

MECHANICAL LEGEND AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
	12"φ-4N	CEILING DIFFUSER WITH ROUND NECK - TITUS MODEL PAS. FRAME TO MATCH CEILING SYSTEM. THROW AS SHOWN (1N, 2N, 3N OR 4N). 24"x24" PERFORATED FACE WITH NECK SIZE AS SHOWN. FOR SUSPENDED TILE CEILINGS. COLOR: OFF-WHITE.		S	SWITCH OR SENSOR - MOUNT AT +48" AFF	HT.	HEIGHT
	12"x12"-4N	CEILING DIFFUSER WITH SQUARE NECK - TITUS MODEL MCD MODULAR CORE SUPPLY DIFFUSER. THROW AS SHOWN (1N, 2N, 3N OR 4N). SQUARE NECK SIZE AS SHOWN. PROVIDE PLENUM ON BACK OF DIFFUSER TO MATCH NECK SIZE. PLENUM HEIGHT AS REQUIRED FOR SIDE CONNECTION OF ROUND BRANCH DUCTING. FOR TOP DUCT CONNECTION, PROVIDE MIN. 4" TALL PLENUM. BORDER TYPE I FLUSH SURFACE MOUNT. FOR GYPSUM BOARD CEILING. COLOR: OFF-WHITE.		T	THERMOSTAT - MOUNT AT +48" AFF	HVAC	HEATING, VENTILATING AND AIR CONDITIONING
	9"x18"-4N	CEILING DIFFUSER WITH RECTANGULAR NECK - TITUS MODEL TDC LOUVERED FACE SUPPLY DIFFUSER. THROW AS SHOWN (1N, 2N, 3N OR 4N). RECTANGULAR NECK SIZE AS SHOWN. PROVIDE PLENUM ON BACK OF DIFFUSER TO MATCH NECK SIZE. PLENUM HEIGHT AS REQUIRED FOR SIDE CONNECTION OF ROUND BRANCH DUCTING. FOR TOP DUCT CONNECTION, PROVIDE MIN. 4" TALL PLENUM. BORDER TYPE I FLUSH SURFACE MOUNT. FOR GYPSUM BOARD CEILING. COLOR: OFF-WHITE.		4	SHEET NOTE DESIGNATION	HX	HEAT EXCHANGER
	12"φ-RAD	RADIAL AIR DIFFUSER - TITUS RADIATEC-AL. 48"x24" MODULE; 2-WAY PROFILE, RADIUSED, PERFORATED FACE, INTERIOR BAFFLES; 4" TALL BACKPAN. FRAME STYLE FOR SUSPENDED TILE CEILINGS, INLET NECK SIZE AS SHOWN. COLOR: WHITE.		M	ITEM FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR	IFC	IN FURRED CEILING
	46"x22"-R6 22"x22"-R6	RETURN GRILLE - TITUS MODEL PXP. PERFORATED RETURN PANEL. PROVIDE PLENUM ON BACK OF DIFFUSER TO MATCH NECK SIZE. PLENUM HEIGHT AS REQUIRED FOR SIDE CONNECTION OF ROUND BRANCH DUCTING. FOR TOP DUCT CONNECTION WHERE SHOWN ON THE DRAWINGS, PROVIDE MIN. 4" TALL PLENUM. FOR SUSPENDED TILE CEILINGS. COLOR: OFF-WHITE.		E	ITEM FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR	IN.	INCH, INCHES
	12"x12"-R6	RETURN GRILLE - TITUS MODEL SORL. ALL STEEL HEAVY DUTY BAR GRILLE. PROVIDE 4" DEEP "B" BOX WITH NECK SIZE AS SHOWN. FOR GYPSUM BOARD CEILINGS. COLOR: OFF-WHITE.		P	ITEM FURNISHED AND INSTALLED BY ENERGY MANAGEMENT (CONTROLS) CONTRACTOR	(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. (2L) INDICATES 2" THICK, 5 PCF LINING; (1L) OR (L) INDICATES 1" THICK, 15 PCF LINING.
	12"φ-ES	EXHAUST GRILLE WITH ROUND NECK - TITUS MODEL PAR. FRAME TO MATCH CEILING SYSTEM. 24"x24" PERFORATED FACE WITH NECK SIZE AS SHOWN. FOR SUSPENDED TILE CEILINGS. COLOR: OFF-WHITE.		I P21	DETAIL REFERENCE - UPPER NUMBER=DETAIL NUMBER, LOWER NUMBER=SHEET NUMBER	LBS., #	POUNDS
	46"x22"-ES 22"x22"-ES	EXHAUST GRILLE WITH RECTANGULAR NECK - TITUS MODEL PXP. PERFORATED EXHAUST PANEL. PROVIDE PLENUM ON BACK OF DIFFUSER TO MATCH NECK SIZE. PLENUM HEIGHT AS REQUIRED FOR SIDE CONNECTION OF ROUND BRANCH DUCTING. FOR TOP DUCT CONNECTION WHERE SHOWN ON THE DRAWINGS, PROVIDE MIN. 4" TALL PLENUM. FOR SUSPENDED TILE CEILINGS. COLOR: OFF-WHITE.		AC	EQUIPMENT TAG	LAN	LOCAL AREA NETWORK
	12"x12"-ES	EXHAUST GRILLE - TITUS MODEL SORL. ALL STEEL HEAVY DUTY BAR GRILLE. PROVIDE PLENUM ON BACK OF DIFFUSER TO MATCH NECK SIZE. PLENUM HEIGHT AS REQUIRED FOR SIDE CONNECTION OF ROUND BRANCH DUCTING. FOR TOP DUCT CONNECTION WHERE SHOWN ON THE DRAWINGS, PROVIDE MIN. 4" TALL PLENUM. FOR GYPSUM BOARD CEILINGS. COLOR: OFF-WHITE.			EXISTING DUCT, PIPING OR EQUIPMENT TO REMAIN	LVS.	LEAVING
	12"x12"-TG	TRANSFER GRILLE - TITUS MODEL SORL. ALL STEEL HEAVY DUTY BAR GRILLE. PROVIDE 4" DEEP "B" BOX WITH NECK SIZE AS SHOWN. FOR GYPSUM BOARD CEILINGS. COLOR: OFF-WHITE.			EXISTING DUCT, PIPING OR EQUIPMENT TO BE REMOVED	MATL. MATL.	MATERIAL
	18"x12"-SSR	SIDEWALL SUPPLY REGISTER - TITUS MODEL 300RS DOUBLE DEFLECTION ALL STEEL SIDEWALL REGISTER WITH OPPOSED BLADE DAMPER. FRONT BLADES PARALLEL TO SHORT DIMENSION. SIZE AS SHOWN. COLOR: OFF-WHITE.			CEILING ACCESS DOOR PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR	MAX.	MAXIMUM
	18"x12"-SR6	SIDEWALL RETURN GRILLE - TITUS MODEL SORL. ALL STEEL HEAVY DUTY BAR GRILLE WITH OPPOSED BLADE DAMPER. SIZE AS SHOWN. COLOR: OFF-WHITE.		3/4" UC	UNDER CUT DOOR. DIMENSION SHOWN IS AMOUNT OF UNDERCUT.	MBH	1,000 BTU/HR.
	18"x12"-SE6	SIDEWALL EXHAUST GRILLE - TITUS MODEL SORL. ALL STEEL HEAVY DUTY BAR GRILLE WITH OPPOSED BLADE DAMPER. SIZE AS SHOWN. COLOR: OFF-WHITE.		DL	DOOR LOUVER	MECH.	MECHANICAL
	18"x12"-ST6	SIDEWALL TRANSFER GRILLE - TITUS MODEL SORL. ALL STEEL HEAVY DUTY BAR GRILLE. SIZE AS SHOWN. COLOR: OFF-WHITE.		CHWS	CHILLED WATER SUPPLY PIPING	MED.	MEDIUM
		LINED DUCT - ALL DIMENSIONS SHOWN ARE NET CLEAR INSIDE DIMENSIONS. DUCTS ARE TO BE INCREASED IN SIZE TO ACCOMMODATE LINING, WITHOUT LOSS OF AREA.		CHWR	CHILLED WATER RETURN PIPING	MFG.	MANUFACTURER
		SQUARE TO ROUND FITTING - RECTANGULAR TO ROUND DUCT TRANSITION		HWS	HEATING HOT WATER SUPPLY PIPING	MIN.	MINIMUM
		GSM DUCT CONNECTION @ REGISTER		HWR	HEATING HOT WATER RETURN PIPING	MIN.	MINUTE
		SQUARE NECK REGISTER WITH PLENUM AND SIDE DUCT CONNECTION			2-WAY AUTOMATIC CONTROL VALVE	MTD.	MOUNTED
		FLEXIBLE DUCT			3-WAY AUTOMATIC CONTROL VALVE	(N)	NEW
	VD	VOLUME DAMPER		PRV	PRESSURE RELIEF VALVE	NC	NORMALLY CLOSED
	VD	CABLE OPERATED REMOTE VOLUME DAMPER. YOUNG REGULATOR MODEL 5020-1200 WITH 846-F5 CONCEALED CAP. INSTALL AT ALL DAMPERS LOCATED ABOVE GYP. BD. CEILING.		BFV	BUTTERFLY VALVE	NIC, N.I.C.	NOT IN CONTRACT
	FD/SD	FIRE/SMOKE DAMPER		BV	BALL VALVE	NO	NORMALLY OPEN

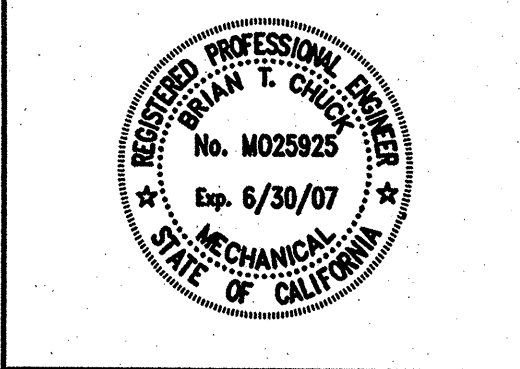
ARCHITECT OF RECORD

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355 Grand Avenue, Oakland, California 94610
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IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

FILE NUMBER: 4631
APPLICATION NUMBER: 01-107111

AC _____ FL _____ SS _____
DATE _____

BID DOCUMENTS

CAÑADA COLLEGE
BUILDING 16, 17, 18
RENOVATION

SMCCCD
3401 CSM Drive
San Mateo, CA 94402
Cañada College
4200 Farm Hills Blvd.
Redwood City, CA 94061

SHEET TITLE

MECHANICAL LEGEND

REVISIONS		
NO.	DATE	DESCRIPTION
1	08/11/06	ADD PLENUM TO 1
2	08/18/06	ADD PLENUM TO 2
3	02/01/07	RECORD SET

DATE	MARCH 1, 2006
DRAWN	JP
CHECKED	BC
SCALE	AS NOTED
N&T JOB NO.:	2220.07
SHEET NUMBER	MO.02

acco engineered systems

1133 ALADDIN AVE
SAN LEANDRO, CALIFORNIA 94577
(510) 346-4300

Job Number: 626403 Filename: MO.01.DWG RC RISE
Drawn By: Project Mgr 86519
District Contract #

RECORD DRAWING

DATE: 02-01-07 Contractor's Signature

