

PLUMBING LEGEND AND ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION
AC	AIR COMPRESSOR	GC0	GRADE CLEANOUT	(4)		SHEET NOTE DESIGNATION
AC, A/C	AIR CONDITIONING	GPF	GALLONS PER FLUSH	(M)		ITEM FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR	GPH	GALLONS PER HOUR	(E)		ITEM FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR
ALT.	ALTERNATE	GPM	GALLONS PER MINUTE	(P)		ITEM FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR
AP	ACCESS PANEL	GSM	GALVANIZED SHEET METAL	(I)		DETAIL REFERENCE - UPPER NUMBER-DETAIL NUMBER, LOWER NUMBER-SHEET NUMBER
APPROX.	APPROXIMATE	HB	HOSE BIBB	(P2.10)		
ARCH.	ARCHITECT, ARCHITECTURAL	HT.	HEIGHT	A		A COMPRESSED AIR
A/S	AMERICAN STANDARD	HX	HEAT EXCHANGER	AV		AV ACID WASTE VENT PIPING
BF	BELOW FLOOR	IBSC	INSTALLED BY SITE CONTRACTOR	AW		AW ACID WASTE
BFF	BELOW FINISHED FLOOR	IE, I.E.	INVERT ELEVATION	CSP		CSP COMBINATION STANDPIPE
BS	BELOW GRADE	IFC	IN FURRED CEILING	CH		CH COLD WATER PIPING
B&G	BELL & GOSSETT	ISE	IN-SINK-ERATOR	FS, FSP		FS, FSP FIRE SPRINKLER PIPING
BLDG.	BUILDING	IMR	INDIRECT WASTE RECEPTOR	G		G NATURAL GAS PIPING
BV	BALL VALVE	LAV	LAVATORY	HM		HM HOT WATER PIPING
CFH	CUBIC FEET PER HOUR	LBS, LBS.	POUNDS	HWR, HWK		HWR, HWK HOT WATER RETURN PIPING
CFCI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	MAX.	MAXIMUM	OF, OFD		OF, OFD OVERFLOW DRAINAGE PIPING
CL	CENTERLINE	MECH.	MECHANICAL	RWL, L, RL		RWL, L, RL RAINWATER LEADER PIPING
CI	CAST IRON	MFG.	MANUFACTURER	S, SS, W		S, SS, W SANITARY SOIL OR WASTE PIPING
CKV	CHECK VALVE	MIN.	MINIMUM	V		V SANITARY VENT PIPING
CLS	CEILING	(N)	NEN	BV		BV BALL VALVE
CO	CLEANOUT	OC	ON CENTER	CHV.		CHV. CHECK VALVE
CONC.	CONCRETE	OFD	OVERFLOW DRAIN	CO		CO CLEANOUT IN CONDENSATE DRAIN PIPING
CONN.	CONNECT, CONNECTION	OFOI	OWNER FURNISHED / OWNER INSTALLED	FCO		FCO FLOOR CLEANOUT
CONT.	CONTINUATION	OS&Y	OUTSIDE STEM & YOKE	GC0		GC0 GRADE CLEANOUT
CONTR.	CONTRACTOR	PC, P.C.	PLUMBING CONTRACTOR	G.C.		G.C. GAS COCK
CSP	COMBINATION STAND PIPE	PLMB.	PLUMBING	G.V.		G.V. GATE VALVE
CTE	CONNECT TO EXISTING	P.O.C.	POINT OF CONNECTION	WCO		WCO WALL CLEANOUT
DDC	DIRECT DIGITAL CONTROL	PRESS.	PRESSURE			UNION
DF	DRINKING FOUNTAIN	PSI, PSI.	POUNDS PER SQUARE INCH			CHANGE IN PIPE SIZE
DIA.	DIAMETER	RD	ROOF DRAIN			EXISTING FIXTURES, PIPING, OR EQUIPMENT TO REMAIN
DIM.	DIMENSION	REQD.	REQUIRED			EXISTING FIXTURES, PIPING, OR EQUIPMENT TO BE REMOVED
DN	DOWN	REV.	REVISION			
DSA	DIVISION OF THE STATE ARCHITECT	RHNS	ROUND HEAD HOOD SCREWS			
DWS	DRAWING	RWL	RAINWATER LEADER			
DWSS.	DRAWINGS	SAD	SEE ARCHITECTURAL DRAWINGS			
(E)	EXISTING	SCD	SEE CIVIL DRAWINGS			
ELEC.	ELECTRICAL	SCH 40, 80	SCHEDULE 40 OR 80 PIPE			
EMBED.	EMBEDMENT	SED	SEE ELECTRICAL DRAWINGS			
EMS	ENERGY MANAGEMENT AND TEMPERATURE CONTROL SYSTEM	SHR	SHOWER			
ES	EMERGENCY SHOWER	SK	SINK			
EW	EMERGENCY EYE WASH	SM	SHEET METAL			
EWK	ELECTRIC WATER COOLER	SMD	SEE MECHANICAL DRAWINGS			
EWK	ELECTRIC WATER HEATER	SOV	SHUT-OFF VALVE			
EXIST.	EXISTING	SS	STAINLESS STEEL			
FBFSC	FURNISHED BY FIRE SPRINKLER CONTRACTOR	SSD	SEE STRUCTURAL DRAWINGS			
FBPC	FURNISHED BY PLUMBING CONTRACTOR	SSD	FIRE SPRINKLER SYSTEM DRAIN PIPING			
FCA	FLOOR CONTROL ASSEMBLY	SSK	SERVICE SINK			
FCO	FLOOR CLEANOUT	TD	TRENCH DRAIN			
FD	FLOOR DRAIN	TP	TRAP PRIMER			
FD	FIRE DEPARTMENT	TPC	TRAP PRIMER CONNECTION			
FDC	FIRE DEPARTMENT CONNECTION	TYP, TYP.	TYPICAL			
FF, F.F.	FINISHED FLOOR	UNO	UNLESS OTHERWISE NOTED			
FHC	FIRE HOSE CABINET	UR	URINAL			
F & I	FURNISHED AND INSTALLED	VIF	VERIFY IN FIELD			
FR	FROM	VTR	VENT THROUGH ROOF			
FS	FIRE SPRINKLER	WC	WATER CLOSET			
FS	FIRE SPRINKLER	WCO	WALL CLEANOUT			
FSP	FIRE SPRINKLER PIPING	WH	WATER HEATER			
GA.	GAUGE	WOG	WATER OIL GAS			
GA, G.C.	GAS COCK	WS	WASH SINK			
GC, G.C.	GENERAL CONTRACTOR					

CLEARANCE NOTES

- CLEARANCES IN ALL ATTIC AREAS ARE EXTREMELY LIMITED. ALL TRADES ARE TO WORK CLOSELY TOGETHER TO ENSURE THAT PROPER ROUTING OF THE DUCTWORK MAY OCCUR. DUCTWORK IS TO HAVE THE HIGHEST PRIORITY.
- ALL CONDITIONS HAVE BEEN SHOWN AS ACCURATELY AS POSSIBLE. ALL CONDITIONS ARE TO BE FIELD VERIFIED. PLUMBING CONTRACTOR IS TO INCLUDE IN HIS BID ADJUSTMENTS TO THE NEW AND EXISTING WORK AS REQUIRED TO ACCOMMODATE THE ACTUAL FIELD CONDITIONS AND INSTALLATION OF THE NEW MECHANICAL AND PLUMBING SYSTEMS.
- THE FIRE SPRINKLER PIPING SYSTEMS ARE TO BE COORDINATED WITH THE MECHANICAL CONTRACTOR SO AS NOT TO BLOCK INSTALLATION OF THE MECHANICAL SYSTEMS, AND SUCH THAT THE DUCTWORK CAN BE INSTALLED IN THE LOCATIONS SHOWN ON THE MECHANICAL DRAWINGS. THE DUCTWORK IS TO HAVE THE HIGHEST PRIORITY.
- PORTIONS OF THE EXISTING MECHANICAL, ENERGY MANAGEMENT, PLUMBING, ELECTRICAL, FIRE PROTECTION AND/OR COMMUNICATIONS SYSTEMS MAY NEED TO BE RELOCATED IN ORDER TO ALLOW THE NEW MECHANICAL SYSTEMS TO BE INSTALLED. WALL FRAMING MAY NEED TO INCLUDE NON-STANDARD BRACING OR SPECIAL OPENINGS. ALL CONTRACTORS ARE TO INCLUDE IN THEIR BID ALLOWANCES FOR MODIFICATIONS TO THE NEW OR EXISTING WORK TO REMAIN AS REQUIRED TO ACCOMMODATE THE NEW MECHANICAL SYSTEMS.

SEALING OF FLOOR PENETRATIONS

WHERE CASEWORK OR NEW FIXTURES ARE BEING INSTALLED, ALL NEW AND (E) PLUMBING FLOOR PENETRATIONS ARE TO BE SEALED WATERTIGHT.

2001 CALIFORNIA CODES - TITLE 24, C.C.R.

- STATE OF CALIFORNIA TITLE 24 (2001 EDITION) - PART 1 BUILDING STANDARDS ADMINISTRATIVE CODE
- STATE OF CALIFORNIA TITLE 24 (2001 EDITION) - PART 2/VOLUME 1, CALIFORNIA BUILDING CODE/AMENDMENT WITH 1997 UBC, VOLUME 1
- STATE OF CALIFORNIA TITLE 24 (2001 EDITION) - PART 2/VOLUME 2, CALIFORNIA BUILDING CODE/AMENDMENT WITH 1997 UBC, VOLUME 2
- 1997 UNIFORM BUILDING CODE, VOLUME 3
- STATE OF CALIFORNIA TITLE 24 (2001 EDITION) - PART 3 CALIFORNIA ELECTRICAL CODE/AMENDMENT WITH 1996 NEC
- STATE OF CALIFORNIA TITLE 24 (2001 EDITION) - PART 4 CALIFORNIA MECHANICAL CODE/AMENDMENT WITH 2000 UMC
- STATE OF CALIFORNIA TITLE 24 (2001 EDITION) - PART 5 CALIFORNIA PLUMBING CODE/AMENDMENT WITH 2000 UPC
- STATE OF CALIFORNIA TITLE 24 (2005 EDITION) - PART 6 CALIFORNIA ENERGY CODE
- STATE OF CALIFORNIA TITLE 24 (2001 EDITION) - PART 9 CALIFORNIA FIRE CODE/AMENDMENT WITH 2000 UFC
- STATE OF CALIFORNIA TITLE 24 (2001) - PART 12 CALIFORNIA REFERENCED STANDARDS CODE
- TITLE 19, C.C.R., PUBLIC SAFETY, DIVISION 1: STATE FIRE MARSHAL REGULATIONS

GENERAL NOTES

- PIPING FLOOR PLAN IS SCHEMATIC. ALL ABOVE GRADE PIPING SHOWN NEAR A PLUMBING CHASE IS TO BE LOCATED WITHIN THE PLUMBING CHASE, UNLESS OTHERWISE NOTED.
- FIELD VERIFY LOCATIONS OF AIR CONDITIONING (A/C) UNIT OUTSIDE AIR INTAKES. VENT PIPING TERMINATIONS IN ALL CASES ARE TO BE A MINIMUM OF TEN (10) FEET FROM A/C UNIT OUTSIDE AIR INTAKES AND ARE TO BE OFFSET AS REQUIRED. ALL VENT PIPING SUPPORTS, ETC., NECESSARY TO MEET THIS REQUIREMENT ARE TO BE INCLUDED.
- ALL HORIZONTAL WASTE PIPING SHALL MAINTAIN A MINIMUM 2% SLOPE TO POINT OF DISPOSAL.
- ALL HORIZONTAL RAINWATER LEADER PIPING SHALL MAINTAIN A MINIMUM 2% SLOPE TO POINT OF DISPOSAL.
- ALL CORING AND PENETRATIONS OF WALLS, FOOTINGS, AND/OR FLOORS FOR PIPING ARE TO BE AS SMALL AS POSSIBLE AND APPROVED PER STRUCTURAL DRAWINGS. OVERSIZING OF OPENINGS IS TO BE AVOIDED. SEE STRUCTURAL DRAWINGS FOR CORING NOTES.
- WALL PENETRATIONS ARE TO BE COORDINATED WITH ALL OTHER TRADES AND THE DRAWINGS. WALL PENETRATIONS ARE TO BE KEPT AS HIGH AS POSSIBLE AND ARE TO BE MADE IN AREAS WHERE PIPING WILL BE CONCEALED.
- IF PENETRATIONS IN EXPOSED LOCATIONS ARE UNAVOIDABLE, INSTALL ESCUTCHEON RINGS AT THESE LOCATIONS.

PLUMBING LIST OF DRAWINGS

- NOTE: DRAWINGS NOT INCLUDED IN THIS CONTRACT ARE SHOWN WITH A STRIKE THROUGH ON THIS INDEX
- | | |
|---|--|
| P0.01 PLUMBING LEGEND AND NOTES | P2.21 BLDG 16 PLUMBING FIRST FLOOR PLAN |
| P0.02 PLUMBING SCHEDULES | P2.22 BLDG 16 PLUMBING SECOND FLOOR PLAN |
| P0.03 BLDG 16 PLUMBING PHASING PLAN | P2.23 BLDG 16 PLUMBING THIRD FLOOR PLAN |
| P0.04 BLDG 17 PLUMBING SEQUENCING PLAN | P2.24 BLDG 16 PLUMBING ROOF PLAN |
| P0.05 BLDG 18 PLUMBING PHASING PLAN | P2.25 BLDG 16 PLUMBING PARTIAL FLOOR PLANS |
| P1.11 BLDG 16 PLUMBING GROUND FLOOR DEMOLITION PLAN | P2.26 BLDG 16 PLUMBING PARTIAL FLOOR PLANS |
| P1.12 BLDG 16 PLUMBING FIRST FLOOR DEMOLITION PLAN | P2.27 BLDG 16 PLUMBING PARTIAL FLOOR PLANS |
| P1.13 BLDG 16 PLUMBING SECOND FLOOR DEMOLITION PLAN | P2.28 BLDG 16 PLUMBING PARTIAL FLOOR PLANS |
| P1.14 BLDG 16 PLUMBING THIRD FLOOR DEMOLITION PLAN | |
| P1.15 BLDG 16 PLUMBING PARTIAL DEMOLITION FLOOR PLANS | |
| P1.16 BLDG 16 PLUMBING PARTIAL DEMOLITION FLOOR PLANS | |
| P1.21 BLDG 17 PLUMBING FIRST FLOOR DEMOLITION PLAN | |
| P1.22 BLDG 17 PLUMBING SECOND FLOOR DEMOLITION PLAN | |
| P2.11 BLDG 16 PLUMBING GROUND FLOOR PLAN | |
| P2.12 BLDG 16 PLUMBING FIRST FLOOR PLAN | |
| P2.13 BLDG 16 PLUMBING SECOND FLOOR PLAN | |
| P2.14 BLDG 16 PLUMBING ROOF PLAN | |
| P2.15 BLDG 16 PLUMBING PARTIAL FLOOR PLANS | |
| P2.16 BLDG 16 PLUMBING PARTIAL FLOOR PLANS | |
| P2.17 BLDG 16 PLUMBING PARTIAL FLOOR PLANS | |
| P2.21 BLDG 17 PLUMBING FIRST FLOOR PLAN | |
| P2.22 BLDG 17 PLUMBING SECOND FLOOR PLAN | |
| P2.23 BLDG 17 PLUMBING ROOF PLAN | |

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 GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER.
- A COPY OF THE GUIDELINES PUBLISHED BY THE SMACNA AND APPROVED BY DSA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB AT ALL TIMES.

EXISTING CONDITIONS NOTE

THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. THE CONTRACTOR SHALL COMPARE PLUMBING DRAWINGS WITH ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS AND THE DRAWINGS OF OTHER TRADES BEFORE COMMENCING WITH THE WORK AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES REQUIRING CLARIFICATION OR REVISION. DO NOT SCALE DRAWINGS.

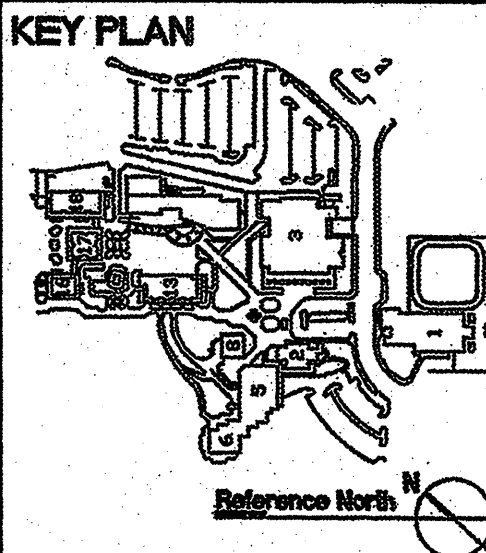
EXISTING BUILDING CONDITIONS SHOWN ARE FOR BACKGROUND INFORMATION ONLY. THEY ARE BASED ON ORIGINAL PLUMBING, MECHANICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS DATED 02/20/07 AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

ALL EXISTING UTILITIES SHOWN ARE BASED ON ORIGINAL PLUMBING AND MECHANICAL DRAWINGS DATED 02/20/07. ACTUAL LOCATIONS OF UTILITIES MAY VARY FROM THOSE SHOWN ON THESE DRAWINGS.

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 1133 ALADDIN AVE
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 (510) 346-4300

626403 MO.01.DWG RC RISSE
 Job Number, Filename Drawn By Project Mgr
 66519

RECORD DRAWING District Contract #
 DATE: 02-01-07 Contractor's Signature



ARCHITECT OF RECORD

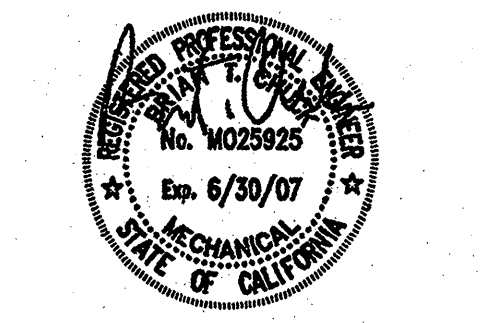
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IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT

FILE NUMBER: 04-01
 APPROVAL NUMBER: 05-0001
 DATE: 02/01/07

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

PLUMBING LEGEND AND NOTES

REVISIONS		
NO.	DATE	DESCRIPTION
1	02/01/07	RECORD SET

DATE	MARCH 1, 2006
DRAWN	JP
CHECKED	BC
SCALE	AS NOTED
M&T JOB NO.:	2220.07
SHEET NUMBER	P0.01