

FOODSERVICE RENOVATIONS FOR  
SWEARINGEN ENGINEERING CENTER  
UNIVERSITY OF SOUTH CAROLINA  
Columbia, S. C.

Job Number:  
K&T

Drawn by:  
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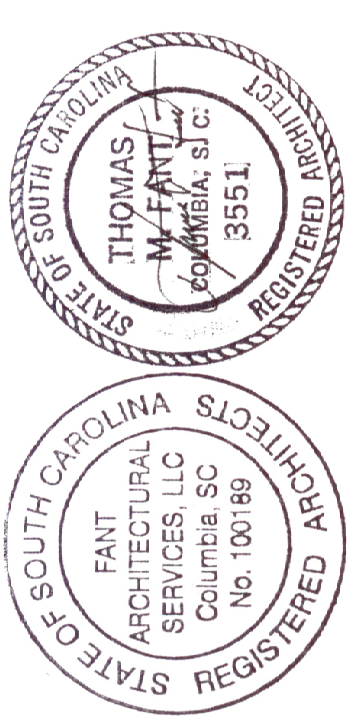
Plotted on:  
5/20/2015

Drawing date:  
5/17/2015

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FOODSERVICE RENOVATIONS FOR  
SWEARINGEN ENGINEERING CENTER  
UNIVERSITY OF SOUTH CAROLINA  
Columbia, S. C.



3610 Landmark Dr., Suite C, Columbia SC, 29204-4038 / 803.233.3989 V / 803.233.6861 F / 803.351.7879 M / [Fant@FantArchitecturalService.com](mailto:Fant@FantArchitecturalService.com)

TABLE OF CONTENTS

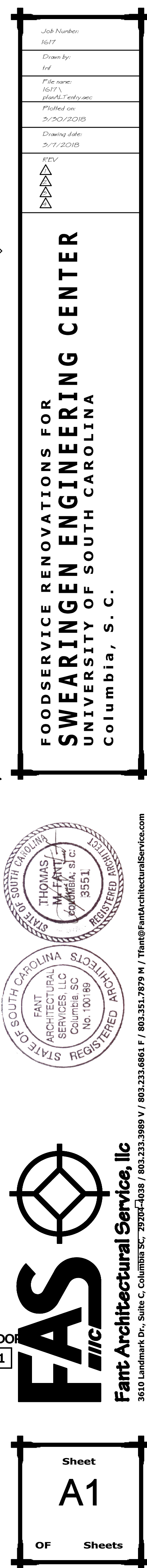
C1	COVER / TABLE OF CONTENTS
D1	DEMOLITION PLAN
D2	DEMOLITION REFLECTED CEILING PLAN
A1	FLOOR PLAN
A2	REFLECTED CEILING PLAN
A3	MILLWORK
A4	MILLWORK
A5	WINDOW TYPES / DOOR SCHEDULE / DOOR TYPES / WALL TYPES
A6	MILLWORK / ROOM FINISH SCHEDULE
A7	DETAILS / INTERIOR ELEVATIONS
K1	KITCHEN EQUIPMENT PLAN
K2	KITCHEN EQUIPMENT SCHEDULE / NOTES
K3	KITCHEN EQUIPMENT PLUMBING PLAN
K4	KITCHEN EQUIPMENT ELECTRICAL PLAN
P100	PLUMBING SPECIFICATION
P200	PLUMBING PLANS
M100	MECHANICAL DEMOLITION PLAN
M200	MECHANICAL PLAN
M300	MECHANICAL SYMBOLS SCHEDULES AND NOTES
M400	MECHANICAL SPECIFICATIONS
E1	ELECTRICAL SCHEDULES, NOTES AND SPECIFICATIONS
E2	LIGHTING PLAN
E3	POWER AND COMMUNICATIONS PLAN
E4	KITCHEN EQUIPMENT POWER PLAN

Sheet

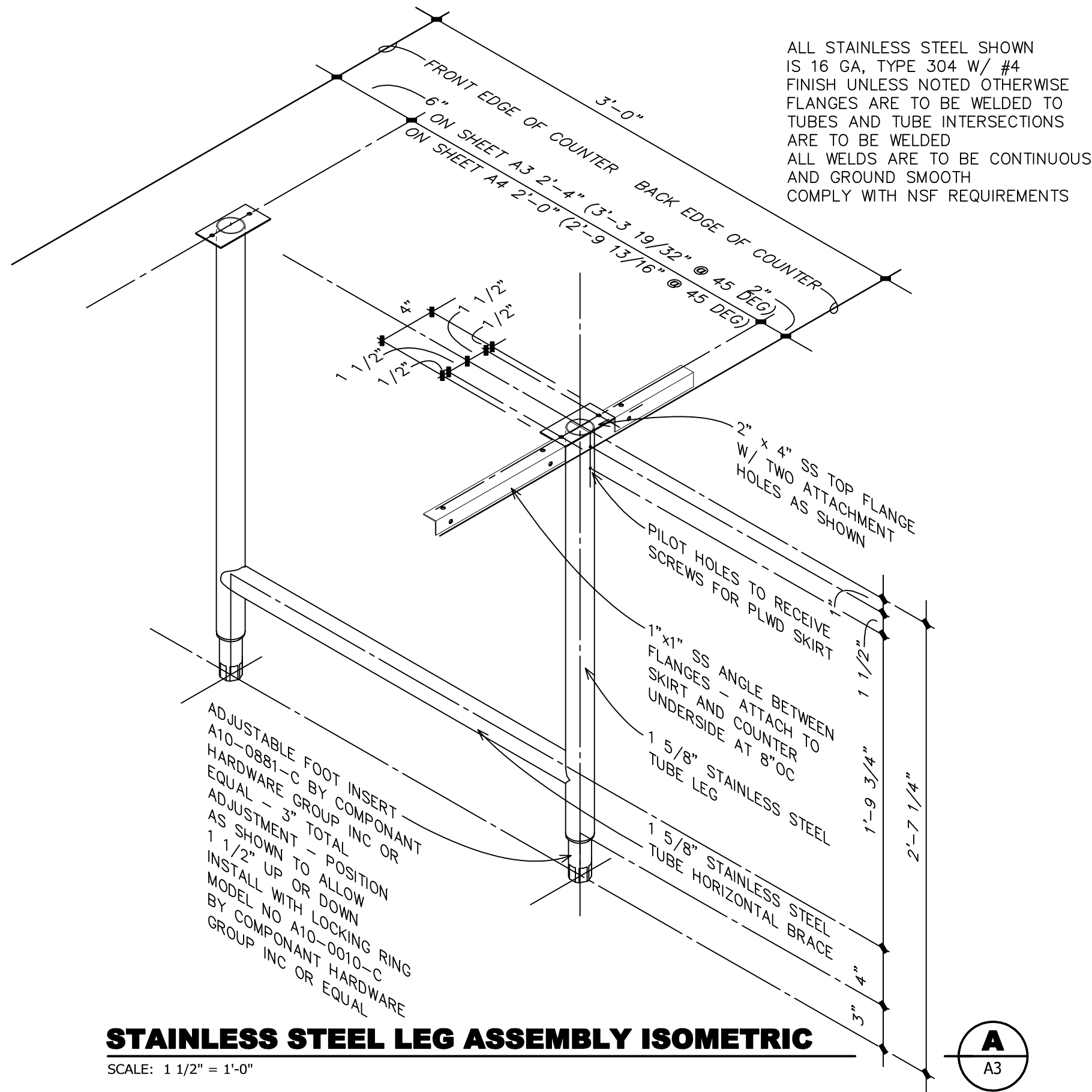
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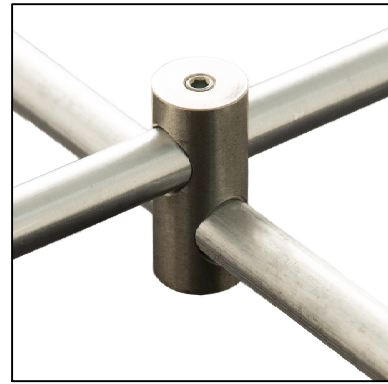






Image

NOTE: FITTING BRAND NAMES GIVEN ARE "BASIS OF DESIGN" AND ARE SELECTED TO DEMONSTRATE DESIGN INTENT - OTHER FITTING MANUF MAY BE SUBSTITUTED - GC ASSUMES ALL DIMENSIONAL CO-ORDINATION ASSOCIATED WITH SUBSTITUTIONS



Image



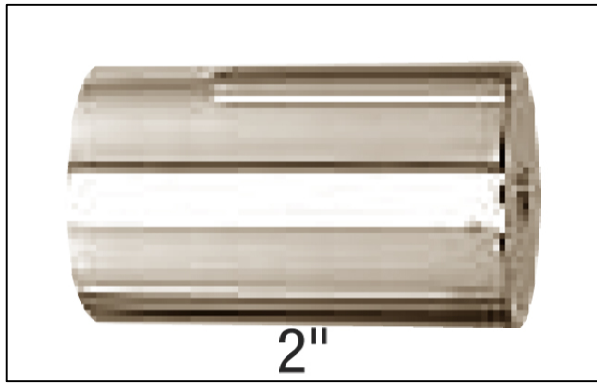
Fitting A

Brushed SS fitting Rod to Tube Indital E-006



Fitting B

Brushed SS fitting Rod to Panel Indital E-0092



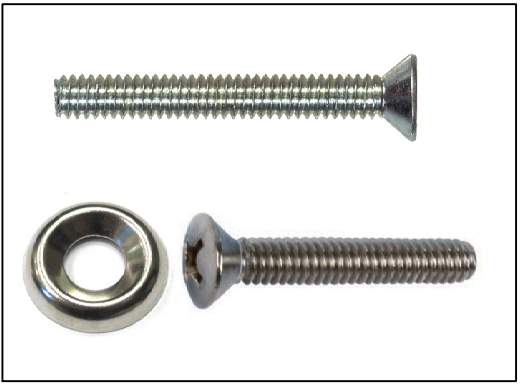
Fitting C

Brushed Stainless Steel Standoff CRLaurence SOB102B5 1/4" x 20 thread



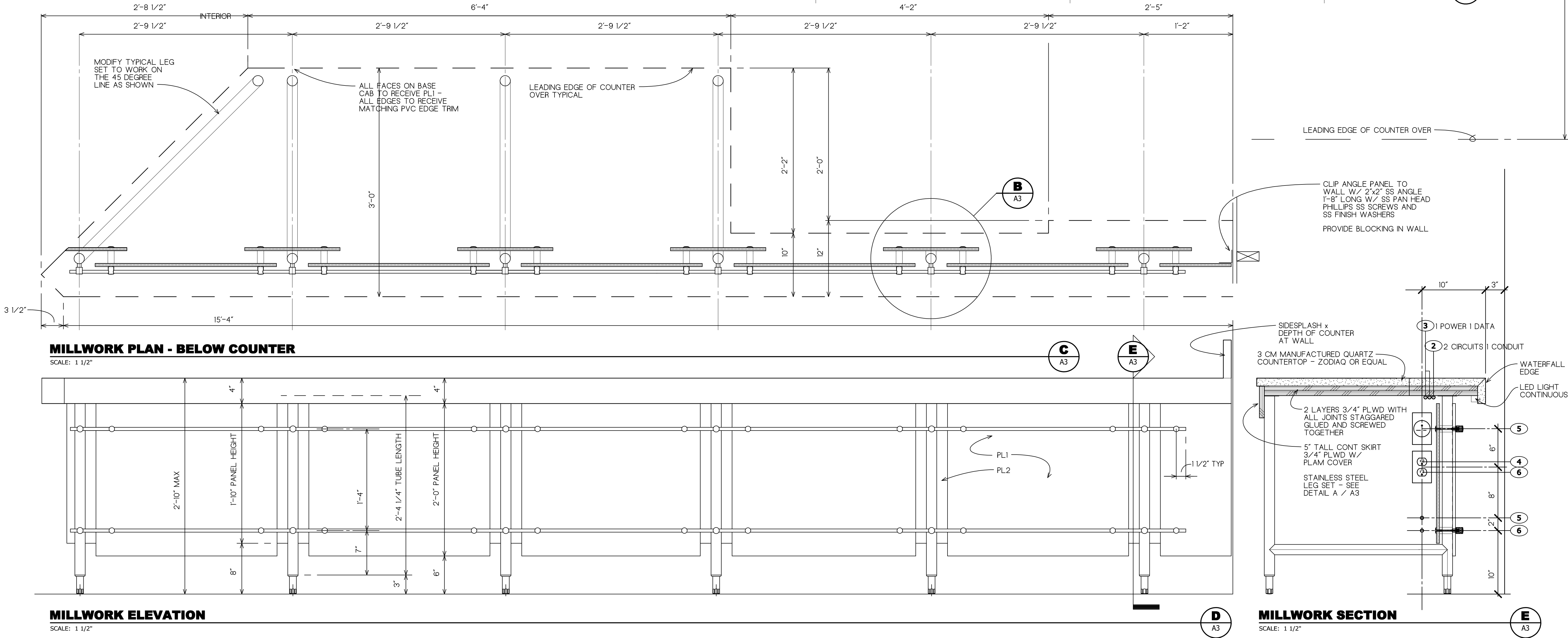
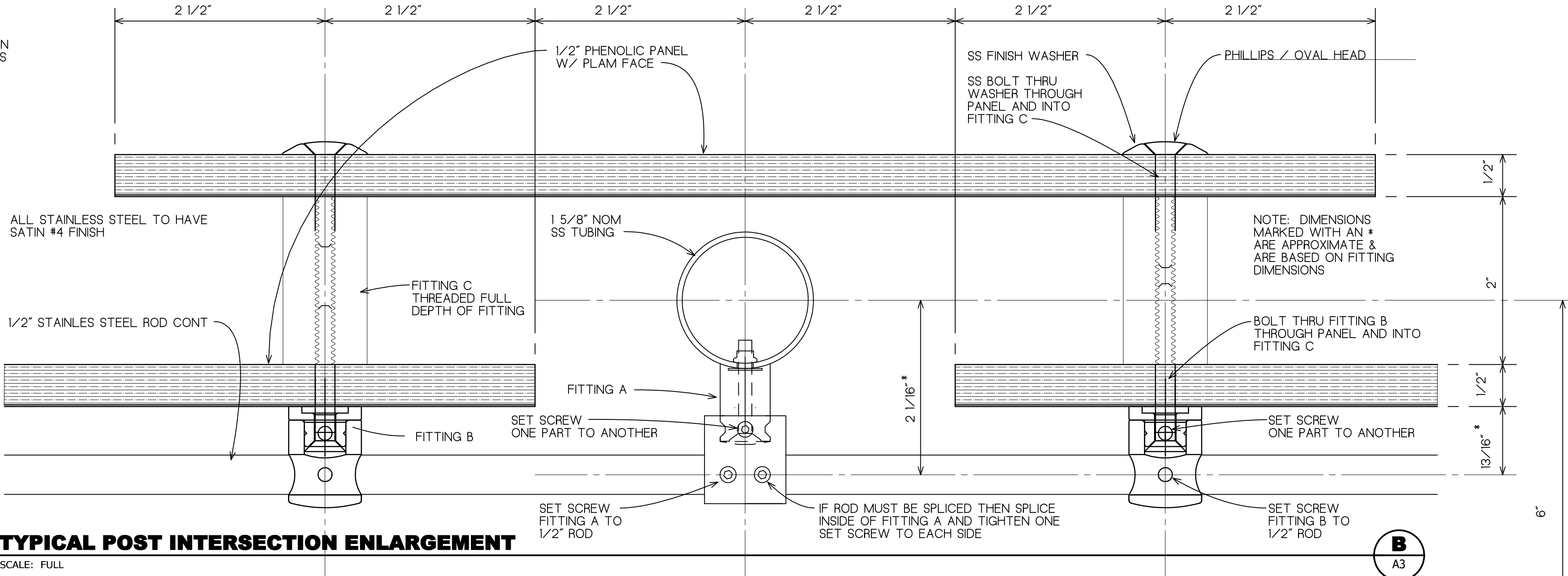
Fitting D

Closed Lab Rod Connector Lee Engineering SL2A-1C 1/2" rod x 1/2" rod 90 deg

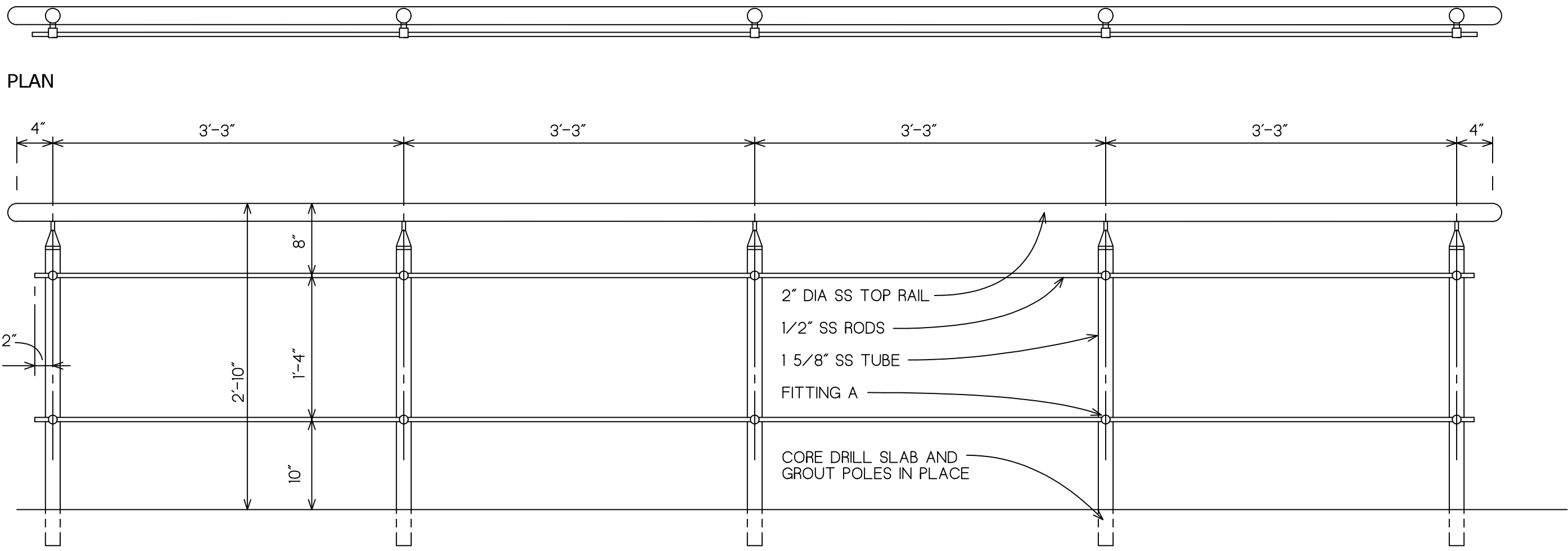


Fasteners

SS Flat head Screw 1/4 - 20 x 2" SS Finish Washer SS Oval head Screw 1/4 - 20 x 1 1/2"





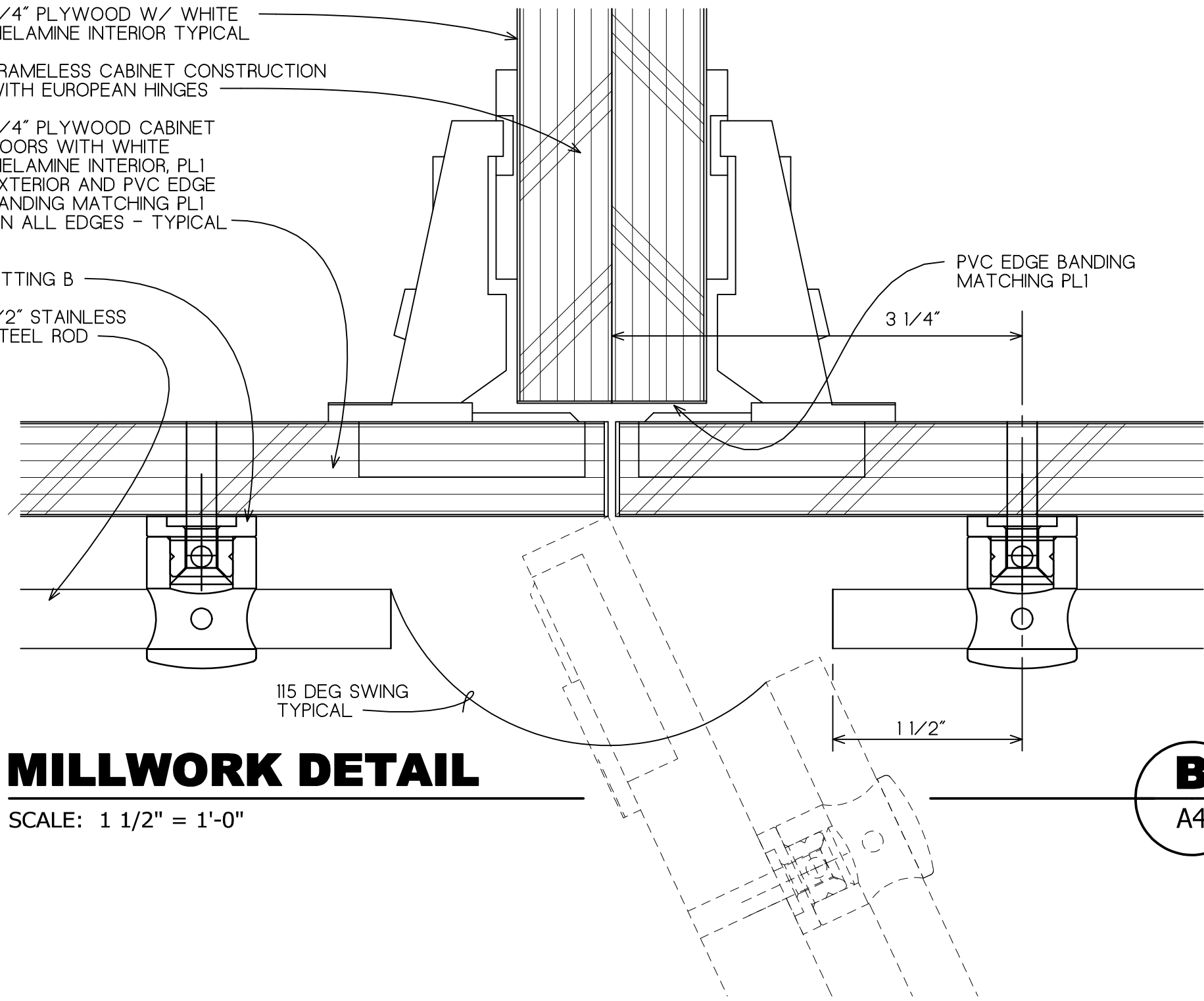


ELEVATION

**RAILING**

SCALE: 1" = 1'-0"

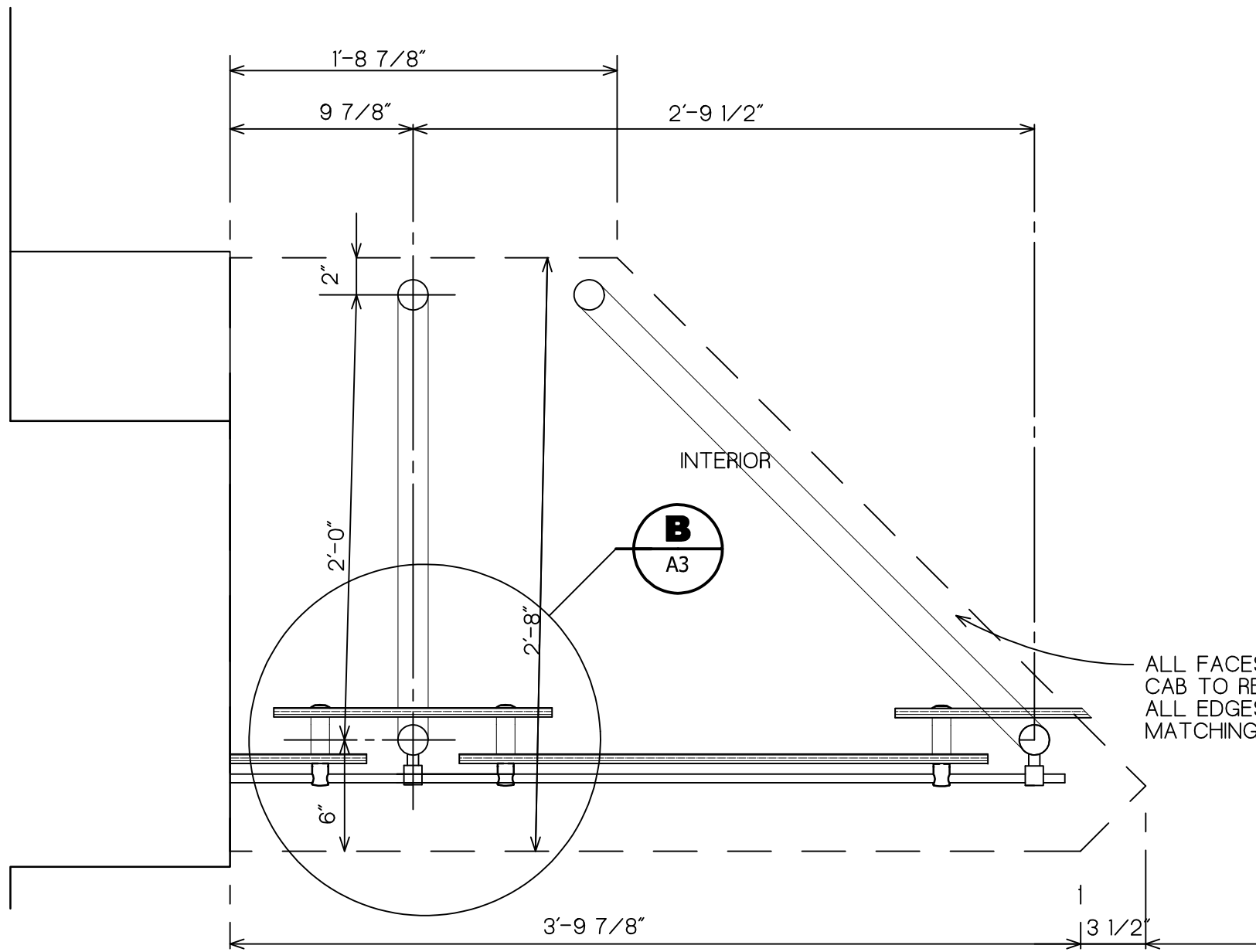
**A**  
A4



**MILLWORK DETAIL**

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

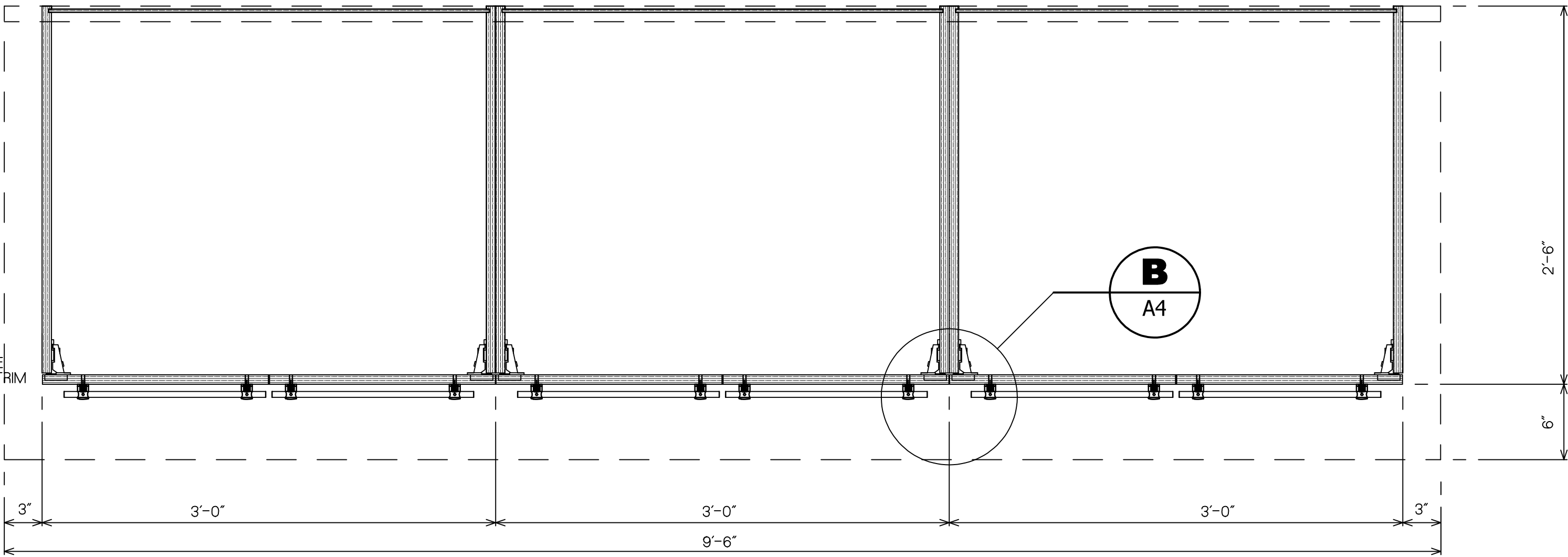
**B**  
A4



**MILLWORK PLAN - BELOW COUNTER**

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

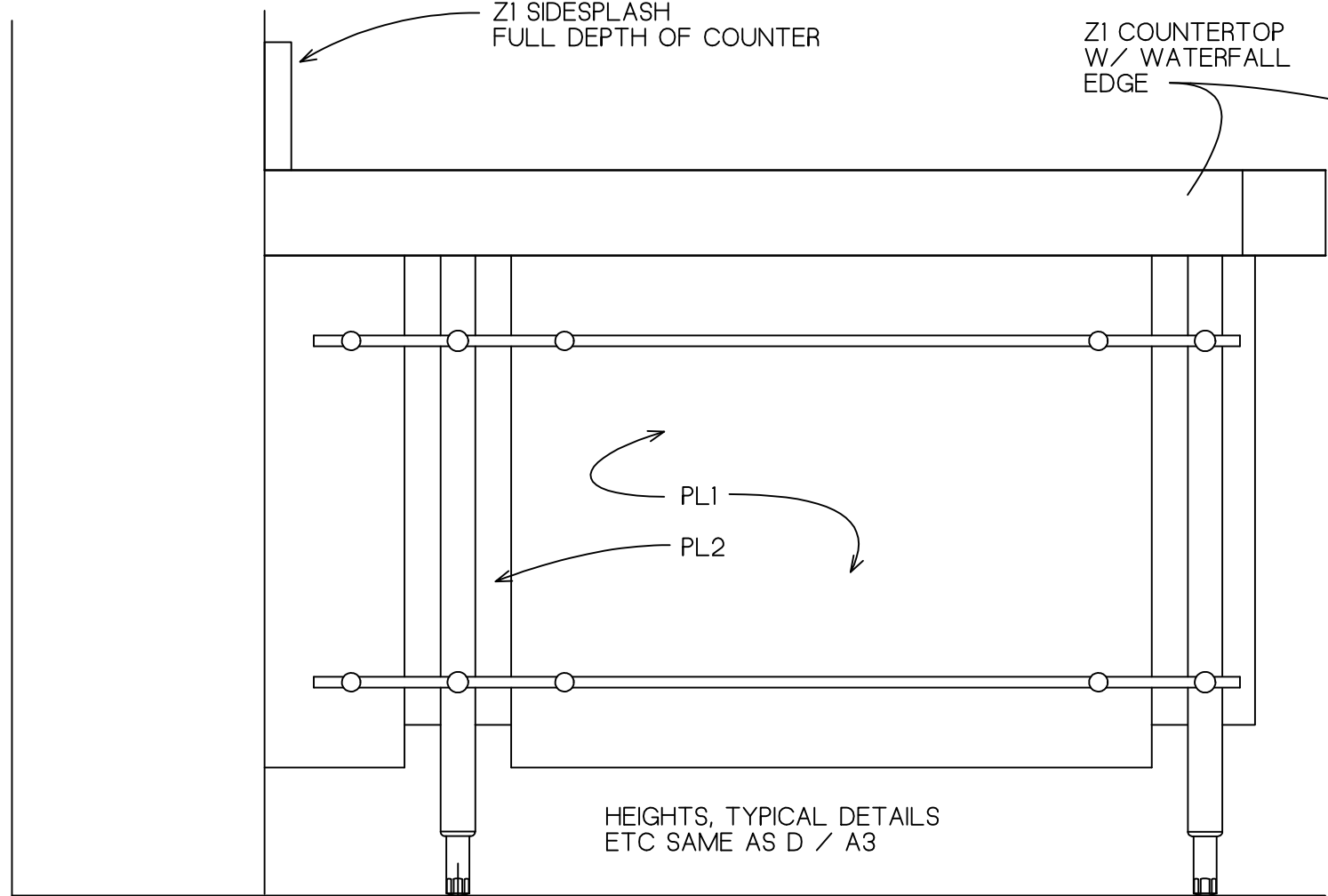
**C**  
A4



**MILLWORK PLAN - BELOW COUNTER**

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

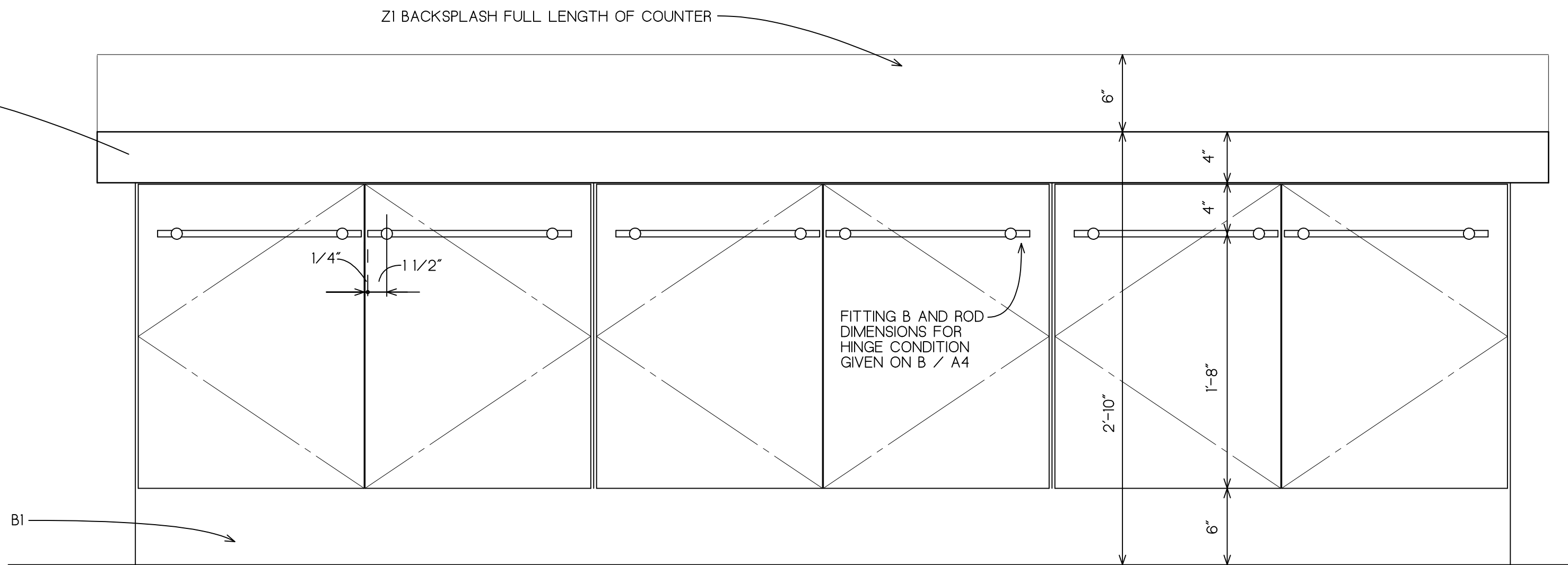
**E**  
A4



**MILLWORK ELEVATION**

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

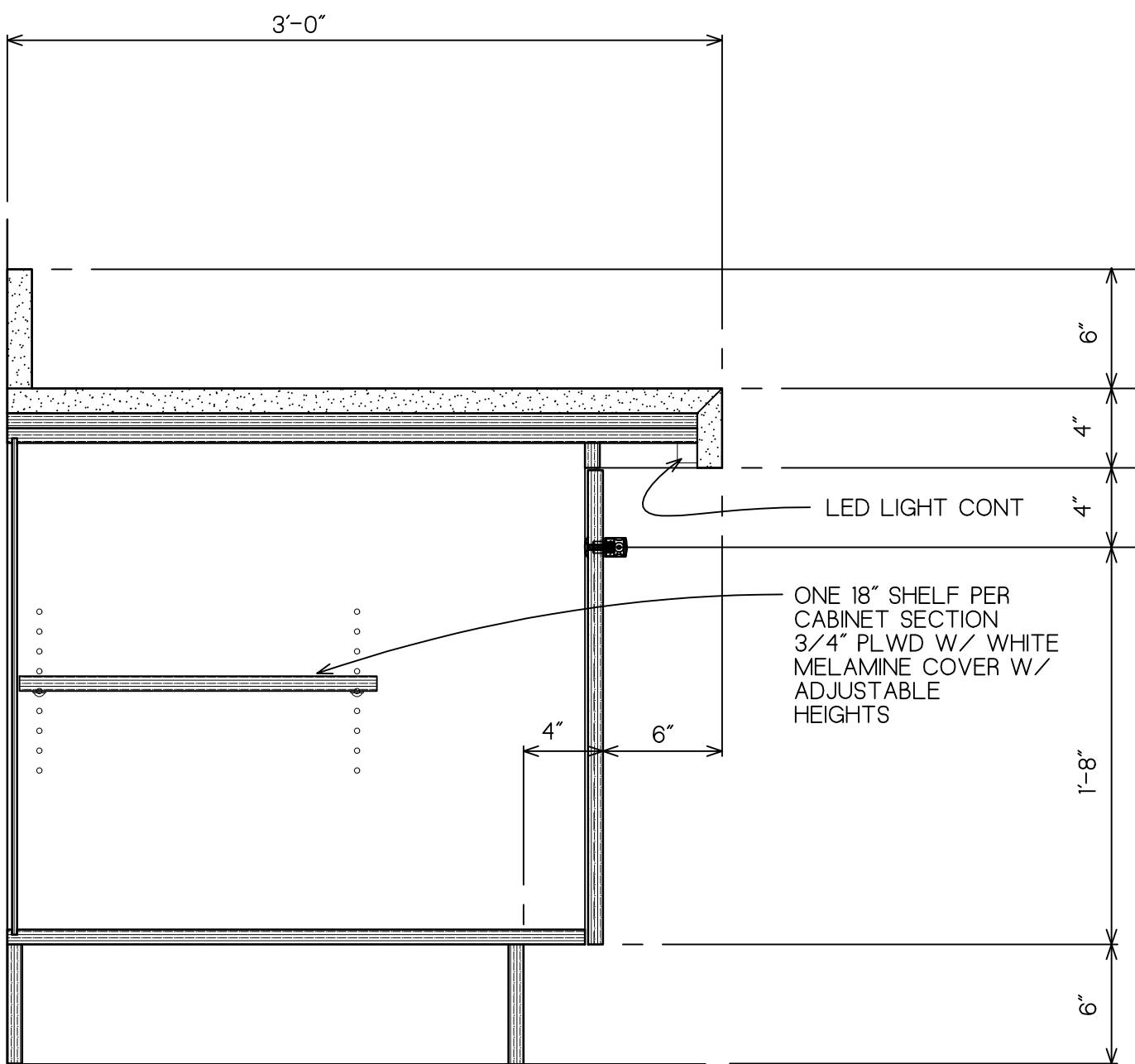
**D**  
A4



**MILLWORK ELEVATION**

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

**F**  
A4



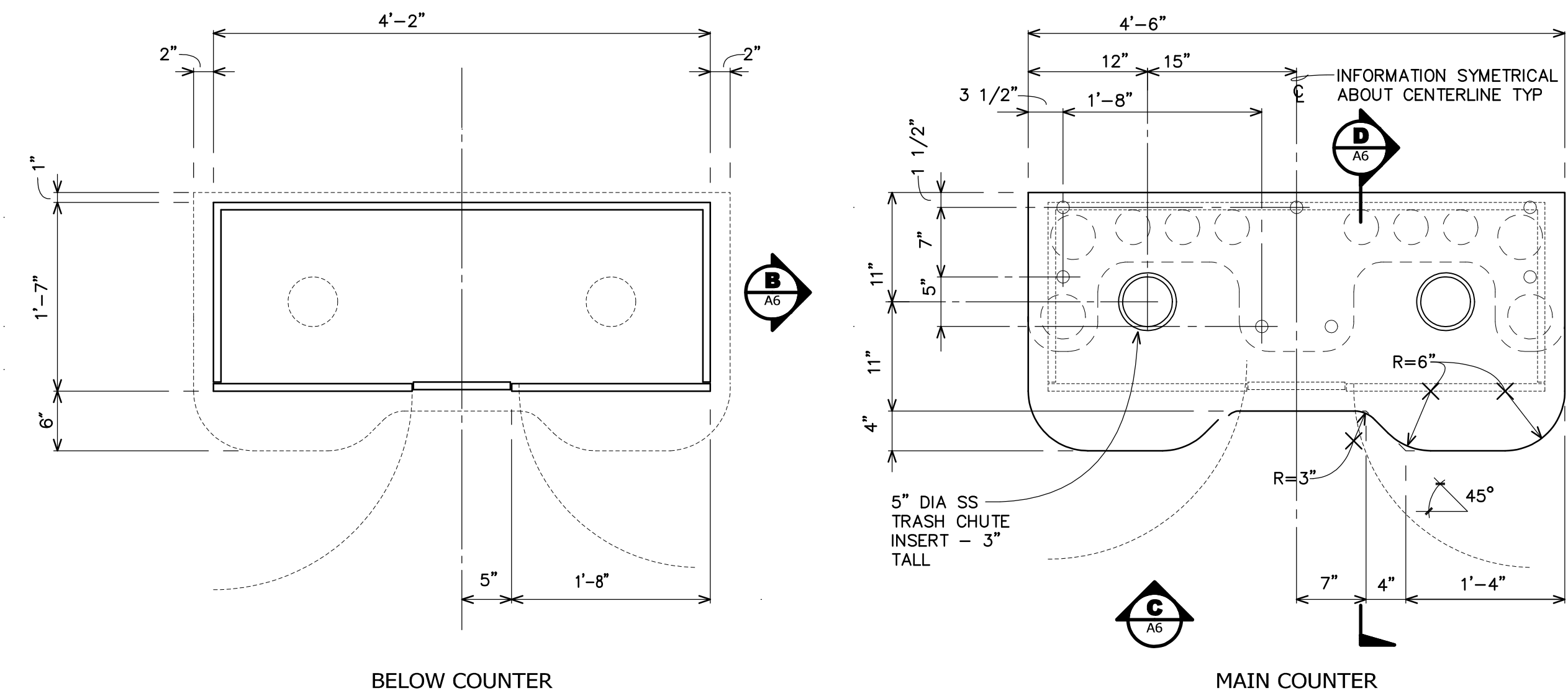
**SECTION**

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

**F**  
A4

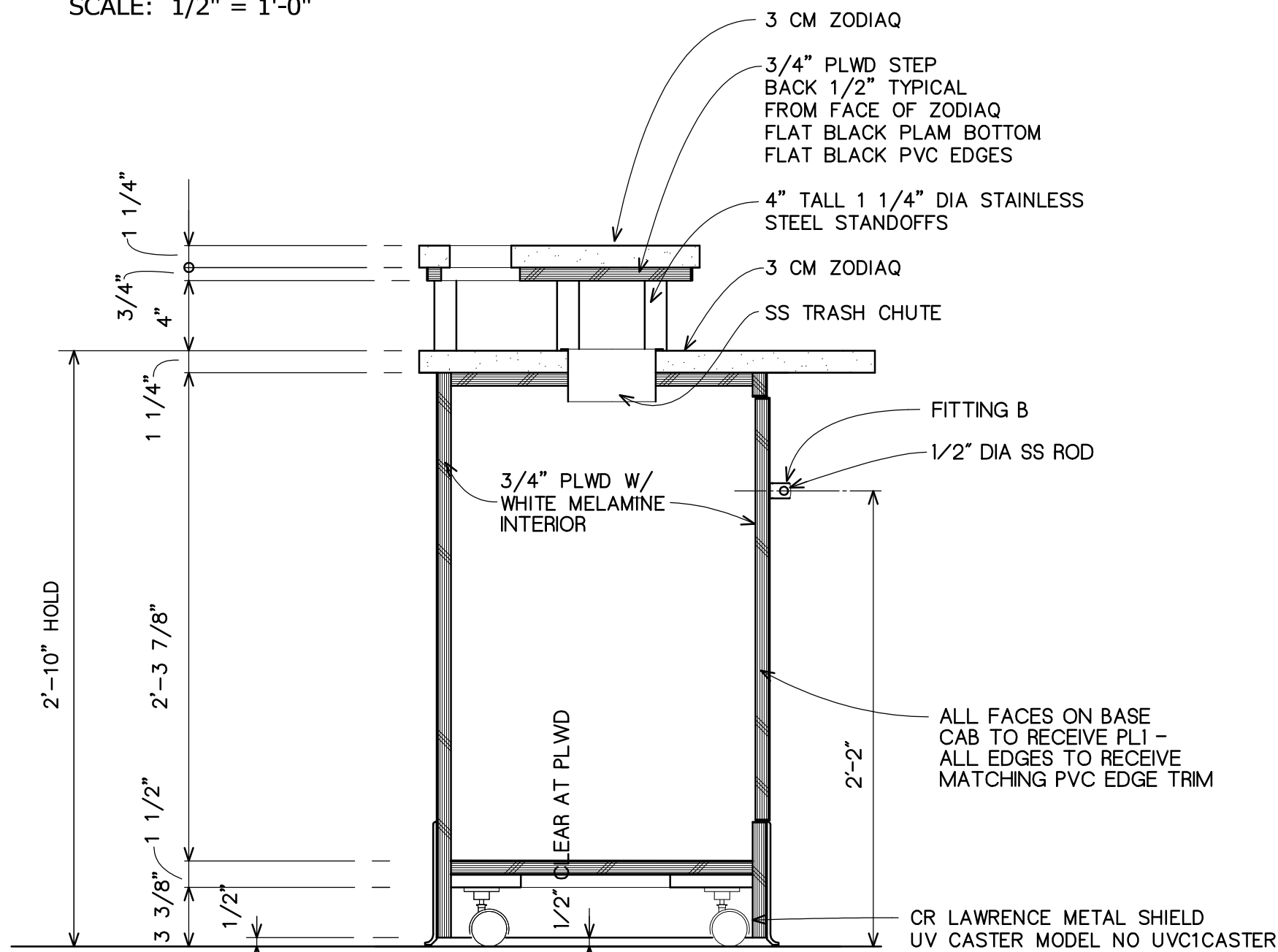


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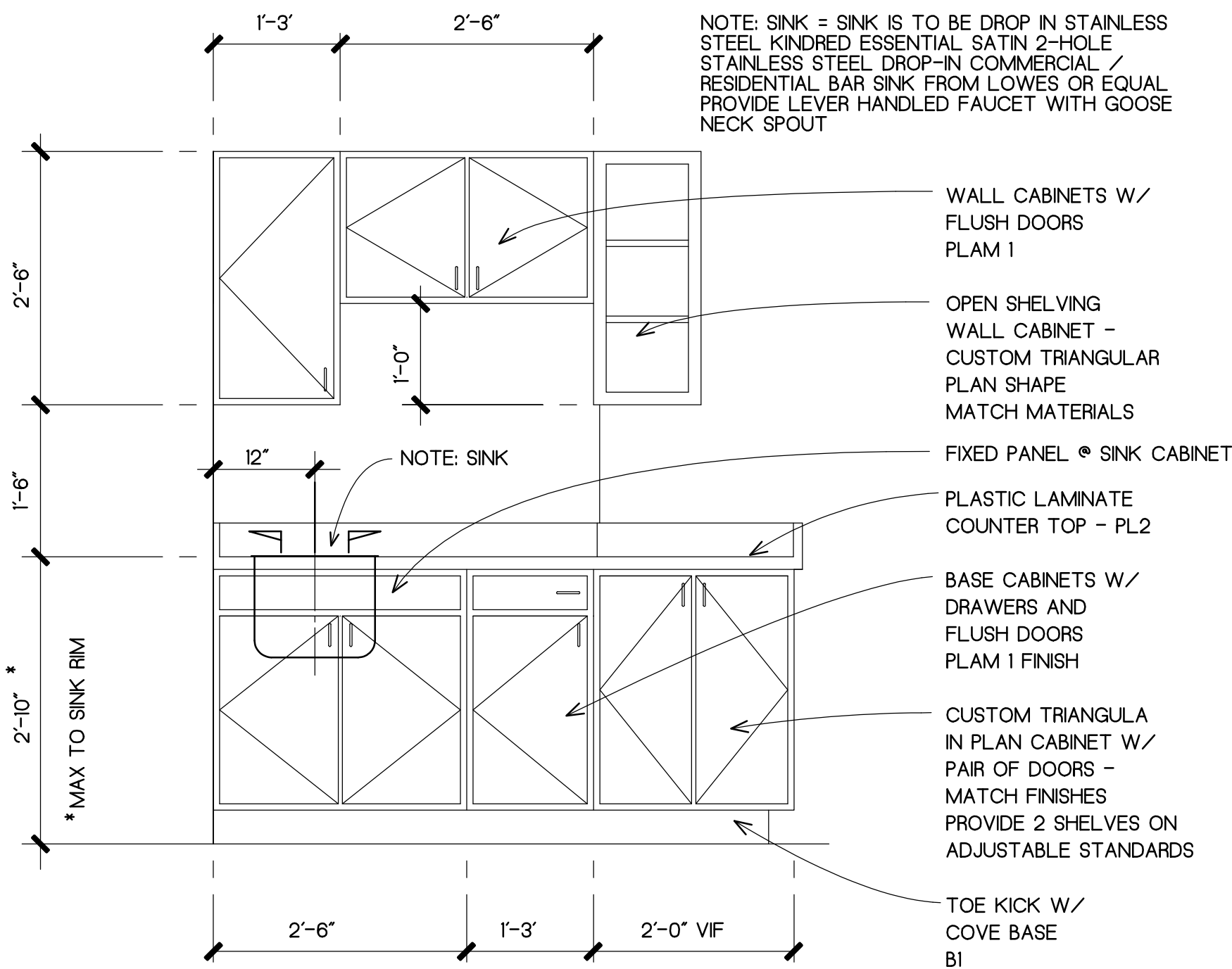
## COFFEE CART PLANS

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



## COFFEE CART SECTION

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

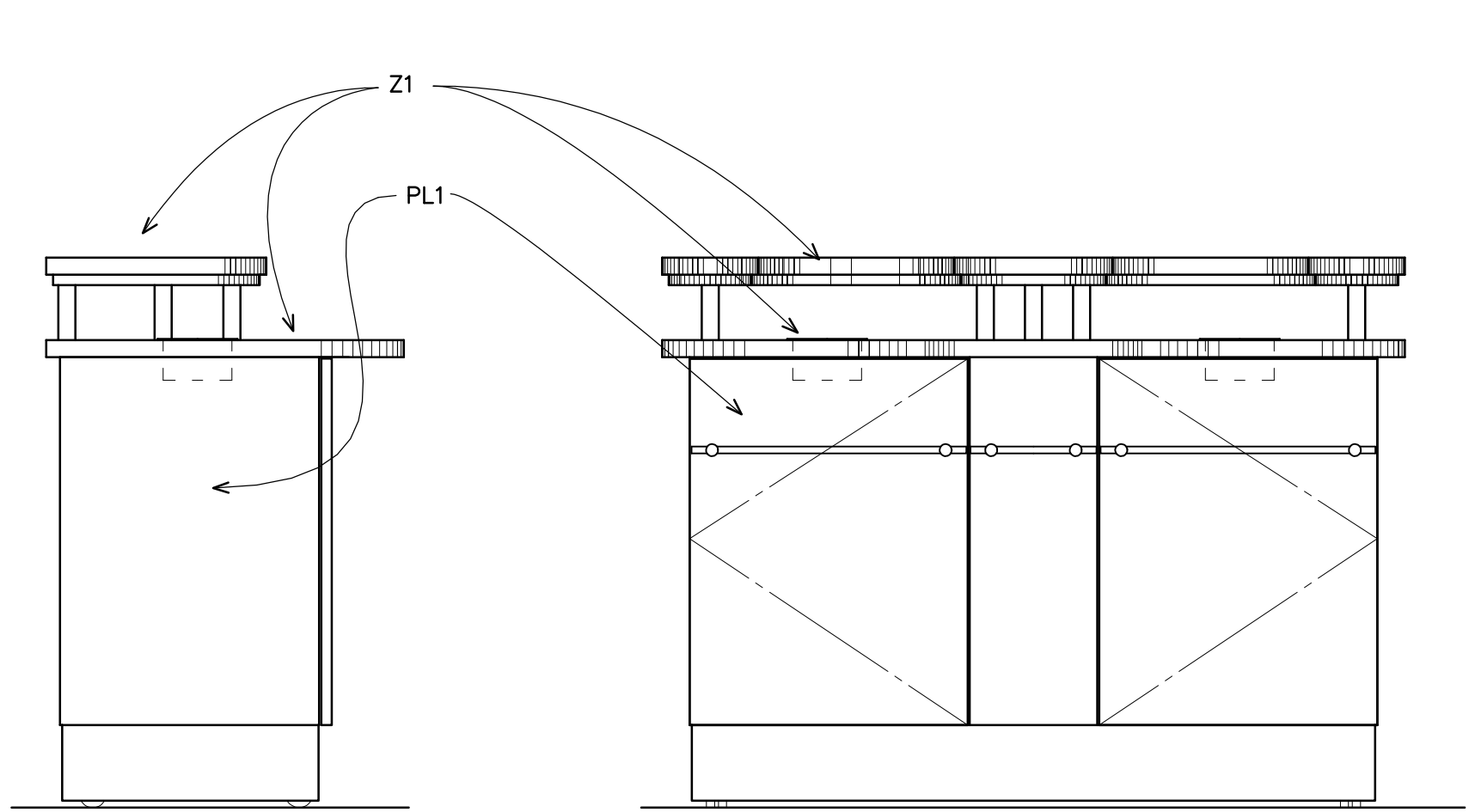


## MILLWORK ELEVATION

SCALE: 3/4" = 1'-0"

## ROOM FINISH SCHEDULE

MARK	ROOM NAME	FLOOR	BASE	WALLS	CEILING	HEIGHT	REMARKS
1A01	CAFE'	C1 & VCT1 x EXIST TILE	B1	P1	GYP & ACT1	9'-6"	NEW ROOM SIGNAGE - MATCH EXISTING
1A01A	FRONT OF HOUSE	VCT1	B1	P2	ACT1	8'-0"	NEW ROOM SIGNAGE - MATCH EXISTING
1A01B	BACK OF HOUSE	VCT1	B1	FRP1 / P2	ACT2	8'-0"	NEW ROOM SIGNAGE - MATCH EXISTING
1A03	RECEPTION	C2	B2	P3	ACT3	8'-6"	NEW ROOM SIGNAGE - MATCH EXISTING
1A03A	OFFICE	C2	B2	P3	ACT3	8'-6"	NEW ROOM SIGNAGE - MATCH EXISTING
1A03B	OFFICE	C2	B2	P3	ACT3	8'-6"	NEW ROOM SIGNAGE - MATCH EXISTING
1A03C	OFFICE	C2	B2	P3	ACT3	8'-6"	NEW ROOM SIGNAGE - MATCH EXISTING
1A03D	OFFICE	C2	B2	P3	ACT3	8'-6"	NEW ROOM SIGNAGE - MATCH EXISTING
1A03E	CIRCULATION	C2	B2	P3		8'-6"	NEW ROOM SIGNAGE - MATCH EXISTING
1A03F	STORAGE	- - -	B2	P3	- - -	8'-6"	NEW ROOM SIGNAGE - MATCH EXISTING
1A03G	INTERVIEW	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A03H	INTERVIEW	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A03I	INTERVIEW	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A03J	INTERVIEW	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A03K	INTERVIEW	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A03L	ELECT	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A05	FACULTY LOUNGE	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A05A	STORAGE	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A05B	KETCHENETTE	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A05C	WOMEN	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A05D	MEN	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
1A07	VENDING	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
V101	LOBBY	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
V102	VESTIBULE	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
V103	VESTIBULE	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING
H101	CORRIDOR	- - -	- - -	- - -	- - -	- - -	NEW ROOM SIGNAGE - MATCH EXISTING



## FINISH SELECTIONS

- CARPET
- C1 MANNINGTON TUCSON COLLECTION (84167) ANTRON LUMENA W/ X GUARD STAIN RESITANT
- C2 MATCH EXISTING
- VINYL COMPOSITE TILE
- VCT1 MANNINGTON FIERA FLINT MSC218 SELECT TILE 18" X 18"
- RUBBER BASE
- B1 JOHNSONITE TRADITIONAL 44 DARK BROWN B
- B2 MATCH EXISTING
- PAINT
- P1 SHERWIN WILLIAMS E12/SW7003 TOQUE WHITE TRIM T B D
- P2 SHERWIN WILLIAMS 6230 RAINSTORM (ACCENT WALL ONLY - BEHIND COUNTER) TRIM T B D
- P3 MATCH EXISTING TRIM T B D
- FIBERGLASS REINFORCED PANELS
- FRP1 T B D BACK OF HOUSE
- PLASTIC LAMINATE
- PL1 WILSON ART- PORTICO TEAK
- PL2 EDGING TO BE BLACK RUBBER
- ACOUSTICAL CEILINGS
- ACT 1 GRID 15/16" WHITE ARMSTRONG TECHZONE
- TILE PRELUDE XL SQUARE TEGULAR WHITE ARMSTRONG
- ACT 2 GRID 15/16" WHITE ARMSTRONG
- TILE VINYL COATED GYP WHITE ARMSTRONG
- ACT 3 GRID 15/16" WHITE ARMSTRONG
- TILE PRELUDE XL SQUARE TEGULAR WHITE ARMSTRONG
- ZODIAQ
- Z1 CORIAN QUARTZ NEVE (LIGHT VEINED QUARTZ)

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Drawn by: tmf

File name: 000 MILLWORK.aec

Plotted on: 4/4/2018

Drawing date: 3/7/2018

REV

FOODSERVICE RENOVATIONS FOR  
**SWERINGEN ENGINEERING CENTER**  
UNIVERSITY OF SOUTH CAROLINA  
Columbia, S. C.

THOMAS M. FANT ARCHITECTURAL SERVICES, LLC

REGISTERED ARCHITECT

3951

STATE OF SOUTH CAROLINA

FANT ARCHITECTURAL SERVICES, LLC

REGISTERED ARCHITECT

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COLUMBIA, SC

**FAS**

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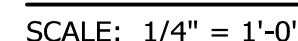
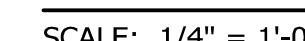
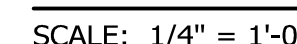
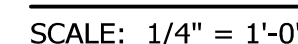
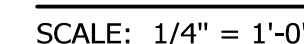
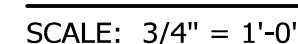
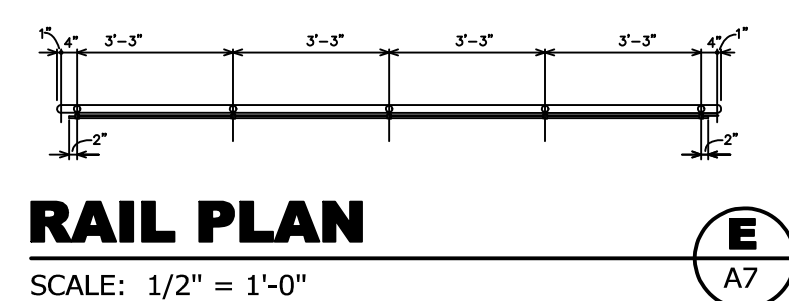
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Sheet

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OF Sheets















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EQUIPMENT SCHEDULE																											
ITEM No.	QTY.	DESCRIPTION	MANUF.	MODEL	REMARKS	ELECTRICAL						GAS			COLD WATER		HOT WATER		DIRECT DRAIN		INDIRECT DRAIN	PLUMBING REMARKS					
						AMPS	HP	VOLTS	PHASE	HEIGHT	SHUNT	ELECTRIC REMARKS	SIZE	HEIGHT	BTU	SIZE	HEIGHT	SIZE	HEIGHT	SIZE			HEIGHT				
1	1	Curved Glass Refrigerated Deli Case	Federal	CGR5948CD		12	1/2	120	1	18"		NEMA 5-15 P															
2	1	Hybrid Merchandiser	Federal	CH3628 / RSS33C		9		120	1	28"		NEMA 5-15 P															
						15	1/3	120	1	28"		NEMA 5-20 P															
3	1	Point of Sale	By Ops	By Ops		10		120	1	28"		DEDICATED CIRCUIT – COMMUNICATIONS DROP															
4	1	2 Door Worktop Refrigerator	Delfield	UC4048P		4		120	1	20"		NEMA 5-15 P															
5	1	Espresso Machine	Schaerer	Verismo 701		25		208	1	26"		NEMA L6-30 P				3/8" FIP	12"				BY INSTALLER	FILTRATION REQD					
6	1	Nitro Injector	Cornelius	Nitropro	Include water filter	3		110	1	20"		NEMA 5-15 P				1/4" BARB	10"				1/2" PVC	FILTRATION REQD					
7	1	Hand Sink	Eagle	HSA-10-FAW												1/2"	20"	1/2"	20"	1 1/2"	18"		12" TALL SPLASH LEFT SIDE REQD – SEE DETAIL				
8	1	Sandwich Prep Table	Delfield	4448N-8		8		110	1	18"		NEMA 5-15 P															
9	1	Coffee Grinder	Bunn	G3		9		110	1	48"		NEMA 5-15 P															
10	1	Coffee Maker	Bunn	CWTF		26		110 / 208	1	48"		PROVIDE CORD & NEMA 14-50 P & R				3/8"	48"						MACHINE HAS 3/8" MALE FLARE – FILTRATION REQUIRED				
11	1	Tea Brewer	Bunn	TB3Q x (2) TDO-4		15		110	1	48"		NEMA 5-15 P				1/4"	48"						MACHINE HAS 1/4" OD MALE FLARE – FILTRATION REQUIRED				
12	1	Speed Oven	Merychef	Elkon E4		30		208	1	48"		PROVIDE CORD & NEMA 6-50 P & R															
13	1	Lockers	By Ops	By Ops																							
14	1	Time Clock	By Ops	By Ops		5		110	1	48"		COMMUNICATIONS DROP															
15	1	Prep Table w/ Sink	Eagle	T3O96SEM-BS-E23												1/2"	20"	1/2"	20"			1 1/2"					
16	1	Hand Sink	Eagle	HSA-10-FAW												1/2"	20"	1/2"	20"	1 1/2"	18"		12" TALL SPLASH LEFT SIDE REQD – SEE DETAIL				
17	1	Ice Maker / Bin	Hoshizaki	KDM-850-MAH-B-700-SF	Water filter by Plumber	10		208	1	48"		20 AMP BREAKER / CONNECT THROUGH DISCONNECT				1/2" FPT	60"					(2) 1/2" FPT @	5/8" OD PIPE				
18	1	3 Compartment Sink	Eagle	314-16-3-24 / B-O231												1/2"	20"	1/2"	20"	1 1/2"			MANIFOLD WASTE AND ROUTE TO GREASE TRAP				
19	5	Overshelf	Eagle	SW5156O-14/304-VMAR																							
20	1	2 Door Freezer	Delfield	G8SF2P-S		10		110	1	84"		NEMA 5-15 P															
21	1	2 Door Refrigerator	Delfield	G8SR2P-S		6		110	1	84"		NEMA 5-15 P															
22	1	Work Table	Eagle	T3672SEM-BS x CASTERS	SET UNDERSHELF & 12" AFF																						
23	1	Mop Sink	Eagle	F282O												1/2"	30"	1/2"	30"	2"							
24	2	Wire Shelving 2448	Eagle	S5-74-2448-E w/ CASTERS	LOCKING & CASTER POSTS																						
25	1	Wire Shelving 2436	Eagle	S5-74-2436-E w/ CASTERS	LOCKING & CASTER POSTS																						
26	1	Slicer	Hobart	EDGE 13		4		110	1	48"		NEMA 5-15 P															
27	1	Induction Range	Voltrath	695OO2O		15		110	1	48"		NEMA 5-15 P															
28	2	Classic Kettle Warmer	APWyott	WK-1		5		110	1	48"		NEMA 5-15 P															
29	1	Wall Shelf – Solid	Eagle	WCS-36																							

GENERAL NOTES:

- ALL COOKING EQUIPMENT UNDER EXHAUST HOODS MUST BE ON CASTERS WITH FLEXIBLE UTILITY QUICK DISCONNECTS
- ICE MACHINES TO BE HELD OFF WALL 8". PLUMBING CONTRACTOR MUST FURNISH AND INSTALL VACUUM BREAKER IN SUPPLY LINE
- HOT FOOD WELLS AND STEAM TABLES ARE FILLED WITH WATER BY NEARBY COUNTERTOP FAUCETS OR ADJACENT SINK FAUCETS
- DISHWASHERS WHERE APPLICABLE WILL BE DESIGNED AS HIGH TEMPERATURE FINAL RINSE OF 180 DEGREES F AND WASH CYCLE TEMPERATURES OF 140 DEGREES F PROPERLY SIZED BOOSTER HEATERS WILL BE USED TO BOOST 140 DEGREE HOT WATER TO 180 DEGREES FOR FINAL RINSE OF DISHWASHERS.
- ALL REFRIGERATION EQUIPMENT SHALL HAVE THERMOMETERS WHICH ARE EASILY READABLE, IN PROPER WORKING CONDITION AND ACCURATE WITHIN A RANGE OF PLUS OR MINUS TWO DEGREES AND MUST BE NSF CERTIFIED
- COUNTER TOP EQUIPMENT NOT READILY MOVABLE, WEIGHING OVER 80 POUNDS SHALL BE PROVIDED WITH LEGS OR FEET AT LEAST FOUR (4") INCHES HIGH
- ALL CHEMICAL SANITIZER KITS FOR THREE COMPARTMENT SINKS WILL BE FURNISHED BY THE CHEMICAL SUPPLIER.
- ALL CHEMICAL INJECTION SYSTEMS MUST BE INSTALLED DOWNSTREAM FROM A VACUUM BREAKER TO PREVENT POSSIBLE BACK SIPHONAGE OF THE CHEMICALS INTO THE WATER LINE SYSTEM
- ALL CUTTING BOARDS AND WORK SURFACES SHALL BE OF NON-WOOD CONSTRUCTION
- ALL FOOD SERVICE AND RELATED EQUIPMENT SHALL BE INSTALLED IN CONFORMITY WITH THE N.S.F. STANDARDS AND SHALL BE NATIONAL SANITATION FOUNDATION (N.S.F.) APPROVED.
- AN AISLE SPACE OF THIRTY (30") INCHES MINIMUM OR MORE SHALL BE PROVIDED WITHIN ALL WORK AND STORAGE AREAS
- BACKSPASHES OF EQUIPMENT SHALL BE SEALED TO WALLS OR INSTALLED A MINIMUM OF THREE INCHES FROM WALLS
- NO OVERSHELVES TO BE PROVIDED OVER COOKING EQUIPMENT.
- HANDWASHING FACILITIES ARE REQUIRED FOR FOOD PREPARATION, SERVING AND UTENSIL WASHING AREAS AND WILL BE SHOWN ON THE FLOOR PLAN. EACH HANDWASHING FACILITY WILL BE SUPPLIED WITH SOAP DISPENSERS AND PAPER TOWEL DISPENSERS. DISPENSERS PROVIDED BY VENDOR SUPPLYING MATERIALS & INSTALLED BY THIS CONTRACT
- SNEEZE-GUARD PROTECTION WHERE APPLICABLE WILL BE PROVIDED FOR EXPOSED UNWRAPPED FOOD AT SUCH AREAS AS SALAD BARS, BUFFETS AND CAFETERIAS
- G.C. TO PROVIDE BACKING IN WALL FROM 66" TO 78" FOR WALL SHELVES ATTACHMENT
- G.C. TO PROVIDE BACKING IN WALL FROM 24" TO 48" FOR ATTACHMENT OF BACKSPASHES, HANDSINKS AND HANDSINK ACCESSORIES
- SHELVING WILL BE LIMITED TO THAT SHOWN IN THE EQUIPMENT SPECIFICATIONS. IT DOES NOT INCLUDE ANY WOODEN SHELVING. THIS CONTRACT MUST ERECT SHELVING SUCH THAT THE BOTTOM SHELF IS A MINIMUM OF 6" AFF.
- EXPOSED UTILITY SERVICE LINES AND PIPES SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT CLEANING OF THE FLOOR, WALLS, AND CEILINGS.
- INSTALLATION OF EXPOSED HORIZONTAL UTILITY LINES AND PIPES ON THE FLOOR IS PROHIBITED
- UTILITY SERVICE LINES AND PIPES SHALL NOT BE UNNECESSARILY EXPOSED ON WALLS OR CEILINGS IN WALK-IN REFRIGERATION UNITS, FOOD PREPARATION AREAS, EQUIPMENT WASHING AND UTENSIL WASHING AREAS, TOILET ROOMS AND VESTIBULES

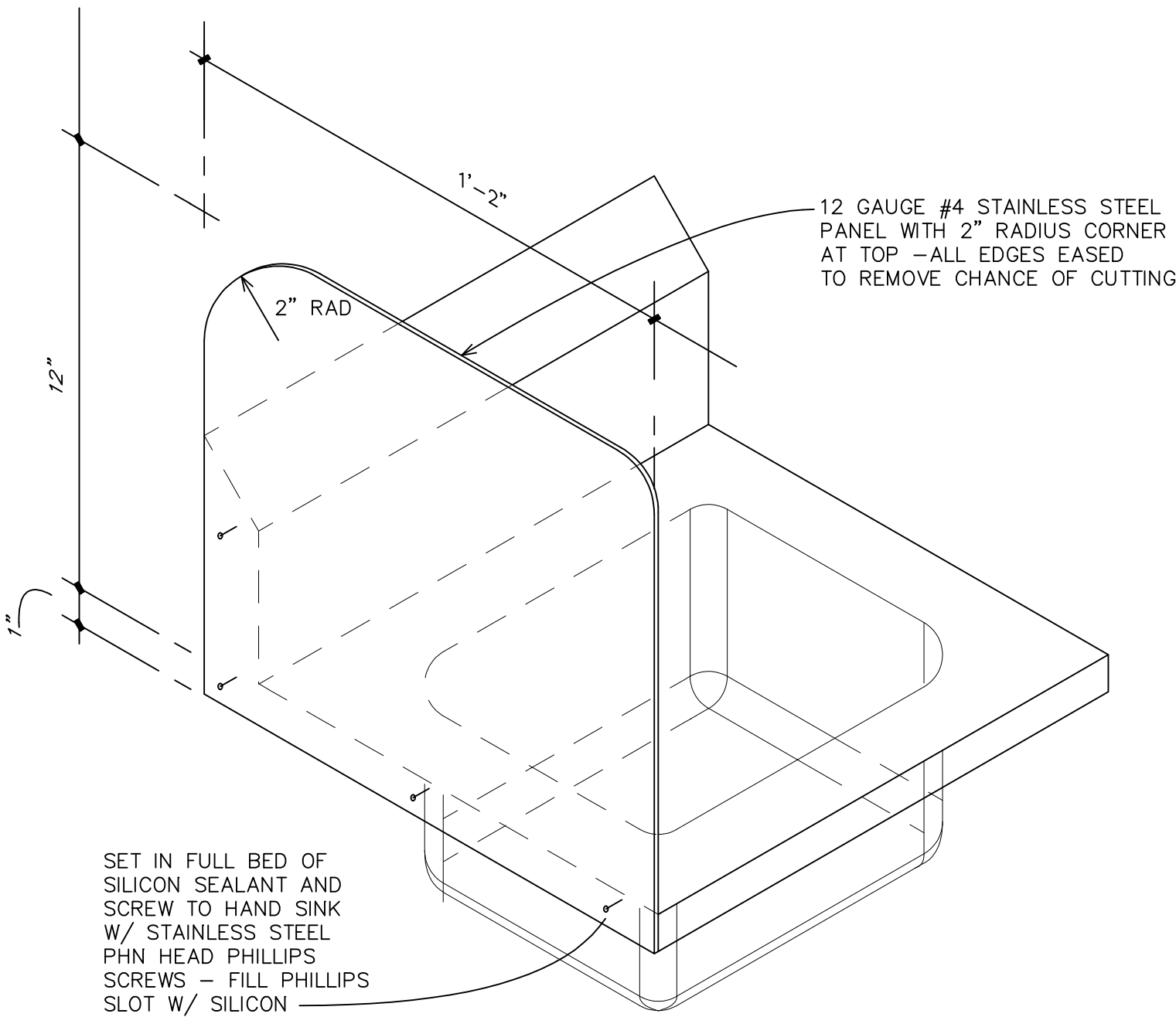
PLUMBING NOTES:

- ALL NOTES THAT ARE APPLICABLE TO THIS PROJECT ARE THE RESPONSIBILITY OF THE PARTICIPATING ENGINEERS AND CONTRACTORS.
- ALL FINAL CONNECTIONS SHOWN ON THIS DRAWING ARE ACTUAL REQUIREMENTS OF THE EQUIPMENT AND ARE SHOWN IN THEIR APPROXIMATE LOCATION
  - PLUMBING VENT SIZES AND LOCATIONS ARE TO BE DETERMINED BY THE PLUMBING ENGINEER
  - FLOOR DRAINS SHOWN ARE FOR EQUIPMENT USE AND GENERAL CLEANING PURPOSES, AND ARE TO BE OF THE TYPE INDICATED IN SYMBOLS UNLESS OTHERWISE REQUIRED BY LOCAL CODES
  - STOP VALVES SHALL BE PROVIDED IN ALL PIPING TO KITCHEN AND OTHER EQUIPMENT OR FIXTURE AHEAD OF OPERATING LEVER HANDLES OR FAUCETS.
  - WHERE INDIRECT WASTE ARE NOTED, THE PLUMBING ENGINEER IS TO INDICATE SUCH FOR NEAREST EXTENSION TO FLOOR SINK INDIRECT WASTE LINES TO BE RUN IN ACCORDANCE WITH ALL LOCAL CODES
  - ALL GAS ROUGH-INS SHOWN ARE EQUIPMENT CONNECTION POINTS ONLY. THE PLUMBING ENGINEER SHALL DETERMINE MAIN GAS LINE DROPS, SIZES AND ROUTING TO CONNECTION POINTS
  - ALL GAS FIRED EQUIPMENT MUST BE EQUIPPED WITH INDIVIDUAL MANUAL SHUT-OFF VALVES BY PLUMBING CONTRACTOR
  - ALL KITCHEN WASTE WATER TO BE SPILLED TO GREASE TRAP GREASE TRAP IS EXISTING TO REMAIN
  - PLUMBING CONTRACTOR TO INTERCONNECT KITCHEN EQUIPMENT WITH WATER FILTERS
  - THE INTENT OF THE SPECIFICATIONS AND DRAWINGS REGARDING MECHANICAL, ELECTRICAL, PLUMBING, AND FACTORY PREWIRING AND PREPIPING IS TO HAVE THE FABRICATOR EXTEND TO AND TERMINATE ALL CONNECTIONS FOR ALL EQUIPMENT IN THE LOCATIONS SHOWN IN THE SCHEDULE OF EQUIPMENT AND FLOOR PLAN
  - ALL WORK IS TO BE COMPLETED IN EVERY RESPECT SO THAT THE ITEMS CONCERNED WILL BE FULLY OPERABLE AS SOON AS THE FINAL CONNECTIONS ARE MADE AT THE JOBSITE BY THE APPROPRIATE CONTRACTOR.
  - FS DENOTES FLOOR SINK 12" x 12" NOMINAL PLAN DIMENSIONS WITH 1/2 GRATE TYPICAL. FLOOR SINKS ARE SPECIFIED BY THE PLUMBING ENGINEER AND PURCHASED AND INSTALLED BY THE PLUMBING CONTRACTOR
  - FD DENOTES FLOOR DRAIN. FLOOR DRAINS ARE SPECIFIED BY THE PLUMBING ENGINEER AND PURCHASED AND INSTALLED BY THE PLUMBING CONTRACTOR
  - ALL PLUMBING MUST BE INSTALLED TO BE IN COMPLIANCE WITH THE INTERNATIONAL PLUMBING CODE – 2012 EDITION
  - BACK-SIPHONAGE PROTECTION SHALL BE SPECIFIED BY PLUMBING ENGINEER AND INSTALLED BY PLUMBING CONTRACTOR AT THE FOLLOWING LOCATIONS:  
EQUIPMENT WITH SUBMERGED WATER INLETS SUCH AS DISPOSALS, WAREWASHERS, SCRAPPING TROUGHS ETC.  
AT ALL HOSE CONNECTIONS  
AT ALL POTENTIAL GROSS CONNECTIONS  
AT ALL CHEMICAL DISPENSING SYSTEMS  
USE EXPOSED IN-LINE CONTINUOUS PRESSURE DOUBLE CHECK BACKFLOW PREVENTERS ON WATER SUPPLY LINES TO HOSE REELS, POWER CLEAN-UP EQUIPMENT AND HOSE CONNECTIONS WHERE HOSE NOZZLES OR OTHER CUT-OFF VALVES ARE LOCATED DOWNSTREAM OF THE DEVICE.
  - MANUAL SANITIZATION OF UTENSILS AND EQUIPMENT WILL USE APPROVED CHEMICALS IN LIEU OF 170 DEGREE HOT WATER
  - HAND SINKS WILL BE PROVIDED WITH LEVER HANDLED MIXING VALVES. THESE ARE NOT SELF-CLOSING, SLOW CLOSING OR METERED DEVICES. HOT WATER AT THESE SINKS MAY BE TEMPERED TO AVOID BURNING BUT MUST BE A MINIMUM OF 110 DEG F
  - SINKS IDENTIFIED AS HAND SINKS MUST HAVE 12" HIGH STAINLESS STEEL GUARDS ATTACHED TO OR ADJACENT TO SINK.

ELECTRICAL NOTES:

- ALL NOTES THAT ARE APPLICABLE TO THIS PROJECT ARE THE RESPONSIBILITY OF THE ENGINEERS AND CONTRACTORS
- ALL FINAL CONNECTIONS SHOWN ON THIS DRAWING ARE THE ACTUAL REQUIREMENTS OF THE EQUIPMENT AND ARE SHOWN IN THEIR APPROXIMATE LOCATION
  - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL SWITCHES, STARTERS, DISCONNECTS, ETC FOR ALL EQUIPMENT UNLESS NOTED OTHERWISE, ALL DISCONNECTS OR LOCK-OUT DEVICES STARTERS, ETC TO MEET NEC AND OSHA STANDARDS
  - ALL RECEPTACLES SHALL BE GROUNDED PER NEC AND OSHA AND TO HAVE GROUND FAULT CIRCUIT INTERRUPTOR.
  - ELECTRICAL REQUIREMENTS FOR FIRE PROTECTION: GAS SOLENOID AND/OR SHUNT TRIP BREAKERS AND/OR FLOW CONTROL ALARM SWITCHES (FOR WET WATER SYSTEMS) TO BE WIRED THRU LIFE SAFETY SYSTEM BY ELECTRICAL CONTRACTOR
  - WHERE CONNECTION IS SHOWN AS DC (DIRECT CONNECTION) ELECTRICAL CONTRACTOR SHALL CONNECT TO JUNCTION BOX FURNISHED WITH EQUIPMENT
  - EC TO PROVIDE WIRING FROM FAN TO REMOTE SWITCH AND/OR SWITCH ON EXHAUST HOOD
  - ALL CONDUIT FOR REGISTER SYSTEM, BEVERAGE SYSTEMS AND HOOD PULL STATIONS TO BE SPECIFIED BY THE ELECTRICAL ENGINEER AND PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR
  - THE INTENT OF THE SPECIFICATIONS AND DRAWINGS REGARDING MECHANICAL, ELECTRICAL, PLUMBING AND FACTORY PREWIRING AND PREPIPING IS TO HAVE THE FABRICATOR EXTEND TO AND TERMINATE ALL CONNECTIONS FOR ALL EQUIPMENT IN THE LOCATIONS SHOWN IN THE ROUGH-IN PLANS
  - ALL WORK IS TO BE COMPLETED IN EVERY RESPECT SO THAT THE ITEMS CONCERNED WILL BE FULLY OPERABLE AS SOON AS THE FINAL CONNECTIONS ARE MADE AT THE JOBSITE BY THE APPROPRIATE CONTRACTOR.
  - LIGHTING LEVELS MUST ACHIEVE THE FOLLOWING MINIMUM LEVELS:  

WALK-IN COOLER / FREEZER	10 fc @ 30" AFF
DRY STORAGE	10 fc @ 30" AFF
AT SURFACES WHERE FOOD IS PROVIDED FOR SELF SERVICE	20 fc
INSIDE EQUIPMENT	20 fc
HANDWASHING / WAREWASHING	20 fc @ 30" AFF
EQUIPMENT AND UTENSIL STORAGE	20 fc @ 30" AFF
IN TOILET ROOMS	20 fc @ 30" AFF
AT SURFACES WHERE A FOOD EMPLOYEE IS WORKING WITH:	
FOOD	50 FC
UTENSILS – KNIVES	50 FC
EQUIPMENT – SLICERS / GRINDERS / SAWS	50 FC
WHERE EMPLOYEE SAFETY IS A FACTOR	50 FC
  - LIGHT BULBS IN FOOD PREPARATION AREAS, EQUIPMENT AND UTENSIL WASHING AREAS AND FOOD AND EQUIPMENT STORAGE AREAS (INCLUDING WALK-IN COOLERS / FREEZERS) SHALL BE SHIELDED OR SHATTER RESISTANT
  - ABOVE COUNTER CONVENIENCE OUTLETS NOT SPECIFICALLY ASSOCIATED WITH A PIECE OF KITCHEN EQUIPMENT ARE SHOWN ON ELECTRICAL DRAWINGS FOR INSTALLATION BY ELECTRICAL CONTRACTOR
  - denotes ELECTRICAL DISCONNECTS DESIGNED BY ELECTRICAL ENGINEER AND INSTALLED BY ELECTRICAL CONTRACTOR



SINK MOUNTED SPLASH GUARD

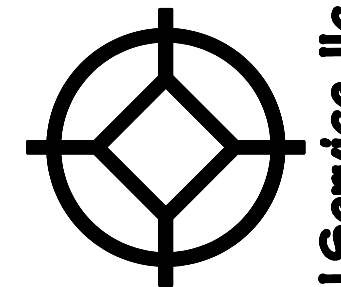
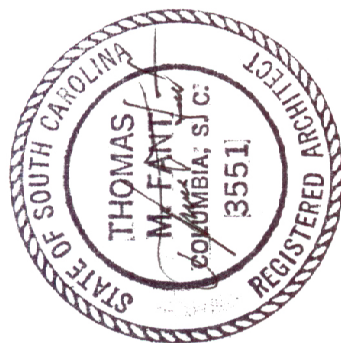
SCALE: 3" = 1'-0"

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GC SHALL PROVIDE ALL LABOR, MATERIALS ETC TO INSTALL FINISHES, UTILITIES, EQUIPMENT ETC TO STRICTLY COMPLY WITH SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL'S PUBLICATION ENTITLED "RETAIL FOOD ESTABLISHMENT'S REGULATION 61-25" DATED JULY 2014. THIS PUBLICATION CAN BE VIEWED AT THE FOLLOWING WEB SITE:  
<http://www.scdhec.gov/FoodSafety/Docs/NewRegulation/Regulation%2061-25.pdf>

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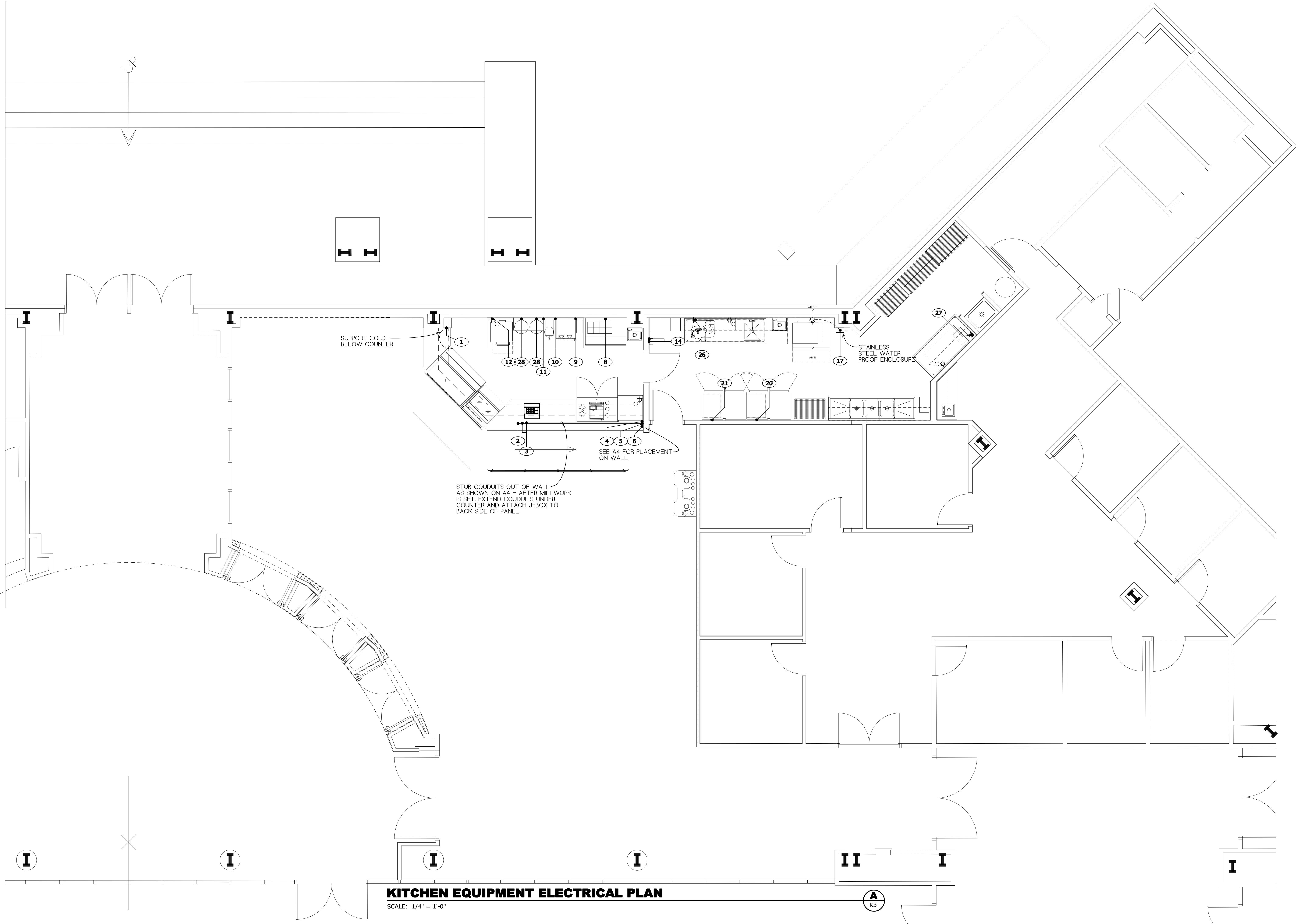
FOODSERVICE RENOVATIONS FOR  
SWARINGEN ENGINEERING CENTER  
UNIVERSITY OF SOUTH CAROLINA  
Columbia, S. C.



FAS  
Fant Architectural Services, LLC  
3610 Landmark Dr., Suite C, Columbia SC, 29204-4038 / 803.233.9889 V / 803.351.7879 M / [Tom@FantArchitecturalService.com](mailto:Tom@FantArchitecturalService.com)

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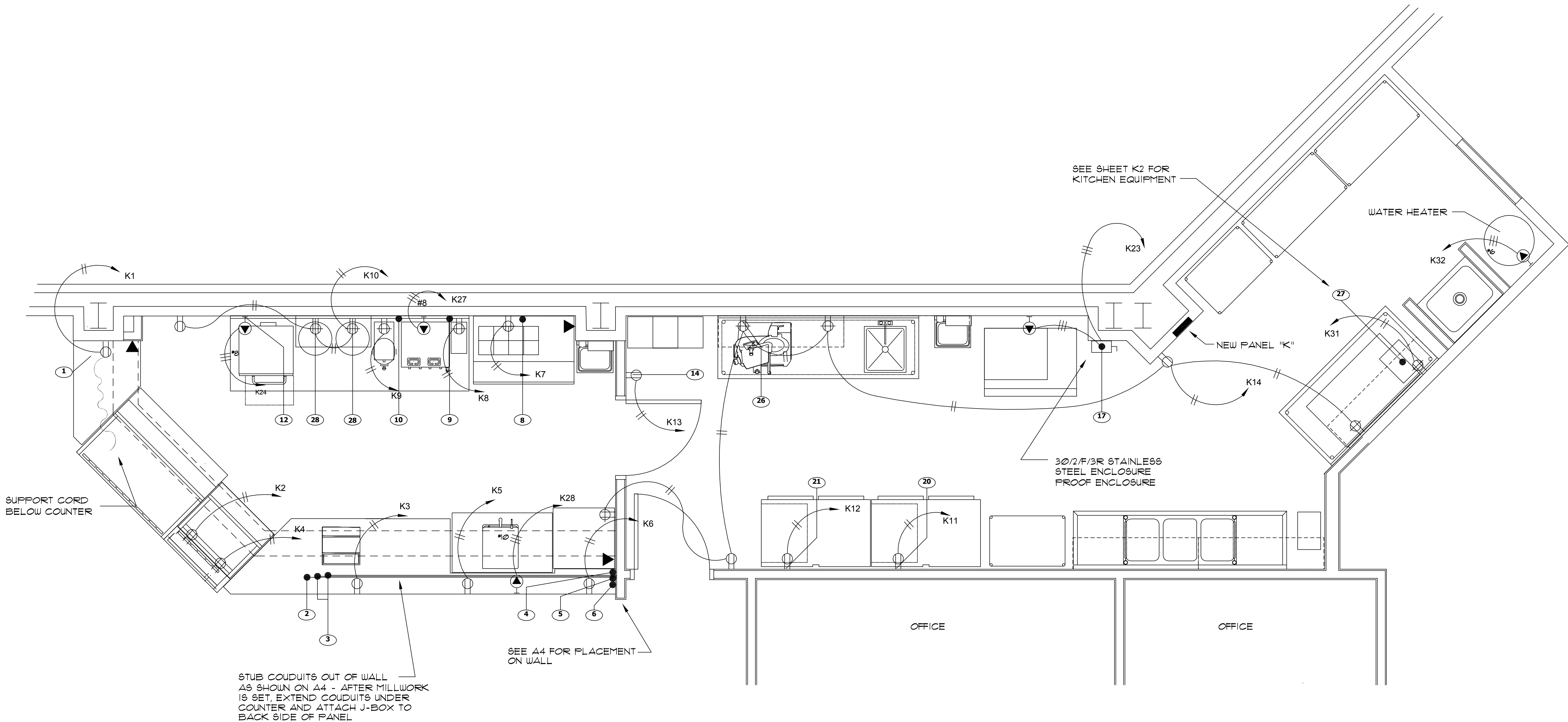
FOODSERVICE RENOVATIONS FOR  
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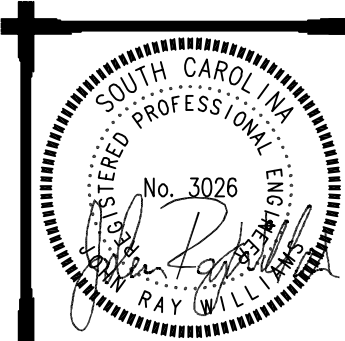
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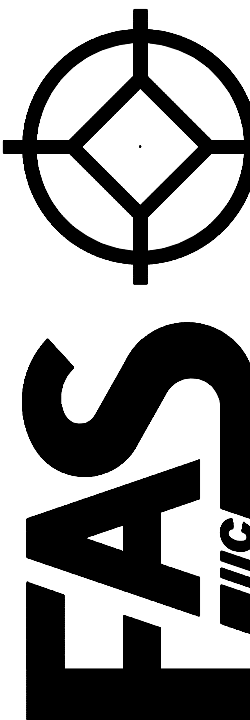
EQUIPMENT POWER PLAN

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



**John Ray Williams PE**  
CONSULTING ELECTRICAL ENGINEER  
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