AF THE TILE MFG'S ASSOCIATION. THE SURFACE SHALL BE CLEANED AND POLISHED AND LEFT IN PERFECT CONDITION.

BATHROOMS SHALL BE PROVIDED WITH STANDARD BATH ACCESSORIES INCLUDING RECESSED SOAP DISHES, TOWEL RACKS, RECESSED TOILET PAPER HOLDERS. COLOR AND STYLE TO BE SELECTED BY OWNER.

PLUMBING SCHEDULE							
FIXTURE	BRANCH PIPING						
TIATUKE	НОТ	COLD	DRAIN	TRAP	VENT		
TOILET (WC)		1/2"	3"		2"		
LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"		
BATH TUB	1/2"	1/2"	2"	2"	1-1/2"		
TUB/SHOWER	1/2"	1/2"	2"	2 "	1-1/2"		
KITCHEN SINK	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"		
DISH WASHER	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"		
FLOOR DRAIN	1/2"	1/2"	2"	1-1/2"	1-1/2"		

CONTRACTOR TO PROVIDE CLEAN CLEAR SURFACES, AND HAVE INSTALLED ALL SADDLES AND BASE TRIM ACCORDINGLY.

APPLIANCES SHALL BE SELECTED AND PURCHASED BY OWNER, AND INSTALLED BY CONTRACTOR

