

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

FIRE ALARM CODE EVALUATION

THE FIRE ALARM SYSTEM HAS BEEN EVALUATED AS FOLLOWS:  
2009 IBC  
2009 IFC  
2010 NFPA 72  
2009 NFPA 101  
2009 EDITION OF THE DEPARTMENT OF VETERAN AFFAIRS  
FIRE PROTECTION DESIGN MANUAL

ROOM SPACING FOR WALL MOUNTED VISIBLE APPLIANCES

MINIMUM REQUIRED LIGHT OUTPUT (EFFECTIVE INTENSITY) (CD)			
MAX. ROOM SIZE	ONE LIGHT PER ROOM	TWO LIGHTS PER ROOM (LOCATED ON OPPOSITE WALL)	FOUR LIGHTS PER ROOM (ONE LIGHT PER WALL)
20 x 20	15	NA	NA
28 x 28	30	UNKNOWN	UNKNOWN
30 x 30	34	15	NA
40 x 40	60	30	15
45 x 45	75	UNKNOWN	UNKNOWN
50 x 50	94	60	30
54 x 54	110	UNKNOWN	UNKNOWN
60 x 60	135	95	30
70 x 70	184	95	60
80 x 80	240	135	60
90 x 90	304	185	95
100 x 100	375	240	95
110 x 110	455	240	135
120 x 120	540	305	135
130 x 130	635	375	185

ROOM SPACING FOR CEILING MOUNTED VISIBLE APPLIANCES

MAX. ROOM SIZE	MAX. CEILING HEIGHT	MINIMUM REQUIRED LIGHT OUTPUT (EFFECTIVE INTENSITY) ONE LIGHT (CD)
20 x 20	10	15
30 x 30	10	30
40 x 40	10	60
50 x 50	10	95
20 x 20	20	30
30 x 30	20	45
40 x 40	20	80
50 x 50	20	115
20 x 20	30	55
30 x 30	30	75
40 x 40	30	115
50 x 50	30	150

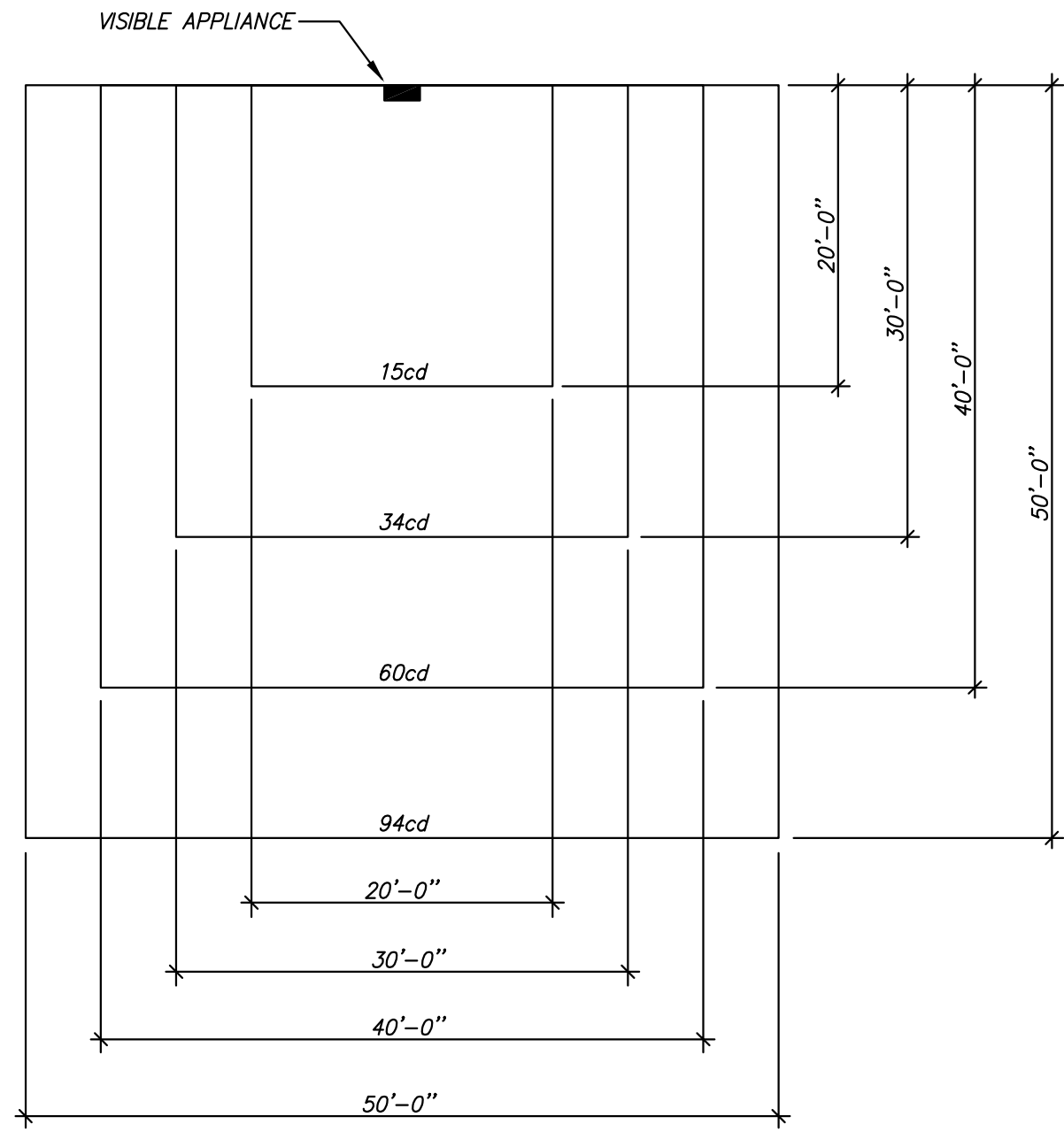
CORRIDOR SPACING FOR VISIBLE APPLIANCES

FEET	MINIMUM NUMBER OF 15 CD VISIBLE APPLIANCES REQUIRED
0 - 30	1
31 - 130	2
131 - 230	3
231 - 330	4
331 - 430	5
431 - 530	6

- NOTES:  
1. THE TABLES AND FIGURES ARE BASED ON NFPA 72-7.5  
2. THE ITEMS LISTED ABOVE ARE FOR PURPOSES OF ADJUSTING  
DEVICES IN THE FIELD TO AVOID EXISTING CONDITIONS.

1 DEVICE LOCATION AND SPACING REQUIREMENTS

SCALE: NONE



2 ROOM SPACING FOR WALL MOUNTED VISIBLE APPLIANCE

SCALE: NONE

ASBESTOS NOTES

ITEM	DESCRIPTION
1	BUILDING MATERIALS THAT MAY BE DISTURBED DURING THE COURSE OF CONSTRUCTION AND/OR DEMOLITION HAVE BEEN TESTED FOR THE PRESENCE OF ASBESTOS. THESE MATERIALS HAVE BEEN IDENTIFIED AS ASBESTOS CONTAINING OR NON-ASBESTOS CONTAINING IN THE BUILDING MATERIAL DISTURBANCE PERMIT BY THE MANAGEMENT PLANNER. THIS PERMIT SHALL BE REFERRED TO BEFORE ANY WORK COMMENCES.
2	ALL ASBESTOS CONTAINING MATERIAL SHALL BE HANDLED BY CONTRACTORS AND/OR INDIVIDUALS TRAINED AND CERTIFIED IN THE REMOVAL OF ASBESTOS CONTAINING BUILDING MATERIAL (SEE BUILDING MATERIAL DISTURBANCE PERMIT). NO ASBESTOS CONTAINING MATERIAL SHALL BE DISTURBED PRIOR TO AUTHORIZATION FROM THE OWNER.
3	IF ANY MATERIAL IS ENCOUNTERED OR DISTURBED THAT IS NOT LISTED ON THIS PERMIT, IT SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE MANAGEMENT PLANNER FOR THE STATE OF NEVADA PUBLIC WORKS BOARD BEFORE ANY WORK CONTINUES THAT MIGHT DISTURB THIS MATERIAL.
4	IF ANY BUILDING MATERIAL WHICH CONTAINS ASBESTOS IS KNOWINGLY DISTURBED, IT SHALL BE THE CONTRACTOR'S FULL FINANCIAL RESPONSIBILITY FOR ANY RESULTING CONTAMINATION CLEANUP OR REPLACEMENT OF AFFECTED EQUIPMENT, MATERIALS, ETC, AND ANY LEGAL ACTION THAT MAY RESULT FROM AN ASBESTOS FIBER RELEASE INCIDENT CAUSED BY THE CONTRACTOR DUE TO AN UNAUTHORIZED OR IMPROPER DISTURBANCE OF ASBESTOS CONTAINING MATERIALS.
5	THE CONTRACTOR SHALL CAREFULLY COMPLY WITH ALL ITEMS OF THE BUILDING MATERIALS DISTURBANCE PERMIT AND SHALL REVIEW THE PERMIT AND BECOME FAMILIAR WITH ITS CONTENTS PRIOR TO BID PREPARATION AND ANY CONSTRUCTION. THE PERMIT, AS WELL AS THE ASBESTOS HAZARD EMERGENCY RESPONSE ACT (AHERA) MANAGEMENT PLAN, ARE HEREBY MADE A PART OF THIS DRAWING AND CONTRACT TO THE SAME EXTENT AS IF BOUND HEREIN AND SHALL APPLY TO ALL CONTRACTORS AND SUBCONTRACTORS.

FIRE ALARM SYSTEM NOTES AND DETAILS

CONSULTANTS:

ARTINEERING

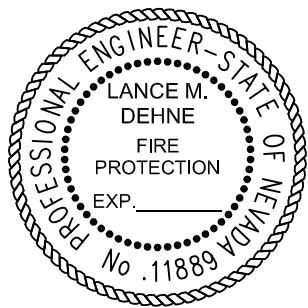
LANCE DEHNE, P.E.

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SEAL:



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Drawing Title: CODE ANALYSIS, SPACING LEGEND, ASBESTOS NOTE

Approved: Project Director

Project Title  
VA SIERRA NEVADA HEALTH CARE  
SYSTEM - CANTEEN RELOCATION  
DESIGN - , RENO, NEVADA

Location  
975 KIRMAN AVE., RENO, NEVADA 89502

Date  
06 JAN 2012

Checked  
LMD

Drawn  
ART

Project Number  
654-11-227

Building Number  
1

Drawing Number  
FP3.0

Dwg 3 of 3

Office of  
Construction  
and Facilities  
Management



Department of  
Veterans Affairs

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