

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

KEY PLAN

GROUND FLOOR

ARCHITECT

LICENSED ARCHITECT

LLOYD L. DESBRIS

C-26487

05.31.16

STATE OF CALIFORNIA

ENGINEER

DSAA# 02-115975

DATES

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

SITE PLAN & PATH OF TRAVEL

OF TRAVEL

SHEET NO.

1 SITE PLAN & PATH OF TRAVEL

SCALE: 1/32" = 1'-0"

ANSI D STANDARD SIZE SHEET - PLOT 100% NO SCALING ON 22 X 34

DWG REF: A0.1.DWG

A0.1

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CALIFORNIA GREEN BUILDINGS STANDARDS CODE - NON-RESIDENTIAL MANDATORY MEASURES

5.504.5.3 FILTERS

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 FILTERS OF THE SAME VALUE IN THE (O&M).

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL

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

5.505.1 INDOOR MOISTURE CONTROL

SEE MECHANICAL PLANS FOR VENTILATION INFORMATION.

5.506.1 OUTSIDE AIR DELIVERY

SEE MECHANICAL PLANS FOR VENTILATION INFORMATION.

5.506.2 CARBON DIOXIDE (CO2) MONITORING

N/A.

5.507.4 ACOUSTICAL CONTROL

N/A.

5.507.4.3 INTERIOR SOUND TRANSMISSION

N/A.

5.508.1 OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS

INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFCs OR HALONS.
SEE MECHANICAL PLANS FOR SELECTED EQUIPMENT.

5.508.2 SUPERMARKET REFRIGERANT LEAK REDUCTION

N/A.

5.508.2.3 REFRIGERATED SERVICE CASES

N/A.

5.504.4.1 ADHESIVES, SEALANTS AND CAULKS

TABLE 5.504.4.1
ADHESIVE VOC LIMIT
LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS PER LITER

APPLICATIONS	CURRENT VOC LIMIT
ARCHITECTURAL APPLICATIONS	
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVE	150
WOOD FLOORING ADHESIVE	100
RUBBER FLOORING ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT AND ASPHALT TILE ADHESIVES	50
DRYWALL AND PANEL ADHESIVES	50
COVE BASE ADHESIVES	70
MULTIPURPOSE CONSTRUCTION ADHESIVES	50
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVE NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP AND TROW ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

TABLE 5.504.4.2
SEALANT VOC LIMIT
LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS PER LITER

SEALANT	CURRENT VOC LIMIT
SEALANT	
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLEPLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL – NONPOROUS	250
ARCHITECTURAL – POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

SEE SPECIFICATIONS.

5.504.4.3 PAINTS AND COATINGS

TABLE 5.504.4.3
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS
GRAMS OF VOC PER LITER OF COATINGS
LESS WATER AND LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT LIMIT
COATINGS	
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
LOW SOLIDS COATINGS (1)	120
MARINE/ESTER GEMENT COATINGS	450
WASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS AND UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS - CLEAR	230
SHELLACS - OPAQUE	550
SPECIALTY PRIMERS, SEALERS, AND UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB AND TILE REFRESH COATINGS	340
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

5.504.4.3.1 AEROSOL PAINTS AND COATINGS

SEE SPECIFICATIONS.

5.504.4.4 CARPET SYSTEMS

5.504.4.4.1 CARPET CUSHION

5.504.4.4.2 CARPET ADHESIVE

SEE SPECIFICATIONS.

5.504.4.5 COMPOSITE WOOD PRODUCTS

TABLE 5.504.4.5
FORMALDEHYDE LIMITS
MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD	0.13

SEE SPECIFICATIONS.

5.504.4.6 RESILIENT FLOORING SYSTEM

SEE SPECIFICATIONS.
GENERAL CONTRACTOR TO PREPARE VERIFICATION DOCUMENTS UPON REQUEST.

5.304 OUTDOOR WATER USE

5.304.1 WATER BUDGET

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

5.304.2 OUTDOOR POTABLE WATER USE

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

5.304.3.1 IRRIGATION CONTROLLERS

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

DIVISION 5.4 - MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

5.407.1 WEATHER PROTECTION

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

5.407.2 MOISTURE CONTROL

5.407.2.1 SPRINKLERS

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

5.407.2.2.1 EXTERIOR DOOR PROTECTION

5.407.2.2.2 FLASHING

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

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1.1 CONSTRUCTION WASTE MANAGEMENT PLAN

5.408.1.2 WASTE MANAGEMENT COMPANY

5.408.1.3 WASTE STREAM REDUCTION ALTERNATIVE

5.408.1.4 DOCUMENTATION

GENERAL CONTRACTOR TO DEVELOP CONSTRUCTION WASTE MANAGEMENT PLAN PRIOR TO THE START OF CONSTRUCTION.
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 ACCESSIBLE DURING CONSTRUCTION FOR EXAMINATION BY THE ENFORCING AGENCY.

5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS

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

SECTION 5.410 BUILDING MAINTENANCE AND OPERATION

5.410.1 RECYCLING BY OCCUPANTS

SEE SHEET A0.5 FOR RECYCLING AREAS.
GENERAL CONTRACTOR TO ENSURE RECYCLING AREA COMPLIES WITH DIVISION 30 OF THE PUBLIC RESOURCES CODE, CHAPTER 18, PART 3.

5.410.2 COMMISSIONING

THIS BUILDING REQUIRES COMMISSIONING.

5.410.2.1 OWNER'S OR OWNER REPRESENTATIVE'S PROJECT REQUIREMENTS (OPR)
5.410.2.2 BASIS OF DESIGN (BOD)

OPR AND BOD TO BE PROVIDED UNDER SEPARATE COVER.

5.410.2.3 COMMISSIONING PLAN

THE COMMISSIONING AGENT TO PREPARE THE COMMISSIONING PLAN AND SUBMIT TO THE OWNER AND ENFORCING AGENCY.

5.410.2.4 FUNCTIONAL PERFORMANCE TESTING

GENERAL CONTRACTOR TO DEVELOP AND IMPLEMENT FUNCTIONAL PERFORMANCE TESTING REPORT.

5.410.2.5.1 SYSTEMS MANUAL

GENERAL CONTRACTOR TO DEVELOP THE SYSTEMS MANUAL AND DELIVER TO THE BUILDING OWNER.

5.410.2.5.2 SYSTEMS OPERATIONS TRAINING

GENERAL CONTRACTOR TO DEVELOP A PROGRAM FOR TRAINING OF THE APPROPRIATE MAINTENANCE STAFF FOR EACH EQUIPMENT TYPE AND/OR SYSTEM. THE TRAINING PROGRAM TO BE DOCUMENTED IN THE COMMISSIONING REPORT.

5.410.2.6 COMMISSIONING REPORT

THE COMMISSIONING AGENT TO DEVELOP A COMMISSIONING REPORT TO DOCUMENT THE COMMISSIONING PROCESS AND TEST RESULTS.

DIVISION 5.5 - ENVIRONMENTAL QUALITY

5.503 FIREPLACES

N/A

5.503.1.1 WOODSTOVES

N/A

5.504.1.3 TEMPORARY VENTILATION

THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING OR AREAS OF ADDITION OR ALTERATION WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN 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 52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY, OR THE BUILDING IS OCCUPIED DURING ALTERATION, AT THE CONCLUSION OF CONSTRUCTION.

5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION

AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.

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 TO THE ENFORCING AGENCY.

5.504.4 FINISH MATERIAL POLLUTANT CONTROL

FINISH MATERIALS SHALL COMPLY WITH SECTIONS 5.504.4.1 THROUGH 5.504.4.4. SEE SPECIFICATIONS.

5.106.5.3 ELECTRIC VEHICLE (EV) CHARGING

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED EV CHARGING SPACES
0-50	0
51-75	1
76-100	2
101-200	3
201 AND OVER	3%

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

5.106.8 LIGHT POLLUTION REDUCTION

TABLE 5.106.8
MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS

ALLOWABLE RATING	LIGHTING ZONE 1	LIGHTING ZONE 2	LIGHTING ZONE 3	LIGHTING ZONE 4
MAXIMUM ALLOWABLE BACKLIGHT RATINGS				
LUMINAIRE GREATER THAN 2' MOUNTING HEIGHTS (MH) FROM PROPERTY LINE	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
LUMINAIRE BACK HEMISPHERE IS 1 - 2 MH FROM PROPERTY LINE	B2	B3	B4	B4
LUMINAIRE BACK HEMISPHERE IS 0.5 - 1 MH FROM PROPERTY LINE	B1	B2	B3	B3
LUMINAIRE BACK HEMISPHERE IS LESS THAN 0.5 MH FROM PROPERTY LINE	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING				
FOR AREA LIGHTING	U0	U0	U0	U0
FOR ALL OTHER OUTDOOR LIGHTING, INCLUDING DECORATIVE LUMINAIRES	U1	U2	U3	U4
MAXIMUM ALLOWABLE GLARE RATINGS				
LUMINAIRE GREATER THAN 2' (MH) FROM PROPERTY LINE	G1	G2	G3	G4
LUMINAIRE BACK HEMISPHERE IS 1 - 2 MH FROM PROPERTY LINE	G0	G1	G1	G2
LUMINAIRE BACK HEMISPHERE IS 0.5 - 1 MH FROM PROPERTY LINE	G0	G0	G1	G1
LUMINAIRE BACK HEMISPHERE IS LESS THAN 0.5 MH FROM PROPERTY LINE	G0	G0	G0	G1

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 SUBMITTERS 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

FIXTURE TYPE	BASELINE FLOW RATE	DURATION	DAILY USES	OCCUPANTS
SHOWERHEADS	2.0 GPM @ 80 PSI	5 MIN.	1	X ^{2a}
LAVATORY FAUCETS, NONRESIDENTIAL	0.5 GPM @ 80 PSI	0.25 MIN.	3	X
KITCHEN FAUCETS	2.2 GPM @ 80 PSI	4 MIN.	1	X ^{2b}
REPLACEMENT AERATORS	2.2 GPM @ 80 PSI			X
WASH FOUNTAINS	2.2 [RW SPACE (N)/20 GPM @ 80 PSI]			X
METERING FAUCETS	0.25 GALLONS/ CYCLE	0.25 MIN.	3	X
METERING FAUCETS FOR WASH FOUNTAINS	0.25 [RW SPACE (N)/20 GPM @ 80 PSI]	0.25 MIN.		X
GRAVITY TANK-TYPE WATER CLOSETS	1.28 GALLONS/FLUSH	1 FLUSH	1 MALE ¹ 3 FEMALE ¹	X
FLUSHMETER TANK WATER CLOSETS	1.28 GALLONS/FLUSH	1 FLUSH	1 MALE ¹ 3 FEMALE ¹	X
FLUSHMETER VALVE WATER CLOSETS	1.28 GALLONS/FLUSH	1 FLUSH	1 MALE ¹ 3 FEMALE ¹	X
ELECTROMECHANICAL HYDRAULIC WATER CLOSETS	1.28 GALLONS/FLUSH	1 FLUSH	1 MALE ¹ 3 FEMALE ¹	X
URINALS	0.5 GALLONS/FLUSH	1 FLUSH	2 MALE	X

FIXTURE TYPE	MAXIMUM FLOW RATE
KITCHEN FAUCETS	1.8 GPM @ 80 PSI
WASH FOUNTAINS	1.8 [RW SPACE (N)/20 GPM @ 80 PSI]
METERING FAUCETS	0.20 GALLONS/CYCLE
METERING FAUCETS FOR WASH FOUNTAINS	1.8 [RW SPACE (N)/20 GPM @ 80 PSI]

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 CHAPTER 6 OF THIS CODE.

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 NOTED.
- WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION, ANY THIRD PARTY COMMISSIONING AGENT AND/OR SPECIAL INSPECTORS REQUIRED TO PROVIDE 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. 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

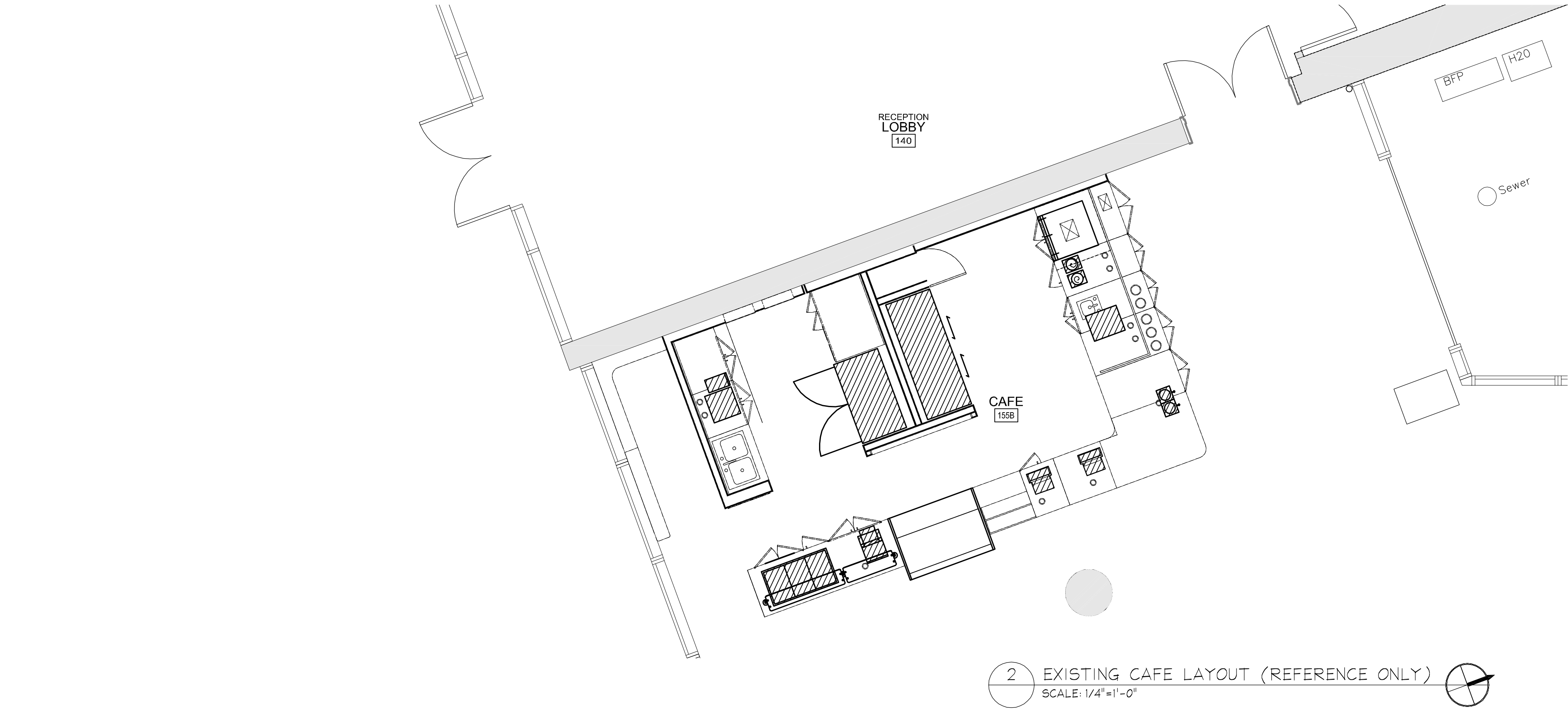
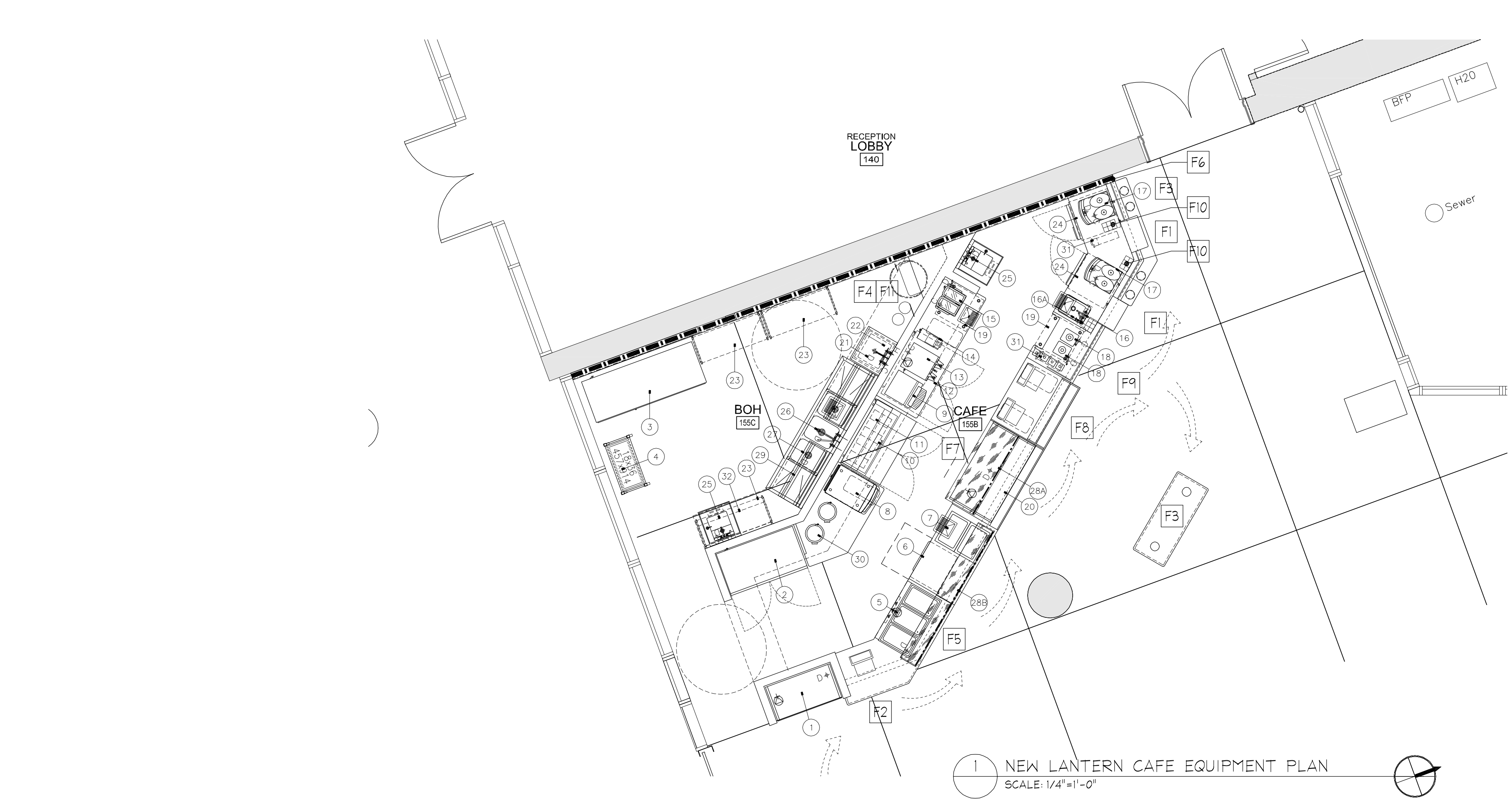
INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS

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:

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



EQUIPMENT & FIXTURES					NEW EQUIPMENT PROVIDED BY U.C.	
Item No	Qty	Equipment Category	Manufacturer	Model Number	EXISTING EQUIP. PLACED BY G.C.	INSTALLED BY G.C. & VENDOR
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	HFV-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	●	
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	●	
19	2	Ice Maker w/ Bin	Ice-O-Matic	ICEU220HA	●	MILL/PLUMB ●
20	1	Refrigerated Self-Service Case	Structural Concepts	C053R-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	314-16-3-24	●	PLUMBING ●
28A	1	LED Display Light / Sneeze Guard	Advance Tabco (plug by MFG)	LED-G-60	●	MILL/ELEC ●
28B	2	Dishtable, Sorting Shelf	Advance Tabco	LED-G-48	●	CARPENTRY ●
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.

F7

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.

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

KEY PLAN

GROUND FLOOR

ARCHITECT

ENGINEER

DSA A# 02-115975

DATES

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

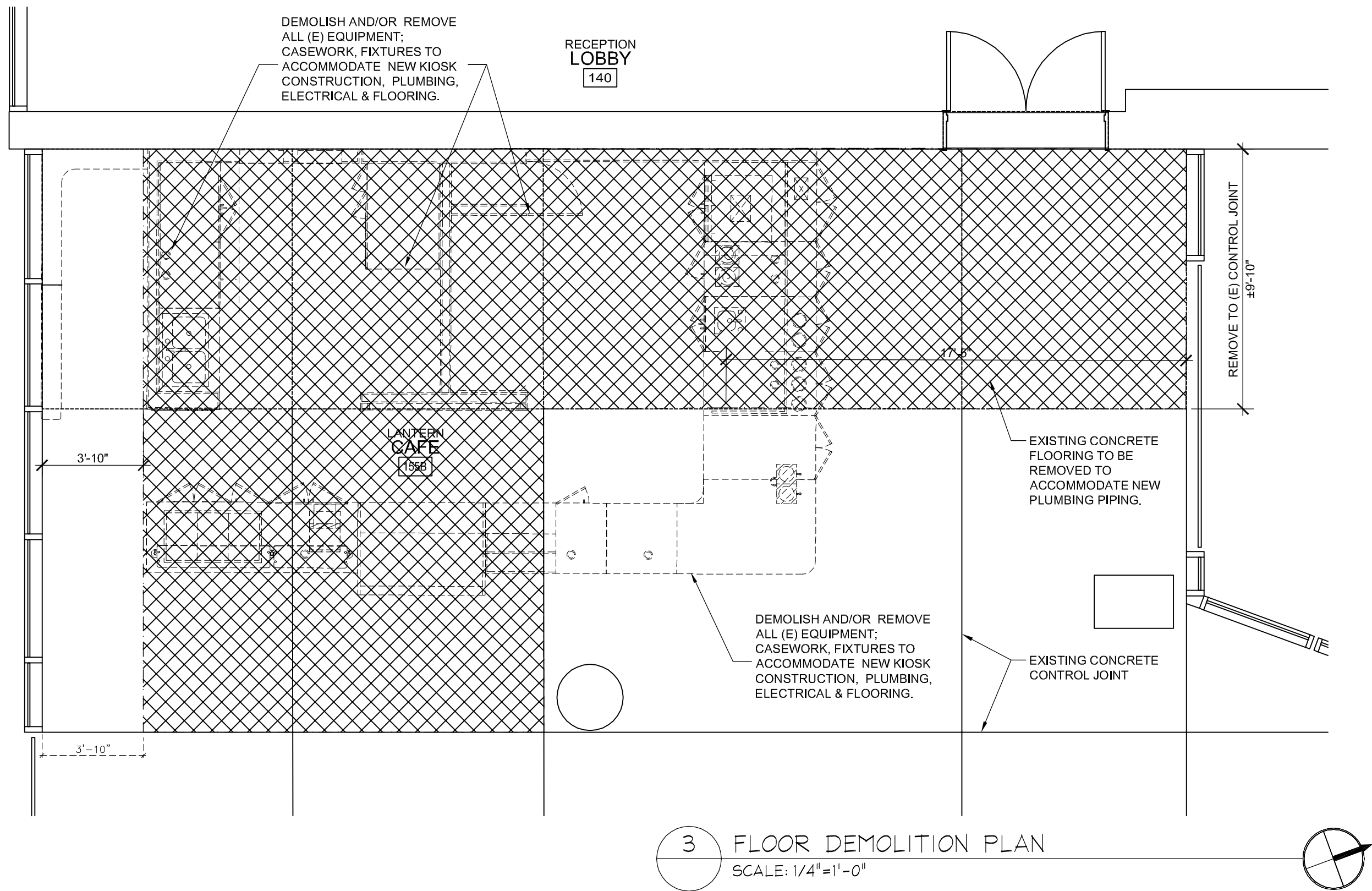
SHEET TITLE

EQUIPMENT
LAYOUT

SHEET NO.

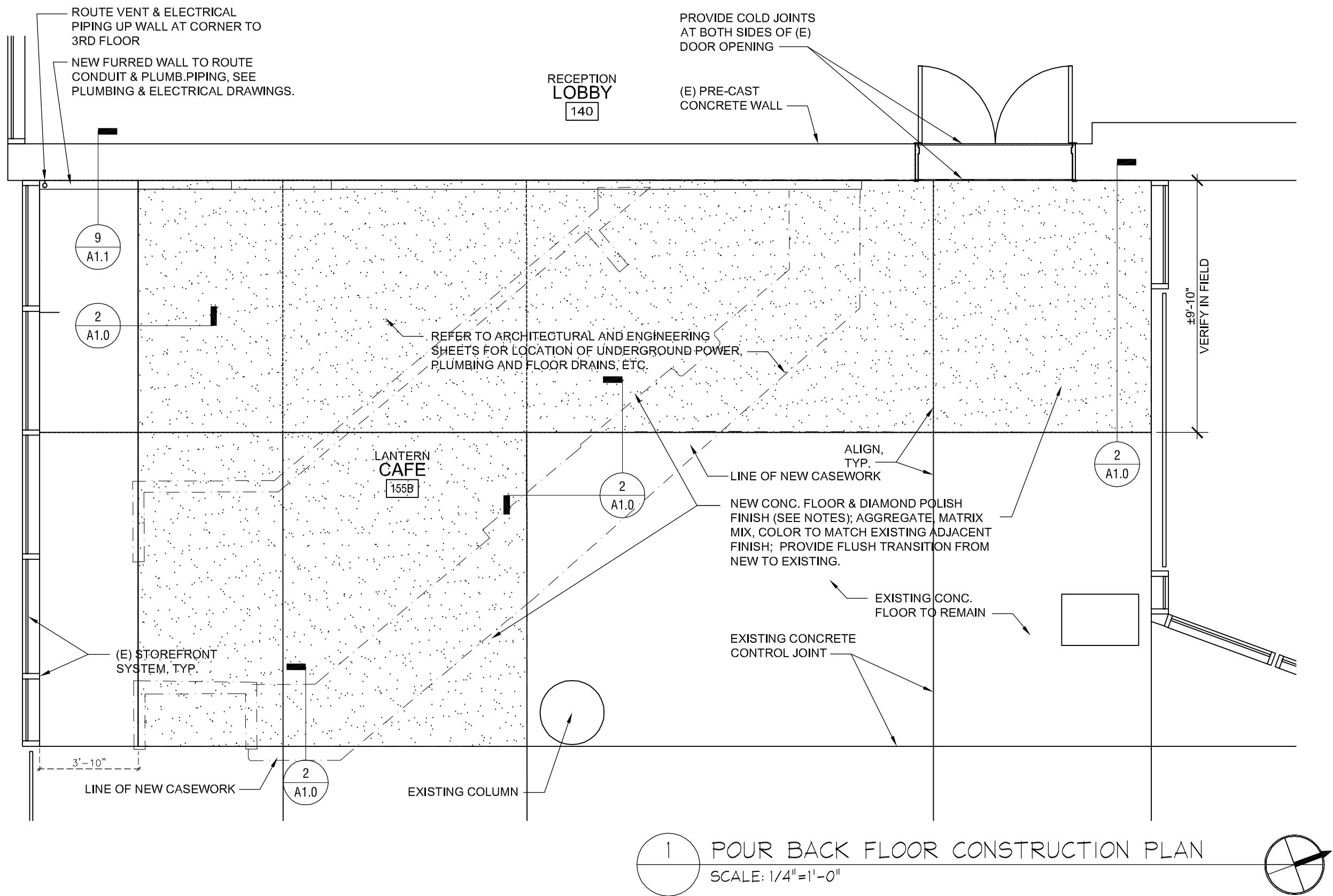
ANSI D STANDARD SIZE SHEET - PLOT 100% NO SCALING ON 22 X 34

FS1.0



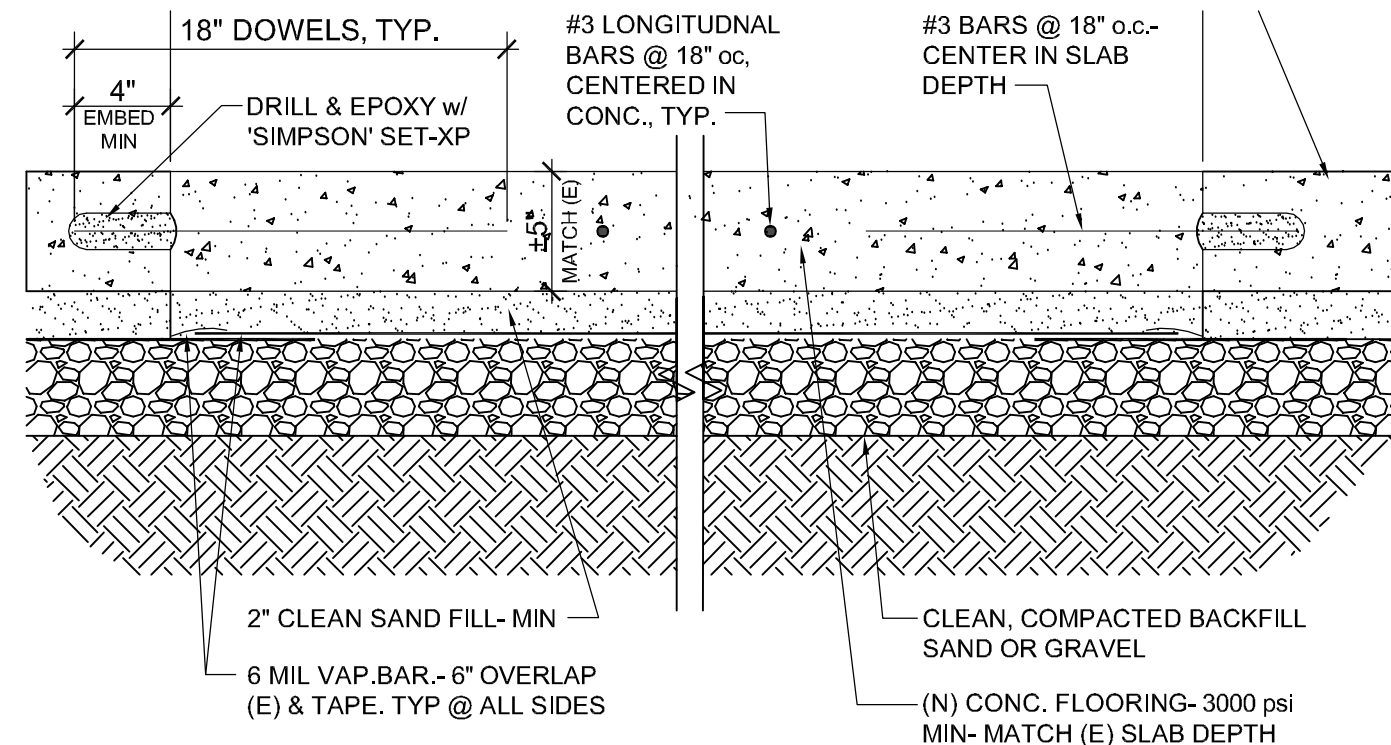
3 FLOOR DEMOLITION PLAN
SCALE: 1/4"=1'-0"

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.

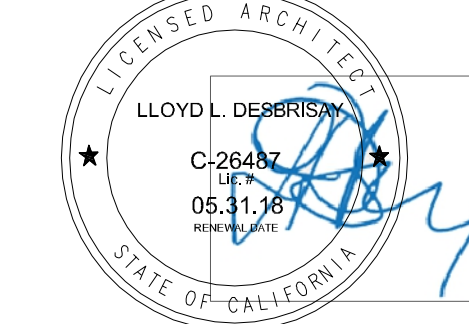
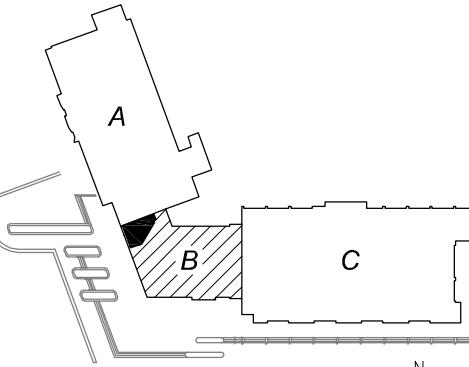


1 POUR BACK FLOOR CONSTRUCTION PLAN
SCALE: 1/4"=1'-0"

- DIAMOND POLISHED FLOOR SYSTEM:
- 1) 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 THAN 1/8" 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 PROOF TO PROTECT AGAINST STAINING."
 - 10) ALL EDGES TO BE HAND POLISHED TO WITHIN A 1/4" °OF WALLS.
 - 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.



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



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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PROJECT

W 22 X 3
UC Merced
LIBRARY LANTERN CAFE

5200 N. Lake Road
Merced, California 95343

Cafe Remodel

PROJECT #: UCMERC 041017

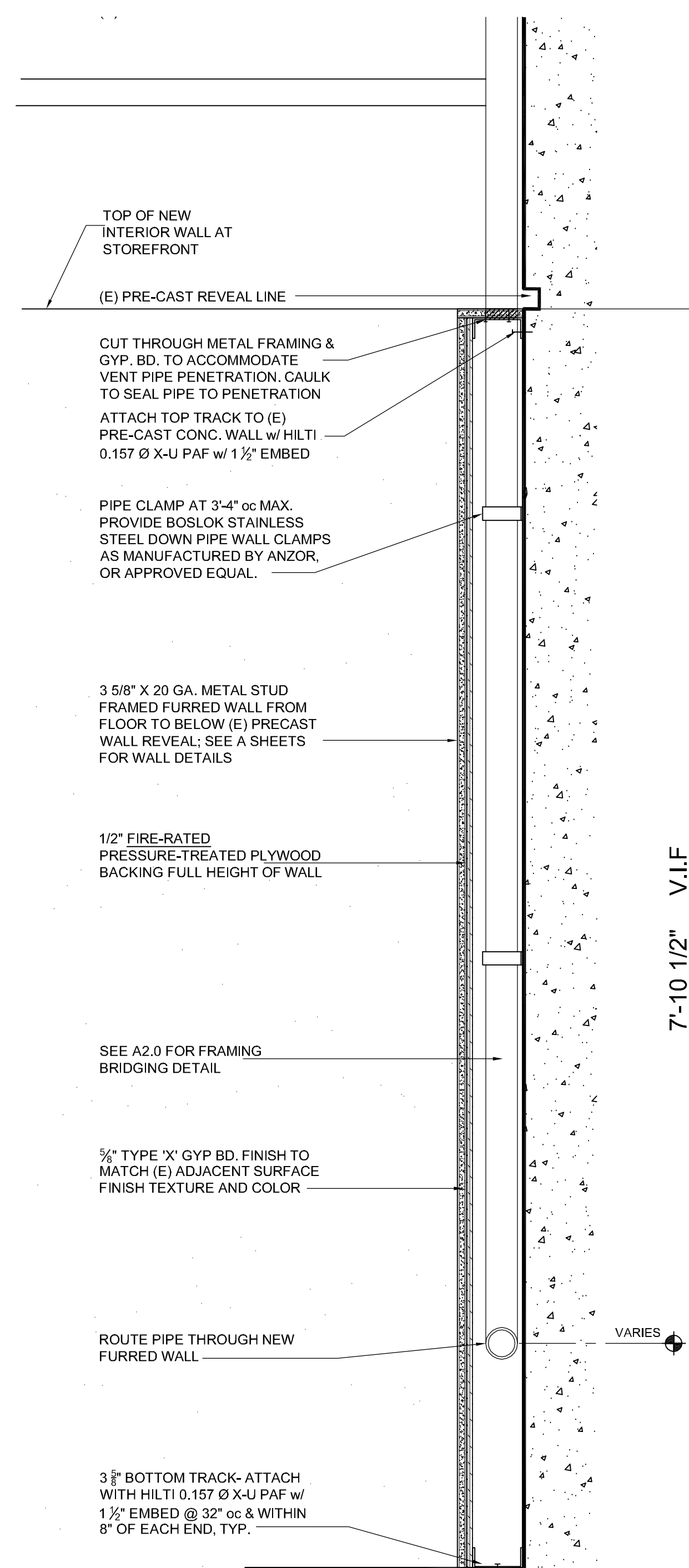
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RD SIZE SHEET - 1 / SHEET TITLE

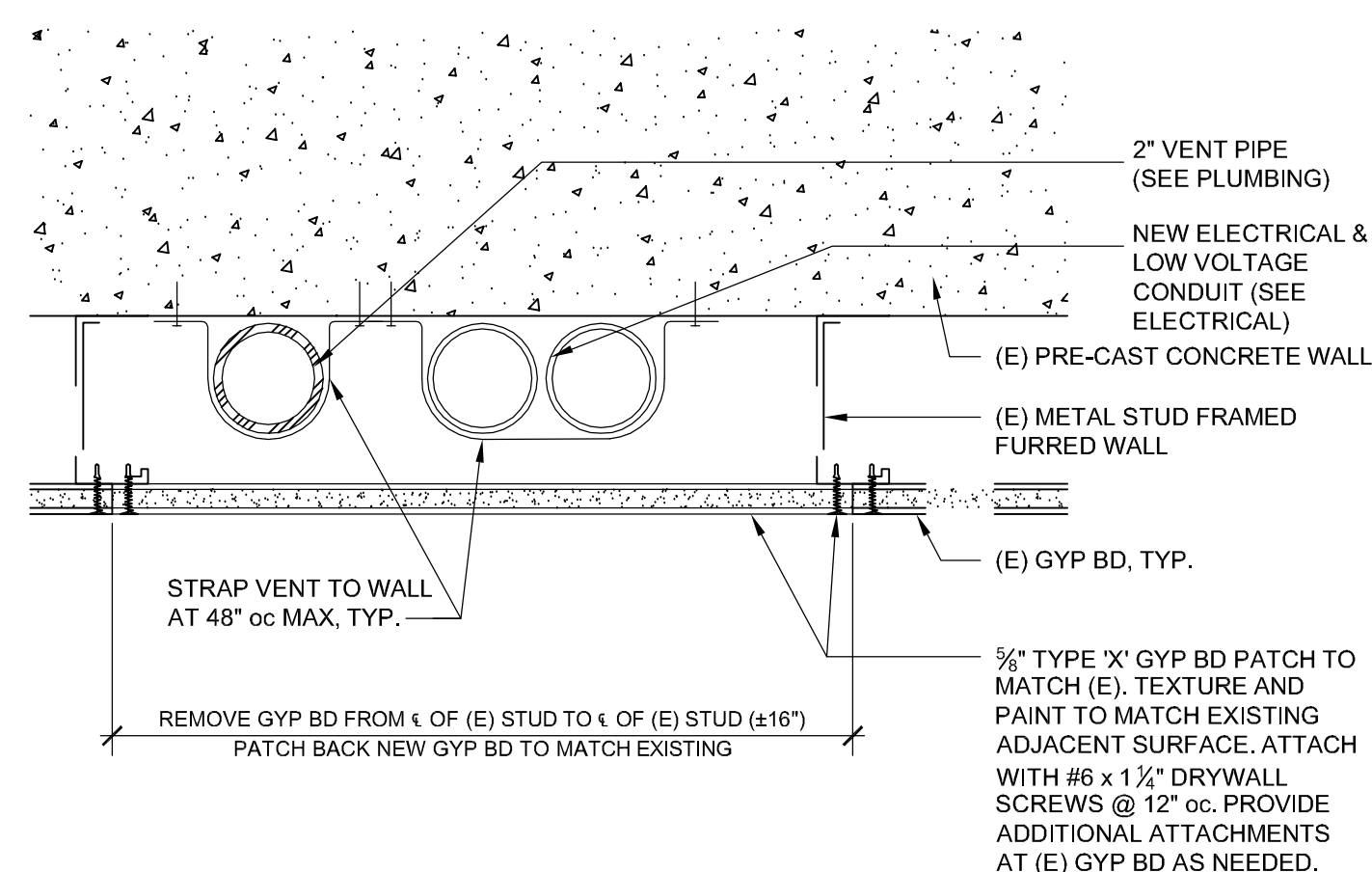
VENT PIPE &
CONDUIT
PLAN
& DETAILS

AND [REDACTED]
SHEET NO. [REDACTED]

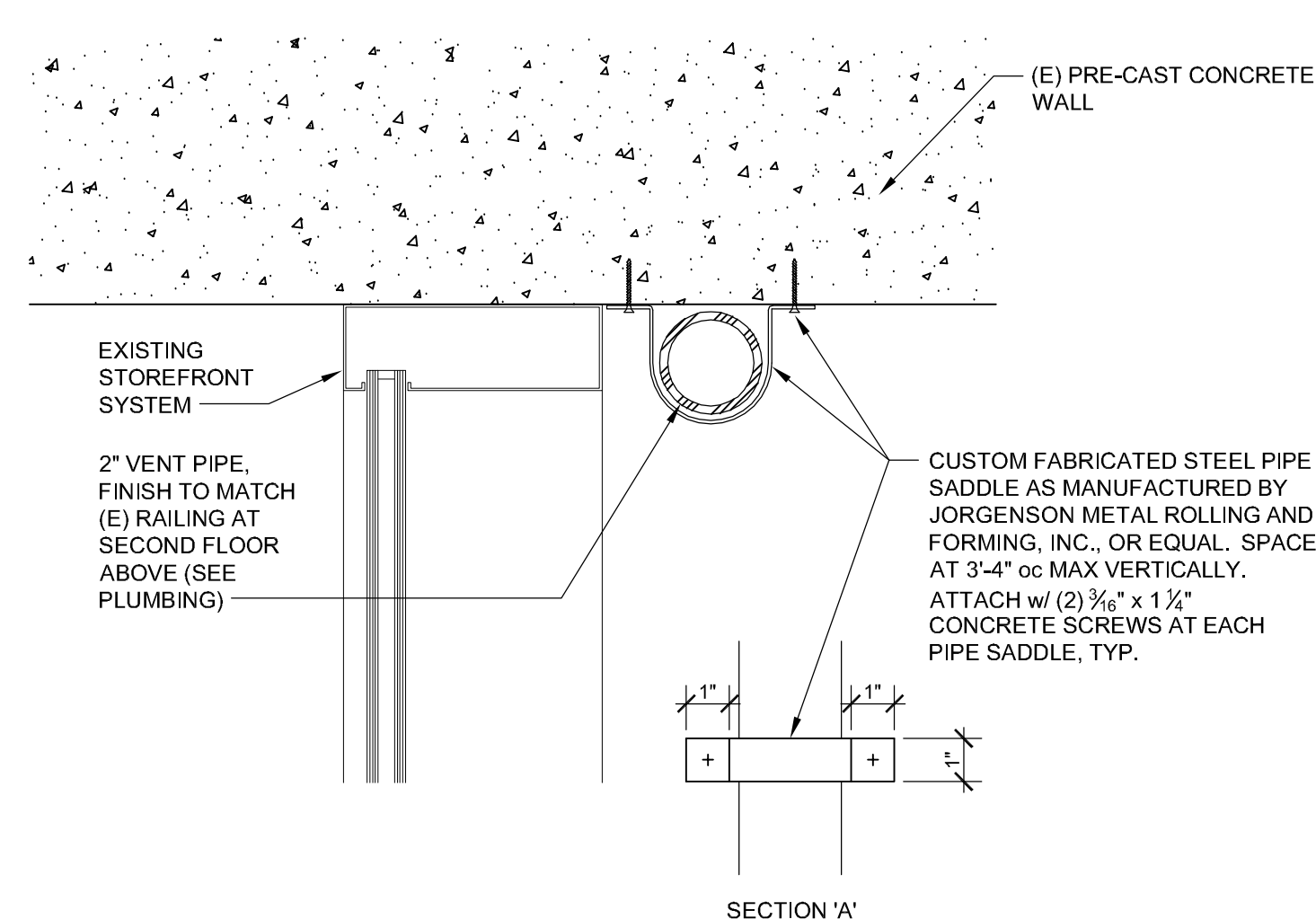
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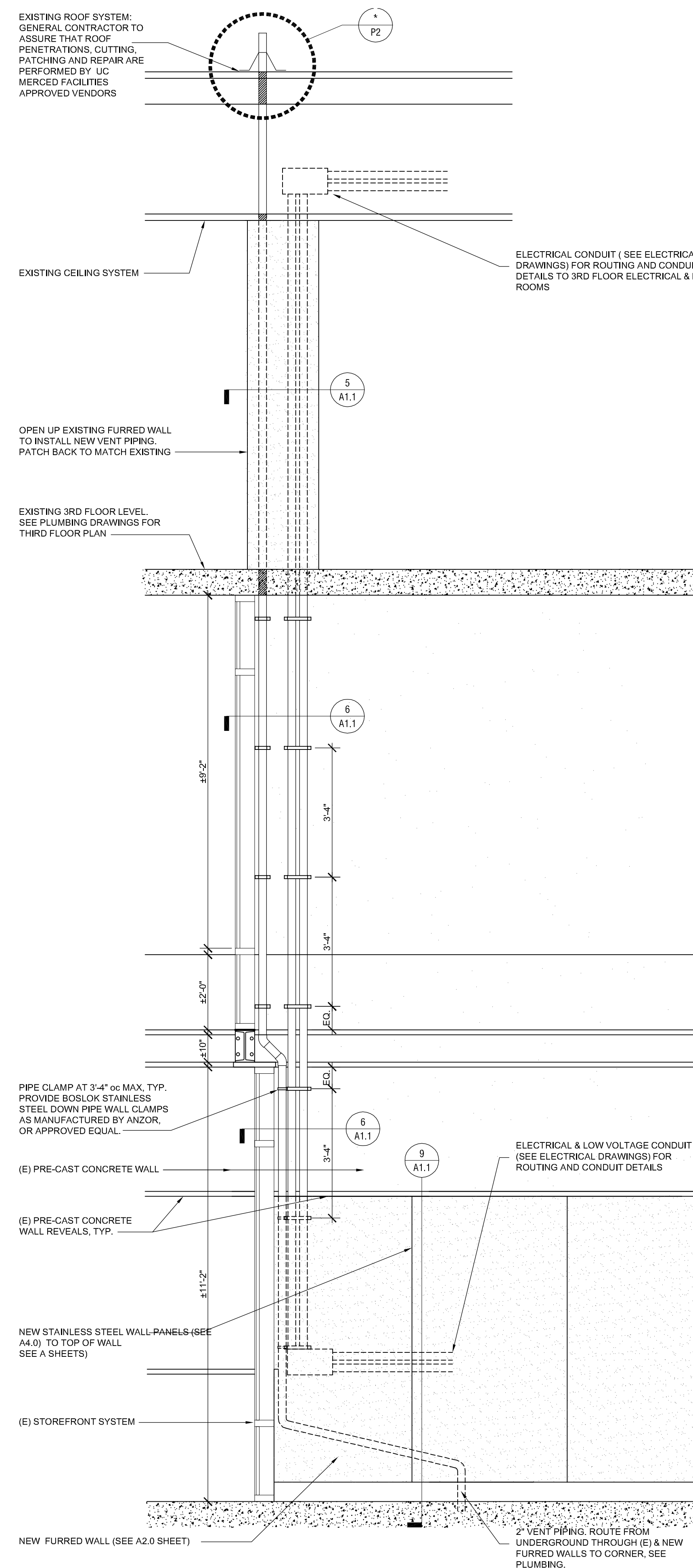
9 FURRED WALL @ PRE-CAST CONCRETE
SCALE: 3"=1'-0"



5 PLAN SECTION @ FURRED WALL & VENT PIPE
SCALE: 3"=1'-0"



6 PLAN SECTION @ VENT PIPE
SCALE: 3"=1'-0"



3 PARTIAL BUILDING SECTION
SCALE: 1/4" = 1'-0"

ANSI STANDARD SIZE SHEET - PLOT 100% NO SCALING ON 22 X 34

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 WATER-TIGHT.
 - 1.2. PRESSURE REDUCING VALVES OR REGULATORS, AS REQUIRED, FOR DISHWASHERS AND BOOSTER HEATERS, AND AS OTHERWISE NOTED.
 - 1.3. 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. ALL REQUIRED GREASE TRAPS, OUTSIDE THE BUILDING WHERE POSSIBLE, OTHERWISE BELOW OR FLUSH WITH FLOOR.
 - 1.5. INSTALL FIRE CONTROL SHUT OFF VALVE(S) AS SUPPLIED BY THE FIRE PROTECTION SYSTEM CONTRACTOR, IF GAS FIRED COOKING EQUIPMENT IS USED.
 - 1.7. INSULATION, AS REQUIRED, FOR ALL STEAM, HOT WATER, AND CONDENSATE LINES IN THE KITCHEN.
 - 1.8. VACUUM BREAKERS AS NECESSARY EXCEPT FOR THOSE PROVIDED BY THE K.E.C. WITH DISPOSERS(S).
 - 1.9. CLEAN OUT VALVES FOR STEAM, CONDENSATE AND AIR LINES.
 - 1.10. PROVIDE ACCESSIBLE WATER STOPS AT ALL WATER SUPPLY OUTLETS.
 - 1.11. WATER-TIGHT PVC CONDUIT FOR REMOTE SODA, BEER, OR LIQUOR SYSTEMS. CONFIRM LINE SIZE AND STUB OUT LOCATIONS WITH SYSTEM VENDOR(S).
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 CUT SHEETS.
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 EQUIPMENT.
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 BREAKERS, 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.
 - B. OTHER DIMENSIONS GIVEN ARE IN INCHES TO 1'-0" AND 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 3/4" 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 ⑥STUB-UP TO ⑥WALL-MOUNTED, THE ⑥WALL-MOUNTED OUTLETS AND/OR RECEPTACLES ARE TO BE SET AT 16" A.F.F.
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 COMPONENTS PER SPECIFICATIONS AS PROVIDED BY THE EQUIPMENT SUPPLIER; AND INTERWIRE BETWEEN THE FOLLOWING:
 - 5.1. CONTROL PANELS TO WATER TYPE VENTILATORS AND EXHAUST/SUPPLY FANS PER MANUFACTURER INSTRUCTIONS.
 - 5.2. KITCHEN EXHAUST SYSTEM TO FIRE CONTROL SYSTEM AND SHUT-OFFS.
 - 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.
 6. DIMENSIONS SHOWN ARE TO BE VERIFIED BY CONTRACTOR AND ADJUSTED AS REQUIRED BY FOODSERVICE EQUIPMENT AND/OR FIELD CONDITIONS.
 7. 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, STATE, AND CITY CODES, AS APPLICABLE.

GENERAL NOTES

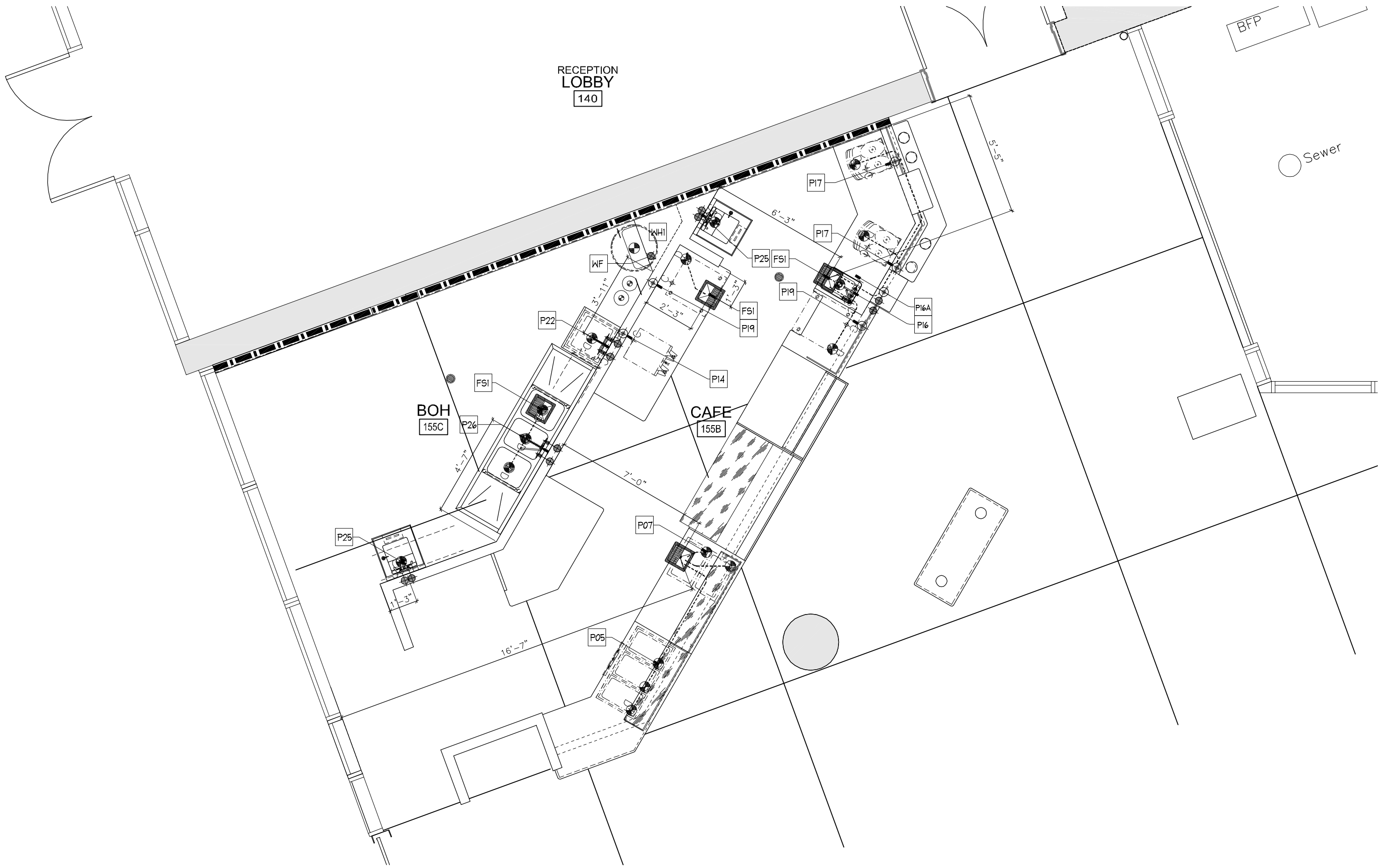
1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-IN AND FINAL CONNECTION TO THE FOODSERVICE EQUIPMENT, INCLUDING LABOR AND MATERIALS.
2. THE ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL THE FOLLOWING:
 - 2.1. ALL JUNCTION/HANDY BOXES METAL CONDUIT, WIRING AS REQUIRED; CONVENIENCE OUTLETS WITH COVERS, 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 REQUIRED BY LOCAL AND ESTABLISHED CODES.
 - 2.5. WALL SWITCH FOR HOOD LIGHTS WIRED THROUGH THE EXHAUST AND SUPPLY FAN(S).
 - 2.6. ALL REQUIRED STARTERS AND/OR CONTROLS FOR THE KITCHEN EXHAUST AND SUPPLY FAN(S).
 - 2.7. 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 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.

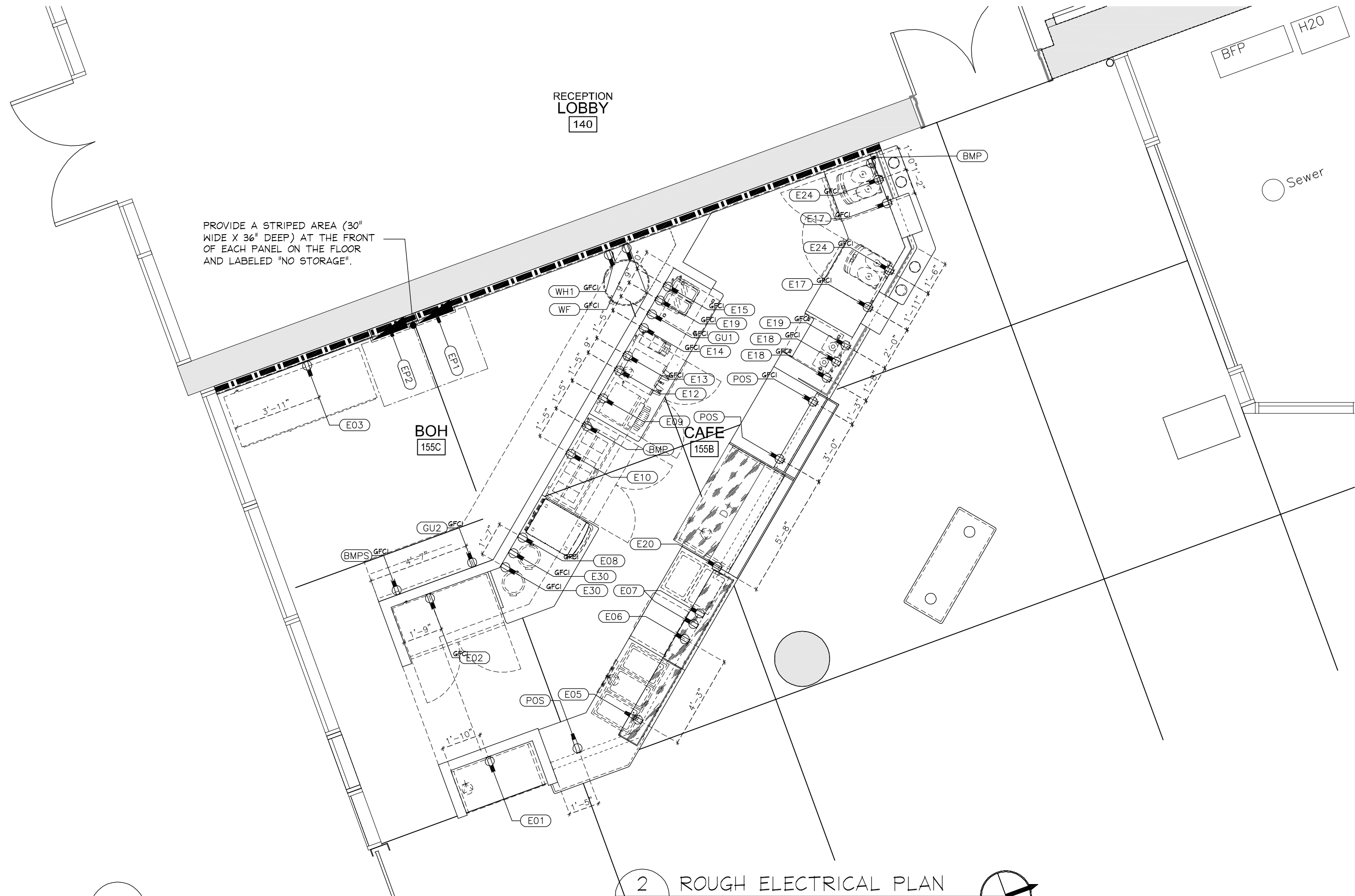
PLUMBING FIXTURE NOTES:

1. PROVIDE SHUT OFF VALVE AT CONNECTION TO EQUIPMENT FROM FILTER.
2. 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 INFRASTRUCTURE; H / C WATER, FLOOR DRAINS AND SEWER LOCATIONS.
4. INDIRECT WASTE LINE OR CONDENSATE DRAIN FROM EQUIPMENT / SINK TO FLOOR SINK OR PLUMBED DRAIN.
 - A: 1 1/2" INDIRECT FLEX DRAIN
 - B: 1/2" INDIRECT DRAIN
 - C: 3/4" INDIRECT FLEX DRAIN
 - D: 1 1/2" INDIRECT GRAVITY DRAIN
6. 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



1 ROUGH PLUMBING PLAN

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



2 ROUGH ELECTRICAL PLAN

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

PLUMBING FIXTURE SCHEDULE:

REFER TO "P" ENGINEERING SHEETS

ITEM:	DETAIL:	UTILITY	INLET	HEIGHT	SIZE	NOTES:
		IN	SIZE	A.F.F.	LOCATION	TO BE VERIFIED
P05	HOT WELL					
P07	COLD PAN	DRAIN			WALL	
P09	FAUCET	HOT & COLD WATER		24"	WALL	
P14	COFFEE BREAKER			48"	WALL	SEE #1,2
P16A	GLASS FILLER			24"	WALL	
P16	FAUCET	HOT & COLD WATER		24"	WALL	
P17	ESPRESSO MACHINE			24"	WALL	SEE #1,2,4A 15-70 FSI
P19	ICE MAKER			24"		SEE #4C
P22	UTILITY FAUCET	HOT & COLD WATER		36"	WALL	
P25	FAUCET	HOT & COLD WATER		24"	WALL	
P26	PRE-RINSE FAUCET	HOT & COLD WATER		38"	WALL	
WF	R/O WATER SYSTEM	COLD WATER		60"	WALL	REFER TO PLUMBING SHEETS
WH	NEW 40 GAL WATER HEATER GALLON	COLD FROM BUILDING	3/4"	10"		REFER TO PLUMBING SHEETS
FSI	NEW AIR GAP DRAIN FLOOR SINK					REFER TO PLUMBING SHEETS

PLUMBING FIXTURE LEGEND:

- ⑥** 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.
- ⑥ DRAIN AT EQUIPMENT & FIXTURES TO AIR GAP AT FLOOR SINK
- ⑥ FLOOR SINK / AIR GAP DRAIN
- ⑥ HOT WATER SUPPLY - STUB FROM FLOOR AND/OR WALL
- ⑥ COLD WATER SUPPLY - STUB FROM FLOOR AND/OR WALL
- ⑥ FILTERED WATER SUPPLY - FROM CENTRAL FILTER (PI6); PLUMBER TO VERIFY CAPACITY AND FLOW RATE OF EACH ITEM AND PROVIDE MIN. PSI PER SPECIFICATION TO EACH ITEM.

ELECTRICAL FIXTURE SCHEDULE:

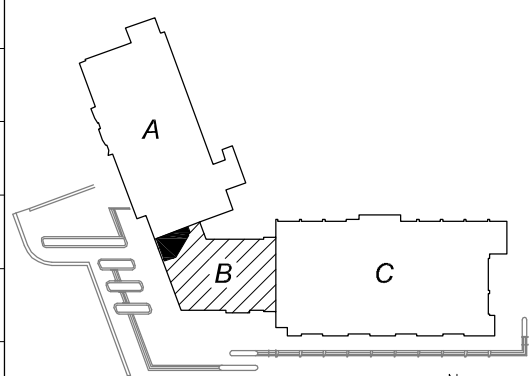
REFER TO "E" ENGINEERING SHEETS

ITEM:	DETAIL:	HEIGHT	VC	WATTS	PH	AMP	NOTES:
		A.F.F.					
E01	GRAB-N-GO REFRIG DISPLAY	24"	110/60	1635	1	16	2 WIRE +GND 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 4-30
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 4-30
E09	TOASTER	48"	208/240 60	6.7Kw	1	30	NEMA 4-30
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 +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 14-30
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"					10Kw MAX
WF	WATER FILTRATION SYSTEM	60"	115/60				
EP1	EXIST' ELEC PANEL						
EP2	EXIST' ELEC PANEL						
GU1	GENERAL USE	+48"	120/60				
GU2	GENERAL USE	+18"	120/60				
POS	POS	12"					POWER & DATA
BMP	BUMP BAR MONITOR	VARIES	115/60				DATA FROM POS POWER & DATA
BMP5	EQUIPMENT ON RACK	60"	115/60				DATA FROM POS POWER & DATA

ELECTRICAL FIXTURE LEGEND:

- ELECTRICAL POWER FOR ALL EQUIPMENT IS DEDICATED. ALL ELECTRICAL OUTLETS WITHIN 6 FEET OF SINKS MUST BE GFCI 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)
- ⑥** GENERAL USE OUTLET SEE PLAN FOR HEIGHT; GFI; SEE NOTE #1 BELOW
- ⑥ GU* ELECTRICAL OUTLET PER EQUIPMENT SCHEDULE OR GENERAL CONVENIENCE
- ⑥ J ELECTRICAL "J" BOX OR PIGTAIL FOR POWER FEED; UP FROM FLOOR.

KEY PLAN



GROUND FLOOR

ARCHITECT



ENGINEER

DSA # 02-115975

DATES

DSA SUBMITTAL	06.16.17
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FOR ENGINEERING	05.17.17
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PROJECT

UC Merced
LIBRARY LANTERN CAFE

5200 N. Lake Road
Merced, California 95343

Cafe Remodel

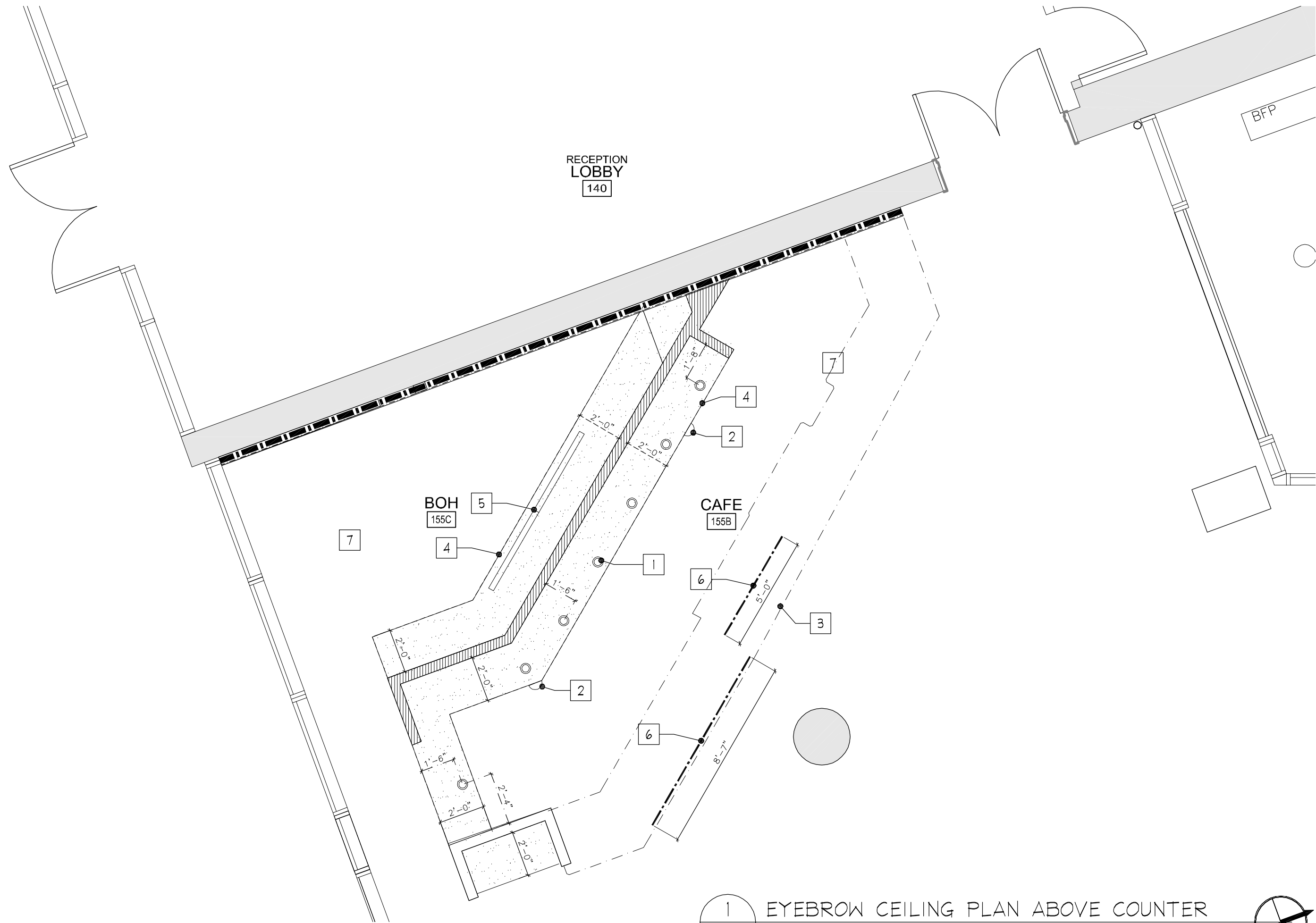
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SHEET TITLE

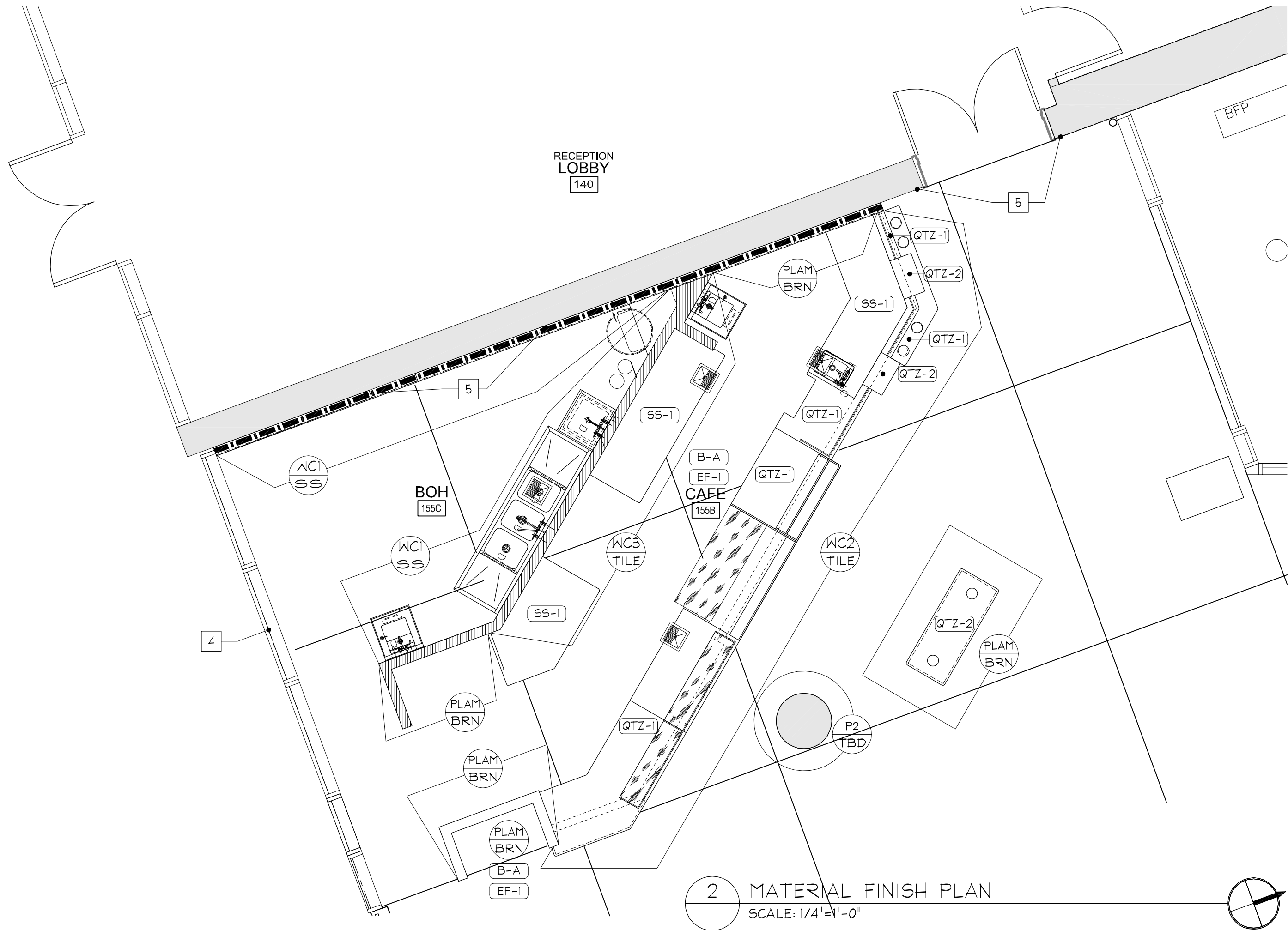
ROUGH-IN
UTILITIES PLAN

SHEET NO.

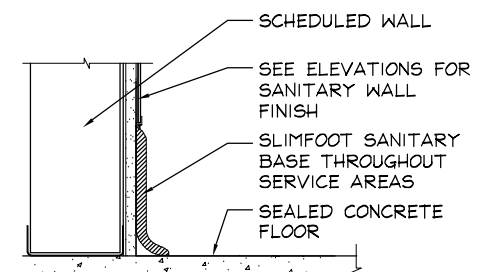
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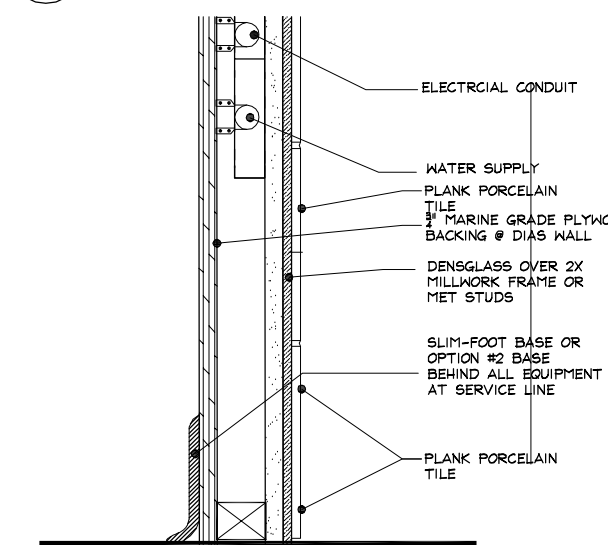
1 EYEBROW CEILING PLAN ABOVE COUNTER
SCALE: 1/4"=1'-0"



2 MATERIAL FINISH PLAN
SCALE: 1/4"=1'-0"



3 TYPICAL WALL & BASE DETAILS
SCALE: N T S



4 TYPICAL DIAS WALL SECTION
SCALE: N T S

CEILING LEGEND:

KEY NOTES:

- 1 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 'FS1.0' SHEET FOR SPEC.)
- 7 REPLACE OVERHEAD LIGHT FIXTURES (REFER TO E SHEETS FOR LOCATION AND LIGHT FIXTURE SPECIFICATION TYPICAL OF 3)

NOTES:

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

FINAL PRODUCTS/COLOR MUST BE APPROVED BY UNIVERSITY REPRESENTATIVE

COUNTER TOP FINISHES:

- QTZ-1 2 CM QUARTZ COUNTER: CAMBRIA; COLOR: TORQUAY
- QTZ-2 2 CM QUARTZ TOP @ DRINK PICK-UP: AZ TILE CO. WAVE CHARCOAL
- SS-1 STAINLESS STEEL COUNTER TOP

FLOOR FINISH LEGEND:

- B-A DAL-TILE CERAMIC 5 1/2" HIGH SLIM-FOOT BASE, GRAY COLOR, PORTION 22 X 22 GA. STAINLESS STEEL BASE WITH 3/8" COVE CAULKED TO TOP OF (E) DIAMOND FINISHED CONCRETE FLOOR
- EF-1 EXISTING DIAMOND POLISHED CONCRETE FLOOR TO REMAIN: SEE A1.0

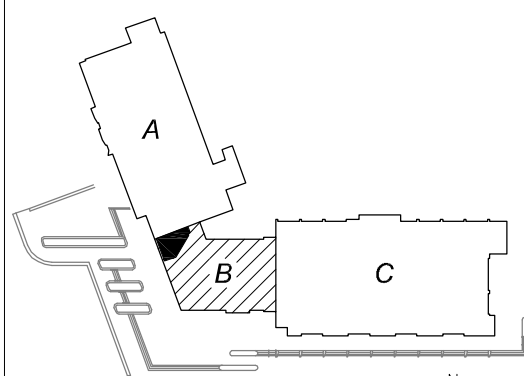
WALL FINISH LEGEND:

- PI BRN SEMI-GLOSS ENAMEL PAINT: SW-7515 HOMESTEAD BROWN; PAINT EXPOSED GYP. BD. AREAS AND UNDERSIDE AND TOP SIDE OF NEW GYP. BD. SOFFIT
- P2 TBD EGGSHHELL FINISH LOW SHEEN ENAMEL PAINT: COLOR: T B D COLUMN & UPPER BACK WALL (SEE NOTE 5 BELOW)
- PLAM BRN PLASTIC LAMINATE WALL PANEL: FORMICA #5342-SP SCULPTED FINISH
- WCI SS 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 UNDERSIDE OF GYP BD SOFFIT
- WC2 TILE PORCELAIN PLANK TILE: AZ TILE CO. AEGUA CASTOR 6" X 32" SEE ELEVATIONS A5.0 & A5.1
- WC3 TILE WHITE PORCELAIN WALL: ARIZONA TILE CO. 3D BLADE 12X22 RUN VERTICALLY

KEY NOTES:

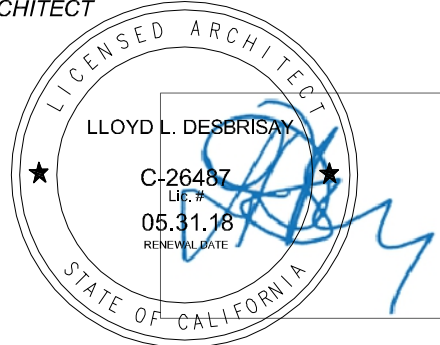
- 1 REFER TO ELEVATIONS FOR LOCATION OF SANITARY WALL FINISHES AT COL.
- 2 REFER TO ELEVATIONS & SECTIONS FOR STAINLESS STEEL COUNTER, SPLASH AND LEGS; COORDINATE UNDER COUNTER EQUIPMENT WITH CAFE DESIGN PRIOR TO FABRICATION
- 3 REFER TO ELEVATIONS FOR QUARTZ STONE TOPS & TRIMS; COORDINATE UNDER COUNTER EQUIPMENT WITH CAFE DESIGN PRIOR TO FABRICATION
- 4 VINYL SUPER-GRAPHIC AT INTERIOR OF GLASS STOREFRONT FROM SILL TO HEAD MULLION
- 5 REPAINT WALL ABOVE NEW FURRED PARTITION ALONG ENTIRE WIDTH & HEIGHT OF WALL; UP TO CEILING AND OVER TO MEZZANINE. COLOR TBD SEE P2 ABOVE

KEY PLAN



GROUND FLOOR

ARCHITECT



ENGINEER

DSA A# 02-115975

DATES

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

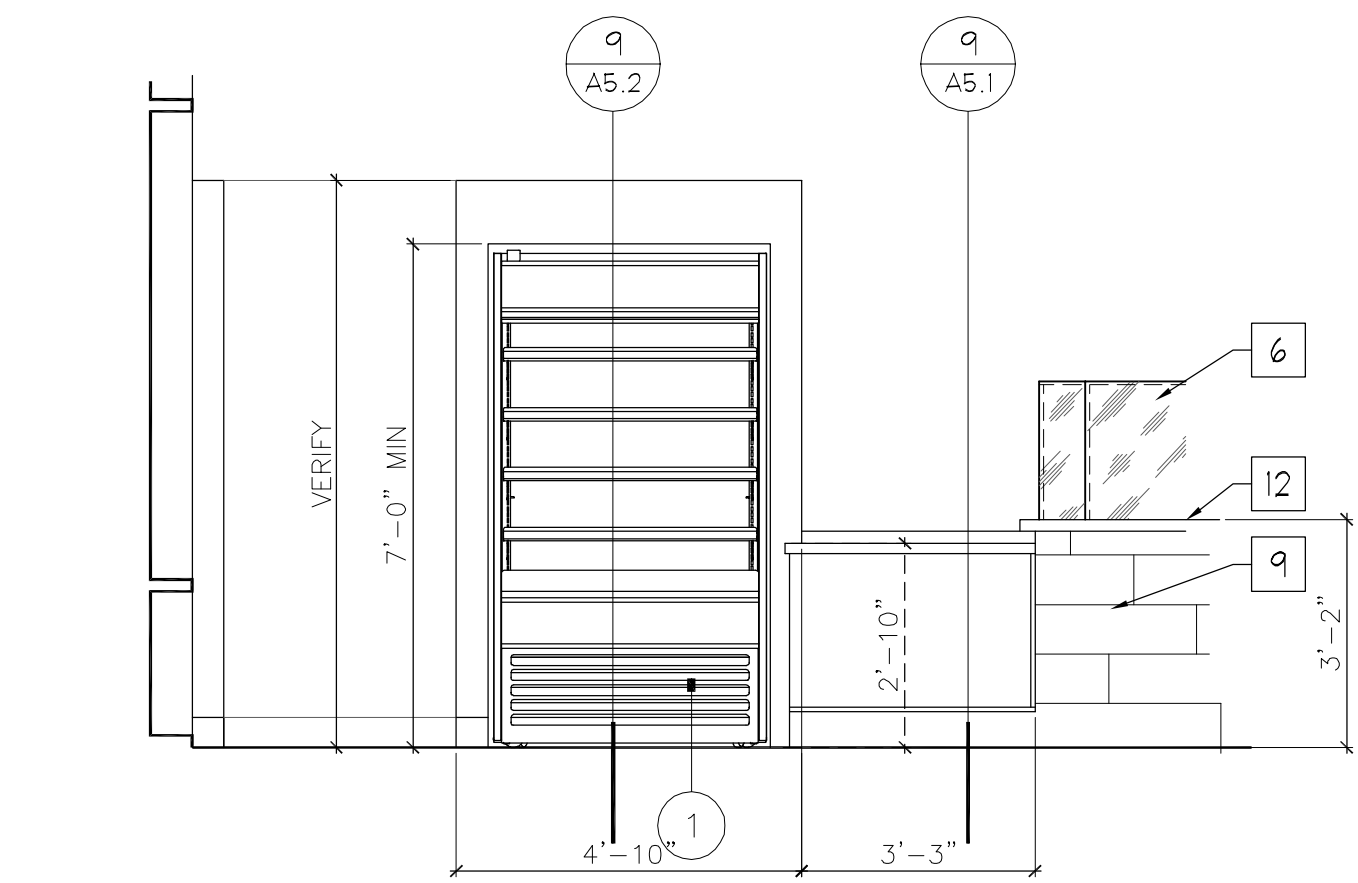
Cafe Remodel

PROJECT #: UCMERC. 041017

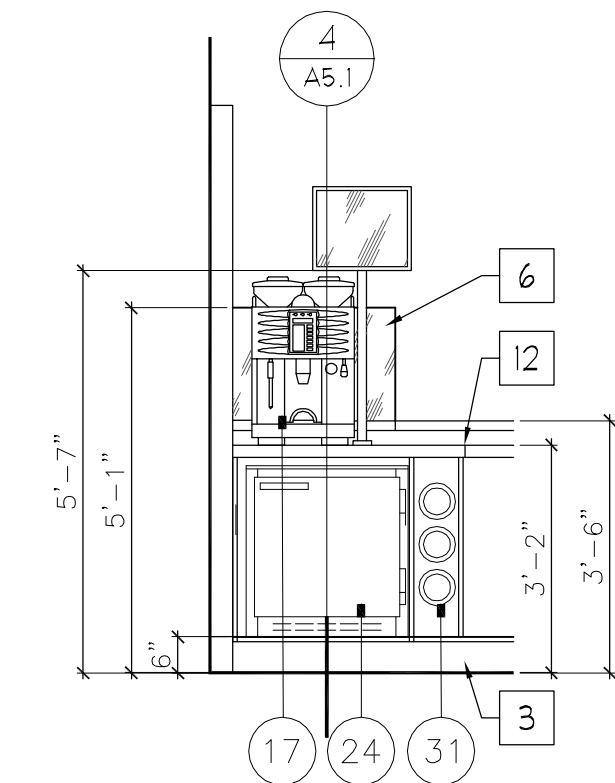
SHEET TITLE

CEILING PLAN
&
MATERIAL FINISH
PLAN

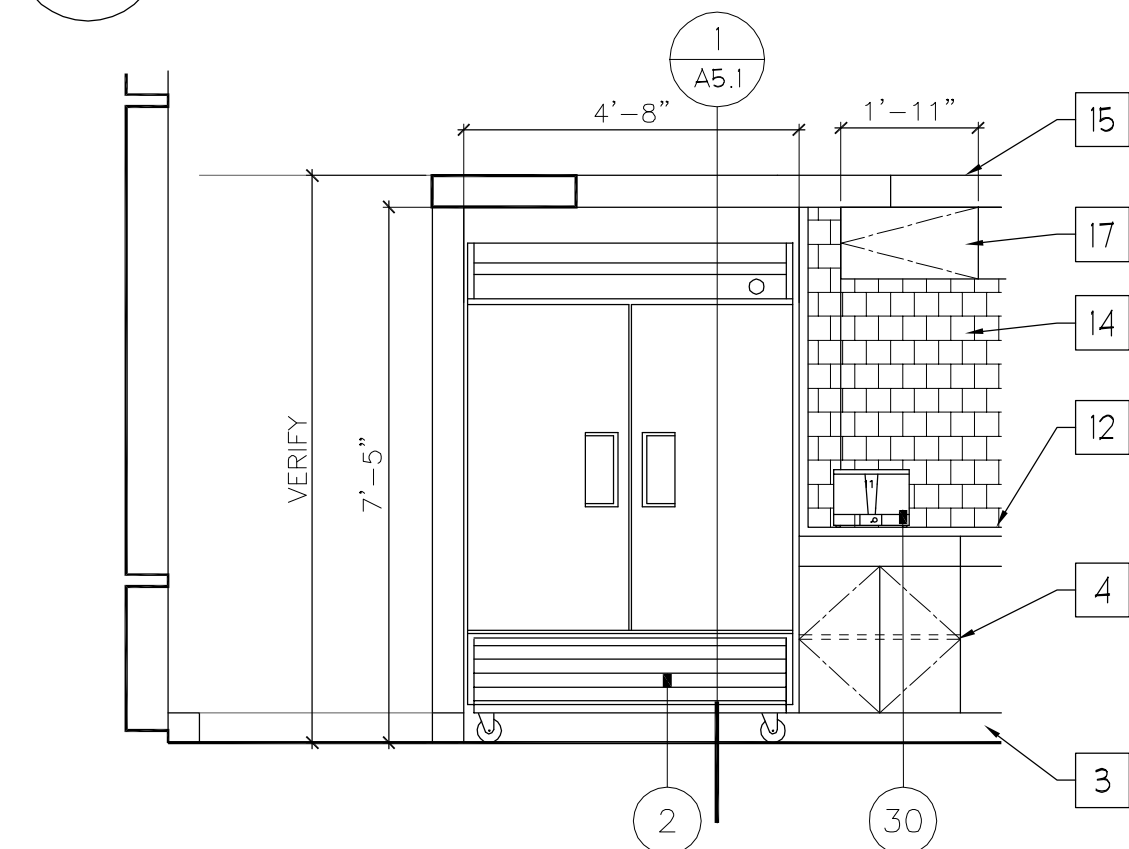
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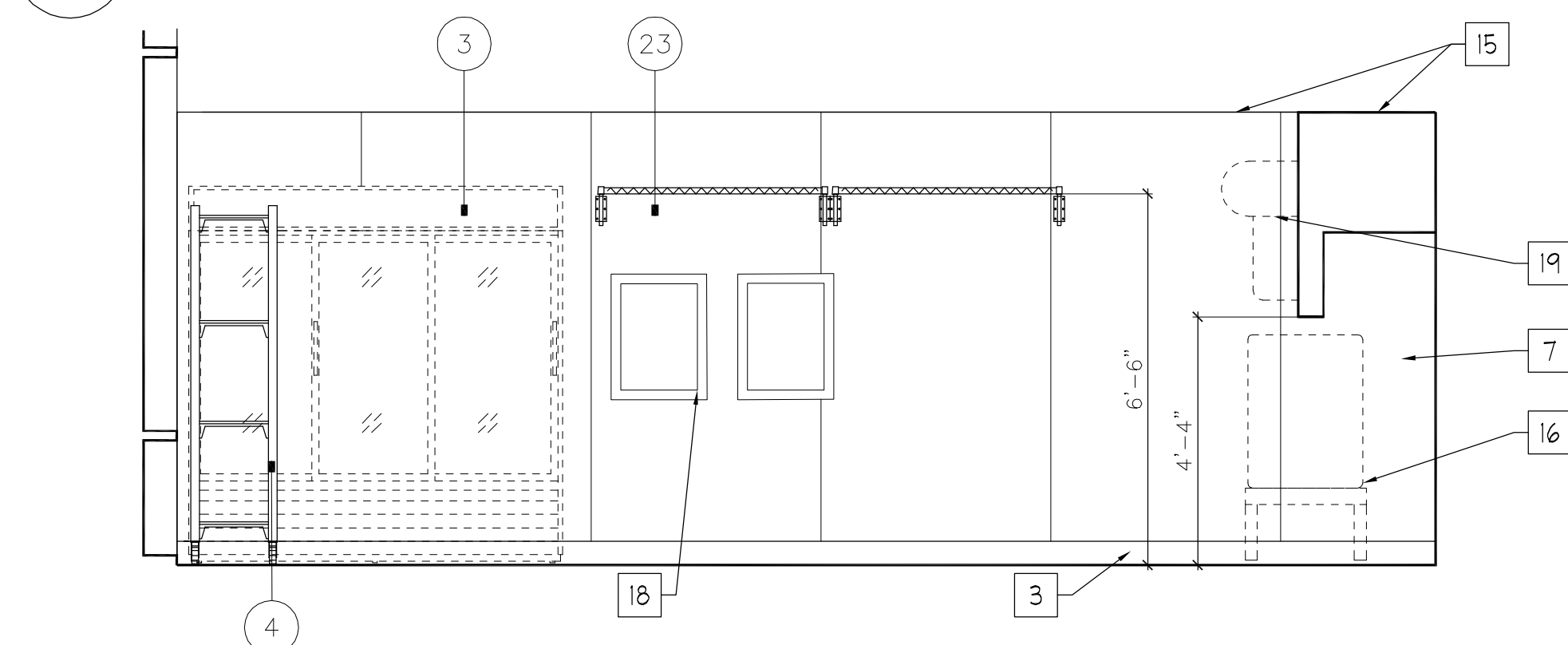
9 ELEVATION @ CUSTOMER ORDER COUNTER
SCALE: 3/8"=1'-0"



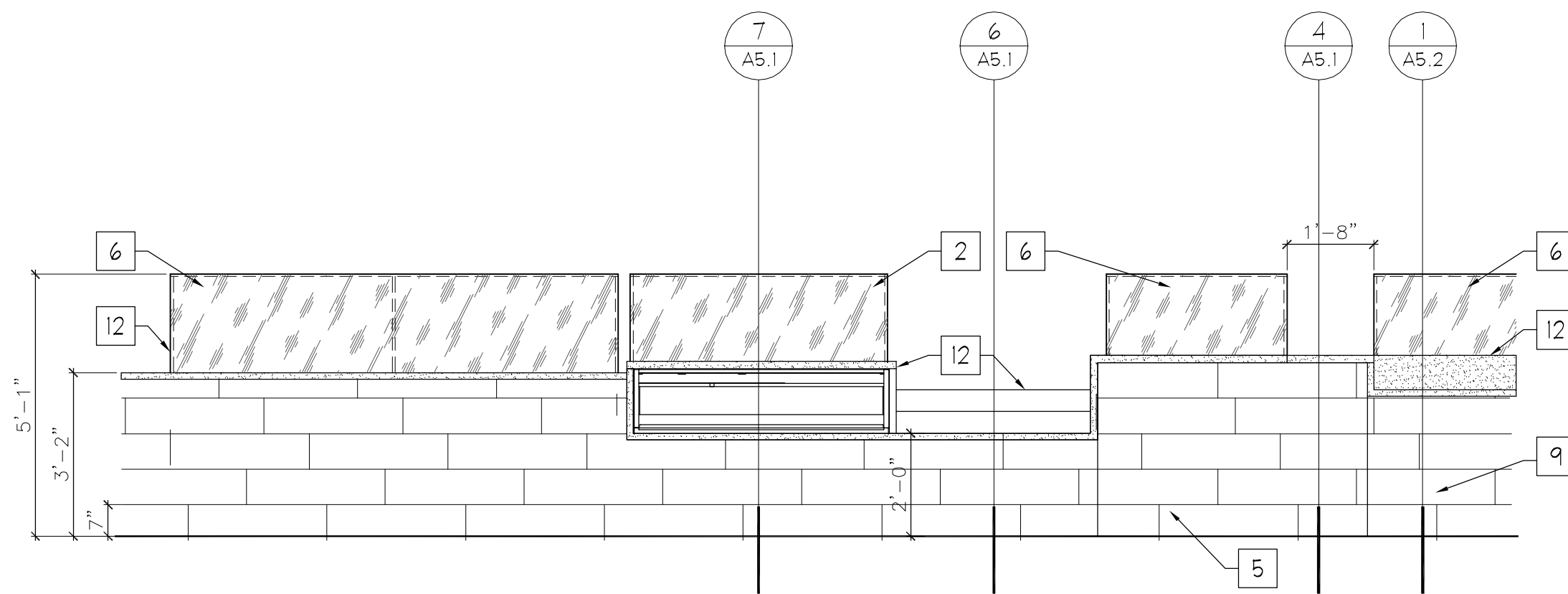
10 ELEV. @ BARISTA
SCALE: 3/8"=1'-0"



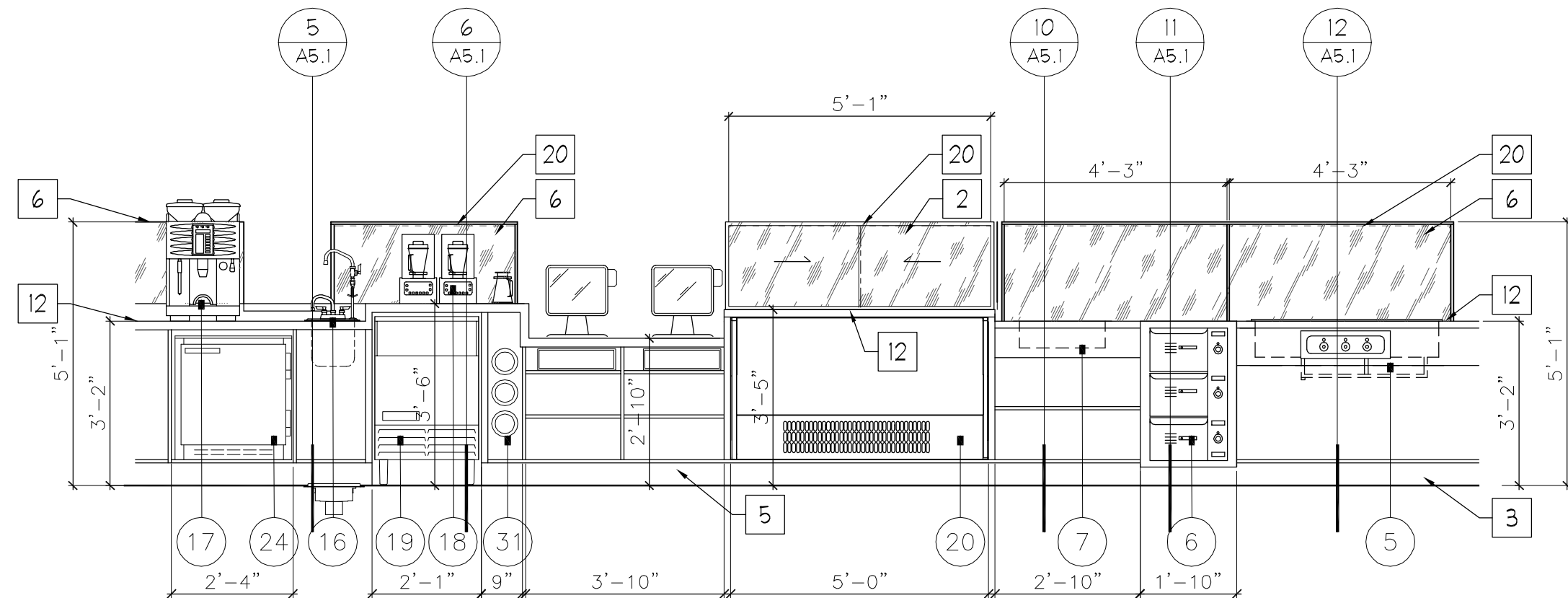
11 REACH @ BACKLINE
SCALE: 3/8"=1'-0"



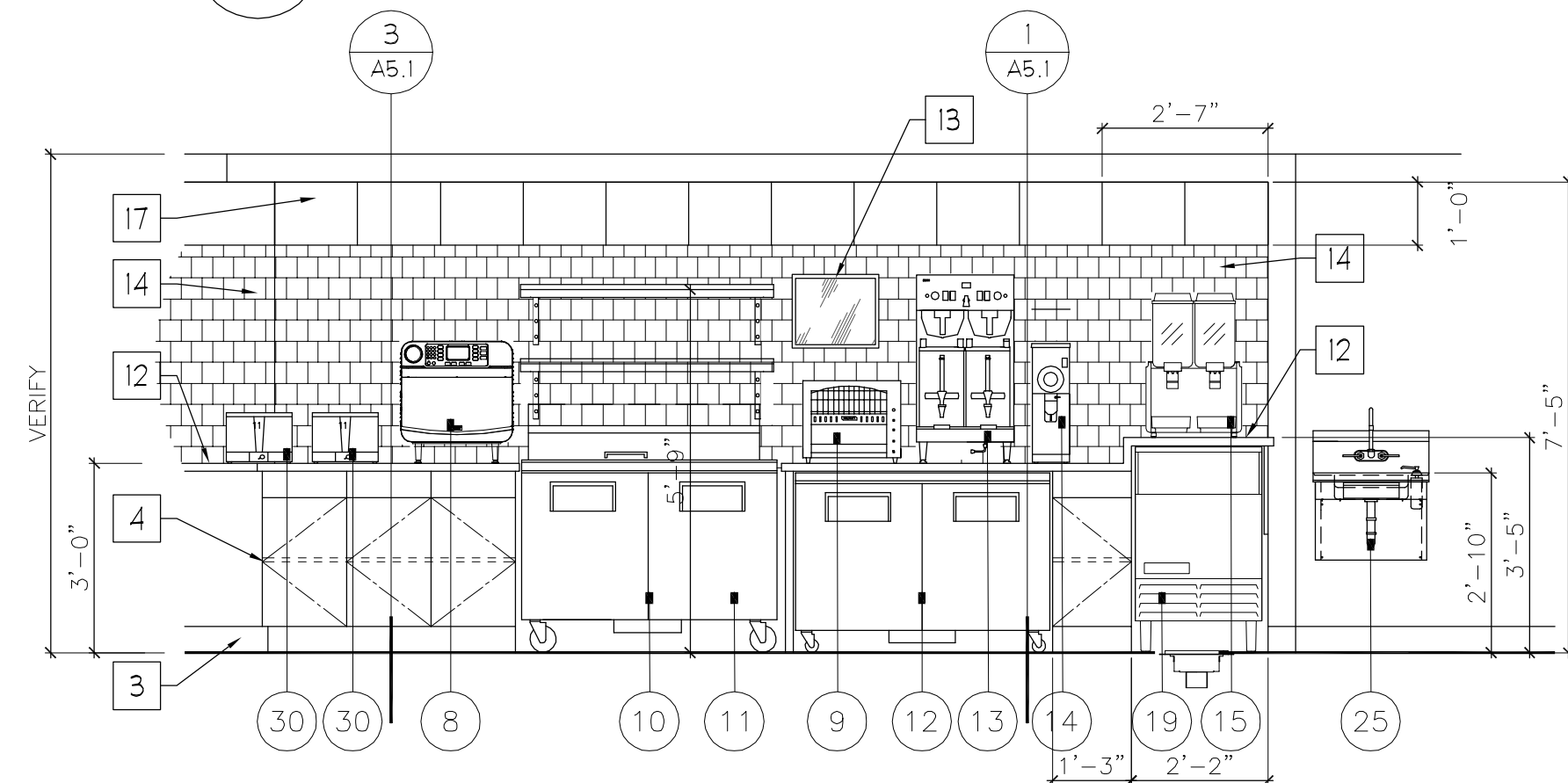
12 ELEVATION @ STORAGE
SCALE: 3/8"=1'-0"



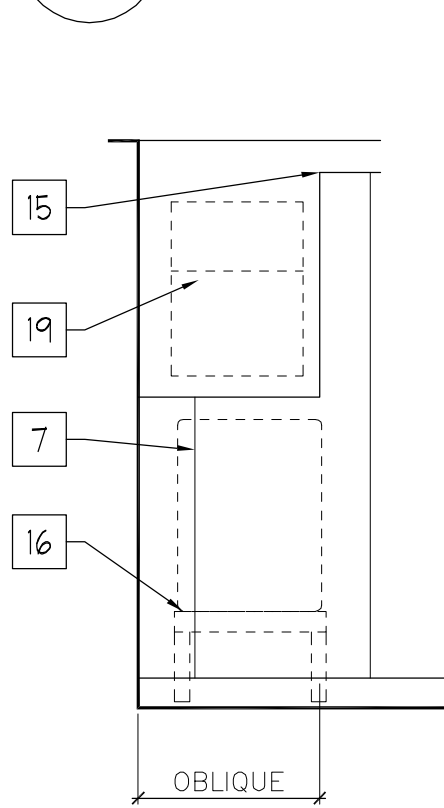
5 ELEVATION @ CUSTOMER FRONT LINE
SCALE: 3/8"=1'-0"



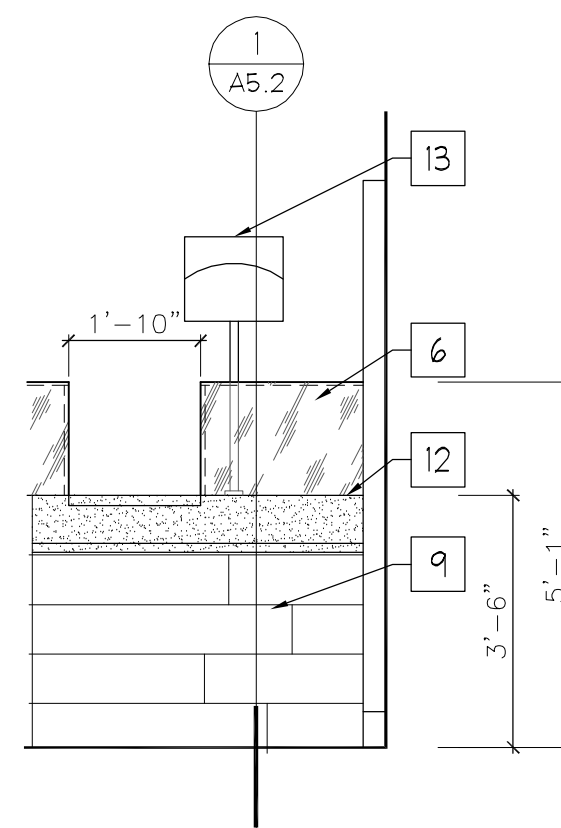
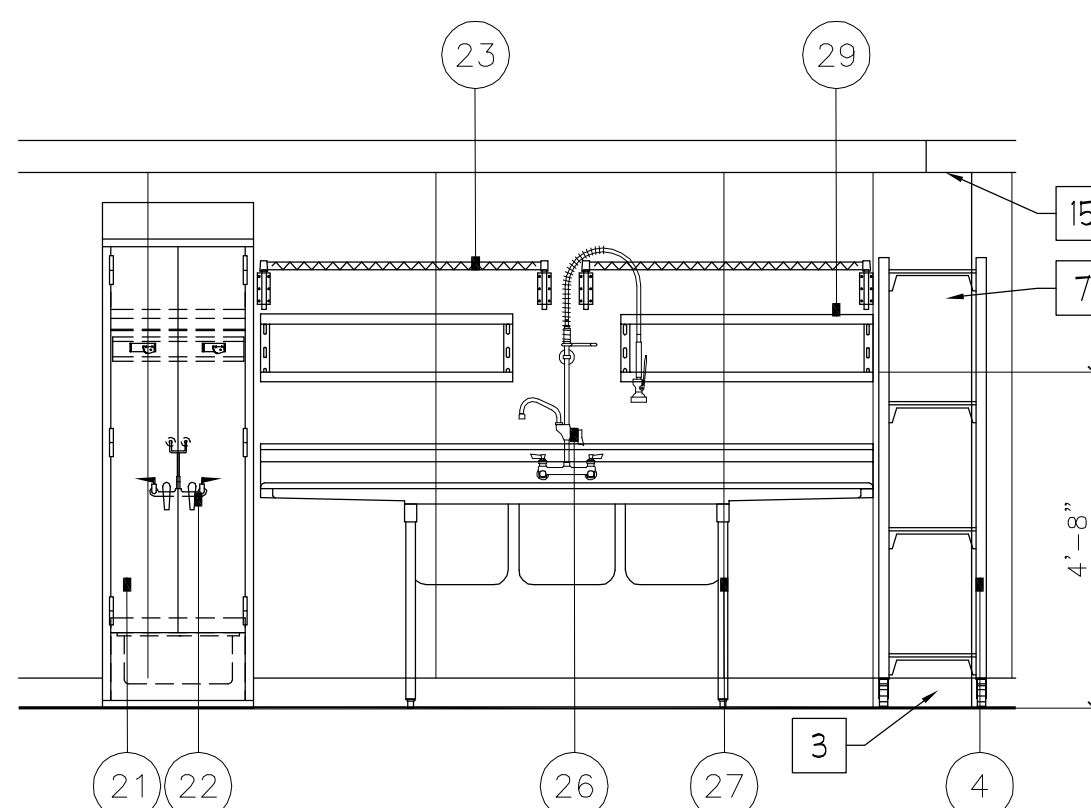
6 ELEVATION @ SERVICE SIDE FRONT LINE
SCALE: 3/8"=1'-0"



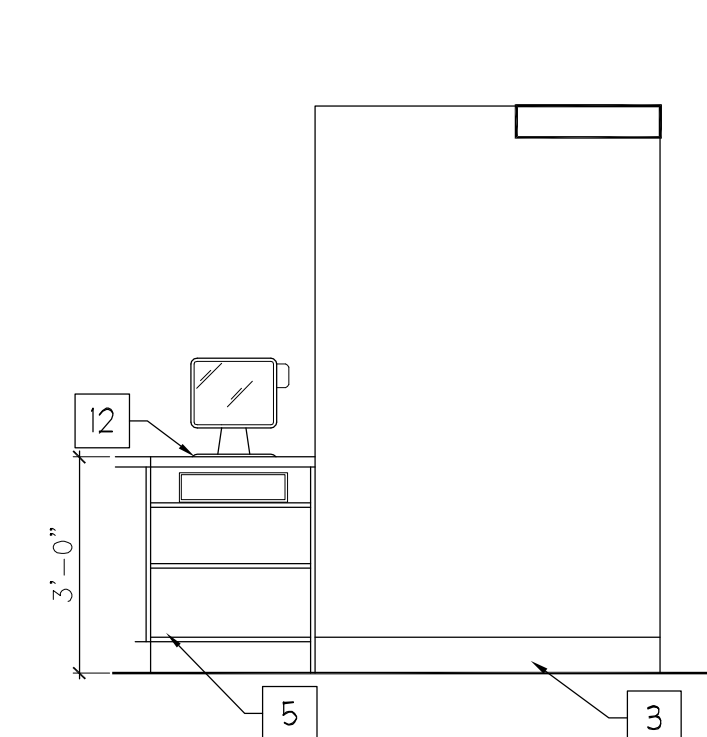
7 ELEVATION @ SERVICE SIDE BACK LINE
SCALE: 3/8"=1'-0"



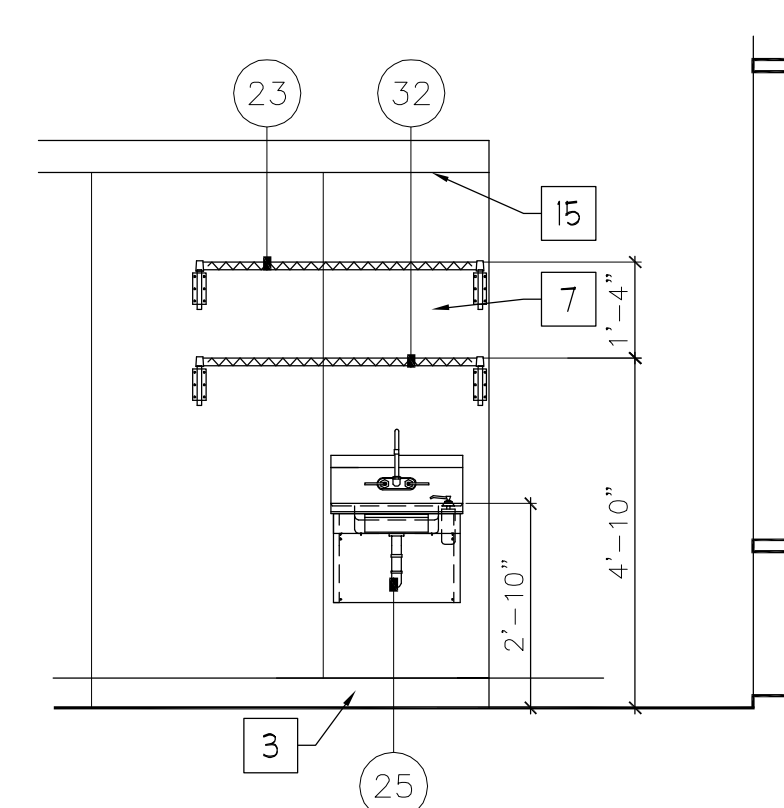
8 ELEVATION @ BOH WAREWASHING AREA
SCALE: 3/8"=1'-0"



1 CUSTOMER PICK UP
SCALE: 3/8"=1'-0"

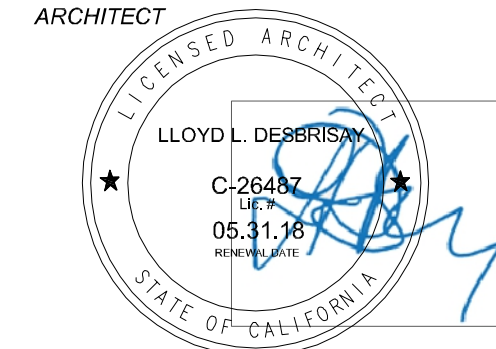
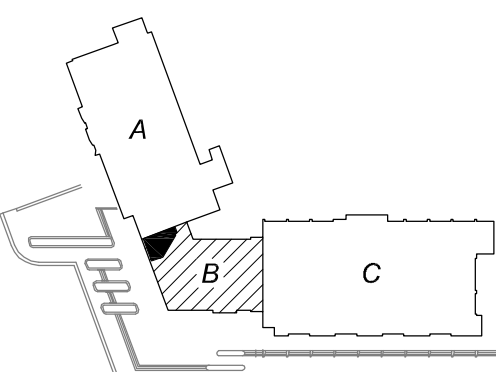


2 SERVICE SIDE @ ORDER
SCALE: 3/8"=1'-0"

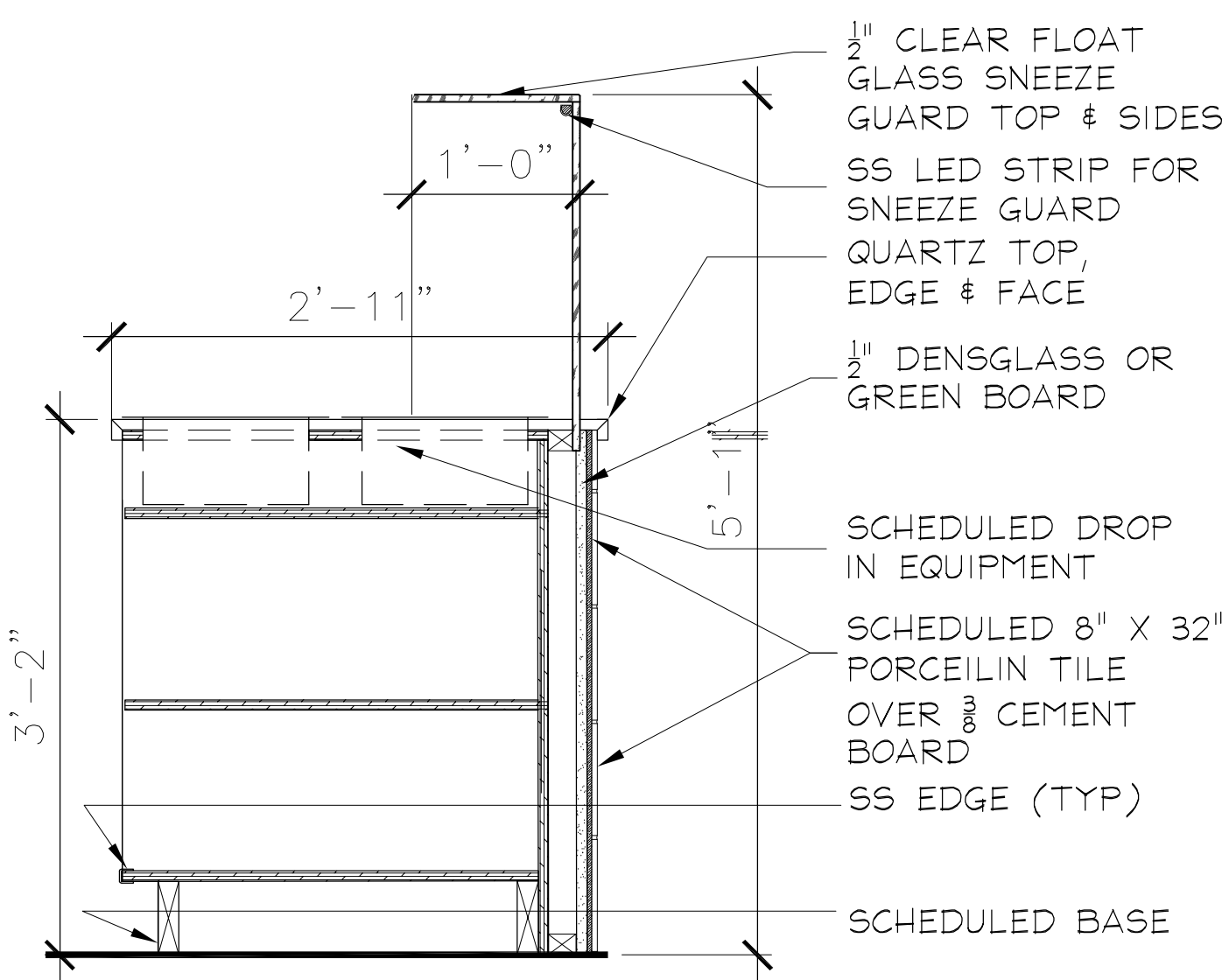


4 ACCESSIBLE HAND SINK
SCALE: 3/8"=1'-0"

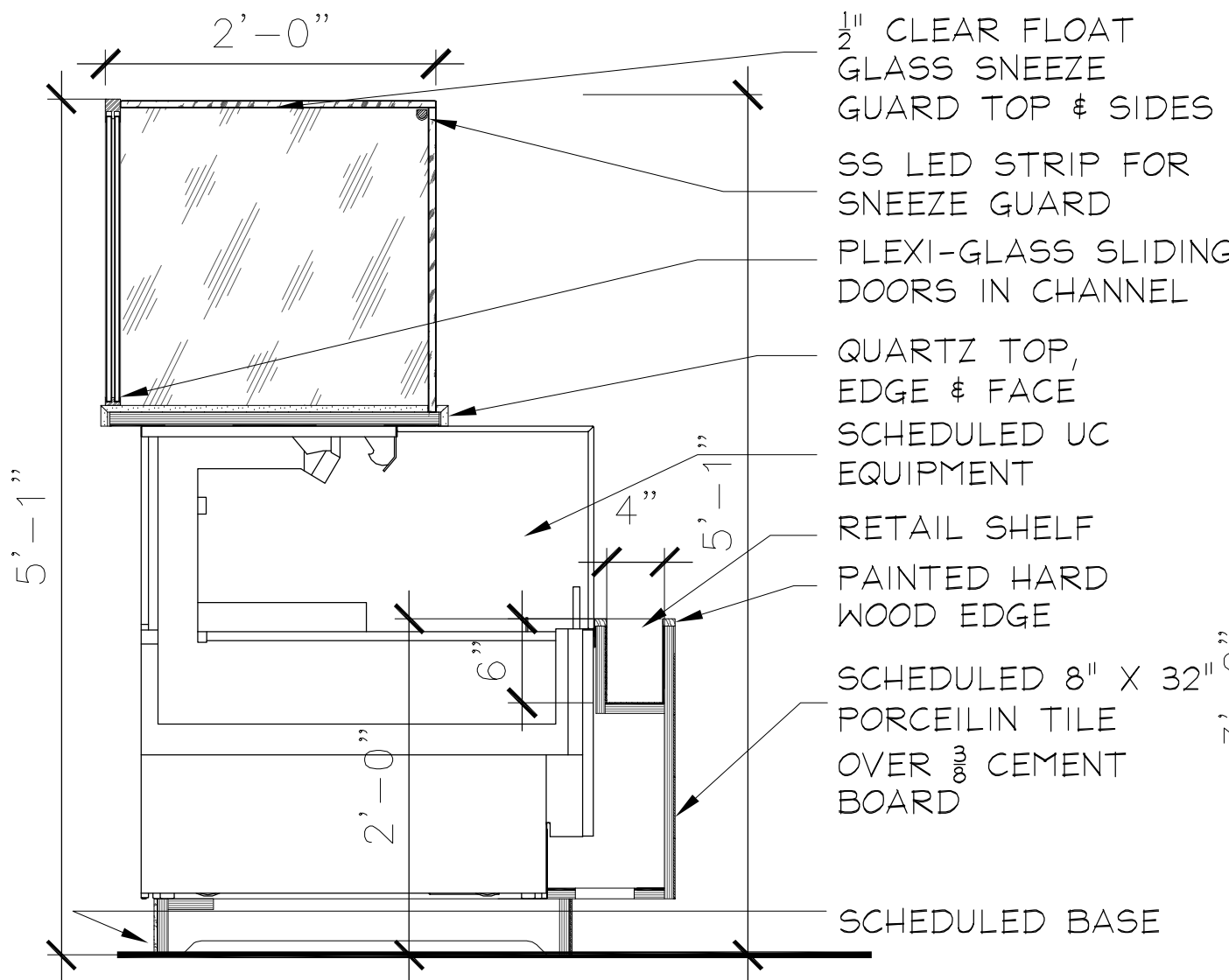
- ELEVATION NOTES**
- COORDINATE LOCATION OF FLOOR SINK WITH CABINETS & EQUIPMENT.
 - ENCLOSED DRY PASTRY CASE: PLEXI-GLASS SLIDING DOORS IN SS GUIDE AND GLASS TOP, SIDES AND FRONT
 - SANITARY BASE: OPTION #2 = 6" 22 GA. STAINLESS STEEL WITH 3/8" COVE CAULKED TO TOP OF (E) DIAMOND FINISHED CONCRETE FLOOR
 - BASE CABINETS / CONDIMENT STATION; PLASTIC LAMINATE INTERIOR, FACE AND SIDES W/ ADJUSTABLE SHELF ON STUD STANDARDS LOCKS FOR ALL DOORS (FORMICA #5342-SP SCULPTED FINISH)
 - SERVICE DIAS WALL AT CASEWORK FOR UTILITY ROUTING
 - 1/2" CLEAR GLASS SNEEZE GUARD RECESSED INTO TOP OF CASEWORK OR TOP OF WALL
 - NEW 36"-48" WIDE 18 GA. 304 STAINLESS STEEL PANELS FROM TOP OF BASE TO 7'-6" +/- A.F.F. TO BTM OF SOFFIT
 - CONDIMENT BAR (DROP IN STAINLESS CONTAINERS FOR ALL CONDIMENTS AND PLASTIC WARES & NAPKINS BY OTHERS)
 - PLANK PORCELAIN TILE AT FACE OF COUNTER TO FLOOR; 8" X 32" STAGGERED
 - AMBIENT DISPLAY CASE IN COUNTER (SEE SECTIONS)
 - NOT USED
 - SCHEDULED QUARTZ COUNTER TOP (SEE SPEC)
 - BUMP BAR; BY OTHERS; REQUIRES 115/120 POWER & DATA (TYPICAL OF 2: #1 @ BARISTA W/ POLE MOUNT AT COUNTER TOP #2 WALL MOUNTED AT PREP TABLE)
 - PORCELAIN WALL TILE FROM TOP TO UNDERSIDE OF SOFFIT (WC-3 ARIZONA TILE CO. 3D BLADE 12X22 RUN VERTICALLY)
 - TOP OF WALL & SOFFIT - PAINT UNDERSIDE, FACE EDGES AND TOP SEMI-GLOSS ENAMEL (P1 - HOMESTEAD BROWN SW-7515)
 - NEW WATER HEATER (SEE ENGINEERING SHEETS) ON +20" A.F.F. STAND
 - UPPER CABINET STORAGE WITH GLASS SLIDING DOORS FOR MENU; PLAIN FINISH; FORMICA #5342-SP SCULPTED FINISH
 - EXISTING ELECTRICAL PANELS TO REMAIN (REFER TO ENGINEERING SHEETS)
 - RO WATER FILTRATION SYSTEM WALL MOUNTED ABOVE WATER HEATER
 - LED LIGHT STRIP FOR SNEEZE GUARD (SEE SECTION)



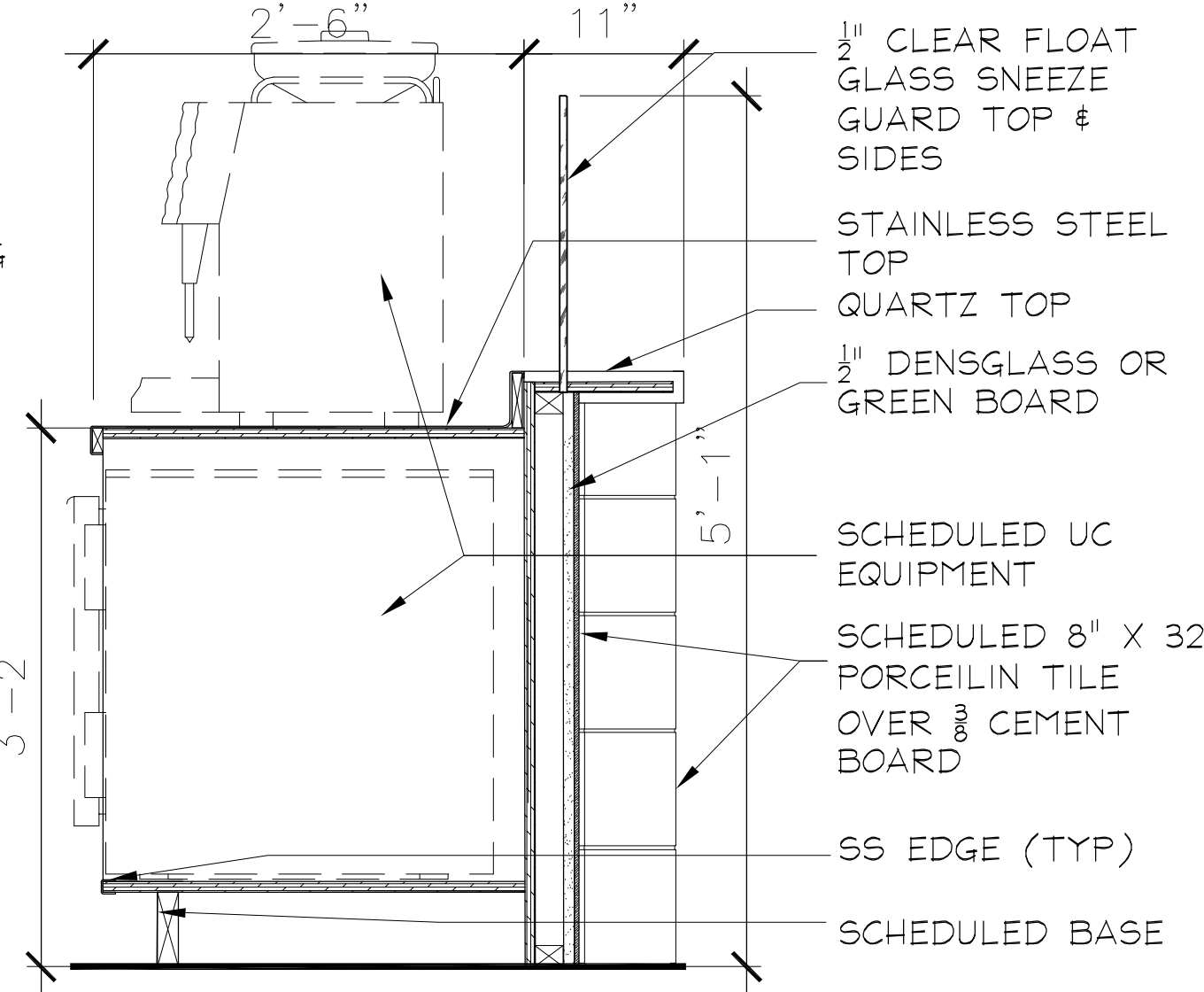
DSA SUBMITTAL	06.16.17
UC FACILITIES REVIEW	06.06.17
FOR ENGINEERING	05.17.17
UPDATED FINAL	04.17.17
UPDATED PRELIM	04.12.17
PRELIMINARY	04.10.17



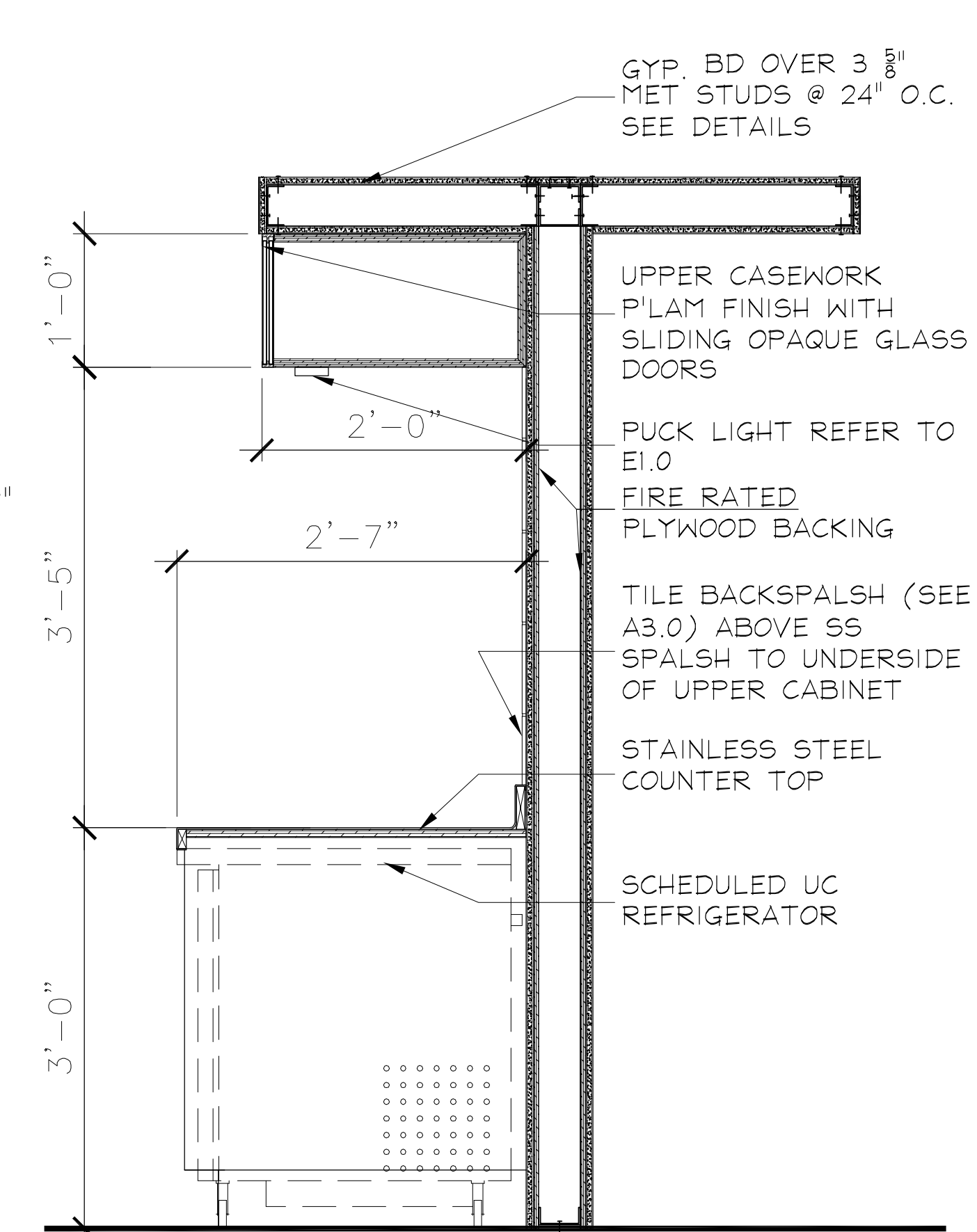
10 SECTION @ DROP-IN COLD PAN
A5.1 SCALE: 3/8"=1'-0"



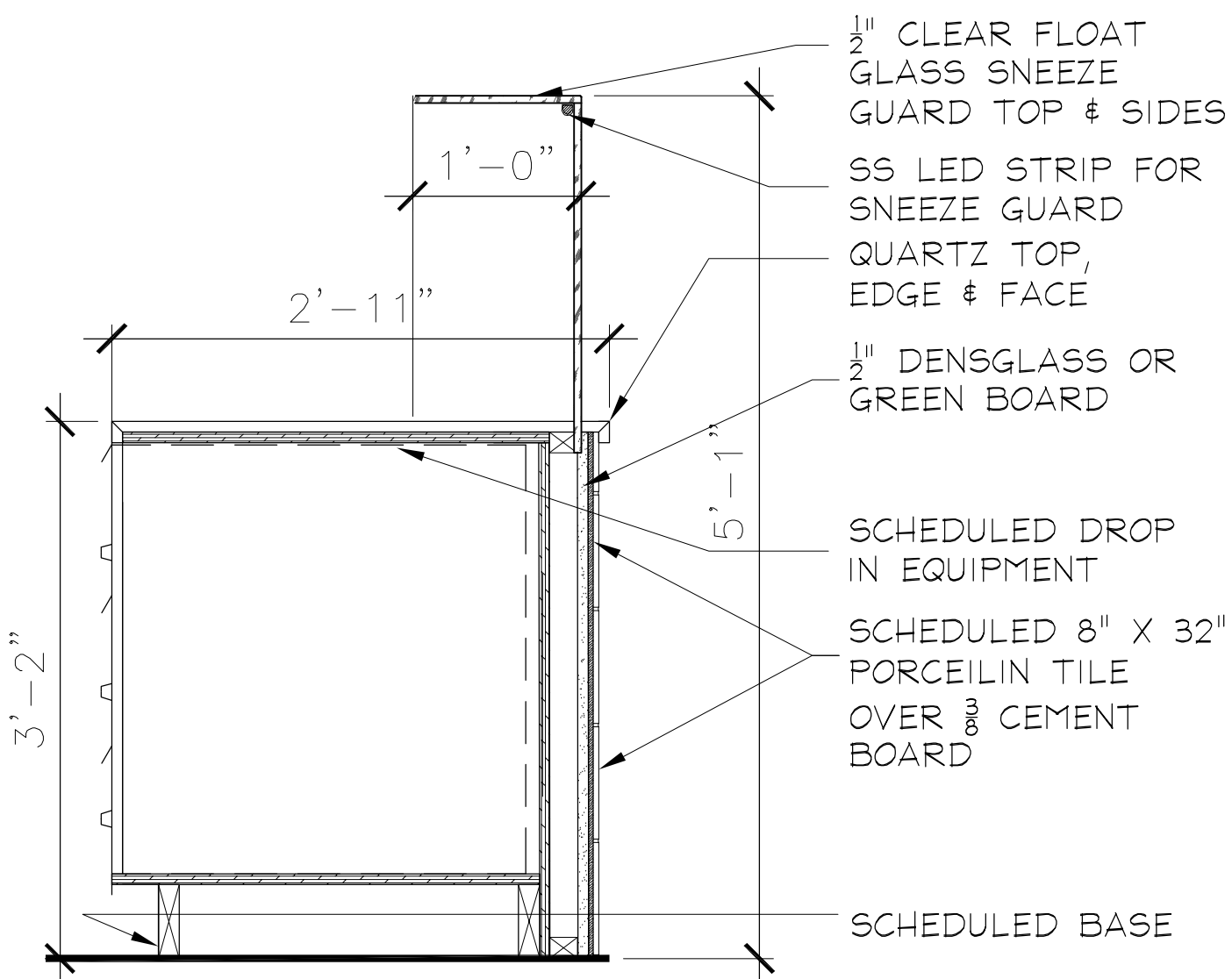
7 SECTION @ REF. GRAB-N-GO & RETAIL
A5.1 SCALE: 3/8"=1'-0"



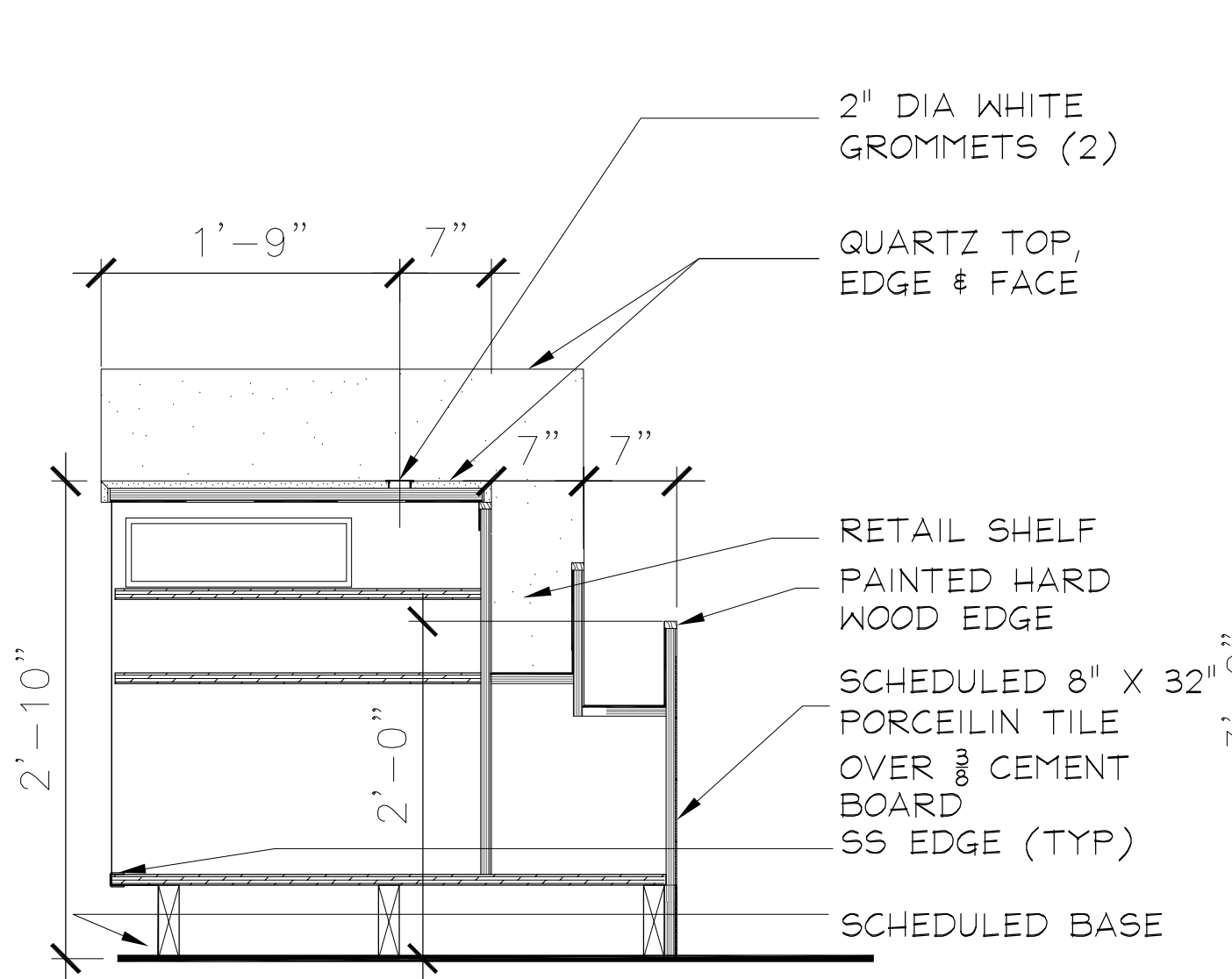
4 SECTION @ ESPRESSO MACH & UCR
A5.1 SCALE: 3/8"=1'-0"



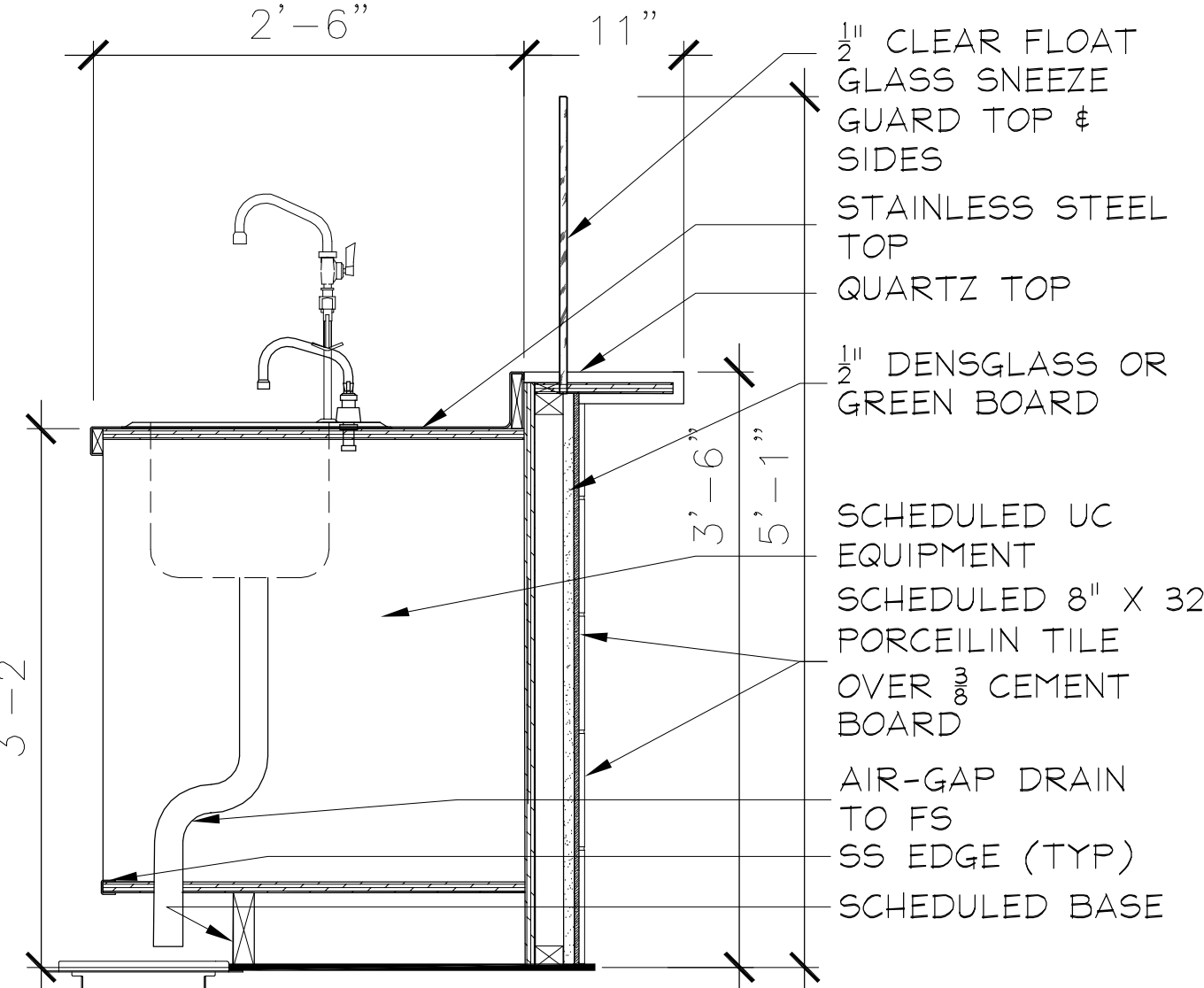
1 SECTION @ BACKLINE UCR
A5.1 SCALE: 3/8"=1'-0"



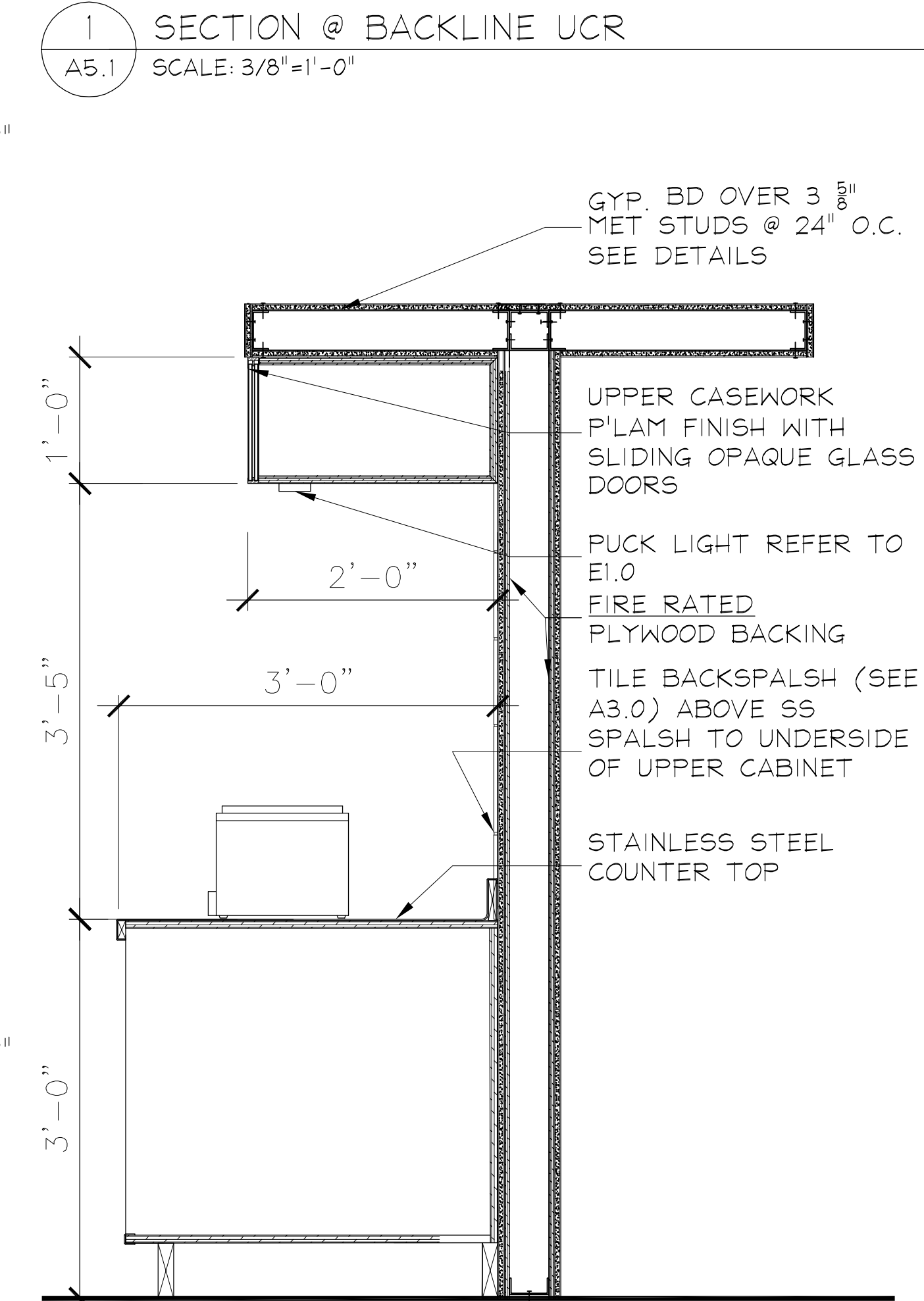
11 SECTION @ WARMER DRAWERS
A5.1 SCALE: 3"=1'-0"



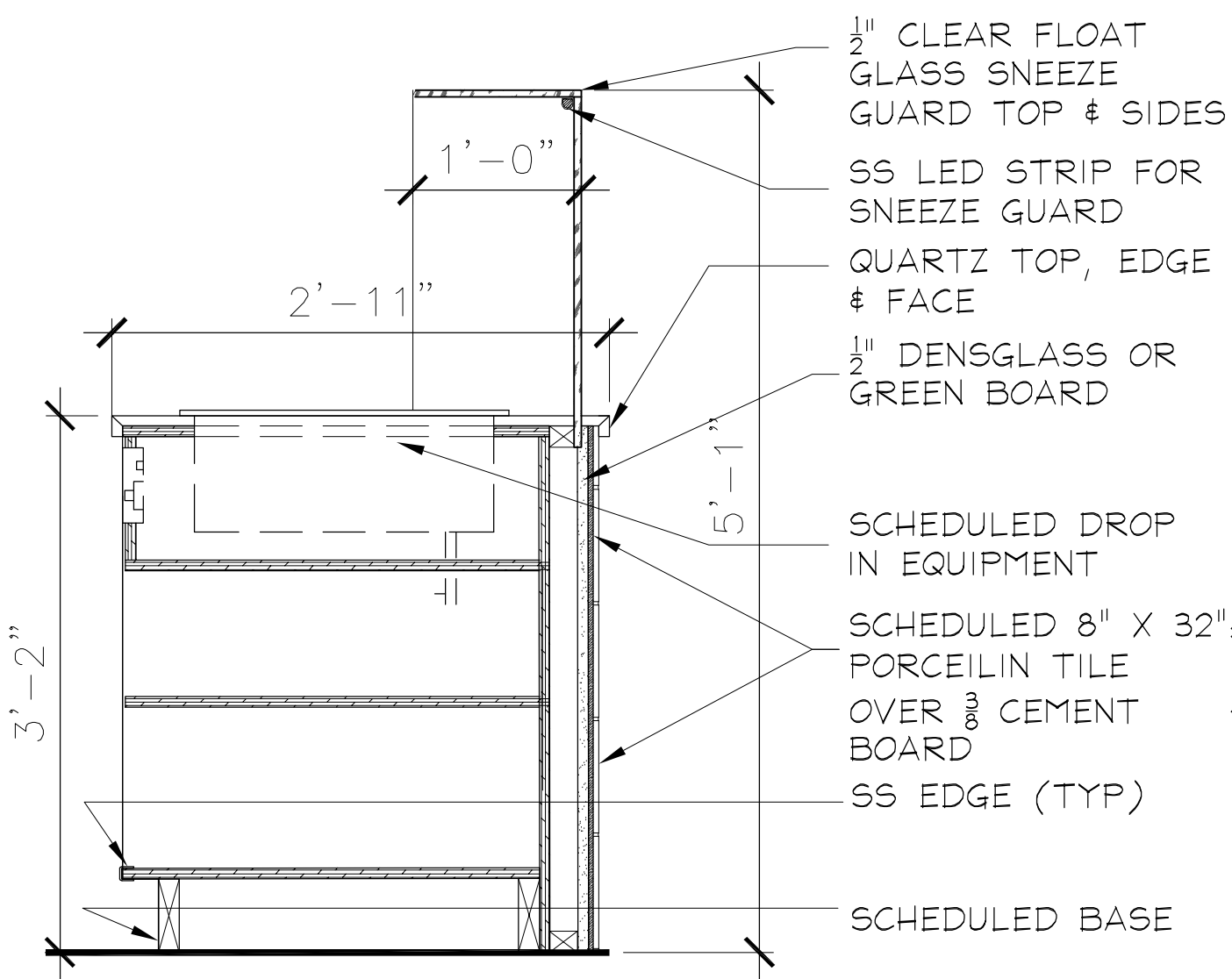
8 SECTION @ POS / PAY
A5.1 SCALE: 3/8"=1'-0"



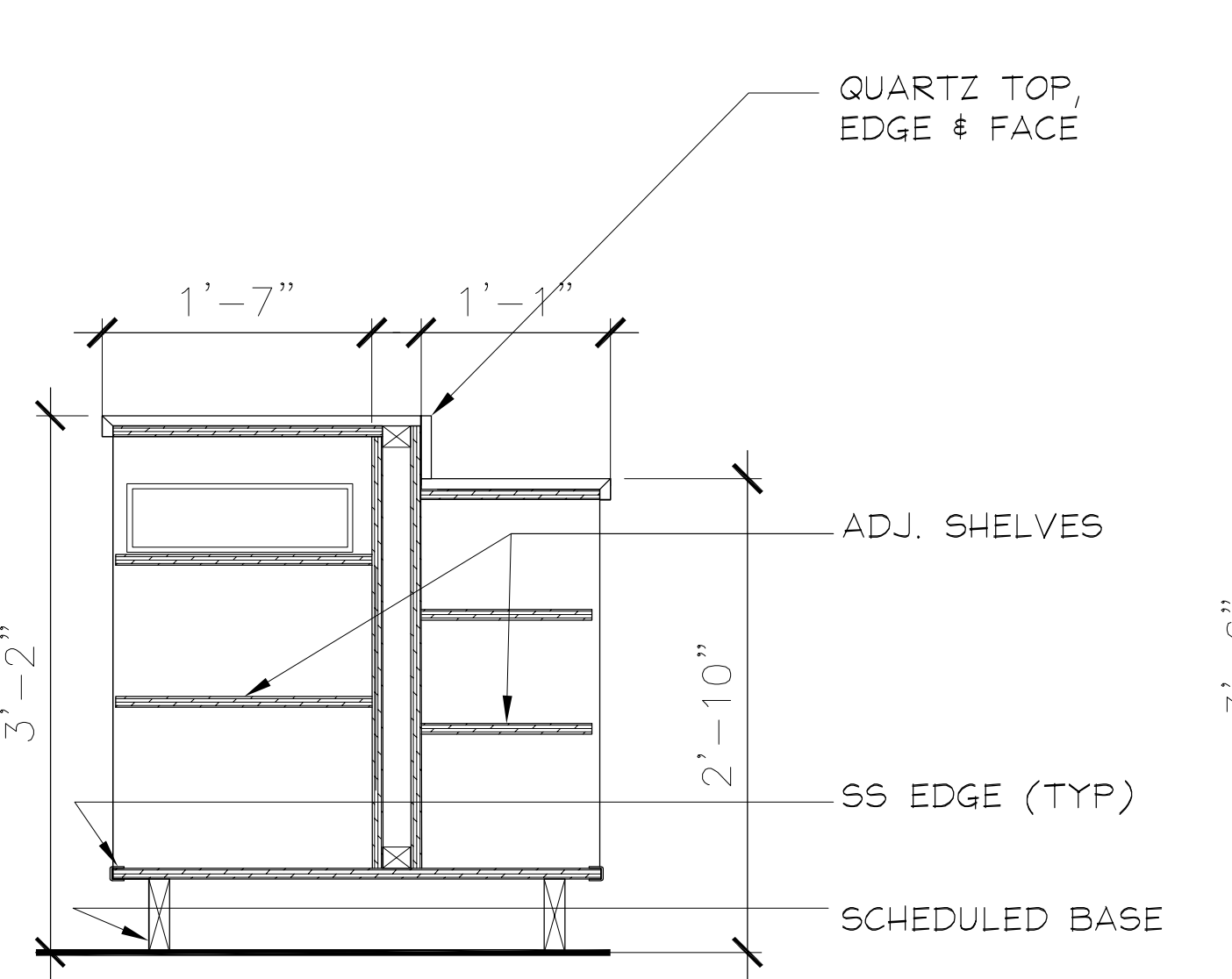
5 SECTION @ FRONTLINE SINK @ BARISTA
A5.1 SCALE: 3/8"=1'-0"



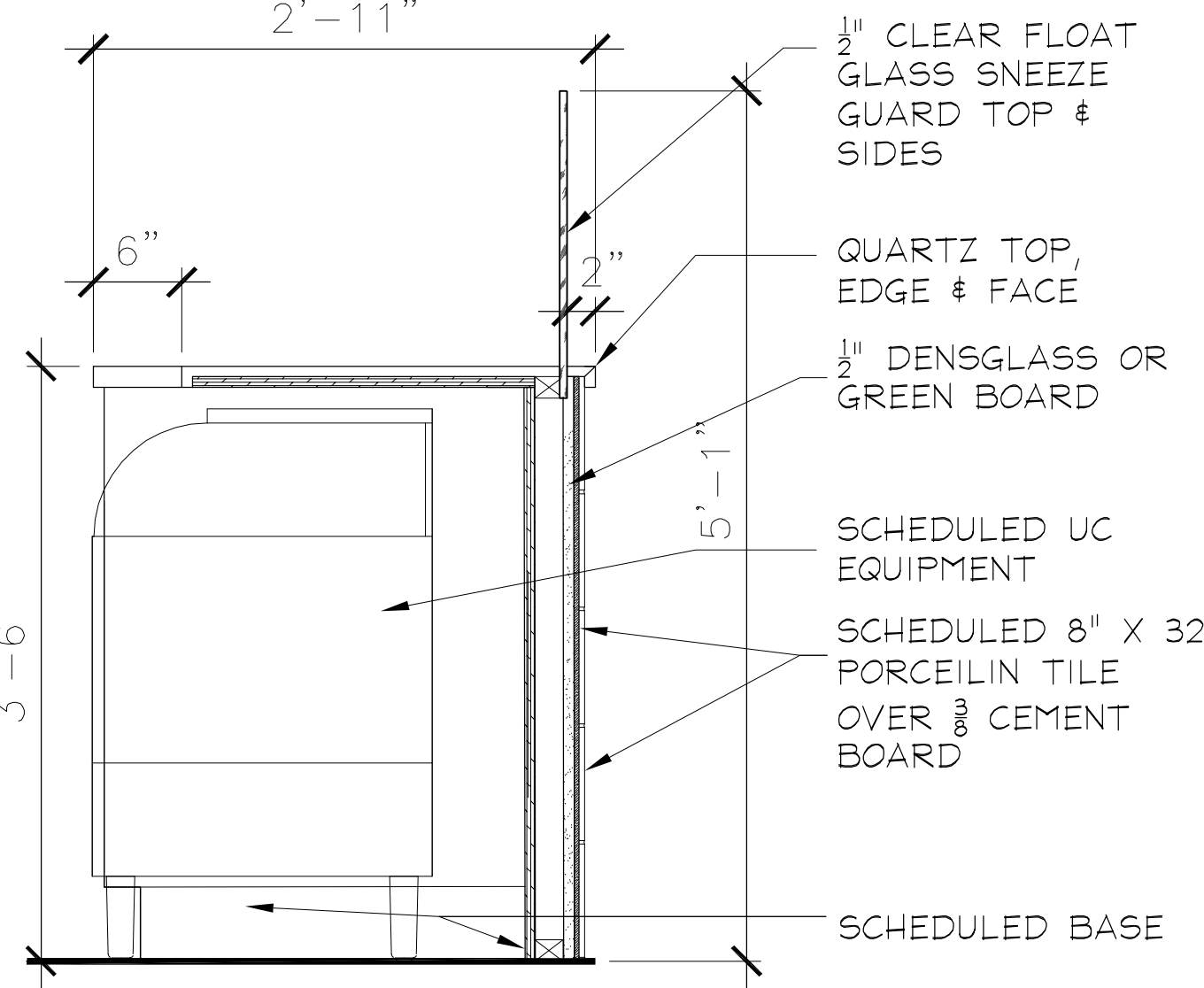
3 SECTION @ BACKLINE & SOFFIT
A5.1 SCALE: 3/8"=1'-0"



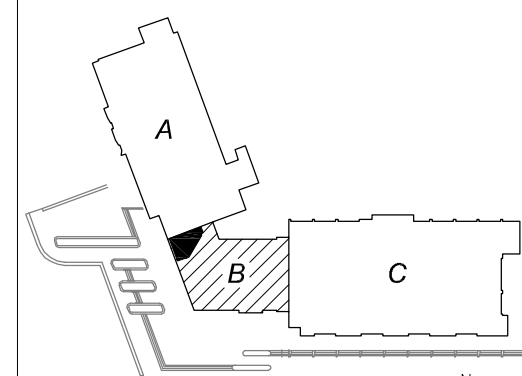
12 SECTION @ HOT WELL
A5.1 SCALE: 3"=1'-0"



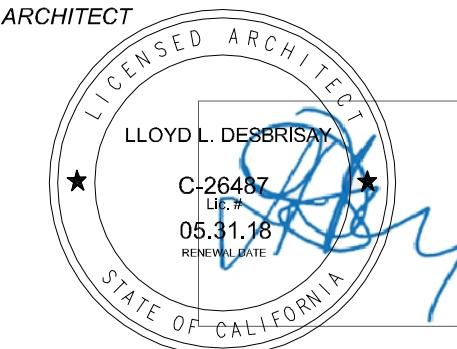
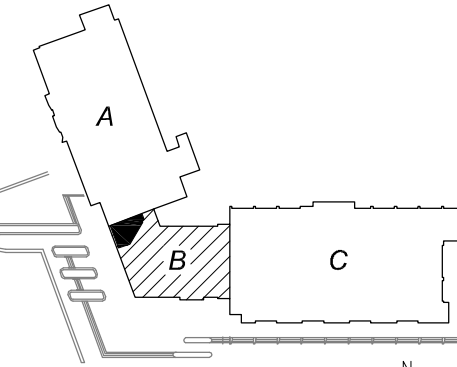
9 SECTION @ POS / ORDER
A5.1 SCALE: 3/8"=1'-0"



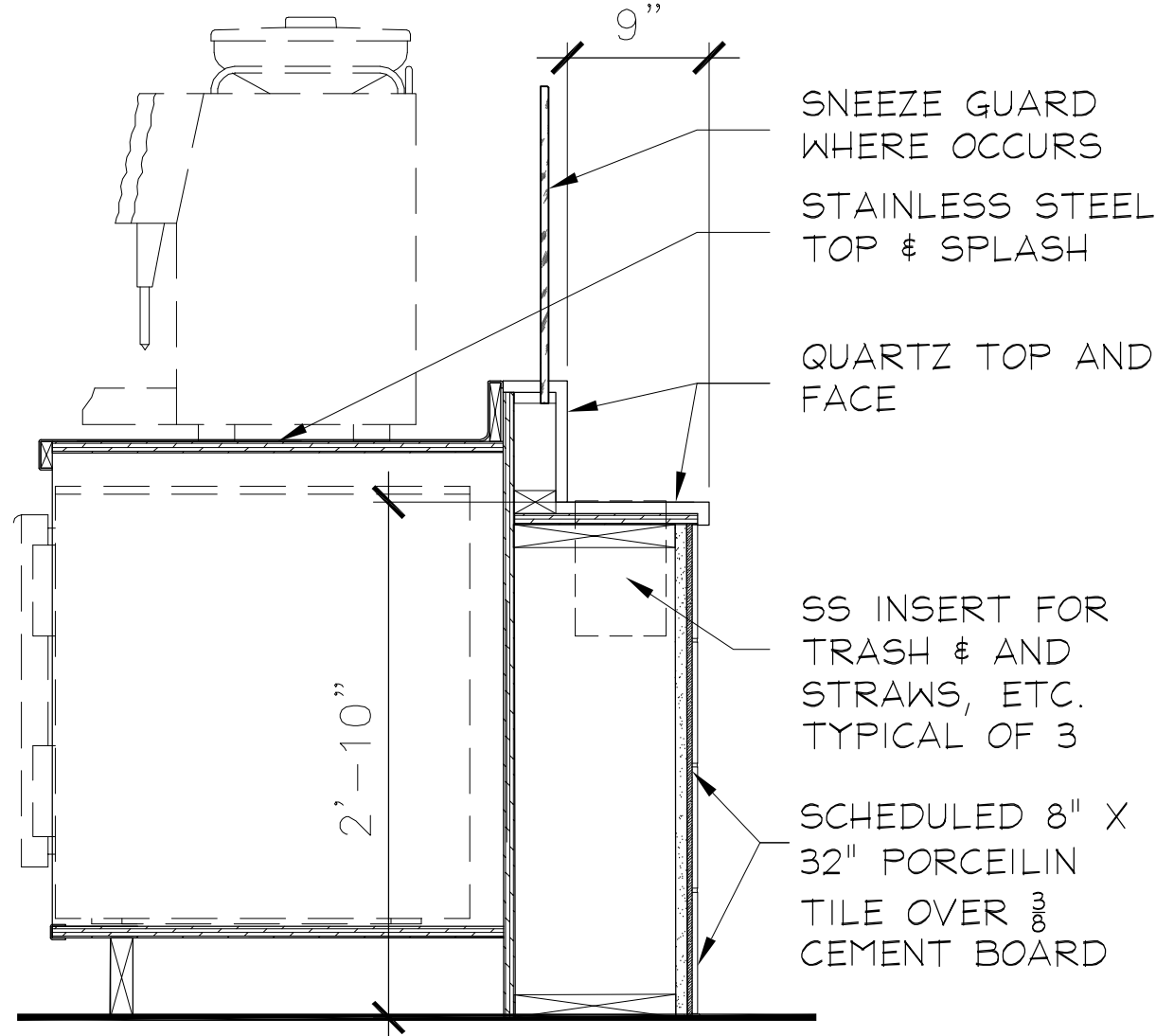
6 SECTION @ UC ICE MACHINE
A5.1 SCALE: 3/8"=1'-0"



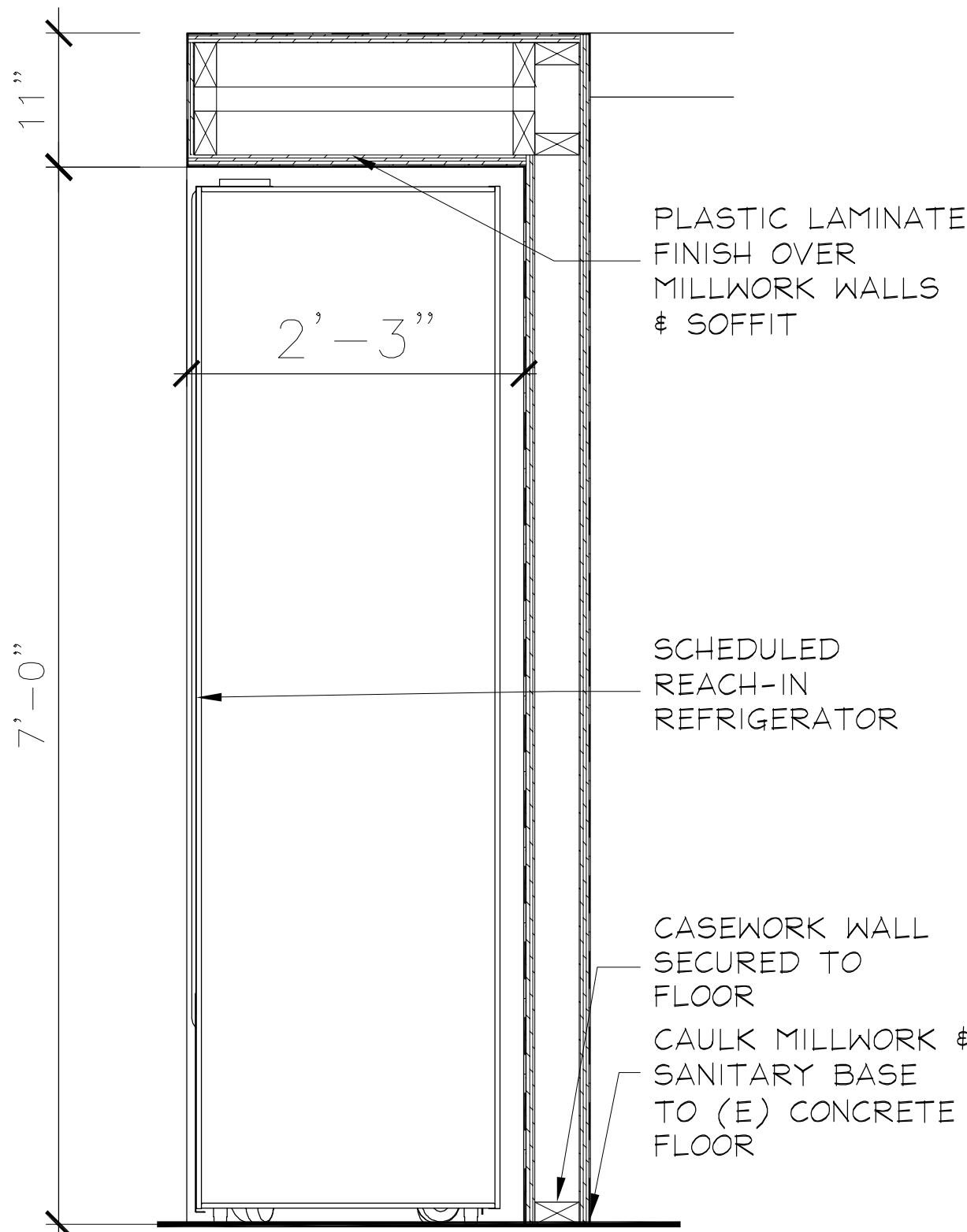
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UC FACILITIES REVIEW	06.06.17
FOR ENGINEERING	05.17.17
UPDATED FINAL	04.17.17
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PRELIMINARY	04.10.17



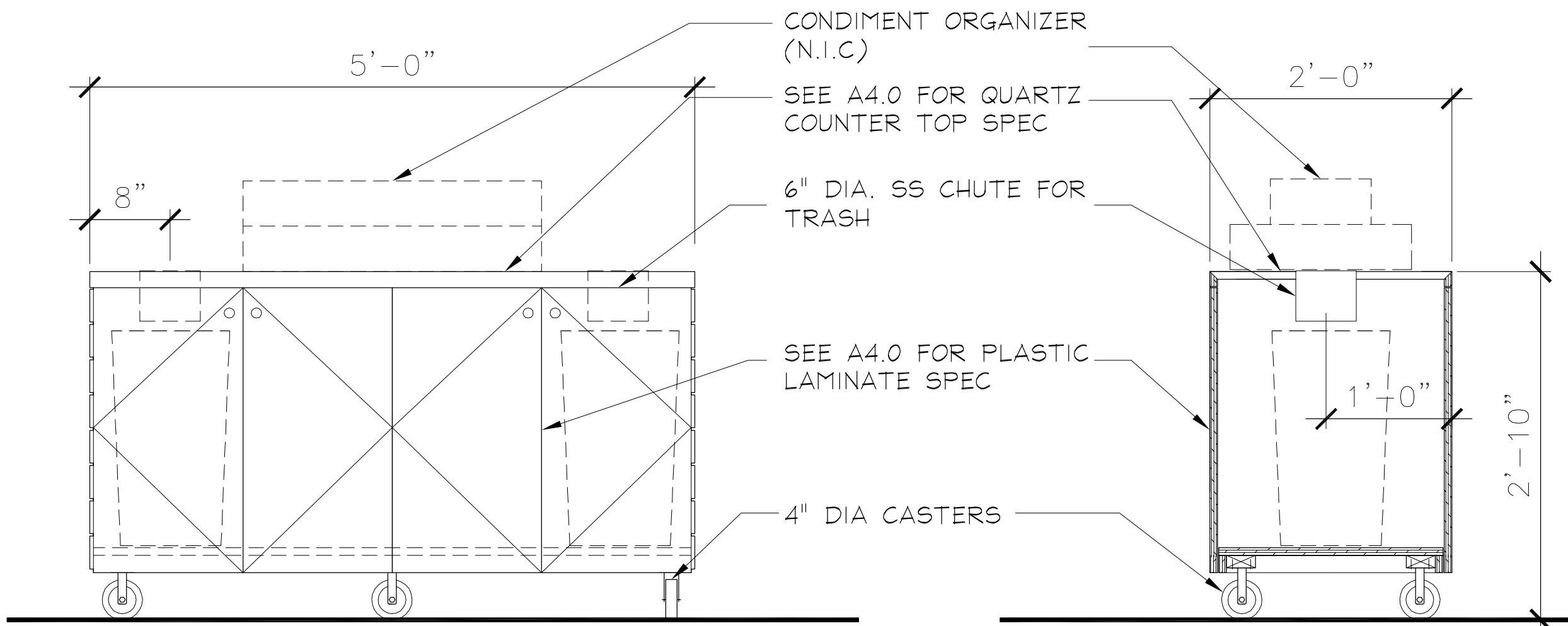
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UC FACILITIES REVIEW	06.06.17
FOR ENGINEERING	05.17.17
UPDATED FINAL	04.17.17
UPDATED PRELIM	04.12.17
PRELIMINARY	04.10.17



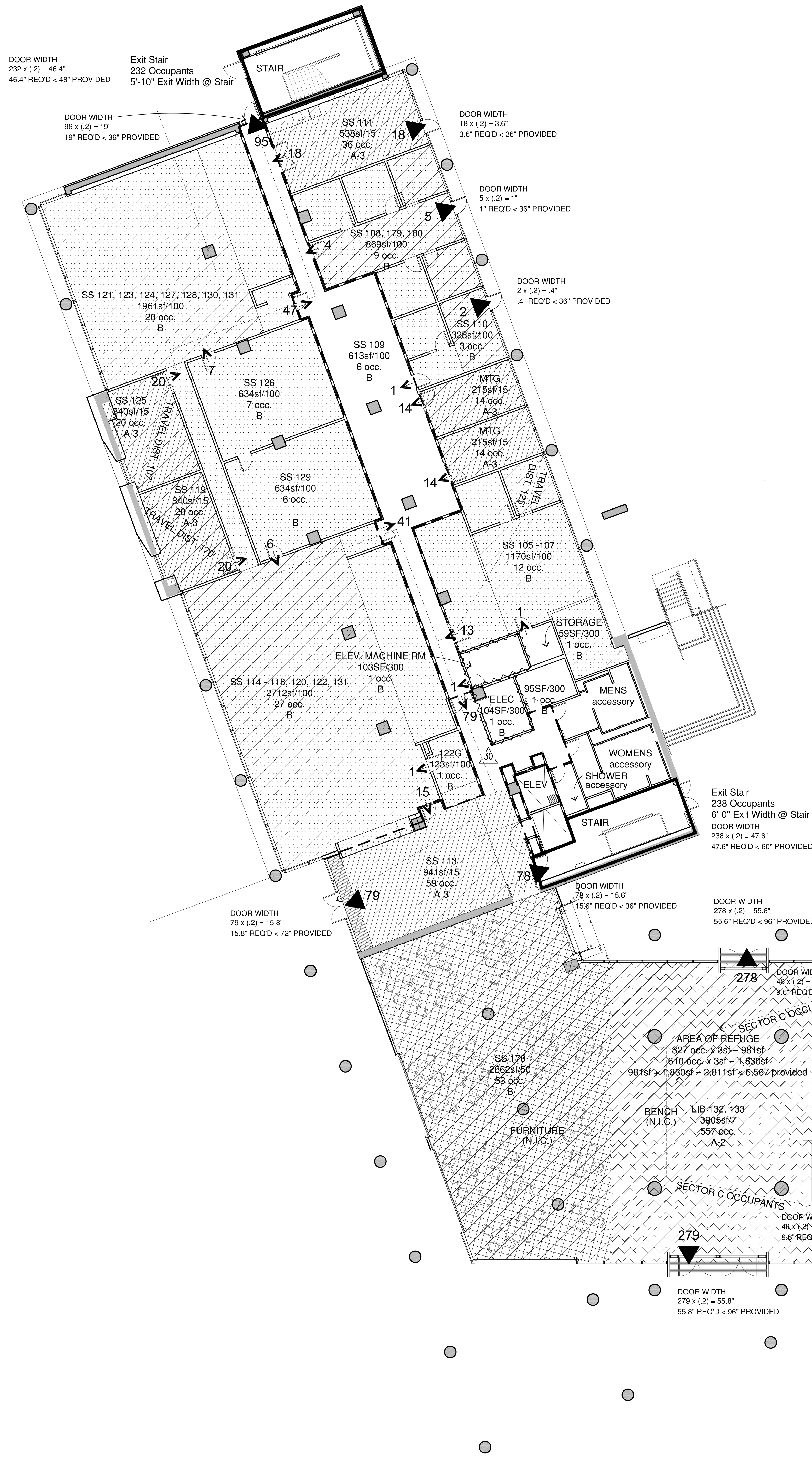
1 SECTION @ BARISTA CONDIMENT BAR
A5.2 SCALE: 3/8"=1'-0"



9 SECTION @ REACH-IN
A5.2 SCALE: 3/8"=1'-0"



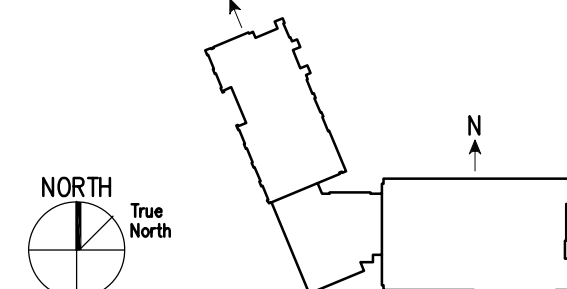
6 CONDIMENT STATION
A5.2 SCALE: 3/8"=1'-0"



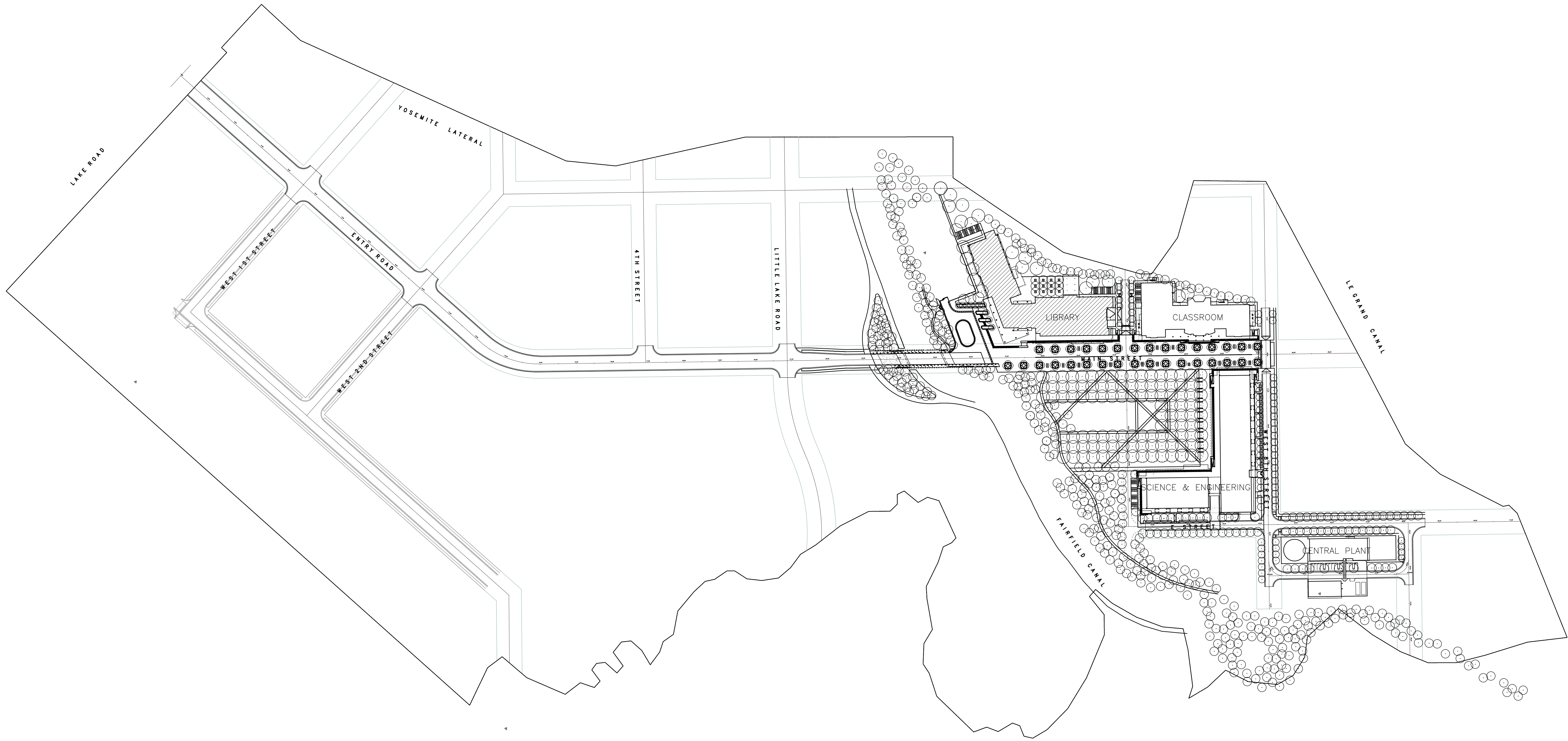
Legend

- 1-Hr. fire resistive construction
- 1-Hr. occupancy separation
- 2-Hr. occupancy separation
- 259 ► Total No. of occupants exiting through final exit.
- 340SF / 100 3 OCC. Square Footage/Occupant load factor Total Occupants
- 12 ➔ No. of occupants exiting through door (cumulative)
- TRAVEL DIST 100' ➔
- Stair Signage
- Office - B Occupancy (1:100)
- Library Stacks - B Occupancy (1:100)
- Reading Rooms - B Occupancy (1:50)
- Classrooms - B Occupancy (1:20)
- Storage - B Occupancy (1:300)
- Building Entry/Lobby A-2.1 Occupancy (1:7)
- Lounge A-3 Occupancy (1:15)
- Meeting/Conference Rooms A-3 Occupancy (1:15)

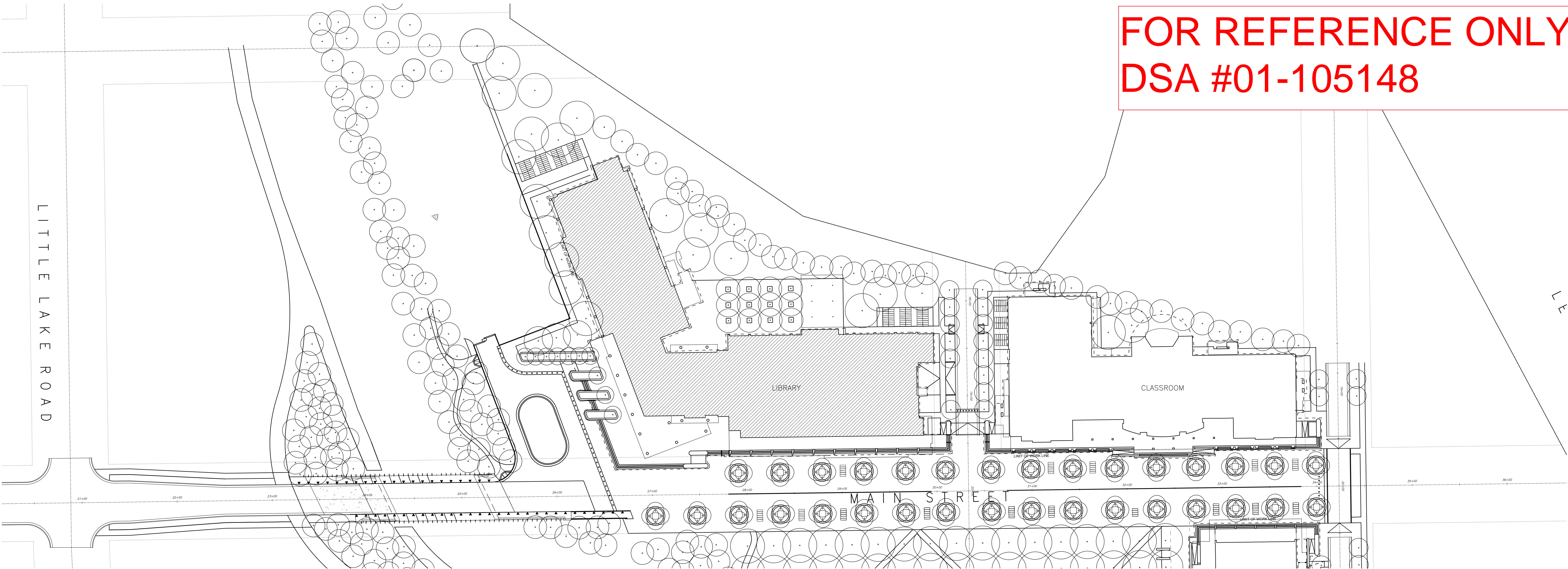
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04	100% DESIGN DEVELOPMENT	10 30 01
05	PRELIMINARY CD	08 28 02
06	50% CONSTRUCTION DOCUMENTS	09 13 02
07	PROGRESS PRINTING	11 15 02
08	100% CONSTRUCTION DOCUMENTS	12 02 02
09	ISSUED FOR PRICING	01 03 03
11	DSA APPROVAL	02 18 03
12	FIRE MARSHAL REVIEW	02 24 03
13	FIRE MARSHAL APPROVAL	03 12 03
14	V/E/CONSTRUCTABILITY REVIEW	03 25 03
15	ISSUED FOR BID	06 02 03
30	FM COMMENTS	07 08 05
34	RECORD DRAWING	10 31 08



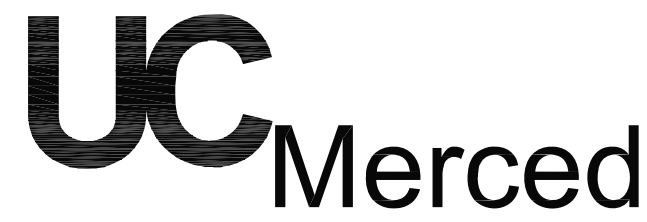
FOR REFERENCE ONLY
DSA # 01-105148



SITE PLAN
N.T.S. 3



FOR REFERENCE ONLY
DSA #01-105148



University of California
Merced, California

PROJECT NAME:
**Library Information
Technology Center**

PROJECT NUMBER:

ARCHITECTS

SOM

SKIDMORE OWINGS & MERRILL LLP
1 Front Street
San Francisco, California 94111
Tel: 415 391 1555
Fax: 415 398 3214

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

CONSULTANTS

SEAL AND SIGNATURE

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

APPL 01-105148

AC: FLS SS

DATE

FOR PURPOSES OF THIS APPROVAL DSA
IS APPROVING BUILDING ENVELOPE & INTERIOR.
THIS APPROVAL DOES NOT INCLUDE SITE WORK

DRAWING STAGE:

RECORD DRAWINGS

ISSUED FOR:

NO.	DESCRIPTION	DATE
10	DSA RESUBMITTAL	01 31 03
11	DSA APPROVAL	02 18 03
14	V/E/CONSTRUCTIBILITY REVIEW	03 25 03
15	ISSUED FOR BID	06 02 03
34	RECORD DRAWING	10 31 06

UNIVERSITY OF CALIFORNIA
MERCED

FIRE MARSHAL

CDP-OFFICE OF STATE FIRE MARSHAL

APPROVED

Approval of this plan does not authorize or approve
any violation or deviation from applicable regula-
tions. Final approval is subject to field inspection.
One set of approved plans shall be available on the
project site at all times.

Reviewed by: _____
Project #: 000040PA3342
Authorization #: 20003

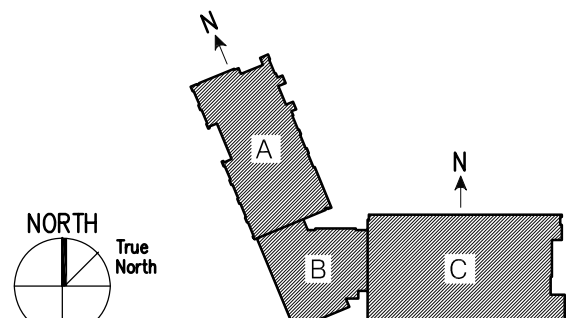
DRAWN BY: TEAM

REVISION DATE: 01 30 03

PLOT DATE: 01 30 03

SCALE: N.T.S.

KEY PLAN



DRAWING TITLE:

SITE PLAN

DRAWING NUMBER:

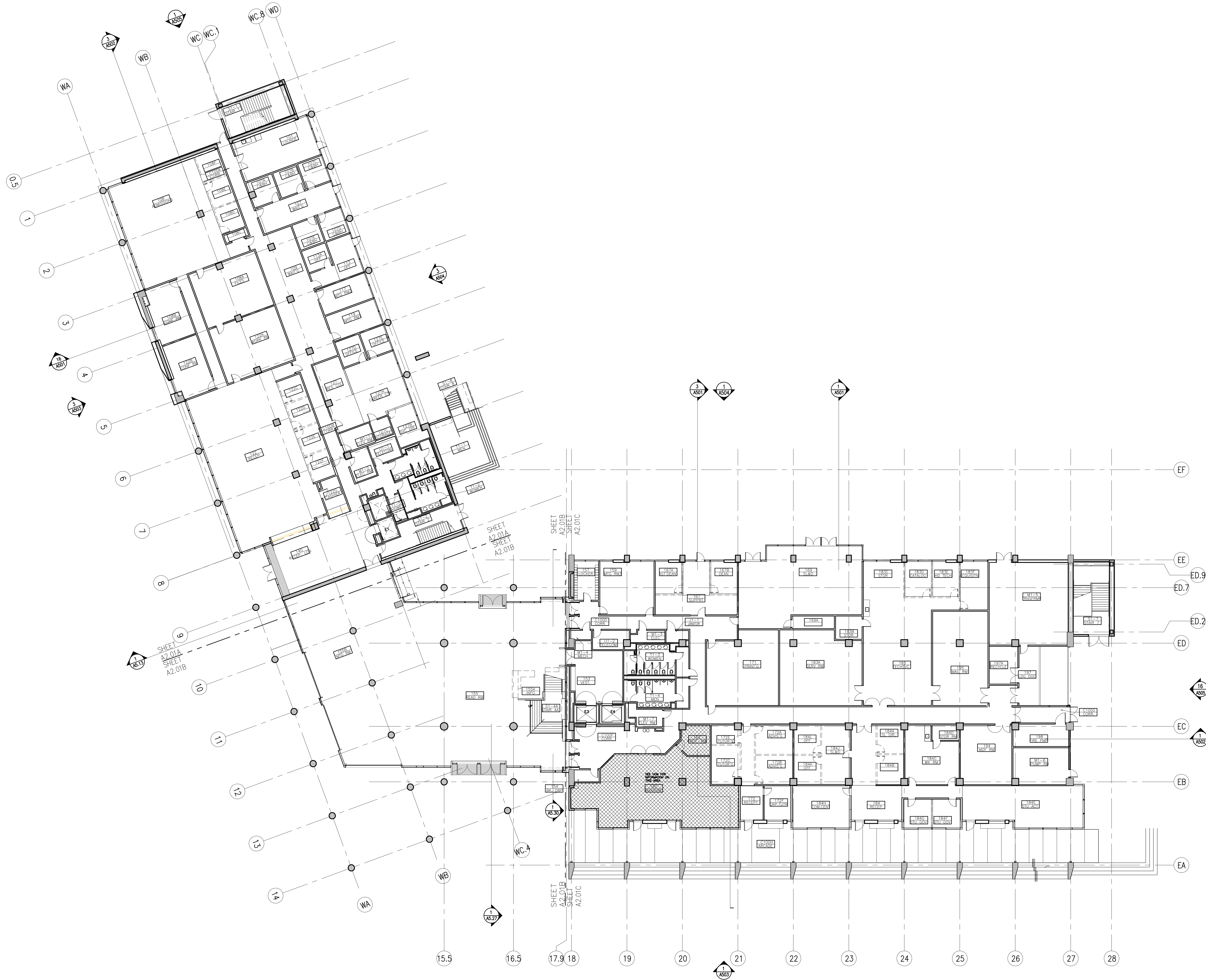
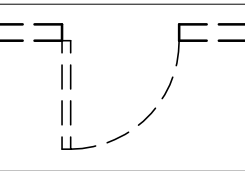
SITE PLAN
N.T.S. 1

A1.00

ISSUED FOR:		
NO.	DESCRIPTION	DATE
01	SCHEMATIC DESIGN	08 17 01
02	PROGRESS PRINT	09 28 01
03	90% DESIGN DEVELOPMENT	10 19 01
04	100% DESIGN DEVELOPMENT	10 30 01
05	PRELIMINARY CD	06 28 02
06	50% CONSTRUCTION DOCUMENTS	09 13 02
07	PROGRESS PRINTING	11 15 02
08	100% CONSTRUCTION DOCUMENTS	12 02 02
09	ISSUED FOR PRICING	01 31 03
10	ISA RESUBMITAL	01 31 03
11	ISA APPROVAL	02 18 03
12	FIRE MARSHALL REVIEW	02 24 03
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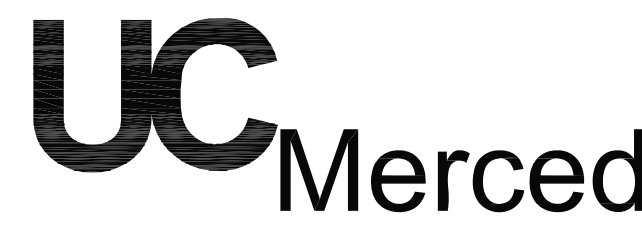
GENERAL NOTES

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



FOR REFERENCE ONLY
DSA # 01-105148

GROUND FLOOR PLAN 1



University of California
Merced, California

PROJECT NAME:
**Library Information
Technology Center**

PROJECT NUMBER:

ARCHITECTS
SOM
SKIDMORE OWINGS & MERRILL LLP
1 Front Street
San Francisco, California 94111
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Fax: 415 398 3214

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

CONSULTANTS

SEAL AND SIGNATURE

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

APPL 01-105148
AC _____ FLS _____ SS _____
DATE _____

FOR PURPOSES OF THIS APPROVAL DSA
IS APPROVING BUILDING ENVELOPE & INTERIOR.
THIS APPROVAL DOES NOT INCLUDE SITE WORK.

DRAWING STAGE:
RECORD DRAWINGS

NO.	DESCRIPTION	DATE
01	SCHEMATIC DESIGN	08 17 01
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13	FIRE MARSHAL APPROVAL	03 12 03
14	V/E/CONSTRUCTABILITY REVIEW	03 25 03
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16	RECORD DRAWING	12 31 06

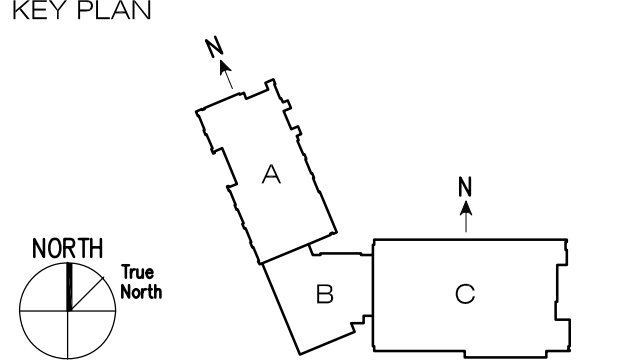
UNIVERSITY OF CALIFORNIA
MERCEDES
FIRE MARSHAL
CD-OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve
any construction or deviation from applicable regula-
tions. Final approval is subject to field inspection.
One set of approved plans shall be available on the
project site at all times.
Reviewed by: _____
Project # 2004000003342
Authorization # 20003

DRAWN BY: TEAM

REVISION DATE: 12 02 02

PLOT DATE: 12 02 02

SCALE: 1/16" = 1'-0"

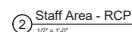


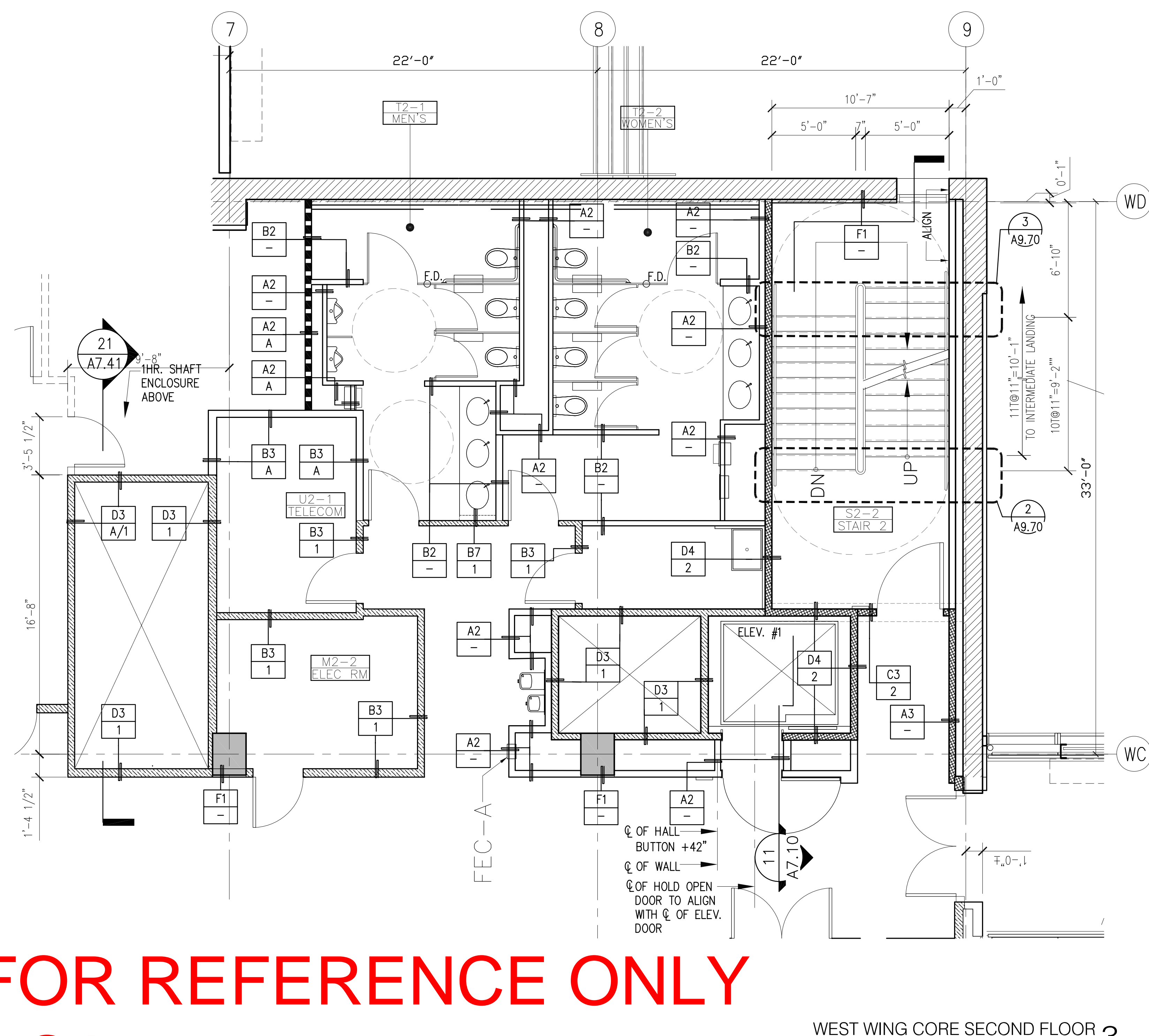
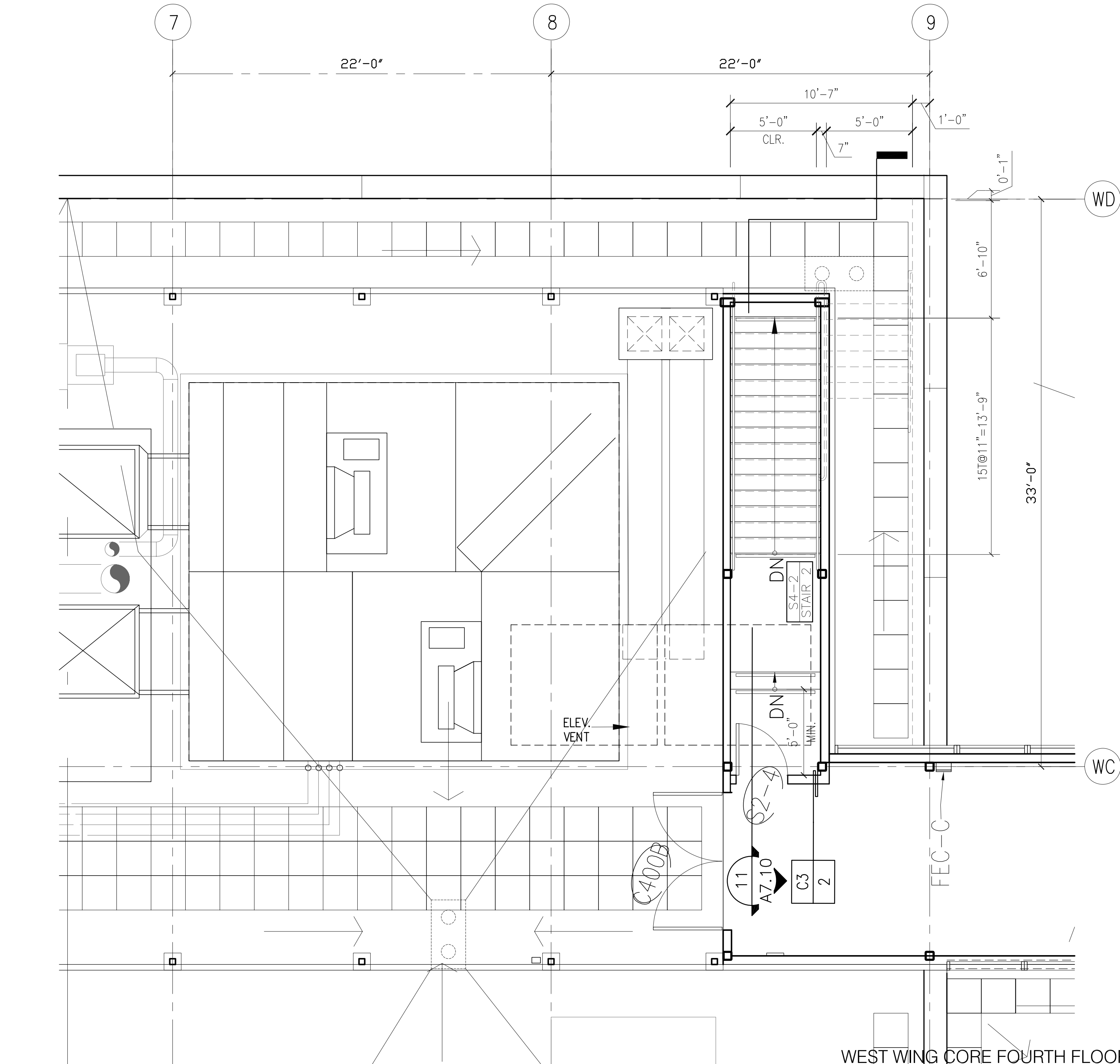
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**GROUND
FLOOR PLAN**

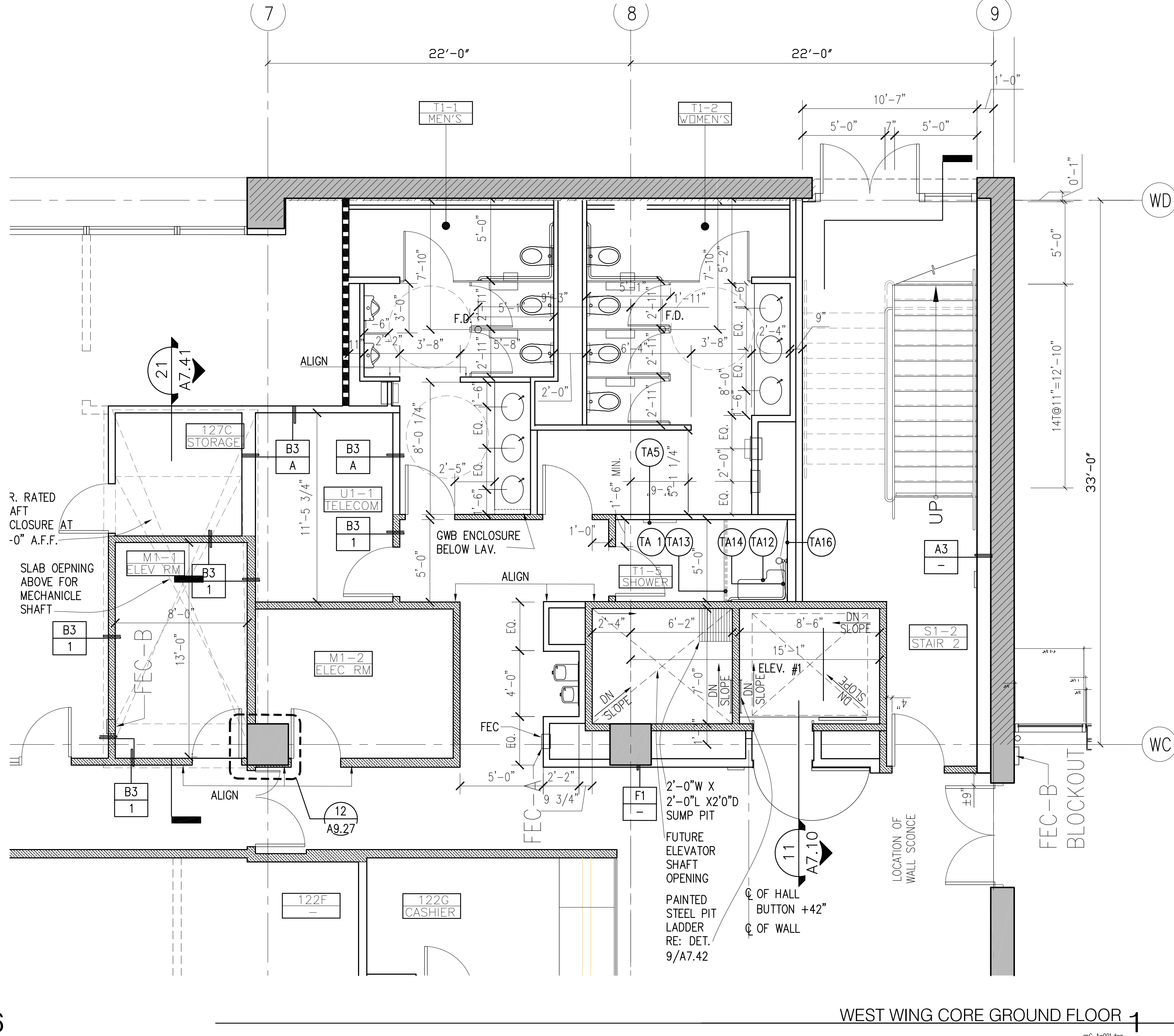
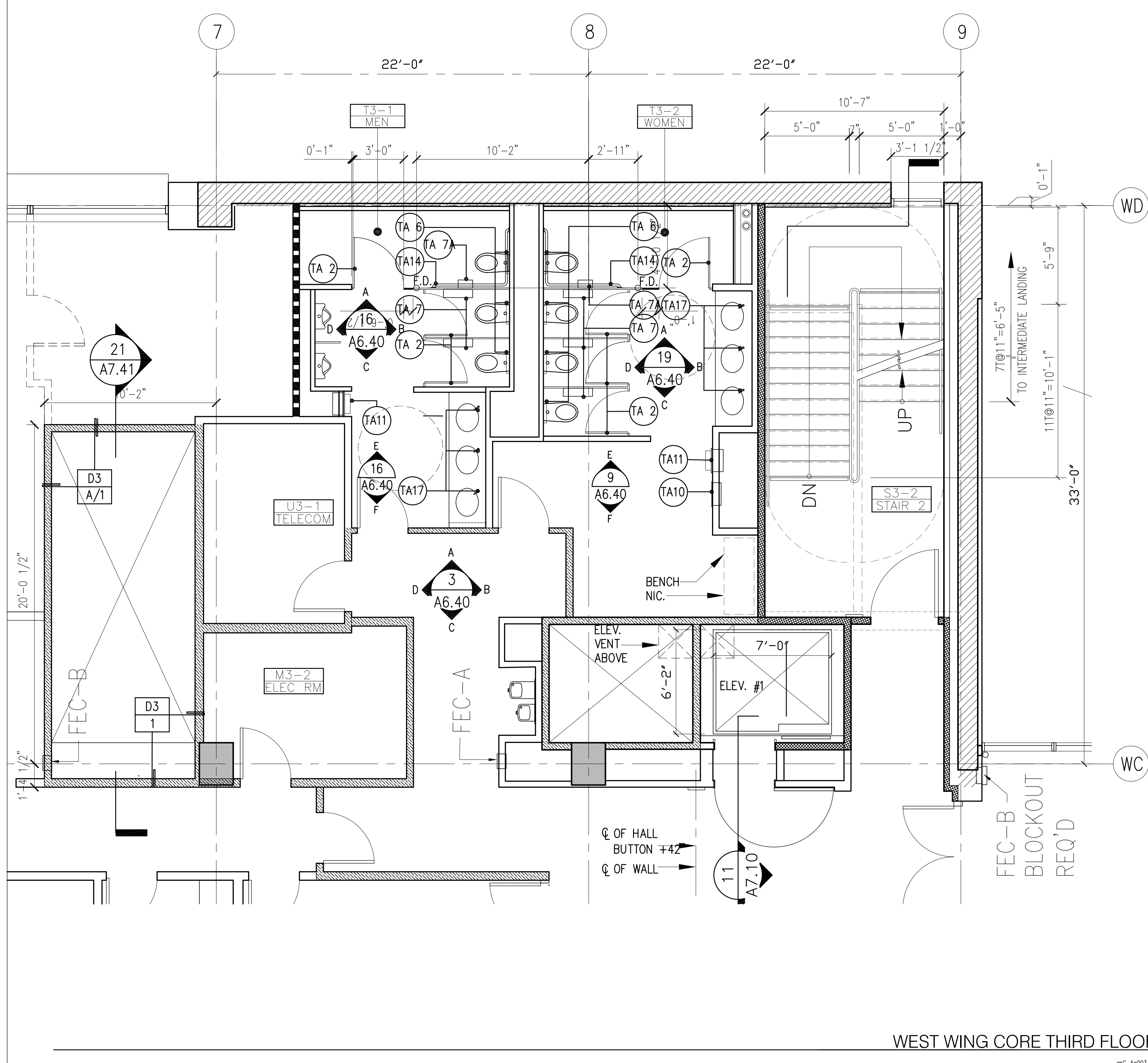
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A2.01





FOR REFERENCE ONLY
DSA #01-105148



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 LABORATORY 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

UC Merced

University of California
Merced, California

PROJECT NAME:

Library Information
Technology Center

PROJECT NUMBER:

ARCHITECTS

SOM

SKIDMORE OWINGS & MERRILL LLP
1 Front Street
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2512 - 9th Street, No. 2
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Fax 510 848 4532

CONSULTANTS

SEAL AND SIGNATURE

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

APPL 01-105148

AC FLS SS

DATE

FOR PURPOSES OF THIS APPROVAL DSA
IS APPROVING BUILDING ENVELOPE & INTERIOR.
THIS APPROVAL DOES NOT INCLUDE SITE WORK.

DRAWING STAGE:

RECORD DRAWINGS

ISSUED FOR:

NO.	DESCRIPTION	DATE
01	SCHEMATIC DESIGN	08 17 01
02	PROGRESS PRINT	09 28 01
03	BOX DESIGN DEVELOPMENT	10 19 01
04	100% DESIGN DEVELOPMENT	10 30 01
05	PRELIMINARY CD	06 28 02
06	50% CONSTRUCTION DOCUMENTS	09 13 02
07	PROGRESS PRINTING	11 15 02
08	100% CONSTRUCTION DOCUMENTS	12 02 02
09	ISSUED FOR PRICING	01 03 03
10	DSA RESUBMITTAL	01 31 03
11	DSA APPROVAL	02 18 03
12	FIRE MARSHALL REVIEW	02 24 03
13	V/L/CONSTRUCTABILITY REVIEW	03 25 03
14	ISSUED FOR BID	06 02 03
15	BID RELEASE 2	05 10 04
31	BULLETIN 28	10 07 09
34	RECORD DRAWING	10 31 06

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MERCEDE

FIRE MARSHALL
CD-OFFICE OF STATE FIRE MARSHALL

Approval of this plan does not authorize or approve
any omission or deviation from applicable regula-
tions. Final approval is subject to field inspection.
One set of approved plans shall be available on the
project site at all times.

Reviewed by:
Project # 020040P/A3342
Authorization # 20003

DRAWN BY:

TEAM

REVISION DATE:

12 02 02

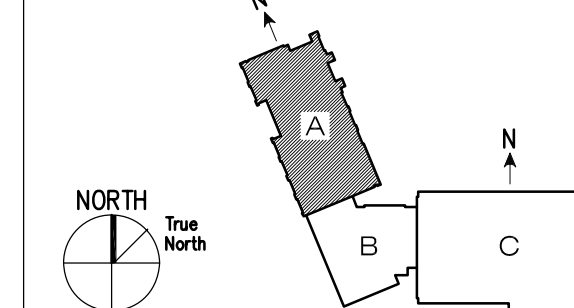
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12 02 02

SCALE:

1/4" = 1'-0"

KEY PLAN



DRAWING TITLE:

ENLARGED
CORE PLANS
WEST WING

DRAWING NUMBER:

RECD JOB NO. REF. NO.

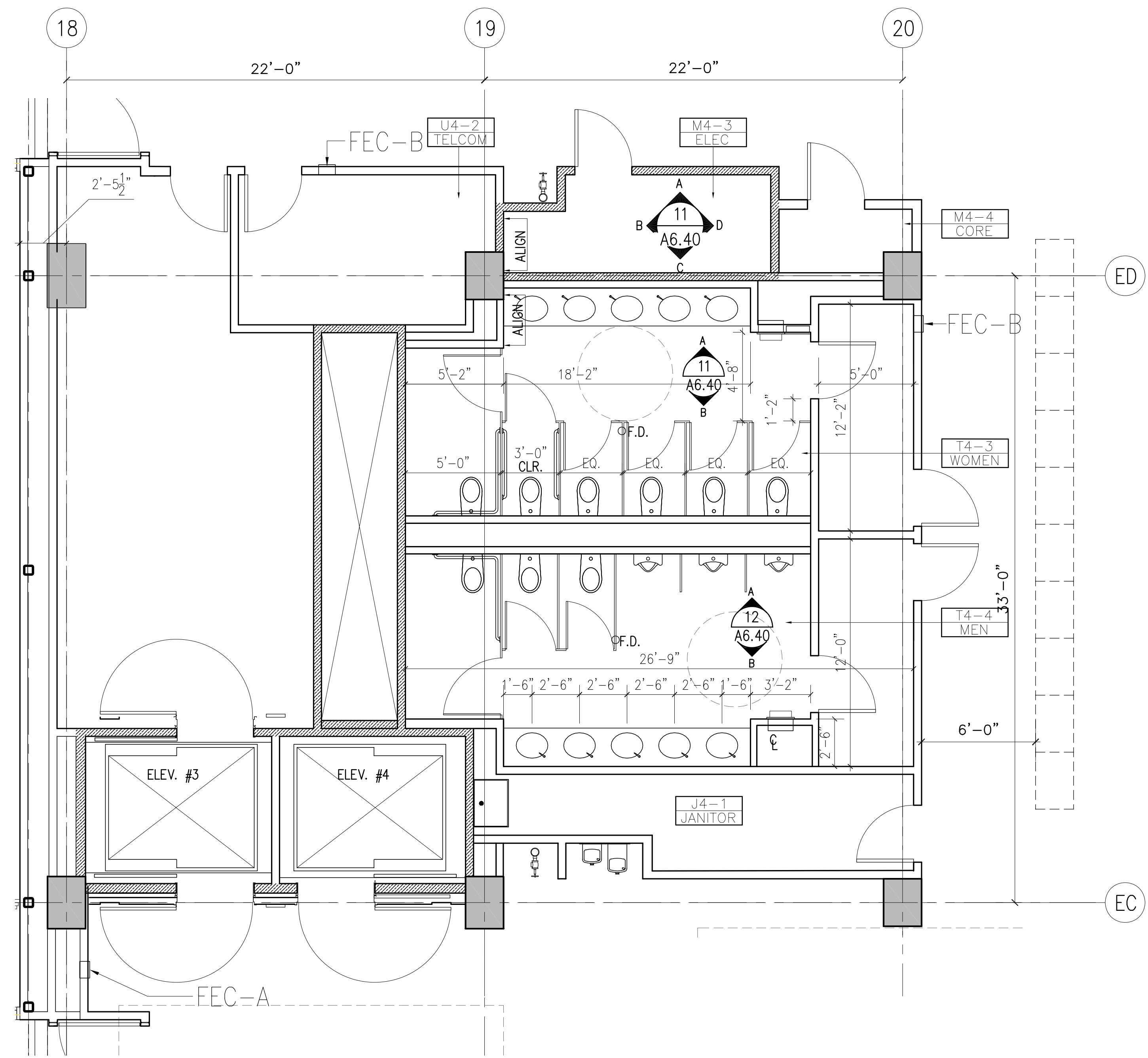
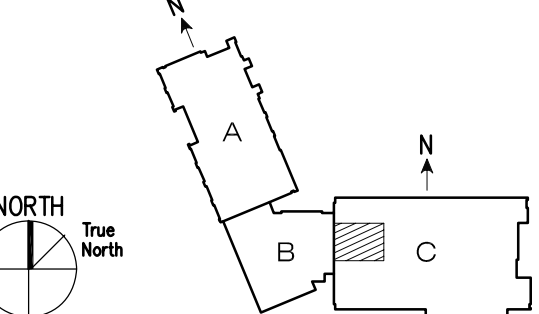
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SWINERTON BUILDERS

A3.10

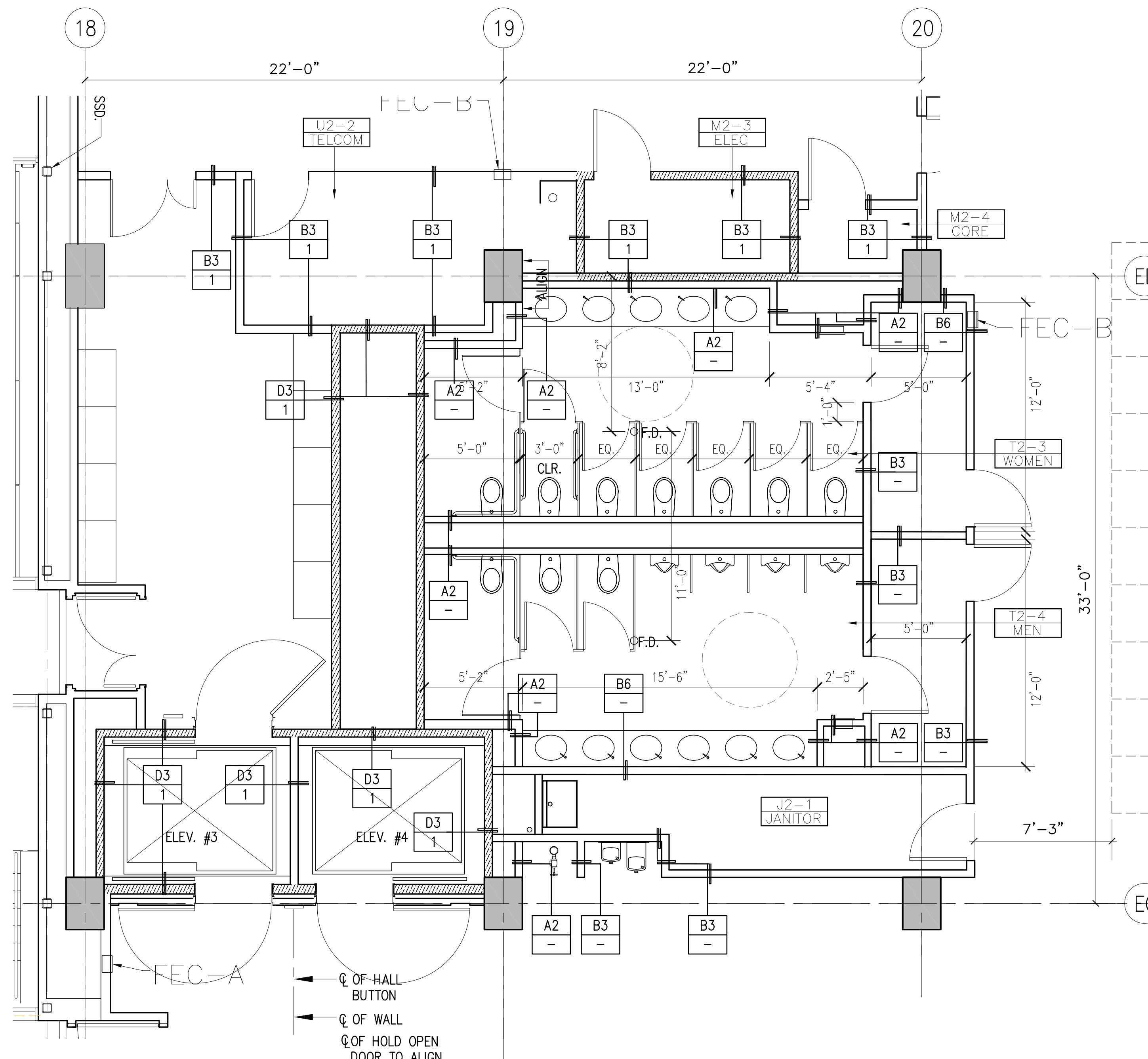
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NO.	DESCRIPTION	DATE
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08	100% CONSTRUCTION DOCUMENTS	12 02 02
09	ISSUED FOR PRICING	01 03 03
10	DSA RESUBMITTAL	01 31 03
11	DSA APPROVAL	02 18 03
12	FIRE MARSHAL REVIEW	02 24 03
14	V/E/CONSTRUCTIBILITY REVIEW	03 25 03
15	ISSUED FOR BID	06 02 03
34	RECORD DRAWING	10 31 06



EAST WING CORE FOURTH FLOOR 18

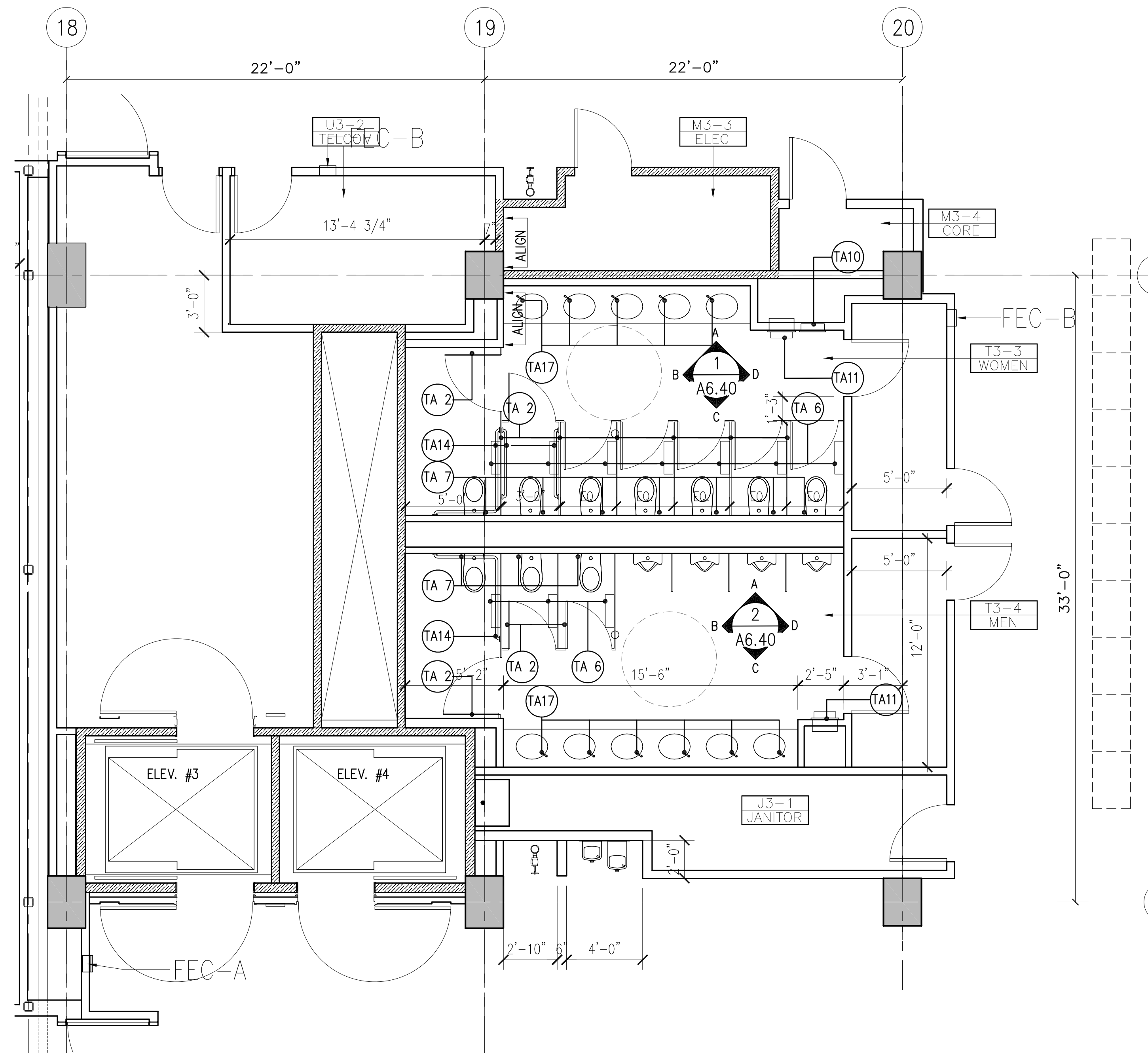
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EAST WING CORE SECOND FLOOR 3

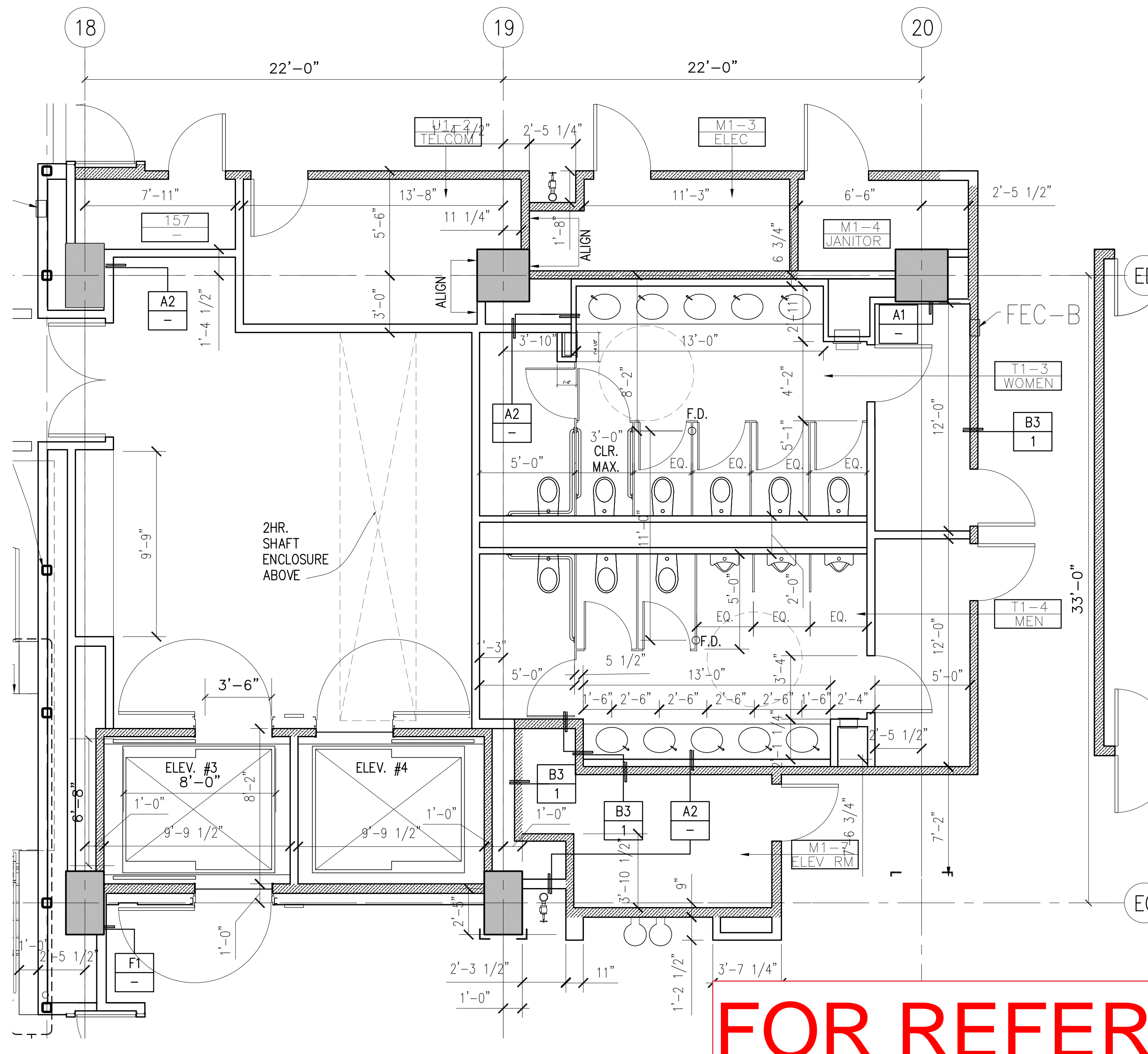
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NOTE: REFER TO DRAWING #16 FOR TOILET ACCESSORIES
REFER TO DRAWING #1 FOR ADDITIONAL DIMENSIONS



EAST WING CORE THIRD FLOOR 16

uc_A403.dwg



EAST WING CORE GROUND FLOOR 1

uc_A403.dwg

NOTE: REFER TO DRAWING #3 FOR PARTITION TYPES
REFER TO DRAWING #16 FOR TOILET ACCESSORIES

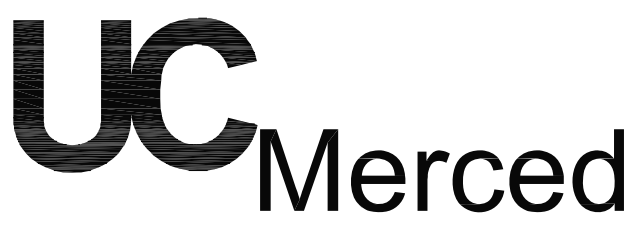
FOR REFERENCE ONLY
DSA #01-105148 ~ ~ ~

NOTE: REFER TO DRAWING #3 FOR PARTITION TYPES
AND DIMENSIONS

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

GENERAL NOTES:

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



University of California
Merced, California

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AC FLR SS

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FOR PURPOSES OF THIS APPROVAL DSA
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THIS APPROVAL DOES NOT INCLUDE SITE WORK

DRAWING STAGE:

RECORD DRAWINGS

ISSUED FOR:

NO.	DESCRIPTION	DATE
07	PROGRESS PRINTING	11 15 02
08	100% CONSTRUCTION DOCUMENTS	12 02 02
09	ISSUED FOR PRICING	01 03 03
10	DSA RESUBMITAL	01 31 03
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13	V/E/CONSTRUCTIONABILITY REVIEW	03 25 03
14	ISSUED FOR BID	06 02 03
15	BID RELEASE 2	05 10 04
34	RECORD DRAWING	10 31 06

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FIRE MARSHALL

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APPROVED

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Reviewed by:

Project # 090040P/A3342

Authorization # 20003

DRAWN BY:

TEAM

REVISION DATE:

12 02 02

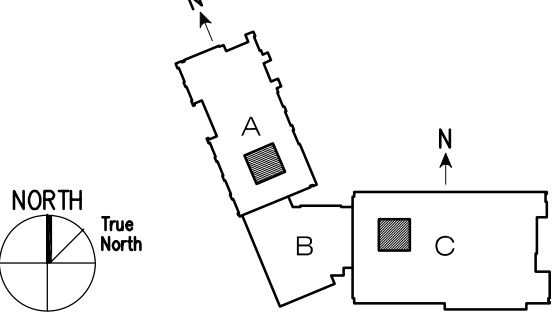
PLOT DATE:

12 02 02

SCALE:

1/4" = 1'-0"

KEY PLAN



DRAWING TITLE:

INTERIOR
TOILET ROOM
ELEVATIONS
AREAS A&C

DRAWING NUMBER:

RECD JOB NO. REF. NO.

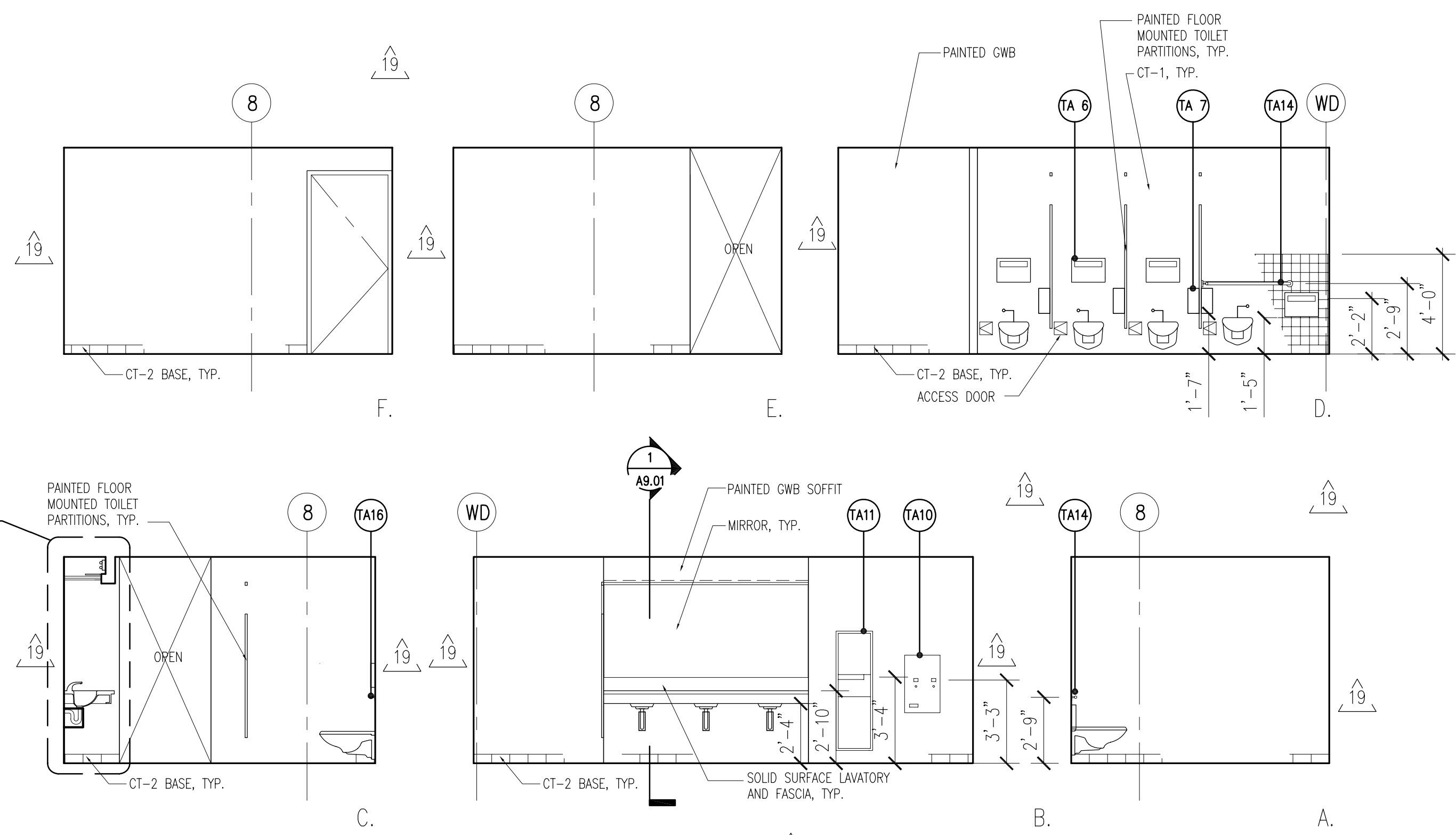
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SWINERTON BUILDERS

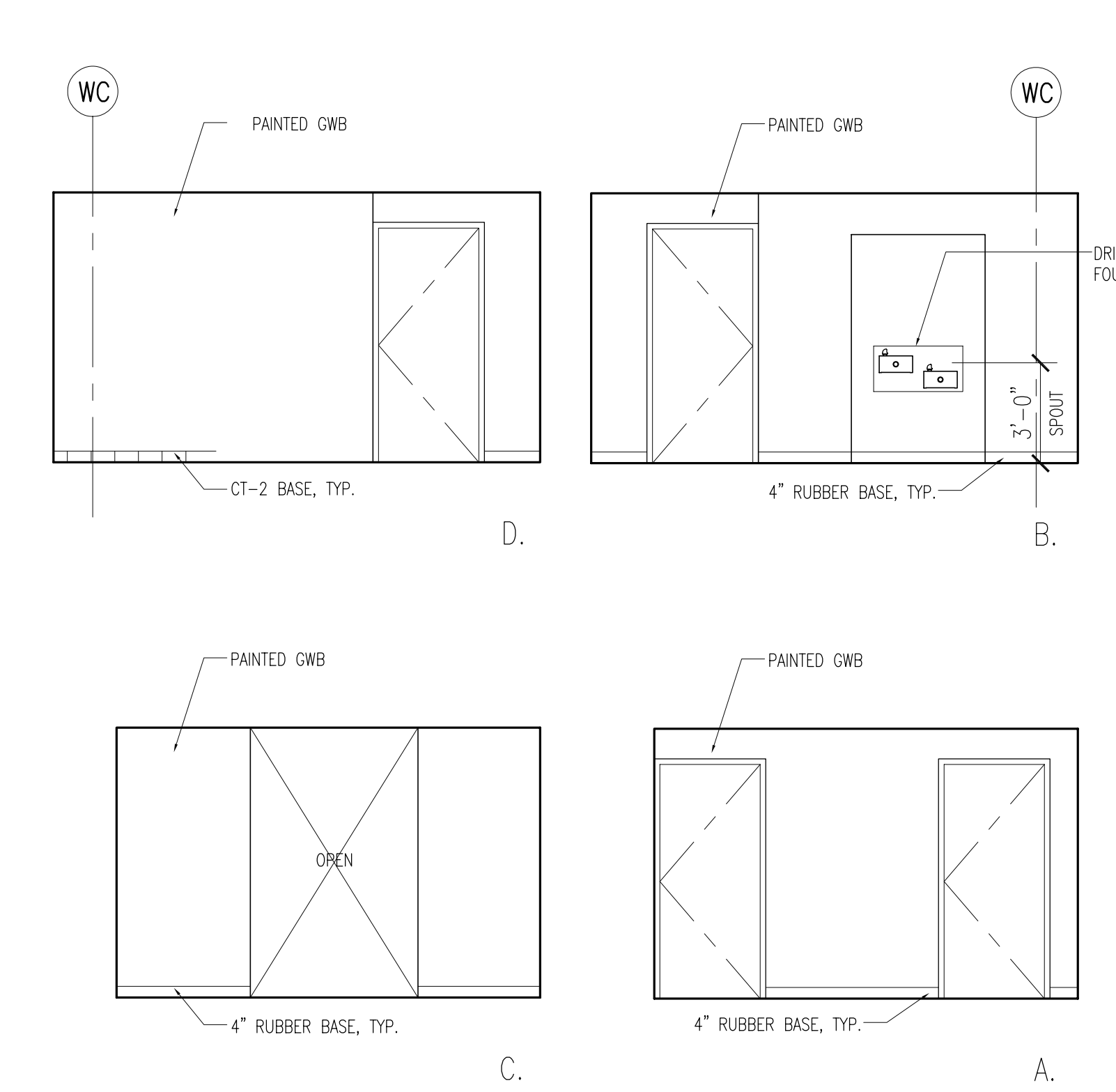
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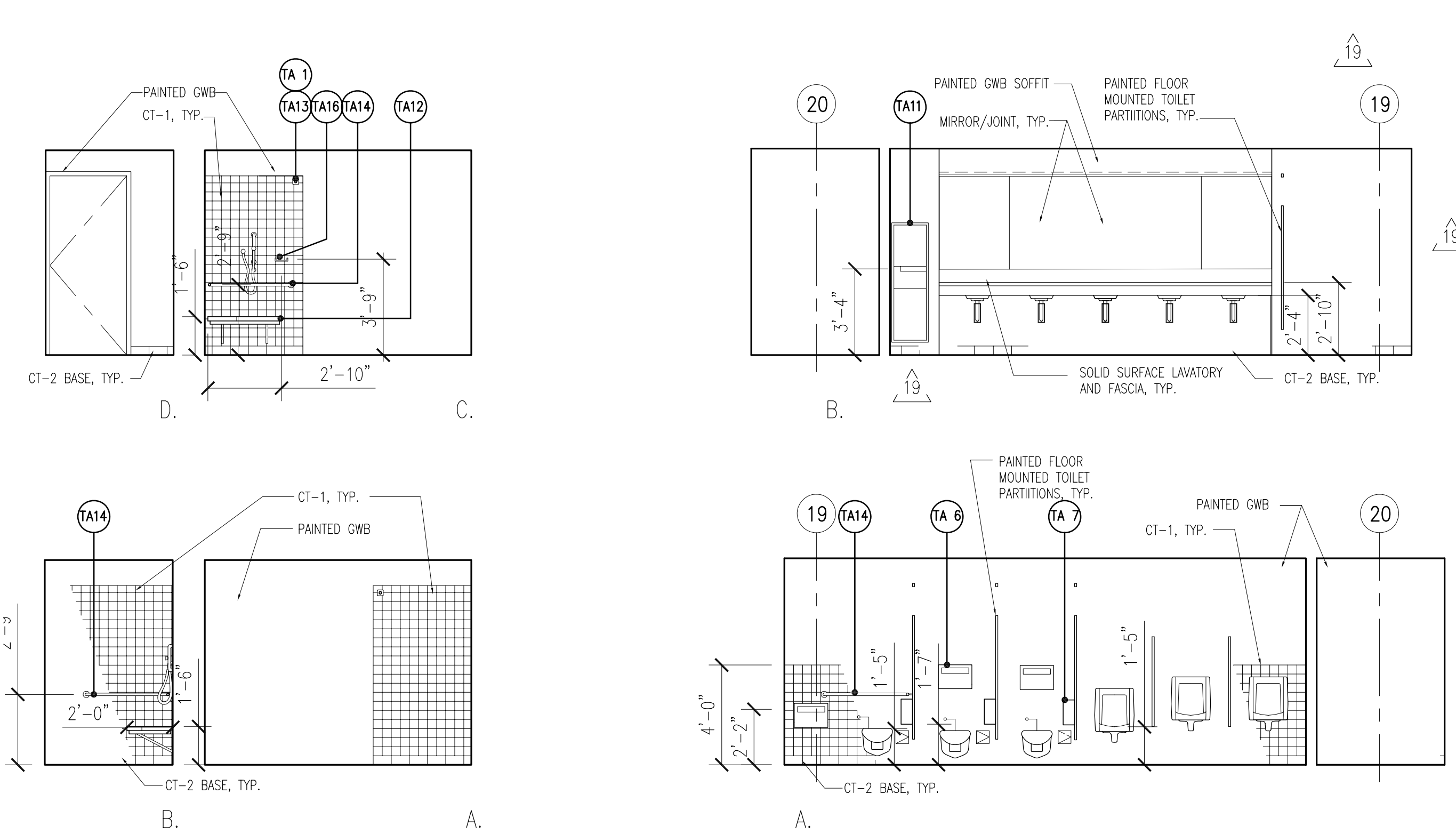
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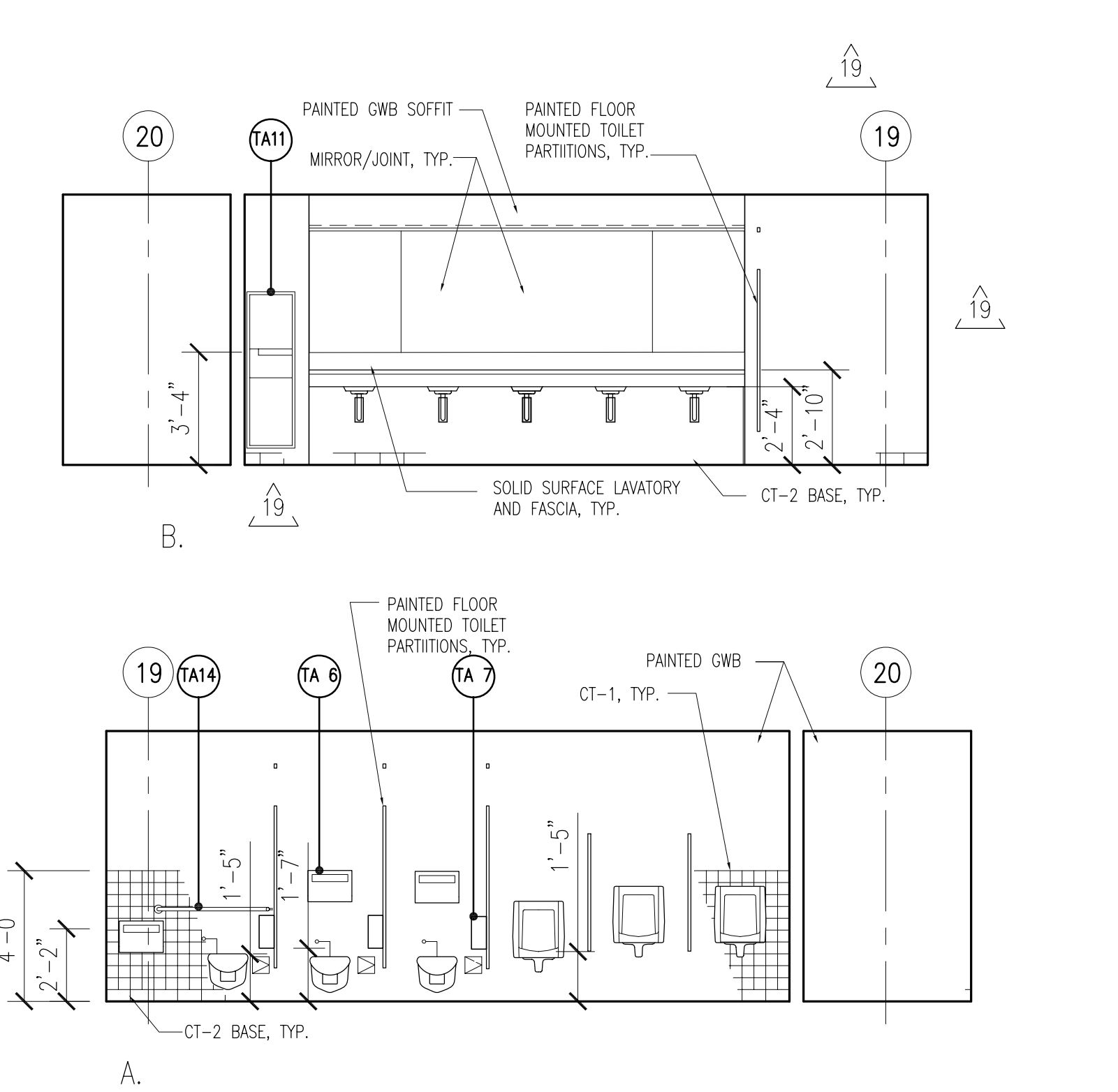
WOMEN'S TOILET ROOM WEST WING T2-2 19



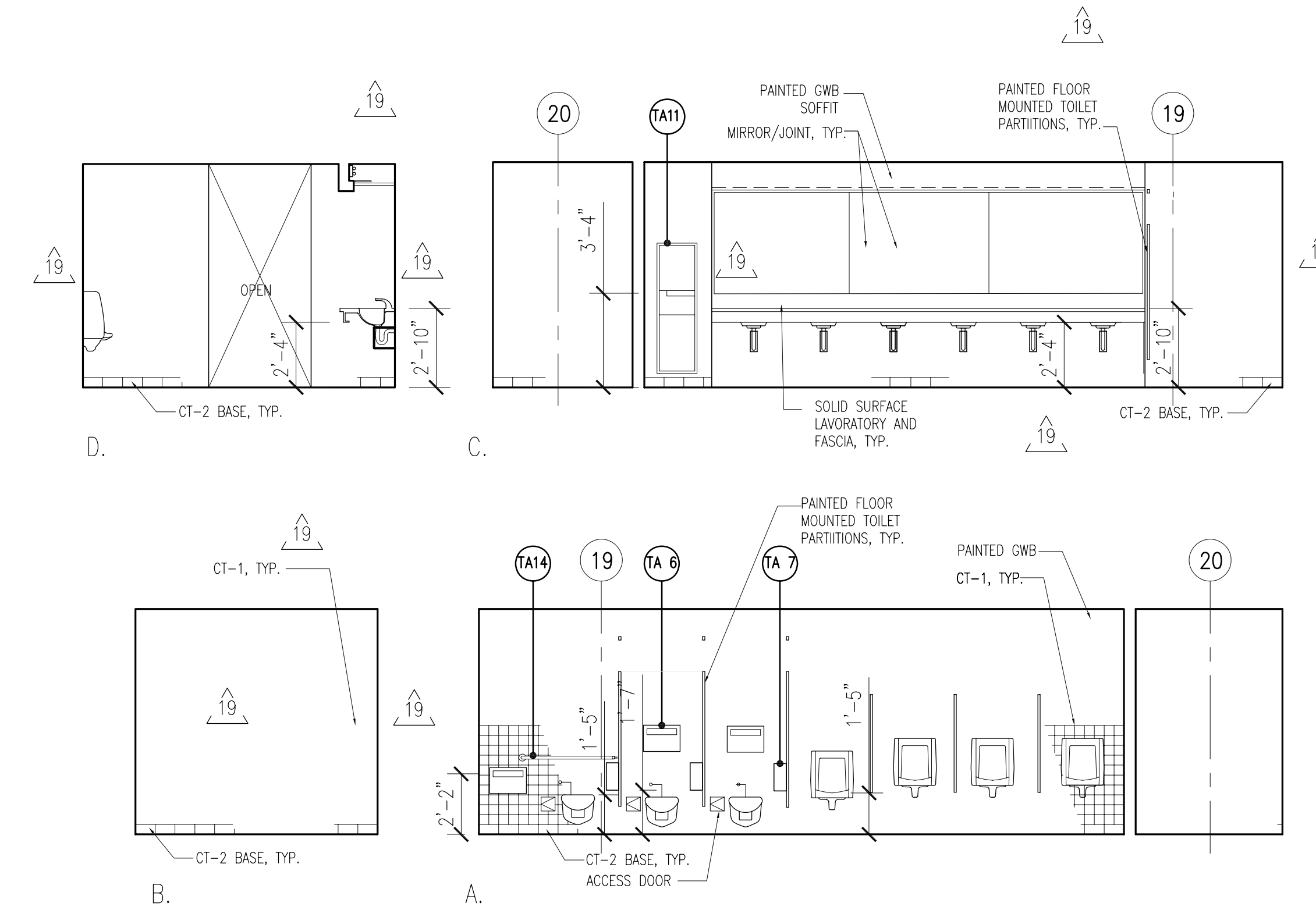
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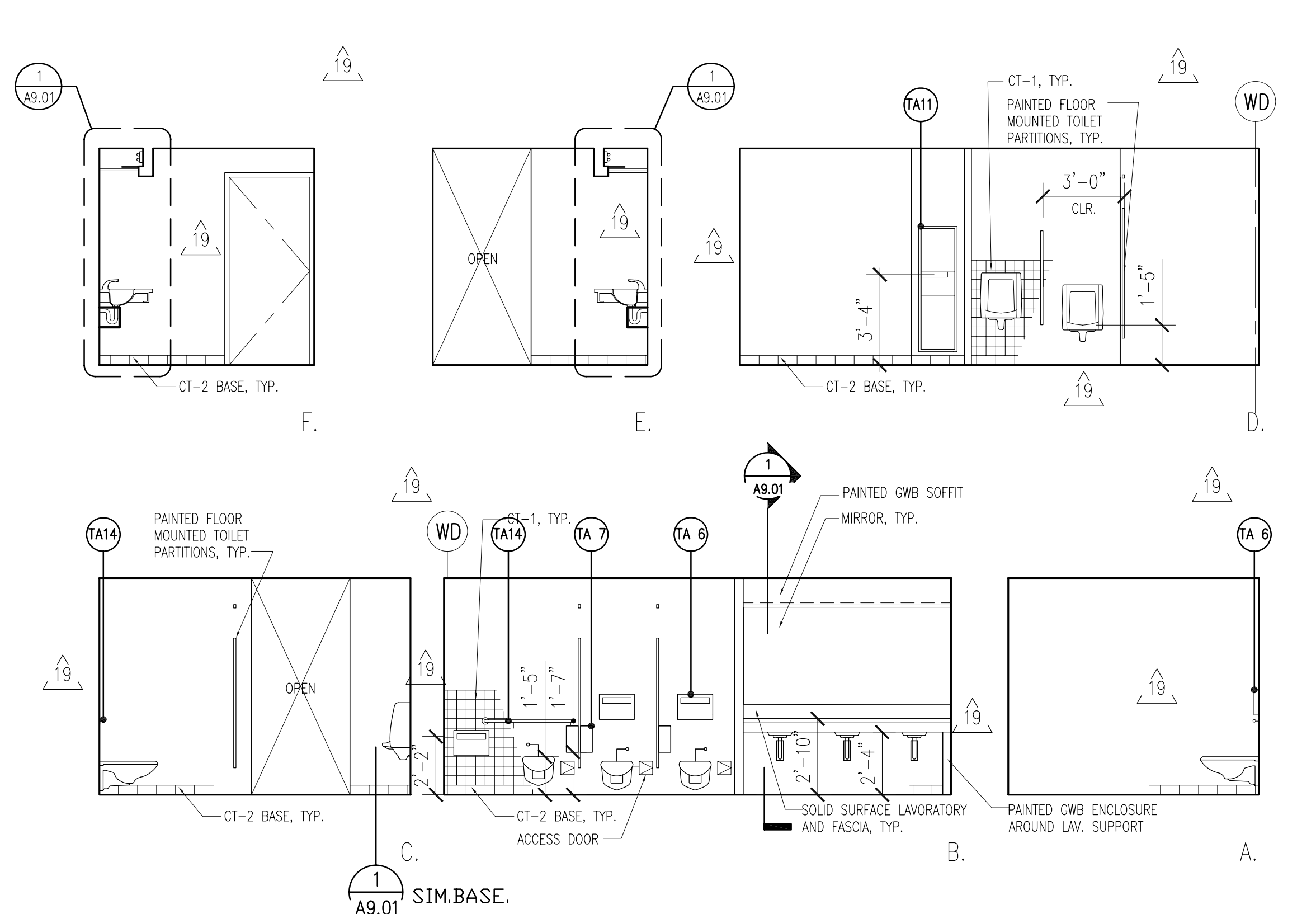
SHOWER ROOM WEST WING FIRST FLOOR 17



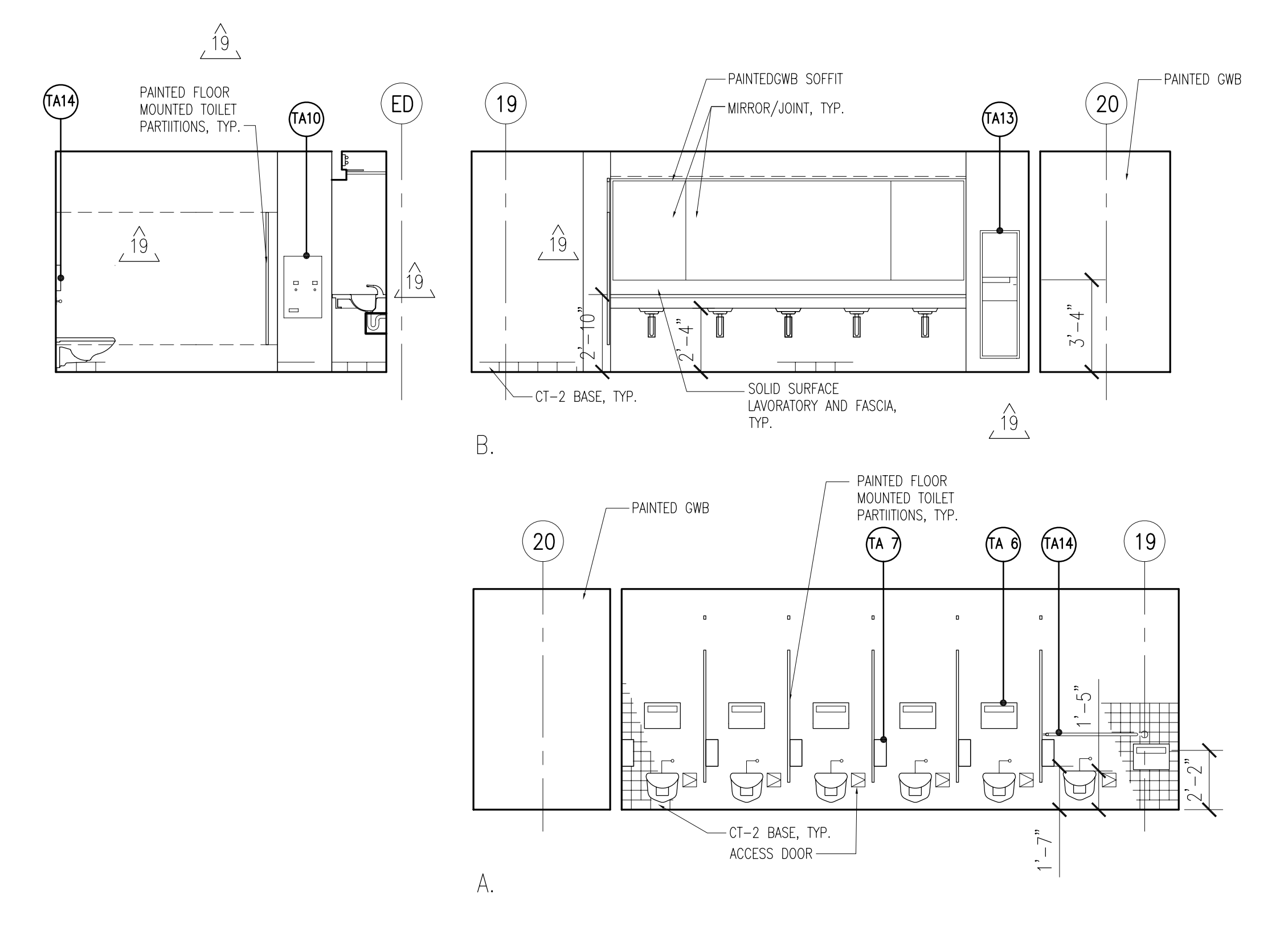
MEN'S TOILET ROOM EAST WING FLOORS 1 & 4 12



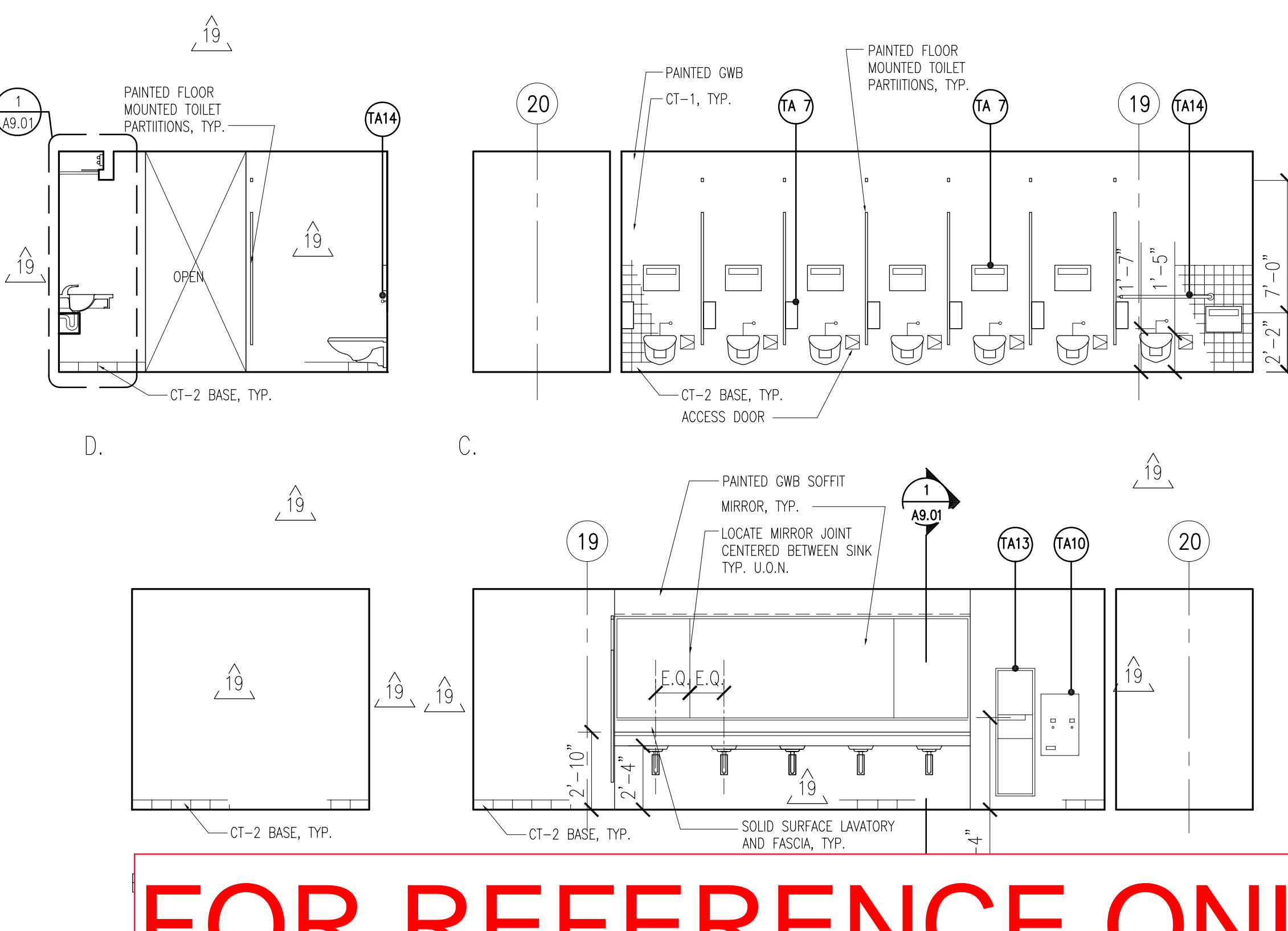
MEN'S TOILET ROOM EAST WING FLOORS 2 & 3 2



MEN'S TOILET ROOM WEST WING T2-1 16



WOMEN'S TOILET ROOM EAST WING FLOORS 1 & 4 11



FOR REFERENCE ONLY
DSA #01-105148

PLUMBING FIXTURE SCHEDULE	
MARK	DESCRIPTION
FS-1	FLOOR SINK: CAST IRON BODY, ACID RESISTANT INTERIOR, NO-HUB 2" OUTLET, ABS ANTI-SPLASH DOME STRAINER, HALF GRATE, ZURN #FD2376-NH2-H.
FS-2	FLOOR SINK: CAST IRON BODY, ACID RESISTANT INTERIOR, NO-HUB 3" OUTLET, ABS ANTI-SPLASH DOME STRAINER, HALF GRATE, ZURN #FD2376-NH3-H.
FD-1	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.
FCQ	FLOOR CLEANOUT: ABS BODY WITH NICKEL BRONZE FRAME AND COVER, ZURN #C02449. SIZE PER PLANS.
WH-1	WATER HEATER: #AO SMITH DURA-POWER DEL-40 WITH (2) 4kW NON-SIMULTANEOUS ELEMENTS, 480V/1PH.
WF-1	WATER FILTER: HIGH EFFICIENCY REVERSE OSMOSIS SYSTEM, #EVERPURE MRS-600HE.
TP-1	TRAP PRIMER: DIFFERENTIAL PRESSURE AUTOMATIC TYPE, CORROSION RESISTANT BRASS, INSTALL STRICTLY PER MANUFACTURER'S RECOMMENDATIONS, PROVIDE ACCESS DOOR, PPP MODEL #PR-500
WM-1	WATER METER: LEAD FREE, UP TO 80 GPM, 4.8 PSI PRESSURE LOSS AT 80 GPM, ENGINEERED POLYMER, SIZE = 1", BADGER "RECORDAL" #M120. PROVIDE WITH HRE-LCD ENCODER AND ORION CELLULAR ENDPPOINT.
* INDICATES ADA/HCP COMPLIANT FIXTURE.	

KITCHEN EQUIPMENT SCHEDULE	
MARK	DESCRIPTION
P05	HOT WELL. PROVIDED BY OTHERS
P07	COLD PAN. PROVIDED BY OTHERS
PI4	COFFE BREWER. PROVIDED BY OTHERS
PI6A	GLASS FILLER. PROVIDED BY OTHERS
PI6	FAUCET. PROVIDED BY OTHERS
PI7	EXPRESSO MACHINE. PROVIDED BY OTHERS
PI9	ICE MAKER. PROVIDED BY OTHERS
P22	FAUCET. PROVIDED BY OTHERS
P25	FAUCET. PROVIDED BY OTHERS
P26	PRE-RINSE FAUCET. PROVIDED BY OTHERS
* INDICATES ADA/HCP COMPLIANT FIXTURE.	

DOMESTIC WATER SHEET CALCULATION					
WATER SIZING WORKSHEET PER 2016 CPC TABLE 610.3 AND 2016 CPC, APPENDIX A					
MIN. PRESSURE AVAILABLE: SOURCE DATA			TABLE A-2 FIXTURE TYPE	MINIMUM BRANCH SIZE	QTY
	50.0	PSI	BATHTUB/BATH-SHOWER COMB. (FILL)	1/2"	0
			BIDET	1/2"	0
			CLOTHES WASHER	1/2"	0
TOTAL DEMAND DATA FIXTURE UNIT DEMAND: CONTINUOUS DEMAND: TOTAL DEMAND:	10.0	F.U.	DENTAL UNIT, CUSPIDOR	1/2"	0
	8.0	GPM	DISHWASHER	3/4"	0
	0.0	GPM	DRINKING FOUNTAIN OR WATERCOOLER	1/2"	0
	8.0	GPM	HOSE BIBB	1/2"	0
SOURCE TO PUMP DISTANCE: ELEVATION CHANGE: FRICTION LOSS: TOTAL LOSS:	0	FT	HOSE BIBB (EACH ADDITIONAL)	1/2"	0
	0	FT	LAVATORY	1/2"	0
	0.0	PSI	LAWN SPRINKLER, EACH HEAD	1/2"	0
	0.0	PSI	SINK, BAR TYPE	1/2"	0
BOOSTER PUMP: BUILDING SYSTEM TOTAL DEVELOPED LENGTH TO	0	PSI	SINK, CLINIC FAUCET	1/2"	0
			SINK, CLINIC FLUSHOMETER VALVE	1/2"	0
			SINK, LAUNDRY	1/2"	0
			SINK, KITCHEN DOMESTIC	1/2"	0
MOST REMOTE FIXTURE: ELEVATION TO HIGHEST FIXTURE: METER (METER SIZE = 2"): BACKFLOW PREVENTER: SOFTENER: FILTER: MISC: TOTAL BUILDING SYSTEM LOSS:	0	PSI	SINK, SERVICE OR MOP BASIN	1/2"	0
			SINK, WASHUP (EACH SET OF FAUCETS)	1/2"	0
			SHOWER	1/2"	0
			EYE WASH	1/2"	0
FLUSH VALVE SYSTEM (25 PSI RESID.): BUILDING SUPPLY PIPE SIZE:	50	FT	URINAL, 1.0 GPF	1"	0
	4	FT	URINAL, 3.0 GPF	3/4"	0
	5	PSI	URINAL, FLUSH TANK	1/2"	0
	10	PSI	WASHFOUNTAIN, CIRCULAR SPRAY	3/4"	0
COLD WATER (FLUSH TANK) (MAX. 5FT/SEC)	10.0	GPM	WATER CLOSET, 1.6 GPF GRAVITY TANK	1/2"	0
	3.5	F.U.	WATER CLOSET, 1.6 GPF FLUSHOMETER TANK	3/4"	0
	9.5		WATER CLOSET, 1.6 GPF FLUSHOMETER VALVE	1-1/4"	0
	19.5		WATER CLOSET > 1.6 GPF GRAVITY TANK	3/4"	0
DOMESTIC HOT WATER (MAX. 5FT/SEC)	10.0	GPM	WATER CLOSET > 1.6 GPF FLUSHOMETER VALVE	1"	0
	3.5	F.U.			
	4.9				
	7.9				
					TOTAL: 10.0

PLUMBING GENERAL NOTES

- 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.
- 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.
- 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.
- 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.
 - 2016 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART I, 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 ENERGY CODE (CEC) PART 6, TITLE 24 CCR
 - 2016 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR BASED ON THE 2015 INTERNATIONAL FIRE CODE (IFC)
 - 2016 CALIFORNIA GREEN BUILDING STANDARDS (CGBSC) PART II, TITLE 24, CCR
- 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.
- 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.
- 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.
- PROVIDE AND INSTALL CONDENSATE DRAIN WITH TRAP AT EACH A/C UNIT PER THE UPC, AT LOCATIONS SHOWN ON DRAWINGS. COORDINATE WITH MECHANICAL CONTRACTOR.
- 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.
- ALL PIPING PASSING THROUGH CONCRETE FLOORS SHALL BE SLEEVED TO PROTECT PIPING AGAINST BREAKAGE.
- 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%).
- ALL PLUMBING FIXTURES AND PIPING SHALL BE LISTED BY AN APPROVED LISTING AND TESTING AGENCY AND PROPERLY LABELED.
- 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

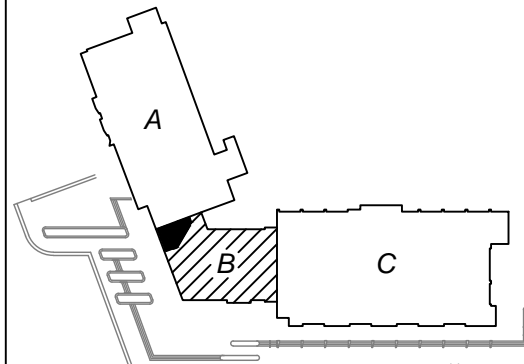
- DNV, ABOVE GRADE (SS, V)
PIPE: SERVICE WEIGHT CAST IRON SOIL PIPE PER ASTM A888-2013a
FITTINGS: CAST IRON "NO-HUB" PER ASTM A888-2013a
- DNV, BELOW GRADE (SS, V)
PIPE: ABS SCH. 40 PLASTIC DRAIN, WASTE AND VENT, ASTM D2661-94A
FITTINGS: ABS SCH. 40, ASTM D2661-94A
- DOMESTIC COLD WATER (CW) ABOVE GRADE:
PIPE: COPPER TYPE L PER ASTM B-88
FITTINGS: WROUGHT COPPER PER ANSI 16.22
- DOMESTIC COLD WATER (CW) BELOW GRADE:
PIPE: PRE-INSULATED CROSSLINKED POLYETHYLENE TUBING ASTM F876-93,
FOAM INSULATION, UPNOR ECOFLEX POTABLE HDPE
FITTINGS: NO FITTINGS BELOW GRADE.
- 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 1" FIBERGLASS INSULATION AND ALL-SERVICE-JACKET
- 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.

SHEET INDEX

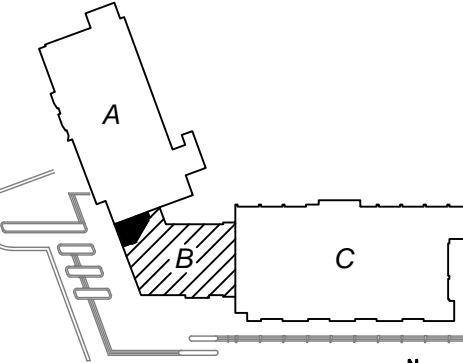
SHEET NO.	DESCRIPTION
P0.0	PLUMBING - SCHEDULES, NOTES & LEGEND
P1.0	PLUMBING - CW & HW FLOOR PLAN
P1.1	PLUMBING - SS & V FLOOR PLANS
P2.0	PLUMBING - DETAILS

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
---	SS	SOIL, WASTE OR SANITARY SEWER BELOW FLOOR
---	SS	SOIL, WASTE OR SANITARY SEWER OVERHEAD
----	V	VENT PIPING
----	CW	COLD WATER
----	FW	FILTERED WATER
----	HW (110", 140")	HOT WATER SUPPLY
----	HW	HOT WATER RETURN
----	G	NATURAL GAS - LOW PRESSURE
----	(E)	EXISTING TO BE REMOVED
----	D OR IW	DRAIN OR INDIRECT WASTE
----	CD	CONDENSATE DRAIN
----	OCD	OVERFLOW CONDENSATE DRAIN
----	SD, RWL	STORM DRAIN, RAINWATER LEADER
----	OFL	RAINWATER OVERFLOW LEADER (STORM)
----	AD, AP	ACCESS DOOR, ACCESS PANEL
----	AC	AIR CHAMBER
----	ANV	ANGLE VALVE
----	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
----	CB, RD	CATCH BASIN, ROOF DRAIN
----	CKV	CHECK VALVE
----	CP	CIRCULATING PUMP
----	CO	CLEANOUT PLUG
----	CR	CONCENTRIC REDUCER
----	DIA	DIAMETER
----	ER	ECCENTRIC REDUCER
----	FC	FLEXIBLE CONNECTOR
----	FCO	FLOOR CLEANOUT
----	FD	FLOOR DRAIN
----	FS	FLOW SWITCH
----	GCK	GAGE COCK
----	GV	GATE VALVE
----	G5CK, PC	GAS COCK, PLUG COCK
----	GPR	GAS PRESSURE REGULATOR
----	GL. V.	GLOBE VALVE
----	GCO	GRADE CLEANOUT
----	HB	HOSE BIBB
----	AN	PIPE ANCHOR
----	PG	PIPE GUIDE
----	POC	POINT OF CONNECTION
----	PRV	PRESSURE REDUCING VALVE
----	PG	PRESSURE GAUGE
----	RV or T4P	RELIEF VALVE OR TEMPERATURE & PRESSURE RELIEF VALVE
----	SV	SOLENOID VALVE
----	STR	STRAINER
----	TH	THERMOMETER
----	TP	TRAP PRIMER
----	UN	UNION OR FLANGE
----	WCO	WALL CLEANOUT



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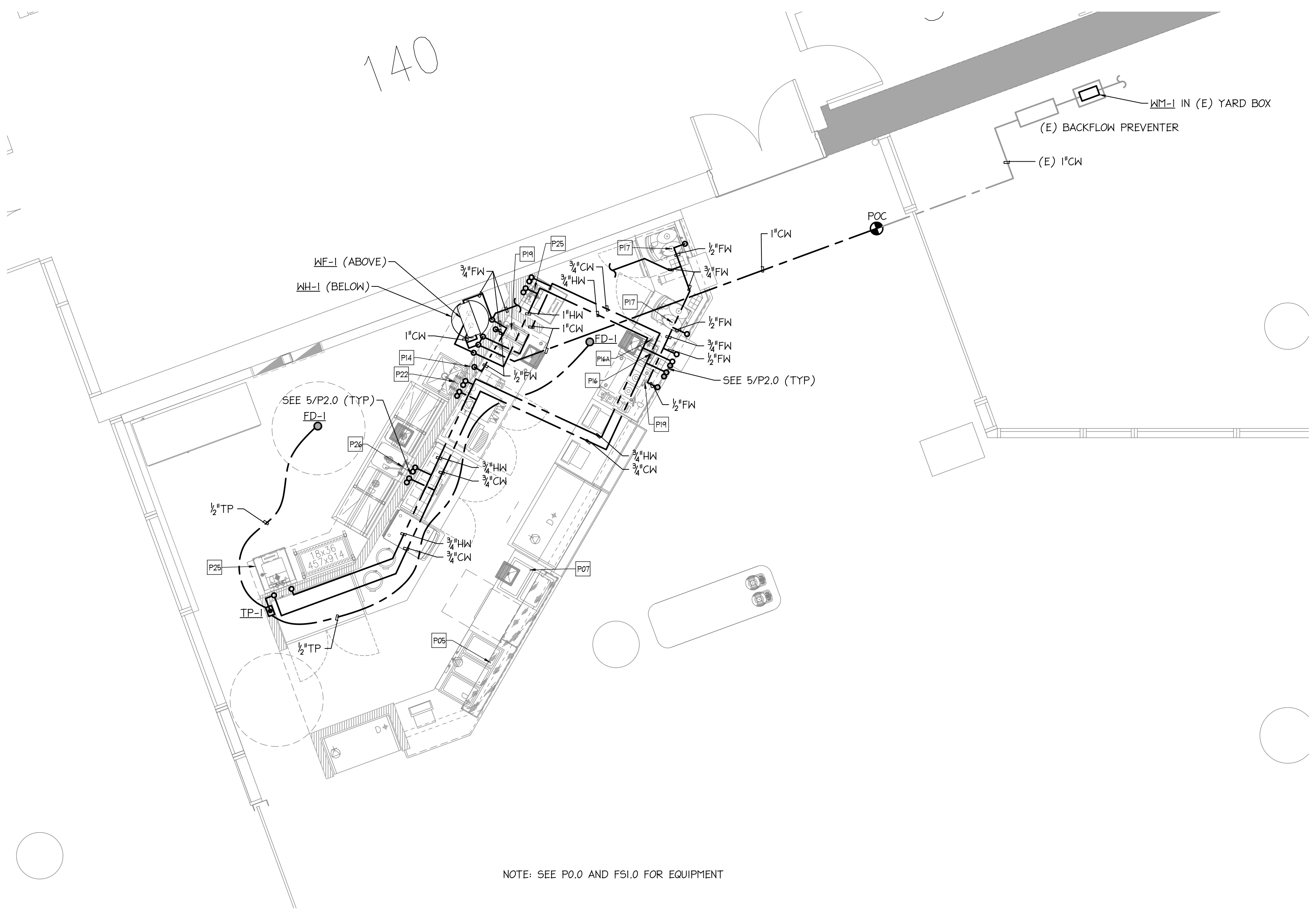
UC Merced
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Merced, California 95343

Cafe Remodel

**PLUMBING-
CW & HW
FLOOR PLAN**

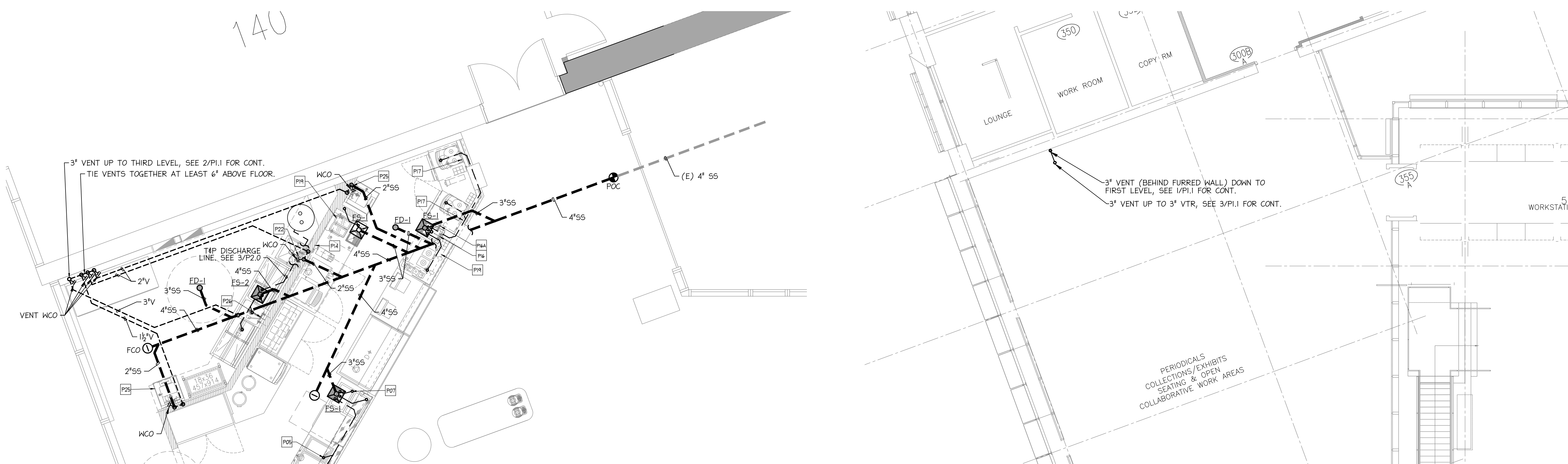
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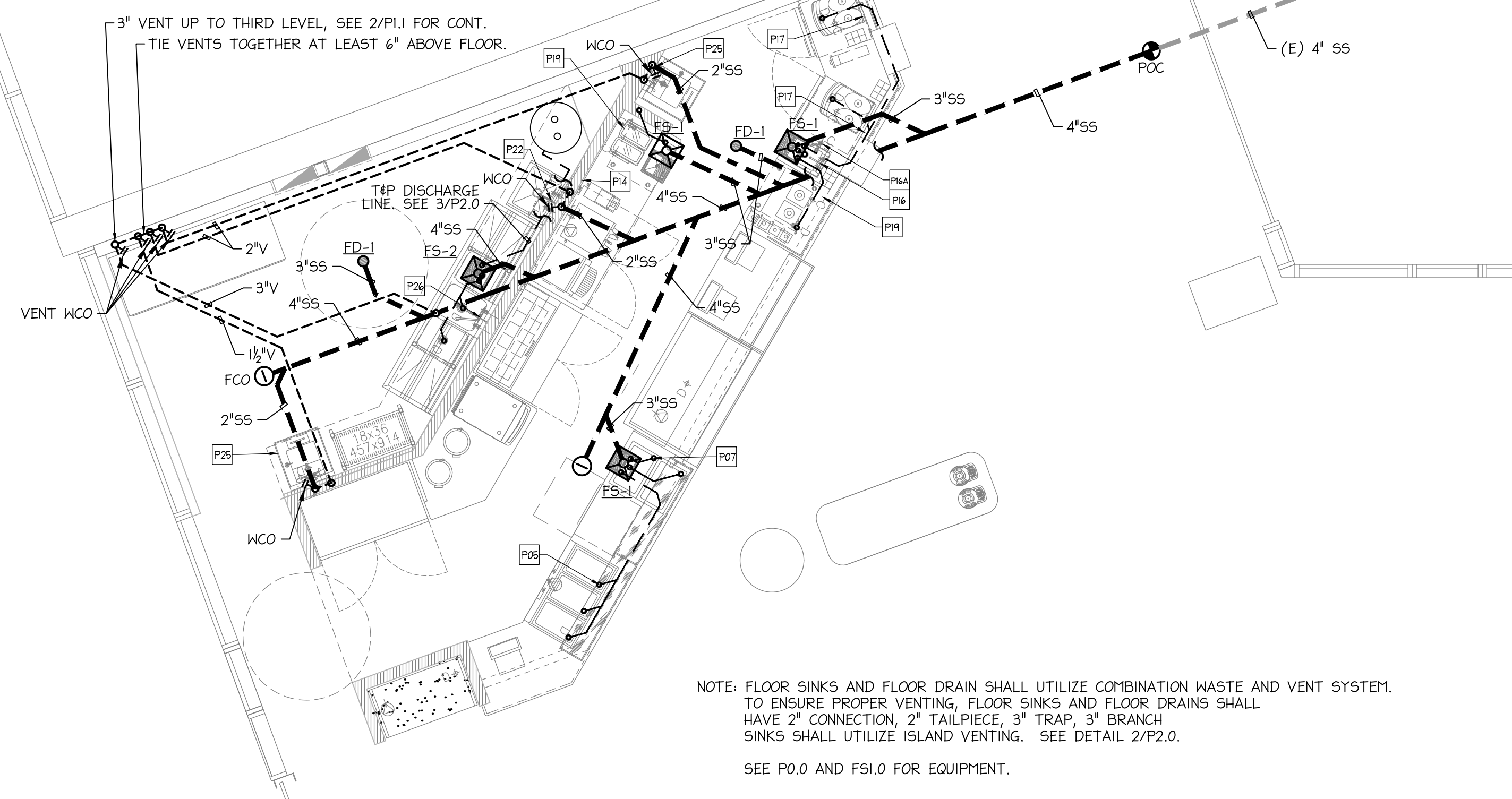
PLUMBING - CW & HW FIRST LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"

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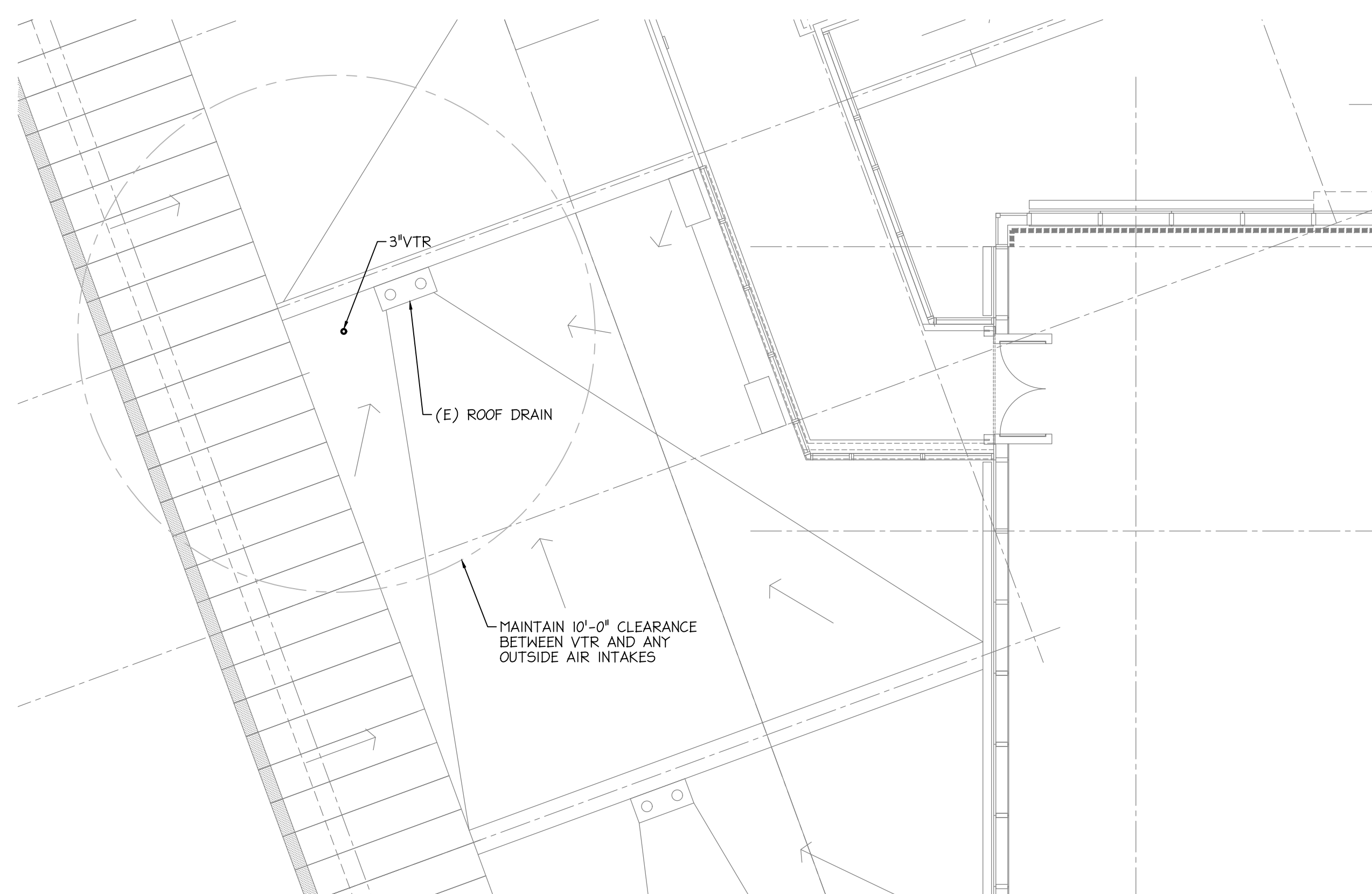
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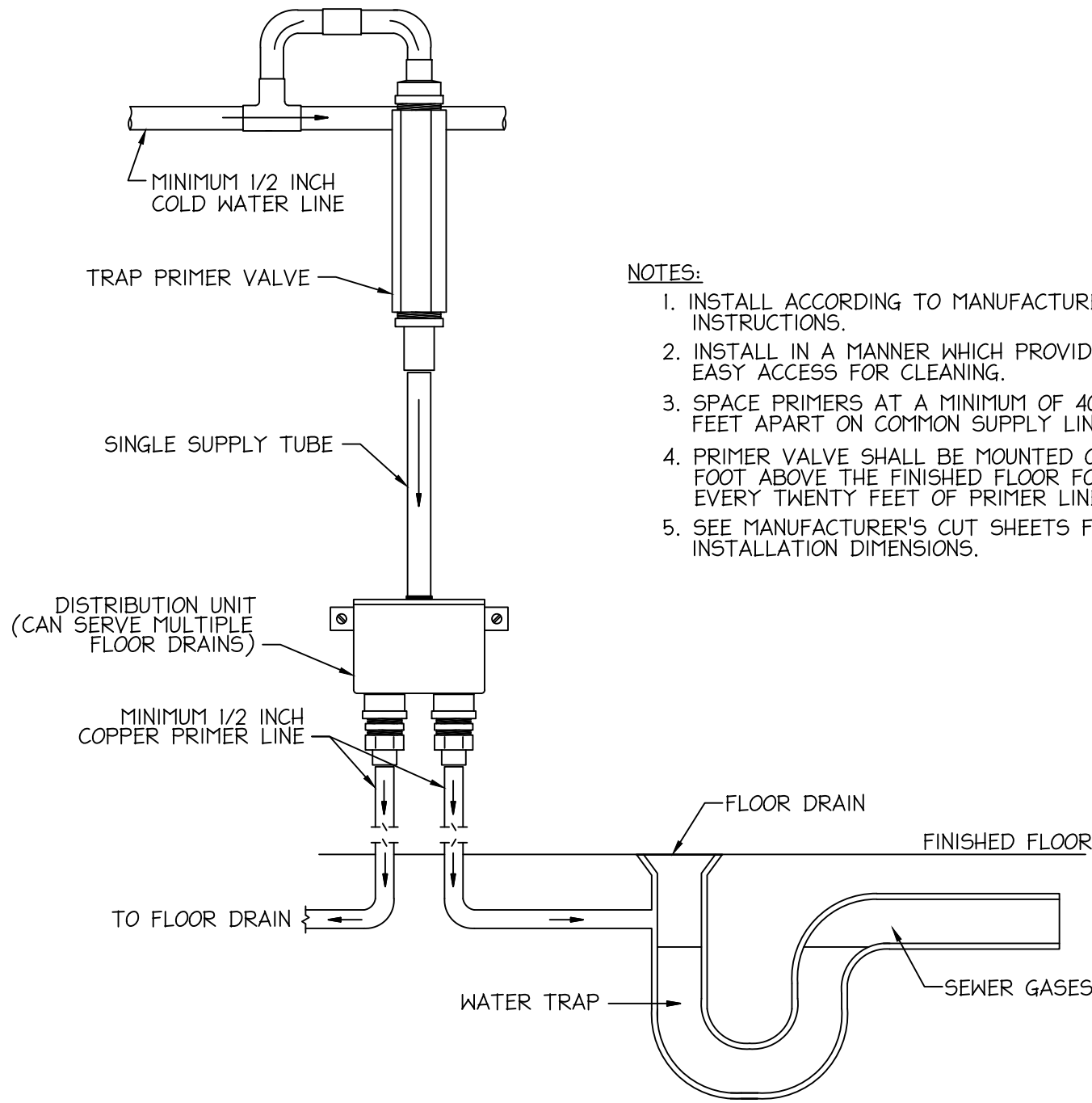
2 SS & V PLUMBING - THIRD LEVEL FLOOR PLAN
Pl.I SCALE: $\frac{1}{8}" = 1'-0"$



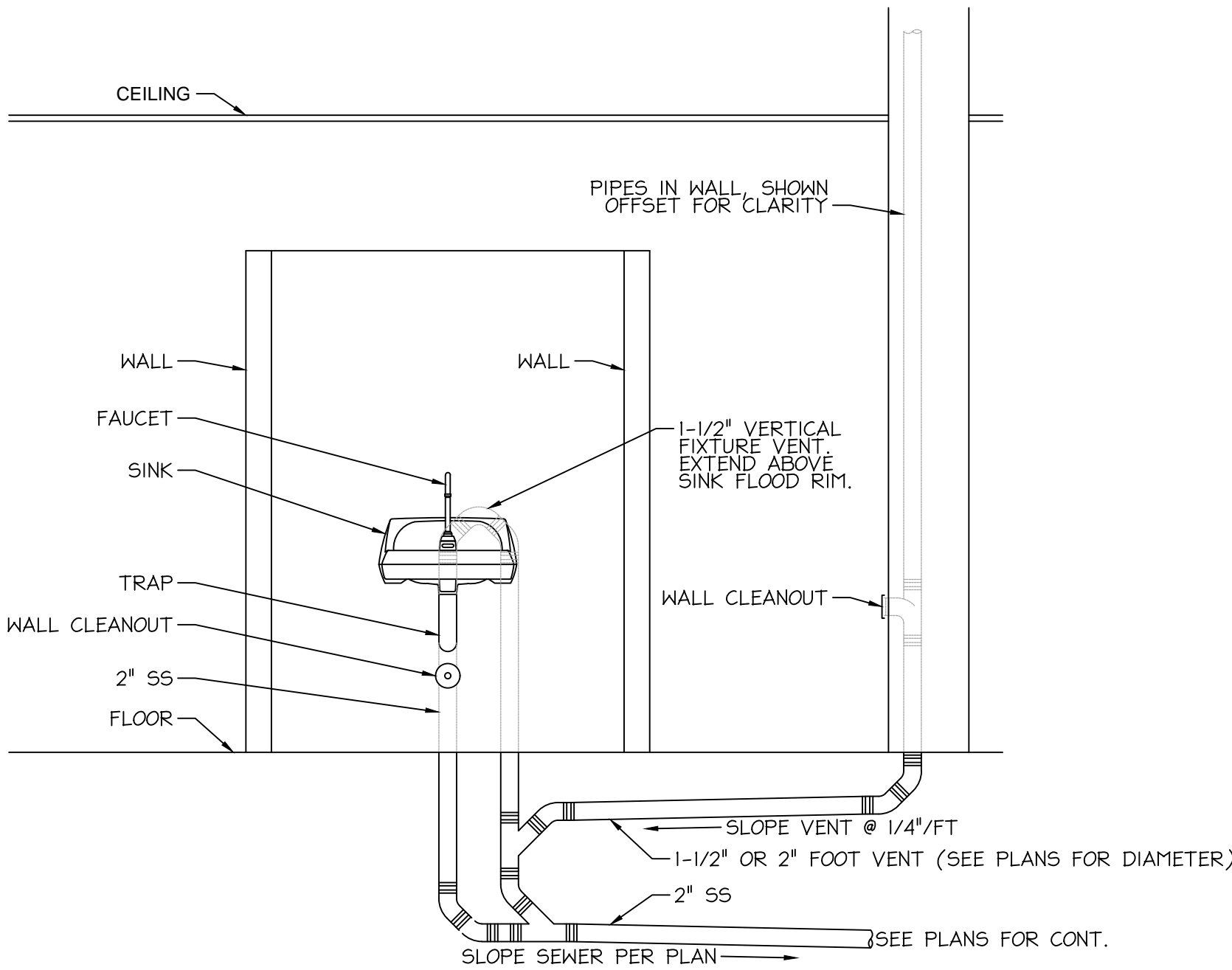
PLUMBING - SS & V FIRST LEVEL FLOOR PLAN



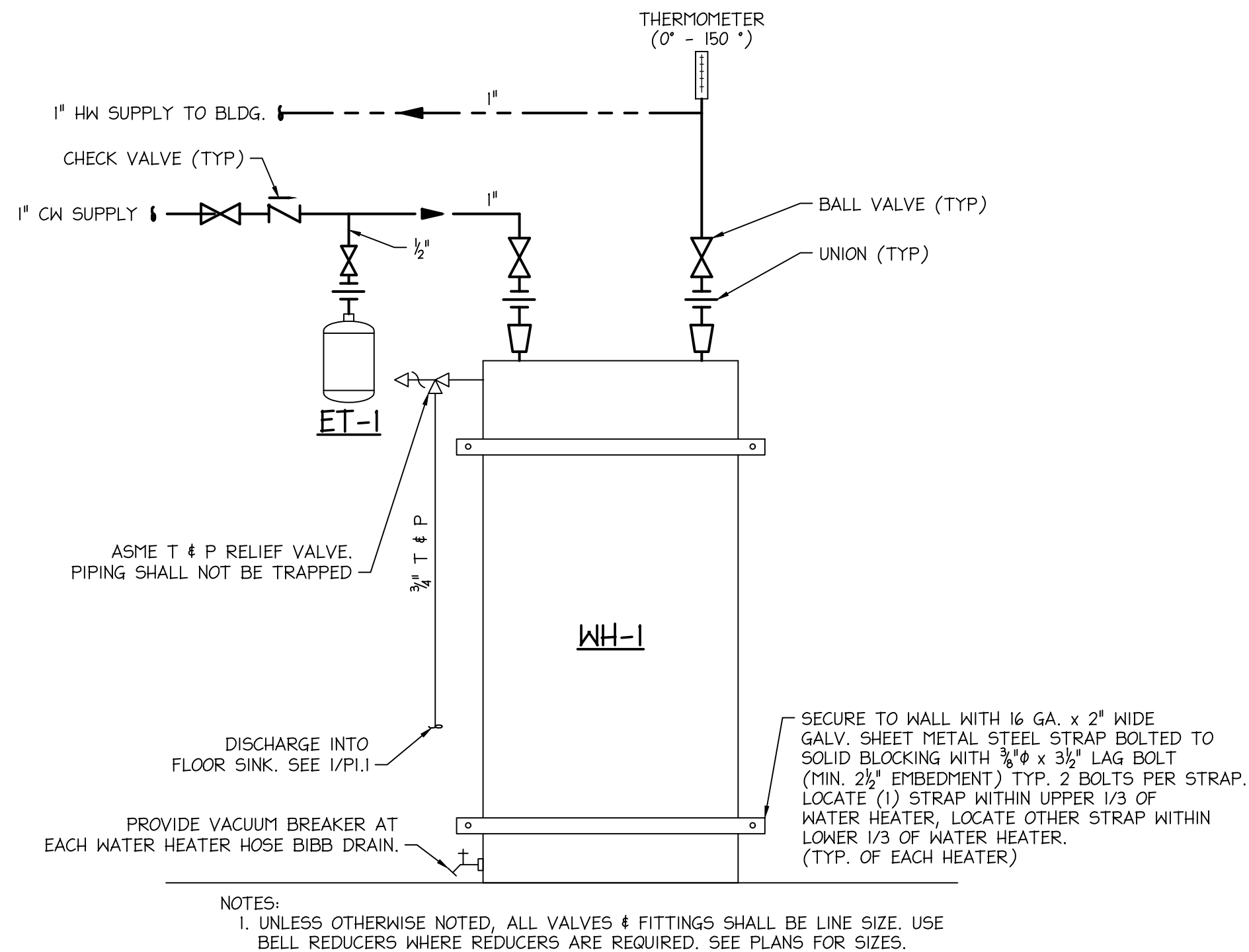
3 PLUMBING - SS & V FOURTH LEVEL/ROOF PLAN
PI.1 SCALE: $\frac{1}{2}" = 1'-0"$



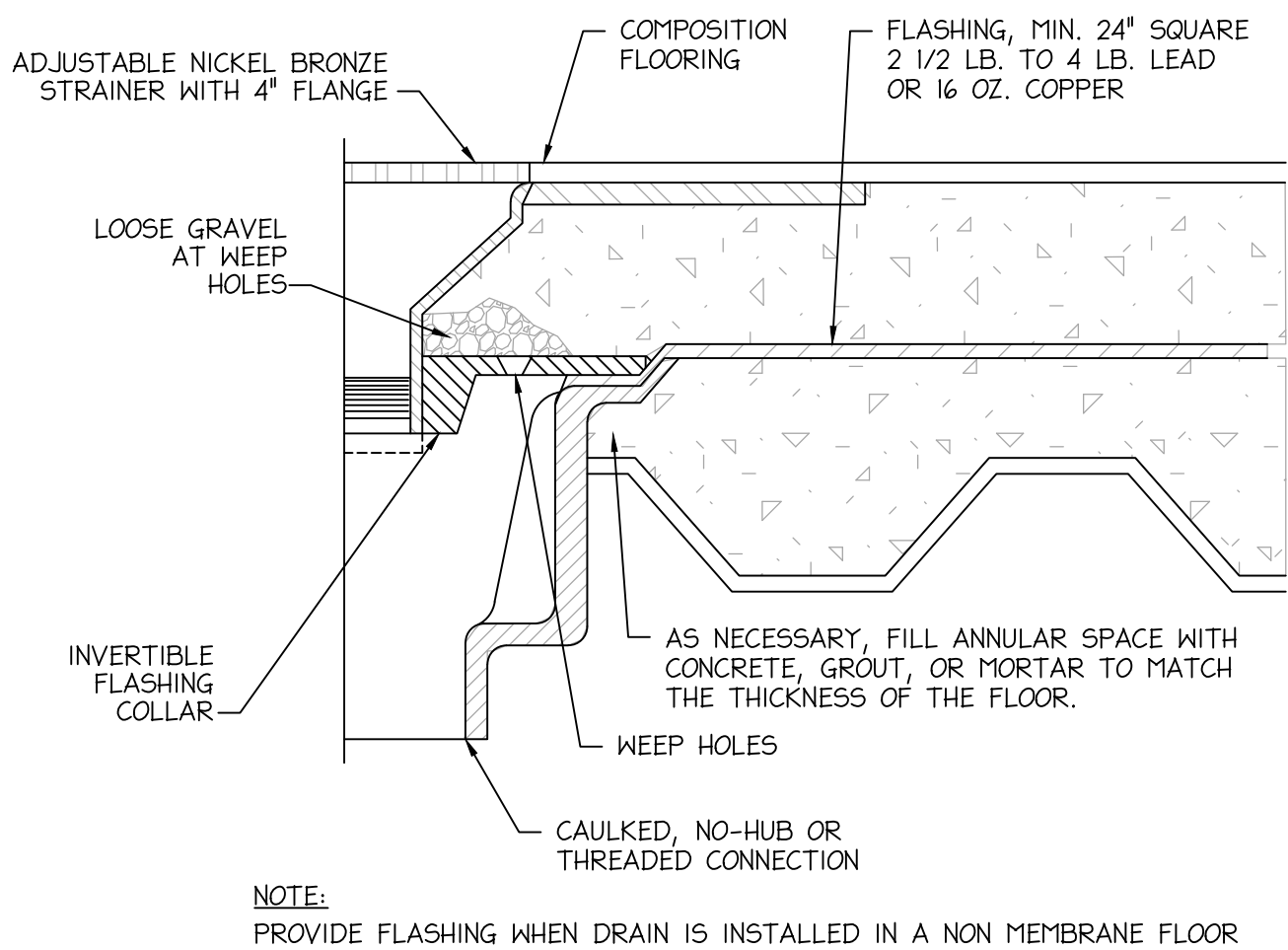
1 TRAP PRIMER DETAIL
P2.0 SCALE: NONE



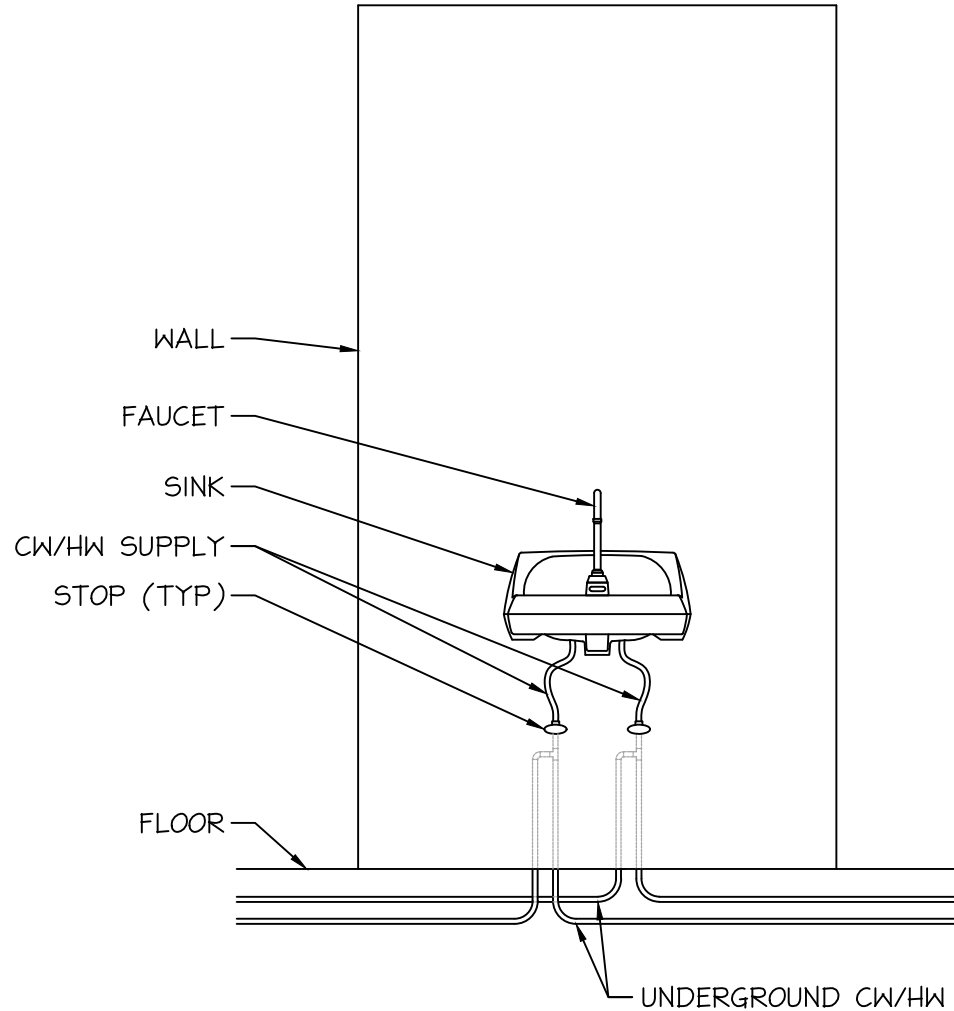
2 ISLAND VENT DETAIL
P2.0 SCALE: NONE



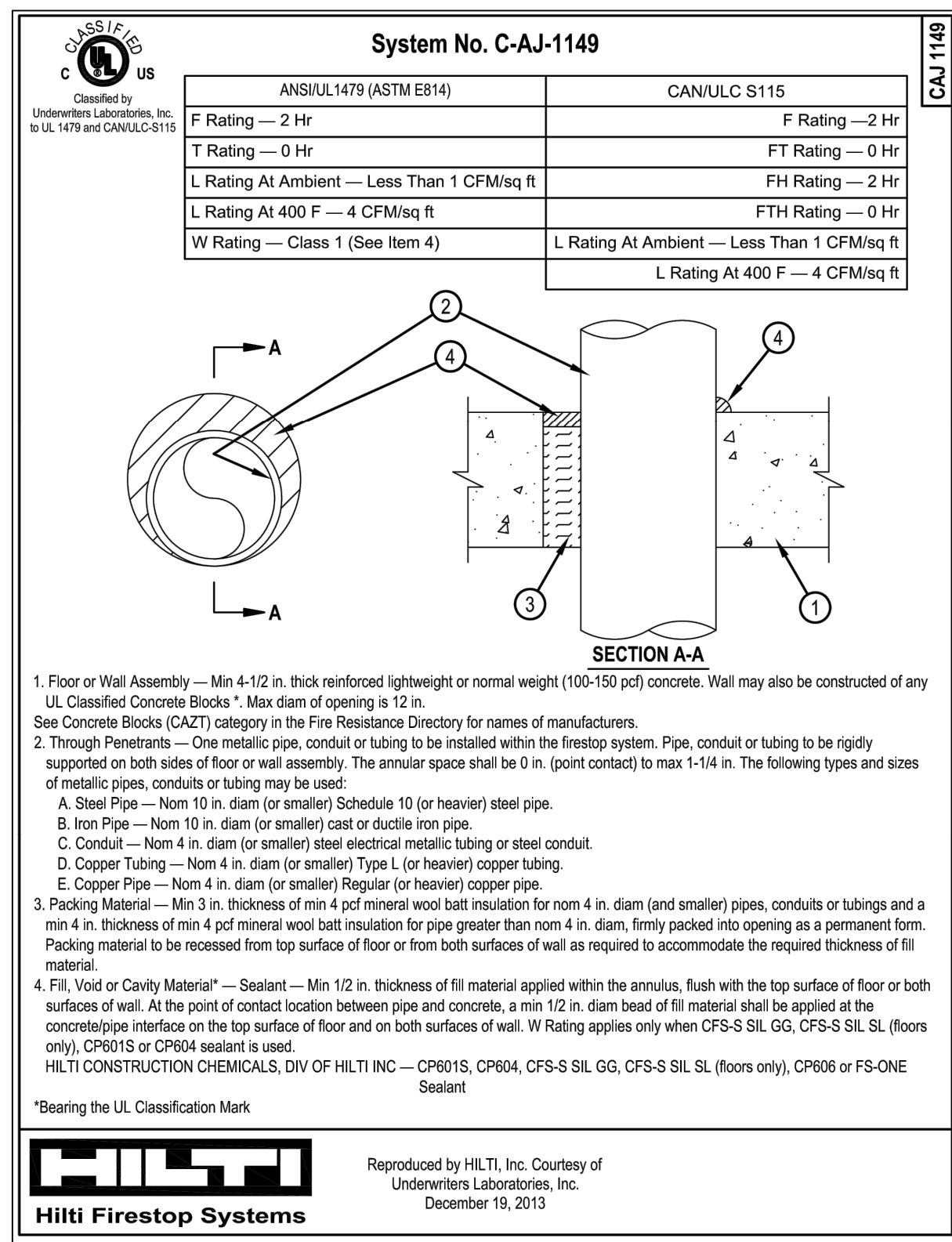
3 ELECTRIC WATER HEATER DETAIL
P2.0 SCALE: NONE



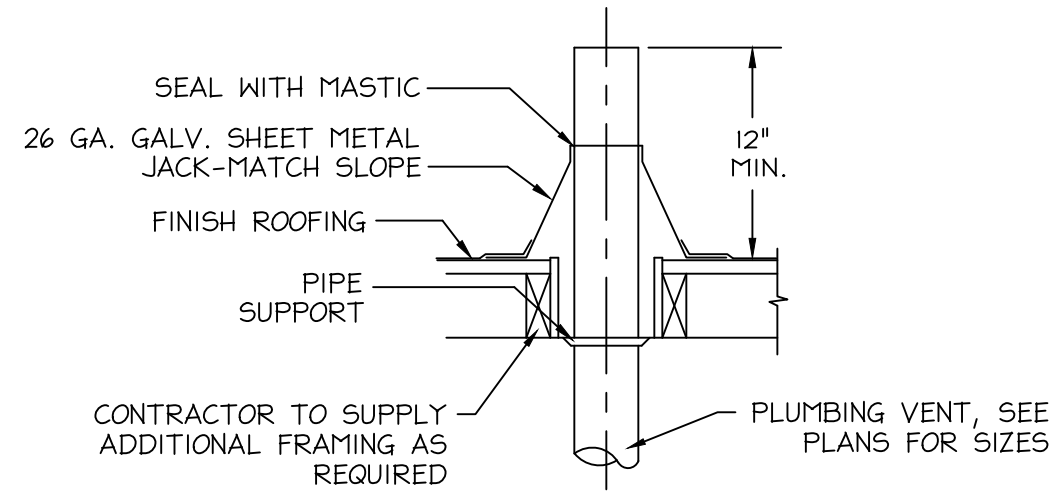
4 FLOOR DRAIN DETAIL
P2.0 SCALE: NONE



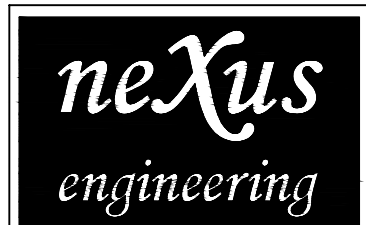
5 FIXTURE WATER SUPPLY
P2.0 SCALE: NONE



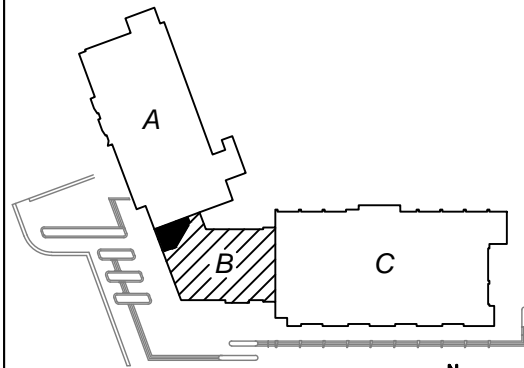
6 RATED PIPE PENETRATION
P2.0 SCALE: NONE



7 VENT THRU ROOF DETAIL
P2.0 SCALE: NONE



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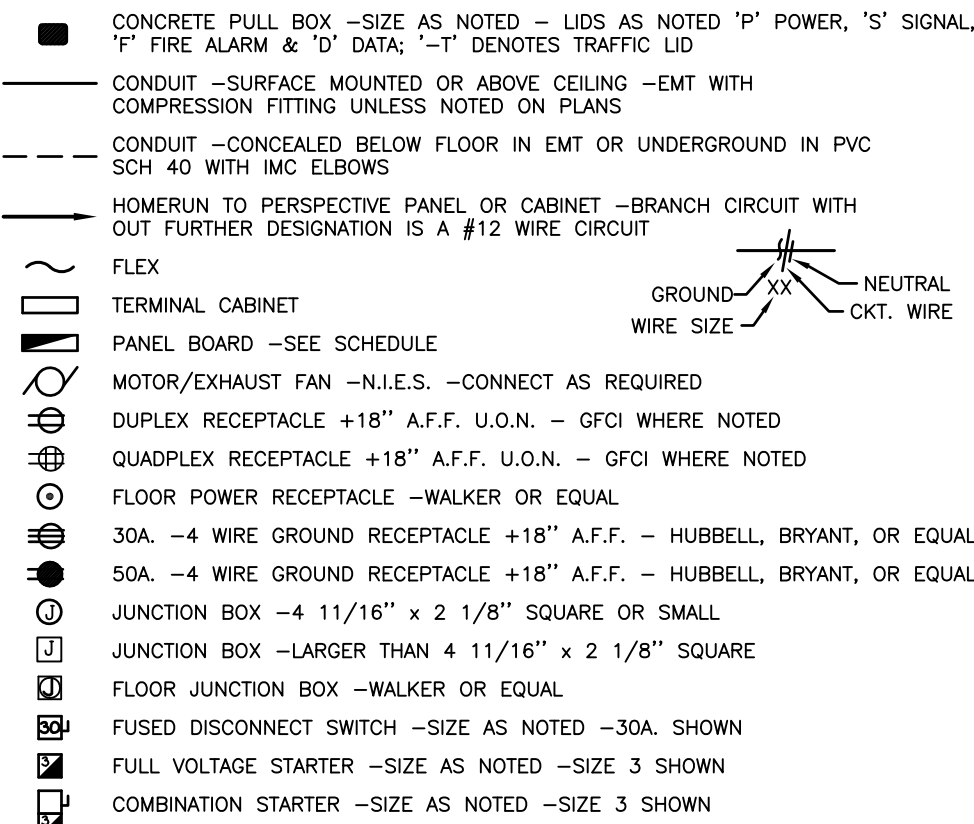


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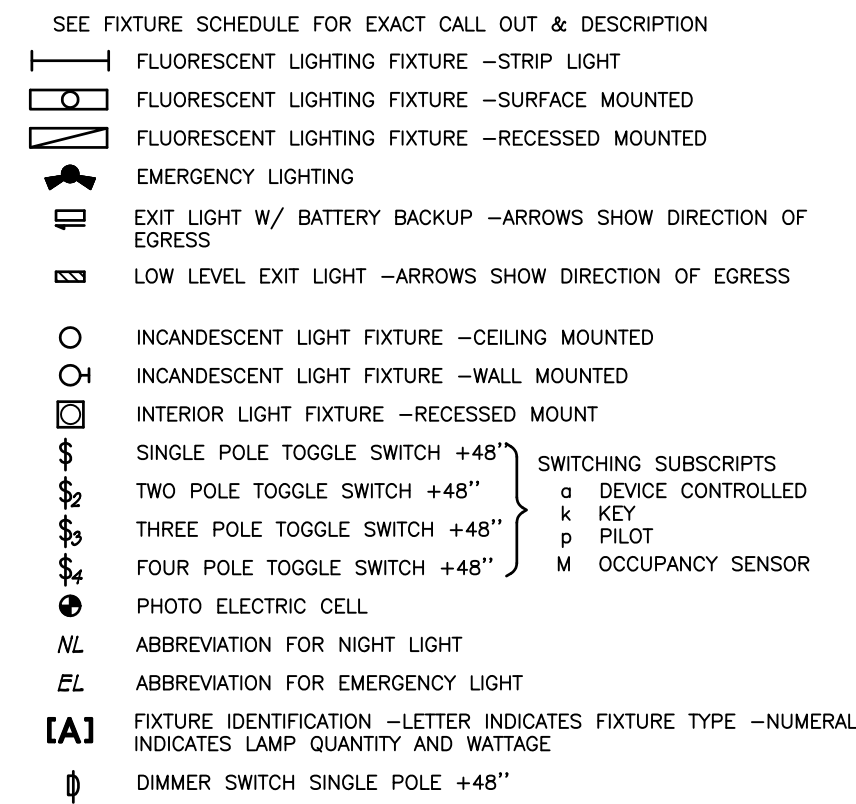
SCOPE OF WORK NARRATIVE

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 RECEPTACLE 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 RAMP/IDF FOR NEW CCTV CAMERAS, POS ETHERNET CONNECTION, POS BWP/BMPS EMPLOYEE ORDER SYSTEM, & PANIC BUTTON. EXTEND NEW RACEWAYS TO TERMINAL CABINET WITHIN NEW CASEWORK FOR CENTRALIZING AND ROUTING OF ALL NEW CABLES.

GENERAL ELECTRICAL LEGEND



LIGHTING LEGEND



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 EFFECTIVE EDITIONS.

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.

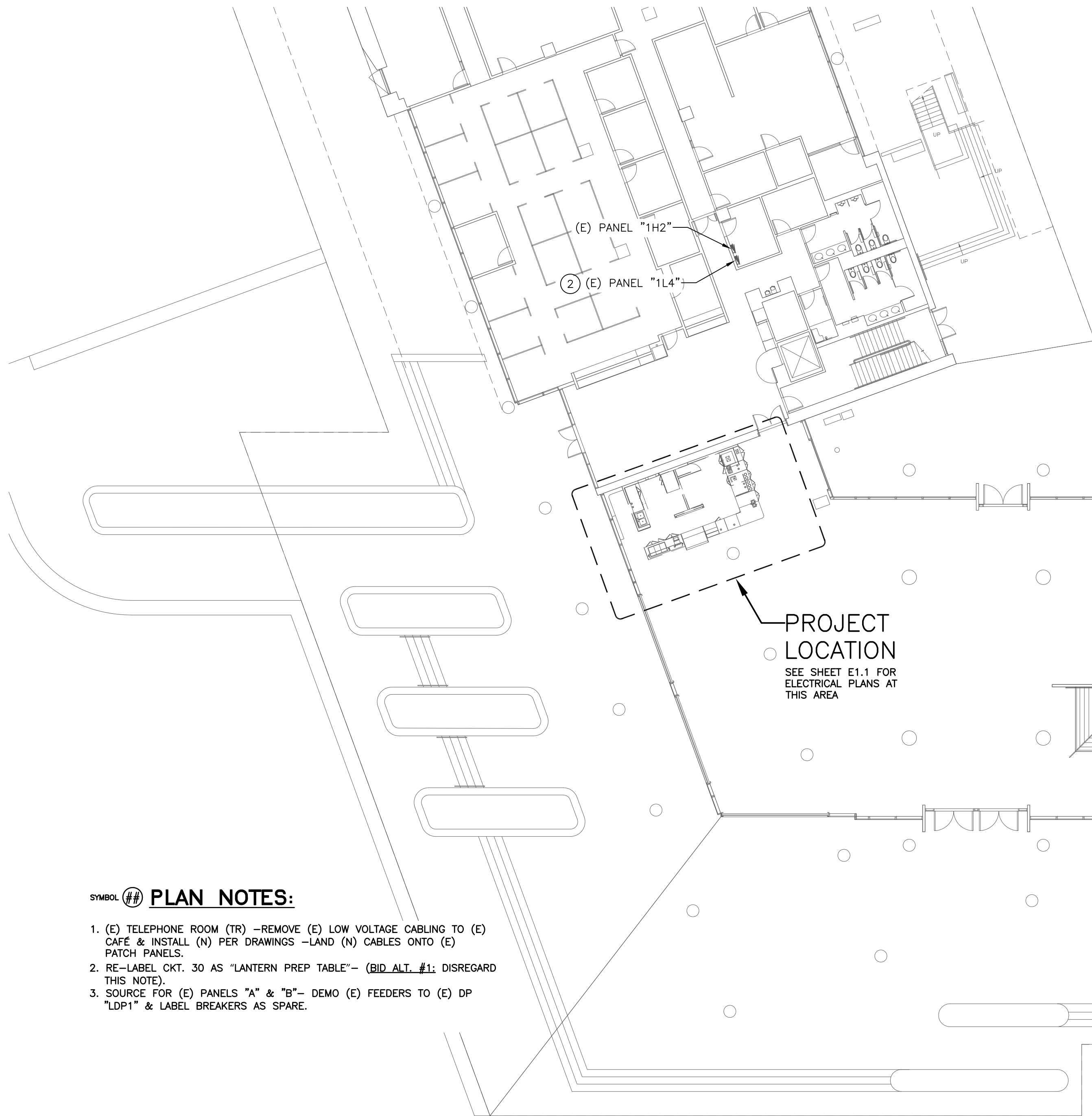
ELECTRICAL ABBREVIATIONS

Y	DELTA CONNECTED	(F)	FUTURE	OC	ON CENTER OVERHEAD
Y	WYE CONNECTED	FA	FIRE ALARM	OL	OVERLAP
0	PHASE	FAC	FIRE ALARM CONTROL PANEL	OL	THERMAL OVERLOAD RELAY
0	PAT	FAT	FIRE ALARM TERMINAL CABINET	OT	OTHER TEMPERATURE
0	AT	FIXT	FIXTURE	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
1	FEET	FLA	FULL LOAD AMPS		
1	INCHES	FLEX	FLEXIBLE		
		FLUOR	FLUORESCENT	PA	PUBLIC ADDRESS
A	AMPERES	FS	FLOW SWITCH	PBL	PULL BOX
AC	ALTERNATING CURRENT	FOR	FORWARD-OFF-REVERSE	PBL	PANEL
ACT	ABOVE CONVENT/TO BACKSLASH	FT	FEET	PH	PHASE
ADJ	ADJACENT, ADJOINING	GLV	GALVANIZED	PI	PAIR
ADP	ADJUSTABLE FREQUENCY DRIVE	GND	GROUND	PR	PRIMARY
APP	ABOVE FINISHED FLOOR	GC	GENERAL CONTRACTOR	PS	PRESSURE SWITCH
AL	ALUMINUM	HI	HIGH	PWR	POWER
APPROX	APPROXIMATE	HC	HIGH		
ARCH	ARCHITECT	HOA	HAND-OFF-AUTO	(N)	REMOVE(D)
AUTO	AUTOMATIC	HOS	HAND-OFF-STANDBY	RA	REMOTE ANNUNCIATOR
AUX	AUXILIARY	HV	HIGH VOLTAGE	RD	ROAD
AL	ALTERNATE	HVAC	HEATING, VENTILATION, AIR CONDITIONING	REQD	REQUIRED
AWG	AMERICAN WIRE GAUGE			REQS	REQUIREMENTS
		IDF	INTERMEDIATE DISTRIBUTION FRAME	RENTS	RENTS
B	BARE	INCAN	INCANDESCENT	RCM	ROOM
BC	BARE COPPER GROUND	INDC	INITIATING DEVICE CIRCUIT	REC	RECECTABLE
BKRD	BK	INCH	INCHES	RAIN	RAIN TIGHT
BKR	BREAKER	INST	INSTANTANEOUS	SCH	SCHEDULE
BLDG	BUILDING	J	JUNCTION BOX	SEC	SECONDS, SECONDARY
		KV	KILOVOLTS	SIG	SHEET
C	CONDUIT OR CONTRACTOR	KVA	KILOVOLT AMPERES	SPEC	SIGNAL
CAB	CABINET	KW	KILOWATTS	SW	SWITCH
CATV	CABLE TELEVISION	LB	LINE	SP	SPARE
CL	CABLE	LD	LINEAR FEET	STD	STANDARD
CLS	CEILING	LY	LOCKOUT-STOP	STR	STRANDED
CO	CONDUIT ONLY	LV	LOCK-OFF-HALT	SWB	SWITCHBOARD
COMM	CONCRETE				
CONN	CONNECT	M	MOTOR	TEMP	TEMPERATURE
CONN	CONNECTION OR CONTINUED	MAX	MAXIMUM	TMA	TEST OFF AUTOMATIC
COORD	COORDINATE	MCM	MINIMUM CIRCUIT AMPS	TH	THERMOSTAT
CR	CURRENT RELAY	MCC	MOTOR CIRCUIT CENTERS	TRANS	TRANSFORMER
CT	CURRENT TRANSFORMER	MCP	MOTOR CIRCUIT PROTECTOR	TRYP	TYPICAL
COMP	COMPRESSOR	MCH	MECHANICAL	THRU	THROUGH
COP	COPPER	MECH	MECHANICAL	UN	UNDERGROUND
		MFR	MANUFACTURER	UNO	UNLESS NOTED OTHERWISE
		MINS	MINIMUM		
		MPS	MAIN POINT OF ENTRY	V	VOLTS
DC	DIRECT CURRENT	MSE	MAIN SWITCHBOARD	VA	VOLT AMPS
DET	DETAIL			VPD	VARIABLE FREQUENCY DRIVE
DISC	DISCONNECT	N	NEUTRAL	VM	VOLT METER
DIST	DISTRIBUTION	NI	NEW		
DIA	DIVISION OF THE STATE ARCHITECT	NA	NON-AUTOMATIC	W	WIRE
DWS	DRAWING	NAC	NOTIFICATION APPLANCE CIRCUIT	WO	WITHOUT
		NAL	NORMALLY CLOSED	W/O	WITHOUT
EL EXIST	EXISTING ELECTRICAL CONTRACTOR	NB	NOT IN ELECTRICAL SECTION	W/	WITH
EL	ELEVATION	NIC	NOT IN ELECTRICAL CODE	WM	WATT HOUR DEMAND METER
EL, ELEV	ELEVATION	NO	NUMBER	WMT	WATT METER
ELCT	ELECTRICAL	NO	NORMALLY OPEN	WATER	WATER HEATER
EMS	ENERGY MANAGEMENT SYSTEM	NL	NIGHT LIGHT	WATER	WATER
ENT	ELECTRICAL METALLIC TUBING			WATER	WATER
EPL	END OF LINE			WATER	WATER

GENERAL ELECTRICAL NOTES

1. 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.
7. 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 BASED UPON THE MOST RECENT NECA MANUAL OF LABOR UNITS (NECA INDEX #A030) OR EQUIVALENT PUBLICATION FOR EACH SPECIFIC TASK AND ITEM. LABOR COST 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.

F:\17\859 UC MERCED LANTERN CAFE REMODEL\ENGR\SHEETS\859_UCM_LANTERN_OVERALL_ELECT.DWG KPezzoni 06/15/17 5:15:30 PM



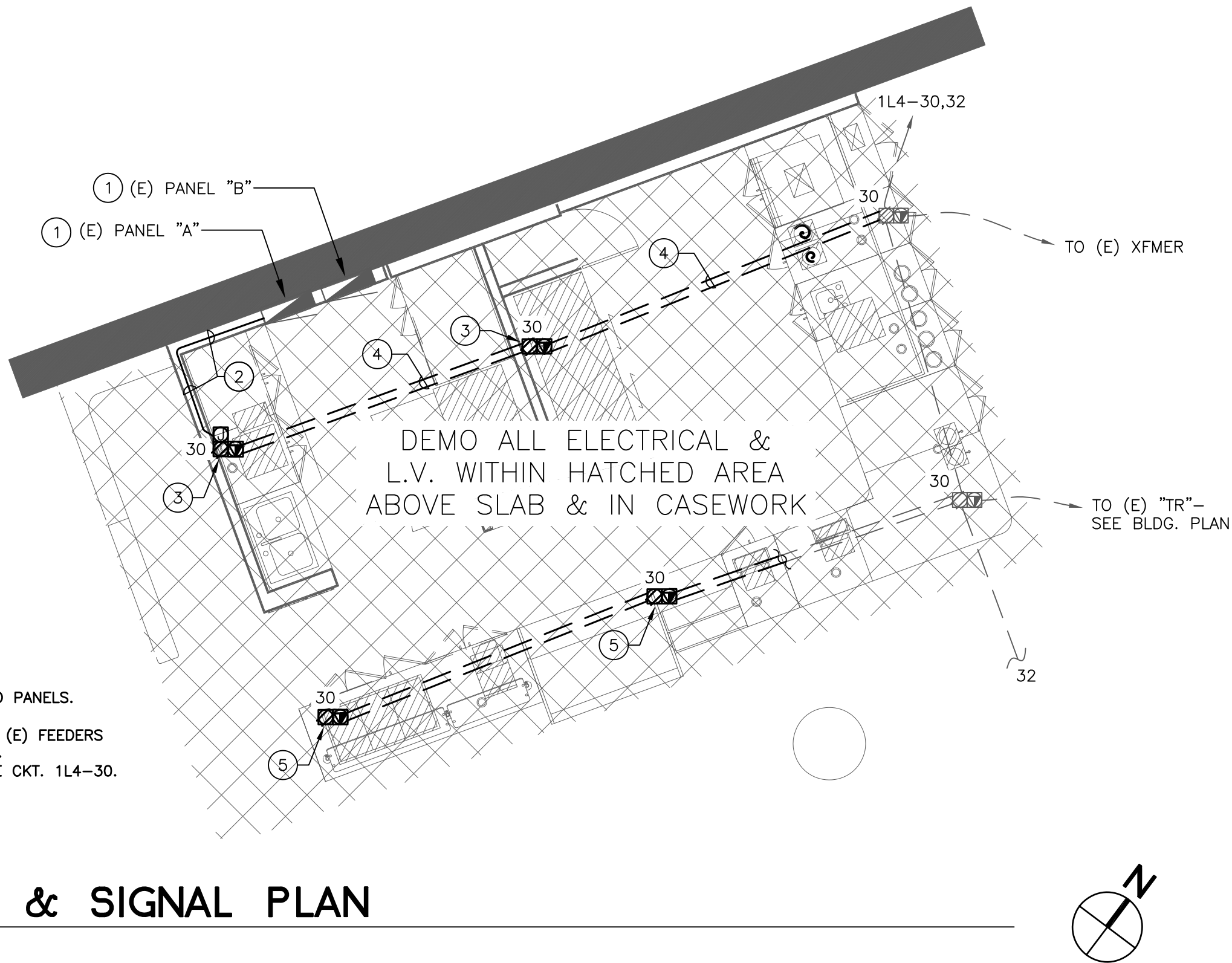
PLAN NOTES:

- (E) TELEPHONE ROOM (TR) —REMOVE (E) LOW VOLTAGE CABLING TO (E) CAFÉ & INSTALL (N) PER DRAWINGS —LAND (N) CABLES ONTO (E) PATCH PANELS.
- RE—LABEL CKT. 30 AS "LANTERN PREP TABLE"— (BID ALT. #1; DISREGARD THIS NOTE).
- SOURCE FOR (E) PANELS "A" & "B"— DEMO (E) FEEDERS TO (E) DP "LDP1" & LABEL BREAKERS AS SPARE.

DEMO PLAN NOTES:

- DEMO (E) PANEL & FEEDER TO SOURCE.
- DEMO (E) PANEL FEEDERS ROUTED THRU CASEWORK & WALL TO PANELS.
- DEMO (E) FLOOR BOX & SURFACE J—BOX ASSEMBLY.
- DEMO (E) CONDUITS TO (E) REMAINING FLOOR BOX —PRESERVE (E) FEEDERS FOR RE—INSTALLATION & REMOVE CKT. 1L4—30 TO REMAIN BOX.
- DEMO (E) FLOOR BOX & SURFACE J—BOX ASSEMBLY — REMOVE CKT. 1L4—30.

DEMOLITION POWER & SIGNAL PLAN
SCALE: 1/4"=1'—0"



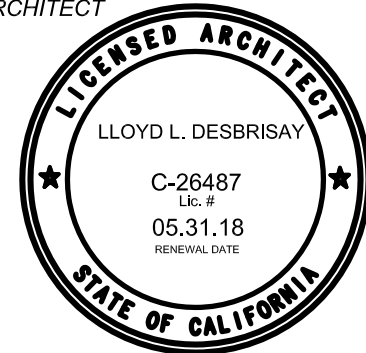
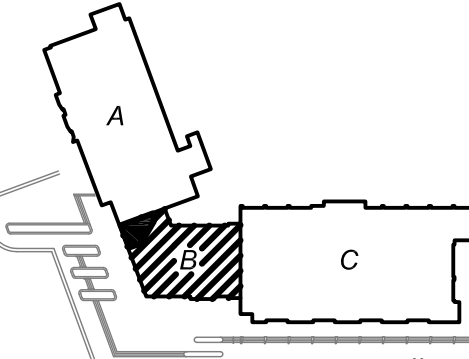
PARTIAL ELECTRICAL BUILDING PLAN
SCALE: 1/16"=1'—0"

MILLER PEZZONI & ASSOCIATES, INC.
CONSULTING ELECTRICAL ENGINEERS

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756 FOLSOM ST., 1ST FLOOR
SAN FRANCISCO, CA 94107
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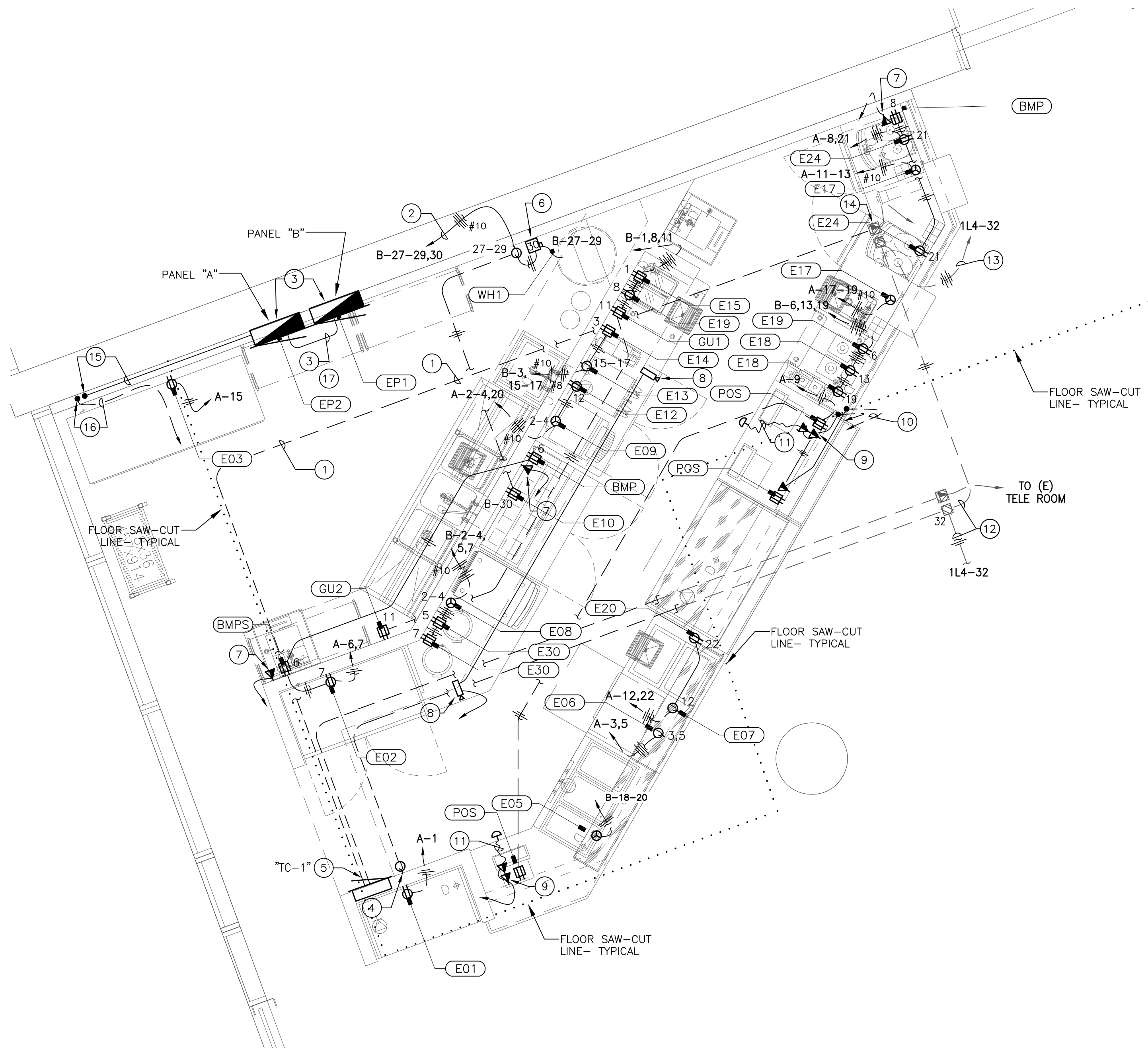


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PANELBOARD SCHEDULE														
PANEL: B					PHASE: 3ø				SCCR: 10k			LOCATION: BOH		
BUS RATING: 200 A.					WIRE: 4				BUSSING: Cu			NEMA TYPE: 1		
VOLTAGE: 120/208 V.												MOUNTING: FLUSH		
CKT	DESCRIPTION	BRKR	TYPE	LOAD	A (va)	B (va)	C (va)	LOAD	TYPE	BRKR	DESCRIPTION	CKT		
1	E15 (BEV DISP)	20/1	N	660	3780			3100	K	30/2	E0B (CONV. OVEN)	2		
3	E14 (COFFEE GRINDER)	20/1	N	1300		4400		3100	K	/		4		
5	E30 (SOUP WARMER)	20/1	N	810			2260	1450	N	20/1G	E19 (ICE MACH.)	6		
7	E30 (SOUP WARMER)	20/1	N	810	2260			1450	N	20/1G	E19 (ICE MACH.)	8		
9	SPARE	20/1				0				20/1	SPARE	10		
11	RECP —GENERAL	20/1	R	360			360			20/1	SPARE	12		
13	E18 (BLENDER)	201/G	R	1800	1800					20/1	SPARE	14		
15	E13 (COFFEE BREWER)	40/2	K	2950		2950				20/1		16		
17		/	K	2950			5350	2400	K	20/2	E05 (DROP IN HOT WELL)	18		
19	E18 (BLENDER)	20/1G		1800	4200			2400	K	/		20		
21						0				20/1	SPARE	22		
23							0					24		
25					0							26		
27	HWH	30/2	M1	2000		2000						28		
29		/	M1	2000			3080	1080		20/1	E10 (PREP TABLE)	30		
					12020	9350	11050							
CONTINUOUS (C):				3600 VA	MCB:									
NON—CONTINUOUS (N):				6480 VA	MLO: YES									
RECEP. (R):				2160 VA									MAX. PHASE @125% =	125.2 A.
MOTOR (M) OR (M1):				5000 VA									DEMAND TOTAL =	29.9 kVA
LIGHTING (L):				0 VA									=	83.0 A.
KITCHEN >1750W (K):				12675 VA									@125% =	103.8 A.
DEMAND CALC. PER ART 220														

<

ELECTRICAL FIXTURE SCHEDULE:								
ITEM:	DETAIL:	HEIGHT	A.F.F.	VC	WATTS	PH	AMP	NOTES:
E01	GRAB-N-GO REFRIG DISPLAY	24"	110/60	1635	1	16	2 WIRE +GRND 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	
EP1	EXIST ELEC PANEL							
EP2	EXIST ELEC PANEL							
GU1	GENERAL USE	+48"	120/60					
GU2	GENERAL USE	+18"	120/60					
POS	POS	12"					POWER & DATA	
BMP	BUMP BAR MONITOR	VARIES	115/60				DATA FROM POS POWER & DATA	
BMPs	BUMP BAR EQUIPMENT ON RACK	60"	115/60				DATA FROM POS POWER & DATA	



PROPOSED POWER & SIGNAL PLAN

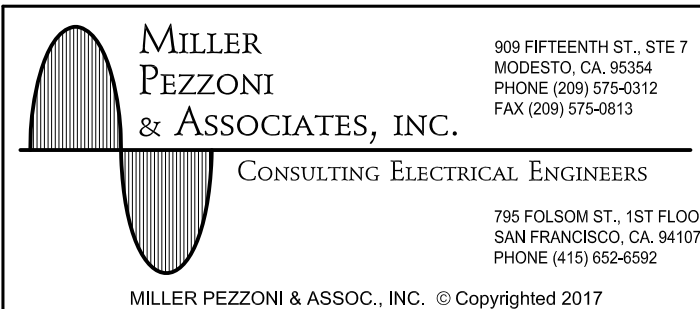
SCALE: $3/8"=1'-0"$

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.
3. INSTALL (N) 3 PHASE PANELBOARDS "A" & "B" AS CHASE NIPPLE W/ (N) FEEDER PER SINGLE 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 (N) NON-FUSED DISCONNECT 30A.-2P. TO 4KW-480V.-1PH. HOT WATERHEATER
6. PROVIDE NIPPLE CONNECTION.
7. (N) 1-GANG DATA OUTLET W/ DUPLICATION OUTLET -ROUTE (N) 1" C TO "TC-1" CABINET W/ (2) UTP6-4 TO POS SERVER AT FRONT COUNTERTOP.
8. (N) FLUCH CCTV CAMERA PELCO #1M10LW 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 CASE WORK.
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 AT (E) TR ROOM (NOTE #1 ON E1.0).
12. RE-PULL (E) CKT #44-32 THRU (E) RACEWAY AS REQD.
13. INSTALL CKT #44-32 THROUGH (E) RACEWAY TO (E) ELECTRICAL RUM.
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 CAFE -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 CAFE -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:

1. 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.



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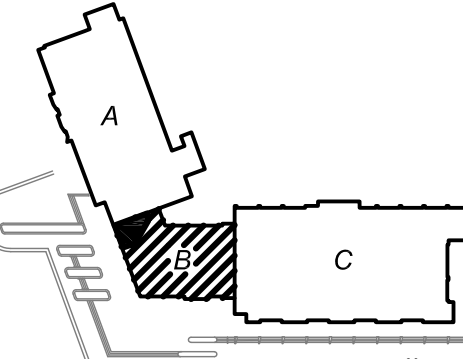
INTERIOR ARCHITECTURE & DESIGN

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& architecture
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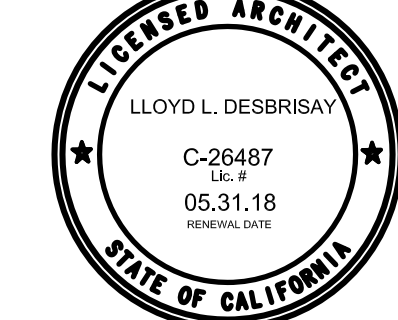
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KEY PLAN



GROUND FLOOR

ARCHITECT



ENGINEER



DSA

DATES

D.S.A. 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

PRELIMINARY 04.10.17

PROJECT

UC Merced
LIBRARY LANTERN CAFE

5200 N. Lake Road
Merced, California 95343

Cafe Remodel

PROJECT #: UCMERC_04101

SHEET TITLE

PROPOSED POWER & SIGNAL PLAN

SHEET NO.

E1.1

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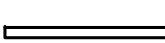
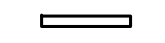


SYMBOL

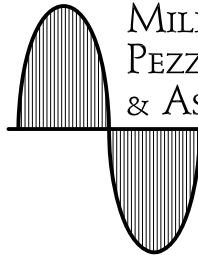
LIGHTING PLAN NOTES:

1. LED LOW VOLTAGE DRIVER W/ENCLOSURE & LUTRON #RMJ-5T-DV-B (POWPAK 0-10V DIMMING MODULE) -LOCATE AT CASEWORK SOFFIT.
2. ROUTE CLASS 2 LOW VOLTAGE CABLING CONCEALED WITHIN CASEWORK.
3. LUTRON #LRF2-OKLB-P-WH & CPN5991 (POWESAVER WIRELESS OCCUP. WALL SENSOR) -MOUNT ON WALL WITH ELEVATION SHOWN.
4. LUTRON #PJ2-3BRL-GXX-L01 (PICO WIRELESS 3-BUTTON REMOTE W/ CLARO WALLPLATE) -MOUNT AT +48" AFF TOP OF PLATE MAX.
5. LUTRON #LRF2-OCR2B-P-WH (POWESAVER WIRELESS OCCUPANCY CEILING MOUNTED SENSOR).
6. LUTRON #RMJ-H20R-DV-B (POWPACK RECP. CONTROLLER)- LOCATE AT SOFFIT & ROUTE UNDERGROUND.
7. (N) SWITCHED RECP. NECT TO "E07" OUTLET BOX- COORDINATE CONNECTION OF CASEWORK LIGHTING.
8. LUTRON #PJ2-2B-GXX-L01 (PICO WIRELESS 2-BUTTON REMOTE W/ CLARO WALLPLATE) -MOUNT AT +48" AFF TOP OF PLATE MAX.
9. REPLACE (E) SURFACE MTD. WALL WASHER FIXTURES IN KIND w/ (N) TYPE "C" FIXTURE- APPROXIMATE CEILING HEIGHT= 24'-0".

1 PROPOSED LIGHTING PLAN

SCALE: 1/4"=1'-0"

LIGHTING FIXTURE SCHEDULE				
DESIG.	SYMBOL	LAMP	DESCRIPTION	MANUFACTURER
		QTY/WATTS		
A		LED 2363 lm 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/ TLDVAV100W24, 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/ TLDVAV100W24, 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/ TLDVAV60W12V, TLC010i & EBX- 260-ZP
C		LED 2700 lm 28W.	8" SURFACE CYLINDER WHITE- MED THROW 0-10V. DRIVER	JUNO #LCBS-23LM-35K-MVOLT-W-G3- 90CRI-ZT-HM-CSS



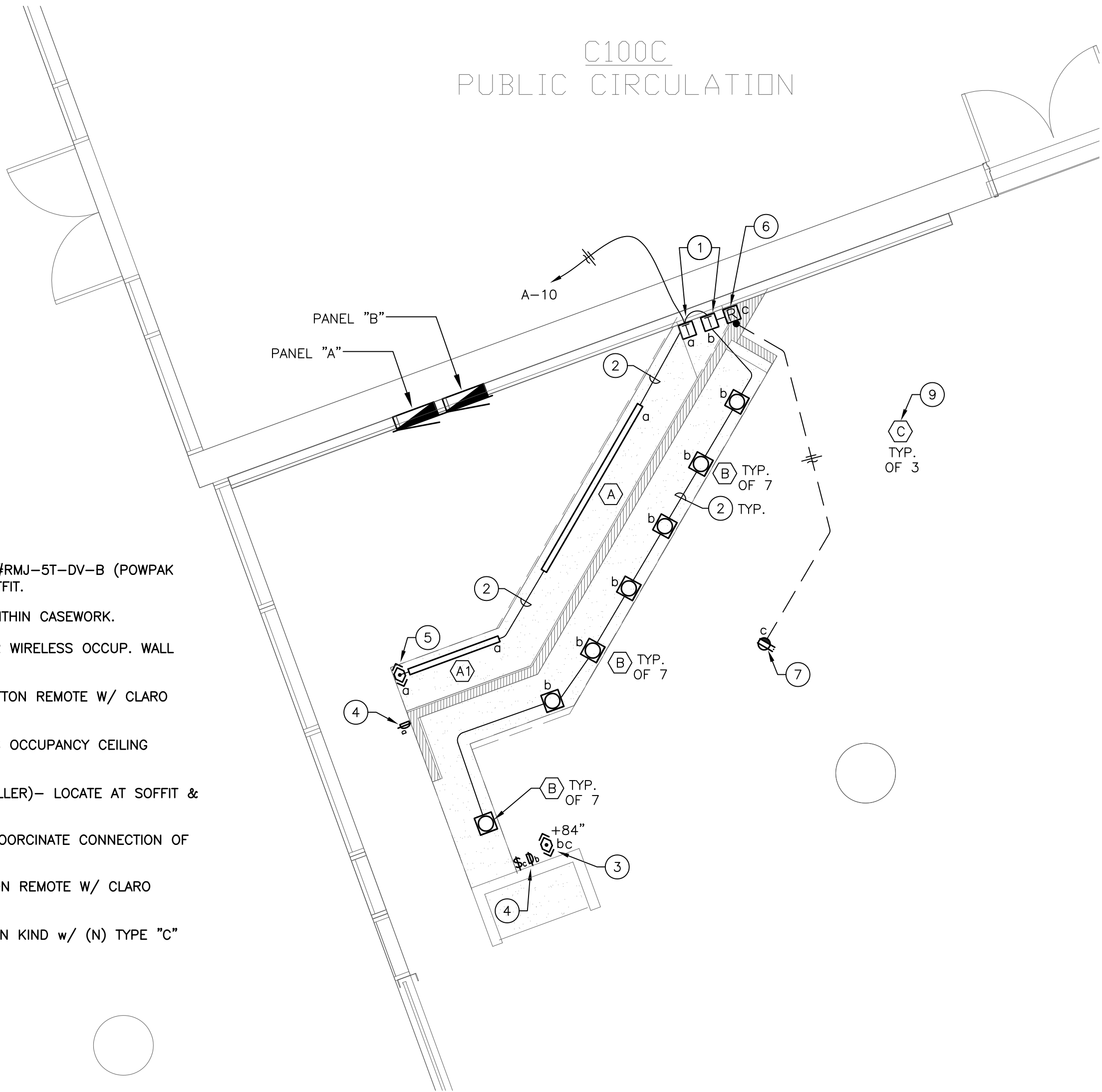
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KEY PLAN



GROUND FLOOR

ARCHITECT



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DATES	
D.S.A. SUBMITTAL	06.16.17
UC FACILITIES REVIEW	06.06.17
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FOR ENGINEERING	05.17.17
UPDATED FINAL	04.17.17
UPDATED PRELIM	04.12.17
PRELIMINARY	04.10.17

PROJECT

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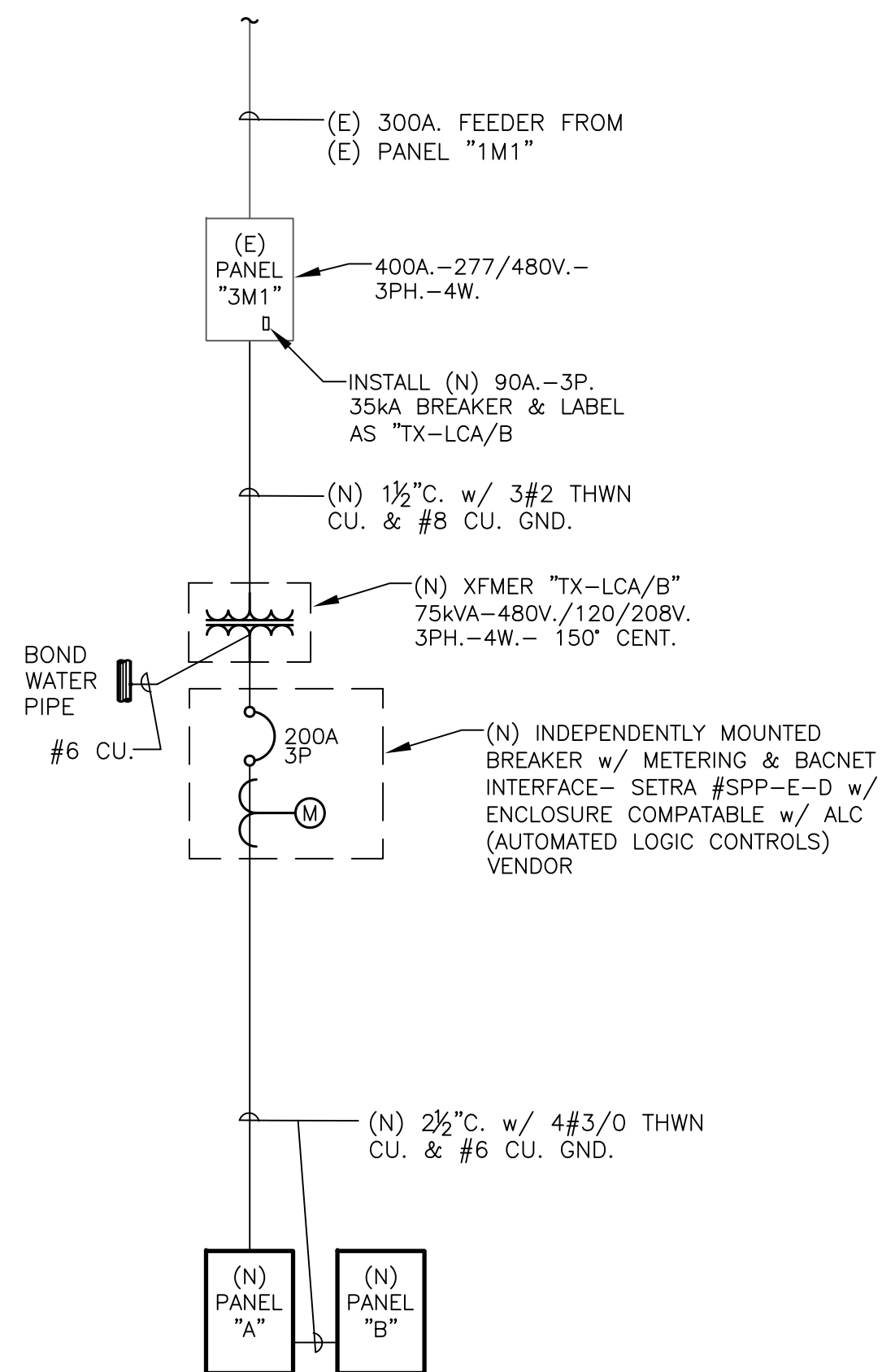
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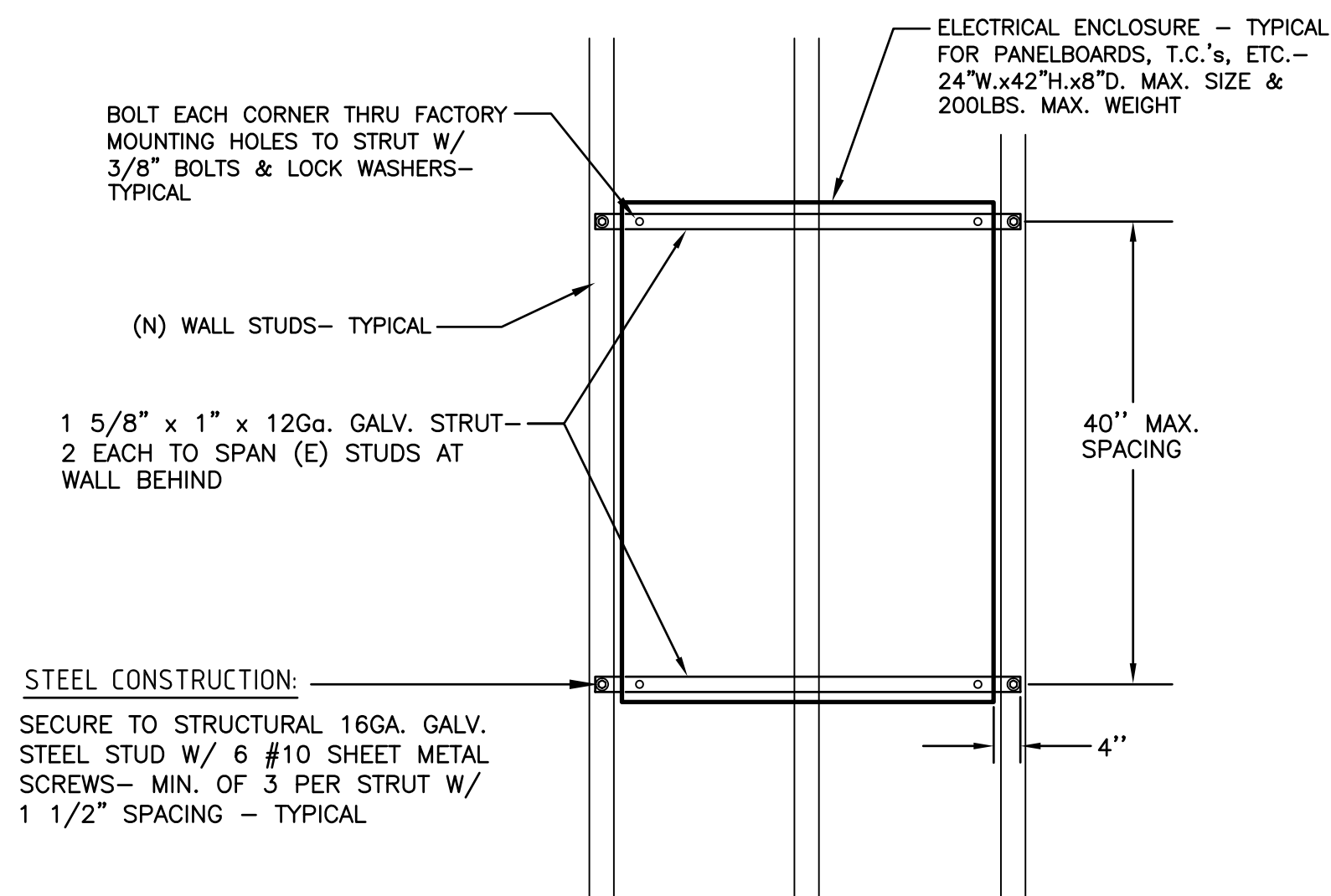
PROJECT #: UCMERC_041017

SHEET TITLE



② PARTIAL SINGLE LINE DIAGRAM

SCALE: NONE

ELEVATION

3 SURFACE PANEL MOUNTING – TYPICAL

SCALE: N.T.S.



1 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) XFMR "TX-LCA/B".
3. INSTALL (N) XFMR PER DETAIL 3/4-E0 - 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/O THWN CU. & #6 CU. GND. - INSTALL PER DETAIL 3/E3.0.
5. ROUTE (N) SECONDARY FEEDER WITHIN ATTIC SPACE - COORDINATE ROUTING IN FIELD WITH EXISTING CONDITIONS & BUILDING OCCUPANTS - ASSUME AFTER HOUR WORK FOR INSTALLATION.
6. (N) CLG. MOUNTED J-BOX INSTALLED PER DETAIL 4/E4.0.
7. (N) 2.5". 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/ MASONRY SCREWS.

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" & 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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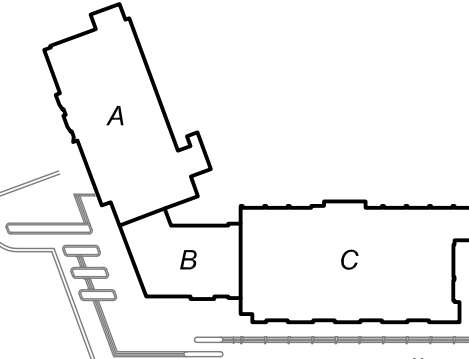
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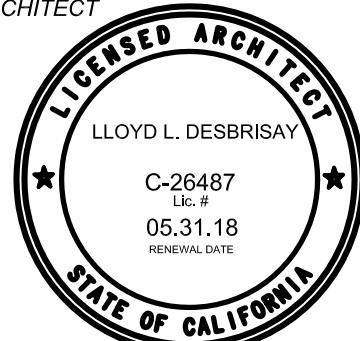
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KEY PLAN



GROUND FLOOR

ARCHITECT



ENGINEER



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DATES

D.S.A. SUBMITTAL	06.16.17
UC FACILITIES REVIEW	06.06.17
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FOR ENGINEERING	05.17.17
UPDATED FINAL	04.17.17
UPDATED PRELIM	04.12.17
PRELIMINARY	04.10.17

PROJECT

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Cafe Remodel


PROJECT #: UCMERC 04101

SHEET TITLE

3RD FLOOR
ELECTRICAL PLAN

SHEET NC

E3.0



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