

SECTION 1 - GENERAL REQUIREMENTS

- 1. THE ARCHITECT IS THE AUTHOR OF THESE DOCUMENTS AND RETAINS ALL COMMON LAW, STATUTORY, AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT FOR THE USE SOLELY BY THE ARCHITECT... 2. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES AND ALL APPLICABLE JURISDICTION... 3. WHILE THE ARCHITECT HAS TENDED BEST ON THE FOLLOWING NOTES TO CATEGORIZE THE INFORMATION UNDER A TITLE THAT PERTAINS TO A SPECIFIC TRADE OR SUPPLIER, THERE ARE MANY NOTES THAT APPLY TO SEVERAL OTHER TRADES OR SUPPLIERS, SO IT IS IMPERATIVE THAT ALL NOTES BE REVIEWED BY ALL TO ASSURE THERE IS A CLEAR UNDERSTANDING TO THE ENTIRE PROJECT...

SECTION 2 - EXCAVATION/SITE CLEARING

- 1. SITE EXCAVATION SHALL BE IN ACCORDANCE WITH CIVIL DRAWINGS THAT WERE REVIEWED AND APPROVED BY THE LOCAL AUTHORITY... 2. ALL CONCRETE TO BE WEDGED & PLACED IN ACCORDANCE WITH A.C.I. STANDARDS, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND ASTM C50... 3. BEARING CAPACITY SHALL BE DETERMINED TO EXCEED 3,000 PSF... 4. ALL CONCRETE SHALL BE WEDGED & PLACED IN ACCORDANCE WITH A.C.I. STANDARDS, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND ASTM C50...

SECTION 3 - CONCRETE

- 1. ALL CONCRETE TO BE WEDGED & PLACED IN ACCORDANCE WITH A.C.I. STANDARDS, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND ASTM C50... 2. BEARING CAPACITY SHALL BE DETERMINED TO EXCEED 3,000 PSF... 3. ALL CONCRETE SHALL BE WEDGED & PLACED IN ACCORDANCE WITH A.C.I. STANDARDS, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND ASTM C50... 4. ALL CONCRETE SHALL BE WEDGED & PLACED IN ACCORDANCE WITH A.C.I. STANDARDS, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND ASTM C50...

SECTION 4 - MASONRY

- 1. ALL MASONRY CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE "MASONRY TECHNICAL NOTES" BY THE MASONRY ADVISORY COUNCIL, INCLUDING ITS HOT AND COLD WEATHER PROCEDURES... 2. THE OWNER SHALL SELECT BRICK, STONE, AND MORTAR PROPS TO STARTING FROM CONTRACTOR SUPPLIED SAMPLES... 3. ALL MASONRY MATERIAL SHALL BE THOROUGHLY TEST BEFORE LAYOUT... 4. ALL MASONRY MATERIAL SHALL BE THOROUGHLY TEST BEFORE LAYOUT... 5. ALL MASONRY MATERIAL SHALL BE THOROUGHLY TEST BEFORE LAYOUT...

SECTION 5 - STEEL

- 1. ALL STRUCTURAL STEEL SHALL BE SHIP PROTECTED WITH FABRICATOR'S STANDARD LEAD-FREE AND CHLORINE-FREE, NON-ASPHALTIC, RUST-INHIBITING PRIMER... 2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS OF ASTM AS FOLLOWS: W-SHAPES PER ASTM A992, CHANNELS, ANGLES, PLATES AND BARS PER ASTM A36, COLD FORMED LIGHT STRUCTURAL SECTIONS PER ASTM A500, PIPE COUPLERS PER ASTM A53, TYPE E OR S, GRADE B, Fy=36 KSI, AND HIGH-STRENGTH BOLTS, NUTS, AND WASHERS PER ASTM A325 WITH 3/4" DIAMETER MINIMUM, UNLESS NOTED OTHERWISE... 3. ALL STEEL SHALL BE FABRICATED, DETAIL, AND ERECTED IN ACCORDANCE WITH ALL SPECIFICATIONS...

SECTION 6 - CARPENTRY

- 1. DESIGN CRITERIA FOR LUMBER DESIGN VALUES... 2. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESURE TREATED... 3. MICROUM WOOD BEAMS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS... 4. FLOOR MANUFACTURER'S INSTRUCTIONS AS TO BEARING POINTS AND DETAILS... 5. FOLLOW MANUFACTURER'S INSTRUCTIONS AS TO BEARING POINTS AND DETAILS... 6. PROVIDE 2x12 SPACERS AT 8" OC AT ALL CEILING JOISTS SPANNING UNRESISTED MORE THAN 10'... 7. PROVIDE 2x4 WOOD SILL PLATES ON TOP OF FOUNDATIONS HELD IN PLACE WITH ANCHOR BOLTS AS DETAIL AND SETTING ON 18" MINIMUM FINISHED FLOOR LEVEL... 8. PROVIDE TREATED 2x4 WOOD SILL PLATES ON TOP OF FOUNDATIONS HELD IN PLACE WITH ANCHOR BOLTS AS DETAIL AND SETTING ON 18" MINIMUM FINISHED FLOOR LEVEL... 9. PROVIDE TREATED 2x4 WOOD SILL PLATES ON TOP OF FOUNDATIONS HELD IN PLACE WITH ANCHOR BOLTS AS DETAIL AND SETTING ON 18" MINIMUM FINISHED FLOOR LEVEL...

SECTION 7 - FIRE BLOCKING

- 1. FIRE BLOCKING PER SECTION IRC R302.1.1 SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS, BOTH VERTICALLY AND HORIZONTALLY, AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN SPACES AND BETWEEN A TOP OF ROOF SPACE... 2. IN CONCEALED SPACES OF STUD WALLS, FURRED SPACES, AND PARALLEL OR STAGGERED ROWS OF STUDS, PROVIDE FIRE BLOCKING VERTICALLY AT THE CEILING AND FLOOR LEVELS AND HORIZONTALLY AT STUDS... 3. ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SORTERS, DROP CEILING, AND CEILING JOISTS... 4. ENCLOSED SPACES UNDER STAIRS THAT IS ACCESSED BY A DOOR OR ACCESS PANEL SHALL HAVE THE WALLS, UNDER-STAIR SPACING, AND ANY SORTERS PROVIDED ON THE ENCLOSED SIDE WITH 1/2" OFSM BOARD... 5. FIRE BLOCKING MATERIAL SHALL BE 2x4 LAMBS, (2) LAYERS OF 1/4" LAMBER WITH BROKEN UP JOINTS... 6. FIRE BLOCKING MATERIAL SHALL BE 2x4 LAMBS, (2) LAYERS OF 1/4" LAMBER WITH BROKEN UP JOINTS...

SECTION 8 - MOISTURE/WATER CONTROL

- 1. SEE SECTION 14 - I.E.C.C. #2 PLANS AND THERMAL CONTROL REQUIREMENTS... 2. ALL INSULATION SHALL BE PER BUILDERS SPECIFICATIONS AND AT A MINIMUM, AS INDICATED BY CODE... 3. PROVIDE AIR BARRIERS ON THE WARM SIDE OF THE CONSTRUCTION, UNLESS NOTED OTHERWISE... 4. ALL GAPS AND SPACES AROUND EXTERIOR DOOR AND WINDOW FRAMES AND ALL HOLES PENETRATING INTO UNFINISHED SPACES SHALL RECEIVE SEAM INSULATION SURROUNDING AREA... 5. PROVIDE AIR BARRIERS ON THE WARM SIDE OF THE CONSTRUCTION, UNLESS NOTED OTHERWISE... 6. PROVIDE AIR BARRIERS ON THE WARM SIDE OF THE CONSTRUCTION, UNLESS NOTED OTHERWISE... 7. PROVIDE AIR BARRIERS ON THE WARM SIDE OF THE CONSTRUCTION, UNLESS NOTED OTHERWISE...

SECTION 9 - DOORS & WINDOWS

- 1. INSTALL WINDOWS AND DOORS PER MANUFACTURER'S REQUIREMENTS... 2. ALL WINDOW AND DOOR PER BUILDERS SPECIFICATIONS AND IN ACCORDANCE WITH U22S AND WIRED IN ACCORDANCE WITH THE PROVISIONS OF THE NEC... 3. ALL WINDOWS SHALL BE DOUBLE-GLAZED INSULATED GLASS PER BUILDERS SPECIFICATIONS... 4. PROVIDE TYPICAL WINDOW OR DOOR FRAME FOR TYPICAL SINGLELS... 5. ALL WINDOW AND DOOR PER MANUFACTURER'S REQUIREMENTS... 6. PROVIDE AIR BARRIERS ON THE WARM SIDE OF THE CONSTRUCTION, UNLESS NOTED OTHERWISE... 7. PROVIDE AIR BARRIERS ON THE WARM SIDE OF THE CONSTRUCTION, UNLESS NOTED OTHERWISE... 8. PROVIDE AIR BARRIERS ON THE WARM SIDE OF THE CONSTRUCTION, UNLESS NOTED OTHERWISE...

SECTION 10 - HVAC

- 1. ALL HEATING AND COOLING EQUIPMENT SHALL BE SIZED BY HVAC CONTRACTOR USING MANUA S & MANUAL J... 2. THE HEATING SYSTEM SHALL BE DESIGNED TO OPERATE AT 72 DEGREES F AND COOLING AT 64-67 ABOVE THE FLOOR WHEN IT IS 10 DEGREES OUTSIDE WITH A 15 MPH WIND... 3. PROVIDE 7% DEGREE F COOLING WHEN THE OUTSIDE TEMPERATURE IS 95 DEGREE F... 4. MECHANICAL SYSTEM SHALL BE PER BUILDERS SPECIFICATIONS... 5. PROVIDE COMBUSTION AIR FOR ALL FUEL GAS APPLIANCES INCLUDING FURNACES, FINISH, WATER HEATERS, BOILERS, ETC. IN COMPLIANCE WITH SECTION 2402.7... 6. PROVIDE AIR BARRIERS ON THE WARM SIDE OF THE CONSTRUCTION, UNLESS NOTED OTHERWISE... 7. PROVIDE AIR BARRIERS ON THE WARM SIDE OF THE CONSTRUCTION, UNLESS NOTED OTHERWISE... 8. PROVIDE AIR BARRIERS ON THE WARM SIDE OF THE CONSTRUCTION, UNLESS NOTED OTHERWISE...

SECTION 11 - SMOKE & CO DETECTORS

- 1. PROVIDE A PROGRAMMABLE THERMOSTAT FOR EACH FURNACE/BOILER... 2. ALL SUPPLY DUCTS IN ATTICS AND UN-HEATED SPACES SHALL BE SHEET METAL AND INSULATED, SEE SECTION 14 I.E.C.C. #2 FOR MORE INFORMATION... 3. ALL RETURN DUCTS SHALL BE IN SHEET METAL USING STUD OR JOIST BARS ARE NOT ALLOWED... 4. ALL OUTDOOR JOISTS SHALL BE TAPE AS ALLOWED BY CODE TO PREVENT AIR LEAKAGE... 5. THE ELECTROCK IS TO RUN BETWEEN JOISTS AS MUCH AS POSSIBLE TO KEEP THE BASEMENT CEILING AS CLEAN AS POSSIBLE... 6. PROVIDE ONE OR MORE SUPPLY RETURNS IN THE BASEMENT TO ENSURE A WARM FLOOR AND PREVENT FREEZING OF THESE RIS... 7. PROVIDE ANY NECESSARY ELECTRICAL AND GAS CONNECTIONS TO THE FURNACE, THERMOSTAT, ETC... 8. PROVIDE VENT TO EXTERIOR FOR NEW FURNACES AS REQUIRED AND AS SHOWN ON DRAWINGS... 9. ALL GAS VENTS TO HAVE A MINIMUM 1" CLEARANCE TO ALL COMBUSTIBLES AND TO BE PRESTRIPPED AT JOINTS... 10. PROVIDE A PROGRAMMABLE THERMOSTAT FOR EACH FURNACE/BOILER... 11. PROVIDE A PROGRAMMABLE THERMOSTAT FOR EACH FURNACE/BOILER... 12. PROVIDE A PROGRAMMABLE THERMOSTAT FOR EACH FURNACE/BOILER...

SECTION 12 - ELECTRICAL

- 1. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ILLINOIS... 2. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ILLINOIS... 3. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ILLINOIS... 4. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ILLINOIS... 5. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ILLINOIS...

SECTION 13 - MECHANICAL/PLUMBING SYMBOLS

- 1. MECHANICAL/PLUMBING SYMBOLS... 2. MECHANICAL/PLUMBING SYMBOLS... 3. MECHANICAL/PLUMBING SYMBOLS... 4. MECHANICAL/PLUMBING SYMBOLS... 5. MECHANICAL/PLUMBING SYMBOLS... 6. MECHANICAL/PLUMBING SYMBOLS... 7. MECHANICAL/PLUMBING SYMBOLS... 8. MECHANICAL/PLUMBING SYMBOLS... 9. MECHANICAL/PLUMBING SYMBOLS... 10. MECHANICAL/PLUMBING SYMBOLS...

SECTION 14 - I.E.C.C. (2021)*

- 1. PROVIDE COMPLIANCE WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, THIS PROJECT WILL BE CONSIDERED AS A RESIDENTIAL ENERGY CONSERVATION... 2. PROVIDE COMPLIANCE WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, THIS PROJECT WILL BE CONSIDERED AS A RESIDENTIAL ENERGY CONSERVATION... 3. PROVIDE COMPLIANCE WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, THIS PROJECT WILL BE CONSIDERED AS A RESIDENTIAL ENERGY CONSERVATION... 4. PROVIDE COMPLIANCE WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, THIS PROJECT WILL BE CONSIDERED AS A RESIDENTIAL ENERGY CONSERVATION... 5. PROVIDE COMPLIANCE WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, THIS PROJECT WILL BE CONSIDERED AS A RESIDENTIAL ENERGY CONSERVATION...

SECTION 15 - ATTIC & CRAWL ACCESS

- 1. PROVIDE A 22"x30" MIN ACCESS PLATE TO ANY ATTIC SPACE THAT IS 30 SF OR LARGER WITH AT LEAST 3/8" HEAD CLEARANCE MEASURED FROM TOP OF JOISTS TO BOTTOM OF STRUCTURE ABOVE... 2. PROVIDE A 22"x30" MIN ACCESS PLATE TO ANY ATTIC SPACE THAT IS 30 SF OR LARGER WITH AT LEAST 3/8" HEAD CLEARANCE MEASURED FROM TOP OF JOISTS TO BOTTOM OF STRUCTURE ABOVE... 3. PROVIDE A 22"x30" MIN ACCESS PLATE TO ANY ATTIC SPACE THAT IS 30 SF OR LARGER WITH AT LEAST 3/8" HEAD CLEARANCE MEASURED FROM TOP OF JOISTS TO BOTTOM OF STRUCTURE ABOVE... 4. PROVIDE A 22"x30" MIN ACCESS PLATE TO ANY ATTIC SPACE THAT IS 30 SF OR LARGER WITH AT LEAST 3/8" HEAD CLEARANCE MEASURED FROM TOP OF JOISTS TO BOTTOM OF STRUCTURE ABOVE...

SECTION 16 - MISCELLANEOUS

- 1. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ILLINOIS... 2. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ILLINOIS... 3. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ILLINOIS... 4. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ILLINOIS... 5. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ILLINOIS...

SECTION 17 - FINISHES

- 1. ALL FINISHES PER BUILDERS SPECIFICATIONS AND WILL SUPPLEMENT ANY FINISHES NOTED ON THESE DRAWINGS WITH THE EXCEPTION OF THE FOLLOWING... 2. ALL FINISHES PER BUILDERS SPECIFICATIONS AND WILL SUPPLEMENT ANY FINISHES NOTED ON THESE DRAWINGS WITH THE EXCEPTION OF THE FOLLOWING... 3. ALL FINISHES PER BUILDERS SPECIFICATIONS AND WILL SUPPLEMENT ANY FINISHES NOTED ON THESE DRAWINGS WITH THE EXCEPTION OF THE FOLLOWING... 4. ALL FINISHES PER BUILDERS SPECIFICATIONS AND WILL SUPPLEMENT ANY FINISHES NOTED ON THESE DRAWINGS WITH THE EXCEPTION OF THE FOLLOWING... 5. ALL FINISHES PER BUILDERS SPECIFICATIONS AND WILL SUPPLEMENT ANY FINISHES NOTED ON THESE DRAWINGS WITH THE EXCEPTION OF THE FOLLOWING...

SECTION 18 - NAPERVILLE NOTES

- 1. THE FOLLOWING LOCAL ORDINANCES IN THIS SECTION SHALL SUPERSEDE ANY NOTES THAT WOULD CONTRADICT OR ELIMINATE IN THIS SET OF DRAWINGS... 2. THE FOLLOWING LOCAL ORDINANCES IN THIS SECTION SHALL SUPERSEDE ANY NOTES THAT WOULD CONTRADICT OR ELIMINATE IN THIS SET OF DRAWINGS... 3. THE FOLLOWING LOCAL ORDINANCES IN THIS SECTION SHALL SUPERSEDE ANY NOTES THAT WOULD CONTRADICT OR ELIMINATE IN THIS SET OF DRAWINGS... 4. THE FOLLOWING LOCAL ORDINANCES IN THIS SECTION SHALL SUPERSEDE ANY NOTES THAT WOULD CONTRADICT OR ELIMINATE IN THIS SET OF DRAWINGS... 5. THE FOLLOWING LOCAL ORDINANCES IN THIS SECTION SHALL SUPERSEDE ANY NOTES THAT WOULD CONTRADICT OR ELIMINATE IN THIS SET OF DRAWINGS...

SECTION 19 - I.E.C.C. (2021)*

- 1. PROVIDE COMPLIANCE WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, THIS PROJECT WILL BE CONSIDERED AS A RESIDENTIAL ENERGY CONSERVATION... 2. PROVIDE COMPLIANCE WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, THIS PROJECT WILL BE CONSIDERED AS A RESIDENTIAL ENERGY CONSERVATION... 3. PROVIDE COMPLIANCE WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, THIS PROJECT WILL BE CONSIDERED AS A RESIDENTIAL ENERGY CONSERVATION... 4. PROVIDE COMPLIANCE WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, THIS PROJECT WILL BE CONSIDERED AS A RESIDENTIAL ENERGY CONSERVATION... 5. PROVIDE COMPLIANCE WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, THIS PROJECT WILL BE CONSIDERED AS A RESIDENTIAL ENERGY CONSERVATION...

SECTION 20 - MECHANICAL/PLUMBING SYMBOLS

- 1. MECHANICAL/PLUMBING SYMBOLS... 2. MECHANICAL/PLUMBING SYMBOLS... 3. MECHANICAL/PLUMBING SYMBOLS... 4. MECHANICAL/PLUMBING SYMBOLS... 5. MECHANICAL/PLUMBING SYMBOLS... 6. MECHANICAL/PLUMBING SYMBOLS... 7. MECHANICAL/PLUMBING SYMBOLS... 8. MECHANICAL/PLUMBING SYMBOLS... 9. MECHANICAL/PLUMBING SYMBOLS... 10. MECHANICAL/PLUMBING SYMBOLS...

SECTION 21 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 22 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 23 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 24 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 25 - MECHANICAL/PLUMBING SYMBOLS

- 1. MECHANICAL/PLUMBING SYMBOLS... 2. MECHANICAL/PLUMBING SYMBOLS... 3. MECHANICAL/PLUMBING SYMBOLS... 4. MECHANICAL/PLUMBING SYMBOLS... 5. MECHANICAL/PLUMBING SYMBOLS... 6. MECHANICAL/PLUMBING SYMBOLS... 7. MECHANICAL/PLUMBING SYMBOLS... 8. MECHANICAL/PLUMBING SYMBOLS... 9. MECHANICAL/PLUMBING SYMBOLS... 10. MECHANICAL/PLUMBING SYMBOLS...

SECTION 26 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 27 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 28 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 29 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 30 - MECHANICAL/PLUMBING SYMBOLS

- 1. MECHANICAL/PLUMBING SYMBOLS... 2. MECHANICAL/PLUMBING SYMBOLS... 3. MECHANICAL/PLUMBING SYMBOLS... 4. MECHANICAL/PLUMBING SYMBOLS... 5. MECHANICAL/PLUMBING SYMBOLS... 6. MECHANICAL/PLUMBING SYMBOLS... 7. MECHANICAL/PLUMBING SYMBOLS... 8. MECHANICAL/PLUMBING SYMBOLS... 9. MECHANICAL/PLUMBING SYMBOLS... 10. MECHANICAL/PLUMBING SYMBOLS...

SECTION 31 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 32 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 33 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 34 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 35 - MECHANICAL/PLUMBING SYMBOLS

- 1. MECHANICAL/PLUMBING SYMBOLS... 2. MECHANICAL/PLUMBING SYMBOLS... 3. MECHANICAL/PLUMBING SYMBOLS... 4. MECHANICAL/PLUMBING SYMBOLS... 5. MECHANICAL/PLUMBING SYMBOLS... 6. MECHANICAL/PLUMBING SYMBOLS... 7. MECHANICAL/PLUMBING SYMBOLS... 8. MECHANICAL/PLUMBING SYMBOLS... 9. MECHANICAL/PLUMBING SYMBOLS... 10. MECHANICAL/PLUMBING SYMBOLS...

SECTION 36 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 37 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 38 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 39 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 40 - MECHANICAL/PLUMBING SYMBOLS

- 1. MECHANICAL/PLUMBING SYMBOLS... 2. MECHANICAL/PLUMBING SYMBOLS... 3. MECHANICAL/PLUMBING SYMBOLS... 4. MECHANICAL/PLUMBING SYMBOLS... 5. MECHANICAL/PLUMBING SYMBOLS... 6. MECHANICAL/PLUMBING SYMBOLS... 7. MECHANICAL/PLUMBING SYMBOLS... 8. MECHANICAL/PLUMBING SYMBOLS... 9. MECHANICAL/PLUMBING SYMBOLS... 10. MECHANICAL/PLUMBING SYMBOLS...

SECTION 41 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 42 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 43 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 44 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 45 - MECHANICAL/PLUMBING SYMBOLS

- 1. MECHANICAL/PLUMBING SYMBOLS... 2. MECHANICAL/PLUMBING SYMBOLS... 3. MECHANICAL/PLUMBING SYMBOLS... 4. MECHANICAL/PLUMBING SYMBOLS... 5. MECHANICAL/PLUMBING SYMBOLS... 6. MECHANICAL/PLUMBING SYMBOLS... 7. MECHANICAL/PLUMBING SYMBOLS... 8. MECHANICAL/PLUMBING SYMBOLS... 9. MECHANICAL/PLUMBING SYMBOLS... 10. MECHANICAL/PLUMBING SYMBOLS...

SECTION 46 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 47 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 48 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 49 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

SECTION 50 - MECHANICAL/PLUMBING SYMBOLS

- 1. MECHANICAL/PLUMBING SYMBOLS... 2. MECHANICAL/PLUMBING SYMBOLS... 3. MECHANICAL/PLUMBING SYMBOLS... 4. MECHANICAL/PLUMBING SYMBOLS... 5. MECHANICAL/PLUMBING SYMBOLS... 6. MECHANICAL/PLUMBING SYMBOLS... 7. MECHANICAL/PLUMBING SYMBOLS... 8. MECHANICAL/PLUMBING SYMBOLS... 9. MECHANICAL/PLUMBING SYMBOLS... 10. MECHANICAL/PLUMBING SYMBOLS...

SECTION 51 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

SECTION 52 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

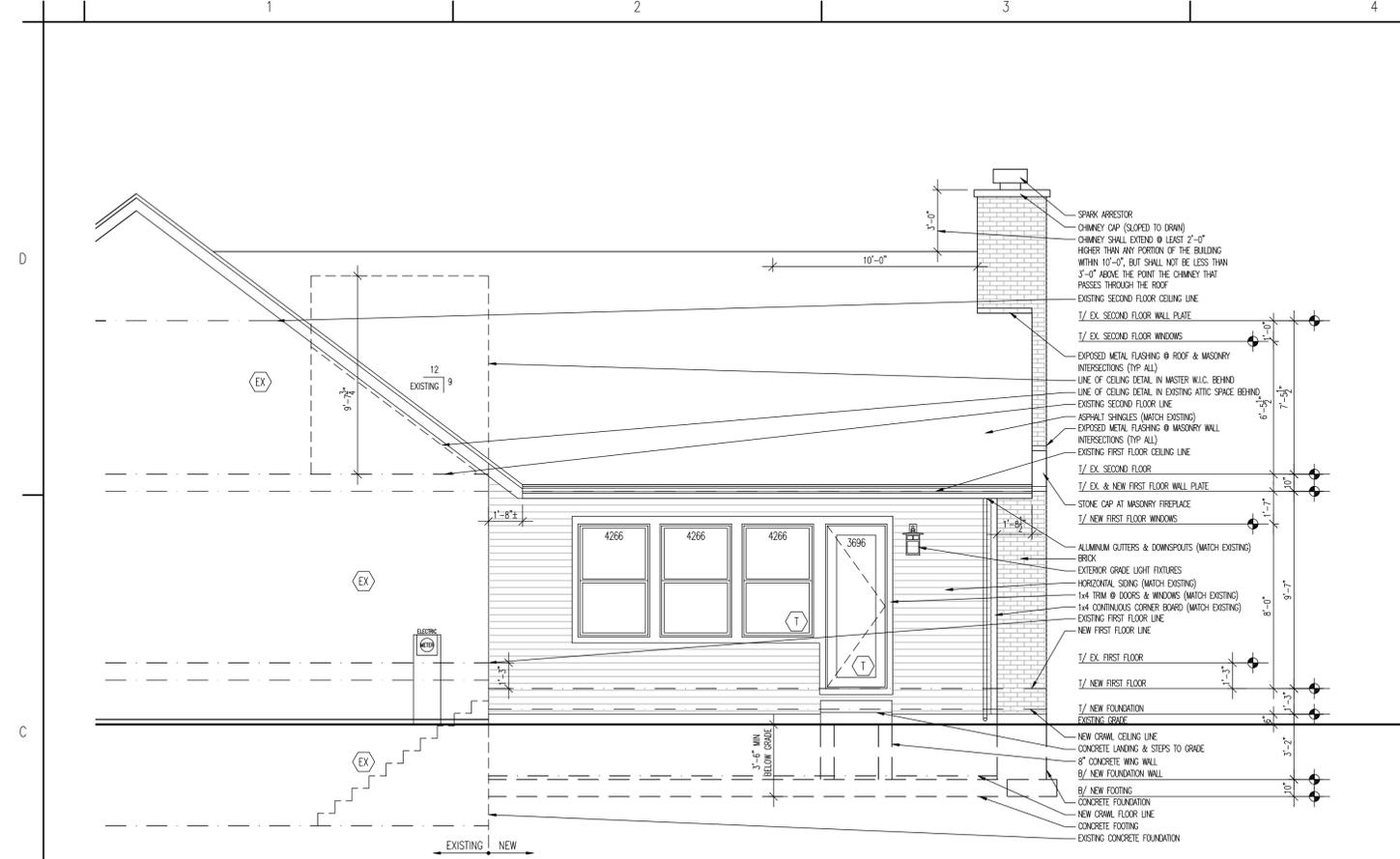
SECTION 53 - ZONING REQUIREMENTS

- 1. ZONING USE... 2. ZONING USE... 3. ZONING USE... 4. ZONING USE... 5. ZONING USE... 6. ZONING USE... 7. ZONING USE... 8. ZONING USE... 9. ZONING USE... 10. ZONING USE...

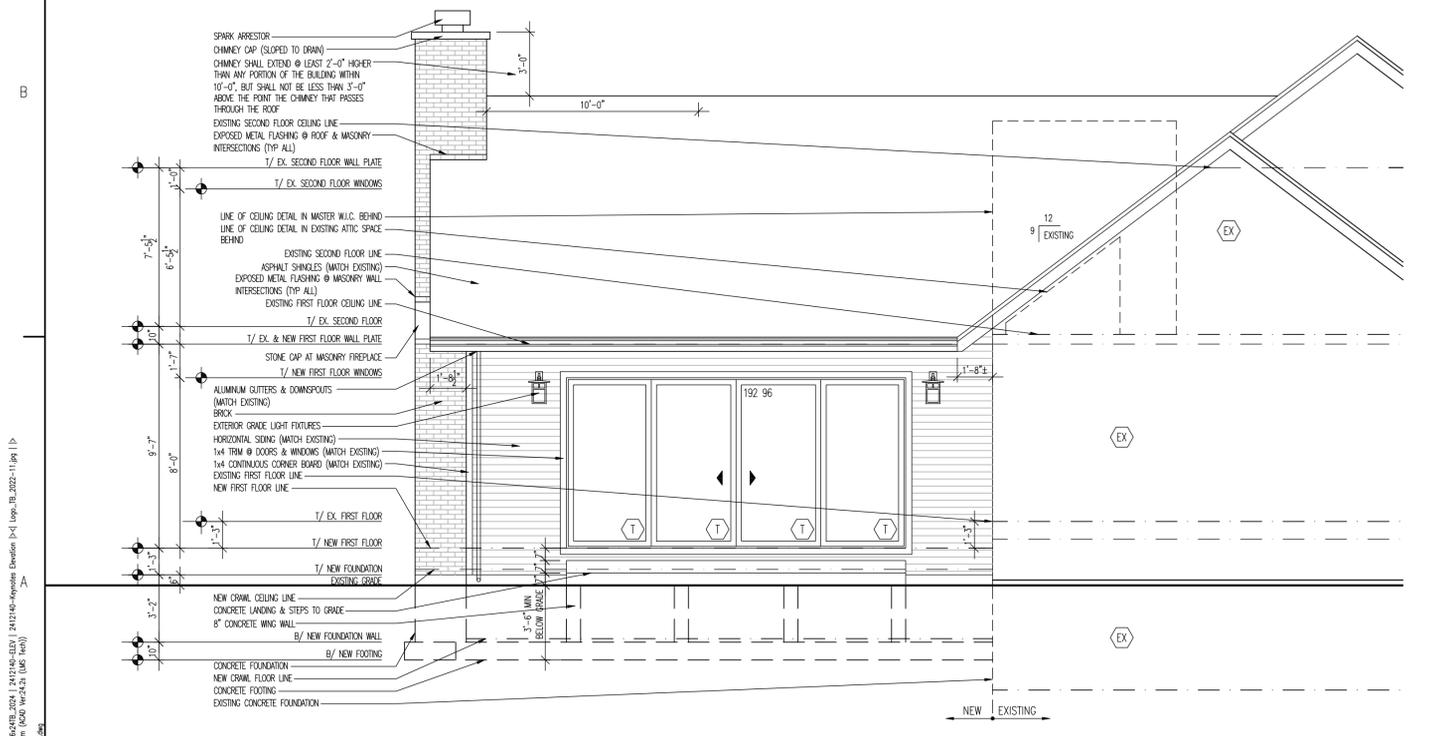
SECTION 54 - SYMBOLS

- 1. KEY NOTE - SEE ASSOCIATED NUMBERS... 2. KEY NOTE - SEE ASSOCIATED NUMBERS... 3. KEY NOTE - SEE ASSOCIATED NUMBERS... 4. KEY NOTE - SEE ASSOCIATED NUMBERS... 5. KEY NOTE - SEE ASSOCIATED NUMBERS... 6. KEY NOTE - SEE ASSOCIATED NUMBERS... 7. KEY NOTE - SEE ASSOCIATED NUMBERS... 8. KEY NOTE - SEE ASSOCIATED NUMBERS... 9. KEY NOTE - SEE ASSOCIATED NUMBERS... 10. KEY NOTE - SEE ASSOCIATED NUMBERS...

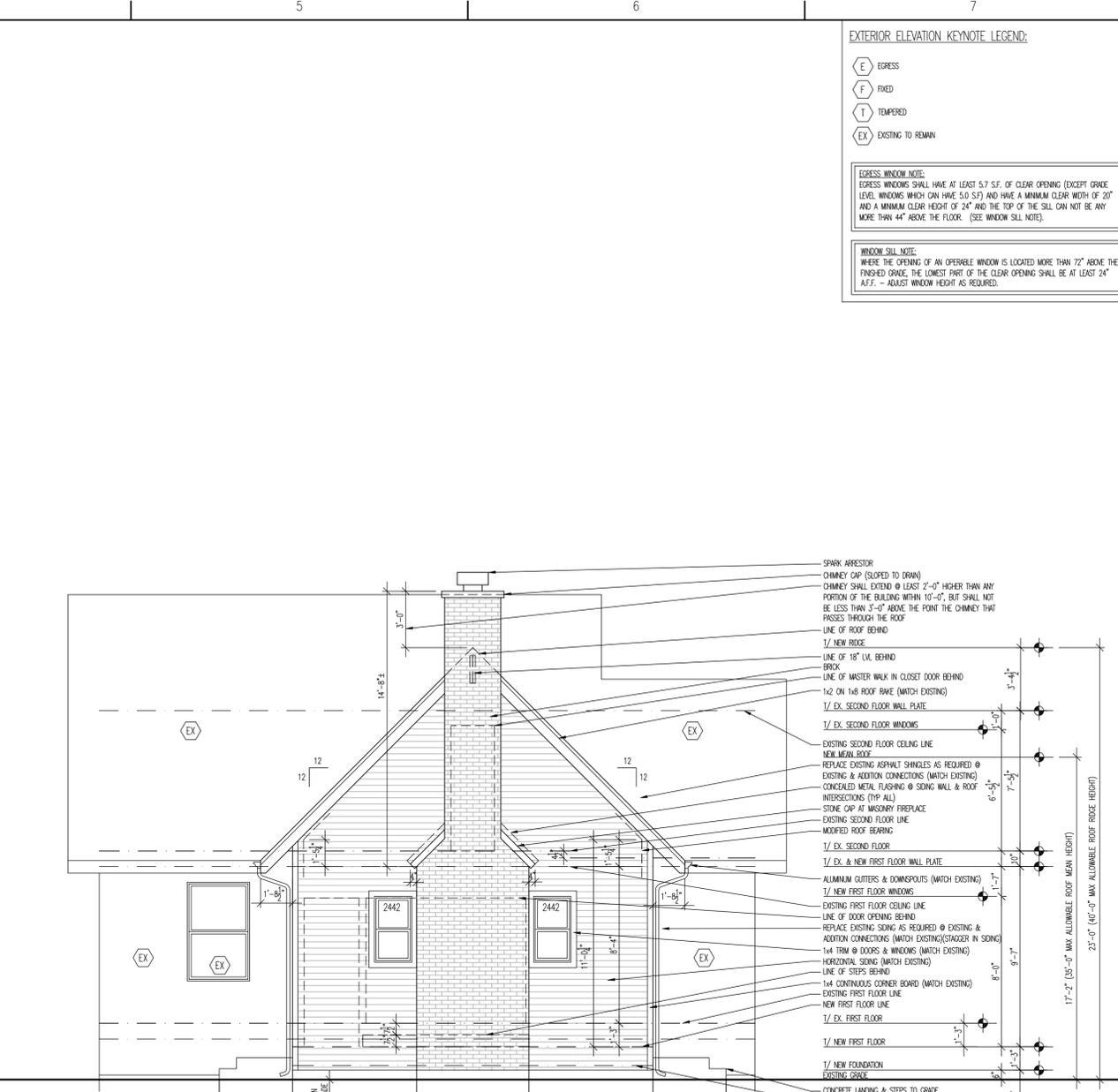
SECTION 55 - MECHANICAL/PLUMBING SYMBOLS



C1 LEFT SIDE ELEVATION
1/4" = 1'-0"



A1 RIGHT SIDE ELEVATION
1/4" = 1'-0"



A7 REAR ELEVATION
1/4" = 1'-0"

EXTERIOR ELEVATION KEYNOTE LEGEND:

- (E) EGRESS
- (F) FIXED
- (T) TEMPERED
- (EX) EXISTING TO REMAIN

EGRESS WINDOW NOTE:
EGRESS WINDOWS SHALL HAVE AT LEAST 5.7 S.F. OF CLEAR OPENING (EXCEPT GRADE LEVEL WINDOWS WHICH CAN HAVE 5.0 S.F.) AND HAVE A MINIMUM CLEAR WIDTH OF 20" AND A MINIMUM CLEAR HEIGHT OF 24" AND THE TOP OF THE SILL CAN NOT BE ANY MORE THAN 44" ABOVE THE FLOOR. (SEE WINDOW SILL NOTE).

WINDOW SILL NOTE:
WHERE THE OPENING OF AN OPERABLE WINDOW IS LOCATED MORE THAN 72" ABOVE THE FINISHED GRADE, THE LOWEST PART OF THE CLEAR OPENING SHALL BE AT LEAST 24" A.F.F. - ADJUST WINDOW HEIGHT AS REQUIRED.

2412140-A1.10.DWG

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TRANQUILITY BUILDERS, INC.

STATE OF ILLINOIS
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MICHAEL A. BURR
001-015688

04-22-2025	11-30-2026
DATE	EXPIRES
04-22-2025	04-09-2025
03-18-2025	PERMIT-80
DATE	ISSUANCE

Foster House Addition Remodel
632 N. Brainard Street Naperville, IL 60563
for
Tranquility Builders
10119 Clow Creek Rd. Plainfield, IL 60585

DRAWN BY:
EAO/HNP
CHECKED BY:
MAB

PROJECT NUMBER:
2412140

SHEET NUMBER:
A1.10
OF 5 SHEETS

- GENERAL PLAN NOTES:**
- REFER TO ALL NOTES ON SHEET A2.10 FOR ADDITIONAL INFORMATION, INCLUDING:
 - SECTION 1 FOR GENERAL REQUIREMENTS
 - SECTION 2 & 3 FOR EXCAVATION NOTES AND CONCRETE NOTES
 - SECTION 4 FOR MASONRY NOTES
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 - SECTION 14 FOR EEC NOTES
 - SECTION 15, 16 & 17 FOR ATTIC/DRAWL ACCESS, MISCELLANEOUS & FINISH NOTES
 - SECTION 18 FOR LOCAL AUTHORITY SPECIFIC NOTES.
 - SEE TYPICAL WALL SECTION(S) ON SHEET A3.10.
 - AN AUTOMATIC RESIDENTIAL SPRINKLER SYSTEM SHALL NOT BE REQUIRED FOR NEW CONSTRUCTION UNLESS BOTH THE FOLLOWING APPLY: (1) THE UNDERSIDE OF ALL INTERIOR STAIRS ARE PROTECTED WITH AT LEAST 1/2" GYPSON BOARD OR EQUAL, & (2) EACH ONE- & TWO-FAMILY DWELLING UNIT SHALL HAVE AT LEAST 2 MEANS OF EGRESS.
 - PROMOTE PASSIVE RESISTANCE SYSTEM - SEE FOUNDATION PLAN.
 - ALL VOIST/WAFTERS NOTED AS BOISE-ENGINEERED - MUST BE BOISE-CASCADE AND ALL SIZING AND SPACING IS BASED ON MANUFACTURER'S RECOMMENDATIONS WITH A DEFLECTION OF L/400 - PLEASE NOTE THAT A SERIES DESIGNATION IS ALSO PROVIDED AND THERE MUST BE NO MORE THAN ONE SERIES SPECIFIED - INSTALL PER MANUFACTURER'S RECOMMENDATIONS - IF NO SERIES IS SPECIFIED, IT IS ASSUMED TO BE 6000F SERIES-600.
 - FOR TYPICAL HEADERS, SEE DETAIL C4/A3.10.
 - FOR TYPICAL STAIRS, SEE DETAIL C1/A3.10.
 - FOR TYPICAL FRAMING, SEE DETAIL C4/A3.10.
 - FOR ADVANCE FRAMING, SEE DETAIL D4/A3.10.
 - FOR NOTCHING OR DRILLING OF WALLS & JOISTS, SEE D3/A3.10, D4/A3.10 & D5/A3.10.
 - UNDER A BEARING WALL PARALLEL WITH THE FLOOR JOISTS PROVIDE DOUBLE JOISTS OR AS NOTED ON THE DRAWINGS - SEE DETAIL C5/A3.10.
 - SEE THIS SHEET FOR ALLOWABLE SPANS FOR JOISTS/WAFTER. ALL LUMBER IS ASSUMED TO BE SPECIES SPF #2 OR BETTER, UNLESS NOTED OTHERWISE.
 - JOIST HANGERS:
 - FOR SINGLE JOISTS TIED TO SIDE OF IN CONSTRUCTION BEAM OR DO NOT HAVE AT LEAST 1/4" BEARING, USE SIMPSON STRONG-TIE JOIST HANGERS (JUS210 (18 GA) OR EQUAL, TYP., U.S.A.).
 - FOR DOUBLE JOISTS TIED TO SIDE OF IN CONSTRUCTION BEAM OR DO NOT HAVE AT LEAST 1/4" BEARING, USE SIMPSON STRONG-TIE JOIST HANGERS (JUS210 (18 GA) OR EQUAL, TYP., U.S.A.).
 - FOR TRIPLE JOISTS TIED TO SIDE OF IN CONSTRUCTION BEAM, USE SIMPSON STRONG-TIE HORIZO-3 (12 GA) OR EQUAL, TYP., U.S.A.
 - BEAM END NOTE (E AND) 1" DIA CHAIRS BOLT (W/NTU, LOCK WASHER, WASHER) @ 16" O.C. x BEAM WIDTH + 2" STAGGERED TOP & BOTTOM W/BOLT @ TOP & BOTTOM @ EACH BEARING END (HOLD IN 2" @ EACH EDGE).
 - ADJUST JOIST SPACING AS REQUIRED FOR PLUMBING FIXTURES ABOVE.
 - WALL BRACING METHOD NOTES:
 - CONTINUOUS SHEATHING METHOD (CS-WSP) PER 2021 IRC.
 - BWP IS ABBREVIATION FOR BRACED WALL LINE.
 - BWP IS ABBREVIATION FOR BRACED WALL PANEL.
 - BRACED WALL PANEL (BWP) SHALL BE WITHIN 10' OF EACH END BRACED WALL LINE AND DISTANCE BETWEEN ADJACENT EDGES ALONG A BRACED WALL LINE SHALL BE NO GREATER THAN 20' BWP DIMENSION SHOWN WITH LENGTH OF BWP IN THAT LOCATION.
 - CS-WSP IS WOOD STRUCTURAL PANELS SHALL BE 5/8" MINIMUM WOOD STRUCTURAL PANELS Nailed to 16" O.C. WOOD STUDS WITH 8D COMMON NAILS AT 6" O.C. AT EDGE AND 12" O.C. AT THE FIELD AREA.
 - CS-WSP OF INTERIOR GYPSUM BOARD SHALL BE 5/8" MINIMUM GYPSUM BOARD PANELS SCREWED TO 16" O.C. WOOD STUDS WITH 13 GAUGE, 16" LONG, 1/4" HEAD, 0.098" DIAMETER DRUM NAILS SPACING AT 7" O.C. AT EDGES AND AT FIELD AREAS.
 - LB IS LET IN BRACING WHICH CAN BE 1x4 (LET INTO WOOD STUDS) OR APPROVED METAL BRACING STRIPS @ 45° TO 67° ANGLES (MAY EXTEND ABOVE DOOR).

DESIGN CRITERIA NOTES:

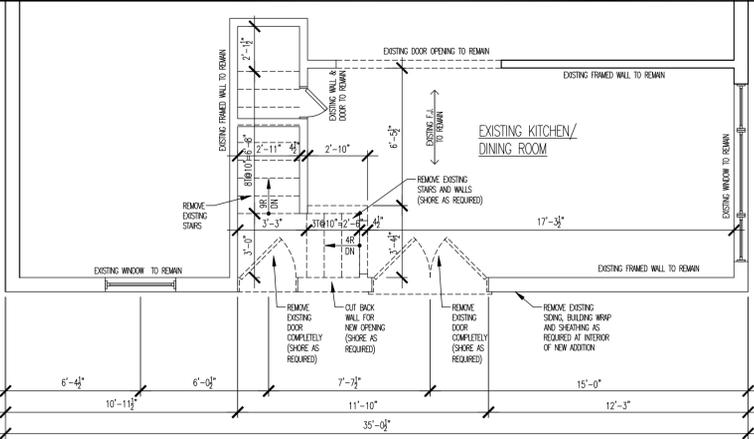
- DESIGN LOADS - MINIMUM UNIFORMED DISTRIBUTED LIVE LOADS (RC TABLE R301.5)

AREA	LIVE LOAD (PSF)	DEAD LOAD (PSF)
FIRST FLOOR	40	10
SECOND FLOOR	40	10
SLEEPING AREAS	30	10
STAIRS	10	10
UNINHABITABLE ATTICS W/O STORAGE	20	10
HABITABLE ATTICS/W/LIMITED STORAGE	30	10
EXTERIOR BALCONIES & DECKS	40	10
FIRE ESCAPES	40	10
CORRIDORS & HALLWAYS	200	200
GUARD RAIL COMPONENTS	50	50
PASSENGER VEHICLE GARAGES	50	50
- ALLOWABLE DEFLECTIONS (RC TABLE R301.7)

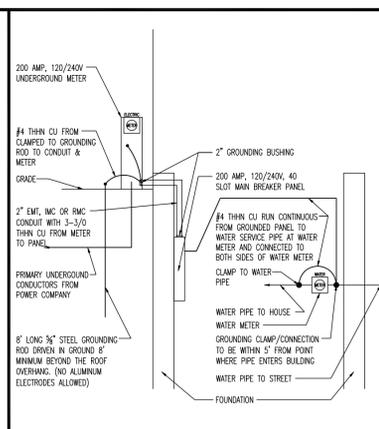
AREA	ALLOWABLE DEFLECTION
FLOOR JOISTS	L/240
CEILING JOISTS	L/240
ROOF RAFTERS (NO CEILING ATTACHED)	L/180
LINTELS SUPPORTING MASONRY	L/800
- LUMBER DESIGN SPECIFICATIONS

SIZE	SPECIES	GRADE	F _b	E x 10 ⁶
2x4	ALL	SPF #2 OR BETTER	875	1.1
2x6	ALL	SPF #2 OR BETTER	875	1.1
2x8	ALL	SPF #2 OR BETTER	875	1.1
2x10	<C2>	SPF #2 OR BETTER	875	1.1
2x12	20' TO 32'	DOUG-FIR/HEM-FIR	875	1.3
2x10	<C2>	SPF #2 OR BETTER	875	1.1
2x12	20' TO 32'	DOUG-FIR/HEM-FIR	875	1.3
LVL BEAMS	ALL	BOISE-CASCADE OR EQUAL	3,100	2.0
LVL POSTS	ALL	BOISE-CASCADE OR EQUAL	2,750	1.8

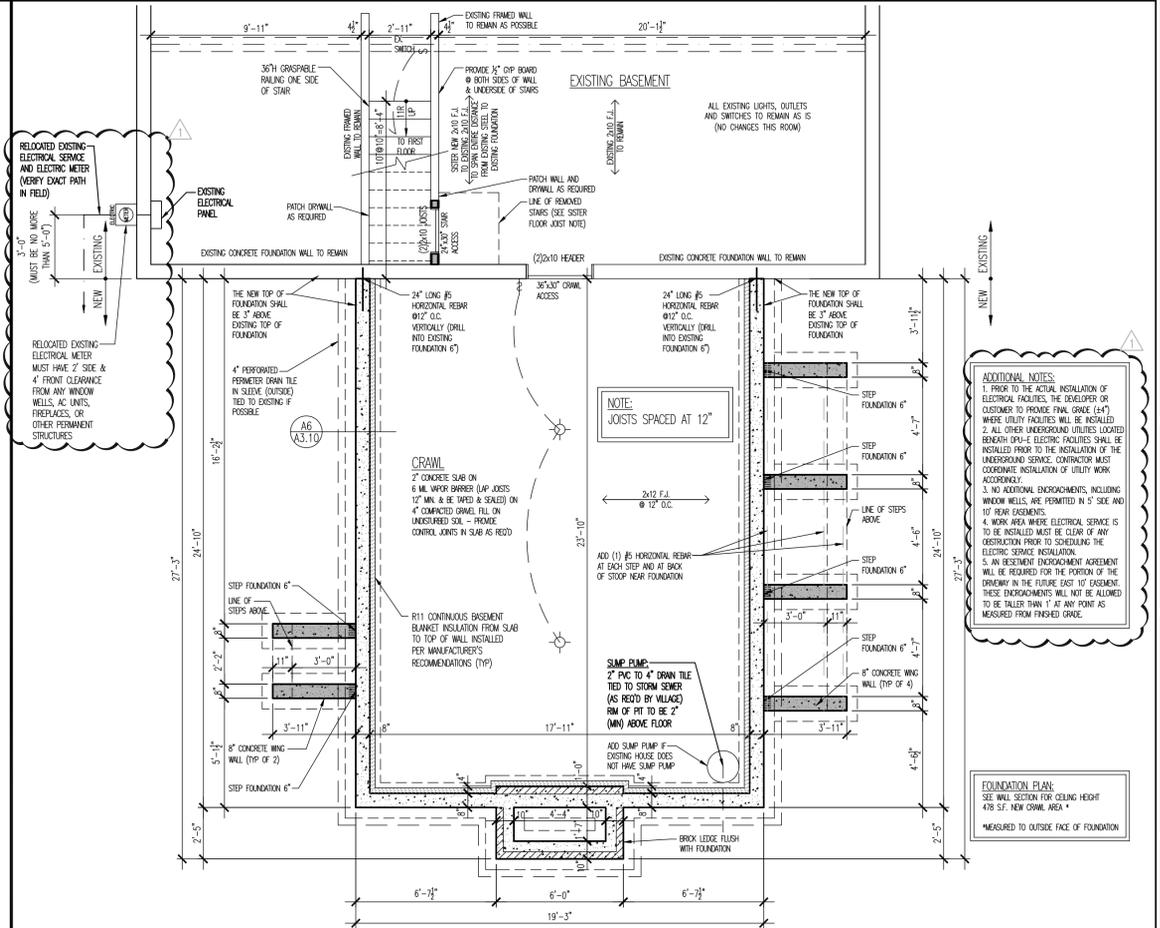
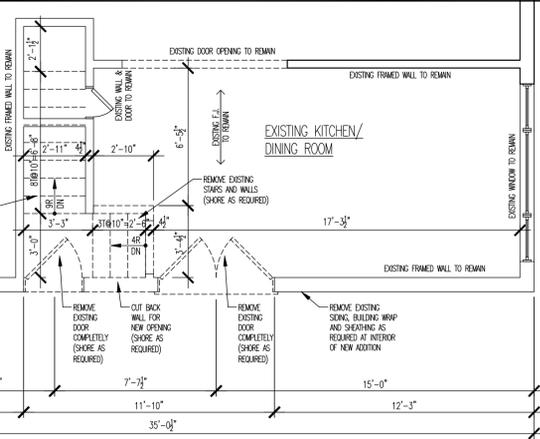
C2 FOUNDATION DEMO PLAN
1/4" = 1'-0"



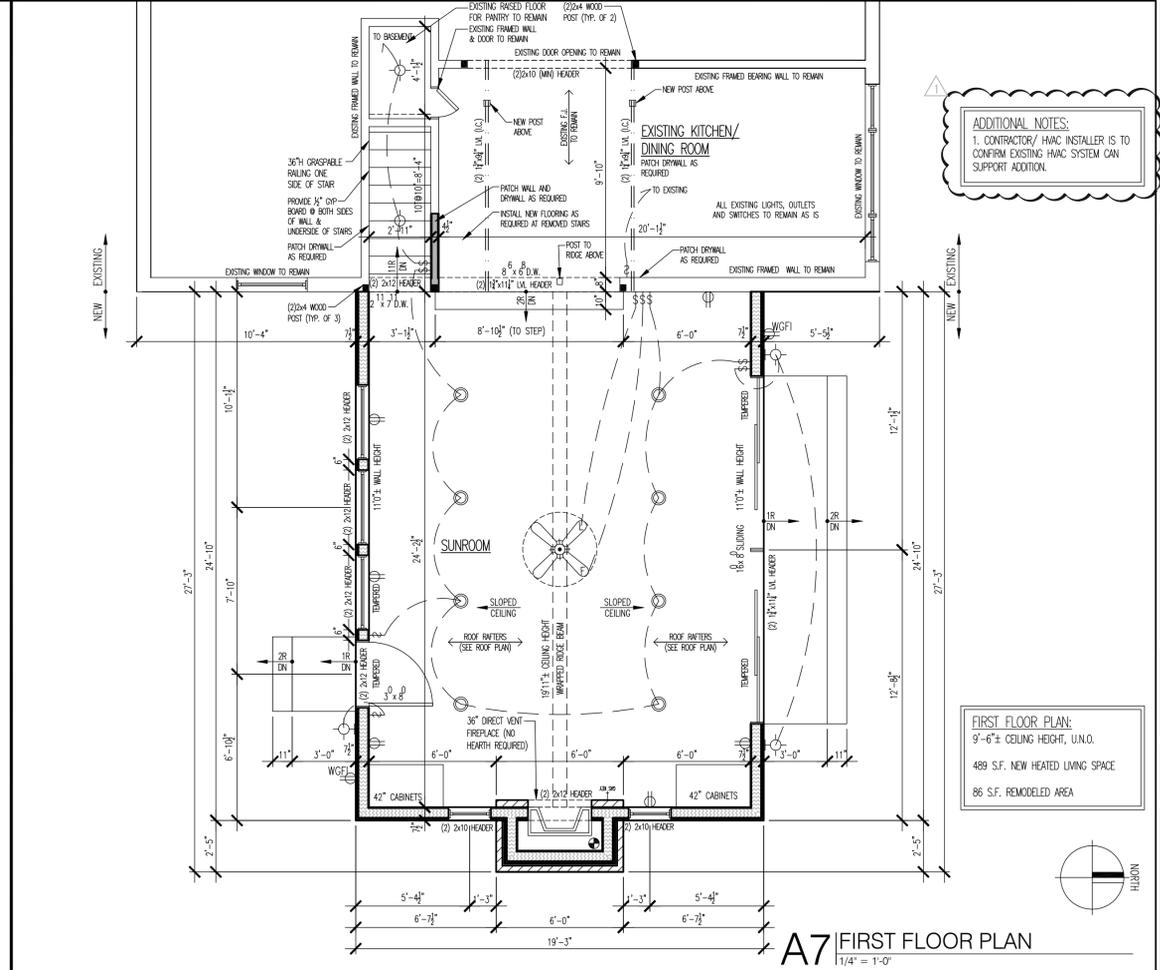
A2 ELECTRIC GROUNDING
NO SCALE



A3 FIRST FLOOR DEMO PLAN
1/4" = 1'-0"



C7 FOUNDATION PLAN
1/4" = 1'-0"



A7 FIRST FLOOR PLAN
1/4" = 1'-0"

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DATED | EXPIRES

04-22-2025 | 03-18-2025 | PERMIT-810
ISSUANCE DATE

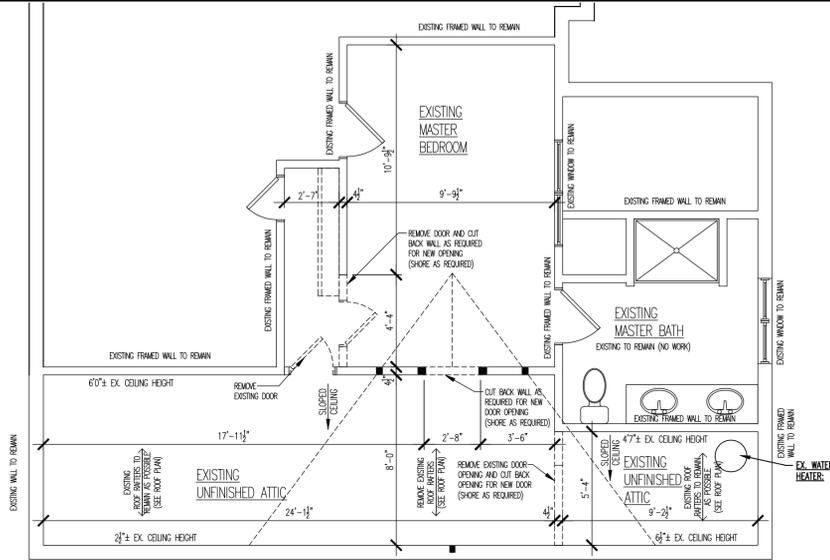
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for
Tranquility Builders
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FOUNDATION & FIRST FLOOR PLANS

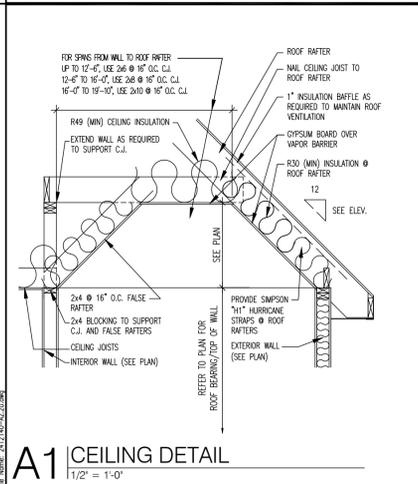
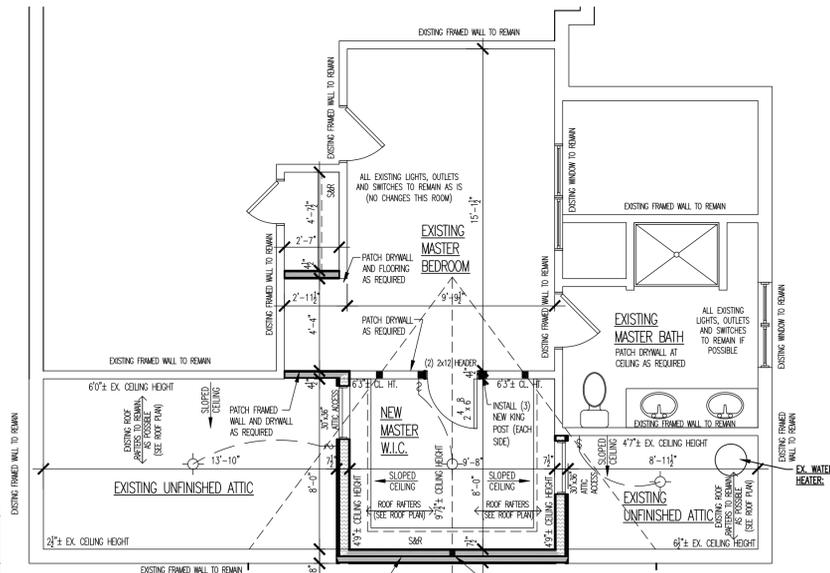
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CHECKED BY:
MAB
PROJECT NUMBER:
2412140
SHEET NUMBER:
A2.10
OF 5 SHEETS

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 - SEE GENERAL PLAN NOTES ON FIRST FLOOR SHEET FOR ADDITIONAL INFORMATION.

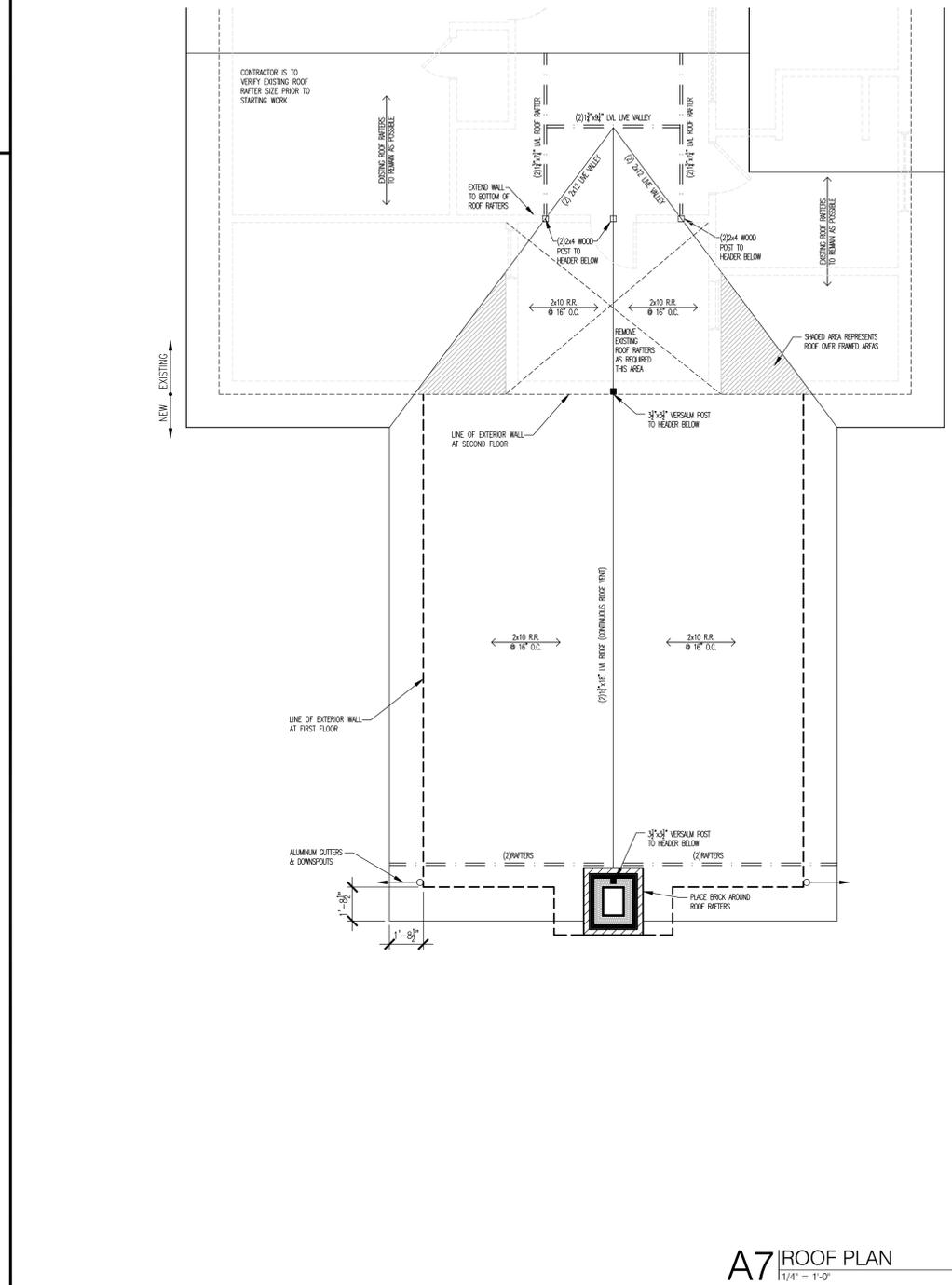


C2 SECOND FLOOR DEMO PLAN
1/4" = 1'-0"



A2 SECOND FLOOR PLAN
1/4" = 1'-0"

- GENERAL ROOF PLAN NOTES:**
- REFER TO ALL NOTES ON SHEET A2.10 FOR ADDITIONAL INFORMATION.
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 - SECTION 15, 16 & 17 FOR ATTIC/FLOOR ACCESS, MISCELLANEOUS & FINISH NOTES
 - SECTION 18 FOR LOCAL AUTHORITY SPECIFIC NOTES
 - ICE & WATER SHIELD NOTE: PROVIDE ICE & WATER SHIELD AT EAVES ALL TO POINT THAT IS 2'4" FROM INSIDE OF HEATED WALL LINE. AT ALL VALLEYS RUN 18" EACH WAY AND AT ALL LOW SLOPED ROOFS (LESS THAN 4:12) AND AT ALL WALL ROOF INTERSECTIONS UNDER FLASHING (RUN 18" EACH WAY)
 - ATTIC VENTILATION NOTE: INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR FROM THE EAVE INTO THE ATTIC. FOR AIR IMPERMEABLE INSULATIONS IN VENTED ATTICS, A BATTLE MUST BE INSTALLED BETWEEN EACH RAFTER ALONG THE SIDE AND OVER THE INSULATION
 - FRAMING NOTE: ROOF CONTAINS DIFFERENT SIZE RAFTERS, CONTRACTOR CAN ADJUST BEARING HEIGHT BY ADDED WOOD PLATES OR INCREASING RAFTER HEEL CUT OR COMBINATION OF BOTH TO KEEP EAVE FACE IN LINE. CONTRACTOR HAS OPTION TO UPSIDE ALL RAFTERS TO THE SAME SIZE
 - FLASHING NOTE: PURLIN SHALL MATCH ROOF RAFTER SIZE IF SUPPORTS & SHALL BE CONTINUOUS AND SUPPORTED BY 2x4x8x4" OC BRACES ANGLED DOWN NO LESS THAN 45° FROM HORIZONTAL TO BEARING WALLS. PROVIDE 2x6 HORIZONTAL BRACING ON 2x4x8x4" OC MAX. SEE PURLIN DETAIL THIS SHEET.
 - SIMPSON 1/2" S HURRICANE TIE-DOWNS AT 48" O.C. MIN TO BE PROVIDED PER IRC. 1/2" S CLIPS TO BE PROVIDED AT ALL EXTERIOR RAFTERS, TRAY CEILING RAFTERS, BARREL VULT RAFTERS, AS WELL AS ANY RAFTERS ATTACHED WITH LOOKOUTS.
 - PROVIDE FLASHING AT ALL WALL AND ROOF INTERSECTIONS WHEREVER THERE IS A CHANGE IN ROOF SLOPE OR DIRECTION AND AROUND ROOF OPENINGS.
 - ROOF VENTS TO BE LOCATED ON BACK SLOPE OF ROOF. NUMBER AND LOCATIONS SHALL BE BASED ON 1/300 TOTAL AREA OF VENTS PER IRC.



A7 ROOF PLAN
1/4" = 1'-0"

ROOF VENTILATION CALCULATIONS

ROOF AREA DESCRIPTION:	NEW ROOF	
TOTAL AREA OF ROOF:	734 SF	
TOTAL REQUIRED FREE AREA @ 1:300 (= AREA/300):	2.45 SF	
RISE - FREE AREA REQUIRED (REQ'D FREE AREA/2):	1.23 SF	
RISE - ACTUAL FREE AREA (SEE CALCS BELOW):	3.15 SF	
CONT. ROSE VENT (L.F. OF ROSE):	38.32 LF	
CONT. ROSE VENT FREE AREA (LF x 12.5 Sq.in./LF)/144:	3.15 SF	
ROOF VENT (NUMBER @ RIDGE):	0	
ROOF VENT FREE AREA (LF x 50 Sq.in./EA)/144:	0 SF	
LARGE ROOF VENT (NUMBER @ RIDGE):	0	
LARGE ROOF VENT FREE AREA (LF x 144 Sq.in./LF)/144:	0 SF	
EAVE - FREE AREA REQUIRED (REQ'D FREE AREA/2):	1.23 SF	
EAVE - ACTUAL FREE AREA (SEE CALCS BELOW):	3.10 SF	
PERFORATED PANEL (L.F. OF EAVE):	49.67 LF	
PERFORATED PANEL FREE AREA (LF x 9 Sq.in./LF)/144:	3.10 SF	
CONTINUOUS VENT (L.F. OF EAVE):	0.0 LF	
CONTINUOUS VENT FREE AREA (LF x 9.0 Sq.in./LF)/144:	0.0 SF	
DOES VENTILATION MEET OR EXCEED MIN REQTS:	YES	

PERFORATED PANELS @ EAVE ASSUMES: 9 SQ. IN. / L.F.
CONT. ROSE VENT @ RIDGE ASSUMES 12.5 SQ. IN. / L.F.
ROOF VENT @ RIDGE ASSUMES 50 SQ. IN. / EACH
LARGE ROOF VENT @ RIDGE ASSUMES 144 SQ. IN. / EACH

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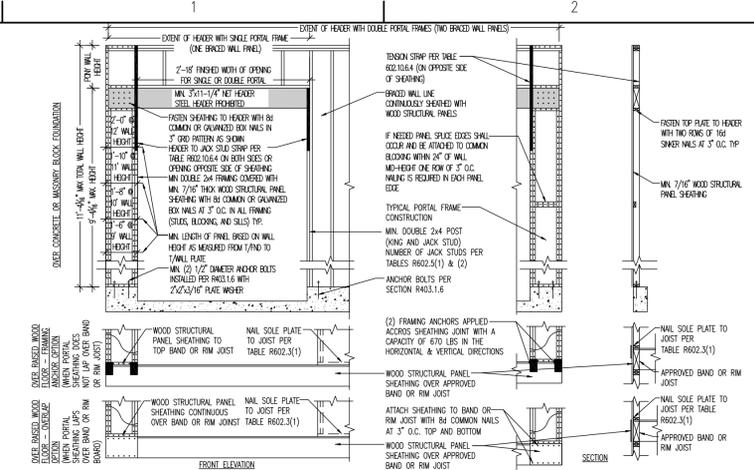
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SECOND FLOOR & ROOF PLANS

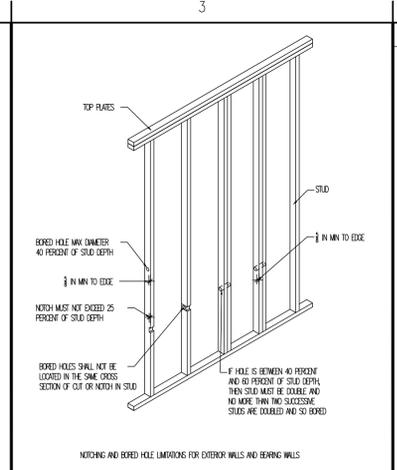
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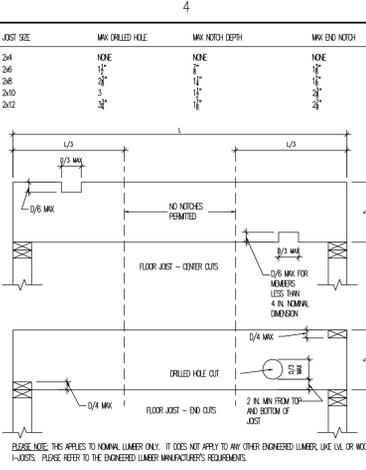
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A2.20



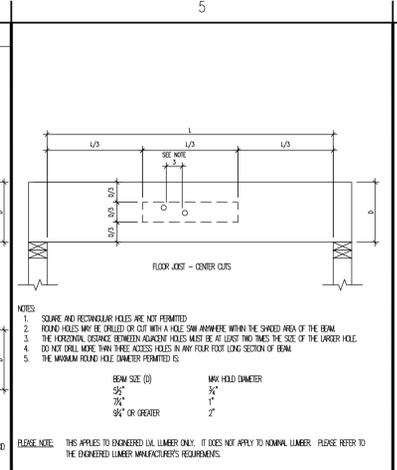
D1 PORTAL FRONT OPENING DETAIL
NO SCALE (48)



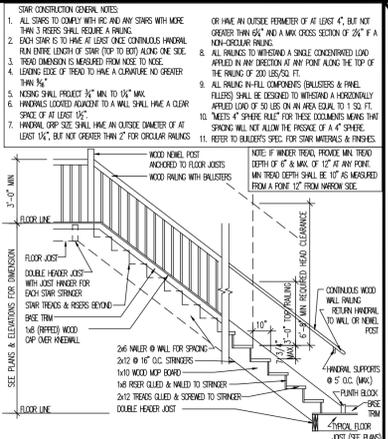
D3 WALL NOTCHING DETAIL
NO SCALE (16)



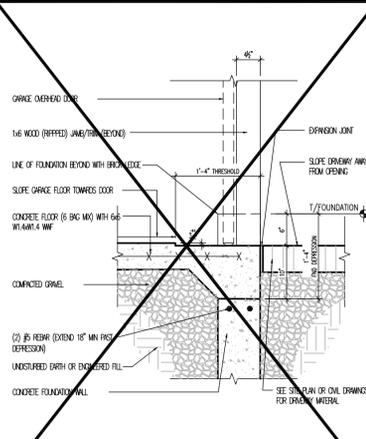
D4 JOIST NOTCHING DETAIL
NO SCALE (16)



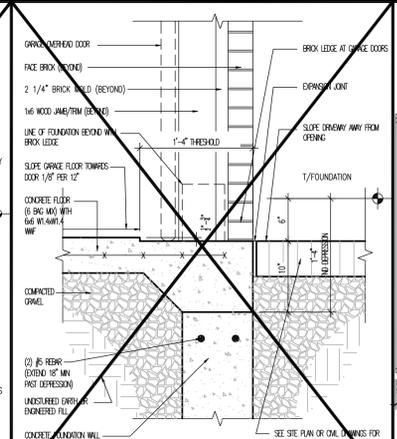
D5 LVL NOTCHING DETAIL
NO SCALE (16)



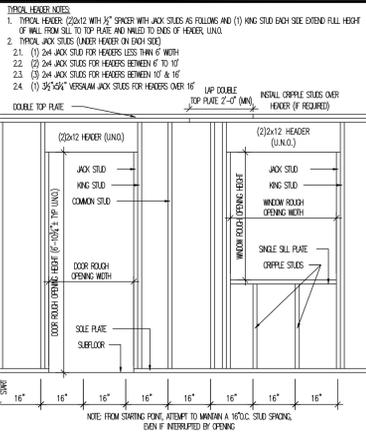
C1 STAIR DETAIL
NO SCALE (48)



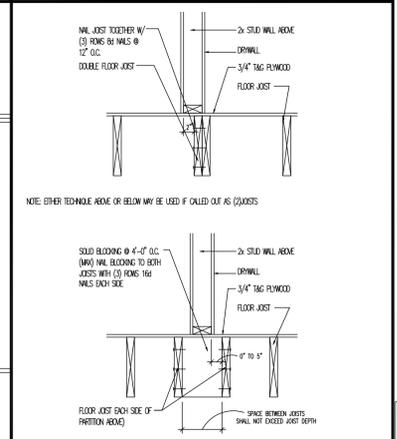
C2 GARAGE APRON DETAIL
3/4" = 1'-0"



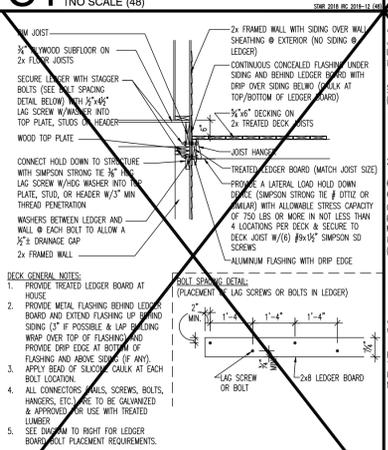
C3 GARAGE APRON DETAIL
1" = 1'-0"



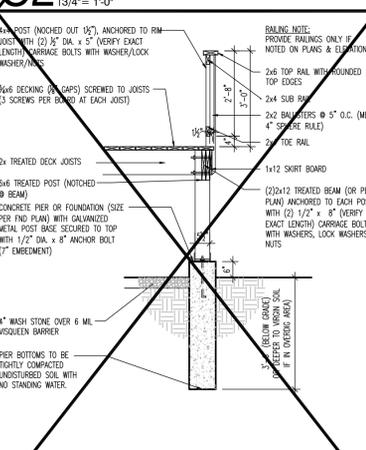
C4 FRAMING DETAIL
NO SCALE (32)



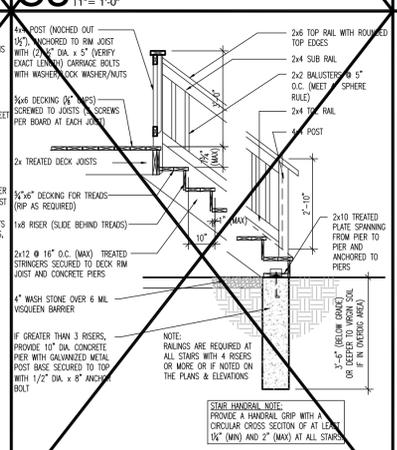
C5 DOUBLE JOIST DETAIL
3/4" = 1'-0"



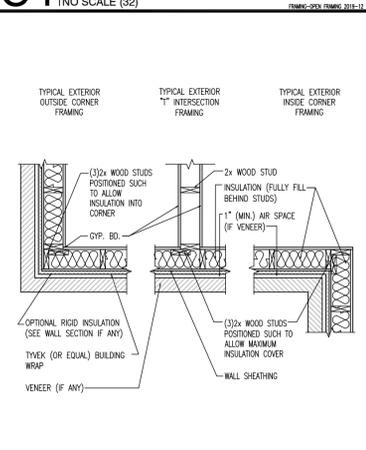
B1 DECK LEDGER DETAIL
3/8" = 1'-0"



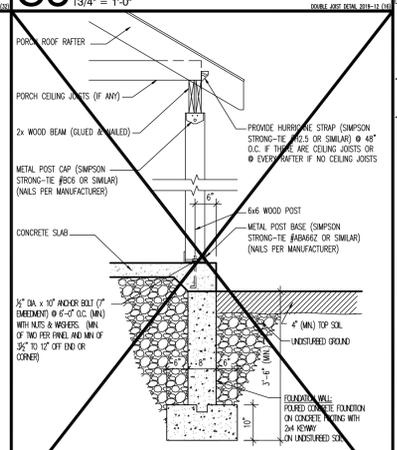
B2 DECK BEAM DETAIL
3/8" = 1'-0"



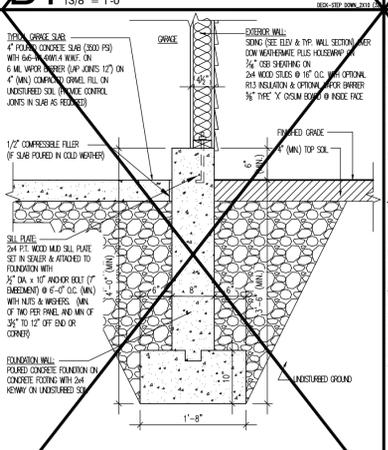
B3 DECK STAIR DETAIL
3/8" = 1'-0"



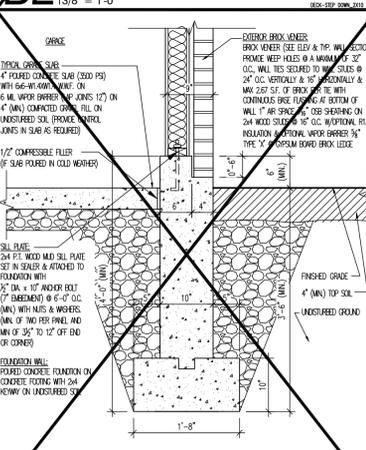
B4 ADVANCED FRAMING
NO SCALE (24)



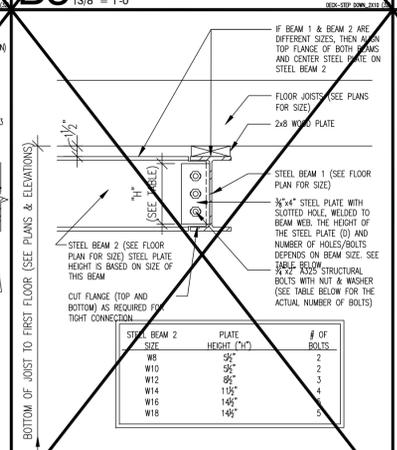
B5 PORCH SECTION
1/2" = 1'-0"



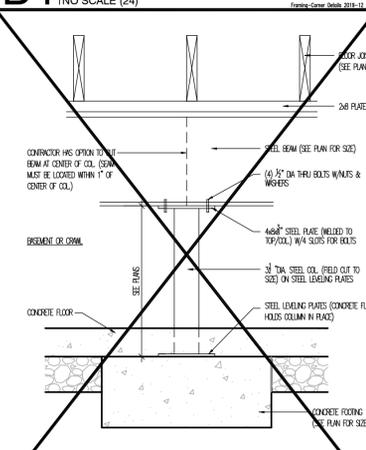
A1 GARAGE WALL SECTION
3/4" = 1'-0"



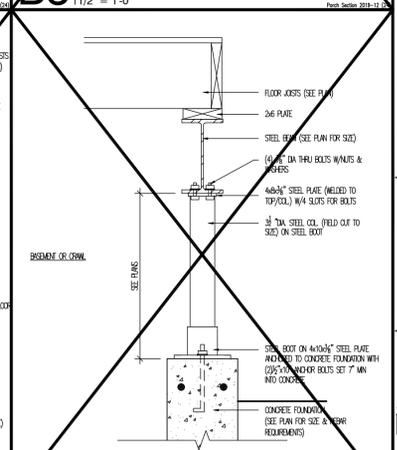
A2 GARAGE WALL SECTION
3/4" = 1'-0"



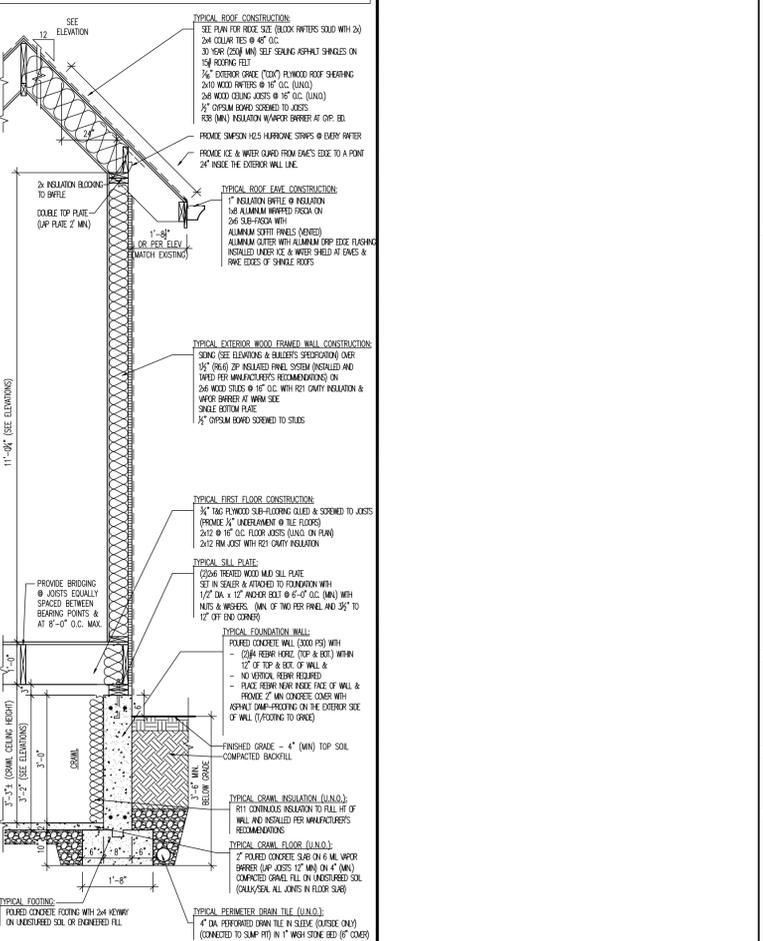
A3 STEEL DETAIL
NO SCALE (12)



A4 STEEL COLUMN @ FOOTING
NO SCALE (12)



A5 STEEL COLUMN @ FND
NO SCALE (12)



A6 WALL SECTION - SIDING 1/2" = 1'-0"
A7 WALL SECTION - MASONRY 1/2" = 1'-0"

- SNIP CONCRETE OVER NOTES**
- ALL SNIPS TO COMPLY WITH IRC AND ANY SNIPS WITH MORE THAN 3 REINFORCING BARS SHALL REQUIRE A PLAN.
 - SNIP SHALL BE TO THE FACE OF THE SNIP. CONTIGUOUS HORIZONTAL REINFORCING LENGTH OF SNIP (TOP TO BOTTOM) SHALL BE AT LEAST 12" LONGER THAN THE SNIP.
 - LEAVING SIZE OF REINFORCING TO BE A MINIMUM OF 3" FROM THE SNIP.
 - SNIP SHALL BE REINFORCED WITH 3" MIN. DIA. REINFORCING BARS (BARS & HOOKS) APPLIED TO ALL SNIPS. ALL SNIPS SHALL BE REINFORCED WITH 3" MIN. DIA. REINFORCING BARS (BARS & HOOKS) APPLIED TO ALL SNIPS.
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- TYPICAL HEADER NOTES**
- TYPICAL HEADER (2"x4" WITH 3" SPACER WITH JOIST STUDS AS FOLLOWS AND (1) KING STUD EACH SIDE EXTEND FULL HEIGHT OF WALL FROM SILL TO TOP PLATE AND WELDED TO BASIS OF HEADER UNLESS NOTED OTHERWISE.
 - TYPICAL JOIST STUDS (UNDER HEADER ON EACH SIDE)
 - 2"x4" JOIST STUD FOR HEADERS LESS THAN 6" WIDE
 - 2"x4" JOIST STUDS FOR HEADERS BETWEEN 6" TO 12"
 - 2"x4" JOIST STUDS FOR HEADERS BETWEEN 12" TO 16"
 - 2"x4" JOIST STUDS FOR HEADERS BETWEEN 16" TO 24"

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04-22-2025 | 11-30-2026
DATED | EXPIRES

04-22-2025 | 03-18-2025 | 04-09-2025
DATE | PERMIT COMMENTS ON | PERMIT-810 | ISSUANCE

Foster House Addition Remodel
632 N. Brainard Street Naperville, IL 60563
for
Tranquility Builders
10119 Clow Creek Rd. Plainfield, IL 60585

WALL SECTION - DETAILS

DRAWN BY: EAO/HNP
CHECKED BY: MAB
PROJECT NUMBER: 2412140
SHEET NUMBER: A3.10
OF 5 SHEETS
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