

**GENERAL NOTES**

**CODES**

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND ORDINANCES AND ALL AUTHORITIES HAVING JURISDICTION.

**CONTRACTOR NOTES**

CONTRACTOR RETAINS THE RIGHT TO LOCATE AND/OR RELOCATE ANY MECHANICAL AND/OR STRUCTURAL SYSTEMS AND INDIVIDUAL COMPONENTS OF SUCH SYSTEMS IN ACCORDANCE WITH ACCEPTABLE STANDARDS OF THE EFFICIENCY OF OPERATION AS DETERMINED BY THE CONTRACTOR. ALL STRUCTURAL CHANGES SHALL BE APPROVED BY THE ARCHITECT PRIOR TO EXECUTION.

VERIFY EXACT LOCATION OF FOUNDATIONS IN FIELD BASED ON FINAL GRADE.

EACH CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. NOTIFY SUPERINTENDENT AND ARCHITECT IF DISCREPANCIES ARE FOUND. DO NOT PROCEED WITH THE WORK UNTIL ALL DISCREPANCIES HAVE BEEN RESOLVED.

MATERIALS SHALL BE USED AS SPECIFIED ON THESE PLANS. SUBSTITUTIONS OF MATERIALS WILL NOT BE ALLOWED WITHOUT ARCHITECT'S APPROVAL.

BACKFILL NOTE: THE FOUNDATION WALL SYSTEM HAS BEEN DESIGNED FOR A MAXIMUM ONE THIRD BACKFILL PRIOR TO THE INSTALLATION OF THE FLOOR DECK FRAMING.

**CARPENTRY NOTES**

DIMENSIONS SHOWN ON PLAN REFLECT 3/4" WALL THICKNESS UNLESS OTHERWISE NOTED. GENERAL CONTRACTORS SHALL PROVIDE 2x6 STUDS @ 16" O.C. FOR ALL UNSUPPORTED WALLS OVER 12'-0" IN HEIGHT.

ALL LOAD BEARING HEADERS SPANNING 6'-0" OR LESS SHALL BE (2) 2x12 1/4" 1/2" PLYWOOD SPACER UNLESS NOTED AS OTHERWISE ON PLANS.

STAIRS TO CONFORM TO ALL APPLICABLE CODES.

STAIR RAILINGS & BALUSTERS TO CONFORM TO ALL APPLICABLE CODES. GRASPABLE PORTION OF RAILING NOT TO EXCEED 2 5/8" IN CROSS SECTIONAL DIMENSION (2" IF CIRCULAR).

PROVIDE 3'-1" CLEAR WIDTH FOR ALL STAIR CONSTRUCTION.

ALL CANTILEVERS TO BE 2:1 MINIMUM FRAMING RATIO.

ALL FRAMING DRILLED FOR PLUMBING VENTS OR SIMILAR HOLES MUST BE A MINIMUM OF 2x6 STUDS IN LIEU OF 2x4 STUDS.

FIRE STOPPING SHALL BE REQUIRED AT ALL FURRING, PARTITIONS, AND OUTSIDE STUD WALLS AT LEVEL OF EACH FLOOR OR CEILING AND AT JUNCTURE OF ROOF STRUCTURE AND WALLS.

FINAL ROUGH FRAMING SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR BASED UPON MANUFACTURER'S PRODUCT INFORMATION PRIOR TO INSTALLATION.

PROVIDE SOLID BLOCKING TO FOUNDATION AT ALL POSTS

ALL HEADERS SPANNING 5'-0" OR LESS ARE TO HAVE SINGLE JACK STUDS AND SINGLE KING STUDS.

**TYPICAL PLAN NOTES**

ALL WALL DIMENSIONS SHOWN ARE FOR ROUGH FRAMING UNLESS NOTED OTHERWISE ON THESE DRAWINGS.

ALL UNDIMENSIONED INTERIOR WALLS ARE 3/4" THICK.

**STAIR NOTES**

ALL STAIR CONSTRUCTION & RAILINGS SHALL CONFORM TO ALL CURRENT APPLICABLE CODES.

TYPICAL STAIR RAIL: WOOD HANDRAIL @ 34" ABOVE LINE CONNECTING NOSINGS WITH BALUSTERS SPACED SO NO OPENING ALLOWS A 4" DIA. SPHERE TO PASS THROUGH.

TYPICAL BALCONY RAIL: 36" H RAIL WITH BALUSTERS SPACED SO NO OPENING ALLOWS A 4" DIA. SPHERE TO PASS THROUGH.

TYPICAL HANDRAIL: HANDRAILS TO BE PROVIDED ON STAIRWAYS OF THREE OR MORE RISERS. MINIMUM 34" MAXIMUM 38" ABOVE THE LEADING EDGE OF NOSING. ENDS TO BE RETURNED TO WALL OR TERMINATED AT NEVEL POST.

TYPICAL STAIR TREADS AND RISERS: CONSTRUCTED WITH SOLID RISERS

**ROOF TRUSS SYSTEM NOTE**

IT IS THE RESPONSIBILITY OF THE TRUSS DESIGNER TO DESIGN AND DETAIL THE ROOF TRUSS SYSTEM. THE ROOF TRUSS SYSTEM SHALL INCLUDE BUT IS NOT LIMITED TO, A COMPLETE ROOF PLAN INDICATING ALL TRUSS SIZES, LOCATIONS, CONNECTIONS, IMPOSED LOADS AND BEARING REQUIREMENTS. THE ROOF TRUSS SYSTEM SHALL BE DESIGNED TO ACCOMMODATE ALL LIVE, DEAD, SNOW, WIND AND UPLIFT LOADS AS REQUIRED BY ALL APPLICABLE AUTHORITIES. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR DETERMINING THE ROOF TRUSS SYSTEM REQUIREMENTS. THE ROOF TRUSS SYSTEM SHALL CONFORM TO THE DESIGN INTENT OF THE CONSTRUCTION DOCUMENTS PREPARED BY THE ARCHITECT. IF MODIFICATIONS TO THESE CONSTRUCTION DOCUMENTS IS REQUIRED DUE TO THE ROOF TRUSS SYSTEM, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY VIA THE GENERAL CONTRACTOR.

**ROOF FRAMING NOTE**

RAFTERS SHALL BE NAILED TO CEILING JOISTS TO FORM A CONTINUOUS TIE BETWEEN THE EXTERIOR WALLS WHERE JOISTS ARE PARALLEL TO THE RAFTERS. WHERE NOT PARALLEL, RAFTERS SHALL BE TIED WITH A RAFTER TIE LOCATED AS NEAR THE WALL PLATE AS PRACTICAL. RAFTER TIES SHALL BE SPACED NOT MORE THAN 32" ON CENTER.

THE END OF EACH RAFTER SHALL HAVE NOT LESS THAN 2" OF BEARING ON THE WALL TOP PLATE. THE SEAT CUT OF THE RAFTER SHALL NOT EXCEED THE WIDTH OF THE WALL PLATE. PROVIDE 2x4 BLOCKING TO THE WALL PLATE AS NEEDED TO ALIGN SOFFITS WHERE RAFTERS ARE OF VARIOUS PITCHES.

PROVIDE (2)2x4 POSTS AS NEAR THE TOP OF ALL VALLEY RAFTERS AS PRACTICAL. ALL POSTS ARE TO BEAR AT LOAD BEARING WALLS OR TO A (2)2x6 PLATE BEARING ON THREE OR MORE CEILING JOISTS. POSTS SHALL HAVE NOT LESS THAN A 45 DEGREE ANGLE FROM HORIZONTAL. WHERE VALLEY IS MORE THAN TWELVE FOOT IN SPAN PROVIDE AN ADDITIONAL POST AT MIDSPAN.

**NOTES & SPECIFICATIONS:**

**CONCRETE**

THE FOUNDATIONS HAVE BEEN DESIGNED ASSUMING A SAFE SOIL BEARING PRESSURE OF 2500 PSF AT DESIGN ELEVATIONS. CONTACT ARCHITECT IF SOIL OF LESS BEARING CAPACITY IS ENCOUNTERED AT FOOTING DESIGN ELEVATIONS.

ALL FOOTINGS SHALL EXTEND A MINIMUM OF 4'-0" BELOW GRADE. VERIFY EXACT FOOTING ELEVATIONS OF WALKOUT STEPS IN FIELD BASE UPON EXISTING GRADE CONDITIONS.

ALL CONCRETE TO BE 3000 PSI @ 28 DAYS.

ALL CONCRETE IN SEVERE AREAS (AS DETERMINED BY THE BUILDING INSPECTOR) TO BE 3500 PSI @ 28 DAYS. ALL EXPOSED EXTERIOR FLAT WORK TO BE 3500 PSI CONCRETE.

CONCRETE PIERS MUST EXTEND A MINIMUM OF 2" ABOVE AND 3'-6" BELOW GRADE.

CONCRETE FOUNDATIONS TO HAVE MIN. 1" CONCRETE COVER TO ANY ANCHOR BOLT OR ANY OTHER METAL REINFORCING OR ANCHORAGE.

CONCRETE SLABS:

- INTERIOR: 4" CONCRETE SLAB ON 6 MIL VAPOR BARRIER OVER 4" GRANULAR FILL
- GARAGE: 4" CONCRETE SLAB OVER 4" MIN. GRANULAR FILL
- PORCH: 4" CONCRETE SLAB OVER 4" MIN. GRANULAR FILL

**MASONRY**

EXTEND MASONRY TO COVER EXPOSED EDGE OF SIDING AT APPLICABLE CORNERS.

PROVIDE CONCEALED FLASHINGS AT ALL ROOF/WALL JUNCTIONS.

ALL NON-ARCHED MASONRY OPENINGS SPANNING 6'-4" OR LESS SHALL HAVE AN L 3 1/2" X 3 1/2" X 3/8" (LLV) STEEL LINTEL.

ALL NON-ARCHED MASONRY OPENINGS SPANNING MORE THAN 6'-4" BUT LESS THAN 9'-4" SHALL HAVE AN L 3 1/2" X 5 1/2" X 3/8" (LLV) STEEL LINTEL.

**WOODS AND PLASTICS**

NO NOTES

**THERMAL & MOISTURE PROTECTION**

PROVIDE CONCEALED ALUMINUM FLASHINGS AT ALL ROOF/WALL JUNCTIONS.

PROVIDE ALUMINUM FLASHING ABOVE ALL EXTERIOR WINDOW/DOOR HEAD TRIM.

METAL VALLEY FLASHING TO CONFORM WITH ALL APPLICABLE CODES.

WEATHER RESISTANT MEMBRANE FLASHING INSTALLED UNDER ALL SILLS.

SHINGLES TO BE 30-YEAR ARCHITECTURAL GRADE ASPHALT.

INSULATION (WHERE CALLED FOR):

EXTERIOR WALLS: R-20 KRAFT-FACED BATT INSULATION

CEILING: R-38 COMBINED BATT AND BLOWN CELLULOSE INSULATION

FOUNDATION: R-11 VERTICAL 2" RIGID FOAM BOARD EXTERIOR GRADE INSULATION INSTALLED AS SHOWN IN ON A5.1, A5.2

FLOOR/CEILING ABOVE UNCONDITIONED SPACE: R-30 UN-FACED BATT (R-19 OF ANY KIND IF ENTIRE FRAMING CAVITY IS FILLED), MUST BE IN CONTINUOUS CONTACT WITH UNDERSIDE OF FLOOR DECK.

**DOORS & WINDOWS**

BUILDING OWNER OR OWNER'S REPRESENTATIVE TO REVIEW, COORDINATE AND APPROVE ALL WINDOW AND DOOR MANUFACTURERS, LOCATIONS, SIZES, AND FINISHES WITH CONTRACTOR(S) PRIOR TO ORDERING MATERIALS OR START OF CONSTRUCTION.

WINDOW SIZES INDICATED ON ELEVATIONS ARE BASED UPON FELLA WINDOW & DOOR MANUFACTURER. VERIFY WINDOW CLEARANCES W/ ADJACENT ROOFS & WALLS.

ONE WINDOW PER BEDROOM MUST MEET THE FOLLOWING MINIMUM EGRESS REQUIREMENTS:  
MIN. OPENING AREA 5.7 SF (5.0 SF FOR WINDOWS ON GRADE LEVEL)  
MIN. OPENING WIDTH 20" CLEAR  
MIN. OPENING HEIGHT 24" CLEAR

ALL GLAZING SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES.

ALL OPERABLE WINDOWS SHALL HAVE AN INSECT SCREEN.

INTERIOR WINDOW TRIM TO BE DRYWALL WRAPPED

WRAP RETURNS AT ALL BI-FOLD DOORS W/ DRYWALL

**MECHANICAL**

LAYOUT AND SIZE OF MECHANICAL EQUIPMENT IS TO BE PROVIDED BY MECHANICAL CONTRACTOR. VERIFY EXACT EQUIPMENT LOCATIONS AND MECHANICAL LAYOUT WITH THE GENERAL CONTRACTOR PRIOR TO INSTALLATION.

HEATING TO BE DESIGNED TO MAINTAIN 70° INSIDE WITH 10° OUTSIDE.

PROVIDE 2x LIGHT & VENTILATION IN BASEMENT.

PROVIDE EXHAUST FANS FOR LAUNDRY ROOMS WITHOUT WINDOWS.

RANGE HOOD, VENT AND ALL EXHAUST FAN DUCTS MUST VENT TO EXTERIOR.

PROVIDE TYPE "B" GAS VENTS FOR FURNACES AND WATER HEATERS. VENT SHALL PENETRATE ROOF WITH TALL FLASHING CONE, STORM COLLAR, AND TERMINATION CAP.

FURNACE TO BE 90% EFFICIENT GAS FIRED.

MAXIMUM LENGTH OF CLOTHES DRYER EXHAUST DUCT SHALL NOT EXCEED 25' FROM THE DRYER LOCATION TO THE WALL OR ROOF TERMINATION. THE MAXIMUM LENGTH OF THE DUCT SHALL BE REDUCED 2 1/2' FOR EACH 45 DEG BEND AND 5' FOR EACH 90 DEG BEND. ADD BOOSTER FAN WHERE REQUIRED BY CODE.

ALL SUPPLY DUCTS IN ATTICS OR OTHER UNCONDITIONED SPACES SHALL BE INSULATED WITH R-8 MIN

**PLUMBING**

ALL SUPPLY LINES SHALL BE TYPE 'L' COPPER ABOVE GRADE AND TYPE 'K' COPPER BELOW GRADE.

PLUMBING CONTRACTOR TO SUPPLY A FULL SIZED WASTE LINE CLEAN-OUT AT WASTE LINE WITHIN 5'-0" OF EXTERIOR OF BUILDING.

UNDERGROUND WASTE AND VENT PIPING TO BE CAST IRON

PROVIDE NON-SCALDING BROWER VALVES.

WATER HEATER TO BE 90% EFFICIENT GAS.

ALL FLOOR DRAINS TO BE CONNECTED TO SANITARY UNLESS NOTED OTHERWISE.

ALL PIPING USED TO CARRY FLUIDS SHALL BE INSULATED WITH R-3 MIN

**ELECTRICAL**

ELECTRICAL CIRCUITS TO BE DESIGNED BY THE ELECTRICAL CONTRACTOR IN ACCORDANCE TO ALL APPLICABLE CODES.

ELECTRICAL CHARACTERISTICS ARE 120/240V 1PH 3W.

PLACEMENT OF ELECTRICAL OUTLETS TO FOLLOW THE 6/12 RULE.

ALL PADDLE TYPE CEILING FANS TO BE INSTALLED WITH REINFORCED JUNCTION BOXES.

ALL WIRING SHALL BE IN METAL CONDUIT. ALL EXPOSED WIRING IN BASEMENT TO BE IN METAL CONDUIT.

VERIFY ELECTRICAL REQUIREMENTS OF ALL APPLIANCES WITH MANUFACTURER'S SPECIFICATIONS. HARDWIRE APPLIANCES AS REQUIRED.

DISHWASHER, RANGE EXHAUST HOOD AND GARBAGE DISPOSAL TO BE ON DEDICATED CIRCUITS.

ALL SMOKE DETECTORS SHALL BE 110V. WITH BATTERY BACKUP. INTERCONNECT ALL DEVICES. AT LEAST ONE DEVICE MUST BE LOCATED WITHIN 15' OF EACH BEDROOM DOOR.

ALL RECESSED CAN LIGHT FIXTURES IN CLOTHES CLOSETS SHALL HAVE LENS COVERS & BE NO LESS THAN 6" HORIZONTALLY IN FRONT OF CLOSET SHELF OR STORAGE AREA PER N.E.C.

WORKING CLEARANCE ABOUT ELECTRICAL EQUIPMENT, 600 VOLTS OR LESS, SHALL BE 30". IN FRONT OF ELECTRICAL EQUIPMENT AND 3/4" FROM ELECTRICAL EQUIPMENT.

**APPLICABLE CODES**

- 1991 BOCA NATIONAL BUILDING CODE
  - 2004 CHICAGO BUILDING CODE - PLUMBING SECTION
  - 2010 CHICAGO BUILDING CODE - ELECTRICAL SECTION
  - 2009 INTERNATIONAL ENERGY CONSERVATION CODE
  - 1998 INTERNATIONAL MECHANICAL CODE
  - 1993 BOCA FIRE PREVENTION CODE
  - 1941 LIFE SAFETY CODE (NFPA)
  - 1996 BOCA NATIONAL PROPERTY MAINTENANCE CODE
- VILLAGE OF HILLSIDE ALL APPLICABLE CURRENT LOCAL AMENDMENTS
- USE GROUP: R-4, SINGLE-FAMILY RESIDENTIAL CONSTRUCTION TYPE: 5B, UNPROTECTED

# The Lopez Residence

## Hillside Disabled Veterans Home Project

### Hillside, Illinois



**DESIGN CRITERIA**

**DESIGN LOADS**

FLOOR JOISTS (ALL ROOMS & DECKS)	40# LIVE LOAD / 10# DEAD LOAD
ROOF RAFTERS (NO CEILING)	30# LIVE LOAD / 10# DEAD LOAD
ROOF RAFTERS (WITH FINISHED CEILING)	30# LIVE LOAD / 15# DEAD LOAD
CEILING JOISTS (WITH LIMITED ATTIC AREA)	20# LIVE LOAD / 10# DEAD LOAD
ROOF TRUSSES (TOP CHORD)	30# LIVE LOAD / 5# DEAD LOAD
ROOF TRUSSES (BOTTOM CHORD)	20# LIVE LOAD / 10# DEAD LOAD

**STRUCTURAL FRAMING LUMBER**

FLOOR JOISTS, CEILING JOISTS, HEADERS, AND RAFTERS IN-GRADE BASE VALUE AS DETERMINED BY WESTERN WOOD PRODUCTS ASSOCIATION. (USE NO MULTIPLIERS AGAINST BASE VALUE)

AT ALL FRAMED POSTS CONSISTING OF BUNDLED LUMBER, PROVIDE HEADER ACROSS MEMBERS TO DISTRIBUTE LOAD EVENLY.

#2	HEM-FIR	E = 1,900,000	BASE Fd = 850
#2	SPRUCE PINE-FIR	E = 1,400,000	BASE Fd = 875
DOUGLAS FIR SELECT STRUCTURAL		E = 1,900,000	BASE Fd = 1450

**MINIMUM IN-GRADE BASE VALUES FOR STUDS:**

FIRST FLOOR EXT. LOAD BEARING WALLS	E = 1,400,000	Fc = 825
FIRST FLOOR INT. LOAD BEARING WALLS	E = 1,200,000	Fc = 800
SECOND FLOOR EXT. LOAD BEARING WALLS	E = 1,200,000	Fc = 800
SECOND FLOOR INT. LOAD BEARING WALLS	E = 1,000,000	Fc = 600
ALL NON-LOAD BEARING WALLS	E = 1,000,000	Fc = 600

**EXTERIOR DECK STRUCTURAL FRAMING LUMBER**

ALL DECK STRUCTURAL FRAMING HAS BEEN DESIGNED BASED UPON #2 SOUTHERN YELLOW PINE OF U.S. ORIGIN AS CLASSIFIED BY THE SOUTHERN PINE MARKETING COUNCIL.

Fd: 2x8 = 1380 PSI / 2x10 = 1210 PSI / 2x12 = 1120 PSI	E = 1,600,000
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**ENGINEERED WOOD PRODUCTS**

MANUFACTURED STRUCTURAL WOOD PRODUCTS SUCH AS HEADERS AND BEAMS HAVE BEEN DESIGNED BASED UPON MICRO LAMBS AND PARALLAMS AS MANUFACTURED BY TRUS-JOIST.

1.5 TIMBERSTRAND	Fd = 2,250 PSI	E = 1,500,000 PSI
1.4 MICRO LAMBS	Fd = 2,400 PSI	E = 1,900,000 PSI
2.0 PARALLAMS	Fd = 2,400 PSI	E = 2,000,000 PSI

**DESIGN LOADS**

GUARD RAILS & HANDRAILS	200 lb. LIVE LOAD
STAIRS	40 lb. LIVE LOAD OR 900 lb. CONCENTRATED LOAD OVER AN AREA OF 4 SQUARE INCHES, WHICHEVER PRODUCES GREATER STRESSES.
WIND	40 M.P.H.
SNOW	30 lb. LIVE LOAD

**LIGHT & VENT SCHEDULE**

ROOM	AREA (S.F.)	LIGHT		VENT	
		REQ'D. (80%)	ACTUAL	REQ'D. (4%)	ACTUAL
GREAT ROOM/ DINING ROOM	453	36.24	117.50	18.12	45.60
MASTER BEDROOM	244	14.42	40.30	4.46	46.30
BEDROOM 2	124	4.42	11.70	4.46	5.90
BEDROOM 3	191	15.28	23.50	7.64	11.30
BONUS ROOM	311	24.88	36.60	12.44	11.30*

(\*) NOTE: ALL FINISHED SPACE WHERE NATURAL LIGHT AND VENT ARE NOT PROVIDED. PROVIDE ARTIFICIAL LIGHT CAPABLE OF PRODUCING AN AVERAGE ILLUMINATION OF 6 FOOT-CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30" ABOVE THE FLOOR LEVEL.

PROVIDE MECHANICAL VENTILATION SYSTEM CAPABLE OF PRODUCING 0.35 AIR CHANGES PER HOUR IN EACH FINISHED SPACE.

(\*) BATHROOM EXHAUST FAN SCHEDULE (VENT TO OUTDOORS)

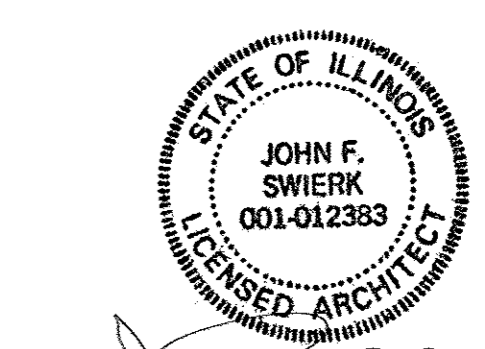
MASTER BATHROOM	100 CFM
HALL BATHROOM	50 CFM
POWDER ROOM	50 CFM

**ABBREVIATIONS**

A/C	AIR CONDITIONER	OPT	OPTIONAL
B.P.	BEAM POCKET	S & R	SHelf AND ROD
BSMT	BASEMENT	S.F.	SQUARE FOOT (FEET)
CONC.	CONCRETE	STD.	STANDARD
CONT.	CONTINUOUS	STL.	STEEL
E.F.	EXHAUST FAN	T.M.E.	TO MATCH EXISTING
E.T.R.	EXISTING TO REMAIN	TYP	TYPICAL
FDN	FOUNDATION	W/	WITH
FFCL	FLOOR FINISH CHANGE LINE	W/	WOOD
FIN.	FINISHED	W.C.	WALK-IN CLOSET
F.P.	FIREPLACE	W.P.	WATER PROOF FIXTURE
F.P.H.B.	FROST PROOF HOSE BIB	W/	IN LIEU OF
GFI	GROUND FAULT INTERRUPT	G.D.O.	GARAGE DOOR OPENER
GGB	GUT GREY BOX	W/	WINDOW SYMBOLS
HDR	HEADER		
I.L.O.	IN LIEU OF	⊕	EGRESS WINDOW
MFR	MANUFACTURER	⊕	TEMPERED GLASS WINDOW
MIN	MINIMUM		
M.L.D.	MOULDING		
P.L.T.	PRESSURE PRESERVATIVE TREATED	⊕	EGRESS WINDOW HARDWARE KIT REQD
PSI	POUNDS PER SQUARE INCH		
O.C.	ON CENTER	⊕	FIXED (INACTIVE) WINDOW

**ARCHITECT CERTIFICATION**

I HEREBY CERTIFY UNDER OATH THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, THAT I AM FAMILIAR WITH THE CODES AND ORDINANCES OF THE VILLAGE OF HILLSIDE, AND TO THE BEST OF MY KNOWLEDGE THESE PLANS COMPLY WITH THE BUILDING ORDINANCE, ZONING ORDINANCE AND OTHER APPLICABLE CODES AND ORDINANCES OF THE VILLAGE OF HILLSIDE, ILLINOIS.



DIRECT DESIGN LIMITED  
REGISTRATION NUMBER:  
184-002823

**INDEX OF SHEETS**

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- A2.2 UPPER LEVEL PLAN AND ROOF PLAN
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- E1.1 ELECTRICAL PLANS

**AREA DATA**

MAIN FLOOR	1,691 SF
UPPER FLOOR	1,003 SF
TOTAL	2,694 SF

AREA DATA SHOWN ABOVE IS A COMPARATIVE VALUE FOR USE BY DIRECT DESIGN LTD AND OWNER. DATA DOES NOT SHOW GROSS FLOOR AREAS FOR USE IN FLOOR AREA RATIO CALCULATIONS.

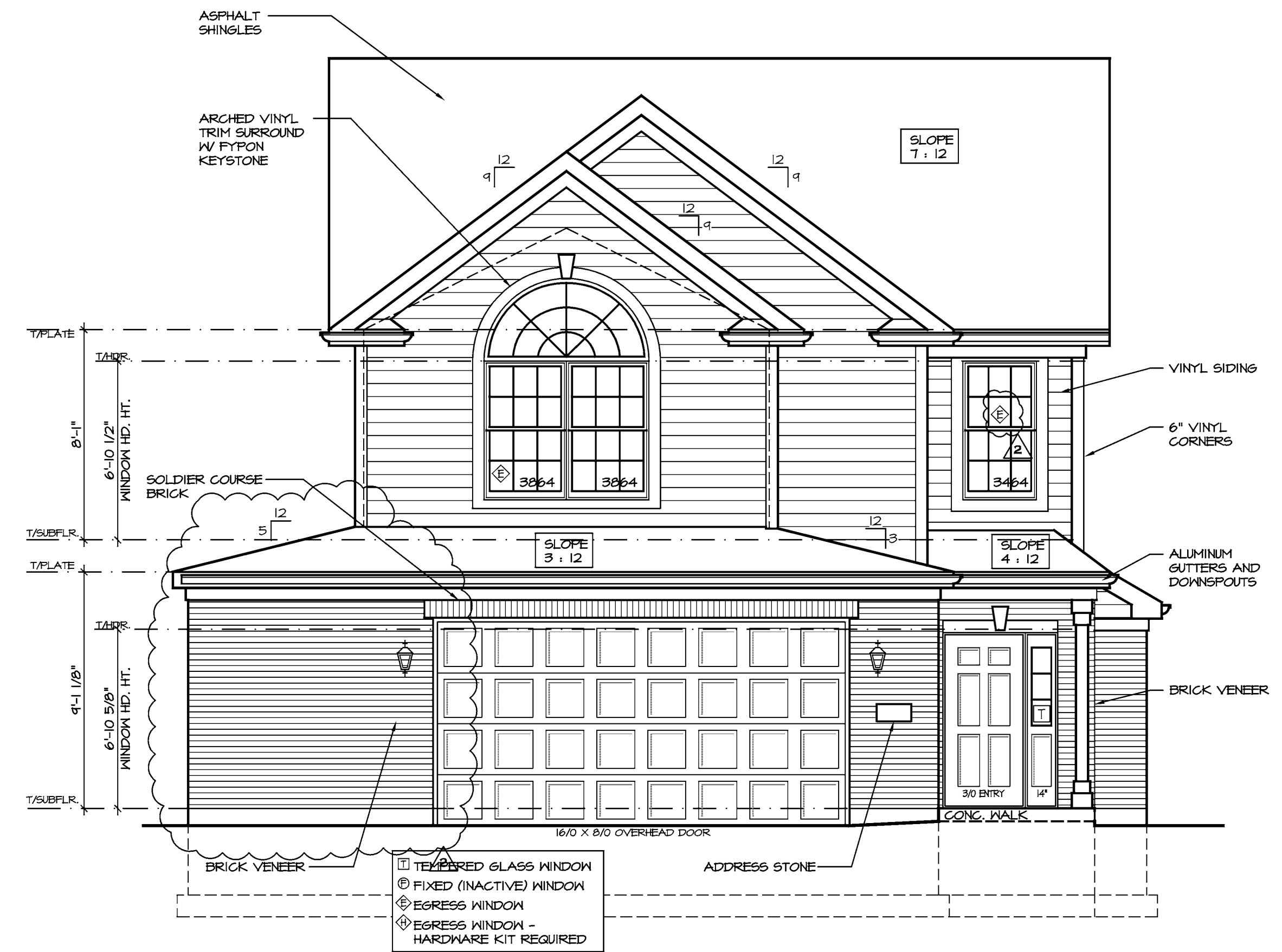
**LOPEZ RESIDENCE**  
HILLSIDE DISABLED VETERANS HOME PROJECT  
34 OAK AVENUE  
HILLSIDE, ILLINOIS 60162

**PLOTE HOMES, LLC**  
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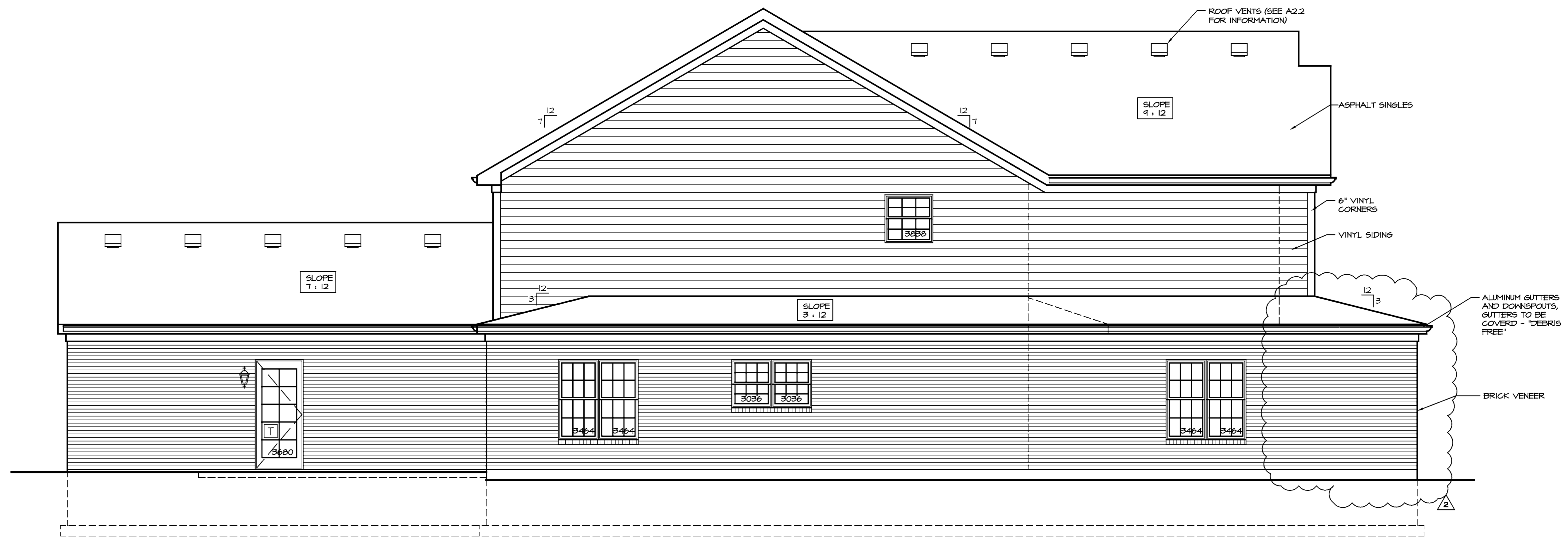
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3321 S. Route 31  
Prairie Grove, IL 60012  
815-



**EAST ELEVATION**

SCALE : 1/4" = 1'-0"



**SOUTH ELEVATION**

SCALE : 1/4" = 1'-0"

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 HILLSIDE DISABLED VETERANS HOME PROJECT  
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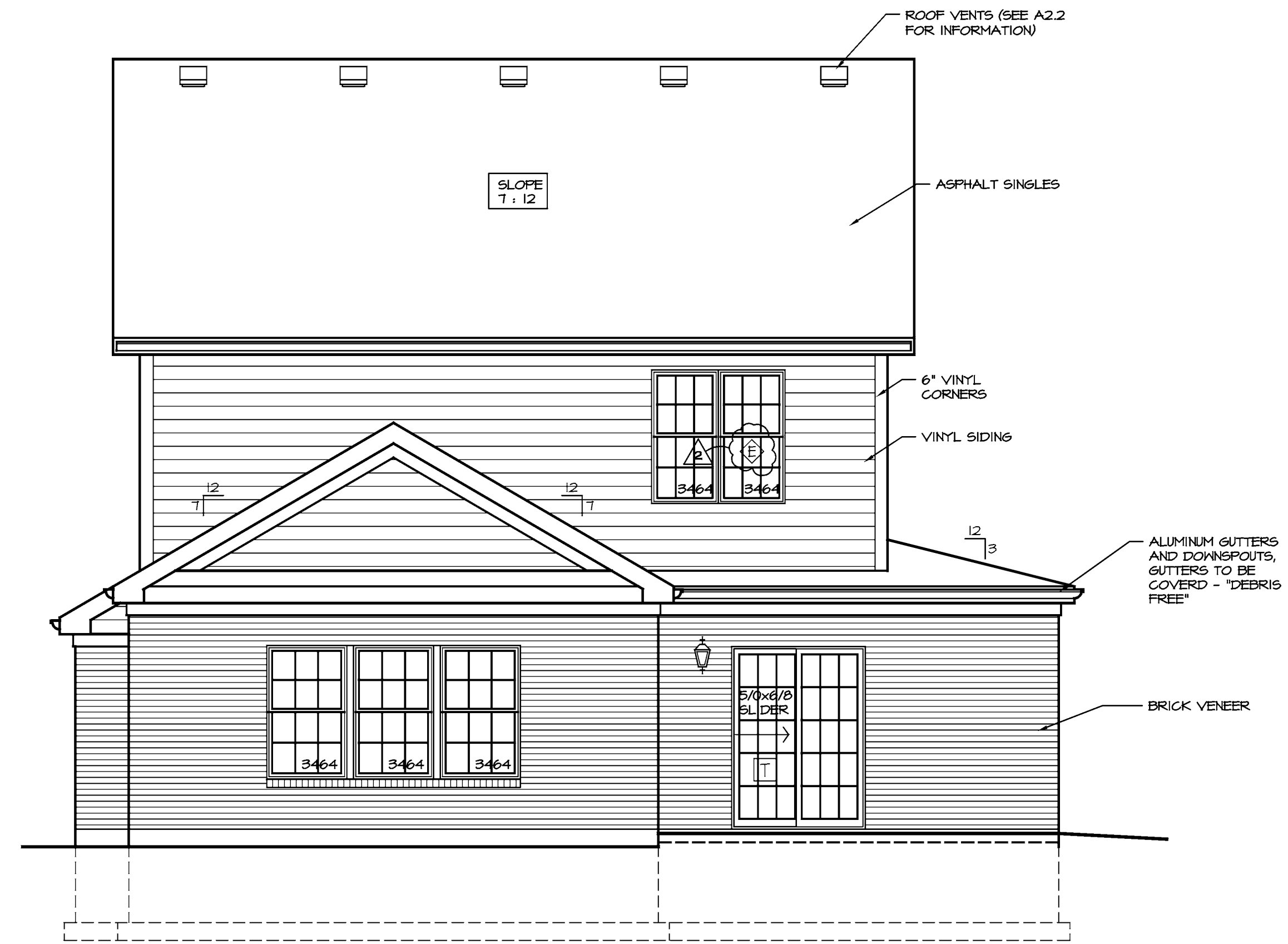
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PROJECT NO.	209138
DRAWN BY	SPP
EXTERIOR ELEVATIONS	
<b>A1.1</b>	





**WEST ELEVATION**

SCALE : 1/4" = 1'-0"



**NORTH ELEVATION**

SCALE : 1/4" = 1'-0"

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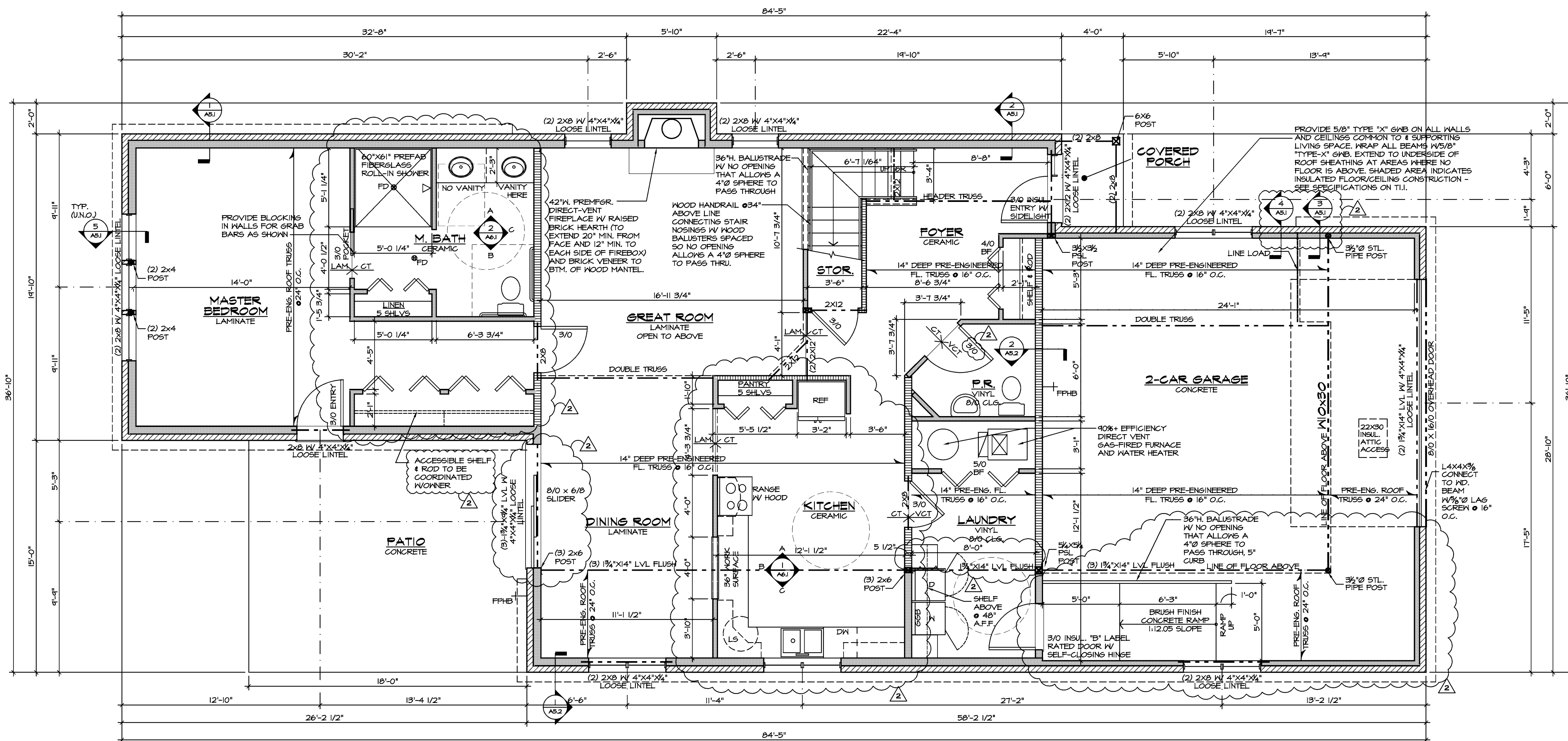
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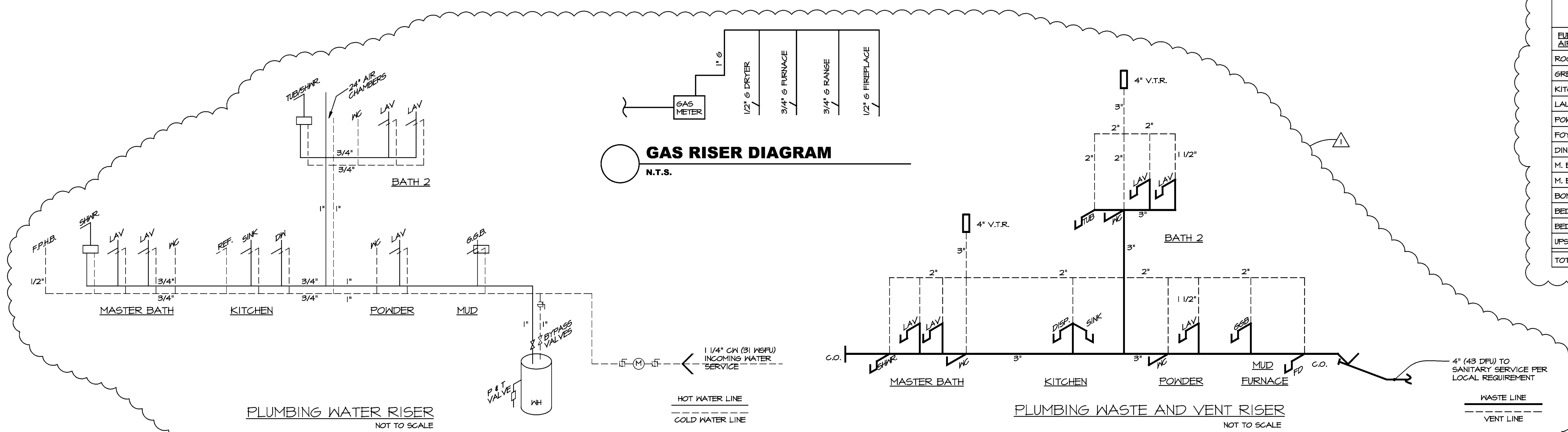
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PROJECT NO.	209138
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EXTERIOR ELEVATIONS	
<b>A1.2</b>	



**MAIN LEVEL PLAN**

SCALE : 1/4" = 1'-0"



**MECHANICAL LOADS**

FURNACE INPUT: 110,000 BTU/H OUTPUT: 81,000 BTU/H  
 AIR CONDITIONERS/AIR HANDLING: 3.0 TON/ 1200 CFM OUTPUT

ROOM	CFM PROVIDED	NOTES
GREAT ROOM	200	
KITCHEN	100	
LAUNDRY	50	
POWDER ROOM	50	
FOYER	50	
DINING ROOM	100	
M. BATH	50	
M. BEDROOM	150	
BONUS ROOM	200	
BEDROOM 2	100	
BEDROOM 3	100	
UPSTAIRS BATH	50	
TOTAL	1200	

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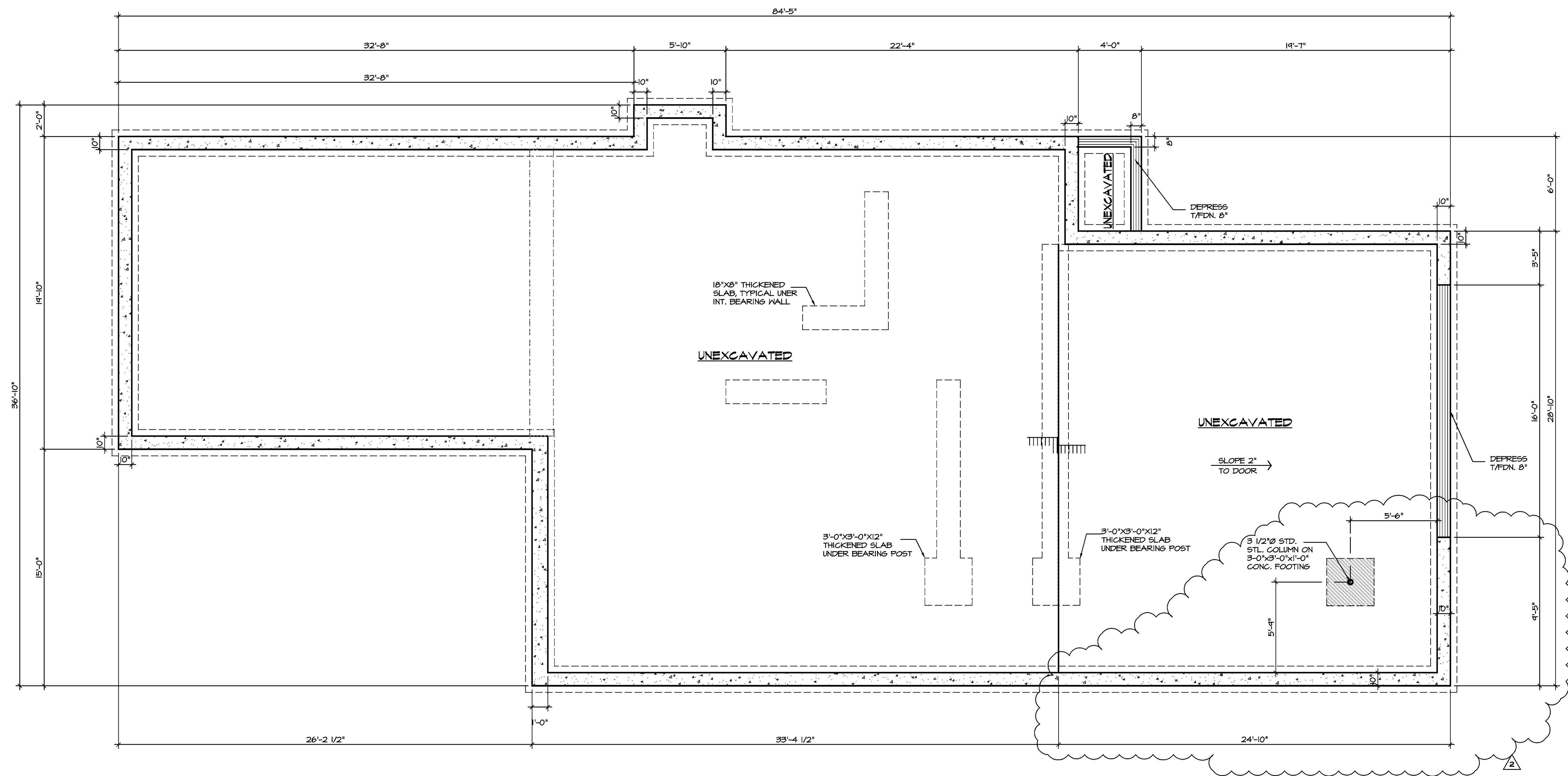
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BUILDER REVIEW	04.22.2010
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PROJECT NO. 208138  
 DRAWN BY SPP  
 MAIN LEVEL PLAN

**A2.1**





**FOUNDATION PLAN**

SCALE : 1/4" = 1'-0"

**LOPEZ RESIDENCE**  
 HILLSIDE DISABLED VETERANS HOME PROJECT  
 34 OAK AVENUE  
 HILLSIDE, ILLINOIS 60162

**PLOTE HOMES, LLC**  
 1141 E. MAIN STREET, SUITE 201, EAST DUNDEE, ILLINOIS 60118

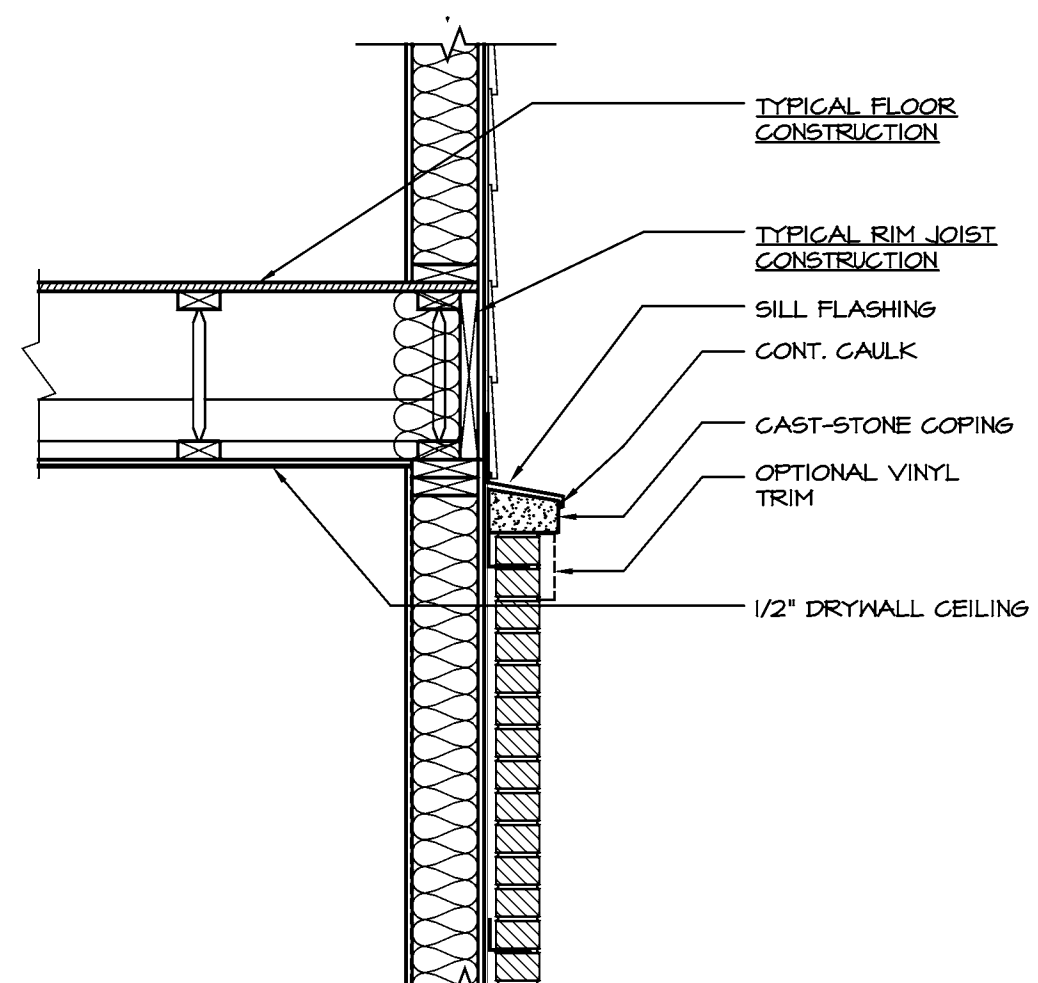
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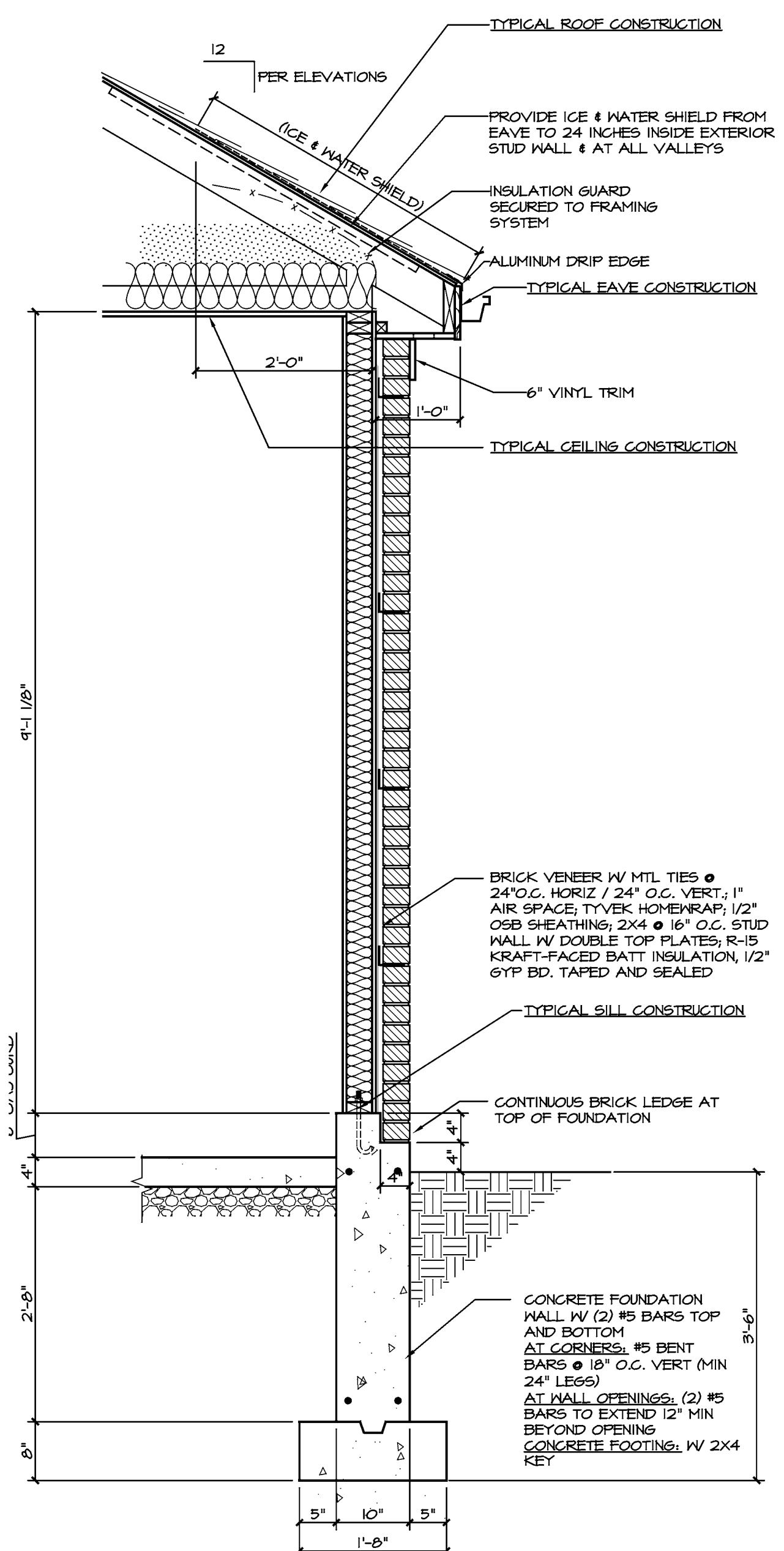
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FOUNDATION PLAN STANDARD	
<b>A3.1</b>	

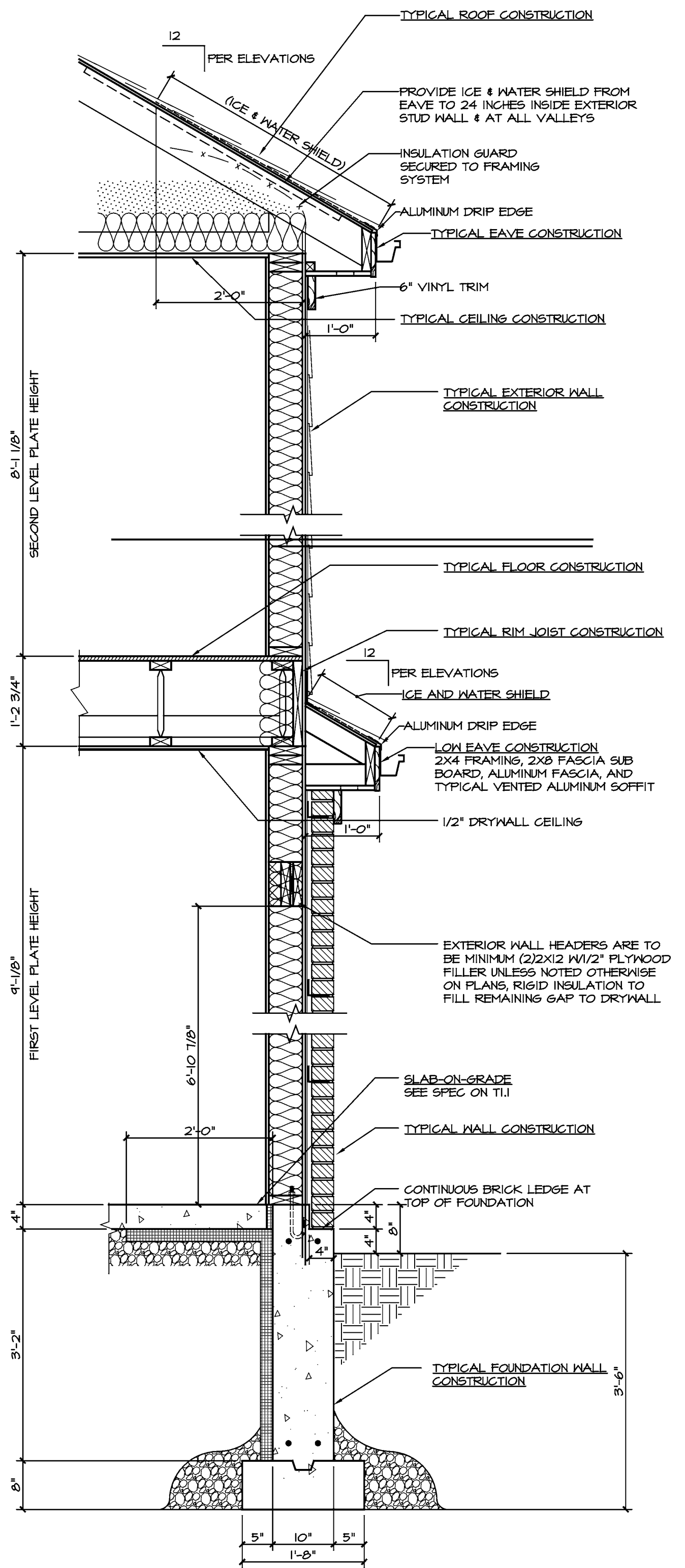




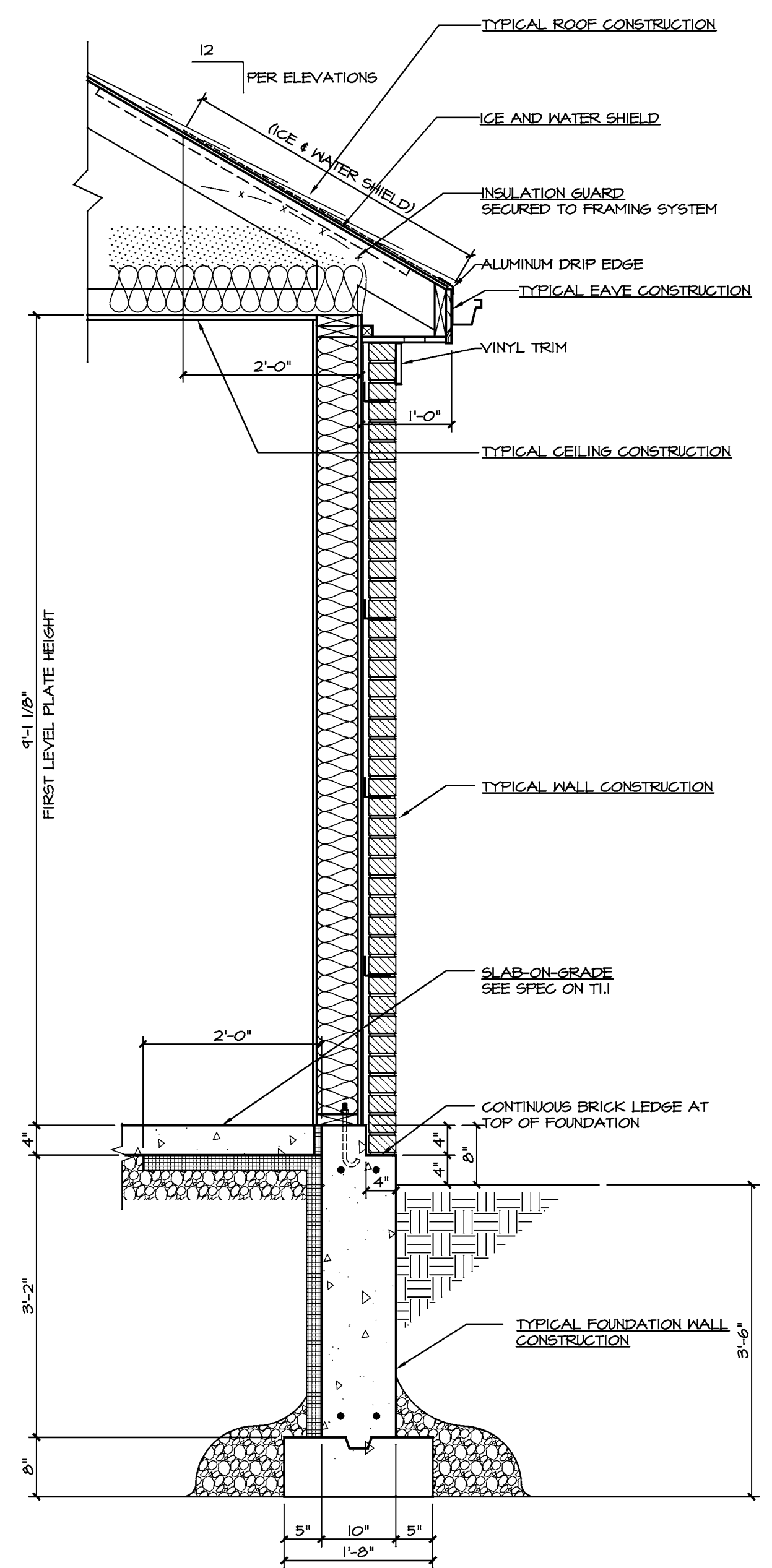
**4 WALL SECTION**  
@ BRICK COPING SCALE: 3/4" = 1'-0"



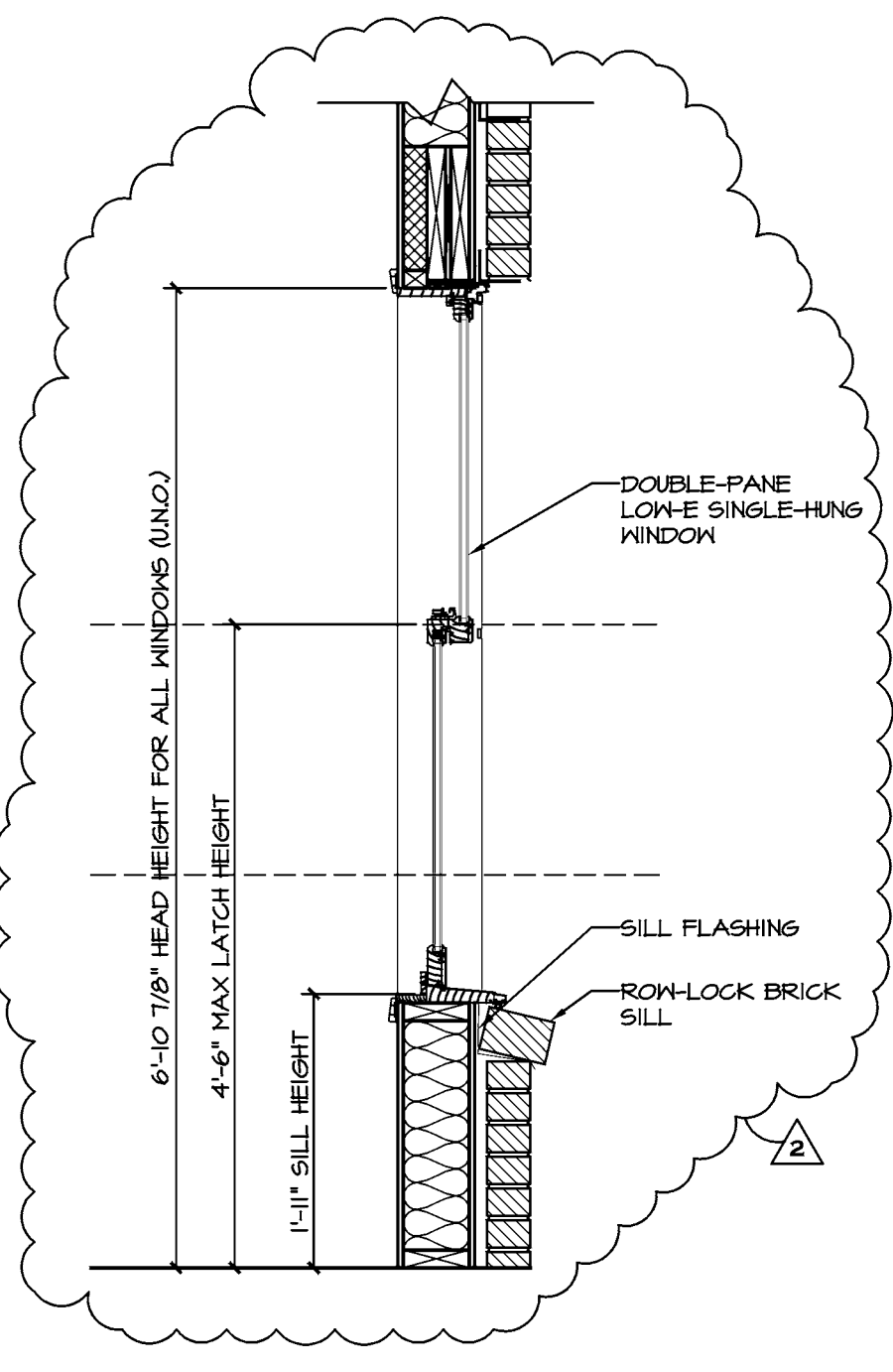
**3 TYPICAL WALL SECTION**  
@ GARAGE - SLAB-ON-GRADE SCALE: 3/4" = 1'-0"



**2 TYPICAL 2-STORY WALL**  
SLAB-ON-GRADE SCALE: 3/4" = 1'-0"



**1 TYPICAL 1-STORY WALL**  
SLAB-ON-GRADE SCALE: 3/4" = 1'-0"



**5 WINDOW DETAIL**  
SCALE: 3/4" = 1'-0"

**WALL SECTION LEGEND**

**ROOF CONSTRUCTION:**  
30 YEAR ASPHALT SHINGLES; ROOF VENTS; #15 FELT PAPER 5/8" CDX; PLYWOOD SHEATHING W/ CLIPS AT MIDPOINT BETWEEN TRUSSES @ 24" O.C.; 10' ENERGY TRUSS DESIGN BY OTHERS

**ICE AND WATER SHIELD:**  
PROVIDE FROM EAVE TO 24 INCHES INSIDE EXTERIOR STUD WALL & AT ALL VALLEYS

**CEILING CONSTRUCTION:**  
INSTALL 48" LONG BAFFLES BETWEEN TRUSSES TO MAINTAIN 1" MINIMUM AIRSPACE BELOW ROOF SHEATHING; R-38 INSULATION CONSISTING OF COMBINED BLOWN-IN AND BATT OVER 6MIL VAPOR BARRIER AND 5/8" DRYWALL

**EAVE CONSTRUCTION:**  
ALUMINUM GUTTER & DOWNSPOUTS, 1x8 CEDAR FASCIA ON 2X8 FASCIA SUB-BOARD, ALUMINUM SOFFIT - VENTED, 2" SLOTTED VENTS EQUALLY SPACED ALONG SOFFIT PERIMETER TO SATISFY VENT REQUIREMENTS (SEE TABLE A3.1)

**FLOOR CONSTRUCTION:**  
FLOOR FINISH PER PLAN OVER 3/4" OSB SUBFLOOR GLUED & NAILLED OVER FLOOR JOISTS PER PLAN W/ WOOD CROSS BRIDGING @ MID-SPAN OR MAXIMUM 8'-0" O.C.

**EXTERIOR WALL CONSTRUCTION:**  
VINYL SIDING (5\"/>

**LOPEZ RESIDENCE**  
HILLSIDE DISABLED VETERANS HOME PROJECT  
34 OAK AVENUE  
HILLSIDE, ILLINOIS 60162

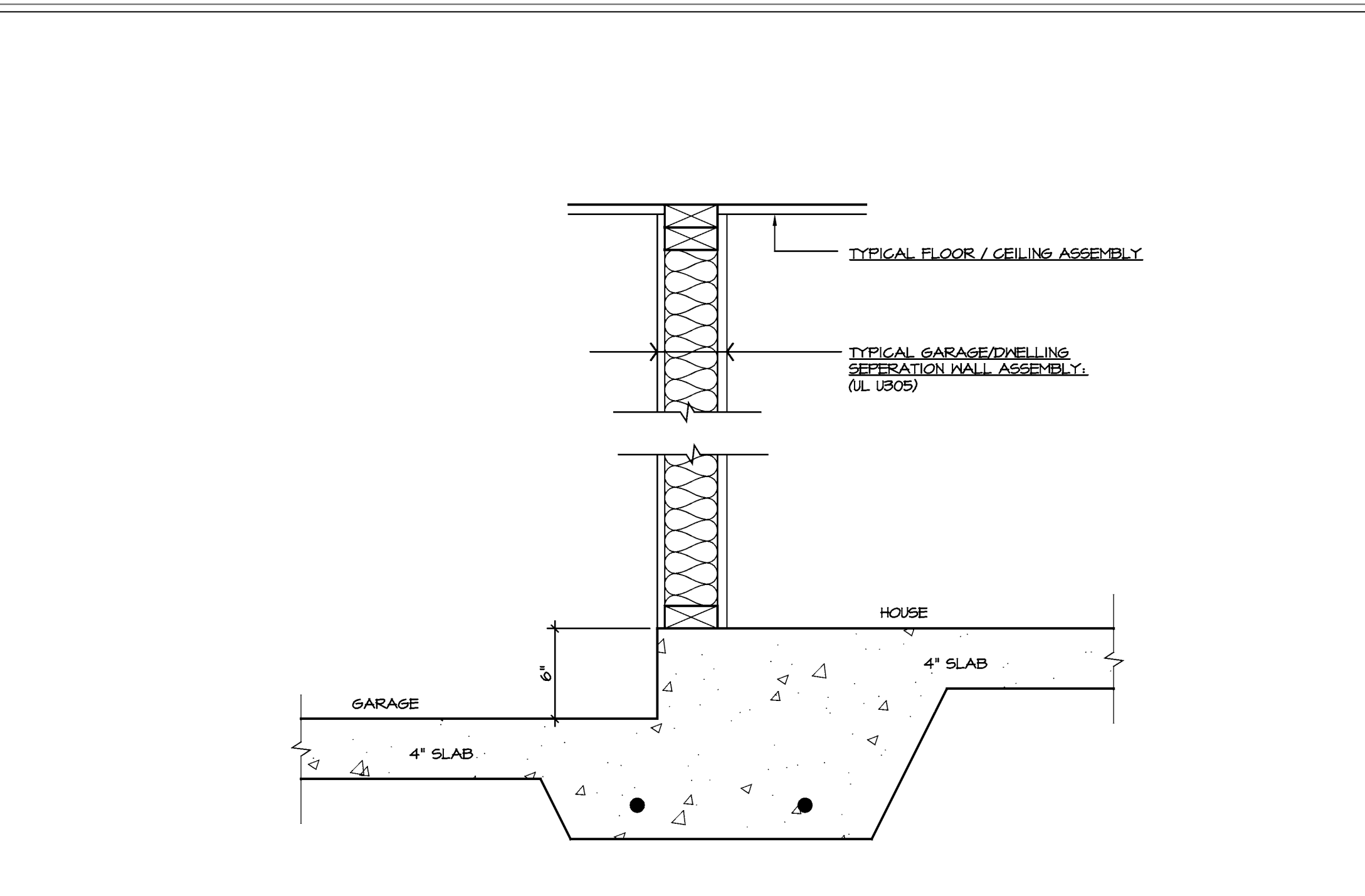
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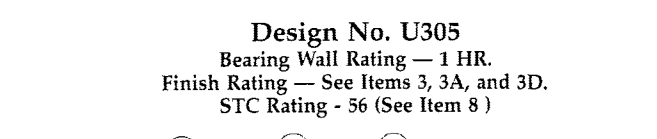
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WALL SECTIONS  
**A5.1**

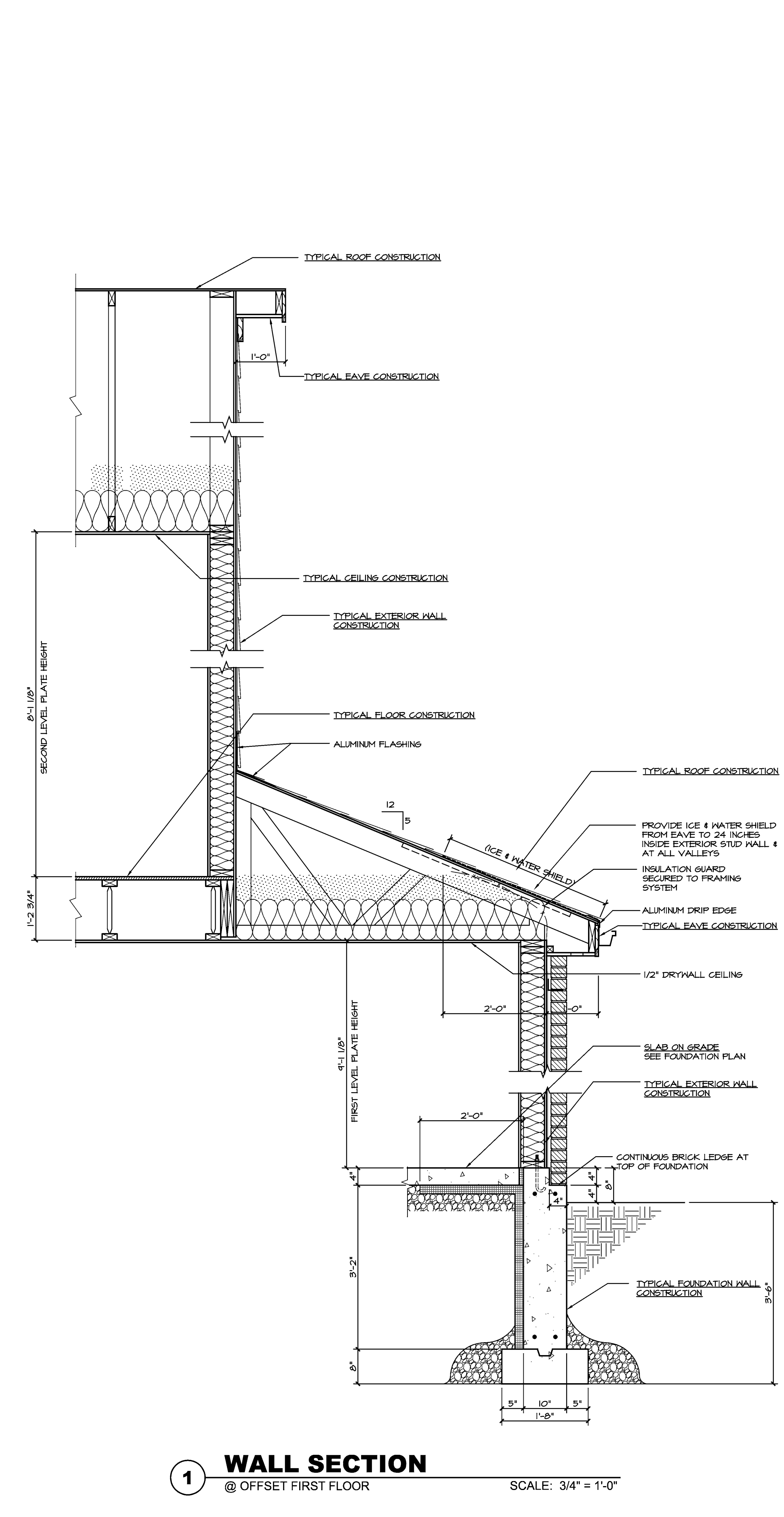


**2 PARTITION TYPE DETAIL**  
@ GARAGE/DWELLING SEPARATION SCALE: 1 1/2" = 1'-0"



- Wood Studs — Nom 2 by 4 in. spaced 16 in. OC max, effectively encased.
- Joints and Nail-Heads — Exposed or covered with fiber tape and joint compound, except where required for specific edge configuration. For tapered, rounded-edge gypsum board, joints covered with joint compound or fiber tape and joint compound. As an alternate, from 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of classified veneer baseboard, joints reinforced. Nailheads exposed or covered with joint compound.
- Gypsum Board\* — 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC, with 1d cement coated nails 1-7/8 in. long, 0.0193 in. shank diam and 13/64 in. diam heads. When used in widths other than 48 in., gypsum panels are to be installed horizontally. For an alternate method of attachment of gypsum panels, refer to Item 6 or 6A, Steel Framing Members\*.

- Gypsum Board\* — (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum boards are to be installed horizontally. Finish Rating is 24 minutes.
- Gypsum Board\* — (As an alternate to Item 3) — Nom 3/4 in. thick, installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-3/8 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A.
- Steel Framing Members (Optional, Not Shown)\* — Furring channels and Steel Framing Members on one side of studs as described below.
  - Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 6.
  - Steel Framing Members\* — used to attach furring channels (Item 6A) to one side of studs only. Clips spaced 48 in. OC, and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.



**1 WALL SECTION**  
@ OFFSET FIRST FLOOR SCALE: 3/4" = 1'-0"

**WALL SECTION LEGEND**

**ROOF CONSTRUCTION**  
30 YEAR ASPHALT SHINGLES; ROOF VENTS; #15 FELT PAPER 5/8" CDX PLYWOOD SHEATHING W/ CLIPS AT MIDPOINT BETWEEN TRUSSES @ 24" O.C.; 10' ENERGY TRUSS DESIGN BY OTHERS

**ICE AND WATER SHIELD**  
PROVIDE FROM EAVE TO 24 INCHES INSIDE EXTERIOR STUD WALL & AT ALL VALLEYS

**CEILING CONSTRUCTION**  
INSTALL 48" LONG BAFFLES BETWEEN TRUSSES TO MAINTAIN 1" MINIMUM AIRSPACE BELOW ROOF SHEATHING; R-38 INSULATION CONSISTING OF COMBINED BLOW-IN AND BATT OVER 6MIL VAPOR BARRIER AND 5/8" DRYWALL

**EAVE CONSTRUCTION**  
ALUMINUM GUTTER & DOWNSPOUTS, 1x8 CEDAR FASCIA ON 2X8 FASCIA SUB-BOARD, ALUMINUM SOFFIT - VENTED, 2" SLOTTED VENTS EQUALLY SPACED ALONG SOFFIT PERIMETER TO SATISFY VENT REQUIREMENTS (SEE TABLE A3.1)

**FLOOR CONSTRUCTION**  
FLOOR FINISH PER PLAN OVER 3/4" OSB SUBFLOOR GLUED & NAILLED OVER FLOOR JOISTS PER PLAN W/ WOOD CROSS BRIDGING @ MID-SPAN OR MAXIMUM 8'-0" O.C.

**EXTERIOR WALL CONSTRUCTION**  
VINYL SIDING (5\"/>

**LOPEZ RESIDENCE**  
HILLSIDE DISABLED VETERANS HOME PROJECT  
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**PLOTE HOMES, LLC**  
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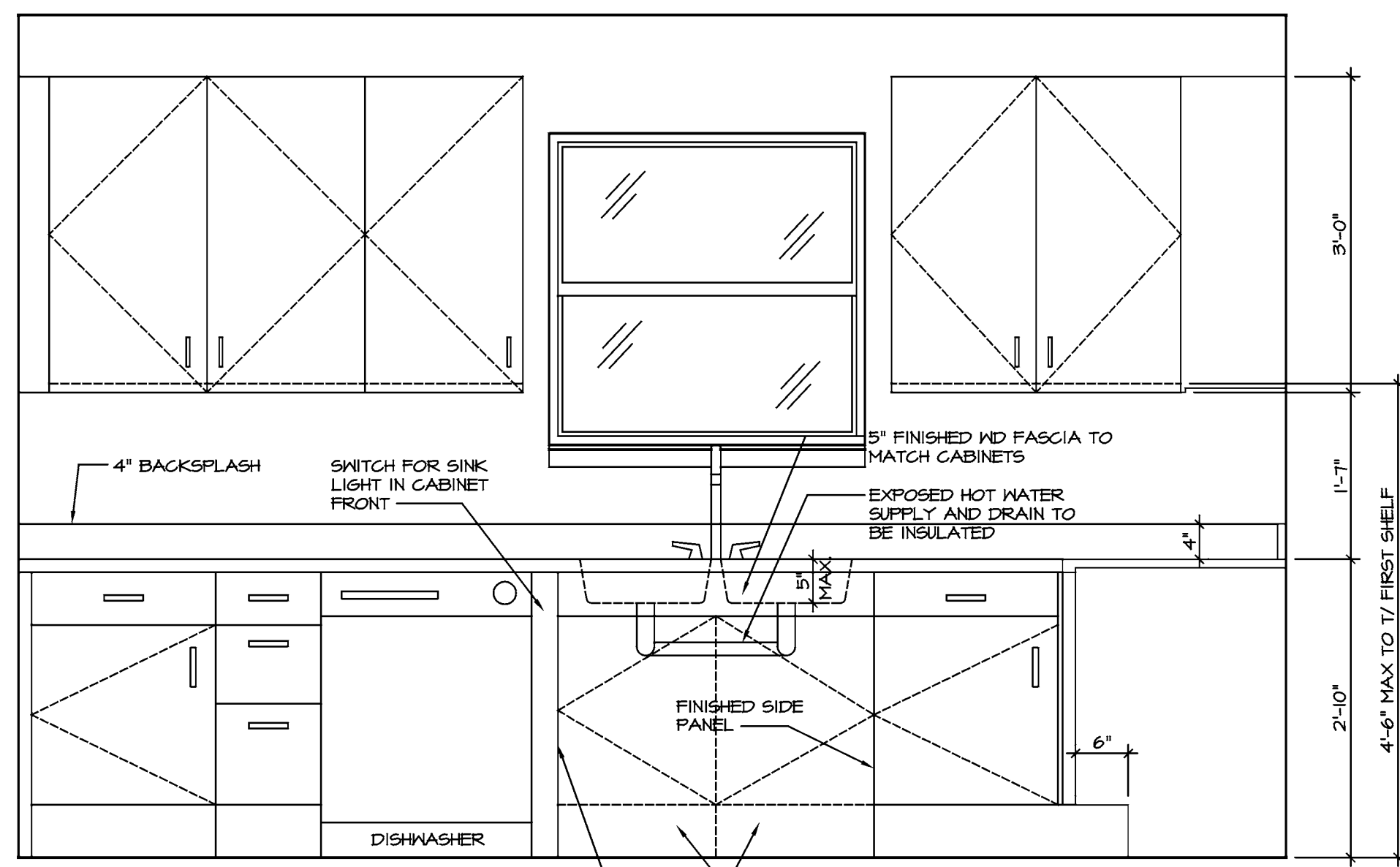
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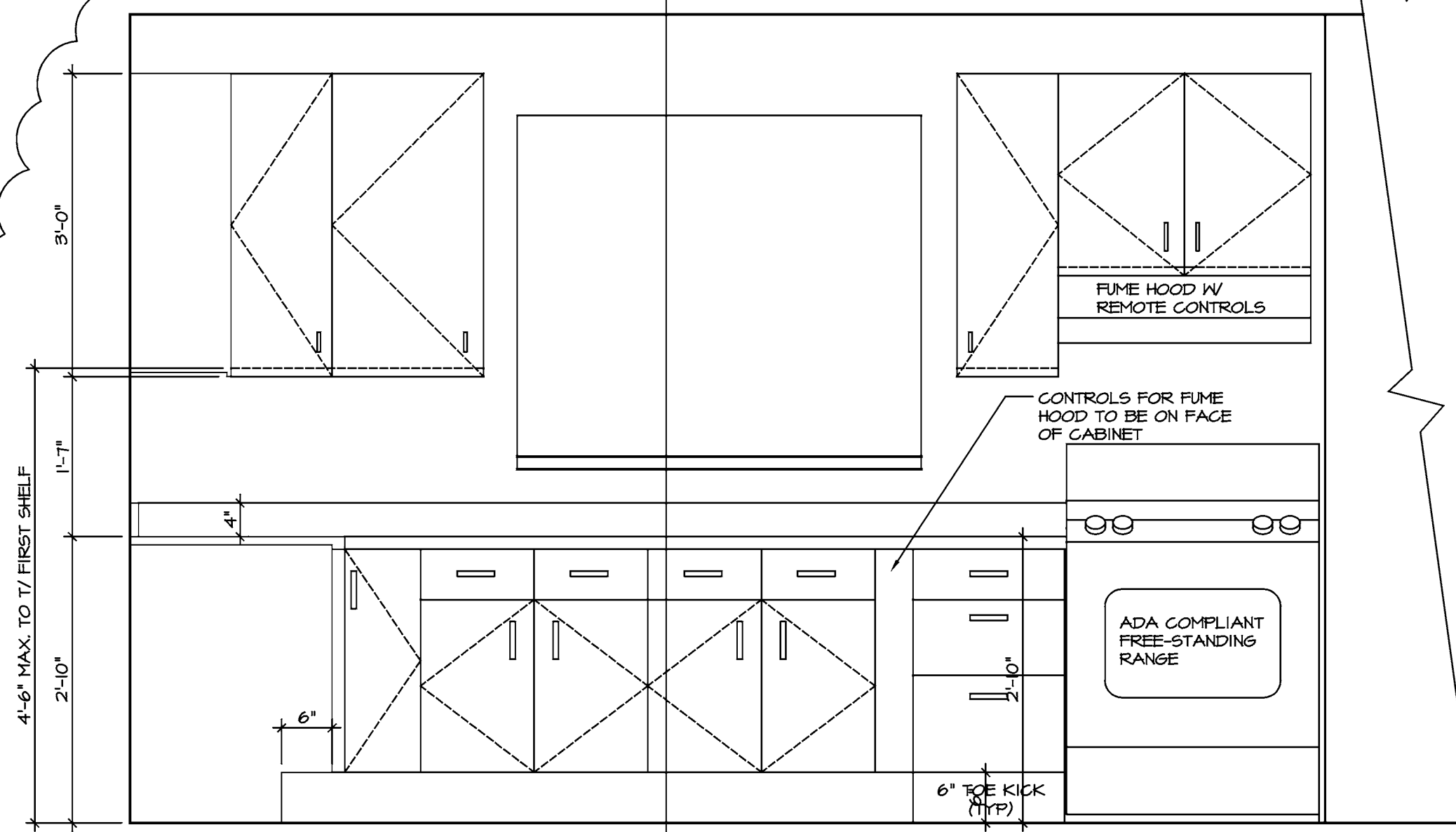
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WALL SECTIONS  
**A5.2**

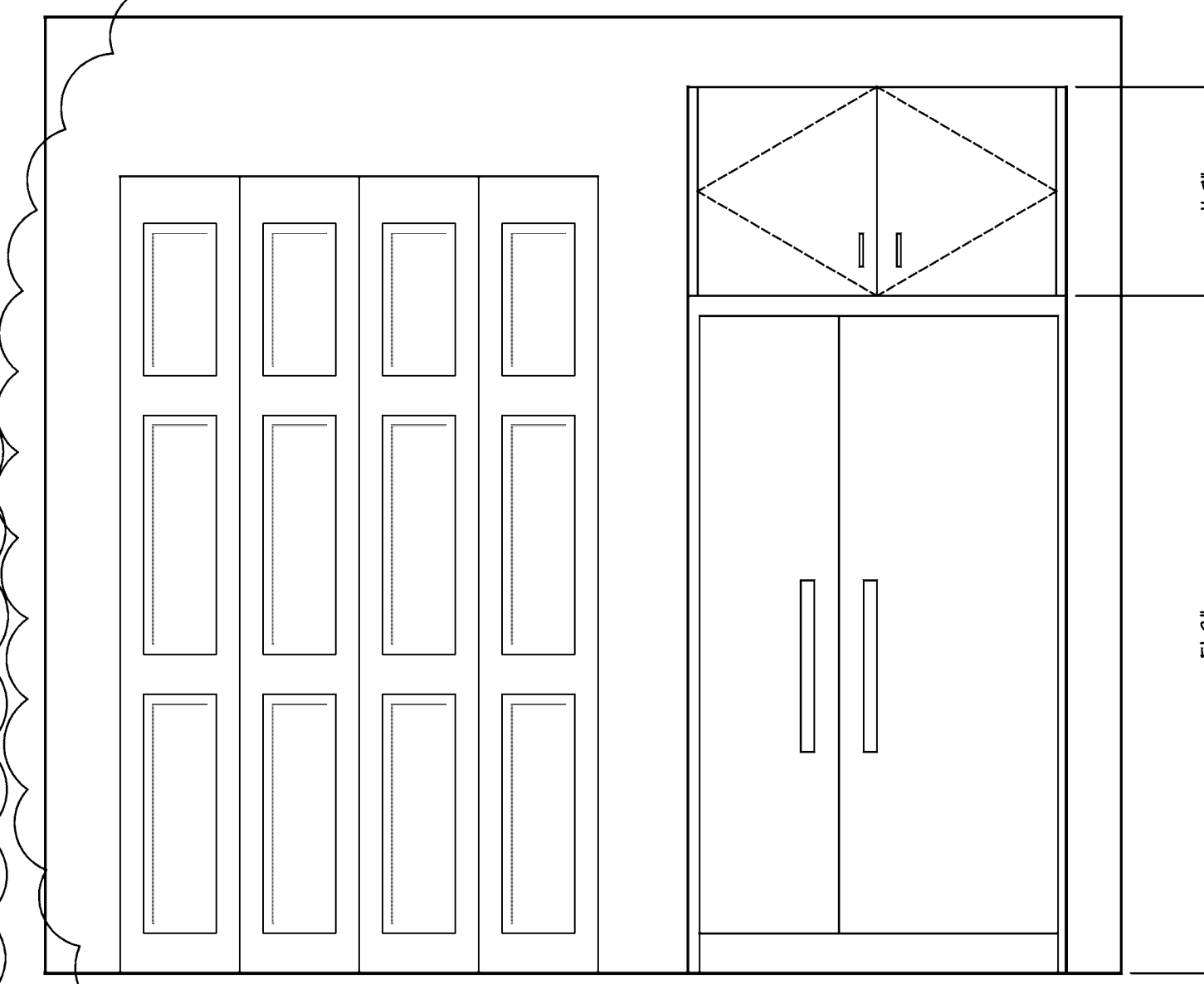




ELEV C  
 NOTE: ALL BASE CABINETS TO HAVE SLIDE-OUT SHELVES  
 FINISHED SIDE PANEL  
 OPTIONAL REMOVABLE CABINET FACE FINISH AND PAINT WALL BEYOND



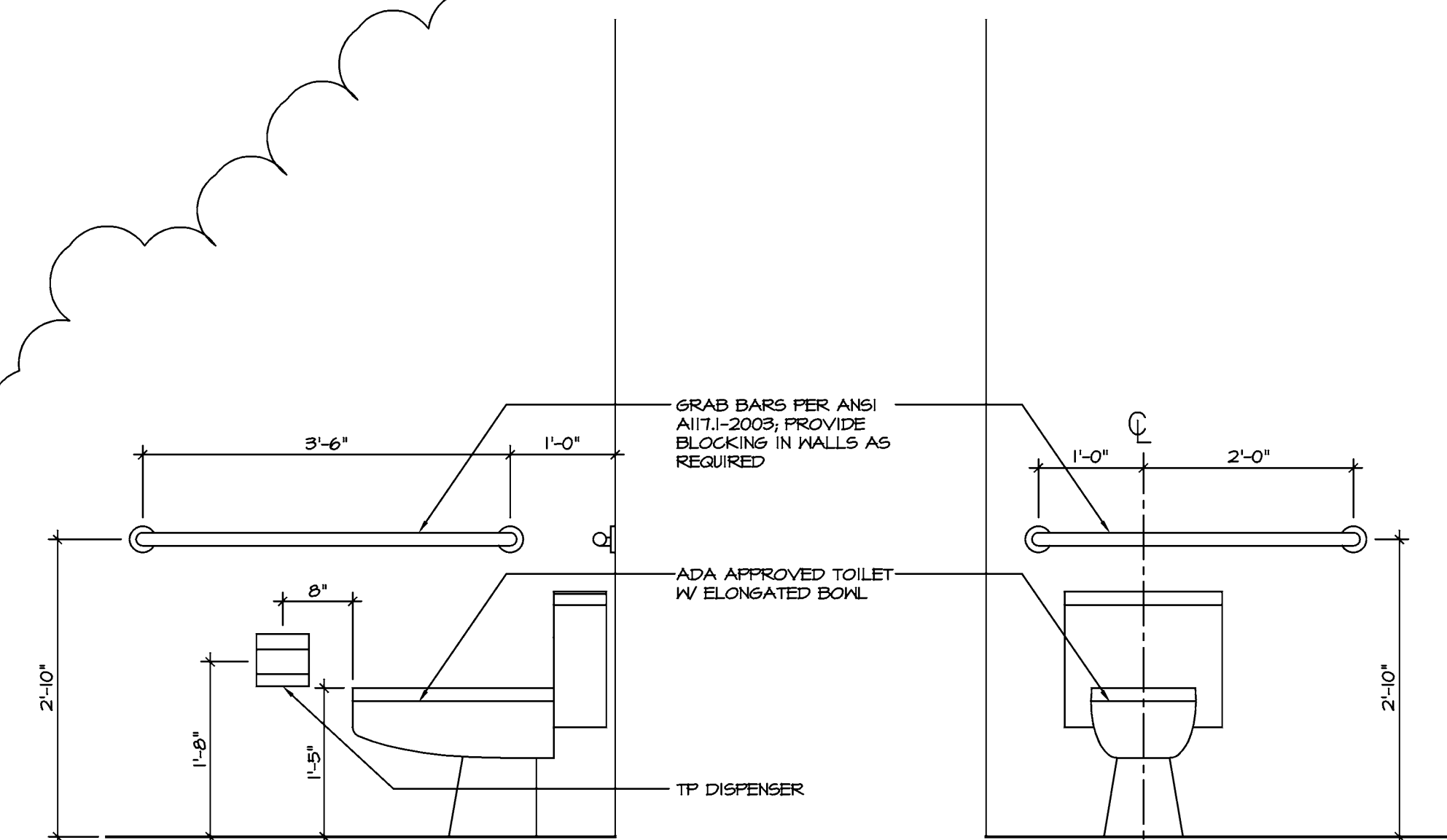
ELEV B  
 NOTE: ALL BASE CABINETS TO HAVE SLIDE-OUT SHELVES  
 6" KICK (TYP)



ELEV A  
 SIDE-BY-SIDE REFRIGERATOR

**1 KITCHEN CABINET ELEVATIONS**

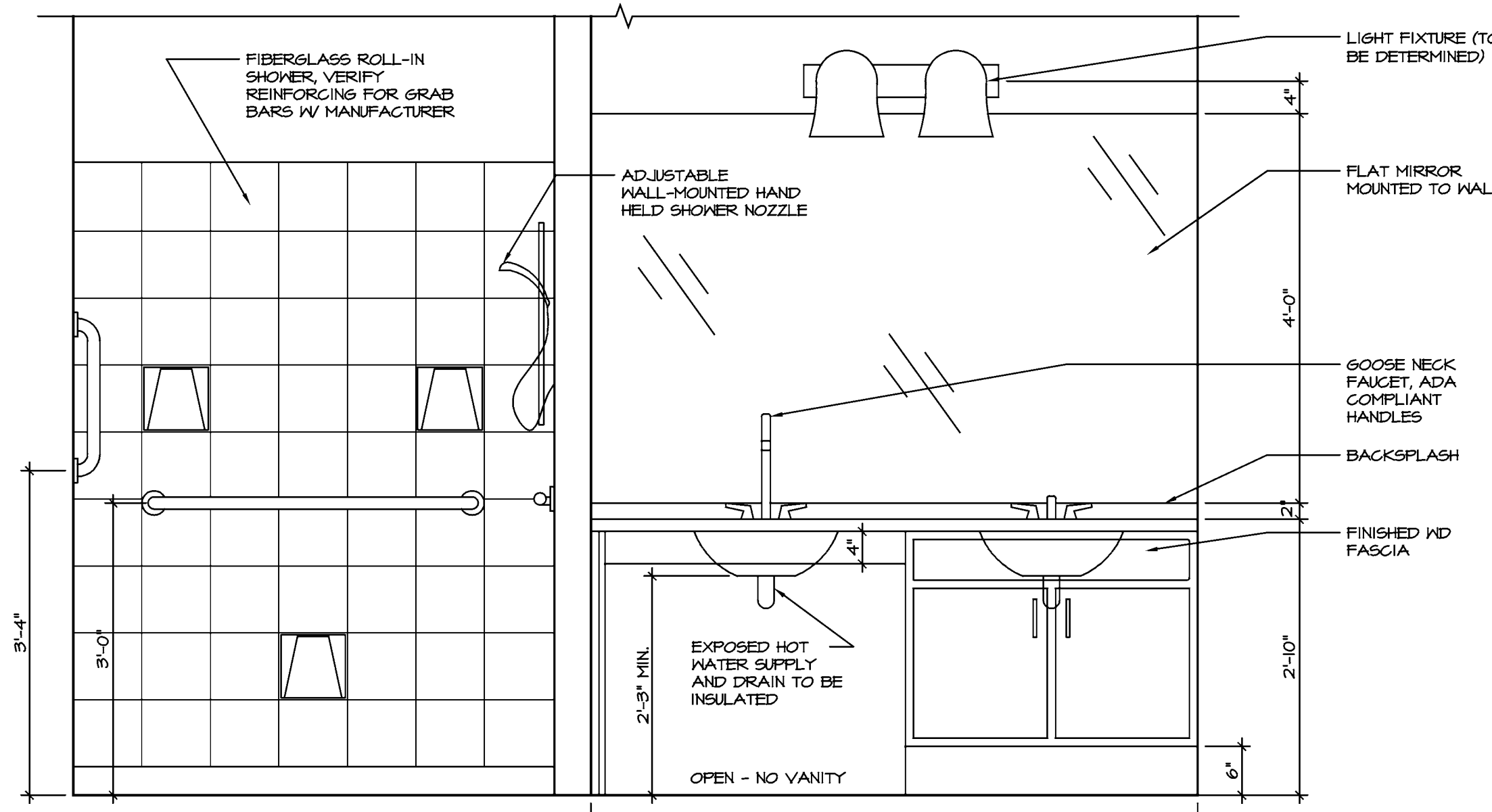
SCALE: 3/4" = 1'-0"



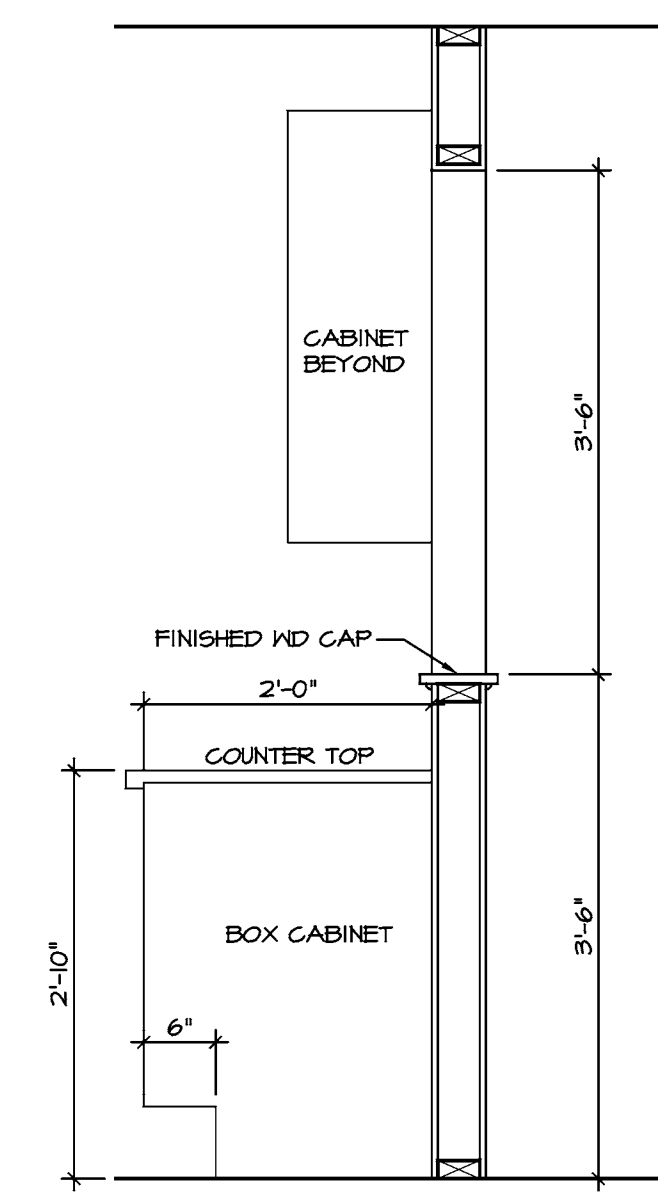
ELEV C

**2 MASTER BATHROOM ELEVATIONS**

SCALE: 3/4" = 1'-0"



ELEV A



**3 KIT. CABINET SECTION**

SCALE: 3/4" = 1'-0"

**LOPEZ RESIDENCE**  
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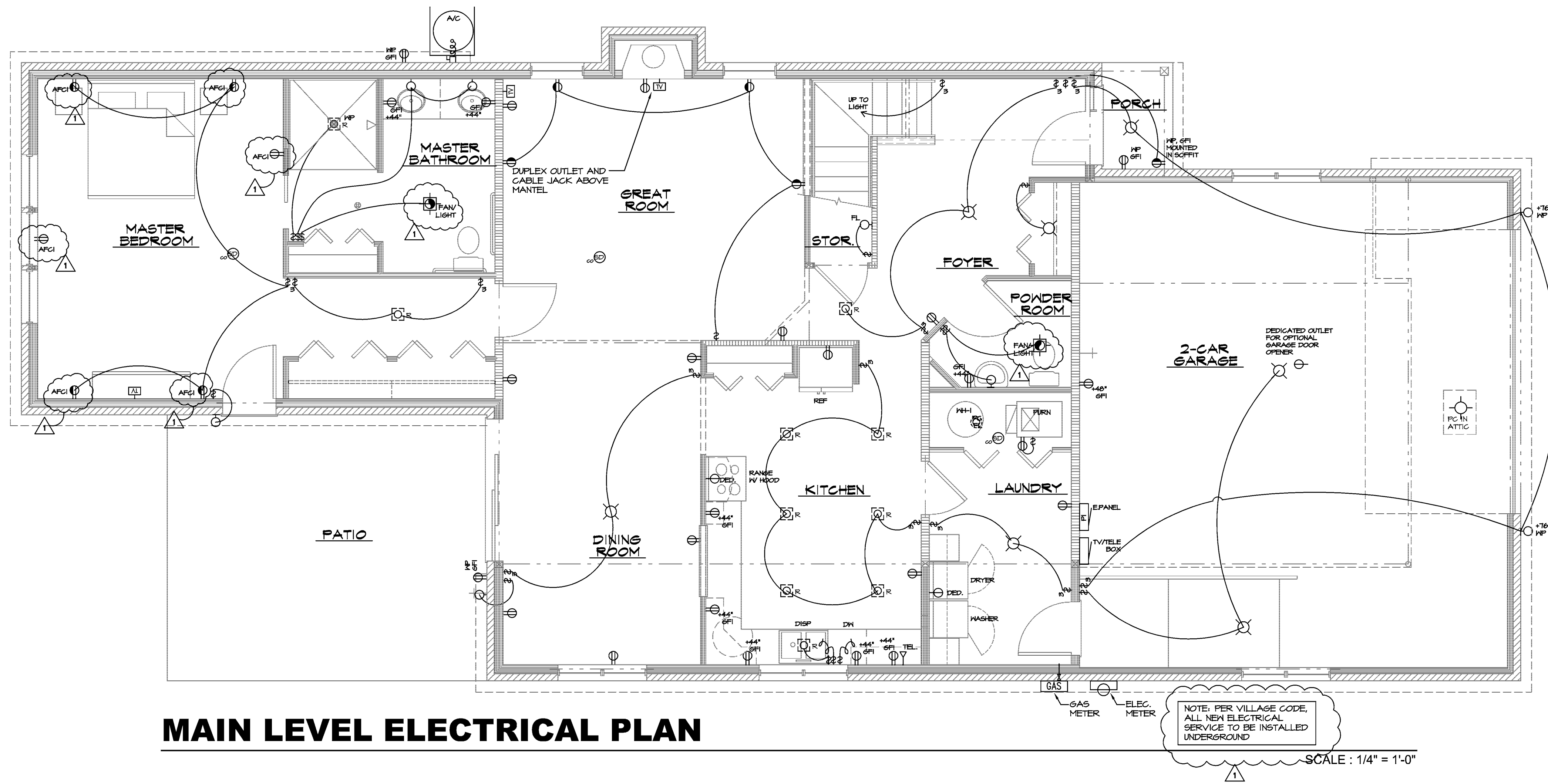
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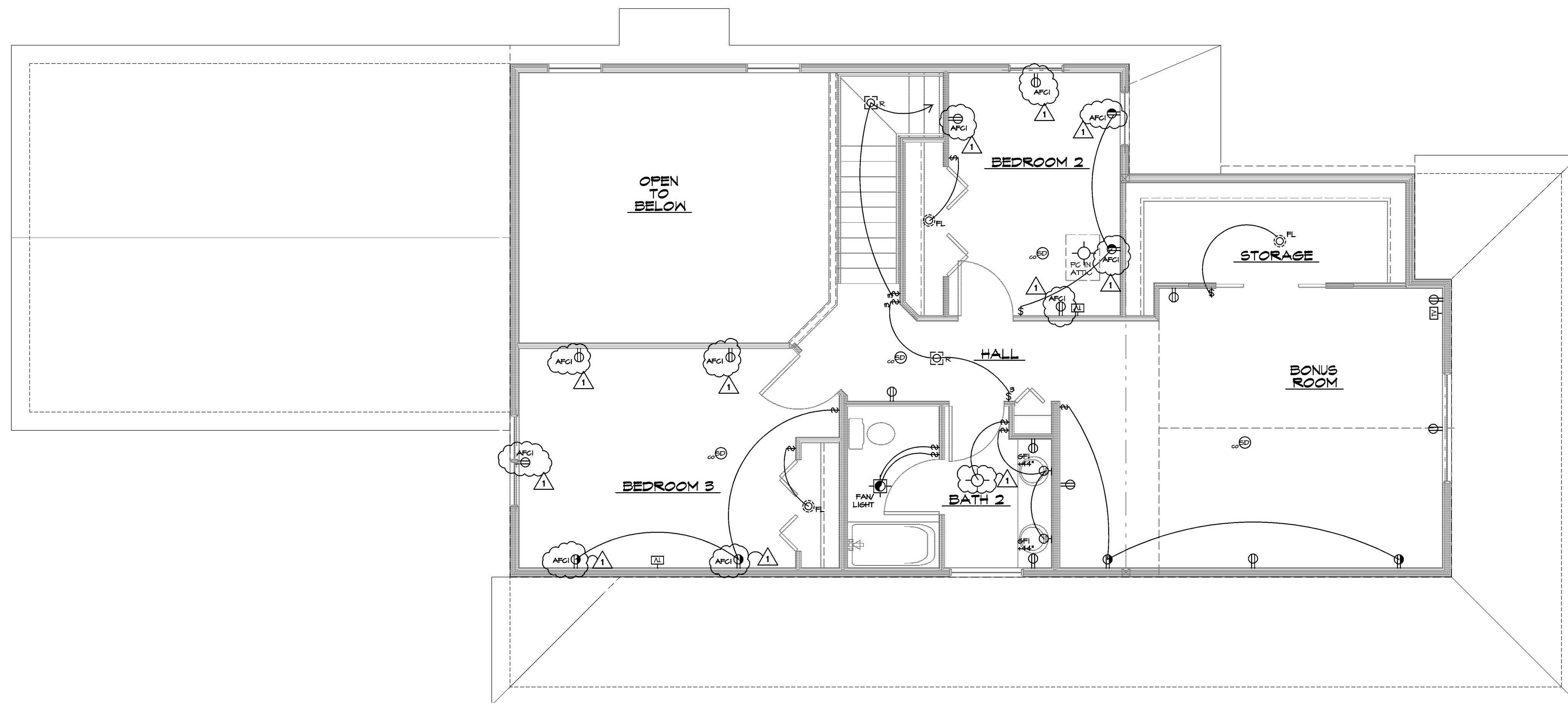
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INTERIOR ELEVATIONS	

**A6.1**



**MAIN LEVEL ELECTRICAL PLAN**

SCALE: 1/4" = 1'-0"



**UPPER LEVEL ELECTRICAL PLAN**

SCALE: 1/4" = 1'-0"

ELECTRICAL LEGEND	
[Symbol]	RECESSED LIGHT FIXTURE
[Symbol]	RECESSED LIGHT FIXTURE W/ DIRECTIONAL CONTROL
[Symbol]	RECESSED JUNCTION BOX
[Symbol]	FULL CHAIN LIGHT FIXTURE
[Symbol]	HALL MOUNTED LIGHT FIXTURE (4 BULB AT M. BATHS BULB AT HALL BATH & POWDER)
[Symbol]	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE
[Symbol]	UNDER CABINET FLUORESCENT LIGHT FIXTURE
[Symbol]	UNDER CABINET LOW VOLTAGE LIGHT FIXTURE
[Symbol]	ROPE LIGHTING (PLACED BEHIND CROWN MOULDING)
[Symbol]	SURFACE-MOUNTED FLUORESCENT LIGHT FIXTURE
[Symbol]	SPOTLIGHT
[Symbol]	TRACK LIGHTING
[Symbol]	COMBINATION LIGHT FIXTURE / CEILING FAN
[Symbol]	CEILING FAN
[Symbol]	HALL SWITCH
[Symbol]	3-WAY SWITCH
[Symbol]	4-WAY SWITCH
[Symbol]	HALL SWITCH W/ DIMMER CONTROL
[Symbol]	SMOKE DETECTOR
[Symbol]	SMOKE DETECTOR w/ CARBON MONOXIDE DETECTOR
[Symbol]	DUPLEX HALL ELECTRICAL RECEPTACLE
[Symbol]	QUADROPLEX HALL ELECTRICAL RECEPTACLE
[Symbol]	DEDICATED HALL ELECTRICAL RECEPTACLE
[Symbol]	GROUND FAULT INTERRUPT RECEPTACLE
[Symbol]	ARC-FAULT CIRCUIT INTERRUPT
[Symbol]	HALF-SWITCHED ELECTRICAL RECEPTACLE
[Symbol]	DUPLEX FLOOR ELECTRICAL RECEPTACLE
[Symbol]	BATHROOM EXHAUST FAN (VENT TO OUTSIDE)
[Symbol]	COMBINATION LIGHT FIXTURE / EXHAUST FAN
[Symbol]	THERMOSTAT
[Symbol]	CHIMES
[Symbol]	DOORBELL
[Symbol]	TELEPHONE
[Symbol]	TELEVISION/TELEPHONE COMBINATION

**LOPEZ RESIDENCE**  
 HILLSIDE DISABLED VETERANS HOME PROJECT  
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MAIN LEVEL ELECTRICAL PLAN	
<b>E1.1</b>	