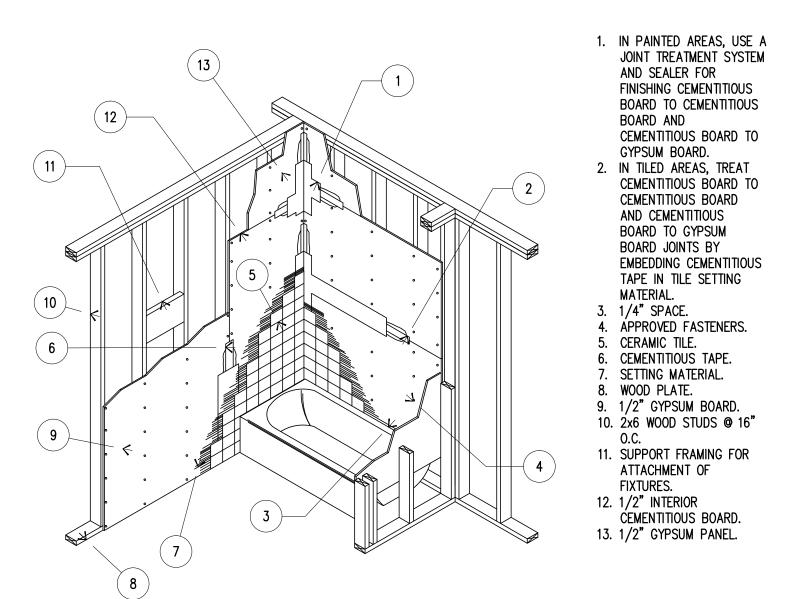
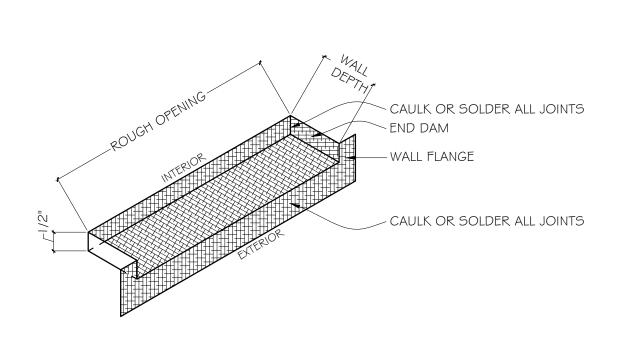


1. IN PAINTED AREAS, USE A JOINT TREATMENT SYSTEM AND SEALER FOR FINISHING CEMENTITIOUS BOARD TO CEMENTITIOUS BOARD AND

- CEMENTITIOUS BOARD TO GYPSUM BOARD. 2. IN TILED AREAS, TREAT CEMENTITIOUS BOARD TO CEMENTITIOUS BOARD AND CEMENTITIOUS BOARD TO GYPSUM BOARD JOINTS BY EMBEDDING CEMENTITIOUS TAPE IN TILE SETTING
- MATERIAL. 3. SHOWER FLOOR TILE 4. APPROVED FASTENERS. . CERAMIC TILE. CEMENTITIOUS TAPE. SETTING MATERIAL. 8. WOOD PLATE.
- ATTACHMENT OF FIXTURES. 12. 1/2" INTERIOR
- CEMENTITIOUS BOARD. 13. 1/2" GYPSUM PANEL.



15" ___ 15" ___ MIN. MIN. TUB



NOTES: SILL PAN SHALL BE VINYL, 16 OZ. COPPER, OR APPROVED EQUAL

PAN SHALL BE INSTALLED OVER 15# ROUGH OPENING WRAP

TILE SHOWER DETAIL

NOT TO SCALE

BATHTUB DETAIL

NOT TO SCALE

BATHROOM FIXTURE CLEARANCES

____I 2" LVL RIDGE

NOT TO SCALE

NOT TO SCALE

NOTES:

1) AS PER SECTION 2603.4 OF THE 2015 IBC, ANY FOAM PLASTIC (SPRAY POLYURETHANE FOAM INSULATION) SHALL BE SEPARATED FROM THE INTERIOR OF A BUILDING BY AN APPROVED THERMAL BARRIER OF 1/2" THICK GYPSUM WALLBOARD.

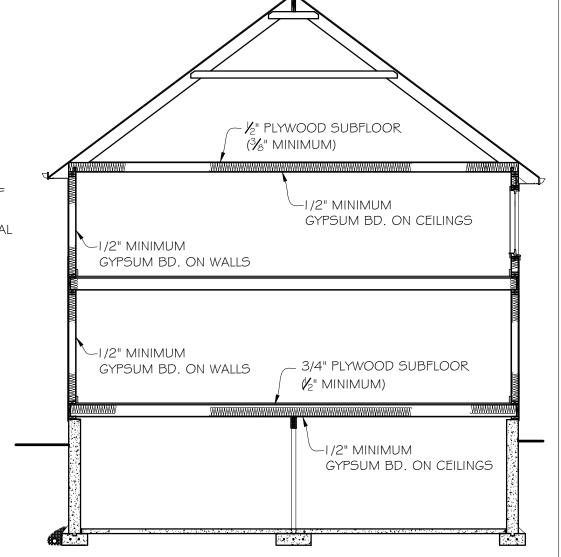
2) AS PER SECTION 2603.4.1.14 OF THE 2015 IBC, A THERMAL BARRIER AS PER 2603.4 IS NOT REQUIRED TO BE INSTALLED ON THE WALKING SURFACE OF A STRUCTURAL FLOOR SYSTEM THAT CONTAINS FOAM PLASTIC INSULATION WHEN THE FOAM PLASTIC IS COVERED BY A MINIMUM OF 1/2" THICK STRUCTURAL WOOD PANELS.

3) AS PER SECTION 2603.4.1.6 OF THE 2015 IBC, WITHIN AN ATTIC WHERE ENTRY IS MADE ONLY FOR SERVICE OF UTILITIES, FOAM PLASTIC INSULATION SHALL BE COVERED BY 1/4" THICK MINIMUM WOOD STRUCTURAL PANELS.

4) AS PER SECTION 2603.4.1.13 OF THE 2015 IBC, FOAM PLASTIC SPRAY APPLIED TO SILL PLATES, JOIST HEADERS AND RIM JOISTS IS SUBJECT TO ALL THE FOLLOWING:

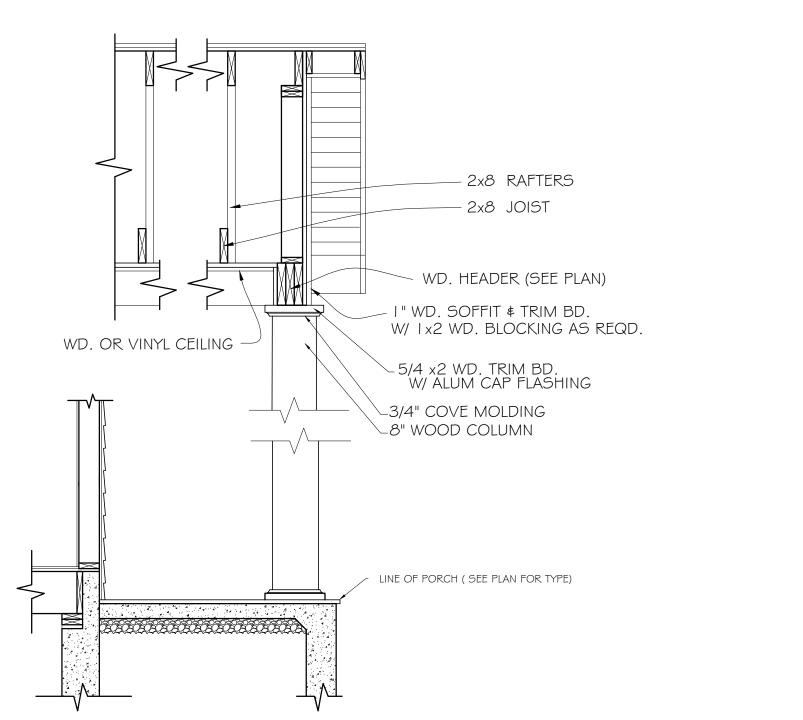
> A) THE MAXIMUM THICKNESS OF THE FOAM PLASTIC SHALL BE $3 lac{1}{4}$ ". B) THE DENSITY OF THE FOAM SHALL BE IN THE RANGE OF 1.5 TO 2

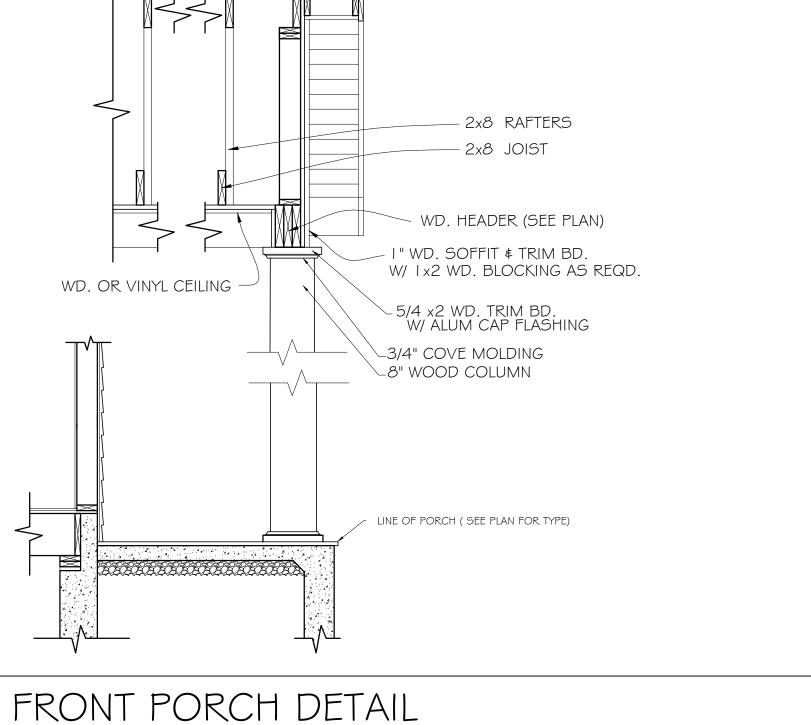
C) THE FOAM PLASTIC SHALL HAVE A FLAME SPREAD INDEX OF 25 OR LESS AND AN ACCOMPANYING SMOKE DEVELOPED INDEX OF 450 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723.

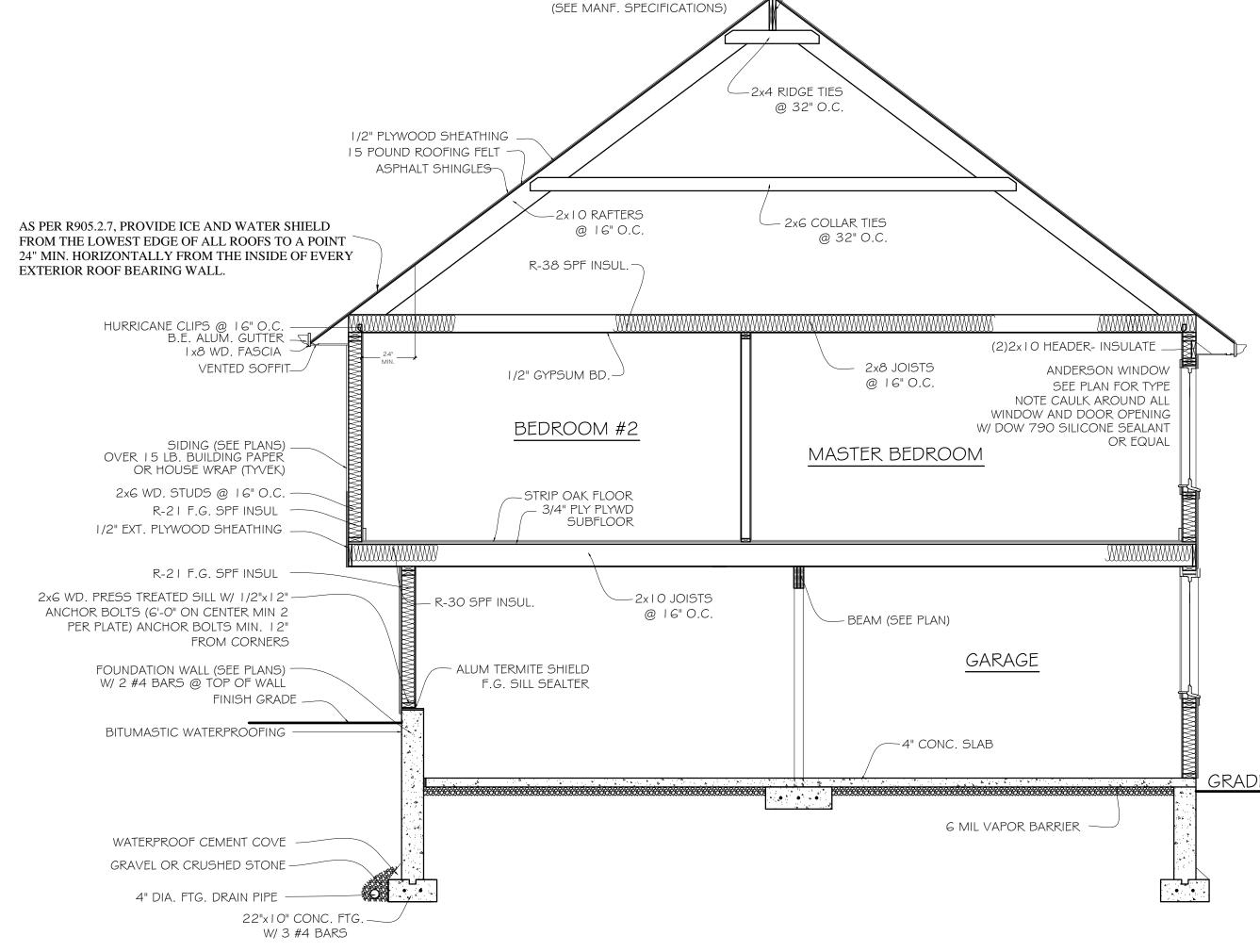


THERMAL BARRIER DETAIL

NOT TO SCALE







SHINGLE CAP (SEE MANF. SPEC.) —

LOW PROFILE SHINGLE VENT II BY -

AIR VENT INC. SECURE W/ GAL.

NAILS CAULK @ EA. PENETRATION

DOOR SILL PAN DETAIL

| WINDOW SCHEDULE | | | | SAFETY GLASS MUST BE LASER ETCHE | |
|------------------|------------|----------|--------|----------------------------------|--|
| QUANTITY USED | CATALOG # | U-FACTOR | EGRESS | SAFETY GLASS | LOCATION |
| 13 | WDH3046 | 0.29 | YES | NO | M. BEDRM., GARAGE BR #2, 3, 4, LIVING RM. |
| 1 | WDH3846 | 0.29 | YES | NO | FAMILY ROOM |
| 1 | WDH20310 | 0.29 | NO | YES | LOWER BATHRM. |
| I | 45-3446-20 | 0.29 | NO | NO | M. BATH. |
| 2 | FWG6068L | 0.28 | YES | YES | DINING ROOM, FAM.RM. |
| 1 | CW235 | 0.29 | NO | NO | KITCHEN |

WINDOW SCHEDULE

LIGHT AND VENTILATION REQUIREMENTS

| LOCATION | SQUARE FOOTAGE | NATURAL LIGHT | | NATURAL VENTILATION | |
|---------------------------------------|-------------------|---------------|----------|---------------------|----------|
| 2007(1101) | | REQUIRED (8%) | PROVIDED | REQUIRED (4%) | PROVIDED |
| LIVING RM., KITCHEN, DINING RM. | 635 | 50.8 | 66.71 | 25.4 | 43.31 |
| FAMILY ROOM | 432 | 34.56 | 36.75 | 17.28 | 21.8 |
| MASTER BEDROOM | 277 | 22.16 | 20.62 | 11.08 | 11.46 |
| BEDROOM #2 | 150 | 12 | 20.62 | 6 | 11.46 |
| BEDROOM #3 | 145 | 11.6 | 20.62 | 5.8 | 11.46 |
| BEDROOM #4 | 197 | 15.76 | 20.62 | 7.88 | 11.46 |

NOTE: WHERE WHOLE HOUSE VENTILATION SYSTEM IS REQUIRED, IT IS TO BE DESIGNED IN ACCORDANCE WITH SECTION M | 507.3 OF TO 2015 IRC. *NOTE: WHERE LIGHT AND VENTILATION REQUIREMENTS ARE NOT MET NATURALLY, THEY MUST BE MADE UP BY MECHANICAL MEANS.

LIGHTING AND VENTILATION

ROY A. FREDRIKSEN, PE

DESIGN • PLANNING • CONSULTING ENGINEERING 266 SHEAR HILL RD. • MAHOPAC, NY 10541 • 845-621-4000 RAYEXDESIGN@GMAIL.COM

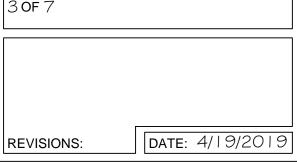
DRN BY:

CHKD BY:

TAX MAP #:

OWNER: PANBAR, LLC PROJECT: NEW HOUSE TO BE BUILT ON 3617 BUCKHORN RD. IN YORKTOWN.

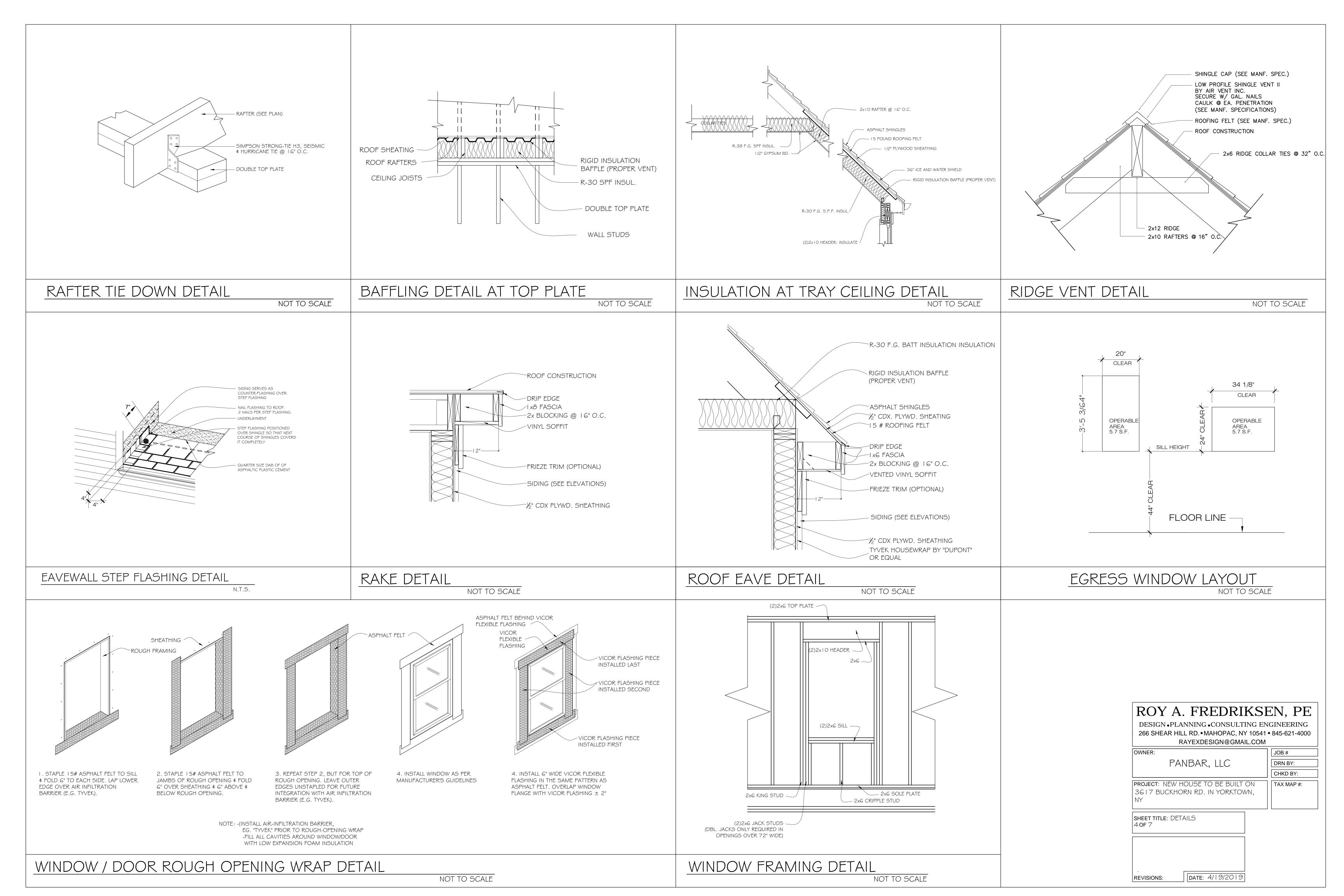
SHEET TITLE: DETAILS

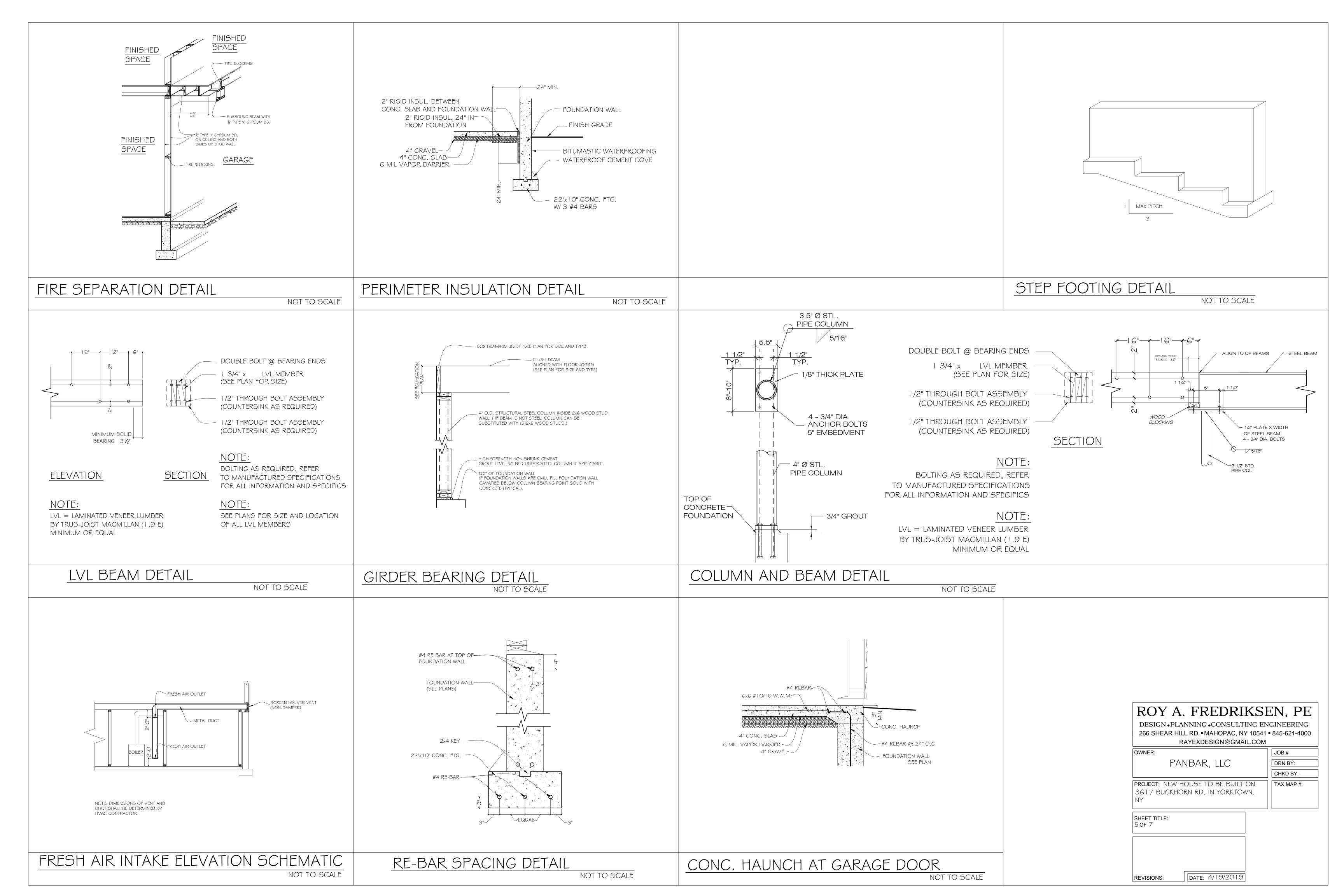


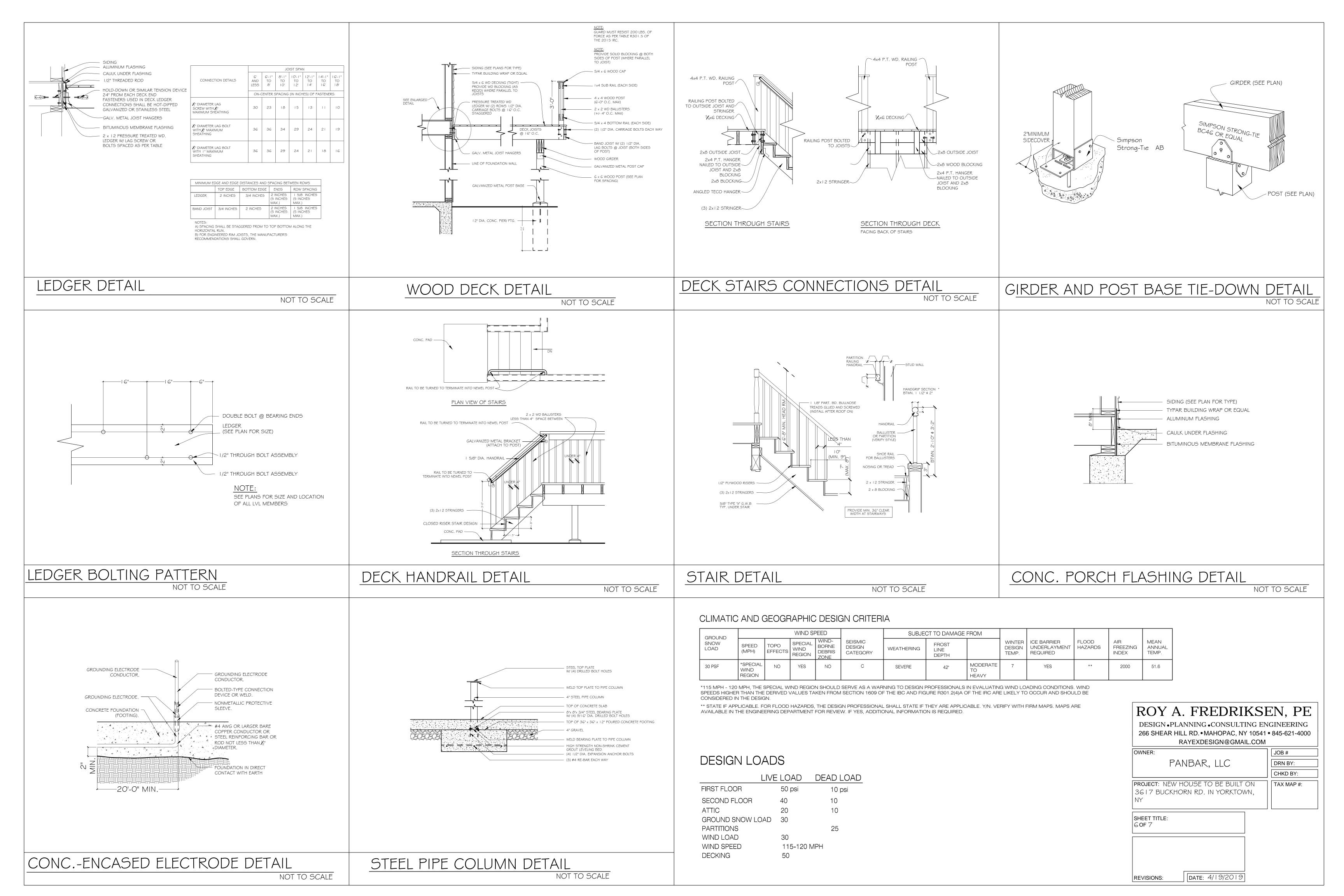
SECTION A-A

NOT TO SCALE

NOT TO SCALE







GENERAL NOTES

- THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE ALL WORK, ETC., AS SHOWN ON THE DRAWINGS NECESSARY FOR A COMPLETE JOB, UNLESS OTHERWISE SPECIFIED. ALL MATERIAL AND WORKMANSHIP SHALL BE OF BEST QUALITY.
- 2- ALL WRITTEN FIGURES (NOTES AND DIMENSIONS) ON THE FLOOR PLANS OR SPECIFICATIONS SHALL TAKE PRECEDENCE OVER ANY DRAWN FIGURES (ELEVATIONS). DO NOT SCALE PRINTS. ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES ON THE PLANS OR SPECIFICATIONS MUST BE REPORTED TO THE OWNER OR THE DESIGNER PRIOR TO THE START OF CONSTRUCTION. ALL WORK AND MATERIALS MUST CONFORM TO ALL LOCAL AND THE RESIDENTIAL CODE, NATIONAL ELECTRICAL CODE, ENERGY CONSERVATION COMPLIANCE CODE AND REQUIREMENTS OF THE BOARD OF HEALTH.
- 3- SITE CONDITIONS: THE GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS BEFORE SUBMITTING HIS PROPOSAL. NO ALLOWANCE FOR EXTRA CHARGES WILL BE PERMITTED BECAUSE OF LACK ON KNOWLEDGE OF THE CONDITIONS PECULIAR THERETO EXCEPT AS OTHERWISE SPECIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL VERIFY ALL LINES, LEVELS AND DIMENSIONS SHOWN ON THE DRAWINGS AND WILL BE HELD RESPONSIBLE FOR THE CORRECTNESS AND SETTING OUT OF HIS WORK.
- 4- SUBCONTRACTORS: THESE CONDITIONS ARE BINDING ON THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR INSOFAR AS THEY APPLY TO THE WORK OF EITHER.
- INSURANCE: THE GENERAL CONTRACTOR SHALL PROTECT THE JOB FROM CLAIMS UNDER WORKMAN'S COMPENSATION AND PUBLIC LIABILITY ACTS AND FROM ANY CLAIMS FOR PERSONAL INJURY, INCLUDING DEATH, WHICH MAY ARISE UNDER THIS CONTRACT, WHETHER BY HIMSELF BY ANY SUB-CONTRACTOR OR ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY HIM. CERTIFICATES OF INSURANCE SHALL BE FILED WITH THE OWNER BEFORE STARTING JOB AND SHALL BE SUBJECT TO OWNER'S APPROVAL
- 6- CONTRACTOR AND/OR ANY SUB-CONTRACTOR ARE TO PERFORM ALL WORKS AS SHOWN, IMPLIED OR THAT IS REQUIRED TO PROVIDE A COMPLETE AND FINISHED KEY-IN LOCK JOB EVEN IF EACH AND EVERY SPECIFIC ITEM IS NOT SPECIFICALLY CALLED FOR.
- 7- WHILE EVERY ATTEMPT HAS BEEN MADE IN PREPARATION OF THESE PLANS TO AVOID MISTAKES, THE PREPARER CANNOT GUARANTEE AGAINST HUMAN ERROR THE CONTRACTOR ON THE JOB MUST CHECK AND CONFIRM ALL DETENTIONS AND DETAILS AND BE RESPONSIBLE FOR SAME.
- 8- THE PLANS DESIGNED TO MEET THE STANDARDS OF THE 2010 EDITION OF THE NYSBC.

SITE PREPARATIONS AND LANDSCAPING

- 1- CLEARING OF TREES TO BE AS PER CONTRACT DIRECTION OR AS MINIMUM AS POSSIBLE TO ACCOMMODATE BUILDING, DRIVEWAY.
- 2- TOP SOIL IN CLEARED AREA TO BE REMOVED AND STORED FOR REUSE.
- 3- PROTECT ALL REMAINING TREES AGAINST DAMAGE.
- 4- GRADING, CUTTING AND FILLING SHALL BE AS MINIMUM AS POSSIBLE TO TRANSFORM EXISTING GRADES TO GRADES SHOWN ON DRAWINGS OR AS REQUIRED FOR ALL WORK.
- 5- CERTIFY THAT ALL PROPER SETBACKS HAVE BEEN MET AFTER FOOTINGS HAVE BEEN FORMED AND PRIOR TO CONCRETE BEING POURED.

EXCAVATION

- EXCAVATE AS REQUIRED TO ALLOW FOR THE CONSTRUCTION OF THE BUILDING SHOW ON PLANS.
- 2- EXCAVATE ALL EARTH, BOULDERS, LOOSE AND SOFT ROCK TO THE LINES AND DEPTHS INDICATED ON THE DRAWINGS. ALL FOOTINGS TO BEAR ON SOLID, UNDISTURBED EARTH. EXCAVATE FOR ALL UTILITIES AS REQUIRED.
- 3- FOOTINGS: TO BEAR 42" BELOW LINE OF SOLID UNDISTURBED EARTH. DESIGN OF FOOTINGS ARE BASED ON 2,000 PSI SOIL. IF SOIL BEARING CONDITIONS ARE QUESTIONABLE, CONTRACTOR SHALL CONSULT ENGINEER FOR FOOTING DESIGN SLOPED FOOTINGS SHALL BE 1:2 MAX. SLOPE. PROVIDE (3) #4 BARS CONTINUOUS (REFER TO WALL SECTION). ALL FOOTINGS BEARING ON ROCK WITH A SLOPE GREATER THAN 7:12 (30 DEGREES) W/ #4 DOWELS @ 24" O/C MAX.
- 4- FINISH GRADING SHALL BE ESTABLISHED TO PROVIDE SURFACE DRAINAGE IN ALL DIRECTIONS AWAY FROM THE HOUSE AND EXCAVATED AREAS.
- 5- EXCAVATION FOR FOOTINGS TO BE GENERALLY TO DEPTH SHOWN OR TO VIRGIN SOIL, BUT IN NO CASE LESS THAN 42" BELOW FINISHED GRADE UNLESS FOOTINGS ARE SET ON ROCK-LEDGE.
- 6- WHEN BACKFILLING AGAINST BASEMENT FOUNDATION WALLS, NO HEAVY MACHINERY TO COME WITHIN 8' OF FOUNDATION.

CONCRETE

- 1- IT IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE SURE THAT THE SOIL BEARING CAPACITY IS 2,000 PSF MINIMUM.
- 2- POUR CONCRETE FOR FOOTINGS CONTINUOUSLY AND STIFFLY, SIZE AS SHOWN ON PLANS. FOOTING TO BE REINFORCED WITH (3) #4 RE-BAR AND POURED AT 42" BELOW GRADE FOR ALL POINTS EXCEPT WHERE IT BEARS ON ROCK-LEDGE, #6 RE-BAR TO BE USING TO PIN FOOTINGS TO ROCK, REINFORCEMENT MAYBE ELIMINATED.
- 3- CONCRETE SHALL BE A MIN. F'C = 3,000 PSI COMPRESSIVE STRENGTH FOR FOOTINGS & FOUNDATION WALLS AND F'C = 3,500 PSI COMPRESSIVE STRENGTH FOR PORCHES, STEPS & GARAGE FLOORS. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST AMERICAN CONCRETE INSTITUTE (ACI) GUIDELINES.
- 4- CONCRETE FLOORS: SHALL HAVE A SMOOTH, DENSE STEEL TROWEL FINISH, SUITABLE TO RECEIVE COMPOSITIONS FLOORING. CONCRETE FLOORS IN LIVING AREAS SHALL HAVE 6 MIL. POLY VAPOR BARRIER AND 2"x 24" (MIN.) RIGID POLYSTYRENE FOAM INSULATION AROUND THE PERIMETER OF THE SLAB, WHERE SLAB IS WITHIN 2'-0" OF GRADE. PITCH ALL GARAGE FLOOR FOR DRAINAGE. (1/8 /FT.MIN.)
- 5- POURED CONCRETE FOUNDATION SHALL COMPLY WITH THE LATEST EDITION OF AMERICAN CONCRETE INSTITUTE SPECIFICATIONS AND SHALL BE PLUMB, STRAIGHT, LEVEL AND TRUE. FORMS TO BE PROPERLY CONSTRUCTED TO HOLD CONCRETE. PROVIDE (2) #4 BARS LOCATED AT TOP AND BOTTOM OF WALL. ALL REINFORCING BARS FOR CONCRETE WORK SHALL CONFORM TOA.S.T.M. A615 GRADE 60.
- 6- MASONRY (IF ANY) CONCRETE BLOCK SHALL BE LOAD BEARING LAID LEVEL, PLUMB AND STRAIGHT IN A FULL BED OF CEMENT MORTAR (TYPE "S") WITH GALVANIZED METAL TRUSS-TYPE TIES @ 24" HORIZONTAL AND VERTICAL. ALL JOINTS TO BE WELL TOOLED. ALL MASONRY WORK SHALL CONFORM TO ACI 530 CODE AND ALL REINFORCEMENT WORK SHALL CONFORM TO ACI 530 CODE AND ALL REINFORCEMENT WORK SHALL CONFORM TO ACI 318-71. FILL TOP TWO COURSES SOLID WITH CEMENT MOTOR.
- 7- PROVIDE BITUMASTIC WATERPROOFING OVER 1/2" CEMENT PARGE WITH ANIT-HYDRO ON THE OUTSIDE OF ALL FOUNDATION WALLS. PROVIDE WATERPROOF CEMENT COVE WHERE FOUNDATION WALL MEETS FOOTINGS.

TERMITE PROTECTION

- 1- WHERE REQUIRED UTILIZE CONTINUOUS METAL SHIELD AND PRESSURE TREATED SILL
- 2- OPTIONAL SOIL POISONING WITH APPROVED CHEMICALS TO BE ADDED DURING BACKFILLING.

LUMBER AND FRAMING

- 1- ALL FRAMING TO BE IN ACCORDANCE WITH THE BUILDING CODE.
- 2- ALL FRAMING LUMBER TO BE CONSTRUCTION GRADE #2 DOUGLAS FIR OR BETTER. ALL PRESSURE TREATED LUMBER TO BE SOUTHERN YELLOW PINE WHICH TO BE USED FOR SILL PLATES AND DECK STRUCTURE. ANCHOR ALL SILL PLATES WITH ½"X12" STEEL ANCHOR BOLTS AT 6' O.C. USING MINIMUM 2 BOLTS PER PLATE.
- 3- DESIGN LOADS:

| JESIGN LUADS: | | |
|-----------------------|-----------|---------|
| FIRST FLOOR LOADS | LIVE LOAD | 40 #/SF |
| | DEAD LOAD | 10 #/SF |
| SECOND FLOOR LOADS | LIVE LOAD | 30 #/SF |
| | DEAD LOAD | 10 #/SF |
| ATTIC LOAD | LIVE LOAD | 20 #/SF |
| (<4'-6" HEADROOM) | DEAD LOAD | 10 #/SF |
| (>4'-6" HEADROOM) | LIVE LOAD | 30 #/SF |
| GROUND SNOW LOAD LI | 30 #/SF | |
| WIND SPEED DESIGN LOA | 115-120 M | |

- 4- DOUBLE FLOOR JOIST UNDER ALL PARALLEL PARTITIONS INCLUDING EXTERIOR
- 5- AT ALL BEARING POINTS PROVIDE STUDDING 4" WIDER THAN THICKNESS OF HEADER OR GIRDER, FRAMING.
- 6- FRAMING OF THE ENTIRE HOUSE SHALL BE ERECTED PLUMB, LEVEL AND TRUE, SECURELY NAILED. JOISTS, STUDS AND RAFTERS SHALL BE DOUBLED ABOVE ALL OPENINGS. ALL FLUSH HEADERS SHALL BE CONNECTED WITH METAL JOIST HANGERS. SIZES OF JOISTS, SHEATHING AND RAFTERS ARE SHOWN ON PLANS. PROVIDE SOLID BLOCKING UNDER ALL POSTS. CONTRACTOR TO PROVIDE ALL FIRE BLOCKING AT ALL STUD WALL OVER 10'-0" HIGH OR ALL HORIZONTAL FURRED SPACES AT 10'-0" INTERVALS MAX.
- 7- ALL STUDS IN BEARING WALLS ARE TO BE TOE NAILED ON TOP AND BOTTOM WITH MINIMUM (6) 12D COMMON NAILS.
- 8- ALL HEADERS ARE TO BE (2) 2X10'S UNLESS SPECIFIED.
- 9- LAMINATED VENEER BEAM: SHALL BE "MICROLAM 1.9E" BY TRUSS JOIST MACMILLAN OR EQUAL, MIN. FB. 2600. INSTALL AS PER MANUFACTURER'S SPECIFICATIONS. INSTALL AS PER MANUFACTURER'S SPECIFICATIONS.
- 10- PLYWOOD JOISTS (IF USED): SHALL BE "TJI/PRO" JOISTS BY TRUSS JOIST MACMILLAN. INSTALL AS PER MANUFACTURER'S SPECIFICATIONS.
- 11- ALL WALL SHEATHING TO BE MINIMUM $\frac{1}{2}$ " OSB OR EXTERIOR GRADE PLYWOOD. SUB-FLOORING TO BE $\frac{3}{4}$ " PLYWOOD NAILED WITH SCREW TYPE NAILS. A TOTAL OF $1\frac{1}{4}$ " THICK FLOOR UNDER CERAMIC TILE, INCLUDING CEMENT BOARD IF USED.
- 12- ALL GIRDERS AND POSTS TO BE FREE OF LARGE KNOTS, CHECKS OR OTHERWISE VISUAL IMPERFECTIONS. WHERE POST IS FREE STANDING A TECO POST BASE CONNECTOR MUST BE USED.
- 13- WHERE JOISTS MEET A FLUSH GIRDER OR LEDGER, TECO JOIST HANGERS MUST BE USED. ALL DECK LEDGERS TO BE BOLTED TO WALL WITH ½" GALVANIZED STEEL BOLTS STAGGERED AT 24" O.C.
- 14- PROVIDE SOLID WOOD BRIDGING AT MID-SPAN OF ALL JOISTS.
- 15- ALL SOFFITS MUST BE VENTED UNLESS SPECIFIED.
- 16- WHERE STEEL BEAMS ARE USED, STEEL MUST BE A-36, AND BEAMS TO BEAR ON STEEL

COLUMN, OTHER STEEL OR CONCRETE FOUNDATION.

- **STAIRS** 1- ALL STAIRS ARE TO MANUFACTURED AS PER THE BUILDING CODE. MANUFACTURER TO DETERMINE TREAD RUN, WIDTH AND RISER HEIGHTS FOR ALL STAIRS SHOWN ON
- DRAWINGS. 2- STAIRS SHALL HAVE OAK TREADS AND PINE RISERS UNLESS OTHERWISE DIRECTED, SIZE SHOWN ON THE PLAN. PROVIDE COMPLETE RAILING, POST, NEWEL, AND BALUSTERS ($4\frac{1}{2}$ O.C. MAX.) AS REQUIRED. ALL TRIM TO BE MITERED AND CLUED. STAIR SHALL BE FABRICATED IN MILL-SHOP BY PROFESSIONAL STAIR-BUILDER. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO FIELD CHECK AND VERIFY STAIR DIMENSIONS AND COMPLIANCE WITH LOCAL & STATE BUILDING CODES.
- 3- RAILING TO BE AS PER NYS BUILDING CODE REQUIREMENTS.

WINDOWS AND TRIM

FITTING AS REQUIRED.

- 1- ALL WINDOWS SHALL BE AS MANUFACTURED BY "ANDERSEN" OR APPROVED EQUAL IN PERFORMANCE. WINDOWS MUST HAVE INSULATED GLASS AND SCREENS. SIZE AND TYPE SHOWN ON PLANS.
- 2- PROVIDE TEMPERED GLASS WHERE SHOWN OR WHERE WITHIN 18" OR FLOOR.
- 3- FRENCH SLIDING DOORS: SHALL BE ANDERSEN FRENCHWOOD OR EQUAL IN PERFORMANCE WITH TEMPERED INSULATED GLASS AND SCREENS.
- 4- EXTERIOR DOORS: SHALL BE PRE-HUNG INSULATED $1\frac{3}{4}$ " ENTRY DOOR SYSTEM COMPLETE WITH WEATHER-STRIPPING AND HARDWARE.
- 5- TRIM: SHALL BE STOCK SECTIONS, NEATLY FITTED, MITERED AND COMPLETE, INCLUDING DOOR AND WINDOW CASING, APRONS, STOOLS AND BASE AT FLOOR. CLOSETS TO HAVE SHELVES WITH CLOTHES POLE ADEQUATELY SUPPORTED. LINEN CLOSETS TO HAVE (5) ADJUSTABLE SHELVES.
- 6- INTERIOR DOORS: SHALL BE 1 3/8" SOLID CORE MASONITE DOORS PAINT GRADE UNITS COMPLETE WITH HARDWARE AND CASING. CLOSET SLIDING, BI-FOLD AND POCKET DOORS SHALL BE 1 3/8" SOLID CORE MASONITE DOORS AS SHOWN ON PLANS. COMPLETE WITH KENTRACK HARDWARE OR EQUAL. PROVIDE A SELF CLOSING INSULATED METAL FIRE-DOOR "C" LABEL DOOR AND FRAME BETWEEN GARAGE AND HOUSE.
- 7- FLOORS: WOOD FLOORS SHALL BE 25/32 STRIP OAK SECURELY NAILED TO JOISTS OVER A LAYER OF ROSIN PLYWOOD UNDERLAYMENT IN JOIST AREAS.
- 8- FINISH: OAK FLOORS AND STAIRS SHALL BE SANDED SMOOTH AND EVEN AND RECEIVE 1 COAT SEALER AND 2 COATS OF AN OAK FLOOR POLYURETHANE FINISH.

9- CABINET WORK: THE GENERAL CONTRACTOR SHALL COORDINATE ALL CABINET WORK

AND ASCERTAIN THAT ALL WORK IS TO PROPER SIZE AND FIT. 10-VANITIES AS SHOWN ON PLANS SHALL CONSIST OF PREFABRICATED ITEMS DELIVERED TO SITE. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND

EXTERIOR FINISH

1- FASCIA, TRIM AND EXTERIOR AS SHOWN ON ELEVATIONS.

ROOFING

- PROVIDE AND INSTALL SELF SEALING FIBERGLASS SHINGLES. SHINGLES ARE TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATION.
- PROVIDE 24" ALUMINUM FLASHING AT ALL VALLEYS.
- 4- AS PER R905.2.7, PROVIDE ICE AND WATER SHIELD FROM THE LOWEST EDGE OF ALL ROOFS TO A POINT 24" MIN. HORIZONTALLY FROM THE INSIDE OF EVERY EXTERIOR ROOF BEARING WALL.
- 5- WHERE ROOF MEETS AND PORTION OF WALL, FLASHING MUST BE USED.
- 6- ALL RIDGES MUST BE CAPPED WITH A BLIND CONTINUOUS RIDGE VENT. ALSO ALL HIPS MUST BE CAPPED.
- 7- GUTTERS AND LEADERS TO BE INSTALLED AS PER CONTRACT DIRECTIONS AND LOCAL CODE REQUIREMENTS.

ROOM FINISH

- 1- WALLS AND CEILINGS IN ALL ROOMS TO RECEIVE 1/2" GYPSUM BOARD. M.R. IN BATHROOMS. 5/8" TYPE "X" IN GARAGE
- 2- FLOORS ARE TO BE FINISHED AS PER CONTRACT DIRECTIONS. CERAMIC TILES IN
- 3- DRYWALL: ALL GYPSUM BOARD MUST BE SECURED TO WOOD MEMBERS WITH 2" LONG SCREWS. ALL NAIL HOLES AND JOINTS TO RECEIVE THREE COATS OF TAPE AND SPACKLE AND TO BE SANDED SMOOTH IN PREPARATION FOR PAINT. ALL OUTSIDE CORNERS TO RECEIVE METAL CORNET BEADS
- 4- CAULKING: ALL JOINTS BETWEEN TILE AND OTHER SURFACES SHALL BE CAULKED WITH COLORED ACRYLIC SEALANT, ACCORDING TO MANUFACTURER'S
- 5- FOAM INSULATION IN ALL CAVITIES AROUND ALL EXTERIOR WINDOWS, DOORS AND OTHER OPENINGS.
- 6- AIR LEAKAGE: JOINTS, PENETRATIONS, AND ALL OTHER SUCH OPENINGS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF AIR LEAKAGE MUST BE SEALED. RECESSED LIGHTS MUST BE 1) TYPE IC RATED, OR 2) INSTALLED INSIDE AN APPROPRIATE AIR TIGHT ASSEMBLY WITH A 0.5" CLEARANCE FROM COMBUSTIBLE MATERIALS. IF NON IC RATED, THE FIXTURE MUST BE INSTALLED WITH A 3" CLEARANCE FROM INSULATION.
- 7- VAPOR RETARDER: REQUIRED ON THE WARM-IN-WINTER SIDE OF ALL NON-VENTED FRAMED CEILINGS, WALLS, AND FLOORS.
- 8- INSULATION: SHALL BE SPRAY FOAM POLYURETHANE. PROVIDE INSULATION AS PER ENERGY CONSERVATION CODE OF NEW YORK STATE: CEILINGS ADJOINING ATTIC: R-38 \

CEILINGS ADJOINING ROOF: R-30 > SEE RESCHECK R-21 EXTERIOR STUD WALLS: FLOOR OVER UNHEATED SPACES: R-30

- 1- ALL PLUMBING TO BE IN ACCORDANCE WITH THE PLUMBING CODE
- 2- ALL UNDERGROUND WASTE LINES TO BE CAST IRON UNLESS OTHERWISE ACCEPTABLE BY LOCAL CODE.
- 3- WORK INCLUDED: CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO FULLY COMPLETE ALL PLUMBING WORK SHOWN ON PLANS AND SPECIFICATIONS.
- 4- CODES & PERMITS: ALL WORK MUST BE INSTALLED IN FULL ACCORDANCE WITH THE REQUIREMENTS OF ALL LOCAL AND GOVERNMENTAL CODES HAVING JURISDICTION.
- 5- FLASHING: ALL PIPES PASSING THROUGH ROOF SHALL RECEIVE ALUMINUM COLLAR, STRAPPED AND FITTED TO PROVIDE WATERPROOF SEAL.
- TESTING: CONTRACTOR SHALL TEST ALL WATER, DRAINAGE, AND VENT PIPING IN ACCORDANCE WITH LOCAL CODES.
- 7- FIXTURES: AS SHOWN ON PLANS SHALL BE AMERICAN STANDARD, KOHLER, OR EQUAL. ALL EXPOSED FITTINGS AND PIPE TO BE CHROME PLATED.
- 8- SEPTIC AND WELL SYSTEMS (IF APPLICABLE): SHALL CONFORM TO ALL REQUIREMENTS OF THE COUNTY HEALTH DEPARTMENT, CONTRACTOR IS RESPONSIBLE FOR ALL INSPECTIONS AND THE FINAL COMPLIANCE CERTIFICATE.
- 9- ALL WATER LINES SHALL BE COPPER OR APPROVED EQUAL
- 10- PROVIDE SHUT- OFFS FOR ALL FIXTURES.
- 11- PROVIDE AND INSTALL ALL PIPES, TRAPS, CLEAN OUTS, AND VENTS NECESSARY FOR SUCCESSFUL OPERATION OF ALL PLUMBING FIXTURES. PRESSURE OR WET PLUMBING TEST SHALL BE COMPLETED SUCCESSFULLY PRIOR TO INSTALLING DRYWALL.
- 12- PROVIDE FROST-PROOF HOSE BIBS, LOCATION AND QUANTITY AS DIRECTED.
- 13- PROVIDE 1" INSULATION ON ALL PIPES IN UNHEATED SPACES.

- 1- ALL ELECTRICAL WORK TO BE IN ACCORDANCE WITH THE NATIONAL BOARD OF FIRE UNDERWRITERS AND A CERTIFICATE OF COMPLIANCE MUST BE ISSUED.
- ELECTRICAL SYSTEM TO BE DESIGNED TO COMPLY WITH NEC SPECIFICATION. 3- PROVIDE A MINIMUM OF 120/208-200 AMP, OR LARGER, IF REQUIRED, FOR SERVICE. SWITCHES TO BE SILENT TYPE. LOCATIONS OF OUTLETS, FIXTURES.
- ETC., AS SHOWN ON PLANS. 4- CONTRACTOR TO PROVIDE EXHAUST FANS AT BATHROOMS (VENT TO EXTERIOR).
- PROVIDE & INSTALL AS PER CODE 5- CONTRACTOR TO PROVIDE CARBON MONOXIDE DETECTORS WITH BATTERY BACK-UP (SEE PLANS FOR LOCATION). DETECTORS SHALL CONFORM TO ALL APPLICABLE CODES AND SHALL BE INSTALLED AS PER BUILDING CODE.
- 6- PANELS & FEEDS: LIGHTING PANELS SHALL BE PROPERLY ARRANGED AND SHALL HAVE CIRCUIT BREAKER BRANCHES THERMAL MAGNETIC TYPE. GENERAL LIGHTING CIRCUITS SHALL HAVE 15 AMP TRIP RATINGS. CIRCUITS FOR EQUIPMENT SHALL HAVE PROPERLY SIZED TRIP RATINGS FOR EQUIPMENT SERVED. CIRCUITS FOR KITCHEN AND BASEMENT RECEPTACLES SHALL HAVE 20 AMP TRIPS.
- SWITCHES & RECEPTACLES: SWITCHES SHALL BE DECORA OR EQUAL, SILENT TYPE. RECEPTACLES SHALL BE DUPLEX RATED 15 AMP AT 120 VOLTS.
- BELL SYSTEM: PROVIDE COMPLETE DOOR BELL SYSTEM TO EACH ENTRANCE AS SELECTED BY OWNER
- 9- PROVIDE SINGLE STATION HARD WIRE SMOKE DETECTORS LOCATED IN EVERY BEDROOM, ROOMS THAT COULD BE USED FOR SLEEPING AND IN HALLWAYS OUTSIDE BEDROOMS. ALSO ONE HARD WIRE WITH BATTERY BACK UP SMOKE DETECTOR AND CARBON MONOXIDE DETECTOR ON EVERY LEVEL OF THE HOUSE.
- 10- PROVIDE TELEPHONE AND CABLE WIRING AND OUTLETS. QUANTITIES AND LOCATIONS AS PER CONTRACT.

- 1- HEATING & AIR CONDITIONING: SYSTEM SHALL BE PROPANE FIRED. PROVIDE COMPLETE HYDRO- AIR COMBINATION HEATING AND AIR CONDITIONING SYSTEM. AIR HANDLING UNITS SHALL BE BY LENNOX, CARRIER OR EQUAL COMPLETE WITH AUTOMATIC CONTROLS AND ALL NECESSARY APPURTENANCES FOR PROPER OPERATION AT RECOMMENDED BY THE MANUFACTURER. PROVIDE DOMESTIC HOT WATER COIL 3 1/2 GPM MINIMUM BOILER TO COMPLY WITH STAND-BY LOSS REQUIRED BY N.Y.S ENERGY CONSERVATION CODE
- 2- AUTOMATIC CONTROLS: CONTROLS SHALL BE MINNEAPOLIS, HONEYWELL, OR EQUAL, ELECTRICALLY OPERATED AND DESIGNED TO MAINTAIN EVEN ROOM TEMP, BY MEANS OF A THERMOSTAT. PROVIDE SEPARATE HYDRONIC ZONE CONTROLS FOR ZONES INDICATED.
- ZONE: PROVIDE HEATING AND COOLING AIR HANDLING UNITS FOR EACH ZONE. PROVIDE SEPARATE SUPPLY AND RETURN AIR DUCT SYSTEM COMPLETE WITH ALL CONTROLS AND THERMOSTATS FOR EACH ZONE.

ZONE 1 ENTIRE FIRST FLOOR. ZONE 2 FINISHED BASEMENT

- 4- HEATING DESIGN: HEATING TO BE DESIGNED TO PROVIDE 73 DEGREES F TEMP. IN ALL ROOMS WHEN EXTERIOR TEMP. IS 7 DEGREE F. PROVIDE EXPANSION LOOPS ON ALL LONGS RUNS OF PIPING.
- 5- A/C DESIGN: SYSTEM SHALL BE DESIGNED TO MEET LATEST EDITION OF A.S.H.R.E.A. SPECIFICATIONS AND THE N.Y.S. ENERGY CODE. SYSTEM SHALL BE GUARANTEED TO MAINTAIN INDOOR TEMP. OF 78 DEGREES F WHEN OUTDOOR TEMP. IS 95 DEGREES F DRY BULB.
- 6- PROVIDE INDIRECT FIRED DOMESTIC HOT WATER HEATER (ALTERNATE) ELECTRIC 80 GALLON FOR DOMESTIC HOT WATER USE COMPLETE WITH SAFETY DEVICES. HEATER TO COMPLY WITH NYS ENERGY CONSERVATION CODE.
- MAXIMUM TEMP. 140 DEGREES. 7- HOT WATER SPECIALTIES: INCLUDING CIRCULATORS, AIR-TROL FITTING VENTS, AIR-TROL DIAPHRAGM, EXPANSION TANK AND AIR PURGER WITH AUTOMATIC FILLING VALVE, TANK DRAIN, RELIEF VALVE AND PRESSURE REDUCING VALVE, IF REQUIRED AND AIR RELIEF VALVES AT HIGH POINT OF EACH HEATING LOOP.
- 8- DUCTS: ALL DUCTS SHALL BE FABRICATED AND RIGIDLY INSTALLED WITH REQUIRED BRACING AND SUPPORTS, THE MAIN SUPPLY AND RETURN DUCT SHALL BE ISOLATED FROM THE HEATER AND BLOWER BY MEANS OF FABRIC INSULATORS. PROVIDE DUCT DAMPER FOR EACH RUN. INSULATE ALL DUCTS LOCATED IN GARAGE, ATTIC, AND UNHEATED AREAS.
- 9- GRILLS AND REGISTERS: PROVIDE SUPPLY AND RETURN REGISTERS IN EACH ROOM STYLE AS PER OWNER'S DIRECTIONS. ALL SUPPLY GRILLS TO HAVE ADJUSTABLE DAMPERS.
- 10- BALANCING: HEATING CONTRACTOR SHALL BALANCE ENTIRE HOUSE SO THAT ALL ROOMS HEAT EVENLY TO THE REQUIRED TEMPERATURE SET ON THE
- 11- ALL JOINTS, SEAMS, AND CONNECTIONS MUST ME SECURELY FASTENED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLUS-EMBEDDED-FABRIC, OR TAPES. DUCT TAPE IS NOT PERMITTED. EXCEPTION; CONTINUOUSLY WELDED AND LOCKING-TYPE LONGITUDINAL JOINTS AND SEAMS ON DUCTS OPERATING AT LESS THAN 2 IN. W.G. (500 PA).
- 12- DUCTS SHALL BE SUPPORTED EVERY 10 FEET OR IN ACCORDANCE WITH THE
- MANUFACTURER'S INSTRUCTIONS. 13- COOLING DUCTS WITH EXTERIOR INSULATION MUST BE COVERED WITH A VAPOR
- RETARDER. 14- AIR FILTERS ARE REQUIRED IN THE RETURN AIR SYSTEM.

ROY A. FREDRIKSEN, PE DESIGN • PLANNING • CONSULTING ENGINEERING

| 266 SHEAR HILL RD. • MAHOPAC, NY 10541 | • 845-621-4000 | | | | |
|--|----------------|--|--|--|--|
| RAYEXDESIGN@GMAIL.COM | | | | | |
| OWNER: | JOB# | | | | |
| PANBAR. LLC | DRN BY: | | | | |

CHKD BY:

TAX MAP #:

PROJECT: NEW HOUSE TO BE BUILT ON 3617 BUCKHORN RD. IN YORKTOWN.

SHEET TITLE: NOTES 7 **OF** 7

DATE: 4/19/2019