

EXISTING CONDITION NOTES

- 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.
- 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.
- 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

- 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.
- 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

- 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 13.6.6, 13.6.7 AND 13.6.5.5 ITEM 6 RESPECTIVELY.
- THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS WITH OPA # SUCH AS MASON INDUSTRIES (OPA 344), OR ISAT (OPA 425) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 308, APPENDIX D.
- 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

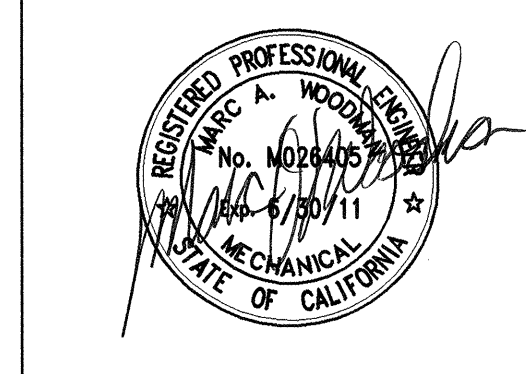
- ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES AS APPROVED BY DSA.
- WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINE, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE DSA FIELD ENGINEER.
- A COPY 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	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
(S)		SWITCH OR SENSOR - MOUNT AT +48" AFF	Ø	DIAMETER	H & V, HV	HEATING AND VENTILATING
(T)		THERMOSTAT - MOUNT AT +48" AFF	Ø	PHASE	HT.	HEIGHT
(4)		SHEET NOTE DESIGNATION	AC, A/C	AIR CONDITIONING	HVAC	HEATING, VENTILATING AND AIR CONDITIONING
(M)		ITEM FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR	AFF	ABOVE FINISHED FLOOR	IFC	IN FURRED CEILING
(E)		ITEM FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR	ALT.	ALTERNATE	IN.	INCH, INCHES
(P)		ITEM FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR	AP	ACCESS PANEL	(2") (1"), 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") INDICATES 2" THICK, 3 PCF LINING; (1") OR (L) INDICATES 1" THICK, 15 PCF LINING.
(I/M2)		DETAIL REFERENCE - UPPER NUMBER=DETAIL NUMBER, LOWER NUMBER=SHEET NUMBER	APPROX.	APPROXIMATE	LBS., #	POUNDS
(AC)		EQUIPMENT TAG	ARCH.	ARCHITECT, ARCHITECTURAL	LVS.	LEAVINGS
(I)		EXISTING DUCT, PIPING OR EQUIPMENT TO REMAIN	BD	BOTTOM OF DUCT	MATL, MATL.	MATERIAL
(I)		EXISTING DUCT, PIPING OR EQUIPMENT TO BE REMOVED	BF	BELOW FLOOR	MAX.	MAXIMUM
			BG	BELOW GRADE	MBH	1,000 BTU/HR.
			BLDG.	BUILDING	MECH.	MECHANICAL
			CFH	CUBIC FEET PER HOUR	MED.	MEDIUM
			CFM	CUBIC FEET PER MINUTE	MFG.	MANUFACTURER
			CKT.	CIRCUIT	MIN.	MINIMUM
			CL	CENTERLINE	MIN.	MINUTE
			CLG	CEILING	MTD.	MOUNTED
			CONC.	CONCRETE	(N)	NEW
			CONN.	CONNECTION	NIC, N.I.C.	NOT IN CONTRACT
			CONT.	CONTINUATION	NO	NORMALLY OPEN
			CONTR.	CONTRACTOR	OC	ON CENTER
			CTE	CONNECT TO EXISTING	O.D.	OUTSIDE DIAMETER
			DF	DOUGLAS FIR	OPNS.	OPENING
			DI	DIGITAL INPUT	OSA	OUTSIDE AIR
			DIA.	DIAMETER	PC	PLUMBING CONTRACTOR
			DIM.	DIMENSION	PCF	POUNDS PER CUBIC FOOT
			DIV.	DIVISION	PLMB.	PLUMBING
			DN	DOWN	POG	POINT OF CONNECTION
			DSA	DIVISION OF THE STATE ARCHITECT	PRESS.	PRESSURE
			DWS	DRAWINGS	PSI	POUNDS PER SQUARE INCH
			DWGS.	DRAWINGS	R	RADIUS
			(E)	EXISTING	REF.	REFERENCE
			EAT	ENTERING AIR TEMPERATURE	REQD.	REQUIRED
			EFF.	EFFICIENT, EFFICIENCY	REV.	REVISION
			ELEC.	ELECTRICAL	RHS	ROUND HEAD WOOD SCREWS
			ELEC. CHAR.	ELECTRICAL CHARACTERISTICS	SAD	SEE ARCHITECTURAL DRAWINGS
			ELEV.	ELEVATION	SED	SEE ELECTRICAL DRAWINGS
			EMBED.	EMBEDMENT	SF, S.F.	SQUARE FEET
			ENT.	ENTERING	SIM	SIMILAR
			EQ.	EQUAL	SM	SHEET METAL
			EXH	EXHAUST	SPD	SEE PLUMBING DRAWINGS
			EXIST.	EXISTING	SS	STAINLESS STEEL - TYPE 316 UNO
			FF, F.F.	FINISHED FLOOR	SSD	SEE STRUCTURAL DRAWINGS
			FT.	FEET	STL.	STEEL
			FPS	FEET PER SECOND	TD	TOP OF DUCT
			GA.	GAUGE	TS, T.S.	TOP OF STEEL
			GAL.	GALLON	TS, T.S.	TUBE STEEL
			GC	GENERAL CONTRACTOR	TYP.	TYPICAL
			GPM	GALLONS PER MINUTE	UL, UL.	UNDERWRITERS' LABORATORY
			GSM	GALVANIZED SHEET METAL	UNO	UNLESS NOTED OTHERWISE
			GYP. BD.	GYPSUM BOARD	VIF	VERIFY IN FIELD
					WG	WATER GAGE
					W.O.G.	WATER OIL GAS
					WP.	WATERPROOF
					W	WITH

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IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 APPLICATION NUMBER 0111618
 AC 115, PLS A, SEJE/AB
 DATE 2/9/11

CALIFORNIA STATE FIRE MARSHAL
 APPROVED
APPROVAL OF THIS PLAN DOES NOT AUTHORIZE OR APPROVE ANY DEVIATION OR DEVIATIONS 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

BID SET

SHEET TITLE
MECHANICAL LEGEND AND NOTES

REVISIONS		
NO.	DATE	DESCRIPTION

MECHANICAL LIST OF DRAWINGS
 M.O.1 MECHANICAL LEGEND AND NOTES
 M.I.1 MECHANICAL PARTIAL FLOOR PLANS - BUILDING 16

DATE January 14, 2011
 DRAWN VT
 CHECKED MW
 SCALE NO SCALE
 JOB NO. 2921.01

SHEET NUMBER
MO.1