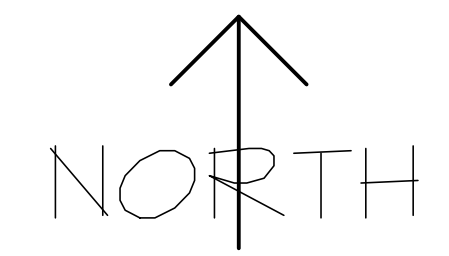


NOTE:
THE BUILDING SEWER SERVING THE EXISTING BUILDING TO BE DEMOLISHED MUST BE PROPERLY CUT-OFF, AND FINAL CUT-OFF INSPECTION APPROVED BY PWDES, PRIOR TO ISSUANCE OF A SEWER USE AND DRAINAGE PERMIT FOR ANY NEW BUILDING. ABSOLUTELY NO PORTION OF ANY OLD/CUTOFF SEWER LINE OR SEWER TAP WHICH SERVED ANY BUILDING ON THIS SITE WILL BE ALLOWED TO BE REUSED.

SITE PLAN, ROOF PLAN AND WASTE WATER
1/4" = 1'-0"



IECC PRESCRIPTIVE PATH ENERGY COMPLIANCE VALUES PER N1102.1, 2015 IRC

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	CANT. FLOOR R-VALUE	BASEMENT WALL R-VALUE CONT./CAVITY	SLAB R-VALUE AND DEPTH	CRAWLSPACE WALL R-VALUE CONT./CAVITY
5 AND MARINE 4	0.32	0.55	NR	4/1	20 OR R-13 PLUS R-5 CONT.	30	15/14	10, 2 ft.	15/14

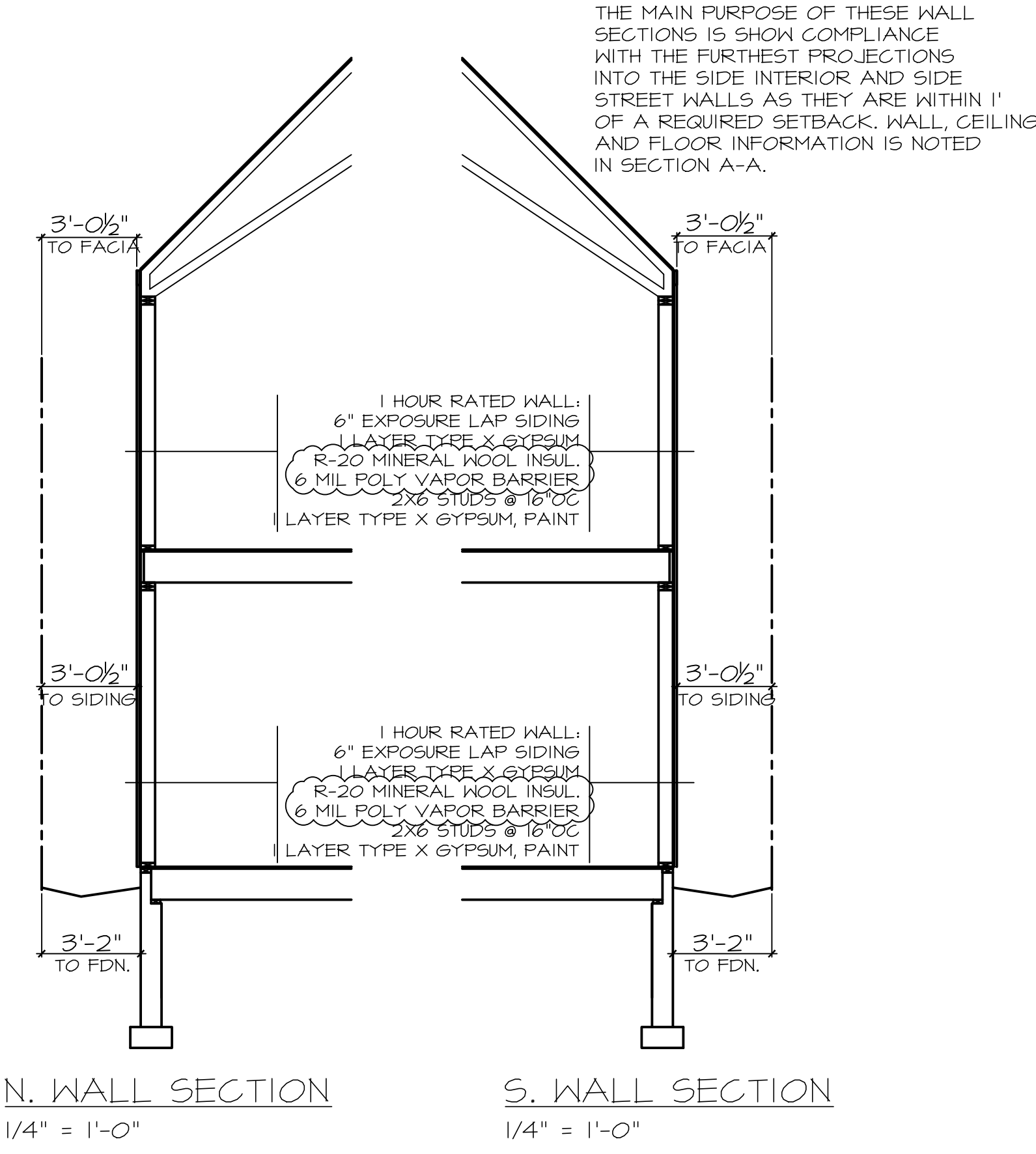
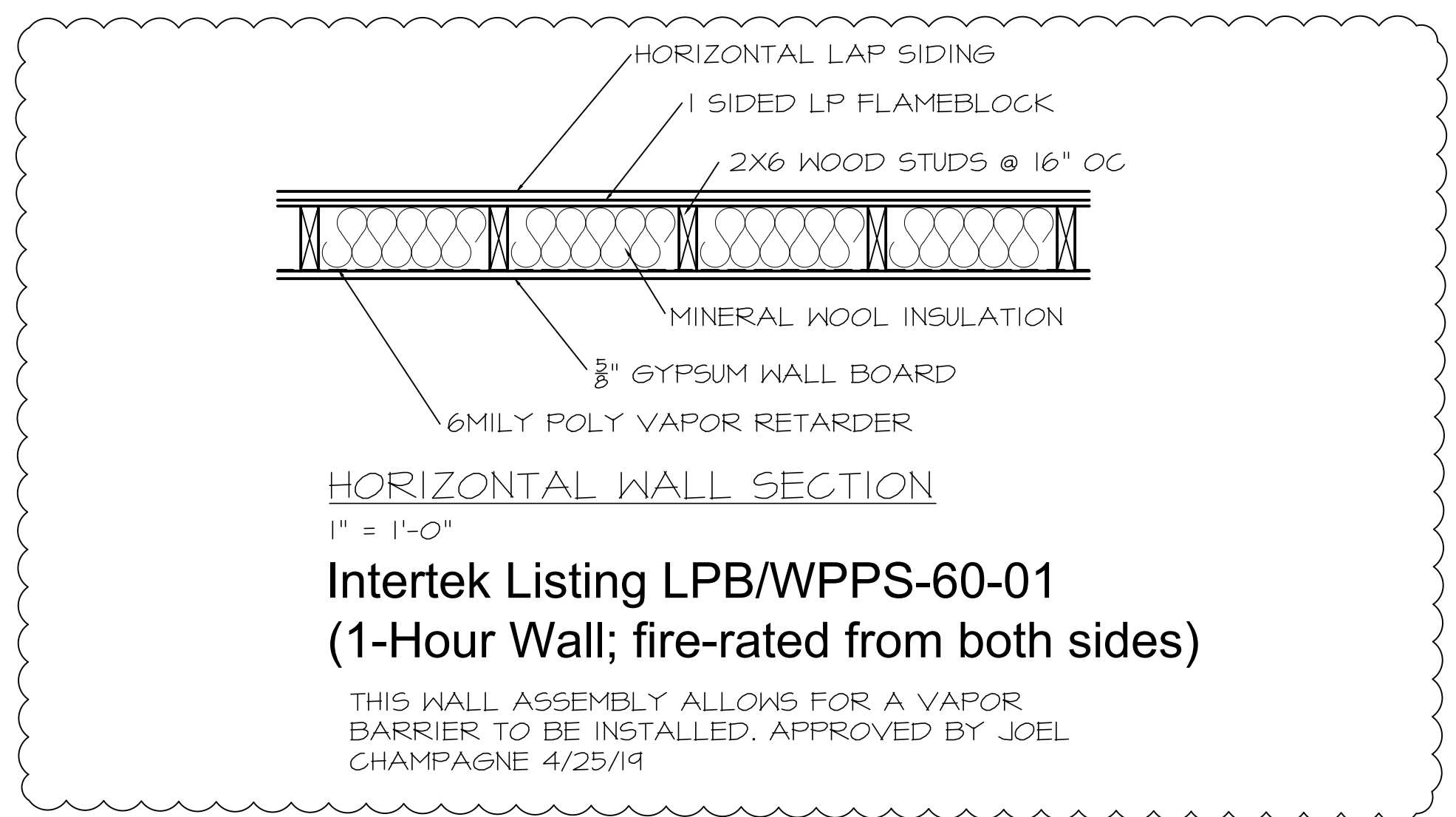
SEE BUILDING SECTION A-A FOR ACTUAL INSULATION VALUES ABOVE CODE MINIMUMS

ZONED: E-SU-B
 ZONE LOT: 2,911 SQUARE FEET
 25'-0" LOT WIDTH
 MAX LOT COVERAGE 50.0% = 1,458 SQUARE FEET
 PRIMARY FOOTPRINT INCLUDING REAR COVERED PORCH 436 SQUARE FEET
 ACCESSORY FOOTPRINT: 782 SQUARE FEET
 MINUS 50% REDUCTION PER DZC = 391 SQUARE FEET
 TOTAL ALL FOOTPRINTS: 1,327 SQUARE FEET = 45.5%
 FRONT BASE PLANE ELEVATION 5156.4 + 5156.1 / 2 = 5156.25'
 REAR BASE PLANE ELEVATION 5156.24 + 5156.0' / 2 = 5156.12'

LEGEND

- PROPERTY OR ZONE LOT LINE
- REQUIRED OR ZONE LOT SETBACK
- 65% / 35% ZONE LOT DEPTH LINE
- SPOT ELEVATIONS AT ORIGINAL GRADE
- EXTERIOR BUILDING FOOTPRINT
- ROOF LINE OR OVERHANG LINE
- PATIO
- PROPOSED 6' WOOD FENCE
- PROPOSED 4' WOOD FENCE
- WINDOW WELLS (3'x4')
- AIR CONDITIONING CONDENSER ON 30"x30" PAD
- CONCRETE
- FFE - FINISHED FLOOR ELEVATION

BUILDING FORM ON ZONE LOT HABITABLE STORY	ZONING LAND USE	GROSS FLOOR AREA (SF) I UNIT
URBAN DUPLEX BUILDING FORM		
1ST FLOOR	DWELLING	806
2ND FLOOR	DWELLING	800
DETACHED GARAGE	VEHICLE PARKING	782



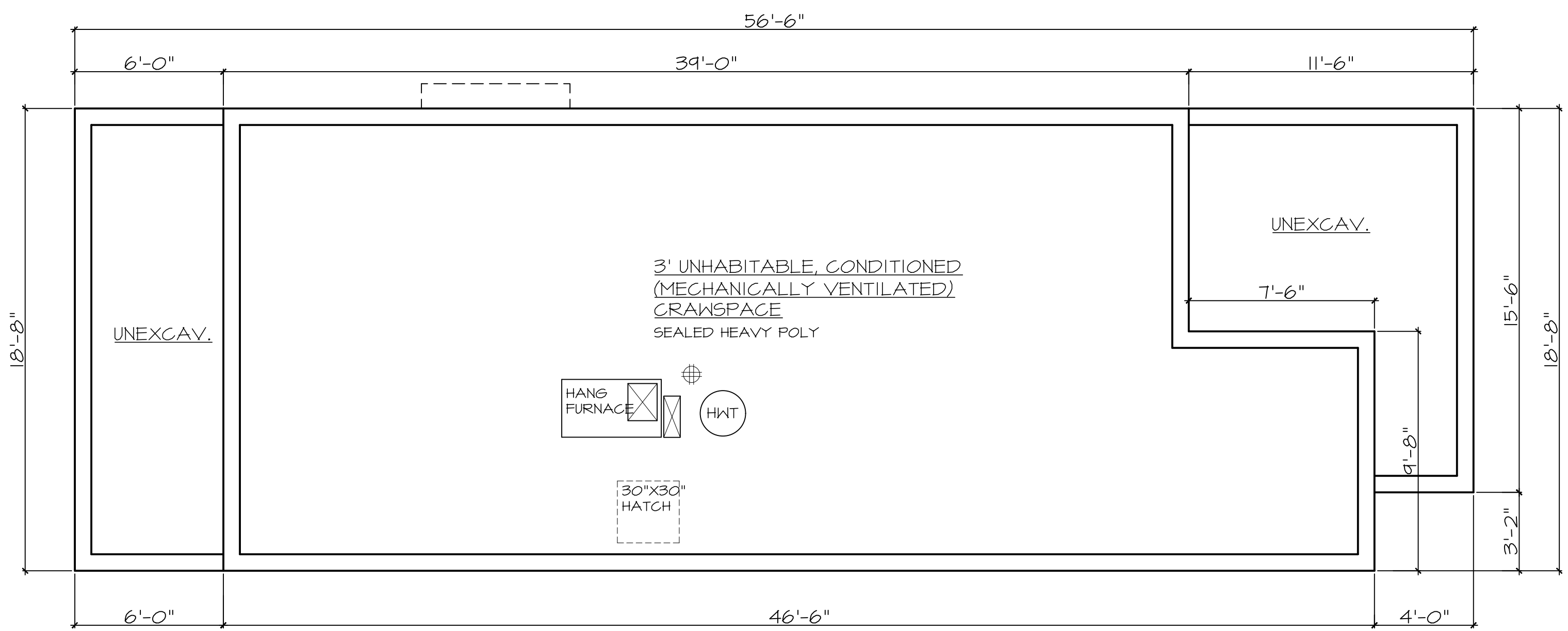
PROJECT SHALL BE BUILT PER THE 2015 IRC AND 2016 DBCA. CONTRACTOR, SUBCONTRACTORS, VENDORS, SUPPLIES ETC. SHALL COMPLY WITH LOCAL BUILDING CODE AND ITS AMENDMENTS IF APPLICABLE.

CUSTOM SINGLE FAMILY DWELLING
4306 SHERMAN STREET
 PARCEL 3, LOT 16, BLOCK 9, TACOMA HEIGHTS

OWNER & APPLICANT
 (303) 500-4380
 PAUL MALONE
 1620 LITTLE RAVEN ST, #303
 DENVER, CO 80202

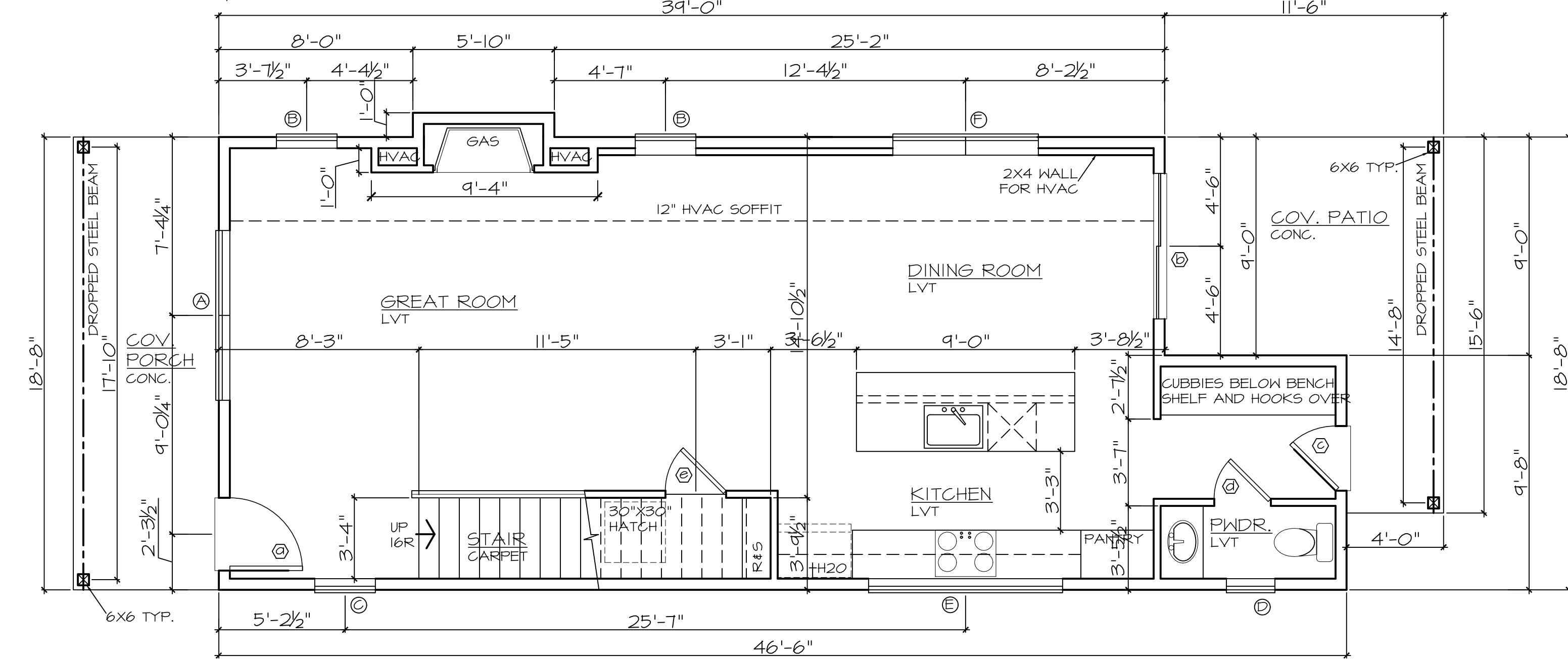
HOME DRAW
 DESIGNER:
 KEVIN INTERTYKUSZ
 3801 W 41st AVE.
 DENVER, CO 80211
 OF: (303) 319-4041

SHEET 1 OF 4
 DATE: 4-23-19
 REVISED:
 JOB:



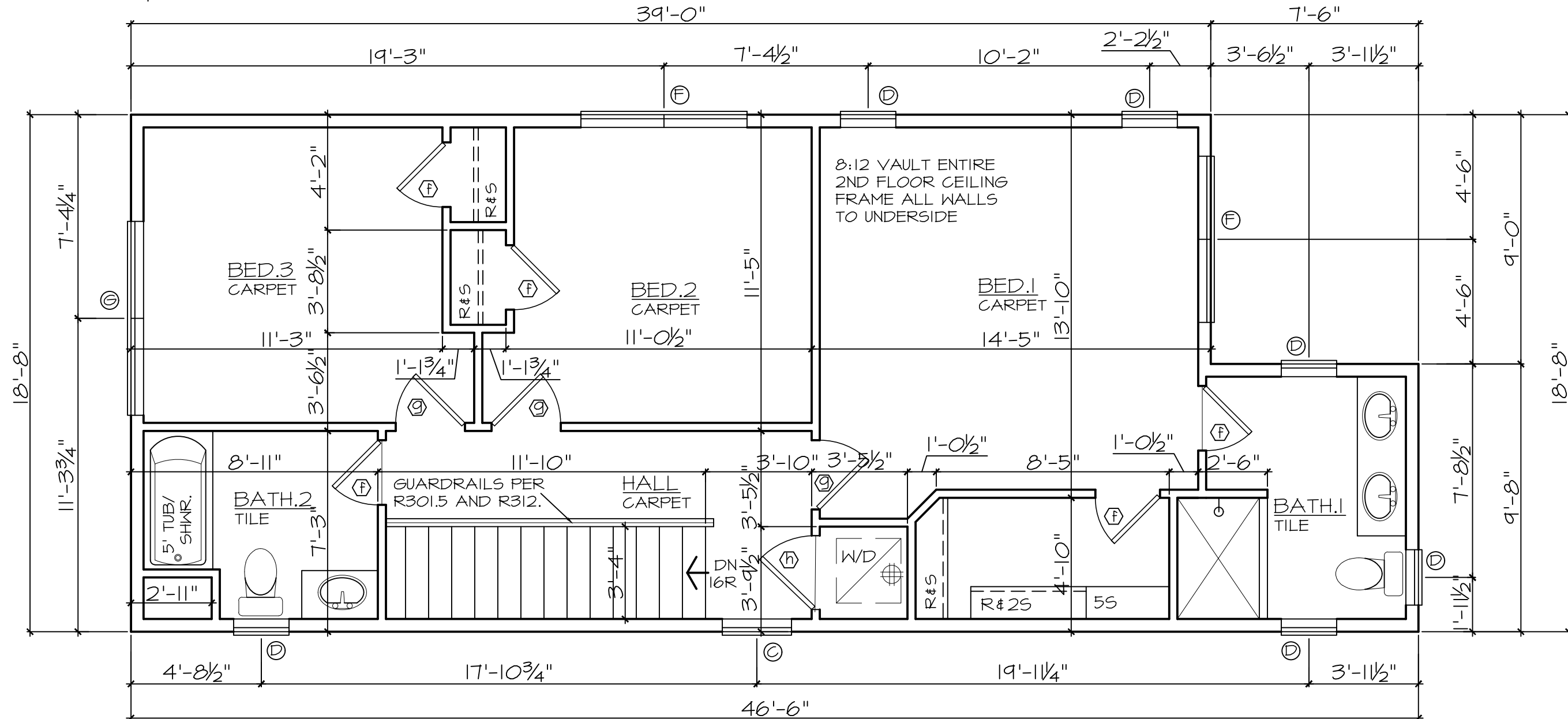
CRAWLSPACE FOUNDATION PLAN

1/4" = 1'-0"



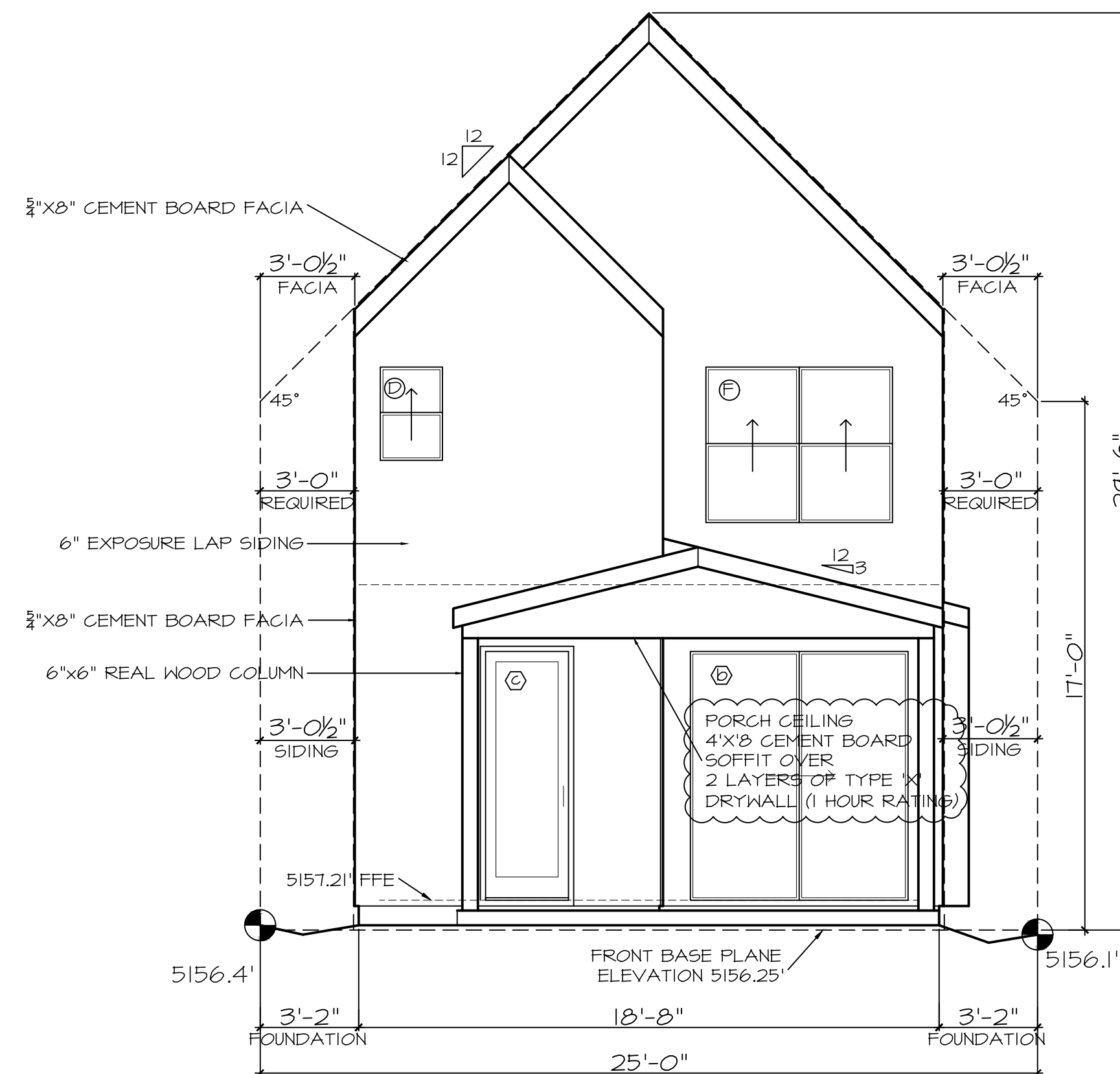
MAIN FLOOR PLAN

806 SQUARE FEET
1/4" = 1'-0"



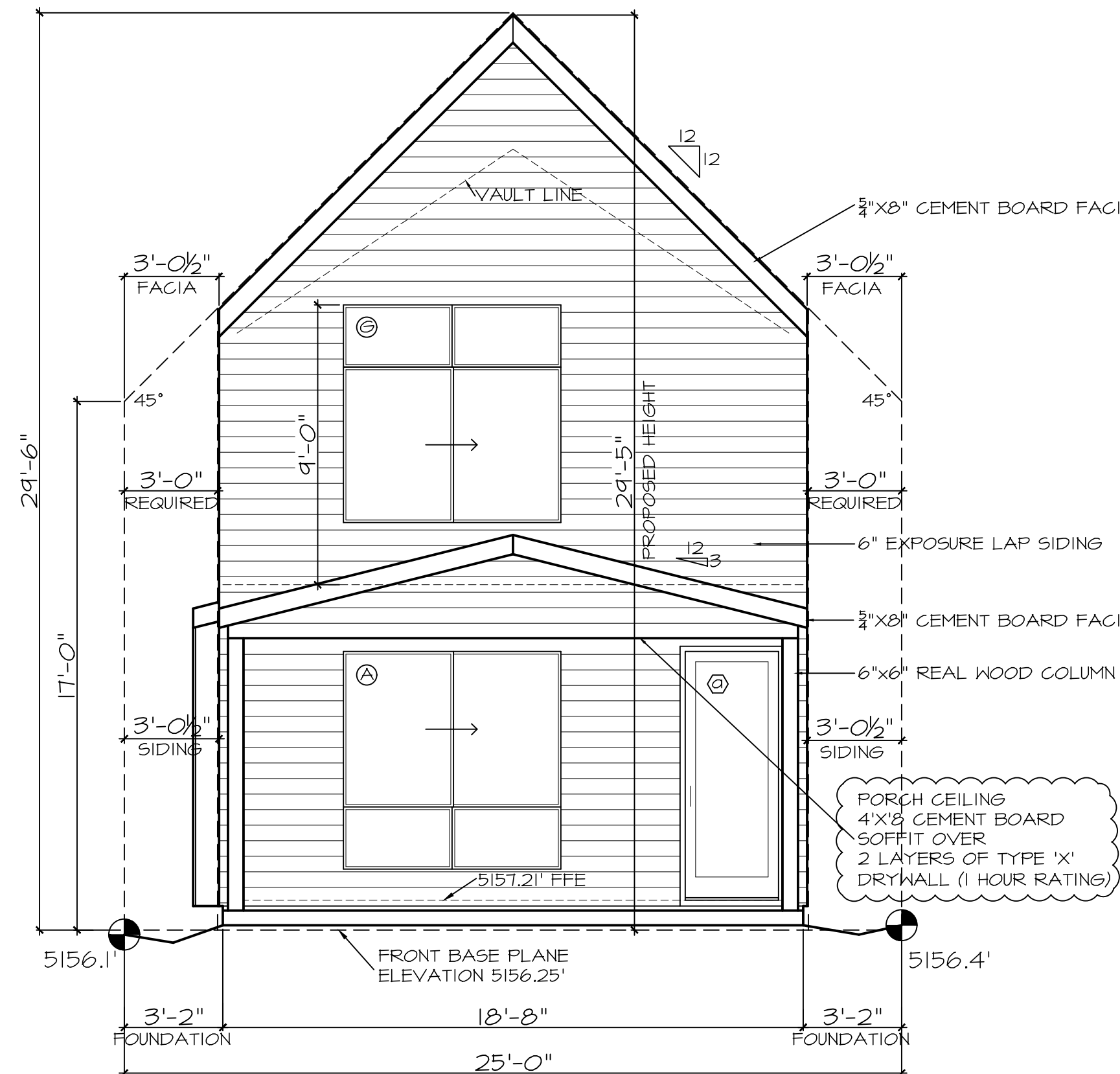
2ND FLOOR PLAN

800 SQUARE FEET
1/4" = 1'-0"



EAST ELEVATION

1/4" = 1'-0"



WEST (PRIMARY) ELEVATION

1/4" = 1'-0"

GENERAL CONSTRUCTION NOTES

THE FOUNDATION PLAN IS FOR REFERENCE TO FRAMING, PLUMBING AND MECHANICAL. REFER TO ENGINEERED FOUNDATION PLAN FOR INFORMATION ON STRUCTURAL FOUNDATION DETAILS. MINIMUM DEPTH FOR ALL FOUNDATIONS IS PER LOCAL BUILDING CODE.

FOUNDATION DIMENSIONS ARE FROM OUTSIDE OF POURED CONCRETE WALL TO OUTSIDE OF FOUNDATION CONCRETE WALL UNLESS OTHERWISE NOTED.

ABOVE GRADE DIMENSIONS ARE FROM OUTSIDE FACE OF STUD TO OUTSIDE FACE OF STUD UNLESS OTHERWISE NOTED.

MINIMUM HEADROOM CLEARANCE IN EACH STAIRWAY IS TO BE 6'-8". TOP OF HANDRAILS IS TO BE 36" - 38" ABOVE THE NOSING OF THE TREADS. BALLUSTERS SHALL NOT ALLOW A 4" DIAMETER SPHERE TO PASS THROUGH.

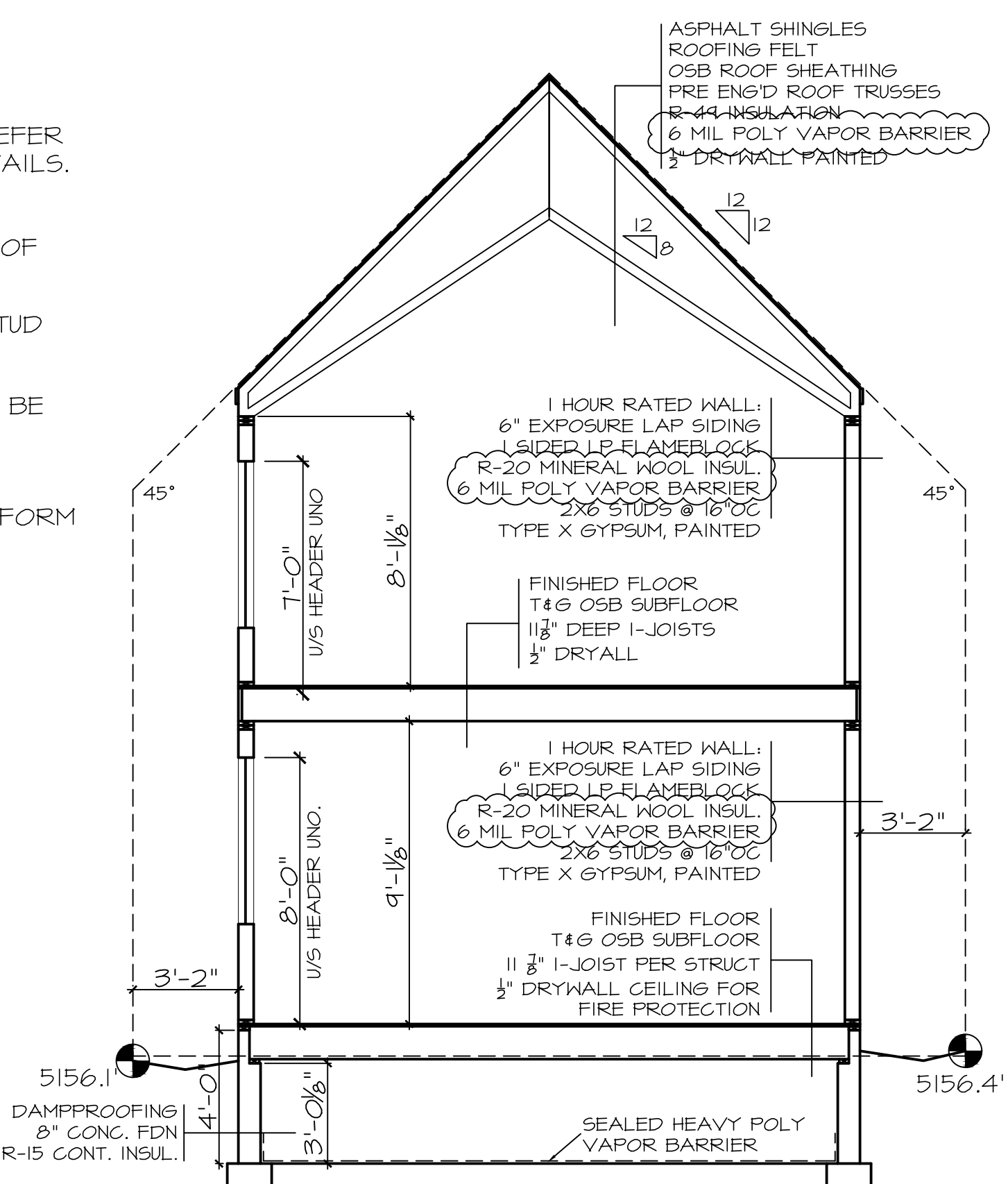
PROVIDE AT LEAST ONE EMERGENCY ESCAPE WINDOW IN ALL SLEEPING AREAS TO CONFORM TO ALL BUILDING CODES.

DOOR SCHEDULE

MARK	TYPE	COUNT	WIDTH	HEIGHT	COMMENTS
(A)	EXTERIOR SWING	1	3'0"	8'0"	FULL LITE
(B)	EXTERIOR SLIDING PATIO	1	6'0"	8'0"	FULL LITE
(C)	EXTERIOR SWING	1	2'8"	8'0"	FULL LITE
(D)	INTERIOR SWING	1	2'4"	8'0"	
(E)	INTERIOR SWING	1	2'6"	8'0"	
(F)	INTERIOR SWING	5	2'4"	6'8"	
(G)	INTERIOR SWING	3	2'6"	6'8"	
(H)	INTERIOR SWING	1	2'8"	6'8"	
(I)	OVERHEAD GARAGE	1	16'0"	7'0"	
(J)	EXTERIOR SWING GARAGE	2	3'0"	6'8"	

WINDOW SCHEDULE

MARK	TYPE	COUNT	WIDTH	HEIGHT	COMMENTS
(A)	MULLED COMBINATION	1	7'0"	7'0"	7'0\"/>
(B)	FIXED	2	2'0"	2'0"	
(C)	SINGLE HUNG	3	2'6"	4'0"	
(D)	SINGLE HUNG	1	2'0"	3'0"	
(E)	FIXED	1	8'0"	1'0"	FLUSH TO CEILING
(F)	MULLED COMBINATION	3	6'0"	5'0"	2-3'0\"/>
(G)	MULLED COMBINATION	1	7'0"	7'0"	2-3'6\"/>
(H)					
(I)					



BUILDING SECTION A-A

1/4" = 1'-0"

NOTE: AIR INFILTRATION BARRIER REFERENCING N1102.110 AIR LEAKAGE USING METHODS 1, 2a AND 3b, d AND e.

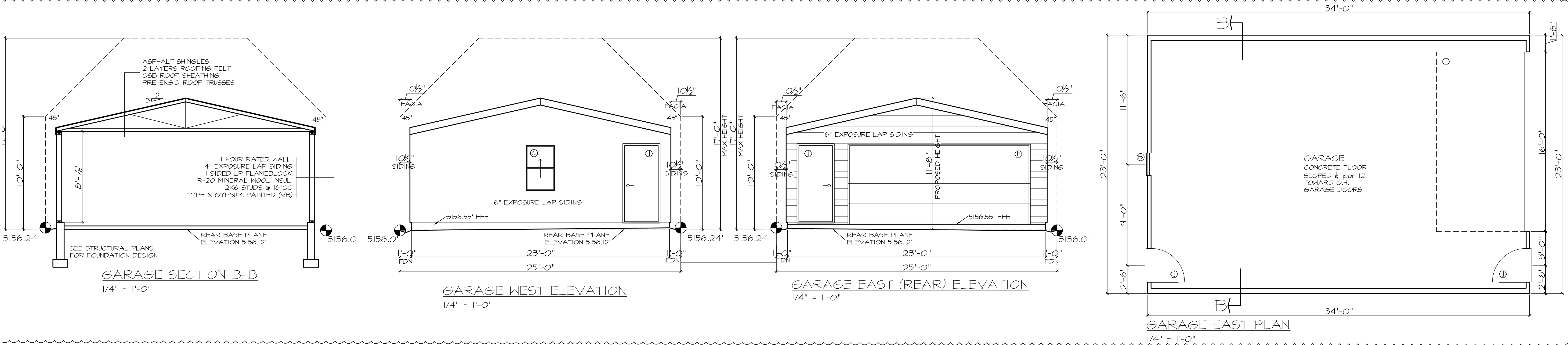
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CUSTOM SINGLE FAMILY DWELLING
4306 SHERMAN STREET

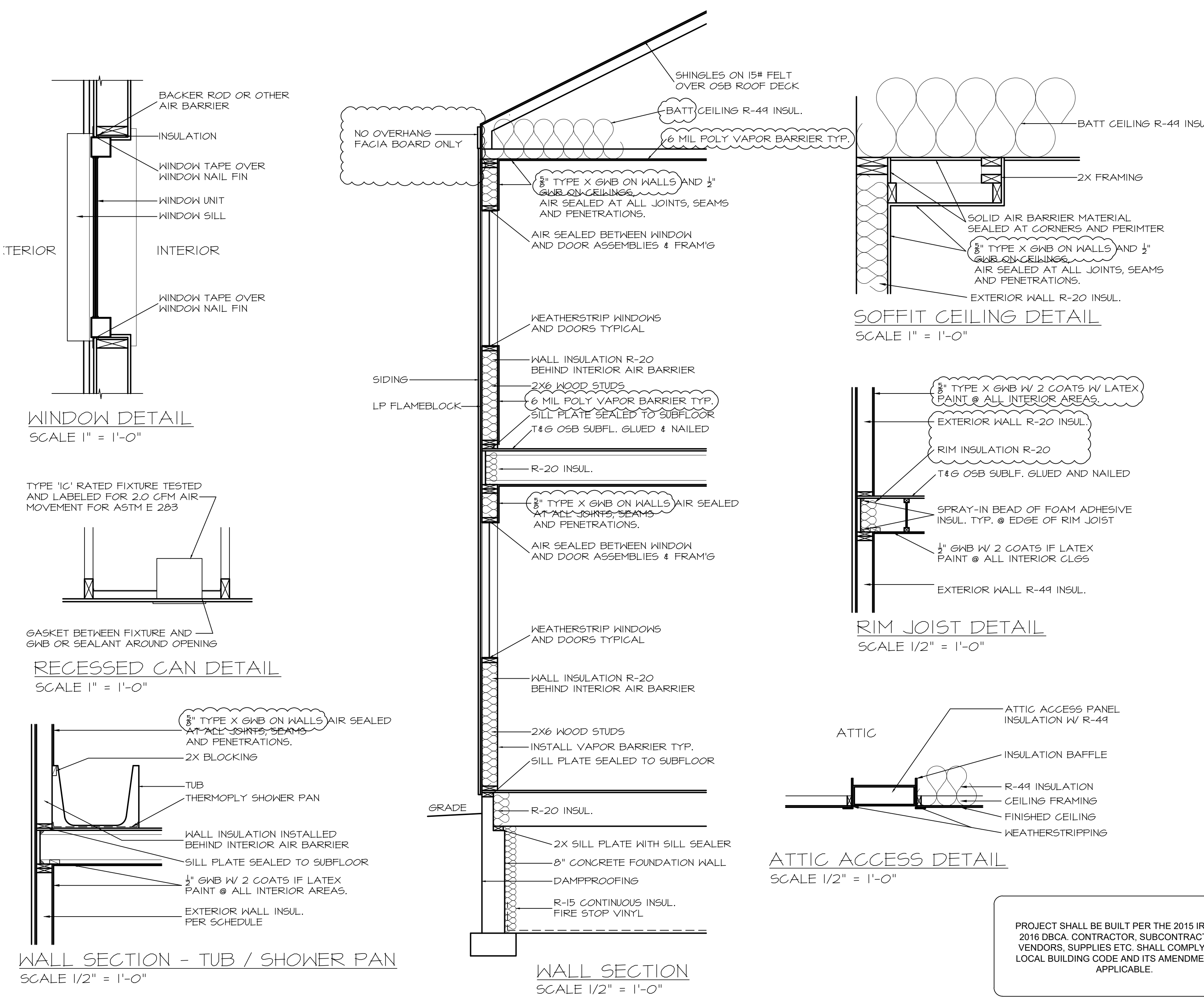
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SHEET 2 OF 4
DATE: 4-25-19
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ENERGY COMPLIANCE SHEET



PER 2015 INTERNATIONAL ENERGY CONSERVATION CODE

INSULATION REQUIREMENTS (IECC SEC. R402)
 UNLESS OTHERWISE NOTED, MEETING THE FOLLOWING MINIMUM REQUIREMENTS:

- R-20 OR R-13.5
- R-49 (CEILINGS WITH ATTIC SPACE, ALLOWED TO BE R-38 IF 100% UNCOMPRESSED INSULATION EXTENDS OVER WALL TOP PLATE)
- R-30 - RAFTERED CEILINGS, LIMITED TO 500sf OR 20% OF TOTAL AREA, WHICHEVER IS LESS.
- R-30 - FLOOR JOISTS ABOVE UNHEATED AREAS/CANTILEVERS OR FILL CAVITY (R-19 MIN.)
- R-10 DEPTH OF 2'-0" - SLAB
- R-15/14 - (CONT./STUD) CRAWLSPACE WALLS
- R-15/14 - (CONT./STUD) BASEMENT WALLS
- INSTALL INSULATION IN CONTINUOUS BLANKETS WITHOUT HOLES FOR ELECTRICAL BOXES, LIGHT FIXTURES OR DUCTWORK.

FENESTRATION (IECC SEC. R402.1.4 & R402.3)
 0.32 - FENESTRATION U-FACTOR
 0.55 - SKYLIGHT U-FACTOR
 DUCTS (IECC SEC. 403.3)

DUCTS SHALL BE PRESSURE TESTED IN ATTICS SHALL BE INSULATED TO A MIN. OF R-8, WHICH ARE 3" OR GREATER IN DIA. AND R-6 WHERE LESS THAN 3" IN DIA. SUPPLY AND RETURN DUCTS IN OTHER AREAS SHALL BE INSULATED TO A MIN. OF R-6, WHICH ARE 3" OR GREATER IN DIA. AND R-4.2 WHERE LESS THAN 3" IN DIA. DUCTS OF PORTIONS OF THAT ARE COMPLETELY LOCATED INSIDE THE BUILDING THERMAL ENVELOPE ARE EXEMPT FROM INSULATION REQUIREMENTS. AIR HANDLERS, CAVITIES AND FILTER BOXES MUST ALSO BE SEALED.

DUCT TESTING
 DUCTS SHALL BE PRESSURE TESTED TO DETERMINE AIR LEAKAGE BY ONE OF THE FOLLOWING: ROUGH-IN TEST OR POST CONSTRUCTION; TOTAL LEAKAGE WITHIN PRESSURE DIFFERENTIAL OF 0.1 INCH ACROSS THE SYSTEM, INCLUDING MANUFACTURER'S AIR HANDLER ENCLOSURE, ALL REGISTERS SHALL BE SEALED DURING THE TESTING.

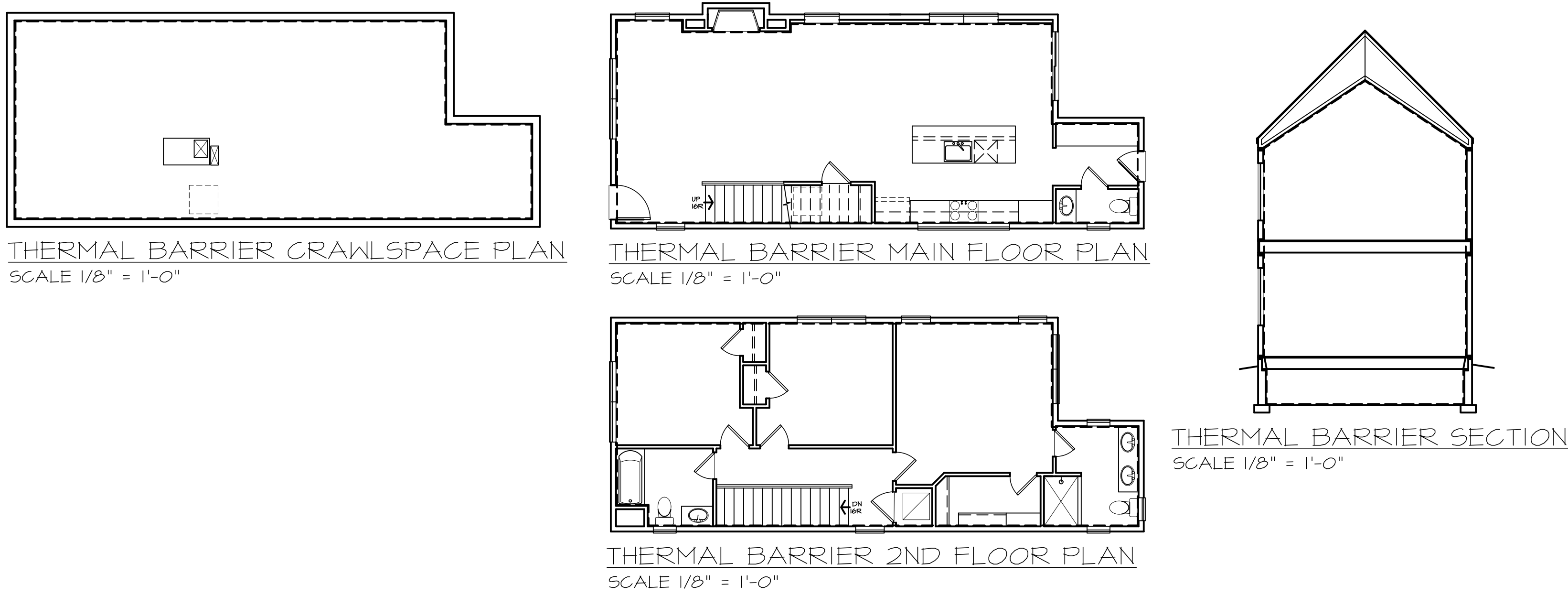
WINDOWS, SKYLIGHTS AND SLIDING GLASS DOORS SHALL HAVE AN AIR INFILTRATION RATE OF NO MORE THAN 0.3 CFM PER SQUARE FOOT, AND SWINGING DOORS NO MORE THAN 0.5 CFM.

PER SQUARE FOOT, WHEN TESTED ACCORDING TO NFRC 400 OR AAMA/MDMA/GSA 1015.2/A440 BY AN ACCREDITED, INDEPENDENT LABORATORY AND LISTED AND LABELED BY THE MANUFACTURER PER 402.4.3 MANDATORY AIR SEALING (IECC SEC. 402.4)

THE BUILDING ENVELOPE SHALL BE SEALED TO LIMIT AIR INFILTRATION. THE FOLLOWING LOCATIONS SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED WITH AIR BARRIER MATERIAL TO LIMIT AIR INFILTRATION PER 2015 IECC, SECTION 402.4.1:

- AIR BARRIER AND THERMAL BARRIER
- CEILING/ATTIC
- WALLS
- WINDOWS, SKYLIGHTS AND DOORS
- RIM JOISTS
- FLOORS
- CRAWLSPACE WALLS
- SHAFTS, PENETRATIONS
- NARROW CAVITIES
- GARAGE SEPARATION
- RECESSED LIGHTING
- FLUEBING AND AIRING
- SHOWER/TUB ON AN EXTERIOR WALL
- ELECTRICAL/PHONE BOX ON EXTERIOR WALLS
- HVAC REGISTER BOOTS THAT PENETRATE BUILDING THERMAL ENVELOPE
- FIREPLACE

TESTING PER 402.4.1.2
 THE DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT EXCEEDING 3 AIR CHANGES PER HOUR IN CLIMATE ZONES 3-8. TESTING SHALL BE CONDUCTED WITH A BLOWER DOOR AT A PRESSURE OF 0.2 INCHES W.G. (50 PASCALS), WHERE REQUIRED BY THE CODE OFFICIAL. TESTING SHALL BE CONDUCTED BY AN APPROVED THIRD PARTY. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL. TESTING SHALL BE PERFORMED AT ANY TIME AFTER CREATION OF ALL PENETRATIONS OF THE BUILDING THERMAL ENVELOPE.



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