EXISTING CONDITION NOTES

1. THIS CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. CONTRACTOR SHALL COMPARE THE MECHANICAL DRAWINGS WITH ARCHITECTURAL, STRUCTURAL, CIVIL, PLUMBING, AND ELECTRICAL DRAWINGS AND THE DRAWINGS OF OTHER TRADES BEFORE COMMENCING WITH THE WORK AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES REQUIRING CLARIFICATION OR REVISION. DO NOT SCALE DRAWINGS.
2. MECHANICAL SYSTEMS SHOWN ARE BASED ON FIELD SITE VISITS AND ON THE AVAILABLE ORIGINAL MECHANICAL DRAWINGS. ACTUAL LOCATIONS OF EXISTING MECHANICAL EQUIPMENT, DUCT AND PIPING MAY VARY FROM THOSE SHOWN ON THESE DRAWINGS.
3. ALL EXISTING CONDITIONS HAVE BEEN SHOWN AS ACCURATELY AS POSSIBLE. ALL EXISTING CONDITIONS ARE TO BE FIELD VERIFIED. CONTRACTOR IS TO INCLUDE IN HIS BID, ADJUSTMENTS TO THE WORK AS REQUIRED TO ACCOMMODATE THE ACTUAL FIELD CONDITIONS.

SITE VISIT PRIOR TO BID SUBMISSION

1. VISIT THE SITE OF THE WORK. COMPARE THE EXISTING CONDITIONS WITH THE DRAWINGS AND SPECIFICATIONS AS TO THE CONDITIONS TO WHICH WORK IS TO BE PERFORMED. ASCERTAIN AND CHECK ALL CONDITIONS AND ELEVATIONS AND TAKE ALL MEASUREMENTS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE FOR ANY ADDITIONAL EXPENSES OR CLAIMS DUE TO THE FAILURE OR NEGLECT UNDER THIS SECTION TO MAKE SUCH EXAMINATION, INCLUDING EXAMINATION OF RESTRICTED WORKING CONDITIONS OR SUCH OTHER DIFFICULTIES VISUALLY OBSERVED DURING THE SITE VISIT.
2. ALL EXISTING CONDITIONS HAVE BEEN SHOWN AS ACCURATELY AS POSSIBLE. ALL EXISTING CONDITIONS ARE TO BE FIELD VERIFIED. CONTRACTOR IS TO INCLUDE IN HIS BID ADJUSTMENTS TO THE WORK AS REQUIRED TO ACCOMMODATE THE ACTUAL FIELD CONDITIONS.

DUCT/PIPING BRACING GUIDELINES

1. PIPING AND DUCTWORK SYSTEMS SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN ASCE 7-05 13.3 AS DEFINED IN ASCE 7-05 SECTIONS 13.6.8, 13.6.7 AND 13.6.5.5 ITEM 6 RESPECTIVELY.
2. THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS WITH OPA # SUCH AS MASON INDUSTRIES (OPA 349), OR ISAT (OPA 485) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.
3. COPIES OF THE PRE-APPROVAL MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE AND DUCTWORK SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

SEISMIC BRACING NOTES

1. ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES AS APPROVED BY DSA.
2. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINE, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE DSA FIELD ENGINEER.
3. A COPY OF THE GUIDELINES PUBLISHED BY SMACNA AND APPROVED BY DSA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB AT ALL TIMES.

MECHANICAL LEGEND AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
(S)		SWITCH OR SENSOR – MOUNT AT +48" AFF
(T)		THERMOSTAT – MOUNT AT +48" AFF
(4)		SHEET NOTE DESIGNATION
(M)		ITEM FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR
(E)		ITEM FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR
(P)		ITEM FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR
1 / M2.1		DETAIL REFERENCE – UPPER NUMBER=DETAIL NUMBER, LOWER NUMBER=SHEET NUMBER
AC 1		EQUIPMENT TAG
		EXISTING DUCT, PIPING OR EQUIPMENT TO REMAIN
		EXISTING DUCT, PIPING OR EQUIPMENT TO BE REMOVED

ABBREVIATION	DESCRIPTION
ø	DIAMETER
ø	PHASE
AC, A/C	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
ALT.	ALTERNATE
AP	ACCESS PANEL
APPROX.	APPROXIMATE
ARCH.	ARCHITECT, ARCHITECTURAL
BD	BOTTOM OF DUCT
BF	BELOW FLOOR
BG	BELOW GRADE
BLDG.	BUILDING
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CKT.	CIRCUIT
℄	CENTERLINE
CLG	CEILING
CONC.	CONCRETE
CONN.	CONNECTION
CONT.	CONTINUATION
CONTR.	CONTRACTOR
CTE	CONNECT TO EXISTING
DF	DOUGLAS FIR
DI	DIGITAL INPUT
DIA.	DIAMETER
DIM.	DIMENSION
DIV.	DIVISION
DN	DOWN
DSA	DIVISION OF THE STATE ARCHITECT
DWG	DRAWING
DWGS.	DRAWINGS
(E)	EXISTING
EAT	ENTERING AIR TEMPERATURE
EFF.	EFFICIENT, EFFICIENCY
ELEC.	ELECTRICAL
ELEC. CHAR.	ELECTRICAL CHARACTERISTICS
ELEV.	ELEVATION
EMBED.	EMBEDMENT
ENT.	ENTERING
EQ.	EQUAL
EXH	EXHAUST
EXIST.	EXISTING
FF, F.F.	FINISHED FLOOR
FT.	FEET
FPS	FEET PER SECOND
GA.	GAUGE
GAL.	GALLON
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GSM	GALVANIZED SHEET METAL
GYP. BD.	GYPSUM BOARD

ABBREVIATION	DESCRIPTION
H & V, HV	HEATING AND VENTILATING
HT.	HEIGHT
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
IFC	IN FURRED CEILING
IN.	INCH, INCHES
(2"L), (1"L), OR (L)	LINED DUCT – ALL DIMENSIONS SHOWN ARE NET CLEAR INSIDE DIMENSIONS. DUCTS ARE TO BE INCREASED IN SIZE TO ACCOMMODATE LINING, WITHOUT LOSS OF AREA. (2"L) INDICATES 2" THICK, 3 PCF LINING; (1"L) OR (L) INDICATES 1" THICK, 1.5 PCF LINING.
LBS., #	POUNDS
LVG.	LEAVING
MAT'L, MATL.	MATERIAL
MAX.	MAXIMUM
MBH	1,000 BTU/HR.
MECH.	MECHANICAL
MED.	MEDIUM
MFG.	MANUFACTURER
MIN.	MINIMUM
MIN.	MINUTE
MTD.	MOUNTED
(N)	NEW
NIC, N.I.C.	NOT IN CONTRACT
NO	NORMALLY OPEN
OC	ON CENTER
O.D.	OUTSIDE DIAMETER
OPNG.	OPENING
OSA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
PCF	POUNDS PER CUBIC FOOT
PLMB.	PLUMBING
POC	POINT OF CONNECTION
PRESS.	PRESSURE
PSI	POUNDS PER SQUARE INCH
R	RADIUS
REF.	REFERENCE
REQD.	REQUIRED
REV.	REVISION
RHWS	ROUND HEAD WOOD SCREWS
SAD	SEE ARCHITECTURAL DRAWINGS
SED	SEE ELECTRICAL DRAWINGS
SF, S.F.	SQUARE FEET
SIM	SIMILAR
SM	SHEET METAL
SPD	SEE PLUMBING DRAWINGS
SS	STAINLESS STEEL – TYPE 316 UNO
SSD	SEE STRUCTURAL DRAWINGS
STL.	STEEL
TD	TOP OF DUCT
TS, T.S.	TOP OF STEEL
TS, T.S.	TUBE STEEL
TYP.	TYPICAL
UL, U.L.	UNDERWRITERS' LABORATORY
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
WG	WATER GAGE
W.O.G.	WATER OIL GAS
W.P.	WATERPROOF
W/	WITH

MECHANICAL LIST OF DRAWINGS

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IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPLICATION NUMBER 01- 111618
AC _____ FLS _____ SS _____
DATE

CALIFORNIA STATE FIRE MARSHAL APPROVED
APPROVAL OF THIS PLAN DOES NOT AUTHORIZE OR APPROVE ANY OMISSION OR DEVIATION FROM APPLICABLE REGULATIONS. FINAL APPROVAL IS SUBJECT TO FIELD INSPECTION. ONE SET OF APPROVED PLANS SHALL BE AVAILABLE ON THE PROJECT SITE AT ALL TIMES.
REVIEWED BY: _____ DATE:

CAÑADA COLLEGE

Electrical Infrastructure Replacement Project

4200 Farm Hill Blvd
Redwood City, CA 94061

RECORD SET

SHEET TITLE
MECHANICAL LEGEND AND NOTES

REVISIONS

NO.	DATE	DESCRIPTION

DATE June 15, 2012
DRAWN VT/AL
CHECKED MW
SCALE NO SCALE
JOB NO. 2921.01

SHEET NUMBER
M0.1