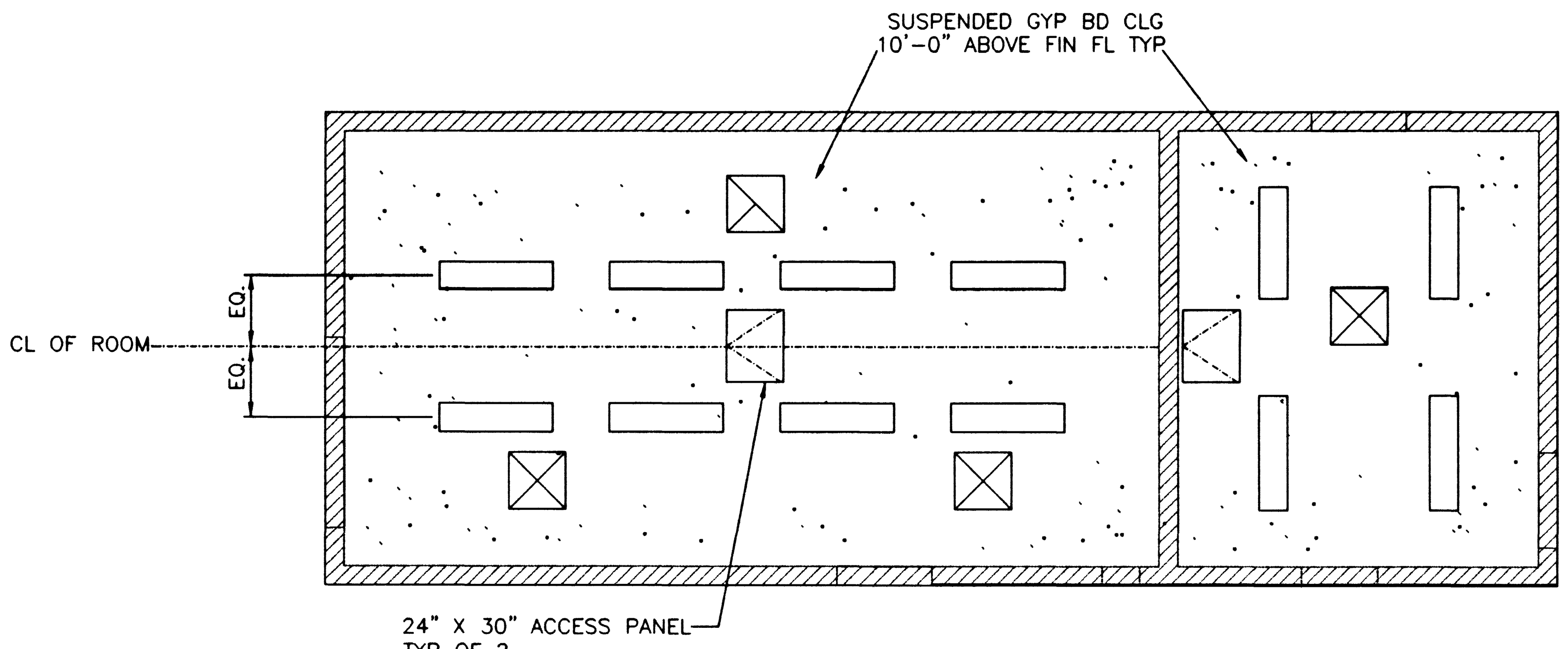
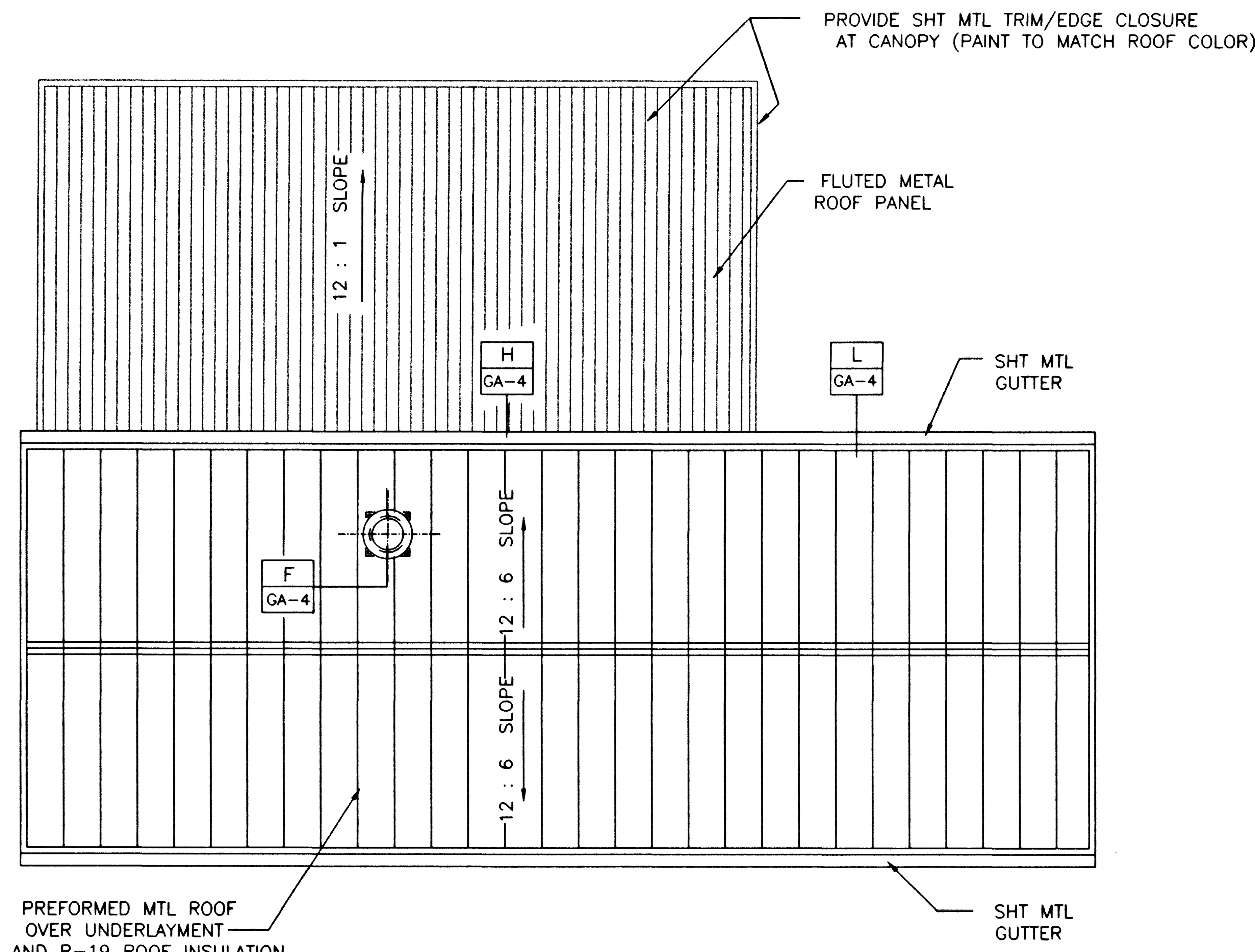


REFLECTED CEILING PLAN



ROOF PLAN

NOTES:

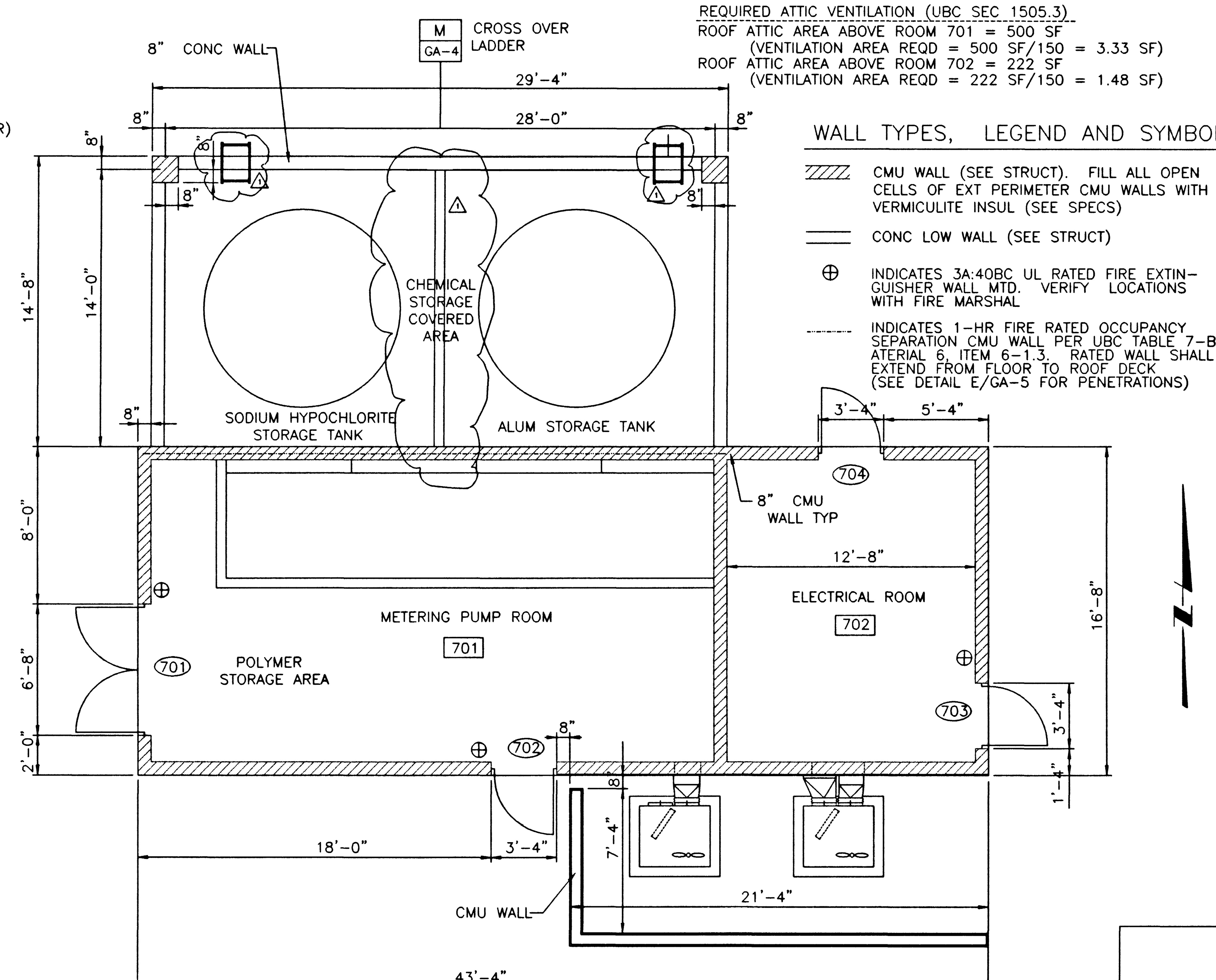
- FOR VENT PIPES, CONDUITS AND OTHER SMALL ROOF PENETRATIONS NOT SHOWN, FLEXIBLE PIPE FLASHIING SHALL BE PROVIDED AT ALL PENETRATIONS UNLESS INDICATED OTHERWISE.

LEGEND

- SUPPLY AIR DIFFUSER
- EXHAUST AIR GRILLE
- 1'-0" X 4'-0" RECESSED MTD. FLUORESCENT LIGHT FIXTURE

NOTES:

- SEE STRUCT FOR CURBS, EQUIP PADS, TRENCHES, PLATFORMS AND RAILINGS NOT SHOWN
- SEE MECH & ELEC FOR EQUIP, PIPING & DRAINS NOT SHOWN
- SEE ELEC FOR H-7 OCCUPANCY EMERGENCY LIGHTING BACK-UP REQUIREMENTS



FLOOR PLAN

BUILDING DATA

BUILDING CODE: UNIFORM BUILDING CODE 1994 EDITION (UBC)

OCCUPANCY: F-2 THROUGH OUT UNLESS SHOWN OTHERWISE
H-7 IN CHEMICAL STORAGE COVERED AREA

BUILDING HEIGHT: 17'-4" MAX (SINGLE STORY)

BUILDING FLOOR AREA:

F-2 OCCUPANCY (ROOMS 701 & 702)	722 SF
H-7 OCCUPANCY (CHEMICAL STORAGE COVERED AREA)	430 SF
GROSS FLOOR AREA:	1152 SF

CONSTRUCTION TYPE: II-N

AUTOMATIC FIRE SPRINKLERS: SHALL BE PROVIDED IN CHEMICAL STORAGE COVERED AREA (430 SF)

ALLOWABLE FLOOR AREA CALCULATIONS:
(UBC 1994, SEC 504, 505 & TABLE 5-B)

	BASIC ALLOWABLE FLOOR AREA	ACTUAL FLOOR AREA	RATIO OF ACTUAL/ ALLOWABLE
F-2 OCCUPANCY	18000 SF	722 SF	0.040
H-7 OCCUPANCY	12000 SF	430 SF	0.036
TOTAL		1152 SF	0.076 (LESS THAN ONE)

REQUIRED ATTIC VENTILATION (UBC SEC 1505.3)
ROOF ATTIC AREA ABOVE ROOM 701 = 500 SF
(VENTILATION AREA REQD = 500 SF/150 = 3.33 SF)
ROOF ATTIC AREA ABOVE ROOM 702 = 222 SF
(VENTILATION AREA REQD = 222 SF/150 = 1.48 SF)

WALL TYPES, LEGEND AND SYMBOLS

- CMU WALL (SEE STRUCT). FILL ALL OPEN CELLS OF EXT PERIMETER CMU WALLS WITH VERMICULITE INSUL (SEE SPECS)
- CONC LOW WALL (SEE STRUCT)
- ⊕ INDICATES 3A:40BC UL RATED FIRE EXTIN-GUISHER WALL MTD. VERIFY LOCATIONS WITH FIRE MARSHAL
- INDICATES 1-HR FIRE RATED OCCUPANCY SEPARATION CMU WALL PER UBC TABLE 7-B, ATERIAL 6, ITEM 6-1.3. RATED WALL SHALL EXTEND FROM FLOOR TO ROOF DECK (SEE DETAIL E/GA-5 FOR PENETRATIONS)

AS BUILT
DATE
2 10 APR 99

THE ORIGINAL CONTRACT DOCUMENT WAS SEALED AND SIGNED BY WILLIAM H. BRUMM

REV	DATE	BY	DESCRIPTION

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

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED A. ELHADARY
DRAWN P. WANG
CHECKED W. BRUMM

SUBMITTED THE ORIGINAL CONTRACT DOCUMENT WAS SIGNED BY SATISH KAMATH
PROJECT ENGINEER R. C. E. NO. DATE
RECOMMENDED THE ORIGINAL CONTRACT DOCUMENT WAS SIGNED BY WILLIAM H. BRUMM
MONTGOMERY WATSON R. C. E. NO. DATE

MONTGOMERY WATSON
Las Vegas, Nevada

MONTGOMERY WATSON
3014 WEST CHARLESTON BLVD
LAS VEGAS, NV. 89102-1944
(702) 878-8010

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CITY OF LAS VEGAS
BONANZA/MOJAVE WATER RESOURCE CENTER
CHEMICAL BUILDING
FLOOR PLAN AND ROOF PLAN 513-64

DWG. 32
7A-1

DATE/TIME dd-mmm-yyyy hh:mm
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