TESTING LABORATORY: _____ DATE: _____

NAME: CSM-ATHLETIC FIELD PHASE 2

DISTRICT/OWNER: CSM COLLEGE DIST.

DIVISION-FILE NO. _____ APPLICATION NO. _____

ARCHITECT: DES

STRUCTURAL ENGINEER: TSA STRUCTURAL ENGINEERS INC.

STATE OF CALIFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT

STRUCTURAL TESTS AND INSPECTIONS *

SSS 103-1 (R 9/94)

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

	CON-CRETE	GUNITE	GROUT	MORTAR	
COMPACTED FILL					
X Fill material, acceptance tests					Test of aggregates for mix design only
X Compaction control, continuous — PER GEOTECH. ENGINEER					Suitability tests of aggregates as detailed below
X Compaction tests only as ordered					Mix designs (Method B)
Bearing capacity of compacted fill					Continuous batch plant inspection (Weight Master Cert.)
REINFORCING STEEL — #5 OR LARGER					Inspect placing
X Sample and test bar steel					Sample
Sample and test mesh					Compression tests
X Inspect placing at job — DEPT BUILDING INSP.					Pick up samples at job
STRUCTURAL STEEL					Samples delivered to laboratory
X Sample and test as detailed below					Deliver sample forms to jobsite
Shop fabrication inspection *					Sample and test cement, Grab Sample
Field erection inspection					
X Inspection of welds — Shop					
X Inspection of welds — Field					
Inspection of riveting or bolting — Shop					
Inspection of riveting or bolting — Field					
X Sample and test high strength bolts and washers					
BRICK AND BLOCK					
Sample and test					
Test only (Site Prisms)					
Inspection of placing					
Core drill samples					
GLUED LAMINATED STRUCTURAL LUMBER					
X Fabrication inspection					
Sample and test steel accessories					
Inspect fabrication of steel accessories					

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
Sodium sulphate				
Structural strength				
Los Angeles rattler	* @ LABS DISCRETION			
Clay (Hydrometer method)				
Reactivity tests				
Volume change				

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM 28 DAYS					
CONC.FTG	1"	3000					
CONC. SLAB	3/4	2500					

List of structural steel members to be tested:

UNIDENTIFIED STRUCTURAL STEEL PER CBC 2001, CHAP 21A

Other Tests and Inspections, together with special instructions:

EXPANSION ANCHORS PER DRAWINGS

Copies of Reports To:

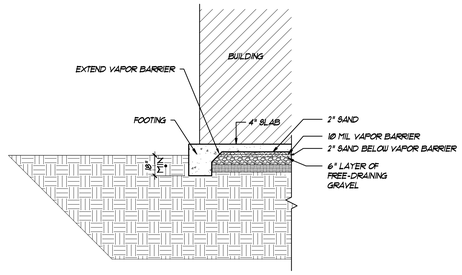
IOR — DISTRICT
DSA — CONTRACTOR
ARCHITECT — SEOR

By: _____
AUTHORIZED REPRESENTATIVE

TESTFORM.DWG 5-27-98 2:41:06 pm EST

FOR REFERENCE ONLY

* REFER TO APPROVED T&I LIST



1 SOILS REQUIREMENT

NTS.

A. GENERAL:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PROJECT DOCUMENTS, APPLICABLE REQUIREMENTS OF THE 2001 EDITION OF THE CALIFORNIA BUILDING CODE (CBC,) AND ALL LOCAL ORDINANCES, CODES AND OTHER REQUIREMENTS.
2. THE DOCUMENTS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS SUBJECT TO REVIEW BY THE ARCHITECT/ENGINEER. NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS IN THE EVENT OF A CONFLICT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES, SHALL CHECK ALL DIMENSIONS AND ELEVATIONS, AND SHALL COORDINATE THE DOCUMENTS WITH CONDITIONS AT THE SITE PRIOR TO THE START OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
4. THE CONTRACT DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INCLUDE METHODS, PROCEDURES OR SEQUENCES OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, GUYS AND BRACING. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, REGULATIONS AND ORDINANCES.
5. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. PRIOR TO SUBMITTAL, THE SHOP DRAWINGS SHALL HAVE BEEN STAMPED INDICATING THAT THE CONTRACTOR HAS VERIFIED ALL QUANTITIES, DIMENSIONS, FIELD CONSTRUCTION CRITERIA, MATERIALS, AND SIMILAR DATA.
6. THE CONTRACTOR SHALL RESTORE AND REPAIR ADJACENT GROUNDS OR STRUCTURES THAT ARE CHANGED, MODIFIED, REMOVED OR DAMAGED DURING THE CONSTRUCTION SHOWN IN THESE DRAWINGS.
7. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION NOT NOTED.
8. REQUESTS FOR SUBSTITUTION SHALL BE ACCOMPANIED BY MANUFACTURER'S APPROVED PRODUCT EVALUATIONS REPORTS (ICBO REPORTS) AND A LIST OF ALL PROPOSED SUBSTITUTIONS TO THE ARCHITECT/ENGINEER AND ORS FOR REVIEW AND WRITTEN APPROVAL PRIOR TO FABRICATION OR USE.
9. PIPES, DUCTS, SLEEVES, CHASES, ETC. SHALL NOT BE PLACED IN SLABS, BEAMS OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED. NO STRUCTURAL MEMBER WILL BE CUT FOR PIPES, DUCTS, ETC. UNLESS SPECIFICALLY SHOWN. OBTAIN PRIOR WRITTEN APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, AND GROUP OF PIPES ETC.
10. THE USE OF NEW CONSTRUCTION FOR THE SUPPORT/STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS IS RESTRICTED TO THE DESIGN CAPACITY OF THE NEW CONSTRUCTION AT THE TIME IT IS TO BE USED FOR SUCH SUPPORT. PLACE MATERIAL OR EQUIPMENT SO AS NOT TO EXCEED THE CAPACITY OF INDIVIDUAL ELEMENTS. CONTRACTOR TO PROVIDE ADEQUATE, ENGINEERED SHORING WHERE DESIGN CAPACITY IS NOT SUFFICIENT.
11. CHANGES TO DRAWINGS ARE NOT ALLOWED WITHOUT PRIOR WRITTEN APPROVAL.
12. TSA STRUCTURAL ENGINEERS IS NOT RESPONSIBLE FOR ANY HAZARDOUS AND TOXIC MATERIAL SUCH AS ASBESTOS, MOLD, ETC. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT & ELIMINATE THE PRESENCE OF HAZARDOUS MATERIALS

B. DIMENSIONS:

1. THESE DRAWINGS WERE PREPARED WITH THE INTENTION THAT ALL ELEVATIONS AND HORIZONTAL DIMENSIONS THAT ARE NOT SHOWN DIRECTLY ON THE DRAWINGS ARE INFERABLE FROM THE DRAWINGS. IT IS INTENDED THAT THE CONTRACTOR USE THE ENTIRE SET OF DRAWINGS TO ESTABLISH VERTICAL AND HORIZONTAL CONTROL FOR THE PROJECT. THE DRAWINGS FOR EACH DISCIPLINE ARE TO BE CONSIDERED AS COMPLIMENTARY TO EACH OTHER, NOT SELF-SUFFICIENT. CONTRACTOR TO FIELD VERIFY EXISTING DIMENSIONS AND REPORT ANY DISCREPENCIES TO ARCHITECT.
2. THE STRUCTURAL DRAWINGS ALONE DO NOT INCLUDE ALL DIMENSIONS NECESSARY TO LOCATE STRUCTURAL MEMBERS, SLAB EDGES, SLAB OPENINGS, EMBEDDED ITEMS, CURBS, DEPRESSIONS, ETC.
3. DO NOT SCALE DRAWINGS.
4. USING THE COMPLETE SET OF DRAWINGS, THE CONTRACTOR SHALL PREPARE A LAYOUT PLAN ESTABLISHING ELEVATIONS, HORIZONTAL DIMENSIONS, AND OTHER RELATIONSHIPS NOT SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS.

C. INSPECTIONS AND OBSERVATIONS:

1. OWNER WILL EMPLOY AND PAY FOR THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM SPECIFIED INSPECTIONS AND TESTING.
2. SPECIAL INSPECTOR (IOR) SHALL BE APPROVED BY THE ARCHITECT/ENGINEER AND DSA.
3. EMPLOYMENT OF TESTING LABORATORY SHALL NOT RELIEVE CONTRACTOR OF OBLIGATION TO PERFORM WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
4. CONTRACTOR SHALL COOPERATE WITH THE TESTING LABORATORY TO FACILITATE THE EXECUTION OF THE LABORATORY'S SERVICES.
5. TESTING LABORATORY SHALL PERFORM SPECIAL INSPECTION OF THE FOLLOWING ITEMS PER CBC SECT 1702A : (REFER TO THE TESTING AND INSPECTION LIST)

   A. CONCRETE AND REINFORCING STEEL.
   B. ANCHORS INSTALLED IN CONCRETE.
   C. WELDING OF STRUCTURAL STEEL. (FIELD & SHOP)
   E. SOILS RELATED WORK.
   F. GLUE LAMINATED BEAMS.
   G. STRUCTURAL STEEL.
   H. EXPANSION BOLTS
   I. MASONRY
   J. NAILING OF SHEAR WALLS AND ROOF DIAPHRAMS

   DUTIES OF SPECIAL INSPECTOR FOR EACH REQUIRED SPECIAL INSPECTIONS PER CBC SECT. 1704.3.5
   TESTING LAB SHALL REVIEW AND APPROVE CONCRETE MIX DESIGNS.
6. TESTING LABORATORY SHALL SUBMIT COPIES OF TESTING REPORTS TO ARCHITECT/ ENGINEER, TO THE OWNER, TO ORS AND TO THE CONTRACTOR, AND I OR.
7. THE ENGINEER OF RECORD WILL MAKE PERIODIC STRUCTURAL OBSERVATIONS DURING CONSTRUCTION PER SECT. 1702A. THE ENGINEER WILL SUBMIT WRITTEN VERIFICATION THAT THE STRUCTURAL SYSTEM IS IN GENERAL CONFORMANCE WITH THE INTENT OF THE STRUCTURAL DESIGN AND THE APPROVED CONTRACT DOCUMENTS.
   STRUCTURAL OBSERVATIONS OF THE FOLLOWING ITEMS IS REQUIRED:

   A. FOUNDATION EXCAVATION AND REINFORCING STEEL PLACEMENT.
   B. STRUCTURAL FRAMING AND SHEAR WALL AND ROOF NAILING.
   C. PRIOR TO PLACING CONCRETE.
   D. AT THE COMPLETION OF THE STRUCTURAL SYSTEMS PRIOR TO COVERING WITH FINISHES.

   STRUCTURAL OBSERVATIONS DO NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE SPECIAL INSPECTIONS REQUIRED.
8. THE GEOTECHNICAL ENGINEER OF RECORD SHALL OBSERVE ALL FOUNDATION EXCAVATIONS AND PAD CONSTRUCTION TO VERIFY COMPLIANCE WITH THE INTENT OF THE GEOTECHNICAL REPORT. WRITTEN VERIFICATION SHALL BE SUBMITTED TO THE OWNER, CONTRACTOR, ORS, AND ARCHITECT/ENGINEER.

E. DESIGN CRITERIA:

1. APPLICABLE CODE: CALIFORNIA CODE OF REGULATIONS, 2001 EDITION (CCR) TITLE 24, PART 2, ALSO REFERRED TO AS CALIFORNIA BUILDING CODE (CBC) WITH DIVISION OF THE STATE ARCHITECT/STRUCTURAL SAFETY SECTION.
2. ALL NEW CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE 2001 CBC.
3. VERTICAL LOADS:
   1. ROOF LIVE LOADS: 20 PSF (REDUCIBLE)
   2. ROOF DL = 18 psf
4. LATERAL LOADS:
   1. SEISMIC: $Z = 0.3$ $I = 1.5$

      $R = 2.2$
      $Na = 1.5$ $Ca = 0.44 Xa 1.5$
      SOIL = Sd

      $V = \frac{2.5 Ca I W}{R}$
   2. WIND: EXPOSURE C, BASIC WIND SPEED = 80 MPH, $I = 1.15$

F. FOUNDATION NOTES

1. SEISMIC CRITERIA HAS BEEN ESTABLISHED BASED ON THE SOILS REPORT
2. ALLOWABLE SOIL BEARING PRESSURES ON SOIL ARE:

   DEAD + LIVE LOADS — 1,000 PSF
   DEAD + LIVE + SEISMIC LOADS — 1,330 PSF

   FOOTINGS SHALL EXTEND A MINIMUM 18" INCHES BELOW LOWEST ADJACENT GRADE AND SHALL BEAR ENTIRELY ON SOIL. DEEPER FOOTING MAY BE REQUIRED BASED ON THE FIELD CONDITION AND AS DIRECTED BY THE SOILS ENGINEER AFTER EXCAVATION
3. EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SIZE AND SHAPE OF THE STRUCTURE. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
4. ALL FOUNDATION EXCAVATIONS MUST BE REVIEWED AND APPROVED BY THE SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
5. VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATION. NOTIFY ARCHITECT PRIOR TO EXCAVATION IN THE EVENT SUCH UTILITIES ARE ENCOUNTERED.
6. FOR DRAINAGE DETAILS, SUMPS, PITS, DAMP PROOFING, TRENCHES, CURBS, EXTERIOR WALKS, UTILITIES, EQUIPMENT DETAILS, STEPS, ETC., SEE DRAWINGS OTHER THAN STRUCTURAL.

G. CONCRETE MATERIAL

1. REINFORCING STEEL:
   a. BARS: ASTM A615, GRADE 60.
   b. WELDED BARS: ASTM A706, GRADE 60.
   c. ALL CONCRETE SHALL BE REINFORCED UNLESS SPECIFICALLY MARKED 'NOT REINFORCED'.
2. CONCRETE CLASSES: SEE SPECIFICATIONS FOR REQUIREMENTS.

CLASS	WT.	STRENGTH
FOUNDATIONS,	145 PCF	3,000 PSI

3. MINIMUM CONCRETE COVER FOR REINFORCING STEEL:
   a. SURFACES PLACED AGAINST EARTH 3"
   b. FORMED SURFACES BELOW GRADE 2"
   c. SURFACES EXPOSED TO WEATHER 2"
      (#4 & #5 EXPOSED TO WEATHER 1½")
   d. EXTERIOR WALL AT EXTERIOR FACE 1-1/2"
   e. SLABS AND WALLS NOT EXPOSED TO WEATHER 3/4"
4. FINISH: SLABS ACI 301 "FLOATED FINISH".
5. EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT II (KB-II) AS MANUFACTURED BY: HILTI CORPORATION OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATION.
6. EPOXY FOR DOWELS SHALL BE HIS 200 SOLID BOND AS MANUFACTURED BY ANCHOR-IT FASTENING SYSTEMS, CIA-GEL AS MANUFACTURED BY COVERT OPERATIONS, HIT AS MANUFACTURED BY HILTI OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
7. CONCRETE MIX DESIGN SHALL BE REVIEWED AND APPROVED BY THE TESTING LAB

H. STEEL MATERIAL

1. W SHAPES AND PLATES: ASTM A572, GRADE 50
2. PIPES: ASTM A53, GRADE B
3. MACHINE BOLTS ASTM A307.
4. ANCHOR RODS: ASTM F554 GRADE 36
5. WELDING ELECTRODES: E-70XX.
6. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED (G60).
7. WELDED WIRE FABRIC: ASTM A185
8. SPIRAL TIES: ASTM A82
9. TS A500 GRADE C.

I. STRUCTURAL SPECIFICATIONS:

REFER TO STRUCTURAL SPECIFICATION SECTIONS:

03100	CONCRETE FORMWORK
03200	CONCRETE REINFORCEMENT
03300	CAST-IN-PLACE CONCRETE
03600	CONCRETE TEST AND INFECTIONS.
04200	CONCRETE MASONRY BLOCK
05120	STRUCTURAL STEEL
06100	ROUGH CARPENTRY
06130	GLUED-LAMINATED BEAM

J. TIMBER MATERIAL

1. FRAMING LUMBER - DOUGLAS FIR
   a. JOISTS, RAFTERS, STUDS AND PLATES: NO.1
   b. POSTS, BEAMS, AND HEADERS: NO.1
   c. BLOCKS: STUD GRADE OR BETTER
   d. ALL LUMBER IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE TREATED AND STAMPED BY INSPECTION AGENCY. FIELD TREAT ALL SILLS WHERE CUT, DRILLED, OR NOTCHED, WITH PRESERVATIVE.
2. GLUED-LAMINATED BEAMS:
   a. 24F-V4 DF/DF FOR SIMPLE SPANS AND 24F-V8 DF/DF FOR CANTILEVERED AND CONTINUOUS BEAMS.
   b. INDUSTRIAL GRADE TYP. ARCHITECTURAL GRADE IF EXPOSED.
3. PLYWOOD SHEATHING:
   a. WALL SHEATHING: 15/32 INCH STRUCTURAL I APA RATED, EXPOSURE I, TYP. 19/32 INCH STRUCTURAL I APA RATED EXPOSURE 1 AT LOCATIONS INDICATED ON PLANS.
   b. ROOF SHEATHING: 15/32" C-D STRUCTURAL I, APA RATED 32/16 EXPOSURE I, 3/4" EXP 1, APA RATED 24/16
4. FRAMING HARDWARE: AS MANUFACTURED BY SIMPSON STRONG-TIE CO. OR APPROVED EQUIVALENT. SIMPSON DESIGNATIONS ARE USED ON THE DRAWINGS.
5. NAILS: COMMON WIRE GAGE. PREBORE HOLES WITH DIAMETER NOT EXCEEDING 3/4 OF THE NAIL DIAMETER WHERE NAILING TENDS TO SPLIT WOOD. PREBORE ALL HOLES IN EXISTING MEMBERS. REPLACE SPLIT MEMBERS. NAILING TO CONFORM TO CBC TABLE 23A-II-B-1 UNLESS NOTED OTHERWISE. NAILS INTO PRESSURE TREATED LUMBER SHALL BE GALVANIZED
6. MACHINE APPLIED NAILS: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOB SITE DEMONSTRATION FOR EACH PROJECT AND APPROVAL BY THE STRUCTURAL ENGINEER AND THE OFFICE OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. IF NAIL HEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER, OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD, NOR IS IT APPROVED FOR USE ON DOUBLE SIDED PLYWOOD SHEAR WALLS.
   REFERENCE 2001 CALIFORNIA BUILDING CODE SECTION 2305A-3.3
7. UPSET THREATS ARE NOT ALLOWED
8. RETIGHTEN BOLTS BEFORE CLOSE-IN

ABBREVIATIONS:

A	
AB	ANCHOR BOLT
ABV	ABOVE
AC	AIR CONDITIONING
ADJ	ADJACENT
@	AT
B	
BLDG	BUILDING
BLK/BLKG	BLOCK / BLOCKING
BLW	BELOW
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
C	
C	AMERICAN STANDARD CHANNEL
CB	CARRIAGE BOLT
℄	CENTERLINE
CJ	CONTROL JOINT
CLG	CEILING
CLR	CLEAR,
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CP	COMPLETE PENETRATION
CMU	CONCRETE MASONRY UNIT
CBK	CONTINUE BACK
CW	CUT WASHER
D	
DBL	DOUBLE
DF	DOUGLAS FIR
DIA or ∅	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DJ	DOWEL JOINT
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DWG	DRAWING
E	
EA	EACH
EE	EACH END
EF	EACH FACE
ELEC	ELECTRICAL
ELEV	ELEVATION
EMBED	EMBEDMENT
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXIST or (E)	EXISTING
EXP	EXPANSION
F	
FDN	FOUNDATION
FIN	FINISH
FG	FINISH GRADE
FLI	FERRELLE LOOP INSERT
FLR	FLOOR
FV	FACE NAIL
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FRMG	FRAMING
FTG	FOOTING
FR	FAR SIDE
G	
GA	GAGE or GAUGE
GALV	GALVANIZED
GLB	GLUE LAMINATED BEAM
GR	GRADE
H	
HD	HOLDDOWN
HGR	HANGER
HORIZ	HORIZONTAL
HS	HIGH STRENGTH
HSB	HIGH STRENGTH BOLT
HSFB	HIGH STRENGTH FRICTION BOLT
HSG	HIGH STRENGTH GROUT
HSH	HORIZONTALLY SLOTTED HOLE
HT	HEIGHT
I	
ID	INSIDE DIAMETER
LI	I SHAPED WOOD BUILT-UP TRUSS
J	
JST	JOIST
JT	JOINT
L	
L or ∠	STEEL ANGLE
LGP	LIGHT GAGE METAL FRAMING
LGFRC	LIGHT GAGE METAL FRAMING CONTRACTOR
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
M	
MAX	MAXIMUM
MB	MACHINE BOLT
MBMF	METAL BUILDING MANUFACTURER
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MSI	MALLEABLE IRON WASHER
MTL	METAL
N	
(N)	NEW
NIC	NOT IN CONTRACT
NO or #	NUMBER
NS	NEAR SIDE
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
OW	OTHERWISE
P	
PL	PLATE or PROPERTY LINE
PNEN	PANEL EDGE NAILING
PLY	PLYWOOD
PLF	POUNDS PER LINEAR FOOT
PNL	PANEL
PP	PARTIAL PENETRATION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTB	PANEL TIE BLAM
PTDF	PRESSURE TREATED DOUGLAS FIR
PT	POINT
R	
R	RADIUS
RAFTR	RAFTER
REF	REFERENCE
REINF	REINFORCING
REQ'D	REQUIRED
REV	REVISION
RF	ROOF
S	
SAD	SEE ARCHITECTURAL DRAWINGS
SB	SOLID BLOCKING
SCHED	SCHEDULE
SED	SEE ELECTRICAL DRAWINGS
SIM	SIMILAR
SMD	SEE MECHANICAL DRAWINGS
SOD	SEE OTHER DETAILS
SPCG	SPACING
SPEC	SPECIFICATION
SQ	SQUARE
SS	SELECT STRUCTURAL or STAINLESS STEEL
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SW	SHEAR WALL
SYTH	SYTHETRICAL
T	
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
THK	THICK
THRD	THREADED
THRU	THROUGH
TL	TOTAL LOAD
TN	TOE NAIL
TOC	TOP OF CONCRETE
TOF	TOP OF FRAMING
TOM	TOP OF MASONRY
TOP	TOP OF PLYWOOD
TOS	TOP OF STEEL (SLAB)
TOT	TOTAL
TS	STRUCTURAL TUBE STEEL
TU	TILT-UP
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
VERT	VERTICAL
VSH	VERTICALLY SLOTTED HOLE
W	
W	WIDE FLANGE STEEL BEAM
W	WITH
W/O	WITHOUT
WD	WOOD
WP	WORKING POINT or WATERPROOF
WT	WEIGHT
WWF	WELDED WIRE FABRIC

DES ARCHITECTS ENGINEERS

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SAN JOSE, CA. 95112
Ph: (408) 279-2277
Fax: (408) 279-2281

SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT ATHLETIC FIELDS PHASE 2 INCREMENT 1A

COLLEGE OF SAN MATEO
SOFTBALL FIELD
1700 W. Hillsdale Blvd.
San Mateo, Ca. 94402

GENERAL NOTES

ISSUE:	DATE:	DESCRIPTION:
	10/23/06	DSA
	01/22/07	REVISED
	03/07/07	REVISED

DRAWN BY: SL

REVIEWED BY: TS.

APPROVED BY: TS.

DES PROJECT NO.: 0000.000

TSA STRUCTURAL ENGINEERS
433 Airport Blvd, Ste 106E
Burlingame, Ca 94010
Tel. (650) 620-9555
Fax (650) 620-9559
E-mail: tsa@tsase.com

C-28933 12/31/07 RENEWAL

REGISTERED PROFESSIONAL ENGINEER ANTOINE SAMRA No. 3854 Exp. 3-31-07 STRUCTURAL STATE OF CALIFORNIA

SHEET NO.

- S0.01