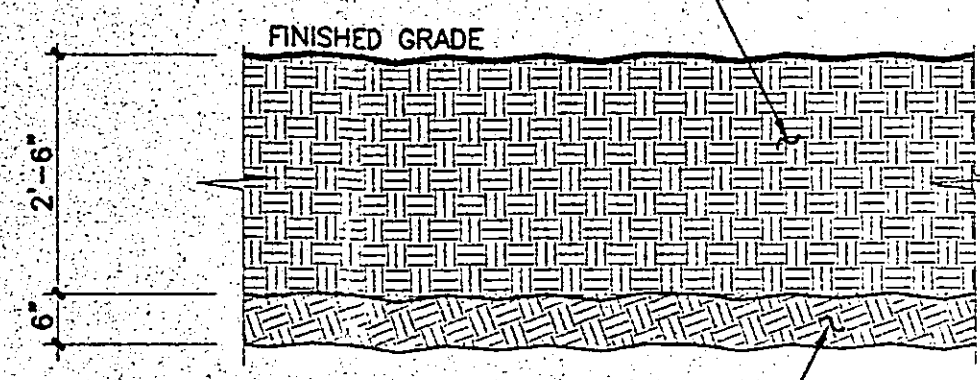


EXCAVATE AND REPLACE TO AT LEAST 90 PERCENT COMPACTION AT A MOISTURE CONTENT OF AT LEAST 5 PERCENT OVER OPTIMUM. THE ON SITE CLAYEY SOILS ARE SUITABLE FOR RE-USE AS FILL EXCEPT FOR THE UPPER 12" IN SLAB AREAS, PROVIDED THEY ARE FREE OF ORGANICS, DEBRIS, COBBLES AND BOULDERS OVER 12" IN DIAMETER.

AT CONC. SLAB AREAS REPLACE THE UPPER 12" OF SOIL WITH IMPORTED SANDY, NON-EXPANSIVE SOIL COMPACTED TO AT LEAST 90 PERCENT.



PRIOR TO FILL, SCARIFY EXPOSED SOIL TO A MIN. DEPTH OF 6" AND PROVIDE AT LEAST 90 PERCENT COMPACTION AT A MOISTURE CONTENT OF AT LEAST 5 PERCENT OVER OPTIMUM.

NOTE: FOR ADD'L SUB BASE INFO AT BUILDING ADDITION, SEE S4.1

ALL STRUCTURAL AREAS INCLUDING ALL FOOTINGS AND SLABS, WALKWAYS, AMPHITHEATER SERVICE YARDS AND PAVEMENTS

GENERAL CONDITION

NOTE: REFERENCE PAGE 5 OF SOILS REPORT DATED OCTOBER 24/28 1997

COMPACTION AND OVER-EXCAVATION REQUIREMENTS

1

PLAN CHECK SUBMITAL 9-28-99
 PLAN CHECK COMMENTS 1-15-99
 COORDINATION 9-7-99
 2001 CBC UPDATE 11-18-03

RON YEO, FAIA ARCHITECT, INC.
 500 JASMINES BLVD., CORONA, CA 92626
 (714) 441-0449
 PATRICK MARR, AIA, PE, ASSOCIATE ARCHITECT

REGISTERED PROFESSIONAL ENGINEER
 CIVIL ENGINEERING
 STATE OF CALIFORNIA
 No. 1724
 DATE 08-30-05

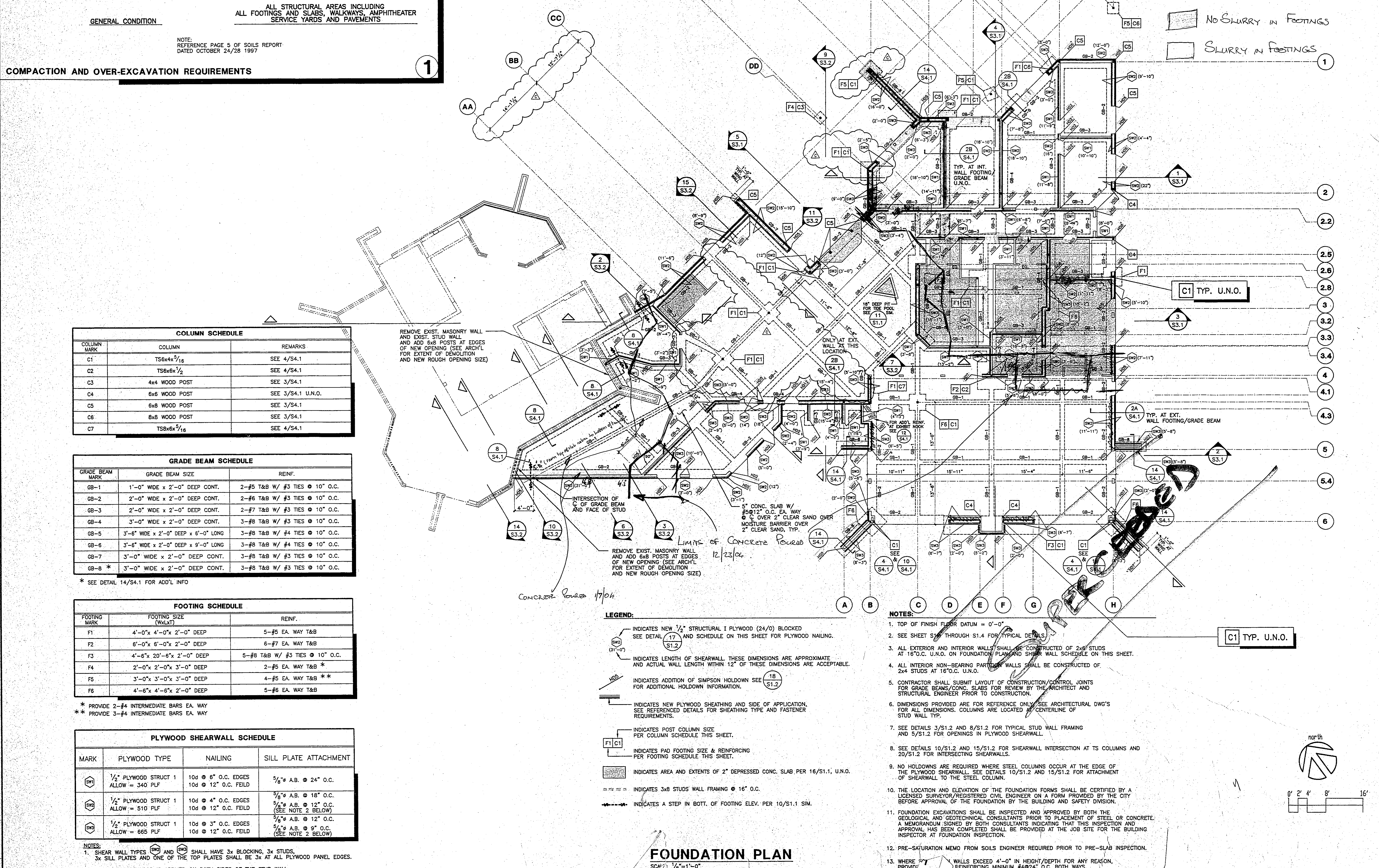
ABS Consulting
 EOE Structural Engineers Division
 300 Commerce Drive, Suite 300
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 Phone: (714) 734-4274
 Fax: (714) 734-4272

POINT VICENTE INTERPRETIVE
 CENTER EXPANSION
 31501 Palms Verdes Drive West
 Rancho Palms Verdes, CA

FOUNDATION PLAN

DRAWN DW
 CHECKED SW
 DATE
 SCALE 8/16
 JOB NO. 2001M
 SHEET

S2.1



COLUMN MARK	COLUMN	REMARKS
C1	TS6x4x5/16	SEE 4/S4.1
C2	TS6x6x1/2	SEE 4/S4.1
C3	4x4 WOOD POST	SEE 3/S4.1
C4	6x6 WOOD POST	SEE 3/S4.1 U.N.O.
C5	6x8 WOOD POST	SEE 3/S4.1
C6	8x8 WOOD POST	SEE 3/S4.1
C7	TS8x6x5/16	SEE 4/S4.1

GRADE BEAM MARK	GRADE BEAM SIZE	REINF.
GB-1	1'-0" WIDE x 2'-0" DEEP CONT.	2-#5 T&B W/ #3 TIES @ 10" O.C.
GB-2	2'-0" WIDE x 2'-0" DEEP CONT.	2-#6 T&B W/ #3 TIES @ 10" O.C.
GB-3	2'-0" WIDE x 2'-0" DEEP CONT.	2-#7 T&B W/ #3 TIES @ 10" O.C.
GB-4	3'-0" WIDE x 2'-0" DEEP CONT.	3-#8 T&B W/ #3 TIES @ 10" O.C.
GB-5	3'-6" WIDE x 2'-0" DEEP x 6'-0" LONG	3-#8 T&B W/ #4 TIES @ 10" O.C.
GB-6	3'-6" WIDE x 2'-0" DEEP x 9'-0" LONG	3-#8 T&B W/ #4 TIES @ 10" O.C.
GB-7	3'-0" WIDE x 2'-0" DEEP CONT.	3-#8 T&B W/ #3 TIES @ 10" O.C.
GB-8 *	3'-0" WIDE x 2'-0" DEEP CONT.	3-#8 T&B W/ #3 TIES @ 10" O.C.

* SEE DETAIL 14/S4.1 FOR ADD'L INFO

FOOTING MARK	FOOTING SIZE (WxLxD)	REINF.
F1	4'-0" x 4'-0" x 2'-0" DEEP	5-#5 EA. WAY T&B
F2	6'-0" x 6'-0" x 2'-0" DEEP	6-#7 EA. WAY T&B
F3	4'-6" x 20'-6" x 2'-0" DEEP	5-#8 T&B W/ #3 TIES @ 10" O.C.
F4	2'-0" x 2'-0" x 3'-0" DEEP	2-#5 EA. WAY T&B *
F5	3'-0" x 3'-0" x 3'-0" DEEP	4-#5 EA. WAY T&B **
F6	4'-6" x 4'-6" x 2'-0" DEEP	5-#6 EA. WAY T&B

* PROVIDE 2-#4 INTERMEDIATE BARS EA. WAY
 ** PROVIDE 3-#4 INTERMEDIATE BARS EA. WAY

MARK	PLYWOOD TYPE	NAILING	SILL PLATE ATTACHMENT
SW1	1/2" PLYWOOD STRUCT 1 ALLOW = 340 PLF	10d @ 8" O.C. EDGES 10d @ 12" O.C. FIELD	5/8" x A.B. @ 24" O.C.
SW2	1/2" PLYWOOD STRUCT 1 ALLOW = 510 PLF	10d @ 4" O.C. EDGES 10d @ 12" O.C. FIELD	5/8" x A.B. @ 18" O.C. (SEE NOTE 2 BELOW)
SW3	1/2" PLYWOOD STRUCT 1 ALLOW = 665 PLF	10d @ 3" O.C. EDGES 10d @ 12" O.C. FIELD	5/8" x A.B. @ 12" O.C. (SEE NOTE 2 BELOW)

NOTES:
 1. SHEAR WALL TYPES SW1 AND SW2 SHALL HAVE 3x BLOCKING, 3x STUDS. 3x SILL PLATES AND ONE OF THE TOP PLATES SHALL BE 3x AT ALL PLYWOOD PANEL EDGES.
 2. USE WHERE PLYWOOD IS APPLIED ON BOTH SIDES OF THE STUD WALL

- LEGEND:
- INDICATES NEW 1/2" STRUCTURAL I PLYWOOD (24/0) BLOCKED SEE DETAIL 17 AND SCHEDULE ON THIS SHEET FOR PLYWOOD NAILING.
 - INDICATES LENGTH OF SHEARWALL. THESE DIMENSIONS ARE APPROXIMATE AND ACTUAL WALL LENGTH WITHIN 12" OF THESE DIMENSIONS ARE ACCEPTABLE.
 - INDICATES ADDITION OF SIMPSON HOLDOWN SEE 18/S1.2 FOR ADDITIONAL HOLDOWN INFORMATION.
 - INDICATES NEW PLYWOOD SHEATHING AND SIDE OF APPLICATION, SEE REFERENCED DETAILS FOR SHEATHING TYPE AND FASTENER REQUIREMENTS.
 - INDICATES POST COLUMN SIZE PER COLUMN SCHEDULE THIS SHEET.
 - INDICATES PAD FOOTING SIZE & REINFORCING PER FOOTING SCHEDULE THIS SHEET.
 - INDICATES AREA AND EXTENTS OF 2" DEPRESSED CONC. SLAB PER 16/S1.1, U.N.O.
 - INDICATES 3x8 STUDS WALL FRAMING @ 16" O.C.
 - INDICATES A STEP IN BOTT. OF FOOTING ELEV. PER 10/S1.1 SIM.

- NOTES:
- TOP OF FINISH FLOOR DATUM = 0'-0"
 - SEE SHEET S11 THROUGH S14 FOR TYPICAL DETAILS.
 - ALL EXTERIOR AND INTERIOR WALLS SHALL BE CONSTRUCTED OF 2x8 STUDS AT 16" O.C. U.N.O. ON FOUNDATION PLAN AND SHEAR WALL SCHEDULE ON THIS SHEET.
 - ALL INTERIOR NON-BEARING PARTITION WALLS SHALL BE CONSTRUCTED OF 2x4 STUDS AT 16" O.C. U.N.O.
 - CONTRACTOR SHALL SUBMIT LAYOUT OF CONSTRUCTION/CONTROL JOINTS FOR GRADE BEAMS/CONC. SLABS FOR REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
 - DIMENSIONS PROVIDED ARE FOR REFERENCE ONLY. SEE ARCHITECTURAL DWG'S FOR ALL DIMENSIONS. COLUMNS ARE LOCATED AT CENTERLINE OF STUD WALL TYP.
 - SEE DETAILS 3/S1.2 AND 8/S1.2 FOR TYPICAL STUD WALL FRAMING AND 5/S1.2 FOR OPENINGS IN PLYWOOD SHEARWALL.
 - SEE DETAILS 10/S1.2 AND 15/S1.2 FOR SHEARWALL INTERSECTION AT TS COLUMNS AND 20/S1.2 FOR INTERSECTING SHEARWALLS.
 - NO HOLDOWNS ARE REQUIRED WHERE STEEL COLUMNS OCCUR AT THE EDGE OF THE PLYWOOD SHEARWALL. SEE DETAILS 10/S1.2 AND 15/S1.2 FOR ATTACHMENT OF SHEARWALL TO THE STEEL COLUMN.
 - THE LOCATION AND ELEVATION OF THE FOUNDATION FORMS SHALL BE CERTIFIED BY A LICENSED SURVEYOR/REGISTERED CIVIL ENGINEER ON A FORM PROVIDED BY THE CITY BEFORE APPROVAL OF THE FOUNDATION BY THE BUILDING AND SAFETY DIVISION.
 - FOUNDATION EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY BOTH THE GEOLOGICAL AND GEOTECHNICAL CONSULTANTS PRIOR TO PLACEMENT OF STEEL OR CONCRETE. A MEMORANDUM SIGNED BY BOTH CONSULTANTS INDICATING THAT THIS INSPECTION AND APPROVAL HAS BEEN COMPLETED SHALL BE PROVIDED AT THE JOB SITE FOR THE BUILDING INSPECTOR AT FOUNDATION INSPECTION.
 - PRE-SATURATION MEMO FROM SOILS ENGINEER REQUIRED PRIOR TO PRE-SLAB INSPECTION.
 - WHERE WALLS EXCEED 4'-0" IN HEIGHT/DEPTH FOR ANY REASON, REINFORCING MINIMUM #4@24" O.C. BOTH WAYS.

FOUNDATION PLAN

SCALE: 1/8" = 1'-0"