C-241-02

TATE SNYDER KIMSEY ARCHITECTS

October 21, 2003

City of Las Vegas
Department of Building and Safety
731 S. Fourth Street,
Las Vegas, NV 89101-6918

CLV

570816

ARCHITECTURAL PLANS MODIFICATION

City of Las Vegas Project #: C-241-02
Project Description: CLV West Service Yard Maintenance, 2880 Ronemus Dr.

Plans Examiner: Mike Hazard

Dear Mr. Hazard:

The following is a modification to the previously approved drawings for this project:

Wall Types – Sheet A2.30

1. Delta #8 change to Partition Type G' includes an alternate head of wall detail. This firestopping detail is based on UL Assembly #HW-D-0081. We are proposing this detail to provide occupancy separation to the underside of deck. The UL Assembly #HW-D-0081 has not been copied onto this sheet because we do not have a rated floor/ceiling or roof assembly above the deck.

   This solution has been proposed in lieu of using a rated ceiling assembly below to provide occupancy separation.

Please call our office if there are any comments or questions.

Sincerely,

Stephen C. Ranck, A.I.A.

Cc: Pat Batte, C.L.V. O.A.S.

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CITY OF LAS VEGAS PERMITS

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tel 775.857.2949 350 South Center Street Suite 330
fax 775.857.2403 Reno Nevada 89501

JOINT SYSTEMS (XHBN) 1217

1A. Roof Assembly — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
   A. Steel Roof Deck — Max 3 in. deep galv steel fluted roof deck.
   B. Roof Insulation — Min 2-1/4 in. thick poured insulating concrete, as measured from the top plane of the floor units.
2. Wall Assembly — Min 5 in. thick steel reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of an UL Classified Concrete Blocks*.
   See Concrete Block (CAZT) category in the Fire Resistance Directory for names of manufacturers.
3. Joint System — Max separation between bottom of floor or roof and top of wall is 3/4 in. The joint system is designed to accommodate a max 33 percent compression or extension from its installed width. The joint system consists of a packing material and a fill material between the top of the wall and the bottom of the floor or roof, as follows:
   A. Forming Material — Min 4 in. thickness of 4 pcf density mineral wool batt insulation was cut to the shape of the fluted deck, approximately 20 percent larger than the area of the flutes and compressed into the flutes of the steel deck above the wall assembly. The forming material shall be recessed 1/2 in. from each side of the wall. Additional pieces of forming material, compressed min 50 percent in thickness and installed edge first into joint opening between bottom of steel deck and top of wall, parallel with joint direction. Compressed batt sections recessed 1/2 in. from both wall surfaces. Adjoining lengths of batt to be tightly butted with butted seams spaced min 48 in. apart along the length of the joint.
   FIBREX INSULATIONS INC – FBX Safing Insulation
   A1. Forming Material*—Plugs — (Optional-Not Shown). Preformed mineral wool plugs, formed to the shape of the fluted deck, friction fit to completely fill the flutes. The plugs shall be recessed 1/2 in. from both wall surfaces. Additional forming material, described in Item 3A, to be used in conjunction with the plugs to fill the gap between the top of the wall and bottom of steel deck.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC – CP777 Speed Plugs
   B. Fill, Void or Cavity Material* - Sealant — Min 1/2 in. thickness of fill material installed on each side of the wall in the flutes of the steel deck and between the top of the wall and the bottom of the steel deck, flush with each surface of the wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC – CP606 Flexible Firestop Sealant

*Bearing the UL Classification Mark

...cessed ...terial, ...in the plugs to ...ottom of steel deck. ...ALS, DIV OF

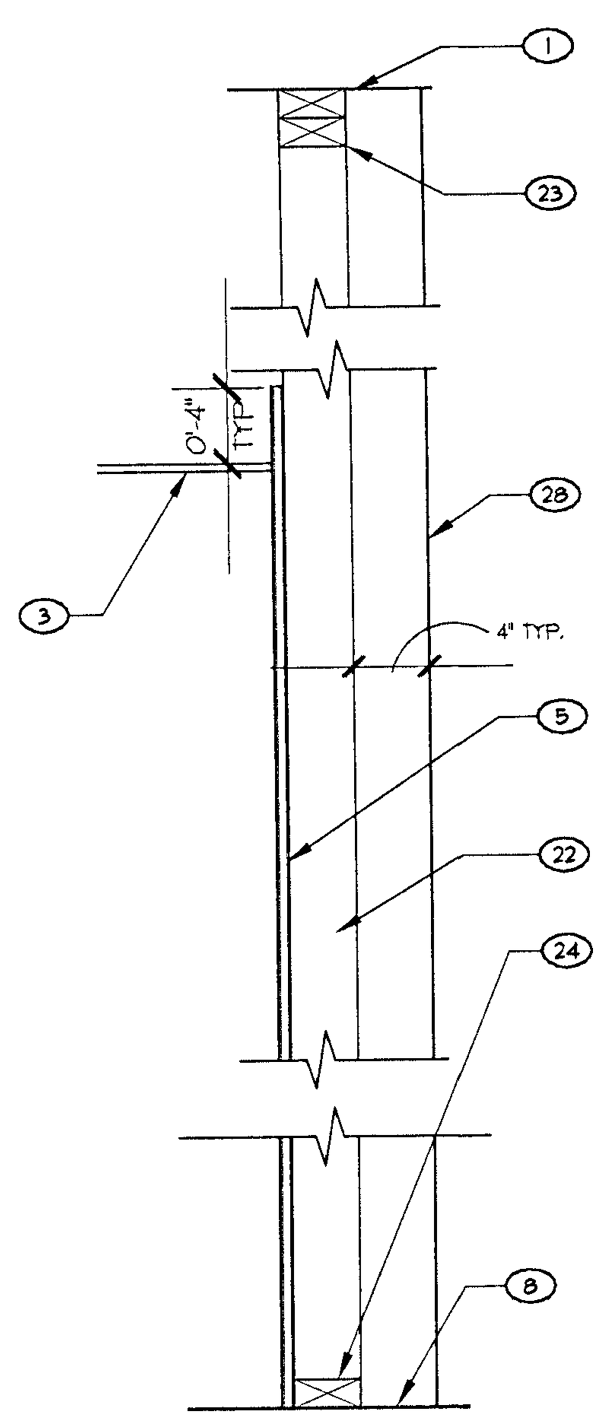
...gs ...sealant — Min 1/4 in. thickness ...each side of the wall in the flutes of ...ween the top of the wall and the bottom of ...n with each surface of the wall. ...CONSTRUCTION CHEMICALS, DIV OF ...TI INC – CP601S Elastomeric Firestop Sealant ...UL Classification Mark

System No. HW-D-0081
Assembly Rating — 2 Hr
Nominal Joint Width — 3/4 In.
Class II Movement Capabilities — 33% Compression or Extension

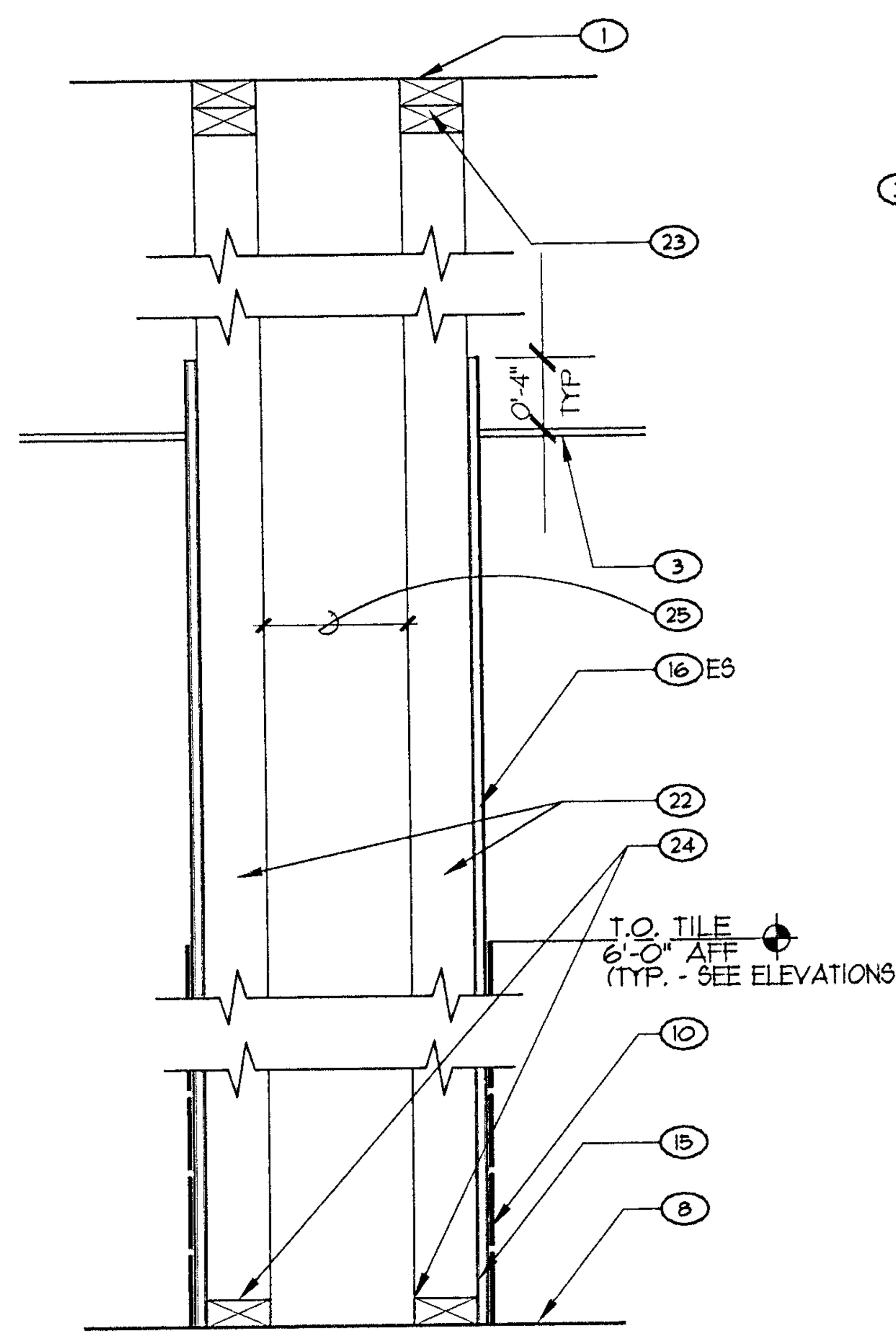
SECTION A-A

1. Floor Assembly — The fire-rated fluted steel floor unit concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Floor-Ceiling Design in the Fire Resistance Directory and shall include the following construction features:
   A. Steel Floor and Form Units* — Max 3 in. deep galv steel fluted floor units.
   B. Concrete — Min 2-1/2 in. thick reinforced concrete, as measured from the top plane of the floor units.

LOOK FOR THE UL



PARTITION TYPE H
SCALE: 1½"=1'-0"



PARTITION TYPE F
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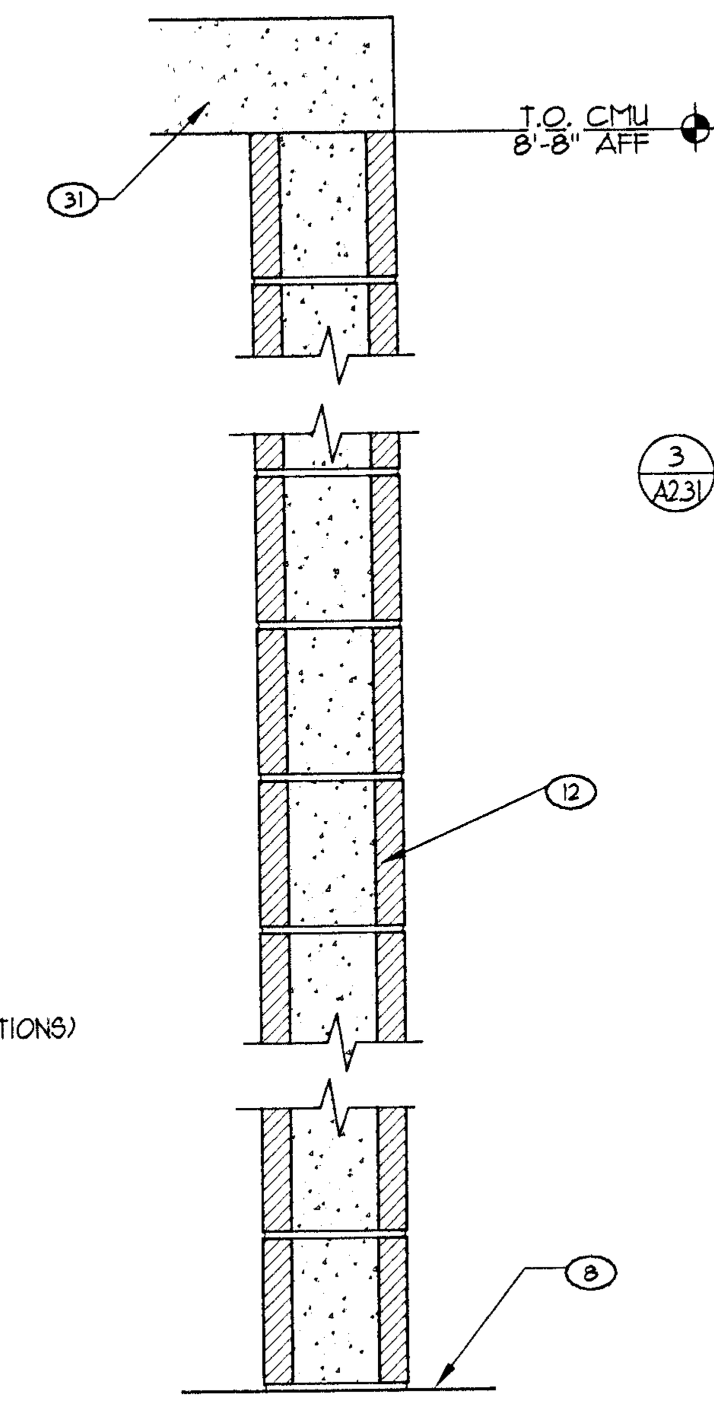
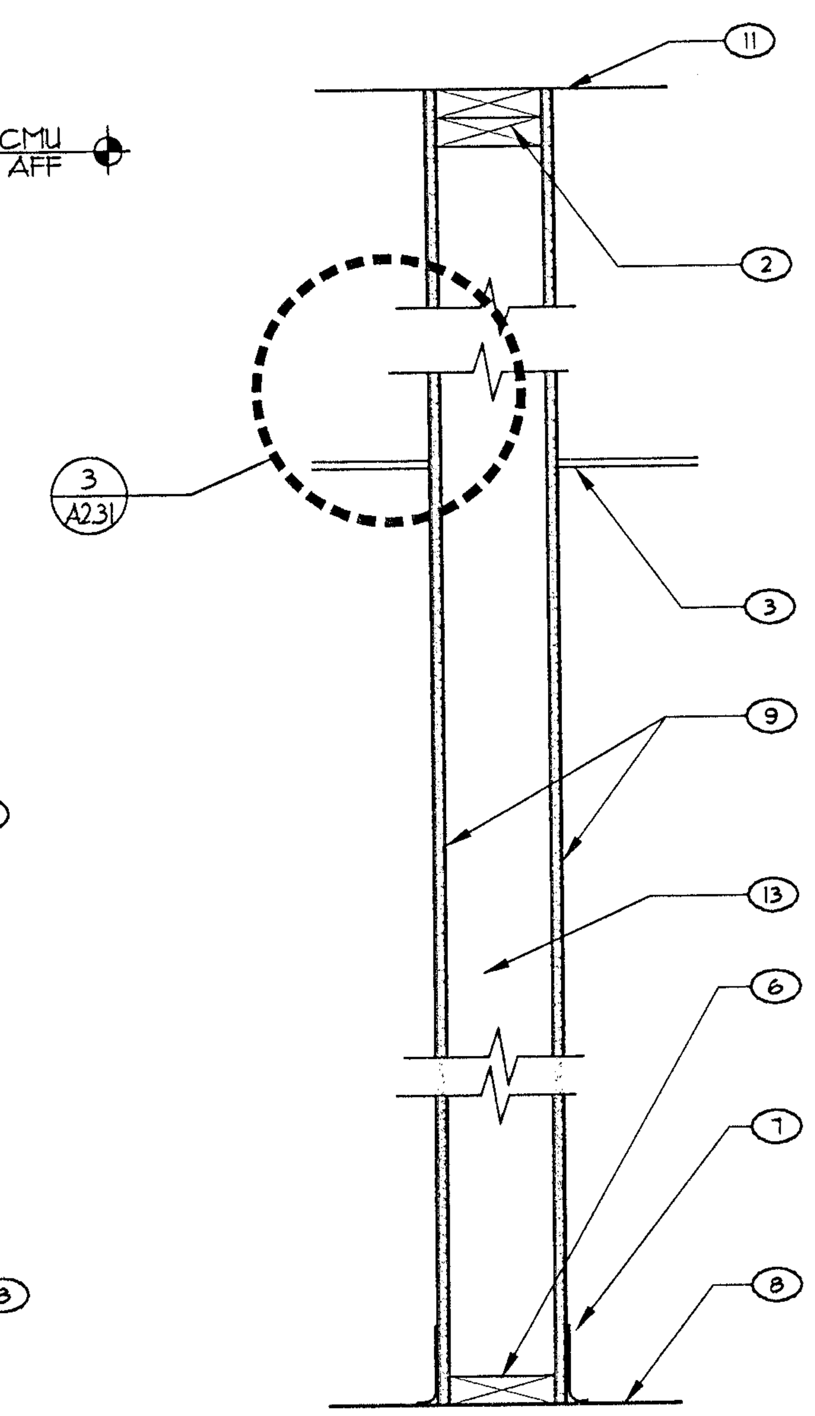


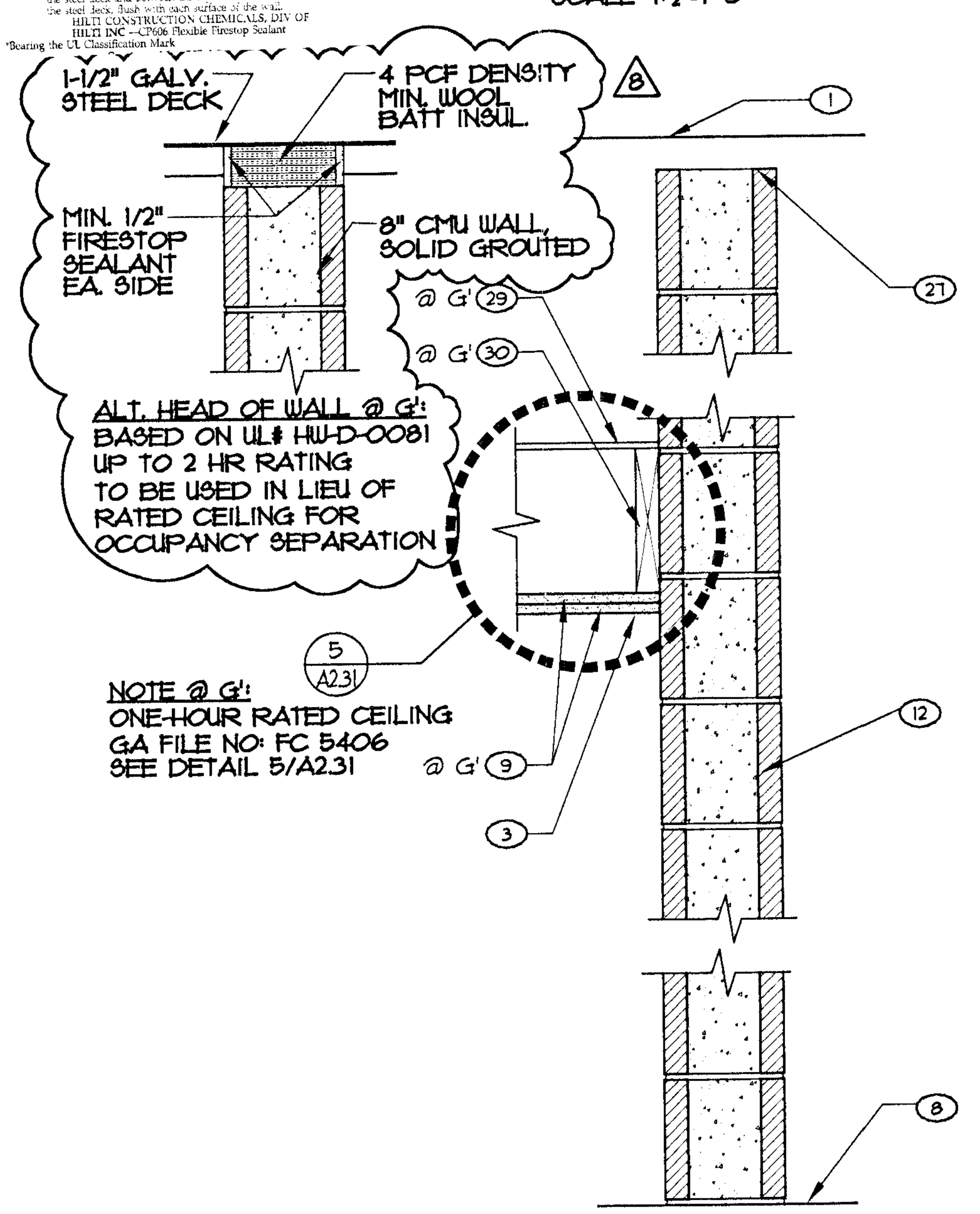
UL DESIGN # U905
NOTE: ONE-HOUR RATED PARTITION
SEE DETAIL 2 / A2.31

PARTITION TYPE D
SCALE: 1½"=1'-0"



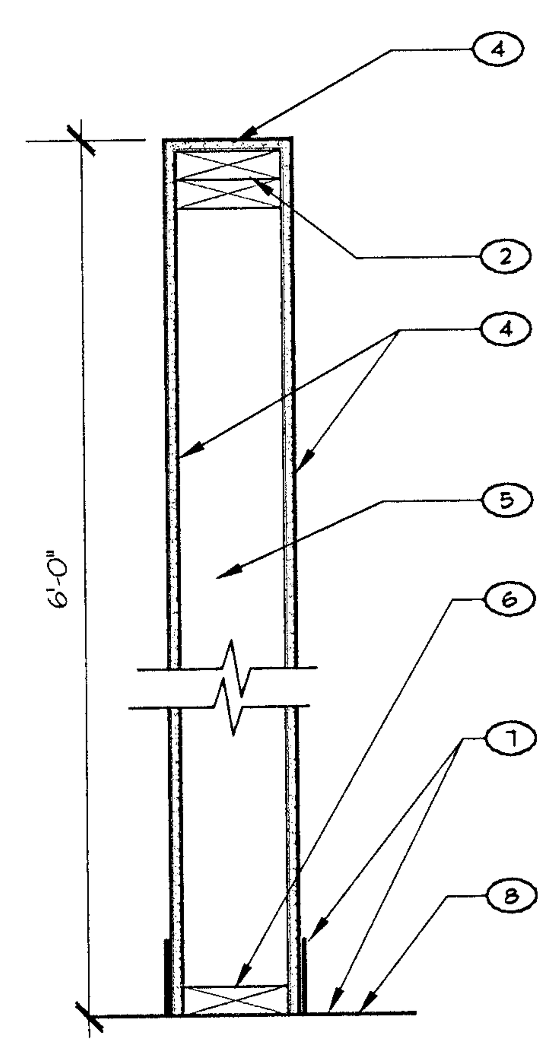
UL DESIGN # U305
NOTE: ONE-HOUR RATED PARTITION
SEE DETAIL 1 / A2.31

PARTITION TYPE B
SCALE: 1½"=1'-0"

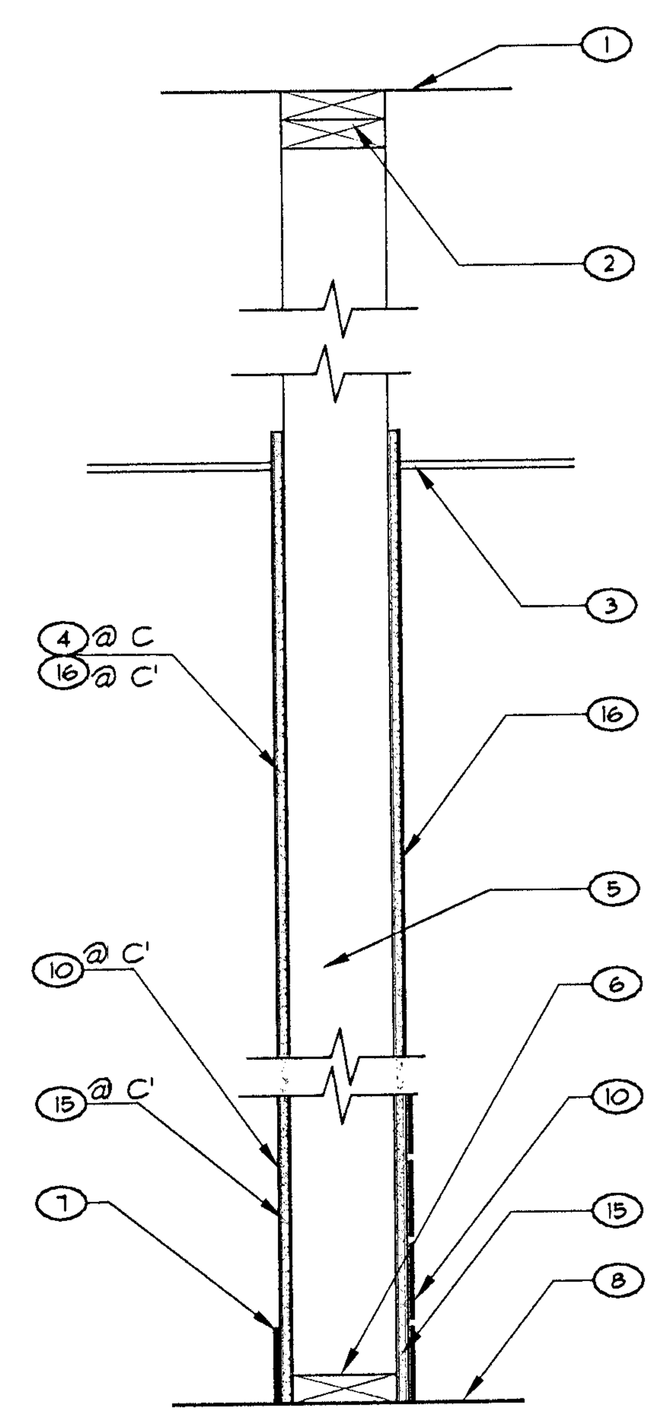


UL DESIGN # U905
NOTE: ONE-HOUR RATED PARTITION
SEE DETAIL 2/A2.31

PARTITION TYPE G G'
SCALE: 1½"=1'-0"



PARTITION TYPE E
SCALE: 1½"=1'-0"



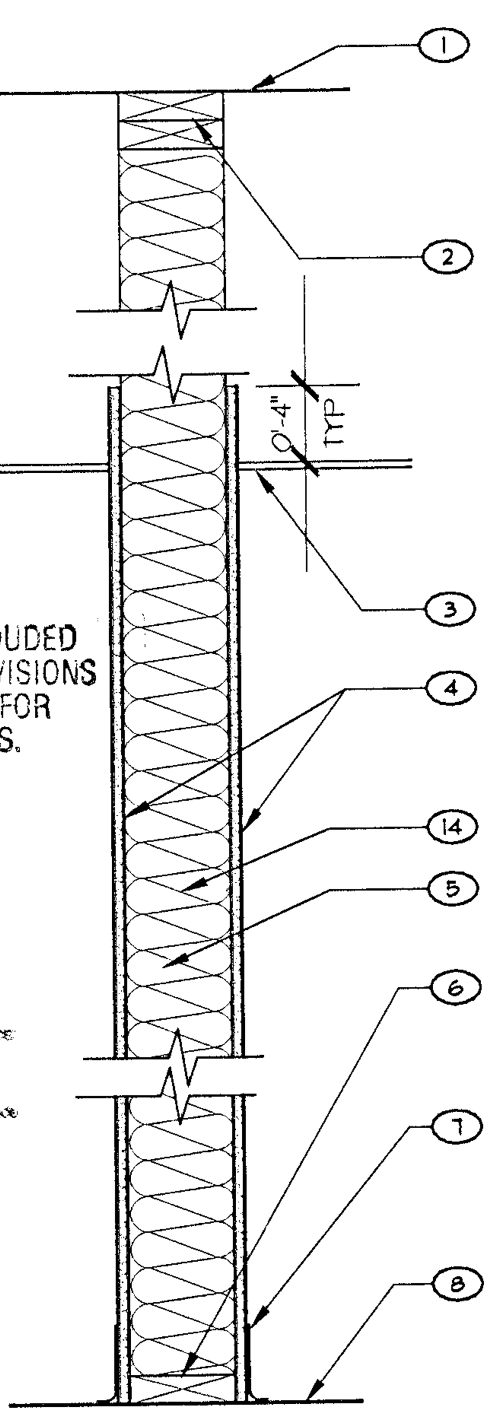
PARTITION TYPE C C'
SCALE: 1½"=1'-0"

APPROVAL IS FOR CLOUDED AREAS OR LATEST REVISIONS ONLY. SEE ORIGINALS FOR OTHER REQUIREMENTS.

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

MJH OCT 2 3 2003

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



PARTITION TYPE A
SCALE: 1½"=1'-0"

KEYNOTES (X)

SHEET A2.30

1	UNDERSIDE OF STRUCTURE
2	2 x 6 DOUBLE TOP PLATE
3	FOR CEILING HEIGHT AND TYPE, SEE ROOM FINISH SCHEDULE, A2.01
4	5/8" GYPSUM BOARD
5	2 x 6 WOOD FRAMING SEE STRUCT. DWGS.
6	2 x 6 SOLE PLATE
7	FOR FLOOR FINISH AND BASE, SEE ROOM FINISH SCHEDULE, A2.01
8	CONCRETE FLOOR SLAB
9	5/8" TYPE "X" GYPSUM BOARD
10	CERAMIC TILE, SEE ELEVATIONS, A1.21 & A1.22, FOR SIZE AND LOCATION
11	UNDERSIDE OF ROOF DECK, HEIGHT VARIES
12	8" x 8" x 16" STANDARD-FACE CONCRETE BLOCK - RUNNING BOND W/ SMOOTH JOINTS, GROUT SOLID. SEE STRUCTURAL DWGS. FOR REINFORCING
13	2 x 6 STUDS @ 16" O.C., FIRESTOPPED
14	ACOUSTICAL BATT INSULATION
15	5/8" BACKER BD. AT ALL CERAMIC TILE LOCATIONS. SEE INTERIOR ELEVATIONS, A1.21 & A1.22
16	5/8" MOISTURE-RESISTANT GYPSUM BOARD ABOVE ALL TILE WAINSCOTS
17	BATT INSULATION
18	3/8" PLYWOOD SHEATHING
19	3/4" EXTERIOR CEMENT PLASTER OVER METAL LATH
20	PLASTER SCREED
21	SEALANT
22	2 x 4 WOOD STUDS, SEE STRUCTURAL DRAWINGS FOR SPACING
23	2 x 4 DOUBLE TOP PLATE
24	2 x 4 SOLE PLATE
25	SEE FLOOR PLAN FOR SPACING
26	PREFABRICATED WALL PANEL, ATTACHED ABOVE SEE 1/A7.12 FOR FULL WALL
27	TOP OF CMU AT 17'4" AFF UNLESS OTHERWISE NOTED
28	FACE OF ADJACENT CMU PARTITION
29	1/2" PLYWOOD
30	2 X 10 JOISTS @ 24" O.C.
31	6" CONCRETE SLAB CEILING ONE-HOUR RATED PER UBC TABLE 7-C, ITEM 2-1.1, SEE DETAIL 4/A2.31 FOR PENETRATION

THESE PLANS WERE CHECKED UNDER THE 1997 UBC, 2000 UPC AND UMC, AND THE 2002 NEC

570816

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CITY OF LAS VEGAS NEVADA

DEPARTMENT OF PUBLIC WORKS

REVISIONS
1 8.30.02
2 10.16.02
3 01.22.03
5 03.14.03
8 10.21.03

CONSULTANT
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CITY OF LAS VEGAS WEST SERVICE YARD
BUFFALO DRIVE AND PEAK ROAD
LAS VEGAS, NEVADA
PARTITION AND WALL TYPES

CLV

STAMP
STEPHEN C. RANCK NO. 4440 ARCHITECT STATE OF NEVADA 10/21/03

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

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TDD: (702) 386-9108

DRAWN	WFE
FILE	047A230
DATE	03.14.03
SCALE	1-1/2" = 1'-0"
BID NO	02.15341.09
CLV DWG NO	107-V3548
SHT NO	A2.30

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