- A. ALL CONSTRUCTION SHALL CONFORM WITH THE 2015 INTERNATIONAL
- B. ALL CONSTRUCTION SHALL CONFORM WITH ALL APPLICABLE LOCAL

DESIGN LOADS: (PER SECTION R301 OF IRC 2015)

- B. THE MINIMUM DESIGN UNIFORMLY DISTRIBUTED LIVE LOADS FOR ALL NEW FRAMING SHALL BE AS FOLLOWS.

 FLOOR LOAD (LOAD)

 SLEEPING RMS. / ATTIC WITH FIXED STAIR
 GARAGE FLOOR
 ROOF LIVE LOAD

 ROOF LIVE LOAD

 HIN. 30 PSF

 AUDITOR (FUNDED) LL=60 PSF / DL=10 PSF LL=30 PSF / DL=10 PSF LL=50 PSF / 2000# POINT MN. 30 PSF LL=20 PSF (LIMITED STORAGE) LL=10 PSF (NO STORAGE)
- ATTIC AND TRUSS BOTTOM CHORD C. ROOF SNOW LOAD DESIGN CRITERIA: GROUND SNOW LOAD (Pg)= FLAT ROOF SNOW LOAD (FT)= 30 PSF 21 PSF EXPOSURE FACTOR (Ce)=
- D. WIND LOAD DESIGN CRITERIA: BASIC WIND SPEED: WIND EXPOSURE: IMPORTANCE FACTOR (1)=
- F. SUBJECT TO DAMAGE FROM: FROST LINE DEPTH
- G. TEMPERATURE AND FLOODING:
 WINTER DESIGN TEMPERATURE
 ICE SHIELD UNDERLAYMENT REGUIRED
 FLOOD HAZARDS
- H. THE STABILITY OF THE STRUCTURE IS DEPENDENT UPON THE DIAPHRAGM ACTION OF THE FLOORS AND ROOF. THE CONTRACTOR IS RESPONSIBLE FOR THE METHOD OF CONSTRUCTION AND SHALL PROVIDE ALL TEMPORARY BRACHING AND SHORING REQUIRED TO MAINTAIN THE STABILITY OF THE STRUCTURE AND TO SUPPORT

- A. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 30" BELOW FINISH GRADE FOR FROST PROTECTION.
- B. ALL FOOTINGS HAVE BEEN DESIGNED FOR AN ASSUMED NET ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF.
- C. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL FOUNDATION AND SOIL CONDITIONS WHICH DIFFER FROM THOSE ANTICIPATED OR INDICATED IN THE CONTRACT DOCUMENTS.

- A. ALL SLABS ON GRADE, UNLESS OTHERNISE NOTED, SHALL CONSIST OF A 4 INCH THICK CONCRETE SLAB REINFORCED WITH ONE LAYER OF 6"x6"-INL4xH1.4 WELDED WIRE FABRIC AND PLACED OVER A 6 MIL POLYETHYLENE VAPOR RETARDER AND 4 INCHES OF COMPACTED GRANULAR BASE. ALL EDGES OF VAPOR RETARDER SHALL BE LAPPED A MINIMUM OF 6 INCHES AND TAPED. MAXIMUM AGGREGATE SIZE OF GRANULAR BASE SHALL BE 1/2 INCH.
- C. PLACE CONCRETE PER ACI 302, CONTRACTOR SHALL READ, UNDERSTAND & FOLLOW GUIDELINES SET FORTH FOR PREPARING SUBGRADE, PLACING, CONSOLIDATING, FINISHING AND CURING CONCRETE SLABS.

STRUCTURAL AND MISCELLANEOUS STÈEL:

- A. ALL STEEL CONSTRUCTION SHALL CONFORM TO THE THIRTEENTH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN" AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
- B. ALL STRUCTURAL STEEL SHALL CONFORM TO AGTM A992 GRADE 50 OR AGTM A36 AT THE CONTRACTORS OPTION.
- D. ALL STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM ASOI HAVING A MINIMUM YIELD STRENGTH OF Fy=36,000 PSI OR TO ASTM ASS, TYPE "E" OR "S" GRADE "B", HAVING A MINIMUM YIELD STRENGTH OF Fy=35,000 PSI.
- F. ALL CONNECTIONS, UNLESS OTHERWISE NOTED, SHALL BE DOUBLE ANGLE OR SINGLE PLATE SHEAR CONNECTIONS DESIGNED AND DETAILED IN ACCORDANCE WITH THE AISC "STEEL CONSTRUCTION MANUAL," WITH A MINIMUM EDGE DISTANCE OF I-I/2 INCHES AND BOLT SPACING OF 3 INCHES.

WINDOWS AND DOORS:

- A. ALL WINDOW NUMBERS INDICATE MODEL NUMBERS FOR "ANDERSEN" WINDOW UNITS. B. MINDOMS INDICATED ON DRAWINGS AS "EGRESS" SHOULD MEET BUILDING COPE REGUIREMENTS PER SECTION, R310 OF THE IRC.
- C. MINDOMS IN DOORS, SIDE LIGHTS AND WINDOMS WITHIN 24" OF DOORS SHALL BE PROVIDED WITH SAFETY GLASS TO COMPLY WITH SECTION R306 OF THE IRC.
- D. GLASS AT TUBS AND SHOWER ENCLOSURES SHALL BE PROVIDED WITH SAFETY GLASS TO COMPLY WITH SECTION RSOO OF THE IRC.

- E. THE CONTRACTOR SHALL CUT OR NOTCH THE MOOD FRAMING ONLY AS REQUIRED AND IN ACCORDANCE WITH THE IRC BUILDING CODE, THE "NATIONAL DESIGN SPECIFICATION FOR MOOD CONSTRUCTION", OR AS SHOWN ON THE CONTRACT DRAWINGS.

WOOD FRAMING CON'T .:

- F. PROVIDE DOUBLE OR TRIPLE STUDS AT ALL CORNERS, SIDES OF OPENINGS, AND BENEATH ALL WOOD BEAMS AND LINTELS, UNLESS OTHERWISE INDICATED.
- H. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS FOR ALL WOOD TRUSIESS INCLUDING MEMBER LAYOUT, WOOD SPECIES AND GRADE, MEMBER SIZES, TRUSS BEARING CONNECTION DETAILS, CAPACITY OF CONNECTOR PLATES AND THE SIZE AND LOCATION OF ALL REGUIRED BRIDGING. THE CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF WHERE WORK IS BEING DONE.
- THE CONTRACTOR SHALL PROVIDE TRUSS TIES EQUIVALENT TO OR BETTER THAN THE UPLIFT LOADS INDICATED ON THE TRUSS SHOP DRAWINGS.

INSULATION & MOISTURE PROTECTION:

- B. PROVIDE MINIMUM ONE LAYER OF 15 Ib. ROOFING FELT AT THE ROOF TO PROVIDE A WATER-RESISTANT BASE FOR FIBERGLASS COMPOSITION ROOF SHINGLES.

- C. PROVIDE INSULATION AS FOLLOMS,

 ROOF/ATTIC AREAS.

 EXTERIOR MALLS.

 BASEMENT EXTERIOR MALLS.

 NINDOMS / GLASS DOORS.

 SKYLIGHTS:

 R-44, FIBERGLASS BATT OR BLOWN

 R-21, KRAFT-FACED, FIBERGLASS BATTS

 R-10, FOIL-FACED, FIBERGLASS BATTS

 R-10 CONTINUOUS INSULATION

 U-FACTOR ≥ 0.35

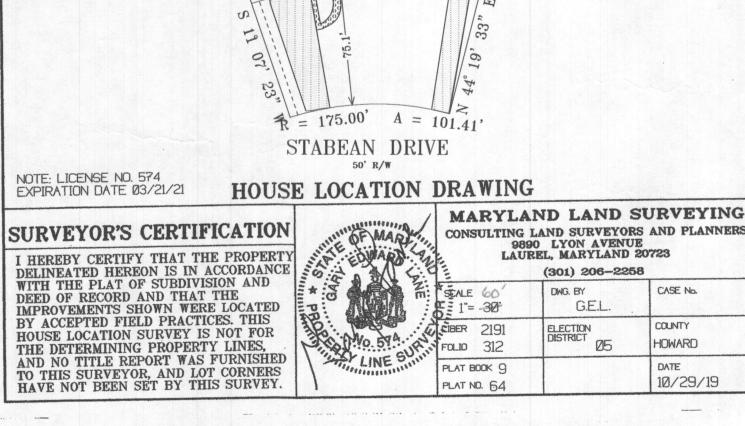
 U-FACTOR ≥ 0.35
- D. THE CONTRACTOR SHALL PROVIDE CORROSION-RESISTANT METAL PLASHING ABOVE ALL MINDOW AND DOOR OPENINGS TO PREVENT MOISTURE PENETRATION. SIMILAR PLASHING SHALL BE PROVIDED AT ROOF VALLEYS AND ROOF OPENINGS, MOOD OR METAL COPINGS AND SILLS.
- E. THE CONTRACTOR SHALL PROVIDE PERFORATED SOFFITS AT THE ROOF EAVES AND A CONTINUOUS RIDGE VENT AT THE ROOF TO PROVIDE REGULARD ATTIC VENTILATION.

DRAWINGS INDEX

- SITE PLAN
- MIAN FLOOR PLAN
- **FOUNDATION PLAN**
- **RER ELEVATION**
- RIGHT & LEFT SIDE ELEV.
- **SECTION A.A & B.B**
- ROOF AND FL. FRAMING, WALL DETAILS.







SITE PLAN

CONSUMER INFORMATION NOTES 1. THIS PLAN IS A BENEFIT TO A CONSUMER INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING

OR RE-FINANCING.

2. THIS PLAN IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES.

2. THIS PLAN IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES.

3. THIS PLAN DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES.

3. THIS PLAN DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF FROPERTY BOUNDARY LINES.

BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.

LOT 7

64,424 S.F.

SEPTIC TRENCHES

PROPOSED SUNROOM

PROPOSED

ONE STORY BRICK & FRAME

HOUSE DETAILS NO SCALE

8180 STABEAN DRIVE

BEAN PROPERTY

HOWARD COUNTY

NOTE: LICENSE NO. 574 EXPIRATION DATE Ø3/21/21

MARYLAND

LOT: 7

8.18.19

ADI AN

ADDITION 0 8

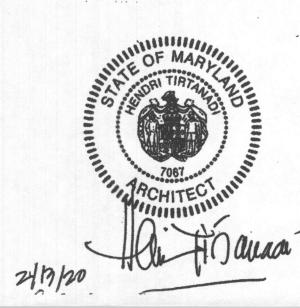
R311.5.6 Handrails. Handrails shall be provided on at least one side of each continuous run of treads or flight with four

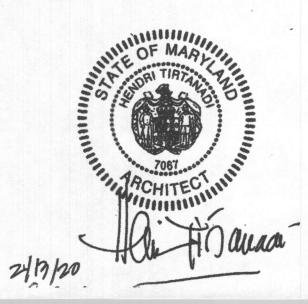
R311.5.6.1 Height. Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm).

R311.5.6.2 Continuity. Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1 ½ inch (38 mm) between the wall and the handrails.

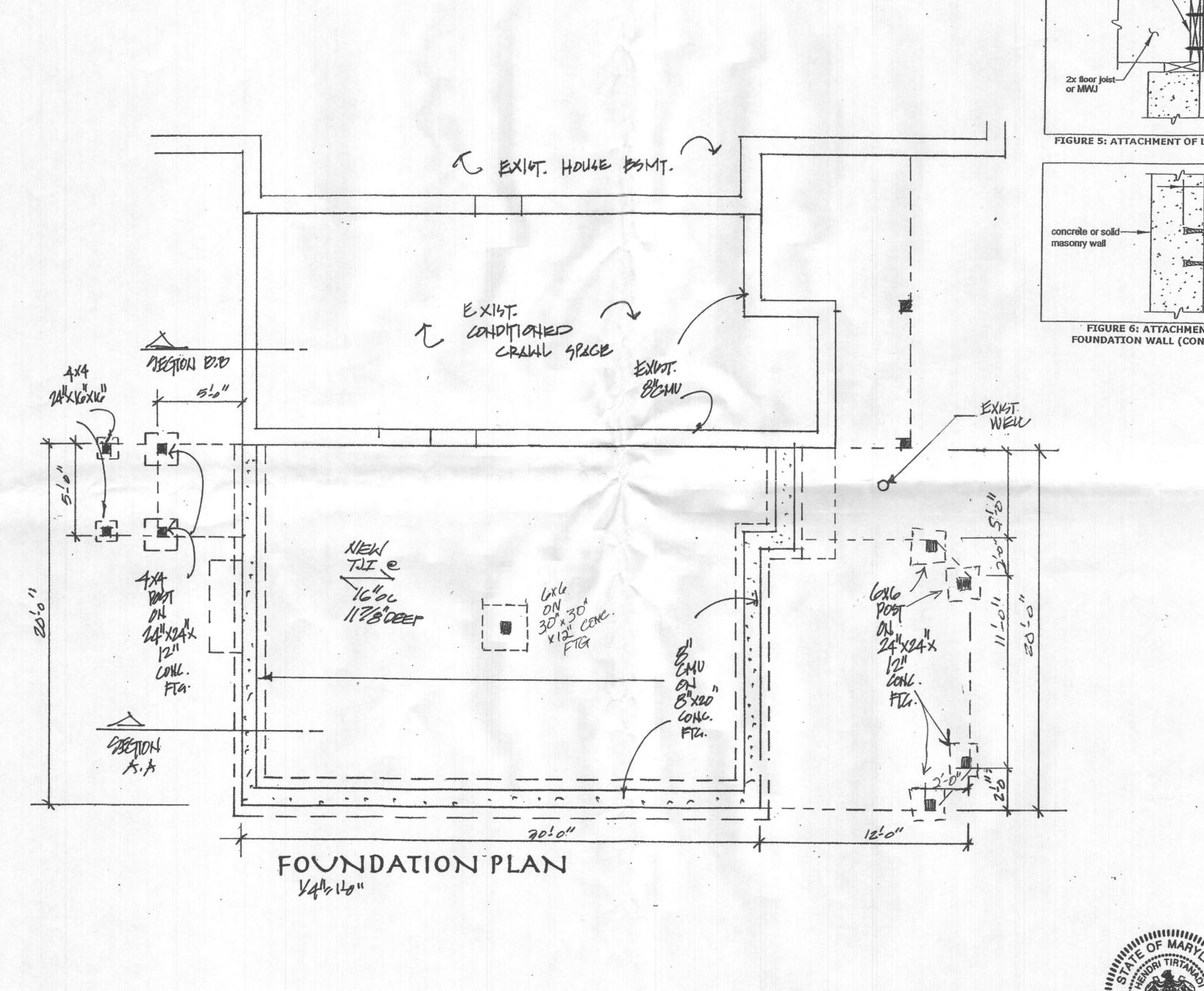
T EXIM. MAH FL. DN CENT PECK SECTION B.B EXIST-EXIMT. PM. CATH. LKUNDRY EXIST. 64X4 HELL 8° XPC. + 8° 5° FIX SECTION A. A. 42") WSP 12-0" 42" WSP 20-0" MAIN FLOOR PLAN

141/21/011





8180 STAI



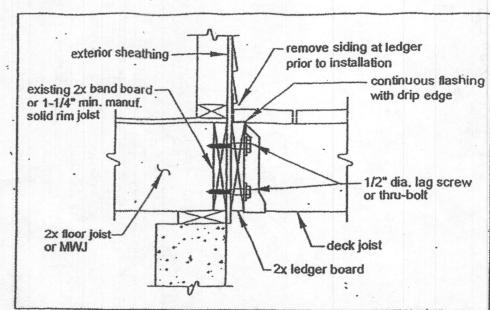


FIGURE 5: ATTACHMENT OF LEDGER BOARD-TO-BAND BOARD

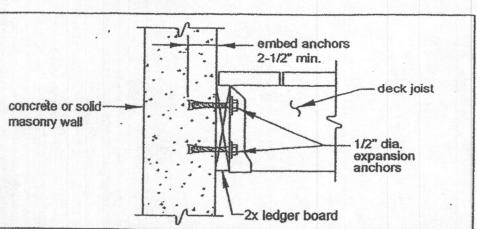


FIGURE 6: ATTACHMENT OF LEDGER BOARD-TO-FOUNDATION WALL (CONCRETE OR SOLID MASONRY)

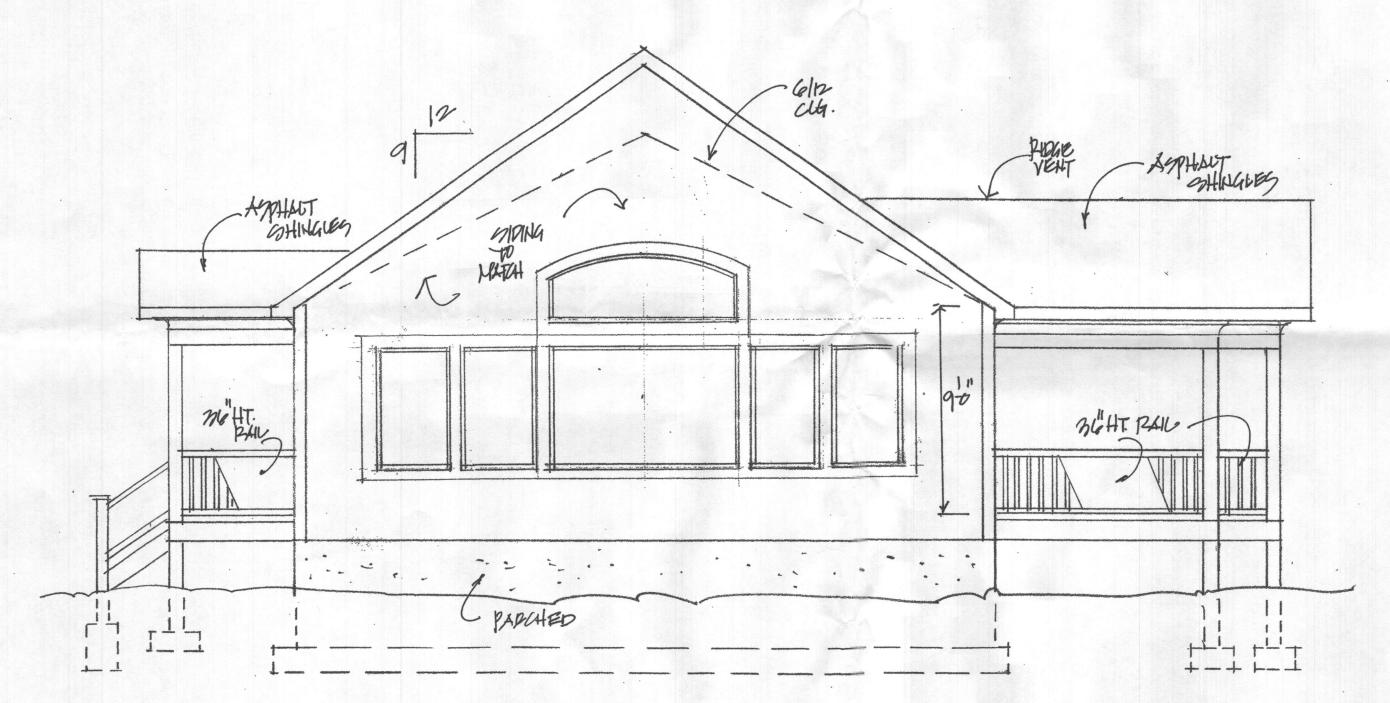
2/13/20

TIRTANADI

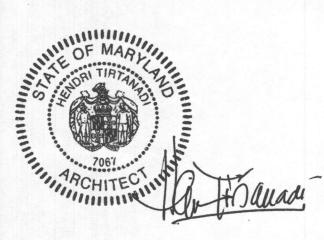
DRIVE

ADDITION & PORCH





REAR ELEVATION 1/41/0 1-0"

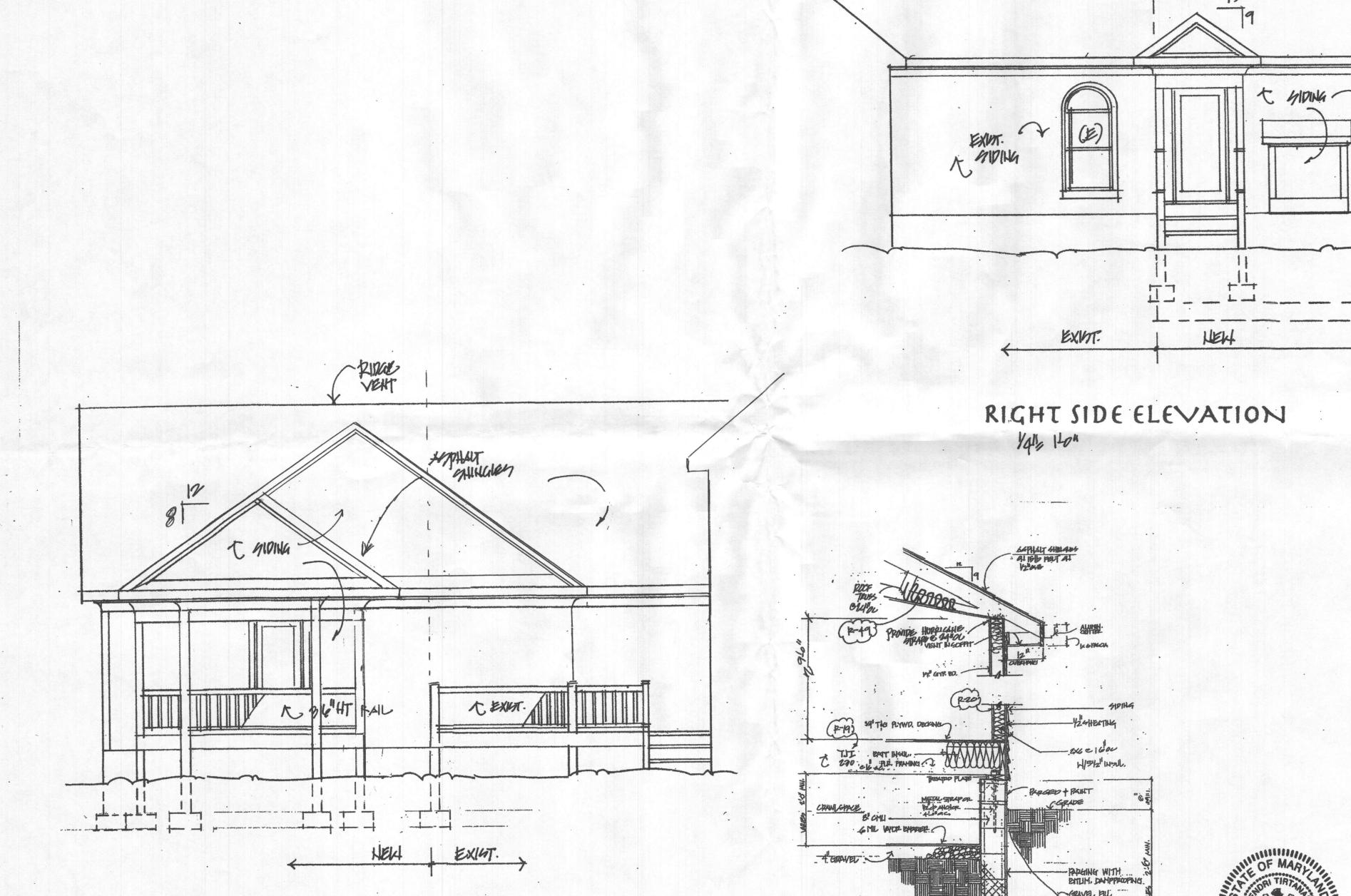


ADDITION & PORCH

8.18.19

TIRTANADI ARCHITECT
8611 OAKMONT ST.
GAITHERSBURG, MARYLAND 20877

8180 STABEAN DRIVE COLUMBIA, MARYLAND



TYPICAL WALL SECTION

LEFT SIDE ELEVATION

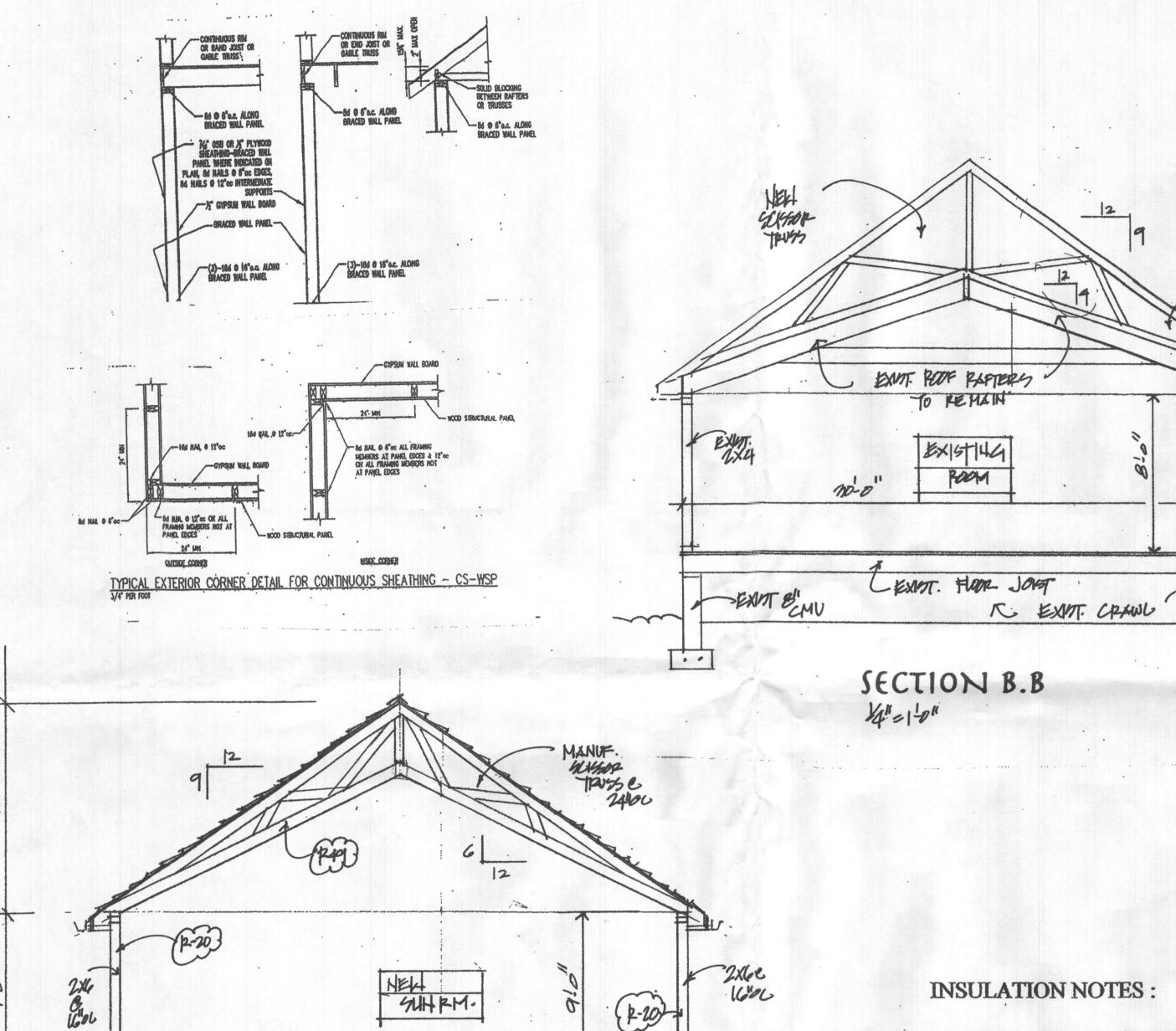
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TIRTANADI ADDITION & PORCH

PIDE VENT

2/13/20

SHINGUES



(p-10)

9UHPM

HELL COHOTTONED,

_ i_1_,

SECTIONA.A

The 120 oll'ou repier oll'ou 11/2" deed

BILHU

INSULATION NOTES:

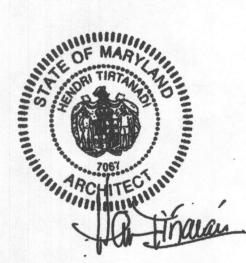
Mandatory Requirements for both Methods

Air Leakage

Building thermal envelope. The building thermal envelope shall be durably sealed to limit infiltration. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. The following shall be caulked, gasketed, weatherstripped or otherwise sealed with an air barrier material, suitable Illm or solid material:

- All joints, seams and penetrations.
 Site-built windows, doors and skylights.
 Openings between window and door assemblies and their respective jambs and framing.
- 4. Utility penetrations.
- 5. Dropped cailings or chases adjacent to the thermal envelope.
 6. Knee walts.
 7. Walls and callings separating a garage from conditioned spaces.
 8. Behind tubs and showers on exterior walls.
 9. Common walls between dwelling units.

- 10. Attic access openings.
- 11. Rim joist junction.12. Other sources of infiltration.



-NEW TRUSES

PEXIST.

EXIMT.

1X4

ADDITION & PORCH 8180 ST/ COLUMBIA, 80

BEA

8.18.19

TIRTANADI N DRIVE

