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CITY OF LAS VEGAS, NEVADA
FIRE STATION #44
FOUNDATION PLAN

DEPARTMENT OF PUBLIC WORKS
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DESIGN ENGINEERING CONSULTANTS

DATE: 7/28/06
SCALE: AS NOTED

PROJECT NO: 5707106

S2.0

COLUMN SCHEDULE	
COLUMN	SIZE
C1	TS 6" x 6" x 3/8"
C2	BEAM/COLUMN ASSEMBLY PER ARCHITECTURAL DRAWINGS

- ### PLAN NOTES
1. a) TYPICAL INTERIOR SLAB: 5" CONCRETE SLAB W/ #4 AT 12" O.C. E.W. AT MID-SLAB OVER 2" CONCRETE SAND PER ASTM C33 OVER 10 MIL VISQUEEN OVER 4" TYPE II AGGREGATE BASE OVER 12" COMPACTED STRUCTURAL FILL.
b) TYPICAL INTERIOR SLAB AT ENGINE AND APPARATUS BAYS: 8" CONCRETE SLAB W/ #5 AT 18" O.C. EACH WAY AT MID-SLAB OVER 2" CONCRETE SAND PER ASTM C33 OVER 6 MIL VISQUEEN OVER 12" TYPE II MATERIAL. SHOWN SHADED.
 2. SAND SHALL BE NATURAL SAND, FREE OF SILT, CLAY, LOAM, FRIBLE OR SOLUBLE MATERIALS OR ORGANIC MATTER PER ASTM C136. VISQUEEN MEMBRANE SHALL BE PROTECTED FROM PUNCTURES AND OTHER DAMAGE. DAMAGED VISQUEEN SHALL BE REMOVED AND REPLACED OR REPAIRED PER MFG. RECOMMENDATIONS PRIOR TO POURING SLAB.
 3. CONTRACTOR TO REFER TO CIVIL AND ARCHITECTURAL DRAWINGS FOR ANY EXTERIOR SLABS, SIDEWALKS, AND STOOPS NOT SHOWN ON THESE DRAWINGS.
 4. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SEE STRUCTURAL GENERAL NOTES.
 5. ESTABLISH AND VERIFY EXACT SIZE AND LOCATIONS OF ALL OPENINGS AND INSERTS IN SLAB FOR ARCHITECTURAL, MECH., PLUMBING, ELECTRICAL WITH APPROPRIATE TRADES. DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. SEE DETAIL 4/SD2.
 6. CONTRACTOR TO PROVIDE 3" CONCRETE BLOW-OUT AT ALL EXTERIOR DOORS.
 7. SEE 1/SD2 FOR TYPICAL REBAR BENDING AND FOUNDATION CORNERS AND INTERSECTION DETAILS.
 8. SEE 6/SD2 FOR SLAB CONTROL AND CONSTRUCTION JOINTS.
 9. SEE 5/SD2 FOR TYPICAL CMU EXPANSION JOINT. COORDINATE LOCATION WITH ARCH.
 10. SEE 4/SD2 FOR TYPICAL PIPE THROUGH FOUNDATIONS.
 11. SEE 3/SD2 FOR TYPICAL STEP IN FOUNDATION.
 12. ALL CMU BELOW GRADE SHALL HAVE $f_m = 3,000$ PSI.
 13. ALL FOOTINGS TO BE OVER STRUCTURAL FILL PER DETAIL 11/SD1.1.
 14. FINISH FLOOR REFERENCE ELEVATION 0.0' THIS SHT. U.N.O. SEE CIVIL FOR APPARATUS AND ENGINE BAY ELEVATIONS. SEE ARCH. AND CIVIL FOR EXTERIOR SLABS.

- ### PLAN SYMBOLS
- INDICATES TYPICAL SECTION CUT
 - INDICATES COLUMN LOCATION
 - INDICATES CMU EXPANSION JOINT REFER TO DETAIL 5/SD2.
 - INDICATES DIRECTION OF SLAB SLOPE.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F1	1'-4" WIDE X 18" THICK	2-#4 LONG. T&B
F2	2'-0" WIDE X 18" THICK	2-#5 LONG. T&B
F3	2'-6" WIDE X 18" THICK	2-#5 LONG. T&B
F4	43'-0" LONG X 2'-0" WIDE X 24" THICK	4-#6 LONG. T&B W/ #4 TIES AT 16" O.C.
F5	26'-0" LONG X 2'-0" WIDE X 24" THICK	4-#6 LONG. T&B W/ #4 TIES AT 16" O.C.
F6	4'-6" X 4'-6" X 18" THICK	4-#6 EACH WAY BOTTOM
F7	2'-0" X 2'-0" X 12" THICK	3-#4 EACH WAY BOTTOM
F8	5'-6" X 5'-6" X 21" THICK	5-#6 EACH WAY TOP AND BOT. OVER 24" SQ. X 12" PAD W/ 3-#4 E.W. TYP.

CMU WALL SCHEDULE

MARK	VERT. REINF.	HORIZ. REINF.	NOTE
MW1	#5 AT 32" O.C. AT CENTER	#5 AT 48" O.C. AT CENTER	TYPICAL U.N.O.
MW2	#6 AT 16" O.C. AT EA. FACE	#5 AT 48" O.C. AT CENTER	SEE PLAN

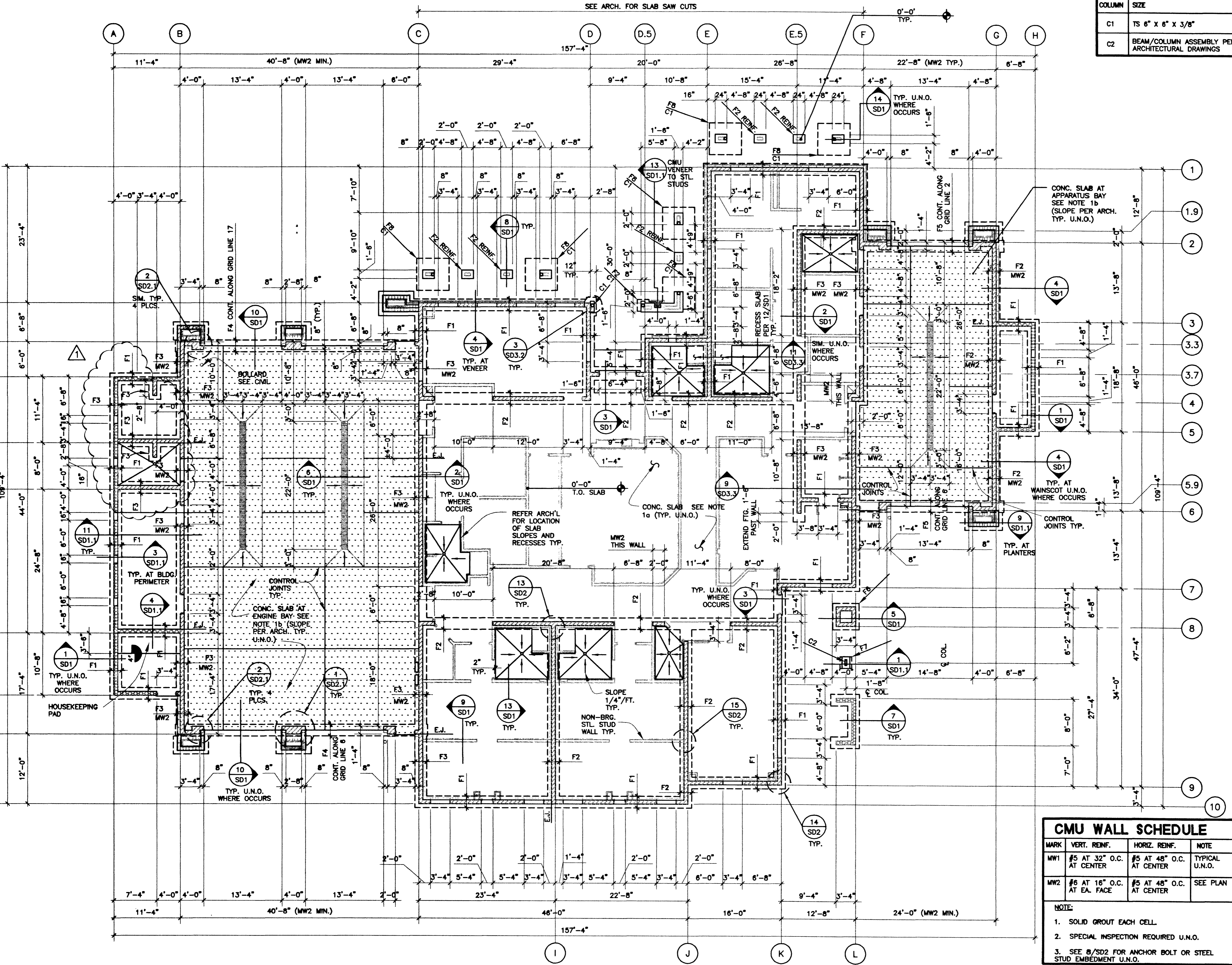
- NOTE:
1. SOLID GROUT EACH CELL.
 2. SPECIAL INSPECTION REQUIRED U.N.O.
 3. SEE 8/SD2 FOR ANCHOR BOLT OR STEEL STUD EMBEDMENT U.N.O.

BOND BEAM

TYPICAL BOND BEAM AT ROOF LEVEL AND TOP OF WALL - USE 8" DEPTH BOND BEAM WITH (2) #5 CONTINUOUS AT 8" CMU - GROUT SOLID.

JAMB STEEL SCHEDULE

TYPICAL JAMB STEEL - (2) #5 VERTICAL IN ONE CELL, EXTENDING FROM BOTTOM OF WALL TO TOP OF WALL AT EACH CORNER OR INTERSECTION OF WALL AT EACH SIDE OF EACH OPENING AND AT THE ENDS OF WALLS UNLESS NOTED OTHERWISE. SEE ALSO DETAIL 9/SD2.



1 FOUNDATION PLAN
1/8" = 1'-0"
57279

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