ABBREVIATIONS

ACOUS.	Acoustical	GA.	Gauge	SHT.	Sheet
A.D.	Area Drain	GALV.	Galvanized	SIM.	Similar
ADJ.	Adjustable	G.B.	Grab Bar	S.N.D.	Sanitary Napkin Dispenser
AGGR.	Aggregate	GL.	Glass	SPEC.	Specification
AL.	Aluminum	GND.	Ground	SQ.	Square
APPROX.	Approximate	GR.	Grade	SST.	Stainless steel
ARCH.	Architectural	GYP.	Gypsum	S.SK.	Service Sink
ASPH.	Asphalt			STA.	Station
A.V.	Audio/Visual	H.B.	Hose Bibb	STD.	Standard
		H.C.	Hollow Core	STL.	Steel
BD.	Board	HDWD.	Hardwood	STOR.	Storage
BITUM.	Bituminous	HDWE	Hardware	STRL.	Structural
BLDG.	Building	H.M.	Hollow Metal	SUSP.	Suspended
BLK.	Block	HORIZ.	Horizontal	SYM.	Symmetrical
BLK'G.	Blocking	HR.	Hour		
BM.	Beam	HGT.	Height		
BOT.	Bottom			TRD.	Tread
		I.D.	Inside Diameter (Dim)	T.B.	Towel Bar
CAB.	Cabinet	INSUL.	Insulation	T.C.	Top of Curb
C.B.	Catch Basin	INT.	Interior	TEL.	Telephone
CEM.	Cement			TER.	Terrazzo
CERM.	Ceramic	JAN.	Janitor	T.&G.	Tongue and Groove
C.G.	Corner Guard	JT.	Joint	THK.	Thick
C.I.	Cast Iron			T.P.	Top of Pavement
C.J.	Control Joint	KIT.	Kitchen	T.P.D.	Toilet Paper Dispenser
CLG.	Ceiling			T.V.	Television
CLK'G.	Caulking	LAB.	Laboratory	T.O.W.	Top of Wall
CLO.	Closet	LAM.	Laminate	TYP.	Typical
CLR.	Clear	LAV.	Lavatory		
C.M.U.	Concrete Masonry Unit	LKR.	Locker	UNF.	Unfinished
COL.	Column	LT.	Light	U.O.N.	Unless Otherwise Noted
CONC.	Concrete			UR.	Urinal
CONN.	Connection	MAX.	Maximum		
C.F.C.I.	Contractor Furnished Contractor Installed	MC.	Medicine Cabinet	VAR.	Varies
		MECH.	Mechanical	V.B.	Vapor Barriers
C.F.O.I.	Contractor Furnished Owner Installed	MEMB.	Membrane	V.C.G.	Vinyl Corner Guard
		MTL.	Metal	VERT.	Vertical
CONST.	Construction	MFGR.	Manufacturer	VEST.	Vestibule
CONT.	Continuous	MH.	Manhole	V.T.	Vinyl Tile
CORR.	Corridor	MIN.	Minimum		
CPT.	Carpet	MIR.	Mirror	W.	West
CT.	Cash Rail and Cold-Rolled	MISC.	Miscellaneous	W/	With
CTSK.	Countersunk	M.O.	Masonry Opening	W.C.	Water Closet
CNTR.	Counter	MTD.	Mounted	WD.	Wood
CTR.	Center	MUL.	Mullion	W/O	Without
CT.	Ceramic Tile			WP.	Waterproof
		N.	North	WSCT.	Wainscot
DBL.	Double	N.I.C.	Not In Contract	WT.	Weight
DEPT.	Department	NO. or #	Number		
D.F.	Drinking Fountain	NOM.	Nominal	&	And
DET.	Detail	N.T.S.	Not To Scale	@	At
DIA.	Diameter			℄	Centerline
DIM.	Dimension	O.A.	Overall	Ø	Diameter or Round
DISP.	Dispenser	OBS.	Obscure	#	Pound or Number
DN.	Down	O.C.	On Center		
D.O.	Door Opening	O.D.	Outside Diameter (Dim)		
DR.	Door	O.F.C.I.	Owner Furnished Contractor Installed		
DS.	Downspout	O.F.O.I.	Owner Furnished Owner Installed		
D.S.P.	Dry Standpipe				
DWG.	Drawing	OFF.	Office		
DWR.	Drawer	OPNG.	Opening		
		OPP.	Opposite		
E.	East	O.R.D.	Overflow Roof Drain		
EA.	Each				
E.J.	Expansion Joint	PRCST.	Precast		
E.I.F.S.	Exterior Insulation Finish System	PL.	Plate		
ELEV.	Elevation	P.LAM.	Plastic Laminate		
ELEC.	Electrical	PLAS.	Plaster		
EMER.	Emergency	PLYWD.	Plywood		
ENCL.	Enclosure	PR.	Pair		
E.P.	Electrical Panelboard	PT.	Point		
E.P.D.M.	Single Ply Roof Membrane	P.T.D.	Paper Towel Dispenser		
EQ.	Equal	P.T.D./R	Combination Paper Towel Dispenser and Receptacle		
EQUIP.	Equipment				
E.W.C.	Electric Water Cooler	PTN.	Partition		
EXIST.	Existing Exposed	P.T.R.	Paper Towel Receptacle		
EXP.	Expansion				
EXT.	Exterior	Q.T.	Quarry Tile		
		R.	Riser		
F.A.	Fire Alarm	RAD.	Radius		
F.B.	Flat Bar	R.D.	Roof Drain		
F.D.	Floor Drain	REF.	Reference		
FDN.	Foundation	REFR.	Refrigerator		
F.E.	Fire Extinguisher	REGTR.	Register		
F.E.C.	Fire Extinguisher Cab.	REINF.	Reinforce		
F.H.C.	Fire Hose Cabinet	REQD.	Required		
FIN.	Finish	RESIL.	Resilient		
FLR.	Floor	RM.	Room		
FLASH.	Flashing	R.O.	Rough Opening		
FLUOR.	Fluorescent	RWD.	Redwood		
F.O.C.	Face of Concrete	R.W.L.	Rain Water Leader		
F.O.F.	Face of Finish				
F.O.S.	Face of Stude	S.	South		
FPRF.	Fireproof	S.C.	Solid Core		
F.S.	Full Size	S.C.D.	Seat Cover Dispenser		
FT.	Foot or Feet	SCHED.	Schedule		
FTG.	Footing	S.D.	Soap Dispenser		
FURR.	Furring	SECT.	Section		
FUT.	Future	SHL.	Shelf		
F.V.	Field Verify	SHR.	Shower		

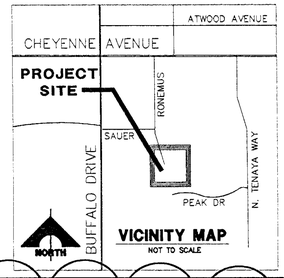
MATERIALS LEGEND

EARTH
FINISH WOOD
CONCRETE
ROUGH WOOD
MASONRY
BLOCKING
STEEL
BATT INSULATION
PLYWOOD
RIGID INSULATION

SYMBOL LEGEND

BUILDING SECTION (1 / A-1)
LOUVER TYPE (M)
WALL SECTION (1 / A-1)
PRECAST CONCRETE PANEL (7)
DETAIL (1)
ROOF TYPE (1)
WALL TYPE (A)
EXTERIOR ELEVATION (1 / A-1)
ROOM NUMBER (101)
DOOR NUMBER (101)
ELEVATION REFER (1 / XXX / 2 / 3 / 4)
WINDOW NUMBER (1)
NEW COLUMN LINE (A)
KEY NOTE (12)
EXISTING COLUMN LINE (A)
REVISION NUMBER (1)
DATUM REFERENCE
6'-0" POINT ELEVATION

PROJECT LOCATION



DESIGN ANALYSIS

CODE – 1997 U.B.C. SEISMIC ZONE 2B

NOTE: OCCUPANT LOADS & EXITING SHOWN ON SHEET G1.01

FIELD OPERATIONS BUILDING

OCCUPANCY GROUP – B(96 OCCUPANTS), A-3(310 OCCUPANTS)
TYPE OF CONSTRUCTION : V-N
AUTOMATIC SPRINKLER SYSTEM
HEIGHT: ACTUAL-26'-0" ALLOWABLE-40'-0"
STORIES: ACTUAL -1 ALLOWABLE -2
AREA:

ACTUAL	ALLOWABLE
B : 8,266 SF	B: 8000 x 3 (UBC 505.3)= 24,000 SF
8,266 SF / 24,000 SF = .34	
A-3 : 4,424 SF	A-3:6000 x 3 (UBC 505.3) = 18,000 SF
4,424 SF / 18,000 SF = .25	.34(B) + .25(A-3) = .59 < 1

NOTE: INCREASE IN ALLOWABLE AREA NOT TAKEN FOR BUILDING SEPARATION DISTANCE

FIXTURE COUNT: (INCLUDES FIELD MAINTENANCE BLDG. OCCUPANTS: S-1, F-1, & H-4)

REQUIRED W.C.	PROVIDED
B : 8,266 SF/200 SF = 42/2 = 21 EA. (2M + 2W)	4 WC
A-3 : 4,424 SF/30 SF = 148/2 = 74 EA. (2M + 2W)	4 WC
S-1 : 4,349 SF/5000 SF = 1/2 = 1 EA. (1M + 1W)	2 WC
AS DEFINED BY GROUP F, UBC TABLE A-29-A :	
F-1 + H-4: (763+453)/2000 SF = 1EA. (1M + 1W)	2 WC
TOTAL W.C. REQ'D = 6M + 6W	TOTAL PROVIDED = 6M + 6W

REQUIRED LAVATORIES	PROVIDED
B : 1 PER 2 REQUIRED W.C. = 1M + 1W LAV	2 LAVS
A-3 : 1 PER REQUIRED W.C. = 2M + 2W LAVS	4 LAVS
S-1 : 1 PER 40 OCC. OF EACH SEX = 1M + 1W LAV	2 LAVS
AS DEFINED BY GROUP F, UBC TABLE A-29-A :	
F-1 + H-4 : 1 PER 2 REQ'D W.C. = 1M + 1W LAV	2 LAVS
TOTAL LAVS REQ'D = 5M + 5W	TOTAL PROVIDED = 5M + 5W

MATERIALS HANDLING BUILDING

OCCUPANCY GROUP – S-1 (61 OCCUPANTS)
TYPE OF CONSTRUCTION : V-N
AUTOMATIC SPRINKLER SYSTEM
HEIGHT: ACTUAL-35'-3" ALLOWABLE-40'-0"
STORIES: ACTUAL -1 ALLOWABLE -2
AREA:

ACTUAL	ALLOWABLE
S-1 : 18,000 SF	S-1: 8,000 x 3 (UBC 505.3) = 24,000 SF
TOTAL: 18,000 SF	TOTAL: 24,000 SF
18,000 / 24,000 SF = .75 < 1	

FIELD MAINTENANCE BUILDING

OCCUPANCY GROUP – S-1(17 OCCUPANTS), F-1(5 OCCUPANTS) H-4(3 OCCUPANTS)
TYPE OF CONSTRUCTION : V-N AUTOMATIC SPRINKLER SYSTEM
HEIGHT: ACTUAL-21'-5" ALLOWABLE-40'-0"
STORIES: ACTUAL -1 ALLOWABLE -2
AREA:

ACTUAL	ALLOWABLE	
S-1 : 4,349 SF	S-1 : 8,000 SF	4,349/8,000 SF = .54
F-1 : 763 SF	F-1 : 8,000 SF	763/8,000 SF = .09
H-4 : 453 SF	H-4 : 5,100 SF	453/5,100 SF = .09
		.54 + .09 + .09 = .72 < 1

I.T. ADDITION (TO EXISTING SANITATION OFFICE)

OCCUPANCY GROUP – B(36 OCUPANTS), A-3(105 OCCUPANTS)
TYPE OF CONSTRUCTION : V-N
HEIGHT: ACTUAL-20'-6" ALLOWABLE-40'-0"
STORIES: ACTUAL -1 ALLOWABLE -2
AREA: (NOTE: INCREASE IN ALLOWABLE AREA NOT TAKEN FOR BUILDING SEPARATION DISTANCE)

ACTUAL	ALLOWABLE
A-3 (EXIST.) : 1,547 SF	A-3: 1,547 / 6000 SF = .25
B (EXIST.) : 2,130 SF	
B (NEW) : 1,662 SF	B : 3,792 / 8,000 SF = .47
	.25 + .47 = .72 < 1

FIXTURE COUNT:

REQUIRED WC:	PROVIDED
A-3 : 1,547 SF/30 SF = 52/2 = 21 EA. (1M + 1W)	4 WC
B : 3,792 SF/200 SF = 19/2 = 5 EA. (1M + 1W)	4 WC
TOTAL W.C. REQ'D = 2M + 2W	TOTAL PROVIDED = 6M + 2W

REQUIRED LAVATORIES:	PROVIDED
A-3: 1 PER REQUIRED W.C. = 1M + 1W LAV.	2M + 1W LAVS
B : 1 PER 2 REQUIRED W.C. = 1M + 1W LAV.	1M + 1W LAV

WASH BAY FACILITY OCCUPANCY GROUP – B

TYPE OF CONSTRUCTION : V-N
HEIGHT: ACTUAL- 19'-7" ALLOWABLE-40'-0"
STORIES: ACTUAL -1 ALLOWABLE -2
AREA:

ACTUAL	ALLOWABLE	
5334 SF	B : 8000 SF	5334/8000 SF = .67 < 1

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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 SEP 12 2003

These plans are approved subject to all applicable laws, ordinances, regulations and all conditions specified in writing. Approval of these plans does not authorize the violation of any law, ordinance, regulation or any other requirement. Any changes, additions or alterations shall be submitted for review and approval prior to construction. Approval of these plans does not be construed to be a permit for, or an approval of, any violation of any provisions of the building code or other ordinances of the jurisdiction.

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DATE: MARCH 14, 2003
CONSTRUCTION DOCUMENTS

RECEIVED JUL 31 2003 CITY OF LAS VEGAS

THESE PLANS ARE ACCEPTED UNDER THE PROVISIONS OF SECTION 2006 OF THE UNIFORM BUILDING CODE AND ARE SUBJECT TO THE PROVISIONS THEREOF.

PUBLIC WORKS

1	08.30.02
2	10.16.02
4	01.28.03
5	03.14.03
1	07.31.03

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CITY OF LAS VEGAS WEST SERVICE YARD
BUFFALO DRIVE AND PEAK ROAD
LAS VEGAS, NEVADA
ABBREVIATIONS, DRAWING INDEX
SYMBOL LEGENDS AND CODE ANALYSIS

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