Structural Notes:

GENERAL STRUCTURAL NOTES:

1. COMPLY WITH UNIFORM BUILDING CODE, 1994 EDITION, INCLUDING CITY OF LAS VEGAS AMENDMENTS.

2. DESIGN LOADS:

ROOF LIVE LOAD:	20 PSF
ROOF DEAD LOAD:	25 PSF (INCLUDES 10 PSF STUCCO CEILING DL)
ROOF TRUSS BOTT. CHORD LL:	10 PSF (UBC , TABLE 16-B - NON-CONCURRENT)
WIND LOAD:	75 MPH BASIC WIND SPEED EXPOSURE CATEGORY B IMPORTANCE FACTOR, I = 1.0
SEISMIC LOAD:	UBC ZONE 2B (Z = 0.20, I = 1.0, R_W = 6)
ROOF MTD HVAC UNIT:	1000 LB (ALLOWANCE)

FOUNDATION NOTES:

1. EXISTING FILL MATERIAL (APPROX. 4 TO 5 FEET IN DEPTH) SHALL BE REMOVED TO 5 FT. (MIN.) BEYOND THE BUILDING LINE, AND REPLACED WITH STRUCTURAL FILL MATERIAL MOISTENED AND COMPACTED TO 90% MAX. DENSITY FOR FINE GRAINED SOILS (95 % FOR GRANULAR SOILS). SCARIFY, MOISTEN, AND COMPACT TOP 6" OF SUBGRADE MATERIAL TO 90% MAX. DENSITY PRIOR TO PLACING FILL MATERIAL.

2. A 4 INCH (MIN.) LAYER (U.O.N.) OF TYPE II AGG. BASE SHALL BE PLACED BENEATH ALL FOOTINGS AND SLABS (WHERE SHOWN) IN ACCORDANCE WITH CLARK COUNTY UNIFORM STANDARD SPECIFICATIONS (USS) SECTION 302.

3. STRUCTURAL EXCAVATION AND BACKFILL SHALL BE PERFORMED IN ACCORDANCE WITH USS SECTIONS 206 & 207 AND THE SOILS REPORT. SOIL TESTING BY OWNER.

4. SOIL PREPARATION, EXCAVATION, COMPACTION & BACKFILL SHALL COMPLY WITH THE RECOMMENDATIONS OF THE SOILS REPORT PREPARED BY WESTERN TECHNOLOGIES, INC, DATED JUNE 25, 1997.

CONCRETE NOTES:

1. CONSTRUCTION SHALL COMPLY WITH ACI 301, & ACI 304, LATEST EDITIONS.

2. MATERIALS:

CEMENT:	ASTM C150, TYPE V
AGGREGATE:	ASTM C33, 1-1/2" MAX. SIZE
REINFORCING:	ASTM A615, GRADE 60, DEFORMED (#3 & LARGER) ASTM A615, GRADE 40, PLAIN (#2)
WIRE MESH:	ASTM A185
FLY ASH:	ASTM C618, CLASS F
CURING COMPOUND:	ASTM C309

3. CONCRETE MINIMUM 28-DAY COMPRESSIVE STRENGTHS:

FOUNDATIONS:	4000 PSI
SIDEWALKS, SLABS ON GRADE:	3000 PSI

4. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND EMBEDDED ITEMS. DO NOT TAMP SLABS. USE VIBRATING SCREED OR BULL FLOAT TO FINISH.

5. SECURELY TIE ALL REINFORCING IN FINAL LOCATION, INCLUDING DOWELS AND ANCHOR BOLTS, PRIOR TO PLACING CONCRETE. DO NOT "STAB " IN DOWELS. ROUGHEN CONSTRUCTION JOINTS TO 1/4 " .

6. CURE SLABS ON GRADE WITH POLYETHYLENE SHEETING FOR A MIN. OF 5 DAYS. TAPE JOINTS WITH 6" LAPS AND COVER WITH SAND. CURING COMPOUND MAY BE USED FOR OTHER WORK AND SHALL BE CLEAR ON EXPOSED STRUCTURES AND WHITE PIGMENTED ON COVERED STRUCTURES. APPLY AT MANUFACTURER'S RECOMMENDED RATE BUT NOT LESS THAN 1 GALLON PER 200 SQ. FT.

7. CAST SLABS ON GRADE IN ALTERNATING SECTIONS, UNLESS PERMANENT FORMS ARE USED. WAIT 48 HOURS BETWEEN PLACEMENT OF ADJACENT SLAB SECTIONS.

8. REINFORCING REQUIREMENTS:

   A. LATEST ACI 318 CODE AND DETAILING MANUAL APPLY. CLEAR CONCRETE COVER SHALL BE (UNLESS OTHERWISE NOTED):

CONCRETE PLACED AGAINST EARTH:	3"
ALL OTHER:	1-1/2"

   LAPS, SPLICES & DOWEL EXTENSIONS:

CONCRETE:	48 BAR DIAMETERS
MASONRY:	32 BAR DIAMETERS
MESH:	1-1/2 TIMES LARGEST WIRE SPACING

   NOTE: BARS MAY BE CONTINUOUS IN LIEU OF SPLICING - SPLICE LOCATIONS SUBJECT TO APPROVAL

   B. REBAR SPACINGS SHOWN ARE MAXIMUMS. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF WALLS, BEAMS, BOND BEAMS & FOOTINGS PER ACI MANUAL & DET. 6, SHT S5. DOWEL ALL VERTICAL REBAR TO FOOTINGS.

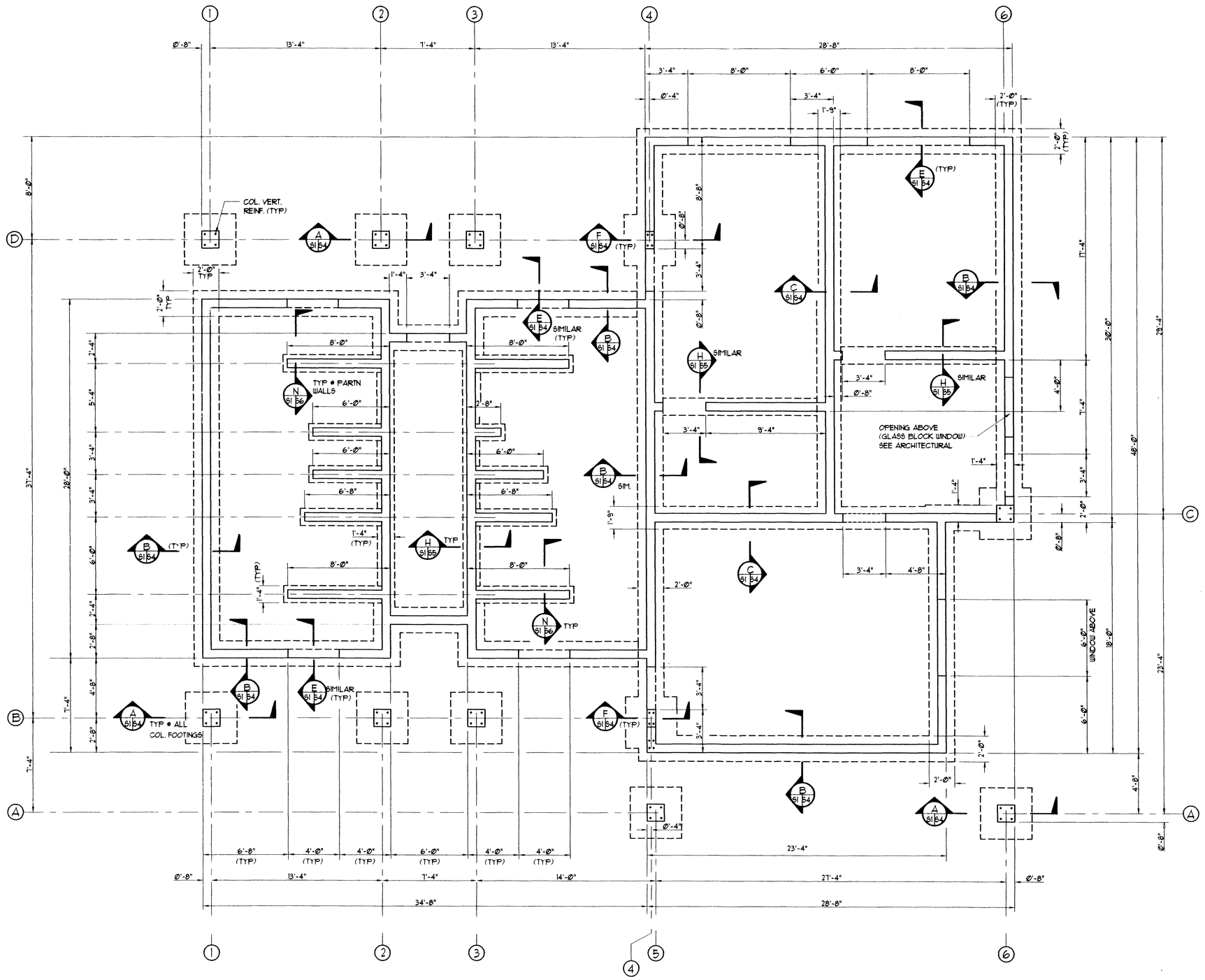
9. INTERIOR SLAB SURFACES TO RECEIVE TROWEL FINISH. APPLY NON-SLIP BROOM FINISH TO EXTERIOR WALKWAY SLABS.

STRUCTURAL NOTES CONTINUED ON SHEET S2.

Footing Schedule

COLUMN	FOOTING SIZE					PIER OR STEMWALL		SECTION
	A	B	C	D	REINFORCING	SIZE	REINFORCING	(SHT S4)
A-5	4'-0"	1'-4"	1'-4"	12"	(4) #4 EW	1'-4" x 1'-4" x 18"	(4) # 6	A
A-6	4'-0"	1'-4"	1'-4"	12"	(4) #4 EW	1'-4" x 1'-4" x 18"	(4) # 6	A
B-1	4'-0"	1'-4"	1'-4"	12"	(4) #4 EW	1'-4" x 1'-4" x 18"	(4) # 6	A
B-2	4'-0"	1'-4"	1'-4"	12"	(4) #4 EW	1'-4" x 1'-4" x 18"	(4) # 6	A
B-3	4'-0"	1'-4"	1'-4"	12"	(4) #4 EW	1'-4" x 1'-4" x 18"	(4) # 6	A
B-4	4'-0"	1'-4"	0'-8"	12"	(4) #4 EW	0'-8" x 1'-4" x 12"	(6) # 6	F
C-6	4'-0"	1'-4"	1'-4"	12"	(4) #4 EW	1'-4" x 1'-4" x 12"	(4) # 6	A
D-1	4'-0"	1'-4"	1'-4"	12"	(4) #4 EW	1'-4" x 1'-4" x 18"	(4) # 6	A
D-2	4'-0"	1'-4"	1'-4"	12"	(4) #4 EW	1'-4" x 1'-4" x 18"	(4) # 6	A
D-3	4'-0"	1'-4"	1'-4"	12"	(4) #4 EW	1'-4" x 1'-4" x 18"	(4) # 6	A
D-4	4'-0"	1'-4"	0'-8"	12"	(4) #4 EW	0'-8" x 1'-4" x 12"	(6) # 6	F

NOTE: ALL PIER & FOOTING DIMENSIONS BASED ON NOMINAL MASONRY UNIT DIMENSIONS.



Foundation Plan

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

Project North ▲

DEPARTMENT OF PUBLIC WORKS

PROJECT: Gowan Soccer Complex Restroom Facility

SHEET TITLE: Foundation Plan & Notes

DRAWN BY: MDS | DESIGN BY: MDS | DATE: 07/97 | W.A. # | PLOT SCALE: 1/4"=1'-0" | FILE: BK

REVISIONS: | DATE:

ARCHITECTURAL SERVICES

CITY OF LAS VEGAS NEVADA

REGISTERED PROFESSIONAL ENGINEER-STATE OF NEVADA
MARVIN D. STINE
CIVIL
NO. 11755

SHEET NO. S1

675-V31

DRAWING NO. GTB1061 675-V31

41/57

12172

Structural Notes:

GENERAL STRUCTURAL NOTES:

1. [illegible]
2. [illegible]

[illegible]	[illegible]
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[illegible]	[illegible]

FOUNDATION NOTES:

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]

CONCRETE NOTES:

1. [illegible]
2. [illegible]

[illegible]	[illegible]
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[illegible]	[illegible]

   B. [illegible]
9. [illegible]

STRUCTURAL NOTES CONTINUED ON SHEET 62.

Footing Schedule

COLUMN	FOOTING SIZE					FOOTING REINFORCEMENT		[illegible]
	A	B	C	D	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A
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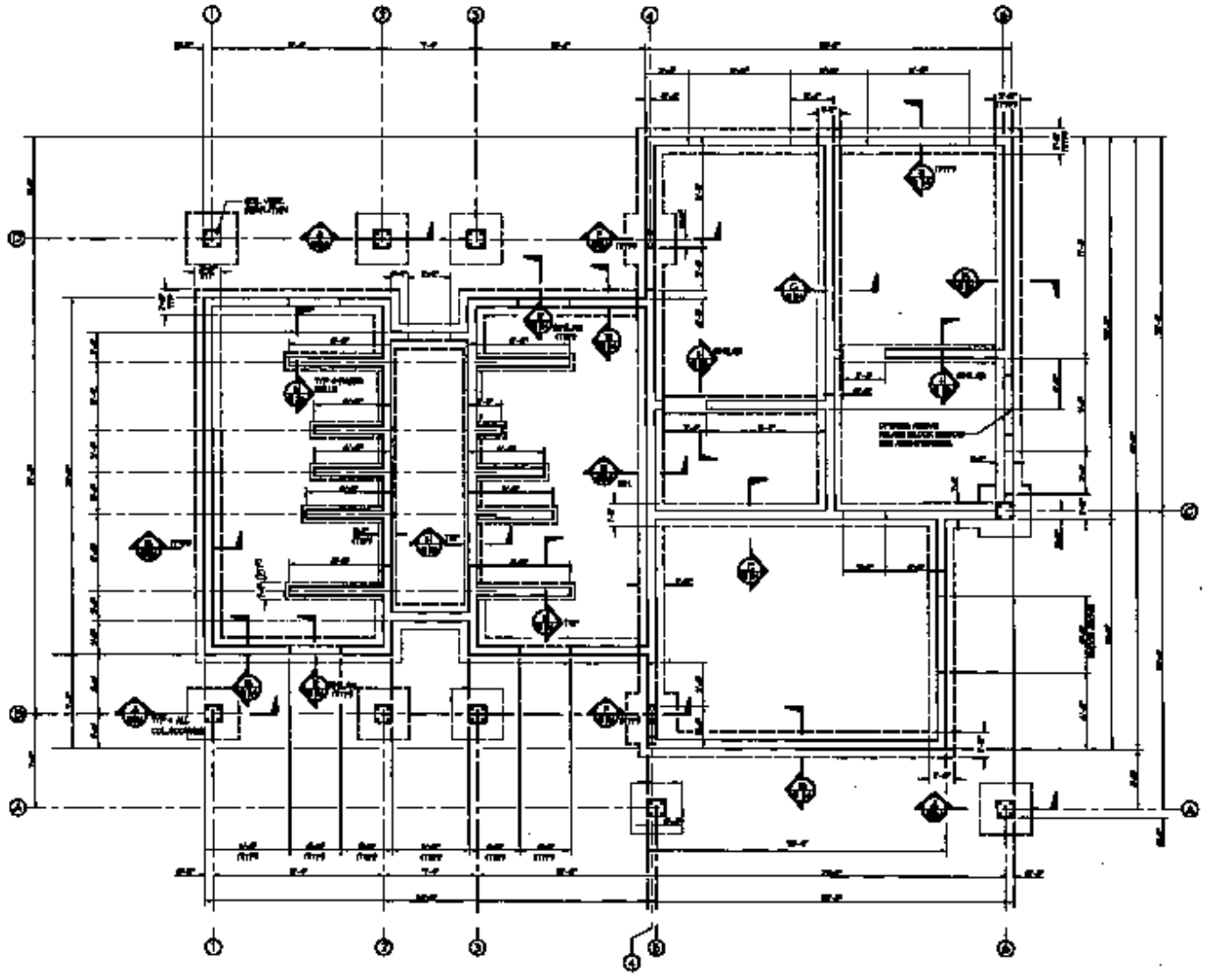
NOTE: [illegible]



Foundation Plan

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DEPARTMENT OF PUBLIC WORKS

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S1