

GENERAL NOTES

GENERAL CONDITIONS:

- THE PROVISIONS OF THESE CONSTRUCTION DOCUMENTS, IN WHOLE AND IN PART INCLUDING THESE NOTES AND DRAWINGS APPLY TO ALL PARTIES PERFORMING WORK FOR THE PROJECT. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONVEY, COORDINATE, AND ENSURE PERFORMANCE OF THESE PROVISIONS.
- ALL SUBCONTRACTORS SHALL COOPERATE IN THE COORDINATION AND PERFORMANCE OF THE WORK.
- THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, BONDS, INSURANCE, PERMITS, AND INSPECTIONS FOR COMPLETING THE WORK.
- THESE CONSTRUCTION DOCUMENTS ARE INSTRUMENTS OF SERVICE FOR THIS PARTICULAR PROJECT. THEY ARE THE SOLE PROPERTY OF THIS FIRM AND SHALL NOT BE OTHERWISE USED IN PART OR IN WHOLE WITHOUT WRITTEN PERMISSION AND DUE COMPENSATION.
- THE CONTRACTOR AND OWNER SHALL HOLD HARMLESS THE ARCHITECT FROM DAMAGES OR EXPENSES INCLUDING LEGAL FEES ARISING OUT OF THE CONTRACTORS PERFORMANCE OF WORK.
- THESE CONSTRUCTION DOCUMENTS MAKE NO REPRESENTATION AS TO THE SUITABILITY OF SOIL CONDITIONS, SUCH A REPRESENTATION OF WOULD REQUIRE TESTING AND PROFESSIONAL ENGINEERING REVIEW OF THE RESULTS.
- THESE CONSTRUCTION DOCUMENTS MAKE NO REPRESENTATION AS TO THE CONDITIONS OR SUITABILITY OF CONCEALED STRUCTURAL OR FOUNDATION ELEMENTS.
- THIS WORK OF THIS PROJECT SHALL BE PERFORMED AND/OR COORDINATED BY AN EXPERIENCED GENERAL CONTRACTOR OR CONSTRUCTION MANAGER, WITH AT LEAST THREE YEARS OF EXPERIENCE IN AT LEAST THREE PROJECTS OF SIMILAR SCOPE AND TYPE.

SCOPE OF THE WORK:

- THE CONTRACTOR SHALL ACQUAINT HIMSELF WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE CARRIED OUT.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING THE WORK OF THIS CONTRACT, WHERE DISCREPANCIES ARE FOUND NOTIFY THE ARCHITECT IMMEDIATELY.
- WHERE DRAWINGS, SPECIFICATIONS, OR OTHER CONSTRUCTION DOCUMENTS DISAGREE OR CONFLICT WITH EACH OTHER NOTIFY ARCHITECT IMMEDIATELY.
- THE CONTRACTOR SHALL PERFORM ALL INDICATED WORK AND RELATED WORK EVEN IF NOT CLEARLY INDICATED THAT MAY BE REASONABLY CONSIDERED AS NECESSARY FOR COMPLETION.
- THE CONTRACTOR SHALL PROTECT AGAINST DAMAGE OR THEFT TO ALL NEW AND EXISTING CONSTRUCTION, SITE DEVELOPMENT AND SERVICES.
- THE CONTRACTOR SHALL REPAIR DAMAGE TO THE EXISTING AND/OR NEIGHBORING CONSTRUCTION OR SITES CAUSED BY NEW CONSTRUCTION AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND LEGAL DISPOSAL OF ALL REFUSE AND FOR MAINTAINING THE WORK PLACE IN A SAFE AND ORDERLY CONDITION AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SERVICES AND ASSOCIATED HOOR-UPS, COORDINATION AND PERMISSIONS AT HIS OWN COST.
- THE CONTRACTOR IS CAUTIONED TO MAKE CONTINUOUS OBSERVATIONS OF THE EXISTING STRUCTURE DURING PERFORMANCE OF HIS WORK. SHOULD HE BECOME AWARE OF ANY INVESTIGATION OR STUDY (SUCH AS CRACKS IN MASONRY AND PARTITIONS, ADDITIONAL DEFLECTIONS, ETC) AND NOTIFY THE ARCHITECT IMMEDIATELY.
- PREPARE GARAGE AND UTILITY ROOM AS REQUIRED BY LOCAL CODES WITH 5/8" FIRE CODE "X" GYPSUM BOARD OR EQUAL.
- CRAWL SPACE ACCESS AND VENTILATION SHALL COMPLY WITH SECTION R 408.1 AND R 408.4 OF 2021 RESIDENTIAL CODE N.J. EDITION.

PERFORMANCE OF THE WORK:

- ALL WORK SHALL BE TO THE HIGHEST STANDARDS OF THE TRADE.
 - ALL MATERIALS AND PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND CODE REQUIREMENTS, AND AS OTHERWISE INDICATED IN CONTRACT DOCUMENTS.
 - ALL MATERIAL AND PRODUCTS SHALL BE NEW AND IN GOOD CONDITION. WHERE APPLICABLE THE CONTRACTOR SHALL PROVIDE THE OWNER WITH COPIES AND ASSIGNMENTS OF ALL GUARANTEES PROVIDED BY THE MANUFACTURER.
 - THE CONTRACTOR SHALL MAINTAIN THE MOST CURRENT SET OF CONSTRUCTION DOCUMENTS AT THE WORK SITE AT ALL TIMES.
 - DO NOT SCALE DRAWINGS. DIMENSIONS ARE FACE OF STUD OR TO FACE OF MASONRY UNLESS OTHERWISE NOTED. DIMENSIONS NOTED AS CLEAR OR CLEAR SHALL BE USED AS FINISHED SURFACE TO FINISHED SURFACE DIMENSION.
- ### DEMOLITION NOTES:
- ALL INDICATED DEMOLITION INCLUDES REQUIRED PATCHING, REPAIR AND MODIFICATIONS AS NECESSARY TO PREPARE FOR NEW WORK AND/OR MATCH EXISTING.
 - DEMOLITION WORK INCLUDES REMOVING ALL DEMOLITION DEBRIS FROM THE SITE IN A LEGAL AND TIMELY MANNER.
 - NOTIFY ARCHITECT IMMEDIATELY IF DEMOLITION REVEALS EXISTING CONDITIONS DIFFERENT FROM THOSE ASSUMED ON DRAWINGS.
 - REMOVAL OF PLUMBING FIXTURES OR PIPES INCLUDES CAPPING OFF ALL SUPPLY AND WASTE LINES.
 - REMOVAL OF ELECTRICAL FIXTURES OR WORK, INCLUDES PROPER TERMINATION OF ALL WIRES.
 - COORDINATE WITH PLUMBING FOR RELOCATION OF ALL EXISTING PLUMBING AND/OR GAS PIPING REQUIRED BY DEMOLITION AND/OR NEW WORK INDICATED.
 - COORDINATE WITH ELECTRICAL FOR RELOCATION OF ALL EXISTING WIRE AND/OR OTHER ELECTRICAL WORK REQUIRED BY DEMOLITION AND/OR NEW WORK INDICATED.
 - COORDINATE WITH HVAC FOR RELOCATION OF ALL EXISTING DUCTS AND/OR OTHER SYSTEM COMPONENTS AS WORK REQUIRED BY DEMOLITION AND/OR NEW WORK INDICATED.
 - SHORE UP ALL EXISTING FRAMING BEFORE TOTAL REMOVAL OF THE BEARING WALLS AND BEFORE NEW BEAMS ARE INSTALLED.

SITWORK/EARTHWORK:

- SITE WORK INCLUDES ALL ASPECTS OF SOIL MOVEMENT, PREPARATION, SOIL CONDITIONS, PAVING, AND GRASS SEEDING ASSOCIATED WITH THE PROJECT.
- SITE WORK INCLUDES ALL REGULATORY ASPECTS OF THE WORK INCLUDING SOIL RETENTION PROCEDURES, EXCAVATION APPROVALS, AND PERMITS AS MAY BE REQUIRED.
- SITE WORK INCLUDES ALL SOIL WORK RELATED TO FOUNDATION, SLABS, COMPACTION AND REQUIRED RETAINING WALLS.
- TREAT SOIL WITH APPROVED INSECTICIDES AT FOUNDATION AND CRAWL SPACE AREAS. USE MANUFACTURERS DISTRIBUTION RECOMMENDATIONS OF A TYPE APPROVED BY OWNER.
- STRIP OFF AND CONSERVE ALL TOP SOIL IN AREAS TO BE DISTURBED.
- PROVIDE A STABILIZED STONE SUB-BASE FOR CONSTRUCTION ACCESS IN THE LOCATION OF PROPOSED DRIVE WAY SEED WITH QUALITY MIX GRASS SEED (APPROVED BY OWNER) AND MAINTAIN ALL DISTURBED AREAS TO PROMOTE NEW LAWN FOR A PERIOD NOT LESS THAN 30 DAYS.
- CONTRACTOR SHALL INSTALL NEW 2" BITUMINOUS DRIVEWAY OVER 3" CRUSHED STONE WITH BELGIUM BLOCK CURBING AND SLATE SIDEWALK AS PER SITE PLAN, PROVIDE ALTERNATE PRICE.

MASONRY AND CONCRETE NOTES:

- MASONRY AND CONCRETE WORK INCLUDES ALL CONSTRUCTION INVOLVING STONE, BRICK, CONCRETE MASONRY UNITS AND POURED CONCRETE AND INCLUDES ALL ASSOCIATED MATERIALS LABOR AND EQUIPMENT FOR THE WORK.
- CONCRETE AND MASONRY WORK INCLUDES ALL GARAGE, CRAWL SPACE AND BASEMENT SLABS, PATIOS, FOUNDATIONS, AND BUILDING WALLS, RETAINING WALLS, WALKWAYS OR OTHER WORK AS APPROPRIATE TO THE TRADE INCLUDING ALL COORDINATION WITH OTHER TRADES AS TO EXCAVATION, GRADING, UTILITIES, ETC.
- MASONRY AND CONCRETE WORK INCLUDES ALL REINFORCING CALLED FOR AS NORMALLY PROVIDED, INCLUDING ALL REBAR, STEEL LINTELS, AND WIRE MESH.
- ALL CONCRETE SHALL BE MIN. STRENGTH 3,000 PSI AT 28 DAYS UNLESS OTHERWISE INDICATED.
- ALL CONCRETE MASONRY UNITS AND BRICK ARE TO BE RUNNING BOND UNLESS OTHERWISE INDICATED.
- PROVIDE FOUNDATION DAMP-PROOFING (2) LAYER HOT ASPHALTIC COATING OR OTHER APPROVED SYSTEMS.
- PROVIDE RADON MITIGATION MEASURES AS REQUIRED BY LOCAL CODE AND AS CALLED FOR IN THE DRAWINGS.
- PROVIDE #4 VERTICAL REBAR AT 8'-0" O.C. AT ALL CORNERS AND ON BOTH SIDES OF ALL MASONRY WALL OPENINGS. FOUR SOLID AT ALL REBAR LOCATIONS FOR MIN. 16".
- THE BOTTOM OF ALL EXTERIOR WALLS, COLUMNS AND FOOTINGS SHALL BE A MINIMUM OF 3'-0" BELOW FINISHED GRADE UNLESS OTHERWISE INDICATED ON THE WORKING DRAWINGS.
- WHEN FINISHED FLOOR IS 2'-0" OR GREATER ABOVE FINISHED GRADE, THE FOUNDATION WALL SHALL BE REINFORCED FROM TOP OF FOOTING TO 12" ABOVE FLOOR SLAB, FILL BLOCK SOLID WITH CONCRETE AND PROVIDE VERTICAL ROD REINFORCING AT 12" O.C.
- PROVIDE HORIZONTAL TRUSS-TYPE REINFORCING EVERY OTHER BLOCK COURSE.
- ALL FOOTING SHALL BEAR ON VIRGIN SOIL OF 3,000 P.S.F. BEARING CAPACITY.
- PROVIDE LINTELS OVER MASONRY OPENINGS. STEEL LINTELS SHALL BE TWO (2) 3 1/2" x 3 1/2" x 1/2" UNLESS OTHERWISE NOTED.
- DO NOT ERECT MASONRY WALLS WHEN TEMPERATURE IS BELOW 25 DEGREES WITHOUT RECEIVING WRITTEN PERMISSION AND SPECIAL REQUIREMENTS FROM THE ARCHITECT. FOR TEMPERATURES LESS THAN 40 DEGREES BUT MORE THAN 25 DEGREES MAINTAIN MORTAR TEMPERATURE BETWEEN 40 AND 120 DEGREES, HEATING MIXING WATER AS NECESSARY. MASONRY UNITS SHALL BE HEATED TO A MINIMUM TEMPERATURE OF 40 DEGREES.
- WHERE EXPOSED MASONRY MUST BE TRIMMED, SAWCUT ALL EXPOSED JOINTS.

ENERGY NOTES:

- THE CONSTRUCTION SHALL MEET OR EXCEED ALL STATE ENERGY CODE REQUIREMENTS.
 - ALL FRAMED EXTERIOR WALLS OR WALLS ADJACENT TO UNHEATED SPACES SHALL COMPLY WITH THE PRESCRIPTIVE REQUIREMENTS OF 2018 IECC A5.2.1.1 MINIMUM R-39 INSULATION IN FLOOR/CEILING ASSEMBLIES, MINIMUM R-19 IN FLOOR ASSEMBLIES. REFER TO CHART BELOW FOR ALL OTHER AREAS.
- | 2021 IECC FOR CLIMATE ZONE 4 & 5 | |
|----------------------------------|-------------|
| CEILING R-VALUE | R-30 MIN. |
| WOOD FRAME WALL R-VALUE | R-19 |
| MASONRY WALL R-VALUE | R-19 |
| FLOOR R-VALUE | R-39 |
| BASEMENT WALL R-VALUE | R-10/13 |
| SLAB R-VALUE | R-10 @ 2 FT |
| CRAWL SPACE R-VALUE | R-10/13 |
| PENETRATION U-VALUE | 0.35 |
| SKYLIGHT U-VALUE | 0.60 |
- ALL SLABS ON GRADE SHALL HAVE PERIMETER INSTALLATION 2" x 24" RIGID BOARD; HORIZONTAL AND VERTICAL (NOT IN BASEMENT UNLESS OTHERWISE NOTED).
 - INSULATE ALL PIPES, DUCTS, AND TANKS AS REQUIRED BY BOCA INTERNATIONAL ENERGY CODE.
 - SUPPLY ALL WINDOWS AND DOORS WITH STOPS AND SEALS FOR A MAX INFILTRATION OF 0.5 CFM PER FOOT OR 5/8" CRACK.
 - CAULK OR WEATHER STRIP ALL EXTERIOR JOINTS AROUND DOORS AND WINDOWS TO MINIMIZE INFILTRATION.

GLAZING NOTES:

- WINDOWS NOTED AS EGRESS PROVIDE MINIMUM CLEAR OPENING OF 6.7 SQ. FT. WITH MIN. 20" WIDTH AND 24" HEIGHT. EGRESS WINDOWS ON THE FIRST FLOOR SHALL HAVE A MINIMUM CLEAR OPENING OF 5.0 SQ. FT.
- SILL HEIGHT FOR WINDOWS INDICATED AS EGRESS WINDOWS SHALL NOT EXCEED 44" ABOVE THE FLOOR.
- PROVIDE TEMPERED GLASS AS INDICATED ON DRAWINGS IN ALL GLASS AT BATH AND SHOWER AREAS LESS THAN 72" A.F.F. IN ALL GLASS IN DOORS, AND AS OTHERWISE REQUIRED.

WOOD, FRAMING AND CARPENTRY:

- ALL STRUCTURAL WOOD MEMBERS SHALL BE NO.2 DOUGLAS FIR OR SOUTHERN PINE.
- ALL WOOD EXPOSED TO THE EXTERIOR OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED UNLESS OTHERWISE NOTED ON THE DRAWINGS. (OR A TYPE APPROVED BY OWNER).
- ALL INTERIOR TRIM SHALL BE PAINT-GRADE PINE AND/OR STAIN-GRADE PINE, VERIFY FINAL SELECTION WITH OWNER.
- PROVIDE DOUBLE MEMBERS AROUND ALL FRAMED OPENING.
- PROVIDE SOLID BLOCKING AT ALL CANTILEVERS PERPENDICULAR WALLS ABOVE, AND OTHER CONCENTRATED LOADS. PROVIDE DOUBLE JOISTS RUNNING PARALLEL TO PARTITIONS ABOVE.
- PROVIDE BRIDGING AT 8'-0" O.C. MAXIMUM.
- PROVIDE ALL WORK INDICATED AS CABINETRY, VANITIES, SHELVES, OR MANTELS, AND/OR COORDINATE CARPENTRY WITH TILE OR GRANITE WORK AS APPROPRIATE.
- SILL PLATE SHALL BE (2) 2" x 6" TREATED LUMBER, FASTEN TO FOUNDATION WALL. MINIMUM 8'-0" O.C. WITH A 1/2" DIAMETER x 18" MINIMUM LENGTH SOLIDLY EMBEDDED IN CONCRETE.
- ALL FRAMING LUMBER SHALL BE NO.2 DOUGLAS FIR OR SOUTHERN PINE WITH MINIMUM Fb OF 1450 P.S.I. AND MINIMUM E OF 1,700,000.
- ALL WALLING SHALL BE IN ACCORDANCE WITH 2021 INTERNATIONAL RESIDENTIAL CODE NEW JERSEY EDITION.
- PROVIDE CATS AS REQUIRED, MINIMUM 8'-0" O.C.
- WOOD HEADERS (2) 2" x 8" FOR OPENINGS UP TO 5'-0" AND (2) 2" x 10" FOR OPENINGS UP TO 8'-0" UNLESS OTHERWISE NOTED ON THE PLANS.
- STAIR, GUARD RAILS AND HAND RAILS AT DECKS, BALCONIES OR STAIRCASES SHALL COMPLY WITH THE SECTION OF 2018 INTERNATIONAL RESIDENTIAL CODE NEW JERSEY EDITION.
- DESIGN LOADS:

FLOORS:	40 PSF LIVE LOAD
	10 PSF DEAD LOAD
ROOF:	10 PSF LIVE LOAD
	10 PSF DEAD LOAD

WIND LOAD: MINIMUM DESIGN WIND LOAD = 110 MPH BASIC WIND SPEED - EXPOSURE B IN ACCORDANCE WITH AF & PA WOOD CONSTRUCTION MANUAL FOR 1 AND 2 FAMILY DWELLINGS "WFCM".

FINISH NOTES:

- DO NOT START THE APPLICATION OR INSTALLATION OF ANY FINISHED MATERIAL WITHOUT INSURING THE SUBSTRATE IS ACCEPTABLE AND PROPERLY PREPARED.
- WHERE APPROPRIATE FOR PROPER INSTALLATION OR APPLICATION FINISH WORK INCLUDES ALL REMOVAL OF EXISTING FINISHES INCLUDING WALL COVERING, PAINT AND OTHER COATINGS, AND FLOORING MATERIALS.
- ALL FINISHED WORK INCLUDES LEVELING BETWEEN FLOORS.
- PROVIDE OWNER WITH SAMPLES OF ALL INTERIOR AND EXTERIOR FINISH MATERIALS FOR ACCEPTANCE BEFORE ORDERING.
- INSTALLATION OF FINISHES, INTERIOR AND EXTERIOR SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- GYPSUM BOARD INSTALLATION INCLUDES TAPING AND SPACKLING (THREE COATS) ALL WALLS IN THE HOUSE, TWO COATS IN CLOSETS, AND ONE COAT IN THE GARAGE.
- PAINTING CONTRACTOR SHALL PROVIDE (1) COAT PRIMER AND (2) COAT FINISH WITH BENJAMIN MOORE PAINT OR EQUAL.
- ALL BATHROOMS SHALL HAVE TILE FLOORS AND WALLS, TILES ARE SELECTED BY OWNER.
- ALL TUBS AND SHOWERS SHALL HAVE MOLDED ENCLOSURES AS SELECTED BY OWNER.
- ALL HARDWARE SHALL BE SELECTED BY OWNER.
- ALL WOOD FLOORS WHERE INDICATED ON THE PLANS SHALL BE #1 OAK FINISHED NATURAL WITH (2) COATS OF POLYURETHANE.
- ALL TRIMS SHALL BE 3" CASING AND 6" BASE (SATIN GRADE AND/OR PAINT GRADE) AS SELECTED BY OWNER.

ELECTRICAL NOTES:

- ALL WORK PERFORMED TO CONFIRM TO ALL STATE, COUNTY, TOWN AND LOCAL CODES.
- CONTRACTOR SHALL BE LICENSED BY THE STATE AND TO PROVIDE ALL NECESSARY DESIGN WORK NECESSARY TO OBTAIN ALL PERMITS, HARDWARE CONNECTIONS, FIXTURES, BULBS, PLATES, ETC.
- ALL ELECTRICAL WORK IS THROUGH TO COMPLETE INSTALLATION INCLUDING ALL LABOR, EQUIPMENT, AND ALL MATERIALS FOR DISTRIBUTION SYSTEM AND PANEL, BOARDS, WIRING, HARDWARE CONNECTIONS, FIXTURES, BULBS, PLATES, ETC.
- PROVIDE GROUND FAULT INTERRUPT OUTLETS WITHIN SIX FEET OF ANY WATER SOURCE, IN GARAGES, BASEMENTS AND AS INDICATED ON PLAN (G.F.I.).
- SMOKE DETECTORS TO BE INSTALLED TO MEET ALL UPDATED LOCAL AND STATE CODES. ALL ALARMS TO SOUND SIMULTANEOUSLY.
- THE CONTRACTOR WILL PROVIDE ALL ELECTRICAL WORK NECESSARY TO COMPLETE THE PROJECT, GENERAL CONTRACTOR TO FURNISH AND INSTALL LIGHTING FIXTURES.
- ALL BATHROOMS TO HAVE FAIL-SAFE CIRCUITS.

PLUMBING NOTES:

- ALL PLUMBING WORK SHALL BE BY A LICENSED PLUMBER.
- ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.
- PLUMBING WORK INCLUDES ALL SUPPLY, WASTE, AND VENT PIPING, PROVISIONS AND COMPLETE INSTALLATION FOR FIXTURE SHUTOFF VALVES FOR EACH FIXTURE GROUP. PROVISION AND COMPLETE INSTALLATION OF ANY REQUIRED HOT-WATER HEATER.
- PLUMBING WORK INCLUDES ALL NATURAL GAS AND PROPANE PIPING, INCLUDING SERVICE CONNECTION TO ALL GAS APPLIANCES AND PURNACES.
- WASTE PIPING SHALL BE APPROVED PVC, SUPPLY PIPING SHALL BE TYPE "L" COPPER PIPE.
- PROVIDE CLEANOUTS AS REQUIRED BY CODE, NOT MORE THAN 75'-0" APART, AT ALL TURNS OF 45 DEGREES OR MORE.
- ALL PLUMBING FIXTURES SHALL BE SELECTED BY OWNER, (REFER TO PLUMBING FIXTURE SCHEDULE).

HVAC/MECHANICAL NOTES:

- ALL HEATING, COOLING AND VENTILATION SHALL BE PERFORMED BY A QUALIFIED MECH. SUBCONTRACTOR ACCORDING TO ALL CODES.
- WORK OF THE CONTRACTOR INCLUDES ALL WORK REQUIRED FOR A COMPLETELY INSTALLED FUNCTIONING, BALANCED AND TESTED HVAC SYSTEM. WORK OF THE CONTRACT ALSO INCLUDES PROVIDING ALL HEATERS, RADIATORS, REGISTERS DUCTWORK AND ANY OTHER ACCESSORIES MADE NECESSARY BY THE WORK OF THIS CONTRACT INCLUDING ALL RELOCATIONS, MODIFICATIONS OF EXTENSIONS TO THE EXISTING SYSTEM, AS WELL AS NEW OR SUPPLEMENTAL SYSTEMS.
- SUBCONTRACTOR SHALL CHECK AND VERIFY UNIT CAPACITIES AND DEMAND LOADS FOR BOTH NEW AND EXISTING UNITS. CONTRACTOR SHALL REVIEW WITH THE OWNER THE ENTIRE HVAC LAYOUT INCLUDING ZONES AND THERMOSTAT LOCATIONS, AND THE LOCATIONS OF ALL RADIATORS, REGISTERS AND RETURNS. MARK LOCATIONS FOR REVIEW BY OWNER.

2021 INTERNATIONAL RESIDENTIAL CODE CHAPTER 6

THIS COMPREHENSIVE CODE COMPRISES ALL BUILDING, PLUMBING, MECHANICAL, FUEL GAS AND ELECTRICAL REQUIREMENTS FOR ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES UP TO THREE STORIES. FOR THE MOST CURRENT ADOPTIONS DETAILS GO TO INTERNATIONAL CODE ADOPTIONS THE IRC CONTAINS MANY IMPORTANT CHANGES SUCH AS: AN UPDATED SEISMIC MAP REFLECTS THE MOST CONSERVATIVE SEISMIC DESIGN CATEGORY (SDC) BASED ON ANY SOIL TYPE AND A NEW MAP REFLECTS LESS CONSERVATIVE SDCS WHEN SITE CLASS A, B OR D IS APPLICABLE. THE TOWNHOUSE SEPARATION PROVISIONS NOW INCLUDE OPTIONS FOR USING TWO SEPARATE FIRE-RESISTANT-RATED WALLS OR A COMMON WALL. AN EMERGENCY ESCAPE AND RESCUE OPENING IS NO LONGER REQUIRED IN BASEMENT SLEEPING ROOMS WHERE THE DWELLING HAS AN AUTOMATIC FIRE SPRINKLER SYSTEM AND THE BASEMENT HAS A SECOND MEANS OF EGRESS OR AN EMERGENCY ESCAPE OPENING. THE EXEMPTION FOR INTERCONNECTION OF SMOKE ALARMS IN EXISTING AREAS HAS BEEN DELETED. NEW GIRDER/HEADER TABLES HAVE BEEN REVISED TO INCORPORATE THE USE OF #2 SOUTHERN PINE IN LIEU OF #1 SOUTHERN PINE. NEW TABLES ADDRESS ALTERNATE WOOD STUD HEIGHTS AND THE REQUIRED NUMBER OF FULL HEIGHT STUDS IN HIGH WIND AREAS.

ENERGY CALCULATIONS:

PER THE UNIFORM CONSTRUCTION CODE N.J.A.C. 5:23-2.15 (I) (VI) (ENERGY CALCULATIONS) APPLICANTS ARE REQUIRED TO DEMONSTRATE COMPLIANCE WITH THE ENERGY SUBCODE & 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) AS PART OF THE PERMIT APPLICATION PROCESS FOR NEWLY CONSTRUCTED BUILDING OR ADDITION. THE PROJECT LOCATED IN CLIMATE ZONE 4 COMPLIES WITH THE PRESCRIPTIVE PACKAGE OPTION No. 4 BULLETIN No. 1-1, AS FOLLOWS:

WOOD FRAME CONSTRUCTION 2018 IECC CODE CHAPTER 4	REQUIRED	PROPOSED
PENETRATION (U)	0.35	<=0.35
CEILING (R)	49 / 38*	38*
WALL (R)	20	21
FLOOR (R)	19	19

*402.2.1 ALLOWS R-38 WHEREVER THE FULL HEIGHT OF UNCOMPRESSED R-38 INSULATION EXTENDS OVER THE WALL TOP PLATE AT THE EAVES.

SITE INFORMATION

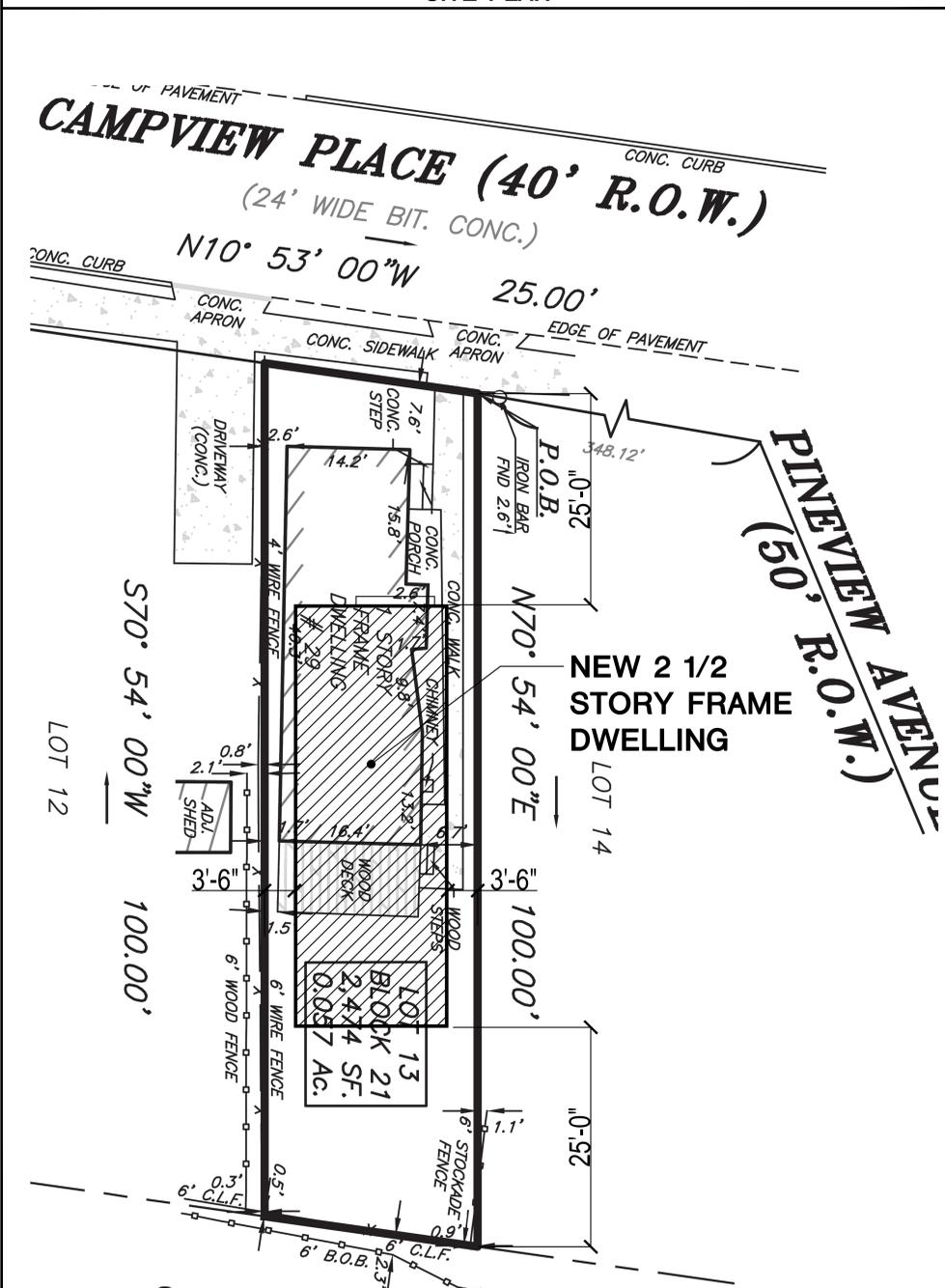
BUILDING STATISTICS

- CONSTRUCTION CLASS: 5B
- USE GROUP CLASSIFICATION: R5 RESIDENTIAL
- ENGINEERING PLAN & DETAILS ARE DRAWN IN ACCORDANCE WITH ASCE 24
- 10 MPH EXPOSURE 'B' WIND ZONE

BUILDING DATA

HABITABLE AREA	EXISTING AREA	NEW AREA	TOTAL AREA
GROUND FLOOR			789
FIRST FLOOR			835
SECOND FLOOR			835
TOTAL			2,459
HABITABLE AREA	EXISTING VOLUME	NEW VOLUME	TOTAL VOLUME
GROUND FLOOR			7,890 CF
FIRST FLOOR			7,515 CF
SECOND FLOOR			6,660 CF
TOTAL			22,065 CF

SITE PLAN



NOTE: THE SITE PLAN INFO WAS TAKEN FROM A SURVEY PROVIDED BY: "INSITE SURVEYING, LLC," PROFESSIONAL LAND SURVEYOR - 1955 ROUTE 34, SUITE 1A, WALL N.J. 07719.

DRAWING LIST

- T-100 TITLE SHEET
- A-100 CONSTRUCTION FLOOR PLANS
- A-101 EXTERIOR ELEVATIONS AND SCHEDULES
- A-102 CROSS SECTIONS AND DETAILS

FOR FILING
ISSUED: 5/22/2023

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No.	DATE	DESCRIPTION

RESIDENCE
29 CAMPVIEW PLACE
KEANSBURG, NEW JERSEY

TITLE SHEET

Seal & Signature: _____ Job Type: _____
Project No.: _____ Scale: AS NOTED
Date: _____ Drawn By: _____
Reviewed By: _____ Drawing No.: _____
T-100
SHEET No.: 1 OF 4
N.J. LIC. #A115228

RESIDENCE NEW 2 1/2 STORY FRAME DWELLING