

**SECTION NOTES**

CONVENTIONAL LIGHT-FRAME CONSTRUCTION PROVISIONS OF THE CALIFORNIA RESIDENTIAL CODE CHAPTERS 3, 4, 6 AND 8 SHALL APPLY TO THIS PROJECT.

ANY AND ALL ELEMENTS OF THE PREPARED PLANS THAT EXCEED THE MINIMUM STANDARDS REQUIRED BY CODE OR A PROJECT STRUCTURAL ENGINEER SHALL TAKE PRECEDENCE OVER SUCH MINIMUM STANDARDS AND REQUIREMENTS.

ALL LUMBER TO BE USED IN THE CONSTRUCTION AND REMODELING OF THIS STRUCTURE SHALL BE DOUGLAS FIR - LARCH (COAST REGION) GRADE II OR BETTER (SEE ALSO PLANS AND SPECS.).

ALL HEADERS INSTALLED OVER DOORS, WINDOWS, AND ANY NECESSARY OPENINGS ARE TO BE 4X12 DF # 2 OR BETTER (U. N. O.).

PROVIDE DOUBLE TRIMMER OR POST AT EACH SIDE OF OPENINGS 8'-0" OR GREATER (TYP.).

ALL INTERIOR NON-BEARING WALL BRACING TO BE MIN. EITHER A 1X4 DF # 2 CONTINUOUS LET-IN, OR SIMPSON WB STRAPS AT 45° MIN. / 60° MAX. TYPICAL.

ALL EXTERIOR WALL BRACING SHALL BE MIN. 3/8" CDX SOILD PYWOOD SHEATHING WITH 8d NAILS AT 6" O.C. (EDGES) & 12" O.C. (FIELD) TYPICAL UNLESS NOTED OTHERWISE..

EXTERIOR FINISH, WHERE APPLIC., SHALL BE MINIMUM 7/8" STANDARD 3 COAT APPLICATION CEMENT PLASTER (STUCCO) OVER LAYER OF PAPERBACK METAL OR WIRE LATH WITH Drip SCREED AT BASE. WEATHER-RESISTIVE BARRIERS SHALL BE INSTALLED UNDER LATH AS DESCRIBED ABOVE, AND WHEN APPLIED OVER WOOD BASED SHEATHING SHALL INCLUDE 2 LAYERS OF GRADE D PAPER. PER C.R.C.

NOTE: PAPERBACK STUCCO WIRE IS EQUIVALENT TO 1 LAYER OF GRADE D PAPER.

WALL FRAMING SHALL BE 2X4 STUDS AT 16" O.C. MAX. PROVIDE DOUBLE TOP PLATE WITH MINIMUM 48" LAP SPLICE WITH (2) ROWS OF 16d AT EVERY 6" (TYPICAL).

INSULATE ALL NEW WALLS WITH R-19, CEILINGS WITH R-38, AND UNDERFLOOR AREAS WITH R-19 MINIMUM BATT INSULATION PER TITLE 24 REQUIREMENTS.

PROVIDE SOLID BLOCKING AT ENDS OF ALL CEILING JOISTS AND RAFTERS WITH SCREENED EAVE VENTS INSTALLED IN PER C.R.C.

PROVIDE CONTINUOUS SCREENED VENT STRIP AT SOFFITED EAVE WITH 2X SOLID BLOCKING AT ENDS OF CEILING JOISTS. DRILL MIN. OF (3) 2" DIA. HOLES IN EACH BLOCK FOR PROPER VENTILATION REQUIREMENTS PER C.R.C.

PROVIDE WEATHER-RESISTIVE BARRIER AT EXTERIOR WALLS (E.G., WOOD SIDING OVER BUILDING PAPER, ETC.), PER 2016 C.R.C. 703.2

ALL NAILING SHALL COMPLY WITH C.R.C. U.N.O. ON THE PLANS OR STRUCTURAL CALCULATIONS.

ADHERED OR ANCHORED VENEER SHALL BE INSTALLED OVER 1" MIN. MORTAR GROUT BACKING, OVER PAPERBACKED STUCCO WIRE, AND WHEN APPLIED TO SOLID SHEATHING A CONTINUOUS WEATHER RESTRICTIVE BARRIER MUST FIRST BE INSTALLED. PER C.R.C.

ROOF COVERING TO COMPLY WITH C.R.C. CHAPTER 9 ALL ROOFING MATERIAL MUST BE LABELED AND CERTIFIED PER U.L. AND ASTM STANDARDS, AND MEET THE REQUIREMENTS OF SECTION R905.4.

ROOFING MATERIAL TO BE LIGHTWEIGHT METAL TILE (ICD# 9001) OVER TYPE 30 SATURATED RAG FELT INSTALLED OVER 1/2" MIN. APA RATED (24/16) CDX PLYWOOD SHEATHING WITH 8d NAILS AT 6" (E) & 12" (F). USE 1&G PLYWOOD OR 1" CLIPS AT 48" O.C. (TYPICAL).

DUCT SYSTEMS ARE SIZED, DESIGNED, AND EQUIPMENT IS SELECTED USING THE FOLLOWING METHODS:

1. ESTABLISH HEAT LOSS AND HEAT GAIN VALUES ACCORDING TO ANSI / ACCA 2 MANUAL J-2004 OR EQUIVALENT
2. SIZE DUCT SYSTEMS ACCORDING TO ANSI / ACCA 1 MANUAL D-2009 OR EQUIVALENT.
3. MANUAL S-2004 OR EQUIVALENT.

1/2" MINIMUM GYPSUM BOARD (SHEETROCK) TO BE INSTALLED AT ALL WALLS AND FLAT CEILING AREAS WITH 5d NAILS @ 7" O.C. MAX. EACH WAY. REFER TO C.R.C.

5/8" MINIMUM GYPSUM BOARD (SHEETROCK) TO BE INSTALLED AT ALL SLOPED CEILING AREAS WITH 6d NAILS @ 7" O.C. EACH WAY TYPICAL. REFER TO C.R.C.

PROVIDE DBL. 2X SOLID BLOCKING ABOVE AND BELOW ALL BEARING AND NON-BEARING PARTITIONS.

INSTALL DBL. 2X FRAMING WITH SIMPSON METAL HANGERS (O.A.E.) AT ALL SKYLIGHT OPENINGS (TYPICAL).

DRAFT STOPPING SHALL BE INSTALLED WHERE THE AREA OF THE CONCEALED SPACES IN THE ATTIC, FLOOR AND / OR WALLS EXCEED 1,000 SQ. FT. PER SECTION R302.12, DIVIDING THE CONCEALED SPACES INTO APPROXIMATELY EQUAL AREAS.

**ATTIC VENTILATION**  
 ENCLOSED ATTIC AND RAFTER SPACES SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY OPENINGS TO THE EXTERIOR (TYPICALLY AT THE EAVE LINE) COVERED WITH CORROSION-RESISTANT WIRE MESH WITH MESH OPENINGS OF 1/4 INCH IN DIMENSION. THE NET FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE SPACE VENTILATED PER CRC SECTION 806 AND 806.2

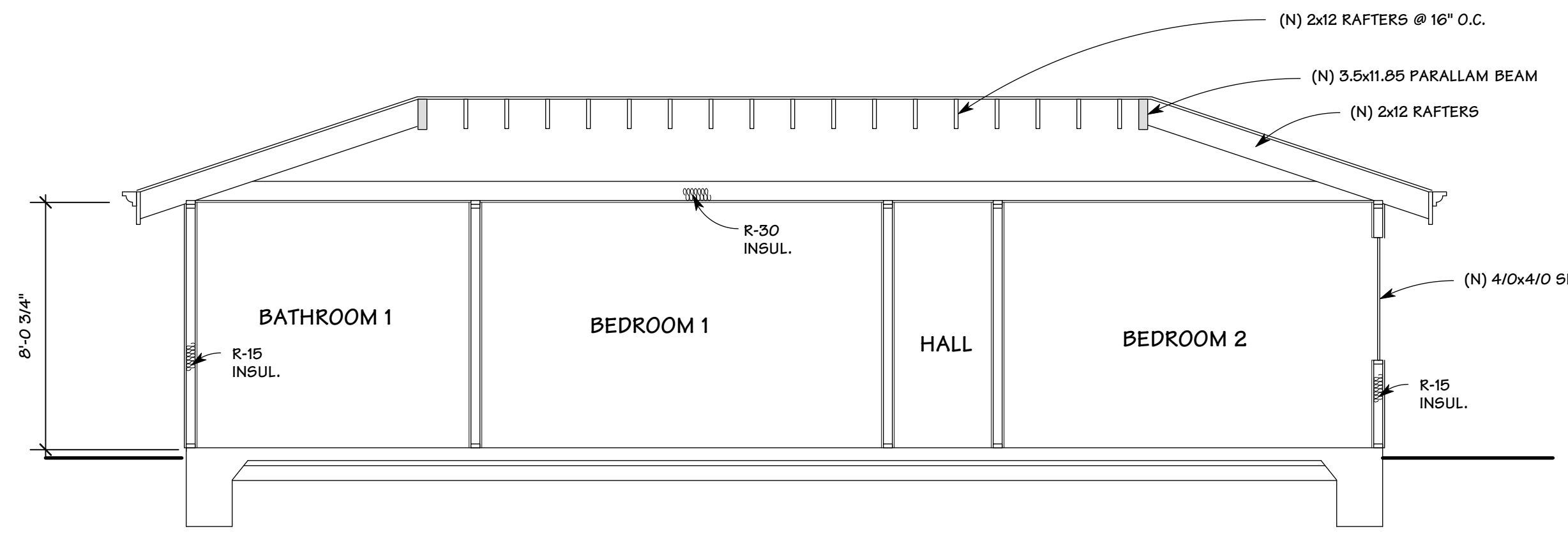
**FORMULA**  
 ATTIC AREA AD + 150 SQ. FT. = REQUIRED OPEN AREA OF ATTIC VENTILATION (ROA)

$$\frac{(AA)}{150 \text{ SQ. FT.}} = \frac{(ROA) + \text{FREE VENT AREA (FVA)}}{150 \text{ SQ. FT.}} = \text{NUMBER OF VENTS REQUIRED}$$

$$\frac{(AA)}{150 \text{ SQ. FT.}} = \frac{(ROA)}{(FVA)} = \text{NUMBER OF VENTS REQUIRED}$$

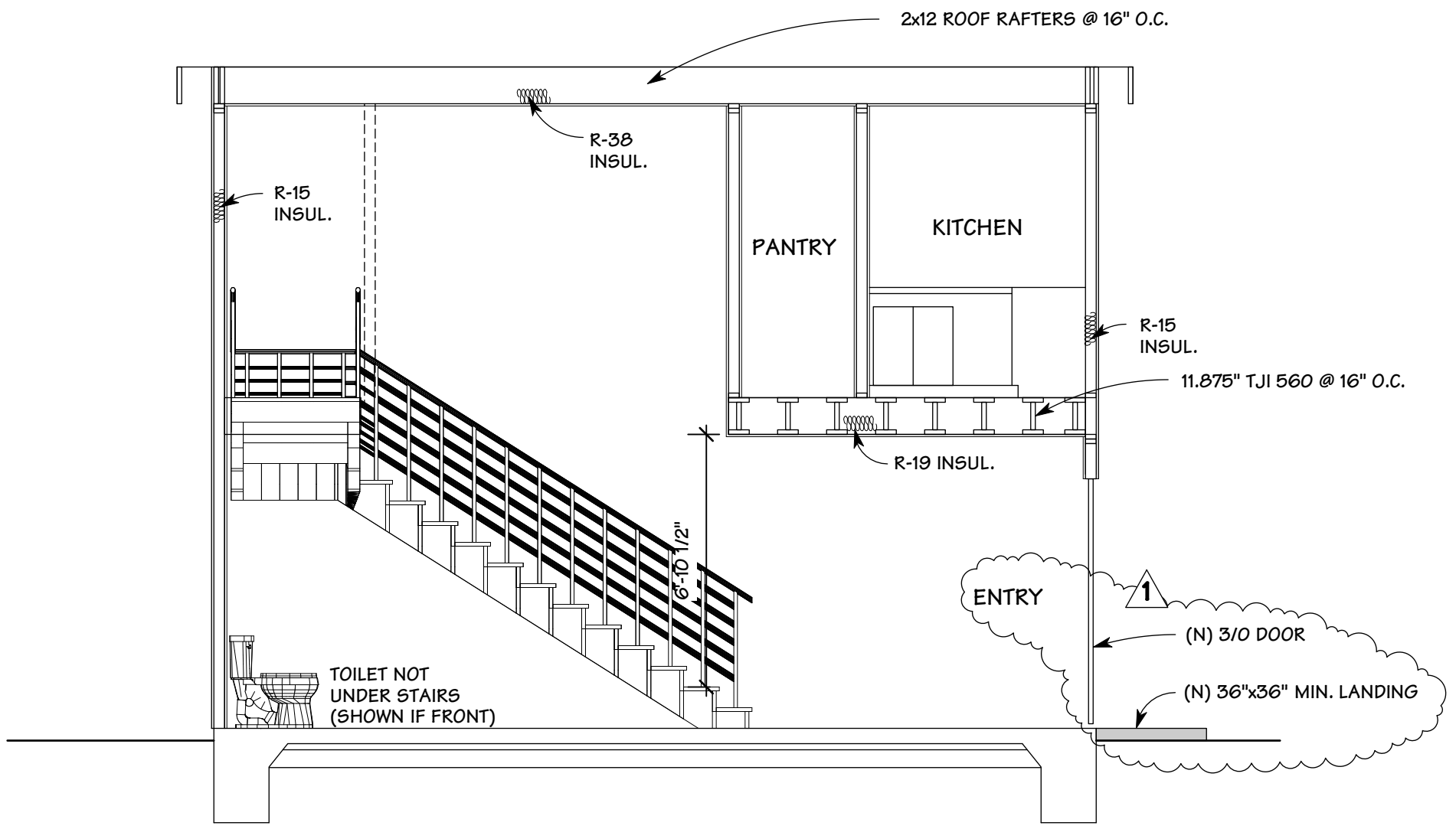
$$\frac{1,790.0}{150 \text{ SQ. FT.}} = \frac{11.93}{.7} = \text{MIN. OF } 18 \text{ NEW VENTS REQUIRED. VENT SIZE } 24" \times 6" \text{ R.O.}$$

**EXCEPTION:**  
 THE REQUIRED EAVE VENT AREA MAY BE REDUCED TO 1/300 OF THE TOTAL SPACE TO BE VENTILATED -- PROVIDED A MIN. OF 50% OF THE REQUIRED VENT AREA IS SUPPLIED BY GABLE, OR OTHER TYPE ROOF VENTS INSTALLED AT LEAST THREE FEET ABOVE EAVE VENTILATORS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY THE EAVE VENTS.



**SECTION - A**

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



**SECTION - B**

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

GA FILE NO. WP 3242	GENERIC	1 HOUR FIRE	50 to 54 STC SOUND
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**GYPSUM WALLBOARD, RESILIENT CHANNELS.**  
 MINERAL OR GLASS FIBER INSULATION, WOOD STUDS

Resilient channels 16" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 16" or 24" o.c. with 1 1/4" Type S drywall screws. One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S drywall screws 12" o.c. with vertical joints located midway between studs. End joints backblocked with resilient channels. 2" mineral or glass fiber insulation in stud space.

OPPOSITE SIDE: One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at parallel or at right angles to studs with 6d cement coated nails, 17 1/2" long, 0.0915" shank, 1 1/2" heads, 7" o.c.

Vertical joints staggered 24" on opposite sides. Sound tested with studs spaced 24" o.c. (STC=50). Also sound tested with studs spaced 16" o.c. and with two layers of 5/8" type X gypsum board on the resilient channel side (STC=50). (LOAD-BEARING)

Thickness: 5 1/2"  
 Approx. Weight: 7 pcf  
 Fire Test: Based on UL R14196, OSNK05371, 2-15-05, UL Design U305  
 Sound Test: NRCC TL93-103, 3-98; NRCC TL93-118, 3-98

1 HOUR FIRE RATED WALL DETAIL

FLOOR-CEILING SYSTEMS, WOOD FRAMED			
GA FILE NO. FC 5406	GENERIC	1 HOUR FIRE	35 to 39 STC SOUND

WOOD JOISTS, GYPSUM WALLBOARD

Base layer 5/8" type X gypsum wallboard applied at right angles to 2 x 10 wood joists 24" o.c. with 1 1/4" Type W or S drywall screws 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to joists with 1 1/4" Type W or S drywall screws 12" o.c. at joints and intermediate joints and 1 1/2" Type G drywall layer joints. Wood joists supporting 1/2" plywood with exterior glue applied at right angles to joists with 8d nails. Ceiling provides one hour fire resistance protection for framing, including trusses.

Approx. Ceiling Weight: 5 pcf  
 Fire Test: FM FC 172, 2-25-72; ITS, 8-8-98  
 Sound Test: Estimated

**1 HOUR FIRE RATED FLOOR AT CEILING**

**OWNER:** REGINA WALLACE / STEFFOND JONES  
 4254 SUZANNE DRIVE  
 PALO ALTO, CA. 94306

**DESIGN BY:** PACIFIC BLUE DEVELOPMENTS  
 Michael S. Radu  
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**REVISION:**  
 A PER CITY COMMENTS DATED 05/09/2024

**SECTIONS PLAN NOTES**

**DRAWN BY:** Michael S. Radu

**CHECKED BY:** PBD

**JOB NO.:** 23-07

**DATE:** 05/10/2024

**SCALE:** AS SHOWN

**SHEET:** A-5