AFF ACOUS	ABOVE FINISHED FLOOR ACOUSTICAL	MAT MAX	MATERIAL MAXIMUM
ADJ or ADJAC AL or ALUM	ADJACENT ALUMINUM	MTL MDF	METAL MEDIUM DENSITY FIBERBOARD
ALT AP	ACCESS PANEL	MFR MIC	MANUFACTURER MICROWAVE
APPROX ARCH	APPROXIMATE ARCHITECTURAL	MIN MISC	MINIMUM MISCELLANEOUS
В	DOADD	MTD MUL	MOUNTED MULLION
BD BET	BOARD BETWEEN	N (N)	NEW
BLDG BOT	BUILDING BOTTOM	Ň NIC	NORTH NOT IN CONTRACT
C	ACMITO ALL TOTAL	NO NOM	NUMBER NOMINAL
CJT CO	CONTROL JOINT CASED OPENING	NTS NAT	NOT TO SCALE NATURAL
CT C-C	CERAMIC TILE CENTER TO CENTER	0	
CLR CAB	CLEAR CABINET	OA OC	OVERALL ON CENTER
CER CLG CLK or CLKG	CERAMIC CEILING	OD OFCI	OUTSIDE DIAMETER OWNER FURNISHED,
CLO CNTR	CAULK, CAULKING CLOSET COUNTER	OH	CONTRACTOR INSTALLED OVERHEAD
COL	COLUMN CONCRETE	OFF OP	OFFICE OPPOSITE
CONF CONST	CONFERENCE CONSTRUCTION	OPNG OZ	OPENING OUNCE
CONTR	CONTRACTOR CORRIDOR	P PART BD	
CPT	CARPET	PG PL	PARTICLE BOARD PAINT GRADE PROPERTY LINE
D DF	DRINKING FOUNTAIN	P LAM PTD	PLASTIC LAMINATE PAPER TOWEL DISPENSER
DW DBL	DISHWASHER DOUBLE	PL	PLATE
DEPT DET	DEPARTMENT DETAIL	PLAS PLYWD PNL	PLASTER PLYWOOD PANEL
DIA DIM	DIAMETER DIMENSION	POL PR	POLISHED PAIR
DISP DN	DISPOSAL DOWN	PROP PT	PROPERTY POINT
DR DRW	DOOR DRAWER	PTN	PARTITION
DWG	DRAWING	R R	RISER
E (E)	EXISTING	RA RAD	RETURN AIR RADIUS
È É EA	EAST EACH	RB REC	RESILIENT BASE RECESSED
EL ELEC	ELEVATION ELECTRICAL	REF REQ	REFERENCE REQUIRED
EMER ENCL	EMERGENCY ENCLOSED	REQT RES	REQUIREMENT RESILIENT
ENGR EQ	ENGINEER EQUAL	REV REFR	REVISE/REVISION REFRIGERATOR
EQUIP EXPO	EQUIPMENT EXPOSED	RM RND	ROOM ROUND
EXT or EXTER	EXTERIOR	RUB S	RUBBER
F FA	FIRE ALARM	S SC	SOUTH SOLID CORE
FE FEC	FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET	SCD SD	SEAT COVER DISPENSER SOAP DISPENSER
FOC FOF	FACE OF CONCRETE FACE OF FINISH	SED SFPD	SEE ELECTRICAL DRAWINGS SEE FIRE PROTECTION DWGS.
FOS FRT	FACE OF STUD FIRE RETARDANT TREATED	SH SPD	SPRINKLER HEAD SEE PLUMBING DRAWINGS
FAB FIN	FABRICATION FINISH	SS SSD	STAINLESS STEEL SEE STRUCTURAL DRAWINGS
FIXT FLUOR	FIXTURE FLUORESCENT	SW SCHED	SHEAR WALL SCHEDULE
FP FR	FIRE PROOF FRAME	SMD SHR	SEE MECHANICAL DRAWINGS SHOWER
FURR FUT	FURRING FUTURE	SHT SIM	SHEET SIMILAR
G GA	GAUGE	SPEC SQ	SPECIFICATION SQUARE
GB GC	GRAB BAR GENERAL CONTRACTOR	STA STD	STATION STANDARD
GD GALV	GARBAGE DISPOSAL GALVANIZED	STOR STRUC	STORAGE STRUCTURAL
GEN GL	GENERAL GLAZED	SUSP SYM	SUSPENDED SYMMETRICAL
Н		SYS T	SYSTEM
HC HM	HOLLOW CORE HOLLOW METAL	T TB	TREAD TOWEL BAR
HW HD	HOT WATER HEAD	THRESH TYP	THRESHOLD TYPICAL
HDR HDW	HEADER HARDWARE	TN U	TRUE NORTH
HOR or HORIZ HR	HORIZONTAL HOUR	UBC UMC	UNIFORM BUILDING CODE UNIFORM MECHANICAL CODE
НТ	HEIGHT	UPC UC	UNIFORM PLUMBING CODE UNDER COUNTER
I ID	INSIDE DIAMETER	UON	UNLESS OTHERWISE NOTED
IN INCAN	INCH INCANDESCENT	V VCT	VINYL COMPOSITION TILE
INCL INFO	INCLUDES, INCLUSIVE INFORMATION	VIF VAR	VERIFY IN FIELD VARIES
INST INT or INTER	INSTALL INTERIOR	VENT	,
J J-BOX or JB	JUNCTION BOX	VERT VEST	VERTICAL VESTIBULE
JAN JT	JANITOR JOINT	VOL VWC	VOLUME VINYL WALL COVERING
L LF	LINEAR FOOT/FEET	W	WEST
LAM LAB	LAMINATE LABORATORY	WC WH	WALL COVERING WATER HEATER WATER RESISTANT
LAV LB	LAVATORY POUND	WR W/	WATER RESISTANT WITH
LT LT FIXT	LIGHT LIGHT FIXTURE	W/O WC WT	WITHOUT WATER CLOSET WEIGHT
		11	WEIGHT

BUILDING & SAFETY NOTES:

NOTE:ALL WORK SHALL COMPLY WITH APPLICABLE CODES, CITY AMENDMENTS RULES, REGULATIONS, ORDINANCES, LAWS, ORDERS, APPROVALS, ETC., THAT ARE REQUIRED BY PUBLIC AUTHORITIES. IN THE EVENT OF CONFLICT, THE MOST STRINGENT REQUIREMENTS SHALL APPLY. REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO THE CURRENT APPLICABLE EDITIONS OR PUBLICATIONS OF THE FOLLOWING (OR AS OTHERWISE NOTED):

2016 CALIFORNIA BUILDING CODE 2016 CALIFORNIA ELECTRICAL CODE 2016 CALIFORNIA MECHANICAL CODE 2016 CALIFORNIA PLUMBING CODE 2016 CALIFORNIA FIRE CODE

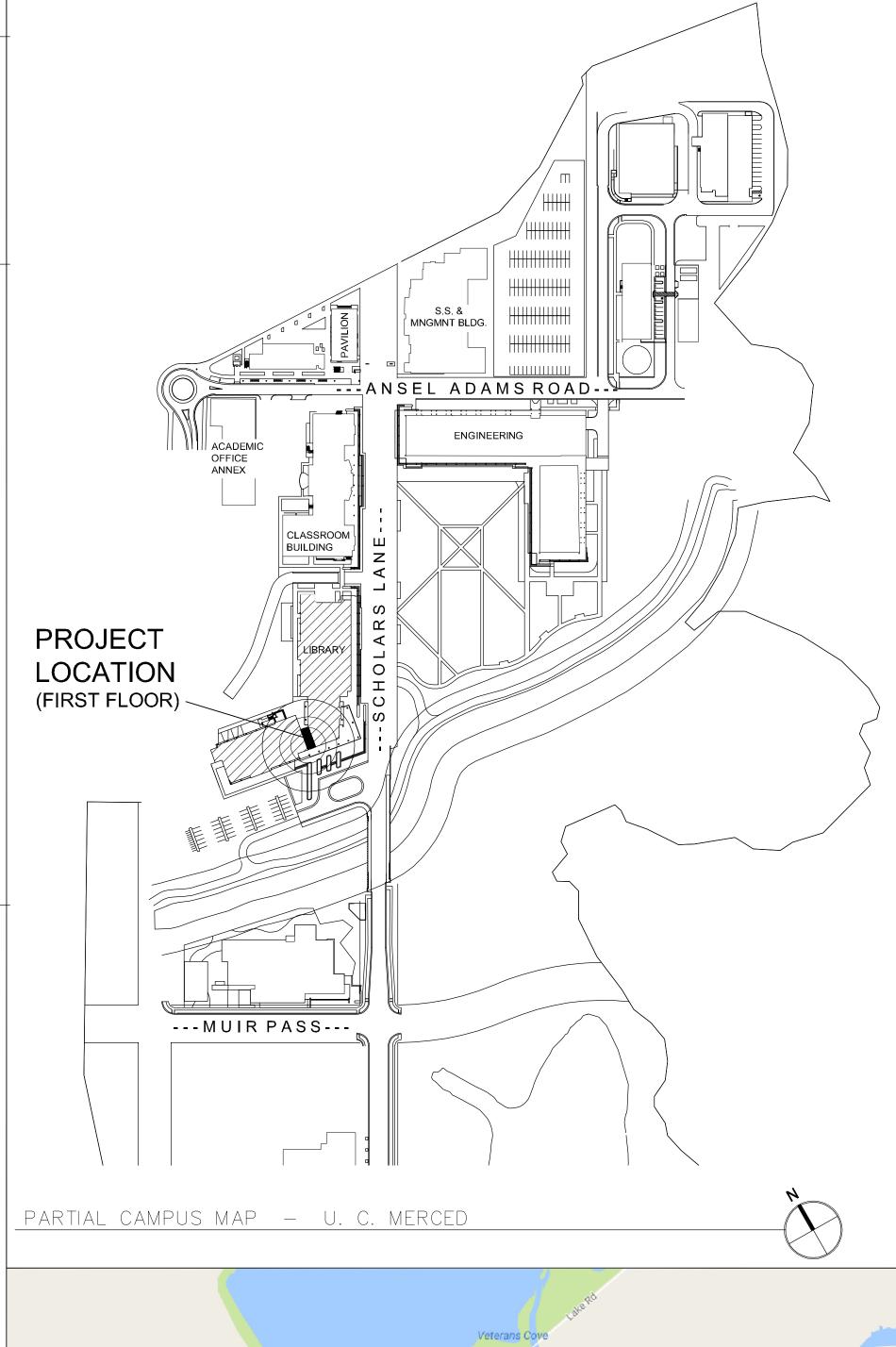
DEMOLITION NOTES:

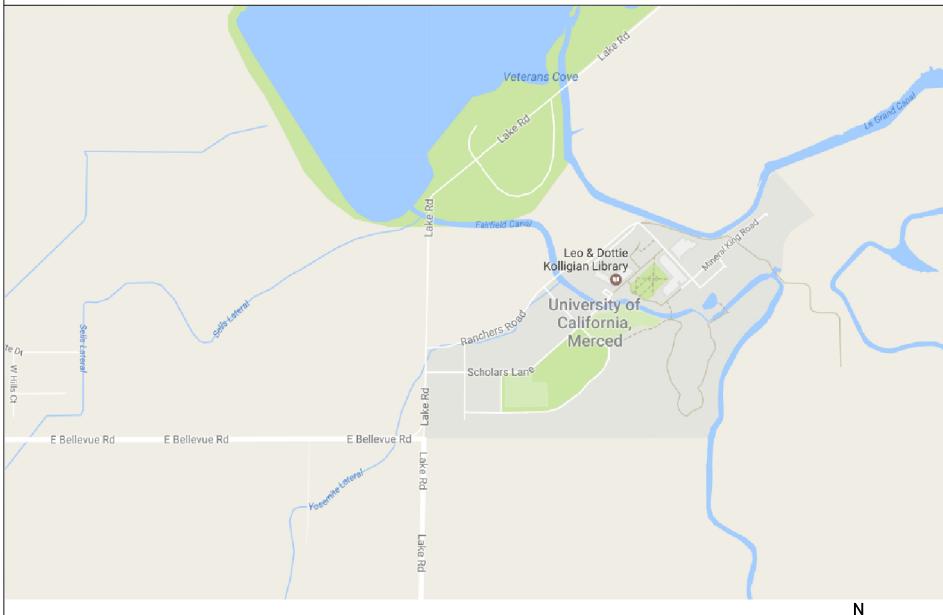
- 1. DEMOLITION PLAN IS INTENDED TO AID CONTRACTOR IN DETERMINING THE EXTENT OF THE NECESSARY WORK. CONTRACTOR SHALL STUDY THESE CONSTRUCTION DOCUMENTS AND PERFORM A THOROUGH FIELD INVESTIGATION PRIOR TO BIDDING THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL REQUIRED ENGINEERED SHORING FOR THE SCOPE OF
- CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING HAZARDOUS MATERIALS FOUND IN PROJECT AREA DURING DEMOLITION, SUCH AS ASBESTOS, LEAD PAINT, ETC.
- 3. PRIOR TO ANY DEMOLITION WORK, CONTRACTOR SHALL CONSULT WITH THE UNIVERSITY REGARDING EXISTING ITEMS UNIVERSITY MAY WISH TO KEEP. THE CONTRACTOR IS RESPONSIBLE FOR DISCARDING ALL CONSTRUCTION DEBRIS.
- 4. CONTRACTOR TO FOLLOW UNIVERSITY'S WRITTEN CONTROL PROTOCOLS. CONTRACTOR TO MAINTAIN DUST FREE ENVIRONMENT. PROVIDE POST BARRICADES AT WALLS, CEILINGS AND ATTICS TO PREVENT PUBLIC ENTRANCE TO CONSTRUCTION
- CONTRACTOR SHALL REVIEW ALL ENGINEERING INCLUDED HEREIN SEE PLUMBING & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION AND NEW CONSTRUCTION WORK THAT MAY BE
- CONTRACTOR TO STRIP AS NEEDED, PATCH, REPAIR AND PREP ALL EXISTING SURFACES (FLOOR, WALLS AND CEILING) RECEIVING NEW OR TOUCH UP FINISHES.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF FINISHES AND/OR WALL BOARD AS REQUIRED FOR INSTALLATION OF ANY NEW ITEM(S) AND THEN REPLACE, PREP, PATCH AND/OR APPLY
- NEW FINISH(ES) AS PER PLANS OR EXISTING CONDITIONS. 8. FLOOR DEMOLITION: PRIOR TO CUTTING (E) CONCRETE FLOOR SLAB CONTRACTOR TO VERIFY THAT EXISTING SLAB IS NOT POST TENSION AND TO TAKE PRECAUTIONS TO ALLEVIATE ANY ISSUES WITH EXISTING TENDONS, CONDUIT PIPES, PLUMBING AND RACEWAYS, OR OTHER SUB-SLAB BUILDING ELEMENTS.
- 9. SAW AND CUT ALL CONCRETE TO BE REMOVED.

GENERAL NOTES:

- 1. SCHEDULING: COORDINATE ALL WORK AND CONSTRUCTION WITH UNIVERSITY.
- 2. EXISTING CONDITIONS: ALL EXISTING CONDITIONS NOT SHOWN OR INDICATION ON THESE PLANS ARE TO REMAIN UNCHANGED. FIELD VERIFY EXISTING CONDITIONS AND ALL DIMENSIONS. ANY DISCREPANCY BETWEEN DRAWINGS AND ACTUAL WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CORRECTION PRIOR TO COMMENCING WITH THE WORK.
- WORK: ALL WORK SHALL BE DONE IN A NEAT AND WORKMAN LIKE MANNER ACCORDING TO THE BEST TRADE PRACTICE BY BY THOSE SKILLED IN THE PARTICULAR TRADE. EQUIPMENT TO BE INSTALLED IN STRICT COMPLIANCE WITHE MANUFACTURER'S INSTRUCTIONS / RECOMMENDATIONS.
- 4. KNOWLEDGE: CONTRACTOR AND HIS OR HER SUBCONTRACTORS TO HAVE WORKING KNOWLEDGE OF ALL CODES APPLICABLE TO THEIR WORK.
- 5. PLANS: GENERAL CONTRACTOR SHALL MAKE AVAILABLE COMPLETE SETS OF CONSTRUCTION DOCUMENTS TO THIS OR HER SUBCONTRACTORS FOR REVIEW. EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE COMPLETE SETS AND COORDINATION ITEMS WHICH PERTAIN TO HIS OR HER WORK WITH OTHER TRADES PRIOR TO COMMENCING WITH THE WORK.
- 6. ALL DRAWINGS ARE INTENDED TO BE VIEWED AND USED AS A PART OF THE WHOLE SET. ITEMS SHOWN IN ONE VIEW ARE USUALLY TYPICAL IN OTHER VIEWS OR DRAWINGS, WHETHER OR NOT CALLED OUT OR SPECIFICALLY DESCRIBED IN EVERY INSTANCE IN WHICH THEY MAY OCCUR OR WHETHER THEY ARE DESCRIBED ON EACH AND EVERY SHEET
- 7. SCOPE OF WORK: IT IS NOT INTENDED THAT THE CONTRACT DOCUMENTS INCLUDE EACH AND EVERY SUBSYSTEM AND SUBCOMPONENT NECESSARY TO FULLY AND PROPERLY COMPLETE THE WORK. SUBSYSTEMS, SUBCOMPONENTS OR DETAILS REQUIRED OR NORMALLY INCLUDED AS TRADE PRACTICE MAY NOT BE SPECIFICALLY MENTIONED OR SHOW. NEVERTHELESS, CONTRACTOR SHALL BE RESPONSIBLE FOR EACH ELEMENT OF THE WORK.
- 8. DEFERRED SUBMITTAL/SHOP DRAWING PROCEDURE: (WHERE APPLICABEL) SUBMIT 3 COPIES OF ELECTRONIC FILES OF ANY DEFERRED SUBMITTALS TO THE ARCHITECT OR ENGINEER OF RECORD FOR REVIEW AND SHOP DRAWING STAMPS, SIGNATURE AND DATE, FOR GENERAL CONFORMANCE WITH THE STRUCTURAL (OR WHERE APPLICABLE, ARCHITECTURAL) DESIGN.
- HAZARDOUS MATERIALS: NO STORAGE, DISPENSING OR MANUFACTURE OF HAZARDOUS MATERIALS IN EXCESS OF THE "MAXIMUM ALLOWABLE" PER 2013 CBC, TABLES 307.1(1) AND 307.1(2) SHALL BE ALLOWED WITHIN THIS STRUCTURE, UNLESS OTHERWISE NOTED (COMPLETE WITH MATERIALS, QUANTITIES AND LOCATIONS SPECIFIED ON PLANS AND MSDS SUBMITTALS).

VICINITY MAP





TEAM DIRECTORY

UNIVERSITY PHONE FAX / EMAIL UNIVERSITY OF CALIFORNIA AT MERCED 209.228.4463 mjiang@ucmerced.edu 5200 N. LAKE ROAD MERCED, CA 95343

INTERIOR ARCHITECTURE & FOOD SERVICE CONSULTANT

CAFE DESIGN & ARCHITECTURE 350 SOUTH GRAND AVE. SUITE 3070

MIN JIANG. PROJECT DIRECTOR

LOS ANGELES, CA 90071

PRINCIPAL, FOOD SERVICE CONSULTANT & PROJECT DIRECTOR: **ED T VISER, CID PROJECT DIRECTOR** ED@CAFE-DESIGN.NET 925.2161782 NCIDQ CERTIFICATION #8672

CCIDC CERTIFICATION #5786

PRINCIPAL, ARCHITECT: LLOYD DESBRISAY, ARCHITECT LLOYD@CAFE-DESIGN.NET

877.223.3707 X511

ELECTRICAL ENGINEER

LICENSED ARCHITECT #C-26487

MILLER PEZZONI & ASSOCIATES, INC. 909 15TH ST #7, MODESTO, CA 95354

PRINCIPAL, ENGINEER:

KEVIN PEZZONI, PE KPEZZONI@MPA-EE.COM • PROFESSIONAL ENGINEER, #E-16269

209. 575.0312 X101

MECH / PLUMBING ENGINEER

NEXUS ENGINEERING

1400 LONE PALM AVE. SUITE A MODESTO, CA 95351 PRINCIPAL, ENGINEER:

GARY LEUSINK, PE

G.LEUSINK@NEXUSENGINEERING.NET 209. 572.7399 • PROJECT MANAGER, M-35928

ALLEN LAYMAN, PE

ALAYMAN@NEXUSENGINEERING.NET 209. 572.7399 • PROFESSIONAL ENGINEER, M-30029

DSA A# 02-115975

FIRE PROTECTION & CODE COMPLIANCE

FULLY SPRINKLED BUILDING

ARCHITECTURAL SHEET INDEX

MASTER LEGEND - PROJECT DATA REFERENCE SITE PLAN A0.2 CAL-GREEN BUILDING NOTES FS1.0 FOOD SERVICE EQUIPMENT LAYOUT FLOOR DEMO AND CONSTRUCTION A1.0 VENT PIPE CHASE DETAILS A1.1 PARTITION PLAN & CASEWORK PLAN A2.0

A3.0 UTILITY ROUGH IN PLANS A4.0 REFLECTED CEILING & MATERIAL FINISH PLAN A5.0 **INTERIOR ELEVATIONS**

A5.1 CASEWORK SECTIONS A5.2 CASEWORK SECTIONS

DSA REFERENCE SHEETS FOR THIS PROJECT

EGRESS GROUND FLOOR PLAN SITE PLAN A1.00 A1.01 SITE PLAN

A1.4 SITE PLAN A2.01 GROUND FLOOR PLAN CASEWORK PLAN (EXISTING CAFE) A2.01

A2.01A GROUND FLOOR PLAN (WEST WING) A3.10 ENLARGED CORE PLAN (WEST WING TOILET CORE) A3.30 ENLARGED CORE PLAN (TOILET CORE)

INTERIOR TOILET ROOM ELEVATIONS

PLUMBING SHEET INDEX

PLUMBING SCHEDULE & NOTES PLUMBING CW & HW FLOOR PLAN PLUMBING SS & V FLOOR PLAN P2.0 PLUMBING DETAILS

ELECTRICAL SHEET INDEX

ELECTRICAL NOTES PARTIAL FLOOR PLAN ELECTRICAL DEMO & FLOOR PLAN PROPOSED POWER & SIGNAL LIGHTING PLAN E3.0 3RD FLOOR ELECTRICAL PLAN E4.0 ELECTRICAL DETAILS

OPERATOR SUMMARY

HOURS OF OPERATION: M-S 6:30 AM - 11:00 PM SUN 7:00 AM - 10:00 PM NUMBER OF EMPLOYEES PER SHIFT: 6

University of California Merced, California

INTERIOR ARCHITECTURE & DESIGN Maricopa, Arizona - San Francisco, California

p: 925.216.1782 f:707.361.0953

GROUND FLOOR ARCHITECT

ENGINEER

DSA SUBMITTAL 06.16.17 UC FACILITIES REVIEW 06.06.17 FOR ENGINEERING 05.17.17 UPDATED FINAL 04.17.17

04.12.17

04.10.17

PROJECT

PRELIMINARY

UPDATED PRELIM

UC Merced LIBRARY LANTERN CAFE

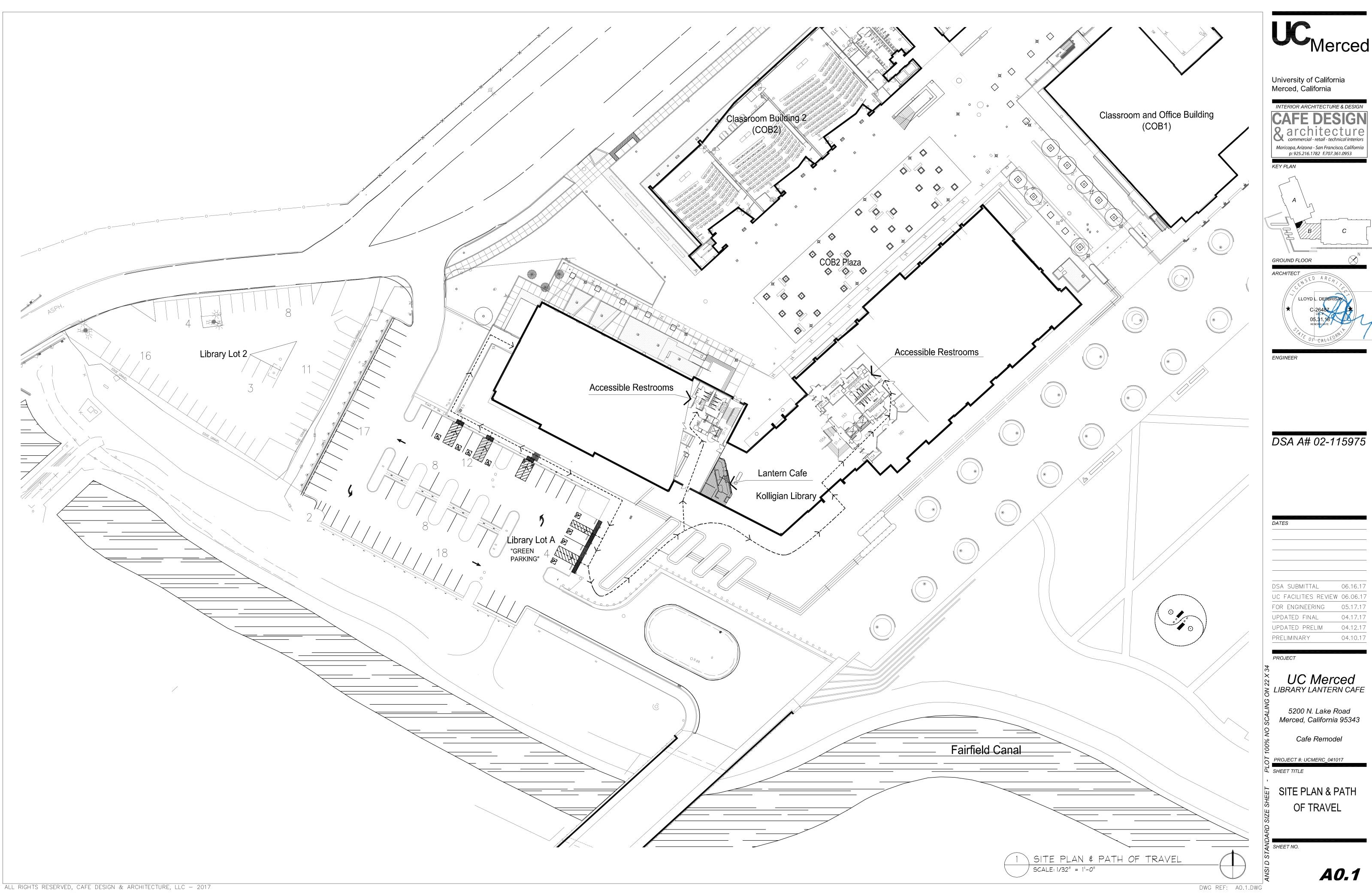
5200 N. Lake Road Merced, California 95343

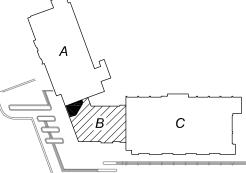
Cafe Remodel

PROJECT #: UCMERC 041017 SHEET TITLE

> MASTER LEGEND PROJECT DATA

SHEET NO.







CALIFORNIA GREEN BUILDINGS STANDARDS 5.504.4.1 ADHESIVES, SEALANTS AND CAULKS 5.504.5.3 FILTERS TABLE 5.504.4.1 SEE MECHANICAL PLANS FOR SPECIFIED MERV 8 FILTERS. PRIOR TO OCCUPANCY GENERAL CONTRACTOR TO INSTALL SPECIFIED FILTERS LABELED AS MERV 8 AND TO INCLUDE RECOMMENDATIONS FOR MAINTENANCE WITH ADHESIVE VOC LIMIT LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS P FILTERS OF THE SAME VALUE IN THE (O&M). CURRENT VOC LIMIT APPLICATIONS 5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL ARCHITECTURAL APPLICATIONS INDOOR CARPET ADHESIVES N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK. CARPET PAD ADHESIVES OUTDOOR CARPET ADHESIVES 5.505.1 INDOOR MOISTURE CONTROL WOOD FLOORING ADHESIVE RUBBER FLOORING ADHESIVES SEE MECHANICAL PLANS FOR VENTILATION INFORMATION. SUBFLOOR ADHESIVES CERAMIC TILE ADHESIVES 5.506.1 OUTSIDE AIR DELIVERY CT AND ASPHALT TILE ADHESIVES SEE MECHANICAL PLANS FOR VENTILATION INFORMATION. COVE BASE ADHESIVES MULTIPURPOSE CONSTRUCTION ADHESIVE 5.506.2 CARBON DIOXIDE (CO2) MONITORING STRUCTURAL GLAZING ADHESIVES SINGLE-PLY ROOF MEMBRANE ADHESIVES OTHER ADHESIVE NOT SPECIFICALLY LISTED SPECIALTY APPLICATIONS 5.507.4 ACOUSTICAL CONTROL PVC WELDING CPVC WELDING ABS WELDING PLASTIC CEMENT WELDING 5.507.4.3 INTERIOR SOUND TRANSMISSION ADHESIVE PRIMER FOR PLASTIC CONTACT ADHESIVE SPECIAL PURPOSE CONTACT ADHESIV STRUCTURAL WOOD MEMBER ADHESIVE 5.508.1 OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS SUBSTRATE SPECIFIC APPLICATIONS INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT MFTAL TO METAL CONTAIN CFCs OR HALONS. SEE MECHANICAL PLANS FOR SELECTED EQUIPMENT. PLASTIC FOAMS POROUS MATERIAL (EXCEPT WOOD 5.508.2 SUPERMARKET REFRIGERANT LEAK REDUCTION TABLE 5.504.4.2 5.508.2.3 REFRIGERATED SERVICE CASES SEALANT VOC LIMIT LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS PI CURRENT VOC LIMIT NONMEMBRANE ROOF SINGLEPLY ROOF MEMBRANE SEALANT PRIMERS ARCHITECTURAL - NONPOROUS ARCHITECTURAL - POROUS MODIFIED BITUMINOUS MARINE DECK SEE SPECIFICATIONS. 5.504.4.3 PAINTS AND COATINGS TABLE 5.504.4.3 VOC CONTENT LIMITS FOR ARCHITECTURAL COATING GRAMS OF VOC PER LITER OF COATING, LESS WATER AND LESS EXEMPT COMPOUNDS COATING CATEGORY FLAT COATINGS NONFLAT COATINGS NONELAT HIGH GLOSS COATINGS ALUMINUM ROOF COATINGS BASEMENT SPECIALTY COATING BITUMINOUS ROOF COATINGS BITUMINOUS ROOF PRIMERS BOND BREAKERS CONCRETE CURING COMPUNDS CONCRETE/MASONRY SEALER DRY FOG COATINGS FAUX FINISHING COATINGS FIRE RESISTIVE COATINGS FLOOR COATINGS FORM-RELEASE COMPOUND LOW SOLIDS COATINGS (1 MAGNESITE CEMENT COATINGS MASTIC TEXTURE COATINGS METALLIC PIGMENTED COATINGS MULTICOLOR COATINGS PRETREATMENT WASH PRIMER PRIMERS, SEALERS AND UNDERCOATERS REACTIVE PENETRATING SEALERS ROOF COATINGS RUST PREVENTATIVE COATINGS SHELLACS: CLEAR SHELLACS: OPAQUE SPECIALTY PRIMERS, SEALERS, AND UNDERCOATERS STONE CONSOLIDANTS SWIMMING POOL COATINGS

TRAFFIC MARKING COATINGS

TUB AND TILE REFINISH COATINGS

5.504.4.3.1 AEROSOL PAINTS AND COATINGS

5.504.4.5 COMPOSITE WOOD PRODUCTS

HARDWOOD PLYWOOD VENEER COR

MEDIUM DENSITY FIBERBOARD THIN MEDIUM DENSITY FIBERBOARD

5.504.4.6 RESILIENT FLOORING SYSTEM

PARTICLE BOARD

SEE SPECIFICATIONS.

SEE SPECIFICATIONS.

HARDWOOD PLYWOOD COMPOSITE CORE

FORMALDEHYDE LIMITS

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

GENERAL CONTRACTOR TO PREPARE VERIFICATION DOCUMENTS UPON REQUEST.

WATERPROOFING MEMBRANES

WOOD COATINGS

SEE SPECIFICATIONS.

SEE SPECIFICATIONS.

WOOD PRESERVATIVE

ZINC-RICH PRIMERS

5.504.4.4 CARPET SYSTEMS

5.504.4.4.1 CARPET CUSHION

5.504.4.4.2 CARPET ADHESIVE

5.304 OUTDOOR WATER USE	5.106.5.3 ELECTRIC VEHICLE (EV) TABLE 5.10		ING	
5.304.1 WATER BUDGET	TOTAL NUMBER		R OF REQU	JIRE
N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK.	OF PARKING SPACES 0-50	EV CHA	ARGING SPA	ACE
5.304.2 OUTDOOR POTABLE WATER USE N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK.	51–75 76–100		1 2	_
5.304.3.1 IRRIGATION CONTROLLERS	101-200		3	_
N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK.	N/A. PROJECT IS INTERIOR TENANT IMPRO	VENENTS	3% ONL > NO	
DIVISION 5.4 - MATERIAL CONSERVATION AND RESOURCE	N/A. PROJECT IS INTERIOR TENANT IMPRO	VEMEN 15	ONLT. NO	<u> </u>
EFFICIENCY 5.407.1 WEATHER PROTECTION	5.106.8 LIGHT POLLUTION REDUC	NOIT		
N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK.	TABLE	5.106.8		
5.407.2 MOISTURE CONTROL	MAXIMUM ALLOWABLE BACK (BUG) R			Τŀ
5.407.2.1 SPRINKLERS	ALLOWABLE RATING	LIGHTING	LIGHTING	LI
N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK. 5.407.2.2.1 EXTERIOR DOOR PROTECTION	MAXIMUM ALLOWABLE BACKLIGHT RATING	ZONE 1	ZONE 2	
5.407.2.2.1 EXTERIOR DOOR PROTECTION 5.407.2.2.2 FLASHING	LUMINAIRE GREATER THAN 2 MOUNTING HEIGHTS (MH) FROM PROPERTY	NO LIMIT	NO LIMIT	N
N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK.	LINE LUMINAIRE BACK HEMISPHERE IS 1 – 2	B2	B3	\vdash
	MH FROM PROPERTY LINE	B1	B2	<u> </u>
SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AN RECEYCLING	MH FROM PROPERTY LINE			L
	LUMINAIRE BACK HEMISPHERE IS LESS THAN 0.5 MH FROM PROPERTY	В0	В0	
5.408.1.1 CONSTRUCTION WASTE MANAGEMENT PLAN 5.408.1.2 WASTE MANAGEMENT COMPANY	LINE MAXIMUM ALLOWABLE UPLIGHT RATING			<u> </u>
5.408.1.3 WASTE STREAM REDUCTION ALTERNATIVE	FOR AREA LIGHTING	U0	U0	_
5.408.1.4 DOCUMENTATION	FOR ALL OTHER OUTDOOR LIGHTING, INCLUDING DECORATIVE LUMINAIRES	U1	U2	L
GENERAL CONTRACTOR TO DEVELOP CONSTRUCTION WASTE MANAGEMENT PLAN PRIOR TO THE START OF CONSTRUCTION. DOCUMENTATION SHALL BE PROVIDED TO THE ENERGY WALLEY	MAXIMUM ALLOWABLE GLARE RATING LUMINAIRE GREATER THAN 2 (MH) FROM	G1	G2	
DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE WITH SECTIONS 5.408.1.1 THROUGH 5.408.1.3. THE WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE	PROPERTY LINE LUMINAIRE BACK HEMISPHERE IS 1 – 2	GO	G1	<u> </u>
ACCESSIBLE DURING CONSTRUCTION FOR EXAMINATION BY THE ENFORCING AGENCY.	MH FROM PROPERTY LINE LUMINAIRE BACK HEMISPHERE IS 0.5 – 1	GO	G0	<u> </u>
3.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS	MH FROM PROPERTY LINE			L
N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK.	LUMINAIRE BACK HEMISPHERE IS LESS THAN 0.5 MH FROM PROPERTY	G0	G0	
RECTION 5 440 DUIL DING MAINTENANCE AND OREGATION	LINE			<u>_</u>
SECTION 5.410 BUILDING MAINTENANCE AND OPERATION	N/A. PROJECT IS INTERIOR TENANT IMPRO	VEMENTS	ONLY. NO) E
5.410.1 RECYCLING BY OCCUPANTS				
SEE SHEET AO.5 FOR RECYCLING AREAS. GENERAL CONTRACTOR TO ENSURE RECYCLING AREA COMPLIES WITH DIVISION 30 OF THE PUBLIC RESOURCES CODE, CHAPTER 18, PART 3.	5.106.10 GRADING AND PAVING			_
	N/A. PROJECT IS INTERIOR TENANT IMPRO	VEMENTS	ONLY. NO	O E
.410.2 COMMISSIONING THIS BUILDING REQUIRES COMMISSIONING.	DIVISION 5.2 WATER EFFICIENCY	(AND O	ONGER)\ /
5.410.2.1 OWNER'S OR OWNER REPRESENTATIVE'S	DIVISION 5.3 - WATER EFFICIENCY	AND CO	OINOEK	.v/
ROJECT REQUIREMENTS (OPR)	5.303.1 METERS SEPARATE SUBMETERS SHALL BE INSTALLED	FOR USE	S DESCR	IBF
5.410.2.2 BASIS OF DESIGN (BOD)	5.303.1.1 AND 5.303.1.2.			
OPR AND BOD TO BE PROVIDED UNDER SEPARATE COVER.	5.303.1.1 NEW BUILDINGS OR ADD 50,000 SQUARE FEET.	HIONS	IIN EXC	,⊏ ¹
.410.2.3 COMMISSIONING PLAN THE COMMISSIONING AGENT TO PREPARE THE COMMISSIONING PLAN AND SUBMIT TO	5.303.1.2 EXCESS CONSUMPTION			
THE OWNER AND ENFORCING AGENCY.	N/A. PROJECT IS IN AN EXISTING BUILDING	G WITH NO	ADDITIO	NS
5.410.2.4 FUNCTIONAL PERFORMANCE TESTING	5.303.3 WATER CONSERVING PLU	JMBING	FIXTUF	٦E
GENERAL CONTRACTOR TO DEVELOP AND IMPLEMENT FUNCTIONAL PERFORMANCE TESTING REPORT.	PLUMBING FIXTURES (WATER CLOSETS AND USHOWERHEADS) SHALL COMPLY WITH THE FO			
.410.2.5.1 SYSTEMS MANUAL	5.303.3.1 WATER CLOSETS			
GENERAL CONTRACTOR TO DEVELOP THE SYSTEMS MANUAL AND DELIVER TO THE BUILDING OWNER.	5.303.3.2 URINALS 5.303.3.3.1 SINGLE SHOWERHEAD)		
5.410.2.5.2 SYSTEMS OPERATIONS TRAINING	5.303.3.3.1 SINGLE SHOWERHEAD 5.303.3.3.2 MULTIPLE SHOWERHE		RVING	0
GENERAL CONTRACTOR TO DEVELOP A PROGRAM FOR TRAINING OF THE	5.303.3.4.1 NON RESIDENTIAL LAV	/ATORY	FAUCE	ΞΤ
APPROPRIATE MAINTENANCE STAFF FOR EACH EQUIPMENT TYPE AND/OR SYSTEM. THE TRAINING PROGRAM TO BE DOCUMENTED IN THE COMMISSIONING REPORT.	5.303.3.4.2 KITCHEN FAUCETS 5.303.3.4.3 WASH FOUNTAINS			
5.410.2.6 COMMISSIONING REPORT	5.303.3.4.4 METERING FAUCETS			
THE COMMISSIONING AGENT TO DEVELOP A COMMISSIONING REPORT TO DOCUMENT THE COMMISSIONING PROCESS AND TEST RESULTS.	5.303.3.4.5 METERING FAUCETS FOR 5.303.4 AREA OF ADDITION OR			Ν
DIVISION 5.5 - ENVIRONMENTAL QUALITY	TABLE 5 WATER USE			_
5.503 FIREPLACES	FIXTURE TYPE BASELINE FL	OW RATE	DURATION	D/ U
N/A	SHOWERHEADS 2.0 GPM @ LAVATORY FAUCETS, 0.5 GPM @		5 MIN.	<u> </u>
5.503.1.1 WOODSTOVES	NONRESIDENTIAL			_
N/A	KITCHEN FAUCETS 2.2 GPM © REPLACEMENT AERATORS 2.2 GPM ©		4 MIN.	_
5.504.1.3 TEMPORARY VENTILATION	WASH FOUNTAINS 2.2 [RIM (IN.)/20 GPM			
THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING OR AREAS OF ADDITION OR ALTERATION	METERING FAUCETS 0.25 GALLONS		0.25 MIN.	
MTHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT NSTALLATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN	0.05 [DIV			
AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2—1999, OR AN AVERAGE EFFICIENCY OF 30 PERCENT BASED ON ASHRAE 51_100.2 DEDICATE ALL FILTERS IMMEDIATELY DEPORT OF OCCURRANCY OR	METERING FAUCETS FOR U.25 LRIM WASH FOUNTAINS (IN.)/20 GPM	ا	0.25 MIN.	
ASHRAE 52.1—1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY, OR THE BUILDING IS OCCUPIED DURING ALTERATION, AT THE CONCLUSION OF CONSTRUCTION.	GRAVITY TANK-TYPE WATER 1.28 GALLON	NS/FLUSH	I LLOSU	1 I
5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF	CLOSETS FLUSHOMETER TANK WATER 1.28 GALLON	NS/FLUSH	1 FLUSH	1 1
MECHANICAL EQUIPMENT DURING CONSTRUCTION T THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE	CLOSETS FLUSHOMETER VALVE WATER 1.28 GALLON			3 FI
INSTRUCTION SITE UNTIL FINAL STARTUP OF THE HEATING, COOLING AND	CLOSETS			3 FI
	LELECTRONIC CHIANGE	S ZELLISH 1	i flush l	4 1
INSTRUCTION SITE UNTIL FINAL STARTOP OF THE HEATING, COOLING AND ENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION DIMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR THER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT FOUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.	ELECTROMECHANICAL 1.28 GALLON HYDRAULIC WATER CLOSETS	13/120311		1 I 3 FI

5.504.4 FINISH MATERIAL POLLUTANT CONTROL

FINISH MATERIALS SHALL COMPLY WITH SECTIONS 5.504.4.1 THROUGH 5.504.4.4.

O THE ENFORCING AGENCY.

SEE SPECIFICATIONS.

TOTAL NUMBER OF PARKING SPACES 101-200 201 AND OVER N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK. 5.106.8 LIGHT POLLUTION REDUCTION MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE MAXIMUM ALLOWABLE BACKLIGHT RATING LUMINAIRE GREATER THAN 2 MOUNTING NO LIMIT NO LIMIT NO LIMIT NO LIMIT HEIGHTS (MH) FROM PROPERTY JMINAIRE BACK HEMISPHERE IS 1 -MH FROM PROPERTY LINE JMINAIRE BACK HEMISPHERE IS 0.5 -MH FROM PROPERTY LINE JMINAIRE BACK HEMISPHERE IS LESS THAN 0.5 MH FROM PROPERTY FOR AREA LIGHTING FOR ALL OTHER OUTDOOR LIGHTING, INCLUDING DECORATIVE LUMINAIRES MAXIMUM ALLOWABLE GLARE RATING UMINAIRE GREATER THAN 2 (MH) FROM PROPERTY LINE UMINAIRE BACK HEMISPHERE IS 1 MH FROM PROPERTY LINE JMINAIRE BACK HEMISPHERE IS 0.5 MH FROM PROPERTY LINE JMINAIRE BACK HEMISPHERE IS LESS THAN 0.5 MH FROM PROPERTY N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK. 5.106.10 GRADING AND PAVING N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK. **DIVISION 5.3 - WATER EFFICIENCY AND CONSERVATION** 5.303.1 METERS SEPARATE SUBMETERS SHALL BE INSTALLED FOR USES DESCRIBED IN SECTION 5.303.1.1 AND 5.303.1.2. 5.303.1.1 NEW BUILDINGS OR ADDITIONS IN EXCESS OF 50,000 SQUARE FEET. 5.303.1.2 EXCESS CONSUMPTION. N/A. PROJECT IS IN AN EXISTING BUILDING WITH NO ADDITIONS. 5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS PLUMBING FIXTURES (WATER CLOSETS AND URINALS) AND FITTINGS (FAUCETS AND SHOWERHEADS) SHALL COMPLY WITH THE FOLLOWING SECTIONS: 5.303.3.1 WATER CLOSETS 5.303.3.2 URINALS 5.303.3.3.1 SINGLE SHOWERHEAD 5.303.3.3.2 MULTIPLE SHOWERHEADS SERVING ONE SHOWER 5.303.3.4.1 NON RESIDENTIAL LAVATORY FAUCETS 5.303.3.4.2 KITCHEN FAUCETS 5.303.3.4.3 WASH FOUNTAINS 5.303.3.4.4 METERING FAUCETS 5.303.3.4.5 METERING FAUCETS FOR WASH FOUNTAINS 5.303.4 AREA OF ADDITION OR ALTERATION LAVATORY FAUCETS, NONRESIDENTIAL REPLACEMENT AERATORS 2.2 GPM @ 60 PSI WASH FOUNTAINS METERING FAUCETS METERING FAUCETS FOR WASH FOUNTAINS GRAVITY TANK-TYPE WATER | 1.28 GALLONS/FLUSH | 1 FLUSH | 1 MALE¹ | CLOSETS USHOMETER TANK WATER CLOSETS USHOMETER VALVE WATER 1.28 GALLONS/FLUSH 1 FLUSH 1 MALE¹ CLOSETS ECTROMECHANICAL HYDRAULIC WATER CLOSETS SEE MECHANICAL DRAWINGS FOR ADDITIONAL JOB SITE VENTILATION DIRECTIONS. GENERAL CONTRACTOR TO IMPLEMENT ALL NECESSARY MEASURES IN ORDER TO COMPLY WITH THIS SECTION AND SHALL BE READY TO DEMONSTRATE COMPLIANCE WATER REDUCTION FIXTURE FLOW RATES

SEE SHEET PLUMBING DRAWINGS FOR FIXTURE/FITTING TYPES AND INFORMATION.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS

PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 1401.1 OF THE CALIFORNIA PLUMBING CODE AND IN

FIXTURE TYPE

KITCHEN FAUCETS

WASH FOUNTAINS

METERING FAUCETS

METERING FAUCETS FOR

WASH FOUNTAINS

BASELINE FLOW RATE DURATION DAILY USES OCCUPANTS

0.5 GPM @ 60 PSI 0.25 MIN. 3

0.25 GALLONS/ CYCLE 0.25 MIN. 3

1.28 GALLONS/FLUSH 1 FLUSH 1 MALE¹

1.28 GALLONS/FLUSH | 1 FLUSH | 1 MALE¹

0.5 GALLONS/FLUSH 1 FLUSH 2 MALE X

1.8 GPM @ 60 PSI

1.8 [RIM SPACE (IN.)/20 GPM @ 60 PSI]

0.20 GALLONS/CYCLE

1.8 [RIM SPACE (IN.)/20 GPM @ 60 PSI]

3 FEMALE

3 FEMALE

3 FEMALE

3 FEMALE

NUMBER OF REQUIRED

EV CHARGING SPACES

CALGreen GENERAL NOTES

THESE DOCUMENTS HAVE BEEN CREATED IN CONFORMANCE WITH THE REQUIRED DESIGN RELATED CODE REQUIREMENTS. CONSTRUCTION RELATED ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS OTHERWISE WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION, ANY THIRD PARTY

VERIFICATION OF COMPLIANCE WITH THE FOLLOWING REQUIREMENTS SHALL BE THE SOLE RESPONSIBILITY OF THE TENANT/BUILDING OWNER. ANY MATERIAL OR PRODUCT SUBSTITUTIONS MADE BY THE GENERAL CONTRACTOR SHALL BE IN CONFORMANCE WITH THE FOLLOWING REQUIREMENTS. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ARCHITECT FOR PRIOR REVIEW.

COMMISSIONING AGENT AND/OR SPECIAL INSPECTORS REQUIRED TO PROVIDE

ANY REQUESTED SUBSTITUTIONS THAT ARE NOT IN CONFORMANCE WITH THE FOLLOWING REQUIREMENTS WILL BE REJECTED AND THE GENERAL CONTRACTOR WILL BE REQUIRED TO FURNISH THE SPECIFIED PRODUCT/MATERIAL AT NO ADDITIONAL COST.

. IT IS HIGHLY ENCOURAGED THAT THE GENERAL CONTRACTOR REVIEW THE SAMPLE WORKSHEETS PROVIDED IN CHAPTER 8 OF THE CALIFORNIA GREEN BUILDINGS STANDARDS CODE IN PREPARATION FOR THE REQUIRED DOCUMENTS RELATED TO CONSTRUCTION WASTE MANAGEMENT

IN THE EVENT OF ANY DISCREPANCY BETWEEN THIS DOCUMENT AND THE CURRENT CALIFORNIA GREEN BUILDINGS STANDARDS CODE, INCLUDING AMENDMENTS, THE TEXT OF THE CODE AND AMENDMENTS SHALL GOVERN.

MEASURE COMPLIANCE DRAWING/SPECIFICATION REFERENCE

INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS

SECTION 702 QUALIFICATIONS 702.1 INSTALLER TRAINING HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING DUCTS AND EQUIPMENT BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING OR CERTIFICATION PROGRAM. UNCERTIFIED PERSONS MAY PERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS. EXAMPLES OF ACCEPTABLE HVAC TRAINING AND CERTIFICATION PROGRAMS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

- 1. STATE CERTIFIED APPRENTICESHIP PROGRAMS
- 2. PUBLIC UTILITY TRAINING PROGRAMS
- 3. TRAINING PROGRAMS SPONSORED BY TRADE, LABOR OR STATE-WIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATIONS
- 4. PROGRAMS SPONSORED BY MANUFACTURING ORGANIZATIONS 5. OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY

702.2 SPECIAL INSPECTION.

BSC WHEN REQUIRED BY THE ENFORCING AGENCY, THE OWNER OR THE RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE. SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE ENFORCING AGENCY FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO BE PERFORMED. IN ADDITION, THE SPECIAL INSPECTOR SHALL HAVE A CERTIFICATION FROM A RECOGNIZED STATE, NATIONAL OR INTERNATIONAL ASSOCIATION, AS DETERMINED BY THE LOCAL AGENCY. THE AREA OF CERTIFICATION SHALL BE CLOSELY RELATED TO THE PRIMARY JOB FUNCTION, AS DETERMINED BY THE LOCAL AGENCY.

NOTE: SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR

COMPLIANCE WITH THIS CODE.

SECTION 703 VERIFICATIONS

703.1 DOCUMENTATION. DOCUMENTATION USED TO SHOW COMPLIANCE WITH THIS CODE SHALL INCLUDE BUT IS NOT LIMITED TO, CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, BUILDER OR INSTALLER CERTIFICATION INSPECTION REPORTS OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY WHICH DEMONSTRATE SUBSTANTIAL CONFORMANCE. WHEN SPECIFIC DOCUMENTATION OR SPECIAL INSPECTION IS NECESSARY TO VERIFY COMPLIANCE, THAT METHOD OF COMPLIANCE WILL BE SPECIFIED IN THE APPROPRIATE SECTION OR IDENTIFIED IN THE APPLICATION CHECKLIST.

DIVISION 5.1 - PLANNING AND DESIGN

5.106.1 STORM WATER POLLUTION PREVENTION NEWLY CONSTRUCTED PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF LAND SHALL PREVENT THE POLLUTION OF STORMWATER RUNOFF FROM THE CONSTRUCTION ACTIVITIES THROUGH ONE OR MORE OF THE FOLLOWING MEASURES: 5.106.1.1 LOCAL ORDINANCE

5.106.1.2 BEST MANAGEMENT PRACTICES (BMP)

N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK.

5.106.4.1 BICYCLE PARKING [BSC] COMPLY WITH SECTIONS 5.106.4.1.1 AND 5.106.4.1.2; OR MEET THE APPLICABLE

LOCAL ORDINANCE, WHICHEVER IS STRICTER.

5.106.4.1.1 SHORT-TERM BICYCLE PARKING [BSC] N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK.

5.106.4.1.2 LONG-TERM BICYCLE PARKING [BSC]

N/A. PROJECT IS INTERIOR TENANT IMPROVEMENTS ONLY. NO EXTERIOR WORK.

5.106.5.2 DESIGNATED PARKING TABLE 5.106.5.2

TOTAL NUMBER OF PARKING SPACES OF REQUIRED SPACES 26-50 76-100 151-200

AT LEAST 8 PERCENT OF TOTAL

SEE SHEET AO.5. SITE PLAN FOR MORE INFORMATION

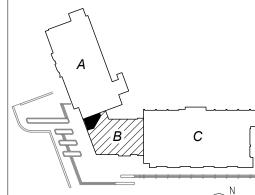
5.106.5.2.1 PARKING STALL MARKING

201 AND OVER

SEE SHEET AO.5, SITE PLAN FOR MIRE INFORMATION

University of California Merced, California

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GROUND FLOOR

ARCHITECT

ENGINEER

DSA SUBMITTAL 06.16.17 UC FACILITIES REVIEW 06.06.17 05.17.17 FOR ENGINEERING UPDATED FINAL 04.17.17 UPDATED PRELIM 04.12.17 04.10.17 PRELIMINARY

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Cafe Remodel

PROJECT #: UCMERC_041017

CAL-GREEN

SHEET NO.

SHEET TITLE

DWG REF: A0.2 CALGREEN

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0.09

0.13



		EQUIPMENT & FI)	KTURES			D BY U.C.
11				T		STING EQUIP. CED BY G.C.
Item No	Qty	Equipment Category	Manufacturer	Model Number		INSTALLED E G.C. & VEND
1	1	Refrigerated Self—Service Case	Structural Concepts	B42		
2	1	Refrigerator, Reach—In	True Food Service	T-49		
3	1	Display Case, Refrigerated	True Food Service	GDM-69-LD		
4	1	Shelving, Mobile, Plastic, Louvered	Cambro	CPMU183667V5480		
5	1	Drop-In, Hot Wells	APW Wyott	HFW-3D		MILLWORK
6	1	Warmer, Drawer Type	APW Wyott	HDDS-3B		MILLWORK
7	2	Drop-In, Cold Pan	APW Wyott	CW-1		MILLWORK
8	1	Oven, Microwave/Convection, Combi	TurboChef	ENCORE	•	
9	1	Toaster, Conveyor	Star Manufacturing	QCS3-1400BH		
10	1	Refrigerator, Sandwich/Salad Prep	True Food Service	TSSU-48-12-ADA	•	
11	2	Shelf, Wall Mount	Advance Tabco	WS-12-48		CARPENTRY
12	1	Refrigerator, Undercounter, Compact	True Food Service	TUC-48-ADA		
13	1	Coffee Maker, Satellite System	Bunn-O-Matic	27900.0001		
14	1	Coffee Grinder	Bunn-O-Matic	22104.0000	0	
15	1	Dispenser, Beverage/Non-Carbonated	Crathco	D25-4	•	
16	1	Sink, Drop-In	Advance Tabco	DI-1-10SP	•	MILL/PLUMB
16A	1	Filler, Glass & Pitcher	Fisher	1009	•	MILL/PLUMB
17	2	Espresso Machines, Super Automatic	Schaerer USA	040381-00001EUS	•	
18	2	Blender, Beverage	Vita-Mix	Quiet One	0	
19	2	lce Maker w/ Bin	lce-O-Matic	ICEU220HA	•	MILL/PLUMB
20	1	Refrigerated Self—Service Case	Structural Concepts	CO53R-UC	•	MILLWORK
21	1	Mop Sink Storage Cabinet	Eagle Group/Metal Masters	F1916-VSCS	•	PLUMBING
22	1	Faucet, Utility	Fisher	8261	•	PLUMBING
23	3	Shelf, Wall Mount	Eagle Group/Metal Masters	GWB1848VG		CARPENTRY
24	2	Refrigerator, Undercounter	Beverage-Air	UCR27A		
25	2	Sink, Hand, Wall Mount	Eagle Group/Metal Masters	HSAP-14-ADA-FW		PLUMBING
26	1	Pre-Rinse Faucet, Wall Mount	Fisher	34401		PLUMBING
27	1	Sink, Scullery, 3 Compartments	Eagle Group/Metal Masters		•	PLUMBING
28A 28B	1 2	LED Display Light / Sneeze Guard	Advance Tabco (plug by MFG)	LED-G-60 LED-G-48		MILL/ELEC
29	2	Dishtable, Sorting Shelf	Advance Tabco	DT-6R-22		CARPENTRY
30	2	Warmer, Food, Electric	Vollrath	72021		
31	6	Dispenser, Cup	San Jamar	C2010C		MILLWORK
32	1	Shelf, Wall Mount	Eagle Group/Metal Masters	GWB1448VG		CARPENTRY

MISCELLANEOUS FIXTURE NOTES

F1 DRINK PASS

| F2 | EXISTING POS / ORDER

F3 CONDIMENT BAR

| F4 | NEW WATER HEATER

F5 SNEEZE GUARD

F6 FURRING AND NEW WALL TO +7'-10" +/- A.F.F.

NEW PASTRY CASE WITH SELF SERVICE DISPLAY

F8 POS @ +34" A.F.F WITH RETAIL SELF SERVE BELOW

F9 SMOOTHIES AND BLENDER STATION

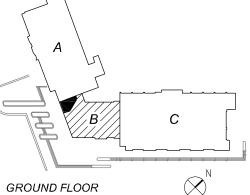
F10 SYRUP RACK

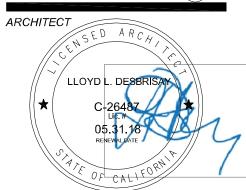
F11 WATER FILTRATION

F12 6" DIA X 12" D STAINLESS STEEL DROP IN SLEEVES FOR TRASH, ETC.

University of California Merced, California

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ENGINEER

DSA A# 02-115975

DSA SUBMITTAL 06.16.17 UC FACILITIES REVIEW 06.06.17 05.17.17 FOR ENGINEERING UPDATED FINAL 04.17.17 UPDATED PRELIM 04.12.17 PRELIMINARY 04.10.17

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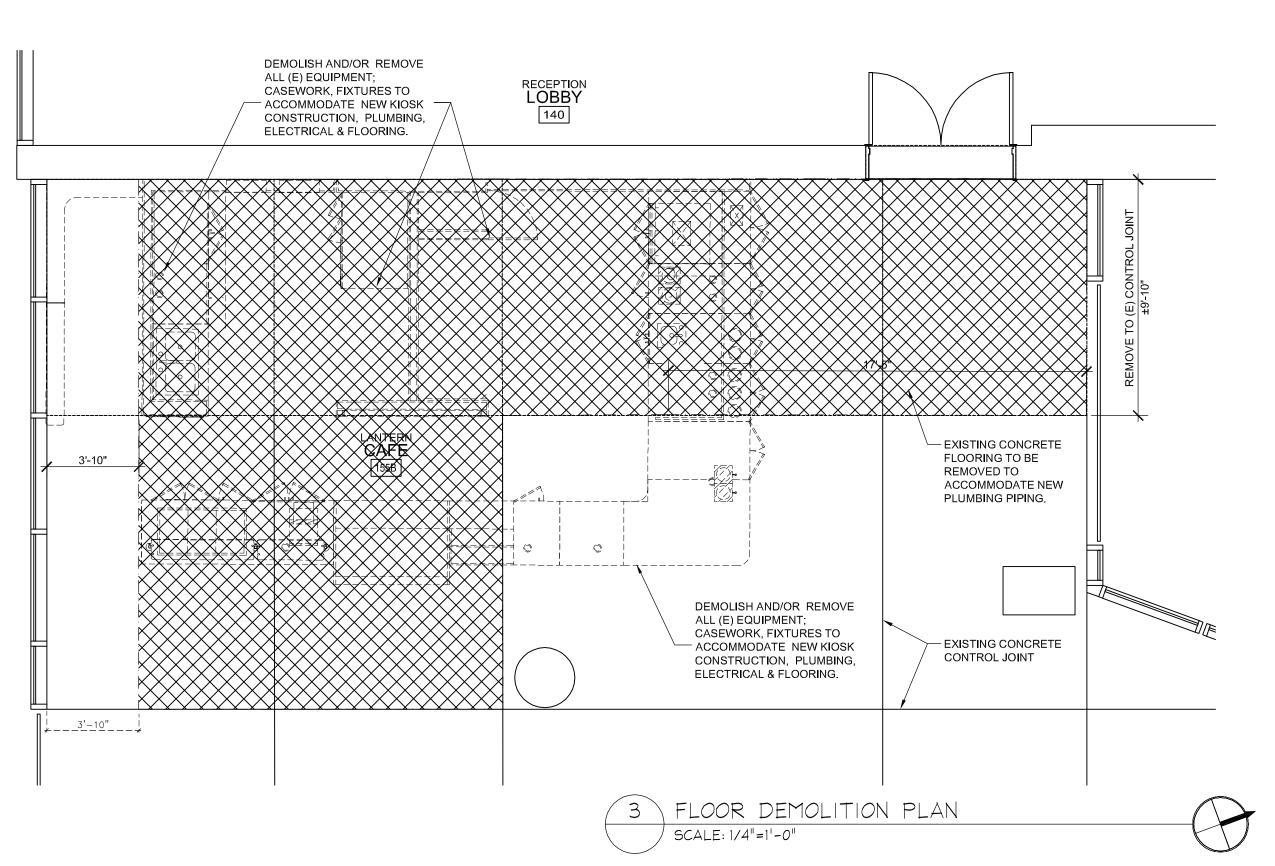
PROJECT #: UCMERC_041017 SHEET TITLE

EQUIPMENT

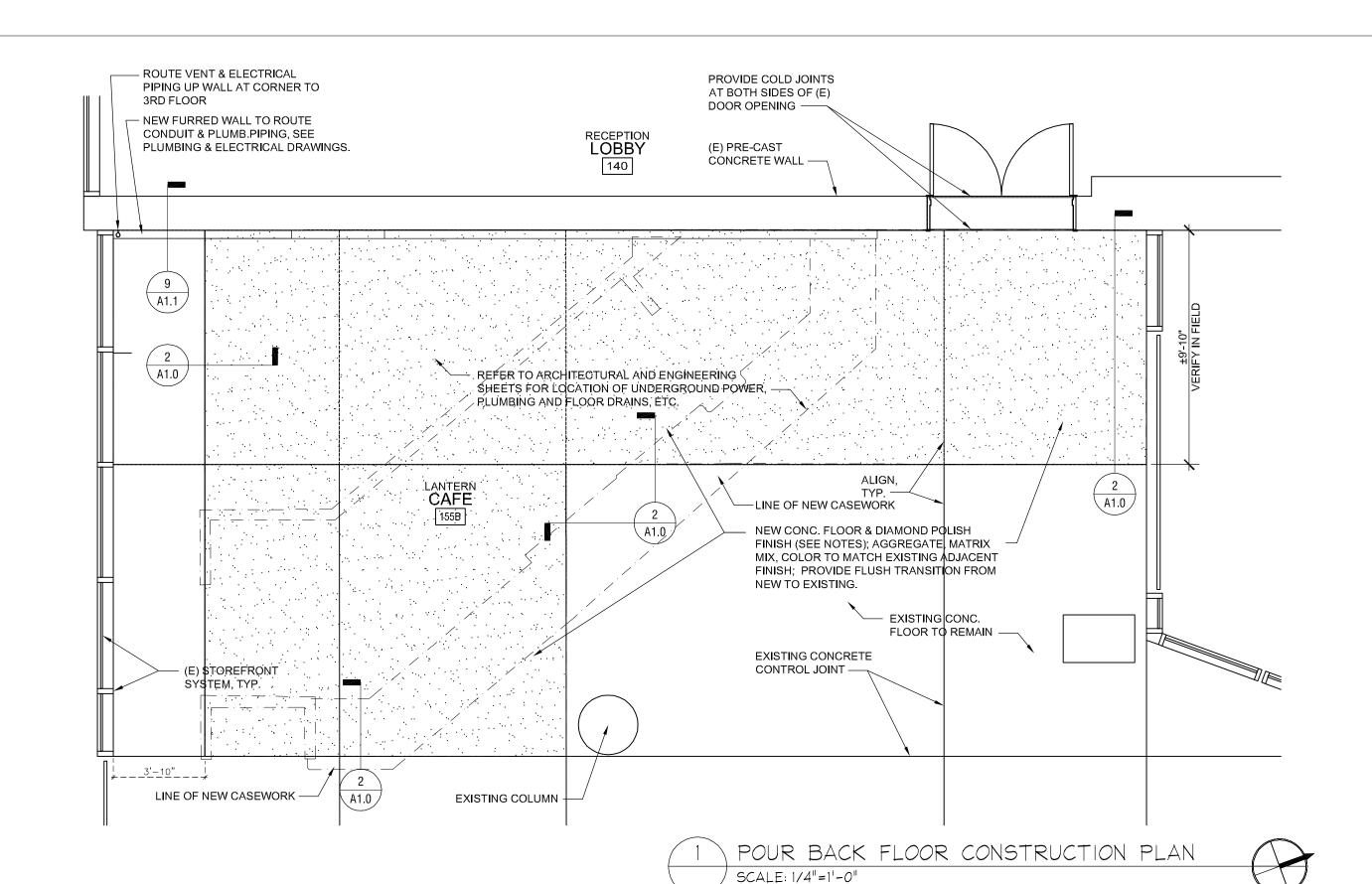
LAYOUT

FS1.0

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FLOOR DEMOLITION NOTE: PRIOR TO CUTTING (E) CONCRETE FLOOR SLAB CONTRACTOR TO VERIFY THAT EXISTING SLAB IS NOT POST TENSION AND TO TAKE PRECAUTIONS TO ALLEVIATE ANY ISSUES WITH EXISTING TENDONS, CONDUIT PIPES, PLUMBING AND RACEWAYS, OR OTHER SUB-SLAB BUILDING ELEMENTS.



DIAMOND POLISHED FLOOR SYSTEM: I) PROTECT WINDOWS, ALUM. FRAMES & ALL WALL & DOOR SURFACES.

2) REMOVE VINYL BASEBOARD IF APPLIES. 3) REMOVE & REPLACE ALUM. THRESHOLDS.

4) PREP & FILL DEEP GROOVED CONTROL JOINTS

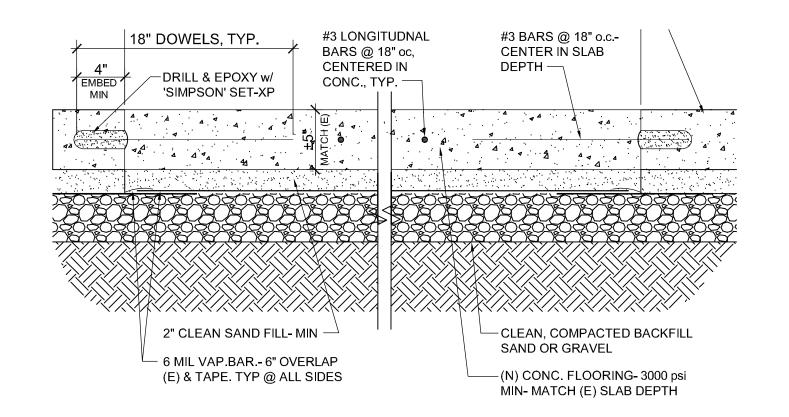
W/SEMI-FLEXIBLE EPOXY SEALANT 5) GRIND TO FLATTEN ALL SURFACES W/PROPRIETARY MILLING MACHINE FINAL FLATNESS TO BE EQUAL OR BETTER THANI/8" IN 10 FEET EXCEPT WHERE EXCESSIVELY

LOW AREAS ARE ENCOUNTERED. 6) "LITHIFY" ALL SURFACES W/TWO COMPONENT HIGHLY PENETRATING RESIN SO AS TO WELD TOGETHER ANY GRANULAR OR SOFT TEXTURE OF THE CEMEN/SAND PASTE. THIS ALSO GREATLY IMPROVES THE FINAL GLOSS. 7)POLISH UP TO 800 GRIT (HIGH GLOSS) 5 TO 6 STEPS

8) APPLY L&M CHEMICAL'S FGS HARDENER. 9) APPLY A FINAL IMPREGNATING SEALER OF DRYTREAT'S

"STAIN PROOR TO PROTECT AGAINST STAINING. 10) ALL EDGES TO BE HAND POLISHED TO WITHIN A 1/4 OF

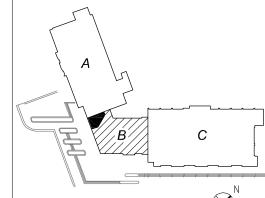
11) INCLUDES: DYE OR REACTIVE STAIN. 12)INCLUDES: ADDITIONAL UNIFORM GRADING OVER THE ENTIRE AREA TO REMOVE APPROX. 1/8" AND OWNER WOULD LIKE THE APPEARANCE OF TOTAL LARGER AGGREGATE EXPOSURE.



NEW TO EXISTING CONCRETE PATCH SCALE: 1 1/2" =1'-0"

University of California Merced, California

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GROUND FLOOR ARCHITECT

ENGINEER

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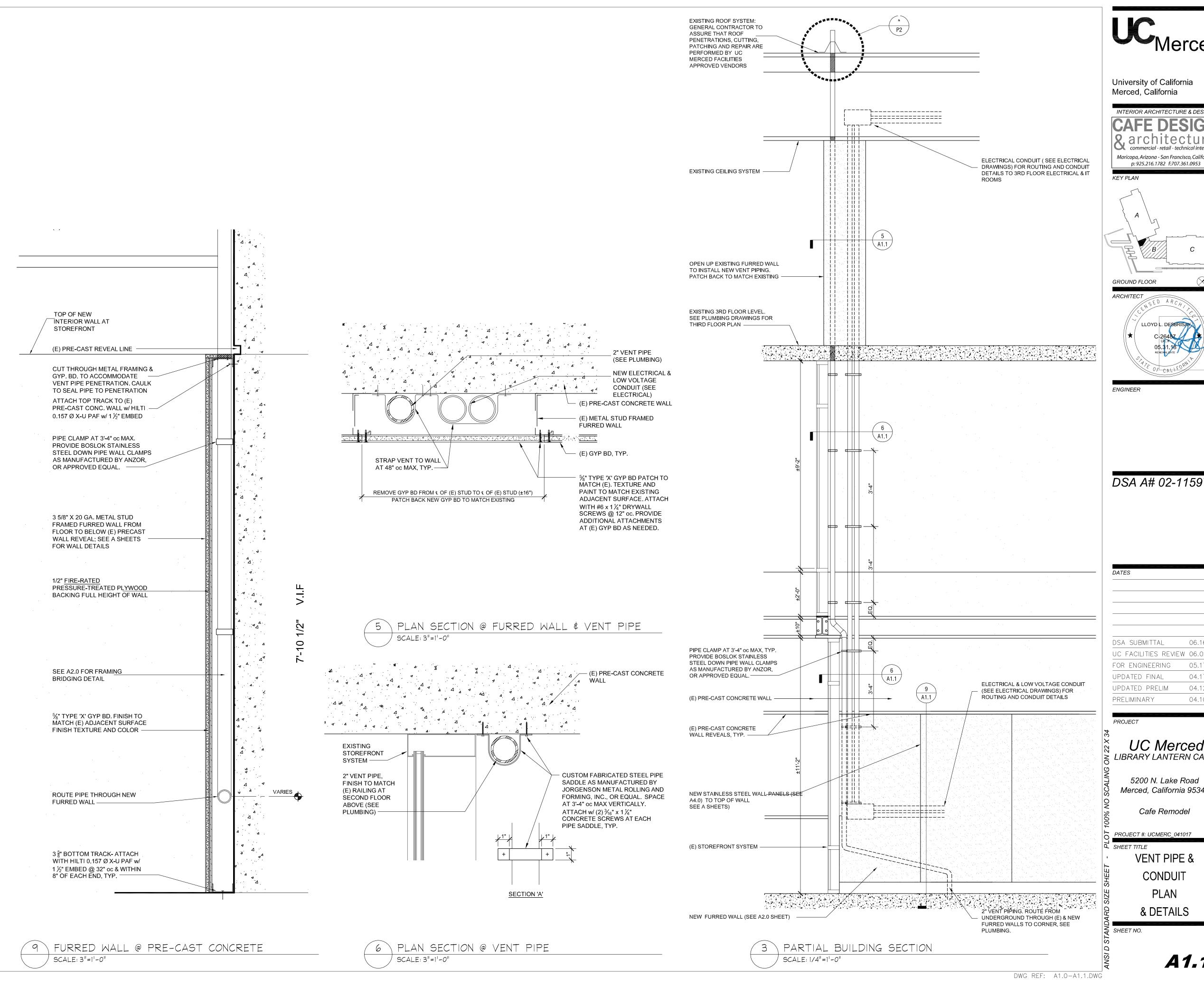
FLOOR DEMO & CONSTRUCTION PLANS

& DETAILS

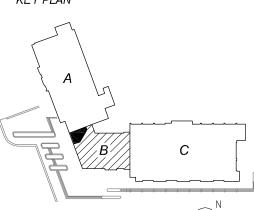
SHEET NO.

A1.0

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04.17.17

04.12.17 04.10.17

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VENT PIPE & CONDUIT PLAN

& DETAILS

A1.1



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GROUND FLOOR

ARCHITECT

ENGINEER

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> **CASEWORK & PARTITION** PLAN

SHEET NO.

A2.0

PLUMBING NOTES

- 1. THE PLUMBER SHALL FURNISH AND INSTALL THE
- FOLLOWING:

 1.1. ALL WATER, WASTE, GAS AND/OR STEAM SERVICE
 TO THE POINT OF ROUGH-IN AS SHOWN ON PLAN.
 ROUGH-IN OUTLETS TO STUB 4" OUT OF WALLS
 AT HEIGHT INDICATED FROM FINISHED FLOOR TO
 CENTER LINE OF OUTLET. FLOOR OUTLETS TO
 STUB UP 4" ABOVE FINISHED FLOOR OR CURB.
 ALL FLOOR OPENINGS SHALL BE SEALED
- 1.2. PRESSURE REDUCING VALVES OR REGULATORS,
 AS REQUIRED, FOR DISHWASHERS AND BOOSTER
 HEATERS, AND AS OTHERWISE NOTED.
- I.3. ALL FLOOR SINKS, COMPLETE WITH TOP GRATES INDICATED AND REMOVABLE SEDIMENT BUCKETS SET FLUSH WITH FINISHED FLOOR, UNLESS

OTHERWISE NOTED.

- 1.4. ALL WASTE LINES, DIRECT OR INDIRECT, EXCEPT AS NOTED, MINIMUM DIAMETER OF LINE SHALL BE AS INDICATED ON SPECIFIC EQUIPMENT CUT SHEETS AND/OR PLUMBING ENGINEERS PLAN, REGARDLESS OF CONNECTION SIZE, AND SHALL BE PITCHED DOWNWARD, MAINTAIN DRAINS AS HIGH AS POSSIBLE ABOVE FLOOR. ALL WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS.
- 1.5. ALL REQUIRED GREASE TRAPS, OUTSIDE THE BUILDING WHERE POSSIBLE, OTHERWISE BELOW OR
- FLUSH WITH FLOOR.

 1.6. INSTALL FIRE CONTROL SHUT OFF VALVE(S) AS SUPPLIED BY THE FIRE PROTECTION SYSTEM CONTRACTOR, IF GAS FIRED COOKING EQUIPMENT IS LISTD.
- 1.7. INSULATION, AS REQUIRED, FOR ALL STEAM, HOT WATER, AND CONDENSATE LINES IN THE KITCHEN.

 1.8. VACUUM BREAKERS AS NECESSARY EXCEPT FOR
- 1.8. VACUUM BREAKERS AS NECESSARY EXCEPT FOR THOSE PROVIDED BY THE K.E.C. WITH DISPOSER(5).
- 1.9. CLEAN OUT VALVES FOR STEAM, CONDENSATE AND AIR LINES.
- I.10. PROVIDE ACCESSIBLE WATER STOPS AT ALL WATER SUPPLY OUTLETS.

 I.11. WATERTIGHT PVC CONDUIT FOR REMOTE SODA, BEER, OR LIQUOR SYSTEMS. CONFIRM LINE SIZE
- AND STUB OUT LOCATIONS WITH SYSTEM VENDOR(5).

 2. ALL VENT PIPES ARE TO BE CONCEALED IN WALLS OR
- COLUMN CHASES.

 3. ALL LINES ROUTED THROUGH EQUIPMENT SHALL NOT
- INTERFERE WITH INTENDED USE OF, OR SERVICING OF, EQUIPMENT.

 4. DIMENSIONS INDICATED ARE TO BE CERTIFIED BY CONTRACTOR AND ADJUSTED AS REQUIRED FOR ACTUAL EQUIPMENT AND/OR FIELD CONDITIONS. SEE
- 5. REFER TO ARCHITECTURAL AND ENGINEERING DRAWINGS FOR SERVICE SINKS, LAVATORIES, WATER CLOSETS, URINALS, WATER HEATER, DRINKING FOUNTAINS, AND/OR WATER SOFTENING EQUIPMENT, U.O.N.
- 6. FLUSH OUT ALL PIPING AND DRAINAGE SYSTEMS PRIOR TO FINAL CONNECTION TO THE FOODSERVICE
- 7. THE OWNER OR FOOD PURVEYOR WILL SUPPLY SOME OF THE EQUIPMENT SHOWN. THE PLUMBER SHALL CONFIRM ALL EQUIPMENT TO BE SUPPLIED WITH THE KITCHEN EQUIPMENT CONTRACTOR, THE OWNER, OR OTHER SOURCE AND SHALL BE RESPONSIBLE FOR ANY SERVICE MODIFICATIONS REQUIRED.
- 8. LOCAL CODE COMPLIANCE MAY REQUIRE THAT INDEPENDENT SERVICES BE PROVIDED TO EACH APPLIANCE, AND THAT ALL SERVICE IS PROVIDED WITH MEANS OF BACKFLOW PREVENTION, VACUUM BEAKERS, AND/OR SHUTOFF VALVES. THE PLUMBER SHALL PROVIDE ALL LABOR/MATERIALS NEEDED FOR CORRECT AND CODE COMPLIANT SERVICES TO ALL APPLIANCES.
- 9. ALL WORK TO BE DONE IN COMPLIANCE WITH ESTABLISHED NATIONAL, STATE, AND LOCAL CODES, AS APPLICABLE.

ELECTRICAL NOTES

- A. ALL ELECTRICAL OUTLETS SHOWN ON THIS PLAN ARE FOR FIXTURES SPECIFIED AS FURNISHED BY THE KITCHEN EQUIPMENT SUPPLIER. FOR FURTHER BUILDING ELECTRICAL REQUIREMENTS (TELEPHONES, CLOCKS, SIGNS, ETC.) SEE OTHER PLANS.
- ARE FROM CENTERLINES AND/OR FINISHED WALLS AS NOTED. ELEVATIONS GIVEN ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. ALL ROUGH-INS SHOWN ARE TO BE RUN INSIDE WALLS (EXCEPT STUB-UPS). LOCATION INDICATES POINT OF EXIT FROM WALLS, CEILINGS OR FLOORS. EQUIPMENT & CONVENIENCE OUTLETS TO BE SET HORIZONTALLY WHEN +36" A.F.F. AND/OR ABOVE COUNTERS. ALL 120 VOLT OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS TO BE RATED AT 20.0 AMPS.
- C. ELECTRICIAN TO CONNECT ALL ELECTRICAL EQUIPMENT AND FIXTURES AND DO ANY INTERNAL WIRING REQUIRED IN THE FIXTURES AS REQUIRED BY THE SPECIFICATIONS. ALL ELECTRICAL OUTLET COVER PLATES ARE TO BE STAINLESS STEEL AND ARE TO BE FURNISHED BY THE ELECTRICIAN, AS WELL AS THE RECEPTACLE, UNLESS OTHERWISE SPECIFIED IN THE ITEM SPECIFICATIONS. ALL DISCONNECT SWITCHES ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICIAN AT TIME OF INSTALLATION.
- D. ALL WORK TO BE PERFORMED IN FULL ACCORDANCE WITH ALL APPLICABLE CODES RELATING TO HOOK-UP, INSTALLATION AND WIRING OF EQUIPMENT. OMISSIONS OR ERRORS ON THE SCHEDULE DO NOT RELIEVE THE ELECTRICIAN FROM COMPLETE FINAL CONNECTION RESPONSIBILITY
- E. IF ELECTRICAL OUTLETS AND/OR RECEPTACLES ARE CHANGED FROM @STUB-UP" TO @WALL-MOUNTED", THE @WALL-MOUNTED" OUTLETS AND/OR RECEPTACLES ARE TO BE SET AT 18" A.F.F.

GENERAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-IN AND FINAL CONNECTION TO THE FOODSERVICE EQUIPMENT, INCLUDING LABOR AND MATERIALS.
 THE ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL THE FOLLOWING:
- 2.1. ALL JUNCTION/HANDY BOXES METAL CONDUIT, WIRING AS REQUIRED; CONVENIENCE OUTLETS WITH COVERS, SWITCHES, CONNECTERS, CONTROLS AND OTHER ACCESSORIES THAT ARE NOT AN INTEGRAL PART OF THE FOODSERVICE EQUIPMENT AS REQUIRED TO MAKE FINAL CONNECTIONS TO THE FOODSERVICE EQUIPMENT FOR A COMPLETE AND FUNCTIONAL OPERATION MEETING ALL APPLICABLE CODES AND ORDINANCES.
- 2.2. ALL PLUGS AND CORDS AS REQUIRED FOR THE FOODSERVICE EQUIPMENT OR AS NOTED ON SCHEDULE. ALL CORDS SHALL BE N.E.M.A. RATED AND U.L. APPROVED FOR MANUFACTURED AND/OR FABRICATED EQUIPMENT.

 2.3. SHUNT TRIP BREAKERS OR DISCONNECTS FOR THE
- FIRE PROTECTION SHUT OFF OF ALL UNDER HOOD EQUIPMENT AND/OR OUTLETS.

 2.4. DISCONNECTS AND OTHER DEVICES AS REQUIARED BY
- LOCAL AND ESTABLISHED CORES.
 2.5. WALL SWITCH FOR HOOD LIGHTS WIRED THROUGH THE
- 2.6. ALL REQUIRED STARTERS AND/OR CONTROLS FOR THE KITCHEN EXHAUST AND SUPPLY FANS(S).

EXHAUST AND SUPPLY FAN(S).

- THE KITCHEN EXHAUST AND SUPPLY FANS(S).

 7. EXTERIOR SERVICE AS REQUIRED, INCLUDING DISCONNECTS, FOR THE VENTILATION EQUIPMENT AND COOLER AND FREEZER, AND ICE MACHINE CONDENSING UNITS AS WELL AS NEEDED CONTROL WIRING
- BETWEEN INTERNAL AND EXTERNAL COMPONENTS.

 2.8. DEDICATED ISOLATED GROUND CIRCUITS AND INTERCONNECTED WIRING AND BOXES IN LOCATIONS AS NEEDED FOR THE REGISTER AND PRINTER POINT-OF-SALE SYSTEMS AS FURNISHED BY THE OWNER. CONFIRM SYSTEM REQUIREMENTS WITH THE SUPPLIER.

PLUMBING NOTES

- A.ALL OUTLETS AND CONNECTIONS SHOWN RELATE TO FOODSERVICE FIXTURES AND EQUIPMENT ONLY. ADDITIONAL SERVICE WILL BE REQUIRED. SEE ARCHITECTURAL/ENGINEERING PLANS FOR ADDITIONAL REQUIREMENTS.
- B.DIMENSIONS SHOWN ARE FROM FINISHED FLOORS AND FINISHED WALLS, OR CENTERLINE OF COL. AS NOTED C.ALL FINAL CONNECTIONS ARE TO BE MADE BY THE PLUMBER, INCLUDING REQUIRED MATERIALS, SUCH AS STOPS, VALVES, FILTERS, PIPING, APPROPRIATE SIZE AND TYPE OF FOOD GRADE FLEX TUBING AND ALL
- TYPE OF FOOD GRADE FLEX TUBING AND ALL ACCESSORIES THAT ARE NOT AN INTEGRAL PART OF THE FOODSERVICE EQUIPMENT AS REQUIRED TO MAKE FINAL CONNECTIONS TO THE EQUIPMENT FOR A COMPLETE AND FUNCTIONAL OPERATION THAT MEETS ALL APPLICABLE CODES AND ORDINANCES.

PLUMBING FIXTURE NOTES:

- 1. PROVIDE SHUT OFF VALVE AT CONNECTION TO EQUIPMENT FROM FILTER
- WATER SUPPLY FROM COLD WATER WALL CONNECTION TO WALL MOUNTED POINT OF USE FILTER. SEE FSI.0 FOR SPECS.
- 3. REFER TO AS BUILT OR SITE VERIFICATION FOR BUILDING PLUMBING INFRFASTRUCTURE; H / C WATER, FLOOR DRAINS AND SEWER LOCATIONS
- 4. INDIRECT WASTE LINE OR CONDENSATE DRAIN FROM EQUIPMENT / SINK TO FLOOR SINK OR PLUMBED DRAIN
- EQUIPMENT / SINK TO FLOOR SINK OR PLUMBED DRA
 A: 1 ½" INDIRECT FLEX DRAIN
 - B: 1 INDIRECT DRAIN
- C: 3/4" INDIRECT FLEX DRAIN
 D: 1 3" INDIRECT GRAVITY DRAIN
- UTILITIES STUBBED UP FROM FLOOR MUST BE COORDINATED WITH CABINETRY BASES AND DIAS WALLS (SEE PLUMBING NOTES 1- 1.1)
- 7. EXISTING 12kw WATER HEATER LOCATED IN UTILITY CLOSET

- 3. DIMENSIONS SHOWN ARE FROM FINISHED FLOOR AND
- FINISHED WALL TO THE CENTER OF OUTLET.

 4. RECEPTACLE SHALL BE MOUNTED VERTICALLY UNLESS OTHERWISE SPECIFIED.

 5. WHEN APPLICABLE, THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING: INSTALL ELECTRICAL

EQUIPMENT SUPPLIER; AND INTERWIRE BETWEEN THE

FOLLOWING:
5.1. CONTROL PANELS TO WATER TYPE VENTILATORS AND EXHAUST/SUPPLY FANS PER MANUFACTURER

COMPONENTS PER SPECIFICATIONS AS PROVIDED BY THE

- INSTRUCTIONS.
 5.2. KITCHEN EXHAUST SYSTEM TO FIRE CONTROL
- 5.3. DISPOSER CONTROL TO TIME DELAY/RELAY,
 MAGNETIC STARTER, MOTOR, AND SOLENOID VALVE.
- 5.4. LOW TEMPERATURE COMPRESSORS AND COOLER/FREEZER COILS FOR FAN MOTORS AND DEFROST ELEMENT POWER SOURCE.
- DIMENSIONS SHOWN ARE TO BE VERIFIED BY CONTRACTOR AND ADJUSTED AS REQUIRED BY FOODSERVICE EQUIPMENT AND/OR FIELD CONDITIONS.
- REFER TO ARCHITECTURAL/ENGINEERING DRAWINGS FOR CLOCKS, TIME CLOCKS, AND COMMUNICATIONS SYSTEMS WITHIN THE FOODSERVICE AREAS.
- 8. VERIFY ALL ELECTRICAL CHARACTERISTICS SHOWN WITH THE ARCHITECTURAL ENGINEERING DRAWINGS.
- 9. THE OWNER OR FOOD PURVEYOR WILL SUPPLY SOME OF THE EQUIPMENT SHOWN. THE ELECTRICAL CONTRACTOR SHALL CONFIRM ALL EQUIPMENT TO BE SUPPLIED WITH THE KITCHEN EQUIPMENT CONTRACTOR, THE OWNER, OR OTHER SOURCE AND SHALL BE RESPONSIBLE FOR ANY SERVICE
- MODIFICATIONS REQUIRED.

 10. ALL WORK TO BE DONE IN COMPLIANCE WITH ESTABLISHED NATIONAL, SATE, AND CITY CODES, AS APPLICABLE.

ELECTRICAL FIXTURE NOTES:

- 1. PROVIDE GROMMET IN COUNTER TOP TO OUTLET BELOW FOR PLUGS BELOW COUNTER.
- 2. IF NO CORD PROVIDED; SEE GENERAL ELECTRICAL NOTES; VERIFY WITH EQUIPMENT SPEC FOR PLUG & RECEPTACLE
- 3. REFER TO ELEVATIONS FOR LOCATIONS OF HORIZ. OUTLETS AND SPECIFIC EQUIP./SHELVING INSTALLATION HEIGHTS.
- 4. PIGTAIL HARDWIRE CONNECTION. VERIFY WITH MFG. SPEC.
- 5. VERIFY REQUIREMENTS WITH VENDOR \$ OWNER6. GFI AS REQUIRED
- 7. DEDICATED CIRCUIT REQID
- 8. EQUIPMENT HAS POWER OPTION; 220 OR 110 SELECT POWER PRIOR TO EQUIPMENT PURCHASE



PLUMBING FIXTURE SCHEDULE:

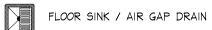
REFER TO "P" ENGINEERING SHEETS

<u> </u>	TEM:	DETAIL:	UTILITY IN	INLET SIZE	HEIGHT A.F.F.	SIZE, LOCATION	NOTES: TO BE VERIFIED
F	P05	HOT WELL	DRAIN				
F	700	COLD PAN	DRAIN			WALL	
Ŧ	P09	FAUCET	HOT \$ COLD WATER		24"	WALL	
	P14	COFFEE BREWER			48"	WALL	SEE #1,2
F	P16A	GLASS FILLER			24"	WALL	
	P16	FAUCET	HOT & COLD WATER		24"	WALL	
	P17	ESPRESSO MACHINE			24"	WALL	SEE #1,2,4A 15-70 PSI
	P19	ICE MAKER			24"		SEE #4C
F	P22	UTILITY FAUCET	HOT & COLD WATER		36"	MALL	
F	P25	FAUCET	HOT # COLD WATER		24"	WALL	
Ī	P26	PRE-RINSE FAUCET	HOT & COLD WATER)	38"	WALL	
	WF	R/O WATER SYSTEM	COLD WATER		60"	WALL	REFER TO PLUMBING SHEETS
	WH1	NEW 40 GAL WATER HEATER GALLON	COLD FROM BUILDING	3/4"	10"		REFER TO PLUMBING SHEETS
	FS1	NEW AIR	GAP DRAIN SINK	FLOOR			REFER TO PLUMBING SHEETS
P	LUME	BING FIX	(TURE	LEGEN	ND:		

<u>Plumbing fixture legend:</u>

EQUIPMENT KEY: (NUMBER COINCIDES WITH MATRIX ITEM NUMBER) REFER TO FSI.0 FOR EQUIPMENT SPEC INFORMATION AND REFER TO CUT SHEETS (UNDER SEPARATE COVER) FOR MANUFACTURERS DETAILED SPECS.

DRAIN AT EQUIPMENT # FIXTURES TO AIR GAP AT FLOOR SINK



HOT WATER SUPPLY - STUB FROM FLOOR AND/OR WALL

COLD WATER SUPPLY - STUB FROM FLOOR AND/OR WALL

FILTERED WATER SUPPLY - FROM CENTRAL FILTER (PI8); PLUMBER TO VERIFY CAPACITY AND FLOW RATE OF EACH ITEM AND PROVIDE MIN. PSI PER SPECIFICATION TO EACH ITEM.

ELECTRICAL FIXTURE SCHEDULE: REFER TO "E" ENGINEERING SHEETS

<u>ITEM:</u>	DETAIL:	HEIGHT A.F.F:	<u>vc</u>	WATTS	<u>PH</u>	<u>AMP</u>	NOTES:
E01	GRAB-N-GO REFRIG DISPLAY	24"	110/60	1635	1	16	2 WIRE +GRNI NEMA 5-20
E02	REFRIGERATOR	24"	115/60		1	5.8	NEMA 5-15
E03	REFRIGERATOR	24"	115/60		1	6.5	NEMA 5-15
E05	DROP-IN, HOT WELL	12"	208/240 60	4800	1	17.3	NEMA 6-30
(E06)	WARMER DRAWER	12"	120/60	1350	1	11.3	FIELD WIRE (2) EACH
E07	DROP IN COLD PAN	12"	120/60		1	4	FIELD WIRE (2) EACH
E08	CONV. OVEN	48"	208/240 60	6.2Kw	1	30	NEMA 6-30
E09	TOASTER	48"	208/240 60	6.7Kw	1	30	NEMA 6-30
(E10)	PREP TABLE	18"	115/60		1	8.6	15 AMP DEDICATED
(E12)	UC REFRIG	18"	115/60		1	5	
E13	COFFEE BREWER	48"	120/208 60	5900	1	28.3	FIELD WIRE 3+GROUND
E14	COFFEE GRINDER	48"	120/60	1300	1	13	2 WIRE +GROUND
(E15)	BEV DISPENSER	48"	120/60	660	1	6	
(E17)	ESPRESSO MACHINE	24"	208/60		1	30	NEMA L6-30 (2) EACH
(E18)	BLENDER	24"	120/60	1800	1	15	(2) EACH
E19)	ICE MACHINE	18"	115/60	8.8Kw	1	11.9	(2) EACH
(E20)	GRAB-N-GO REFRIG DISPLAY UC	12"	115/60	1446	1	14.58	
(E24)	UC REFRIG	18"	115/60		1	3.9	
(E30)	SOUP WARMER	48"					
WH1)	NEW ELECTRIC WATER HEATER	24"					12Kw MAX
WF	WATER FIL;TRATION SYSTEM	60"	115/60				
EP1)	EXIST ELEC PANEL						
(EP2)	EXIST ELEC PANEL						
<u>GU1</u>	GENERAL USE	+48"	120/60				
(GU2)	GENERAL USE	+18"	120/60				
POS	POS	12"					POWER # DAT
BMP	BUMP BAR MONITOR	VARIES	115/60				DATA FROM P POWER \$ DAT
(BMPS)	BUMP BAR EQUIPMENT ON RACK	60"	115/60				DATA FROM POWER & DAT

ELECTRICAL FIXTURE LEGEND:
ELECTRICAL POWER FOR ALL EQUIPMENT IS DEDICATED. ALL ELECTRICAL

OUTLETS WITHIN 6 FEET OF SINKS MUST BE "GFC!" PROTECTED, VERIFY SPEC INFORMATION AND ENGINEERS DESIGN DOCUMENTATION EQUIPMENT KEY: SEP. CIRCUIT FOR EQUIPMENT AS NECESSARY REFER TO FSI.1 FOR EQUIPMENT REQUIREMENTS MOUNTING HEIGHTS. (LETTER DENOTES UTILITY "ELECTRICAL" NUMBER

COINCIDES WITH MATRIX ITEM NUMBER)

GENERAL USE OUTLET SEE PLAN FOR HEIGHT; GFI; SEE NOTE #1

ELECTRICAL OUTLET PER EQUIPMENT SCHEDULE OR GENERAL CONVENIENCE

ELECTRICAL "J" BOX OR PIGTAIL FOR POWER FEED; UP FROM FLOOR.

UCMerced

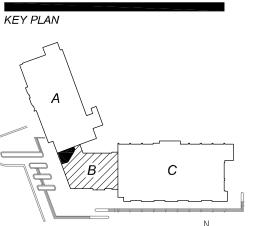
University of California
Merced, California

INTERIOR ARCHITECTURE & DESIGN

CAFE DESIGN

architecture
commercial - retail - technical interiors

Maricopa, Arizona - San Francisco, California
p: 925.216.1782 f:707.361.0953



★ C-26487 Lie.# 05.31.18 RENEWAL BATE

ENGINEER

GROUND FLOOR

ARCHITECT

D3A A# 02-113913

DSA SUBMITTAL 06.16.17
UC FACILITIES REVIEW 06.06.17

FOR ENGINEERING 05.17.17

UPDATED FINAL 04.17.17

UPDATED PRELIM 04.12.17

PRELIMINARY 04.10.17

UC Merced LIBRARY LANTERN CAFE

PROJECT

5200 N. Lake Road Merced, California 95343

Cafe Remodel

PROJECT #: UCMERC_041017

SHEET TITLE

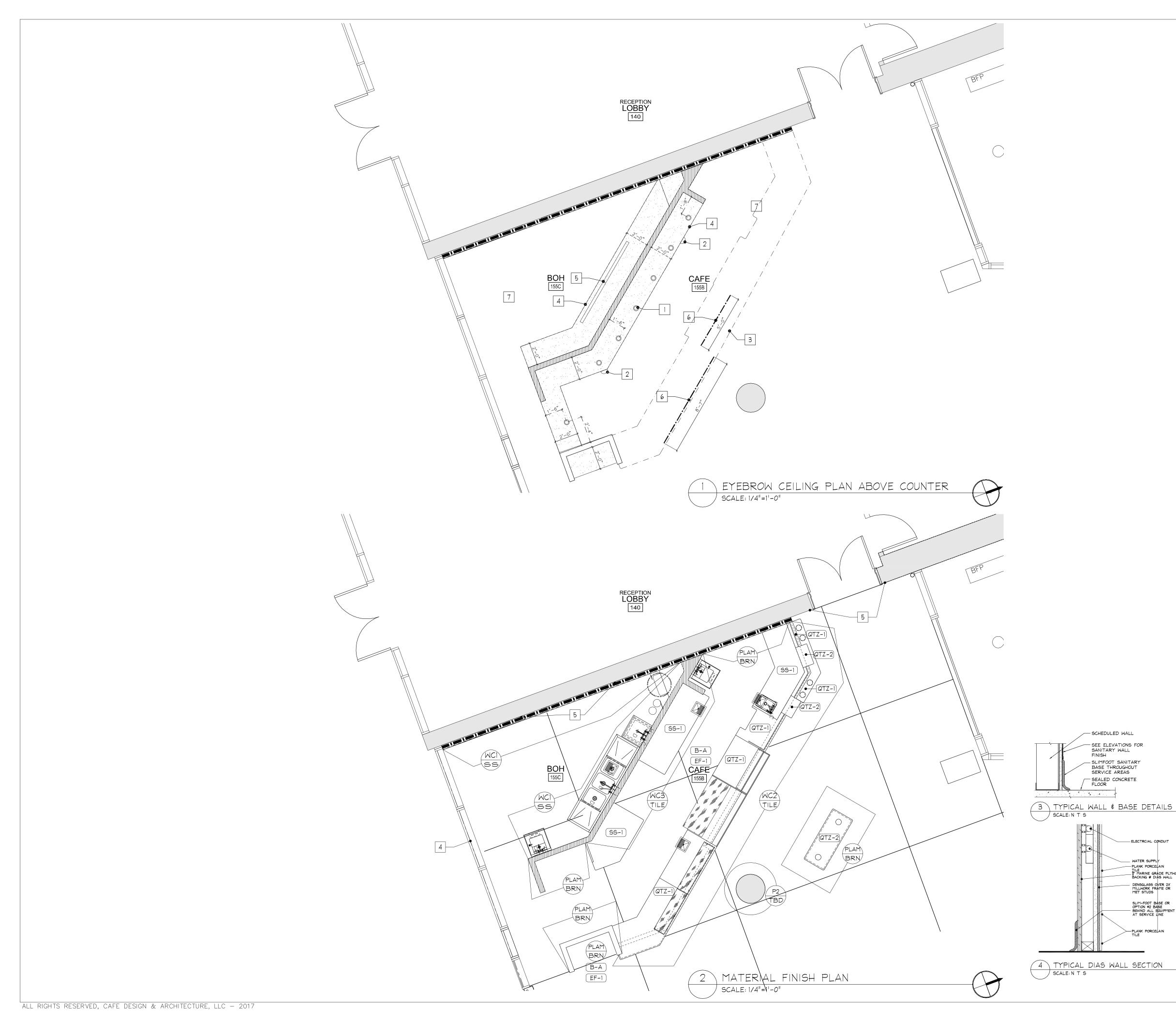
ROUGH-IN UTILITIES PLAN

SHEET NO.

42

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DWG REF: FS1.0_LANTERN.DWG



CEILING LEGEND:

KEY NOTES:

- NEW LED DOWNLIGHT MOUNTED AT BTM OF UPPER CABINET (SEE "E" SHEET FOR SPEC)
- 2 SECURITY CAMERA LOCATION AT FACE OF SOFFIT
- 3 LINE OF CASEWORK BELOW
- 4 LINE OF GYP. BD. OVERHANG (MAX 24" DEEP)
- 5 NEW OVERHEAD LED STRIP LIGHT (SEE "E" SHEET FOR SPEC)
- 6 NEW SNEEZE GUARD LED STRIP LIGHT (SEE "FSI.0" SHEET FOR SPEC)
- REPLACE OVERHEAD LIGHT FIXTURES (REFER TO E SHEETS FOR LOCATION AND LIGHT FIXTURE SPECIFICATION TYPICAL OF 3)

1. REFER TO ALL PLUMBING \$ ELECTRICAL DESIGN ENGINEERING FOR ADDITIONAL INFORMATION

FINAL PRODUCTS/COLOR MUST BE APPROVED BY UNIVERSITY

REPRESENTATIVE COUNTER TOP FINISHES:

2 CM QUARTZ COUNTER: CAMBRIA; COLOR: TORQUAY

2 CM QUARTZ TOP @ DRINK PICK-UP: AZ TILE CO. WAVE CHARCOAL

STAINLESS STEEL COUNTER TOP

FLOOR FINISH LEGEND:

B-A

DAL-TILE CERAMIC 5 ½" HIGH SLIM-FOOT

BASE; GRAY COLOR
*OPTION #2= 6" X 22 GA STAINLESS STEEL BASE WITH 3" COVE CAULKED TO TOP OF (E) DIAMOND FINISHED CONCRETE FLOOR

EXISTING DIAMOND POLISHED CONCRETE FLOOR

TO REMAIN: SEE ALO

WALL FINISH LEGEND:

SEMI-GLOSS ENAMEL PAINT: SW-7515 HOMESTEAD BROWN; PAINT EXPOSED GYP. BD. AREAS AND UNDERSIDE AND TOP SIDE OF NEW GYP. BD. SOFFIT

EGGSHELL FINISH LOW SHEEN ENAMEL PAINT: COLOR: T B D COLUMN & UPPER BACK WALL

(SEE NOTE 5 BELOW)

PLASTIC LAMINATE WALL PANEL: FORMICA #5342-SP SCULPTED FINISH BRN NEW 36"-48" WIDE 18 GA. 304 STAINLESS STEEL

PANELS FROM TOP OF BASE TO 7'-6" +/- A.F.F. TO BTM OF SOFFIT: ALTERNATE BID = FRP FROM TOP OF BASE TO UNERSIDE OF GYP BD SOFFIT

PORCELAIN PLANK TILE; AZ TILE CO. AEQUA CASTOR 8" X 32" SEE ELEVATIONS A5.0 \$ A5.1

WHITE PORCELAIN WALL: ARIZONA TILE CO. 3D BLADE 12X22 RUN VERTICALLY

KEY NOTES:

ELECTRCIAL CONDUIT

_ WATER SUPPLY

-PLANK PORCELAIN

SLIM-FOOT BASE OR OPTION #2 BASE - BEHIND ALL EQUIPMENT AT SERVICE LINE

-PLANK PORCELAIN

REFER TO ELEVATIONS FOR LOCATION OF SANITARY MALL FINISHED. SANITARY WALL FINISHES AT COL.

2 REFER TO ELEVATIONS & SECTIONS FOR STAINLESS STEEL COUNTER, SPLASH AND LEGS; COORDINATE UNDER COUNTER EQUIPMENT WITH CAFE DESIGN PRIOR TO FABRICATION

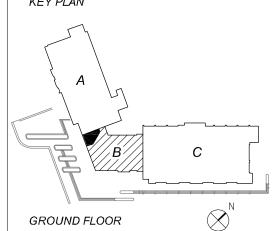
REFER TO ELEVATIONS FOR QUARTZ STONE TOPS \$ TRIMS; COORDINATE UNDER COUNTER EQUIPMENT WITH CAFE DESIGN PRIOR TO

VINYL SUPER-GRAPHIC AT INTERIOR OF GLASS STOREFRONT FROM SILL TO HEAD MULLION

REPAINT WALL ABOVE NEW FURRED PARTITION ALONG ENTIRE WIDTH \$ HEIGHT OF WALL; UP TO CEILING AND OVER TO MEZZANINE. COLOR TBD SEE P2 ABOVE

University of California Merced, California

INTERIOR ARCHITECTURE & DESIGN Maricopa, Arizona - San Francisco, California p: 925.216.1782 f:707.361.0953



ARCHITECT

ENGINEER

DSA A# 02-115975

DSA SUBMITTAL 06.16.17

UC FACILITIES REVIEW 06.06.17 FOR ENGINEERING 05.17.17 UPDATED FINAL 04.17.17 UPDATED PRELIM 04.12.17 PRELIMINARY 04.10.17

PROJECT

UC Merced LIBRARY LANTERN CAFE

5200 N. Lake Road Merced, California 95343

Cafe Remodel

PROJECT #: UCMERC_041017

SHEET TITLE

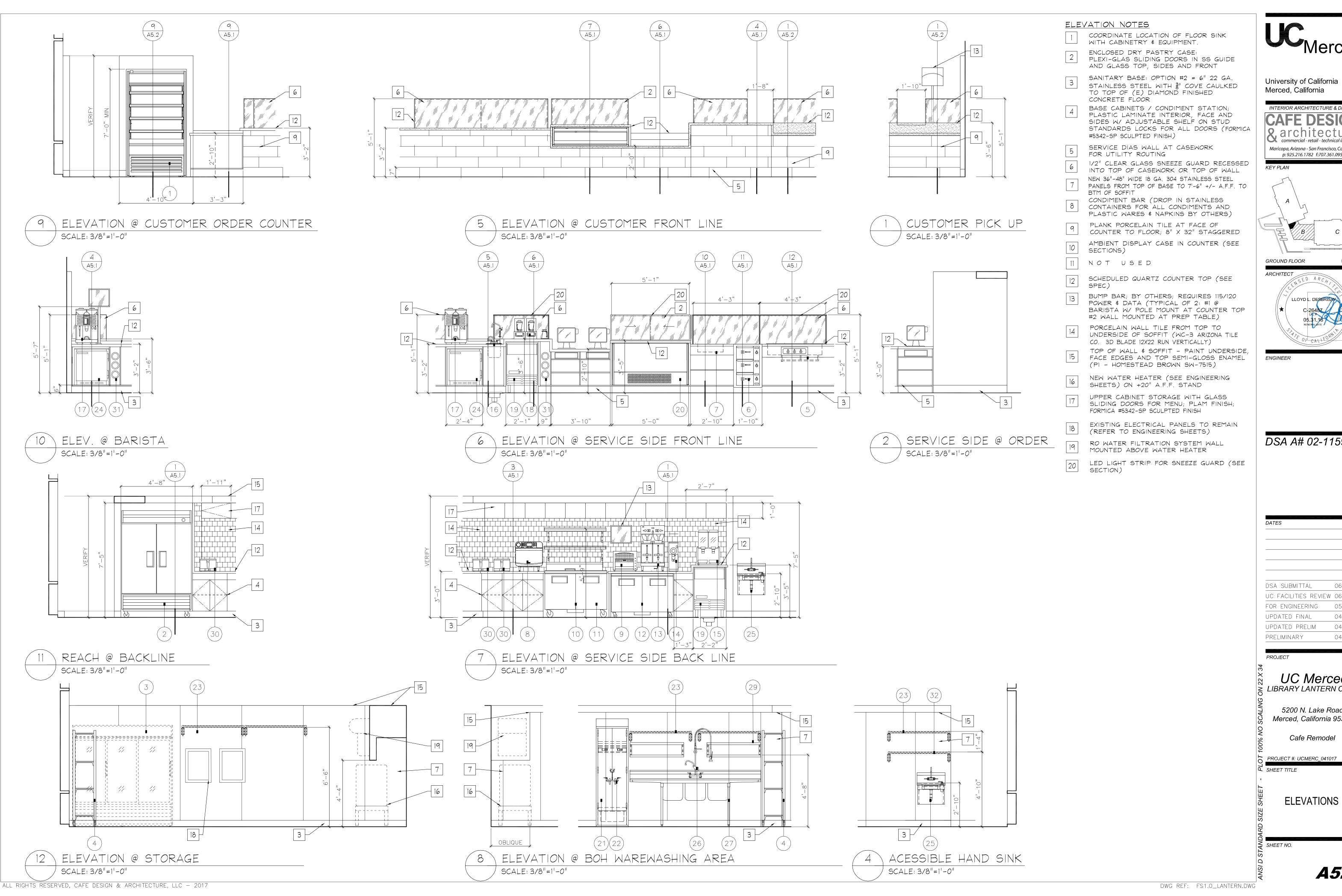
CEILING PLAN

MATERIAL FINISH

PLAN

SHEET NO.

A4.0



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GROUND FLOOR ARCHITECT

DSA A# 02-115975

DSA SUBMITTAL 06.16.17 UC FACILITIES REVIEW 06.06.17 FOR ENGINEERING UPDATED FINAL 04.17.17 UPDATED PRELIM 04.12.17 04.10.17

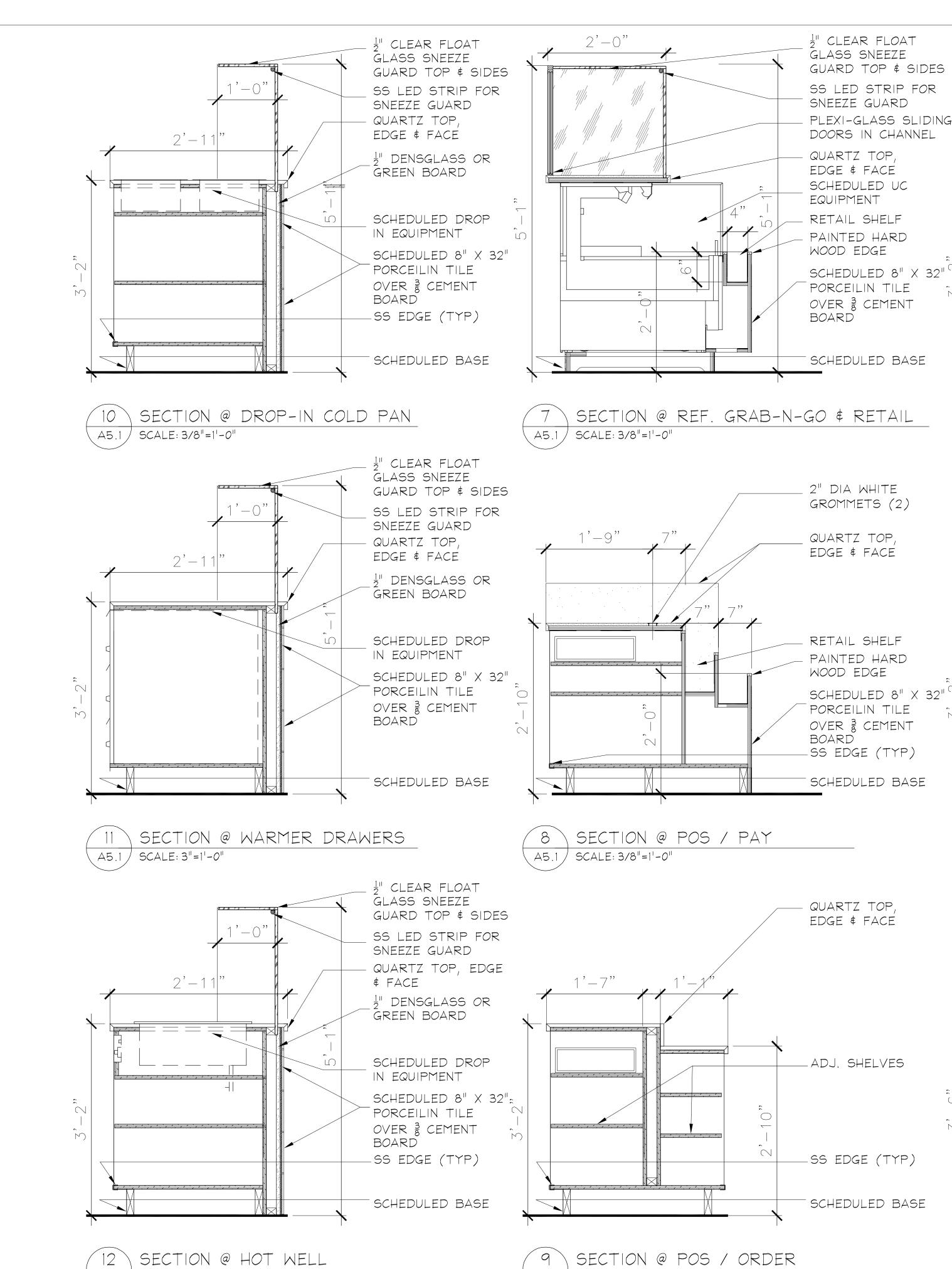
UC Merced LIBRARY LANTERN CAFE

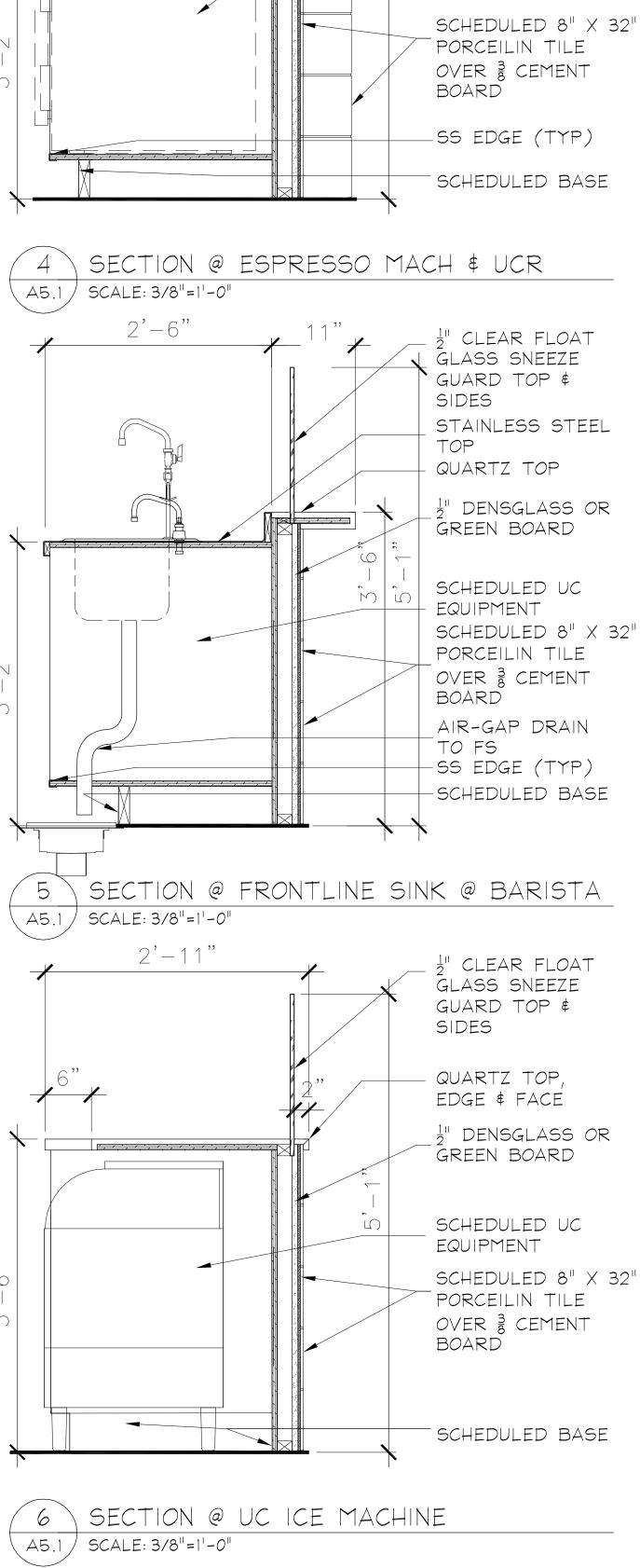
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PROJECT #: UCMERC_041017

A5.0





· _______

!" CLEAR FLOAT

STAINLESS STEEL

" DENSGLASS OR

GLASS SNEEZE

GUARD TOP \$

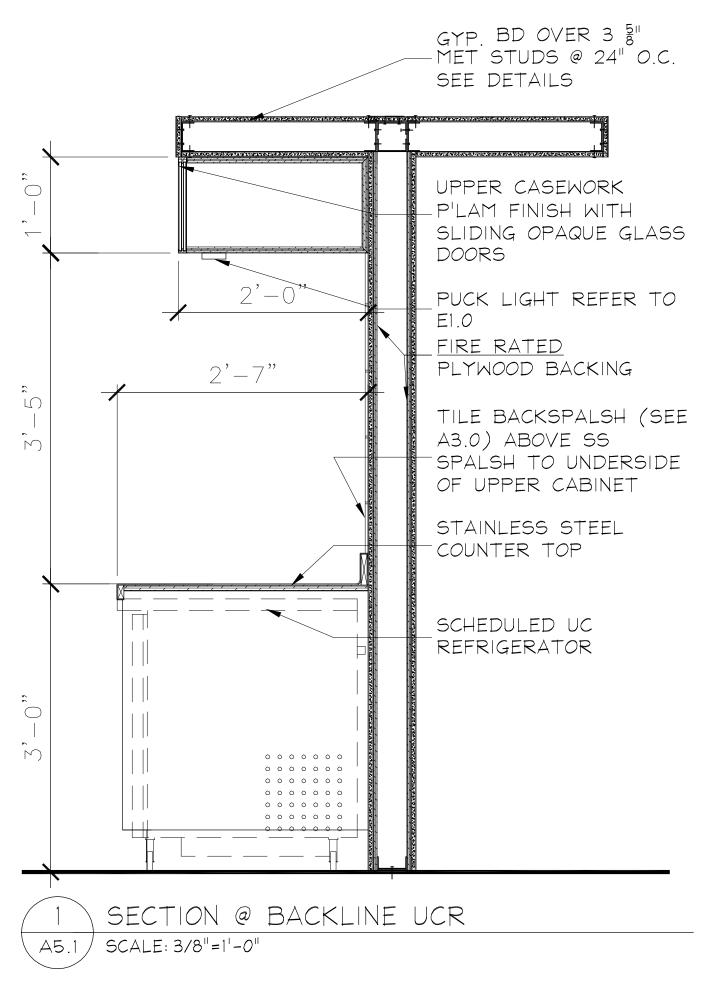
QUARTZ TOP

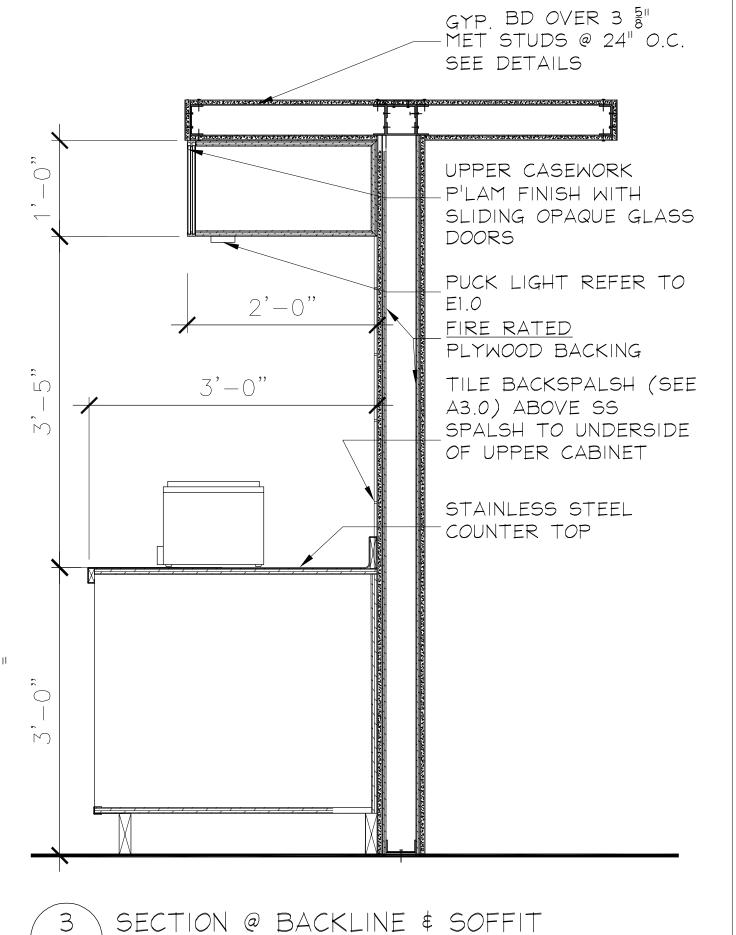
GREEN BOARD

SCHEDULED UC

EQUIPMENT

SIDES





/ SCALE: 3/8"=1'-0"

(A5.1)



University of California Merced, California

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p: 925.216.1782 f:707.361.0953 KEY PLAN

GROUND FLOOR ARCHITECT LLOYD L. DESBRISA

ENGINEER

DSA A# 02-115975

DSA SUBMITTAL 06.16.17 UC FACILITIES REVIEW 06.06.17 FOR ENGINEERING 05.17.17 UPDATED FINAL 04.17.17 UPDATED PRELIM 04.12.17 PRELIMINARY 04.10.17

PROJECT

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PROJECT #: UCMERC_041017 SHEET TITLE

> **CASEWORK** SECTIONS

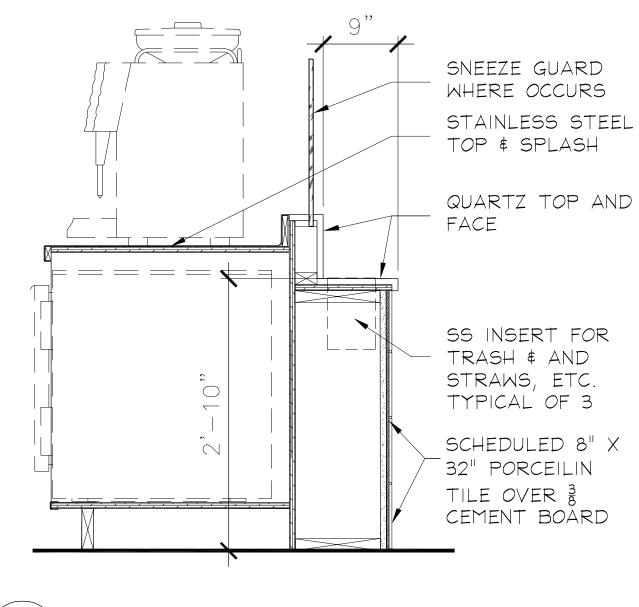
SHEET NO.

A5.1

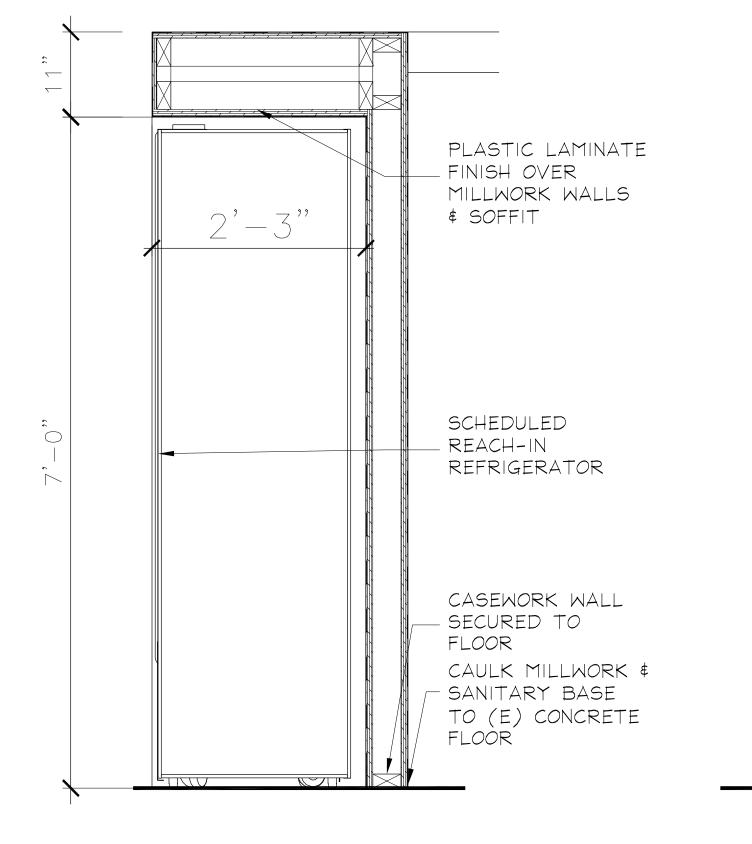
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SCALE: 3"=1'-0"

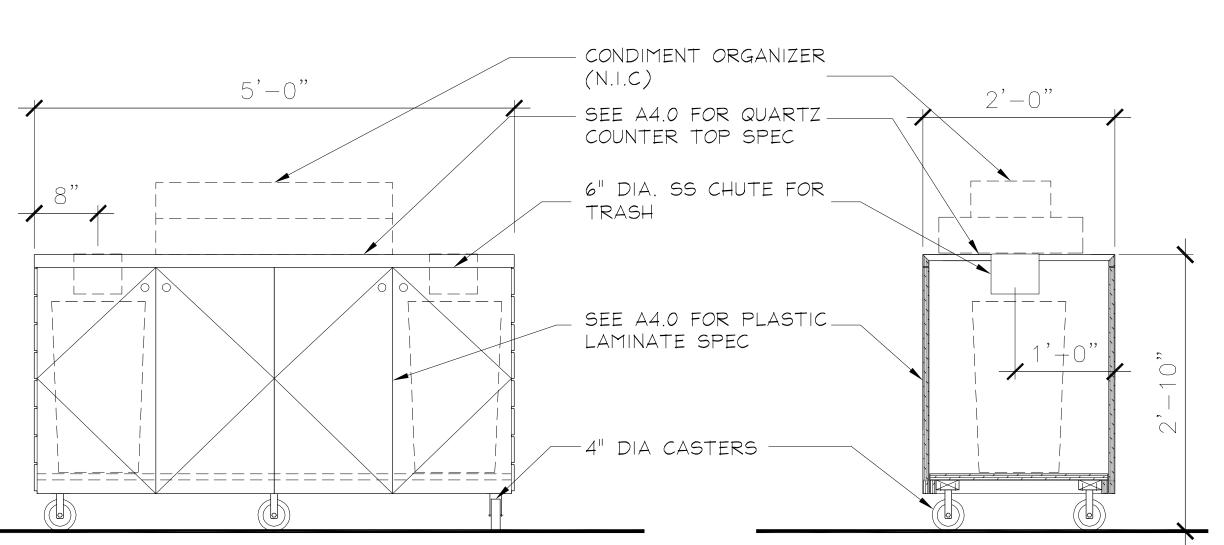
SCALE: 3/8"=1'-0"



SECTION @ BARISTA CONDIMENT BAR A5.2 | SCALE: 3/8"=1'-0"



A5.2 | SCALE: 3/8"=1'-0"

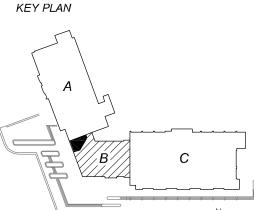


SECTION @ REACH-IN

CONDIMENT STATION A5.2 | SCALE: 3/8"=1'-0"

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GROUND FLOOR ARCHITECT

ENGINEER

DSA A# 02-115975

DSA SUBMITTAL 06.16.17 UC FACILITIES REVIEW 06.06.17 FOR ENGINEERING 05.17.17 UPDATED FINAL 04.17.17 UPDATED PRELIM 04.12.17 PRELIMINARY 04.10.17

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Cafe Remodel

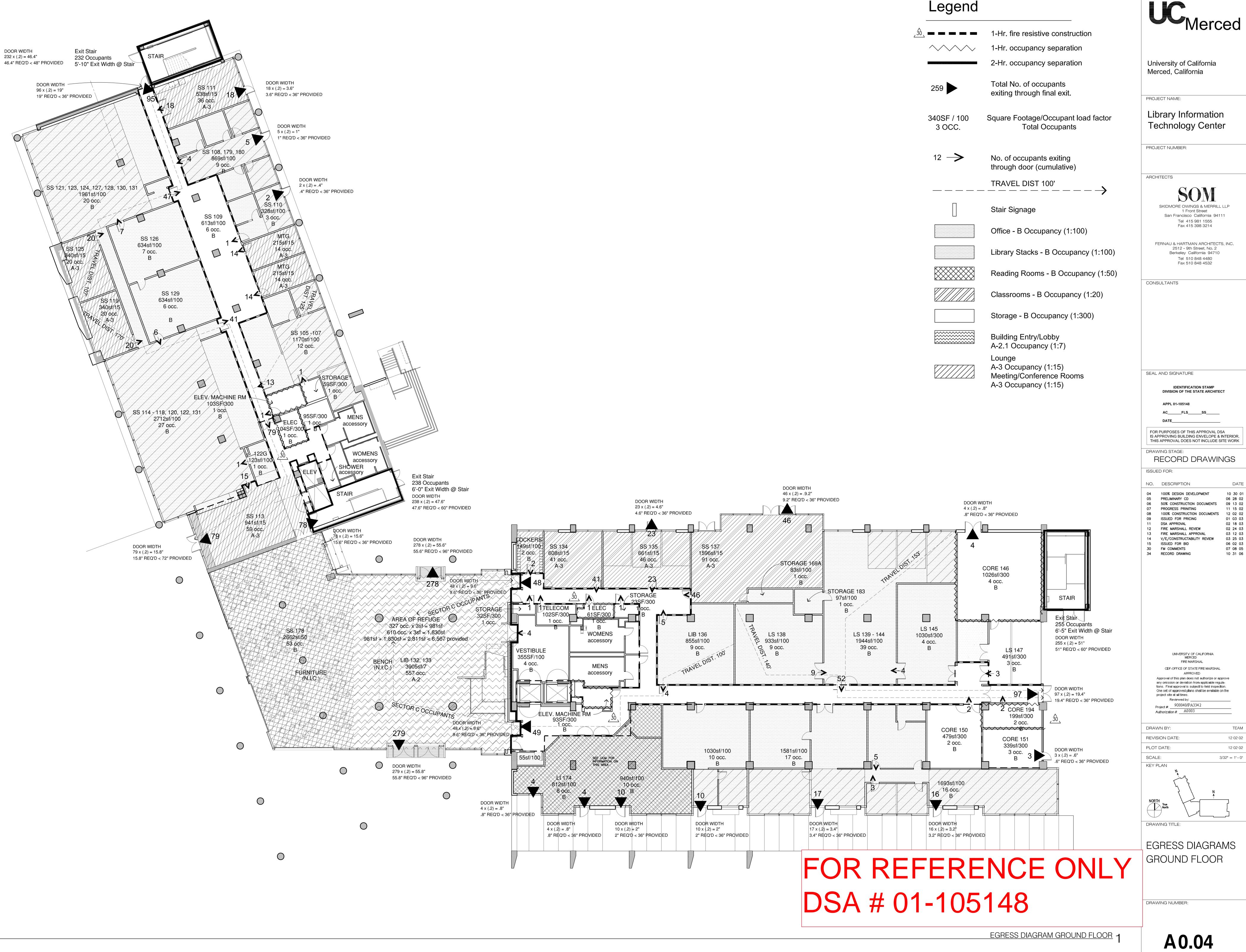
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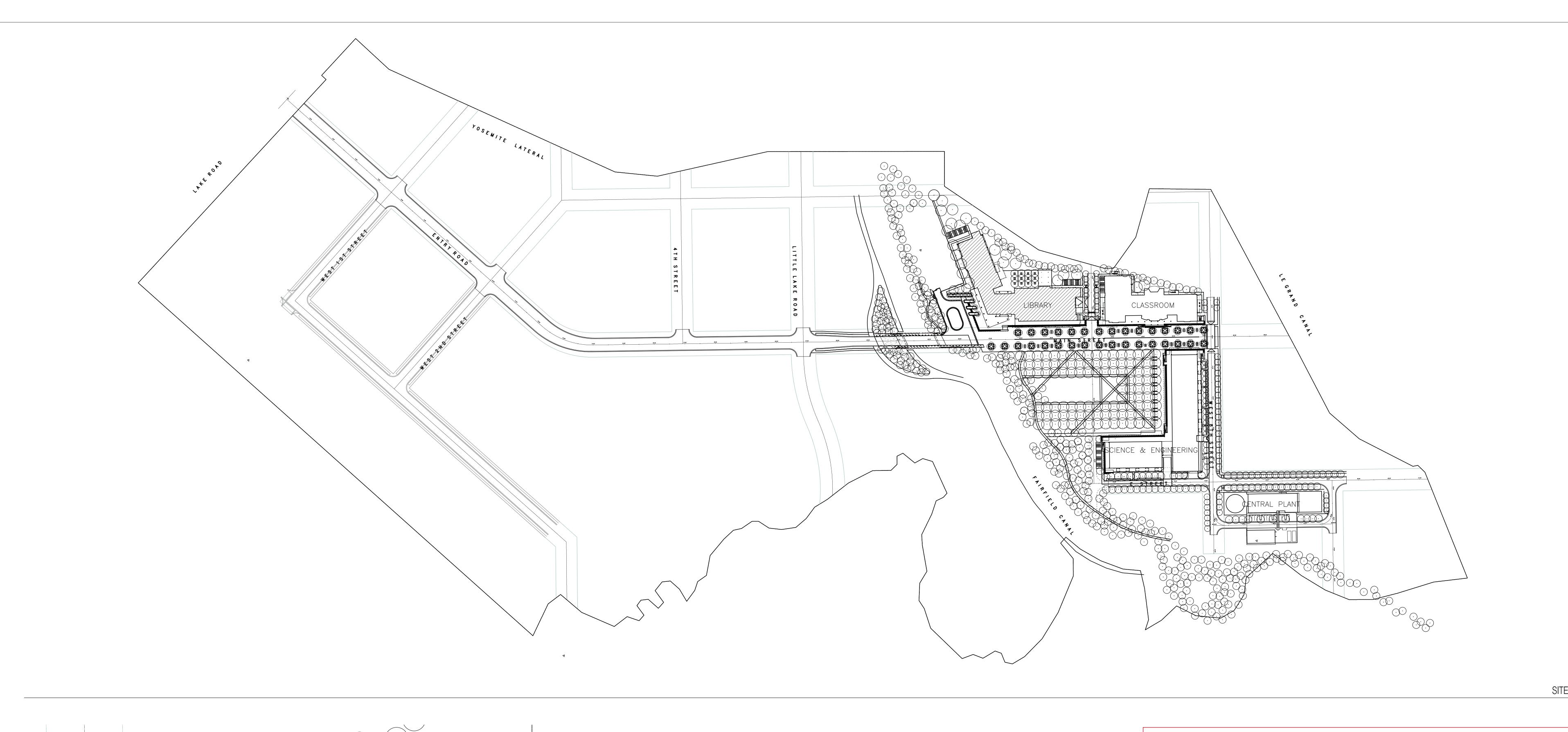
CASEWORK

SECTIONS

SHEET NO.

A5.2





PROJECT NAME:

Library Information **Technology Center**

PROJECT NUMBER:

ARCHITECTS

SKIDMORE OWINGS & MERRILL LLP 1 Front Street San Francisco California 94111 Tel 415 981 1555 Fax 415 398 3214

FERNAU & HARTMAN ARCHITECTS, INC. 2512 - 9th Street, No. 2 Berkeley California 94710 Tel 510 848 4480 Fax 510 848 4532

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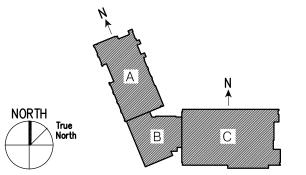
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RECORD DRAWINGS

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Authorization #: ___A0003

DRAWN BY: 01 30 03 REVISION DATE: PLOT DATE: 01 30 03 SCALE: N.T.S.



SITE PLAN

DRAWING TITLE:

DRAWING NUMBER:

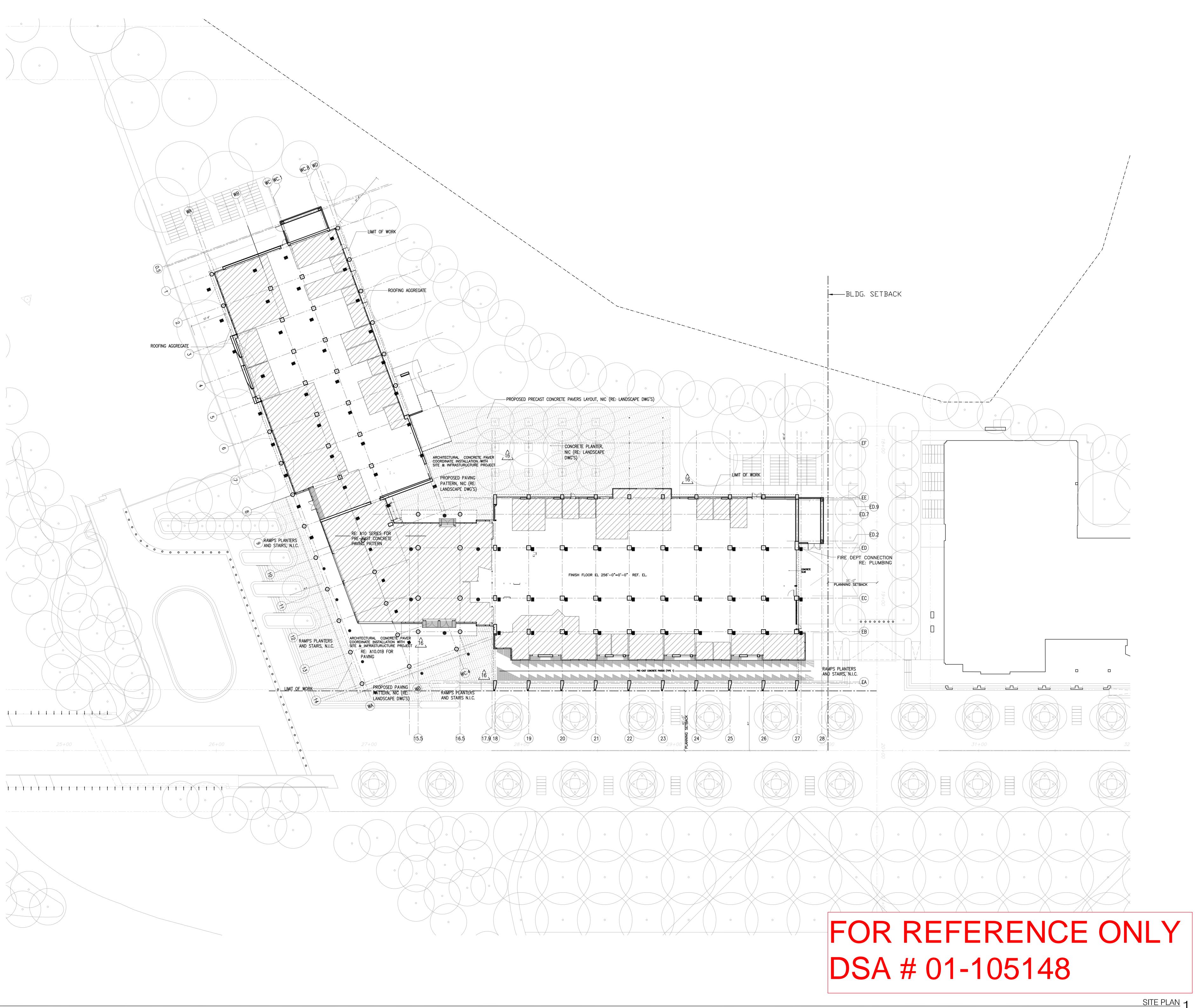
SITE PLAN 1

(Print/Plot date and Time on, Thu, Nov 09, 2006 at 11:02AM) File Name: A100.dwg

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University of California Merced, California

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Fax 415 398 3214

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DRAWING STAGE:

34 RECORD DRAWING

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 08 17 01

 02
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 09 28 01

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 10 19 01

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 02 24 03

 14
 V/E/CONSTRUCTABILITY REVIEW
 03 25 03

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 06 02 03

 16
 Addendum No.5
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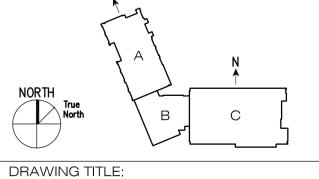
 DRAWN BY:
 TEAM

 REVISION DATE:
 12 02 02

 PLOT DATE:
 12 02 02

 SCALE:
 1"=20'-0"

 KEY PLAN

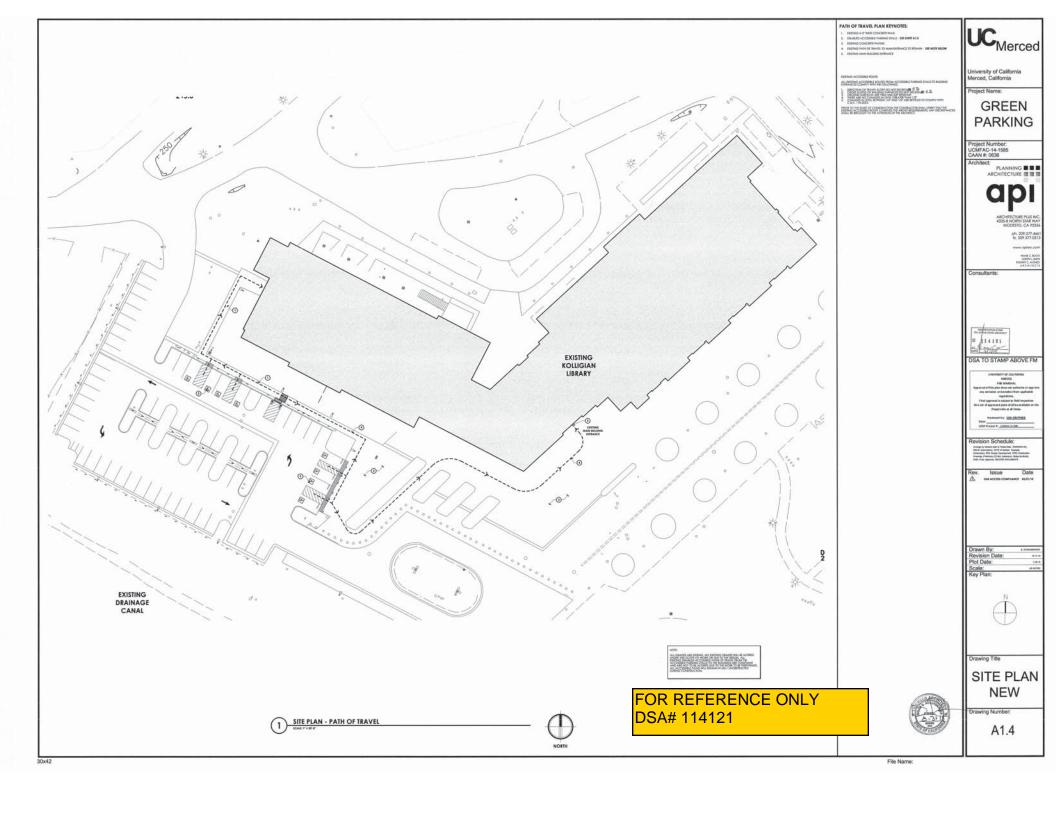


SITE PLAN

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GENERAL NOTES

1. ALL PARTITIONS SHALL BE TYPE 'B3' UNLESS OTHERWISE NOTED (U.O.N.)

2. CENTERLINE OF PARTITIONS ALIGNS WITH CENTERLINE OF WINDOW MULLION WHEN PERPENDICULAR

3. FUTURE WALLS (NIC) SHOWN WITH DASHED LINES —

4. FOR FLOOR PATTERN AND LAYOUT REFER TO A10 SERIES DRAWINGS

Me

University of California Merced, California

PROJECT NAME:

Library Information
Technology Center

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SKIDMORE OWINGS & MERRILL LLP
1 Front Street
San Francisco California 94111
Tel 415 981 1555

Fax 415 398 3214

FERNAU & HARTMAN ARCHITECTS, INC. 2512 - 9th Street, No. 2 Berkeley California 94710 Tel 510 848 4480 Fax 510 848 4532

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14 V/E/CONSTRUCTABILITY REVIEW

15 ISSUED FOR BID 34 RECORD DRAWING

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 04
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 01

 11
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 02

 13
 FIRE MARSHALL APPROVAL
 03

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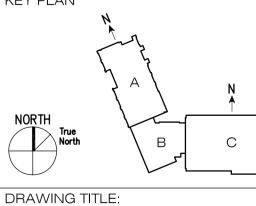
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 REVISION DATE:
 12 02 02

 PLOT DATE:
 12 02 02

 SCALE:
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GROUND FLOOR PLAN

DRAWING NUMBER:

A2.01



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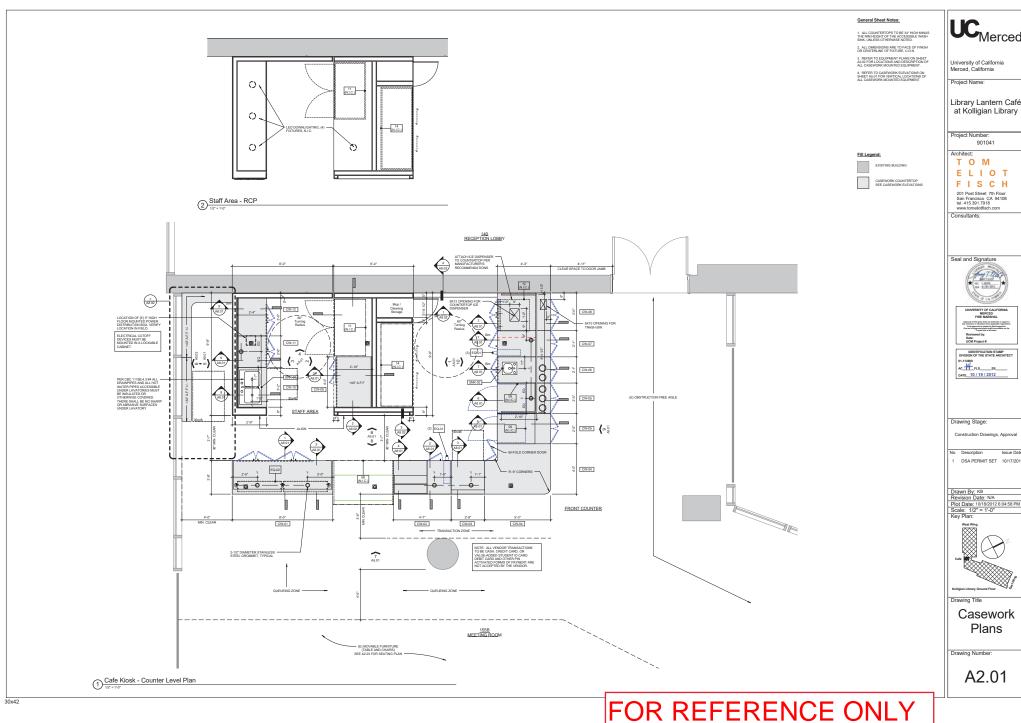
FOR REFERENCE ONLY DSA # 01-105148°

GROUND FLOOR PLAN -

(Print/Plot date and Time on, Wed, Mar 07, 2007 at 04:33PM) File Name: a201.dwg

OR PLAN 1

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DSA #01-112888

Library Lantern Café

1 DSA PERMIT SET 10/17/201





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DRAWING STAGE:

RECORD DRAWINGS

ISSUED FOR:

NO. DESCRIPTION 02 PROGRESS PRINT 03 90% DESIGN DEVELOPMENT 04 100% DESIGN DEVELOPMENT 05 PRELIMINARY CD 06 50% CONSTRUCTION DOCUMENTS 09 13 02 07 PROGRESS PRINTING 10 DSA RESUBMITTAL 11 DSA APPROVAL 12 FIRE MARSHALL REVIEW 13 FIRE MARSHALL APPROVAL 14 V/E/CONSTRUCTABILITY REVIEW 03 25 03 15 ISSUED FOR BID 19 BID RELEASE 2 05 10 04 34 RECORD DRAWING

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Reviewed by:

Project #: 900040/PA3342

Authorization #: A0003

DRAWN BY:

REVISION DATE: 12 02 02

PLOT DATE: 12 02 02

SCALE: 1/8" = 1'-0"

KEY PLAN

NORTH
True
North
True
North

GROUND FLOOR PLAN WEST WING

DRAWING NUMBER:

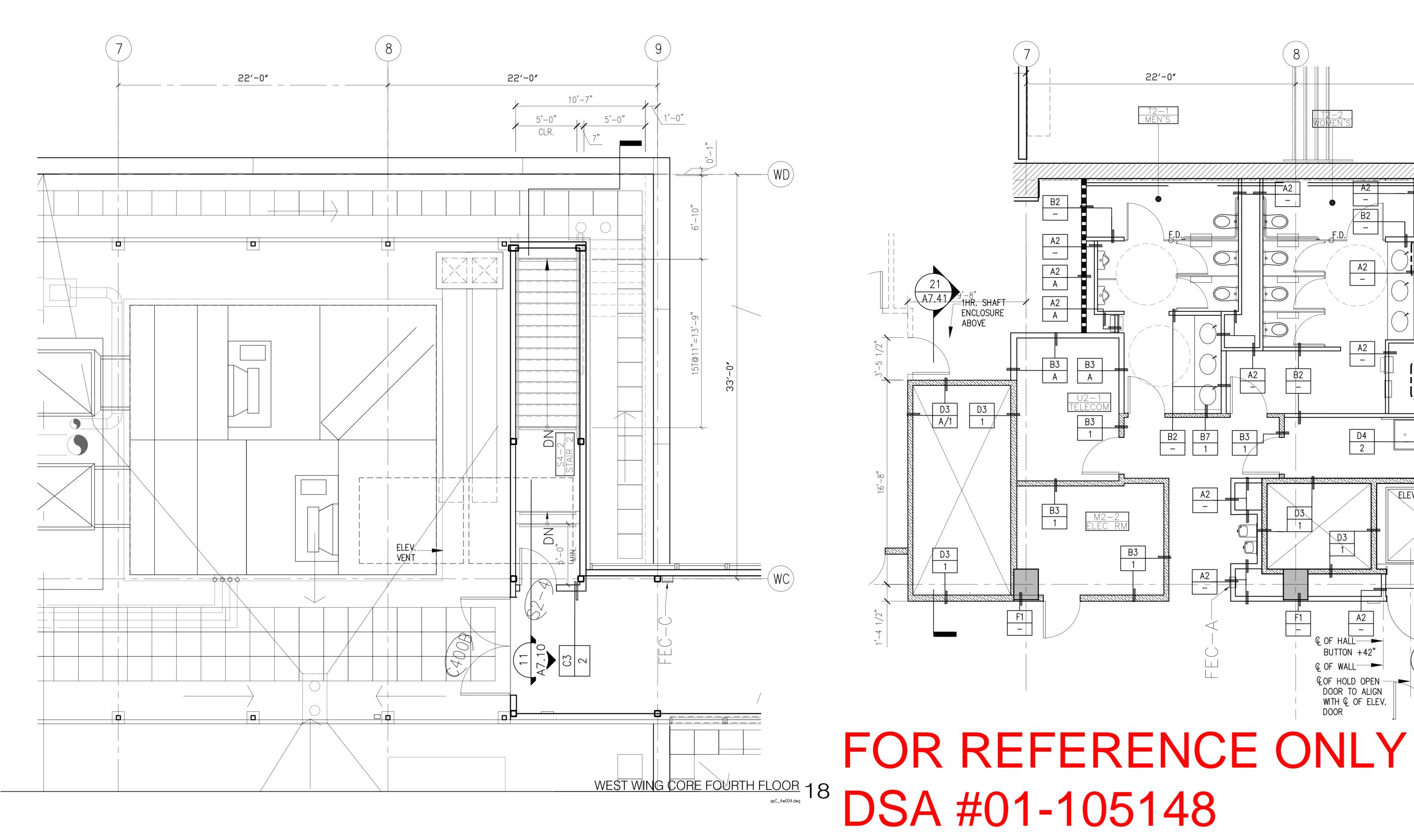
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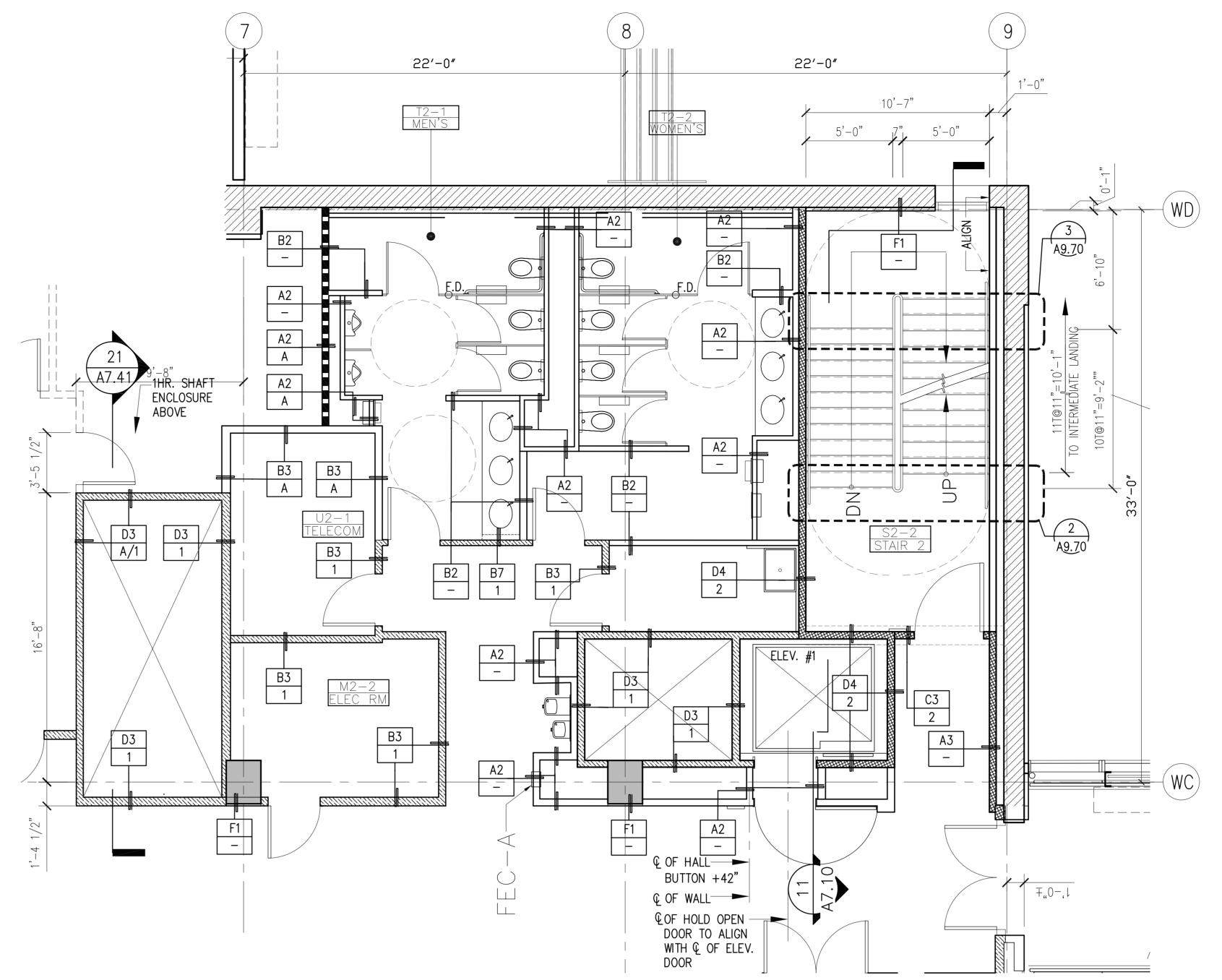
WAR 18'04 8022001 228

A2.01A

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22'-0" 22'-0" R. RATED AFT CLOSURE / -0" A.F.F. SLAB OEPNING ABOVE FOR MECHANICLE SHAFT_ € OF HALL BUTTON +42 **ELEVATOR** SHAFT OPENING PAINTED STEEL PIT LADDER RE: DET. 9/A7.42

WEST WING CORE THIRD FLOOR 16

GENERAL NOTES 1. RE: DRAWING 1/A3.10 FOR TYPICAL DIMENSIONS

2. RE: DRAWING 3/A3.10 FOR TYPICAL PARTITION TYPES

3. RE: DRAWING 16/A3.10 FOR TYPICAL TOILET ACCESSORIES 4. RE: DRAWING 5/A9.01 FOR TOILET ACCESSORY HEIGHTS

5. RE: DRAWING 1/A9.01 FOR LAVORATORY SECTION

6. RE: DRAWING 1/A9.01 FOR RESTROOM SIGNAGE 7. SSD FOR FLOOR DRAIN LOCATIONS

8. RE: TO A9.70 FOR TYPICAL STAIR DETAILS SSD FOR SLAB OPENINGS AND BLOCKOUTS 9. RE: DRAWING A7.42 FOR ELEVATOR DETAILS 10. FUTURE WALLS (NIC) SHOWN WITH DASHED LINES -

University of California Merced, California

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NO. DESCRIPTION

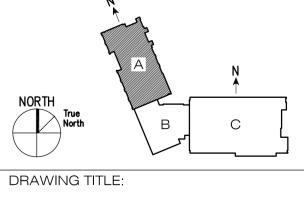
34 RECORD DRAWING

90% DESIGN DEVELOPMENT 31 BULLETIN 29

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DRAWN BY: REVISION DATE: PLOT DATE: 12 02 02 1/4" = 1'-0"KEY PLAN

Authorization #: A0003



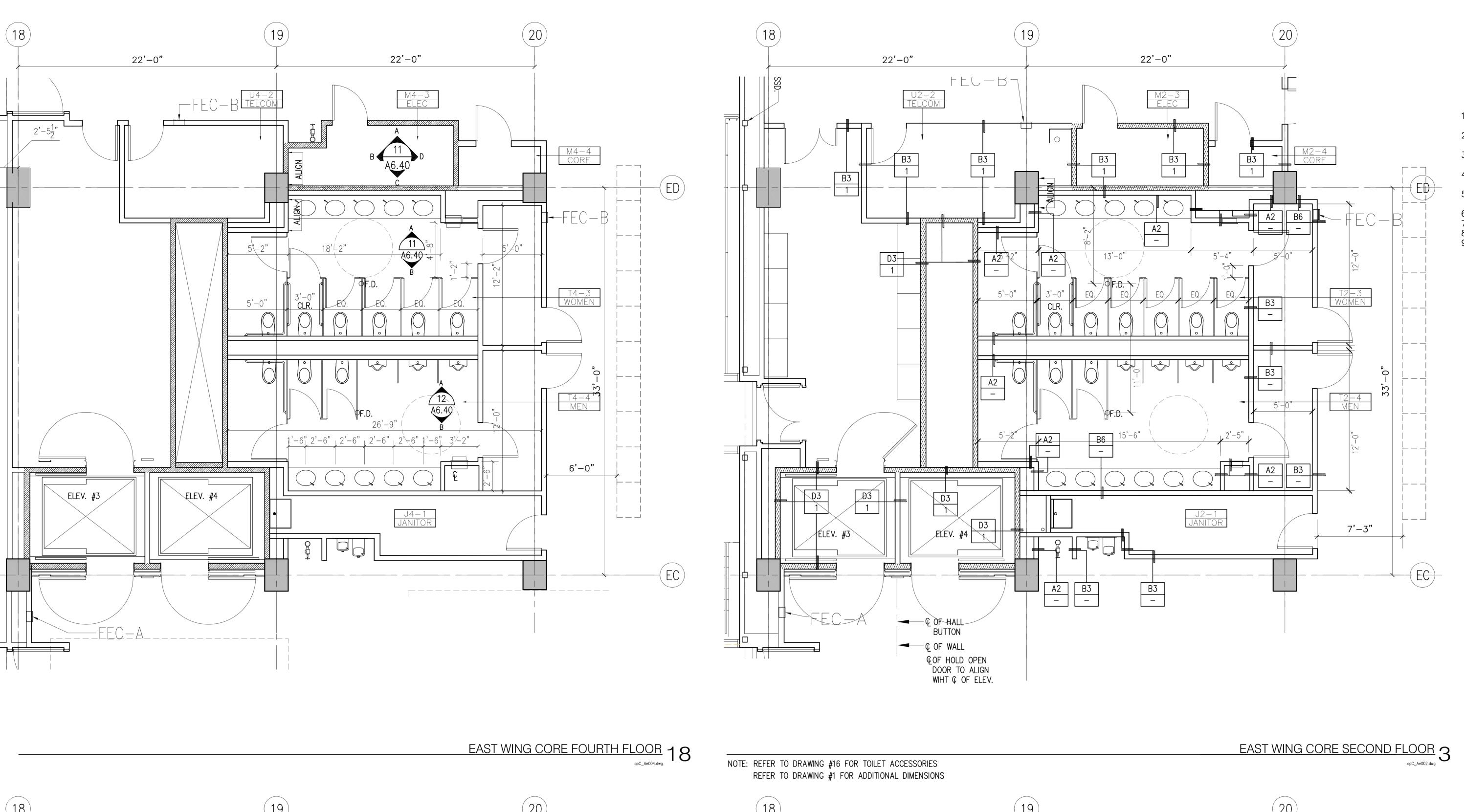
ENLARGED CORE PLANS **WEST WING**

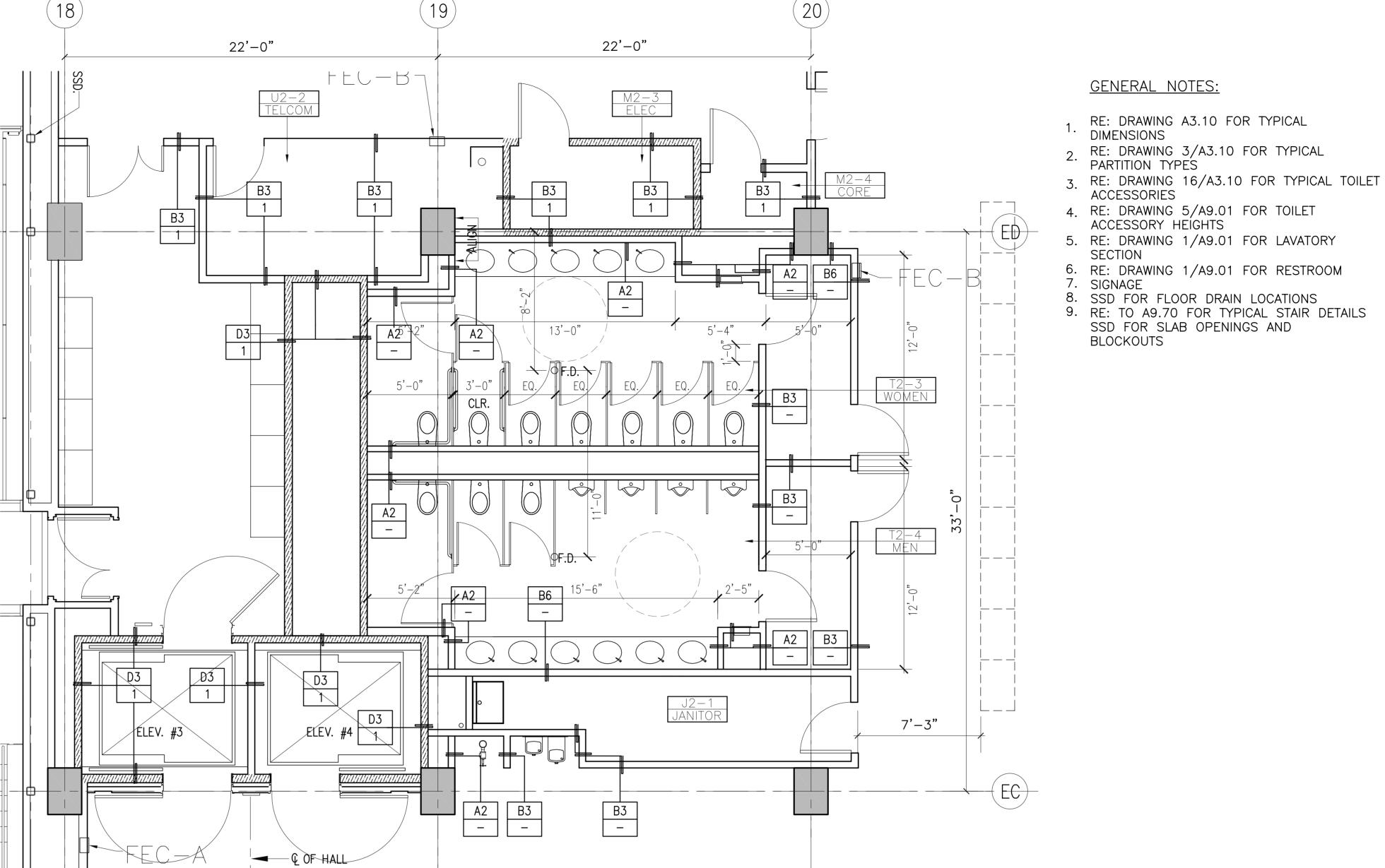
DRAWING NUMBER: REC'D JOB NO. REF. NO. WAR18'04 3022001 228

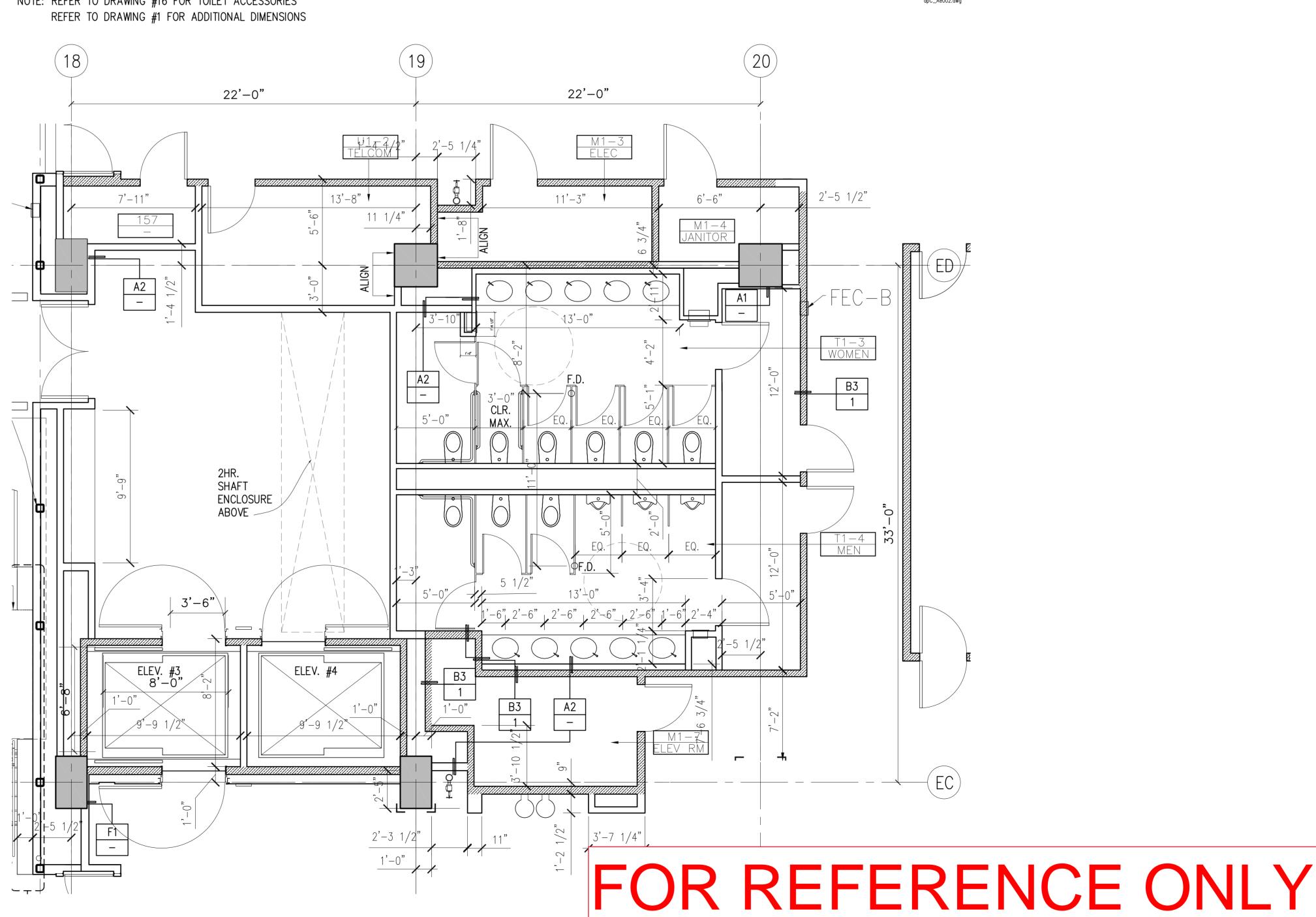
WEST WING CORE GROUND FLOOR 4

WEST WING CORE SECOND FLOOR 3

22'-0"







PROJECT NAME:

GENERAL NOTES:

SECTION

BLOCKOUTS

RE: DRAWING A3.10 FOR TYPICAL DIMENSIONS

RE: DRAWING 3/A3.10 FOR TYPICAL PARTITION TYPES

6. RE: DRAWING 1/A9.01 FOR RESTROOM

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Tel 415 981 1555 Fax 415 398 3214

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08 100% CONSTRUCTION DOCUMENTS 12 02 02 12 FIRE MARSHALL REVIEW 14 V/E/CONSTRUCTABILITY REVIEW

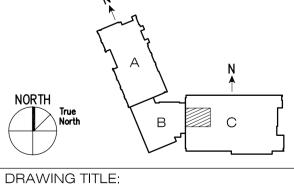
06 02 03

10 31 06

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Authorization #: ____A0003 DRAWN BY:

REVISION DATE: PLOT DATE: 1/4" = 1'-0"



ENLARGED CORE PLANS EAST WING

DRAWING NUMBER:

A3.30

EAST WING CORE THIRD FLOOR 16

NOTE: REFER TO DRAWING #3 FOR PARTITION TYPES REFER TO DRAWING #16 FOR TOILET ACCESSORIES EAST WING CORE GROUND FLOOR

NOTE: REFER TO DRAWING #3 FOR PARTITION TYPES

AND DIMENSIONS

22'-0"

13'-4 3/4"

22'-0"

Note: For dimensions and mounting heights not shown see sheet 5/A9.01

GENERAL NOTES:

- 1. RE: DRAWING 5/A9.01 FOR TOILET ACCESSORY HEIGHTS.
 RE: SPECIFICATION SECTION 10800 FOR TOILET
- ACCESSORY

 3. RE: DRAWING 1/A9.01 FOR LAVATORY SECTION

MOUNTED TOILET
PARTIITIONS, TYP.

PAINTED GWB-

CT-2 BASE, TYP.



University of California Merced, California

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19 BID RELEASE 2

07 PROGRESS PRINTING 08 100% CONSTRUCTION DOCUMENTS 12 02 02 09 ISSUED FOR PRICING 10 DSA RESUBMITTAL 01 31 03 02 24 03 12 FIRE MARSHALL REVIEW 14 V/E/CONSTRUCTABILITY REVIEW 03 25 03

DATE

06 02 03

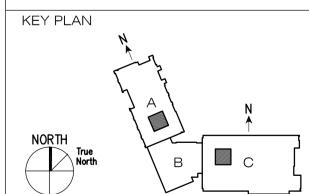
05 10 04

10 31 06

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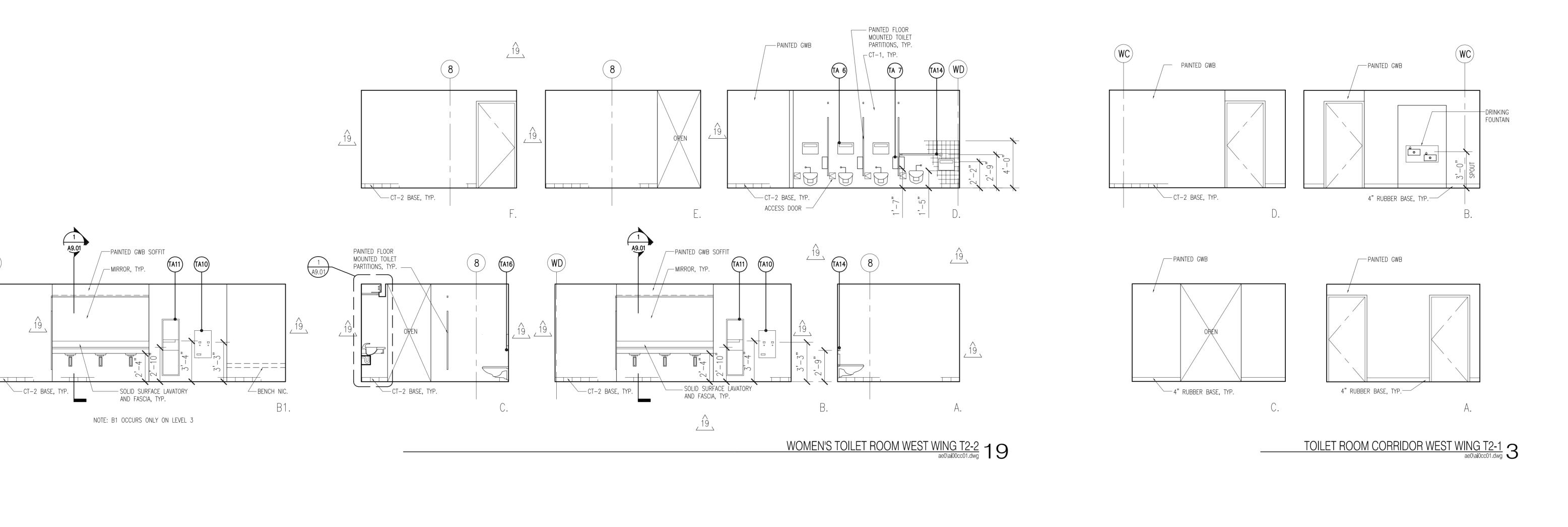
DRAWN BY: REVISION DATE: 12 02 02 PLOT DATE: SCALE: 1/4" = 1'-0"

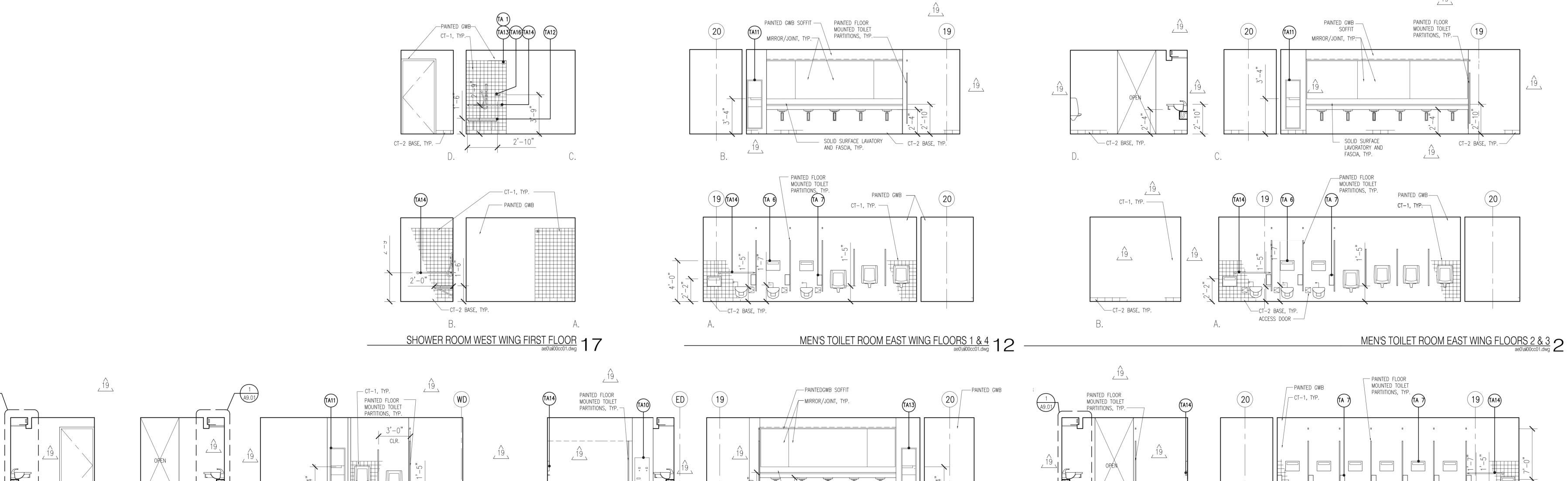


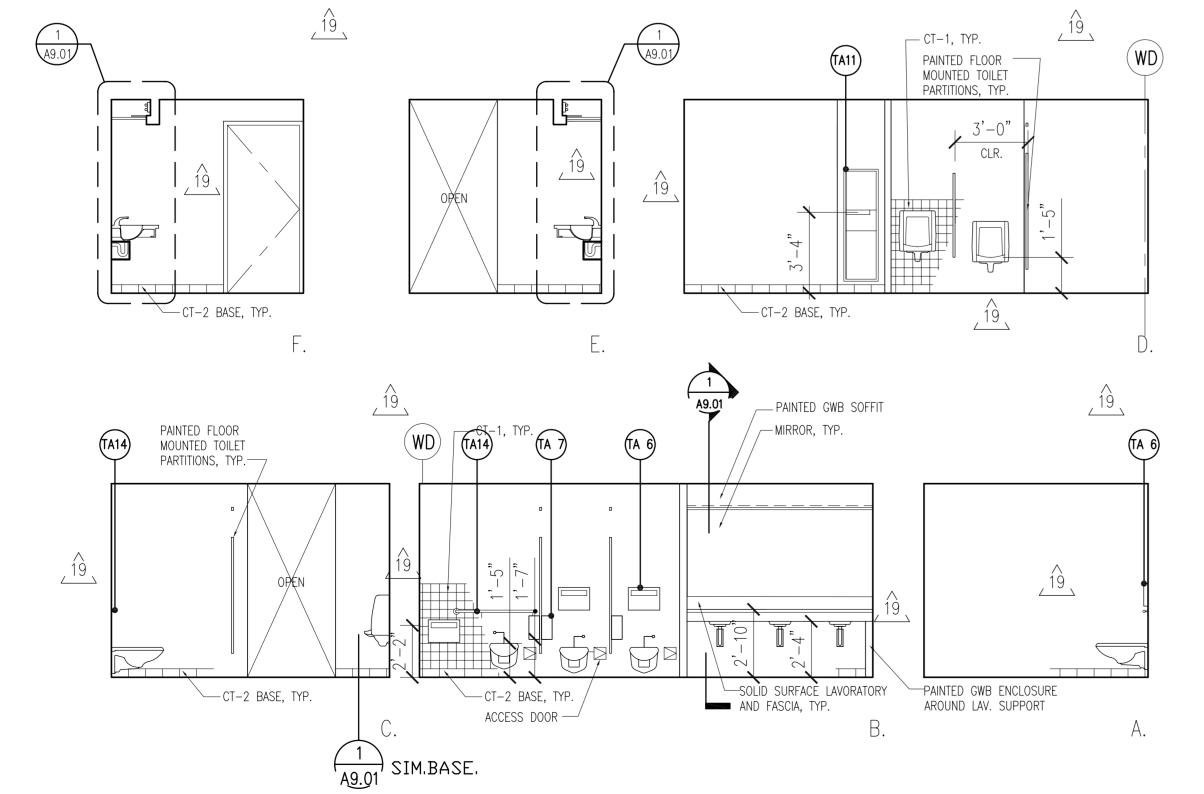
DRAWING TITLE: INTERIOR TOILET ROOM

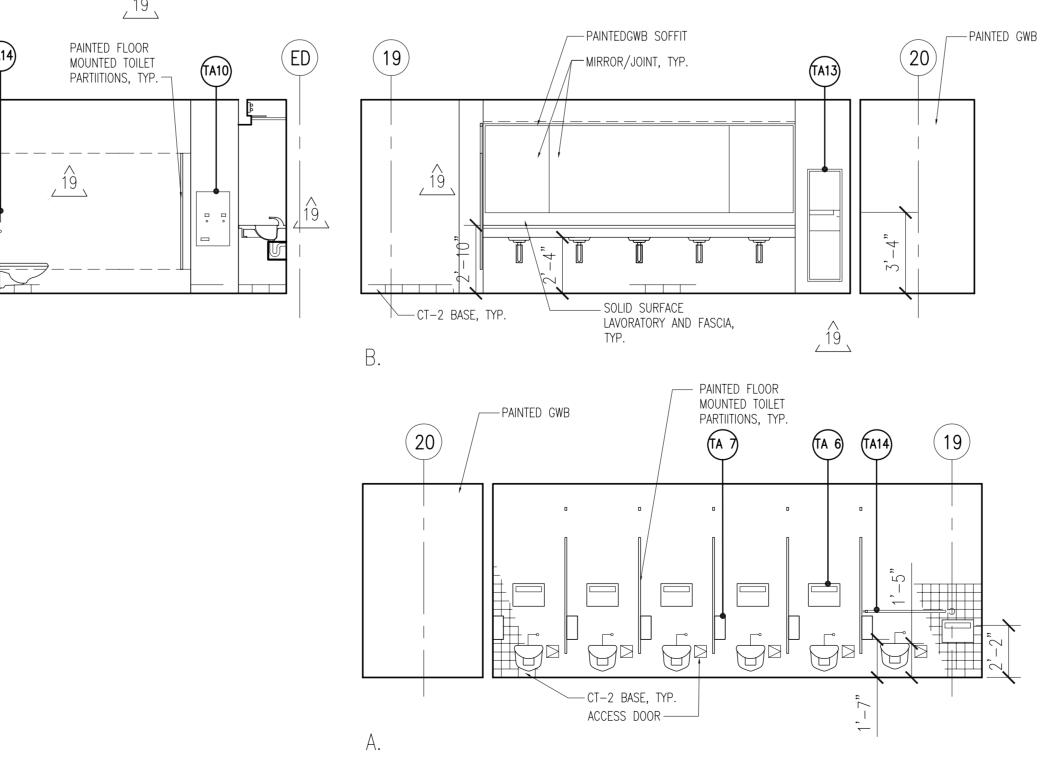
ELEVATIONS AREAS A&C DRAWING NUMBER: REC'D JOB NO. REF. NO.

WR18'04 3022001 228 SWINERTON BUILDERS A6.40

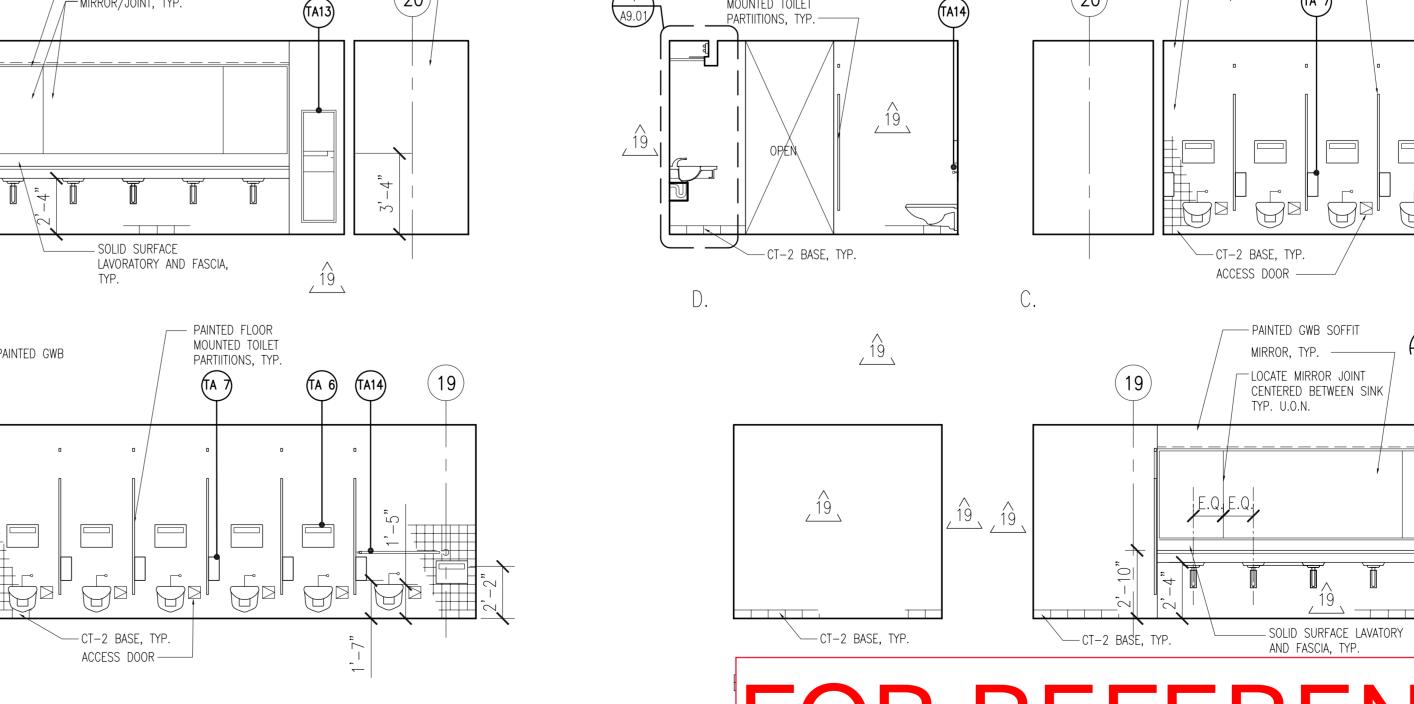








WOMEN'S TOILET ROOM EAST WING FLOORS 1 & 4 ae0\ai00cc01.dwg



TA13) (TA10)

MEN'S TOILET ROOM WEST WING T2-1 ae0\ai00cc01.dwg

	PLUMBING FIXTURE SCHEDULE
MARK	DESCRIPTION
<u>FS-I</u>	FLOOR SINK: CAST IRON BODY, ACID RESISTANT INTERIOR, NO-HUB 2" OUTLET, ABS ANTI-SPLASH DOME STRAINER, HALF GRATE, ZURN #FD2376-NH2-H.
<u>FS-2</u>	FLOOR SINK: CAST IRON BODY, ACID RESISTANT INTERIOR, NO-HUB 3" OUTLET, ABS ANTI-SPLASH DOME STRAINER, HALF GRATE, ZURN #FD2376-NH3-H.
FD-I	FLOOR DRAIN: CAST IRON BODY, NICKEL BRONZE 5" ROUND TOP, NO-HUB 2" OUTLET, VANDAL PROOF SCREWS, 1/2 TRAP PRIMER CONNECTION, JR SMITH#2005YNB. PROVIDE WITH HEEL PROOF GRATE.
<u>FCO</u>	FLOOR CLEANOUT: ABS BODY WITH NICKEL BRONZE FRAME AND COVER, ZURN #CO2449. SIZE PER PLANS.
<u>WH-I</u>	WATER HEATER: #AO SMITH DURA-POWER DEL-40 WITH (2) 4kW NON-SIMULTANEOUS ELEMENTS, 480V/IPH.
<u>WF-1</u>	WATER FILTER: HIGH EFFICIENCY REVERSE OSMOSIS SYSTEM, #EVERPURE MRS-600HE.
<u>TP-1</u>	TRAP PRIMER: DIFFERENTIAL PRESSURE AUTOMATIC TYPE, CORROSION RESISTANT BRASS, INSTALL STRICTLY PER MANUFACTURER'S RECOMMENDATIONS, PROVIDE ACCESS DOOR, PPP MODEL #PR-500
<u>MM-1</u>	WATER METER: LEAD FREE, UP TO 80 GPM, 4.8 PSI PRESSURE LOSS AT 80 GPM, ENGINEERED POLYMER, SIZE = I", BADGER "RECORDAL" #MI20. PROVIDE WITH HRE-LCD ENCODER AND ORION CELLULAR ENDPOINT.
* INDI	CATES ADA/HCP COMPLIANT FIXTURE.

	KITCHEN EQUIPMENT SCHEDULE
MARK	DESCRIPTION
<u>P05</u>	HOT WELL. PROVIDED BY OTHERS
<u>P07</u>	COLD PAN. PROVIDED BY OTHERS
<u>P14</u>	COFFE BREWER. PROVIDED BY OTHERS
<u> P16A</u>	GLASS FILLER. PROVIDED BY OTHERS
<u>P16</u>	FAUCET. PROVIDED BY OTHERS
<u>P17</u>	EXPRESSO MACHINE. PROVIDED BY OTHERS
<u> P19</u>	ICE MAKER. PROVIDED BY OTHERS
<u>P22</u>	FAUCET. PROVIDED BY OTHERS
<u>P25</u>	FAUCET. PROVIDED BY OTHERS
<u>P26</u>	PRE-RINSE FAUCET. PROVIDED BY OTHERS
* INDI	CATES ADA/HCP COMPLIANT FIXTURE.

DOMESTIC WATER SIZING CALCULATION WATER SIZING WORKSHEET PER 2016 CPC TABLE 610.3 AND 2016 CPC, APPENDIX A

COLD WATER (FLUSH TANK) (MAX. 5FT/SEC)

 SIZE
 DP/100'
 GPM
 F.U.
 VEL(FPS)

 1/2"
 10.0
 3.5
 3
 4.9
 3/4" 10.0 9.5 12 6.2

1" 10.0 19.5 28 7.9

				TABLE A-2 FIXTURE TYPE	MINIMUM BRANCH SIZE			
<u>SOURCE DATA</u>						QΥ	FU	TOTAL
MIN. PRESSURE AVAILABLE:	50.0	PSI		BATHTUB/BATH-SHOWER COMB. (FILL)	1/2"	0	4.0	0.0
				BIDET	1/2"	0	1.0	0.0
<u>DEMAND DATA</u>				CLOTHES WASHER	1/2"	0	4.0	0.0
TOTAL FIXTURE UNITS:	10.0	F.U.		DENTAL UNIT, CUSPIDOR	1/2"	0		0.0
FIXTURE UNIT DEMAND:	8.0	GPM	CHART A-2/3	DISHWASHER	3/4"	0	1.5	0.0
CONTINUOUS DEMAND:	0.0	GPM		DRINKING FOUNTAIN OR WATERCOOLER	1/2"	0	0.5	0.0
TOTAL DEMAND:	8.0	GPM		HOSE BIBB	1/2"	0	2.5	0.0
				HOSE BIBB (EACH ADDITIONAL)	1/2"	0	1.0	0.0
<u>SOURCE TO PUMP</u>				LAVATORY	1/2"	0	1.0	0.0
DISTANCE:	0	FT		LAWN SPRINKLER, EACH HEAD		0	1.0	0.0
ELEVATION CHANGE:	0	FT		SINK, BAR TYPE	1/2"	5	2.0	10.0
FRICTION LOSS:	0.0	PSI		SINK, CLINIC FAUCET	1/2"	0	1.5	0.0
TOTAL LOSS:	0.0	PSI		SINK, CLINIC FLUSHOMETER VALVE	1/2"	0	1.5	0.0
				SINK, LAUNDRY	1/2"	0	1.5	0.0
				SINK, KITCHEN DOMESTIC	1/2"	0	1.5	0.0
BOOSTER PUMP:	0	PSI		SINK, SERVICE OR MOP BASIN	1/2"	0	3.0	0.0
BUILDING SYSTEM				SINK, WASHUP (EACH SET OF FAUCETS)	1/2"	0		0.0
TOTAL DEVELOPED LENGTH TO				SHOWER	1/2"	0	2.0	0.0
				EYE WASH	1/2"	0	3.0	0.0
MOST REMOTE FIXTURE:	50	FT		URINAL, 1.0 GPF	1_	0	4.0	0.0
ELEVATION TO HIGHEST FIXTURE:	4	FT		URINAL, >1.0 GPF	3/4"	0	4.0	0.0
METER (METER SIZE = 2"): [5	PSI	TABLE A-I	URINAL, FLUSH TANK	1/2"	0	2.0	0.0
BACKFLOW PREVENTER:	10	PSI		WASHFOUNTAIN, CIRCULAR SPRAY	3/4"	0		0.0
SOFTENER:	0	PSI		WATER CLOSET, 1.6 GPF GRAVITY TANK	1/2"	0	2.5	0.0
FILTER:	0	PSI		WATER CLOSET, 1.6 GPF FLUSHOMETER TANK	3/4"	0	2.5	0.0
MISC:	0	PSI		WATER CLOSET, 1.6 GPF FLUSHOMETER VALVE	1-1/4"	0	5.0	0.0
TOTAL BUILDING SYSTEM LOSS:	16.7	PSI		WATER CLOSET > 1.6 GPF GRAVITY TANK	3/4"	0	5.5	0.0
				WATER CLOSET > 1.6 GPF FLUSHOMETER VALVE	1"	0	7.0	0.0
FLUSH VALVE SYSTEM (25 PSI RESID.):	50.5	PSI/I	001			To	OTAL:	10.0
BUILDING SUPPLY PIPE SIZE:	3/4"	INCHE	S					

DOMESTIC HOT WATER (MAX. 5FT/SEC)

 SIZE
 DP/100'
 GPM
 F.U.
 VEL(FPS)

 1/2"
 10.0
 3.5
 3
 4.9

 3/4"
 6.5
 7.5
 8
 5.0

ı" 4.7 l3.5 l8 5.0

PLUMBING GENERAL NOTES

- I. SCOPE: A COMPLETE DOMESTIC PLUMBING SYSTEM AS GENERALLY DELINEATED ON THE PLUMBING DRAWINGS, INCLUDING SERVICE PIPING AND FINAL CONNECTIONS TO EQUIPMENT FURNISHED AND INSTALLED BY OTHER TRADES AS MAY BE SHOWN ON THE ARCHITECTURAL, ELECTRICAL OR OTHER DRAWINGS OF THE CONTRACT DOCUMENTS.
- 2. CALIFORNIA CODE OF REGULATIONS: ALL HOT WATER DISTRIBUTION AND CIRCULATION LINES SHALL BE INSULATED IN ACCORDANCE WITH SECTION 120.3 OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 6, SUBCHAPTER 3.
- 3. ALL PLUMBING FIXTURES & EQUIPMENT USED (E.G. SHOWERHEADS, LAVATORY FAUCETS, SINK FAUCET AND WATER HEATERS) SHALL HAVE BEEN CERTIFIED TO THE CALIFORNIA ENERGY COMMISSION BY ITS MANUFACTURER TO COMPLY WITH THE EFFICIENCY STANDARDS FOR SUCH APPLIANCES. 4. CODES:
 - ALL WORK, MATERIAL, AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY HAVING JURISDICTION. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT THE INSTALLATION OF WORK, MATERIAL OR EQUIPMENT NOT CONFORMING TO THESE OR OTHER CODES APPLICABLE TO THIS PROJECT.
 - A. 2016 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
 - B. 2016 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24, CCR BASED ON THE 2015 INTERNATIONAL BUILDING CODE (IBC)
 - C. 2016 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR BASED ON THE 2014 NATIONAL ELECTRICAL CODE (NEC)
 - D. 2016 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR BASED ON
 - THE 2015 UNIFORM MECHANICAL CODE (UMC) E. 2016 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR BASED ON THE
 - 2015 UNIFORM PLUMBING CODE (UPC)
 - F. 2016 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24 CCR.
 - G. 2016 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR BASED ON THE 2015 INTERNATIONAL FIRE CODE (IFC)
 - H. 2016 CALIFORNIA GREEN BUILDING STANDARDS (CGBSC) PART II, TITLE 24, CCR

5. WORKMANSHIP:

- ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO THE BEST TRADE PRACTICE BY THOSE SKILLED IN THE PARTICULAR TRADE. EQUIPMENT, FIXTURES, PIPING, ETC., SHALL BE PLUMB, LEVEL, SQUARE AND/OR CENTERED, ETC. EQUIPMENT TO BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 6. EXISTING INFORMATION:
- LOCATION, SIZE, ELEVATION, MATERIAL, ETC., OF EXISTING UTILITIES IS PROVIDED FROM SOURCES DEEMED RELIABLE BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL FIELD VERIFY ALL DATA BEFORE PROCEEDING WITH ANY WORK. NO EXTRA COST WILL BE ALLOWED FOR SERVICES NOT AS SHOWN.
- 7. PERMITS AND UTILITY SERVICE FEES:
- THE PLUMBING CONTRACTOR SHALL ARRANGE AND PAY FOR ALL PERMITS, INSPECTIONS, AND SERVICE CHARGES REQUIRED FOR THE INSTALLATION OF THE WORK. 8. ACCURACY:
- PLANS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND LOCATION OF WALLS, PARTITIONS, FIXTURES, ETC., AGAINST DESIGN PLANS FOR CONSISTENCY AND ACCURACY PRIOR TO COMMENCING WORK.
- 9. PROVIDE AND INSTALL CONDENSATE DRAIN WITH TRAP AT EACH A/C UNIT PER THE UPC, AT LOCATIONS SHOWN ON DRAWINGS. COORDINATE WITH MECHANICAL CONTRACTOR. 10. PROVIDE AND INSTALL ACCESS PANELS FOR ALL SHUT-OFF, ISOLATION, OR BRANCH VALVES NOT READILY ACCESSIBLE. ACCESS PANELS SHALL BE PROVIDED AND
- INSTALLED AT ALL TRAP PRIMER VALVES AND WATER HAMMER ARRESTORS. II. ALL PIPING PASSING THROUGH CONCRETE FLOORS SHALL BE SLEEVED TO PROTECT
- PIPING AGAINST BREAKAGE. 12. HORIZONTAL DRAINAGE PIPING LESS THAN 4" IN DIAMETER SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT (2%) DRAINAGE PIPING 4" AND LARGER SHALL BE SLOPED AT A MINIMUM OF 1/8" PER FOOT. (1%).
- 13. ALL PLUMBING FIXTURES AND PIPING SHALL BE LISTED BY AN APPROVED LISTING AND TESTING AGENCY AND PROPERLY LABELED.
- 14. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

PLUMBING MATERIAL SPECIFICATIONS

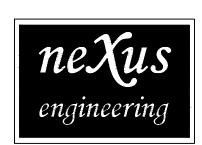
- A. DWV, ABOVE GRADE (SS, V) PIPE: SERVICE WEIGHT CAST IRON SOIL PIPE PER ASTM A888-2013a FITTINGS: CAST IRON "NO-HUB" PER ASTM A888-2013a B. DWV, BELOW GRADE (SS, V)
- PIPE: ABS SCH. 40 PLASTIC DRAIN, WASTE AND VENT, ASTM D2661-94A FITTINGS: ABS SCH. 40, ASTM D2661-94A
- C. DOMESTIC COLD WATER (CW) ABOVE GRADE: PIPE: COPPER TYPE L PER ASTM B-88
- FITTINGS: WROUGHT COPPER PER ANSI 16.22 D. DOMESTIC COLD WATER (CW) BELOW GRADE: PIPE: PRE-INSULATED CROSSLÍNKED POLYETHYLENE TUBING ASTM F876-93.
- FOAM INSULATION, UPNOR ECOFLEX POTABLE HDPE FITTINGS: NO FITTINGS BELOW GRADE. E. DOMESTIC HOT WATER (HW) ABOVE GRADE:
- PIPE: COPPER TYPE L PER ASTM B-88 FITTINGS: WROUGHT COPPER PER ANSI 16.22 INSULATION: INSULATE HOT WATER AND HOT WATER RETURNS WITH I"
- F. DOMESTIC HOT WATER (HW) BELOW GRADE: PIPE: PRE-INSULATED CROSSLINKED POLYETHYLENE TUBING ASTM F876-93, FOAM INSULATION, UPNOR ECOFLEX POTABLE HDPE FITTINGS: NO FITTINGS BELOW GRADE.

FIBERGLASS INSULATION AND ALL-SERVICE-JACKET

	SHEET INDEX
SHEET NO.	DESCRIPTION
P0.0	PLUMBING - SCHEDULES, NOTES & LEGEND
PI.0	PLUMBING - CW & HW FLOOR PLAN
PI.I	PLUMBING - SS & V FLOOR PLANS
P2.0	PLUMBING - DETAILS

SYMBOL	ABBREVIATION	DESCRIPTION
	55	SOIL, WASTE OR SANITARY SEWER BELOW FLOOR
	55	SOIL, WASTE OR SANITARY SEWER OVERHEAD
	V	VENT PIPING
	CW	COLD WATER
	FW	FILTERED WATER
	HW (110°, 140°)	HOT WATER SUPPLY
	HWR	HOT WATER RETURN
	G	NATURAL GAS - LOW PRESSURE
	(E)	EXISTING TO BE REMOVED
-D	D OR IW	DRAIN OR INDIRECT WASTE
CD	CD CD	CONDENSATE DRAIN
	OCD	OVERFLOW CONDENSATE DRAIN
	SD, RWL	STORM DRAIN, RAINWATER LEADER
	<i>O</i> FL	RAINWATER OVERFLOW LEADER (STORM)
	AD, AP	ACCESS DOOR, ACCESS PANEL
<u> </u>	AC	AIR CHAMBER
₹	ANV	ANGLE VALVE
$\stackrel{T}{\diamond}$	AQ	AQUASTAT
	AD	AREA DRAIN
_	AAV	AUTOMATIC AIR VENT
	BV	BALL VALVE
		BRANCH - TOP CONNECTION
		BRANCH - BOTTOM CONNECTION
		BRANCH - SIDE CONNECTION
	BFV	BUTTERFLY VALVE
	COP	CAP ON END OF PIPE
	CBV	CALIBRATED BALANCE VALVE
O	CB, RD	CATCH BASIN, ROOF DRAIN
	CKV	CHECK VALVE
——————————————————————————————————————	CP	CIRCULATING PUMP
-l co <u>-</u>	СО	CLEANOUT PLUG
	CR	CONCENTRIC REDUCER
φ	DIA	DIAMETER
	ER	ECCENTRIC REDUCER
	FC	FLEXIBLE CONNECTOR
①	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
F5	FS	FLOW SWITCH
_	GCK	GAGE COCK
─ ₩─	GV	GATE VALVE
	GSCK, PC	GAS COCK, PLUG COCK
<u> </u>	GPR	GAS PRESSURE REGULATOR
——>>>	GL. V.	GLOBE VALVE
ф	GCO	GRADE CLEANOUT
	HB	HOSE BIBB
	AN	PIPE ANCHOR
	PG	
		PIPE GUIDE
	POC	POINT OF CONNECTION
	PRV	PRESSURE REDUCING VALVE
	PG	PRESSURE GAUGE
POR F	RV or T&P	RELIEF VALVE OR TEMPERATURE & PRESSURE RELIEF VALVE
	SV	SOLENOID VALVE
-+	STR	STRAINER
<u>— Ψ</u>	TH	THERMOMETER
—ТР—	TP	TRAP PRIMER
—— — —	UN	UNION OR FLANGE
Θ - \parallel	WCO	WALL CLEANOUT

PLUMBING LEGEND

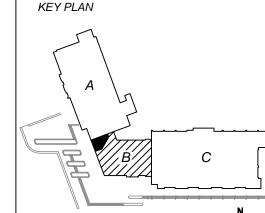


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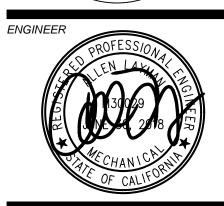
University of California Merced, California

INTERIOR ARCHITECTURE & DESIGN **CAFE DESIGN** & architecture Maricopa, Arizona - San Francisco, California

p: 925.216.1782 f:707.361.0953







DSA SUBMITTAL 06.16.17 UC FACILITIES REVIEW 06.06.17 PROGRESS SUBMITTAL 05.23.17 FOR ENGINEERING 05.17.17 UPDATED FINAL 04.17.17 UPDATED PRELIM 04.12.17

PROJECT

PRELIMINARY

UC Merced LIBRARY LANTERN CAFE

04.10.17

5200 N. Lake Road Merced, California 95343

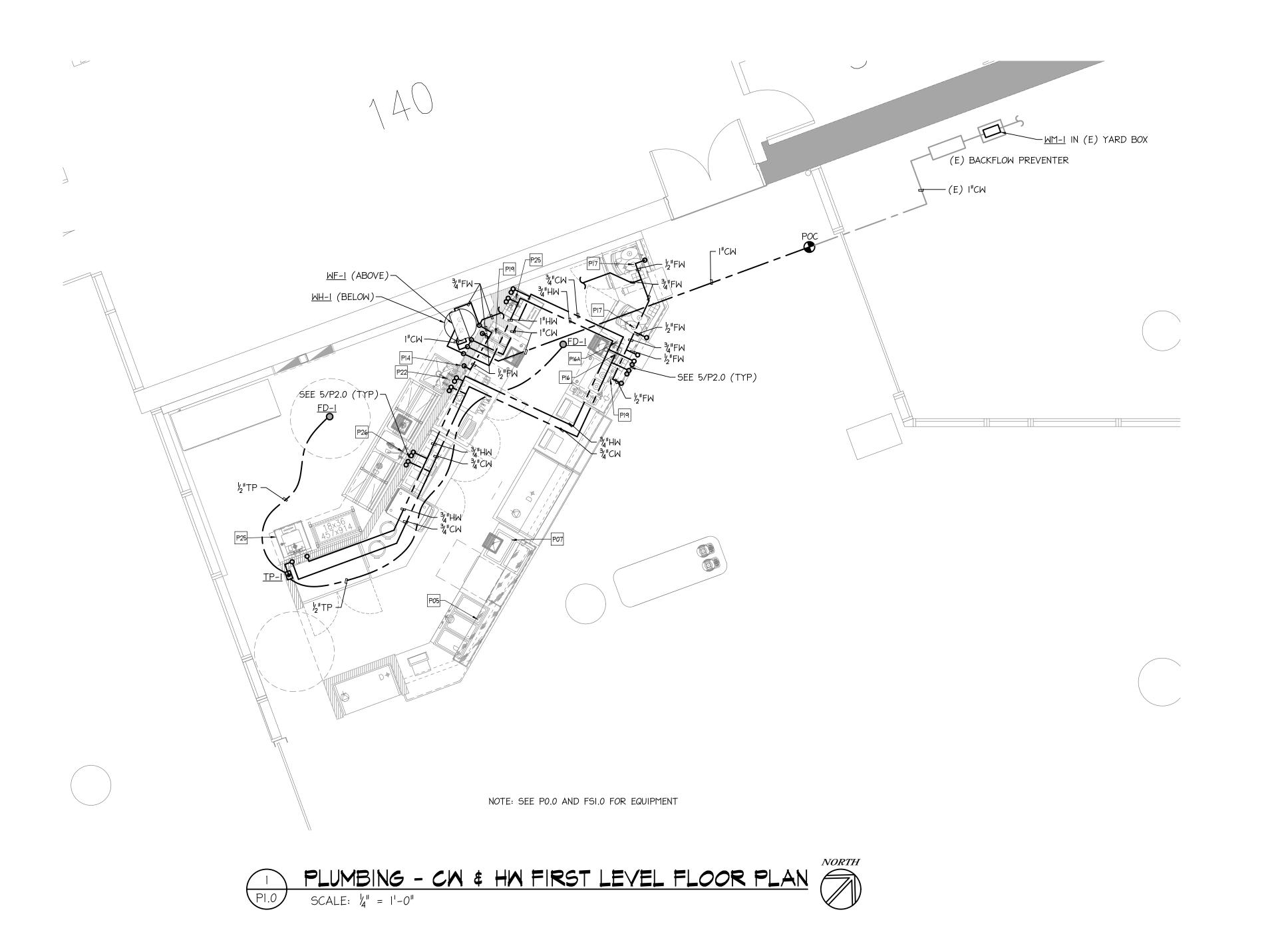
Cafe Remodel

PROJECT #: UCMERC_041017

SHEET TITLE

PLUMBING-SCHEDULES, NOTES & LEGEND

SHEET NO.



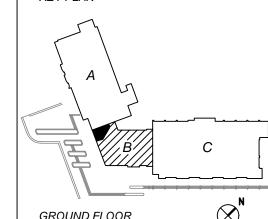


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& architecture
& commercial - retail - technical interiors

Maricopa, Arizona - San Francisco, California
p: 925.216.1782 f:707.361.0953

KEY PI AN



GROUND FLOOR



ENGINEER

PROFESSIONA

EN LA VIA

DS

DATES

DSA SUBMITTAL 06.16.17
UC FACILITIES REVIEW 06.06.17
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PROJECT

X UC Merced

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Cafe Remodel

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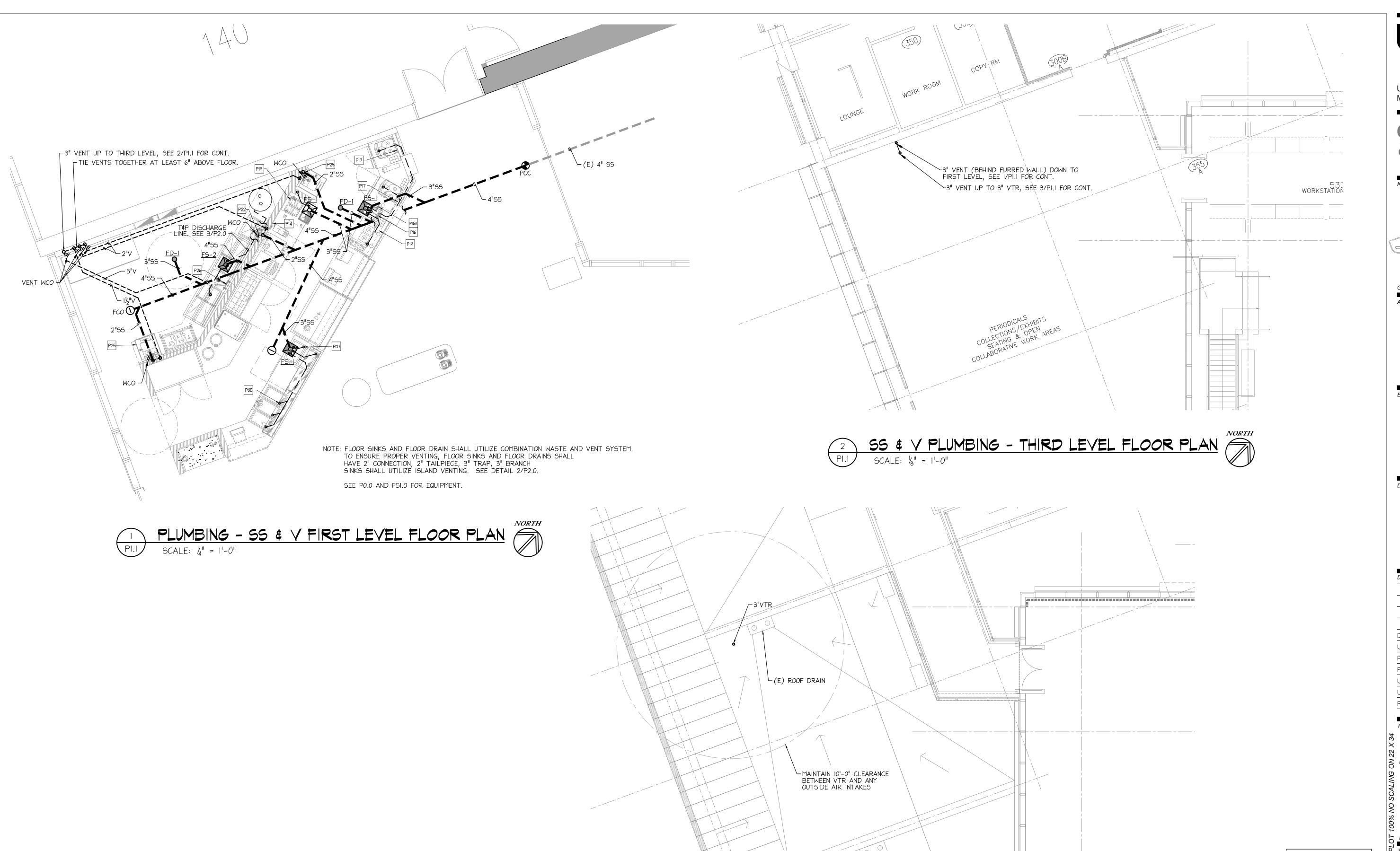
SHEET TITLE

PLUMBING-CW & HW FLOOR PLAN

SHEET NO.

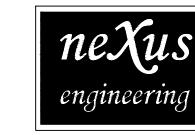
P1.0

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PLUMBING - SS & V FOURTH LEVEL/ROOF PLAN

SCALE: 1/2" = 1'-0"



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Modesto, CA 95351
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University of California Merced, California

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KEY PLAN

A

C

GROUND FLOOR

ARCHITECT

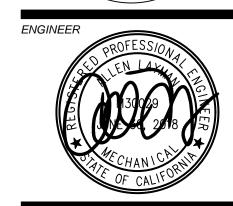
LLOYD L. DESBRISAY

C-26487

His. #

05.31.18

RENEWAL DATE



DATES

DSA SUBMITTAL 06.16.17

UC FACILITIES REVIEW 06.06.17

PROGRESS SUBMITTAL 05.23.17

FOR ENGINEERING 05.17.17

UPDATED FINAL 04.17.17

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PROJECT

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> > Cafe Remodel

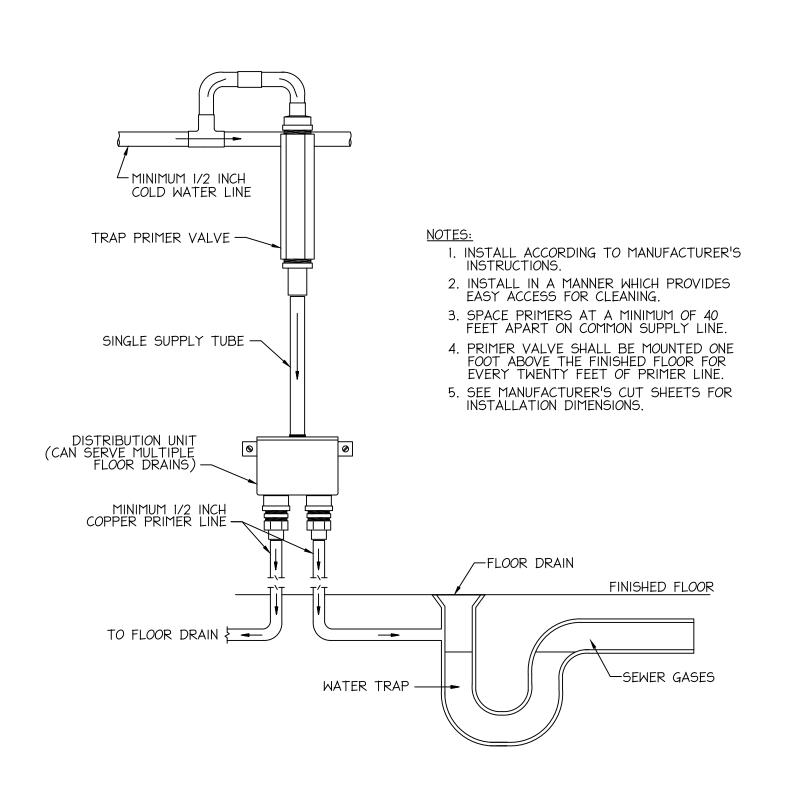
PROJECT #: UCMERC_041017

SHEET TITLE

PLUMBING-SS & V FLOOR PLANS

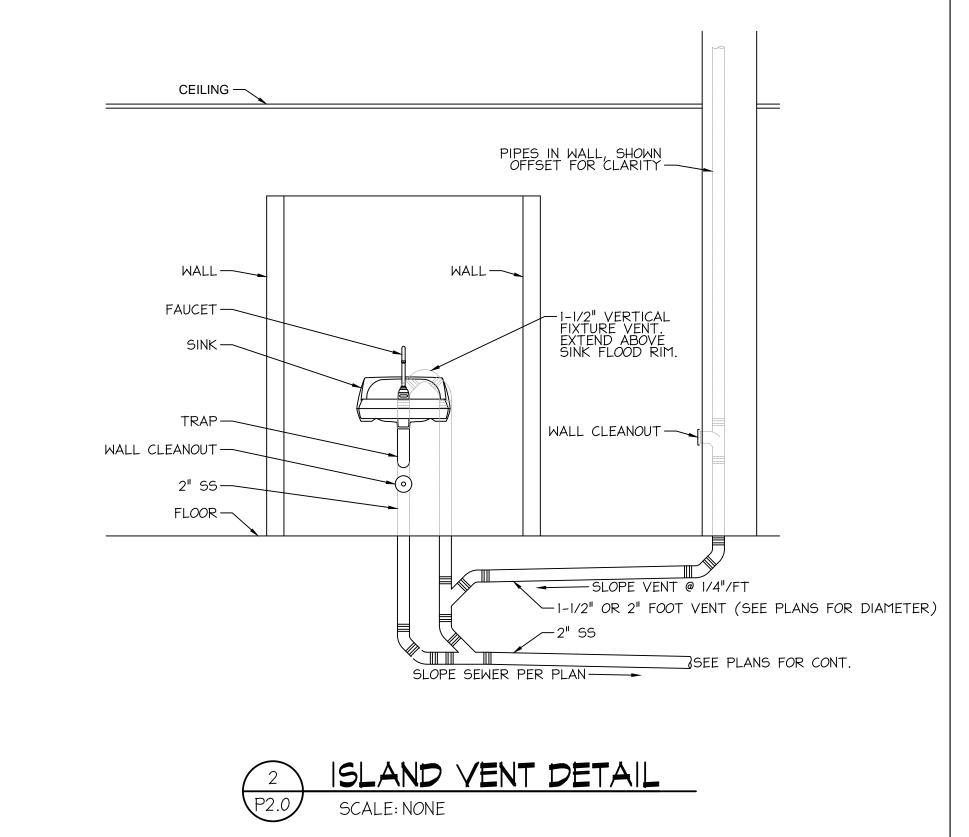
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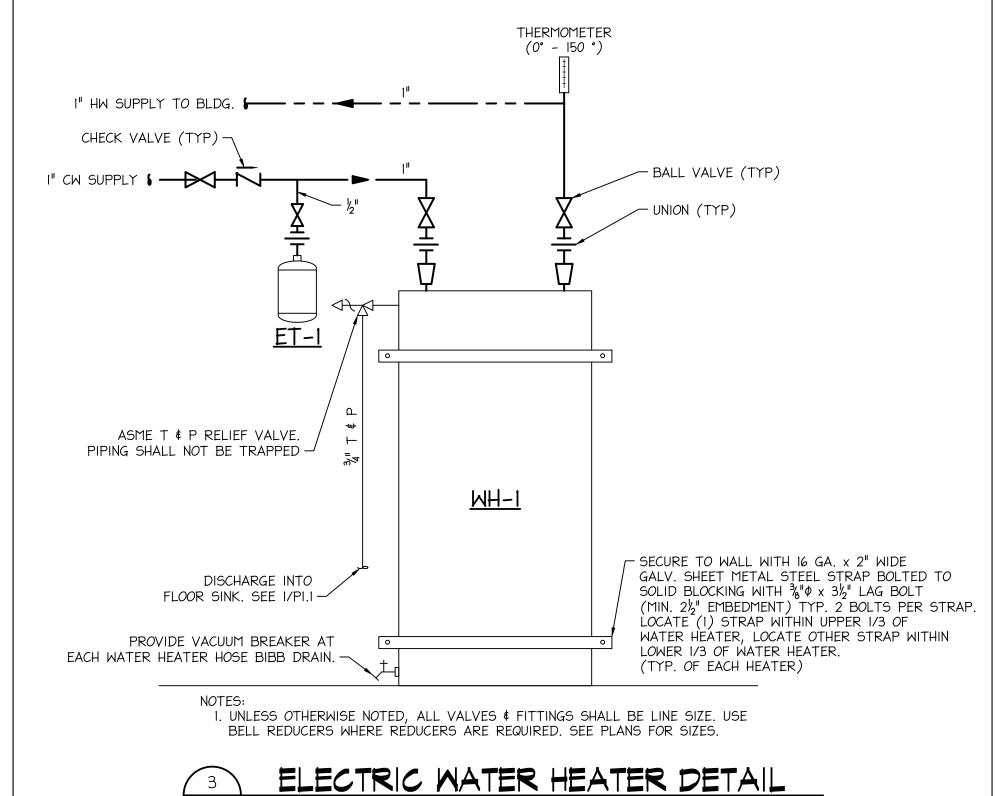
P1.1



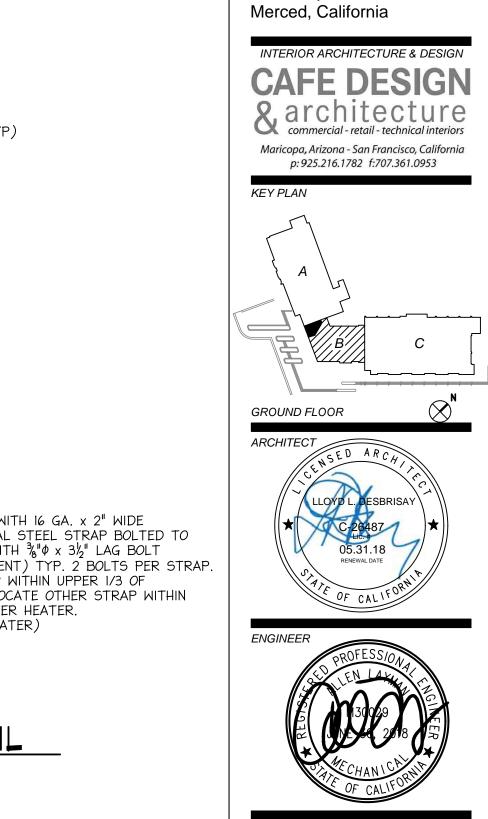
TRAP PRIMER DETAIL

SCALE: NONE

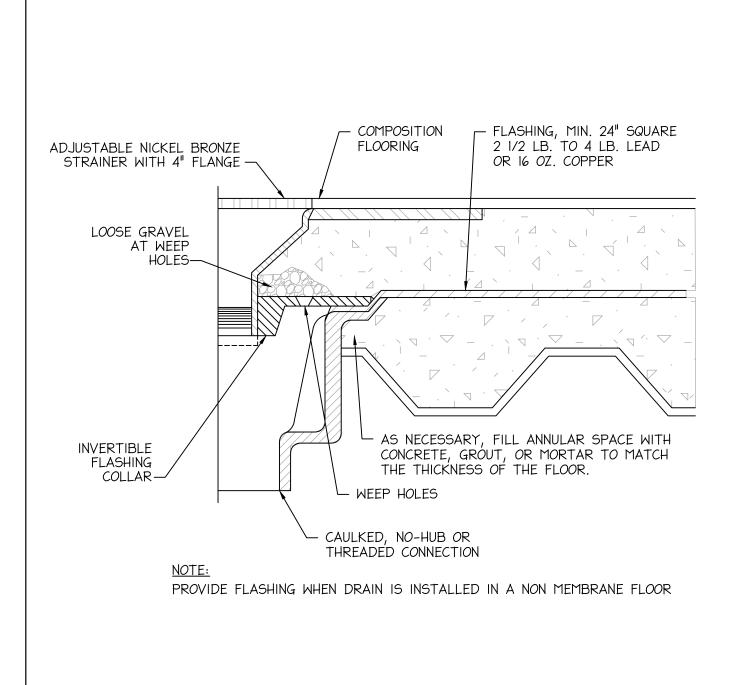




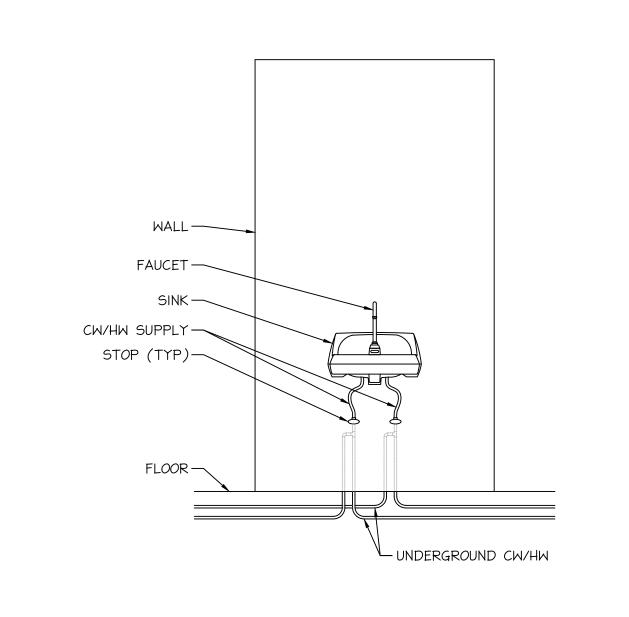
SCALE: NONE



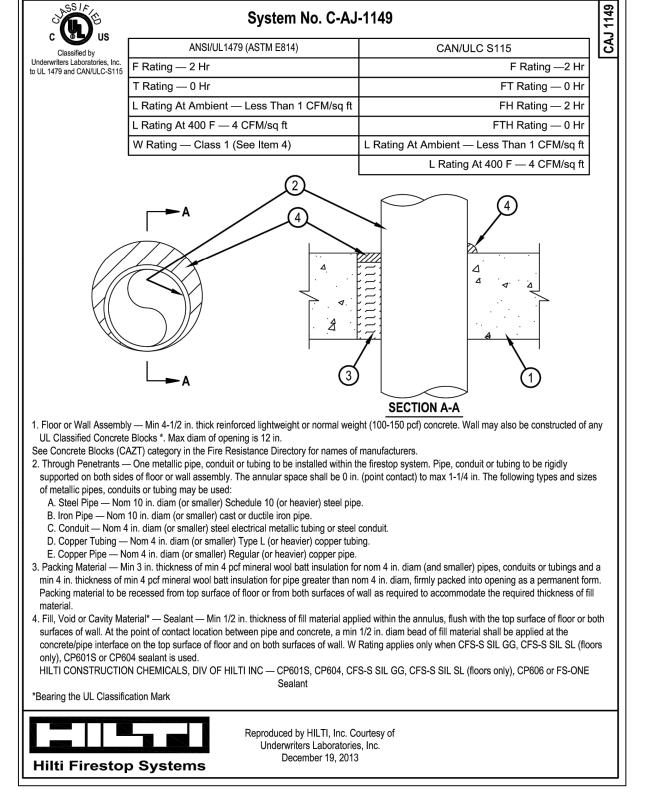
University of California



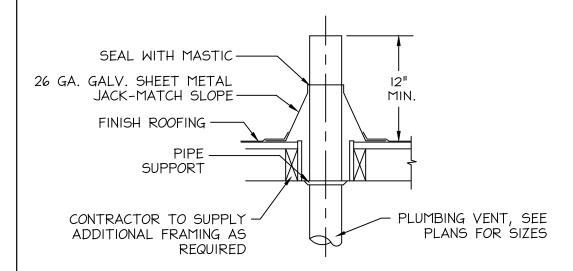
FLOOR DRAIN DETAIL
SCALE: NONE



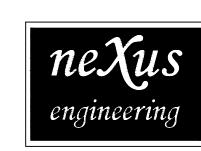












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UPDATED PRELIM 04.12.17

PRELIMINARY 04.10.17

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> > Cafe Remodel

PROJECT #: UCMERC_041017

SHEET TITLE

PLUMBING-DETAILS

SHEET NO.

P2.0

SCOPE OF WORK NARRATIVE

1. DEMOLITION

1.1. DEMO ALL BRANCH CIRCUIT WIRING ASSOCIATED WITH PANELS "A" & "B" FOR ALL DEMO'ED CASEWORK. REMOVE (E) FEEDERS TO PANELS "A" & "B". DEMO & RE-WORK EXISTING RECPETACLE FLOORBOXES WITHIN PROJECT AREA FOR RE-USE. DEMO ALL EXISTING LOW VOLTAGE CABLING SERVED WITHIN CAFÉ VIA THE EXISTING FLOORBOXES.

2. POWER DISTRIBUTION

2.1. INSTALL NEW TRANSFORMER "TX-LCA/B" WITH SECONDARY OVERCURRENT PROTECTION WITHIN 3RD ELECTRICAL ROOM AND EXTEND NEW FEEDER DOWN TO PROJECT AREA WITH NEW 3 PHASE PANELS "A" & "B". RETURN EXISTING RACEWAY FOR FEEDERS BACK INTO LOW VOLTAGE PATHWAY & EXTEND TO NEW TERMINAL CABINET.

3.LOW VOLTAGE/TECHNOLOGY

3.1. EXTEND NEW LOW VOLTAGE CAT-6 CABLES VIA THE EXISTING TELEPHONE ROOM/IDF FOR NEW CCTV CAMERAS, POS ETHERNET CONNECTION, POS BMP/BMPS EMPLOYEE ORDER SYSTEM, & PANIC BUTTON. EXTEND NEW RACEWAYS TO TERMINAL CABINET WITHIN NEW CASEWORK FOR CENTRALLIZING AND ROUTING OF ALL NEW CABLES.

GENERAL ELECTRICAL LEGEND

- CONCRETE PULL BOX -SIZE AS NOTED LIDS AS NOTED 'P' POWER, 'S' SIGNAL, 'F' FIRE ALARM & 'D' DATA; '-T' DENOTES TRAFFIC LID CONDUIT -SURFACE MOUNTED OR ABOVE CEILING -EMT WITH COMPRESSION FITTING UNLESS NOTED ON PLANS
- CONDUIT -CONCEALED BELOW FLOOR IN EMT OR UNDERGROUND IN PVC SCH 40 WITH IMC ELBOWS
- HOMERUN TO PERSPECTIVE PANEL OR CABINET —BRANCH CIRCUIT WITH OUT FURTHER DESIGNATION IS A #12 WIRE CIRCUIT GROUND-XX TERMINAL CABINET CKT. WIRE

WIRE SIZE -PANEL BOARD -SEE SCHEDULE MOTOR/EXHAUST FAN -N.I.E.S. -CONNECT AS REQUIRED

DUPLEX RECEPTACLE +18" A.F.F. U.O.N. - GFCI WHERE NOTED QUADPLEX RECEPTACLE +18" A.F.F. U.O.N. - GFCI WHERE NOTED

FLOOR POWER RECEPTACLE -WALKER OR EQUAL 30A. -4 WIRE GROUND RECEPTACLE +18" A.F.F. - HUBBELL, BRYANT, OR EQUAL 50A. -4 WIRE GROUND RECEPTACLE +18" A.F.F. - HUBBELL, BRYANT, OR EQUAL JUNCTION BOX -4 11/16" x 2 1/8" SQUARE OR SMALL

JUNCTION BOX -LARGER THAN 4 11/16" x 2 1/8" SQUARE FLOOR JUNCTION BOX -WALKER OR EQUAL

FUSED DISCONNECT SWITCH -SIZE AS NOTED -30A. SHOWN FULL VOLTAGE STARTER -SIZE AS NOTED -SIZE 3 SHOWN COMBINATION STARTER -SIZE AS NOTED -SIZE 3 SHOWN

LIGHTING LEGEND

SEE FIXTURE SCHEDULE FOR EXACT CALL OUT & DESCRIPTION

FLUORESCENT LIGHTING FIXTURE -STRIP LIGHT FLUORESCENT LIGHTING FIXTURE -SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE -RECESSED MOUNTED

EMERGENCY LIGHTING

EXIT LIGHT W/ BATTERY BACKUP -ARROWS SHOW DIRECTION OF

LOW LEVEL EXIT LIGHT -ARROWS SHOW DIRECTION OF EGRESS

INCANDESCENT LIGHT FIXTURE -CEILING MOUNTED

INCANDESCENT LIGHT FIXTURE —WALL MOUNTED

INTERIOR LIGHT FIXTURE -RECESSED MOUNT SINGLE POLE TOGGLE SWITCH +48" SWITCHING SUBSCRIPTS

TWO POLE TOGGLE SWITCH +48" a DEVICE CONTROLLED THREE POLE TOGGLE SWITCH +48" FOUR POLE TOGGLE SWITCH +48" J M OCCUPANCY SENSOR

PHOTO ELECTRIC CELL

NL ABBREVIATION FOR NIGHT LIGHT

EL ABBREVIATION FOR EMERGENCY LIGHT FIXTURE IDENTIFICATION -LETTER INDICATES FIXTURE TYPE -NUMERAL

INDICATES LAMP QUANTITY AND WATTAGE DIMMER SWITCH SINGLE POLE +48"

ELECTRICAL COMPLIANCE NOTES

THE INTENT OF THE DRAWINGS AND SPECIFICATION IS TO CONSTRUCT THE PROPOSED BUILDING IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 22, DIVISION 7, CHAPTER 7 CALIFORNIA CODE OF REGULATIONS AND TITLE 24 -- ALL APPLICABLE PARTS OF LATEST

ALL WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE FOLLOWING CODES AND REGULATIONS AS APPLICABLE:

2016 CALIFORNIA ADMINISTRATIVE CODE (CAC)

PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) 2016 CALIFORNIA BUILDING CODE (CBC)

PART 2, TITLE 24, CCR BASED ON THE 2015 INTERNATIONAL BUILDING CODE (IBC)

2016 CALIFORNIA ELECTRICAL CODE (CEC) PART 3. TITLE 24, CCR BASED ON THE 2014 NATIONAL ELECTRICAL CODE (NEC)

2016 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR

BASED ON THE 2015 UNIFORM MECHANICAL CODE (UMC) 2016 CALIFORNIA PLUMBING CODE (CPC)

PART 5, TITLE 24, CCR BASED ON THE 2015 UNIFORM PLUMBING CODE (UPC)

2016 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR

BASED ON THE 2015 INTERNATIONAL FIRE CODE (IFC)

UNLESS OTHERWISE STATED, IT IS INTENDED THAT THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN EFFECT ON THE DATE OF THE CONTRACT. NOTHING ON THE DRAWING IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE ABOVE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.

ELECTRICAL ABBREVIATIONS

EVAPORATOR

	DELTA CONNECTED	(F)	FUTURE	ос	ON CENTER
	WYE CONNECTED	FA	FIRE ALARM	он	OVERHEAD
	PHASE	FACP	FIRE ALARM CONTROL PANEL	OL	THERMAL OVERLOAD RELAY
	AND	FAT	FIRE ALARM TERMINAL CABINET	OT	OVER TEMPERATURE
	AT	FIXT	FIXTURE	OSHPD	OFFICE OF STATEWIDE HEALTH
	FEET	FLA	FULL LOAD AMPS		PLANNING AND DEVELOPME
	INCHES	FLEX	FLEXIBLE		
		FLUOR	FLUORESCENT	PA	PUBLIC ADDRESS
	AMPERES	FS	FLOW SWITCH	PB	PULL BOX
С	ALTERNATING CURRENT	FOR	FORWARD-OFF-REVERSE	PNL	PANEL
CT	ABOVE COUNTERTOP/BACKSPLASH	FT	FEET	PH	PHASE
DJ.	ADJACENT, ADJOINING			PR	PAIR
FD	ADJUSTABLE FREQUENCY DRIVE	GALV	GALVANIZED	PRI	PRIMARY
FF	ABOVE FINISHED FLOOR	GND	GROUND	PS	PRESSURE SWITCH
,	ALUMINUM	GC	GENERAL CONTRACTOR	PWR	POWER
PPROX	APPROXIMATE		111011	FMA	POWER
		HI	HIGH	(R)	BENOVE(D)
RCH	ARCHITECT	HOA	HAND-OFF-AUTO		REMOVE(D)
UTO	AUTOMATIC	HOS	HAND-OFF-STANDBY	RA DD	REMOTE ANNUNCIATOR
UX · ·	AUXILIARY	HV	HIGH VOLTAGE	RD	ROAD
LT	ALTERNATE	HVAC	HEATING, VENTILATION, AIR	REQD	REQUIRED
WG	AMERICAN WIRE GAUGE		CONDITIONING	REQMTS	REQUIREMENTS
		IDF	INTERMEDIATE DISTRIBUTION FRAME	RGP	REDUNDANT GROUND PATH
	BARE	INCAN	INCANDESCENT	RM	ROOM
С	BARE COPPER GROUND			RECP	RECEPTACLE
KBD	BACKBOARD	IDC	INITIATING DEVICE CIRCUIT	RT	RAIN TIGHT
RKR	BREAKER	IN	INCHES		
LDG	BUILDING	INST	INSTANTANEOUS	SCH	SCHEDULE
		J	JUNCTION BOX	SEC	SECONDS, SECONDARY
	CONDUIT OR CONTRACTOR	3	OUNCTION BOX	SHT	SHEET
AB	CABINET	KV	KILOVOLTS	SIG	SIGNAL
ATV	CABLE TELEVISION	KVA	KILOVOLT AMPERES	SPECS	SPECIFICATIONS
KT	CIRCUIT	KW	KILOWATTS	sw	SWITCH
LG	CEILING	.,,,,	111201111110	SWD	SWITCHED
0	CONDUIT ONLY	L	LINE	SP	SPARE
ОММ	COMMUNICATION	LB	ELBOW	STD	STANDARD
ONC	CONCRETE	LF	LINEAR FEET	STR	STRANDED
ONN	CONNECT	LOS	LOCKOUT-STOP	SWBD	SWITCHBOARD
ONT	CONTINUATION OR CONTINUED	LOH	LOCK-OFF-HALT	01155	SWITCHEONED
OORD	COORDINATE	LV	LOW VOLTAGE	TELE	TELEPHONE
R	CONTROL RELAY			TEMP	TEMPERATURE
T	CURRENT TRANSFORMER	M	MOTOR	TOA	TEST OFF AUTOMATIC
I OMP		MAX	MAXIMUM	TH	
	COMPRESSOR	MCA	MINIMUM CIRCUIT AMPS		THERMOSTAT
U	COPPER	MCC	MOTOR CONTROL CENTER	TRANSF	TRANSFORMER
_	DIDECT CURRENT	MCM	THOUSAND CIRCULAR MILLS	TYP	TYPICAL
<u>c</u>	DIRECT CURRENT	MCP	MOTOR CIRCUIT PROTECTOR	TSP	TWISTED SHIELDED PAIR
ET	DETAIL	MDF		THRU	THROUGH
ISC	DISCONNECT		MAIN DISTRIBUTION FRAME		
IST	DISTRIBUTION	MECH	MECHANICAL	UG	UNDERGROUND
SA	DIVISION OF THE STATE ARCHITECT	MFG	MANUFACTURER	UNO	UNLESS NOTED OTHERWISE
WG	DRAWING	MIN	MINIMUM		
		MPOE	MAIN POINT OF ENTRY	V	VOLTS
), EXIST	EXISTING	MSB	MAIN SWITCHBOARD	VA	VOLT AMPS
С	ELECTRICAL CONTRACTOR			VFD	VARIABLE FREQUENCY DRIVE
L, ELEV	ELEVATION	N	NEUTRAL	VM	VOLT METER
L	EMERGENCY LIGHT	(N)	NEW		
LECT	ELECTRICAL	NA	NON-AUTOMATIC	W	WIRE
MS	ENERGY MANAGEMENT SYSTEM	NAC	NOTIFICATION APPLIANCE CIRCUIT	W/	WITH
MT	ELECTRICAL METALLIC TUBING	NC	NORMALLY CLOSED	W/O	WITHOUT
OL	END OF LINE	NIES	NOT IN ELECTRICAL SECTION	WP	WEATHERPROOF
NCL	ENCLOSURE	NIC	NOT IN ELECTRICAL CODE	WHD	WATT HOUR DEMAND METER
P	EXPLOSION PROOF	NO., #	NUMBER	WM	WATT METER
QUIP	EQUIPMENT	NO., F	NORMALLY OPEN	WH	WATER HEATER
TC	ET CETERA	NL NL	NIGHT LIGHT	XFMER	TRANSFORMER
VAD	EL CETERA EVADORATOR	147	MOIT LIGHT	IVPI	PEMOVE AND RELOCATE(D)

REMOVE AND RELOCATE(D)

GENERAL ELECTRICAL NOTES

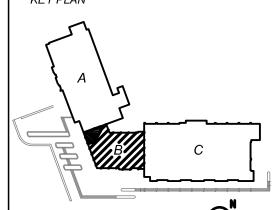
- PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND ALL PERFORM ALL OPERATIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK REQUIRED FOR THE COMPLETE AND OPERATING SYSTEMS AS OUTLINED WITHIN THE SCOPE OF WORK.
- 2. UNDERWRITERS LABORATORIES, INC., SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.
- 3. THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE. CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE.
- 4. CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE AS NOTED ON CONSTRUCTION DOCUMENTS.
- 5. ALL REQUIRED CONDUITS SHALL BE PROVIDED BY E.C. LOW VOLTAGE WIRING SHALL BE BY MECHANICAL CONTRACTOR, LINE VOLTAGE (50 VOLTS OR MORE) SHALL BE BY ELECTRICAL CONTRACTOR.
- 6. ALL CONDUITS SHALL BE SUPPORTED AND BRACED PER OPA NO. OPA-0120, THE "UNISTRUT SEISMIC BRACING SYSTEM" FOR PIPES AND CONDUITS ONLY. LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT OSHPD PRE-APPROVALS FOR PIPING/DUCTS/CONDUITS EXCEPT FIRE SPRINKLERS, NEED TO BE SUBMITTED FOR USE BY THE IOR AND OSHPD STAFF. THE LAYOUT DRAWINGS NEED TO BE REVIEWED AND ACCEPTED BY THE AOR AND SEOR PRIOR TO STARTING INSTALLATION OF THE BRACING/SUPPORT. IOR SHALL ENSURE THE ABOVE REQUIREMENTS ARE SATISFIED.
- DO NOT PENETRATE STRUCTURAL MEMBERS, INCLUDING BEAMS, COLUMNS, OR FOOTINGS, WITHOUT PRIOR WRITTEN CONSENT OF THE DISTRICT'S STRUCTURAL ENGINEER. SHOULD IT BECOME NECESSARY TO PENETRATE SUCH MEMBERS, NOTIFY THE DISTRICT IN WRITING WITHOUT DELAY, PRIOR TO PROCEEDING WITH CONSTRUCTION AROUND SUCH MEMBERS.
- 8. ALL ELECTRICAL WORK SHALL CONFORM WITH THE 2010 CALIF. ELECTRICAL CODE CALIFORNIA TITLE 17, 19 & 24 ALONG WITH N.F.P.A. STANDARDS AND THE STATE FIRE MARSHAL'S REQUIREMENTS.
- 9. ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF STATE & GOVERNING LOCAL FIRE CODES AND BUILDING CODES.
- 10. WHERE EXISTING CONSTRUCTION IS CUT, DAMAGED, OR REMODELED, PATCH WITH MATERIALS TO MATCH IN KIND, QUALITY, AND PERFORMANCE.
- 11. WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO PUBLIC AND TO OCCUPANTS OF EXISTING BUILDING.
- 12. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.
- 13. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION.
- 14. CONTRACTOR TO COORDINATE WITH OWNERS VENDORS (SUCH AS, BUT NOT LIMITED TO: SECURITY, PHONES, DATA, CLOSED CIRCUIT T.V., ETC.) AND ALLOW ACCESS TO THE CONSTRUCTION SITE.
- 15. ALL CONDUIT SHALL BE TYPE EMT CONDUIT UNLESS OTHERWISE NOTED. TYPE MC CABLE SHALL NOT BE USED UNLESS SPECIFICALLY NOTED ON THE CONSTRUCTION DOCUMENTS.
- 16. OPERATED DEVICES SUCH AS, BUT NOT LIMITED TO, TELE/DATA OUTLETS, RECEPTACLE OUTLETS AND LIGHT SWITCHES INSTALLED IN AREAS NOT RESTRICTED TO AUTHORIZED MAINTENANCE PERSONAL SHALL BE MOUNTED AT A MINIMUM OF +15" AFF., AS MEASURED FROM THE BOTTOM OF THE DEVICE OUTLET BOX, AND MAXIMUM OF +48" AFF.. AS MEASURED FROM THE TOP OF THE DEVICE OUTLET BOX.
- 17. ALL CHANGE ORDER PROPOSALS AND CHANGE ORDERS, BOTH ADDITIVE AND DEDUCTIVE, SHALL BE BASED UPON AND BE ACCOMPANIED BY A DETAILED MATERIALS AND LABOR BREAKDOWN FOR EACH SPECIFIC TASK AND/OR ITEM. THE BREAKDOWN SHALL INCLUDE ACTUAL MATERIALS COSTS PLUS OVERHEAD AND PROFIT, AS WELL AS LABOR UNITS BASE UPON THE MOST RECENT NECA MANUAL OF LABOR UNITS (NECA INDEX #4090) OR EQUIVALENT PUBLICATION FOR EACH SPECIFIC TASK AND ITEM. LABOR COSTS SHALL BE COMPUTED AS OUTLINED WITHIN THE GENERAL CONDITIONS, BASED UPON THE NECA LABOR TABLES FOR EACH TASK REQUIRED. MATERIALS COSTS SHALL INCLUDE ACTUAL CONTRACTOR INVOICE PLUS NO MORE THAN 15% MARKUP. THE OWNER AND CONTRACTOR AGREE TO THE ABOVE CHANGE ORDER COST PROCEDURE, FOR BOTH ADDITIVE AND DEDUCTIVE CHANGE ORDERS
- 18. ALL PERSONNEL WORKING WITH ENERGIZED EQUIPMENT WITHIN THE RESTRICTED ZONE PER NFPA-70E SHALL COMPLY WITH ALL NFPA-70E AND OSHA REQUIREMENTS AND BE ARC FLASH SAFETY CERTIFIED.



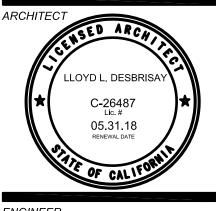
University of California Merced, California

INTERIOR ARCHITECTURE & DESIGN CAFE DESIGN **2.** architecture commercial - retail - technical interiors Maricopa, Arizona - San Francisco, California

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GROUND FLOOR



ENGINEER

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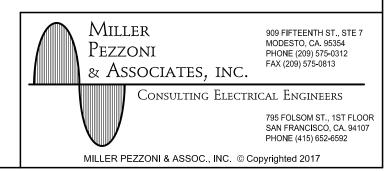
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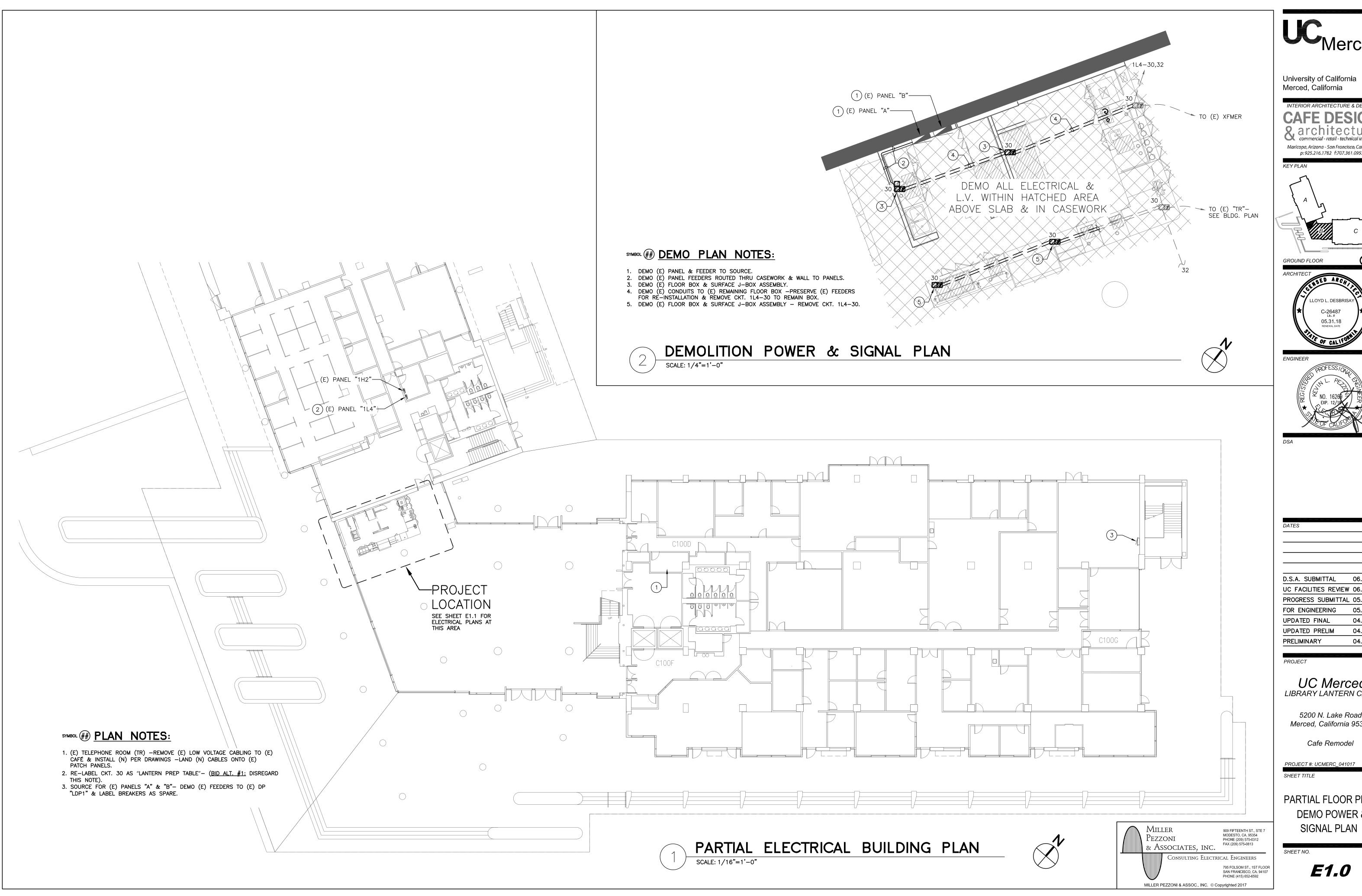
Cafe Remodel

PROJECT #: UCMERC 041017

ELECTRICAL NOTES, LEGEND AND **ABBREVIATIONS**

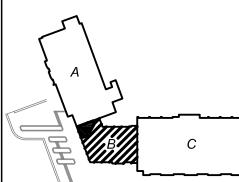
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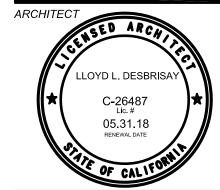


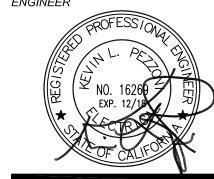


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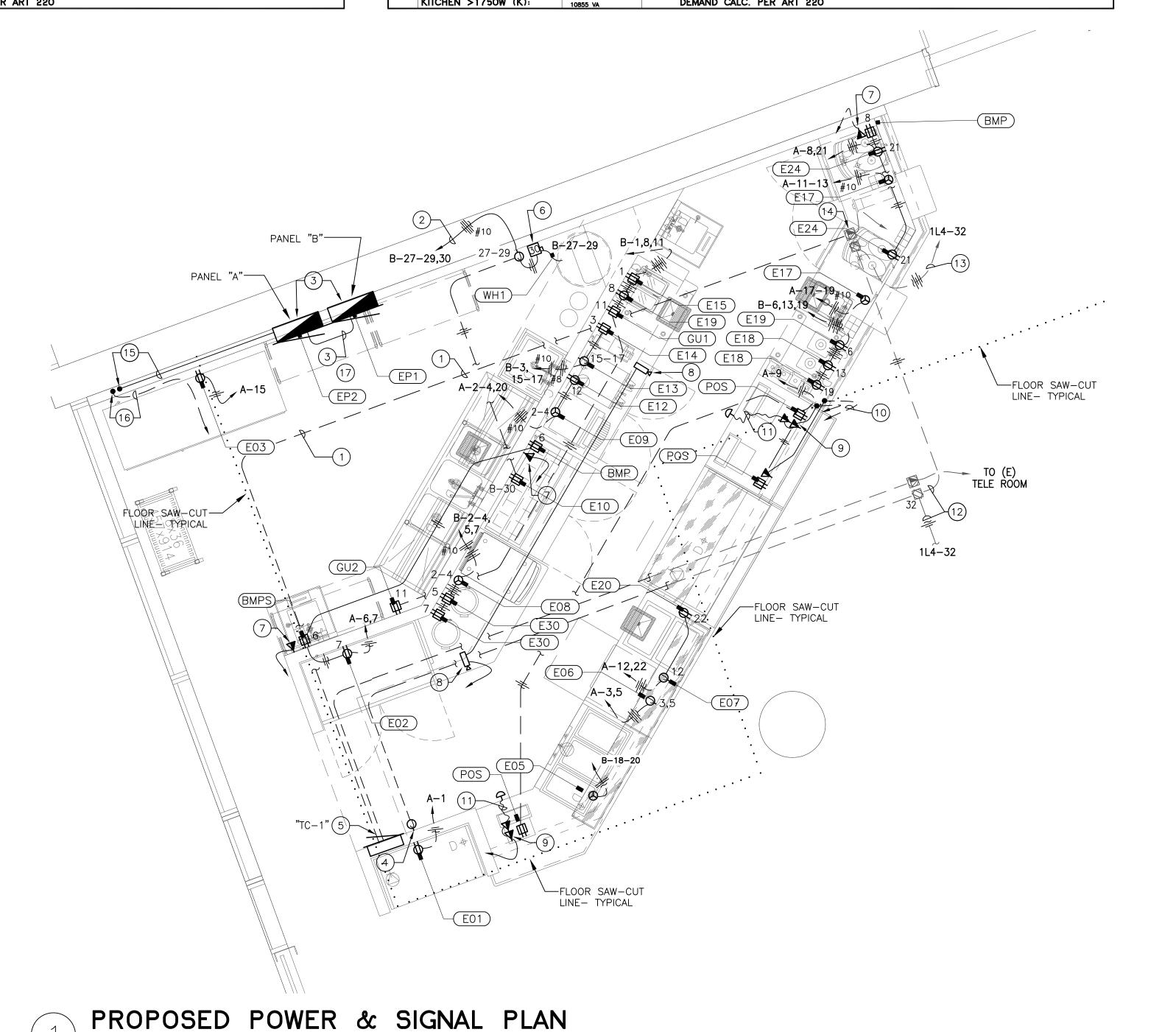
Cafe Remodel

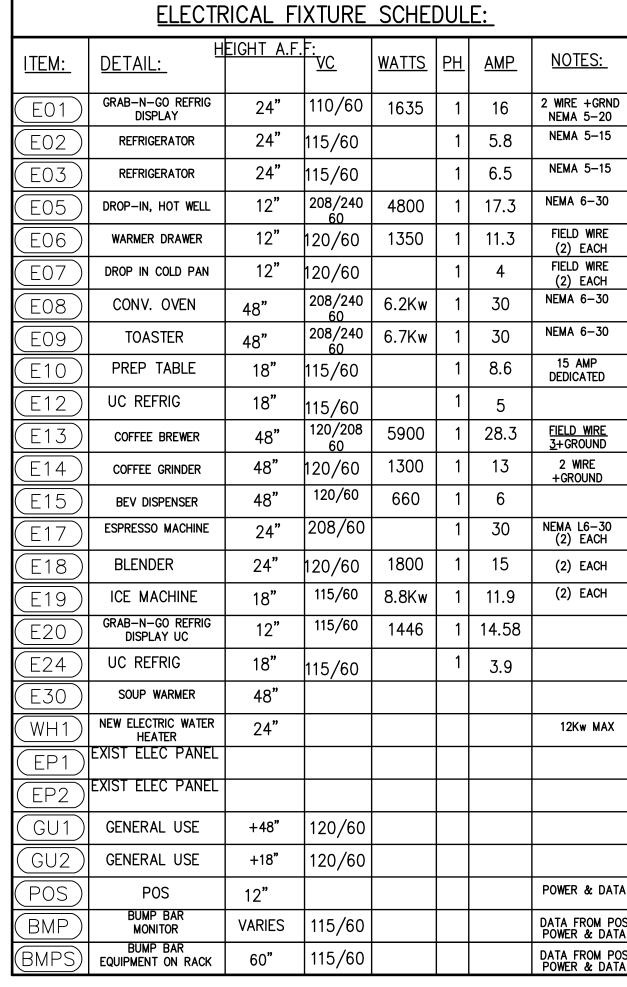
PROJECT #: UCMERC_041017

PARTIAL FLOOR PLAN DEMO POWER &

E1.0

	PANEL: A BUS RATING: 200 A. VOLTAGE: 120/208 V.		PROVIC PHASE: WIRE:	DE w/FE 3ø 4	ED THRU		SCCR: BUSSING:				LOCATION: NEMA TYPE: MOUNTING:	1	
CKT	DESCRIPTION	BRKR	TYPE	LOAD	A (va)	B (va)	C (va)	LOAD	TYPE	BRKR	DESCRIPTION		CKT
1	EO1 (GRAB-N-GO REFRG)	20/1	R	1920	5270			3350	К	30/2	E09 (TOASTER)	2
3	E06 (WARMER DRAWER)	20/1	R	1350		4700		3350	к	/			4
5	E06 (WARMER DRAWER)	20/1	R	1350			1830	480	R	20/1	RECPS -BMPS	S	6
7	E02 (REFRIG)	20/1	R	720	960			240	R	20/1	RECPS -BMPS	5	8
9	RECP -POS	20/1	R	300		400		100	L	20/1	LTG -CABINET	RY	10
11	E17 (ESPRESSO MACH)	30/2	K	2500			3460	960	R	20/1	E07 (COLD PA	ANS)	12
13		/	к	2500	2500					20/1	SPARE		14
15	E03 (REFRIG)	201/G	N	780		780				20/1	SPARE		16
17	E17 (ESPRESSO MACH)	30/2	к	2500			2500			20/1	SPARE		18
19		/	ĸ	2500	3100			600	N	20/1G	E12 (UC REFF	RIG)	20
21	E24 (UC REFRIG)x2	20/1G	N	950		2400		1450	N	20/1G	E20 (GRAB-N	-GO)	22
23							0						24
25					0								26
27						0							28
29							0						30
					11830	8280	7790						
	CONTINUOUS (C):	O VA			MCB:	_					_		
	NON-CONTINUOUS (N):	3780 VA			MLO:	YES				MAX. PH	ASE @125% =	123.2 A.	
	RECEP. (R):	7320 VA								DEN	MAND TOTAL =	22.1 kVA	
	MOTOR (M) OR (M1):	O VA									=[61.2 A.	
	LIGHTING (L):	100 VA									⊙ 125% =	76.5 A.	
	KITCHEN >1750W (K):	10855 VA			DEMAND (ALC PER	D APT 22	n					





SYMBOL ## PROPOSED PLAN NOTES:

- 1. EXTEND TO "TC-1" & DEMO FEEDER TO SOURCE.
- 2. INTERCEPT (N) 3/4" IN SLAB & EXTEND TO (N) RECP W/CKT AS SHOWN- DON'T EXTEND 3/4" FLOORBOX CONDUIT -INSTEAD INSTALL (N) HOMERUN TO PANEL "B" W/ CIRCUITS AS SHOWN.
- INSTALL (N) 3 PHASE PANELBOARDS "A" & "B" AS CHASE NIPPLE W/ (N) FEEDER
- PER SINGLÉ LINE DIAGRAM.
- 4. INTERCEPT (N) 1.5"C TELECOM. IN SLAB & EXTEND INTO (N) WALL W/8"X8"X4" FLUSH J-BOX +24"AFF. 5. INTERCEPT (N) 3/4" IN SLAB & EXTEND TO (N) 1-GANG OUTLET BOX AT +18"AFF
- 6. (N) NON-FUSED DISCONNECT 30A.-2P. TO 4KW-480V.-1PH. HOT WATERHEATER
- -PROVIDE FNMC CONNECTION. 7. (N) 1-GANG DATA OUTLET W/DUPLEX OUTLET -ROUTE (N) 1"C TO "TC-1" CABINET
- W/(2) UTP6-4 TO POS SERVER AT FRONT COUNTER. 8. (N) FLUCH CCTV CAMERA PELCO #IM10LW W/ 1"C TO "TC-1" CABINET & (1) UTP-6
- PER CAMERA TO (E) DVR AT (E) TR ROOM (NOTE #1 ON E1.0) -DAISY-CHAINING OF CONDUIT BETWEEN DEVICE IS ACCEPTABLE.
- 9. (N) POS IP CONNECTION -1-GANG OUTLET ROUTE (N) 1"C TO "TC-1" CABINET W/ (2) UTP6-4 TO (E) PATCH PANEL AT (E) TR ROOM (NOTE #1 ON E1.0).
- 10. (N) POS IP CONNECTION & LOCATION OF POS SERVER -2-GANG OUTLET ROUTE (N) 2-1"C TO "TC-1" CABINET W/ (2) UTP6-4 TO (E) PATCH PANEL AT (E) TR ROOM (NOTE #1 ON E1.0) AS WELL AS UTP6-4 FROM NOTE #7 ABOVE -PROVIDE ADDITIONAL OUTLET SHOULD TOTAL BENDS EXCEED 270 DEGREES NEAR POS RISER AT
- 11. (N) PANIC BUTTON LOCATION FIELD LOCATE W/STAFF -(N) 1 GANG OUTLET ABOVE DATA W/ 3/4"C & (1) UTP6-4 CABLE LOOPS BETWEEN BUTTONS VIA 1"C FROM NOTE #9 ABOVE -ROUTE CABLE TO (E) TR ROOM (NOTE #1 ON E1.0).
- 12. RE-PULL (E) CKT #IL4-32 THRU (E) RACEWAY AS REQD.
- 13. INSTALL CKT. 1L4-32 THROUGH (E) RACEWAY TO (E) ELECTRICAL ROOM.
- 14. INSTALL BLANK COVERS W/ GASKETS & REMOVE (E) DEVICES -COORDINATE WORKABLE ACCESS W/ CASEWORK VENDOR.
- 15. (N) 2.5"C (RIGID AL) RISER FROM 3RD FLR ABOVE -INSTALL PULLING "C" BODY
- IMMEDIATELY ABOVE (N) WALL AT CAFÉ -ROUTE IN WALL TO (N) PANELS. 16. (N) 2.5"C (RIGID AL) RISER FROM 3RD FLOOR ABOVE -INSTALL PULLING "C" BODY
- IMMEDIATELY ABOVE (N) WALL AT CAFÉ -ROUTE INTO SLAB (PVC SCH. 40) TO "TC-1". 17. COORDINATE w/ FOOD SERVICE DWGS. FOR FLOOR MARKING OF REQD. C.E.C. 110-26 WORKING CLEARANCE ON FLOOR (30" WIDE x 36" DEEP).

GENERAL ELECTRICAL NOTES:

- SEE FS2.0 FOR EXACT MOUNTING HEIGHTS & LOCATIONS AS WELL AS EXACT WIRING CONFIGURATION AT THE DEVICE.
- 2. COORDINATE CONDUIT ROUTING W/ PLUMBING & SAW-CUTTING CONTRACTORS.

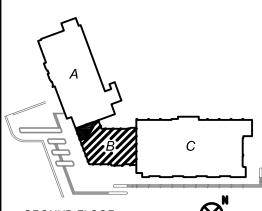


University of California Merced, California

INTERIOR ARCHITECTURE & DESIGN

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GROUND FLOOR ARCHITECT

C-26487 05.31.18

ENGINEER

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PROJECT #: UCMERC 041017

PROPOSED POWER & SIGNAL PLAN

E1.1

SCALE: 3/8"=1'-0"

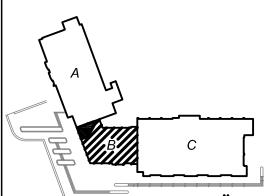
LIGHTING FIXTURE SCHEDULE								
DESIG.	SYMBOL	LAMP	DESCRIPTION	MANUFACTURER				
		QTY/WATTS						
A		LED 2363 Im 64W.	LED UNDERSHELF LIGHT w/ REMOTE DRIVER— 4100k, 80CRI LED—120VAC w/ 0—10V. DIMMER— 8' LONG	MP LIGHTING #L101-N-96"-S2-W41K-W-T-D- MA w/ TLDAV100W24, TLC010i & EBX-260-ZP				
(A1)		LED 1182 lm 32W.	LED UNDERSHELF LIGHT w/ REMOTE DRIVER— 4100k, 80CRI LED—120VAC w/ 0—10V. DIMMER— 4' LONG	MP LIGHTING #L101-N-48"-S2-W41K-W-T-D- MA w/ TLDAV100W24, TLC010i & EBX-260-ZP				
B		LED 154 lm 4W.	3"D. LED FLUSH PUCK LIGHT— 4100k, 890CRI LED—120VAC w/ 0—10 VDC DRIVER FOR ENTIRE CKT.	MP LIGHTING #L57-F-3-W41S-F-NA-D-MA w/ TLDAV60W12V, TLC010i & EBX- 260-ZP				
©	0	LED 2700 lm 28W.	8" SURFACE CYLINDER WHITE— MED THROW 0—10V. DRIVER	JUNO #LCBS-23LM-35K-MVOLT-W-G3- 90CRI-ZT-HM-CSS				





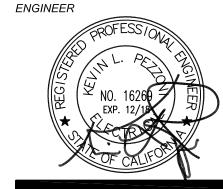
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GROUND FLOOR





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FOR ENGINEERING	05.17.1
UPDATED FINAL	04.17.1
UPDATED PRELIM	04.12.1
PRELIMINARY	04.10.1

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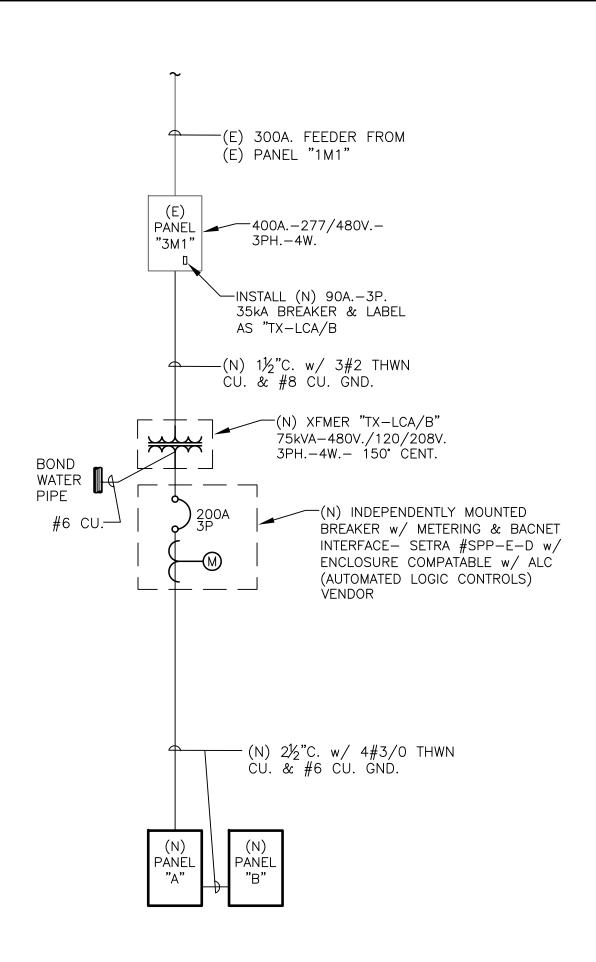
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PROJECT #: UCMERC_041017

LIGHTING PLAN

E2.0



PARTIAL SINGLE LINE DIAGRAM

SCALE: NONE

- ELECTRICAL ENCLOSURE - TYPICAL FOR PANELBOARDS, T.C.'s, ETC.-24"W.x42"H.x8"D. MAX. SIZE & 200LBS. MAX. WEIGHT BOLT EACH CORNER THRU FACTORY -MOUNTING HOLES TO STRUT W/ 3/8" BOLTS & LOCK WASHERS-TYPICAL (N) WALL STUDS- TYPICAL-1 5/8" x 1" x 12Ga. GALV. STRUT—— 40" MAX. 2 EACH TO SPAN (E) STUDS AT SPACING WALL BEHIND STEEL CONSTRUCTION: -SECURE TO STRUCTURAL 16GA. GALV. STEEL STUD W/ 6 #10 SHEET METAL SCREWS- MIN. OF 3 PER STRUT W/ 1 1/2" SPACING - TYPICAL

ELEVATION

SURFACE PANEL MOUNTING - TYPICAL SCALE: N.T.S.



PARTIAL ELECTRICAL PLAN - 3RD FLOOR

SCALE: 1/8"=1'-0"

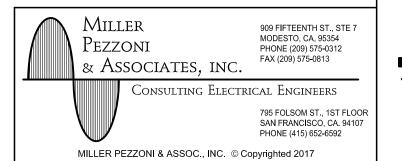
SYMBOL ## ELECTRICAL PLAN NOTES:

- 1. INSTALL (N) BREAKER PER SINGLE LINE DIAGRAM.
- 2. ROUTE (N) 1.5"C. OVERHEAD WITHIN ROOM TO (N) XFMER "TX-LCA/B". 3. INSTALL (N) XFMER PER DETAIL 3/E4.0- BOND EGC TO ADJACENT WATER PIPE W/ 1/2"C. &
- THROUGH WALL PENETRATION— INSTALL PER DETAIL 1/E4.0.
- 4. (N) SECONDARY DISCONNECT -INDIVIDUALLY MOUNTED BREAKER W/ 2.5" LFMC W/ 4#3/0 THWN CU. & #6 CU. GND.- INSTALL PER DETAIL 3/E3.0.
- 5. ROÜTE (N) SECONDARY FEEDER WITHIN ATTIC SPACE -COORDINATE ROUTING IN FIELD WITH EXISTING
- 6. (N) CLG. MOUNTED J-BOX INSTALLED PER DETAIL 4/E4.0.
- 7. (N) 2.5"C. STUBBED 12" PAST (E) WALL WITHIN ATTIC SPACE FOR (F) TELE/DATA TO CAFÉ BELOW. 8. ROUTE (N) 2.5" PWR & COMM CONDUITS WITHIN ATTIC SPACE W/ (2) 90DEG SWEEPS & KICKER TO
- TRANSITION INTO (E) WALL -ROUTE ON TRAPEZE HANGER.
- 9. PRIOR TO PENETRATING DECK TRANSITION (2) 2.5"C. TO RIGID ALUM. CONDUIT TO FURRED OUT WALL AT CAFÉ BELOW -ATTACH TO WALL WITH 2-HOLE STRAP w/ MASONARY SCREWS.

CONDITIONS & BUILDING OCCUPANTS -ASSUME AFTER HOUR WORK FOR INSTALLATION.

BID ALTERNATE #1:

FROM ROOM "U3-1" (3RD IDF) ROUTE (6) CAT-6 CABLES VIA (E) PATHWAYS & (N) J-HOOKS AS MAYBE REQUIRED TO NOTE 7 ON THIS SHEET. ROUTE DOWN THE (N) 2.5"C & DISTRIBUTE (2) CAT-6 CABLES TO EACH OF THE POINT OF SALE LOCATIONS ON THE 1ST FLOOR (SEE SHEET E1.1, NOTES 9 & 10). COORDINATE FINAL REQUIREMENTS WITH UNIVERSITY'S IT DEPT.



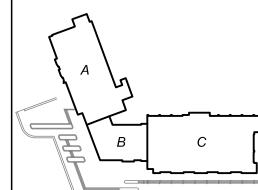


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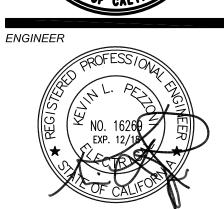
INTERIOR ARCHITECTURE & DESIGN **CAFE DESIGN** & architecture commercial - retail - technical interiors

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GROUND FLOOR ARCHITECT



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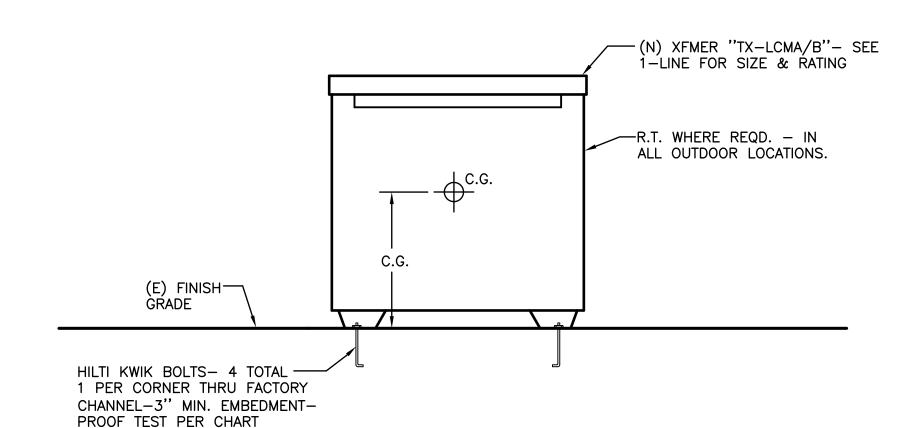
PROJECT #: UCMERC 041017 SHEET TITLE

3RD FLOOR ELECTRICAL PLAN

E3.0

TRAN	NSFOR	MER	DATA		HILTI INFO	
XFMER. SIZE	C.G.	w.	D.	WT.	SIZE	TEST *
75	18"	30"	20"	500 LBS.	3/8"	1150#

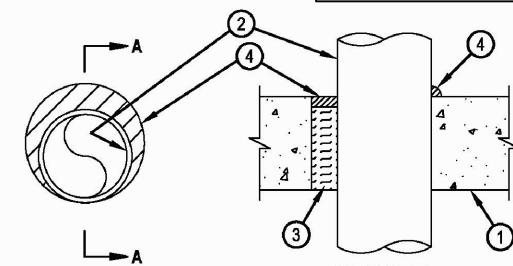
* TEST AT 50% OF TENSION TO VALUES SHOWN DATA BASED UPON SQUARE-D 7400 Cu G.P. XFMER



(N) DRY TYPE TRANSFORMER @ (E) SLAB FLOOR SCALE: N.T.S.



System No. C-AJ-1149 ANSI/UL1479 (ASTM E814) CAN/ULC S115 F Rating — 2 Hr F Rating —2 Hr Γ Rating — 0 Hr FT Rating — 0 Hr L Rating At Ambient — Less Than 1 CFM/sq ft FH Rating — 2 Hr FTH Rating — 0 Hr L Rating At 400 F — 4 CFM/sq ft L Rating At Ambient - Less Than 1 CFM/sq ft W Rating — Class 1 (See Item 4) L Rating At 400 F — 4 CFM/sq ft



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks *. Max diam of opening is 12 in. (305 mm).

SECTION A-A

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrants — One metallic pipe, conduit or tubing to be installed within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The annular space shall be 0 in. (point contact) to max 1-1/4 in. (32 mm). The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe — Nom 10 in. (254 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe — Nom 10 in. (254 mm) diam (or smaller) cast or ductile iron pipe.

C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or steel conduit.

D. Copper Tubing — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing. E. Copper Pipe — Nom 4 in. (102 in.) diam (or smaller) Regular (or heavier) copper pipe.

B. Packing Material — Min 3 in. (76 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation for nom 4 in. diam (and smaller) pipes, conduits or tubings and a min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation for pipe greater than nom 4 in. diam, firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall to accommodate the required thickness of fill material.

4. Fill, Void or Cavity Material* — Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with the top surface of floor or both surfaces of wall. At the point of contact location between pipe and concrete, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the concrete/pipe interface on the top surface of floor and on both surfaces of wall. W Rating applies only when CFS-S SIL GG, CFS-S SIL SL (floors only), CP601S, CP604 sealant or FS-ONE MAX Intumescent Sealant is used. For W Rating when FS-ONE MAX is used, packing material to be a min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S, CP604, CFS-S SIL GG, CFS-S SIL SL (floors only), CP606 or FS-ONE Sealant or FS-ONE MAX Intumescent Sealant.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),



Hilti Firestop Systems

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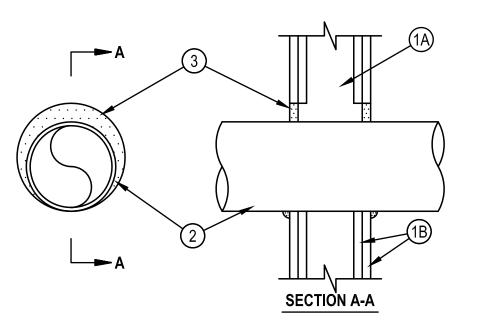
RATED DECK PENETRATION CAJ-1149

SCALE: NONE

System No. W-L-1054



	ANSI/UL1479 (ASTM E814)	CAN/ULC S115	
	F Ratings —1 and 2 Hr (See Items 1 and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)	
ŀ	T Rating — 0 Hr	FT Rating — 0 Hr	
	L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings —1 and 2 Hr (See Items 1 and 3)	
	L Rating at 400 F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr	
		FTH Rating — 0 Hr	
		L Rating at Ambient — Less Than 1 CFM/sq ft L Rating at 400 F — Less Than 1 CFM/sq ft	



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.

B. Gypsum Board* — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. for steel stud walls. Max diam of opening is 14-1/2 in. for wood stud walls.

The F Rating of the firestop system is equal to the fire rating of the wall assembly.

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. Pipe may be installed with continuous point contact. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe — Nom 30 in diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe — Nom 30 in. diam (or smaller) cast or ductile iron pipe.

C. Conduit — Nom 4 in diam (or smaller) steel electrical metallic tubing or 6 in. diam steel conduit.

D. Copper Tubing — Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing. E. Copper Pipe — Nom 6 in. diam (or smaller) regular (or heavier) copper pipe.

3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant

*Bearing the UL Classification Mark

Hilti Firestop Systems

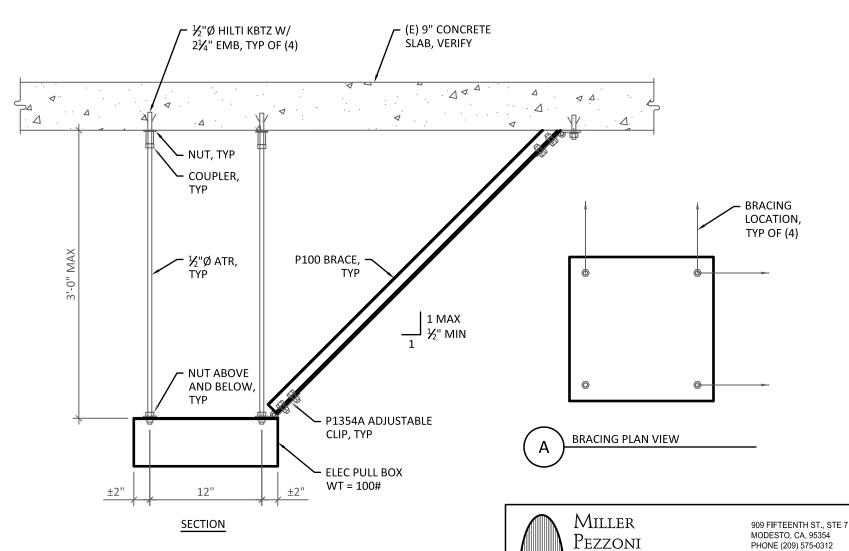
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Assembly shown shall conform with U.L. #WL-1054 in the U.L. Fire Directory- A current edition of the U.L. Fire Directory shall be made available on the jobsite at all times.



RATED WALL PENETRATION WL-1054

SCALE: NONE



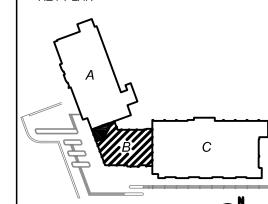


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INTERIOR ARCHITECTURE & DESIGN

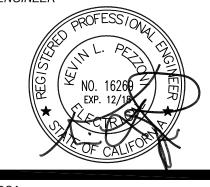
Maricopa, Arizona - San Francisco, California p: 925.216.1782 f:707.361.0953



GROUND FLOOR



ENGINEER



D.S.A. SUBMITTAL UC FACILITIES REVIEW 06.06.17 PROGRESS SUBMITTAL 05.23.17 FOR ENGINEERING 05.17.17 UPDATED FINAL 04.17.17 UPDATED PRELIM 04.12.17

04.10.17

PRELIMINARY

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Cafe Remodel

PROJECT #: UCMERC 041017

ELECTRICAL DETAILS

E4.0