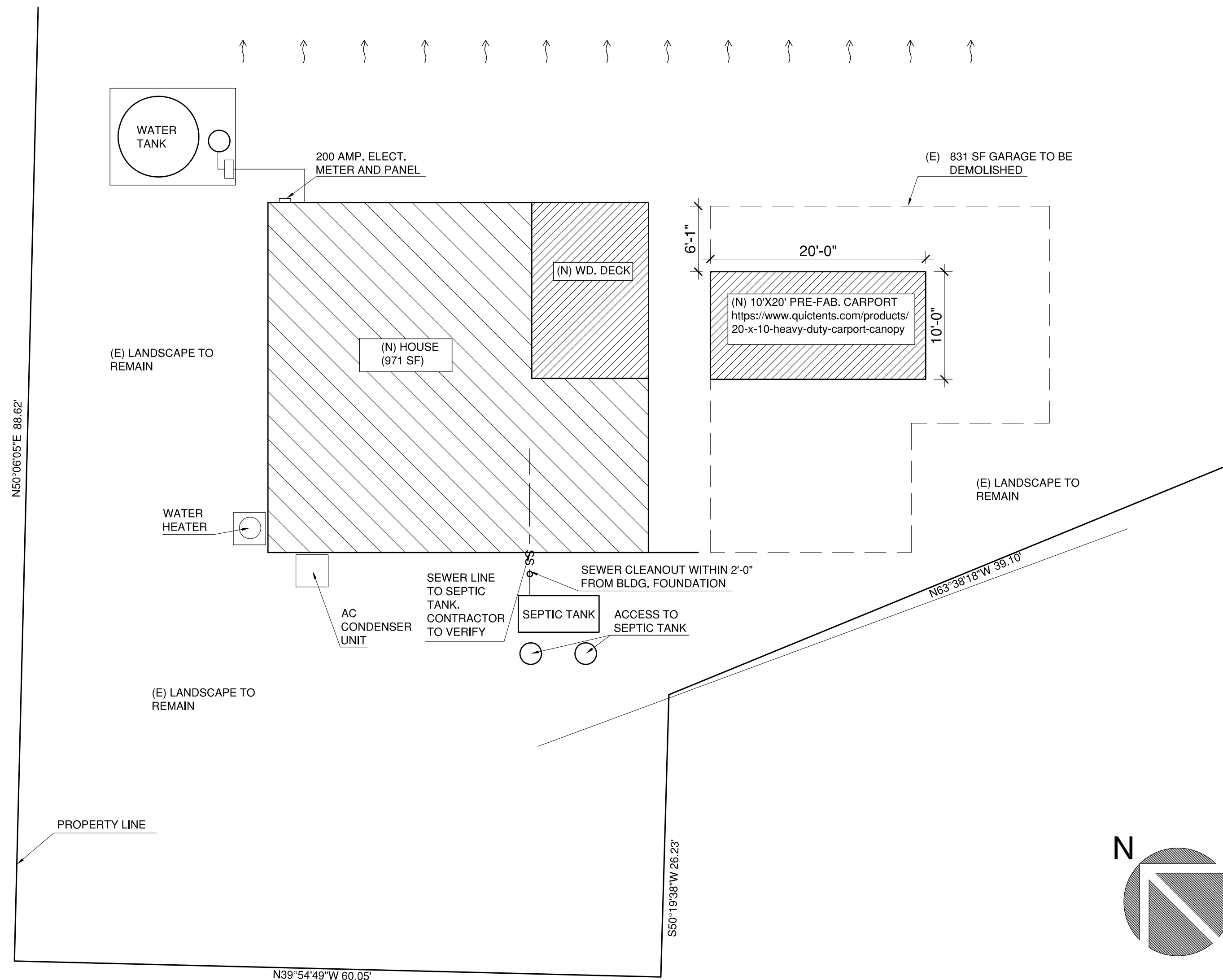


SHEN RESIDENCE REMODELING

17580 STEVENS CANYON
CUPERTINO, CA 95014



STEVENS CREEK SIDE



* FULL SITE PLAN ON NEXT PAGE

TABULATION

| | |
|---------------------------|-------------------------|
| ASSESSOR'S PARCEL NUMBER: | 351-05-026 |
| ZONE DISTRICT: | R-1-10 |
| | |
| SITE AREA: | 44.431 SQ. FT. |
| SPRINKLER: | NO |
| | |
| AREA CALCULATION | |
| (N) WOOD DECK: | 177 SQ. FT. |
| (N) LIVING SPACE: | 971 SQ. FT. |
| (E) GARAGE: | 831 SQ. FT. |
| | |
| F.A.R | 1.802 / 44.431 = 4.06 % |
| ALLOWED F.A.R. RATIO | 45% |
| | |
| (N) BUILDING HEIGHT | 14'-3 1/4" |
| | |
| TYPE OF CONSTRUCTION: | |
| OCCUPANCY | R3U |
| C.B.C | 2019 |
| C.R.C | 2019 |
| C.M.C | 2019 |
| C.P.C | 2019 |
| C.E.C. | 2019 |
| C.F.C. | 2019 |
| CALIFORNIA ENERGY CODE | 2019 |
| CAL GREEN CODE | 2019 |
| CUPERTINO MUNICIPAL CODE | |

SCOPE OF WORK

* THIS PROJECT IS TO LEGALIZE EXISTING SINGLE STORY HOUSE.

DRAWING INDEX

| | |
|-------|---|
| A-0 | TITLE SHEET, SITE PLAN & NOTE |
| A-0.1 | EXISTING SITE PLAN |
| A-1 | FLOOR PLAN |
| A-2 | ROOF PLAN / ELECTRICAL PLAN / ATTIC FURNACE & NOTES |
| A-3 | ELEVATION / SECTIONS |
| A-4 | DETAILS |
| A-5 | ELECTRICAL PLAN AND NOTES |
| - | TOPOGRAPHIC SURVEY |
| C1 | COVER SHEET |
| C2 | GRADING & DRAINAGE PLAN |
| C3 | EROSION CONTROL PLAN |
| C4 | DETAIL SHEET #1 |
| BMP-1 | BMP DETAIL #1 |
| BMP-2 | BMP DETAIL #2 |
| | |
| S1.0 | GENERAL NOTES |
| S1.1 | HOLDOWN DETAILS |
| S1.2 | MISC. CONC. DETAILS |
| S1.3 | SW/S + DETAILS |
| S1.4 | CONVENTIONAL FRAMING DETAILS |
| S2.0 | FOUNDATION PLANS AND DETAILS |
| S2.1 | 1ST FLR. SHEARWALL PLANS AND DETAILS |
| S3.0 | ROOF PLAN AND DETAILS |

SANITARY DISTRICT'S NOTES

- CONDITION/REQUIREMENTS TO BE MET DURING CONSTRUCTION:
- 1) INSTALL NEW PROPERTY LINE CLEANOUT TO DISTRICT'S STANDARDS. SEE DETAIL 2/A-0. PROPERTY LINE CLEANOUT MUST BE WITHIN 5 FEET OF THE PROPERTY LINE. CLEANOUT SHALL BE THE SAME DIAMETER AS THE STREET PORTION OF THE SERVICE LATERAL. GRAVITY LATERAL IS 4" DIAMETER.(O.C.4101)
 - 2) AN APPROVED BACKFLOW DEVICE (IAPMO OR UPC APPROVED) IS REQUIRED SINCE THE LOWEST FINISHED FLOOR WITH PLUMBING IS LESS THAN (1') FOOT ABOVE THE RIM OF THE NEAREST UPSTREAM MANHOLE (O.C. 4105). SEE DETAIL 4/A-4. THE BACKFLOW DEVICE WILL BE INSPECTED TO VERIFY EXISTENCE AND SERVICEABILITY BY A DISTRICT INSPECTOR AT THE TIME OF VIDEO INSPECTION. DISTRICT TO PROVIDE BUILDING DEPARTMENT WITH WRITTEN NOTIFICATION UPON COMPLETION OF INSPECTION.(O.C. 7102)
 - 3) CUPERTINO SANITARY DISTRICT INITIAL(VISUAL) INSPECTION REQUIRED. CONTRACTOR SHALL LEAVE NEW PIPE INSTALLATION EXPOSED. DO NOT BACKFILL. OWNER TO CONTACT DISTRICT 48 HOURS PRIOR TO SCHEDULING A DISTRICT INSPECTOR FOR A VISUAL INSPECTION. (O.C. 5203)
 - 4) CUPERTINO SANITARY DISTRICT FINAL (CCTV) INSPECTION AND APPROVAL OF THE NEW PROPERTY LINE CLEANOUT, POINT OF CONNECTION, AND DISTRICT LATERAL IS REQUIRED PRIOR TO CLEARANCE FOR CITY OF CUPERTINO FINAL INSPECTION. OWNER MUST ALLOW DISTRICT AT LEAST 48 HOURS NOTICE TO SCHEDULE A DISTRICT INSPECTOR FOR A VIDEO INSPECTION. DISTRICT TO PROVIDE BUILDING DEPARTMENT WITH WRITTEN NOTIFICATION UPON COMPLETION OF INSPECTION.(O.C.7102)

THE SEGMENT OF THE HOUSE LATERAL (LATERAL FROM PROPERTY LINE TO HOME) BETWEEN THE PROPERTY LINE CLEANOUT AND THE POINT OF CONNECTION TO THE STREET LATERAL (LATERAL FROM PROPERTY LINE TO SEWER MAIN) MUST BE PVC SDR 26. A CUPERTINO SANITARY DISTRICT LATERAL PERMIT WILL BE REQUIRED (\$300) IF THE POINT OF CONNECTION TO THE DISTRICT STREET LATERAL IS BEYOND THE PROPERTY LINE AND THE HOUSE LATERAL NEEDS TO BE EXTENDED IN ORDER TO CONNECT. LATERAL PERMIT WILL ONLY BE ISSUED TO LICENSED UNDERGROUND CONTRACTOR REGISTERED TO WORK IN THE CUPERTINO SANITARY DISTRICT. INSTRUCTIONS FOR CONTRACTOR'S REGISTRATION CAN BE FOUND ON OUR WEBSITE WWW.CUPERTINOSANITARYDISTRICT.ORG UNDER CONTRACTORS. (O.C. 5305)

DRAINAGE NOTE:

1. MINIMUM 5% GRADE SLOPE AWAY FROM FOUNDATION FOR A MINIMUM DISTANCE OF 10 FEET MEASURED PERPENDICULAR TO THE FACE OF THE WALL. (R401.3)
2. IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2% AWAY FROM THE BUILDING.
3. NO CONCENTRATED FLOW IS PERMITTED ACROSS THE RIGHT-OF-WAY AND NO DRAINAGE IS PERMITTED TO FLOW TO NEIGHBORING PROPERTIES. DIRECT ON-SITE DRAINAGE THROUGH LANDSCAPED AREAS AND ALLOW DRAINAGE TOWARDS THE PUBLIC STREET.

ENCROACHMENT NOTE:

THE OWNER AND/OR THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT CONTACT JO ANNE JOHNSON AT (408) 777-3245 FOR ENCROACHMENT REQUIREMENTS AND PERMIT. ALL ENCROACHMENT PERMITS REQUIRE A CERTIFICATE OF LIABILITY INSURANCE AND A SEPARATE ENDORSEMENT NAMING THE CITY OF CUPERTINO AS ADDITIONAL INSURED AS WELL AS A VALID CONTRACTOR LICENSE (NOTE: LICENSE B CONTRACTORS ARE ONLY PERMITTED TO PERFORM WORK ON-SITE AND WILL NOT BE PERMITTED TO PERFORM WORK IN THE PUBLIC RIGHT OF WAY).

APPLICABLE CODES

| | | | |
|-------|-------------------------------|---------------------|------------------------|
| | SECTION SHEET NUMBER | DR. DOOR | D.S. DOWN SPOUT |
| | DETAIL SHEET NUMBER | ELECT. ELECTRICAL | F.P. FIRE PLACE |
| | COLUMN GRID | GYP. GYPSUM | H. HEIGHT |
| | EXISTING DOOR | INT. INTERIOR | INS. INSULATION |
| | DOOR NUMBER | INTS. INTERIOR | INS. INSULATION |
| | DOOR SCHEDULE | REF. REFRIGERATOR | |
| | DOOR TYPE | SL. SLIDING | SH. SINGLE HUNG |
| | INTERIOR ELEVATIONS INDICATOR | S.S. SANITARY SEWER | S.S.D. SEE STRUCT. DWG |
| (E) | EXISTING | S.S.D. | |
| (R) | REVISED | TEMP. TYP. | TEMPERED TYPICAL |
| (N) | NEW | WD. WOOD | W/ WITH |
| BD. | BOARD | WIN. WINDOW | |
| BLDG. | BUILDING | V.I.F. | VERIFY IN FIELD |
| BTW. | BETWEEN | | |
| CALC. | CALCULATION | | |
| CLG. | CEILING | | |
| CAB. | CABINET | | |
| C.O. | CLEAN OUT | | |
| CONC. | CONCRETE | | |

PROJECT

SHEN RESIDENCE
REMODELING

17580 STEVENS CANYON
CUPERTINO, CA 95014

DRAWING TITLE

TITLE SHEET
PARTIAL SITE PLAN

REVISIONS

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PROJECT

SHEN RESIDENCE REMODELING

17580 STEVENS CANYON
CUPERTINO, CA 95014

DRAWING TITLE

SITE PLAN

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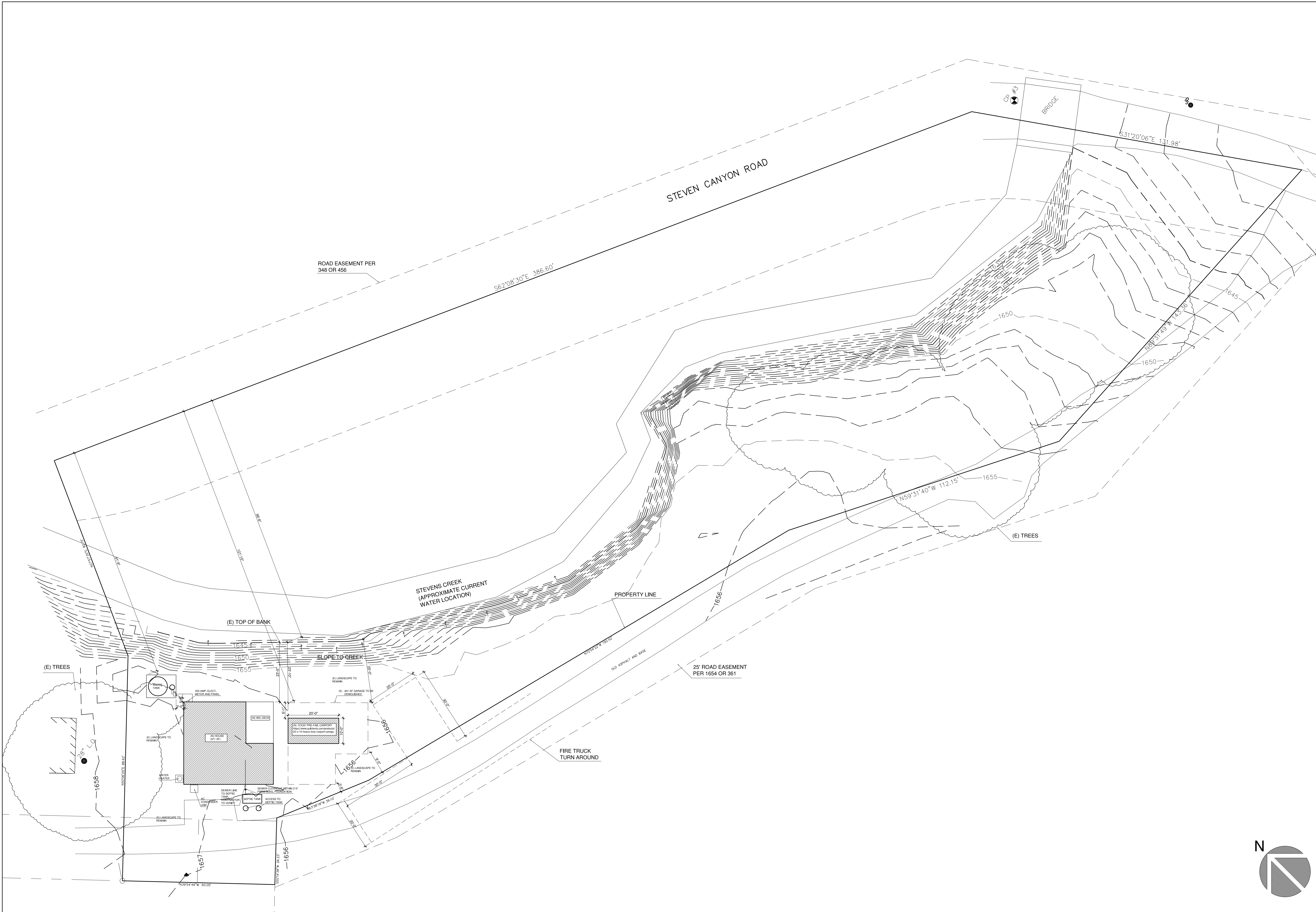
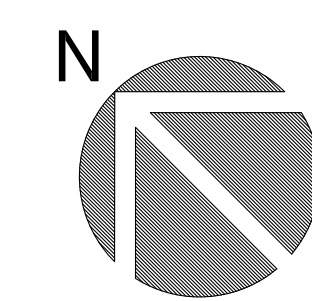
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PROJECT

**SHEN RESIDENCE
REMODELING**

17580 STEVENS CANYON
CUPERTINO, CA 95014

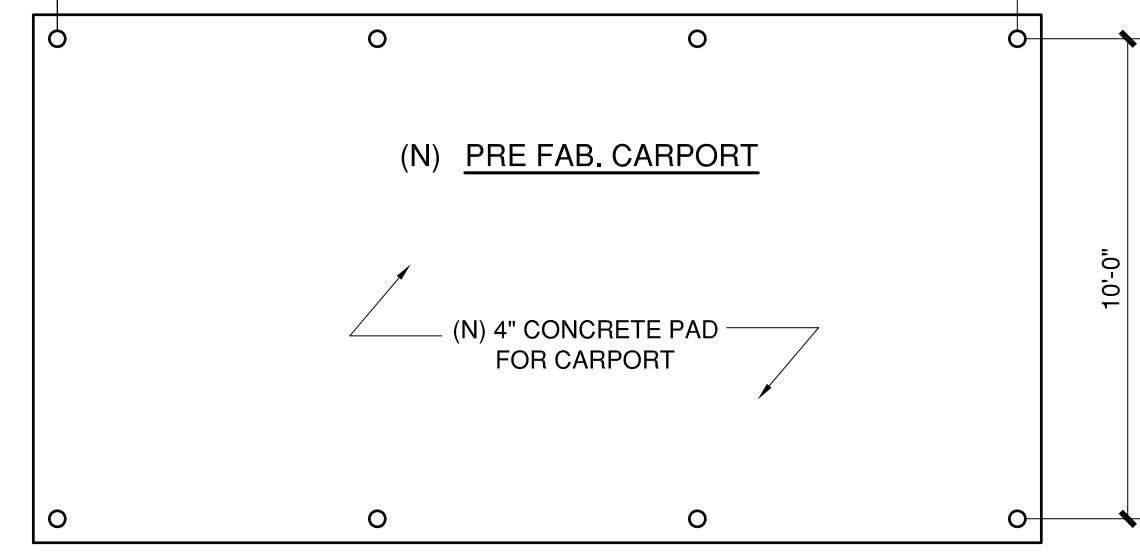
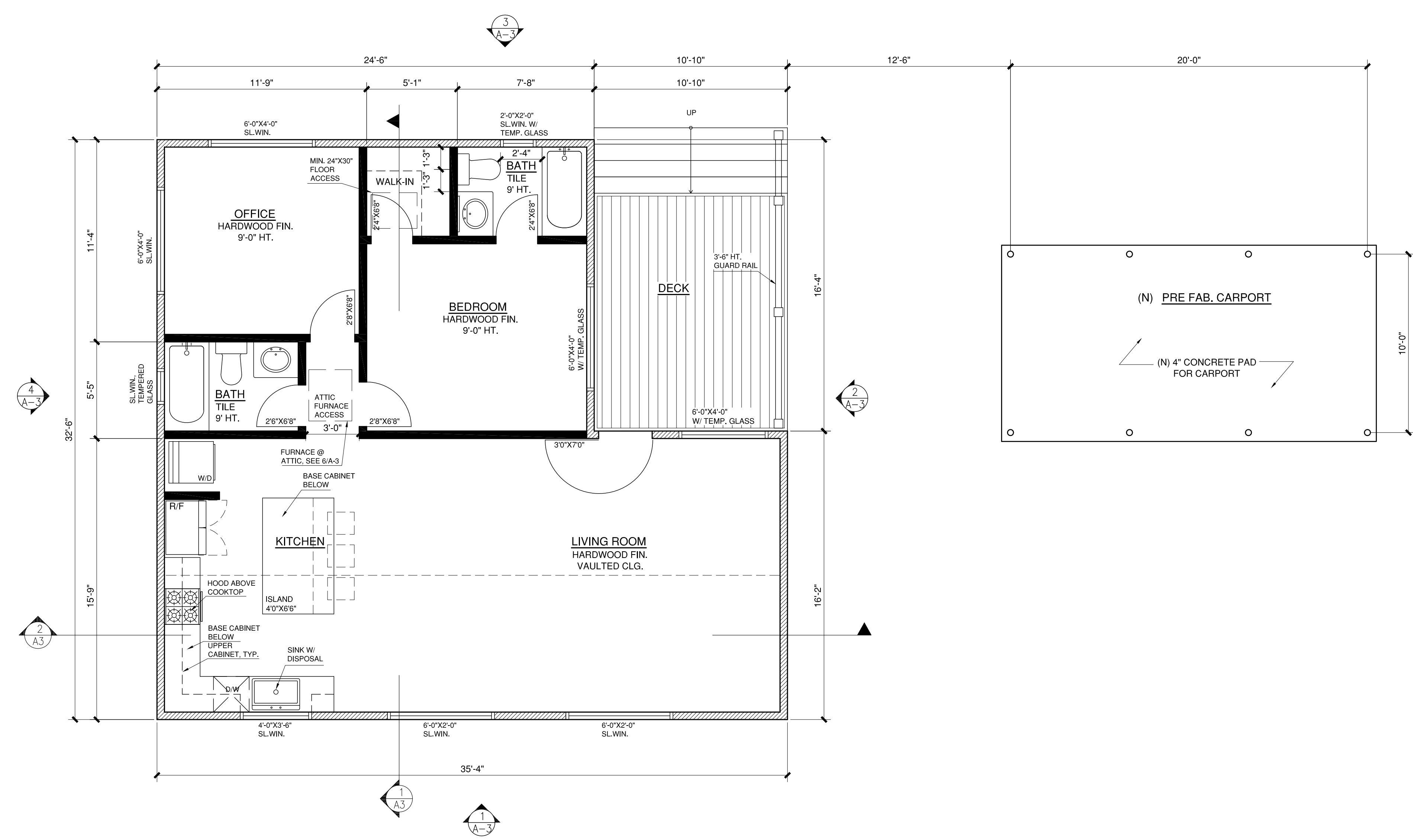
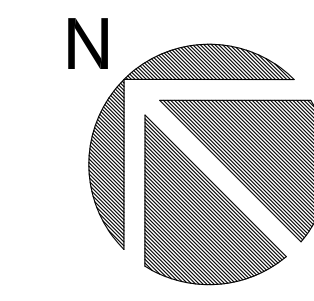
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FLOOR PLAN

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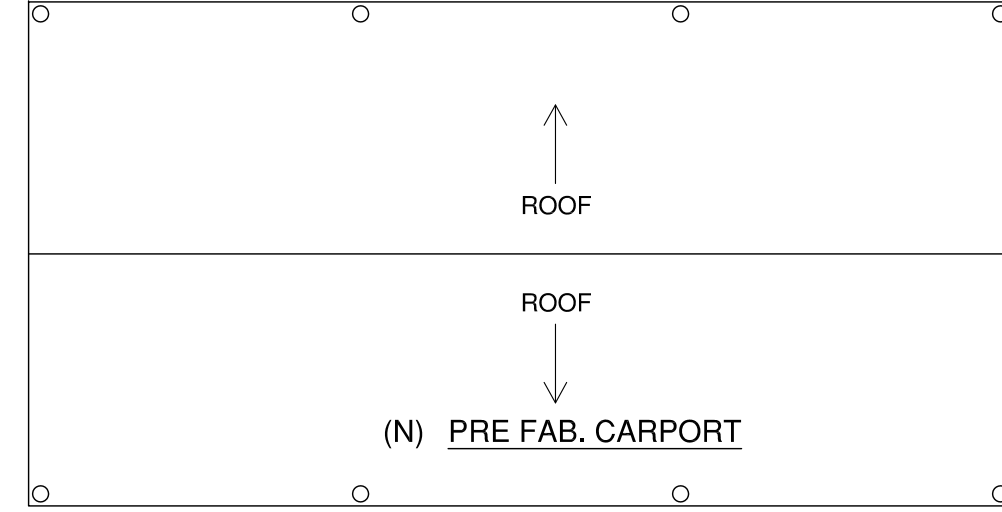
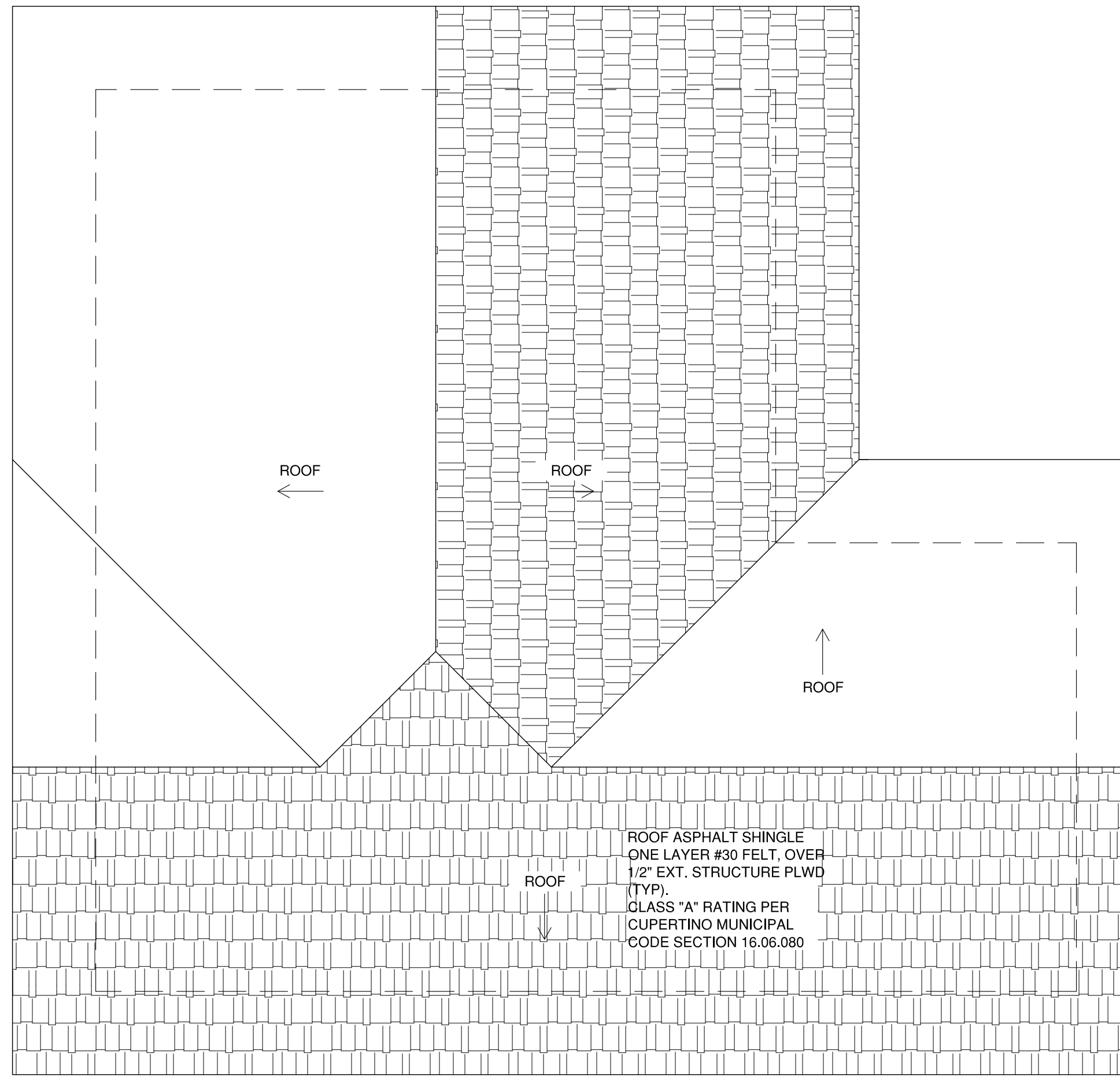
- LEGEND**
- VINYL WINDOWS
 - (E) EXTERIOR WALL
 - REPLACE PLYWOOD AT (E) EXTERIOR WALL SEE ENGINEER'S LETTER
 - (N) INTERIOR WALL 1 1/2" THK. GYP. BD. ON BOTH SIDES @ (E) 2X4 OR 2X6 WOOD STUD. USE W/R GREEN GYP. BD. @ WET WALLS (CDX PLYWOOD OVER STUD@ SHEAR WALLS), V.I.F.
 - (N) EXTERIOR WALL 1 1/2" GYP. BD. INTERIOR SIDE. WOOD SIDING OVER SELF- FURRING LATH OVER 2-LAYERS OF GRADE'D BLDG. PAPER @ EXTERIOR, V.I.F.

* All escape or rescue windows shall have a minimum net clear openable area of 5.7 square feet. The minimum net clear openable height dimension shall be 24". The minimum net clear openable width dimension shall be 20". When windows are provided as a means of escape or rescue, the bottom of the clear opening shall not be greater than 44 inches measure from the floor.(R310.1)

- NOTES:**
- PROVIDE W/R GREEN GYP. BD. @ AROUND SHOWER, TUBS PER 2013 CALIFORNIA BUILDING CODE, SECTION 2509.3
 - ALL ESCAPE WINDOWS TO COMPLY 2013 CALIFORNIA RESIDENTIAL CODE, SECTION R310.
 - ALL SHOWER OR TUB GLASS DOOR SHALL BE TEMPERED GLASS.
 - SHOWER AND TUB/SHOWER WALLS TO BE A SMOOTH, HARD, NONABSORBENT SURFACE (E.G., CERAMIC TILE OR FIBERGLASS) OVER A MOISTURE RESISTANT UNDERLAYMENT (E.G., CEMENT, FIBER CEMENT, OR GLASS MAT GYPSUM BACKER) TO A HEIGHT OF 72 INCHES ABOVE THE DRAIN INLET. CRC R307 AND R702.3.8
 - TERMINATION OF ALL ENVIRONMENTAL AIR DUCTS SHALL BE A MINIMUM OF 3 FEET FROM ANY OPENINGS INTO THE BUILDING (I.E., DRYERS, BATH AND UTILITY FANS, ETC.) MUST BE 3 FEET WAY FROM DOORS, WINDOWS, OPENING SKYLIGHTS, OR ATTIC VENTS.CMC 504.5
 - WATER CLOSETS TO BE MAXIMUM 1.28 GALLONS PER FLUSH. CPC 402.2.
 - SHOWER AND TUB-SHOWER COMBINATIONS SHALL HAVE INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE OR THE THERMOSTATIC MIXING VALVE TYPE. CPC 418.0.

- ARCHITECTURAL NOTES:**
- * TYPICAL ALL PLUMBING WALLS, BEARING WALLS AND WALL EXCEED 10'-0" HIGH SHALL BE 2X6 DF #2 STUDS @ 16" O.C.
 - * ALL PLUMBING WALLS TO BE 2X6 @ 16" O.C.
 - * ALL WALLS TO BE SMOOTH FINISH
 - * CONTRACTOR TO INCLUDE ALL FINISH AND COLOR SPECIFIED BY OWNER AND INTERIOR DESIGNER.
 - * CONTRACTOR TO INCLUDE INSULATION OF CLOSET ORGANIZER. (SELECTED BY OWNER)
 - * CONTRACTOR TO VERIFY ALL OWNER'S APPLIANCE MANUAL SPEC. PRIOR TO CONSTRUCTION.
 - * DESIGN BUILT CABINET TO FIT
 - * CONTRACTOR TO VERIFY W/ OWNER'S INTERIOR DESIGNER FOR MATERIAL SELECTION AND COLOR PRIOR TO FINAL PRICING AND CONSTRUCTION.
 - * ALL INTERIOR, DOOR, WINDOW SIDE, HEAD AND SILL TO BE WOOD MOLDING.
 - * ADD 3/8" CDX PLYWOOD THROUGH-OUT @ OUTSIDE FACE OF WALL.

- GREEN CODE NOTES:**
- USE LOW-VOC INTERIOR WALL/CEILING PAINTS (<50 GRAMS PER LETTER(GPL) VOCS REGARDLESS OF SHEEN). CGBSC 4.504.2.2
 - UNDER THE PRESCRIPTIVE USE A MAXIMUM FLOW RATE AS FOLLOWS PER TABLE 4.303.1:
- | | |
|-----------------------------|-------------------------------------|
| SHOWERHEADS | < 2 GALLON PER MINUTE(GPM) @ 80 PSI |
| LAVATORY FAUCET | <1.2 GPM @ 60 PSI |
| KITCHEN AND UTILITY FAUCETS | <1.8 GPM |
| WATER CLOSET | <1.28 GALLON PER FLUSH |
- INSTALL ENERGY STAR BATHROOM FANS ON TIMER OR HUMIDISTAT(CGBSC 4.507.2)



ATTIC VENT CALCULATION:
* CALCULATION OF ROOF RELIEF VENTS:
TOTAL LIVING AREAS ENCLOSED: 971 S.F.
AREA OF OPENING REQUIRED:
971/150=6.47 x 144= 932.16 SQ.IN.
PROVIDED VENTS:
1"x420" LINEAR ATTIC VENT = 420 SQ.IN.
1"x192" LINEAR ATTIC VENT = 192 SQ.IN.
1"x192" LINEAR ATTIC VENT = 192 SQ.IN.
1"x130" LINEAR ATTIC VENT = 130 SQ.IN.
TOTAL ATTIC VENT = 934 SQ.IN.
(SEE 8/A-4 DETAIL)
TOTAL PROVIDED: 934 SQ.IN. > 932.16 SQ.IN.

UNDER FLOOR VENT CALCULATION:
* CALCULATION OF RELIEF VENTS:
TOTAL LIVING AREAS ENCLOSED: 971 S.F.
AREA OF OPENING REQUIRED:
971/150=6.47 x 144= 932.16 SQ.IN.
TOTAL PROVIDED VENTS:
21 FLOOR VENT (6"x18") = 21X96 = 2,016 SQ.IN.
TOTAL PROVIDED: 2,016 SQ.IN. > 932.16 SQ.IN.
* AT LEAST ONE FLOOR VENT TO BE LOCATED WITHIN 3'-0" OF EACH CORNER OF THE BUILDING PER CRC 408.1

PROJECT

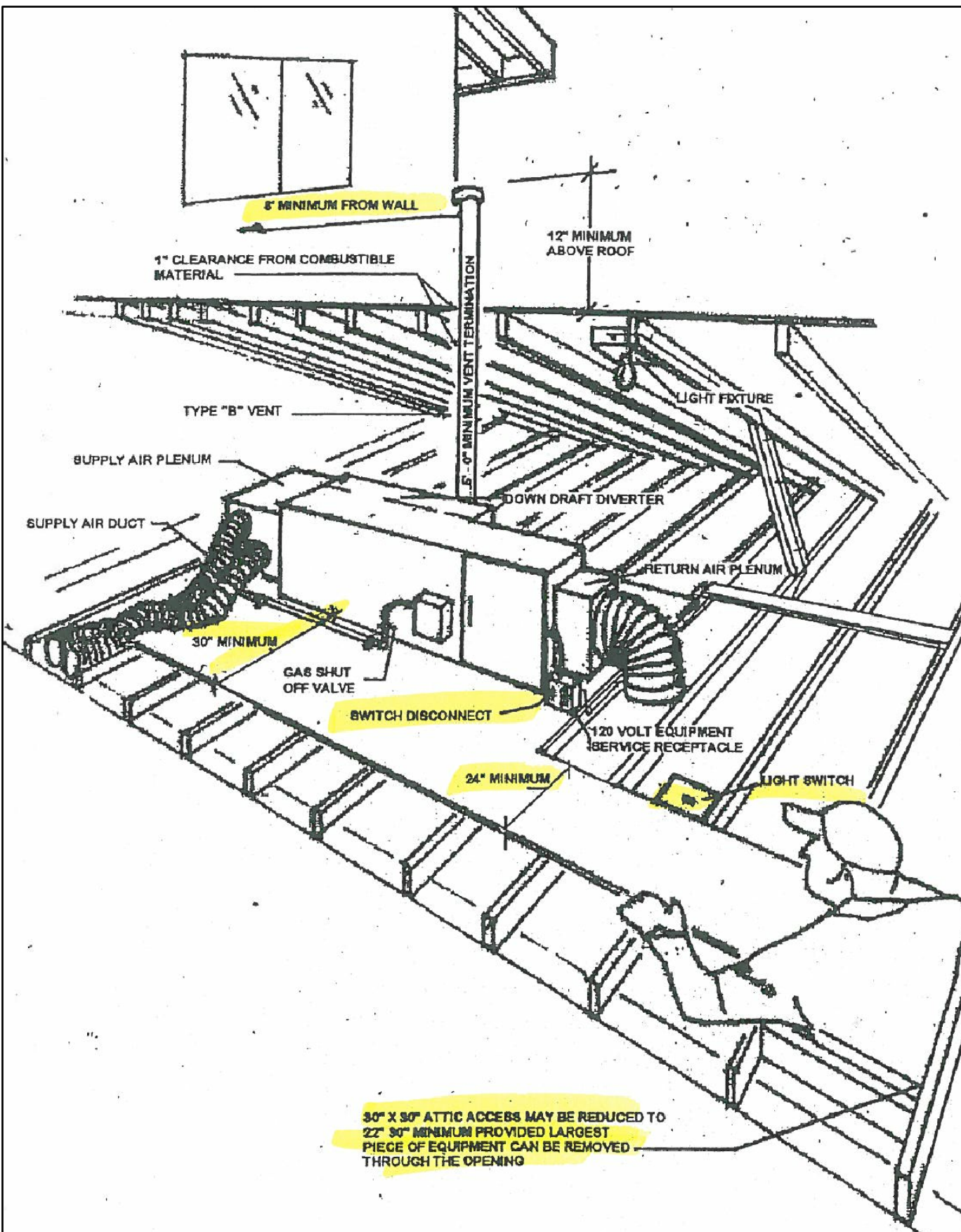
SHEN RESIDENCE
REMODELING

17580 STEVENS CANYON
CUPERTINO, CA 95014

DRAWING TITLE

ROOF PLAN

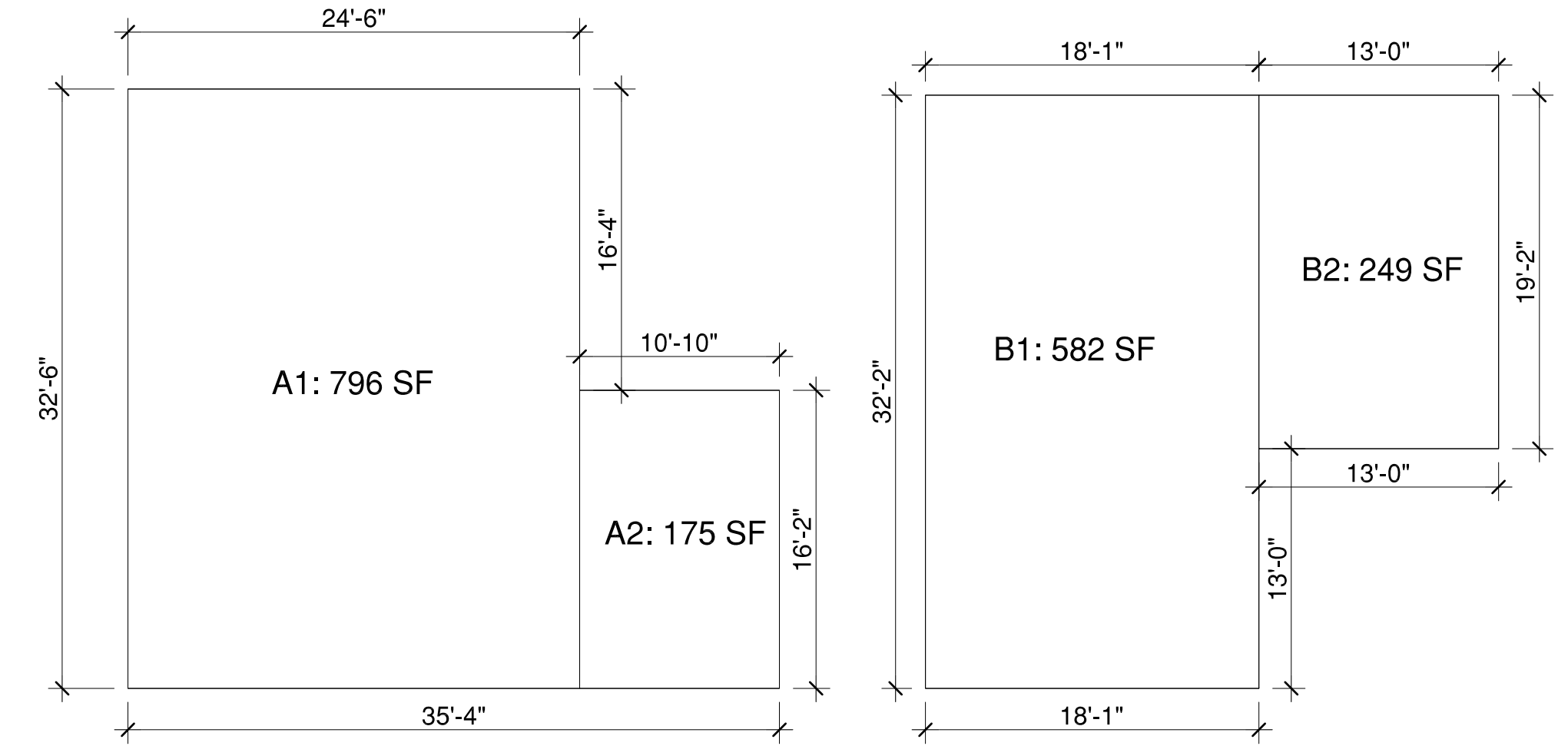
1/4" 1



ATTIC FURNACE NOTES

1. PROVIDE DEDICATED MOTOR-LOAD CIRCUIT FOR NEW FURNACE IN ATTIC.
2. CMC SECTION 904.10 APPLIANCES IN ATTICS AND UNDER-FLOOR SPACES. AN ATTIC OR UNDER-FLOOR SPACE IN WHICH AN APPLIANCE IS INSTALLED SHALL BE ACCESSIBLE THROUGH AN OPENING AND PASSAGEWAY NOT LESS THAN THE LARGEST COMPONENT OF THE APPLICANT, AND NOT LESS THAN 22 INCHES BY 30 INCHES (569 MM BY 762 MM).
3. 904.10.1 LENGTH OF PASSAGEWAY. WHERE THE HEIGHT OF THE PASSAGEWAY IS LESS THAN 6 FEET (1829 MM), THE DISTANCE FROM THE PASSAGEWAY ACCESS TO THE APPLIANCE SHALL NOT EXCEED 20 FEET (6096 MM) MEASURED ALONG THE CENTER LINE OF THE PASSAGEWAY. [NFPA 54:9.5.2]
4. 904.10.2 WIDTH OF PASSAGEWAY. THE PASSAGEWAY SHALL BE UNOBSTRUCTED AND SHALL HAVE SOLID FLOORING NOT LESS THAN 24 INCHES (610 MM) WIDE FROM THE ENTRANCE OPENING TO THE APPLIANCE. [NFPA 54:9.5.1.2]
5. 904.10.3 WORK PLATFORM. A LEVEL WORKING PLATFORM OR GRADE SURFACE NOT LESS THAN 30 INCHES (762 MM) BY 30 INCHES (762 MM) SHALL BE PROVIDED IN FRONT OF THE SERVICE SIDE OF THE APPLIANCE. [NFPA 54:9.5.2] EXCEPTION: A WORKING PLATFORM NEED NOT BE PROVIDED WHERE THE FURNACE IS CAPABLE OF BEING SERVICED FROM THE REQUIRED ACCESS OPENING. THE FURNACE SERVICE SIDE SHALL NOT EXCEED 12 INCHES (305 MM) FROM THE ACCESS OPENING.
6. 904.10.4 LIGHTING AND CONVENIENCE OUTLET. A PERMANENT 120-VOLT RECEPTACLE OUTLET AND LIGHTING FIXTURE SHALL BE INSTALLED NEAR THE APPLIANCE. THE SWITCH CONTROLLING THE LIGHTING FIXTURE SHALL BE LOCATED AT THE ENTRANCE TO THE PASSAGEWAY. [NFPA 54:9.5.3]
7. 904.10.5 FURNACE (UPRIGHT AND HORIZONTAL). UPRIGHT FURNACES SHALL BE PERMITTED TO BE INSTALLED IN AN ATTIC, FURRED, OR UNDER-FLOOR SPACE EXCEEDING 5 FEET (1524 MM) IN HEIGHT, PROVIDED THE REQUIRED LISTINGS AND FURNACE AND DUCT CLEARANCES ARE OBSERVED. HORIZONTAL FURNACES SHALL BE PERMITTED TO BE INSTALLED IN AN ATTIC, FURRED, OR UNDER-FLOOR SPACE, PROVIDED THE REQUIRED LISTINGS AND FURNACE AND DUCT CLEARANCES ARE OBSERVED

INSTALLATION CHECKLIST
HORIZONTAL ATTIC FURNACE
INSTALLATION: INSTALL FURNACE UNIT ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SPECIFICATION.



FLOOR AREA & LOT COVERAGE

| | |
|-------|-----------|
| A1 | 796 SF. |
| A2 | 175 SF. |
| B1 | 582 SF. |
| B2 | 249 SF. |
| TOTAL | 1,802 SF. |

MAIN HOUSE
TOTAL EXT. WALL: 135'-8" L.F.
TOTAL FOUNDATION: 135'-8" L.F.
TOTAL FLOOR: 971 SF
TOTAL ROOF: 1,258 SF

GARAGE
TOTAL EXT. WALL: 126'-6" L.F.
TOTAL FOUNDATION: 135'-8" L.F.
TOTAL FLOOR: 831 SF
TOTAL ROOF: 1,100 SF

EXISTING ROOF PLAN
AREA CALCULATION

REVISIONS

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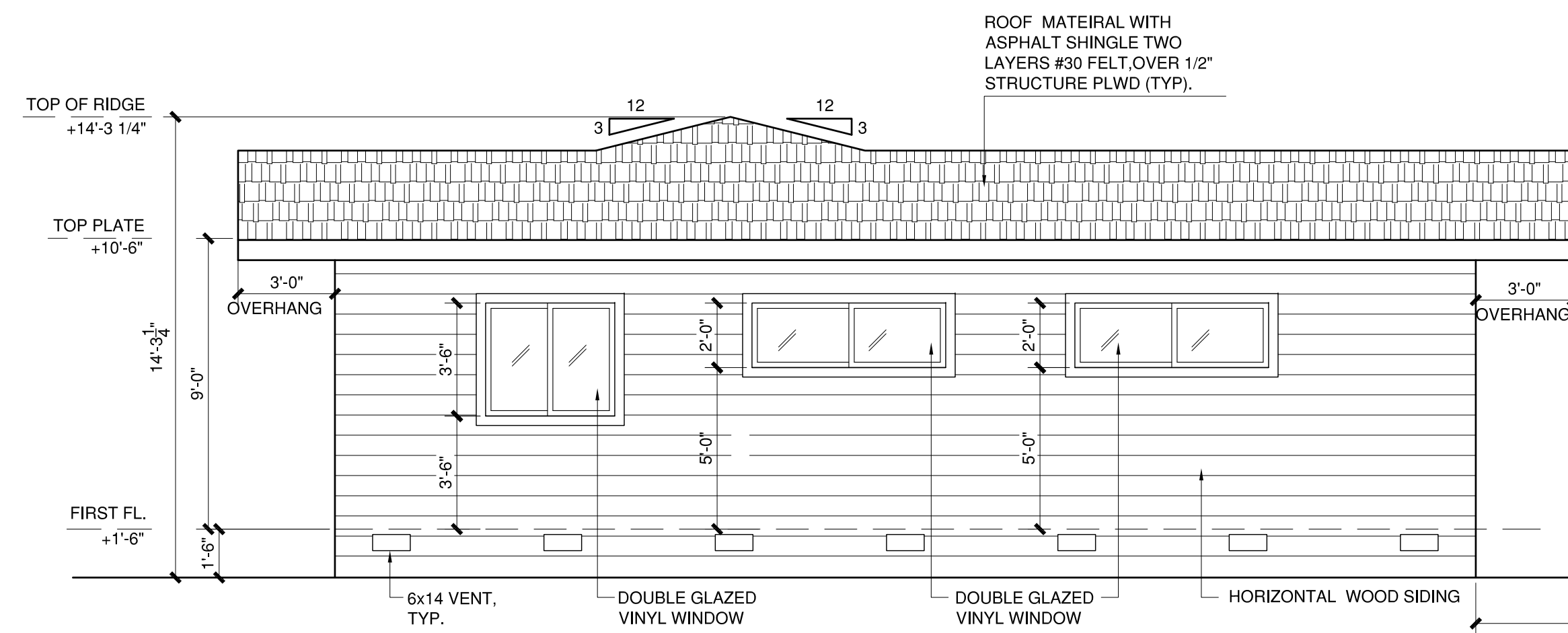
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ATTIC FURNACE DETAIL

NTS 2

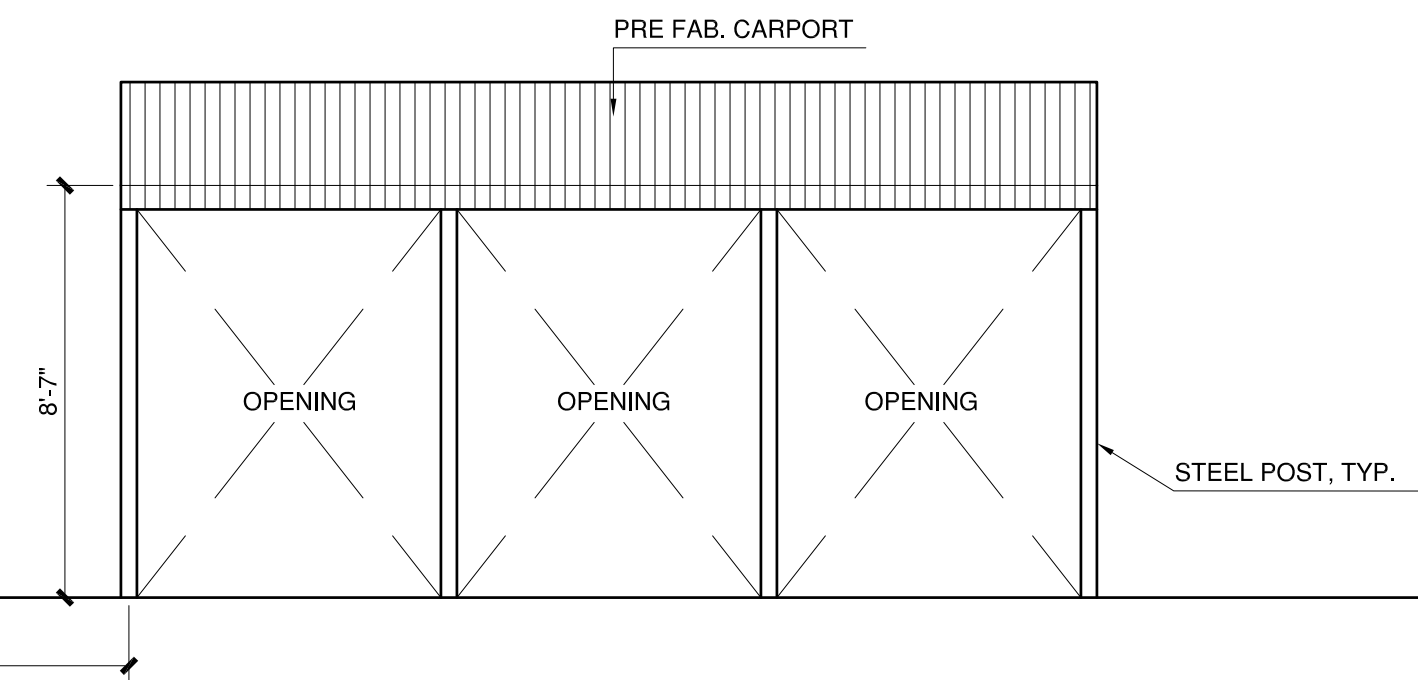
AREA CALCULATION

1/8" 3



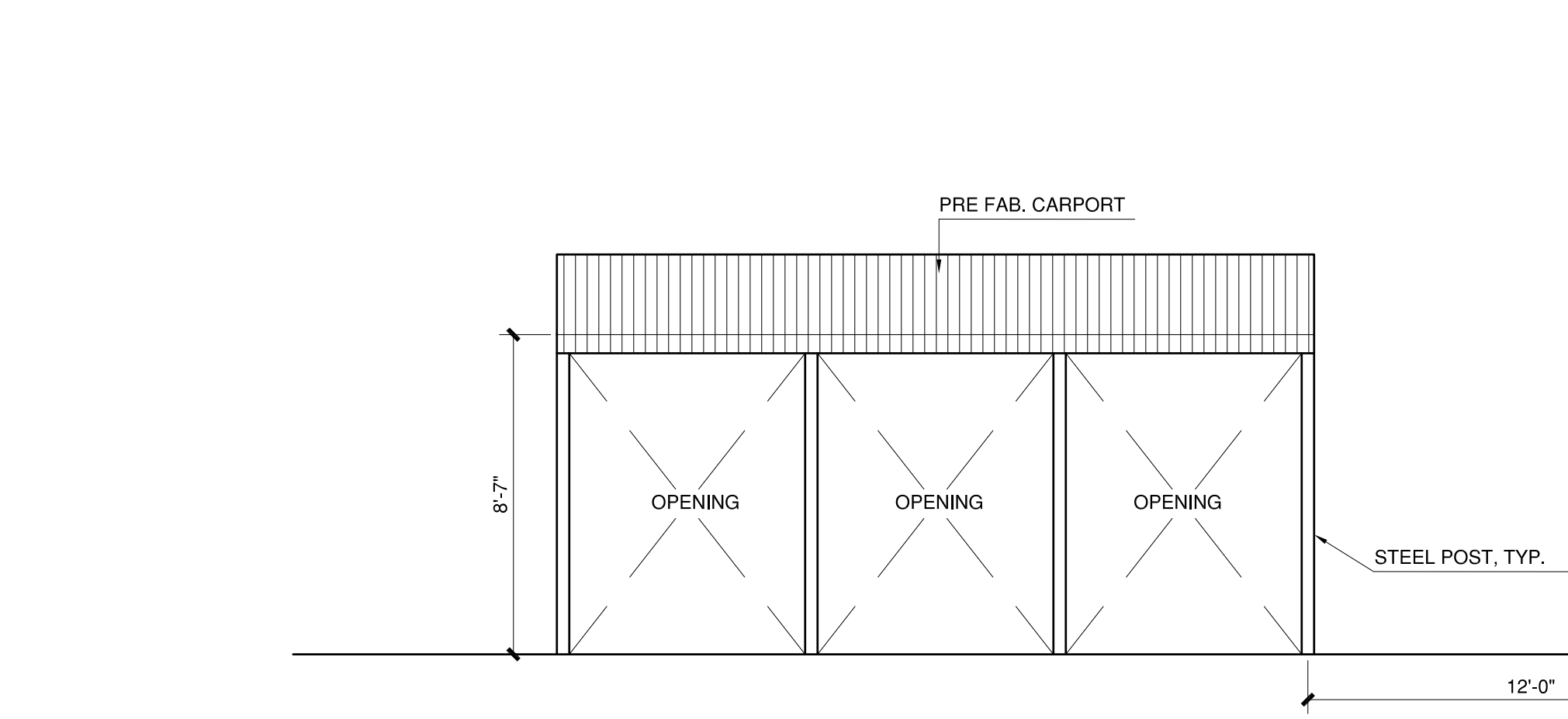
SOUTHWESTERN ELEVATION

1/4" 1



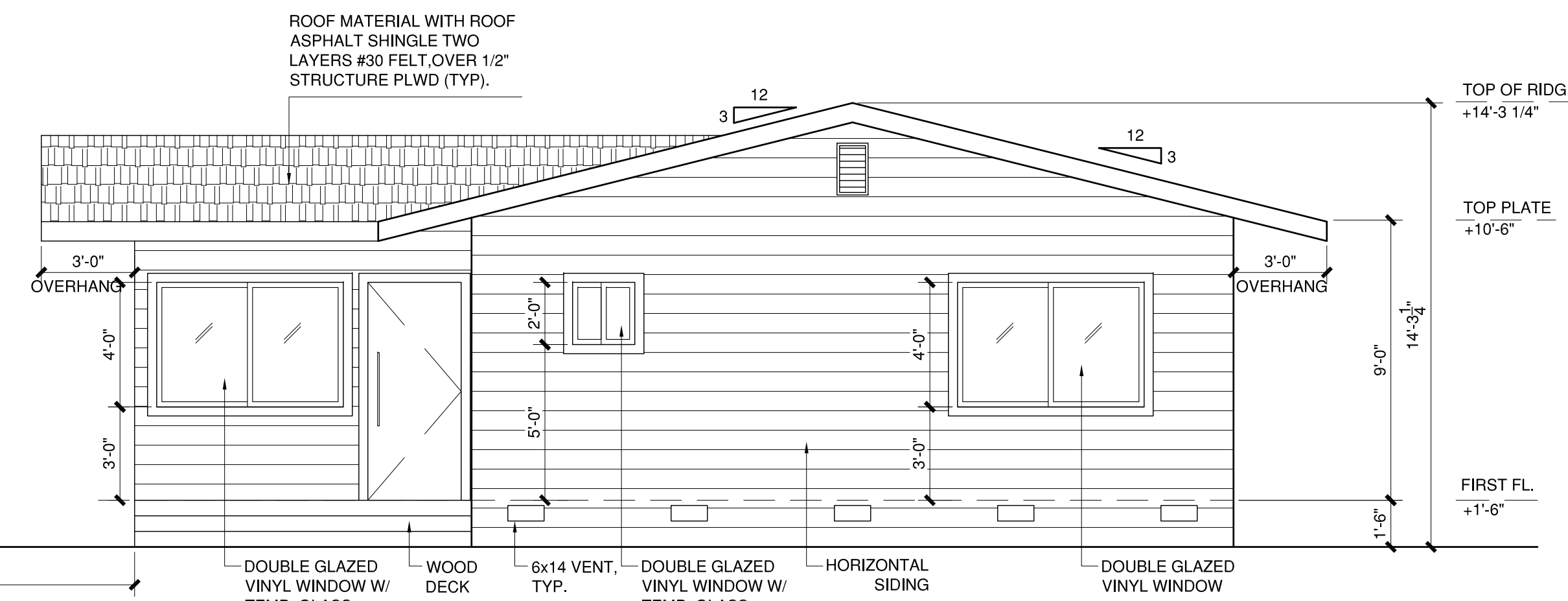
CARPOT FRONT ELEVATION

1/4" 1A



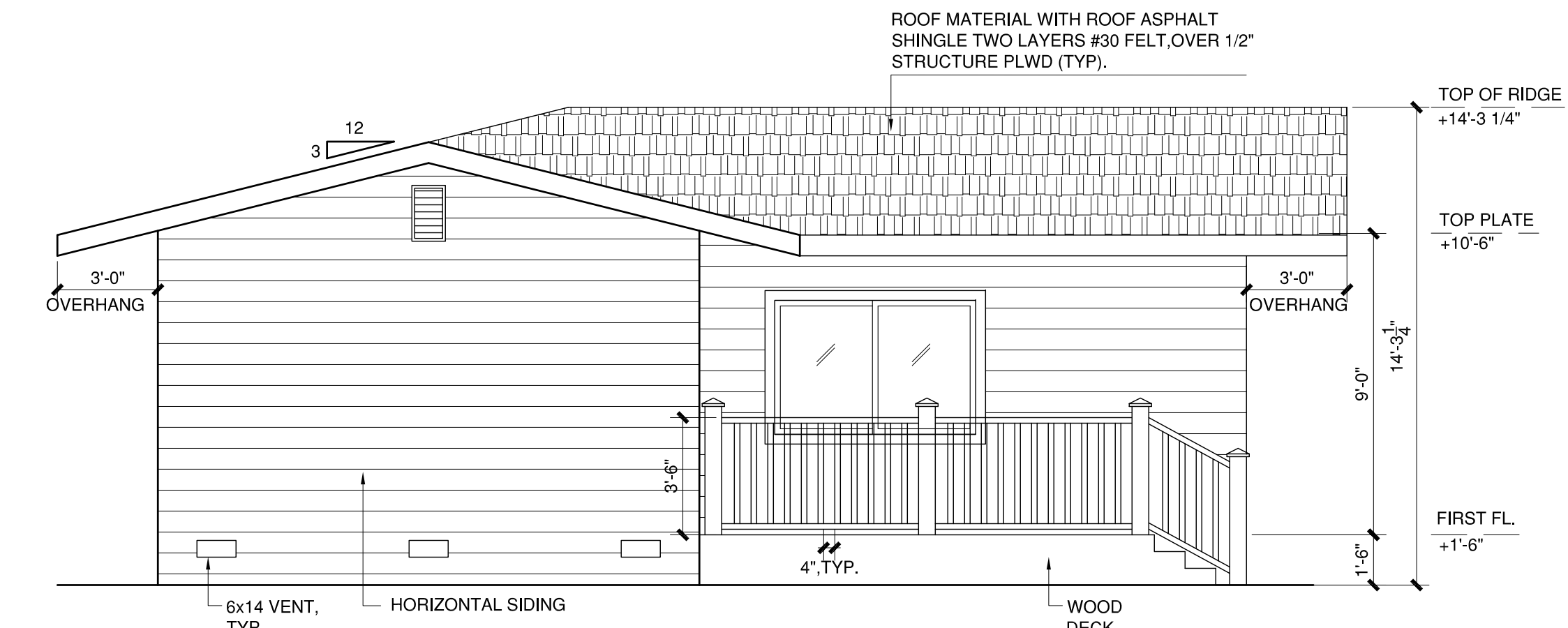
NORTHEASTERN ELEVATION

1/4" 2



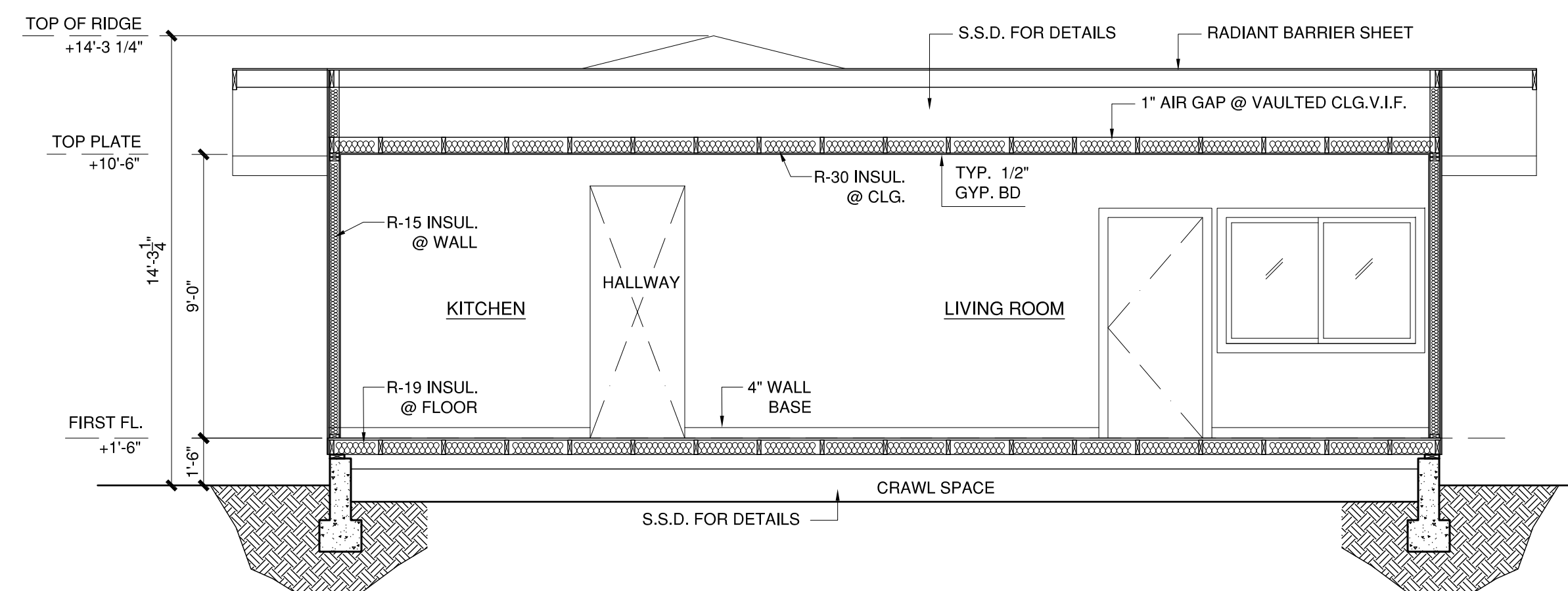
NORTHWESTERN ELEVATION

1/4" 3



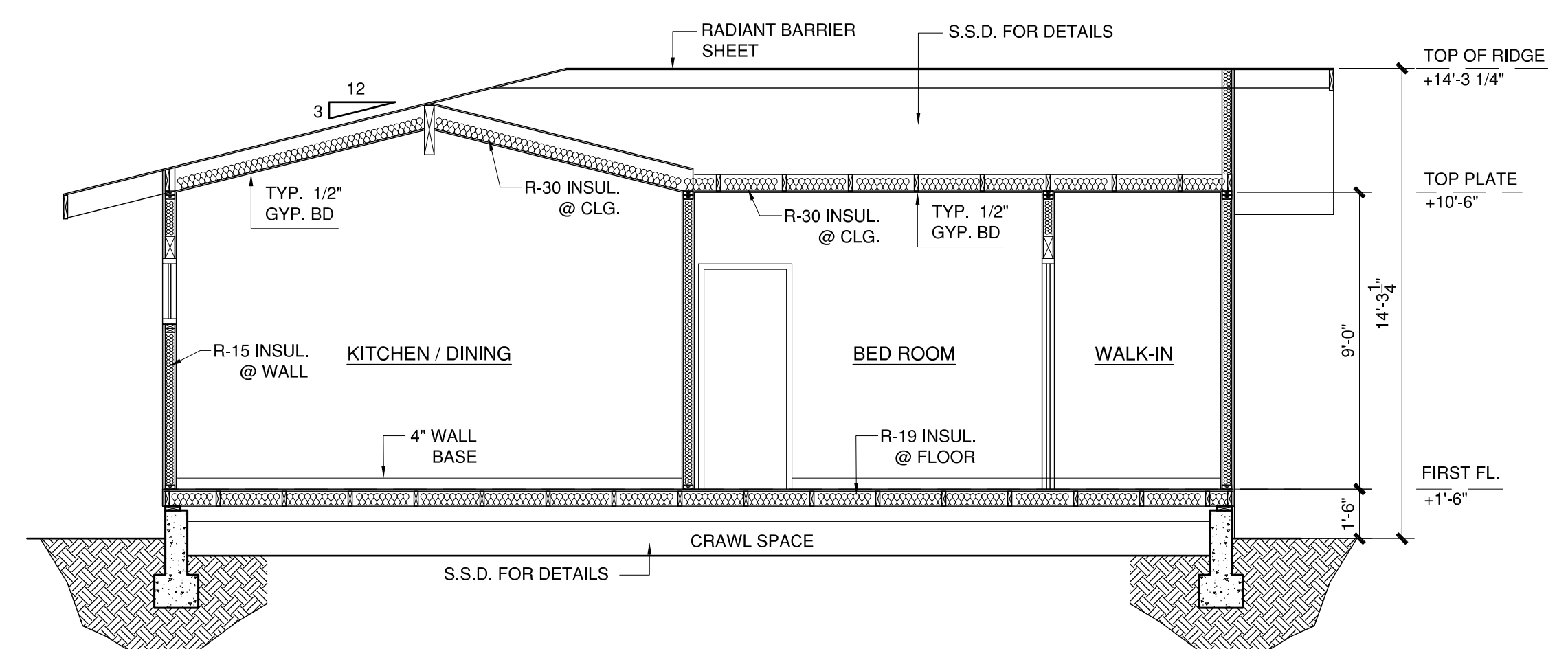
SOUTHEASTERN ELEVATION WITH NEW WOOD DECK FOR MAIN HOUSE

1/4" 4



SECTION

1/4" 5



SECTION

1/4" 6

PROJECT

SHEN RESIDENCE
REMODELING

17580 STEVENS CANYON
CUPERTINO, CA 95014

DRAWING TITLE

ELEVATIONS & SECTIONS

REVISIONS

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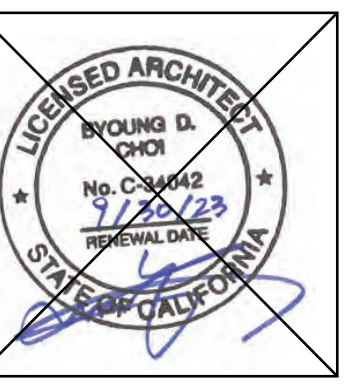
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PROJECT

**SHEN RESIDENCE
REMODELING**

17580 STEVENS CANYON
CUPERTINO, CA 95014

DRAWING TITLE

DETAILS

REVISIONS

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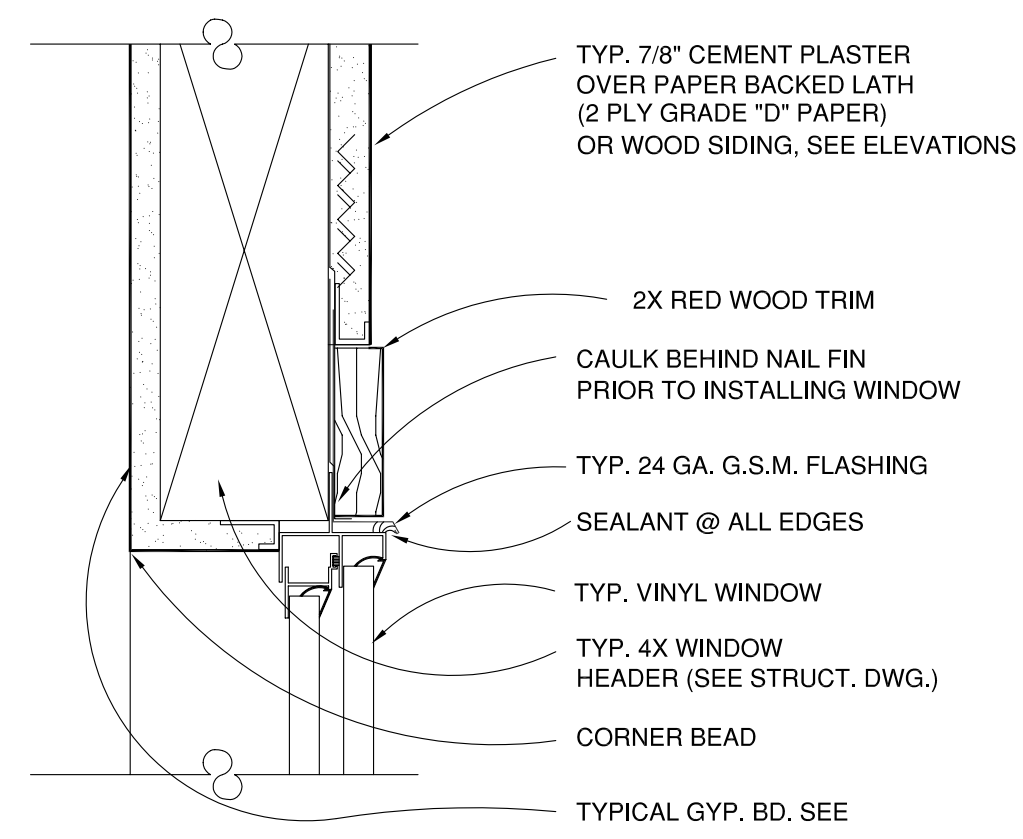
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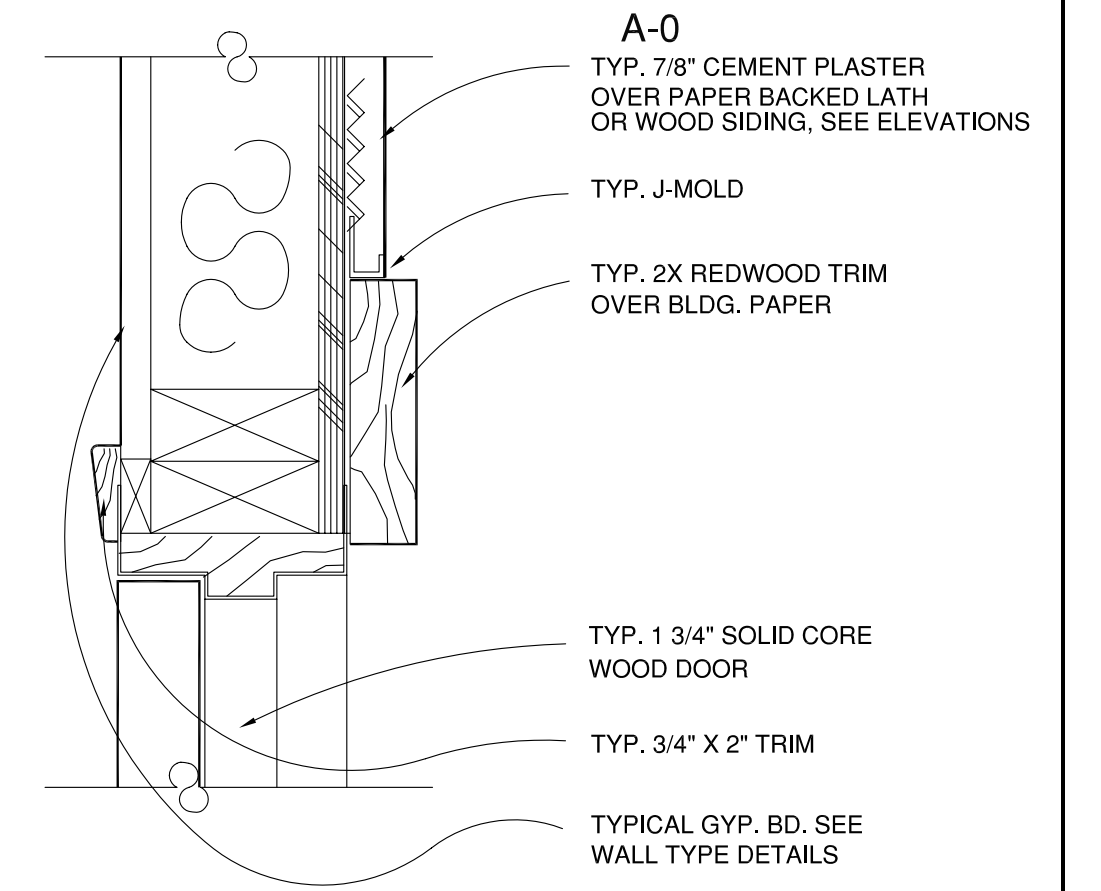
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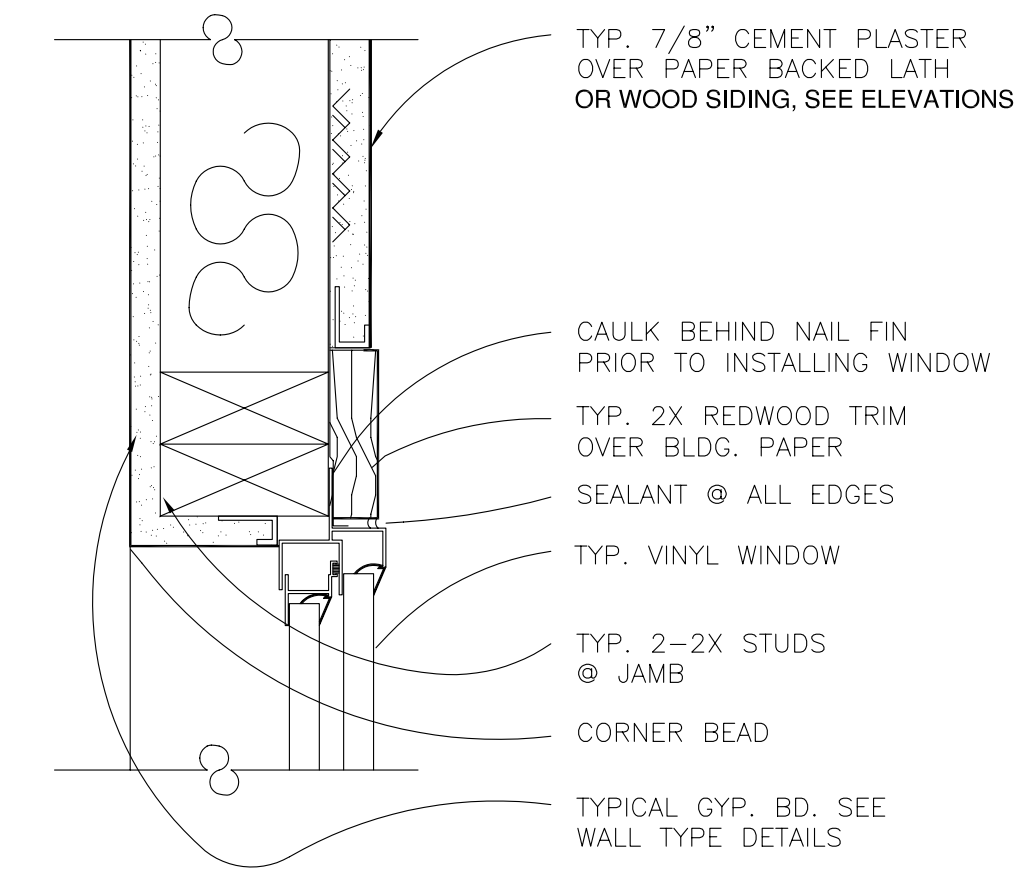
A-4



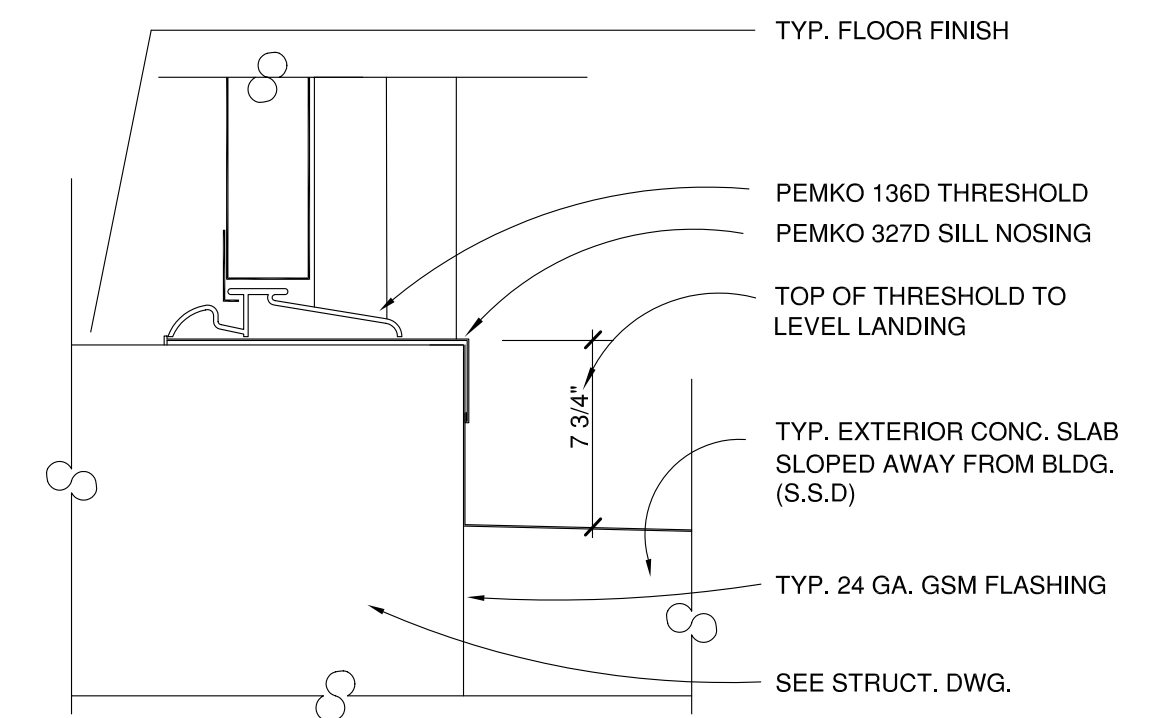
VINYL WINDOW HEAD 3" 5



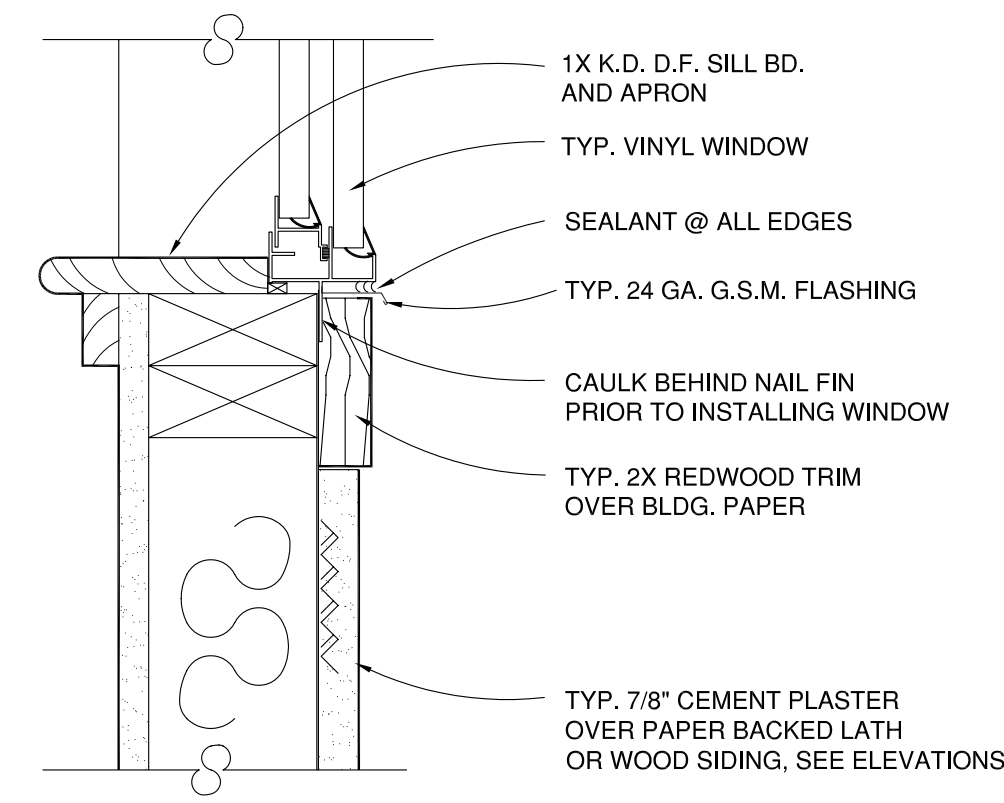
EXTERIOR DOOR JAMB 3" 1



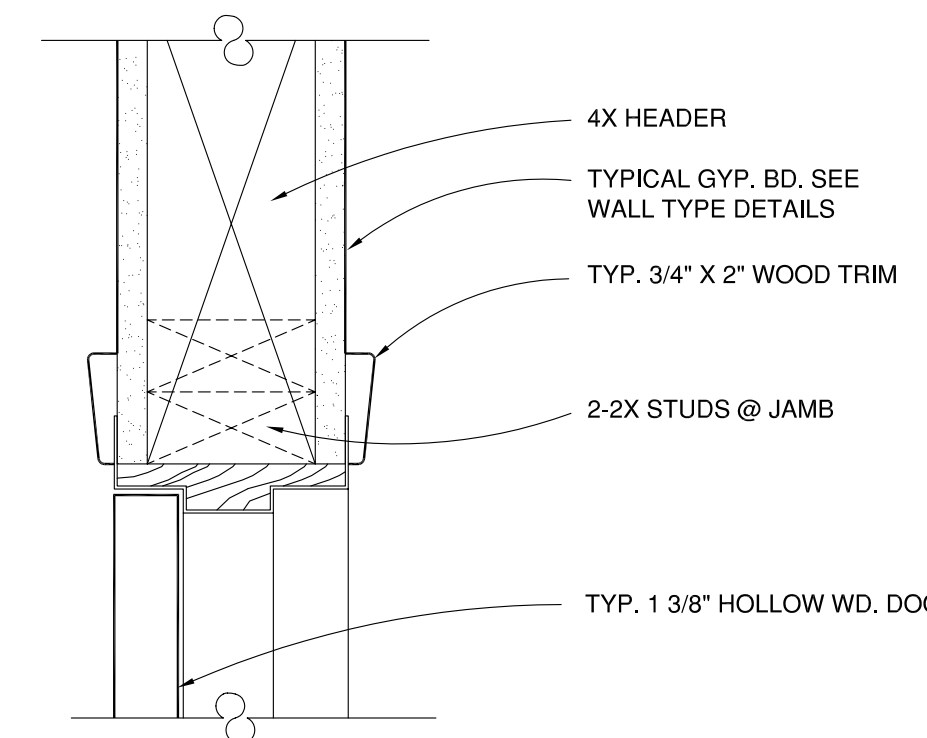
VINYL WINDOW JAMB 3" 6



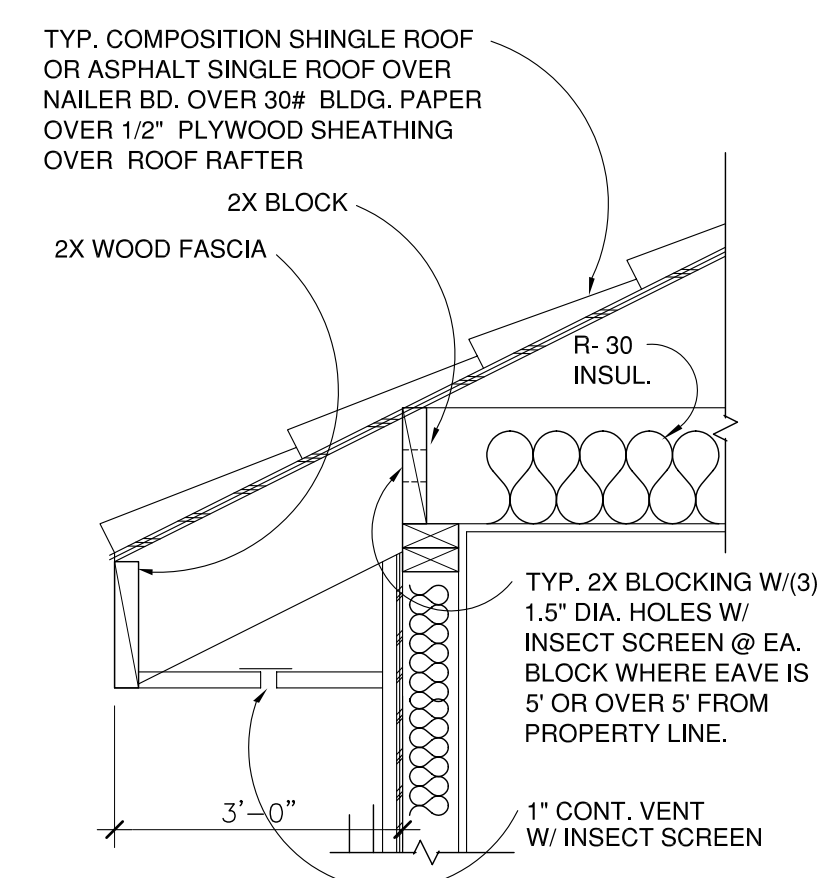
EXTERIOR DOOR SILL 3" 2



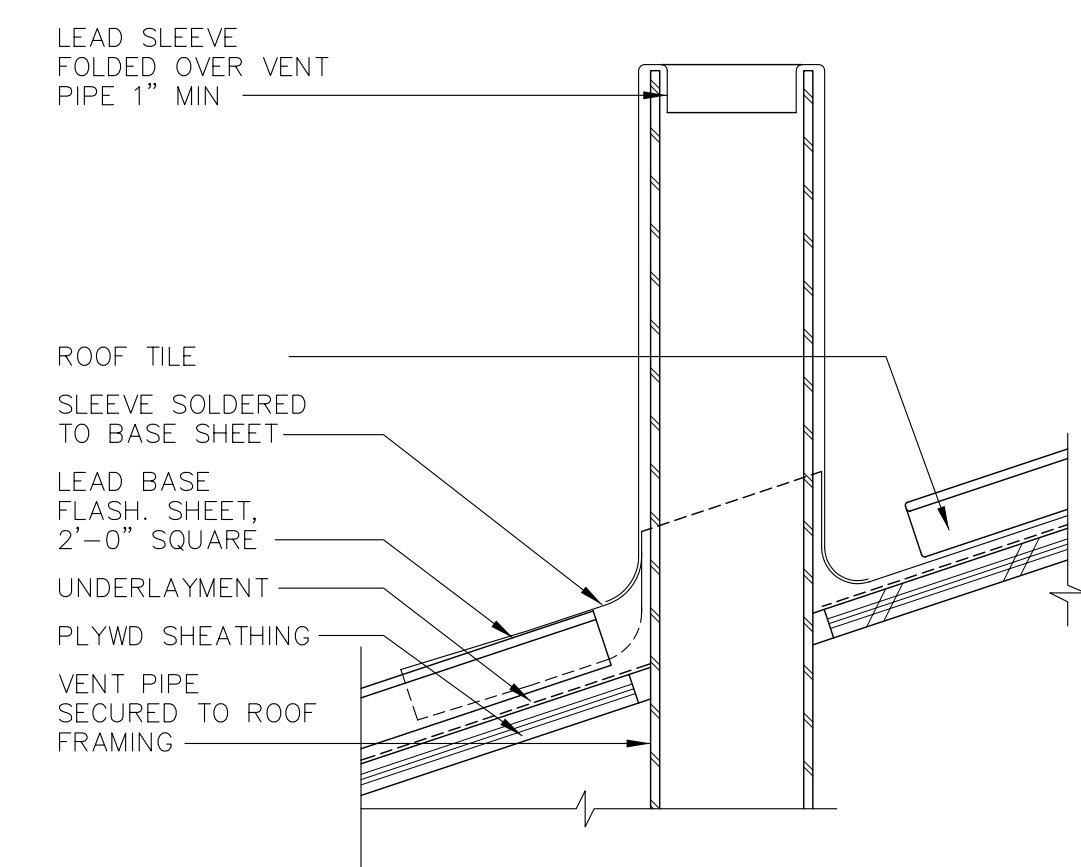
VINYL WINDOW SILL 3" 7



INTERIOR DOOR HEAD/JAMB 3" 3



TYP. ROOF @ FASCIA 3" 8



TYP. VENT THRU ROOF 3" 4



ELECTRICAL GENERAL NOTES:

- CONTRACTOR TO VERIFY ALL OWNER'S APPLIANCE MANUAL SPEC. PRIOR TO CONSTRUCTION. INSTALLATION INSTRUCTIONS FOR ALL LISTED EQUIPMENT SHALL BE PROVIDED TO THE FIELD INSPECTOR AT TIME OF INSPECTION, PER UMC 303.1
- PROVIDE RECEPTACLE OUTLETS 12 FEET O.C. MAX. AND WITHIN 6 FEET OF THE END OF WALLS AND AT ANY WALL SPACE 2 FT OR MORE IN WIDTH. CEC 310-52(a) (1) AND 210-52(a) (2) (b) AND (c).
- CONTRACTOR TO WIRE ALL ELECTRICAL TO COMPLY CURRENT CODE
- CONTRACTOR TO INCLUDE INSTALL LIGHT FIXTURE PRICE IN ESTIMATE. OWNER SHALL PROVIDE LIGHT FIXTURE.
- FLOOR OUTLETS MAY BE USED AS REQUIRED WALL OUTLETS WHEN LOCATED WITHIN 18" OF THE WALL IN ACCORDANCE WITH NEC SECTION 210-52(a).
- ALL BATHROOM LIGHTS SHALL BE FLUORESCENT LIGHTS.

7A. ALL 120 VOLT, SINGLE PHASE, 15- AND 20- AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREA SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT PER CALIFORNIA ELECTRICAL CODE ARTICLE 210.12(A), ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION, (A) DWELLING UNITS.

7B. IN ANY OF THE AREAS SPECIFIED IN 210.12(A) ABOVE, WHERE BRANCH-CIRCUIT WIRING IS MODIFIED, REPLACED, OR EXTENDED, THE BRANCH-CIRCUIT SHALL BE PROTECTED BY ONE OF THE FOLLOWING:
 (1) A LISTED COMBINATION-TYPE AFCI LOCATED AT THE ORIGIN OF THE BRANCH CIRCUIT.
 (2) A LISTED OUTLET BRANCH-CIRCUIT TYPE AFCI LOCATED AT THE FIRST RECEPTACLE OUTLET OF THE EXISTING BRANCH CIRCUIT.
 PER CALIFORNIA ELECTRICAL CODE ARTICLE 210.12(B), ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION, (B) BRANCH CIRCUIT EXTENSIONS OR MODIFICATIONS-DWELLING UNITS.

8. NEW 120 VOLT, 15- AND 20-AMPERE RECEPTACLE OUTLETS SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES PER CEC 406.11

9. AFCI RECEPTACLES ON ALL WALLS TO BE 2 FEET, WITHIN 6 FEET OF DOOR AND MAXIMUM 12 FEET ON CENTER PER CEC ARTICLE 210.12

10. ALL LIGHT FIXTURES IN TUB OR SHOWER ENCLOSURES SHALL BE SUITABLE FOR DAMP LOCATIONS PER UEC 410-4a

11. A GROUNDING ELECTRODE SYSTEM SHALL BE PROVIDED PER NEC 250-50

12. INTERCONNECT 110V SMOKE DETECTORS, WITH BATTERY BACKUP, WHICH ARE AUDIBLE IN ALL SLEEPING AREAS AT THE FOLLOWING LOCATIONS: (1) ALL BEDROOMS; (2) HALLWAYS LEADING TO BEDROOMS; (3) ABOVE TOPS OF STAIRS; AND (4) AT LEAST ONE AT EVERY LEVEL. CRC R314.3

13. PROVIDE AT LEAST ONE 20AMP CIRCUIT TO SERVE BATHROOM OUTLETS. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS. CEC ARTICLE 210.12

14. OTHER AREAS OF THIS HOME MUST ALSO HAVE HIGH EFFICACY LIGHTING, OR BE PROVIDED WITH A MANUAL TURN-OFF AUTOMATICALLY WHEN NO ONE IS PRESENT WITHIN THE ROOM AND BE CAPABLE OF BEING TURNED ON MANUALLY WITH A SWITCH. (CLOSETS LESS THAN 70 SF ARE EXEMPT FROM LIGHTING REQUIREMENT)

15. ALL DUCT WORK SHALL USE PRESSURE-SENSITIVE TAPES, MASTICS, AEROSOL SEALANTS OR OTHER CLOSURE SYSTEMS MEETING APPLICABLE UL 181A AND B REQUIREMENTS. DRAWBANDS USED WITH FLEXIBLE DUCTS SHALL BE EITHER STAINLESS-STEEL, WORM-DRIVEN HOSE CLAMPS OR UV-RESISTANT NYLON DUCT TIES. IN ADDITION, DRAWBANDS MUST HAVE A MINIMUM TENSILE STRENGTH RATING OF 150 POUNDS AND BE TIGHTENED AS RECOMMENDED BY THE MANUFACTURER, PER ENERGY STANDARDS, ARTICLE 1.3

16. NO DUCT WORK SHALL BE PLACED BELOW THE BFE.

17. ALL UNIQUE LIGHTING TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR

18. ALL ABOVE COUNTER RECEPTACLES IN THE KITCHEN SHALL NOT EXCEED 4' ON CENTER AND GFCI PROTECTED

19. MAINTAIN REQUIRED WORKING CLEARANCES AT THE AC EXTERIOR ELECTRICAL DISCONNECT.

20. THE RECEPTACLE IS GFCI PROTECTED PER ARTICLE 210.8 # 10 CEC IN LAUNDRY AREAS.

21. THE RECEPTACLE IS GFCI PROTECTED PER ARTICLE 210.8 (D) DISHWASHER LOCATION.

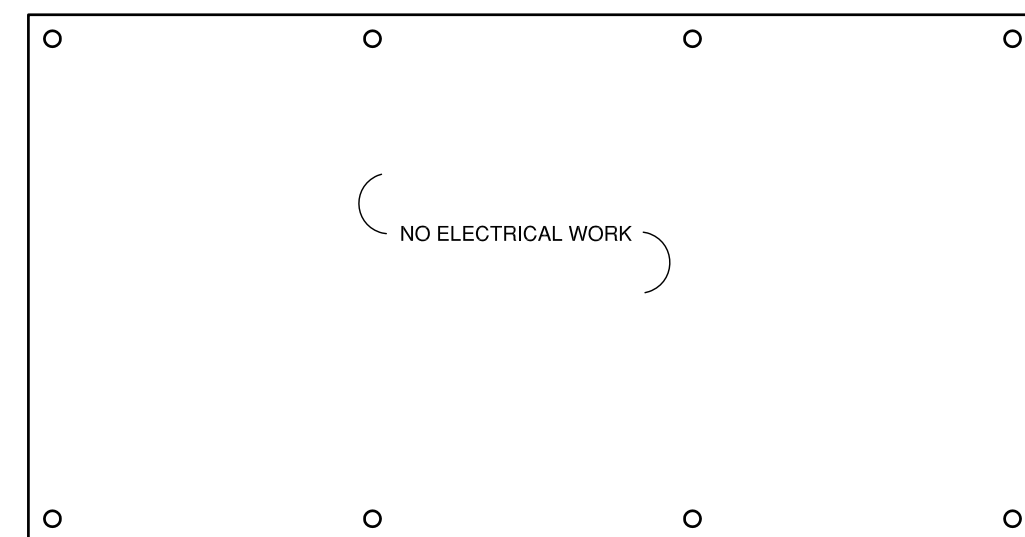
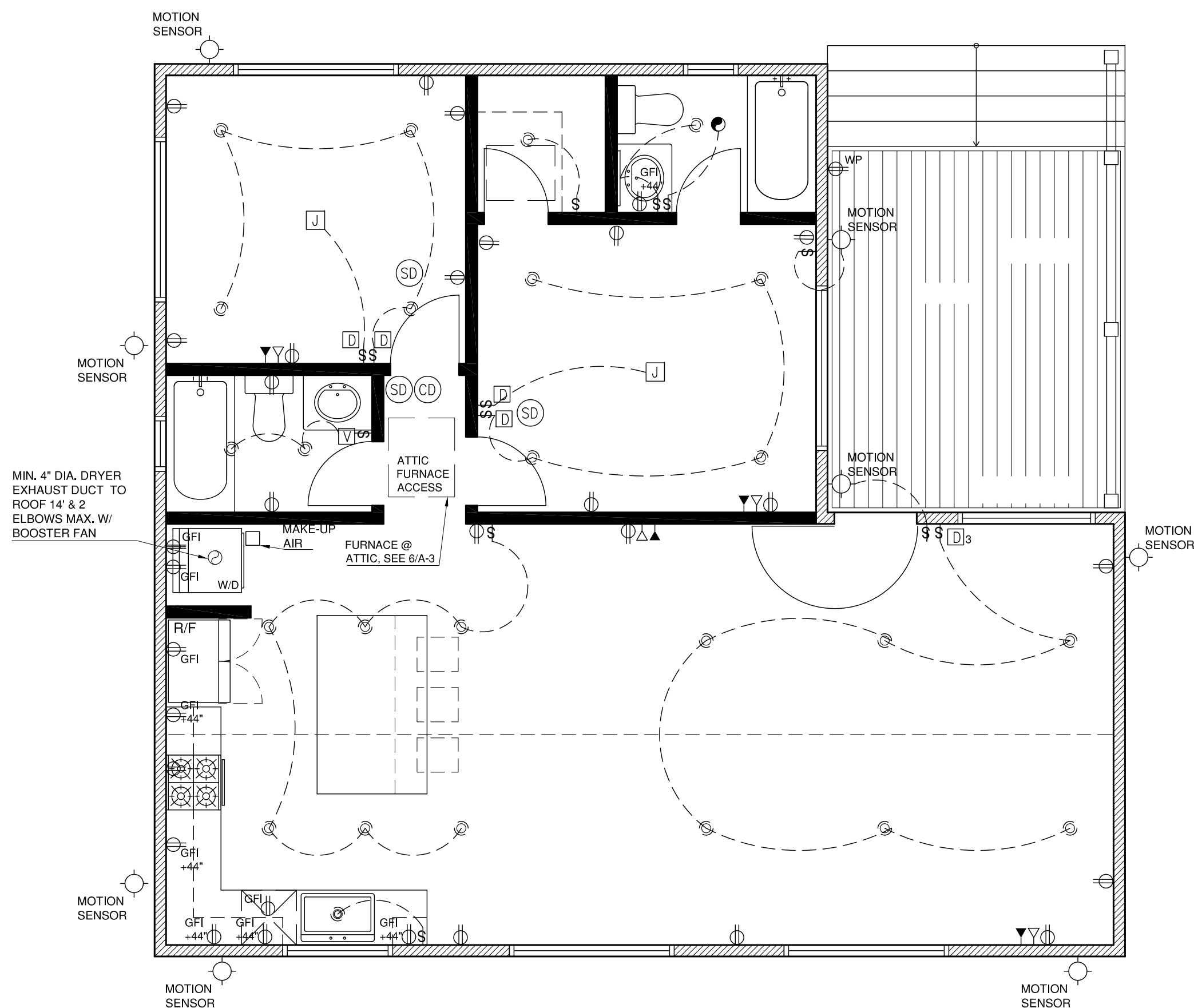
22. ALL LIGHTING CONTROLS ARE DIMMER OR VACANCY SENSOR SWITCHES AS SHOWN ON THE PLAN

MECHANICAL NOTES:

- ALL EXHAUST FANS ARE EQUIP WITH BACKDRAFT DAMPERS.

PLUMBING NOTES:

- THE ISLAND SINKS TO COMPLY WITH SECTION 909 CPC.
- INSTALL MINIMUM 80 FIRST HOUR RATING GALLONS PER 2019 CPC TABLE 501.1(1).
- IF THE WATER HEATER IS MOVED DUE TO THE CONSTRUCTION, PROVIDE A NOTE FOR 3" STEEL POST TO PROVIDE VEHICULAR PROTECTION PER SECTION 507.13.1 CPC.
- IF THE WATER HEATER IS MOVED DUE TO THE CONSTRUCTION, ADD A NOTE TO INSTALL WITH TWO SEISMIC STEEL STRAPS, MAINTAIN 4" TO THE CONTROLS PER SECTION 507.2 CPC.
- IF THE WATER HEATER IS MOVED DUE TO THE CONSTRUCTION, ADD A NOTE TO ELEVATE A MINIMUM 18" STAND AFF PER SECTION 507.13 CPC.
- IF THE WATER HEATER IS MOVED DUE TO THE CONSTRUCTION, ADD A NOTE ON THE PLANS FOR THE PRESSURE RELIEF PIPING SERVING THE WATER HEATER TO BE PIPED TO THE EXTERIOR OF THE BUILDING PER SECTIONS 504.6 & 608.5 CPC. THE TERMINATION OF SUCH PIPE SHALL BE AT A MINIMUM 6" AFF AND MAXIMUM OF 24" AFF



ELECTRICAL LEGEND

- | | | | |
|-----|-----------------------|---|--|
| ⊕ | DUPLEX 110VAC OUTLET | ⊙ | HIGH-EFFICIENCY WALL MOUNT LIGHT PER CALIFORNIA ENERGY CODE 150(K) |
| ⊕ | DUPLEX 220VAC OUTLET | ⊙ | EXHAUST FAN WITH BACKDRAFT DAMPERS (ENERGY STAR CERTIFIED, DUCT TO THE ROOF W/ HUMIDITY CONTRL SWITCH ADJUSTING FROM 50-80%), MIN. 50 CFM. |
| ▷ | DATA CABLE JACK | ⊕ | JUNCTION BOX |
| ▶ | TELEPHONE JACK | ⊕ | 110V AC SMOKE DETECTOR |
| \$ | LIGHT SWITCH | ⊕ | CARBON MONOXIDE ALRM (LISTED* AS COMPLYING WITH UL 2034 AND UL 2075 PER CRC R315.3) |
| \$3 | 3 WAY SWITCH | ⊕ | WALL OR CEILING-MOUNTED REGISTER |
| \$D | DIMMER LIGHT SWITCH | | |
| \$V | VACANCY SENSOR LT. S. | | |
| ⊙ | RECESS LIGHT-LED 1 | | |
| ⊙ | RECESS LIGHT-LED 2 | | |
| ⊕ | WALL LIGHT-LED 3 | | |

NOTES:

- ALL SMOKE & CARBON MONOXIDE ALARMS ARE TO BE AC/DC AND INTERCONNECTED.
- GFCI PROTECTION PER ARTICLE 210.8 #10 CEC LAUNDRY AREA.
- GFCI PROTECTION PER ARTICLE 210.8 (D) DISHWASHER LOCATION.
- ALL NEW INTERIOR AND EXTERIOR LIGHTING TO BE HIGH EFFICIENCY PER SECTION 150.0 (K) 2019 CEC.
- ALL CAN LIGHTS TO BE IC/AT RATED.
- MINIMUM SEPARATE ELECTRICAL CIRCUITS FOR
 - TWO(2) SMALL APPLIANCE CURCUITS FOR THE KITCHEN 20 AMP.
 - GARBAGE DISPOSAL
 - DISHWASHER
 - 20 AMP LAUNDRY CIRCUIT
 - DRYER 30 AMP MINIMUM 220V
- ALL PROPOSED HOSE BIBS TO HAVE NON-REMOVABLE BACKFLOW DEVICE.

PROJECT

SHEN RESIDENCE
REMODELING

17580 STEVENS CANYON
CUPERTINO, CA 95014

DRAWING TITLE

ELECTRICAL PLAN

REVISIONS

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