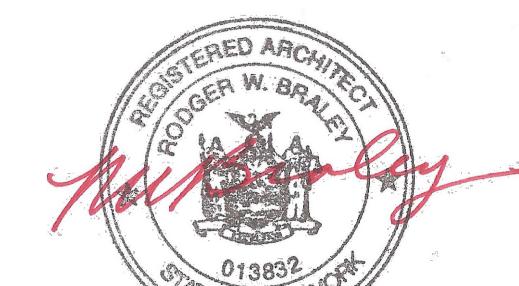


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- A-105 NORTH SOUTH WEST EAST SIDES ELEVATION
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- PL-01 PLUMBING RISER DIAGRAM AND REQUIREMENTS
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- PLOT PLOT PLAN

DRAWN BY:	Shlome Glauber
DATE:	7/15/2024
DATE:	8/2/2024
DATE:	8/28/2024
DATE:	1/13/2025
DATE:	12/4/2025

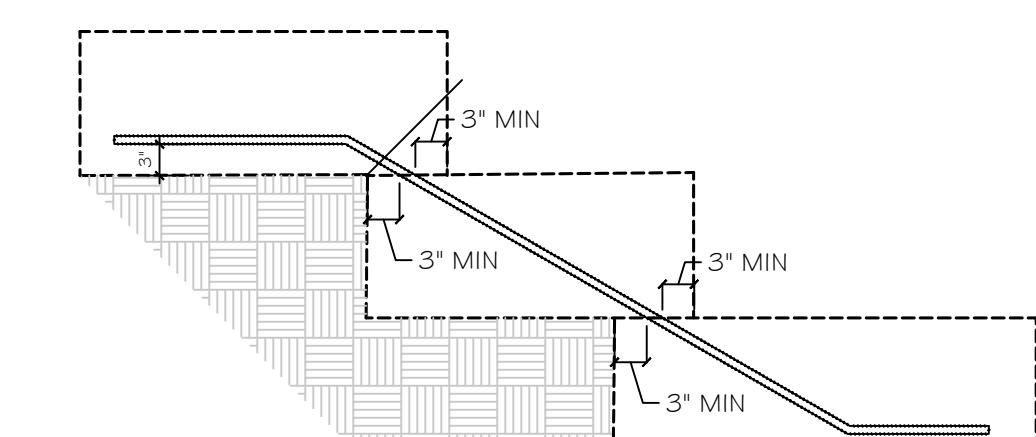
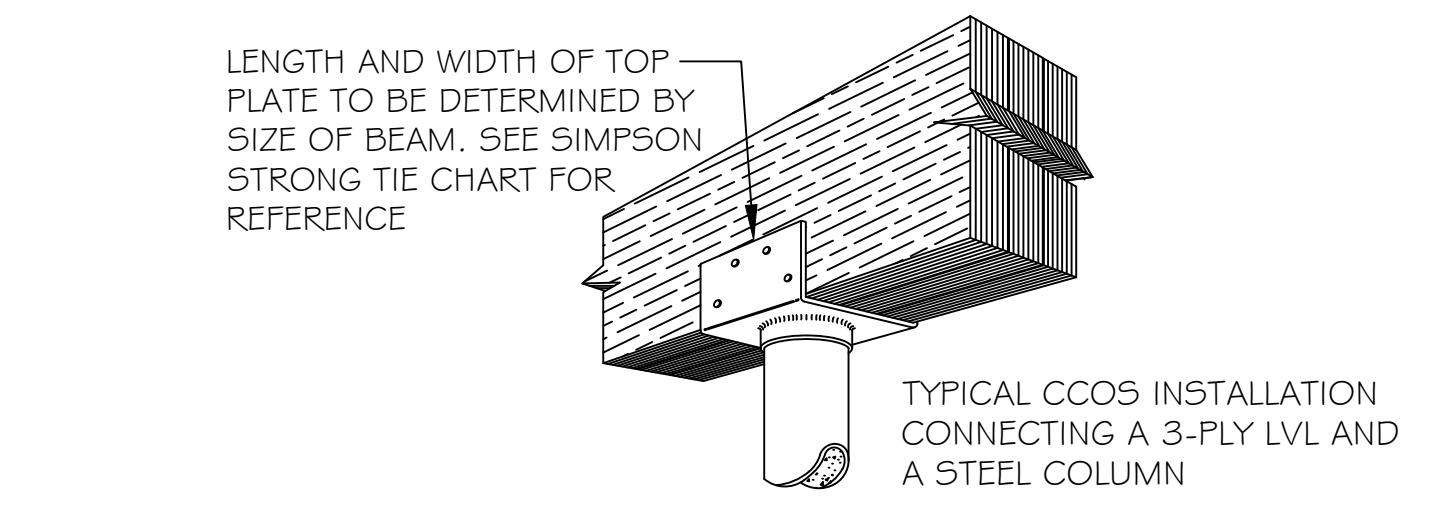
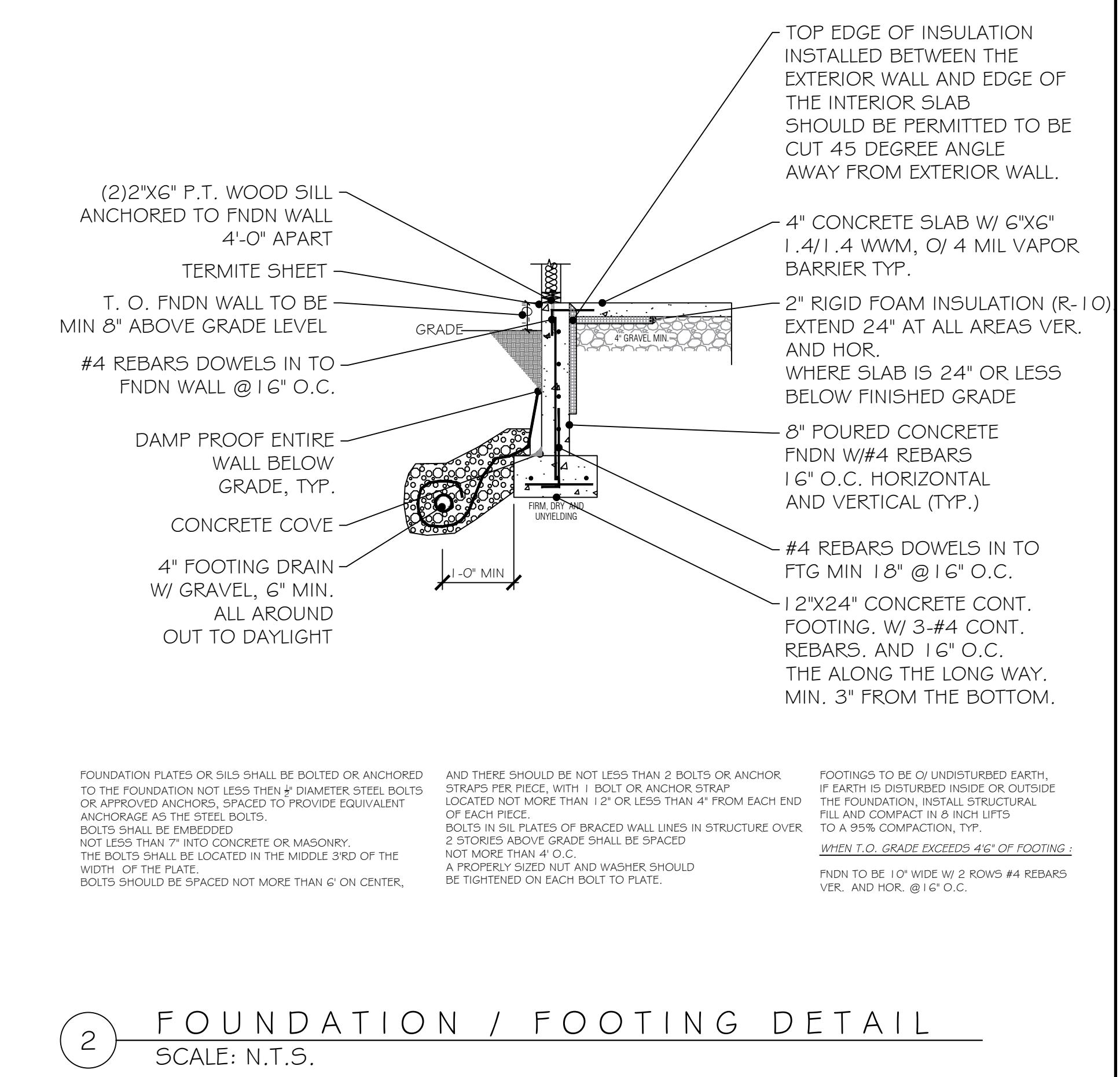
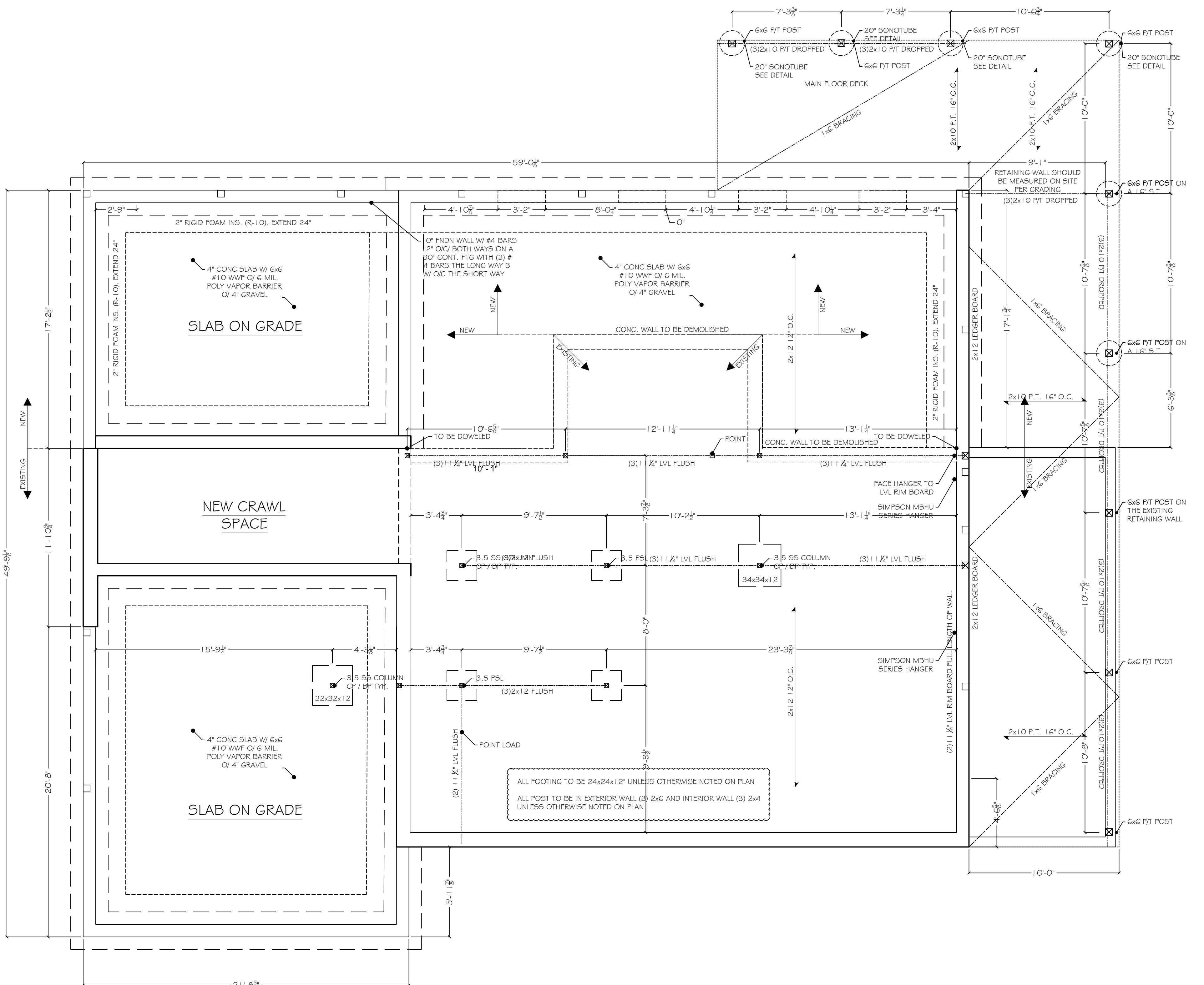
RODGER BRALEY,
ARCHITECTS
NYS LIC. NO. 013-832
50 PLATTS HILL ROAD
NEWTOWN, CT 06470
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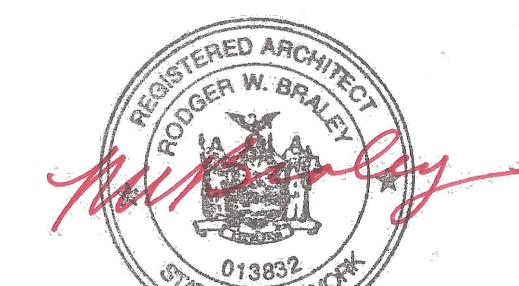
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PROJECT:
 17 Sterling Forest Ln.
 Montebello
 Rockland County, New York

Proposed New Addition For:

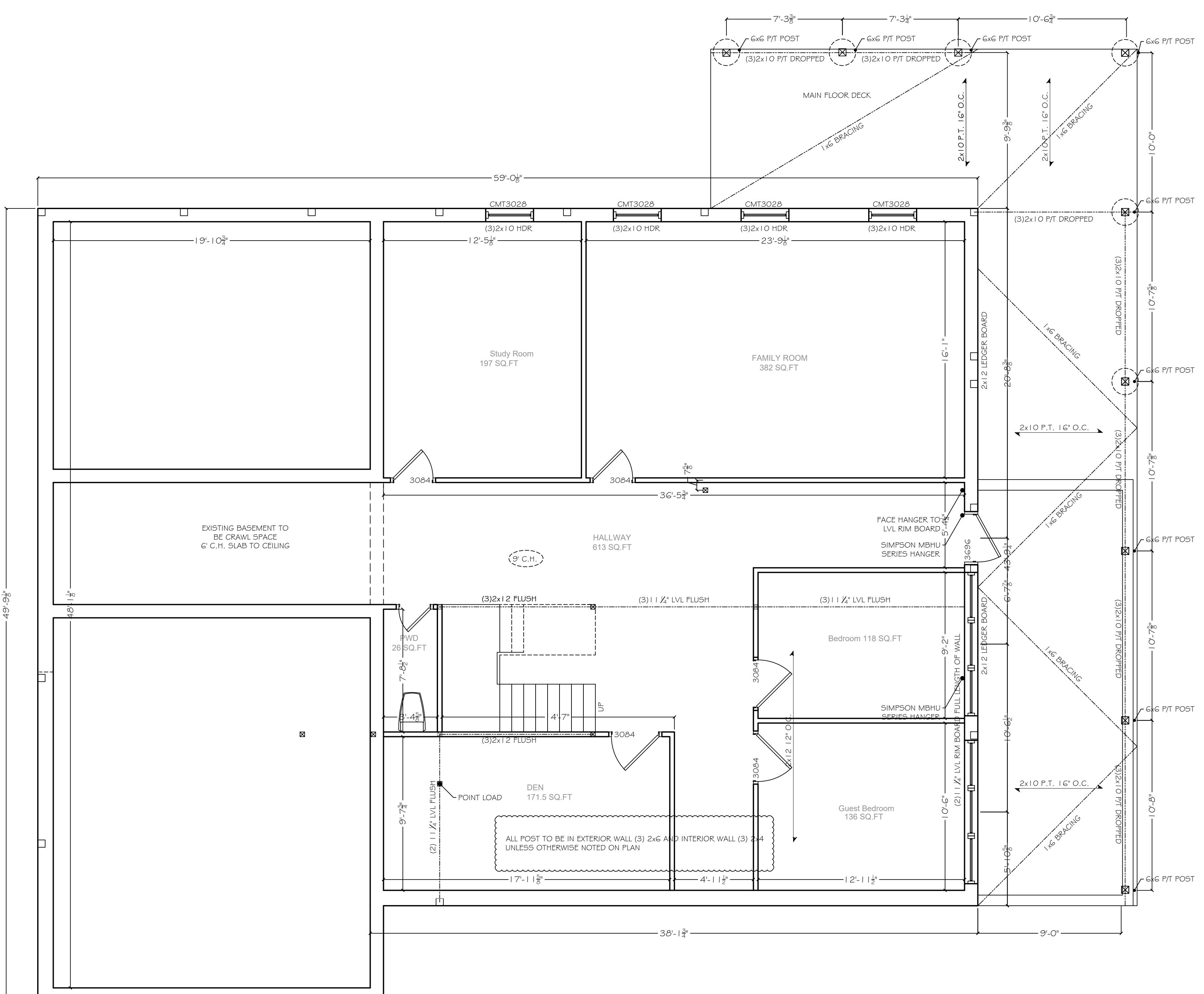


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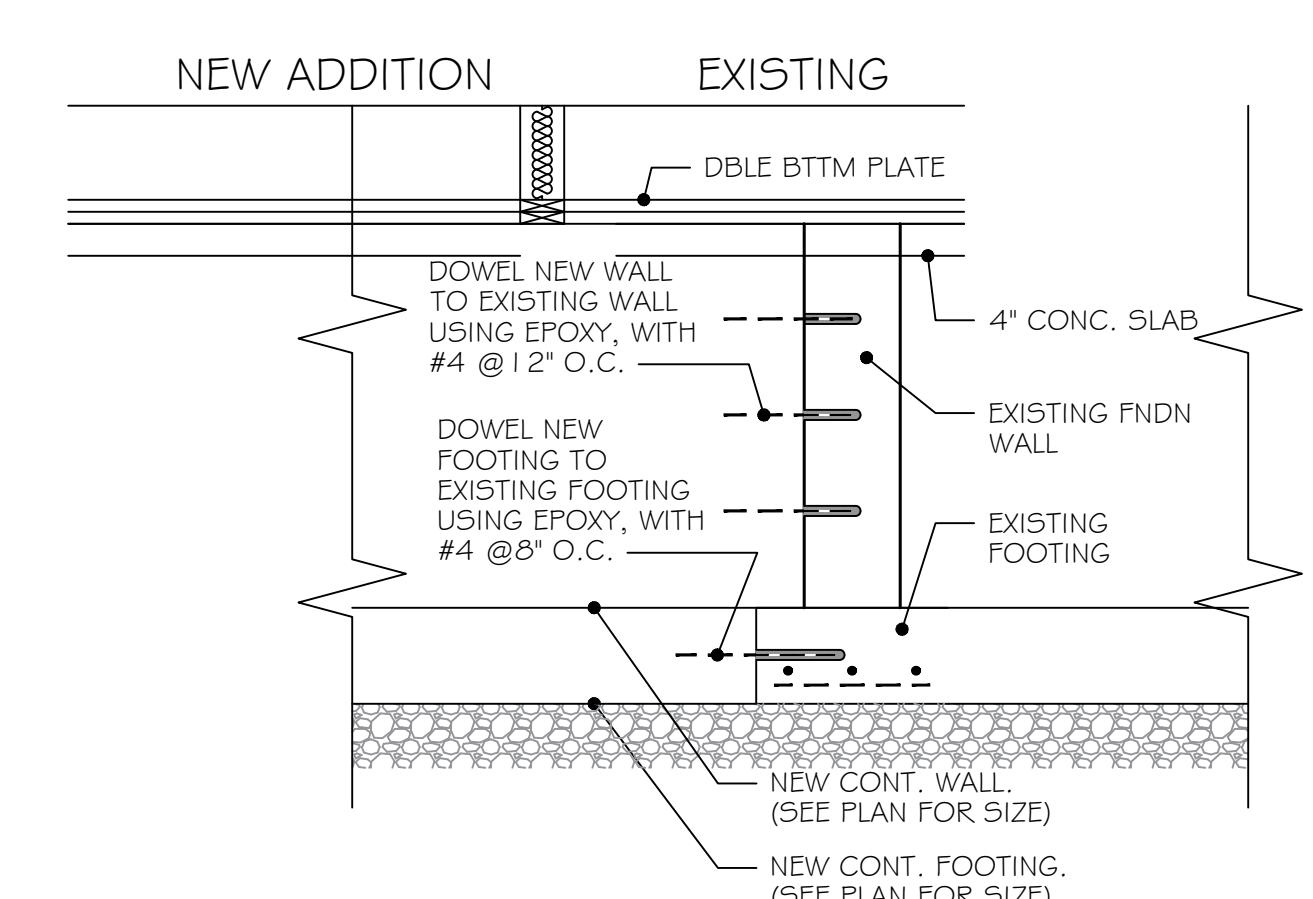
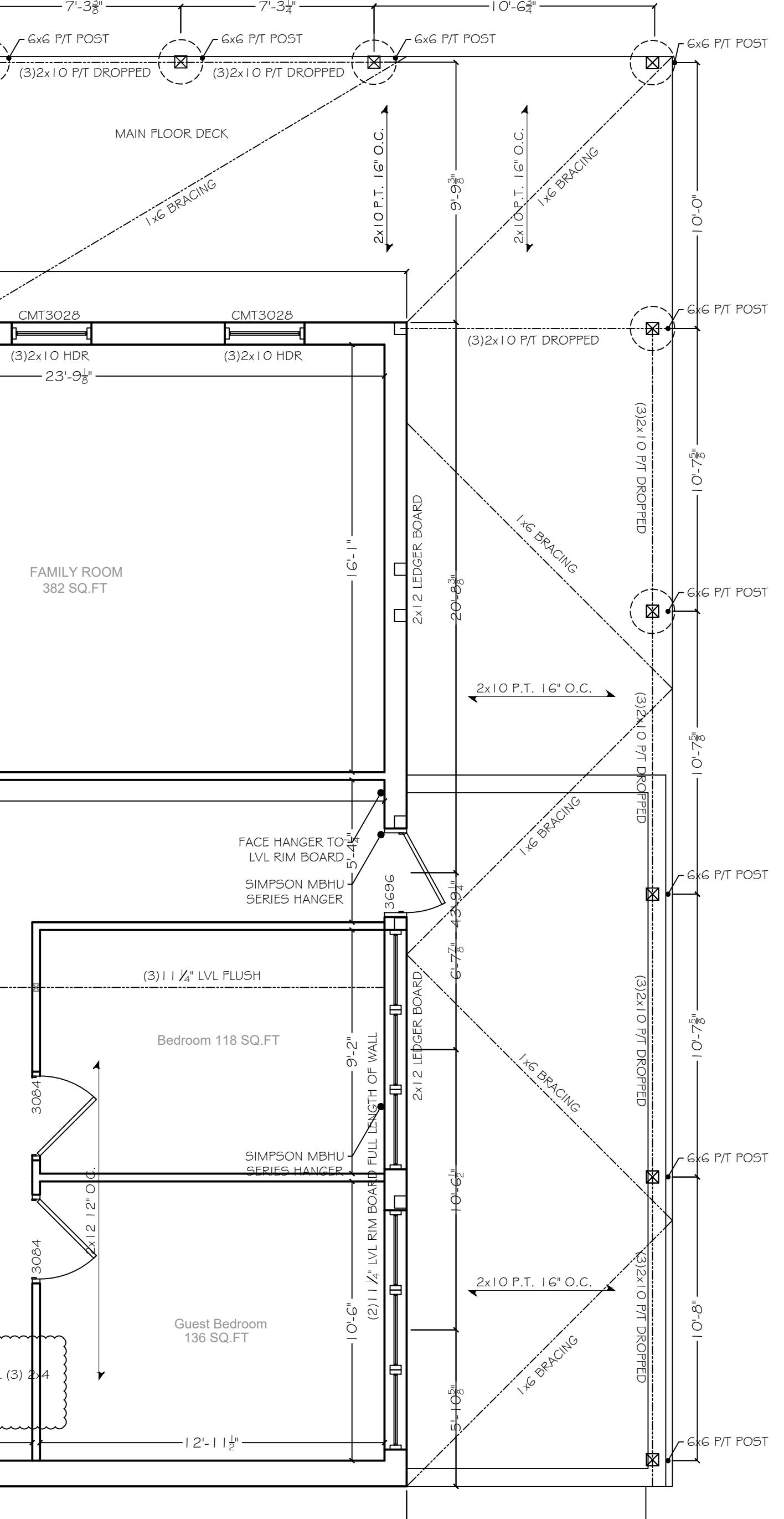
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PROJECT:
 Proposed New Addition For:
17 Sterling Forest Ln.
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 Rockland County, New York

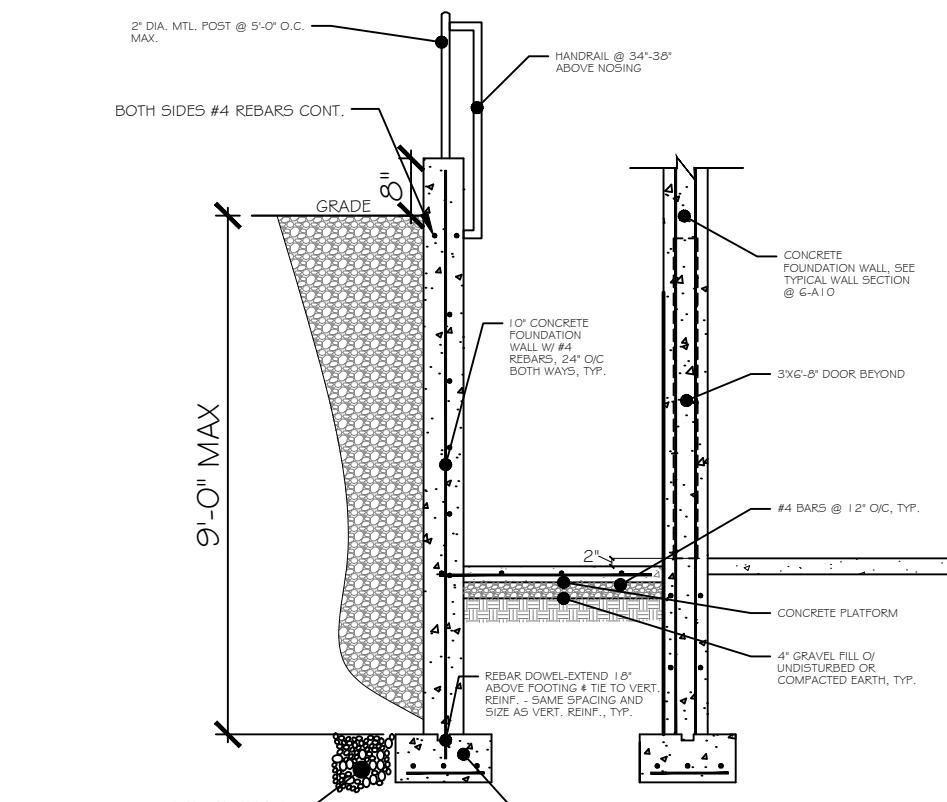


1 BASEMENT FLOOR PLAN
 SCALE: 1/4" = 1' 0"

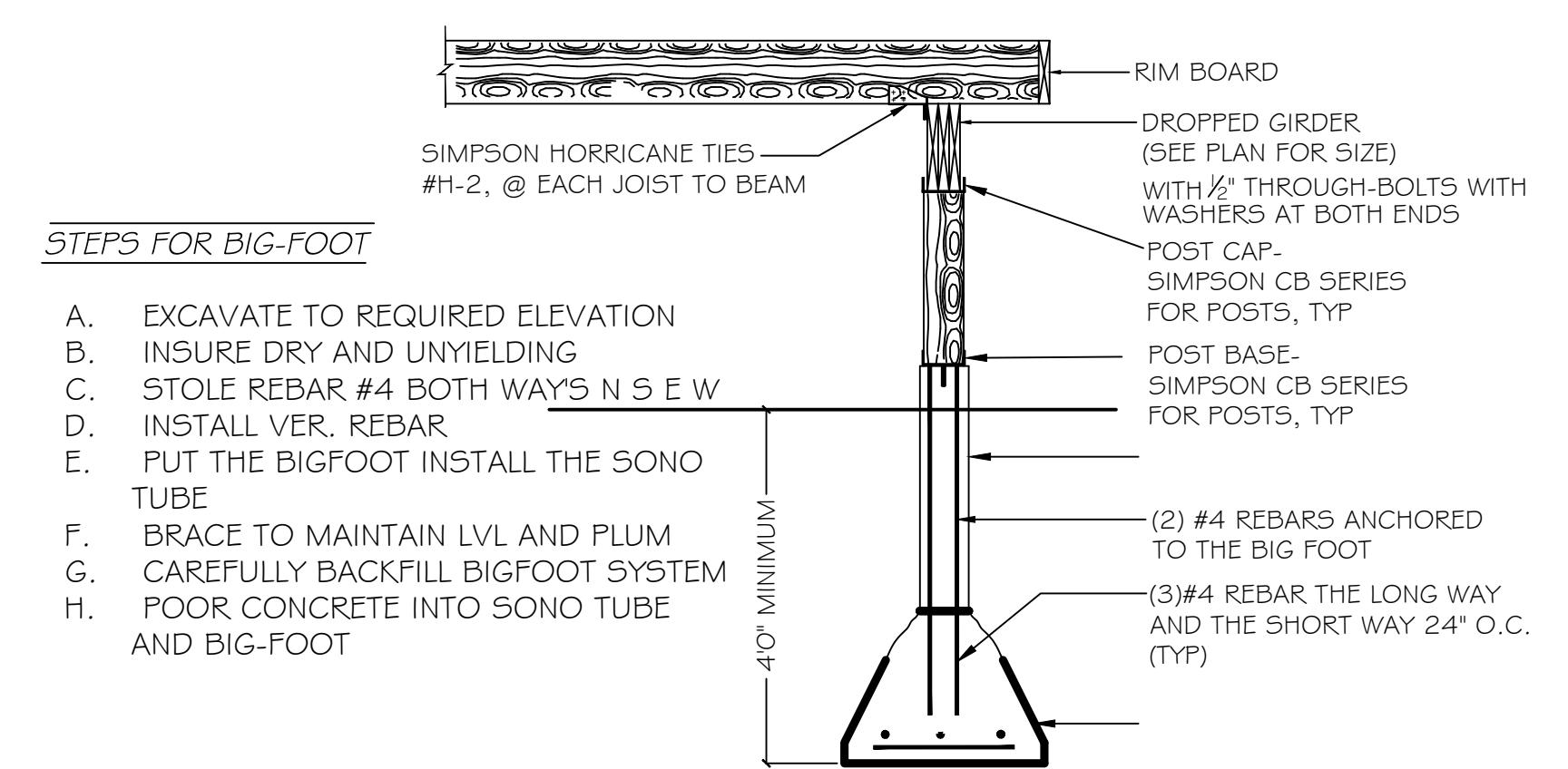
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 SCALE: 1/4" = 1' 0"



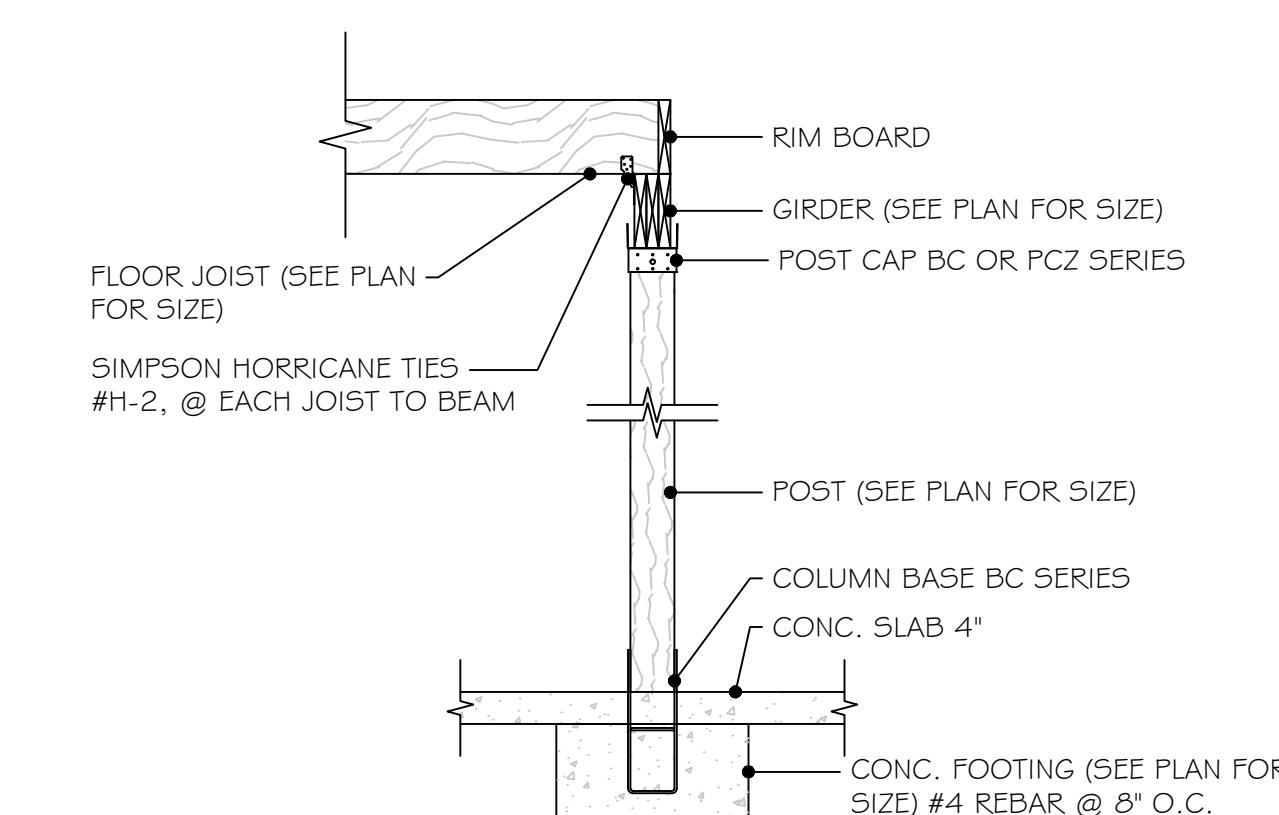
2 MASONRY DOWEL DETAIL
 SCALE: 1/2" = 1' 0"



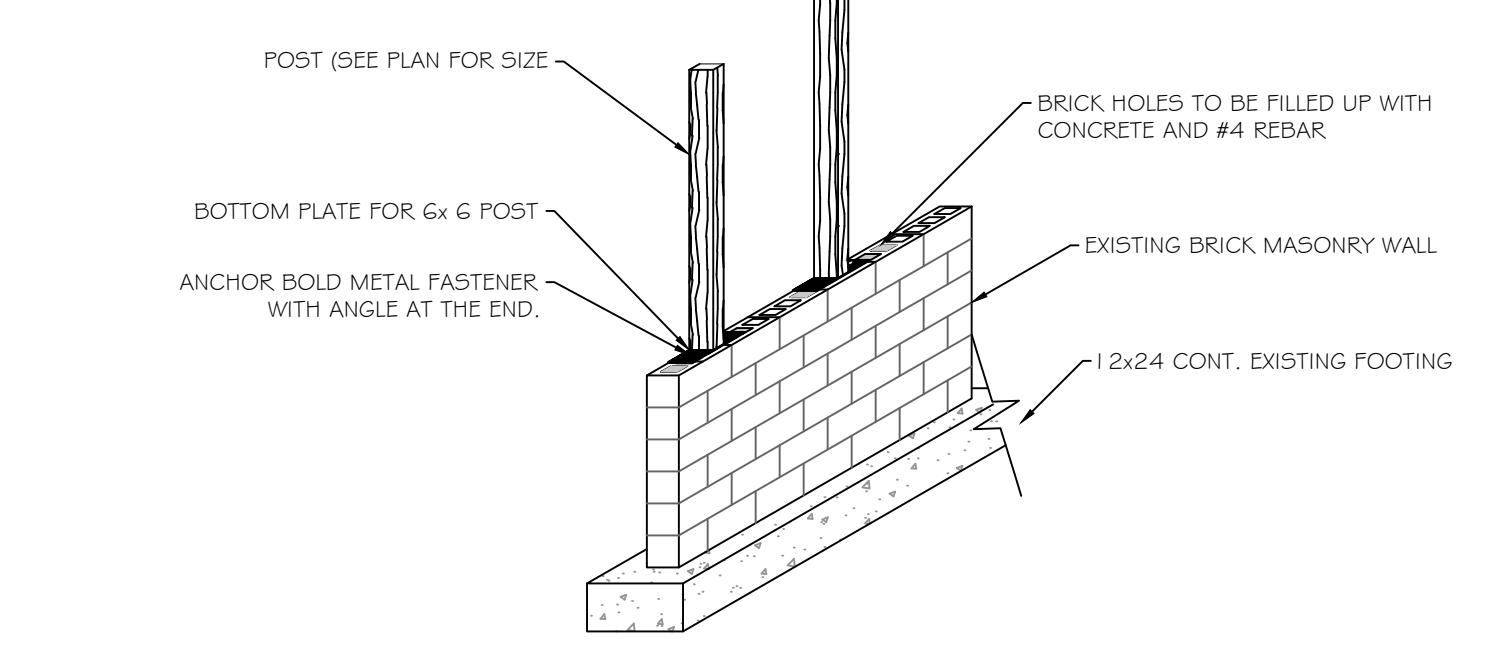
3 RETAINING WALL DETAIL
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4 BIG FOOT DETAIL
 SCALE: 1/2" = 1' 0"

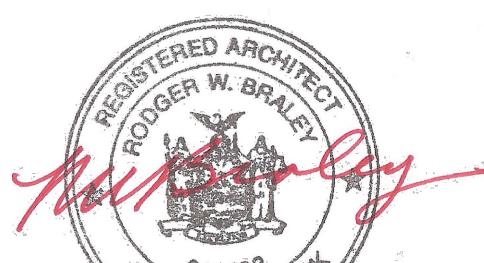


5 INTERIOR CONCRETE PIER
 SCALE: 1/2" = 1' 0"



6 BIG FOOT DETAIL
 SCALE: 1/2" = 1' 0"

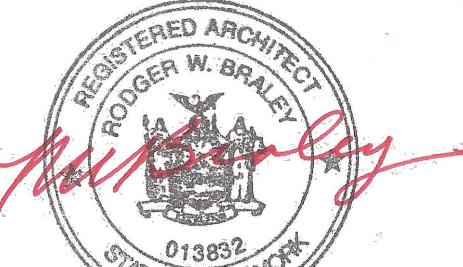
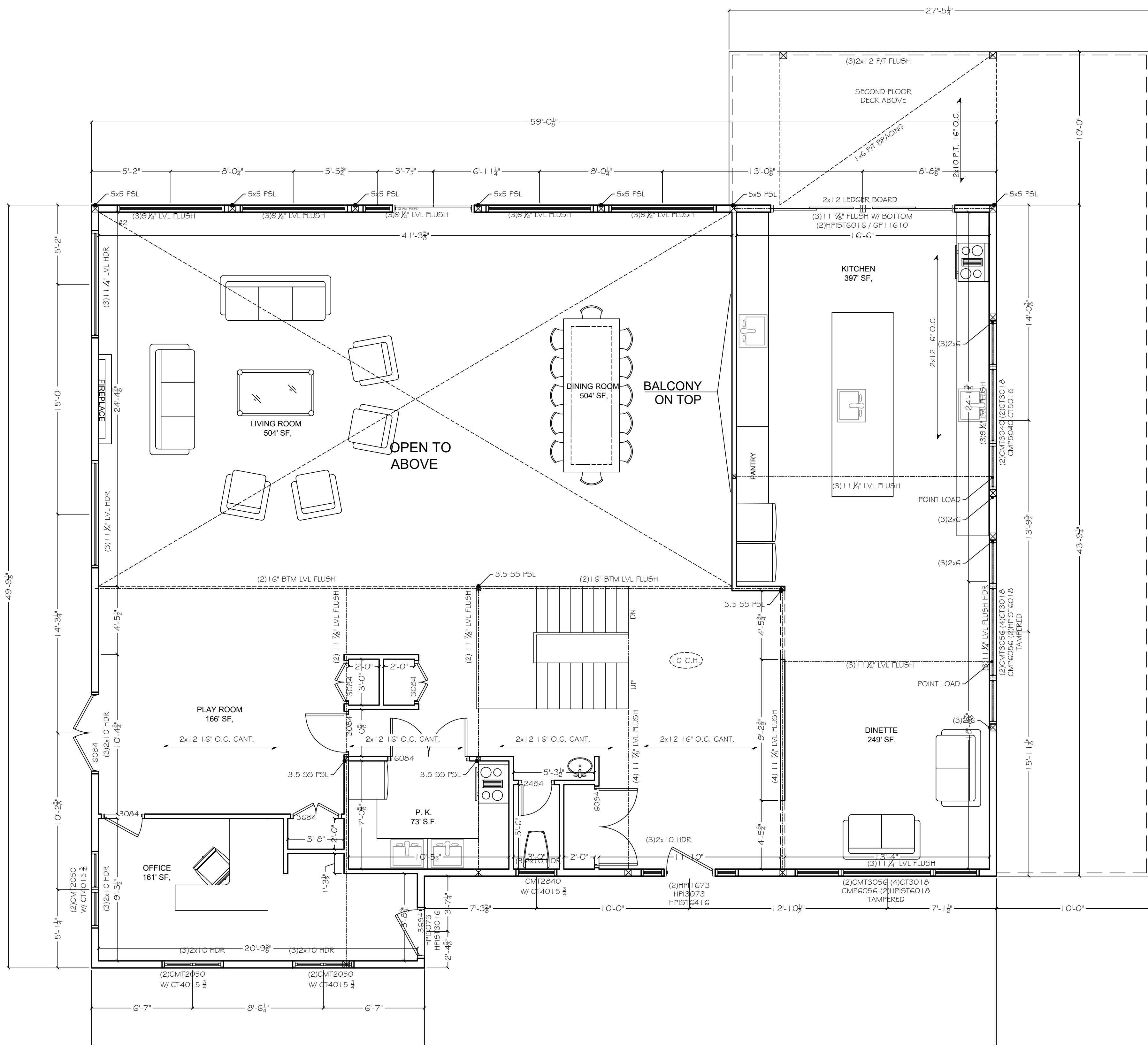
RODGER BRALEY,
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 NYS LIC. NO. 013-832
 50 PLATTS HILL ROAD
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DESCRIPTION:
A-102
 SCALE AS NOTED

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Email: office@szdrawings.com

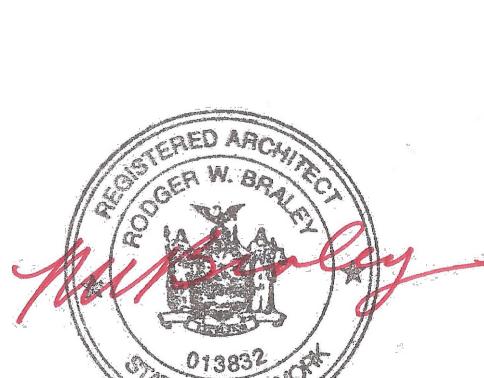
PROJECT:
17 Sterling Forest Ln.
Montebello
Rockland County, New York
DRAWN BY: Shlome Glauber
DATE: 7/15/2024
DATE: 8/2/2024
DATE: 8/28/2024
DATE: 1/13/2025
DATE: 12/4/2025

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DESCRIPTION:
A-103
SCALE AS NOTED


PROJECT:
17 Sterling Forest Ln.
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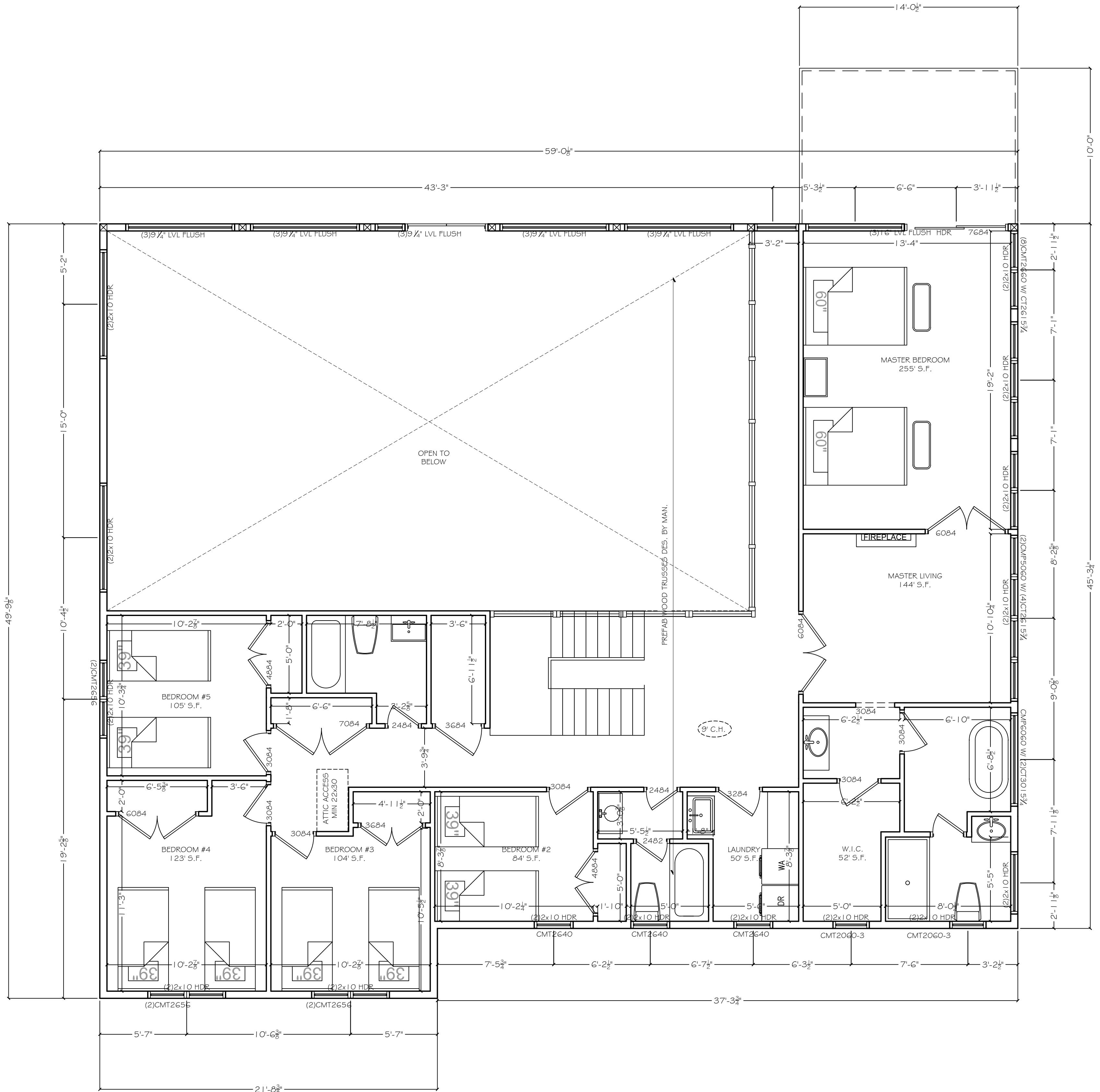
DRAWN BY: Shlome Glauber
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DESCRIPTION:
A-104

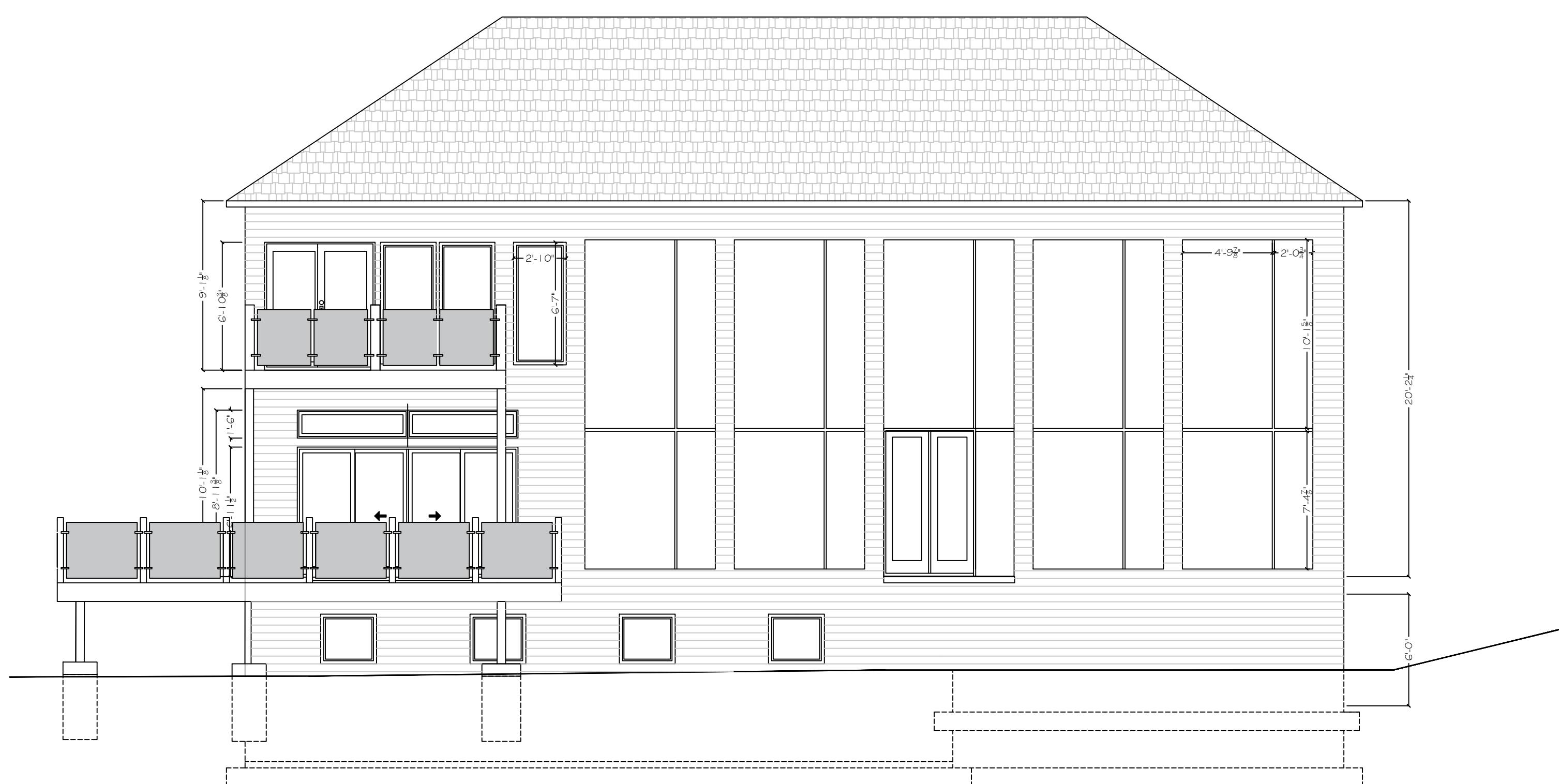
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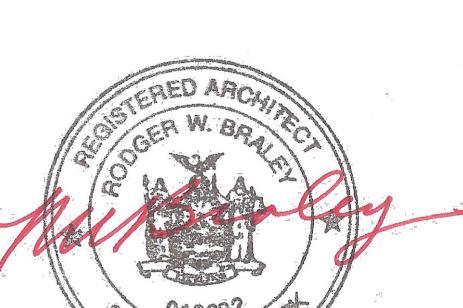
 PROJECT:
 Proposed New Addition For:
17 Sterling Forest Ln.
 Montebello
 Rockland County, New York

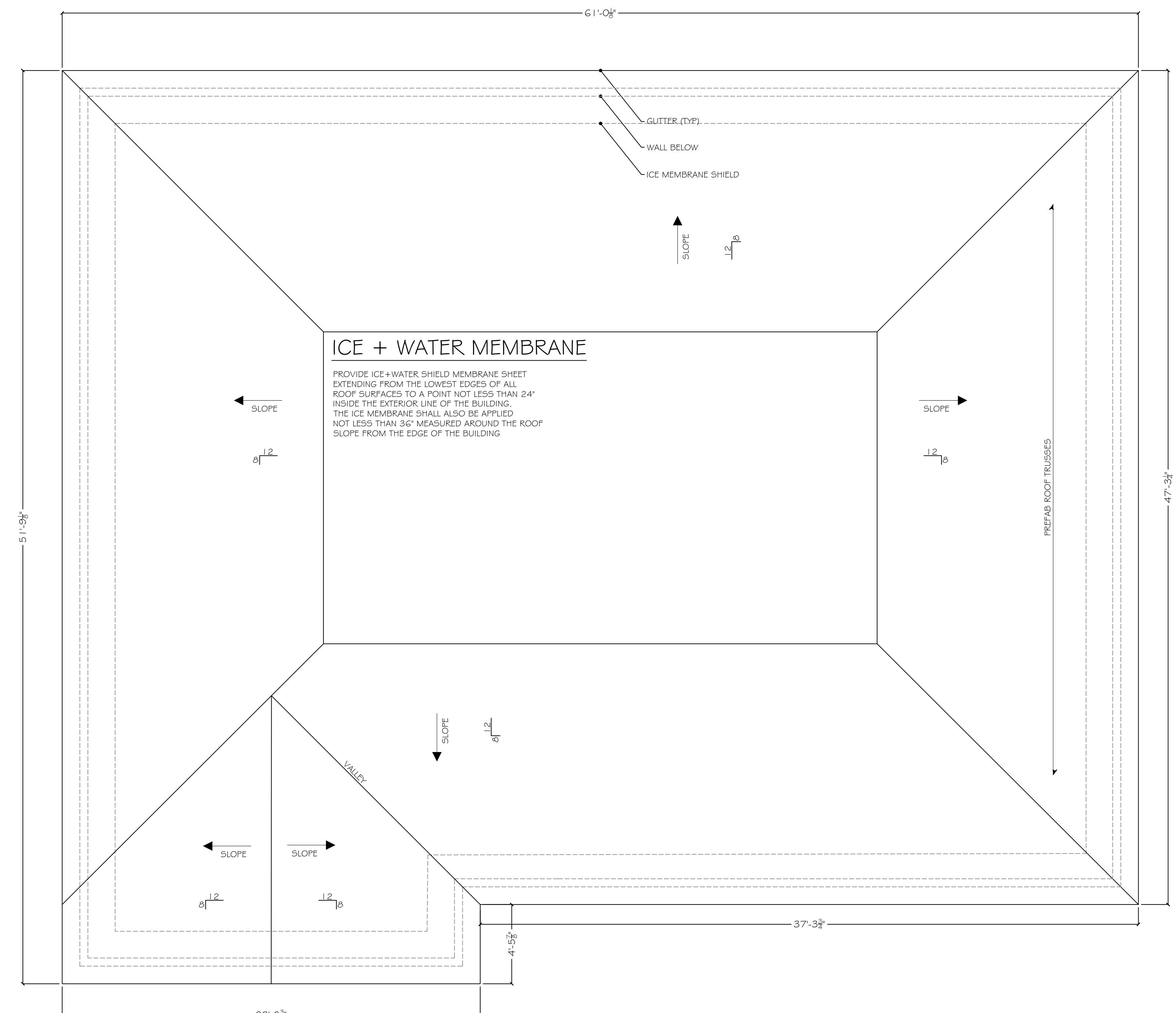
 1 FRONT SIDE ELEVATION
 SCALE: 3/16" = 1' 0"

 2 RIGHT SIDE ELEVATION
 SCALE: 3/16" = 1' 0"

 3 REAR SIDE ELEVATION
 SCALE: 3/16" = 1' 0"

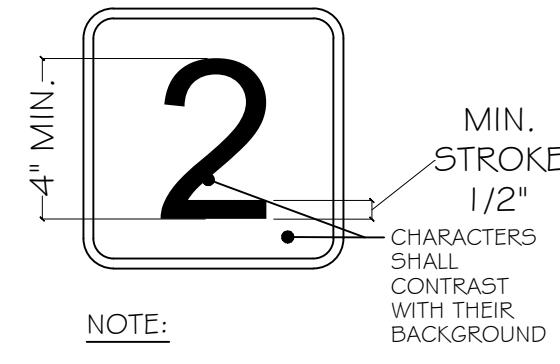
 4 LEFT SIDE ELEVATION
 SCALE: 3/16" = 1' 0"

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 DATE: 7/15/2024
 DATE: 8/2/2024
 DATE: 8/28/2024
 DATE: 1/13/2025
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 NEWTOWN, CT 06470
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 DESCRIPTION:
A-105
 SCALE AS NOTED

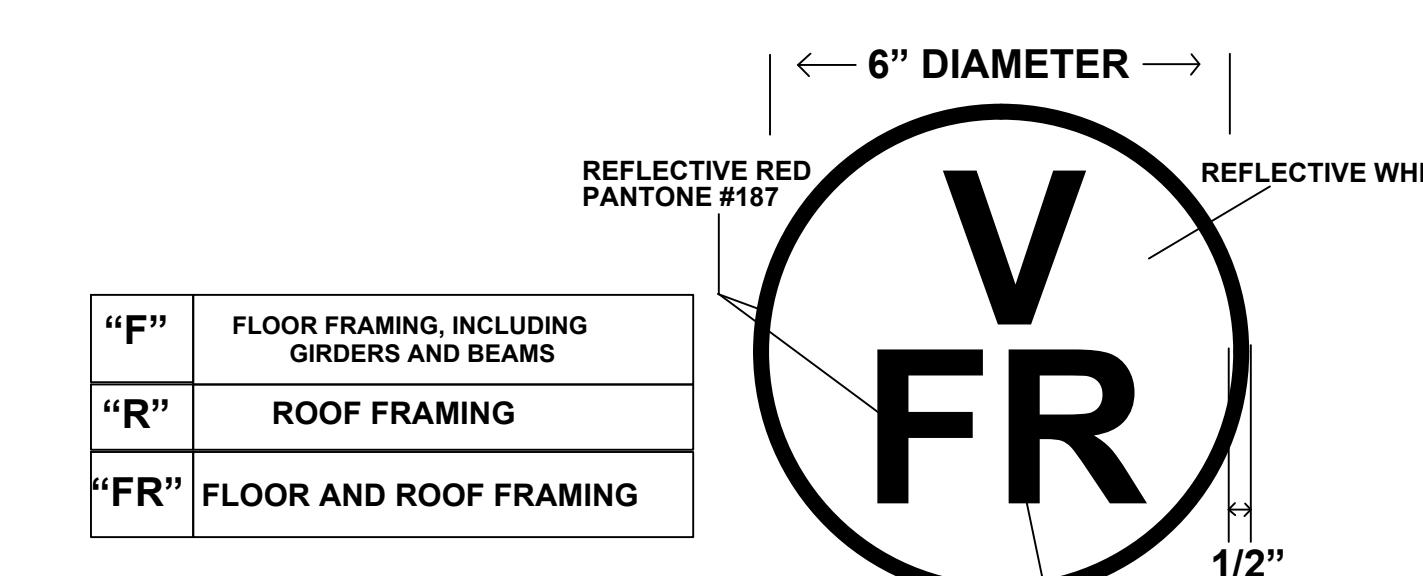


1 PROPOSED ROOF PLAN
SCALE: 1/4" = 1' 0"



NOTE:
THE ADDRESS IDENTIFICATION SHALL BE
LEGIBLE AND PLACED IN A POSITION
THAT IS VISIBLE FROM THE STREET OR
ROAD FRONTING THE PROPERTY.

2 ADDRESS IDENTIFICATION DETAIL
SCALE: 1/4" = 1' 0"



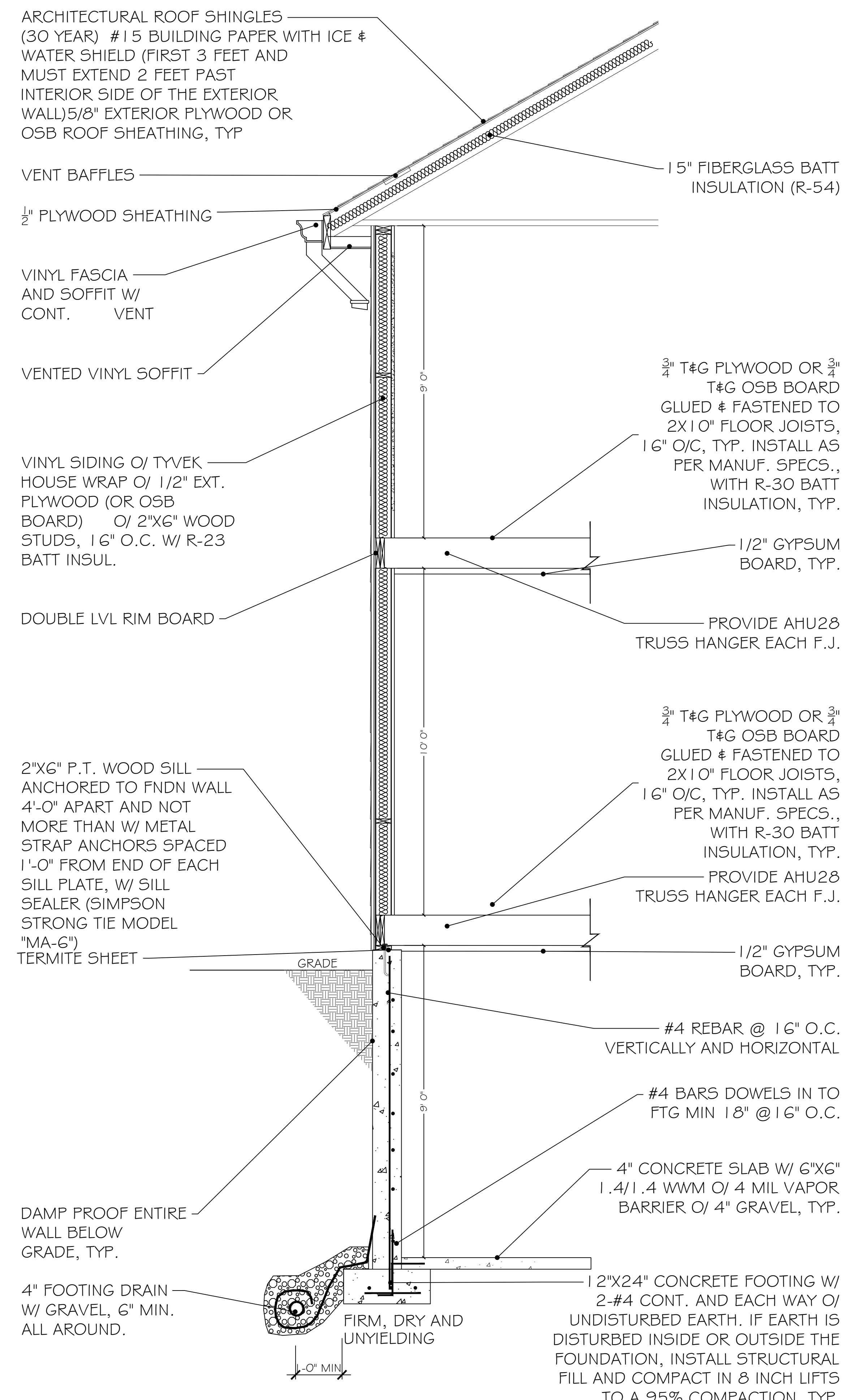
The construction type designation shall be "I", "II", "III", "IV" or "V" to indicate the construction classification of the structure under section 602 of the BCNYS

DESIGNATION FOR STRUCTURAL
COMPONENTS THAT ARE OF
TRUSS TYPE CONSTRUCTION

NOTE 1: CONFIRM LOCATION WITH BUILDING CODE OFFICIAL CHAPTER 33, PART I 264 OF THE NYS BUILDING CODE INSTALL IDENTIFICATION SIGN FOR BUILDINGS UTILIZING TRUSS TYPE CONSTRUCTION

INTERNATIONAL RESIDENTIAL CODE OF 2020, SECTION R302.13 - PROTECTION OF FLOORS
EXCEPTION 4 - WOOD FLOOR ASSEMBLIES USING DIMENSIONAL OR STRUCTURAL COMPOSITE LUMBER
EQUAL TO OR GREATER THAN 2" x 10" NOMINAL. CODE OFFICIAL DETERMINATION - COVER UNDERSIDE
OF TJI JOISTS PER CODE WITH 1/2" GYP. BD. CONTRACTOR TO SUBMIT JOIST MANUFACTURER
SPECIFICATIONS TO THE BUILDING CODE OFFICIAL PRIOR TO ORDER FOR REVIEW.

3 TRUSS TYPE CONS. SIGN DETAIL
SCALE: 1/4" = 1' 0"



4 TYPICAL WALL SECTION
SCALE: 1/2" = 1' 0"

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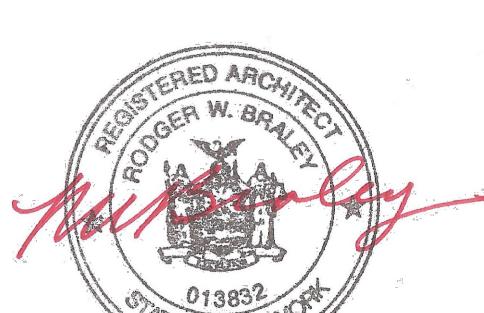


DESCRIPTION:
A-106
SCALE AS NOTED

PROJECT:
 17 Sterling Forest Ln.
 Montebello
 Rockland County, New York
 Proposed New Addition For:

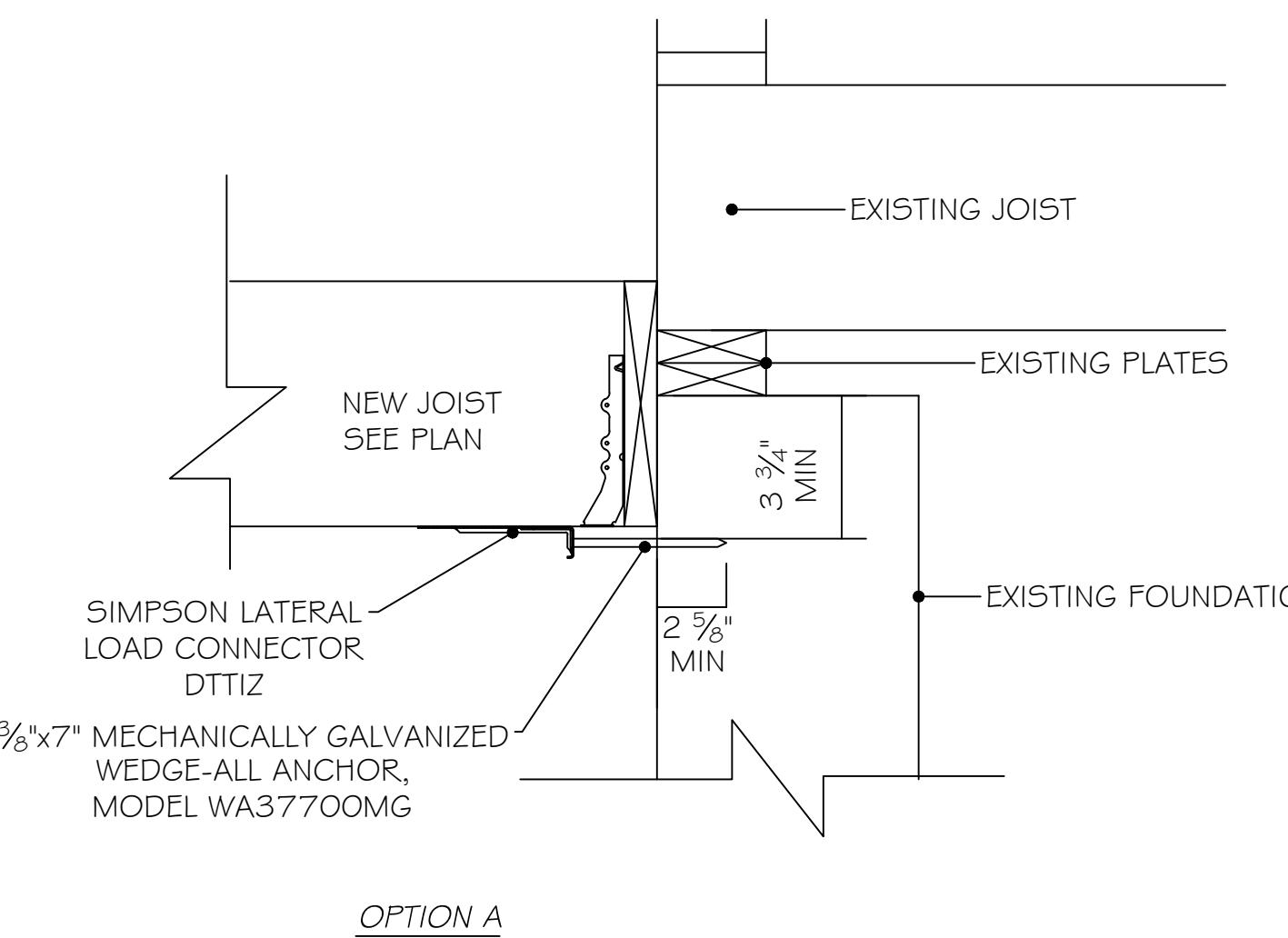
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DATE: 7/15/2024
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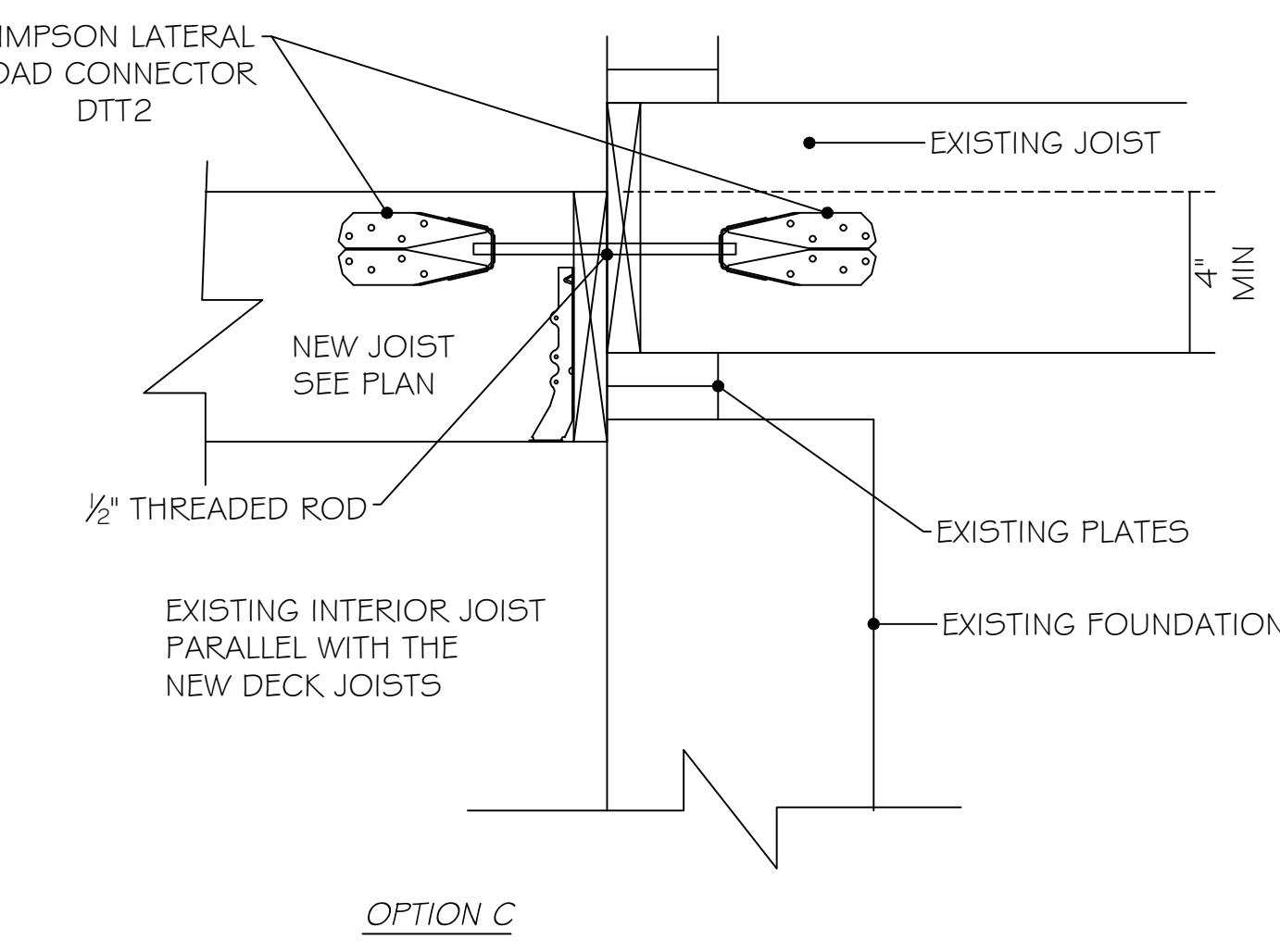


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A-107

SCALE AS NOTED

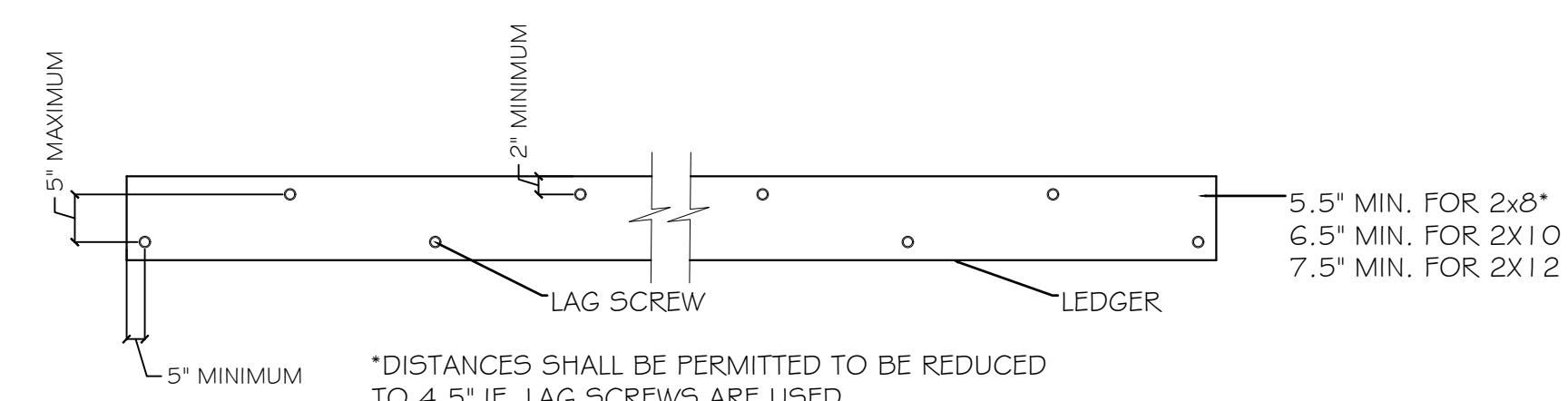


OPTION A
 PROVIDE 4 CONNECTOR PER LEDGER EVENLY SPACED AND INSTALLED WITHIN 24" FROM THE EDGE OF THE DECK LEDGER BOARD.



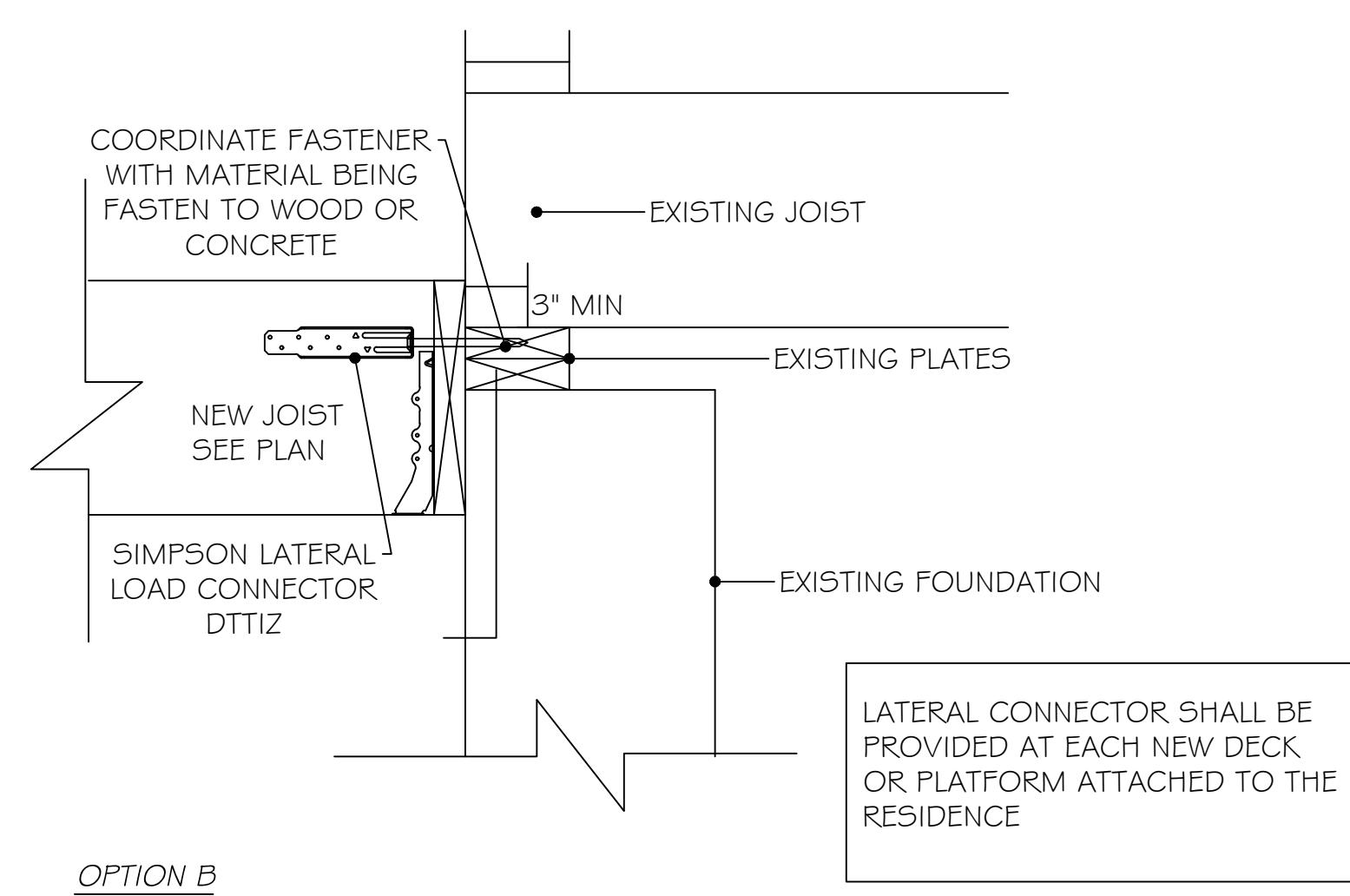
OPTION C
 PROVIDE 4 CONNECTOR PER LEDGER EVENLY SPACED AND INSTALLED WITHIN 24" FROM THE EDGE OF THE DECK LEDGER BOARD.

1 LATERAL BRACING DETAILS
 SCALE: 1/4" = 1' 0"

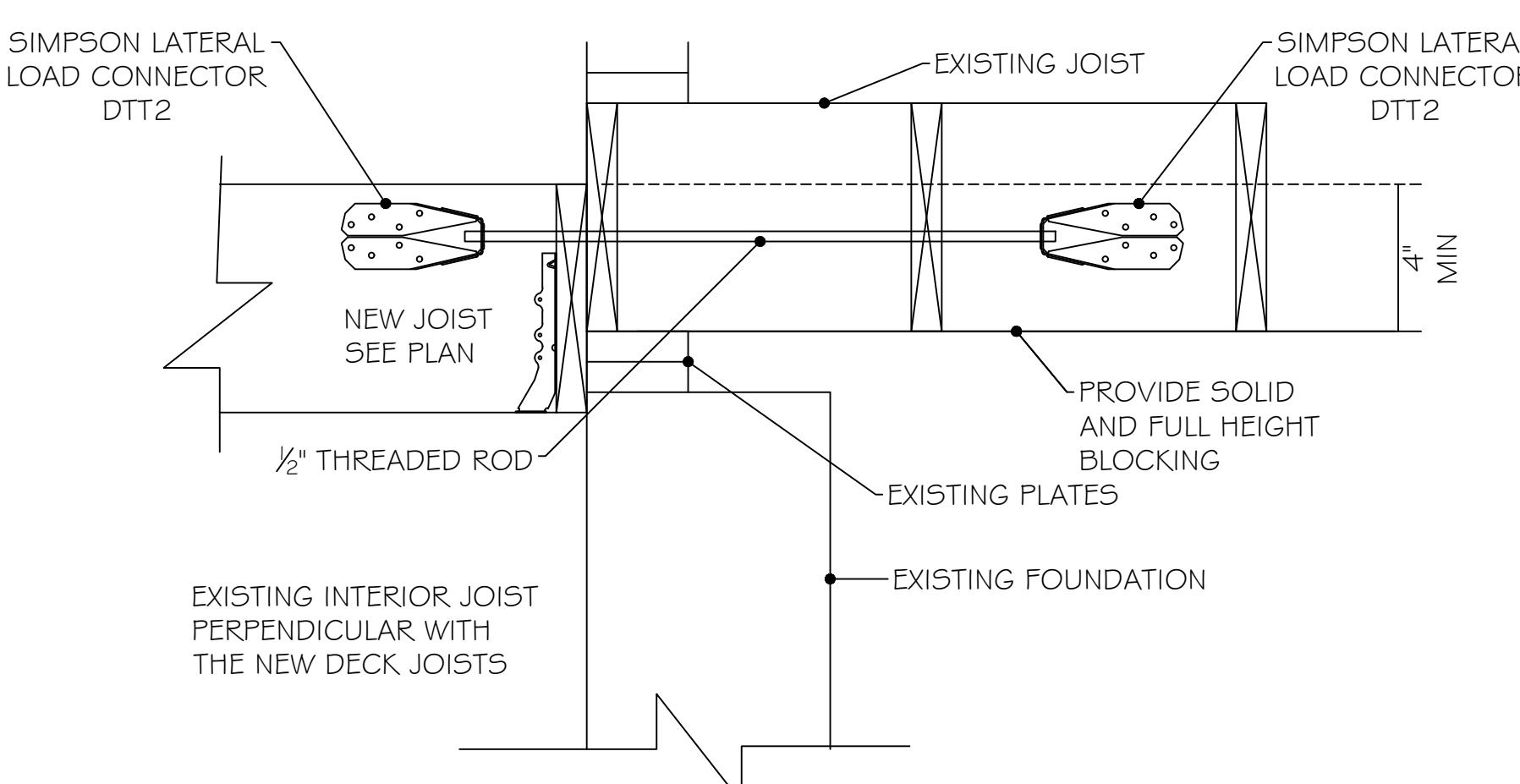


*DISTANCES SHALL BE PERMITTED TO BE REDUCED TO 4.5" IF LAG SCREWS ARE USED

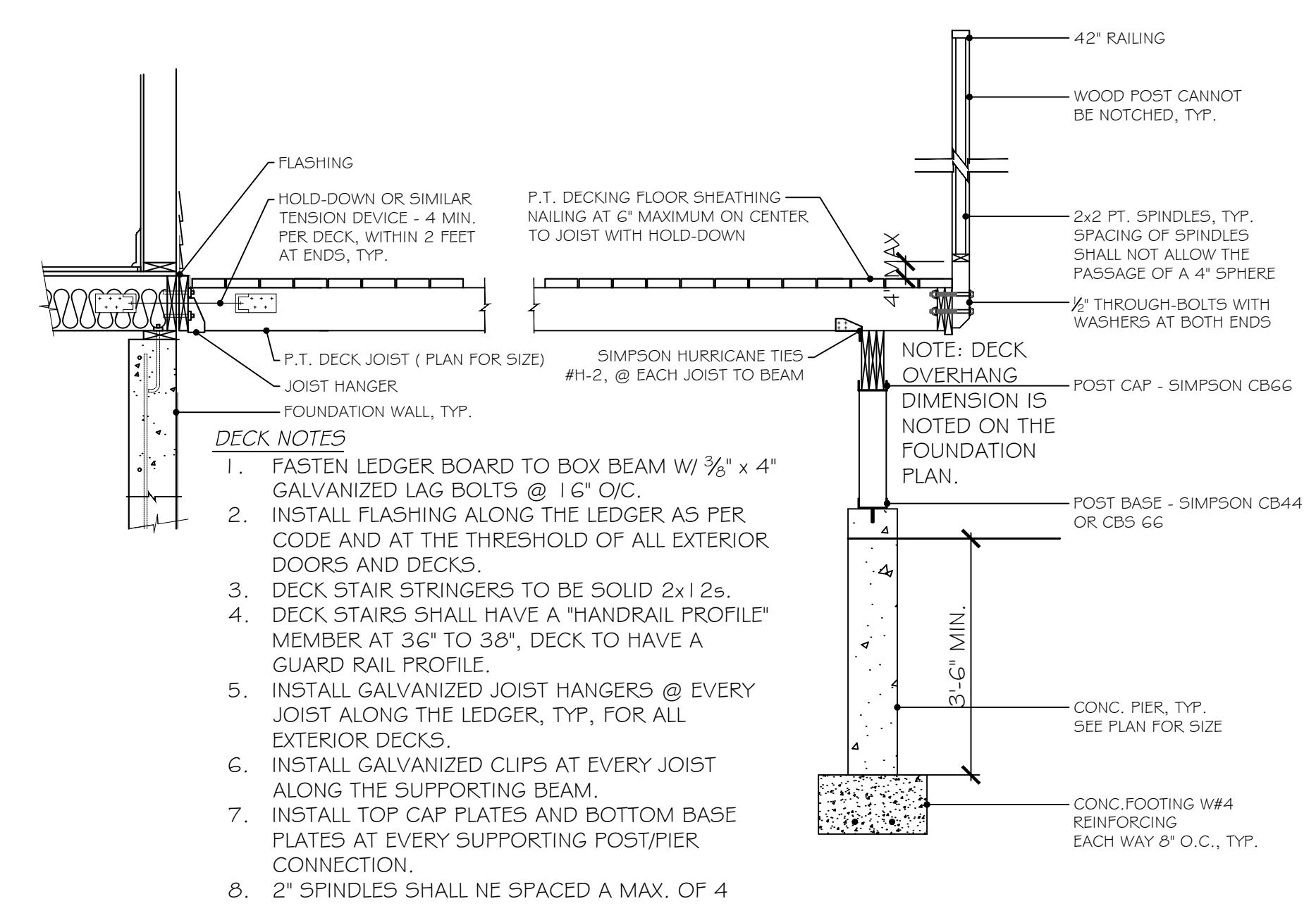
2 FASTENING PATTERN FOR LEDGER BOARDS (TYP.)
 SCALE: 1/4" = 1' 0"



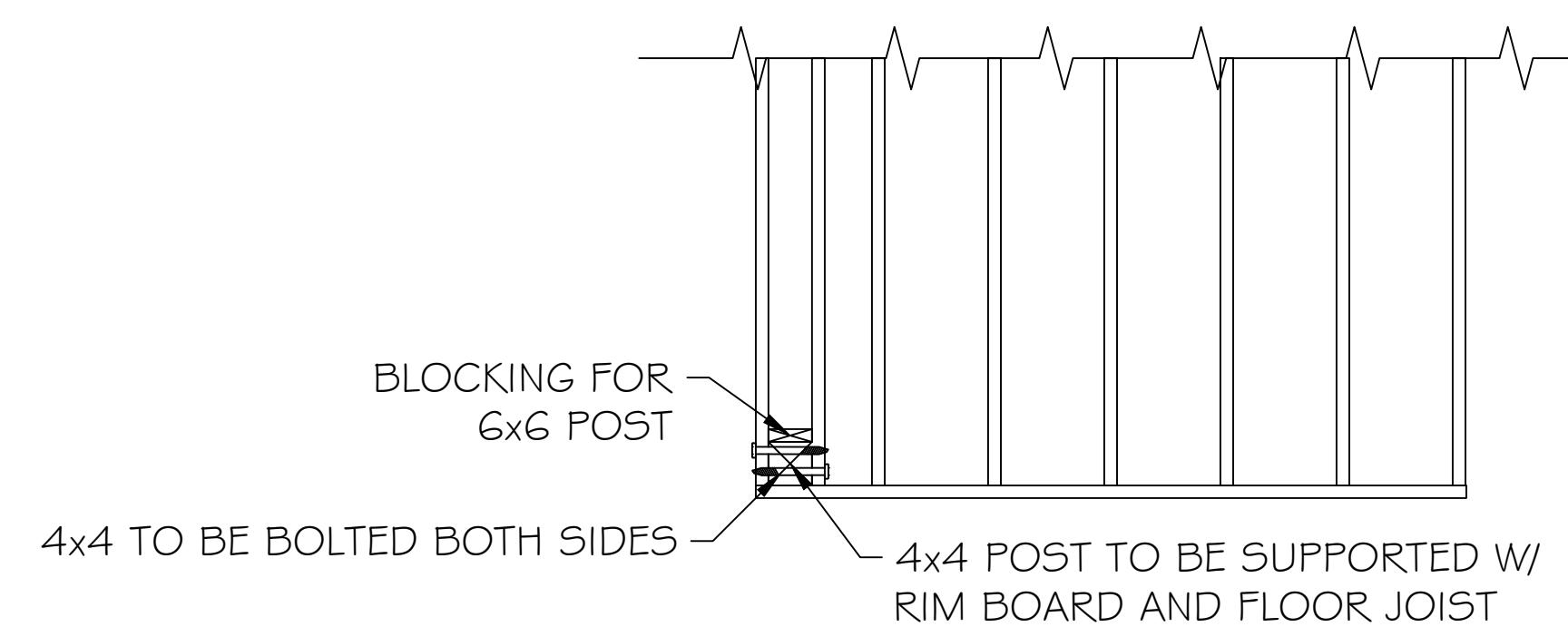
OPTION B
 PROVIDE 4 CONNECTOR PER LEDGER EVENLY SPACED AND INSTALLED WITHIN 24" FROM THE EDGE OF THE DECK LEDGER BOARD.



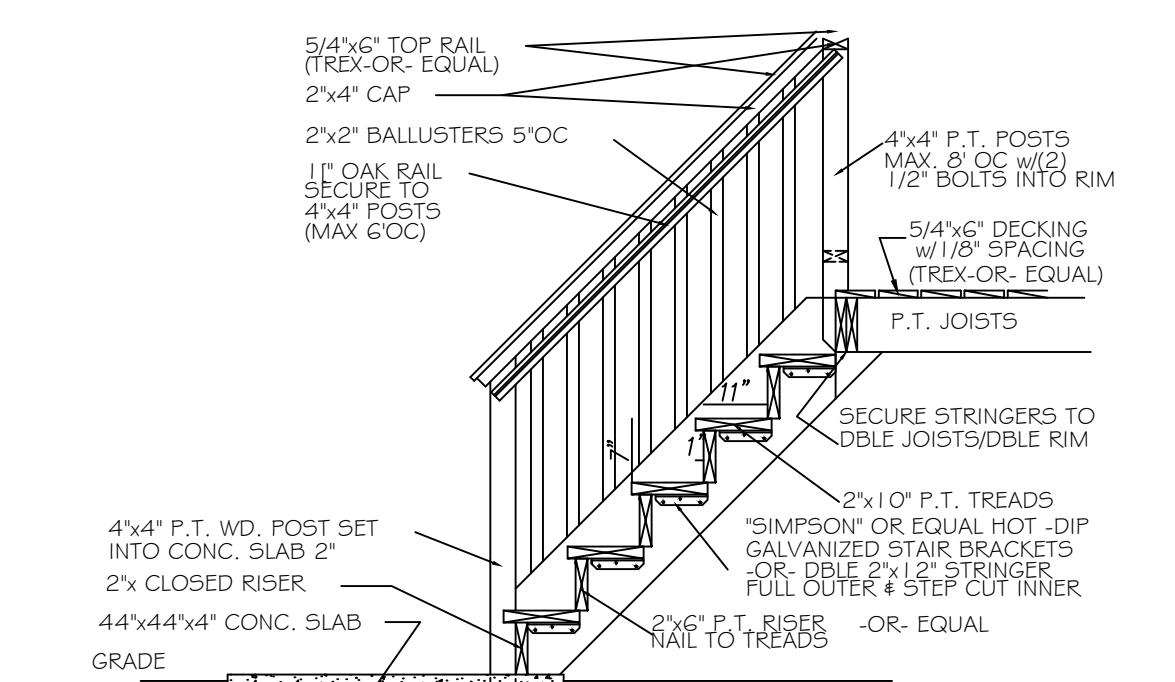
OPTION D
 PROVIDE 4 CONNECTOR PER LEDGER EVENLY SPACED AND INSTALLED WITHIN 24" FROM THE EDGE OF THE DECK LEDGER BOARD.



3 TYPICAL DECK DETAIL
 SCALE: 1/4" = 1' 0"

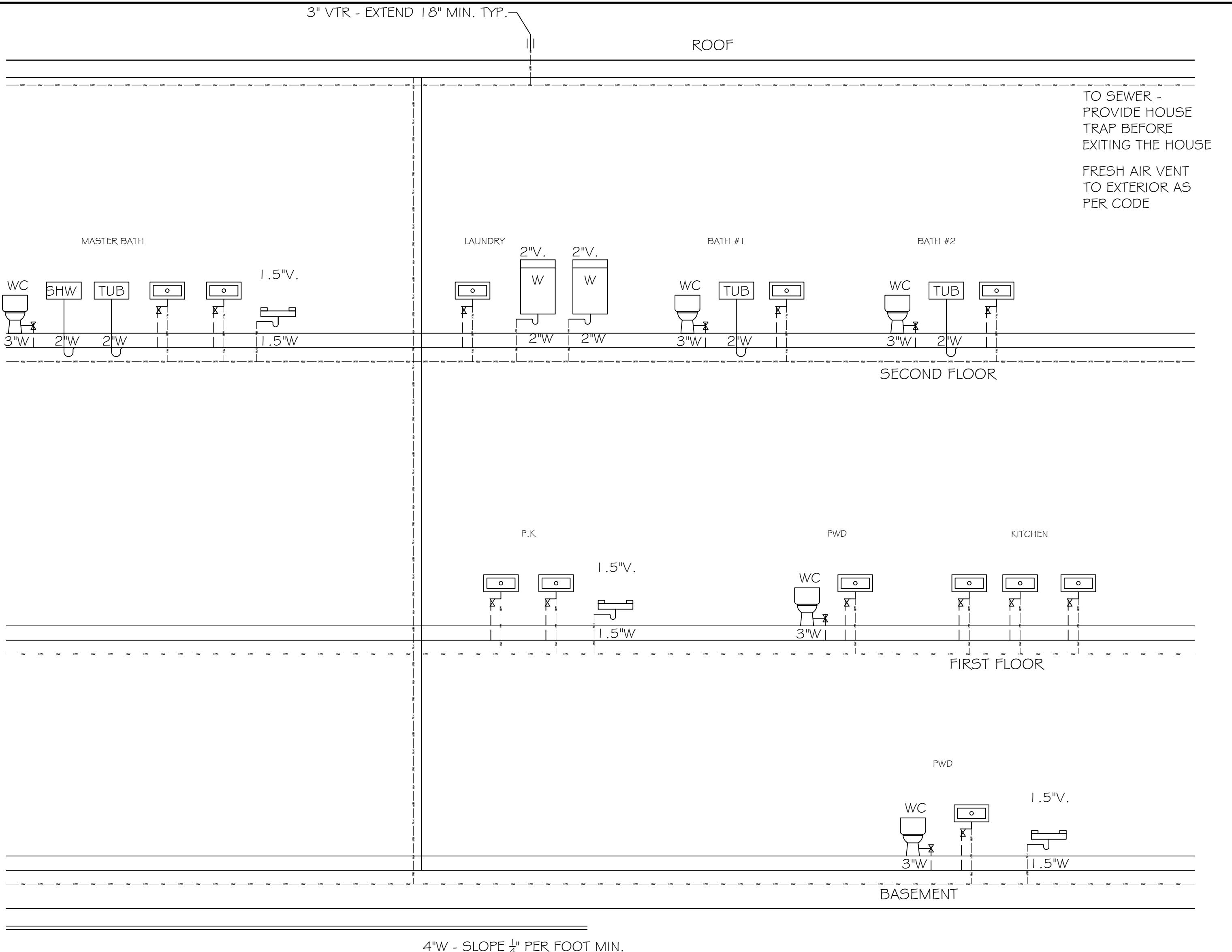


4 RAILING POST SUPPORT DETAIL (TYP.)
 SCALE: 1/4" = 1' 0"

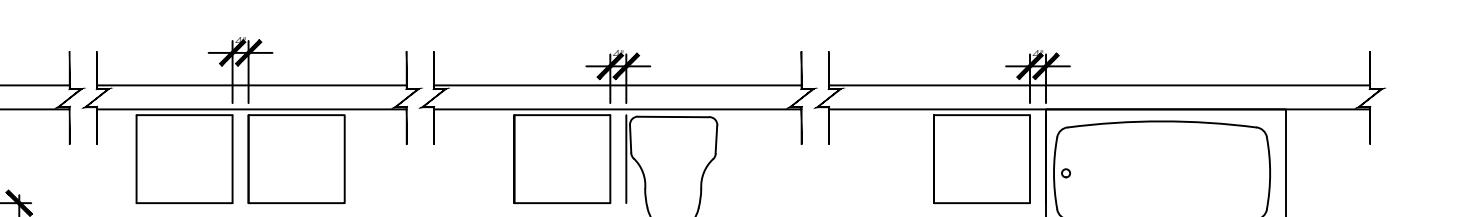


5 EXTERIOR PRES. TRTD. STAIR DETAIL
 SCALE: 1/4" = 1' 0"

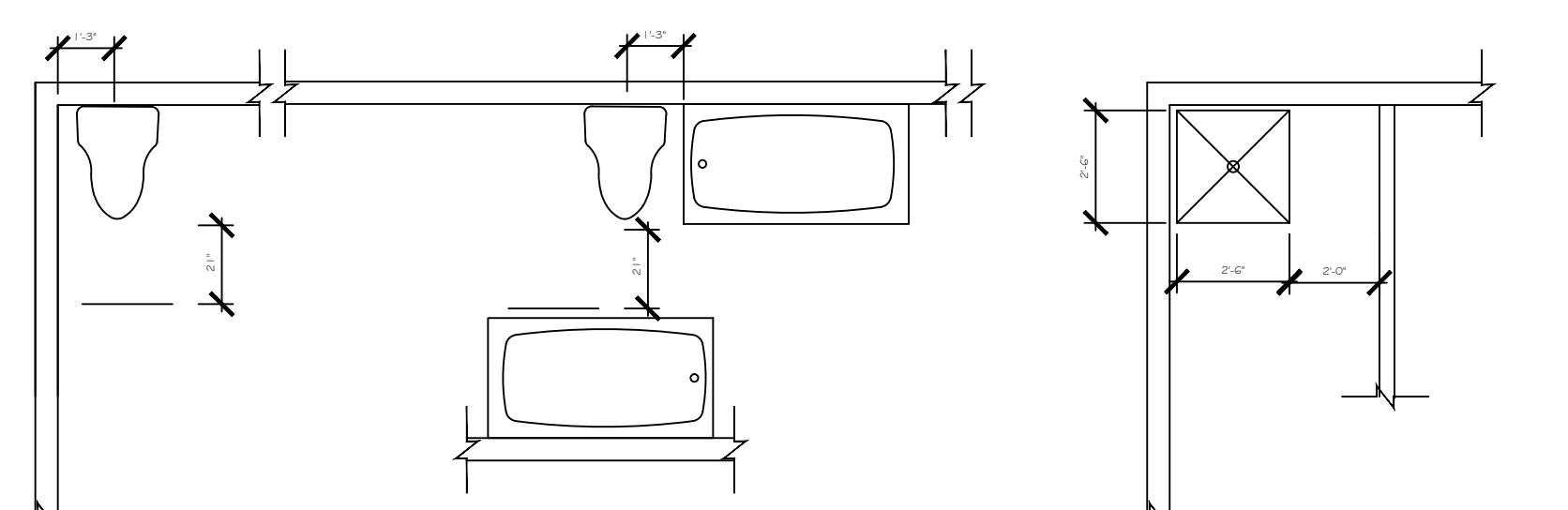
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17 Sterling Forest Ln.
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 Rockland County, New York



1 PLUMBING RISER DIAGRAM - VENT & WASTE



LAVATORIES



WATER CLOSETS

SHOWERS

2 MINIMUM PLUMBING FIXTURE CLEARANCES

SCALE: 1/4" = 1' 0"

BUILDING TO COMPLY WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCNY). SECTION R401.3 CERTIFICATE
 A PERMANENT CERTIFICATE SHALL BE COMPLETED BY THE BUILDER OR REGISTERED DESIGN PROFESSIONAL AND POSTED ON A WALL IN THE SPACE WHERE THE FURNACE IS LOCATED, A UTILITY ROOM OR AN APPROVED LOCATION INSIDE THE BUILDING, WHERE LOCATED ON AN ELECTRICAL PANEL, THE CERTIFICATE SHALL NOT COVER OR OBSTRUCT THE VISIBILITY OF THE CIRCUIT DIRECTORY LABEL, SERVICE DISCONNECT LABEL OR OTHER REQUIRED LABELS. THE CERTIFICATE SHALL LIST THE PREDOMINANT R-VALUES OF INSULATION INSTALLED IN OR ON CEILING/ROOF, WALLS, FOUNDATION (SLAB, BASEMENT WALL, CRAWLSPACE WALL AND FLOOR) AND DUCTS OUTSIDE CONDITIONED SPACES; U-Factors FOR FENESTRATION AND THE SOLAR HEAT GAIN COEFFICIENT (SHGC) OF FENESTRATION, AND THE 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. THE CERTIFICATE SHALL LIST THE TYPES AND EFFICIENCIES OF HEATING, COOLING AND SERVICE WATER HEATING EQUIPMENT, WHERE A GAS-FIRED UNVENTED ROOM HEATER, ELECTRIC FURNACE OR BASEBOARD ELECTRIC HEATER IS INSTALLED IN THE RESIDENCE, THE CERTIFICATE SHALL LIST "GAS-FIRED UNVENTED ROOM HEATER," "ELECTRIC FURNACE" OR "BASEBOARD ELECTRIC HEATER," AS APPROPRIATE. AN EFFICIENCY SHALL NOT BE LISTED FOR GAS-FIRED UNVENTED ROOM HEATERS, ELECTRIC FURNACES OR ELECTRIC BASEBOARD HEATERS.

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

SECTION R402 BUILDING THERMAL ENVELOPE
 ALL VALUES INDICATED ARE THE PRESCRIPTIVE METHOD FOR CLIMATE ZONE 5. IF A RESCHECK IS PROVIDED WITH SUBSTITUTED VALUES, THAT THE RESCHECK SHALL BE FOLLOWED.

ALL R-VALUES ARE ACCORDING TO TABLE R402.1.2, AND U-FACTOR VALUES ARE ACCORDING TO TABLE R402.1.4. CEILING TO HAVE R-49 INSULATION.

R-38 SHALL BE DEEMED TO SATISFY THE REQUIREMENT FOR R-49 WHEREVER THE FULL HEIGHT OF UNCOMPRESSED R-38 INSULATION EXTENDS OVER THE WALL TOP PLATE AT THE EAVES (100% OF THE CEILING AREA).

WOOD FRAMED WALLS OF BUILDING TO HAVE R-20 CAVITY INSULATION OR R-13 CAVITY INSULATION + R-5 CONTINUES INSULATION.

MASS WALLS ABOVE GROUND (IF APPLICABLE) TO HAVE R-13 INSULATION OR R-17 IF MORE THAN HALF OF THE INSULATION IS ON THE INTERIOR OF THE MASS WALL.

BASEMENT WALLS SHALL HAVE MINIMUM OF R-15 CONTINUOUS INSULATION ON THE INTERIOR OR EXTERIOR OF THE BASEMENT WALL, OR A MINIMUM OF R-19 CAVITY INSULATION AT THE INTERIOR OF THE BASEMENT WALL.

BASEMENT WALLS ASSOCIATED WITH CONDITIONED BASEMENTS SHALL BE INSULATED FROM THE TOP OF THE BASEMENT WALL DOWN TO 10 FEET BELOW GRADE OR TO THE BASEMENT FLOOR, WHICHEVER IS LESS. WALLS ASSOCIATED WITH UNCONDITIONED BASEMENTS SHALL MEET THIS REQUIREMENT UNLESS THE FLOOR OVERHEAD IS INSULATED.

FLOORS TO HAVE R-30 INSULATION OR INSULATION SUFFICIENT TO FILL THE FRAMING CAVITY, R-19 MINIMUM.

FENESTRATION OF BUILDING TO HAVE A U-FACTOR OF 0.30 (EXCLUDING SKYLIGHTS).

SLAB ON GRADE (IF APPLICABLE) TO HAVE R-10 INSULATION FOR A DEPTH OF 2 FEET.

SLAB-ON-GRADE FLOORS WITH A FLOOR SURFACE LESS THAN 12 INCHES (305 MM) BELOW GRADE SHALL BE INSULATED WITH R-10 INSULATION. THE INSULATION SHALL EXTEND DOWNWARD FROM THE TOP OF THE SLAB ON THE OUTSIDE OR INSIDE OF THE FOUNDATION WALL. INSULATION LOCATED BELOW GRADE SHALL BE EXTENDED 2'-0" BY ANY COMBINATION OF VERTICAL INSULATION.

CRAWL SPACE SHALL HAVE MINIMUM R-15 OF CONTINUOUS INSULATION ON THE INTERIOR OR EXTERIOR OF THE WALL OR MINIMUM OF R-19 OF CAVITY INSULATION AT THE INTERIOR OF THE BASEMENT WALL.

SKYLIGHTS TO HAVE A U FACTOR OF 0.55.

MAXIMUM FENESTRATION U-FACTOR AND SHGC THE AREA-WEIGHTED AVERAGE MAXIMUM FENESTRATION U-FACTOR PERMITTED USING TRADEOFFS FROM SECTION R402.1.5 OR R405 SHALL BE 0.48, FOR VERTICAL FENESTRATION, AND 0.75 FOR SKYLIGHTS.

FIRE SEPARATION WALLS BETWEEN WELLING UNITS IN TWO-FAMILY DWELLINGS AND MULTIPLE SINGLE-FAMILY DWELLINGS (TOWNHOUSES) SHALL BE INSULATED TO NO LESS THAN R-10 AND THE WALLS SHALL BE AIR SEALED IN ACCORDANCE WITH SECTION R402.4.

THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION.

THE COMPONENTS OF THE BUILDING THERMAL ENVELOPE SHALL COMPLY WITH TABLE R402.4.1.1 OF THE 2020 ECCNY AND SHALL BE INSTALLED ACCORDING WITH THE MANUFACTURER'S INSTRUCTIONS AND THE CRITERIA INDICATED IN TABLE R402.4.1.1, AS APPLICABLE TO THE METHOD OF CONSTRUCTION.

WINDOWS, SKYLIGHTS AND SLIDING GLASS DOORS SHALL HAVE AN AIR INFILTRATION RATE OF NO MORE THAN 0.3 CM PER SQUARE FOOT (1.5 L/S/M²), AND SWINGING DOORS NO MORE THAN 0.5 CM PER SQUARE FOOT (2.6 L/S/M²), WHEN TESTED ACCORDING TO NFRC 400 OR AAMA/WDMA/CSA 101/1.5/2A440 BY AN ACCREDITED, INDEPENDENT LABORATORY AND LISTED AND LABELED BY THE MANUFACTURER.

VAPOR BARRIER TO BE ON HEATED OR LIVING SIDE IN FLOORS, WALLS AND CEILING (WHERE APPLICABLE).

FIBERGLASS SILL PLATE INSULATION TO BE USED UNDER ALL SILL PLATES, WHETHER ON CRAWL SPACE WALLS OR SLABS.

TESTING BUILDING ENVELOPE SHALL BE TESTED ACCORDING TO SECTION R402.4.1.2.

THE BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE NOT EXCEEDING THREE AIR CHANGES PER HOUR IN CLIMATE ZONES 3 THROUGH 8. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E 779 OR ASTM E 1827 AND REPORTED AT A PRESSURE OF 0.2 INCH W.G. (50 PASCALS). TESTING SHALL BE PERFORMED AT ANY TIME AFTER CREATION OF ALL.

SECTION R403 SYSTEMS
 BUILDING MECHANICAL SYSTEMS SHALL COMPLY WITH SECTION R403 OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCNY).
 EACH UNIT TO HAVE AT LEAST ONE PROGRAMMABLE THERMOSTAT FOR EACH SEPARATE HEATING AND COOLING CONTROLLING THE PRIMARY HEATING OR COOLING SYSTEM OF THE 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 DOWN TO 55°F (13°C) OR UP TO 65°F (23°C). THE THERMOSTAT SHALL INITIALLY BE PROGRAMMED BY THE MANUFACTURER WITH A HEATING TEMPERATURE SET POINT NO HIGHER THAN 70°F (21°C) AND A COOLING TEMPERATURE SET POINT NO LOWER THAN 78°F (26°C). HEAT PUMPS HAVING SUPPLEMENTARY ELECTRIC-RESISTANCE HEAT SHALL HAVE CONTROLS THAT, EXCEPT DURING DEFROST, PREVENT SUPPLEMENTAL HEAT OPERATION WHEN THE HEAT PUMP COMPRESSOR CAN MEET THE HEATING LOAD.

ALL SUPPLY AND RETURN DUCTS IN ATTICS SHALL BE INSULATED TO A MINIMUM OF R-8 WHERE 3 INCHES IN DIAMETER AND GREATER AND R-6 WHERE LESS THAN 3 INCHES IN DIAMETER.

SUPPLY AND RETURN DUCTS IN OTHER PORTIONS OF THE BUILDING SHALL BE INSULATED TO A MINIMUM OF R-6 WHERE 3 INCHES IN DIAMETER OR GREATER AND R-4.2 WHERE LESS THAN 3 INCHES IN DIAMETER.

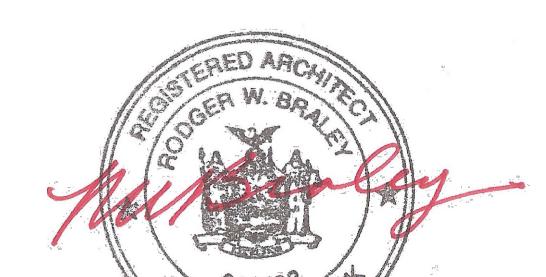
EXCEPTION: DUCTS OR PORTIONS THEREOF LOCATED COMPLETELY INSIDE THE BUILDING THERMAL ENVELOPE.

SEALING: DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH EITHER THE INTERNATIONAL MECHANICAL CODE OR INTERNATIONAL RESIDENTIAL CODE, AS APPLICABLE.

EXCEPTIONS:

- ALL R-1, IMPERMEABLE SPRAY FOAM PRODUCTS SHALL BE PERMITTED TO BE APPLIED WITHOUT ADDITIONAL JOINT SEALS.
- 2" OR DUCTS HAVING A STATIC PRESSURE CLASSIFICATION OF LESS THAN 2 INCHES OF WATER COLUMN (500 PA), ADDITIONAL CLOSURE SYSTEMS SHALL NOT BE REQUIRED FOR CONTINUOUSLY WELDED JOINTS AND SEAMS, AND LOCKING-TYPE JOINTS AND SEAMS OF OTHER THAN THE SNAP-LOCK AND BUTTON-LOCK TYPES.
- ALL DUCTS TO BE TESTED FOR LEAKAGE ACCORDING TO SECTION R403.3.3 OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCNY).
- BUILDING FRAMING CAVITIES SHALL NOT BE USED AS DUCTS OR PLenums.
- ALL DUCTS TO COMPLY WITH SECTION R403.3 OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCNY).
- ALL MECHANICAL SYSTEM PIPING INSULATION TO COMPLY WITH SECTION R403.4 OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCNY).
- SERVICE HOT WATER SYSTEMS TO COMPLY WITH SECTION R403.5 OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCNY).
- HEATED WATER CIRCULATION SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION R403.5.1.1. HEAT TRACE TEMPERATURE MAINTENANCE SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION R403.5.1.2. AUTOMATIC CONTROLS, TEMPERATURE SENSORS AND PUMPS SHALL BE ACCESSIBLE.
- MANUAL CONTROLS SHALL BE READILY ACCESSIBLE.
- R403.5.1.1 CIRCULATION SYSTEMS.
- HEATED WATER CIRCULATION SYSTEMS SHALL BE PROVIDED WITH A CIRCULATION PUMP. THE SYSTEM RETURN PIPE SHALL BE A DEDICATED RETURN PIPE OR A COLD WATER SUPPLY PIPE.
- GRAVITY AND THERMOSYSPHON CIRCULATION SYSTEMS SHALL BE PROHIBITED. CONTROLS FOR CIRCULATING HOT WATER SYSTEM PUMPS SHALL START THE PUMP BASED ON THE IDENTIFICATION OF A DEMAND FOR HOT WATER WITHIN THE OCCUPANCY. THE CONTROLS SHALL AUTOMATICALLY TURN OFF THE PUMP WHEN THE WATER IN THE CIRCULATION LOOP IS AT THE DESIRED TEMPERATURE AND WHEN THERE IS NO DEMAND FOR HOT WATER.
- R403.5.1.2 HEAT TRACE SYSTEMS.
- ELECTRIC HEAT TRACE SYSTEMS SHALL COMPLY WITH IEEE 115.1 OR UL 1515. CONTROLS FOR SUCH SYSTEMS SHALL AUTOMATICALLY ADJUST THE ENERGY INPUT TO THE HEAT TRACING TO MAINTAIN THE DESIRED WATER TEMPERATURE IN THE PIPING IN ACCORDANCE WITH THE TIMES WHEN HEATED WATER IS USED IN THE OCCUPANCY.
- MECHANICAL VENTILATION TO COMPLY WITH SECTION R403.6 OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCNY).
- R403.7 EQUIPMENT SIZING AND EFFICIENCY RATING.
- 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. NEW OR REPLACEMENT HEATING AND COOLING EQUIPMENT SHALL HAVE AN EFFICIENCY RATING EQUAL TO OR GREATER THAN THE MINIMUM REQUIRED BY FEDERAL LAW FOR THE GEOGRAPHIC LOCATION WHERE THE EQUIPMENT IS INSTALLED.
- R403.8 SYSTEMS SERVING MULTIPLE DWELLING UNITS.
- SYSTEMS SERVING MULTIPLE DWELLING UNITS SHALL COMPLY WITH SECTIONS C403 AND C404 OF THE ECCNY - COMMERCIAL PROVISIONS IN LIEU OF SECTION R403.
- R403.9 SNOW MELT AND ICE SYSTEM CONTROLS.
- SNOW- AND ICE-MELTING SYSTEMS, SUPPLIED THROUGH ENERGY SERVICE TO THE BUILDING, SHALL INCLUDE AUTOMATIC CONTROLS CAPABLE OF SHUTTING OFF THE SYSTEM WHEN THE PAVEMENT TEMPERATURE IS ABOVE 50°F (10°C), AND NO PRECIPITATION IS FALLING AND AN AUTOMATIC OR MANUAL CONTROL THAT WILL ALLOW SHUTOFF WHEN THE OUTDOOR TEMPERATURE IS ABOVE 40°F (4.8°C).
- SECTION R404 ELECTRICAL POWER AND LIGHTING SYSTEMS.
- A MINIMUM OF 90 PERCENT OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICIENCY LAMPS.
- FUEL GAS SYSTEMS SHALL NOT HAVE CONTINUOUSLY BURNING PILOT LIGHTS.
- IN ALL BUILDINGS HAVING INDIVIDUAL DWELLING UNITS, PROVISIONS SHALL BE MADE TO DETERMINE THE ELECTRICAL ENERGY CONSUMED BY EACH UNIT BY SEPARATELY METERING OR MONITORING INDIVIDUAL DWELLING UNITS.

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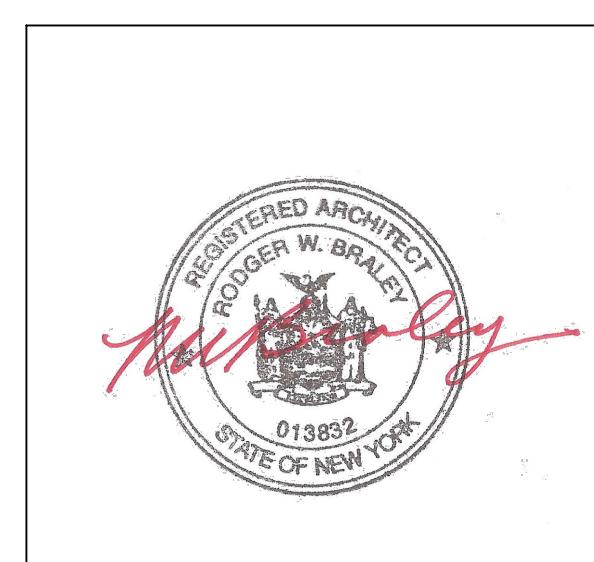
DESCRIPTION:
PL-01
 SCALE AS NOTED

PROJECT:
 17 Sterling Forest Ln.
 Montebello
 Rockland County, New York

Proposed New Addition For:
 Proposed New Addition For:
 17 Sterling Forest Ln.
 Montebello
 Rockland County, New York

DRAWN BY: Shlome Glauber
DATE: 7/15/2024
DATE: 8/2/2024
DATE: 8/28/2024
DATE: 1/13/2025
DATE: 12/4/2025

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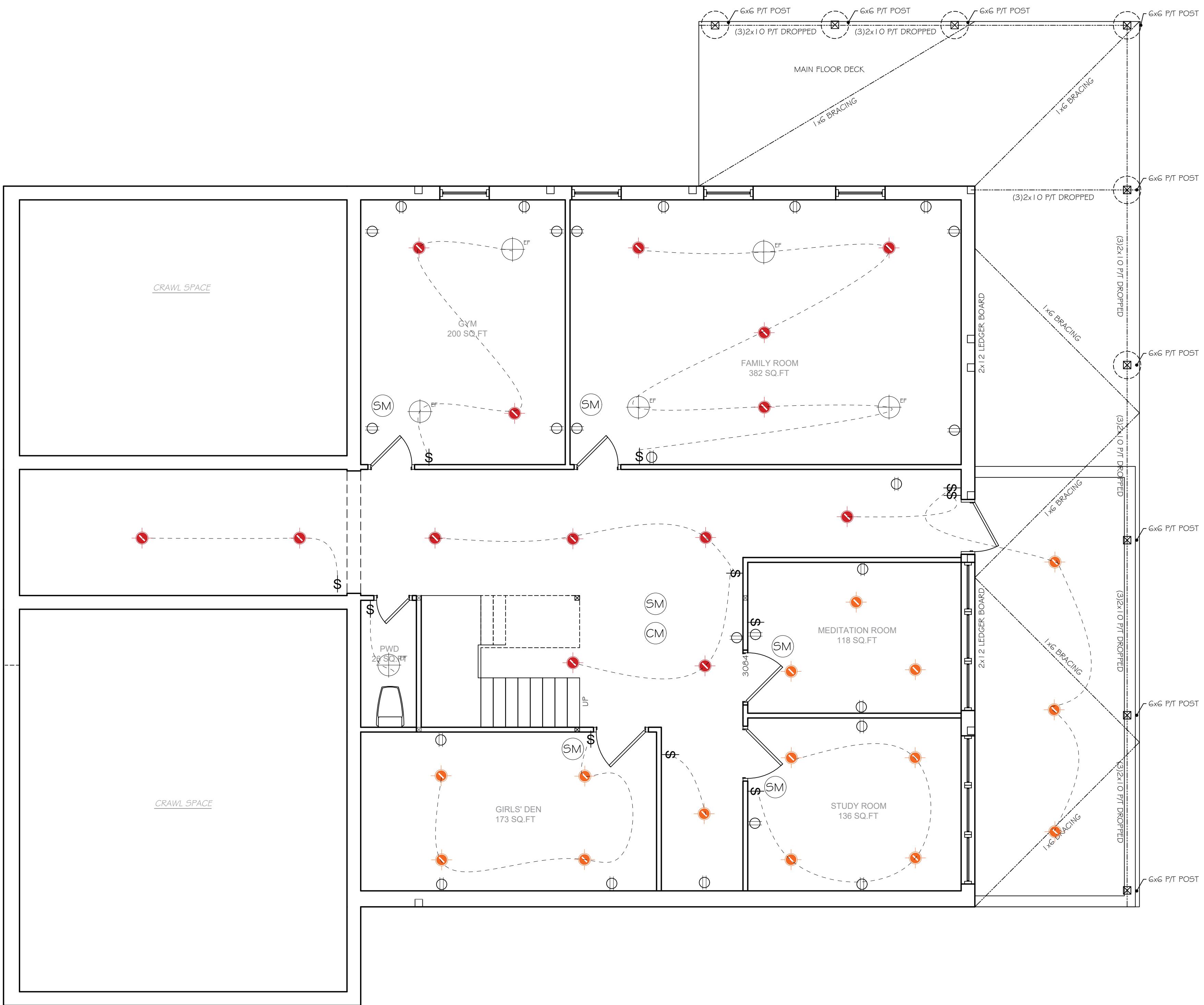

ELECTRICAL SYMBOLS LEGEND

- A 12 WATT LED BULB OR EQUIVALENT
- A 8 WATT LED BULB OR EQUIVALENT
- A 20 WATT LED BULB OR EQUIVALENT
- COMBINATION EXHAUST FAN / LIGHT (8W LED) - DIRECTLY VENTED TO EXTERIOR, MIN. 48" FROM WINDOW OR OPENING
- DUPLEX RECEPTACLE OUTLET
- GFI GROUND FAULT PROTECTION RECEPTACLE OR CIRCUIT
- \$ LIGHT SWITCH
- SM SMOKE DETECTOR INTERCONNECTED
- CM CARBON MONOXIDE DETECTOR INTERCONNECTED

LED Wattage Calculation (for Ambient Lighting)
 Assuming 20 lumens/sq. ft. for ambient lighting and 100 lumens/watt for LED lights:

	12W BULB	8W BULB	12W TOTAL BULB	EF+B	WATT
GYM	(200sq. ft. x 20) ÷ 100 = 40	2	0	2	48
MEDITATION ROOM	(118sq. ft. x 20) ÷ 100 = 23.6	0	3	4	48
STUDY ROOM	(136sq. ft. x 20) ÷ 100 = 27.2	0	4	0	24
FAMILY ROOM	(382sq. ft. x 20) ÷ 100 = 76.4	4	0	0	32
	12W	20W	12W	TOTAL	
DINING (double height)	(504 sq. ft. x 20) ÷ 100 = 100.8 x 2 = 201.6	0	10	0	200
LIVING (double height)	(504 sq. ft. x 20) ÷ 100 = 100.8 x 2 = 201.6	0	11	0	210
PLAYROOM	(166 sq. ft. x 20) ÷ 100 = 33.2	3	0	0	36
KITCHEN	(397 sq. ft. x 20) ÷ 100 = 79.4	7	0	0	84
DINETTE	(249 sq. ft. x 20) ÷ 100 = 49.8	4	0	0	48
OFFICE	(161 sq. ft. x 20) ÷ 100 = 32.2	3	0	0	36
MASTER BED	(255 sq. ft. x 20) ÷ 100 = 51	4	0	0	48
MASTER LOUNGE	(144 sq. ft. x 20) ÷ 100 = 28.8	3	0	0	36
BEDROOM 2	(84 sq. ft. x 20) ÷ 100 = 16.8	2	0	0	24
BEDROOM 3	(104 sq. ft. x 20) ÷ 100 = 20.8	2	0	0	24
BEDROOM 4	(123 sq. ft. x 20) ÷ 100 = 24.6	2	0	0	24
BEDROOM 5	(105 sq. ft. x 20) ÷ 100 = 21	2	0	0	24
LAUNDRY	(50 sq. ft. x 20) ÷ 100 = 10	1	0	0	12

LIGHT AND VENT CALCULATIONS					
ROOM	SF	LIGHT REQUIRED	LIGHT PROVIDED	VENT REQUIRED	VENT PROVIDED
BASEMENT					
GYM	197	15.76	5.4*	7.88	6.2*
FAMILY ROOM	382	30.56	16.2*	15.28	18.6**
MEDITATION ROOM	118	4.72	56.25	9.44	61.33
STUDY ROOM	136	10.88	56.25	5.44	61.33
GROUND FLOOR					
DINING/ LIVING/ PLAYROOM	1174	93.9	874	46.9	70.6
KITCHEN / DINETTE	646	51.7	177.8	25.8	69.8
OFFICE	161	12.88	52	6.44	53.16
FIRST FLOOR					
MASTER BEDROOM	255	20.4	111.5	10.2	119
MASTER LIVING	144	11.52	57	5.76	12.1
BEDROOM #2	84	6.7	6.83	3.4	7.76
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BASEMENT FLOOR ELECTRIC PLAN

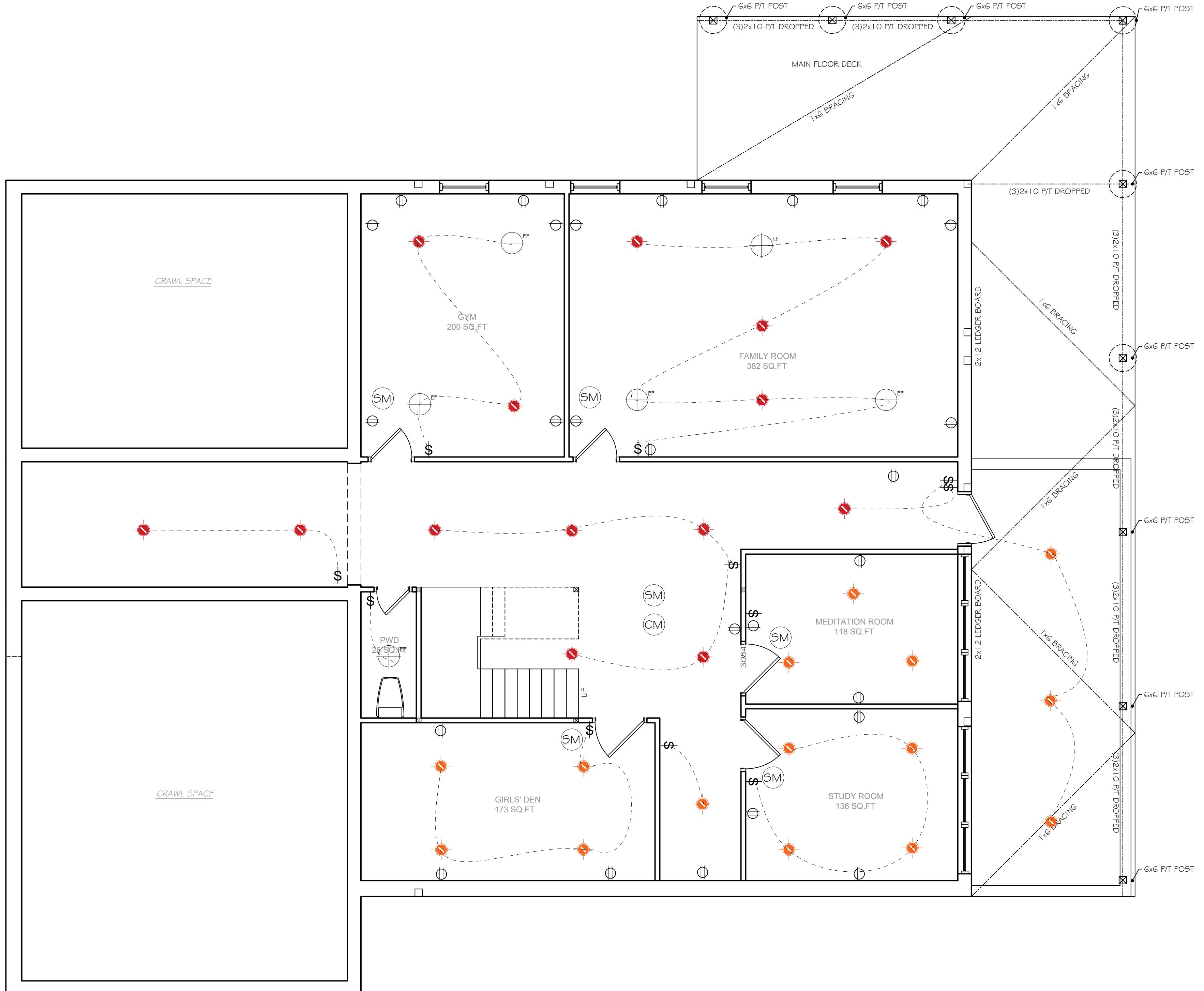
SCALE: 1/4" = 1' 0"

BASEMENT FLOOR ELECTRIC PLAN

SCALE: 1/4" = 1' 0"

DESCRIPTION:
E-101
 SCALE AS NOTED

PROJECT:
 Proposed New Addition For:
17 Sterling Forest Ln.
 Montebello
 Rockland County, New York



BASEMENT FLOOR ELECTRIC PLAN

SCALE: 1/4" = 1' 0"

ELECTRICAL SYMBOLS LEGEND

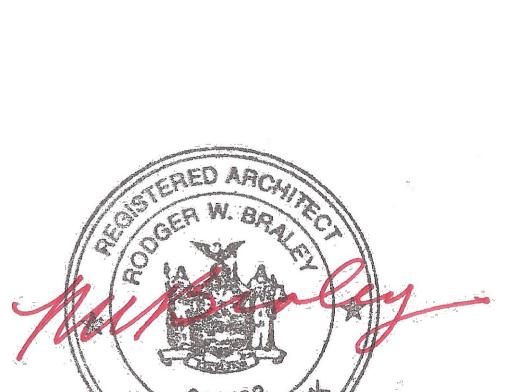
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DESCRIPTION:

E-102

SCALE | AS NOTED

GENERAL NOTES

ALL WORK SHALL BE IN ACCORDANCE WITH ALL PREVAILING CODES, LAWS AND ORDINANCES OF THE 2020 BUILDING & ENERGY CONSERVATION CODES OF NY, AND THE LOCAL ZONING LAWS OF WHICH THE PROJECT IS LOCATED.
 THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CARRY PRIOR, DURING AND AFTER CONSTRUCTION ALL NECESSARY LICENSES AND INSURANCES PER THE N.Y.S. LOCAL, AND ALL GOVERNING REGULATIONS.
 THE OWNER SHOULD READ AND REVIEW HIS/HER ENTIRE SET OF CONTRACT DOCUMENTS (PLANS & SPECIFICATIONS) PROVIDED GIVING THE CONTRACTOR OWNER SHALL CONFIRM THAT ALL INFORMATION IS CORRECT, SHOULD THE OWNER NOT UNDERSTAND WHAT IS/WHAT THEY INTENDED TO BE DONE, THEY SHALL HAVE THE ARCHITECT AND/OR ENGINEER REQUIRED.
 THE ARCHITECT IS NOT RESPONSIBLE FOR CONSTRUCTION, AND OR PROJECT SITE. THE GENERAL PUBLIC, PROSPECTIVE BUYERS AND ALL OTHER NON-CONSTRUCTION RELATED PERSONS ARE NOT TO ENTER THE CONSTRUCTION WORK AREA UNTIL A VALID CERTIFICATE OF OCCUPANCY IS ISSUED BY THE LOCAL BUILDING DEPARTMENT.
 THE PROJECT SITE SHALL BE PROPERLY POSTED AND TAPE'D AND OR FENCED OFF TO ENSURE PUBLIC SAFETY AND SAFEGUARD THE PUBLIC AT ALL TIMES. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND FAMILIARIZE HIMSELF WITH THE CONTRACT DOCUMENTS (PLANS & SPECIFICATIONS) PRIOR TO ANY ERECTION/CONSTRUCTION.
 ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES, ERRORS OR OMISSIONS TO THE ARCHITECT IMMEDIATELY. ALWAYS USE DIMENSIONS AS SHOWN AND THE CONTRACTOR SHOULD REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT.
 DRAWINGS ARE NOT TO BE SCALED.
 ALL CHANGES MADE BY THE CONTRACTOR SHALL FIRST BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO STARTING WITH THE WORK INVOLVED. ANY UNAUTHORIZED CHANGES MADE BY THE CONTRACTOR AND ULTIMATELY NOT BEING APPROVED BY THE OWNER AND ARCHITECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND TO BE CORRECTED AT HIS OWN EXPENSE.
 THE ARCHITECT HAS NOT BEEN RETAINED FOR ANY MECHANICAL DESIGN SYSTEMS, DUCTS, CHASE OPENINGS, SIZE OF FURNACE AND FRESH AIR REQUIREMENTS ETC. THESE ARE NOT SHOWN AND SHALL BE DETERMINED BY A MECHANICAL ENGINEER PRIOR TO COMMENCING THE WORK.
 THE ARCHITECT HAS NOT BEEN RETAINED FOR SUPERVISION, AND CONSTRUCTION INSPECTIONS AND/OR THE REVIEW OF SHOP DRAWINGS. THE ARCHITECT HAS ONLY BEEN RETAINED FOR DESIGN PURPOSES. THEREFORE, THE ARCHITECT ASSUMES NO LIABILITY FOR WORKMANSHIP, CODE OR PLAN COMPLIANCE. THE ARCHITECT'S RESPONSIBILITY IS STRICTLY LIMITED TO THESE PLANS AND RELATED SPECIFICATIONS ONLY.
 THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION MEANS, METHODS, DEVIATIONS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR ANY SAFETY PRECAUTIONS AND PROGRAM IN CONNECTION WITH THE WORK, FOR THE OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CALL OUT THE WORK, OR ADHERE TO THESE DOCUMENTS. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY DUSCOST STRUCTURES AND OR ANY UNFORESEEN PROBLEMS PROD TO NEW CONSTRUCTION, NEW CONSTRUCTION, OPERATION AND METHODS.

ALL AREAS THAT ARE AFFECTED BY ALL ADDITIONS SHALL BE REPAVED AND OR PATCHED TO A LIKE NEW CONDITION, UNLESS NOTED OTHERWISE.
 THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS BY THE LOCAL AND STATE AS REQUIRED AND TO DELIVER TO THE OWNER A.C.O. UPON COMPLETION OF THE PROJECT.
 THE CONTRACTOR SHALL PROVIDE A CONTAINER FOR THE REMOVAL OF DEBRIS DURING CONSTRUCTION.
 THE CONTRACTOR AND ALL SUBCONTRACTORS WORKING WITH THIS PROJECT SHALL KEEP THE SITE CLEAN AND HAZARD FREE AT ALL TIMES AND TO OBEIDE ALL 'OSHA' AND ALL OTHER SAFETY REGULATIONS.
 THE CONTRACTOR SHALL LEAVE PREMISES BROOM CLEAN DAILY.
 THE CONTRACTOR SHALL GUARANTEE ALL WORK SPECIFIED AND/OR DESCRIBED BY THESE DRAWINGS AND IS TO FOLLOW ALL NATIONALLY ACCEPTED TRADE PRACTICES.

SITE NOTES

THESE PLANS ARE BASED ACCORDING TO THE SURVEY INFORMATION PROVIDED BY A LICENSED LAND SURVEYOR OR AND ENGINEER TO VERIFY ALL BUILDING LINES, AND SET BACKS PRIOR TO CONSTRUCTION.
 THE ELEVATION SHOWN ON THE PLAN MAY NOT BE ACCURATE IN EVERY DETAIL, THE CONTRACTOR SHALL REVIEW THE PLANS WITH THE CONTRACTOR TO INSURE ACCURACY OF DEPTH AND METRICS PROVIDED BY THE CONTRACTOR.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES, AND VERIFYING THE LOCATION OF THE SAME UTILITY COMPANIES LINES, SERVICES AND ALL OTHER POSSIBLE EQUIPMENTS OF UTILITY COMPANIES. THE CONTRACTOR SHALL LOCATE AND IDENTIFY THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES, AND PROVIDE UNDERGROUND CONNECTIONS TO THEM. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY GROUND WATER, EXCESSIVE ORGANIC MATERIAL OR ANY OTHER UNSUITABLE CONDITIONS DISCOVERED DURING SITE PREPARATION AND OR EXCAVATION. THE CONTRACTOR SHALL PROVIDE ONE PROPERLY MAINTAINED, PORTABLE TOILET FOR THE ENTIRE DURATION OF THE CONSTRUCTION.
 THE CONTRACTOR SHALL PROVIDE FROM A REGISTERED LAND SURVEYOR A WRITTEN CERTIFICATE THAT THE LOWEST PORTION OF THE FIRST FLOOR MEET OR EXCEED THE REQUIRED FLOOD ELEVATION.
 ALL DRIVEWAYS AND WALKWAYS FORM WORK SHALL BE APPROVED BY DEVELOPMENT REVIEW REPRESENTATIVE BEFORE ANY WORK CONTINUES. THE CONTRACTOR SHALL REMOVE AND DISPOSE ALL RUBBISH, VEGETATION, STUMPS, ROOTS, AND TREES AS SHOWN ON THE PLANS.
 ALL AREAS TO BE COVERED WITH FILL AND GRADED DOWN.

THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES SHOWN TO REMAIN AS REQUIRED.
 EXTREME CAUTION SHALL BE TAKEN DURING DEMOLITION OF EXISTING BUILDINGS. THE CONTRACTOR SHALL OBSERVE ANY VARIATIONS AND OR ANY UNFORESEEN DISCREPANCIES WITH THE PLANS, AND SHOULD REPORT IMMEDIATELY TO THE ARCHITECT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, BRACING AND ALL TEMPORARY SUPPORTS PRIOR TO REMOVING THE EXISTING WALLS, CEILINGS, FLOORS AND ROOFS AS PER ALL LOCAL AND OSHA REGULATIONS.
 THE CONTRACTOR SHALL PROVIDE WEATHERPROOFING AT THE END OF EACH WORK DAY AS REQUIRED TO PREVENT WEATHER DAMAGE. THE ARCHITECT IS NOT RESPONSIBLE FOR FROZEN PIPES AND/OR MOLD CONDITIONS CREATED BY THE CONTRACTORS NEGLIGENCE.
 BACKFILL SHALL NOT BE PLACED UNTIL THE MAIN FLOOR SYSTEM AND BASEMENT CONCRETE INTERIOR FLOOR SLABS ARE INSTALLED. FOOTING DRAINS SHALL BE PROVIDED AS SHOWN AND APPROPRIATE. THEY SHOULD BE LAID IN GRAVEL BED AND PROTECTED AT THE TOP WITH FILTER FABRIC AND 6' OF 11/2" GRAVEL AROUND & PROVIDE POSITIVE OUTFALL TO A STORM DRAIN OR DRY WELL.

THE FINISHED GRADE AND DRIVEWAY SHOULD BE PITCHED AWAY FROM THE BULDING SUCH THAT ALL THE SURFACE WATER FLOWS AWAY FROM BUILDING. THE FINISHED GRADE HEIGHT SHALL BE A MINIMUM OF 6' BELOW THE ADJACENT FRAMING OR AS INDICATED ON PLANS.
 THE TOP OF ANY FOUNDATION SHALL EXTERE ABOVE THE ELEVATION OF THE STREET CUTTER AT POINT OF DISCHARGE OR THE INLET OF AN APPROVED DRAINAGE DEVICE A MINIMUM OF 12" PLUS 2 PERCENT.
 INSTALLATION OF GAS AND ELECTRIC METERS SHOULD BE IN STRICT ACCORDANCE WITH THE LOCAL UTILITY COMPANY SPECIFICATIONS.

FOUNDATION NOTES

IT'S THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK AND COORDINATE DIMENSIONS BETWEEN FOUNDATION AND FLOOR PLANS PRIOR TO CONSTRUCTION. ALL EXCAVATIONS SHOULD BE SUBSTANTIALLY FREE OF WATER DURING FOUNDATION CONSTRUCTION WORK.
 2 KIPS/SQ. FT. (2000).
 ALL STRUCTURAL CONCRETE SHALL BE A STONE CONCRETE WITH A 1:3:5 MIX AND HAVE A MINIMUM STRENGTH OF 3,500 PSI AT THE END OF 28 DAYS.
 ALL FOOTINGS TO REST ON UNDISTURBED SOIL CAPABLE OF SUPPORTING 2 TONS PER SQ. FT.
 REFERENCE THE PLANS FOR SIZE AND QUANTITY OF REINFORCING BARS.
 ALL FOOTINGS SHALL BE BELOW THE FINISHED GRADE MINIMUM OF 3'-6" IN ROCKLAND COUNTY OR OTHERWISE SHOWN ON THE PLAN.
 PROVIDE EXPANSION JOINTS AT PERIMETERS OF ALL CONCRETE SLABS.
 ALL INTERIOR FOOTINGS SHALL STEP DOWN TO PERIMETER WALL FOOTING DEPTH AT ALL FOOTING INTERSECTIONS.
 ALL SUB GRADE FILL MATERIAL SHALL BE COMPACTED TO A DENSITY OF 96%. ALL CONCRETE SLABS SHALL BE A MINIMUM OF 4" ? THICK - REINFORCED WITH 6x6/10x10 WELDED MESH RE 6 MIL VAPOR BARRIER ON 4" OF 3/4" GRAVEL, UNLESS SHOWN OTHERWISE AND TO RECEIVE A SMOOTH FINISH.
 ALL CONCRETE PAVING SHALL RECEIVE A FINE BURNISH UNLESS SHOWN OTHERWISE. ALL CONCRETE SLABS SHALL RECEIVE CONTROL JOINTS (1/2" SAW CUTS) AT A MAXIMUM OF 25'X25' TO CONTROL CRACKING WITH SHRINKAGE.
 SLOPE OF CONCRETE SLABS TO DRAIN TO EXTERIOR SLOPES IN GARAGES SHALL BE A MINIMUM OF 1/8"-1/6" UNLESS SHOWN OTHERWISE.
 MASS CONCRETE CONCRETE SHALL INSTALL ALL ANCHOR BOLTS, PLATES, CHASSIS, SLOP SLEEVES ETC. AS REQUIRED BY TRADES.
 CAULK HEAVIER TIGHT ALL OPENINGS.
 EXTERIOR OF THE CONCRETE WALLS TO BE COATED WITH RUB-R-WALL COATING OR EQUAL.
 INTERIOR COLUMNS TO BE 4" DIAM. STANDARD STEEL - PROVIDE BASE & TOP PLATES.
 INTERIOR COLUMNS OVER 9'-0" IN HEIGHT TO BE 5" DIAM. STANDARD STEEL COLUMNS.
 EXTREME CAUTION TO BE USED IN DELIVERY OF THE STEEL COLUMNS. MUST NOT BE DROPPED AT ANY TIME.
 DOWELS MUST BE TIED INTO FOOTING RE-BARS PRIOR TO POURING FOOTINGS.
 CONCRETE AIR-ENTRAINED TO NOT LESS THAN 5% OR NO MORE THAN 7% WHERE REQUIRED.
 FOUNDATION ANCHOR BOLTS SHALL BE LOCATED IN THE MIDDLE THIRD OF WIDTH OF SILL > AND SUPPLIED WITH NUT & WASHER TIGHTENED TO EACH BOLT

DOOR & WINDOW NOTES

ALL WINDOWS AND EXTERIOR DOORS SHALL COMPLY WITH THE ENERGY CONSERVATION CODE OF N.Y.S. AND FOR THE COUNTY THIS PROJECT IS LOCATED.
 ALL DOORS SHALL CONFORM TO THE STATE CODE SIZE REQUIREMENTS.
 WINDOW SCHEDULE IS FOR DESIGN INTENT ONLY. THE CONTRACTOR SHALL VERIFY WITH OWNER ALL WINDOWS, DOOR, AND ADDITIONAL OPTIONS SUCH AS, COLOR, HARDWARE PRIOR TO ORDERING.
 ALL WINDOWS AND DOORS SHALL BE INSTALLED WITH STRICT ACCORDANCE TO THEIR PARTICULAR MANUFACTURERS SPECIFICATIONS AND TO VERIFY WINDOW ROUGH OPENINGS WITH THE MANUFACTURER.
 ALL HEADER HEIGHTS TO BE 6'-9" ABOVE THE FINISHED FLOOR, UNLESS NOTED OTHERWISE.
 ALL WINDOWS IN HABITABLE SPACES SHALL COMPLY WITH THE RESIDENTIAL CODE OF THE N.Y.S. EGRESS REQUIREMENTS. THESE WINDOWS SHALL HAVE A SILL HEIGHT OF NOT GREATER THAN 44" ABOVE FINISHED FLOOR. THESE WINDOWS SHALL HAVE A MIN. OF 5.7 SQ. FT. CLEAR OPENING AND 10.3 SQ. FT. OF GLASS AREA FOR NATURAL LIGHT.
 AT ALL EGRESS BASEMENT WINDOWS THAT ARE BELOW THE FINISHED GRADE SHALL BE PROVIDED WITH AN APPROVED WINDOW WELL AND DRAINAGE AS PER THE N.Y.S. AND LOCAL CODES.
 THE PLUMBING CONTRACTOR SHALL PROVIDE SHOWER PANS UNDER CLOTHES WASHER WITH A DRAIN CONNECTED TO THE WASTE PLUMBING SYSTEM.
 THE PLUMBING CONTRACTOR SHALL PROVIDE WHOLE HOUSE BACK-FLOW PREVENTION VALVES AND ADEQUATE CLEAN-OUTS AS REQUIRED BY CODE.
 PROVIDE 12"x12" ACCESS PANEL TO WHIRLPOOL TUB MOTOR AND SIMILAR EQUIPMENT.
 THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL EQUIPMENT FLUES AS REQUIRED BY THE RESIDENTIAL CODE OF N.Y.S.
 ALL HOSE BIBS SHALL BE FREEZE PROOF TYPE.
 LOCATIONS AND QUANTITY SHALL BE AS PER OWNERS INSTRUCTIONS.
 UNLESS SHOWN OTHERWISE A MINIMUM OF TWO (2) HOSE BIBS SHALL BE PROVIDED; ONE (1) LOCATED AT THE FRONT AND ONE (1) LOCATED AT REAR

PUMBING NOTES

ALL PLUMBING WORK EQUIPMENT AND FIXTURES SHALL BE PLACED AND INSTALLED PER THE 2020 PLUMBING CODE OF NEW YORK STATE AND INDUSTRY STANDARDS.
 THE CONTRACTOR SHALL VERIFY WITH THE OWNER ALL FIXTURES, MODELS, COLORS ETC. PRIOR TO ORDERING INSTALL.
 IRON PIPING UNDER ALL CONCRETE SLABS. GAS LINES TO BE GROUNDED TO BLACK PIPE AT SERVICE ENTRY VENT STACK SHALL EXTEND ABOVE ROOF 18" OF 12" ABOVE AVG SNOWWALL.
 THE PLUMBING CONTRACTOR SHALL PROVIDE DRYER VENTS AS PER THE RESIDENTIAL CODE OF N.Y.S.
 THE PLUMBING CONTRACTOR SHALL NOT DRILL OR CUT ANY STRUCTURAL GIRDERS, HEADERS, BEAMS WITHOUT PRIOR CONSENT FROM THE ARCHITECT.
 DRILLING AND CUTTING OF FLOOR JOISTS SHALL BE IN STRICT ACCORDANCE WITH THE CODE AND/OR SAID JOIST MANUFACTURERS SPECIFICATIONS.
 THE PLUMBING CONTRACTOR SHALL VERIFY FIXTURE AND PIPE LOCATIONS WITH OTHER TRADES INVOLVED IN THIS JOB PRIOR TO INSTALLATION.
 THE PLUMBING CONTRACTOR SHALL PROVIDE SHOWER PANS UNDER CLOTHES WASHER WITH A DRAIN CONNECTED TO THE WASTE PLUMBING SYSTEM.
 THE PLUMBING CONTRACTOR SHALL PROVIDE WHOLE HOUSE BACK-FLOW PREVENTION VALVES AND ADEQUATE CLEAN-OUTS AS REQUIRED BY CODE.
 PROVIDE 12"x12" ACCESS PANEL TO WHIRLPOOL TUB MOTOR AND SIMILAR EQUIPMENT.
 THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL EQUIPMENT FLUES AS REQUIRED BY THE RESIDENTIAL CODE OF N.Y.S.
 ALL HOSE BIBS SHALL BE FREEZE PROOF TYPE.
 LOCATIONS AND QUANTITY SHALL BE AS PER OWNERS INSTRUCTIONS.
 UNLESS SHOWN OTHERWISE A MINIMUM OF TWO (2) HOSE BIBS SHALL BE PROVIDED; ONE (1) LOCATED AT THE FRONT AND ONE (1) LOCATED AT REAR

FLOOR JOIST SPANS FOR COMMON LUMBER SPECIES
(RESIDENTIAL SLEEPING AREAS, LIVE LOAD=30 psf, L/Δ =360)

JOIST SPACING (inches)	SPECIES AND GRADE	DEAD LOAD = 10 psf						DEAD LOAD = 20 psf					
		(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)
12	Douglas Fir-Larch	#2	11-10	15-7	19-10	23-4	11-8	14-9	18-0	20-11			
	Hem-Fir	#2	11-0	14-6	18-6	22-6	11-0	14-4	17-6	20-4			
	Spruce-Pine-Fir	#2	11-3	14-11	19-0	23-0	11-3	14-7	17-9	20-7			
16	Douglas Fir-Larch	#1	10-11	14-5	18-5	21-4	10-8	13-6	16-5	19-1			
	Douglas Fir-Larch	#2	10-9	14-2	17-5	20-3	10-1	12-9	15-7	18-1			
	Hem-Fir	#1	10-6	13-10	17-8	21-1	10-6	13-4	16-3	18-10			
19.2	Hem-Fir	#2	10-0	13-2	18-10	19-8	9-10	12-5	15-2	17-7			
	Spruce-Pine-Fir	#1	10-3	13-6	17-2	19-11	9-11	12-7	15-5	17-10			
	Spruce-Pine-Fir	#2	10-3	13-6	17-2	19-11	9-11	12-7	15-5	17-10			
24	Douglas Fir-Larch	#2	9-3	11-8	14-3	16-6	8-3	10-5	12-9	14-9			
	Hem-Fir	#2	8-9	11-4	13-10	16-1	8-0	10-2	12-5	14-4			
	Spruce-Pine-Fir	#2	8-11	11-6	14-1	16-3	8-1	10-3	12-7	14-7			

NOTE: CHECK SOURCES FOR AVAILABILITY OF LUMBER IN LENGTHS GREATER THAN 20 FEET.

TABLE R502.3.1(2)
FLOOR JOIST SPANS FOR COMMON LUMBER SPECIES
(RESIDENTIAL LIVING AREAS, LIVE LOAD=40 psf, L/Δ =360)

JOIST SPACING (inches)	SPECIES AND GRADE	DEAD LOAD = 10 psf						DEAD LOAD = 20 psf					
		(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)	(ft.-in.)
12	Douglas Fir-Larch	#2	10-9	14-2	18-0	20-11	10-8	13-6	16-5	19-1			
	Hem-Fir	#2	10-0	13-2	16-10	20-4	10-0	13-1	16-0	18-6			
	Spruce-Pine-Fir	#2	10-3	13-6	17-3	20-7	10-3	13-3	16-3	18-10			
16	Douglas Fir-Larch	#1	9-11	13-1	16-5	19-1	9-8	12-4	15-0	17-5			
	Douglas Fir-Larch	#2	9-9	12-9	15-7	18-1	9-3	11-8	14-3	16-6			
	Hem-Fir	#1	9-6	12-7	16-0	18-10							