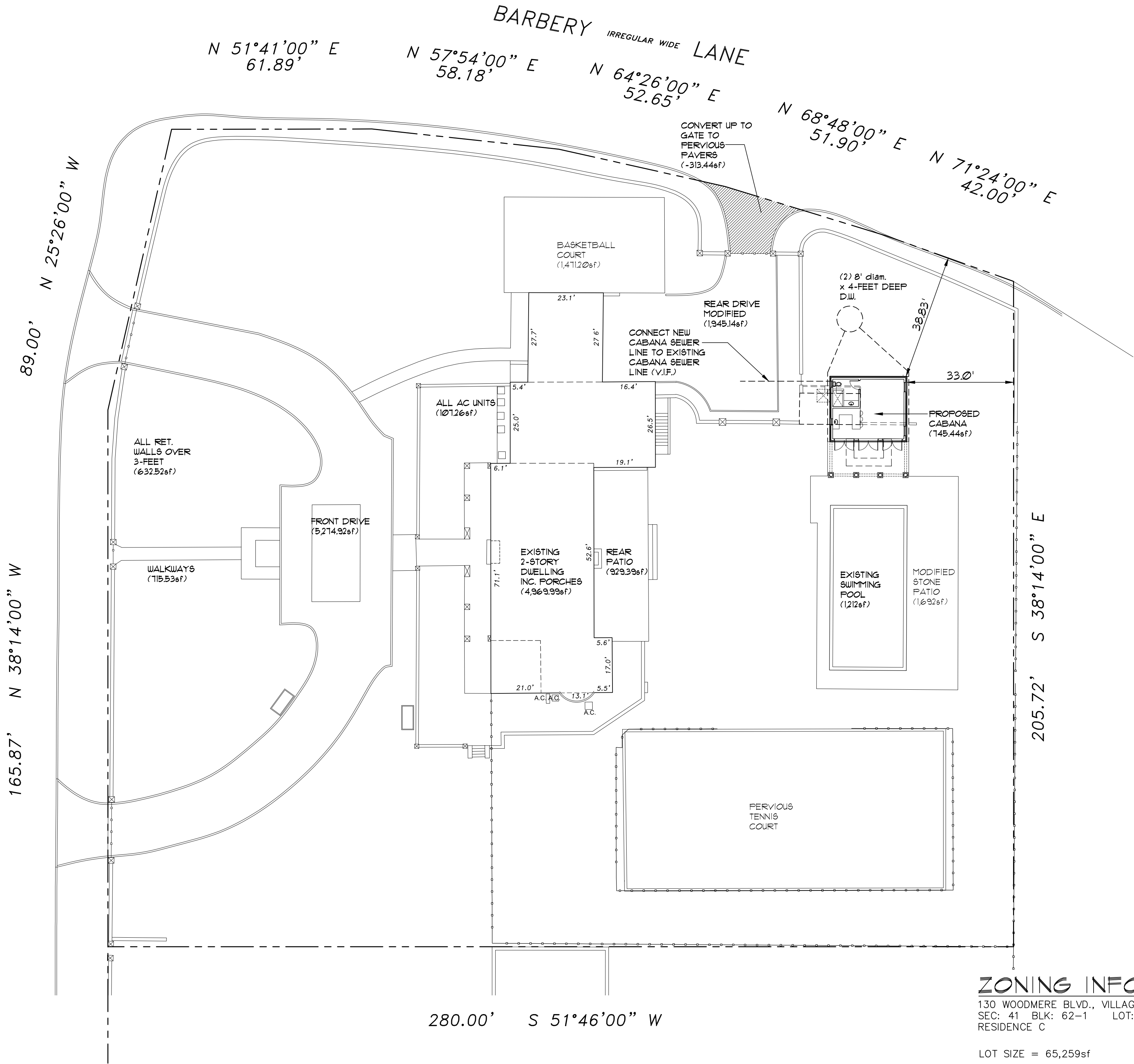
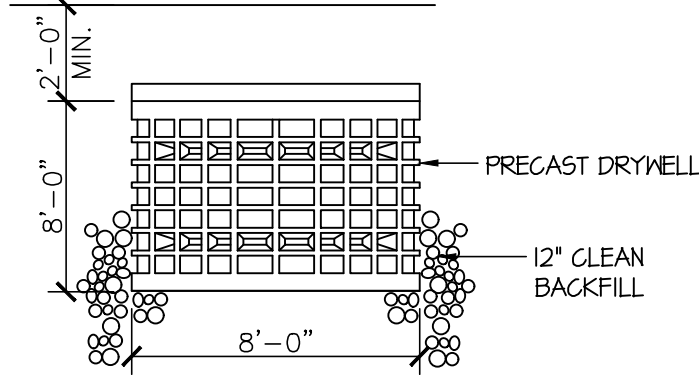


WOODMERE IRREGULAR WIDE BOULEVARD



DRYWELL COMPUTATIONS

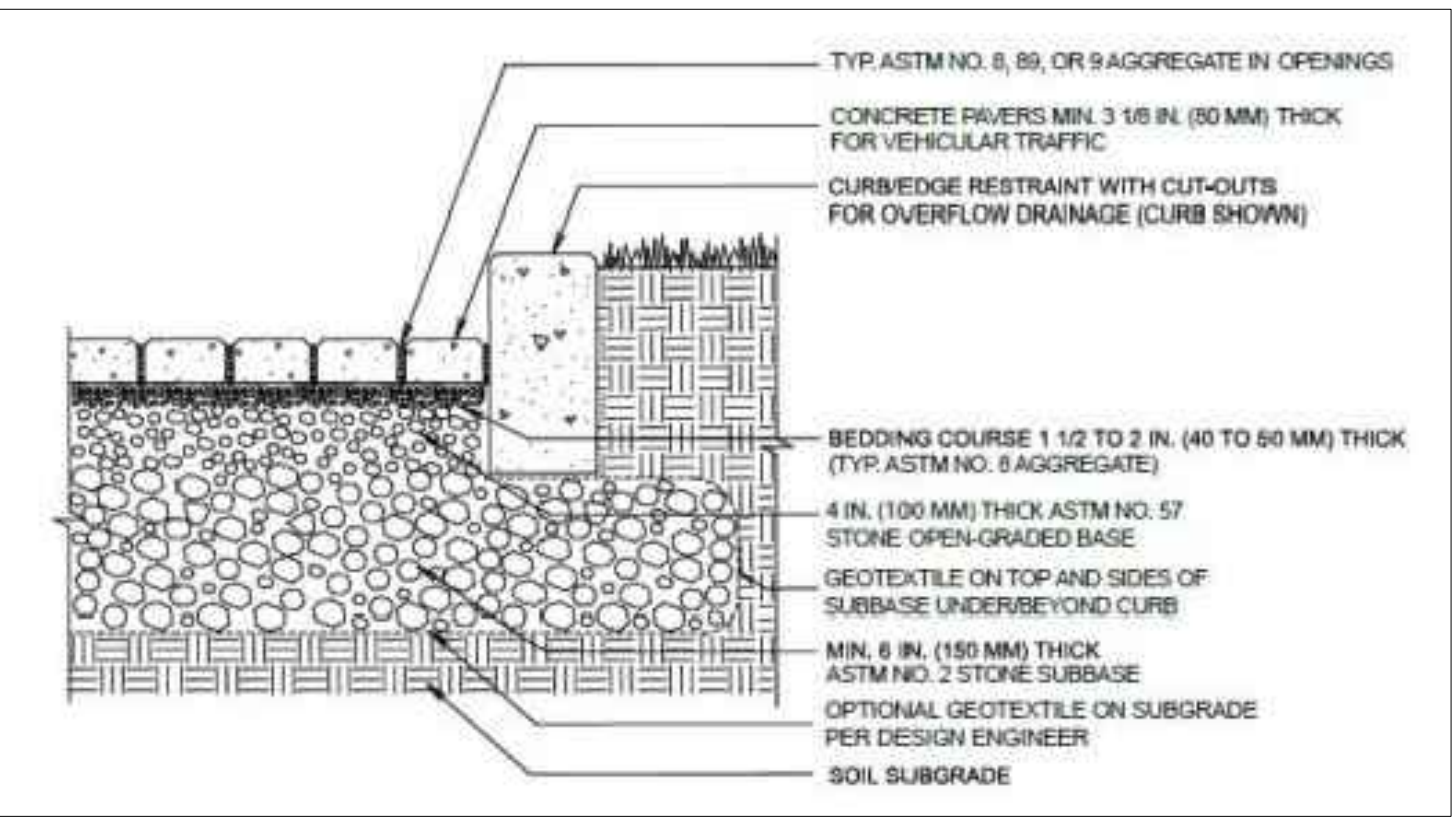
NEW CABANA = 746 SQ. FT.  
146 X .42" (5') RAINFALL = 313.32 CU. FT. RAINFALL  
CAPACITY OF 8'-0 DIA. = 42.24 CU. FT. / FT.  
313.32/42.24 = 1.42 EFFECTIVE DEPTH REQUIRED  
USE (2) 8'-0 DIA. X 4'-0 DEEP PRECAST DRYWELLS  
AS SHOWN ON PLANS



PRECAST DRYWELL STRUCTURES SHALL MEET OR EXCEED SUFFOLK COUNTY DEPARTMENT OF HEALTH STANDARDS

DRYWELL DETAIL

NTS



PERVIOUS PAYER EXAMPLE

ZONING INFORMATION

130 WOODMERE BLVD., VILLAGE of HEWLETT NECK, NY  
SEC: 41 BLK: 62-1 LOT: 329  
RESIDENCE C

LOT SIZE = 65,259sf

ACCESSORY BUILDING ZONING REQUIREMENTS:

| ITEM        | REQUIRED | PROPOSED |
|-------------|----------|----------|
| STREET LINE | 30.0'    | 33.83'   |
| SIDE YARD   | 20.0'    | 33.0'    |
| REAR YARD   | 20.0'    | 33.0'    |
| HEIGHT      | 15.0'    | 15.0'    |

LOT COVERAGE: (STRUCTURES OVER 3')

MAX. ALLOWED = 4,500sf

|                 |          |
|-----------------|----------|
| EXISTING:       |          |
| HOUSE/PORCHES   | 4,969.99 |
| EXISTING CABANA | 189.13   |
| BBQ ISLAND      | 63.50    |
| WALLS 3+        | 632.52   |

|                |                              |
|----------------|------------------------------|
| TOTAL EXISTING | 5,855.14sf (1,355.14sf OVER) |
|----------------|------------------------------|

|                 |          |
|-----------------|----------|
| PROPOSED:       |          |
| HOUSE/PORCHES   | 4,969.99 |
| PROPOSED CABANA | 745.44   |
| WALLS 3+        | 632.52   |

|                 |  |
|-----------------|--|
| TOTAL PROPOSED: | 6,347.95sf (1,847.95sf OVER ALLOWABLE) |
|-----------------|--|

MAX. IMPERVIOUS COVERAGE:

MAX. ALLOWED = 16,816.8sf (11,260sf + 65,259 - 40,001 = 25,258 \* 22% = 5,556.8sf)

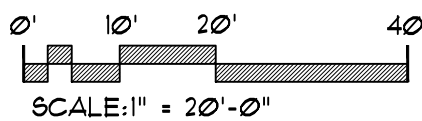
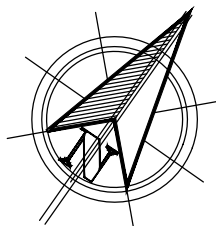
|                      |          |
|----------------------|----------|
| EXISTING: (SF)       |          |
| EXISTING HOUSE/PORCH | 4,969.99 |
| BB COURT             | 1,471.20 |
| REAR DRIVE           | 2,258.58 |
| FRONT DRIVE          | 5,247.92 |
| WALKWAYS             | 715.53   |
| POOL                 | 1,212    |
| POOL PATIO           | 1,979.75 |
| WALLS OVER 3+        | 871.83   |
| REAR PATIO           | 929.39   |
| AC UNITS             | 107.26   |
| CABANA               | 189.13   |

|                 |           |
|-----------------|-----------|
| TOTAL EXISTING: | 19,952.58 |
|-----------------|-----------|

|                       |          |
|-----------------------|----------|
| PROPOSED: (SF)        |          |
| EXISTING HOUSE/PORCH  | 4,969.99 |
| CABANA/ROOF OVER      | 745.44   |
| BB COURT              | 1,471.20 |
| REAR DRIVE (MODIFIED) | 1,945.14 |
| FRONT DRIVE           | 5,247.92 |
| WALKWAYS              | 715.53   |
| POOL                  | 1,212    |
| POOL PATIO            | 1,692    |
| WALLS OVER 3+         | 871.83   |
| REAR PATIO            | 929.39   |
| AC UNITS              | 107.26   |

|                          |           |
|--------------------------|-----------|
| TOTAL EXISTING/PROPOSED: | 19,907.70 |
|--------------------------|-----------|

PLOT PLAN



PROPOSED POOL CABANA FOR PRIVATE RESIDENCE  
130 WOODMERE DRIVE, VILLAGE OF HEWLETT NECK, NY

**BKH ARCHITECT** .pllc  
183 pat drive, west Islip, ny 11795  
631-241-1328 bkharchitect@gmail.com

|           |         |                   |
|-----------|---------|-------------------|
| revision: | date:   | description:      |
| 2         | 3-16-23 | REVISIONS         |
| 1         | 3-8-23  | ISSUED FOR DENIAL |

|           |             |       |       |
|-----------|-------------|-------|-------|
| drawn by: | checked by: | date: | file: |
| rjm       | bkh         |       |       |

BRANDORI K. HANCOCK  
REGISTERED ARCHITECT  
STATE OF NEW YORK  
035993

sheets in set:

**A-0**



GENERAL NOTES

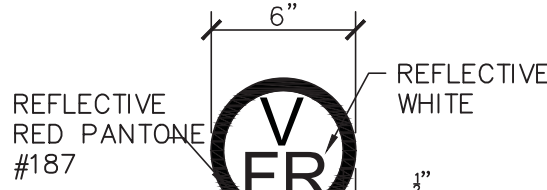
1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RESIDENTIAL CODE OF NEW YORK STATE, FUEL GAS CODE OF NEW YORK STATE, MECHANICAL CODE OF NEW YORK STATE, PLUMBING CODE OF NEW YORK STATE, PROPERTY MAINTENANCE CODE OF NEW YORK STATE, ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE LATEST EDITIONS. ALL WORK SHALL COMPLY WITH THE FOLLOWING DESIGN CRITERIA:

| TABLE R301.2(1)<br>CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA |                        |                 |                           |                           |                               |                        |                     |          |                          |   |                  |                          |                        |
|--|------------------------|-----------------|---------------------------|---------------------------|-------------------------------|------------------------|---------------------|----------|--------------------------|---|------------------|--------------------------|------------------------|
| GROUND<br>SNOW LOAD  | WIND DESIGN            |                 |                           |                           | SEISMIC<br>DESIGN<br>CATEGORY | SUBJECT TO DAMAGE FROM |                     |          | WINTER<br>DESIGN<br>TEMP | ICE SHIELD<br>UNDER-<br>LAYMENT<br>REQUIRED | FLOOD<br>HAZARDS | AIR<br>FREEZING<br>INDEX | MEAN<br>ANNUAL<br>TEMP |
|  | WIND<br>SPEED<br>(MPH) | TOPO<br>EFFECTS | SPECIAL<br>WIND<br>REGION | WIND BORNE<br>DEBRIS ZONE |                               | WEATHERING             | FROST LINE<br>DEPTH | TERMITES |                          |   |                  |                          |                        |
|  |                        |                 |                           |                           |                               |                        |                     |          |                          |   |                  |                          |                        |
| 30 PSF   | 130                    | NO              | NO                        | NO                        | C                             | SEVERE                 | 3'-0"               | MOD/H    | 18N / 15                 | YES   | AE-              | 446                      | 52.4                   |

2. THE GENERAL CONTRACTOR SHALL BE HELD TO HAVE VISITED THE SITE AND PREMISES AND TO HAVE COMPARED SAME WITH THE DRAWINGS AND SPECIFICATIONS, AND TO HAVE SATISFIED THEMSELVES WITH THE EXISTING CONDITIONS, BEFORE SUBMITTING THEIR BID, AND SHALL ASSUME FULL RESPONSIBILITY THEREFORE. ANY DISCREPANCIES FOUND BETWEEN THE ACTUAL CONDITIONS AND INFORMATION GIVEN ON THE DRAWINGS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT AND NO WORK, SO AFFECTED SHALL PROCEED WITHOUT WRITTEN INSTRUCTIONS FROM THE ARCHITECT.
3. THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENT OF THE SYSTEMS. IF ANY DEPARTURES FROM THE CONTRACT DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DUE TO CONFLICT WITH APPLICABLE CODES AND THE BEST PRACTICES OF THE TRADE, SHALL ASSUME FULL DEPARTURES AND THE REASON THEREFORE SHALL BE SUBMITTED AS SOON AS POSSIBLE TO THE ARCHITECT FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT.
4. ALL WORK SPECIFIED HEREIN MUST BE INSTALLED IN FULL ACCORDANCE WITH THE REQUIREMENTS OF ALL LOCAL AND GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION OVER THESE MATTERS AS WELL AS WITH ANY REQUIREMENTS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, NATIONAL ELECTRIC CODE, OR SIMILAR APPROVALS, PERMITS, INSPECTIONS, ETC., BEFORE COMMENCING ANY WORK AS TO AVOID ALL DELAYS DURING CONSTRUCTION AND HE SHALL TURN OVER THE OFFICIAL RECORDS OF THE GRANTING OF PERMITS TO THE OWNER. THE CONTRACTOR SHALL HAVE A FINAL SURVEY PREPARED UPON COMPLETION OF THE WORK. THIS SHALL BE DONE WITHOUT ADDITIONAL COST TO THE OWNER.
5. ANY ITEMS OF WORK SPECIFIED HEREIN AND/OR SHOWN ON THE DRAWINGS WHICH CONFLICT WITH AFOREMENTIONED RULES, REGULATIONS, AND REQUIREMENT, SHALL BE REFERRED TO THE ARCHITECT FOR DECISION.
6. THE WORK SHALL NOT BE DEEMED TO HAVE REACHED A STATE OF COMPLETION UNTIL ALL FINAL CERTIFICATES HAVE BEEN DELIVERED.
7. EACH CONTRACTOR SHALL BE HELD RESPONSIBLE FOR AND BE REQUIRED TO MAKE GOOD AT HIS OWN EXPENSE ANY AND ALL DAMAGES TO THE OWNER'S OR NEIGHBOR'S PROPERTY, AS WELL AS PUBLIC UTILITIES OR MUNICIPAL PROPERTY, AND/OR TO ANY WORK CONTRACT, WHICH IS CAUSED BY HIS WORK OR WORKMEN DURING THE EXECUTION OF HIS CONTRACT.
8. EACH CONTRACTOR SHALL, AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH CAUSED BY HIS WORK. ON COMPLETION OF HIS WORK, ALL RUBBISH AND UNUSED MATERIAL SHALL BE REMOVED AND THE PREMISES LEFT BROOM CLEAN.
9. UPON COMPLETION OF ALL WORK, THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS RESULTING FROM THE BUILDING OPERATION AND SHALL LEAVE THE ENTIRE SITE IN A NEAT, CLEAN AND ACCEPTABLE CONDITION. ALL WINDOWS, HARDWARE, APPLIANCES, PLUMBING FIXTURES, CERAMIC AND GRANITE TILE, SHALL BE CLEANED. ANY ITEMS SCRATCHED OR DAMAGED SHALL BE REPLACED.
10. THE CONTRACTORS SHALL GUARANTEE ALL WORK INSTALLED UNDER THE CONTRACTS FROM A PERIOD OF ONE (1) YEAR FROM DATE OF COMPLETION, AS EVIDENCED BY THE DATE OF THE FINAL CERTIFICATE, UNLESS A LONGER PERIOD IS CALLED FOR IN THE SECTIONS OF THE SPECIFICATIONS.
11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO FILE ALL REQUIRED INSPECTION REPORTS, CONCRETE CYLINDERS REPORTS, STEEL AND MASONRY AFFIDAVITS, MATERIAL TICKETS, ETC. AS MAY BE REQUIRED FOR FINAL ACCEPTANCE BY THE LOCAL MUNICIPALITY.
12. WHERE A DISCREPANCY MAY EXIST BETWEEN THE DRAWINGS AND SPECIFICATIONS THE MORE STRINGENT REQUIREMENT SHALL PREVAIL.
13. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND AS SUCH REMAIN THE PROPERTY OF THE ARCHITECT WHETHER THE WORK FOR WHICH THEY ARE INTENDED IS EXECUTED OR NOT. ANY USE OF THESE DOCUMENTS WITHOUT THE WRITTEN CONSENT OF THE ARCHITECTS SHALL BE PROHIBITED.
14. THE LATEST EDITION OF THE AIA DOCUMENT #A201 SHALL APPLY TO THIS PROJECT, WITH MODIFICATIONS AS LISTED UNDER THE SUPPLEMENTARY CONDITIONS, AND BECOME PART OF THE AGREEMENT.
15. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION INCLUDING JOB AND SITE SAFETY AND TO COMPLY WITH ALL APPLICABLE OSHA STANDARDS.
16. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO SECURE ALL PERMITS AS MAY BE REQUIRED BY THE MUNICIPALITY HAVING JURISDICTION, ARRANGE FOR ALL REQUIRED INSPECTIONS, OBTAIN ALL NECESSARY SIGN-OFFS AND FINAL LETTER OF COMPLETION AND/OR CERTIFICATE OF OCCUPANCY AS MAY BE REQUIRED.
17. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE ARCHITECT A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO COMPLETION OF ANY WORK REQUIRING A CONTROLLED INSPECTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT THE WORK IS COMPLETE AND IN COMPLIANCE WITH THE APPLICABLE CODE REGULATIONS. IN THE EVENT THAT THE WORK IS NOT COMPLETE OR DOES NOT COMPLY WITH THE APPLICABLE REGULATIONS THE CONTRACTOR SHALL BE RESPONSIBLE TO REIMBURSE THE ARCHITECT FOR HIS/HER TIME AND EXPENSE TO RE-INSPECT THE PREMISES.
18. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO RETAIN A LICENSED LAND SURVEYOR TO CHECK AND VERIFY ALL LINES AND SETBACKS TO INSURE THAT ALL DIMENSIONS AND DISTANCES ARE CORRECT PRIOR TO THE START OF FRAMING. REPORT ANY DISCREPANCIES TO THE ARCHITECT.
19. THE SERVICES OF THE ARCHITECTS DO NOT EXTEND TO OR INCLUDE THE REVIEW OR SITE OBSERVATION OF THE CONTRACTOR'S WORK OR PERFORMANCE AND AS SUCH THE GENERAL CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THE MEANS AND METHODS OF CONSTRUCTION, FOR JOB SAFETY ON THE JOBSITE, AND PROTECTION OF THE GENERAL PUBLIC AND ADJOINING PROPERTIES AND UTILITIES AND THAT THESE RESPONSIBILITIES ARE INTENDED TO BE AND TO REMAIN SOLELY THOSE OF THE GENERAL CONTRACTOR. IT IS FURTHER AGREED THAT THE GENERAL CONTRACTOR WILL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ARCHITECT AND OWNER FROM ANY CLAIM OR SUIT WHATSOEVER, INCLUDING THE ABOVE AND NOT LIMITED TO ALL PAYMENTS, EXPENSES OR COSTS INVOLVED, ARISING FROM OR ALLEGED TO HAVE ARISEN FROM THE CONTRACTOR'S PERFORMANCE OR FAILURE OF THE CONTRACTOR'S WORK TO CONFORM TO THE DESIGN INTENT AND THE CONTRACT DOCUMENTS.

- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
- 2020 RESIDENTIAL CODE OF NEW YORK STATE
  - 2020 NEW YORK STATE ENERGY CONSERVATION CODE
  - 2018 NFPA 140 MPH

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE, USING CHAPTER 4



PROVIDE DECAL AND ATTACH TO STRUCTURE PER TOWN REQUIREMENTS

DEMOLITION

1. THE CONTRACTOR SHALL TAKE ALL USUAL AND PROPER PRECAUTIONS TO PREVENT ACCIDENTS OR INJURY TO ALL PERSONS, AND ANY DANGER TO PROPERTY ABOUT OR ADJACENT TO PREMISES WHERE WORK IS BEING PERFORMED, AND ERECT AND KEEP IN PLACE AT ALL TIMES ALL USUAL, PROPER, NECESSARY, AND REQUIRED DANGER SIGNS, SAFEGUARDS, FENCING AND BARRICADES.
2. THE CONTRACTOR SHALL INDEMNIFY AND "HOLD HARMLESS" BOTH THE OWNER AND ARCHITECT AGAINST ALL CLAIMS, SUITS, DAMAGES, AND JUDGEMENTS, INCLUDING COUNSEL FEES AND DISBURSEMENTS INCURRED IN DEFENSE OF ANY ACTION, TO WHICH THE OWNER OR ARCHITECT MAY BE SUBJECTED OR WHICH THEY MAY SUFFER BY REASON OF ANY INJURY TO PERSON OR SUBCONTRACTORS, AGENTS, OR EMPLOYEES, IN PERFORMANCE OF THE WORK, OR ARISING OUT OF WORK PERFORMED HEREUNDER INCLUDING THE IDENTIFICATION AND REMOVAL OF ANY, AND ALL ASBESTOS OR ASBESTOS COMPOSITION MATERIALS, IN THE EVENT THAT ASBESTOS, OR ASBESTOS MATERIALS, ARE ENCOUNTERED, THE CONTRACTOR SHALL ARRANGE TO HAVE THE PREMISES INSPECTED BY A LICENSED INSPECTOR, TO PROPERLY IDENTIFY THE MATERIALS AND TO FILE A REMOVAL PLAN FOR APPROVAL BY THE MUNICIPALITY. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH ALL LOCAL LAWS AND ENVIRONMENTAL AGENCY CRITERIA.
3. THE CONTRACTOR SHALL CAREFULLY STUDY ALL DRAWINGS TO FULLY DETERMINE THE EXTENT OF THE DEMOLITION WORK REQUIRED IN THE EXISTING BUILDING AND THE EFFECT OF SUCH WORK ON THE EXISTING CONSTRUCTION ELEMENTS AND SERVICES.
4. THE CONTRACTOR SHALL PROVIDE ALL PROTECTION AND SAFEGUARD BY GOOD CONSTRUCTION PRACTICE FROM THE START OF WORK UNTIL ITS COMPLETION AND ACCEPTANCE BY THE OWNER AND ARCHITECT.
5. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR MATERIALS, STRUCTURAL ELEMENTS, METHODS, TIMING, SEQUENCE SAFETY OF LIFE AND PROPERTY.
6. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND BRACING AS NECESSARY AND AS REQUIRED BY THE LOCAL AUTHORITIES HAVING JURISDICTION. NO SHORING OR BRACING SHALL BE REMOVED UNTIL ALL NEW STRUCTURAL ELEMENTS ARE PROPERLY SET IN PLACE AND SECURED AND THE ACTUAL TRANSFER OF LOAD AS GRADUALLY OCCURRED.
7. THE CONTRACTOR SHALL PROVIDE ALL SCAFFOLDING, BARRICADES, ETC. AS REQUIRED BY THE JOB CONDITIONS AND THE LOCAL AUTHORITIES.
8. THE CONTRACTOR SHALL REMOVE AND RELOCATE ALL EQUIPMENT AND FURNISHINGS AS REQUIRED BY JOB CONDITIONS AND AS DIRECTED BY THE ARCHITECT AND RECONNECT TO INSURE PROPER OPERATION.
9. ALL PLUMBING, GAS AND ELECTRICAL CONNECTIONS TO BE REMOVED SHALL BE SAFELY CAPPED BELOW THE FLOOR LEVEL.

SHORING & BRACING

1. THE GENERAL CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING AND NEEDLING AS NECESSARY AND AS REQUIRED BY THE LOCAL AUTHORITIES HAVING JURISDICTION.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO RETAIN AN INDEPENDENT LICENSED PROFESSIONAL ENGINEER TO REVIEW THE SCOPE OF WORK AND THE ACTUAL FIELD CONDITIONS TO DETERMINE THE EXTENT OF SHORING, BRACING AND/OR NEEDLING WHICH MAY BE REQUIRED AND TO DESIGN A STRUCTURAL SYSTEM CAPABLE TO TEMPORARILY SUPPORT THE WORK DURING CONSTRUCTION AND TO PROVIDE CONTROLLED INSPECTION SERVICES AS REQUIRED BY THE CITY OF NEW YORK, DEPARTMENT OF BUILDINGS.
3. NO SHORING, BRACING OR NEEDLING SHALL BE REMOVED UNTIL ALL NEW STRUCTURAL ELEMENTS ARE PROPERLY SET IN PLACE AND SECURED AND THE ACTUAL TRANSFER OF LOAD HAS GRADUALLY OCCURRED.
4. BY EXECUTION OF THE CONSTRUCTION CONTRACT THE CONTRACTOR ACKNOWLEDGES THAT HE/SHE IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR PROJECT SAFETY IN ACCORDANCE WITH THE AIA DOCUMENT A201 LATEST EDITION. AS SUCH, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY SHORING, BRACING, AND TEMPORARY SUPPORTS AS MAY BE REQUIRED BY THE FIELD CONDITIONS AND AS INDICATED UNDER "DEMOLITION" NOTES ABOVE TO INSURE THE SAFE EXECUTION OF THE WORK AS INDICATED ON THE DRAWINGS.

CONCRETE

1. FOUNDATION DESIGN IS BASED UPON SOIL CLASS SM, SP, SM, SC, GM AND GC. SOIL BEARING VALUE ASSUMED AT 2 TONS PER SQ. FT. SUBJECT TO BUILDING INSPECTORS APPROVAL. IN THE EVENT THAT THE EXCAVATION REVEALS SOIL OF LESSER COMPOSITION THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY PRIOR TO PROCEEDING WITH THE WORK.
2. THE SOIL DIRECTLY UNDERLYING FOOTINGS, FOUNDATION PIERS, AND FOUNDATION WALLS SHALL BE INSPECTED BY THE ARCHITECT OR ENGINEER AFTER EXCAVATION AND PRIOR TO CONSTRUCTION OF FOOTINGS. THE DEPT. OF BUILDINGS SHALL BE NOTIFIED 3 WORKING DAYS PRIOR TO CONSTRUCTION OF FOOTINGS. A REPORT OF SUCH INSPECTION DESCRIBING CONDITIONS FOUND SHALL BE FILED WITH THE DEPT. OF BUILDINGS BY THE ARCHITECT OR ENGINEER MAKING SUCH INSPECTION.
3. ALL FOOTINGS SHALL BE MINIMUM 12" DEEP WITH A MINIMUM 6" PROJECTION ON BOTH SIDES OF THE FOUNDATION WALL.
4. DIFFERENCES IN FOOTING LEVELS ARE TO BE STEPPED UP OR DOWN AT A 30 DEGREE ANGLE. THE TOP OF THE FOOTING SHALL BE INSTALLED LEVEL. THE BOTTOM OF FOOTINGS MAY BE SLOPED PROVIDED THE SLOPE DOES NOT EXCEED A 1 FOOT VERTICAL TO 10 FOOT HORIZONTAL SLOPE.
5. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE MINIMUM OF 3'-0" BELOW ADJOINING GRADE.
6. CONCRETE EXPOSED TO ACTION OF FREEZING WEATHER SHALL BE DESIGNED WITH ENTRAINED AIR ADDITIVES.

SMOKE DETECTION

1. SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 317.3 OF THE CODE. UNITS SHALL BE HARDWIRED WITH BATTERY BACKUP. WHERE WORK IS BEING PERFORMED IN AN EXISTING SPACE WHERE ACCESS FOR WIRING IS NOT PRACTICAL BATTERY OPERATED UNITS MAY BE INSTALLED WITHOUT WIRING.
2. A MINIMUM OF ONE SMOKE DETECTOR SHALL BE INSTALLED FOR EACH STORY AND A MINIMUM OF ONE UNIT INSIDE AND OUTSIDE OF EACH BEDROOM SHALL BE INSTALLED.
3. WHERE MORE THAN ONE SMOKE DETECTOR IS INSTALLED THE UNITS SHALL BE INTERCONNECTED.

CARBON MONOXIDE DETECTION

1. CARBON MONOXIDE ALARMS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R313.4 OF THE RESIDENTIAL CODE ON ANY LEVEL WHERE THERE FUEL-FIRED APPLIANCES AND EQUIPMENT IS INSTALLED AND ON ANY STORY CONTAINING A SLEEPING AREA.
2. WHERE MORE THAN ONE DETECTOR IS BEING INSTALLED THE UNITS SHALL BE INTERCONNECTED SO THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS WITHIN THE DWELLING UNIT.
3. ALL ALARMS SHALL BE LISTED AND LABELED AS COMPLYING WITH UL 2034 OR CAN/CSA 619 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THIS CODE.

CARPENTRY

1. ALL STRUCTURAL LUMBER SHALL BE DOUGLAS-FIR LARCH, NO. 2 OR BETTER GRADE F5=1400 PSI IN SIZES AS INDICATED ON PLANS. GRADE MARKED PRIOR TO DELIVERY TO SITE.
2. WOOD BEAMS SHALL BE BRIDGED WITH 1" X 3" DIAGONAL WOOD OR METAL MEMBERS OR SOLID WOOD BRIDGING SPACED 8'-0" O.C. MAXIMUM.
3. WOOD BEAMS SHALL NOT BE CUT, BORED OR NOTCHED IN EXCESS OF THE LIMITATIONS SPECIFIED IN SECTION R502.8 OF THE CODE.
4. BEAMS SHALL BE DOUBLED UNDER ALL PARTITIONS WHICH ARE RUNNING PARALLEL TO SUCH BEAMS.
5. JOISTS SHALL BE SUPPORTED Laterally AT THE ENDS BY FULL-DEPTH SOLID BLOCKING NOT LESS THAN 2" NOMINAL THICKNESS AND DEPTH EQUAL TO THE DEPTH OF THE JOISTS.
6. PRE-ENGINEERED WOOD MEMBERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. CUTS, NOTCHES AND HOLES BORED IN THE TRUSSES, LAMINATED VENEER LUMBER, GLUE-LAMINATED MEMBERS OR I-JOISTS ARE NOT PERMITTED UNLESS THE EFFECTS OF SUCH PENETRATIONS ARE SPECIFICALLY CONSIDERED IN THE DESIGN OF THE MEMBER.
7. A MINIMUM OF 2" SHALL BE MAINTAINED BETWEEN ALL WOOD JOISTS AND BEAMS ADJACENT TO CHIMNEYS, WOOD FLOORING SHALL BE KEPT 1/8" FROM CHIMNEY.
8. WHERE METAL CONNECTORS AND STRAPPING IS INDICATED ON THE PLANS THE DESIGN IS BASED UPON PRODUCTS MANUFACTURED BY SIMPSON STRONG-TIE SPECIFICALLY TO MEET THE STRUCTURAL CALCULATIONS. SUBSTITUTIONS WILL NOT BE PERMITTED UNLESS COMPLETE DETAILS AND MANUFACTURER'S LOAD COMPUTATIONS ARE SUBMITTED AND APPROVED BY THE ARCHITECT.
9. ALL TAIL BEAMS SHALL REST ON APPROVED TYPE BRIDLE IRONS.
10. WOOD STUD WALLS SHALL BE CAPPED WITH A DOUBLE TOP PLATE INSTALLED TO PROVIDE OVERLAPPING AT THE CORNERS AND INTERSECTIONS WITH BEARING PARTITIONS. END JOINTS IN TOP PLATES SHALL BE OFFSET AT LEAST 24 INCHES. STUDS SHALL HAVE FULL BEARING ON A BOTTOM (SOLE) PLATE NOMIAL 2 INCH THICK WITH WIDTH EQUAL TO THE WIDTH OF THE STUDS.
11. WHEN PIPING OR DUCTWORK IS PLACED IN OR PARTLY IN AN EXTERIOR WALL OR INTERIOR LOAD-BEARING WALL, NECESSITATING CUTTING, DRILLING OR NOTCHING OF THE TOP PLATE BY MORE THAN 50 PERCENT OF ITS WIDTH, A GALVANIZED METAL TIE OF NOT LESS THAN 0.054 INCH THICK (.375MM) (66GA) AND 1 1/8 INCHES WIDE SHALL BE FASTENED TO EACH PLATE ACROSS AND TO EACH SIDE OF THE OPENING WITH NOT LESS THAN EIGHT 16d NAILS ON EACH SIDE OR EQUIVALENT.
12. WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10 OF THE CODE.
13. ANY STUD IN AN EXTERIOR WALL OR BEARING PARTITION MAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. STUDS IN NONBEARING PARTITIONS MAY BE NOTCHED TO A DEPTH NOT TO EXCEED 40 PERCENT OF THE STUD WIDTH.
14. EXTERIOR SHEATHING SHALL BE MINIMUM 1/2" EXTERIOR GRADE PLYWOOD SHEATHING.
15. BUILDING FELT SHALL BE ASPHALT-SATURATED FELT FREE FROM HOLES AND BREAKS, WEIGHING NOT LESS THAN 14 POUNDS PER 100 SQUARE FEET AND COMPLYING WITH ASTM D 226. FELTS SHALL BE APPLIED HORIZONTALLY, WITH THE UPPER LAYER LAPPED OVER THE LOWER LAYER NOT LESS THAN 2 INCHES. WHERE JOINTS OCCUR, FELT SHALL BE LAPPED NOT LESS THAN 6 INCHES.
16. "ICE SHIELD" UNDERLAYMENT SHALL BE INSTALLED WITHIN 2'-0" OF THE EXTERIOR WALL SURFACES FOR ALL ASPHALT, WOOD, SLATE AND METAL SINGLE/SHAKE MATERIALS AND BELOW ALL MINERAL SURFACED ROLLED ROOFING AREAS.
17. ALL PARTITIONS SHALL BE CONSTRUCTED OF 2" X 4" WOOD STUDS SPACED 16" O.C. WITH ONE LAYER OF 5/8 " GYPSUM WALLBOARD ONE EACH SIDE UNLESS NOTED OTHERWISE ON THE DRAWINGS.
18. THE CONTRACTOR SHALL PROVIDE ROOF VENTS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. VENTILATION OPENINGS SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE MESH, WITH 1/8" MINIMUM TO 1/4" MAXIMUM OPENINGS. THE TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1 TO 150 OF THE AREA OF THE SPACE VENTILATED. WHERE EAVE OR CORNICE VENTS ARE INSTALLED, INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR. A MINIMUM OF A 1 INCH SPACE SHALL BE PROVIDED BETWEEN THE INSULATION AND THE ROOF SHEATHING AT THE LOCATION OF THE VENT.
19. PROVIDE ALL BLOCKING AND CUT OUTS AS REQUIRED FOR MEDICINE CABINETS, ACCESS DOORS AS REQUIRED, PLUMBING FIXTURES, H.V.A.C., ETC. VERIFY WITH ARCHITECT AND OWNER PRIOR TO START OF CARPENTRY WORK.
20. THE CARPENTRY CONTRACTOR SHALL BE RESPONSIBLE TO THE LEVEL OF ALL FLOORS, SILLS, ETC. AND PLUMBING OF ALL WALLS, JAMBS, ETC.
21. ALL CONCEALED SPACES, PIPE SPACES AND FURRED OUT SPACES SHALL BE FIRESTOPPED TO FORM AN EFFECTIVE DRAFT BARRIER IN ACCORDANCE WITH SECTION R602.8 OF THE CODE. FIREBLOCKING SHALL BE INSTALLED IN ALL CONCEALED SPACES OF STUD WALLS, PARTITIONS AND FURRED SPACES. IN CEILINGS, FLOORS AND HORIZONTAL FURRED SPACES THE FIREBLOCKING SHALL BE INSTALLED AT 10 FOOT INTERVALS.

INSULATION

1. BATT-TYPE INSULATION SHALL BE INSTALLED WITH OVERLAPPING INSIDE FOIL BACKED VAPOR-BARRIER COVERINGS IN STRICT ACCORD WITH MANUFACTURER'S DIRECTIONS TO ACHIEVE MAXIMUM INSULATING AND VAPOR-BARRIER CONTINUITY. IN WALLS, BATTS SHALL BE SECURED TO STUDS. IN CEILINGS, BATTS SHALL BE LAID IN OVER CEILING MATERIAL, EXCEPT THAT FOR INCLINED PLANES, THE TOP OF EACH ROLL SECTION SHALL BE CAREFULLY SECURED TO PREVENT ANY SLIPPAGE OR BREAK IN INSULATING AND VAPOR-BARRIER CONTINUITY.
2. ALL INSULATION SHALL BE AS TIGHT FITTING AND CONTINUOUS AS POSSIBLE WITH NO OPEN JOINTS OR UNFILLED SPACES.
3. INSULATION MATERIAL SHALL BE SCRIBED AND FITTED TO ALL OTHER SURFACES THAT MAY INTERRUPT OR PROJECT THROUGH THE INSULATION LAYER.
4. FACTORY MUTUAL CLASS I FIRE RATING AND UNDERWRITERS SPECIFICATIONS SHALL GOVERN ALL WORK.
5. MAXIMUM SIZE UNITS TO BE USED THROUGHOUT TO HOLD JOINTS IN INSULATION WORK TO AN IRREDUCIBLE MINIMUM.
6. ALL JOINTS MUST BE FULLY BUTTERED AND SEALED.
7. ALL ADHESIVE APPLICATIONS OF INSULATION TO BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

ELECTRICAL

1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH PART VIII OF THE RESIDENTIAL CODE OF NEW YORK STATE.
2. THE CONTRACTOR SHALL OBTAIN ALL PERMITS, APPROVALS, AFFIDAVITS, CERTIFICATES, ETC. AND PAY ALL FEES AS REQUIRED BY THE LOCAL AUTHORITIES AND FIRE UNDERWRITERS OR AN ELECTRICAL INSPECTION AGENCY APPROVED BY THE LOCAL MUNICIPALITY.
3. THE MINIMUM LOAD FOR UNGROUNDED SERVICE CONDUCTORS AND SERVICE DEVICES THAT SERVE 100 PERCENT OF THE DWELLING UNIT LOAD SHALL BE COMPUTED IN ACCORDANCE WITH TABLE E3502.2.
4. WIRING METHODS SHALL BE IN ACCORDANCE WITH TABLE E3101.2, ALLOWABLE APPLICATIONS FOR WIRING METHODS SHALL BE IN ACCORDANCE WITH TABLE E3102.1.
5. THE CONTRACTOR SHALL PROVIDE RECEPTACLES SO THAT NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6 FEET MEASURED HORIZONTALLY FROM AN OUTLET IN THAT SPACE.
6. ALL NEW FIXTURES SHALL BE AS SELECTED BY THE OWNER, FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
7. ALL CEILING FIXTURES SHALL BE SWITCHED WITH DIMMER SWITCHES. WHERE MULTIPLE SWITCHES MAY BE REQUIRED CONTRACTOR IS TO INSTALL "GANGS" TYPE UNITS.
8. ALL BATH, TOILET, KITCHEN AND GARAGE OUTLETS SHALL BE GROUND-FAULT-INTERRUPTER PROTECTION APPROVED DEVICES.
9. THE CONTRACTOR SHALL OBTAIN FIRE UNDERWRITERS OR OTHER ELECTRICAL INSPECTION AGENCY APPROVED BY THE LOCAL MUNICIPALITY UPON COMPLETION OF HIS WORK.

EXTERIOR WINDOWS AND GLASS DOORS

1. ALL EXTERIOR WINDOWS AND GLASS DOORS SHALL BE DESIGNED TO RESIST THE DESIGN WIND LOADS SPECIFIED IN TABLE R301.2(2) ADJUSTED FOR HEIGHT AND EXPOSURE PER TABLE R301.2(3). UNITS SHALL BE TESTED BY AN APPROVED INDEPENDENT LABORATORY, AND BEAR A LABEL IDENTIFYING MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED INSPECTION AGENCY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF AAMA/NWMA 101A.5.2.
2. WINDOW AND GLASS DOOR ASSEMBLIES SHALL BE ANCHORED IN ACCORDANCE WITH THE PUBLISHED MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE THE DESIGN PRESSURE SPECIFIED.
3. ALL SLEEPING ROOMS AND HABITABLE SPACES LOCATED IN BASEMENTS SHALL HAVE A MINIMUM OF ONE EMERGENCY ESCAPE AND RESCUE OPENING WITH A MAXIMUM SILL HEIGHT OF 44 INCHES ABOVE THE FLOOR, MINIMUM 5.7 SQUARE FOOT NET AREA, MINIMUM 24 INCH CLEAR HEIGHT AND MINIMUM 20 INCH CLEAR WIDTH.
4. IN HIGH WIND BORNE DEBRIS AREAS WITHIN ONE MILE OF THE COASTAL MEAN HIGH WATER LINE, AS DETERMINED BY THE LOCAL MUNICIPALITY, THE CONTRACTOR SHALL FURNISH WOOD STRUCTURAL PANELS WITH A MINIMUM THICKNESS OF 7/16" AND MAXIMUM SPAN OF 8'-0" FOR EACH WINDOW. PROVIDE STAINLESS STEEL CLIPS FOR WINDOWS FASTENED IN ACCORDANCE WITH TABLE R301.2.1.2 OF THE CODE. EACH PANEL SHALL BE CLEARLY IDENTIFIED AND STORED ON SITE.

PLUMBING

1. ALL PLUMBING SHALL BE IN ACCORDANCE WITH THE RESIDENTIAL CODE OF NEW YORK STATE.
2. ALL PLUMBING FIXTURES SHALL BE INSTALLED WITH CLEARANCES IN ACCORDANCE WITH SECTION 301, FIGURE R301.2 OF THE CODE.
3. THE CONTRACTOR SHALL OBTAIN ALL PERMITS, APPROVALS, AFFIDAVITS, CERTIFICATIONS, ETC. AND PAY ALL FEES AS REQUIRED BY THE LOCAL AUTHORITIES.
4. ALL WORK SHALL BE IN ACCORDANCE WITH ALL LOCAL LAWS AND REGULATION AND IN STRICT ACCORDANCE WITH THE NATIONAL CODE.
5. PROVIDE ALL FINAL CONNECTIONS, ETC. TO ALL FIXTURES, CASES, ETC.
6. THE FIXTURES INDICATED ARE FOR THE PURPOSES OF ESTABLISHING A BUDGET ONLY. THE PLUMBING CONTRACTOR SHALL REVIEW AND VERIFY THE FIXTURE AND FAUCET REQUIREMENTS WITH THE OWNER AND ADVISE THE OWNER AS TO ANY PRICE ADJUSTMENTS PRIOR TO ORDERING. THE CONTRACTOR SHALL SUBMIT HIS BID BASED UPON THE FOLLOWING PLUMBING FIXTURES AS MANUFACTURED BY "AMERICAN STANDARD".
7. THE MAXIMUM WATER CONSUMPTION FLOW RATES AND QUANTITIES FOR ALL PLUMBING FIXTURES AND FIXTURE FITTINGS SHALL BE IN ACCORDANCE WITH TABLE P2403.2.
8. THE PLUMBING CONTRACTOR SHALL REVIEW ALL FIXTURES WITH THE OWNER FOR FINAL SELECTION AND APPROVAL PRIOR TO ORDERING.
9. BATHTUBS WITH SHOWER HEADS AND SHOWER COMPARTMENT FLOORS AND WALLS SHALL BE FINISHED WITH A NONABSORBENT SURFACE EXTENDING TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR.
10. SHOWERS AND TUB/SHOWER COMBINATIONS SHALL BE EQUIPPED WITH CONTROL VALVES OF THE PRESSURE BALANCE, THE THERMOSTATIC MIXING OR THE COMBINATION PRESSURE BALANCE/THERMOSTATIC MIXING VALVE TYPES WITH HIGH LIMIT STOPS IN ACCORDANCE WITH ASSE/ANSI 1016. THE HIGH LIMIT STOPS SHALL BE SET TO LIMIT WATER TEMPERATURE TO A MAXIMUM 120 DEGREES F.
11. ALL POTABLE WATER OPENINGS AND OUTLETS SHALL BE PROTECTED BY AN AIR GAP, ATMOSPHERIC-TYPE VACUUM BREAKER, PRESSURE-TYPE VACUUM BREAKER OR HOSE CONNECTION BACKFLOW PREVENTER.
12. ALL CONNECTIONS TO THE POTABLE WATER SHALL CONFORM TO SECTIONS P2402.4.1 THROUGH P2402.4.5.
13. WOOD FRAMED STRUCTURAL MEMBERS SHALL NOT BE DRILLED, NOTCHED OR ALTERED IN ANY MANNER EXCEPT AS PROVIDED UNDER "CARPENTRY" ABOVE.
14. A SOIL OR WASTE PIPE, OR BUILDING DRAIN PASSING UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A RELIEVING ARCH, OR THERE SHALL BE BUILT INTO THE MASONRY WALL A PIPE SLEEVE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH.
15. PIPING SHALL BE INSTALLED IN TRENCHES SO THAT THE PIPING RESTS ON SOLID AND CONTINUOUS BEARING. WHEN OVER EXCAVATED, THE TRENCH SHALL BE BACKFILLED TO THE PROPER GRADE WITH COMPACTED EARTH, SAND, FINE GRAVEL OR SIMILAR GRANULAR MATERIAL. PIPING MAY NOT BE SUPPORTED ON ROCKS OR BLOCKS AT ANY POINT. CARE SHALL BE EXERCISED IN BACKFILLING TRENCHES TO AVOID ROCKS, BROKEN CONCRETE, FROZEN CHUNKS, CONSTRUCTION DEBRIS AND OTHER RUBBLE UNTIL THE PIPE IS COVERED BY AT LEAST 12 INCHES OF TAMPED EARTH.
16. DRAIN, WASTE AND VENT PIPING AND FITTING MATERIALS SHALL COMPLY WITH TABLE P3002.1.
17. BUILDING SEWER PIPING AND FITTING MATERIALS SHALL COMPLY WITH TABLE P3002.2.
18. THE WATER SUPPLY FOR DISHWASHERS SHALL BE PROTECTED BY AN AIR GAP OR INTEGRAL BACK-FLOW PREVENTER.
19. THE DISCHARGE FROM CLOTHES WASHING MACHINES SHALL BE THROUGH AN AIR BREAK.
20. THE ENTIRE PLUMBING SYSTEM SHALL BE TESTED IN ACCORDANCE WITH SECTION P2503 OF THE CODE.

|           |        |                   |
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| 1         | 3-8-23 | ISSUED FOR DENIAL |
| revision: | date:  | description:      |

PROPOSED POOL CABANA  
FOR  
PRIVATE RESIDENCE  
130 WOODMERE DRIVE, VILLAGE OF HEWLETT NECK, NY

BKH  
ARCHITECT | pllc

183 pat drive, west islip, ny 11745  
631-241-1328

drawn by:  
rjm

checked by:  
bkh

date:

file:

sheets in set:

A-0.1



| TABLE 3.1 NAILING SCHEDULE  |  |   |
|---|--|---|
| JOINT DESCRIPTION   | NUMBER OF COMMON NAILS   | NAIL SPACING  |
| <b>ROOF FRAMING</b>   |  |   |
| RAFTER TO TOP PLATE (TOE-NAILED)<br>CEILING JOIST TO TOP PLATE (TOE-NAILED)<br>CEILING JOIST TO PARALLEL RAFTER (FACE-NAILED)<br>CEILING JOIST LAPS OVER PARTITIONS (FACE-NAILED)<br>COLLAR TIE TO RAFTER (FACE-NAILED)<br>BLOCKING TO RAFTER (TOE-NAILED)<br>RIM BOARD TO RAFTER (END-NAILED)                                      | (SEE TABLE 3.4A)<br>(SEE TABLE 3.4A)<br>(SEE TABLE 3.4A)<br>(SEE TABLE 3.4A)<br>(SEE TABLE 3.4A)<br>2-8D<br>2-8D | PER RAFTER<br>JOIST<br>EACH LAP<br>EACH LAP<br>PER TIE<br>EACH END<br>EACH END  |
| <b>WALL FRAMING</b>   |  |   |
| TOP PLATE TO TOP PLATE (FACE-NAILED)<br>TOP PLATES AT INTERSECTIONS (FACE-NAILED)<br>STUD TO STUD (FACE-NAILED)<br>HEADER TO HEADER (FACE-NAILED)   | 2-16D<br>2-8D<br>2-16D<br>16D  | PER FOOT<br>JOISTS EACH SIDE<br>24" O.C.<br>16" O.C. ALONG EDGES  |
| TOP OR BOTTOM PLATE TO STUD (END-NAILED)  | 2-16D<br>3-16D<br>4-16D  | PER 2X4 STUD<br>PER 2X6 STUD<br>PER 2X8 STUD  |
| BOTTOM PLATE TO FLOOR JOIST, BAND JOIST,<br>END JOIST OR BLOCKING (FACE-NAILED)   | 2-16D  | PER FOOT  |
| <b>FLOOR FRAMING</b>  |  |   |
| JOIST TO SILL, TOP PLATE OR GIRDER (TOE-NAILED)<br>BRIDGING TO JOIST (TOE-NAILED)<br>BLOCKING TO JOIST (TOE-NAILED)<br>BLOCKING TO SILL OR TOP PLATE (TOE-NAILED)<br>LEDGER STRIP TO BEAM (FACE-NAILED)<br>JOIST ON LEDGER TO BEAM (TOE-NAILED)<br>BAND JOIST TO JOIST (END-NAILED)<br>BAND JOIST TO SILL OR TOP PLATE (TOE-NAILED) | 4-8D<br>2-8D<br>2-8D<br>3-16D<br>3-16D<br>3-8D<br>3-16D<br>2-16D   | PER JOIST<br>EACH END<br>EACH END<br>EACH BLOCK<br>EACH JOIST<br>PER JOIST<br>PER JOIST<br>PER FOOT                           |
| <b>ROOF SHEATHING</b>   |  |   |
| STRUCTURAL PANELS<br>DIAGONAL BOARD SHEATHING<br>(1X6" OR 1X8"<br>1X10" OR WIDER  | 8D<br>2-8D<br>3-8D   | (SEE TABLE 3.10)<br>PER SUPPORT<br>PER SUPPORT  |
| <b>CEILING SHEATHING</b>  |  |   |
| GYPSUM WALLBOARD  | 5D COOLERS   | 7" EDGE / 10" FIELD   |
| <b>WALL SHEATHING</b>   |  |   |
| WOOD STRUCTURAL PANELS<br>FIBERBOARD PANELS<br>1/2" 25/32"  | 8D<br>8D<br>5D COOLERS<br>8D<br>8D   | (SEE TABLE 3.11)<br>3" EDGE / 6" FIELD<br>3" EDGE / 6" FIELD<br>7" EDGE / 10" FIELD<br>(SEE TABLE 3.11)<br>(SEE MANUFACTURER) |
| GYPSUM WALLBOARD<br>HARDBOARD<br>PARTICLEBOARD PANELS<br>DIAGONAL BOARD SHEATHING<br>(1X6" OR 1X8"<br>1X10" OR WIDER  | 2-8D<br>3-8D   | PER SUPPORT<br>PER SUPPORT  |
| <b>FLOOR SHEATHING</b>  |  |   |
| STRUCTURAL PANELS<br>1" OR LESS<br>GREATER THAN 1"<br>DIAGONAL BOARD SHEATHING<br>(1X6" OR 1X8"<br>1X10" OR WIDER   | 8D<br>10D<br>2-8D<br>3-8D  | 6" EDGE / 12" FIELD<br>6" EDGE / 6" FIELD<br>PER SUPPORT<br>PER SUPPORT   |

| TABLE 3.2B BOTTOM PLATE TO FOUNDATION CONNECTIONS (ANCHOR BOLTS) RESISTING LATERAL AND SHEAR LOADS FROM WIND-EXPOSURE B |                            |                                  |
|---|----------------------------|----------------------------------|
| THREE SECOND GUST WIND SPEED (MPH)  | 140 MPH                    |                                  |
| BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING   | FOUNDATION SUPPORTING      | MAXIMUM ANCHOR BOLT SPACING (IN) |
| LATERAL AND SHEAR LOADS   | 1-3 STORIES<br>2 X 6 PLATE | 1/2" ANCHOR BOLTS<br>3           |
|   |                            | 5/8" ANCHOR BOLTS<br>42          |

| TABLE A-3.4 UPLIFT CONNECTION LOAD FROM WIND (ROOF TO WALL, WALL TO WALL, & WALL TO FOUNDATION) EXPOSURE B |           |                           |     |   |
|--|-----------|---------------------------|-----|---|
| 3 SEC WIND GUEST   | 120       | 130                       | 140 |   |
| FRAMING SPACE  | ROOF SPAN | NUMBER OF 8D COMMON NAILS |     |   |
| 12"  | 12'       | 1                         | 1   | 1 |
|  | 16'       | 1                         | 1   | 1 |
|  | 20'       | 1                         | 2   | 2 |
|  | 24'       | 1                         | 2   | 2 |
|  | 28'       | 1                         | 2   | 2 |
|  | 32'       | 2                         | 2   | 2 |
| 16"  | 12'       | 1                         | 2   | 2 |
|  | 16'       | 1                         | 2   | 2 |
|  | 20'       | 2                         | 2   | 2 |
|  | 24'       | 2                         | 2   | 2 |
|  | 28'       | 2                         | 2   | 3 |
|  | 32'       | 2                         | 2   | 3 |
| 24"  | 12'       | 2                         | 2   | 2 |
|  | 16'       | 2                         | 2   | 3 |
|  | 20'       | 2                         | 3   | 3 |
|  | 24'       | 2                         | 3   | 4 |
|  | 28'       | 2                         | 3   | 4 |
|  | 32'       | 3                         | 3   | 4 |

| TABLE 2.2A UPLIFT CONNECTION LOAD FROM WIND (ROOF TO WALL, WALL TO WALL, & WALL TO FOUNDATION) EXPOSURE B |           |                              |     |     |
|---|-----------|------------------------------|-----|-----|
| 3 SEC WIND GUEST  | 120       | 130                          | 140 |     |
| DEAD LOAD   | ROOF SPAN | CAPACITY OF CONNECTION (PLF) |     |     |
| 10 PSF  | 12'       | 122                          | 154 | 184 |
|   | 24'       | 191                          | 250 | 301 |
|   | 36'       | 271                          | 346 | 427 |
|   | 48'       | 347                          | 443 | 471 |
|   | 60'       | 422                          | 540 | 666 |
| 15 PSF  | 12'       | 90                           | 122 | 151 |
|   | 24'       | 141                          | 194 | 251 |
|   | 36'       | 192                          | 266 | 341 |
|   | 48'       | 243                          | 334 | 443 |
|   | 60'       | 294                          | 412 | 534 |
| 20 PSF  | 12'       | 54                           | 80  | 125 |
|   | 24'       | 85                           | 130 | 196 |
|   | 36'       | 112                          | 186 | 267 |
|   | 48'       | 140                          | 235 | 334 |
|   | 60'       | 166                          | 285 | 411 |

all numbers above are multiplied x 1.33 for 16" o.c. spacing

| TABLE 3.6<br>TABLE A-3.6          |              |                              |     |     |     |     |   |            |  | RIDGE CONNECTION FOR WIND LOADS |  |  |  |
|-----------------------------------|--------------|------------------------------|-----|-----|-----|-----|---|------------|--|---------------------------------|--|--|--|
| DEAD LOAD ROOF / CEILING = 10 PSF |              |                              |     |     |     |     |   | EXPOSURE B |  |                                 |  |  |  |
| 3 SEC WIND GUEST                  |              | 120                          |     | 130 |     | 140 |   |            |  |                                 |  |  |  |
| ROOF<br>PITCH                     | ROOF<br>SPAN | CAPACITY OF CONNECTION (PLF) |     |     |     |     |   |            |  |                                 |  |  |  |
| NUMBER OF 8D COMMON NAILS         |              |                              |     |     |     |     |   |            |  |                                 |  |  |  |
| 3:12                              | 12'          | 105                          | 1   | 186 | 2   | 164 | 2 |            |  |                                 |  |  |  |
|                                   | 16'          | 141                          | 2   | 182 | 2   | 226 | 2 |            |  |                                 |  |  |  |
|                                   | 20'          | 176                          | 2   | 227 | 2   | 282 | 3 |            |  |                                 |  |  |  |
|                                   | 24'          | 211                          | 2   | 272 | 3   | 334 | 3 |            |  |                                 |  |  |  |
|                                   | 28'          | 246                          | 2   | 318 | 3   | 395 | 4 |            |  |                                 |  |  |  |
|                                   | 32'          | 281                          | 3   | 363 | 3   | 452 | 4 |            |  |                                 |  |  |  |
| 36'                               | 316          | 3                            | 404 | 4   | 508 | 5   |   |            |  |                                 |  |  |  |
| 4:12                              | 12'          | 88                           | 1   | 113 | 1   | 134 | 2 |            |  |                                 |  |  |  |
|                                   | 16'          | 118                          | 1   | 150 | 2   | 186 | 2 |            |  |                                 |  |  |  |
|                                   | 20'          | 141                          | 2   | 188 | 2   | 232 | 2 |            |  |                                 |  |  |  |
|                                   | 24'          | 176                          | 2   | 226 | 2   | 274 | 3 |            |  |                                 |  |  |  |
|                                   | 28'          | 206                          | 2   | 263 | 3   | 325 | 3 |            |  |                                 |  |  |  |
|                                   | 32'          | 235                          | 2   | 301 | 3   | 372 | 4 |            |  |                                 |  |  |  |
| 36'                               | 264          | 3                            | 338 | 3   | 418 | 4   |   |            |  |                                 |  |  |  |
| 5:12                              | 12'          | 69                           | 1   | 88  | 1   | 104 | 1 |            |  |                                 |  |  |  |
|                                   | 16'          | 92                           | 1   | 117 | 1   | 146 | 2 |            |  |                                 |  |  |  |
|                                   | 20'          | 115                          | 1   | 141 | 2   | 182 | 2 |            |  |                                 |  |  |  |
|                                   | 24'          | 138                          | 2   | 171 | 2   | 214 | 2 |            |  |                                 |  |  |  |
|                                   | 28'          | 161                          | 2   | 206 | 2   | 255 | 3 |            |  |                                 |  |  |  |
|                                   | 32'          | 184                          | 2   | 236 | 2   | 242 | 3 |            |  |                                 |  |  |  |
| 36'                               | 207          | 2                            | 265 | 3   | 328 | 3   |   |            |  |                                 |  |  |  |
| 6:12                              | 12'          | 63                           | 1   | 81  | 1   | 94  | 1 |            |  |                                 |  |  |  |
|                                   | 16'          | 85                           | 1   | 108 | 1   | 133 | 2 |            |  |                                 |  |  |  |
|                                   | 20'          | 106                          | 1   | 135 | 2   | 166 | 2 |            |  |                                 |  |  |  |
|                                   | 24'          | 127                          | 2   | 162 | 2   | 194 | 2 |            |  |                                 |  |  |  |
|                                   | 28'          | 148                          | 2   | 188 | 2   | 232 | 2 |            |  |                                 |  |  |  |
|                                   | 32'          | 164                          | 2   | 215 | 2   | 265 | 3 |            |  |                                 |  |  |  |
| 36'                               | 190          | 2                            | 242 | 2   | 248 | 3   |   |            |  |                                 |  |  |  |
| 7:12<br>12:12                     | 12'          | 62                           | 1   | 76  | 1   | 94  | 1 |            |  |                                 |  |  |  |
|                                   | 16'          | 82                           | 1   | 102 | 1   | 125 | 2 |            |  |                                 |  |  |  |
|                                   | 20'          | 104                          | 1   | 127 | 2   | 156 | 2 |            |  |                                 |  |  |  |
|                                   | 24'          | 123                          | 2   | 153 | 2   | 187 | 2 |            |  |                                 |  |  |  |
|                                   | 28'          | 146                          | 2   | 178 | 2   | 218 | 2 |            |  |                                 |  |  |  |
|                                   | 32'          | 164                          | 2   | 204 | 2   | 250 | 3 |            |  |                                 |  |  |  |
| 36'                               | 185          | 2                            | 224 | 2   | 281 | 3   |   |            |  |                                 |  |  |  |

| TABLE 3.4 RAFTER FRAMING TO WALL CONNECTION FOR WIND LOADS |           |             |             |             |
|--|-----------|-------------|-------------|-------------|
| DEAD LOAD ROOF / CEILING = 15 PSF                          |           |             |             |             |
| 3 SEC WIND GUEST   | 120       | 130         | 140         |             |
| RAFTER SPACING   | ROOF SPAN | UPLIFT LOAD | UPLIFT LOAD | UPLIFT LOAD |
| 12"  | 12'       | 68#         | 94#         | 44#         |
|  | 16'       | 80#         | 110#        | 58#         |
|  | 20'       | 93#         | 128#        | 67#         |
|  | 24'       | 106#        | 146#        | 78#         |
|  | 28'       | 118#        | 164#        | 89#         |
|  | 32'       | 131#        | 182#        | 100#        |
| 16"  | 12'       | 41#         | 126#        | 65#         |
|  | 16'       | 107#        | 124#        | 148#        |
|  | 20'       | 124#        | 141#        | 171#        |
|  | 24'       | 141#        | 158#        | 194#        |
|  | 28'       | 158#        | 175#        | 217#        |
|  | 32'       | 175#        | 192#        | 240#        |
| 24"  | 12'       | 136#        | 184#        | 48#         |
|  | 16'       | 161#        | 222#        | 15#         |
|  | 20'       | 186#        | 256#        | 33#         |
|  | 24'       | 211#        | 292#        | 51#         |
|  | 28'       | 237#        | 328#        | 69#         |
|  | 32'       | 263#        | 364#        | 87#         |

| TABLE 3.11 WALL SHEATHING ATTACHMENT REQUIREMENTS FOR WIND LOADS |  |                            |   |   |     |    |   |    |   |     |     |
|--|--|----------------------------|---|---|-----|----|---|----|---|-----|-----|
| FASTEST MILE WIND SPEED (MPH)                                    |  |                            |   |   |     |    |   |    |   |     |     |
| 110  |  |                            |   |   | 120 |    |   |    |   | 130 | 140 |
| STRUCTURE SHEATHING<br>OR PANEL SIDING <sub>0</sub>              |  |                            |   |   |     |    |   |    |   |     |     |
| E F E F E F E F E F E F  |  |                            |   |   |     |    |   |    |   |     |     |
| SHEATHING LOCATION :   |  | STUD SPACING<br>(IN. O.C.) |   | MAX. NAIL SPACING FOR 8D<br>COMMON NAILS (IN. O.C.) |     |    |   |    |   |     |     |
| 4' EDGE ZONE   |  | 12                         | 6 | 12  | 6   | 12 | 6 | 12 | 6 | 12  | 6   |
|  |  | 16                         | 6 | 12  | 6   | 12 | 6 | 12 | 6 | 12  | 6   |
|  |  | 24                         | 6 | 12  | 6   | 12 | 6 | 12 | 6 | 12  | 6   |
|  |  | 36                         | 6 | 12  | 6   | 12 | 6 | 12 | 6 | 12  | 6   |
| INTERIOR ZONE  |  | 12                         | 6 | 12  | 6   | 12 | 6 | 12 | 6 | 12  | 6   |
|  |  | 16                         | 6 | 12  | 6   | 12 | 6 | 12 | 6 | 12  | 6   |
|  |  | 24                         | 6 | 12  | 6   | 12 | 6 | 12 | 6 | 12  | 6   |
|  |  | 36                         | 6 | 12  | 6   | 12 | 6 | 12 | 6 | 12  | 6   |
| BOARD SHEATHING OR<br>LAP SIDING                                 |  |                            |   |   |     |    |   |    |   |     |     |
| SHEATHING SIZE   |  | STUD SPACING<br>(IN. O.C.) |   | MIN. NUMBER OF 8D COMMON<br>NAILS PER FOOT          |     |    |   |    |   |     |     |
| 1X6 OR 1X8 SHEATHING   |  | 12-24                      |   | 2   |     | 3  |   | 3  |   | 3   |     |
| 1X10 OR LARGER SHEATHING   |  | 12-24                      |   | 2   |     | 3  |   | 3  |   | 3   |     |

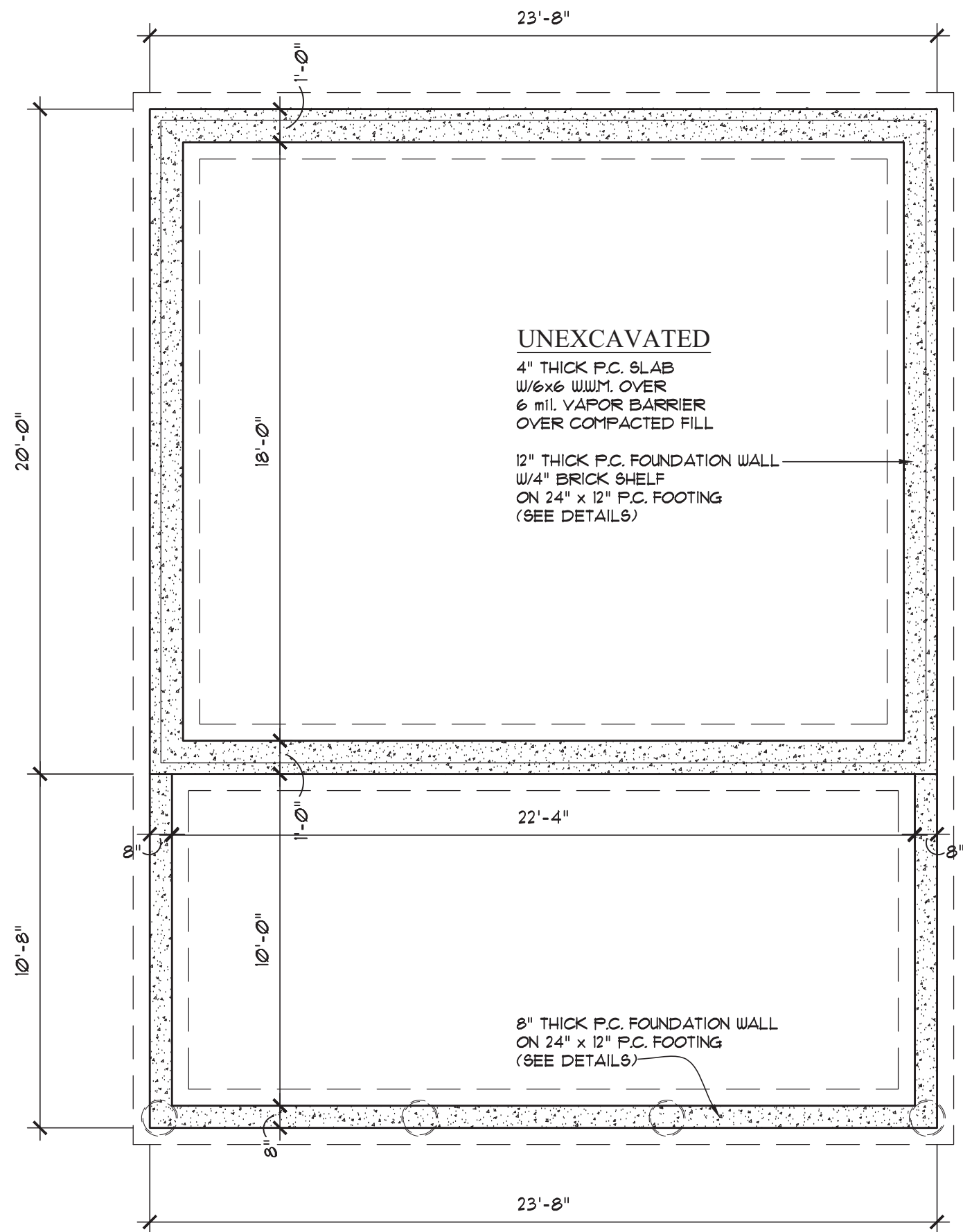
E= NAIL SPACING AT PANEL EDGES (S)

F= NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELDS (N)

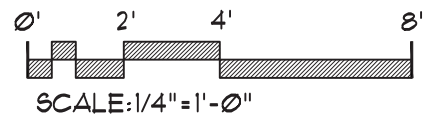
E- NAIL SPACING AT PANEL EDGES (IN)  
F- NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELDS (IN)

| TABLE 3.10 ROOF SHEATHING ATTACHMENT REQUIREMENTS FOR WIND LOADS    |  |                                 |   |   |  |   |     |    |     |   |     |   |   |
|---|--|---------------------------------|---|---|--|---|-----|----|-----|---|-----|---|---|
|   |  |                                 |   |   | FASTEST MILE WIND SPEED (MPH)          |   |     |    |     |   |     |   |   |
|   |  |                                 |   |   | 110                                    |   | 120 |    | 130 |   | 140 |   |   |
|   |  |                                 |   |   | STRUCTURE SHEATHING<br>OR PANEL SIDING |   |     |    |     |   |     |   |   |
|   |  |                                 |   |   | E                                      | F   | E   | F  | E   | F | E   | F |   |
| SHEATHING LOCATION  |  | RAFTER/TRUSS<br>SPACING IN O.C. |   | MAX. NAIL SPACING FOR 8D<br>COMMON NAILS (IN. O.C.) |  |   |     |    |     |   |     |   |   |
| 4' PERIMETER<br>EDGE ZONE   |  | 12                              | 2 | 6   | 12                                     | 2   | 6   | 12 | 2   | 6 | 12  | 2 | 6 |
|   |  | 16                              |   | 6   | 12                                     |   | 6   | 12 |     | 6 | 12  |   | 6 |
|   |  | 19.2                            |   | 6   | 12                                     |   | 6   | 12 |     | 6 | 12  |   | 6 |
|   |  | 24                              |   | 6   | 12                                     |   | 6   | 12 |     | 6 | 12  |   | 6 |
| INTERIOR ZONE   |  | 12                              | 2 | 6   | 12                                     | 2   | 6   | 12 | 2   | 6 | 12  | 2 | 6 |
|   |  | 16                              |   | 6   | 12                                     |   | 6   | 12 |     | 6 | 12  |   | 6 |
|   |  | 19.2                            |   | 6   | 12                                     |   | 6   | 12 |     | 6 | 12  |   | 6 |
|   |  | 24                              |   | 6   | 12                                     |   | 6   | 12 |     | 6 | 12  |   | 6 |
| GABLE ENDWALL RAKE AND TRUSS  |  |                                 |   | 6   |  | 6   |     | 6  |     | 6 |     | 6 |   |
| SHEATHING SIZE  |  |                                 |   | STUD SPACING<br>(IN. O.C.)                          |  | BOARD SHEATHING<br>MIN. NUMBER OF 8D COMMON<br>NAILS PER FOOT |     |    |     |   |     |   |   |
| 1X6 OR 1X8 SHEATHING  |  |                                 |   | 12-19.2   |  | 2   |     | 2  |     | 2 |     | 2 |   |
| 1X10 OR LARGER SHEATHING  |  |                                 |   | 12-19.2   |  | 3   |     | 3  |     | 3 |     | 3 |   |
| 5- NAIL SPACING AT PANEL EDGES (IN.)                                |  |                                 |   |   |  |   |     |    |     |   |     |   |   |
| 11- NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELDS (IN.) |  |                                 |   |   |  |   |     |    |     |   |     |   |   |





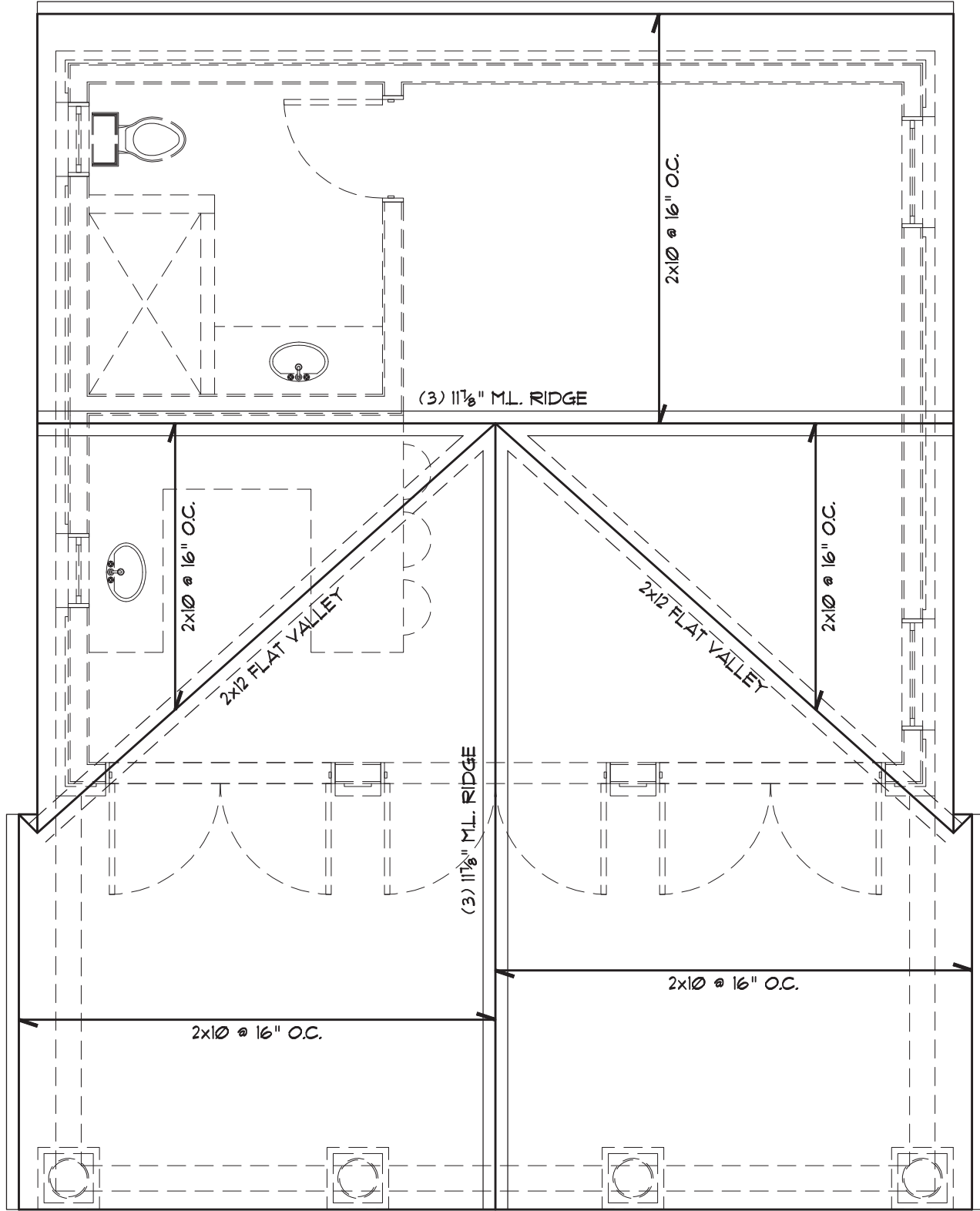
FOUNDATION PLAN



FOUNDATIONS:

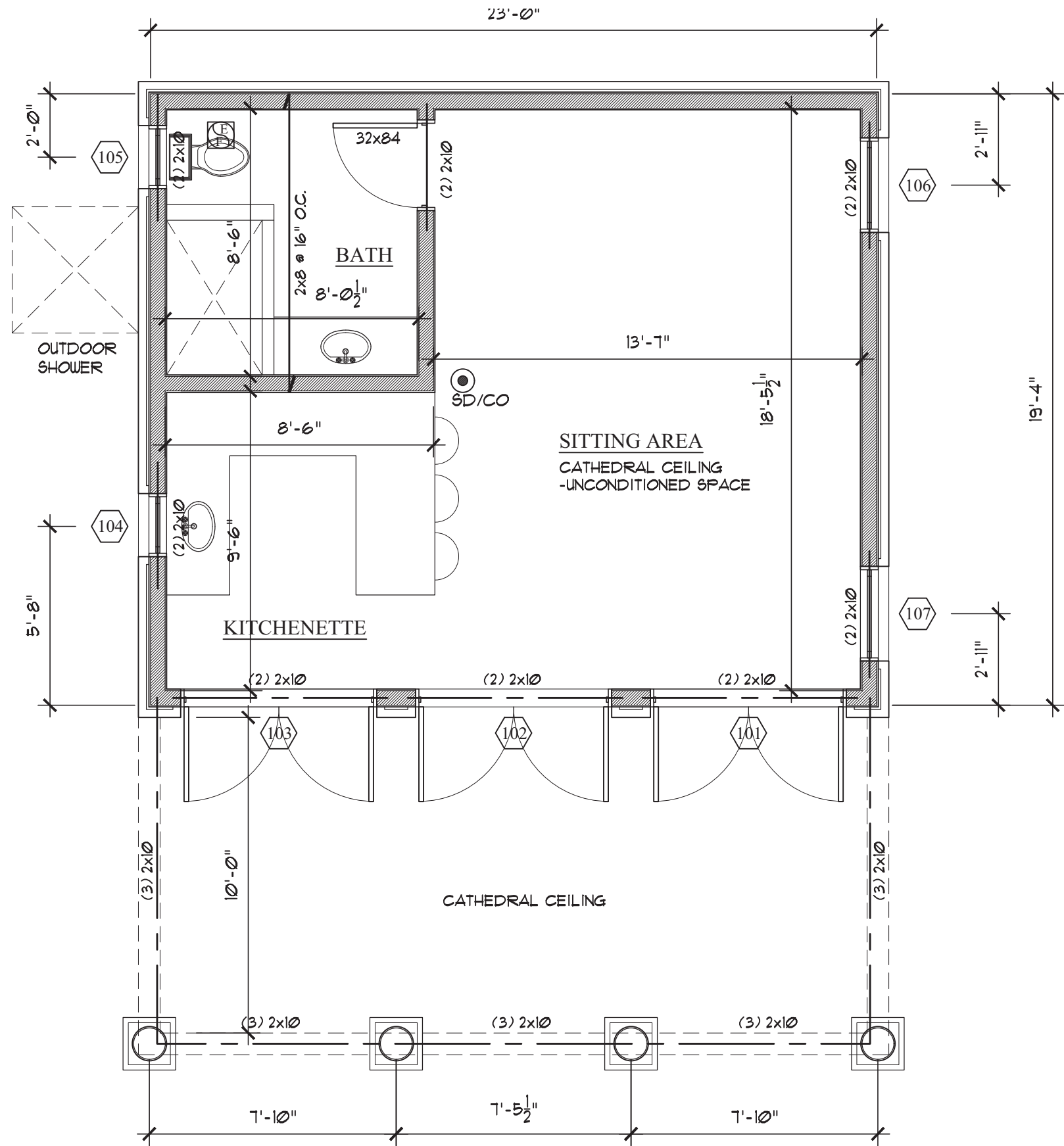
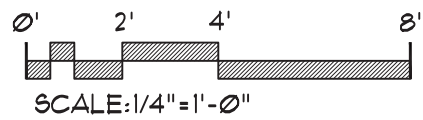
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED CONTROLLED FILL HAVING A PRESUMPTIVE BEARING CAPACITY OF 2 TONS PER SQUARE FOOT, MIN. FOUNDATION FOOTINGS ARE TO BE MIN. 12" DEEP PROJECTING 6" ON EACH SIDE OF THE FOUNDATION WALL.
- MINIMUM DEPTH TO CONCRETE WALL OR FOOTING BOTTOMS ARE SHOWN ON PLAN. FOOTING BOTTOMS MAY BE LOWERED TO ADEQUATE BEARING SOILS OR UNSUITABLE MATERIALS MAY BE REMOVED AND REPLACED BY ENGINEER CONTROLLED FILL.
- FILL BELOW SLABS ON THE GROUND SHALL BE PLACED IN LIFTS NOT EXCEEDING 8" IN THICKNESS AND COMPACTED TO 95% OF THE MODIFIED STANDARD DENSITY AS PER ASTM D-1557. SOIL FILL BELOW SLABS ON GROUND AND BEHIND WALLS SHALL BE A POUROUS, GRANULAR MATERIAL WITH 12% MAX. FINE MATERIAL WHICH PASSES A NO. 200 SIEVE.
- TRUCKS, BULLDOZERS, OR OTHER HEAVY EQUIPMENT SHALL BE OPERATED WITH CAUTION AND IN SUCH A MANNER AS TO NOT DAMAGE THE WALLS.

- ALL CONCRETE WORK MATERIALS DETAILS AND CONSTRUCTION METHODS SHALL COMPLY WITH "SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS," ACI 301, AND BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318, LATEST EDITIONS OF THE AMERICAN CONCRETE INSTITUTE AND WITH THE REQUIREMENTS OF THE LOCAL BUILDING CODE.
- NO CONCRETE OR MASONRY WORK SHALL BE DONE DURING TEMPERATURES OF 40 DEGREES F. AND FALLING. NO CONCRETE SHALL BE PLACED ON FROZEN SURFACES. NO ADDITIVES SHALL BE ALLOWED WITHOUT WRITTEN PERMISSION OF THE ARCHITECT.
- CAST-IN-PLACE CONCRETE SHALL CONSIST OF STONE AGGREGATE MIX ACHIEVING A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT AGE 28 DAYS.
- CONCRETE FOR STRUCTURAL MEMBERS SHALL BE PLACED TO THE FULL DEPTH OF THE MEMBER IN ONE OPERATION. HORIZONTAL JOINTS ARE NOT PERMITTED UNLESS SHOWN ON PLAN OR SECTION.

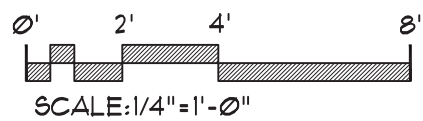


TYPICAL ROOF CONSTRUCTION:  
SLATE ROOF SHINGLES  
TO MATCH MAIN HOUSE  
(INSTALL AS PER MANUF. SPECS)  
OVER ICE/WATER MIN. 2" BEYOND  
WALL PLATE OVER 5/8" CDX  
PLYWOOD SHEATHING W/ ROOF  
RAFTERS AS PER FRAMING PLANS.  
NAILING IN ACCORDANCE WITH NYS  
CODE NAILING SCHEDULE

ROOF PLAN

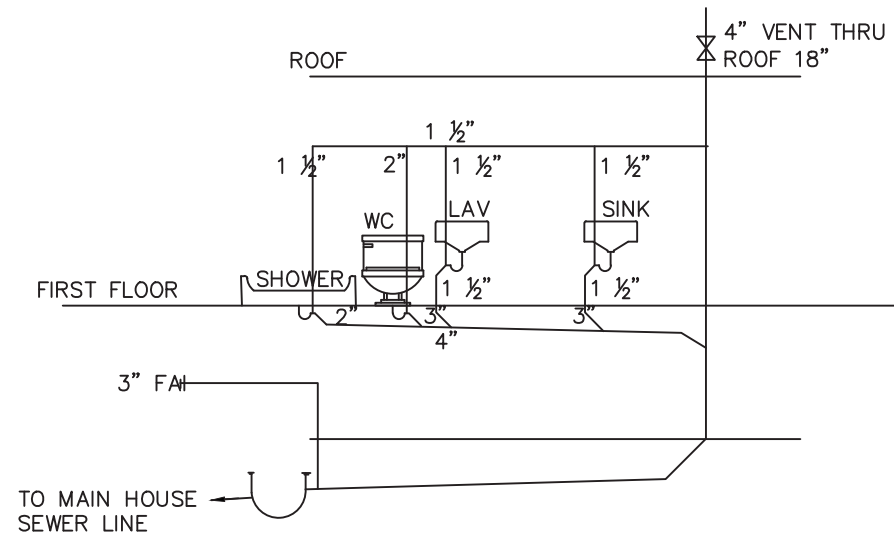


FLOOR PLAN



| WINDOW SCHEDULE: |                           |       |               |
|------------------|---------------------------|-------|---------------|
| TAG #            | UNIT TYPE                 | H.H.  | GRILL PATTERN |
| 101              | 6'-0" x 1'-0" FRENCH DOOR | 1'-0" | SEE ELEVATION |
| 102              | 6'-0" x 1'-0" FRENCH DOOR | 1'-0" | SEE ELEVATION |
| 103              | 6'-0" x 1'-0" FRENCH DOOR | 1'-0" | SEE ELEVATION |
| 104              | 2'-6" x 3'-6" CASEMENT    | 1'-0" | SEE ELEVATION |
| 105              | 2'-6" x 3'-6" CASEMENT    | 1'-0" | SEE ELEVATION |
| 106              | 2'-6" x 4'-2" CASEMENT    | 1'-0" | SEE ELEVATION |
| 107              | 2'-6" x 4'-2" CASEMENT    | 1'-0" | SEE ELEVATION |

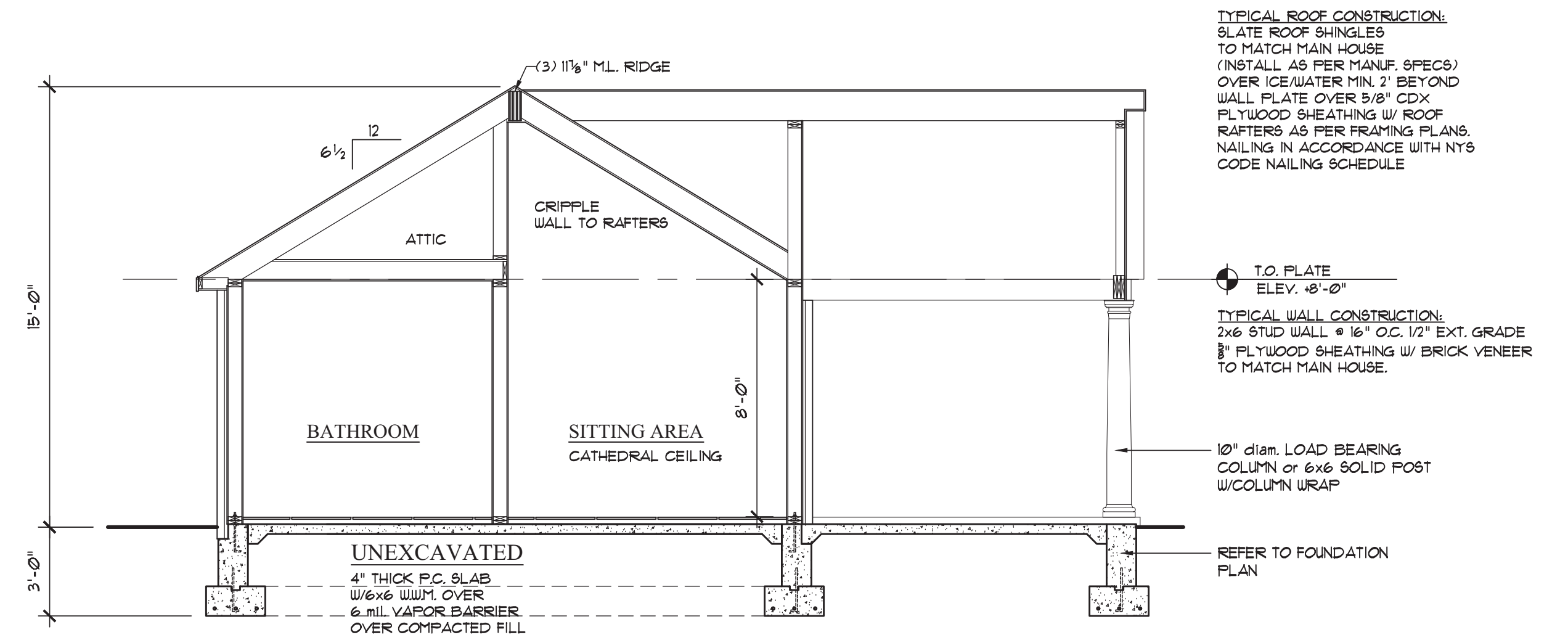
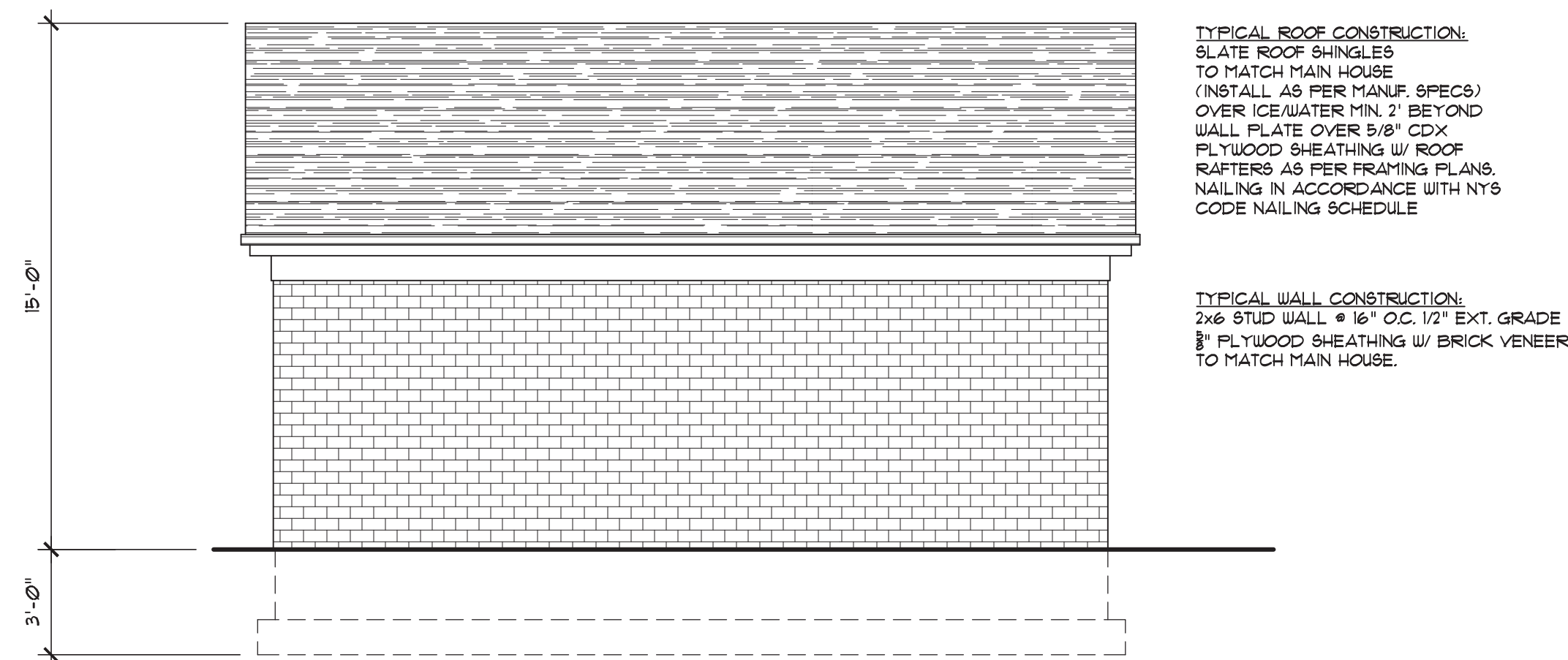
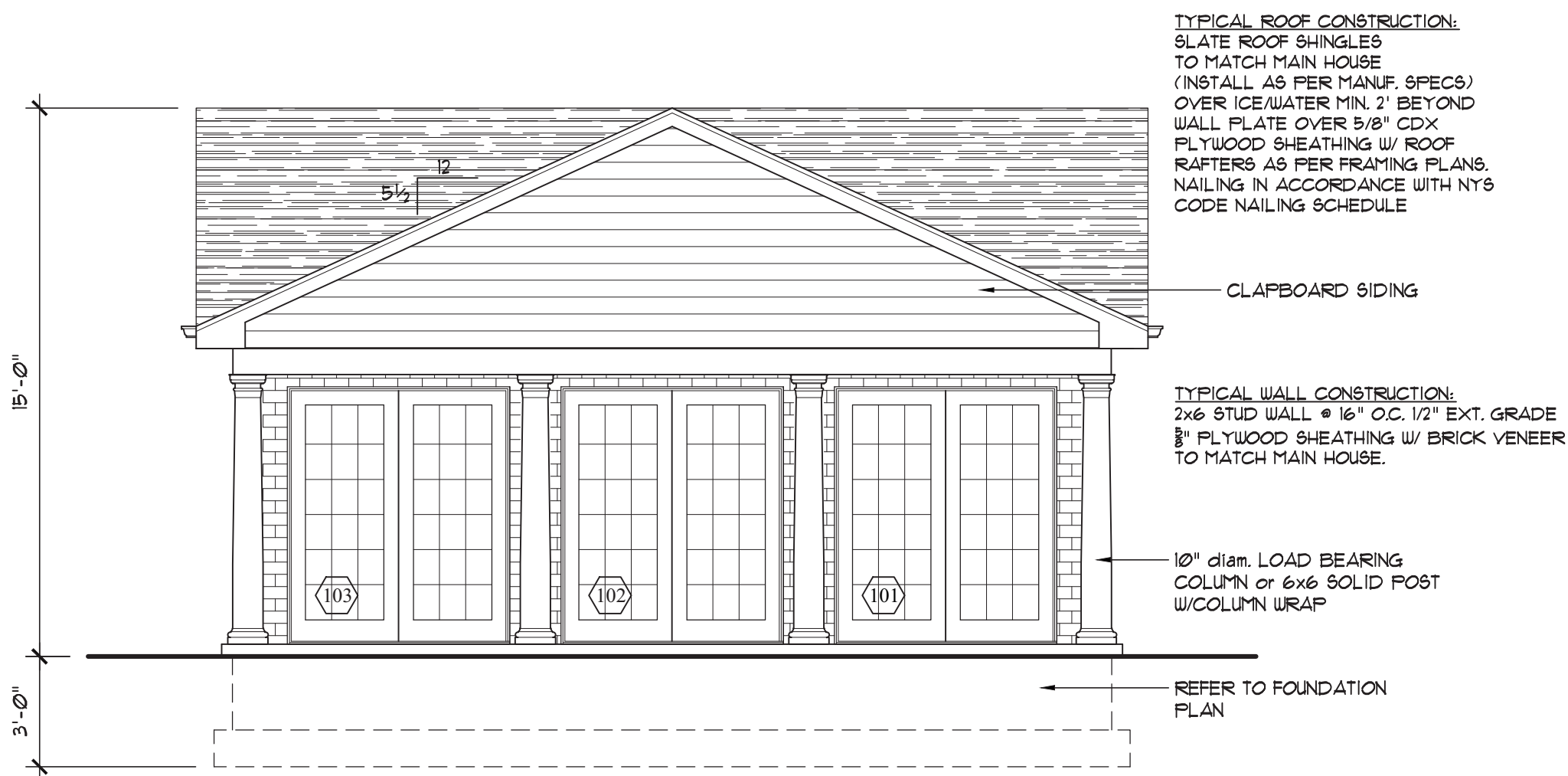
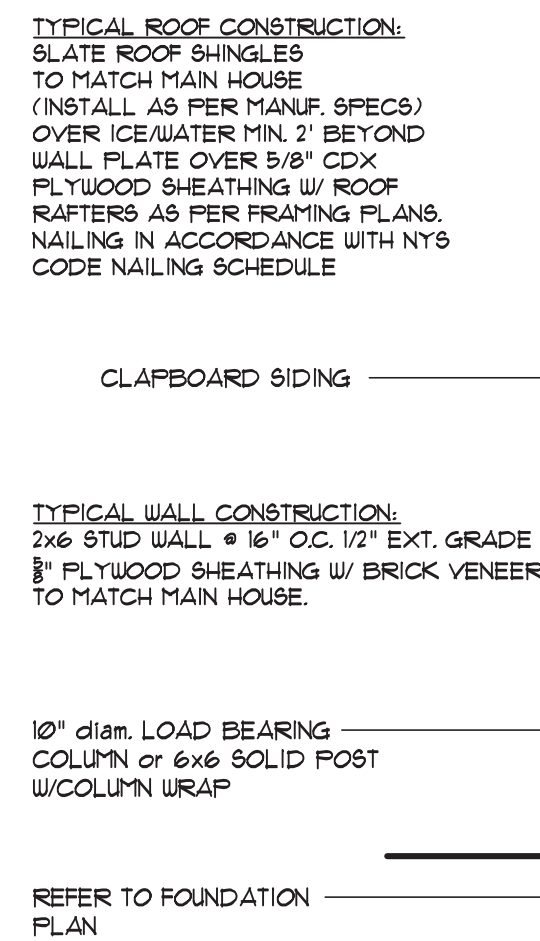
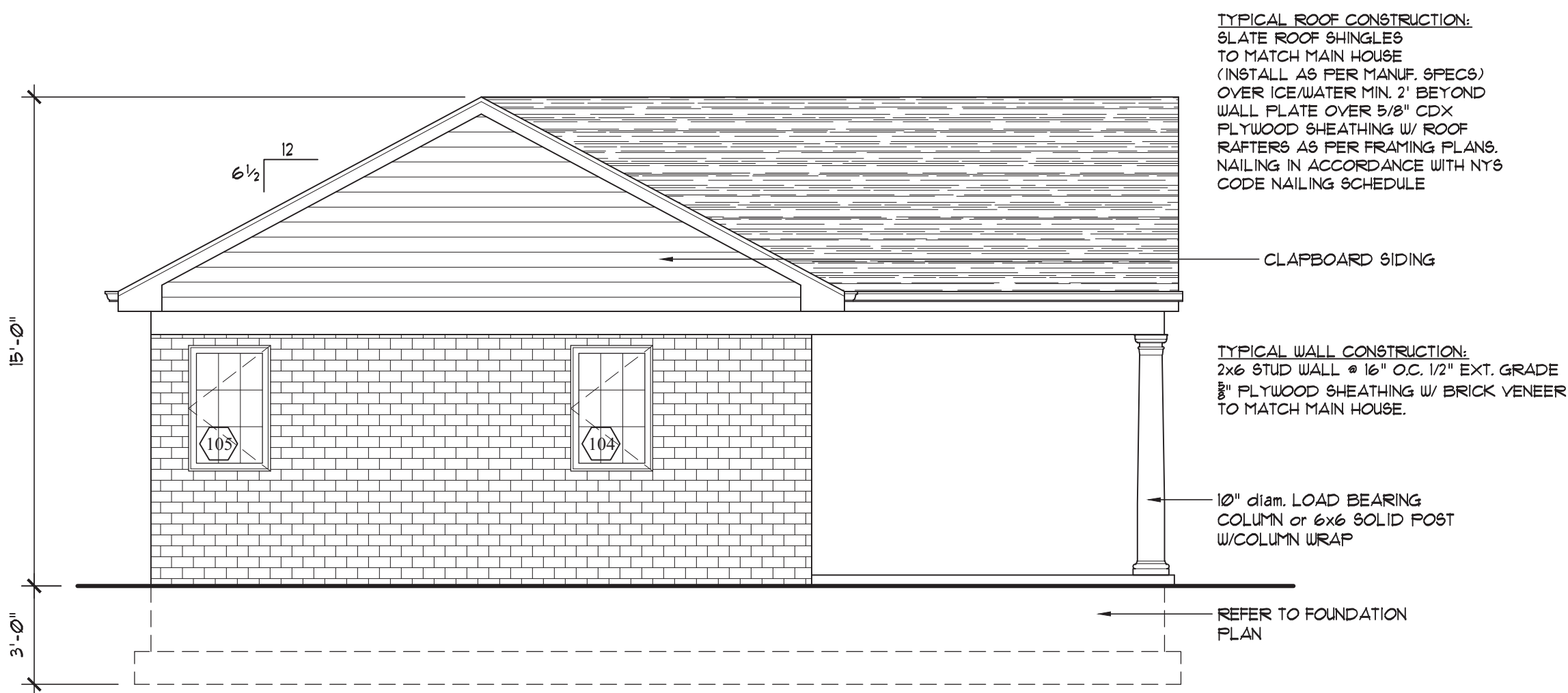
NOTES:  
1- WINDOWS/DOORS TO BE ANDERSEN 400 SERIES OR SIMILAR  
2- STANDARD HARDWARE AND SCREENS



PLUMBING RISER DIAGRAM

SCALE: N.T.S.

|   |                    |                   |
|---|--------------------|-------------------|
|   |                    |                   |
| 1   | 3-8-23             | ISSUED FOR DENIAL |
| revision:   | date:              | description:      |
| <b>PROPOSED POOL CABANA</b><br>FOR<br>PRIVATE RESIDENCE<br>130 WOODMERE DRIVE, VILLAGE OF HEWLETT NECK, NY<br><b>BKH</b><br><b>ARCHITECT</b> pllc<br>183 pat drive, west Islip, ny 11745<br>631-241-1328 bkharchitect@gmail.com |                    |                   |
|   | drawn by:<br>rjm   | sheets in set:    |
|   | checked by:<br>bkh |                   |
|   | date:              |                   |
|   | file:              |                   |



|           |        |                   |
|-----------|--------|-------------------|
| revision: | 3-8-23 | ISSUED FOR DENIAL |
| date:     |        | description:      |

PROPOSED POOL CABANA  
FOR  
PRIVATE RESIDENCE  
130 WOODMERE DRIVE, VILLAGE OF HEWLETT NECK, NY

**BKH**  
**ARCHITECT** | pllc

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631-241-1328 bkharchitect@gmail.com

|                    |                |
|--------------------|----------------|
| drawn by:<br>rjm   | sheets in set: |
| checked by:<br>bkh |                |
| date:              |                |
| file:              |                |

A-2