	PLUMBIN	G EQUIPMENT SCHEDULE					
SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBERS					
SA-1	SHOCK ABSORBER	RECISION PLUMBING PRODUCTS PART NUMBER SC-, SIZE PER PDI ROVIDE ACCESS PANEL					
TP-1	TRAP PRIMER	ECISION PLUMBING PRODUCTS PRIME-RITE PART NUMBER PR-500 OVIDE ACCESS PANEL					
FD-1	FLOOR DRAIN	ZURN ZN-415B-P. PROVIDE TRAP PRIMER.					
FCO	FLOOR CLEANOUT	ZURN Z-1400					
WCO	WALL CLEANOUT	ZURN ZS-1468					
HB-1	HOSE BIB	ARROWHEAD BRASS 255FPSAT, VANDAL PROOF LESS HANDLE.					

PLUMBING ROUGH IN-SCHEDULE							
SYMBOL	SYMBOL FIXTURE ROUGH IN SIZE IN INCHES			ZE IN IN	REMARKS		
		W	٧	HW	CW		
WC-1	WATER CLOSET WALL HUNG FLUSH VALVE (FV) H/C	4	2	1	1 1/2	KOHLER "KINGSTON" K-4330, ADA COMPLIANT, 1.6 GPF SLOAN FLUSH VALVE WES 111, DUAL FLUSH, 1.1GPF/1.6GPF 17" AFF MOUNTING SEAT HEIGHT, BEMIS 1655C SEAT	
WC-2	WATER CLOSET WALL HUNG FLUSH VALVE (FV)	4	2	1	1 1/2	KOHLER "KINGSTON" K-4330, ADA COMPLIANT, 1.6 GPF SLOAN FLUSH VALVE WES 111, DUAL FLUSH, 1.1GPF/1.6GPF BEMIS 1655C SEAT	
UR-1	URINAL	2	2	_	1	KOHLER, K-4960-ET, 0.5 TO 1.0 GPF, URINAL, SLOAN ROYAL MODEL 186-1.0, 1.0 GPF, MANUAL FLUSH VALVE, HEIGHT TO CONFORM TO THE ADA REQUIREMENT	
UR-2	URINAL	2	2	ı	1	KOHLER, K—4960—ET, 0.5 TO 1.0 GPF, URINAL, SLOAN ROYAL MODEL 186—1.0, 1.0 GPF, MANUAL FLUSH VALVE	
L-1	LAVATORY WALL HUNG MTD H/C	1 1/2	1 1/2	1	1/2	KOHLER "KINGSTON" K-2007, WALL HUNG, ADA COMPLIANT CHICAGO, 333-336PSHVPACP, METERING FAUCET, 2.2 GPM	
L-2	LAVATORY WALL HUNG	1 1/2	1 1/2	ı	1/2	KOHLER "KINGSTON" K-2006, WALL HUNG, ADA COMPLIANT CHICAGO, 333-336PSHVPACP, METERING FAUCET, 2.2 GPM	

PROVIDE ALL MISCELLANEOUS APPURTENANCES AS REQUIRED FOR INSTALLATION OF A COMPLETE SYSTEM; INCLUDING BUT NOT LIMITED TO: CARRIERS, BACKING PLATES, STOPS, TRAPS, ETC....

INSTALL ADA FIXTURES PER THE ADA STANDARDS / T-24 STANDARDS

PROVIDE TRUEBRO LAV-GUARD OR EQUAL PRE-FABRICATED INSULATION ON EXPOSED HOT WATER AND WASTE PIPING TO THE ADA LAVATORY.

ALL PLUMBING FIXTURES TO CONFORM TO THE CALIFORNIA T-24 WATER CONSERVATION REQUIREMENTS

LEGEN	<u>D AN</u> [) ABBREVIATIONS					
SYMBOL	ABBR	DESCRIPTION					
	CW HW HWR	DOMESTIC COLD WATER PIPE DOMESTIC HOT WATER PIPE DOMESTIC HOT WATER RETURN PIPE					
ss/w	SS/W SS/W	SANITARY SEWER/WASTE PIPE ABOVE FLOOR SANITARY SEWER/WASTE BELOW FLOOR					
SD	SD SD	STORM DRAIN ABOVE FLOOR STORM DRAIN BELOW FLOOR					
CD	CD	CONDENSATE DRAIN					
	V	VENT PIPE PIPING TO BE REMOVED/DEMO					
o		PIPE UP PIPE DOWN					
———IФI———	BV	BALL VALVE					
	FD FCO	FLOOR DRAIN FLOOR CLEANOUT					
		PIPING TO BE CAPPED					
e- + ⊕	НВ	HOSE BIB					
	POC ABV (E) FCU HB GPF GPM HP (X) RD SMD VR VTR	POINT OF CONNECTION ABOVE EXISTING FAN COIL UNIT HOSE BIB GALLON PER FLUSH GALLON PER MINUTE HORSEPOWER NEW ROOF DRAIN SEE MECHANICAL DRAWINGS VENT RISER VENT THROUGH ROOF					
GE	GENERAL NOTES						

GENERAL NOTES

- 1. ALL WORK SHALL CONFORM TO 2007 CPC.
- SANITARY WASTE & VENT SYSTEM SHALL BE NO HUB CAST IRON PIPE & FITTINGS WITH STANDARD CSPI 301 COUPLING. DWV COPPER PIPE & FITTINGS WITH LEAD FREE SOLDER JOINTS.
- 3. DOMESTIC HOT & COLD WATER SHALL BE TYPE L COPPER WITH WROT FITTINGS AND LEAD FREE SOLDER JOINTS. T-DRILLED BRAZED JOINTS SHALL BE USED AT CONTRACTORS OPTIONS.
- 4. HOT WATER PIPE SHALL BE INSULATED PER TITLE 24.
- 5. FLOOR DRAINS SHALL HAVE TRAP PRIMERS AS REQUIRED BY CODE

SCHOOL EQUIPMENT ANCHORAGE NOTE

SEISMIC ACHORAGE OF PLUMBING EQUIPMENTS SHALL CONFORM TO THE REGULATIONS OF CBC-2007 AND ASCE 7-05, SECTIONS 13.3, 13.4 AND 13.6.

ALL PLUMBING EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

THE TOTAL DESIGN LATERAL SEISMIC FORCE SHALL BE DETERMINED FROM SECTION 1614A CALIFORNIA BUILDING CODE (CBC) 2007 AND 13.3 ASCE 7-05. FORCES SHALL BE APPLIED IN THE HORIZONTAL DIRECTIONS, WHICH RESULT IN THE MOST CRITICAL LOADING FOR DESIGN. THE VALUE OF AP (COMPONENT AMPLIFICATION FACTOR) AND RP (COMPONENT RESPONSE MOFICATION

FACTOR) OF SECTION 13.3.1 ASCE 7-05 SHALL BE SECECTED FROM SECTION 13.6-1 ASCE 7-05). THE VALUE OF IP SHALL BE SELECTED FROM SECTION 13.1.3 AND 13.6 OF ASCE 7-05. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL FO THE MECHANICAL ENGINEER, STRUCTURAL ENGINEER AND THE FIELD

REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT. LATERAL SUPPORT FOR DUCTS/PIPING SHALL COMPLY WITH THE LATEST EDITION OF SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEM".

DRAWING LIST - BUILDING 12

PLUMBING SCHEDULES, LEGEND AND NOTES P2.10 FIRST FLOOR PLUMBING DEMOLITION PLAN

P2.11 FIRST FLOOR PLUMBING PLAN



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPLICATION NUMBER 61 110537
AGRB80
DATE

PLUMBING (925) 685-1963 ENGINEERS (925) 825-8069 FAX

DSA SUBMITTAL

COLLEGE OF SAN MATEO

BUILDING 12 AND 17 MODERNIZATION

SMCCCD 3401 CSM Drive San Mateo, CA 94402 College of San Mateo 1700 W. Hillsdale Blvd. San Mateo, CA 94402

SHEET TITLE **BUILDING 12** PLUMBING SCHEDULES,

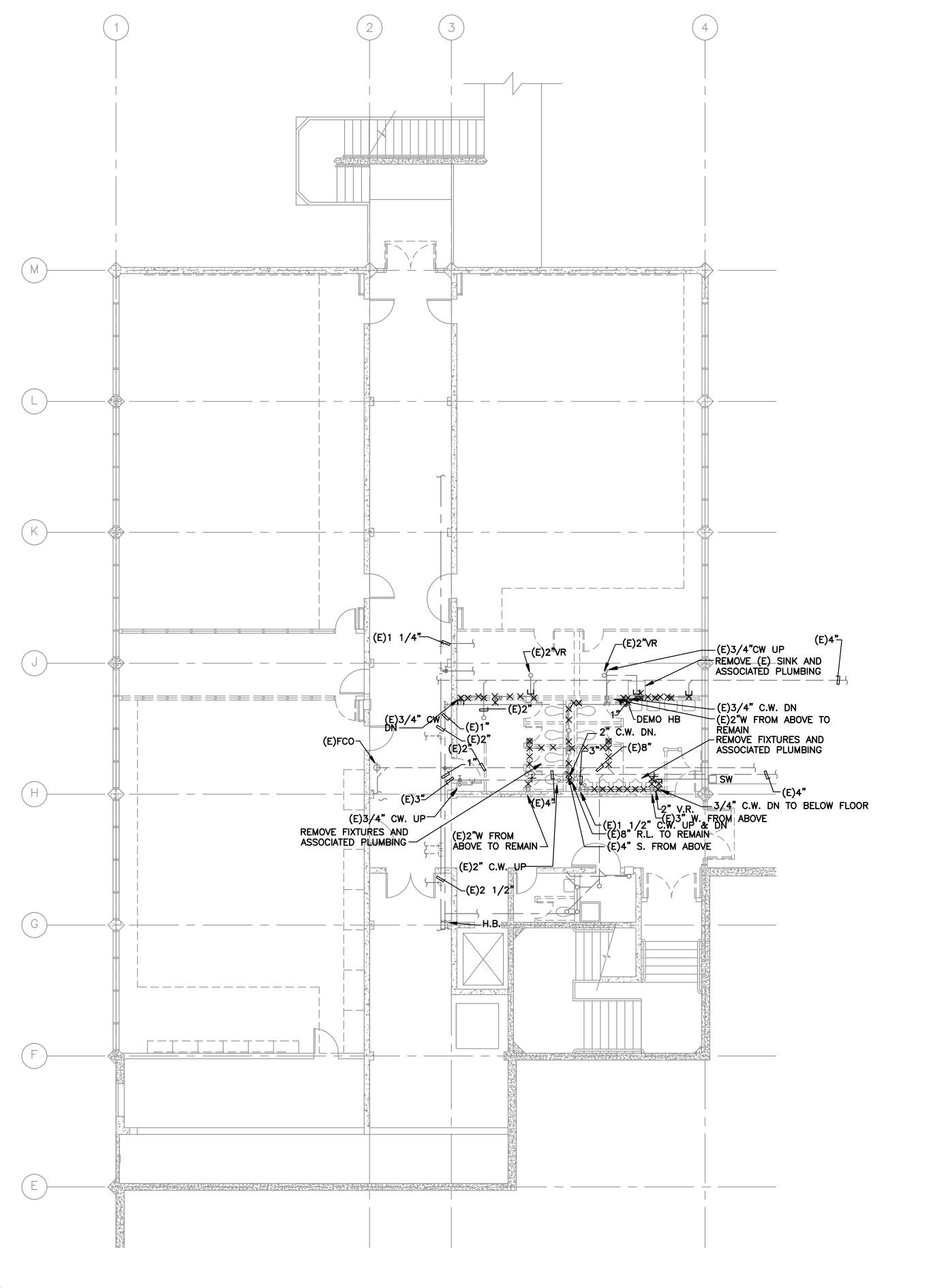
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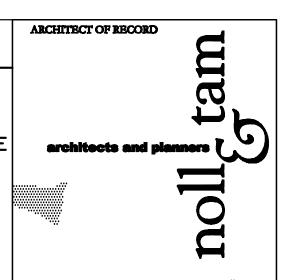
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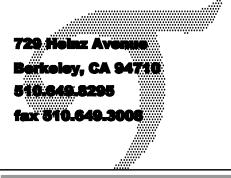
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GENERAL NOTES

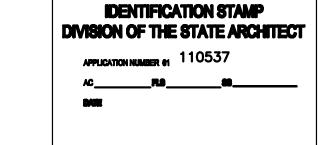
- 1. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DEMOLITION NOTES.
- 2. CAPPED ALL EXISTING PLUMBING PIPING CONNECTED TO THE REMOVED EXISTING PLUMBING FIXTURES AT THE CEILING OR THE FLOOR BELOW FOR FUTURE USE.
- CONTRACTOR TO LOCATE (E) PIPING TO THE LABORATORY ROOMS THAT WLL REMAIN, SUCH AS COMPRESSED AIR, NATURAL GAS, DISTILLED WATER, VACUUM, ETC.











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COLLEGE OF SAN MATEO

BUILDING 12 AND 17 MODERNIZATION

SMCCCD 3401 CSM Drive San Mateo, CA 94402 College of San Mateo 1700 W. Hillsdale Blvd. San Mateo, CA 94402

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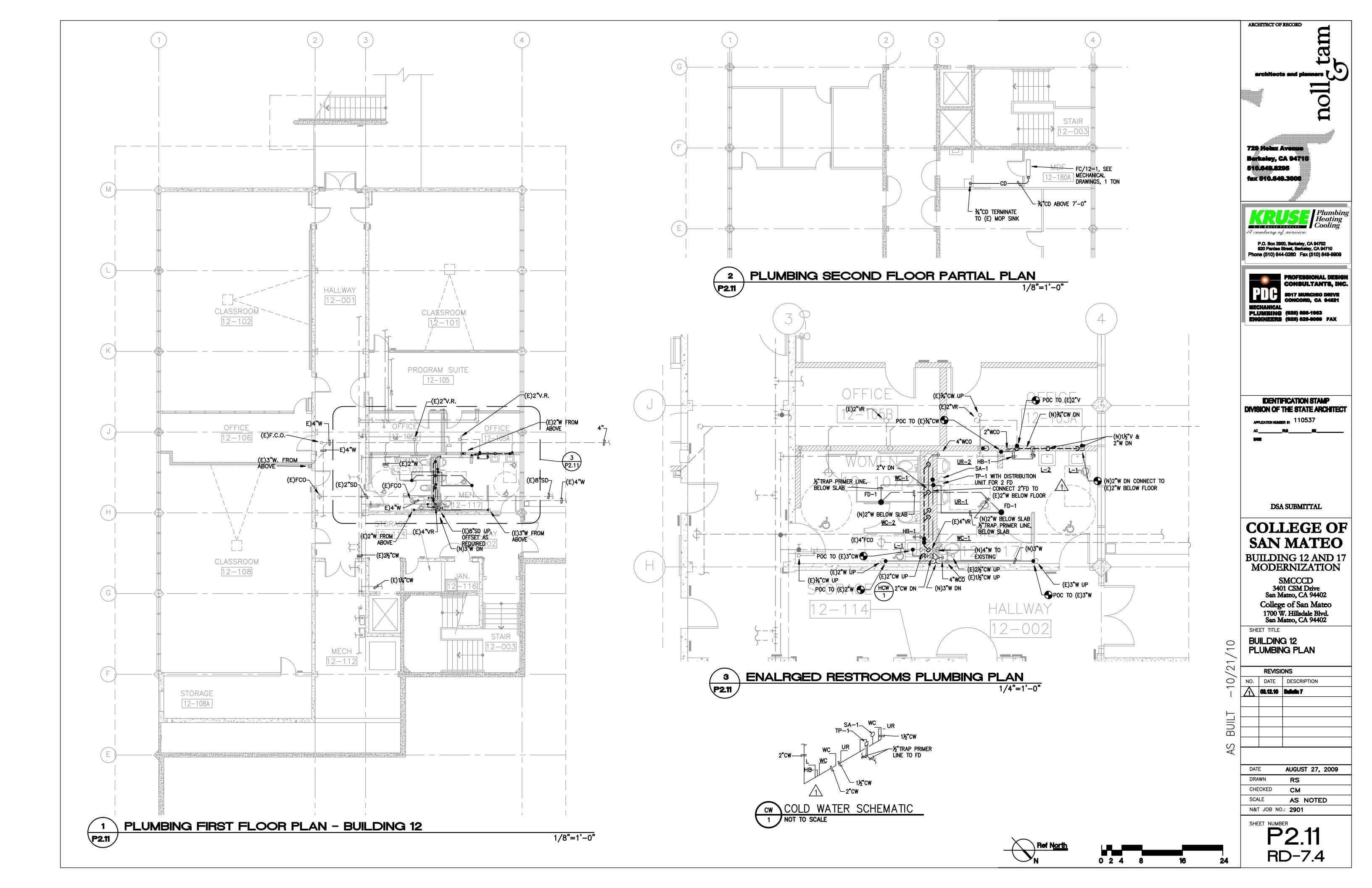
BUILDING 12 FIRST FLOOR PLUMBING DEMOLITION PLAN

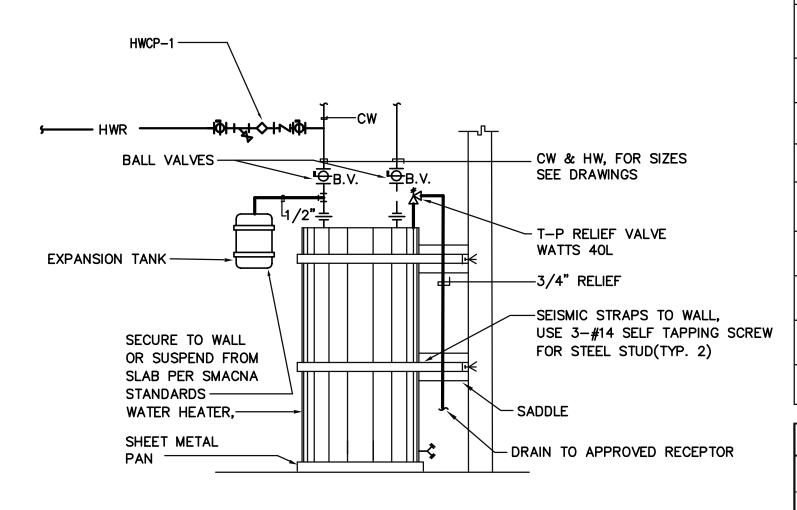
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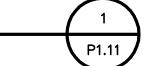
P2.10





NOTE: NO DIELECTRIC UNIONS ALLOWED. USE BRASS NIPPLES AND FITTINGS.

WATER HEATER DETAIL



PLUMBING EQUIPMENT SCHEDULE					
SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBERS			
SA-1	SHOCK ABSORBER	PRECISION PLUMBING PRODUCTS PART NUMBER SC-, SIZE PER PDI PROVIDE ACCESS PANEL			
TP-1	TRAP PRIMER	PRECISION PLUMBING PRODUCTS PRIME-RITE PART NUMBER PR-500 PROVIDE ACCESS PANEL			
FD-1	FLOOR DRAIN	ZURN ZN-415B-P. PROVIDE TRAP PRIMER.			
FCO	FLOOR CLEANOUT	ZURN Z-1400			
wco	WALL CLEANOUT	ZURN ZS-1468			
HB-1	HOSE BIB	ARROWHEAD BRASS 255FPSAT, VANDAL PROOF LESS HANDLE.			
WH-1	WATER HEATER	STATE WATER HEATER, ELECTRIC, MODEL PCE 20 10MSA, 4KW/4KW UPPER/LOWER WATTAGE, 208V, 1PHASE, 20AMP CIRCUIT			
ET-1	EXPANSION TANK	WATTS DET-5 2 GAL TANK, PROVIDE NORMALLY OPEN VALVE WITH LOCK WEIGHT WITH WATER: 25 LBS			
HWCP-1	HOT WATER CIRCULATING PUMP	GRUNDFOS UP15-10B5 WITH HONEYWELL CONTROLLER MODEL #675A 1508 1 58 WATTS, 115V, 1PHASE			
PRV-1	PRESSURE REDUCING VALVE	WILKENS 2W 109, 2" WITH BY PASS			

PLUMBING ROUGH IN-SCHEDULE						
SYMBOL	FIXTURE					REMARKS
		W	V	HW	CW	
WC-1 ACCESSIBLE	WATER CLOSET WALL HUNG FLUSH VALVE (FV) H/C	4	2	_	1 1/2	KOHLER "KINGSTON" K-4330, ADA COMPLIANT, 1.6 GPF SLOAN FLUSH VALVE WES 111, DUAL FLUSH, 1.1GPF/1.6GPF 17" AFF MOUNTING SEAT HEIGHT, BEMIS 1655C SEAT
WC-2	WATER CLOSET WALL HUNG FLUSH VALVE (FV)	4	2	_	1 1/2	KOHLER "KINGSTON" K-4330, 1.6 GPF: WITH SLOAN FLUSH VALVE WES 111, DUAL FLUSH, 1.1GPF/1.6GPF BEMIS 1655C SEAT
UR-1 ACCESSIBLE	URINAL	2	2	_	1	KOHLER, K-4960-ET, 0.5 TO 1.0 GPF, URINAL, SLOAN ROYAL MODEL 186-1.0, 1.0 GPF, MANUAL FLUSH VALVE, HEIGHT TO CONFORM TO THE ADA REQUIREMENT
L-1 ACCESSIBLE	LAVATORY WALL HUNG MTD H/C	1 1/2	1 1/2	1/2	1/2	KOHLER "KINGSTON" K-2007, WALL HUNG, ADA COMPLIANT CHICAGO, 333-336PSHVPACP, METERING FAUCET, 2.2 GPM, WITH CHICAGO 119 TEMPER VALVE; SEE NOTE 4
L-2	LAVATORY WALL HUNG	1 1/2	1 1/2	1/2	1/2	KOHLER "KINGSTON" K-2007, WALL HUNG, ADA COMPLIANT CHICAGO, 333-336PSHVPACP, METERING FAUCET, 2.2 GPM, WITH CHICAGO 119 TEMPER VALVE; SEE NOTE 4
SK-1 ACCESSIBLE	KITCHEN SINK	1 1/2	1 1/2	1/2	1/2	ELKAY ELUHAD 3118, DOUBLE BOWL, OFF CENTERED, ADA COMPLIANT, ELKAY STRAINER FAUCET: DELTA 100, SINGLE HANDLE, ADA COMPLIANT WITH IN SINK ERATOR EVOLUTIONS SERIES, 3/4 HP, GARBAGE DISPOSER
IHWD-1	INSTA HOT WATER DIPENSER	_	_	_	1/2	IN SINK ERATOR, MODEL F-HC1100, HOT AND COLD WATER DISPENSER
MS-1	MOP SINK AND FAUCET	2	1 1/2	1/2	1/2	FLORESTONE MODEL MSR 2424, MR-370 HOSE, MR-372 HANGER SPEAKMAN SERVICE SINK FAUCET SC-5811-RCP

- 1. COORDINATE LOCATION OF GARBAGE DISPOSER AND INSTA-HOT TO VERIFY THEY DO NOT CONFLICT WITH REQUIRED KNEE CLEARANCE UNDER SINK.
- 2. PROVIDE ALL MISCELLANEOUS APPURTENANCES AS REQUIRED FOR INSTALLATION OF A COMPLETE SYSTEM; INCLUDING BUT NOT LIMITED TO: CARRIERS, BACKING PLATES, STOPS, TRAPS, ETC....
- 3. INSTALL ADA FIXTURES PER THE ADA STANDARDS / T-24 STANDARDS
- 4. PROVIDE TRUEBRO LAV-GUARD OR EQUAL PRE-FABRICATED INSULATION ON EXPOSED HOT WATER AND WASTE PIPING TO THE ADA LAVATORY.
- 5. ALL PLUMBING FIXTURES TO CONFORM TO THE CALIFORNIA T-24 WATER CONSERVATION REQUIREMENTS

LEGEN[) AND	<u>ABBREVIATIONS</u>				
SYMBOL	ABBR	DESCRIPTION				
	cw	DOMESTIC COLD WATER PIPE				
	нw	DOMESTIC HOT WATER PIPE				
	HWR	DOMESTIC HOT WATER RETURN PIPE				
ss/w	ss/w	SANITARY SEWER/WASTE PIPE ABOVE FLOOR				
	SS/W	SANITARY SEWER/WASTE BELOW FLOOR				
SD	SD	STORM DRAIN ABOVE FLOOR				
	SD	STORM DRAIN BELOW FLOOR				
CD	CD	CONDENSATE DRAIN				
	V	VENT PIPE				
-×××××××		PIPING TO BE REMOVED/DEMO				
o		PIPE UP				
		PIPE DOWN				
φ	BV	BALL VALVE				
⊘ FD	FD	FLOOR DRAIN				
———— FCO	FCO	FLOOR CLEANOUT				
		PIPING TO BE CAPPED				
c - +	НВ	HOSE BIB				
•	POC	POINT OF CONNECTION				
	ABV	ABOVE				
	(E)	EXISTING				
	НВ	HOSE BIB				
	FCU	FAN COIL UNIT				
	GPF	GALLON PER FLUSH				
	GPM HP	GALLON PER MINUTE HORSEPOWER				
	(N)	NEW				
	RD	ROOF DRAIN				
	SMD	SEE MECHANICAL DRAWINGS				
	VTR	VENT THROUGH ROOF				
OFNIED AL NIOTEO						

GENERAL NOTES

- 1. ALL WORK SHALL CONFORM TO 2007 CPC.
- SANITARY WASTE & VENT SYSTEM SHALL BE NO HUB CAST IRON PIPE & FITTINGS WITH STANDARD CSPI 301 COUPLING, DWV COPPER PIPE & FITTINGS WITH LEAD FREE SOLDER JOINTS.
- DOMESTIC HOT & COLD WATER SHALL BE TYPE L COPPER WITH WROT FITTINGS AND LEAD FREE SOLDER JOINTS. T-DRILLED BRAZED JOINTS SHALL BE USED AT CONTRACTORS OPTIONS.
- 4. HOT WATER PIPE SHALL BE INSULATED PER TITLE 24.
- 5. FLOOR DRAINS SHALL HAVE TRAP PRIMERS AS REQUIRED BY CODE

SCHOOL EQUIPMENT ANCHORAGE NOTE

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THE VALUE OF AP (COMPONENT AMPLIFICATION FACTOR) AND RP (COMPONENT RESPONSE MOFICATION FACTOR) OF SECTION 13.3.1 ASCE 7-05 SHALL BE SECECTED FROM SECTION 13.6-1 ASCE 7-05). THE VALUE OF IP SHALL BE SELECTED FROM SECTION 13.1.3 AND 13.6 OF ASCE 7-05.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL FO THE MECHANICAL ENGINEER, STRUCTURAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.

LATERAL SUPPORT FOR DUCTS/PIPING SHALL COMPLY WITH THE LATEST EDITION OF SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEM".

DRAWING LIST - BUILDING 17

PLUMBING SCHEDULES, LEGEND AND NOTES P1.11

P2.20 PLUMBING DEMOLITION PLAN

P2.21 PLUMBING FLOOR PLAN



ARCHITECT OF RECORD

510.649.8295

MECHANICAL

P.O. Box 2900, Berkeley, CA 94702

PLUMBING (925) 685-1963 ENGINEERS (925) 825-8069 FAX

IDENTIFICATION STAMP

APPLICATION NUMBER 01 110537

920 Pardee Street, Berkeley, CA 94710

Phone (510) 644-0260 Fax (510) 849-9909

PROFESSIONAL DESIGN

CONSULTANTS, INC.

5017 MURCHIO DRIVE CONCORD, CA 94521

DSA SUBMITTAL

COLLEGE OF SAN MATEO BUILDING 12 AND 17

MODERNIZATION

SMCCCD 3401 CSM Drive San Mateo, CA 94402 College of San Mateo 1700 W. Hillsdale Blvd. San Mateo, CA 94402

SHEET TITLE

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BUILDING 17 PLUMBING SCHEDULES. LEGEND AND NOTES

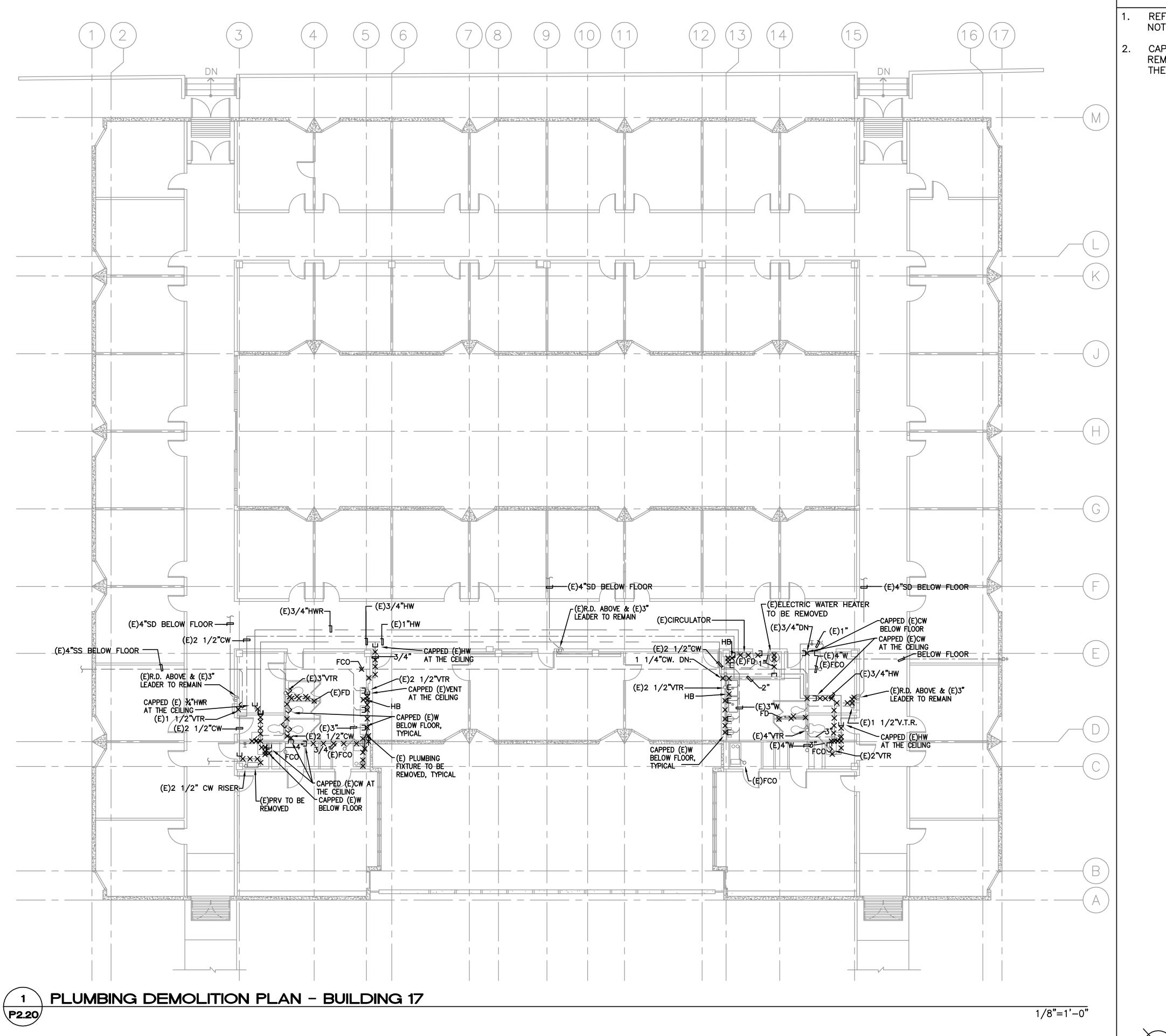
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REVISIONS

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N&T JOB NO.: 2901



GENERAL NOTES

- 1. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DEMOLITION NOTES.
- 2. CAPPED ALL EXISTING PLUMBING PIPING CONNECTED TO THE REMOVED EXISTING PLUMBING FIXTURES AT THE CEILING OR THE FLOOR BELOW FOR FUTURE USE.



729 Heinz Avenue Berkeley, CA 94710 510:649.8295 fax 510.649.3008



P.O. Box 2900, Berkeley, CA 94702 920 Pardee Street, Berkeley, CA 94710 Phone (510) 644-0260 Fax (510) 849-9909



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPLICATION NUMBER 01 110537

DSA SUBMITTAL

COLLEGE OF SAN MATEO

BUILDING 12 AND 17 MODERNIZATION

SMCCCD 3401 CSM Drive San Mateo, CA 94402 College of San Mateo 1700 W. Hillsdale Blvd. San Mateo, CA 94402

SHEET TITLE

BUILDING 17 DEMOLITION PLAN

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