

d	
DBL	DOUBLE
DEG	DEGREE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DIM	DIMENSION
DIST	DISTANCE
DL	DEAD LOAD
DML	DEMOLITION
DN	DOWN
DO	DOOR OPENING
DP	DEPTH
DR	DOOR
DSGN	DESIGN
DT	DOUBLE TEE
DWG	DRAWING
DWL	DOWEL

h	
HC	HANDICAPPED
HDR	HEADER
HGR	HANGER
HGT	HEIGHT
HNDRL	HAND RAIL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HAND RAIL
HS	HIGH STRENGTH

i	
ID	INSIDE DIMENSION
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IMP	IMPACT
IN	INCH
INCL	INCLUDE
INSP	INSPECT
INSUL	INSULATION
INTR	INTERIOR
INV	INVERT
IR	INSIDE RADIUS

j
J
JCT
JT

k
K
KB
KD
KO

KIP
KNEE BRACE
KNOCK DOWN
KNOCK OUT

m	
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MCJ	MASONRY CONTROL JOINT
MEZZ	MEZZANINE
MFR	MANUFACTURE
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODIFICATION
MSNRY	MASONRY

n	
N	NORTH
NF	NEAR FACE
NO	NUMBER
NOM	NOMINAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE

☐ OC	ON CENTER
☐ OPNG	OPENING
☐ OPP	OPPOSITE
☐ OPTL	OPTIONAL
☐ ORIG	ORIGINAL

p

PCF	POUND PER CUBIC FOOT
PEN	PENETRATION
PERP	PERPENDICULAR
PL	PLATE
PL	PROPERTY LINE
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PREFAB	PREFABRICATED
PRELIM	PRELIMINARY
PREP	PREPARE
PRL	PARALLEL
PRV	PRESSURE RELIEF VALVE
PS	PIPE SUPPORT
PSF	POUND PER SQUARE FOOT
PSI	POUND PER SQUARE INCH
PST OR PS	PRESTRESSED
PT	POINT
PVMT	PAVEMENT
PWJ	PLYWOOD WEB JOIST

R	RADIUS
RCP	REINFORCED—CONCRETE PIPE
RD	ROOF DRAIN; ROOF DRAIN LINE
REINF	REINFORCING
REINF	REINFORCE
REM	REMOVABLE
RMVL	REMOVAL
REQD	REQUIRED
REV	REVISION
RF	ROOF
RFG	ROOFING
RL	REQUIRED LAP
RH	RIGHT HAND
RST	REINFORCING STEEL
RTU	ROOF TOP UNIT

S	
S	SOUTH
SCHED	SCHEDULE
SCR	SCREW
SE	STEEL/ALUMINUM EDGE
SECT	SECTION
SG	SEALANT GROOVE
SH	SHEET
SIM	SIMILAR
SLP	SLOPE
SLTD	SLOTTED
SLV	SLEEVE
SP	SPACE
SPEC	SPECIFICATION
SPRT	SUPPORT
SQ	SQUARE
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL; STEEL PIPE
STR	STRUCTURAL
STWY	STAIRWAY
SYMM	SYMMETRICAL
SS	STAINLESS STEEL
SST	STAINLESS STEEL
SIM	SIMILAR

t	
T & B	TOP AND BOTTOM
T & G	TONGUE AND GROOVE
TD	TRENCH DRAIN
THD	THREAD
THK	THICK
THKNS	THICKNESS
THRU	THROUGH
TK	TANK
TO	TOP OF
TOL	TOLERANCE
TOL	TOP OF LEDGER
TOS	TOP OF SLAB
TOS	TOP OF STEEL
TOT	TOTAL
TOW	TOP OF WALL
TS	TUBE STEEL
TYP	TYPICAL

U
UON UNLESS OTHERWISE NOTED

V
VB VAPOR BARRIER
VERT VERTICAL
VOL VOLUME

W	
W	WEST
WD	WIDTH
WD	WOOD
WLD	WELDED
WR	WALL REINFORCING
WS	WATERSTOP
WSHR	WASHER
WT	WEIGHT
WTRPRF	WATERPROOF
WWF	WELDED WIRE FABRIC
W/	WITH (COMB FORM)
W/O	WITHOUT

X	
XSECT	CROSS SECTION
XSTR	EXTRA STRONG

y
YS YIELD STRENGTH
YD YARD

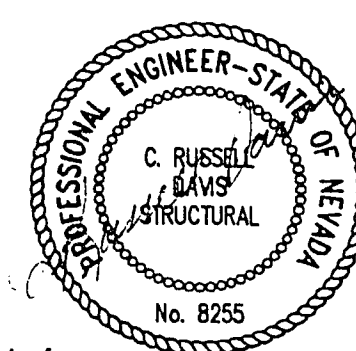
misc

@	AT
Ø	DIAMETER
◻	SQUARE

GENERAL SYMBOLS	SEE SHEET G-103
MATERIAL SYMBOLS	SEE SHEET G-103
WELDING	AWS
#	TO INDICATE SIZE OF DEFORMED BAR
	LIMITS OF AREA COVERED BY BARS
	INDICATES CMU
	INDICATES NSNRY CONTROL JT
	INDICATES MECH EQUIP ON ROOF VERIFY SIZE & LOCATION W/ARCH'L & MECH'L DWGS
	INDICATES OPNG IN ROOF, WALL OR FLR. VERIFY SIZE & LOCATION W/ARCH'L & MECH'L DWGS ALL OPNGS & OPNG FRMG NOT NECESSARILY SHOWN ON PLAN.



1	CORRECTED ACCORDING TO CONSTRUCTION RECORD				1/95	RRL	EFH	MJH	JJC
O	ISSUED FOR CONSTRUCTION				8/20/92	MRG	CLS	CRD	JJC
A	ISSUED FOR BID				4/20/92	MRG	CLS	CRD	JJC
Issue No.	Description				Date	Drawn	Chkd.	Resp. Engr.	Proj. Mgr.



Project Manager	
JOHN J. CHUEH	
Architect	I&C/Process
Civil	Mechanical
Electrical	Structural
	R. DAVIS
	Drawn By
	M. GENTILE

City of Las Vegas
Water Pollution Control Facility
Nitrification / Filtration Facilities
Contract 17
NITRIFICATION COMPLEX

Date APRIL 1992	Project No. 00120-084-141	Drawing No. S-001	Issue 1
Scale			