

ROOF VENTILATION CALCULATIONS

I.T. ADDITION
(SEE ALSO SHEETS A3.14 & A4.14)

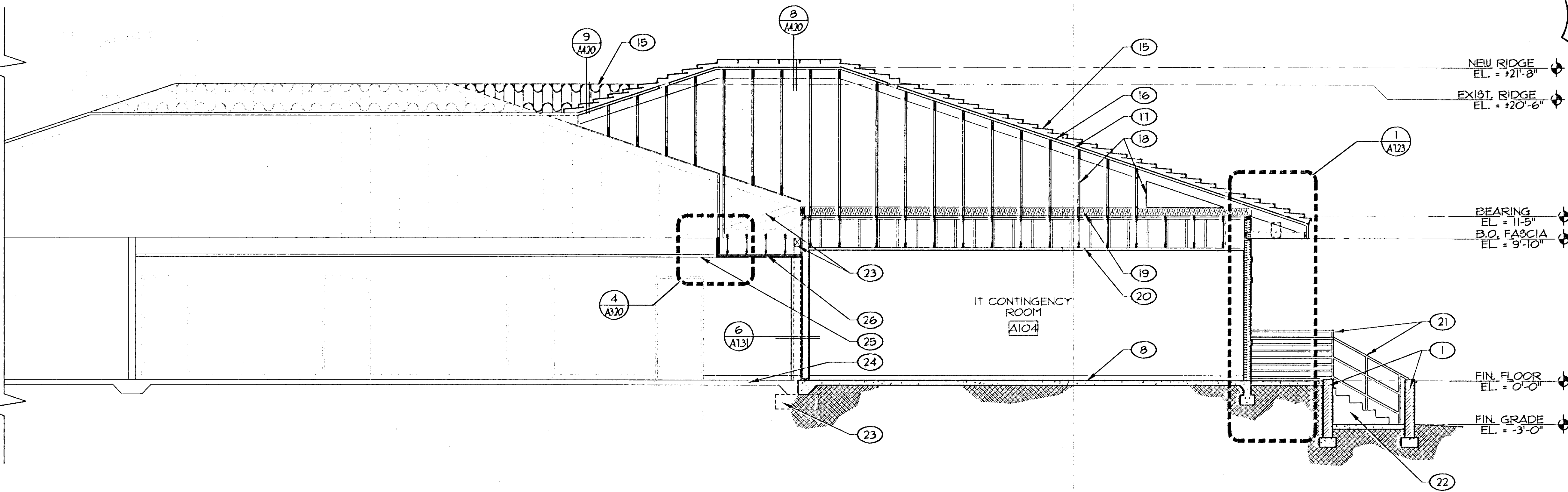
ATTIC FLOOR AREA : 2869 SF

NET FREE AREA REQUIRED : (PER UBC 1505.3.1) $1/300 \times 2869 \text{ SF} = 9.6 \text{ SF}$

SOFFIT VENT NET FREE AREA : (9 SQ.IN. PER LINEAR FOOT) $80'-0" \text{ OF SOFFIT VENT} \times 9 \text{ SQ.IN.} = 120 \text{ SQ.IN.} = 5 \text{ SF.}$

ROOF VENT NET FREE AREA : (100 SQ.IN. PER UNIT) $1 \text{ VENTS} \times 100 \text{ SQ.IN.} = 100 \text{ SQ.IN.} = 4.8 \text{ SF}$

1505.3 Ventilation Enclosed attic spaces and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate bay. A minimum of 1 inch of air space shall be provided between the insulation and the roof sheathing.



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

KEYNOTES
SHEETS A1.11 - A1.15, A1.23

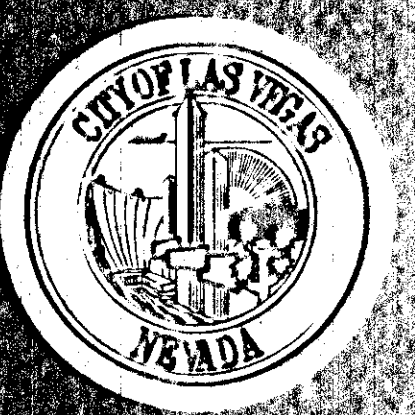
- 1 CMU WALL
- 2 STANDING SEAM METAL ROOF
- 3 STANDING SEAM FASCIA PANEL
- 4 GUTTER
- 5 DUCT, SEE MECH. DWGS.
- 6 STEEL JOIST, SEE STRUCT. DWGS.
- 7 OVERHEAD DOOR
- 8 CONCRETE FLOOR SLAB, SEE STRUCT. DWGS.
- 9 METAL DECK, SEE STRUCT. DWGS.
- 10 STEEL BEAM, SEE STRUCT. DWGS.
- 11 TUBE STEEL, SEE STRUCT. DWGS.
- 12 EVAPORATIVE COOLER, SEE MECH. DWGS.
- 13 SIDEWALL GIRT, SEE STRUCT. DWGS.
- 14 3" DIA. STEEL BOLLARD
- 15 CONCRETE ROOF TILE
- 16 #30 ROOF FELT
- 17 PLYWOOD SHEATHING
- 18 PREFABRICATED ROOF TRUSSES
- 19 R-19 BATT INSULATION
- 20 SUSPENDED ACOUSTICAL TILE SYSTEM
- 21 1-1/2" DIA PIPE RAIL, PTD. SEE A2.01 FOR COLOR
- 22 CONCRETE STAIRS
- 23 EXISTING STRUCTURE (SHOWN LIGHT)
- 24 EXISTING CONC. SLAB (SHOWN LIGHT)
- 25 EXISTING CEILING
- 26 SUSPENDED GYP. BD. SOFFIT
- 27 TOOLED NOBING, TYP.
- 28 METAL ROOF PANELS
- 29 METAL FASCIA PANEL, TO MATCH ROOF
- 30 PREFABRICATED STEEL FRAME, SEE STRUCT. DWGS.
- 31 PURLIN
- 32 TRENCH DRAIN
- 33 CONC. FOOTING, SEE STRUCT.
- 34 T8 6 x 6, PTD. COLOR B
- 35 T8 8 x 8, PTD. COLOR B
- 36 T8 6 x 2, PTD. COLOR B
- 37 T8 10 x 6, PTD. COLOR B
- 38 SQUARE CONC. PIER BELOW
- 39 2 x 8 WALL BELOW
- 40 GYP. BD. SOFFIT
- 41 ALUMINUM STOREFRONT SYSTEM
- 42 TAPERED RIGID INSULATION
- 43 SINGLE-PLY ROOFING
- 44 TJI ROOF JOIST, SEE STRUCT.
- 45 WOOD BEAM - SEE STRUCT.
- 46 A/C UNIT - SEE MECHANICAL
- 47 EXHAUST FAN - SEE MECH.
- 48 EXTERIOR CEMENT PLASTER
- 49 2x6 WOOD FRAMING
- 50 PREFABRICATED METAL WALL PANEL, INSULATED
- 51 DOWNSPOUT
- 52 CONC. LOADING DOCK, SEE STRUCT.
- 53 TRANSLUCENT ROOF PANEL BY BLDG. MANUFACTURER, SEE ROOF PLAN A1.12
- 54 BRACING, SEE STRUCT.
- 55 LIGHT FIXTURE
- 56 RAMP BEYOND

PLANS APPROVED
ARCHITECTURAL
Building & Safety Dept.
City of Las Vegas, Nevada

DATE: JAN 14 2003

Does Not Include Structural, Electrical, Plumbing/Mechanical or GR-Site Improvements Make No Change Without Approval Plan is Not a Permit to Violate Any Ordinance

RECEIVED
SEP 09 2002
CITY OF LAS VEGAS PERMITS



REVISION
1 08/30/02

CONSULTANT
TATE SNYDER KIMSEY ARCHITECTS
FOR THE CITY OF LAS VEGAS
1000 EAST STEWART AVENUE, SUITE 200
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 366-9108

CITY OF LAS VEGAS WEST SERVICE YARD
BUFFALO DRIVE AND PEAK ROAD
LAS VEGAS, NEVADA
BUILDING SECTIONS
IT CONTINGENCY ADDITION

STEPHEN C. [Signature]
NO. 4440
9/6/02
ARCHITECT
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

600 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 366-9108

DATE	DESCRIPTION
04/17/14	FILE
08/30/02	DATE
1/4" = 1'-0"	SCALE
02:534103	SID NO
101-V3543	CLY-CHE NO
	SHT NO

A7.14