

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB

PROJECT NAME

8274 BIG BEND BLVD

ADDRESS

NUMBER

WEBSTER UNIVERSITY

OWNER

CANNON DESIGN

ARCHITECT / ENGINEER

DEVIN D GATES

SUBMITTED BY

123553-004 REV 1

CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

123553

SPECIFICATION SECTION / PARAGRAPH

MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

☐

CRITICAL

ITEM BEING SUBMITTED (check only one)

- ☒ Shop Drawings
☐ Samples
☐ (____ copies)
☐ LEED Submittal
☐ Other _____
- ☐ Certification / Qualifications
☐ Record Documents
☐ Product Data
- ☐ Coordination Drawing
☐ Calculations
☐ Schedules
☐ O&M Manuals

ITEM BEING SUBMITTED FOR (check only one)

- ☒ Action
☐ Information Only
☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:

Devin D. Gates

DEVIN D GATES

REVIEWED BY

1/7/16

DATE

To be completed by Reviewer

12 3553-004 REV002

CANNON DESIGN SUBMITTAL NUMBER

1/9/17

RECEIVED DATE

123553-001 PRODUCT DATA SUBMITTAL (required for this submittal review) RECEIVED ON 02/01/17.

- ☐ A. No Exceptions Taken
No further review of submittal is required.
- ☒ B. Make Corrections Noted
Incorporate corrections in work; resubmission is not required.
- ☐ C. Revise and Resubmit
Revise as noted, and resubmit for review.
- ☐ D. Rejected
Submittal is not in compliance with Contract Documents; provide new submittal.
- ☐ E. For Record / Information Only
Submittal was reviewed for Record / Information purposes only.
- ☐ F. Not Required for Review
Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

☐ See attached sheet(s) for additional comments

PROVIDE ONLY NON-APPROVED ITEMS AS SEPARATE SUBMITTAL.

SEE GENERAL COMMENTS ON NEXT PAGE AND MARKUPS ON DRAWINGS.

Kelvin Patel

REVIEWED BY

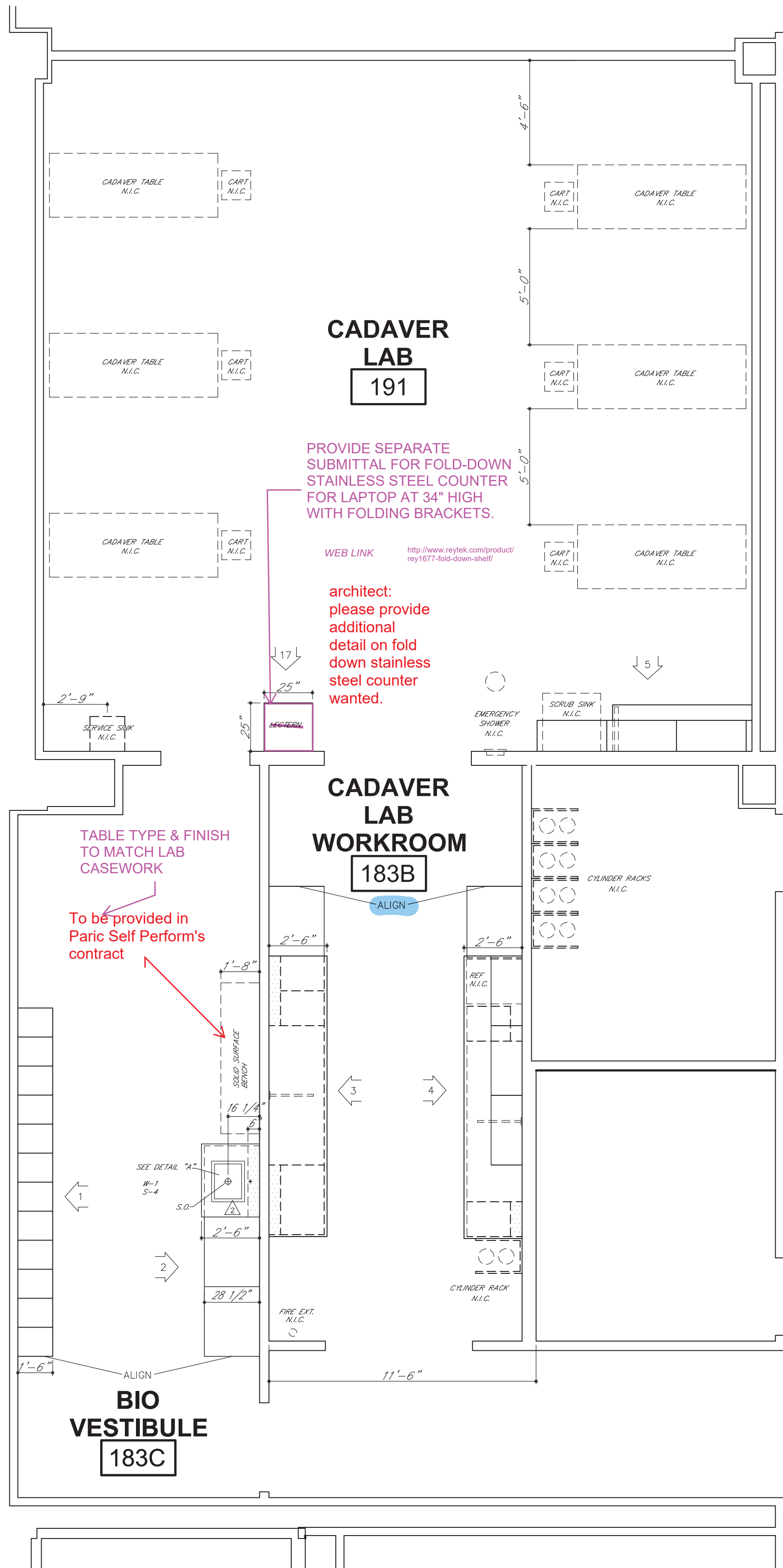
Digitally signed by Kelvin Patel
DN: C=US, E=kpatel@cannondesign.com, O=Cannon Design,
OU=Architect, CN=Kelvin Patel
Date: 2017.02.14 19:43:03-06'00'

02/14/17

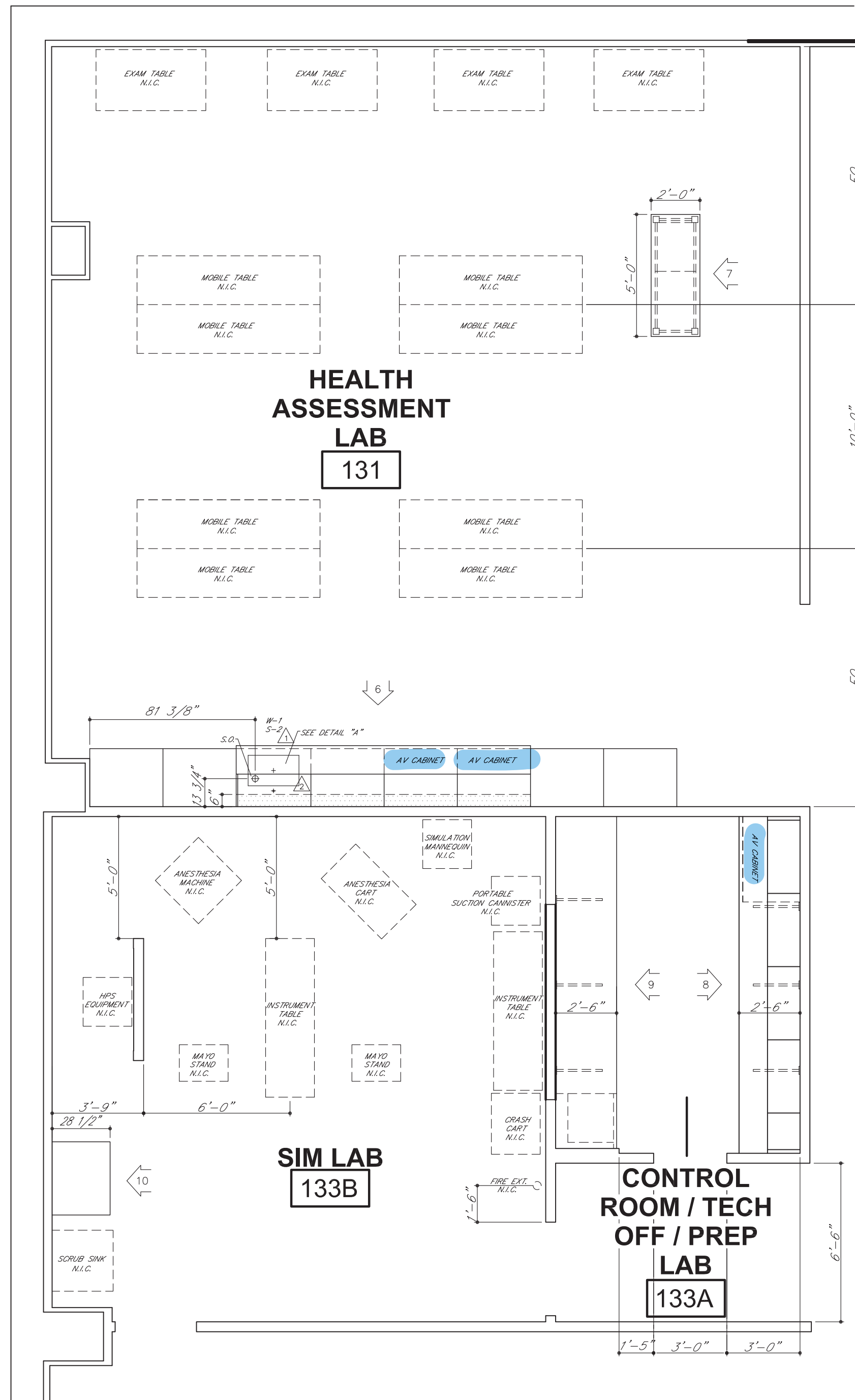
DATE

GENERAL COMMENTS:

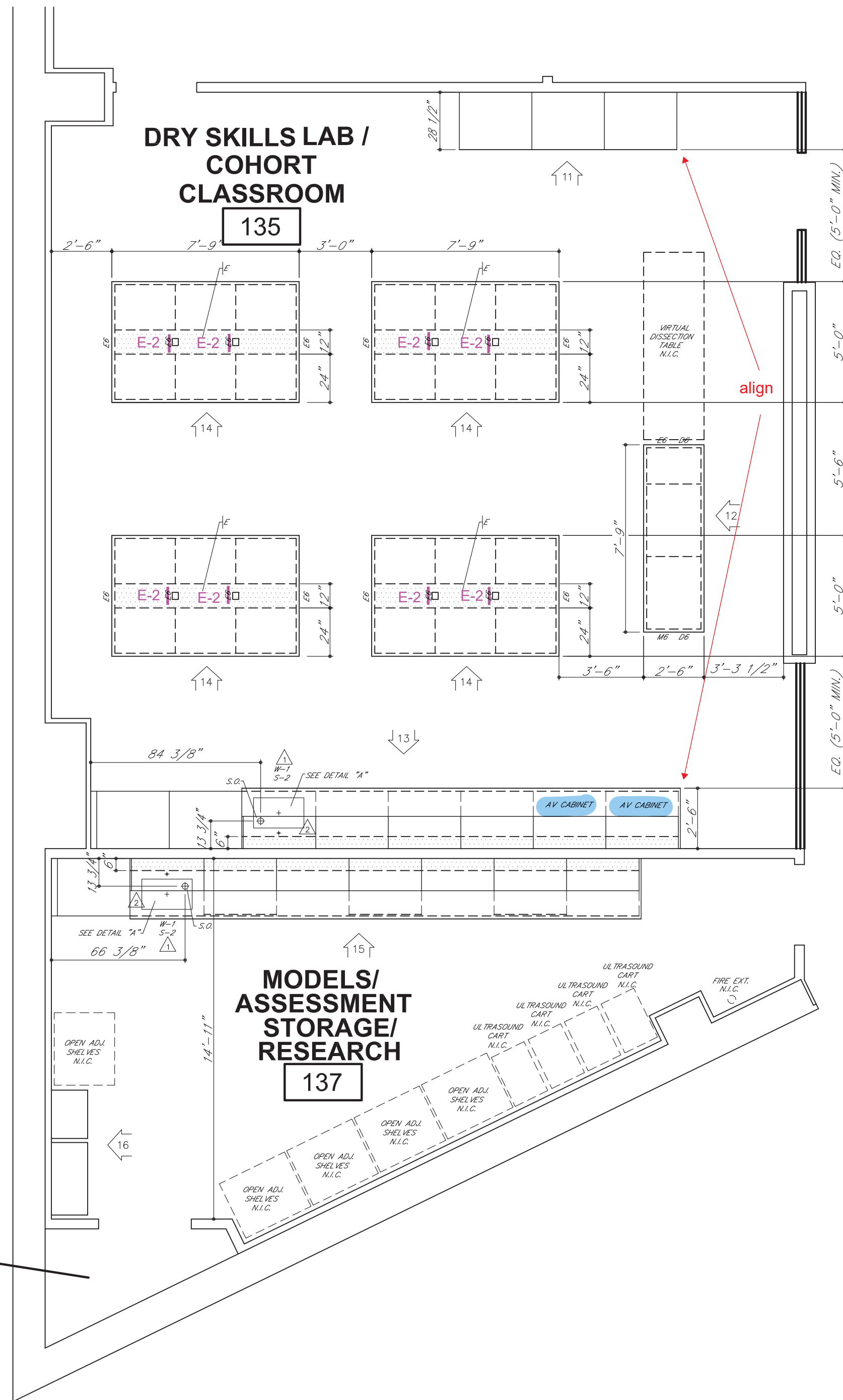
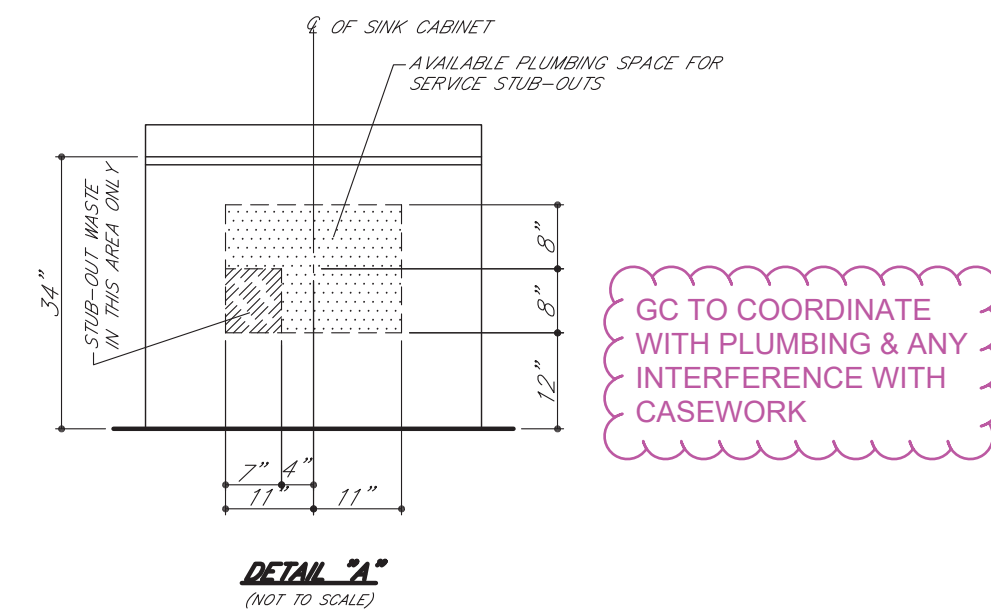
- PROVIDE FULL SIZE SAMPLES/MOCK-UP PER SPECIFICATION SECTION 123553, PARAGRAPH 1.4, F.
- PROVIDE SEISMIC PERFORMANCE INFORMATION PER SPEC. 123553,1.3,C & 123553,1.4, G.
- GC TO COORDINATE UNDER CABINET LIGHTS & TASK LIGHTS. AT MOBILE LAB BENCHES, TASK LIGHTS ARE CONNECTED TO OVERHEAD SERVICE CARRIERS AND NEED TWIST LOCK PLUG. COORDINATE WITH ELECTRICAL DRAWINGS TO IDENTIFY THE ELECTRIC OUTLET TO PLUG THE TASK LIGHTS (WHICH IS ALSO CONTROLLED BY OCCUPANCY SENSOR).
- COORDINATE ELECTRICAL OUTLETS WITH ELECTRICAL DRAWINGS & SPECIFICATIONS.
- THE COUNTER TOP SUPPORTING BRACKETS (HAFELE) MUST MEET THE LOADING PERFORMANCE REQUIREMENTS. SELECT A DEEPER BRACKET IF NEEDED.
- PROVIDE 1-1/2" x 1-1/2" STEEL ANGLE BETWEEN THE BRACKETS TO SUPPORT THE COUNTER TOP PER DETAIL 09/A0912.
- PROVIDE ADA-COMPLIANT HANDLES FOR DI FAUCET, GAS VALVES.
- PROVIDE DETAILED SECTIONS OF CABINETS WITH PROPER DIMENSIONS & ANNOTATIONS- SHOWING BLOCKING, REMOVABLE BACK PANEL CONSTRUCTION, SERVICE CHASE...ETC
- INSTALL SNORKEL PER MANUFACTURER'S RECOMMENDATION. LOCATION PER MARKUPS AND DIMENSIONS ON A02xx DRAWINGS.
- ALL CABINETS (WOOD, METAL, FLAMMABLE, ACID) TO BE FLUSH OVERLAY.
- PAPER TOWEL DISPENSER LOCATIONS AT ALL SINKS NOT REVIEWED DUE TO ABSENCE OF PRODUCT DATA.
- PROVIDE PRODUCT DATA FOR D-5, D-6 & PAPER TOWEL DISPENSER.
- REVISE AV CABINET DETAIL PER MARKUPS & DETAILS IN ASI-035.
- FOR ALL SINKS, LOCATE THE SINK AT A CONSISTENT DIMENSION FROM THE EDGE OF COUNTERTOP. REFER 2/A0911.
- GC TO COORDINATE LOCATION OF ALL CASEWORK ON PLAN PER A02xx DRAWINGS.
- ALL WALL MOUNTED SHELVING IS METAL SHELVING SIMILAR TO MOBILE LAB BENCH'S SHELVING. REFER SPEC 123553, 2.8.
- PROVIDE ADA-COMPLIANT EYEWASH FIXTURE AT SINKS.
- FUME HOODS NOT REVIEWED IN THIS SUBMITTAL. ALL FIXTURES ON FUME HOOD TO BE ADA-COMPLIANT & ADA ACCESSIBLE.
- AT MOBILE LAB BENCHES, PROVIDE INNER SHELVES OR SHELF EXTENDERS AT ALL SHELVES.
- CABINET DOOR THICKNESS PER SPEC 123553, 2.6,F - 12,13,14&15.
- PROVIDE DIVIDERS AT MICROSCOPE CABINETS PER 7/A0913.
- CYLINDER STORAGE RACKS ARE CFCI (CONTRACTOR FURNISHED CONTRACTOR INSTALLED) ITEM.
- GC TO COORDINATE SINK TRAPS WITH PLUMBING DRAWINGS.
- PROVIDE HEAVY DUTY LOCKABLE CASTERS FOR MOBILE CABINETS, LEVELING CASTERS NOT REQUIRED.
- GC TO COORDINATE LENGTH & LOCATION OF ELECTRICAL WHIP AT TABLES TO ENSURE IT IS ADEQUATE FOR PLUGGING INTO FLOOR BOX OUTLETS.
- AT LAB TABLES, THE WIRE WHIP SHALL EXIT TABLE LEG CLOSEST TO FLOOR BOX. TABLES LEGS WITH ELECTRIC WHIP MARKED ON PLANS
- PROVIDE ADA-COMPLIANT LEG STRETCHERS AT ALL WOOD TABLES.



PARTIAL FLOOR PLAN
LEVEL 01 - AREA A - WEST



PARTIAL FLOOR PLAN
LEVEL 01 - AREA B - WEST



	01.04.17 12.22.16	MAH MAH	REVISE/RESUBMIT REVISE/RESUBMIT
SYM	DATE	BY	REVISIONS
GENERAL NOTES FOR TOP LAYOUTS			
1. ALL SINK CUTOUPS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.			
2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.			
3. ALL NUMBERED CURBS TO BE SHIPPED LOOSE.			
4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.			
5. ALL SINK CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.			
6. ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.			
TOP LAYOUT LEGEND			
Y - FINISH SURFACE AND RELIEVE EDGES			
R - RELIEVE CORNERS			
G - 7/8" DRILL FOR GAS COCK			
AD - 1/4" DRILL FOR GAS COCK PANEL MOUNTED			
A - 7/8" DRILL FOR AIR COCK			
AD - 1/4" DRILL FOR AIR COCK PANEL MOUNTED			
V - 7/8" DRILL FOR VACUUM COCK			
V2 - 3/4" DRILL FOR VACUUM COCK PANEL MOUNTED			
1-1/8" DRILL FOR PEDESTAL ELECTRIC			
O - MARK EACH PIECE AS SHOWN			
OW - 3/4" DRILL FOR HOT WATER SIDE			
OW - 3/4" DRILL FOR COLD WATER FAUCET			
OW2 - 7/8" DRILL FOR COLD WATER FAUCET			
HW - 3/4" DRILL FOR HOT WATER FAUCET			
HW2 - 7/8" DRILL FOR HOT WATER FAUCET			
OW - 7/8" DRILL FOR DISTILLED WATER FAUCET			
OW2 - 7/8" DRILL FOR DISTILLED WATER FAUCET			
MX - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET			
MX - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET			
FP - SEE FLUSH PLATE DETAIL			
HW - SEE V.O. DETAIL			
VX - SEE V.O. DETAIL			
S - 2-3/8" x 3-5/8" DRILL FOR SINGLE ELECTRIC			
S2 - 2-3/8" x 3-5/8" DRILL FOR DOUBLE ELECTRIC			
DI - 7/8" DRILL FOR DEIONIZED WATER FIXTURE			
B/U - BUIT JUNG			
T.F.T. - CUT TO FIT AT JOBSITE			
IF VANDAL RESISTANT UNITS SPECIALLY NOTED OTHERWISE.			
GENERAL NOTES FOR ROUGH-IN			
1. SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.			
2. SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVENTS REQUIRED.			
3. ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.			
4. ONLY ITEMS TO BE SUPPLIED BY ICI ARE ROUGHED-IN.			
IF TRAPS ARE TO BE FURNISHED BY ICI			
1. IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF WASTE, STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES TO BE APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL OTHER SERVICES SHOULD STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.			
2. IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK OUTLET. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.			
3. NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.			
IF TRAPS ARE TO BE FURNISHED BY OTHERS			
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ROUGH-IN LEGEND			
W - WASTE	S - VACUUM		
CW - COLD WATER	SW - STEAM		
HW - HOT WATER	ET - 115 V.A.C. ELECTRIC		
DW - DISTILLED WATER	ET - 220 V.A.C. ELECTRIC		
DI - DEIONIZED WATER	S.O. - (S) SINK OUTLET		
Q - GAS	P.C. - PIPES CHASE		
A - AIR			
ELEVATION LEGEND			
A.S. - ADJUSTABLE SHELF	F.S. - MASTERKEYED LOCK		
LTH - 3 FT. LATCHING HANDLE	F.S. - FIXED SHELF		
R/C/P - REAR CLOSURE PANEL	R/C/P - REAR CLOSURE PANEL		
P.S. - REVOLVING METAL SHELF	F/C/P - FRONT CLOSURE PANEL		
P.S. - PULL OUT SHELF	F - FILLER		
ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUBCONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.			



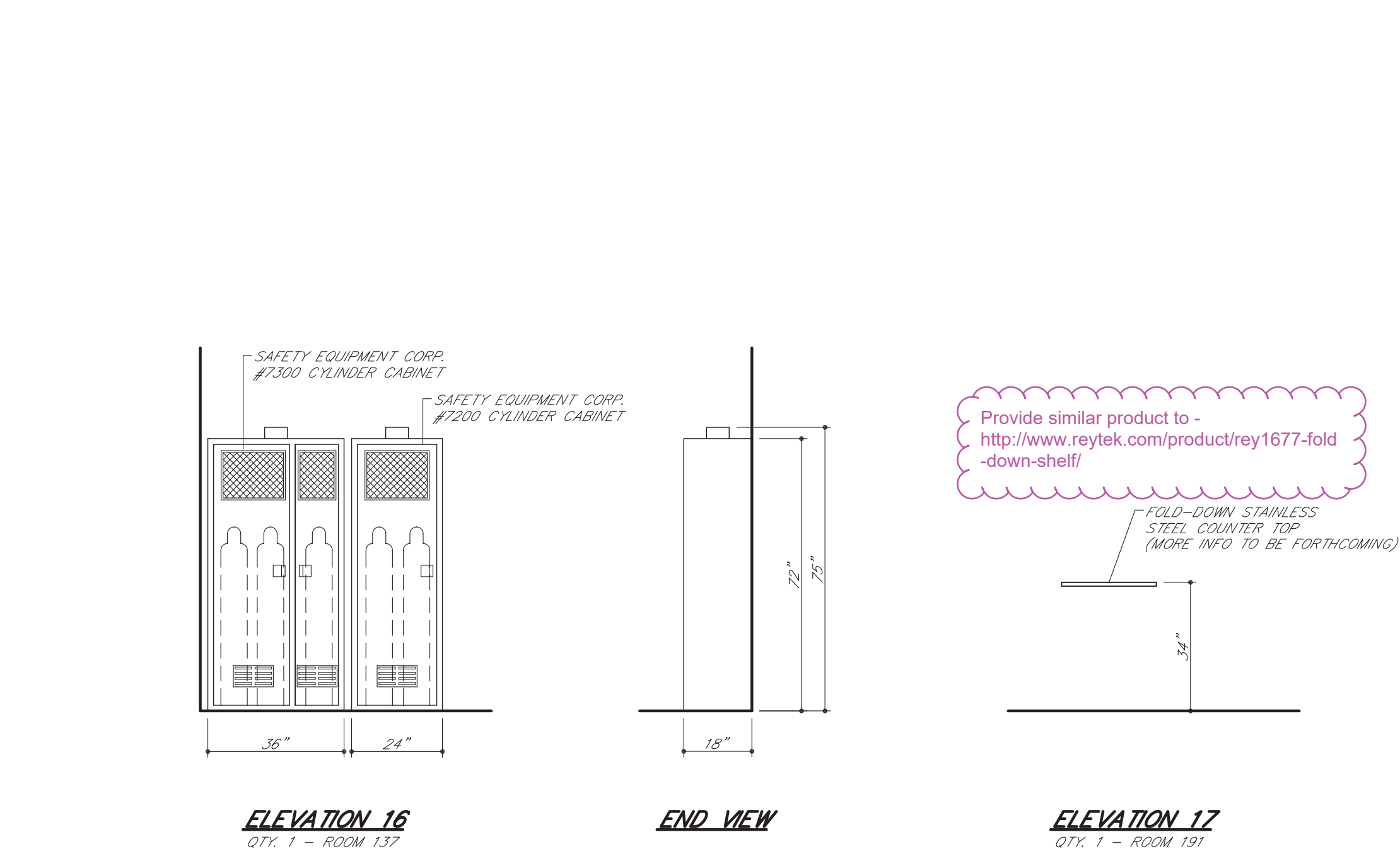
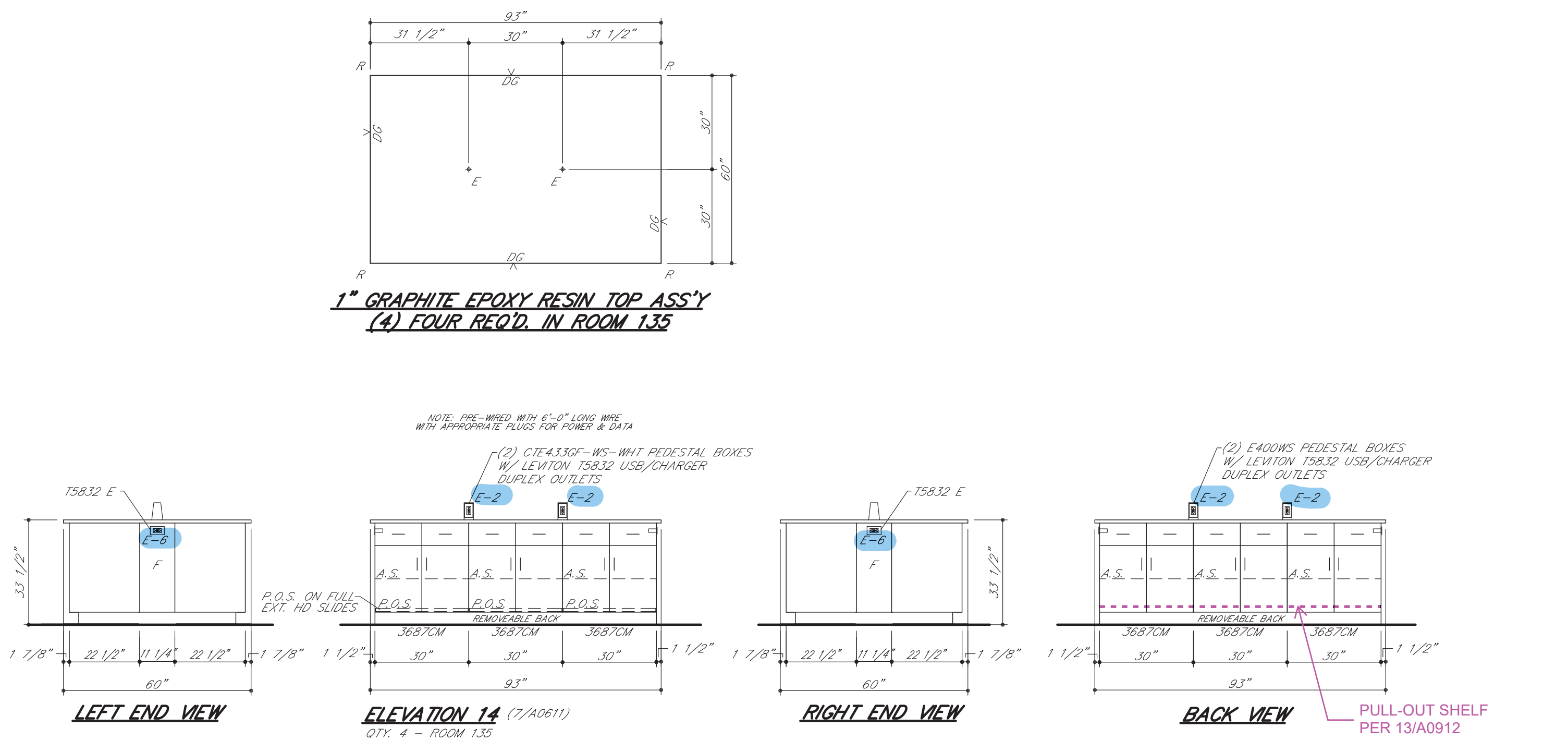
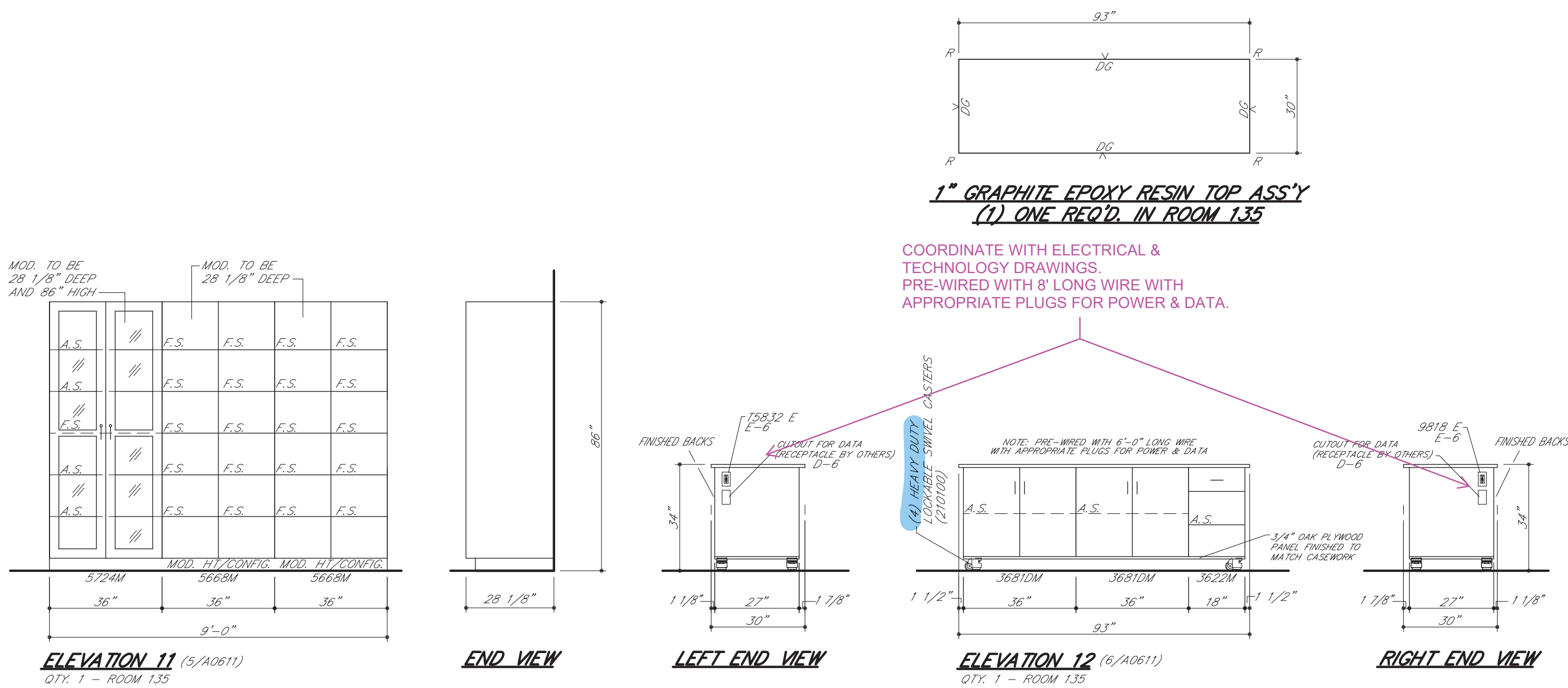
INSTITUTIONAL CASEWORK INC.
1865 North Market Street
Paris, TN 38242
(731) 642-4251

SCIENCE EQUIPMENT ROUGH-IN
WEBSTER UNIVERSITY
WEBSTER GROVES, MO

DIST. CARROLL SEATING	JOB NO. 04437A
DRN. BY C. MARTIN	CKD. BY
DATE 09/26/16	DWG. NO. 04437A01
SCALE 1/4" = 1'-0"	SHEET 1 OF 3

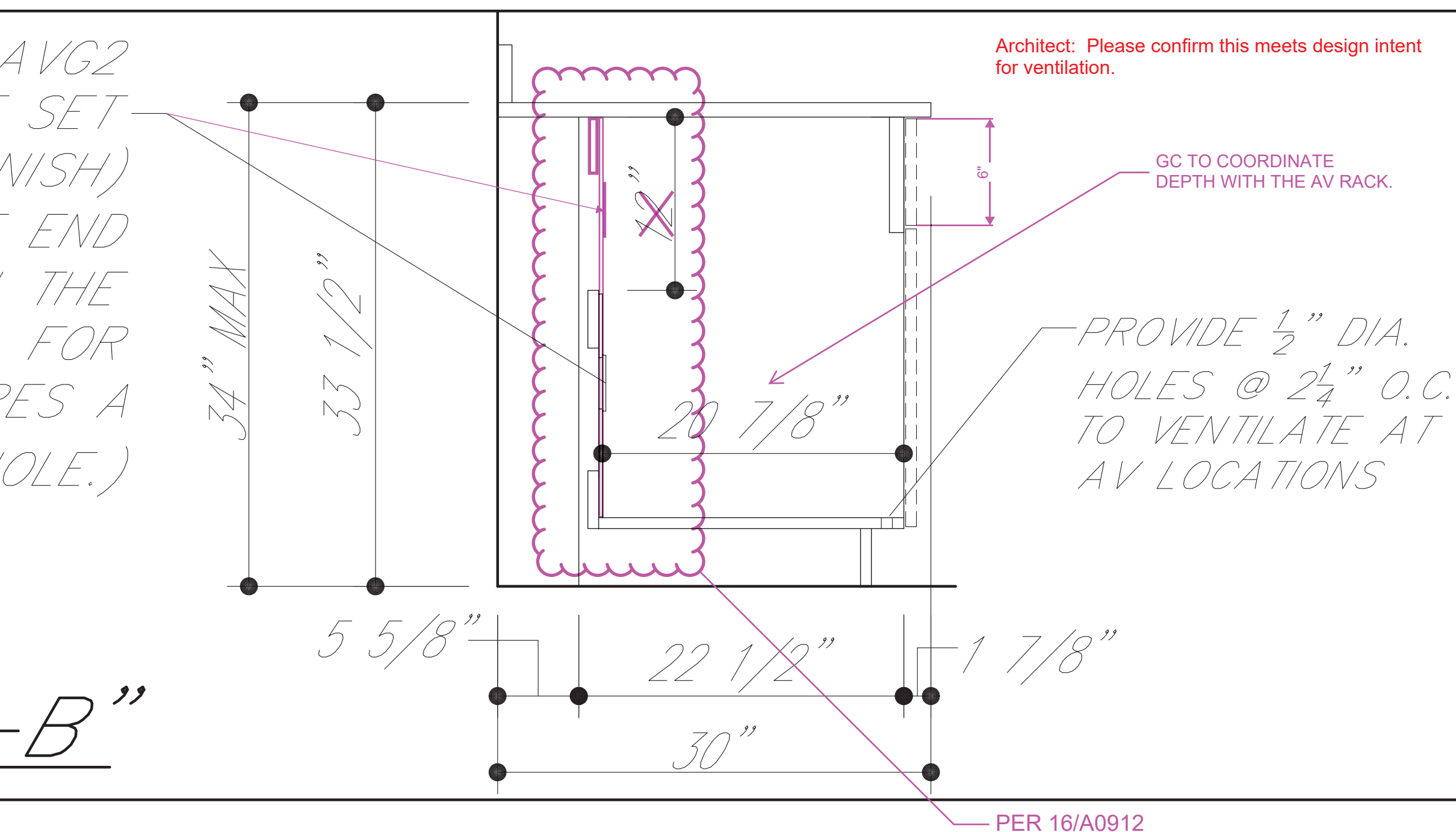
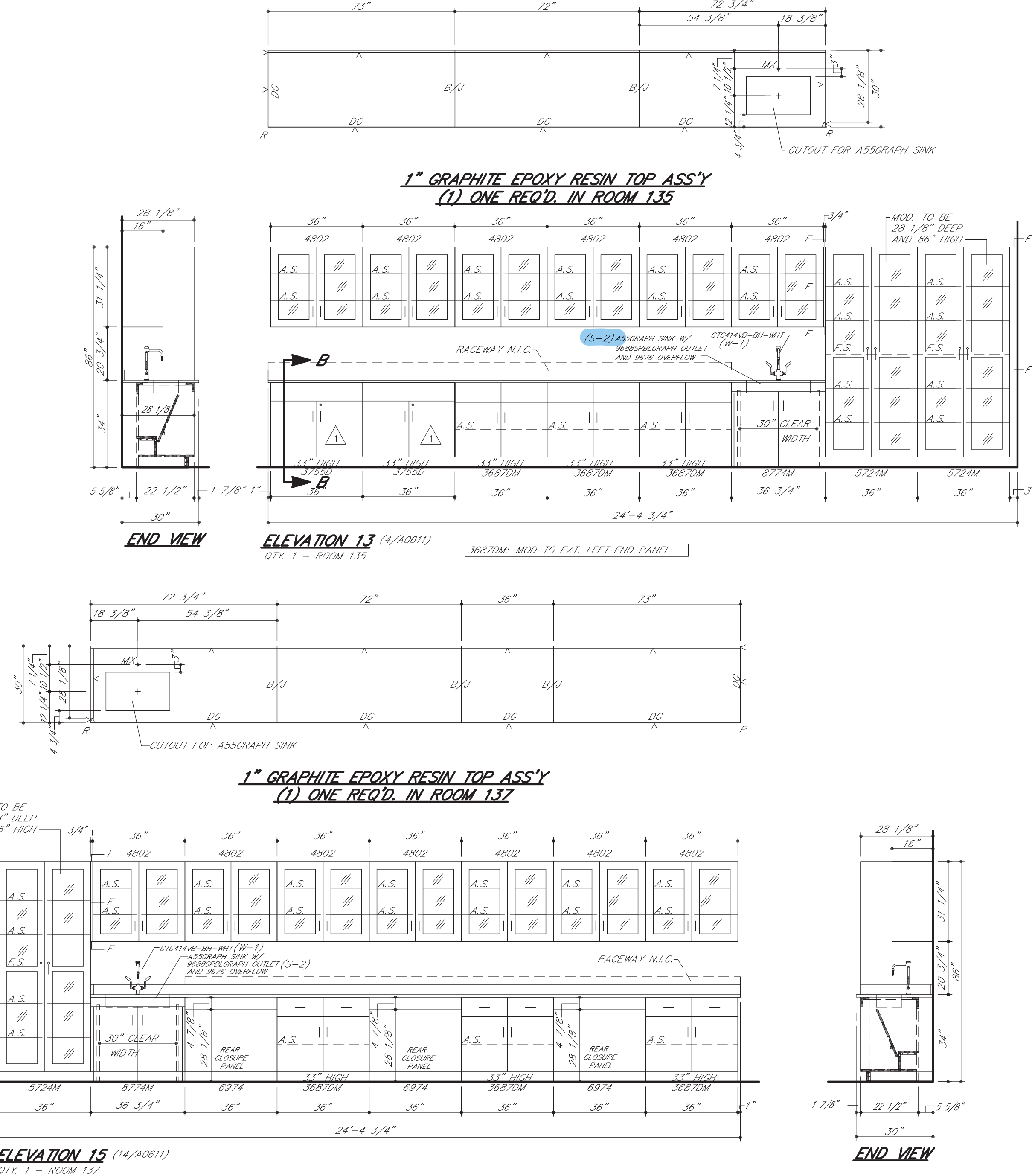


The mark of responsible forestry



PROVIDE MCKEY ZGAVG2
AIR VENT GROMMET SET
(WARM GRAY FINISH)
(2) EACH IN THE END
CLOSURE PANEL & IN THE
BACK PANEL FOR
VENTILATION. (REQUIRES A
3 7/8" DIA HOLE.)

SECTION "B-B"



SYM	DATE	BY	REVISIONS
Δ	01.04.17	MAH	REVISE/RESUBMIT
Δ	12.22.16	MAH	REVISE/RESUBMIT

- GENERAL NOTES FOR TOP LAYOUTS
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A - AIR	F.C. - FILLER

ELEVATION LEGEND	
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LTH - 3 PT. LATCHING HANDLE	F.S. - FIXED SHELF
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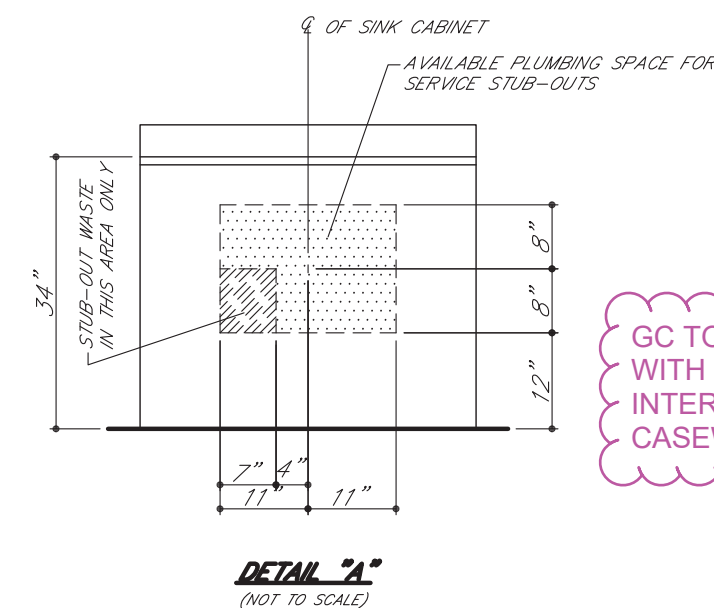
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EQUIP. ELEVATIONS & TOP L.O.
WEBSTER UNIVERSITY
WEBSTER GROVES, MO

DIST. CARROLL SEATING	JOB NO. 04437A
DRN. BY G. MARTIN	CKD. BY
DATE 09/26/16	DWG. NO. 04437AE2
SCALE 3/8" = 1'-0"	SHEET 3 OF 3

GC TO COORDINATE
WITH PLUMBING & ANY
INTERFERENCE WITH
CASEWORK



SYM	DATE	BY	REVISIONS
	01.04.17	MAH	REVISE/RESUBMIT
	12.22.16	MAH	REVISE/RESUBMIT

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ELEVATION LEGEND

A.S. - ADJUSTABLE SHELF	M - MASTERKEYED LOCK
LTH - 3 FT. LATCHING HANDLE	F.S. - FIXED SHELF
LWH - 3 FT. LOCKING HANDLE	R/C/P - REAR CLOSURE PANEL
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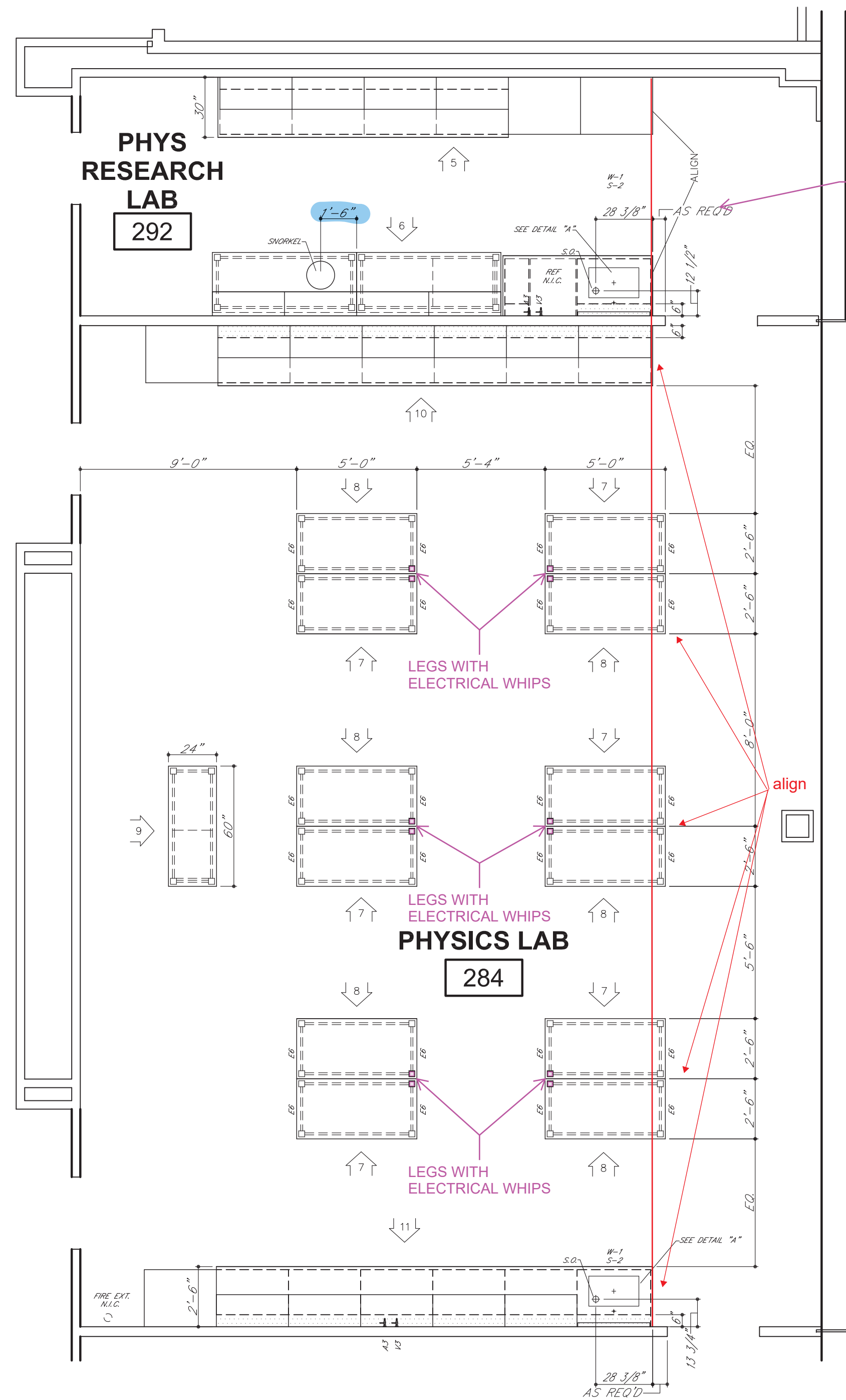
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Paris, TN 38242
(731) 642-4251

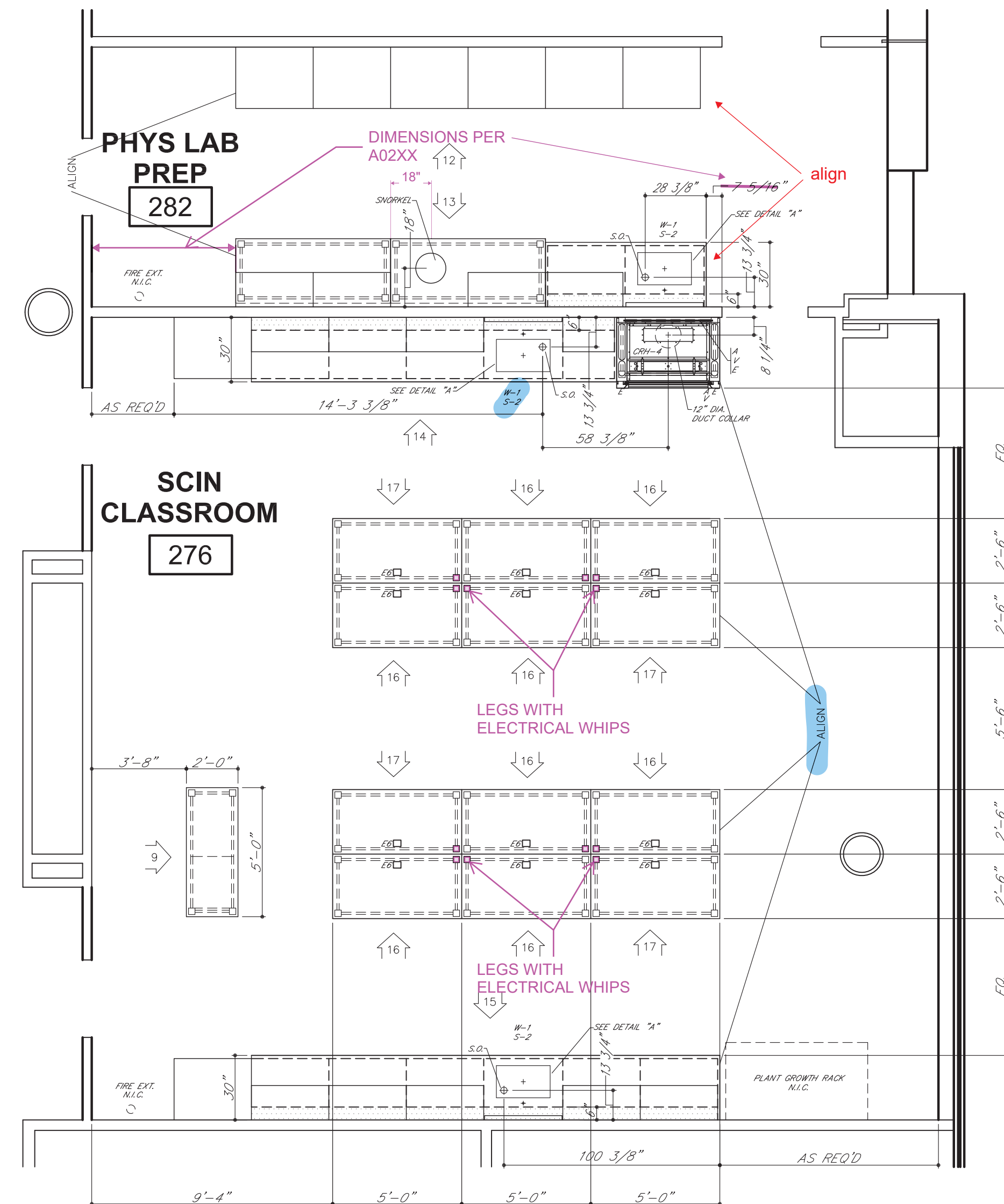
SCIENCE EQUIPMENT ROUGH-IN
WEBSTER UNIVERSITY
WEBSTER GROVES, MO

DIST. CARROLL SEATING	JOB NO. 044.576
DRN. BY C. MARTIN	CKD. BY
DATE 09/26/16	DWG. NO. 044.576R1
SCALE 1/4" = 1'-0"	SHEET 1 OF 6



AS CLOSE TO
DOOR FRAME
AS POSSIBLE

align

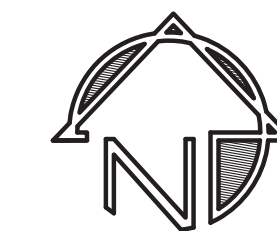


PHYS LAB
PREP
282

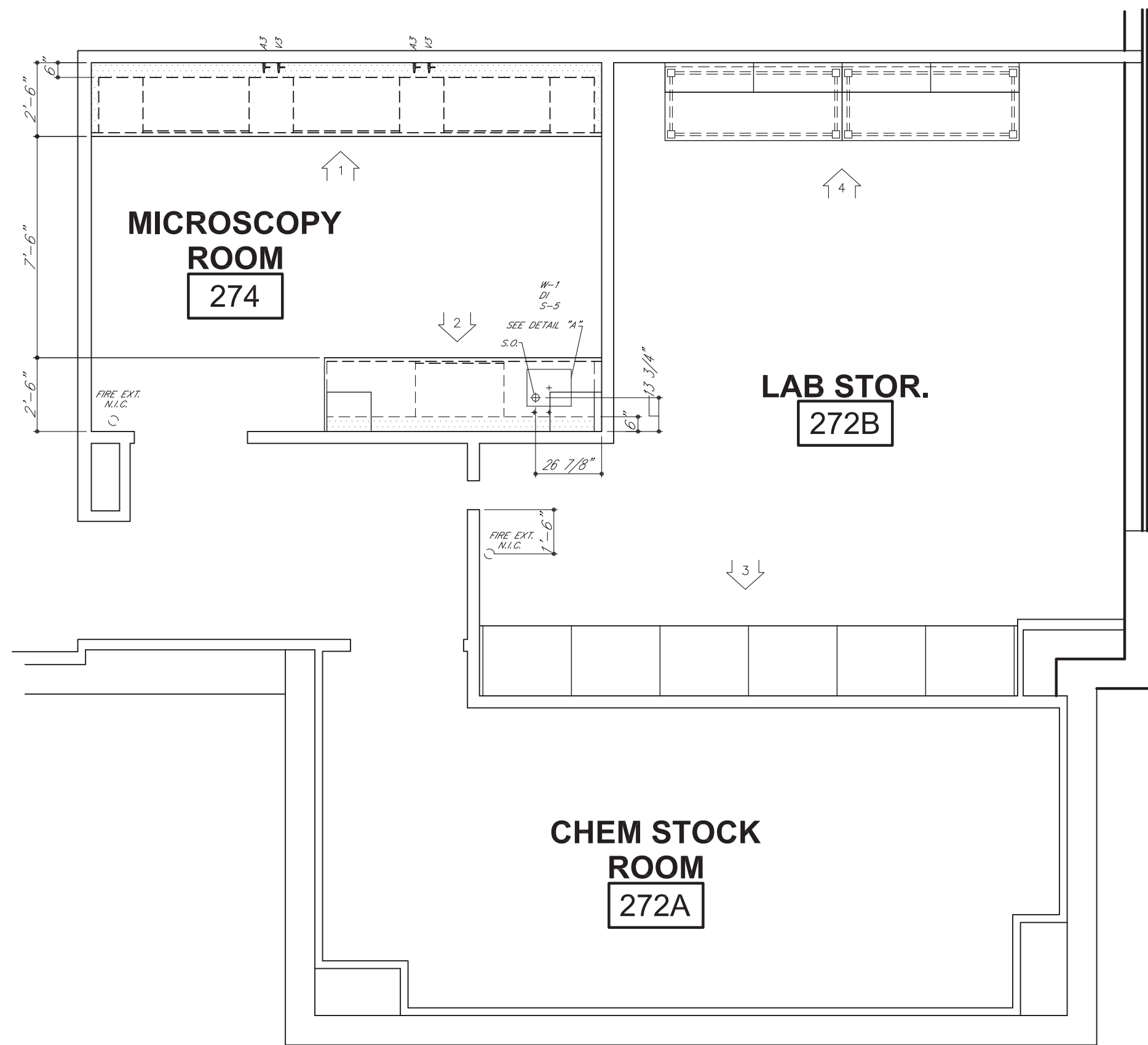
SCIN
CLASSROOM
276

LEGS WITH
ELECTRICAL WHIPS

LEGS WITH
ELECTRICAL WHIPS



PARTIAL FLOOR PLAN
LEVEL 02 - AREA A - EAST
NORTH END



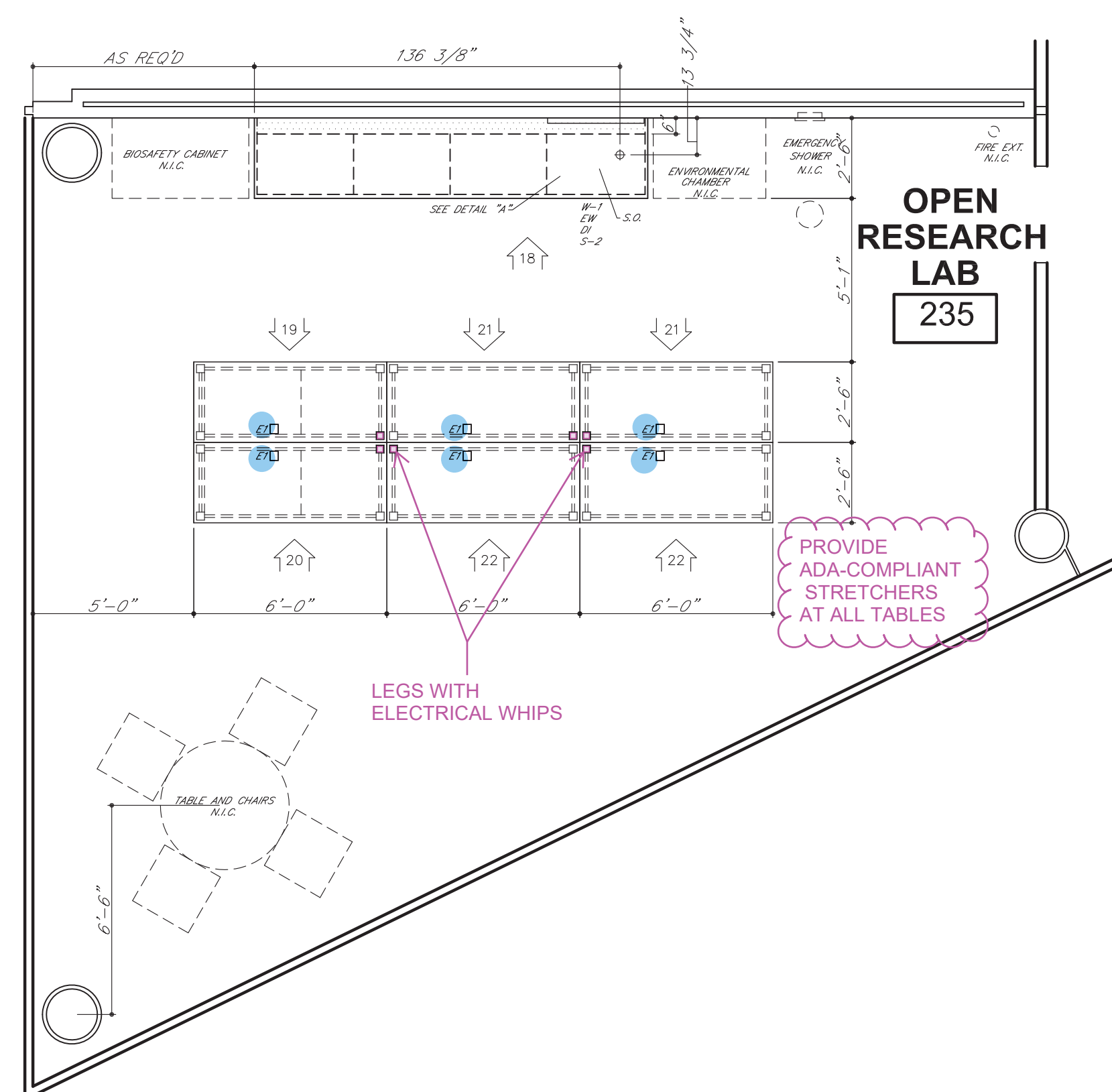
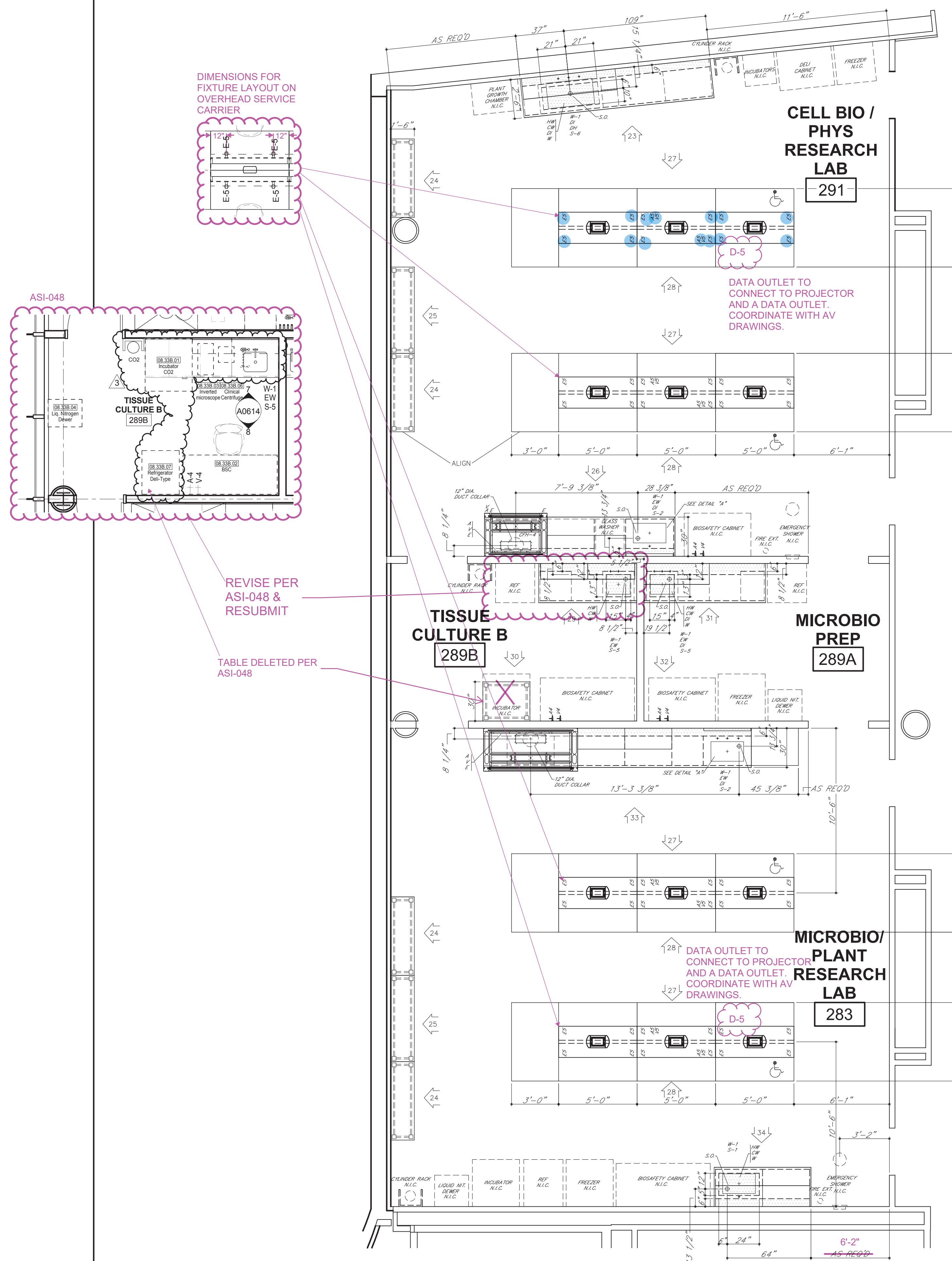
MICROSCOPY
ROOM
274

LAB STOR.
272B

CHEM STOCK
ROOM
272A

PARTIAL FLOOR PLAN
LEVEL 02 - AREA A - EAST
SOUTH END





PARTIAL FLOOR PLAN
LEVEL 02 - AREA B - WEST



PARTIAL FLOOR PLAN
LEVEL 02 - AREA A - WEST



Δ	01.04.17	MAH	REVISE/RESUBMIT
Δ	12.22.16	MAH	REVISE/RESUBMIT

SYM	DATE	BY	REVISIONS
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GENERAL NOTES FOR TOP LAYOUTS

- ALL SINK CUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.
- ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
- ALL NUMBERED CURBS TO BE FINISHED UNDER SINKS.
- ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
- ALL CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
- ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.

FOR	LEGEND
F	FINISH SURFACE AND RELIEVE EDGES
R	RELIEVE CORNERS
G-1	1/8" DRILL FOR GAS COOK
G-2	3/4" DRILL FOR GAS COOK PANEL MOUNTED
A	7/8" DRILL FOR AIR COOK
A-1	1/8" DRILL FOR AIR COOK PANEL MOUNTED
V	7/8" DRILL FOR VACUUM COOK
A-2	3/4" DRILL FOR AIR COOK PANEL MOUNTED
E	1-1/8" DRILL FOR PEDESTAL ELECTRIC
O	MARK EACH PIECE AS SHOWN
OW	2" DRIP ORBIT ON BOTTOM SIDE
CW	3/4" DRILL FOR COLD WATER FAUCET
HW	3/4" DRILL FOR HOT WATER FAUCET
HW-2	7/8" DRILL FOR HOT WATER FAUCET
CX	7/8" DRILL FOR COLD WATER FAUCET
CX	7/8" DRILL FOR HOT WATER FAUCET
MX	1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET
RS	1-1/8" DRILL FOR ROSE SOCKET
FP	USE FLUSH PLATE DETAIL
HX	SEE DETAIL
VX	SEE VAC DETAIL
SE	SEE 3" X 5-5/8" CUTOUT FOR SINGLE ELECTRIC
DE	SEE 3-5/8" X 4-5/8" CUTOUT FOR DOUBLE ELECTRIC
DZ	7/8" DRILL FOR DEIONIZED WATER FITTURE
B/A	BUTT JOINT
C.T.F.	CUT TO FIT AT JOBSITE

IF WANDAL RESISTANT FINISHES/FAUCETS ARE PROVIDED, REFERENCE DETAILS.

GENERAL NOTES FOR ROUGH-IN

- SHAVED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.
- SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY NOTES OR REVISIONS REQUIRED.
- ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.
- ONLY ITEMS TO BE SUPPLIED BY Campbell/Red are ROUGHED-IN.

IF TRAPS ARE TO BE FURNISHED BY Campbell/Red

- IF SERVICES SUB-UP THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET, MINIMUM AND MAXIMUM HEIGHT HEIGHT FROM FINISHED FLOOR TO BE AS NOTED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES TO BE APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL OTHER SERVICES MUST SUB-UP TO APPROXIMATELY 1" ABOVE FINISHED FLOOR.
- IF SERVICES SUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK OUTLET, ALL OTHER SERVICES SHOULD SUB-UP APPROXIMATELY 5" ABOVE FINISHED FLOOR. ALL SERVICES TO BE 4" ABOVE FINISHED FLOOR. ALL SERVICES MUST SUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
- NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS. IF SHOP DRAWING IS NOT LISTED, USE "P" SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED MUST BE ASSUMED CORRECT UNLESS NOTED OTHERWISE.

IF TRAPS ARE TO BE FURNISHED BY OTHERS

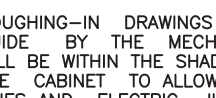
- IF SERVICES SUB-UP THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES SHOULD SUB-UP THROUGH WALL TO BE AS NOTED AT EACH UNIT. ALL SERVICES MUST SUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
- IF SERVICES SUB-UP THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES SHOULD SUB-UP THROUGH FLOOR TO BE AS NOTED AT EACH UNIT. ALL SERVICES MUST SUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
- DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET, INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR TAILPIPE. REFER TO SHOP DRAWING ELEVATIONS OR SHOP DRAWING INSTRUCTIONS TO VERIFY WITH ANY CABLE.

ROUGH-IN LEGEND			
W	WASTE	V	VACUUM
OW	COLD WATER	S	STEAM
HW	HOT WATER	E	120 VAC. ELECTRIC
DW	DISTILLED WATER	ET	220 VAC. ELECTRIC
DZ	DEIONIZED WATER	O	1" SINK OUTLET
G	GAS	P.C.	PIPE CHASE
A	AIR		

ELEVATION LEGEND

L/S	ADJUSTIBLE SHELF	F.S.	MASTERKEY LOCK
ATH	3" P.T. LATCHING HANDLE	F.S.	FIXED SHELF
L	3" P.T. LOCKING HANDLE	R/C	ROUGHENED CLOSURE PANEL
RMS	REVOLVING METAL SHELF	F/C/P	FRONT CLOSURE PANEL
P.S.	PULL OUT SHELF	F	FILLER

ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE, TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN. THAT WILL BE WITHIN THE SHAVED AREA (REFERRED TO AS PLUMBING SPACE) OF EACH UNIT TO ALLOW FOR THE LOCATION OF ALL SERVICES, INCLUDING GAS LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS. CONTRACTORS ARE HELD RESPONSIBLE BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN DRAWING SHOW MAY BE NECESSARY BY SEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.



INSTITUTIONAL CASEWORK INC.
1865 North Market Street
Burlington, TN 37620
(731) 642-4251

INSTITUTIONAL CASEWORK INC.

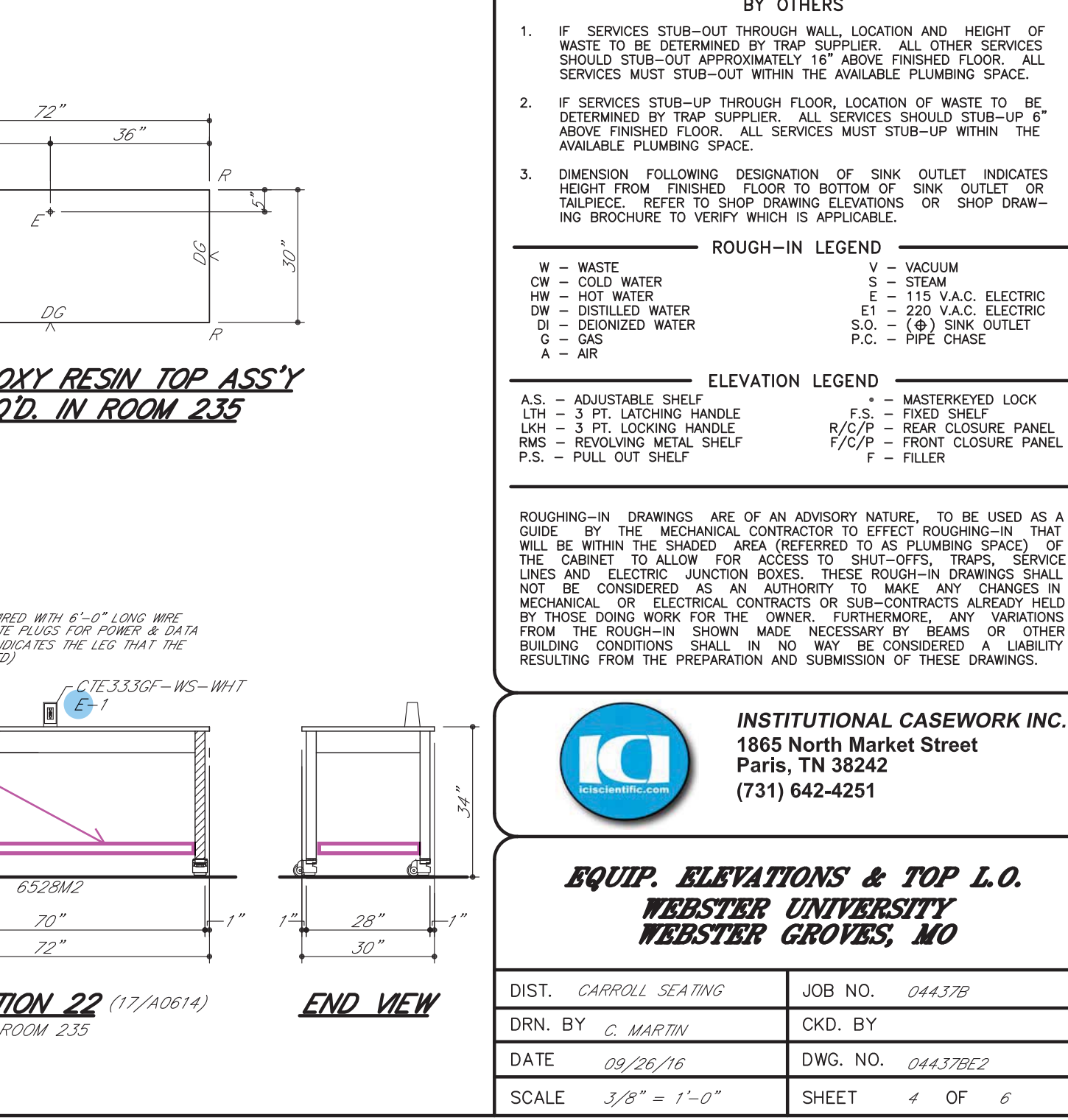
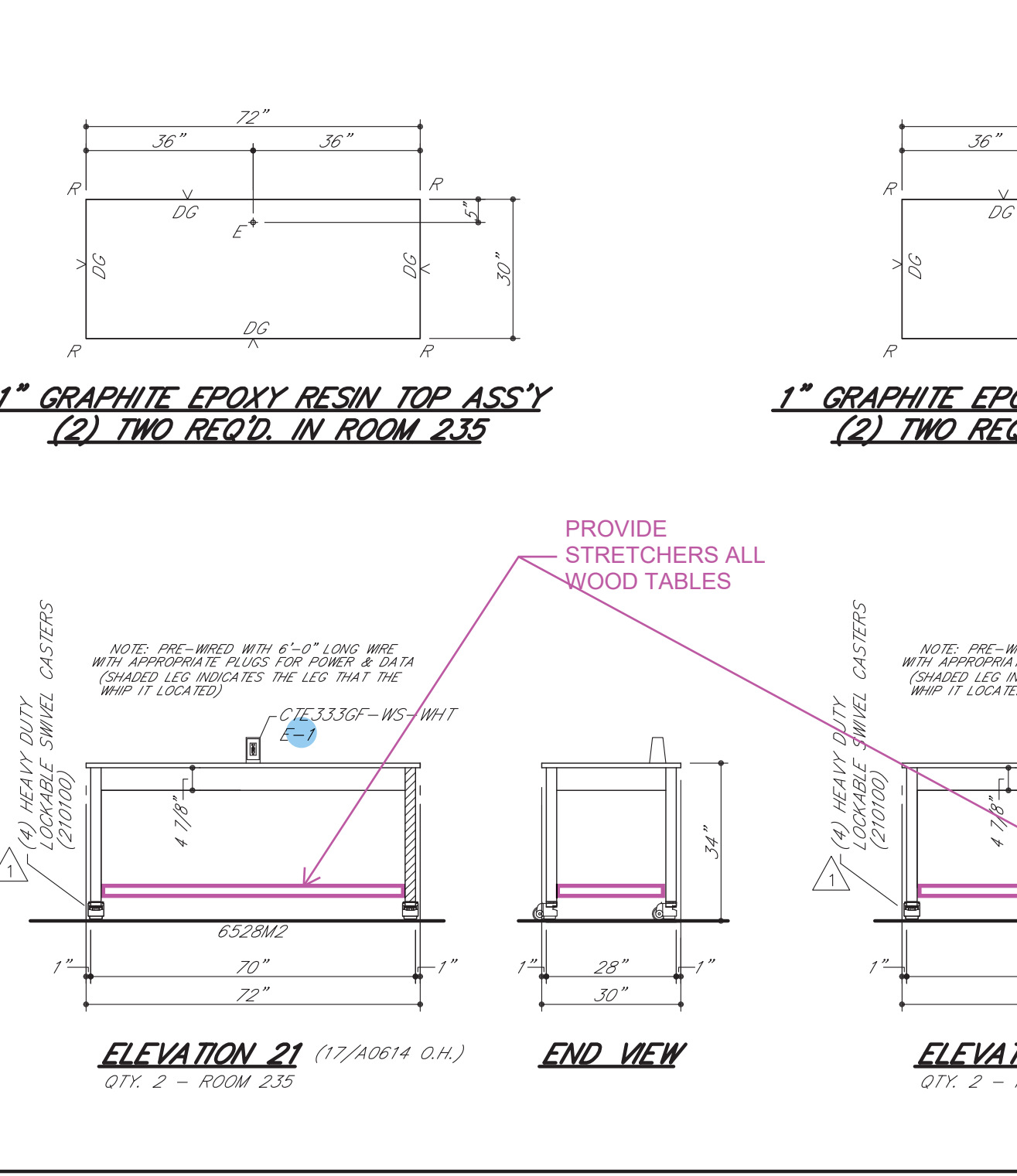
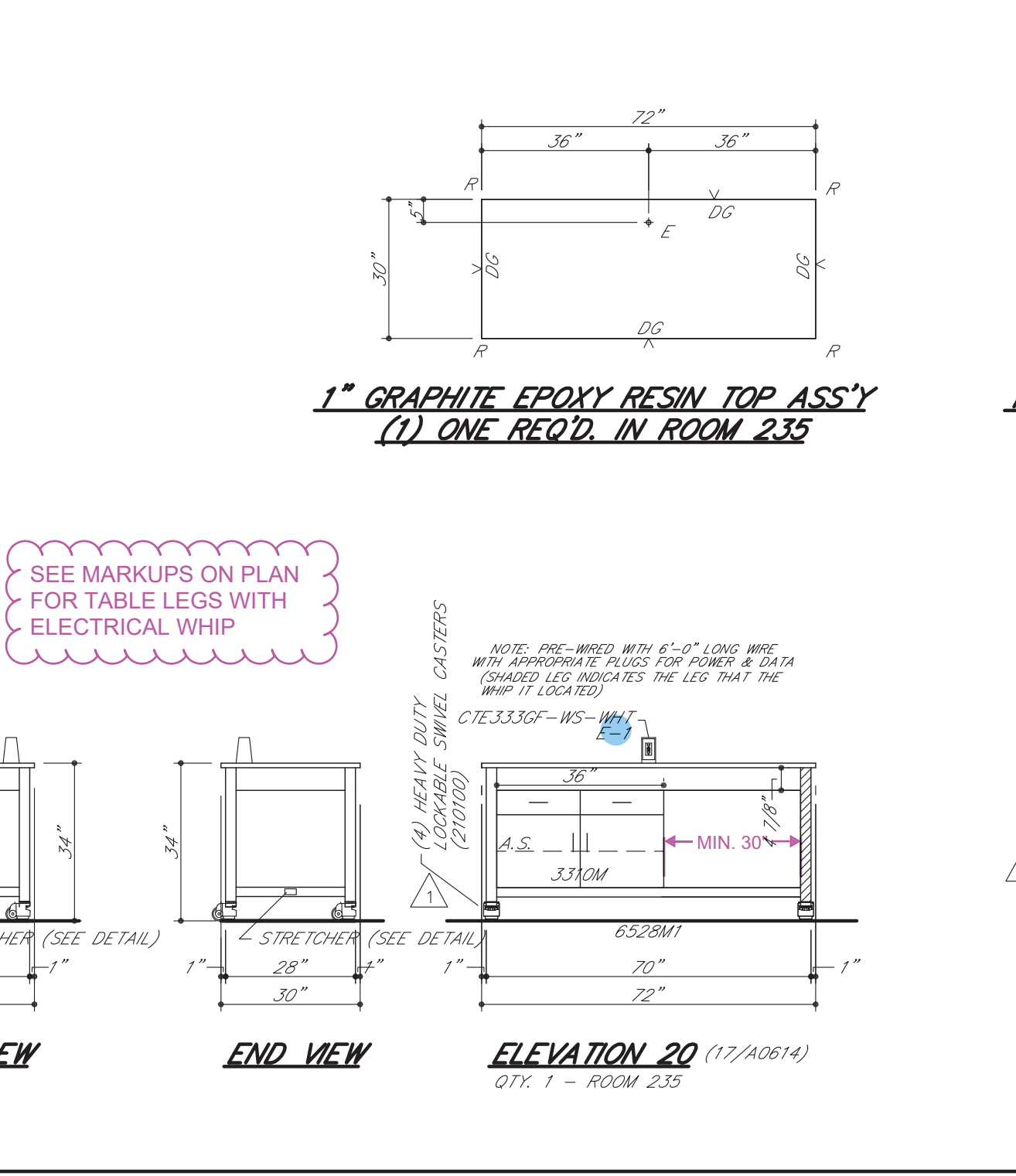
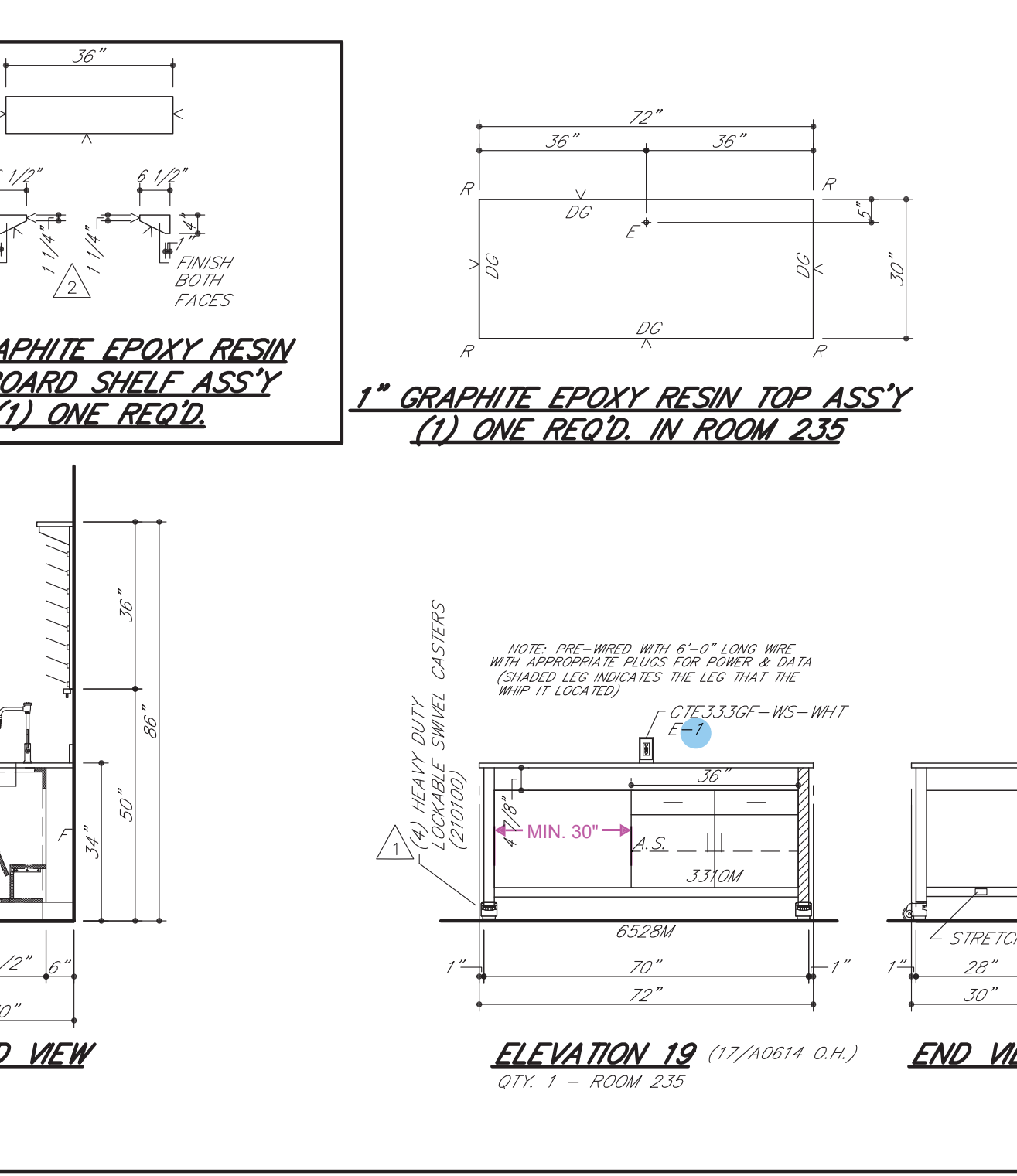
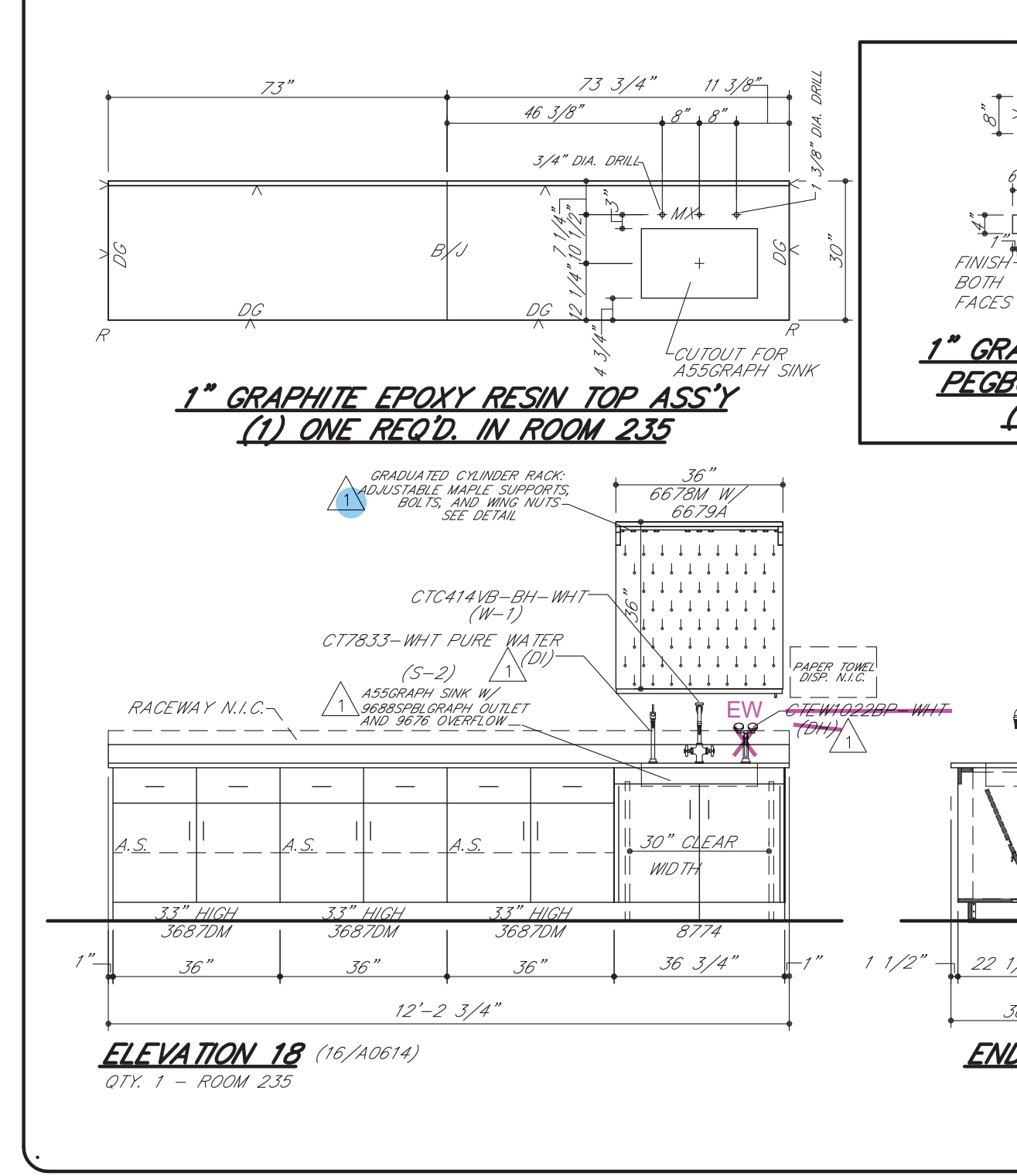
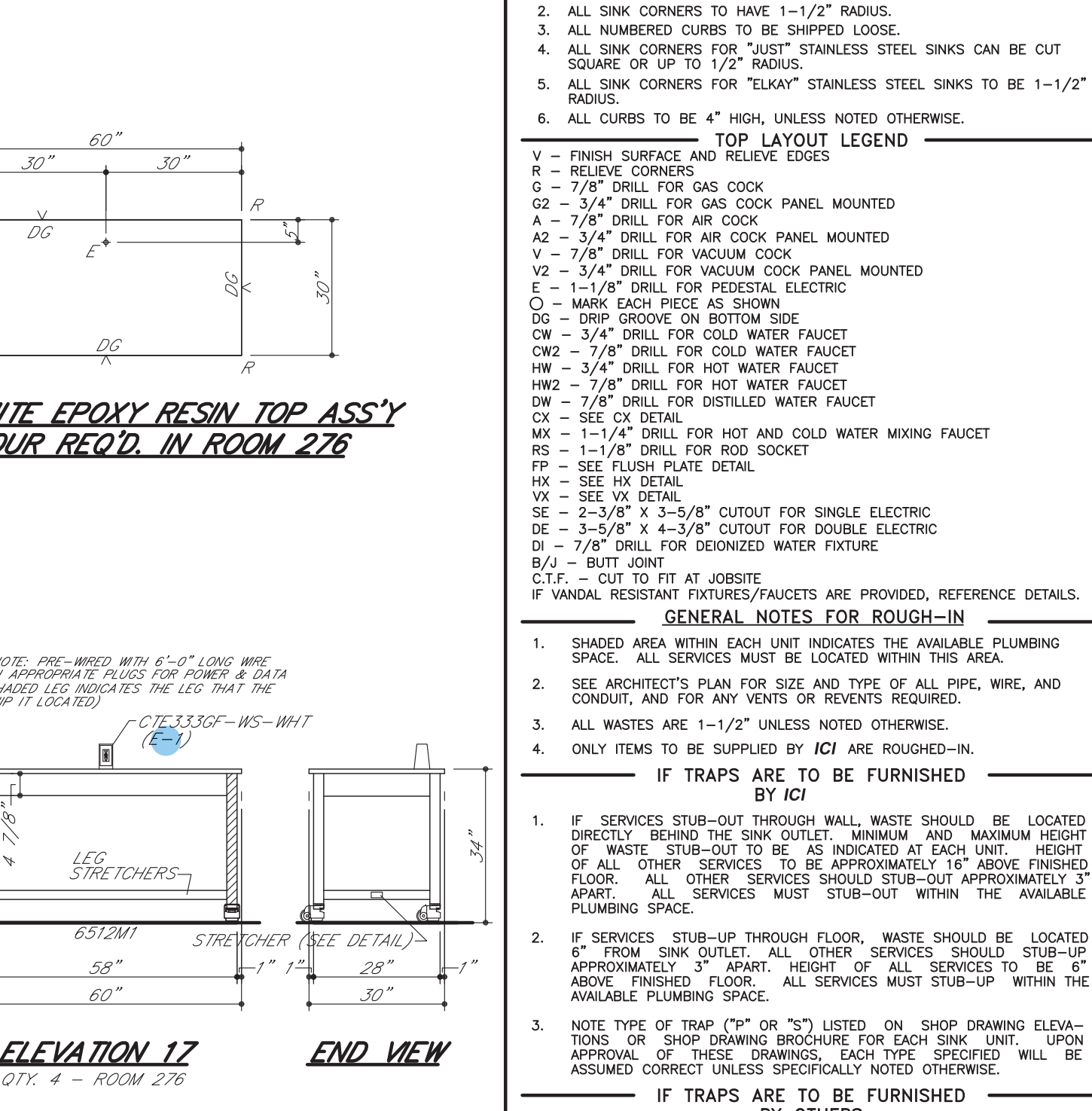
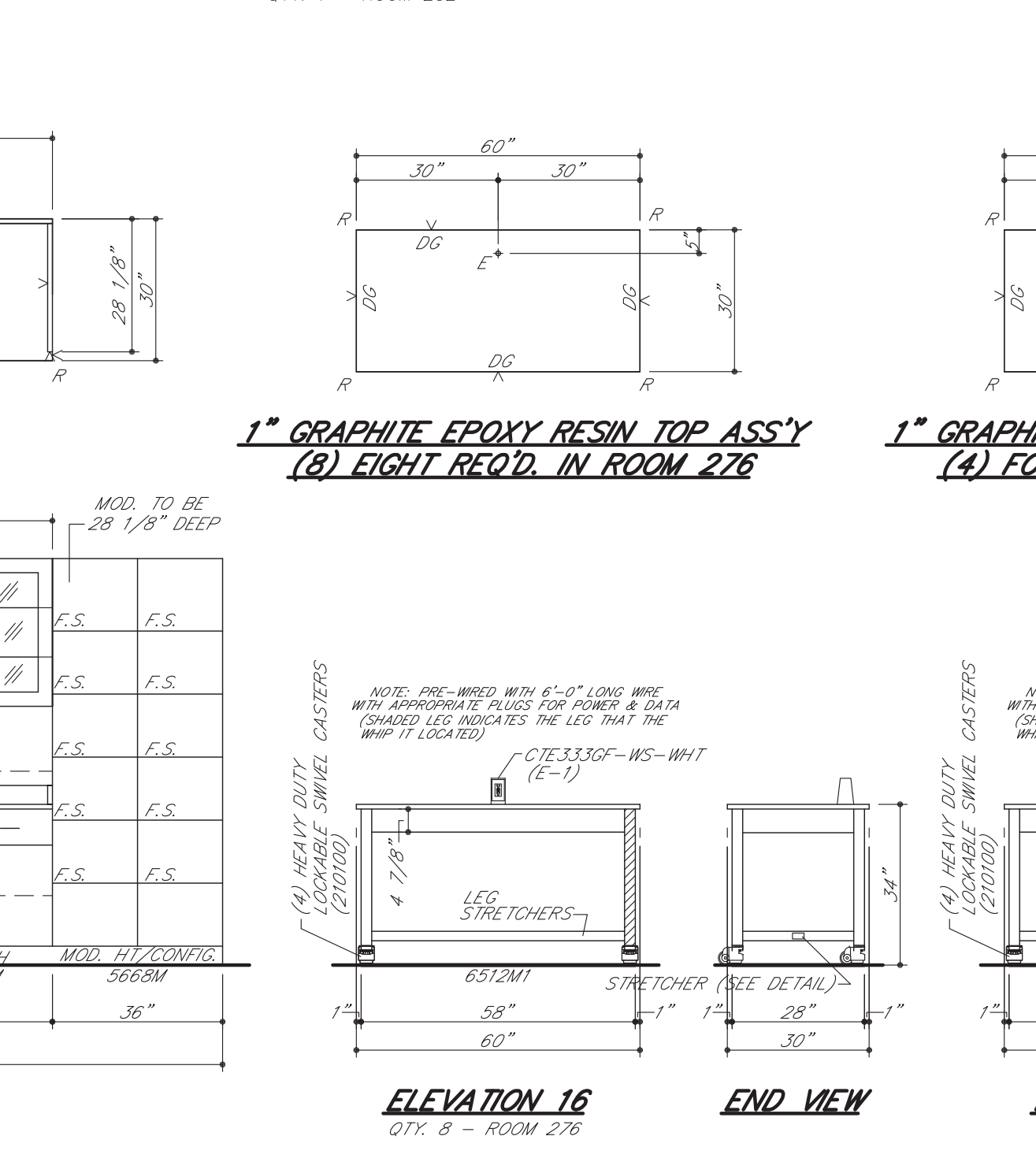
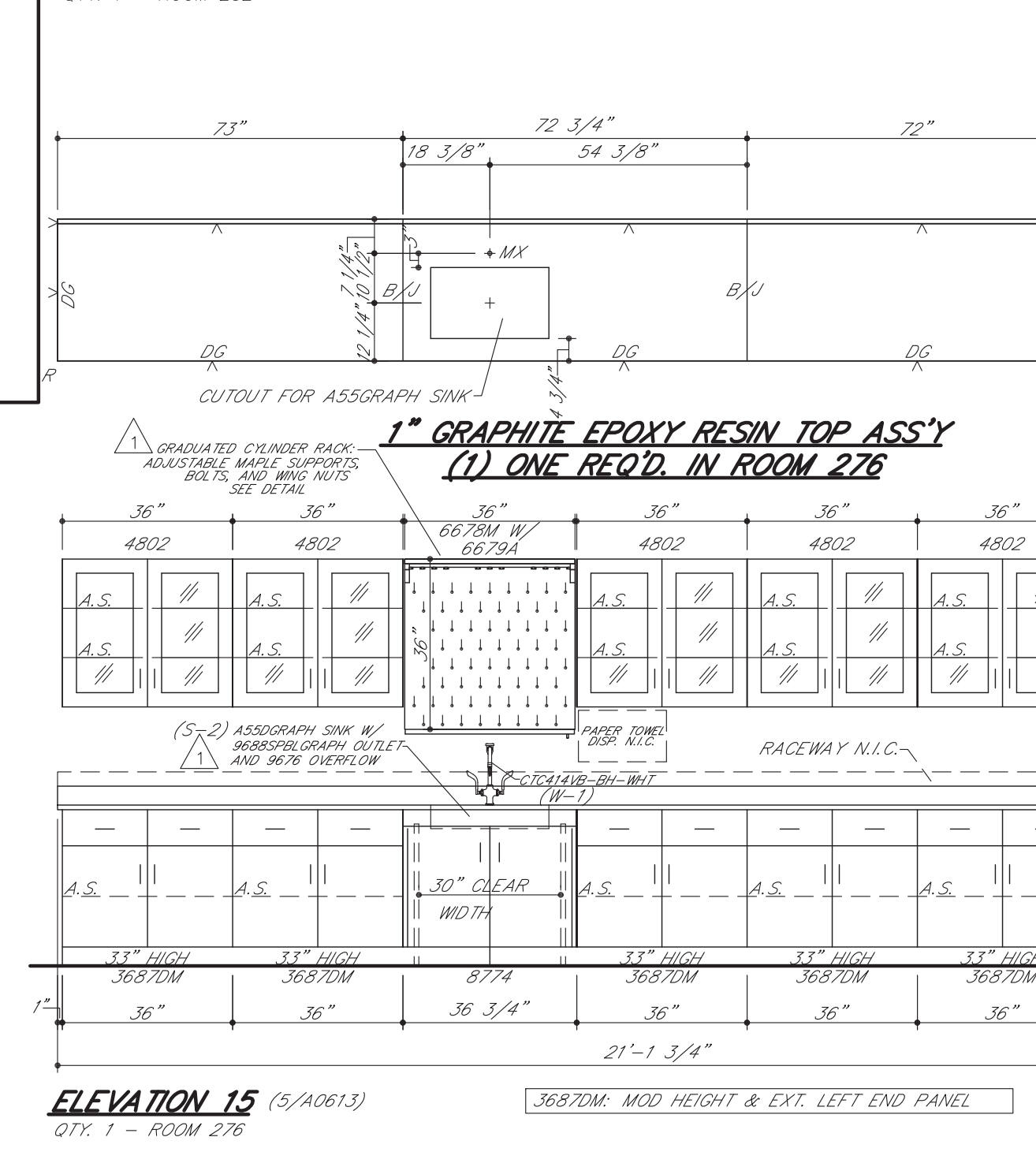
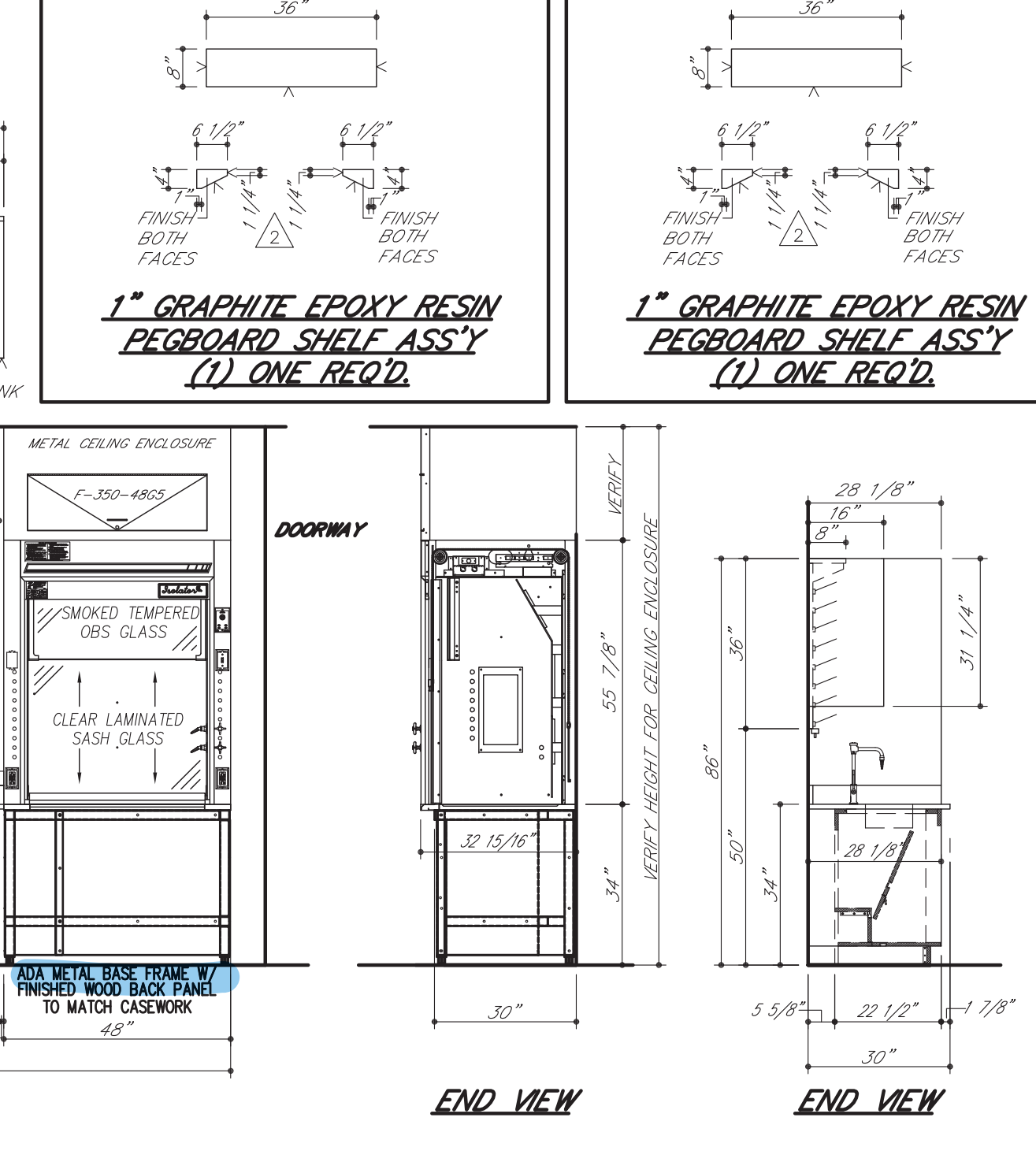
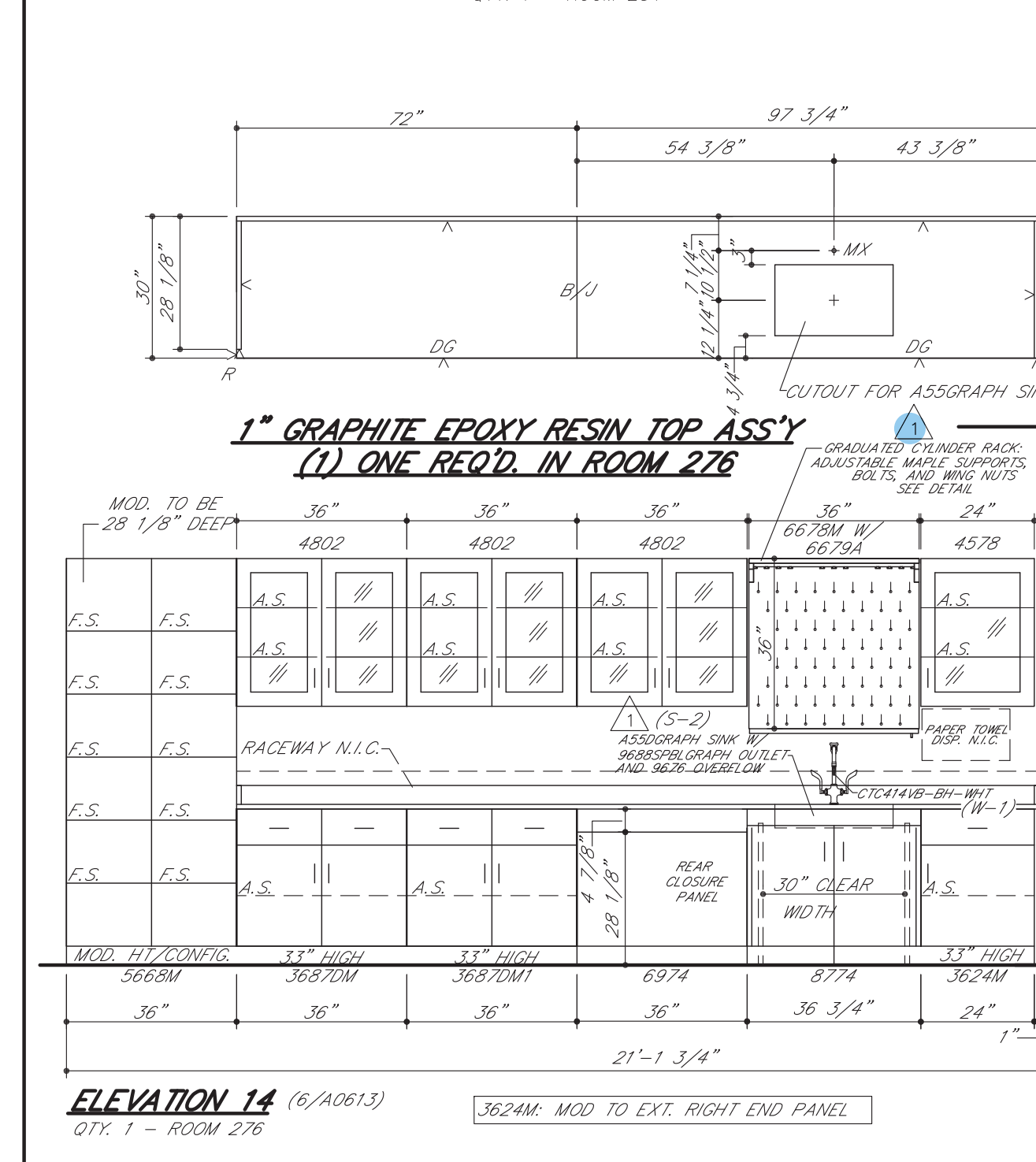
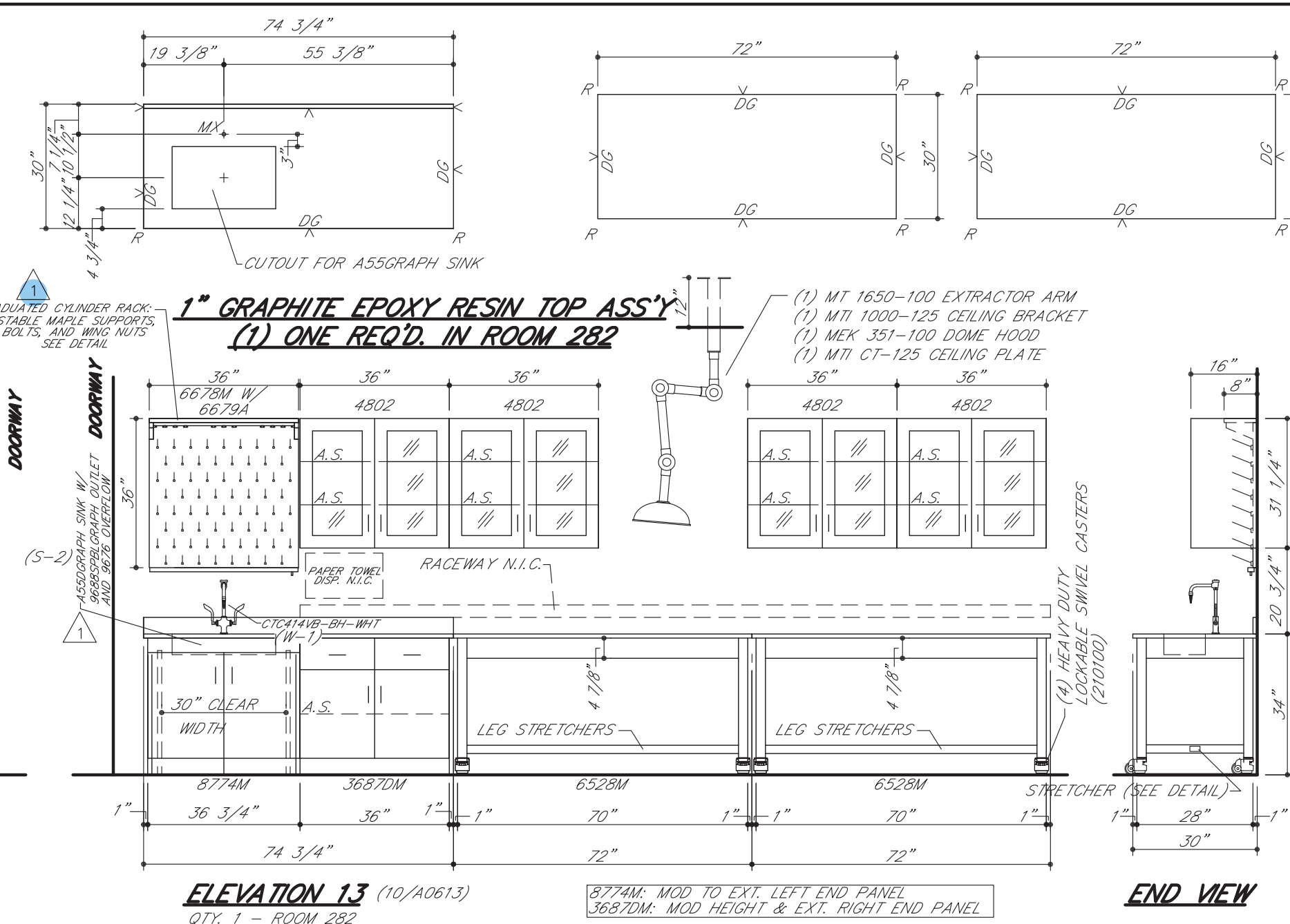
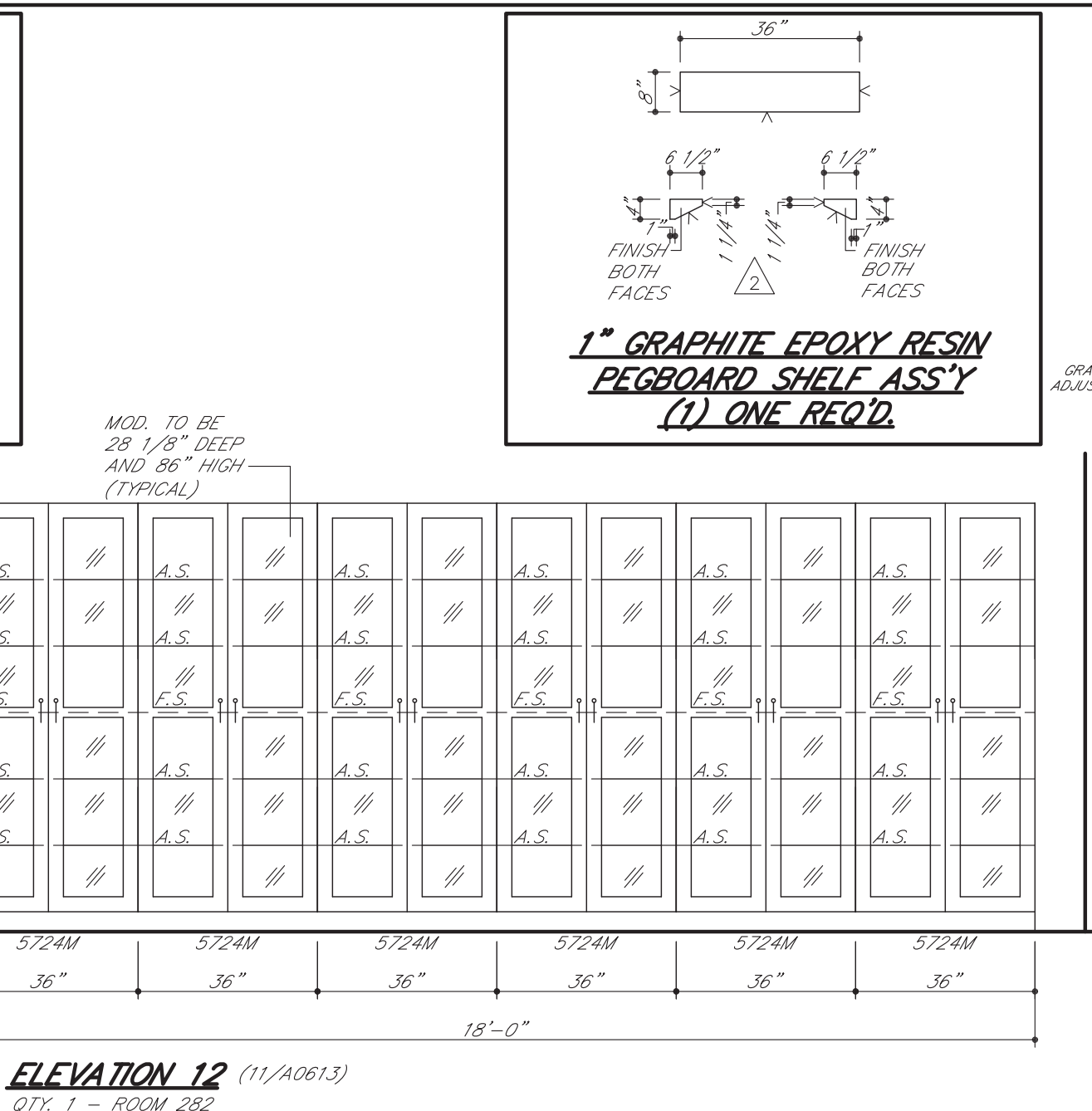
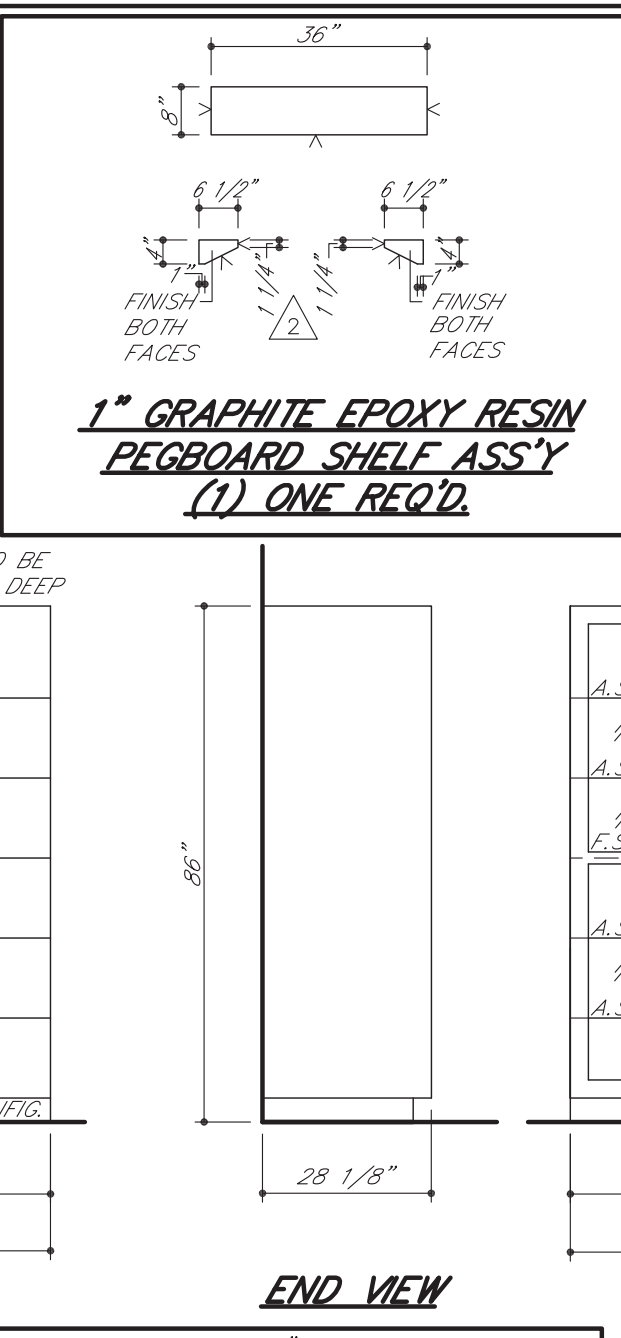
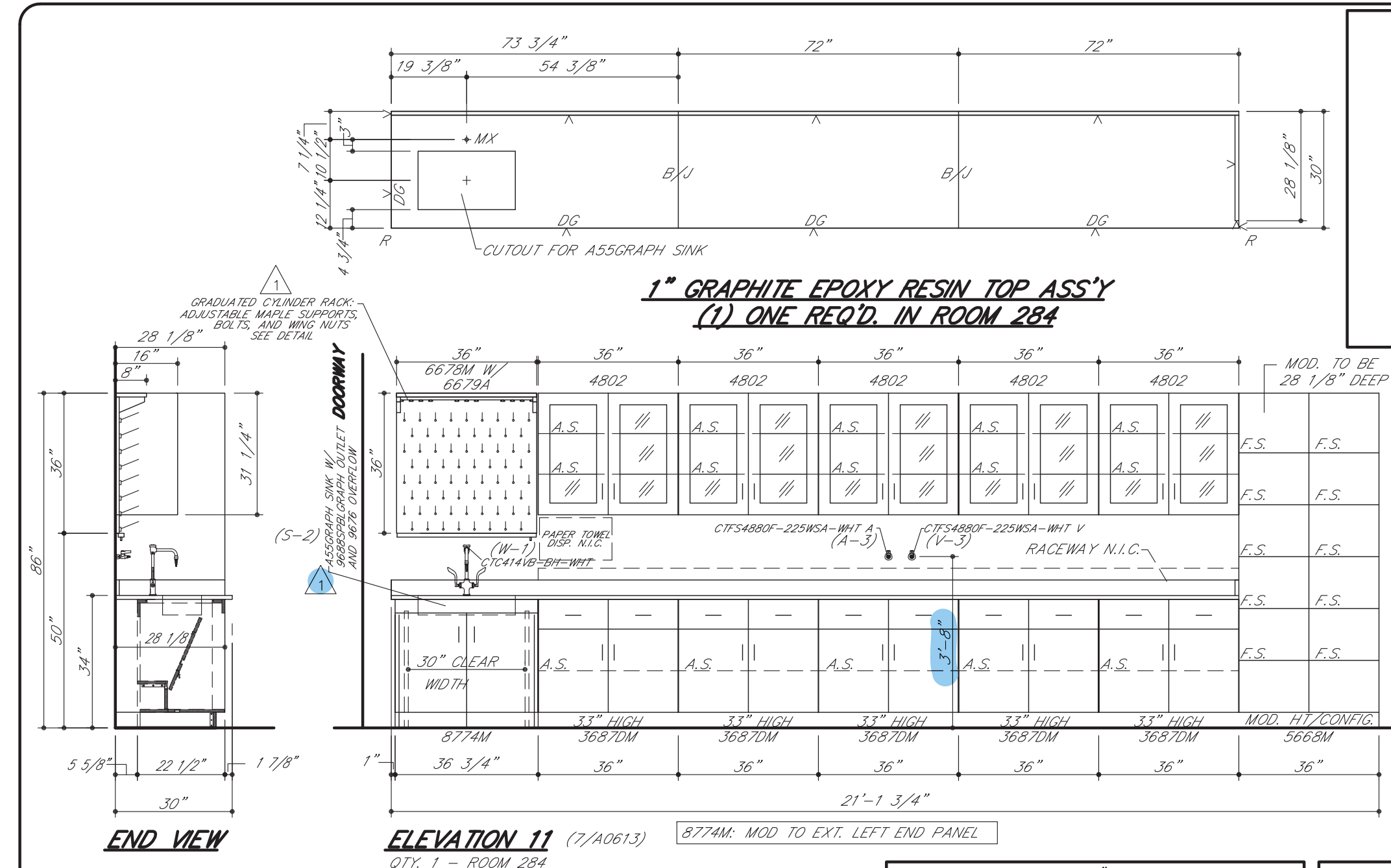
SCIENCE EQUIPMENT ROUGH-IN

WEBSTER UNIVERSITY WEBSTER GROVES, MO

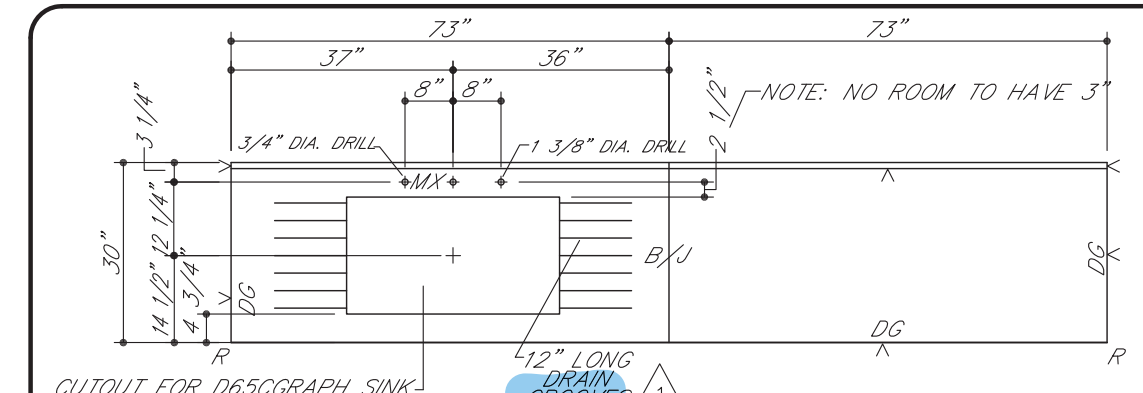
DIST.	CARROLL SEATING	JOB NO.	044376
DRN. BY	C. MARTIN	CKD. BY	
DATE	09/26/16	DWG. NO.	044376R2

SCALE 1/4" = 1'-0"

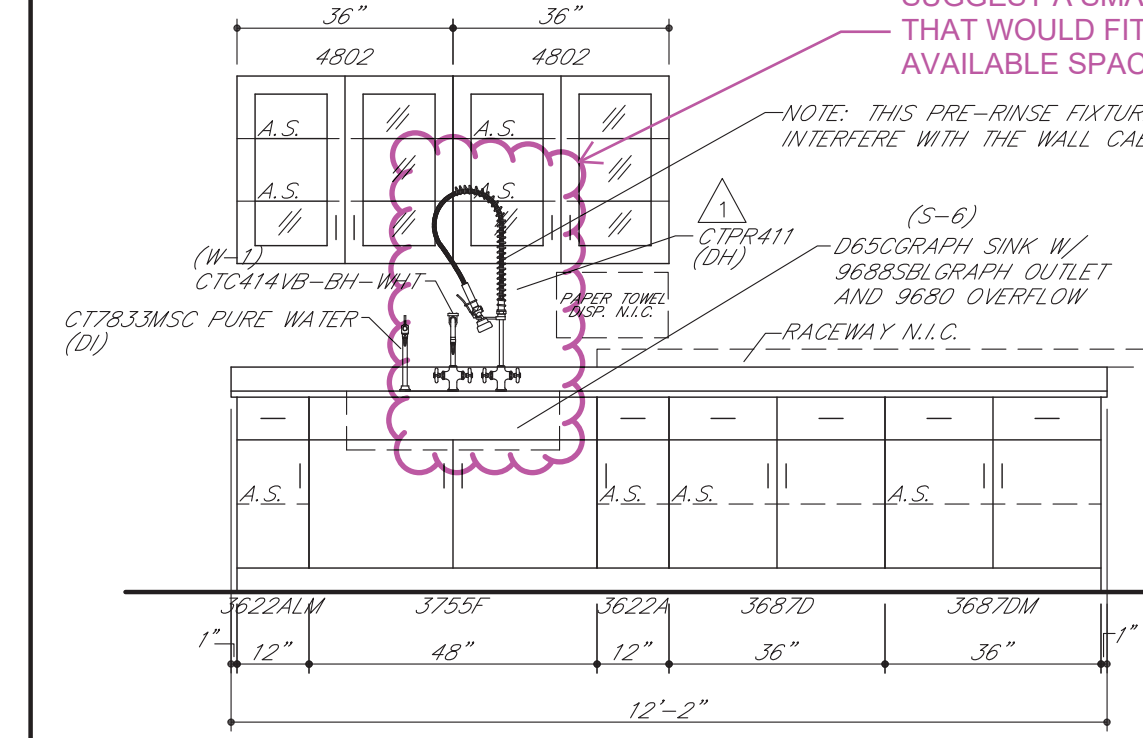
SHEET 2 OF 6



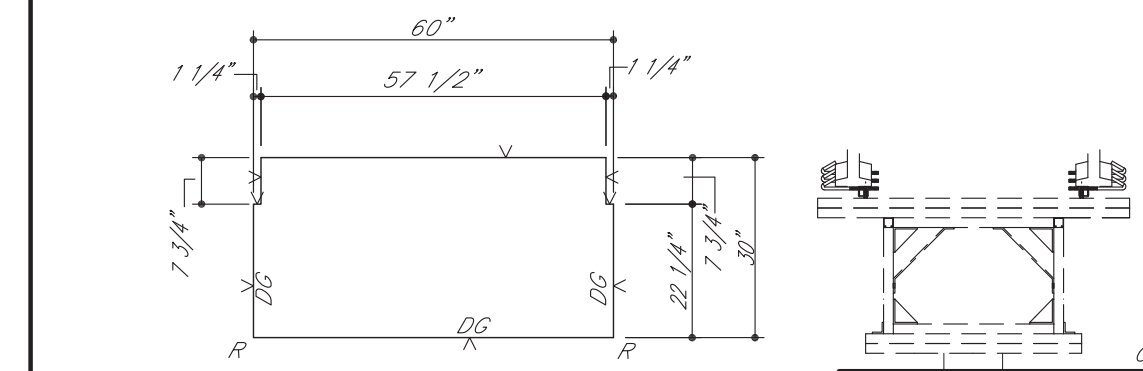
GENERAL NOTES FOR TOP LAYOUTS			
1.	ALL SINK OUTLETS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.		
2.	ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.		
3.	ALL NUMBERED CURBS TO BE SHIPPED LOOSE.		
4.	ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.		
5.	ALL SINK CORNERS FOR "LUXURY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.		
6.	ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.		
GENERAL NOTES FOR ROUGH-IN			
1.	SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.		
2.	SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVEALS REQUIRED.		
3.	ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.		
4.	ONLY ITEMS TO BE SUPPLIED BY ICI ARE FURNISHED.		
IF TRAPS ARE TO BE FURNISHED BY OTHERS			
1.	IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF WASTE STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES WITHIN THE AVAILABLE PLUMBING SPACE.		
2.	IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.		
3.	NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.		
ROUGH-IN LEGEND			
W	- WASTE	V	- VACUUM
CW	- COLD WATER	S	- STEAM
HW	- HOT WATER	E1	- 115 V.A.C. ELECTRIC
DW	- DISTILLED WATER	E2	- 220 V.A.C. ELECTRIC
DI	- DEIONIZED WATER	S.O.	- (S) SINK OUTLET
G	- GAS	P.C.	- PULL OUT SHELF
A	- AIR	F	- FILLER
ELEVATION LEGEND			
A.S.	- ADJUSTABLE SHELF	M.S.	- MASTERKEY LOCK
LTH	- 3 PT. LATCHING HANDLE	F.S.	- FIXED SHELF
R/H	- 3 PT. LOCKING HANDLE	R/C/P	- REAR CLOSURE PANEL
RMS	- REVOLVING METAL SHELF	F/C/P	- FRONT CLOSURE PANEL
P.S.	- PULL OUT SHELF	F	- FILLER
ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN. THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRICAL JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL BE CONSIDERED TO BE AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN ARE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.			
INSTITUTIONAL CASEWORK INC. 1865 North Market Street Paris, TN 38242 (731) 642-4251			
EQUIP. ELEVATIONS & TOP L.O. WEBSTER UNIVERSITY WEBSTER GROVES, MO			
DIST.	CARROLL SEATING	JOB NO.	044379
DRN. BY	G. MARTIN	CKD. BY	
DATE	09/26/16	DWG. NO.	044379E2
SCALE	3/8" = 1'-0"	SHEET	4 OF 6



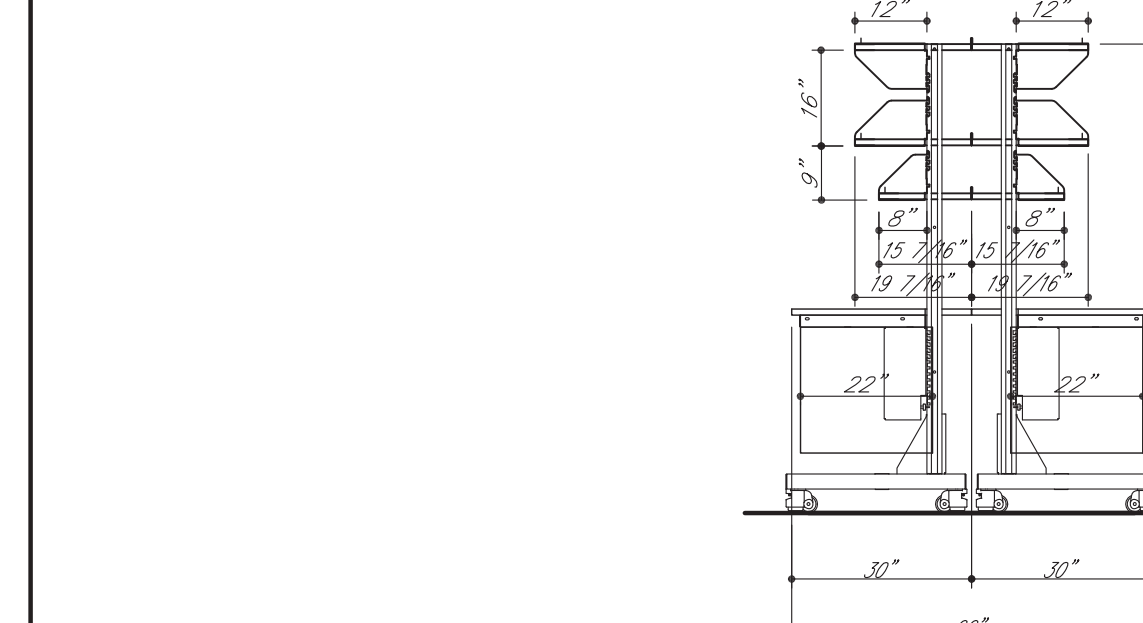
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 291



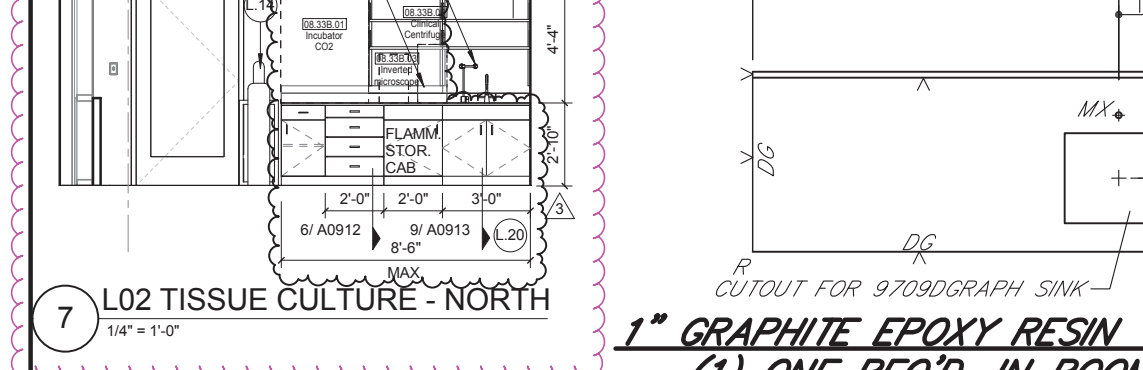
ELEVATION 23 (10/A0614)
QTY. 1 - ROOM 291



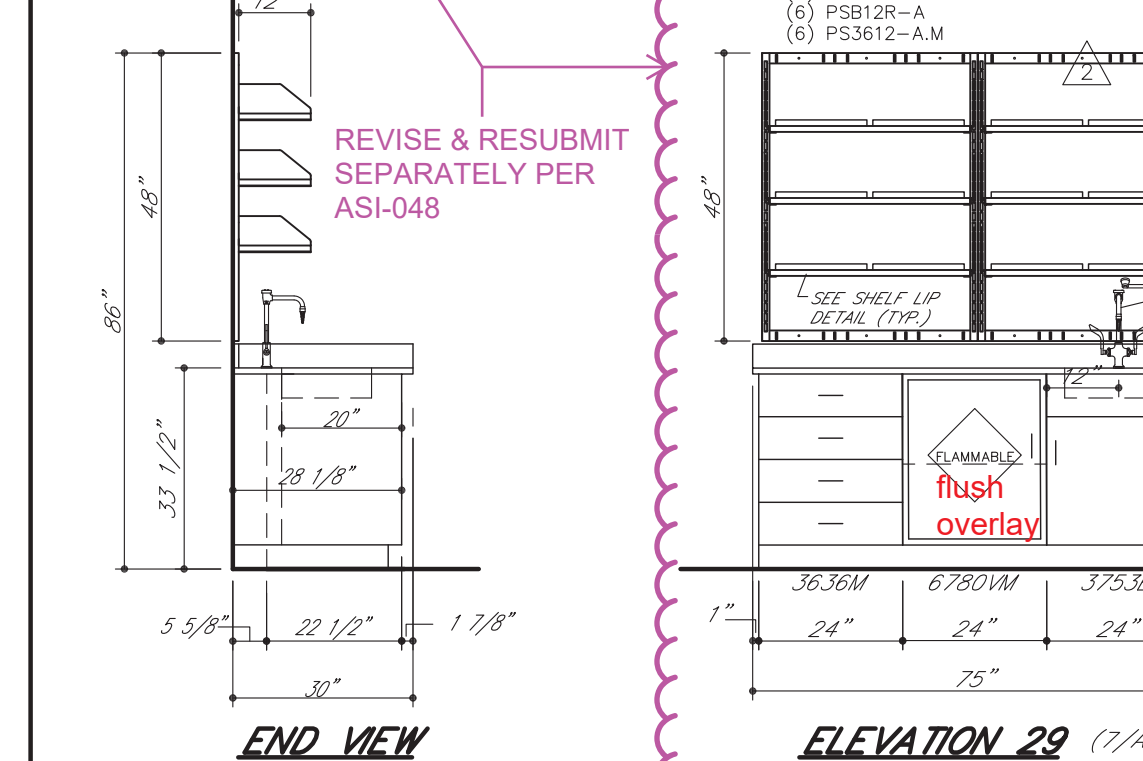
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(12) TWELVE REQ'D. IN ROOM 283
(12) TWELVE REQ'D. IN ROOM 291



ELEVATION 24 (4 and 11/A0614)
QTY. 4 - ROOMS 283 AND 291



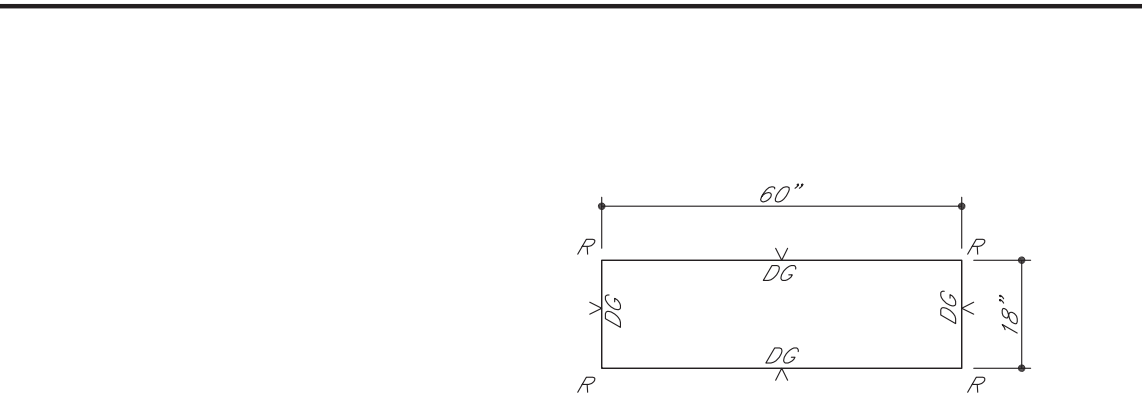
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283
(1) ONE REQ'D. IN ROOM 291



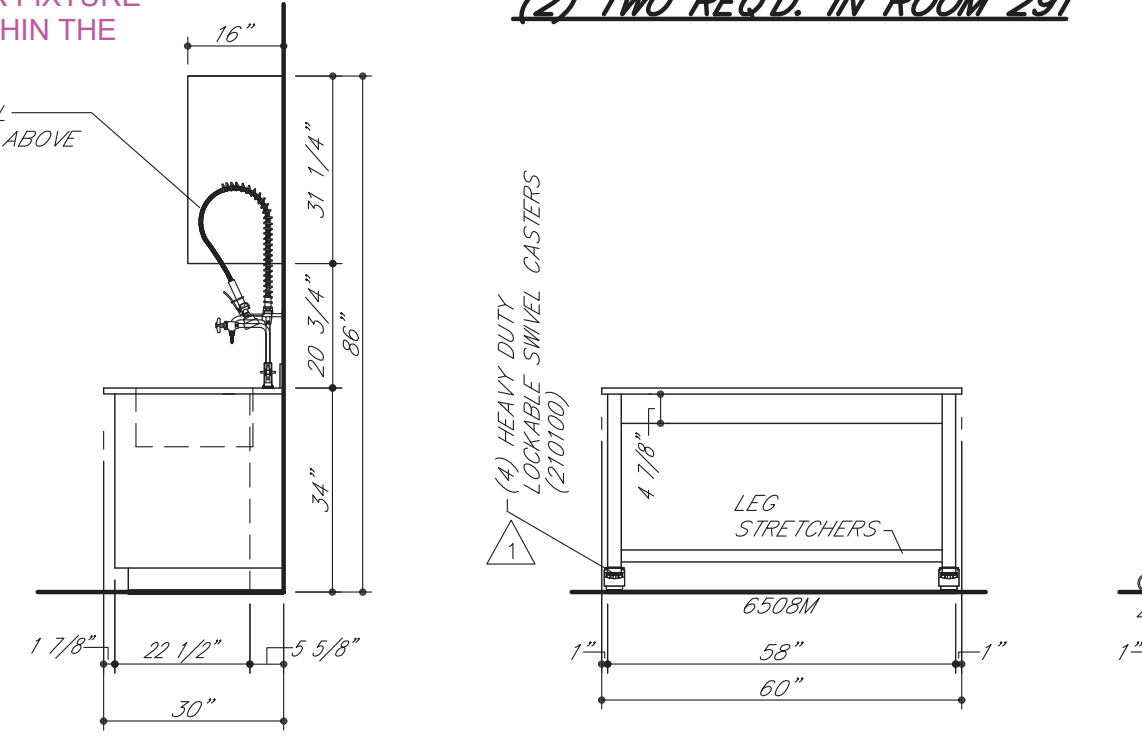
ELEVATION 25 (4 and 11/A0614)
QTY. 2 - ROOMS 283 AND 291



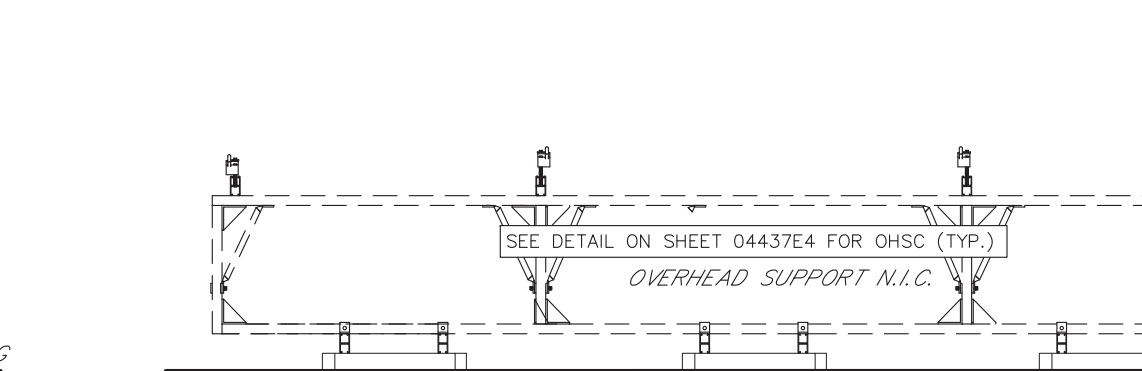
ELEVATION 26 (9/A0614)
QTY. 1 - ROOM 291



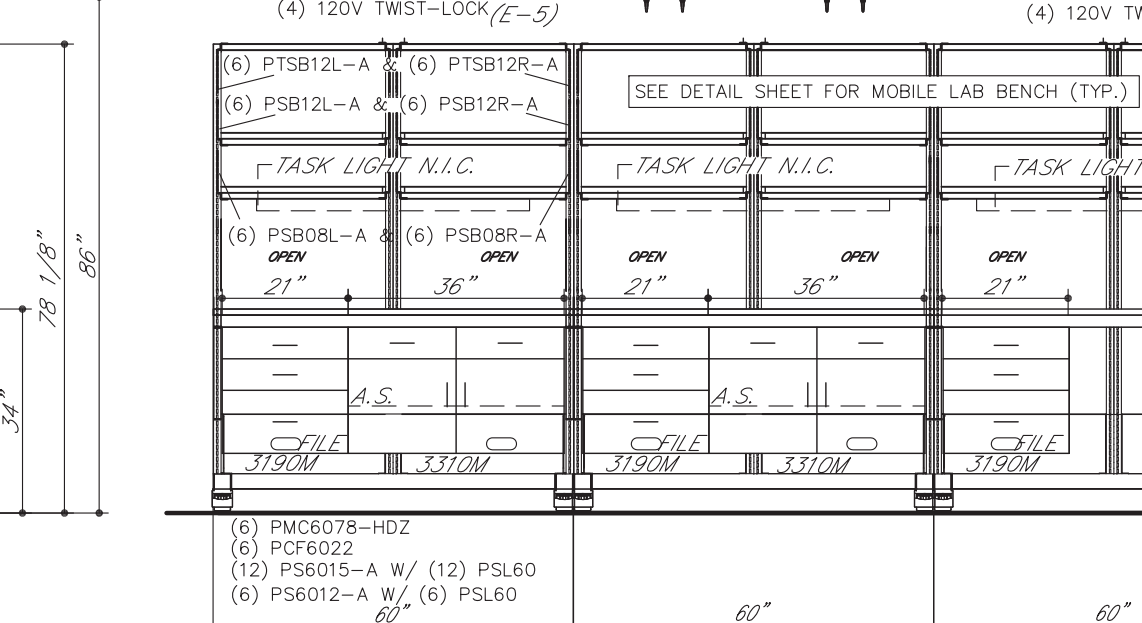
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283
(1) ONE REQ'D. IN ROOM 291



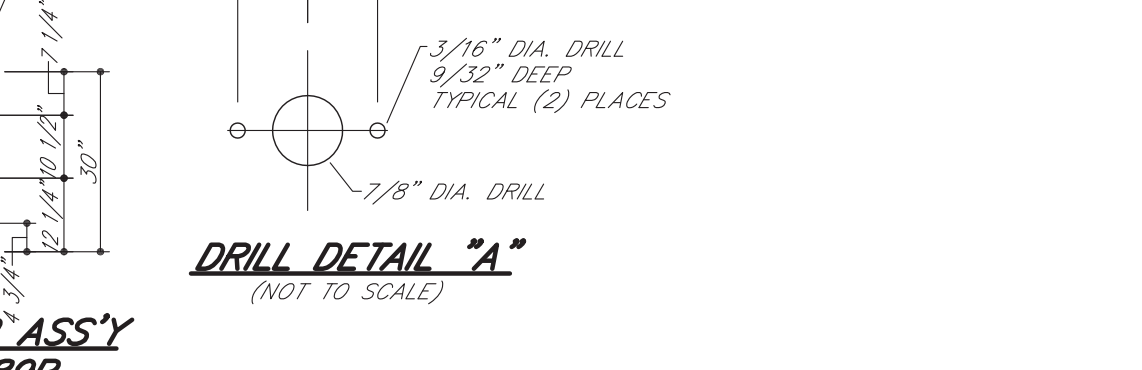
ELEVATION 27 (3/A0614)
QTY. 4 - ROOMS 283 AND 291



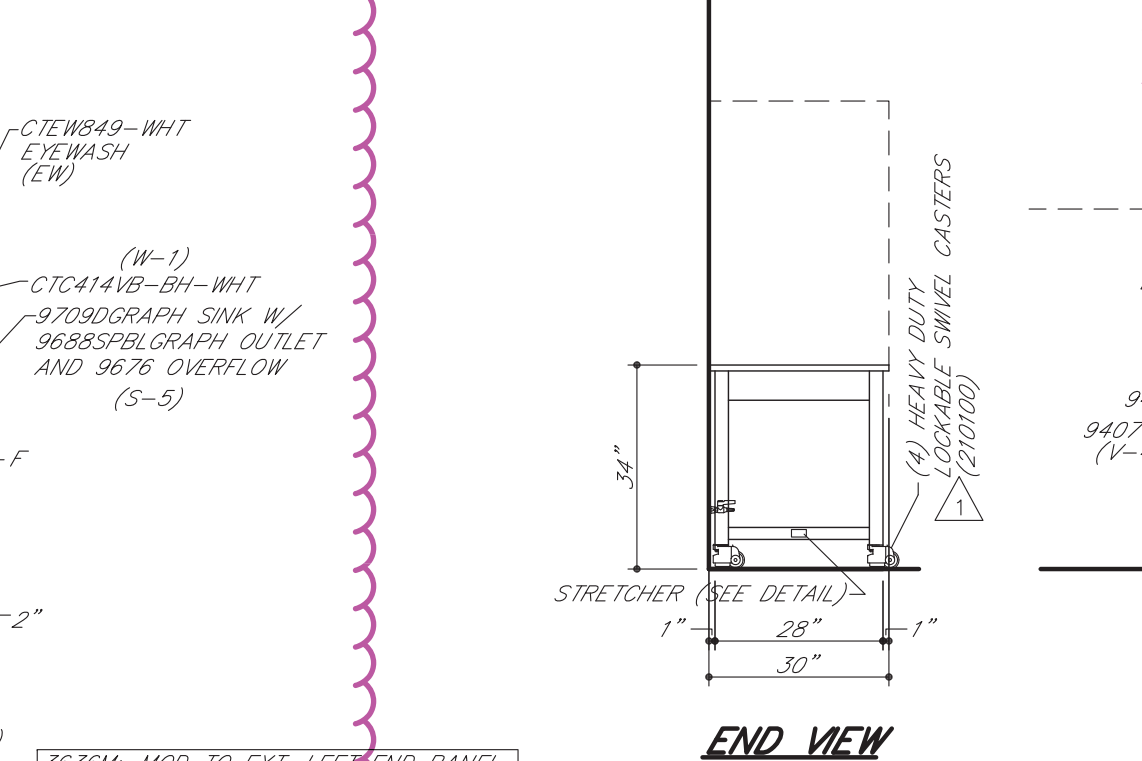
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(1) ONE REQ'D. IN ROOM 289B



ELEVATION 28 (7/A0614)
QTY. 1 - ROOM 289B



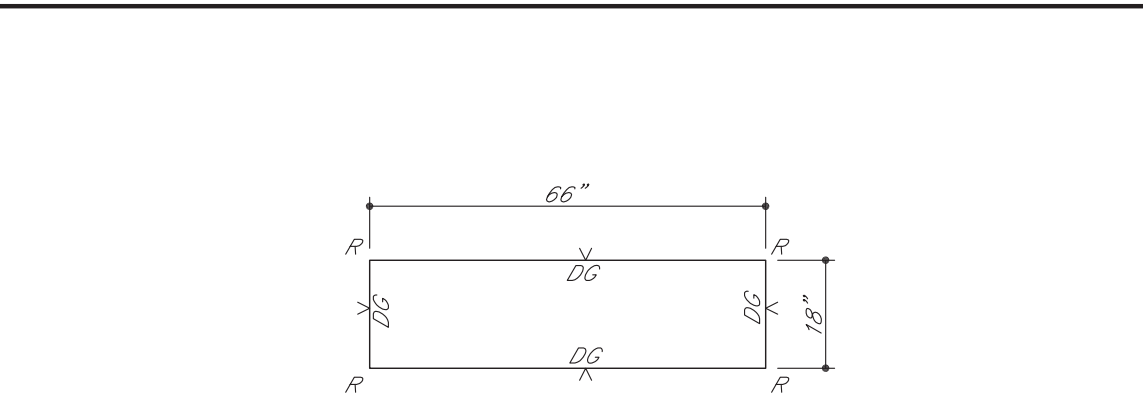
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 289B



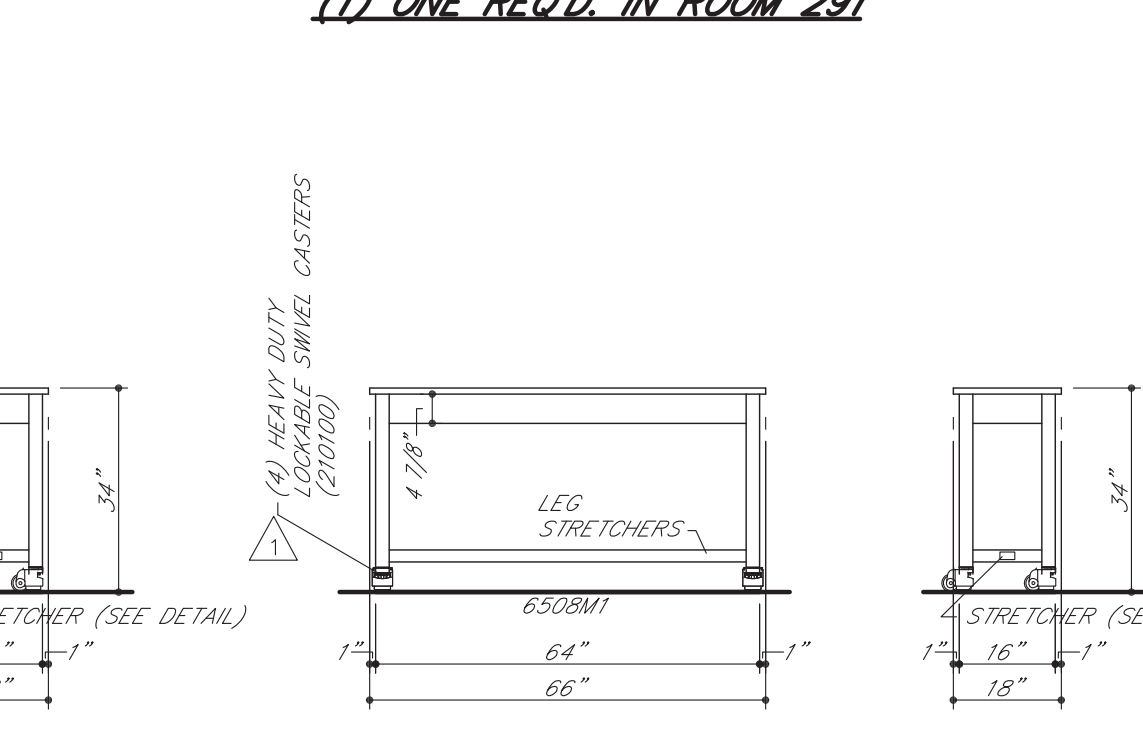
ELEVATION 29 (8/A0614)
QTY. 1 - ROOM 289B



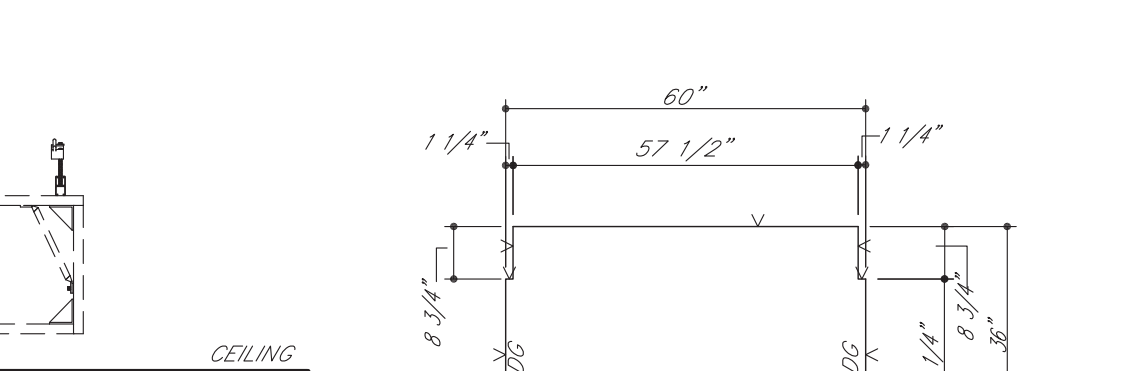
ELEVATION 30 (9/A0614)
QTY. 1 - ROOM 289B



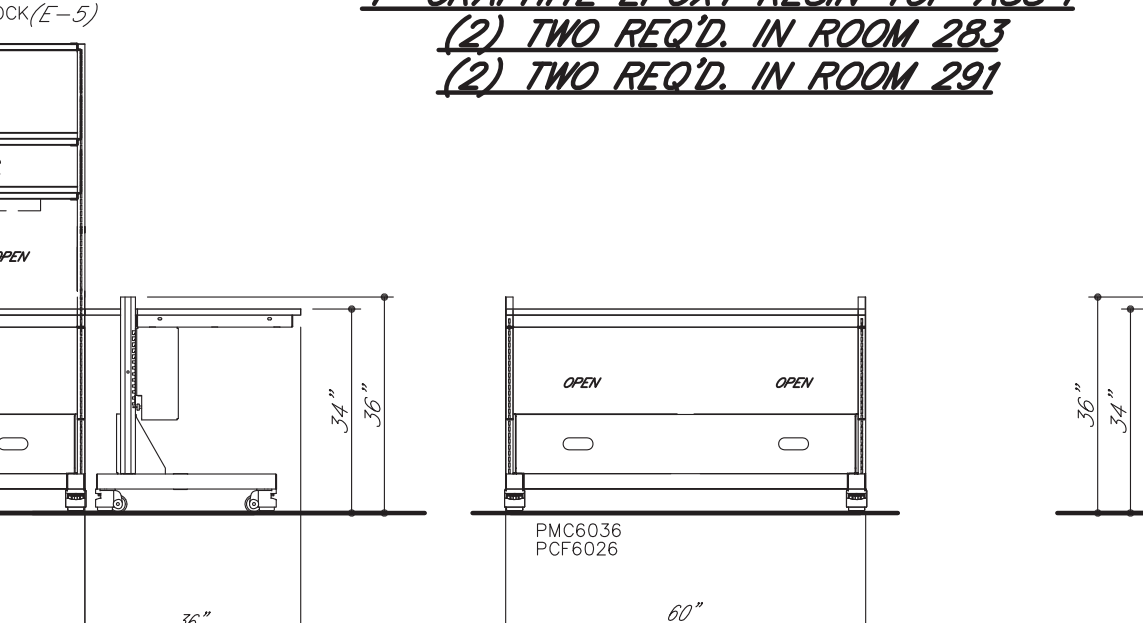
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283
(1) ONE REQ'D. IN ROOM 291



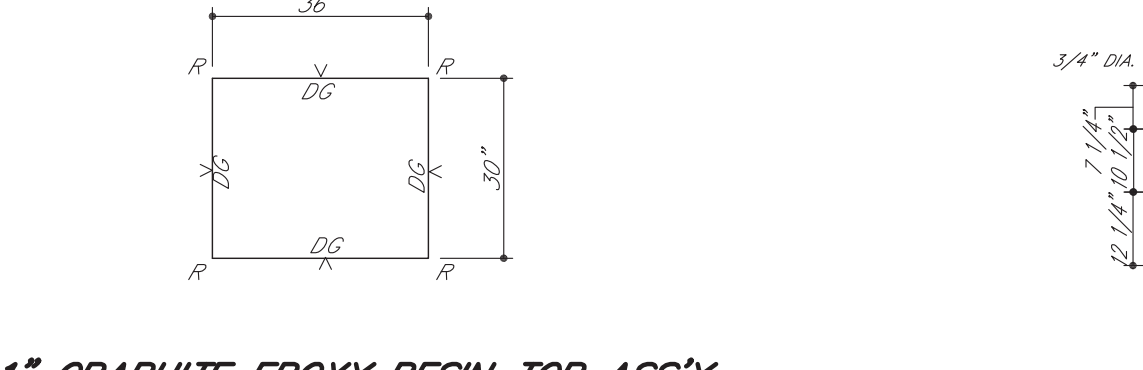
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QTY. 1 - ROOM 289A



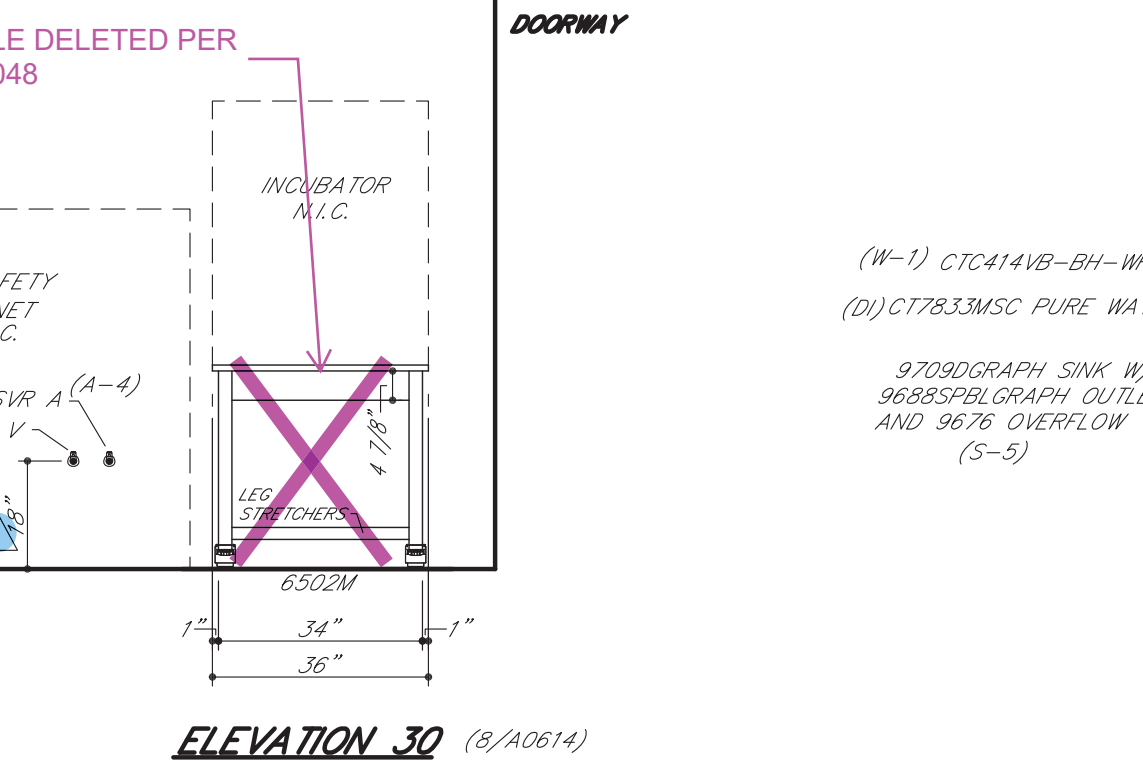
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283
(1) ONE REQ'D. IN ROOM 291



ELEVATION 32 (8/A0614)
QTY. 1 - ROOM 289A



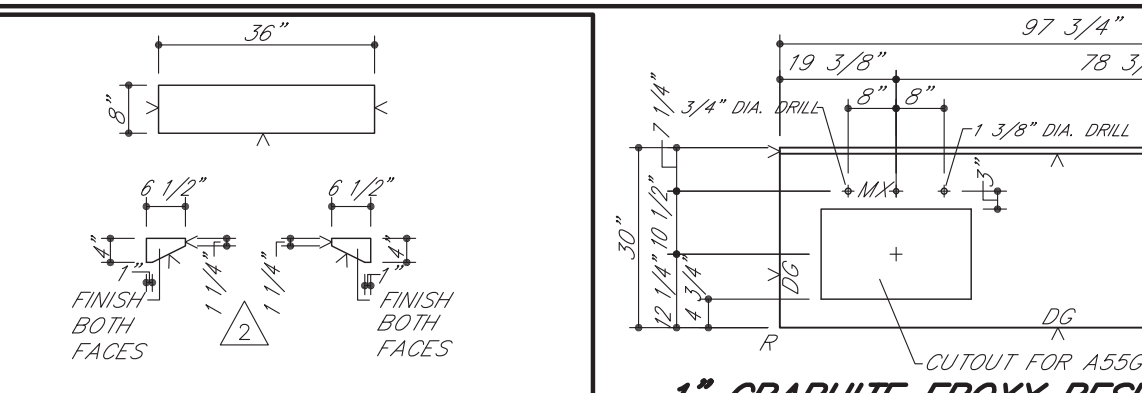
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 289B



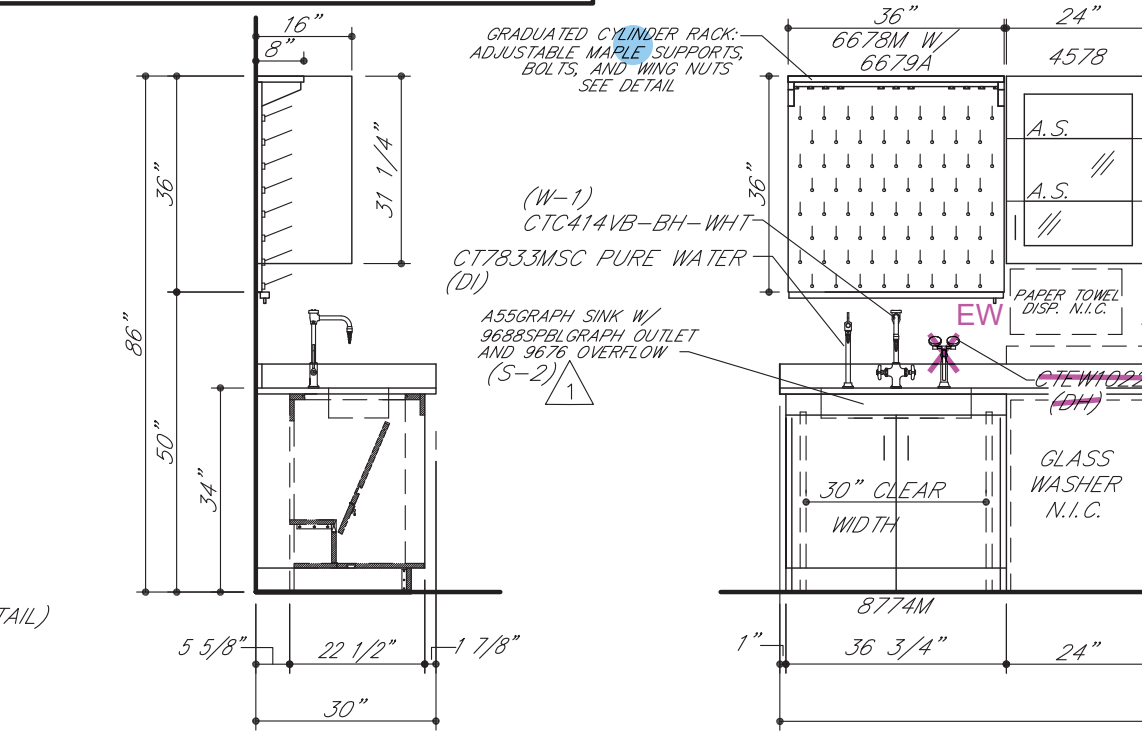
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QTY. 1 - ROOM 289B



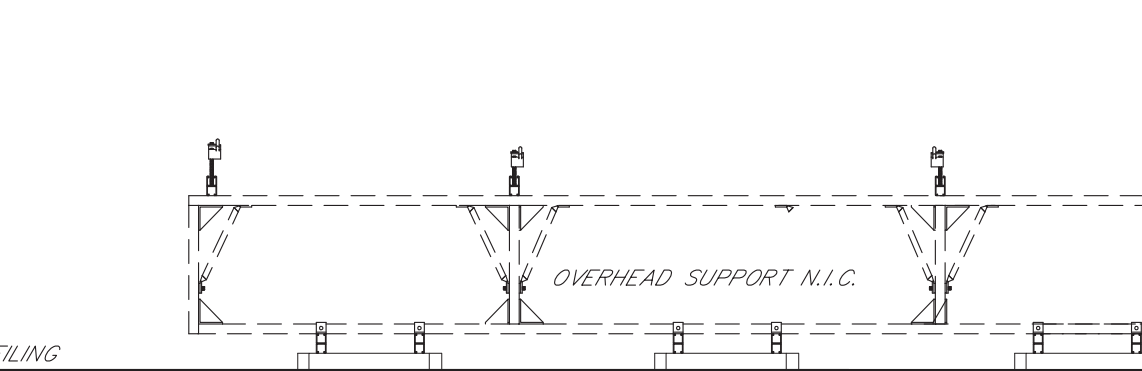
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QTY. 1 - ROOM 289B



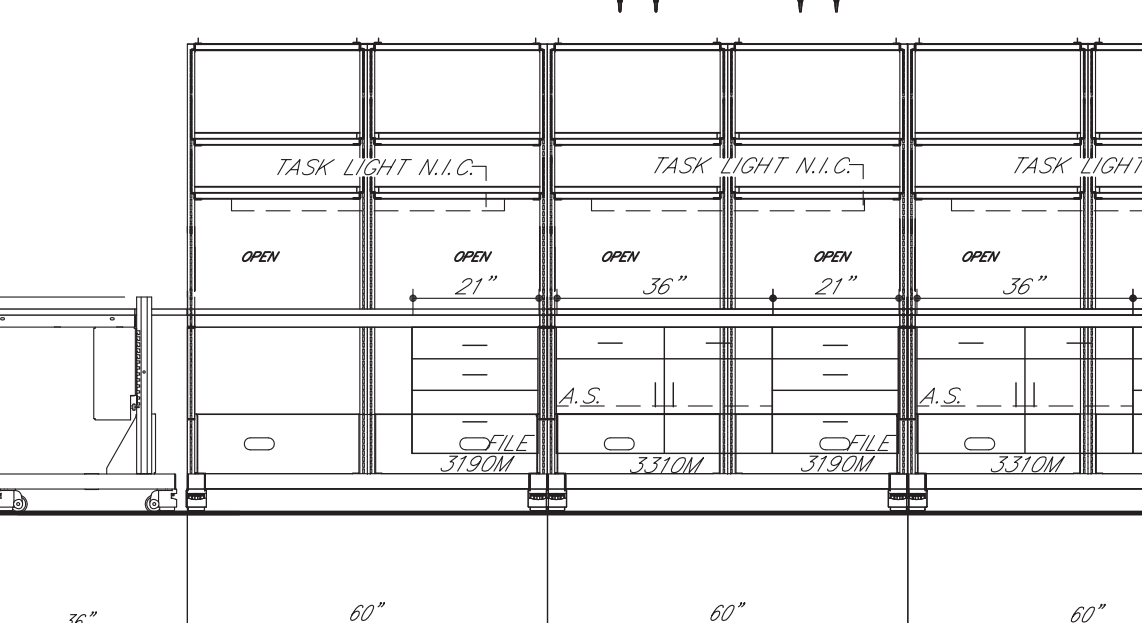
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283
(1) ONE REQ'D. IN ROOM 291



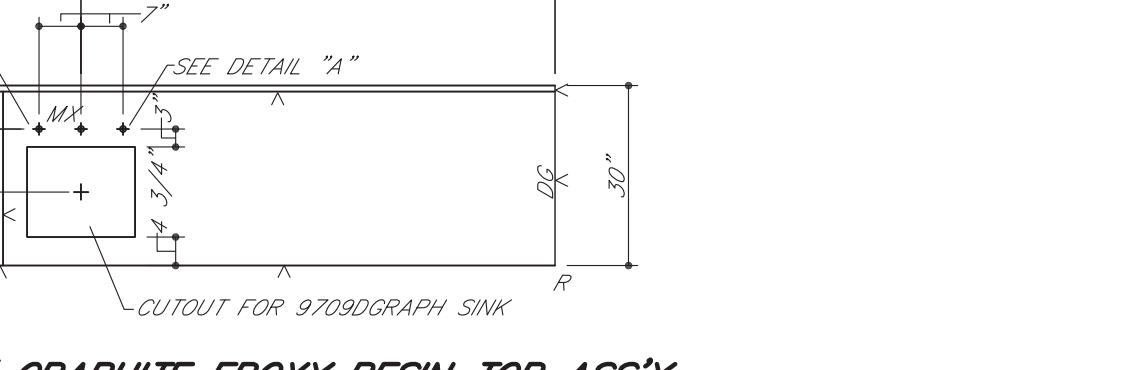
ELEVATION 35 (9/A0614)
QTY. 1 - ROOM 291



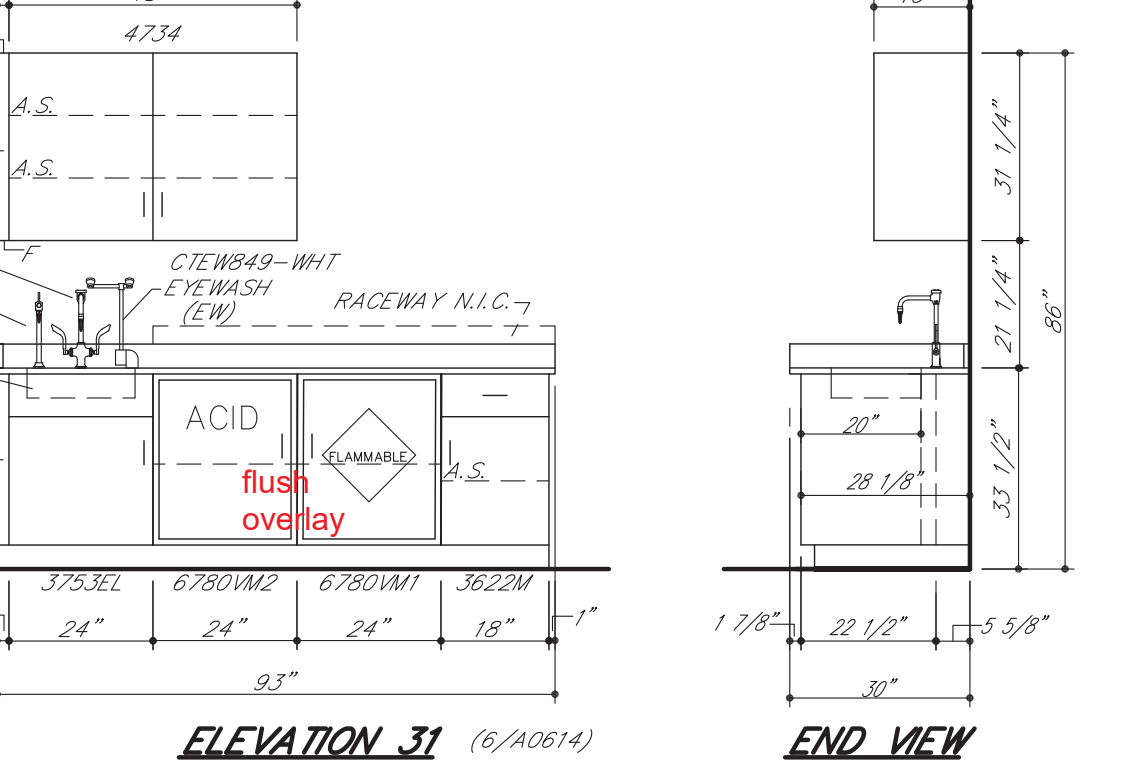
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283
(1) ONE REQ'D. IN ROOM 291



ELEVATION 36 (9/A0614)
QTY. 1 - ROOM 283 AND 291



1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 289B



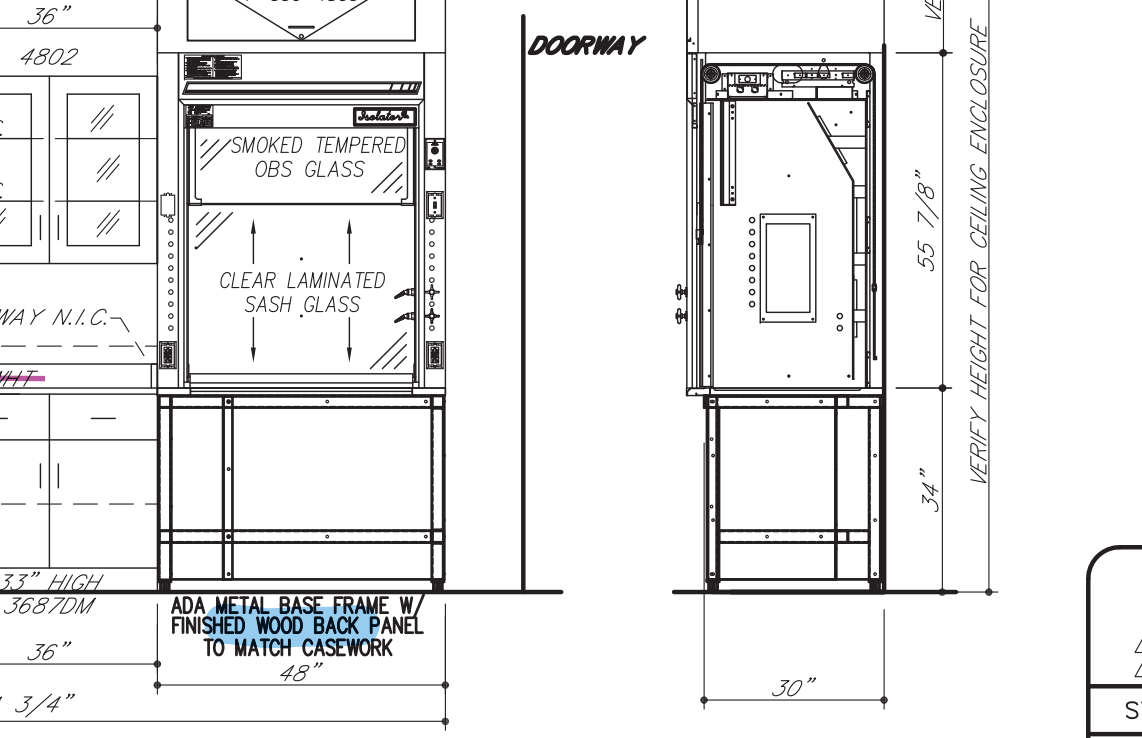
ELEVATION 37 (9/A0614)
QTY. 1 - ROOM 289B



ELEVATION 38 (9/A0614)
QTY. 1 - ROOM 289B



1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283
(1) ONE REQ'D. IN ROOM 291



ELEVATION 39 (9/A0614)
QTY. 1 - ROOM 291



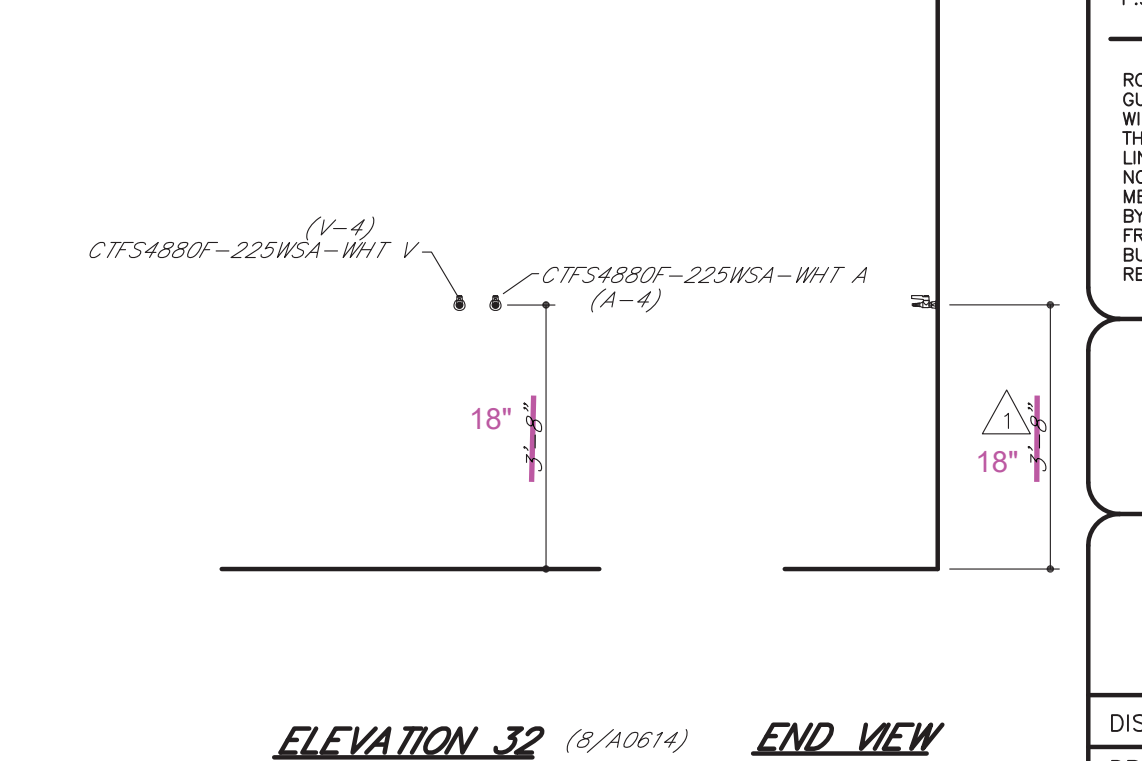
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283
(1) ONE REQ'D. IN ROOM 291



ELEVATION 40 (9/A0614)
QTY. 1 - ROOM 283 AND 291



1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 289B



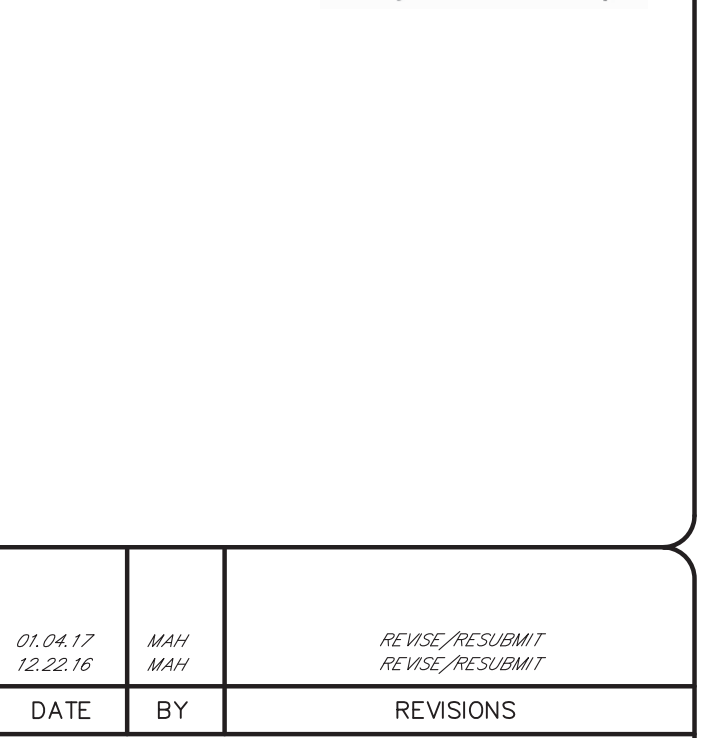
ELEVATION 41 (9/A0614)
QTY. 1 - ROOM 289B



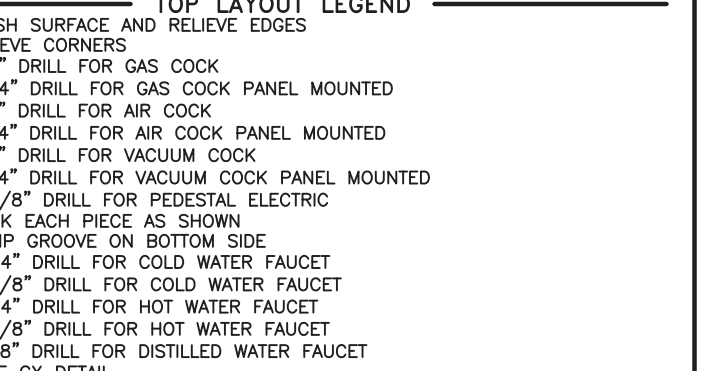
ELEVATION 42 (9/A0614)
QTY. 1 - ROOM 289B



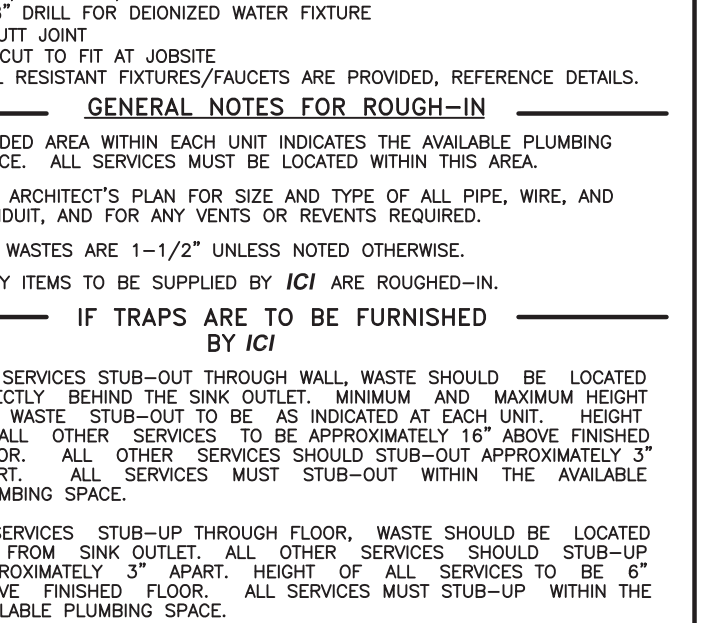
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283
(1) ONE REQ'D. IN ROOM 291



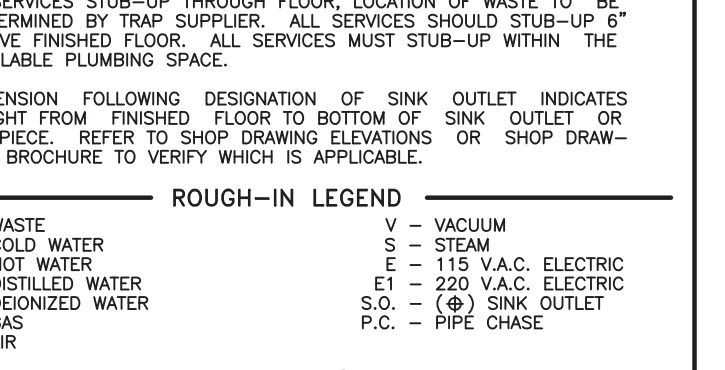
ELEVATION 43 (9/A0614)
QTY. 1 - ROOM 291



1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283
(1) ONE REQ'D. IN ROOM 291



ELEVATION 44 (9/A0614)
QTY. 1 - ROOM 283 AND 291



1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 289B

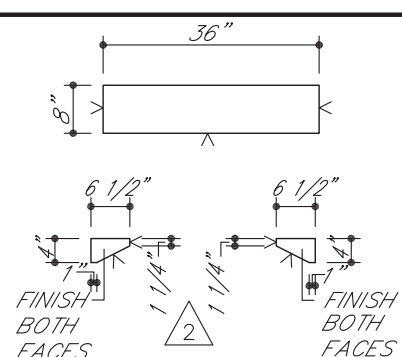
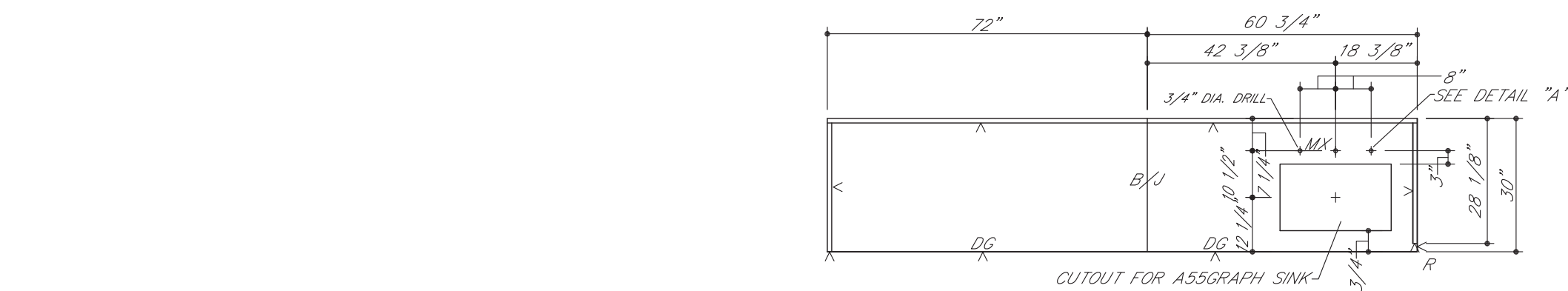


ELEVATION 45 (9/A0614)
QTY. 1 - ROOM 289B

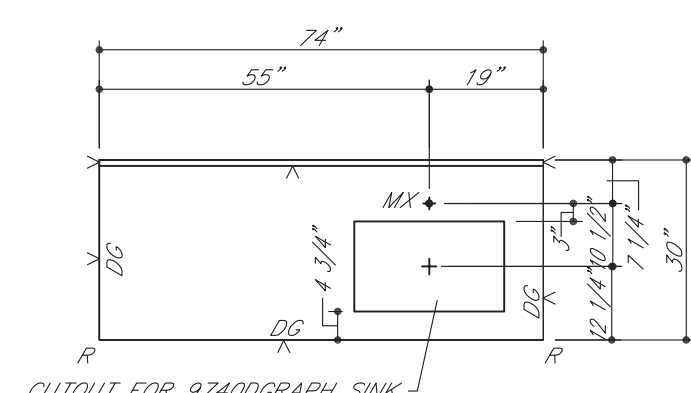


ELEVATION 46 (9/A0614)
QTY. 1 - ROOM 289B

	01.04.17 12.22.16	MAH MAH	REVISE/RESUBMIT REVISE/RESUBMIT
SYM	DATE	BY	REVISIONS
GENERAL NOTES FOR TOP LAYOUTS			
1.	ALL SINK CUTOPTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.		
2.	ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.		
3.	ALL NUMBERED CURBS TO BE SHIPPED LOOSE.		
4.	ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.		
5.	ALL SINK CORNERS FOR "DLKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.		
6.	ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.		
TOP LAYOUT LEGEND			
V	FINISH SURFACE AND RELIEVE EDGES		
R	RELIEVE CORNERS		
G	1-7/8" DRILL FOR GAS COCK		
G2	3-5/8" DRILL FOR GAS COCK PANEL MOUNTED		
A	1-7/8" DRILL FOR AIR COCK		
A2	3-5/8" DRILL FOR GAS COCK PANEL MOUNTED		
V	7/8" DRILL FOR VACUUM COCK		
V2	3-5/8" DRILL FOR GAS COCK PANEL MOUNTED		
E	1-1/8" DRILL FOR PEDESTAL ELECTRIC		
O	MARK EACH PIECE AS SHOWN		
DW	DRILL GROUND FOR DISTILLED WATER FAUCET		
CW	3/4" DRILL FOR COLD WATER FAUCET		
HW	3/4" DRILL FOR HOT WATER FAUCET		
HW2	7/8" DRILL FOR HOT WATER FAUCET		
DW	1-7/8" DRILL FOR DISTILLED WATER FAUCET		
CS	SEE CX DETAIL		
HS	1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET		
RS	1-1/8" DRILL FOR ROSS SOCKET		
FP	SEE FLUSH PLATE DETAIL		
HS	SEE VX DETAIL		
VX	SEE VX DETAIL		
SE	2-5/8" X 3-5/8" CUTOFF FOR SINGLE ELECTRIC		
DE	3-5/8" X 4-3/8" CUTOFF FOR DOUBLE ELECTRIC		
DI	7/8" DRILL FOR DEIONIZED WATER FIXTURE		
B/J	BUILT JOINT		
C.T.F.	CUT TO FIT AT JOBSITE		
IF VANDAL RESISTANT FIXTURES/FAUCETS ARE PROVIDED, REFERENCE DETAILS.			
GENERAL NOTES FOR ROUGH-IN			
1.	SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.		
2.	SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVEALS REQUIRED.		
3.	ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.		
4.	ONLY ITEMS TO BE SUPPLIED BY ICI ARE ROUGHED-IN.		
IF TRAPS ARE TO BE FURNISHED BY ICI			
1.	IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF WASTE, STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES TO BE APPROXIMATELY 18" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.		
2.	IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK OUTLET. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.		
3.	NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.		
IF TRAPS ARE TO BE FURNISHED BY OTHERS			
1.	IF SERVICES STUB-OUT THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 18" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.		
2.	IF SERVICES STUB-UP THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL SERVICES SHOULD STUB-UP 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.		
3.	DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR TAILPIECE. REFER TO SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE TO VERIFY WHICH IS APPLICABLE.		
ROUGH-IN LEGEND			
W	WASTE	V	VACUUM
CW	COLD WATER	S	STEAM
HW	HOT WATER	E	115 V.A.C. ELECTRIC
DW	DISTILLED WATER	ET	220 V.A.C. ELECTRIC
DI	DEIONIZED WATER	S.O.	(S) SINK OUTLET
A	AIR	P.C.	PIPE CHASE
ELEVATION LEGEND			
A.S.	ADJUSTABLE SHELF	M.S.	MASTERKEYED LOCK
LTH	3 PT. LATCHING HANDLE	F.S.	FIXED SHELF
LH	3 PT. LOCKING HANDLE	R/C/P	REAR CLOSURE PANEL
RMS	REVOLVING METAL SHELF	F/C/P	FRONT CLOSURE PANEL
P.S.	PULL OUT SHELF	F	FILLER
ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS V.A. AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN, MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.			
INSTITUTIONAL CASEWORK INC. 1865 North Market Street Paris, TN 38242 (731) 642-4251			
EQUIP. ELEVATIONS & TOP L.O. WEBSTER UNIVERSITY WEBSTER GROVES, MO			
DIST. CARROLL SEATING		JOB NO. 044.379	
DRN. BY C. MARTIN		CKD. BY	
DATE 09/26/16		DWG. NO. 044.379C3	
SCALE 3/8" = 1'-0"		SHEET 5 OF 6	

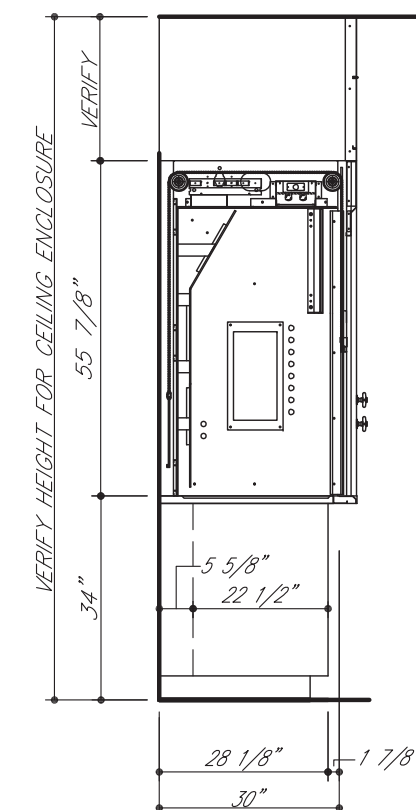


1" GRAPHITE EPOXY RESIN
PEGBOARD SHELF ASS'Y
(1) ONE REQ'D.

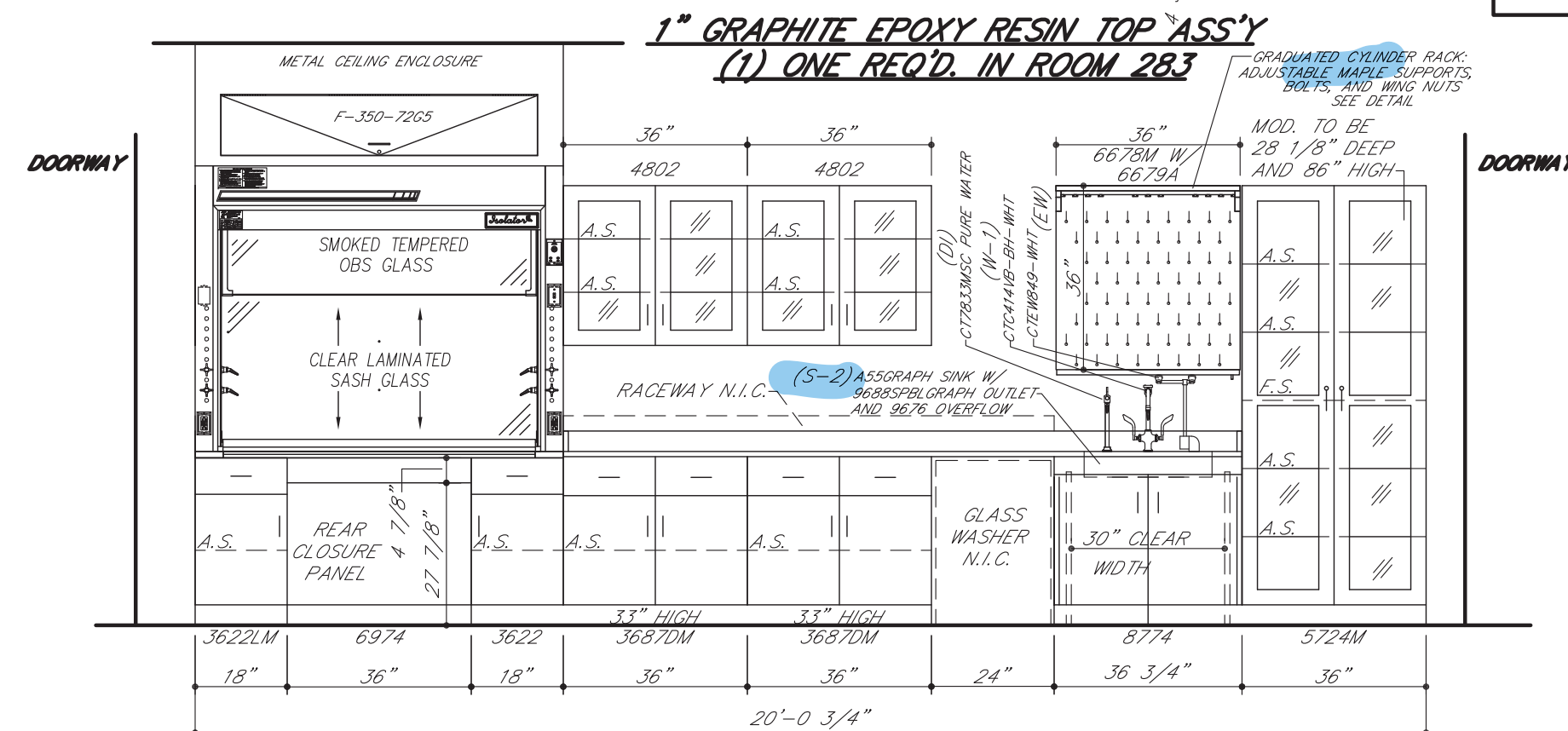


CUTOUT FOR 97400GRAPH SINK

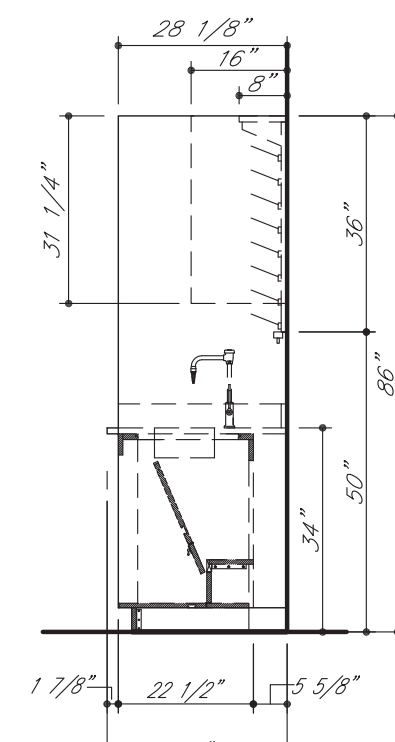
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 283



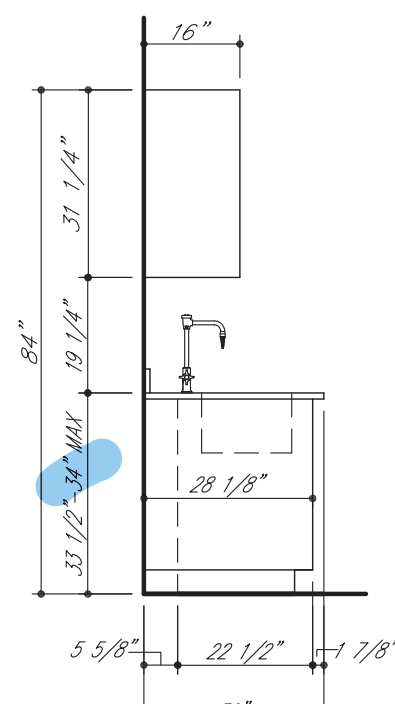
END VIEW



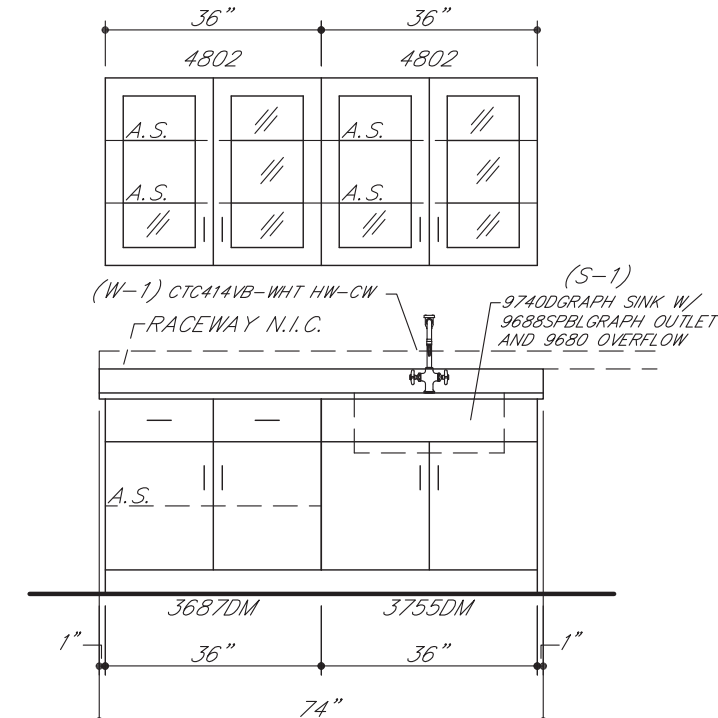
ELEVATION 33 (2/A0614) EYEWASH PROVIDED WITH AP3600
QTY. 1 - ROOM 283 THERMOSTATIC MIXING VALVE UNIT



END VIEW



END VIEW



ELEVATION 34 (1/A0614)

QTY. 1 - ROOM 283

 	01.04.17 12.22.16	MAH MAH	REVISE/RESUBMIT REVISE/RESUBMIT
SYM	DATE	BY	REVISIONS

GENERAL NOTES FOR TOP LAYOUTS

1. ALL SINK CUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.
2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
3. ALL NUMBERED CURBS TO BE SHIPPED LOOSE.
4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
5. ALL SINK CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
6. ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.

TOP LAYOUT LEGEND

R - REMOVE
R - REMOVE PLUGS AND NUTS, EJECT
R - REMOVE CORNERS
C - 7/8" DRILL FOR GAS COCK
C - 3/4" DRILL FOR GAS COCK PANEL, MOUNTED
A - 7/8" DRILL FOR AIR COCK
A2 - 3/4" DRILL FOR AIR COCK PANEL, MOUNTED
A2 - 7/8" DRILL FOR VACUUM COCK
V2 - 3/4" DRILL FOR VACUUM COCK PANEL, MOUNTED
V2 - 7/8" DRILL FOR VACUUM COCK PANEL, MOUNTED
C - MARK EACH PIECE AS SHOWN
C - 1-1/8" DRILL FOR PERFECT FIT
C - GROOVE IN CUP
CW - 3/4" DRILL FOR COLD WATER FAUCET
CW2 - 7/8" DRILL FOR COLD WATER FAUCET
HW - 3/4" DRILL FOR HOT WATER FAUCET
HW2 - 7/8" DRILL FOR HOT WATER FAUCET
D - 7/8" DRILL FOR DISTILLED WATER FAUCET
C - SEE C.D. DETAIL
M - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET
H - 1-1/8" DRILL FOR HOT ROCKET
FP - SEE FLUSH PLATE DETAIL
H - SEE H.D. DETAIL
V - SEE V.D. DETAIL
S - 2-3/8" X 3-5/8" CUTOFF FOR SINGLE ELECTRIC
S2 - 3-5/8" X 4-3/8" CUTOFF FOR DOUBLE ELECTRIC
D - 7/8" DRILL FOR DEIONIZED WATER FIBURE
B/C - BUTT JOINT
C.T.F. - CUT TO FIT AT JOBSITE

GENERAL NOTES FOR ROUGH-IN

1. SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.
2. SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVENTS REQUIRED.
3. ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.
4. ONLY ITEMS TO BE SUPPLIED BY **ICI** ARE ROUGHED-IN.

IF TRAPS ARE TO BE FURNISHED

- BY ICI
1. IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SERVICE. MINIMUM AND MAXIMUM HEIGHT OF WASTE STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES TO BE APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL OTHER SERVICES SHOULD BE APPROXIMATELY 16" ABOVE APART. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
 2. IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED DIRECTLY IN SINK OUTLET. OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" ABOVE. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
- NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE CONSIDERED CORRECT AND GREASE TRAP SHALL BE INSTALLED.

IF TRAPS ARE TO BE FURNISHED

- BY OTHERS**
1. IF SERVICES STUB-OUT THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
 2. IF SERVICES STUB-UP THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL SERVICES SHOULD STUB-UP 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
 3. DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR SHOP DRAWING REFERENCE TO VERIFY WHICH IS APPLICABLE.

- ROUGH-IN LEGEND

W - WASTE	V - VACUUM
CW - COLD WATER	S - STEAM
HW - HOT WATER	E - 115 V.A.C. ELECTRIC
DW - DISTILLED WATER	E1 - 220 V.A.C. ELECTRIC
DI - DEIONIZED WATER	S.O. - (Φ) SINK OUTLET
G - GAS	P.C. - PIPE CHASE
A - AIR	

ELEVATION LEGEND

A.S. - ADJUSTABLE SHELF
LTH - 3 PT. LATCHING HANDLE
LKH - 3 PT. LOCKING HANDLE
RMS - REVOLVING METAL SHELF
P.S. - PULL OUT SHELF

* - MASTERKEYED LOCK
F.S. - FIXED SHELF
R/C/P - REAR CLOSURE PANEL
F/C/P - FRONT CLOSURE PANEL
F - FILLER

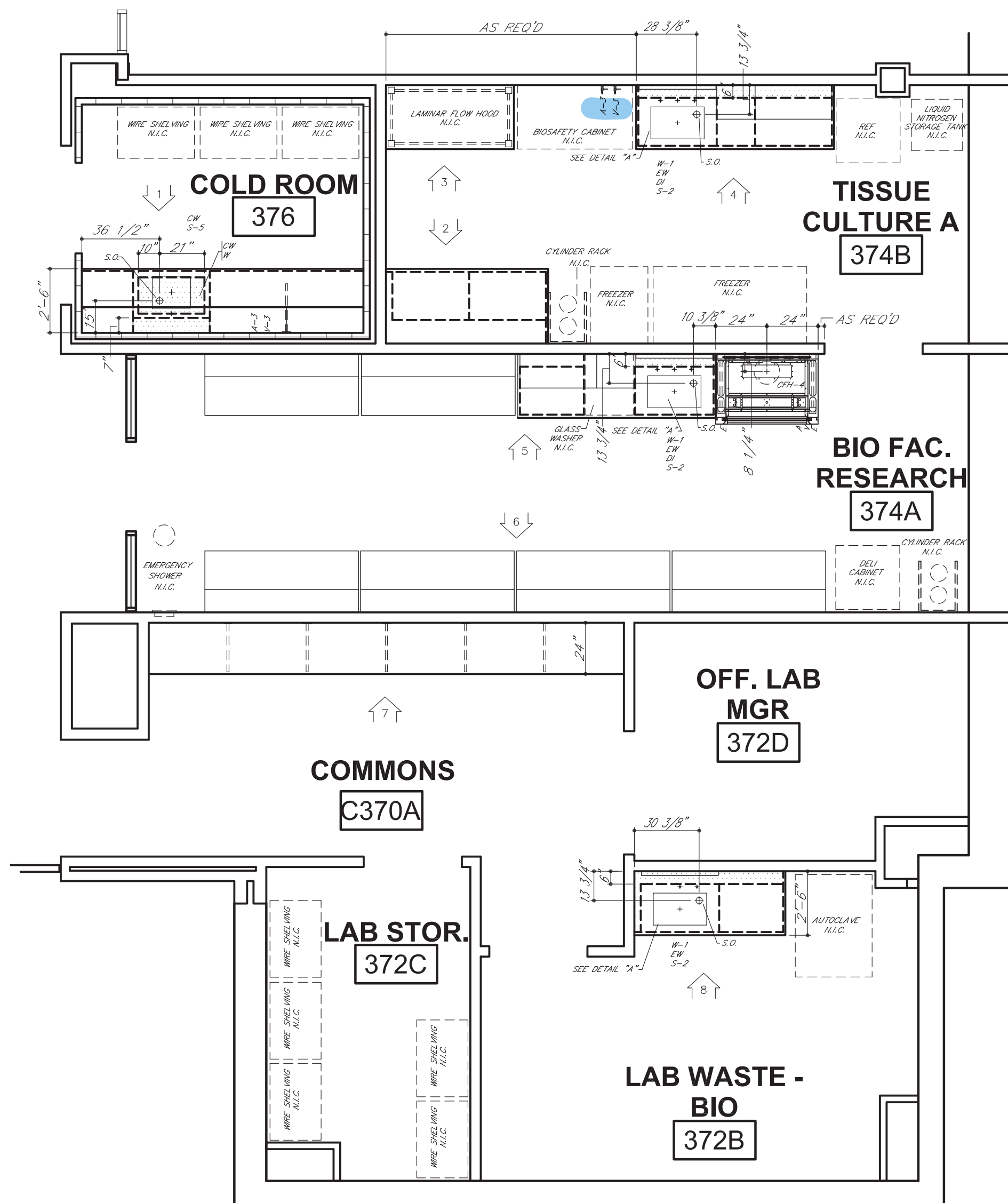
ROUGH-IN IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGH-INS THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY MADE BY THOSE DOING THE WORK. ANY CHANGES ARE THE RESPONSIBILITY OF THOSE FROM THE ROUGH-IN SHOWN MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.



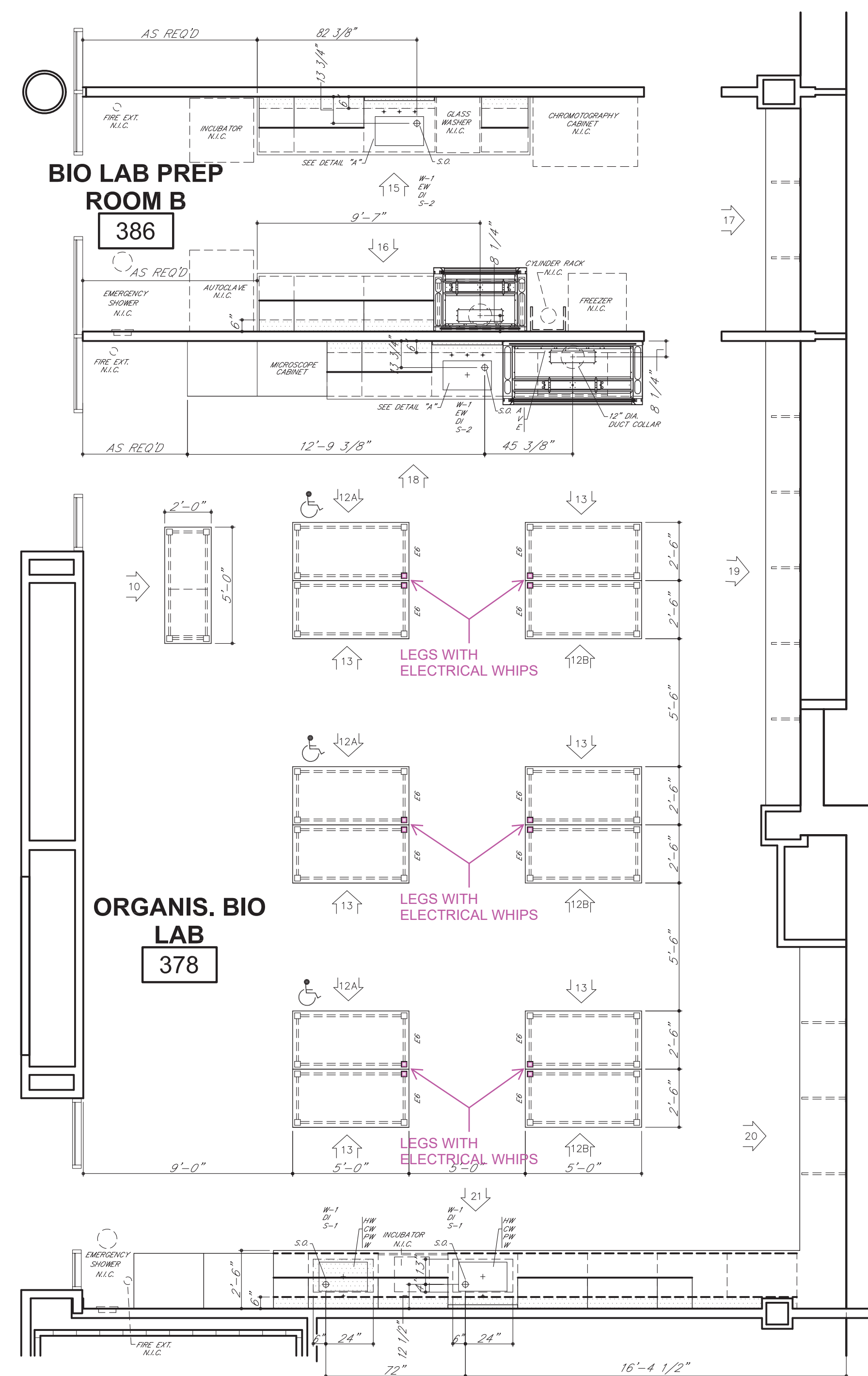
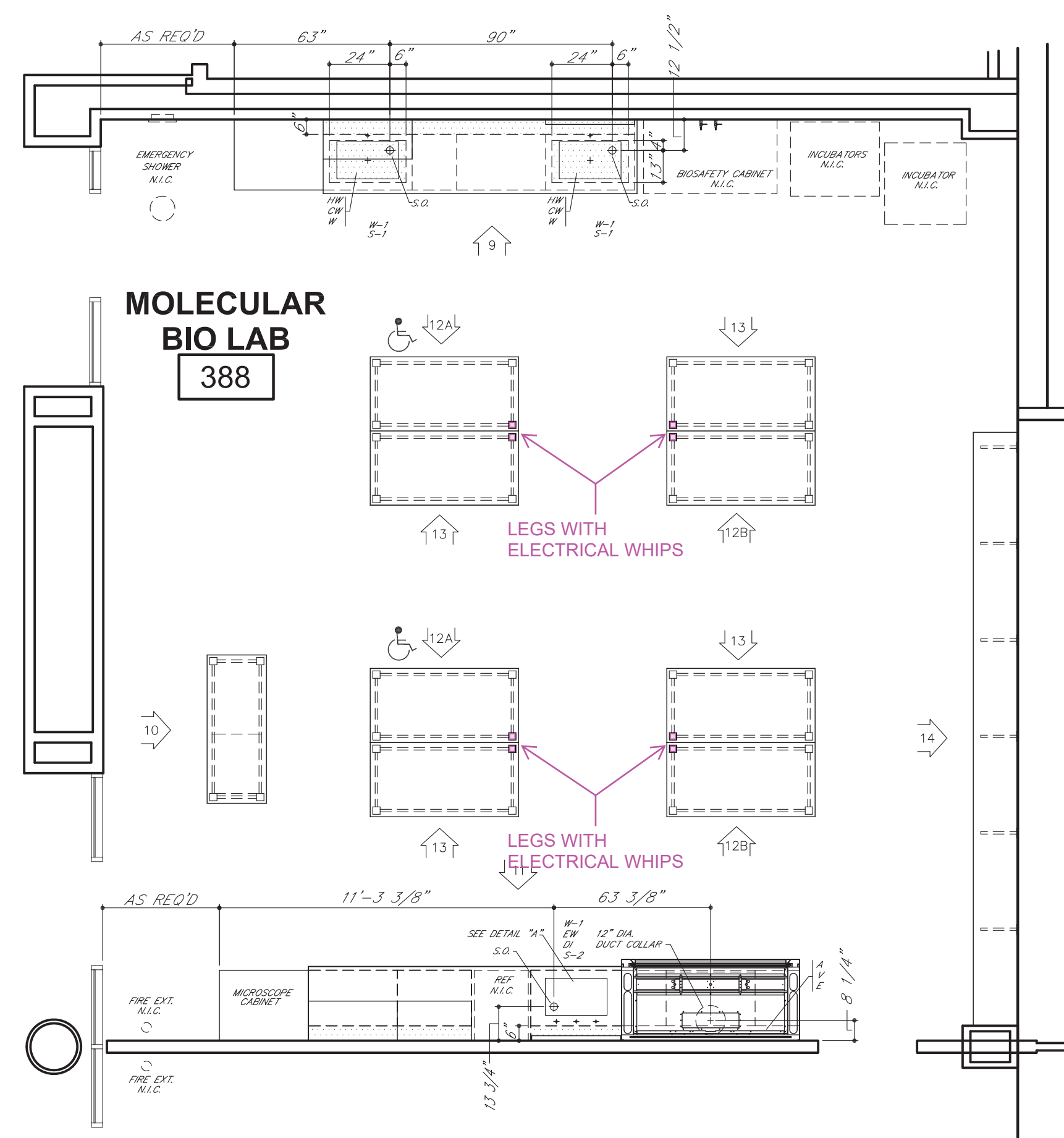
INSTITUTIONAL CASEWORK INC
1865 North Market Street
Paris, TN 38242
(731) 642-4251

EQUIP. ELEVATIONS & TOP L.O.
WEBSTER UNIVERSITY
WEBSTER GROVES, MO

DIST. <i>CARROLL SEATING</i>	JOB NO. <i>04437B</i>
DRN. BY <i>C. MARTIN</i>	CKD. BY
DATE <i>09/26/16</i>	DWG. NO. <i>04437BE4</i>
SCALE <i>3/8" = 1'-0"</i>	SHEET <i>6</i> OF <i>6</i>



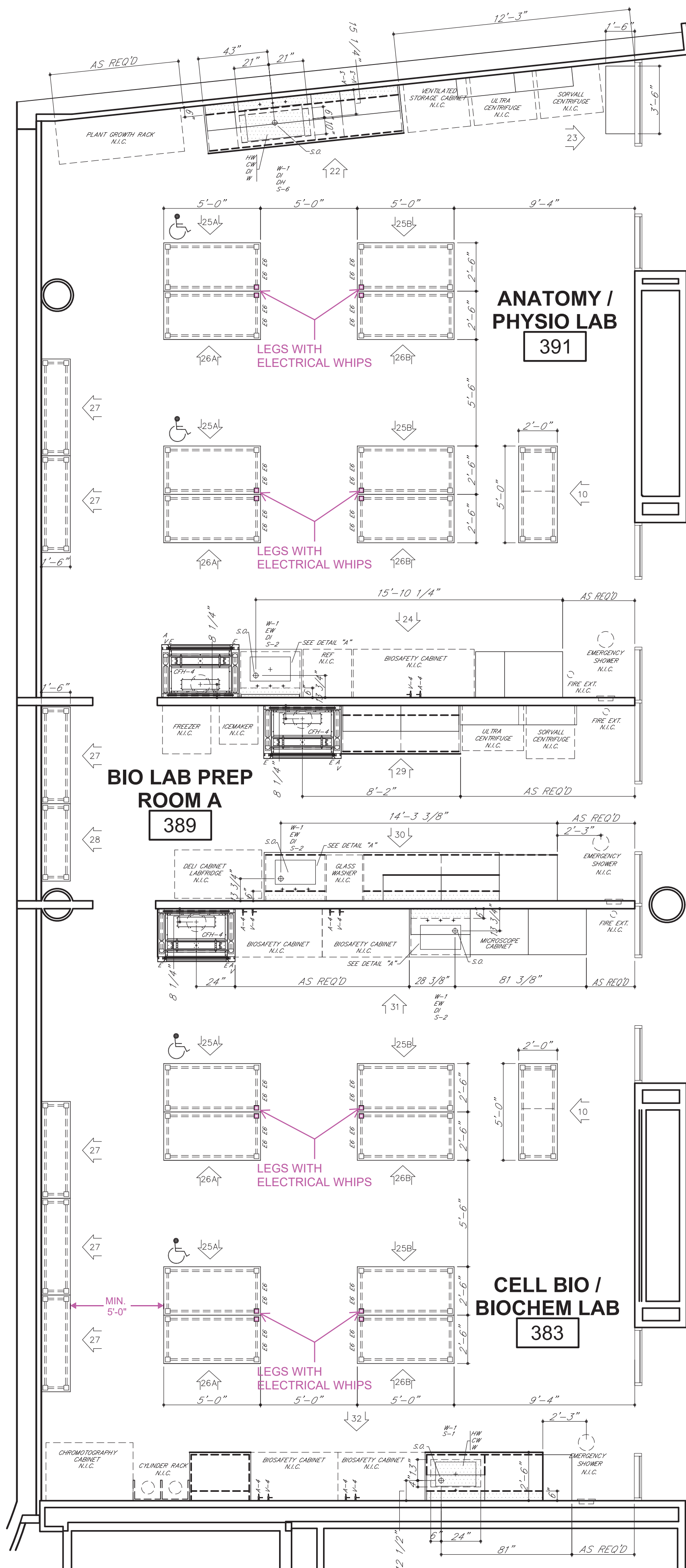
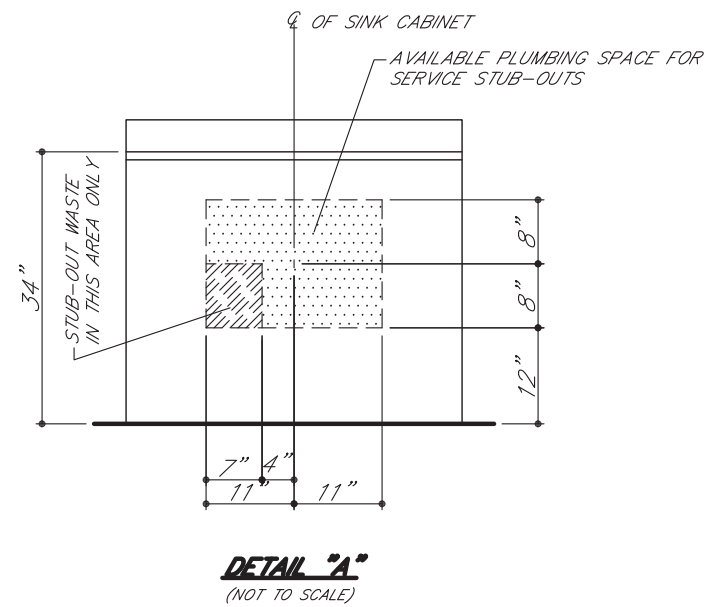
PARTIAL FLOOR PLAN
LEVEL 03 - AREA A- EAST SIDE
SOUTH



PARTIAL FLOOR PLAN
LEVEL 03 - AREA A- EAST SIDE
NORTH



Δ	01.04.17	MAH	REVISE/RECOMMIT
Δ	12.22.16	MAH	REVISE/RECOMMIT
SYM	DATE	BY	REVISIONS
GENERAL NOTES FOR TOP LAYOUTS			
1. ALL SINK CUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.			
2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.			
3. ALL NUMBERED CORNERS TO BE SHIPPED LOOSE.			
4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT TO CORNER OR UP TO 1/2" RADIUS.			
5. ALL SINK CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.			
6. ALL CURBS TO BE 4" HIGH. UNLESS NOTED OTHERWISE.			
TOP LAYOUT LEGEND			
V - FINISH SURFACE AND RELIEVE EDGES			
W - 7/8" DRILL FOR GAS COCK			
G2 - 3/4" DRILL FOR GAS COCK PANEL MOUNTED			
A - 7/8" DRILL FOR AIR COCK			
V2 - 3/4" DRILL FOR AIR COCK PANEL MOUNTED			
V1 - 7/8" DRILL FOR VACUUM COCK			
A2 - 3/4" DRILL FOR VACUUM COCK PANEL MOUNTED			
E - 1-1/8" DRILL FOR PEDUSTEAL, ELECTRIC			
SC - 3/4" DRILL FOR SCREW PLATE			
D - DRILL GROOVE ON BOTTOM SIDE			
CW - 3/4" DRILL FOR COLD WATER FAUCET			
CW2 - 7/8" DRILL FOR COLD WATER FAUCET			
HW - 3/4" DRILL FOR HOT WATER FAUCET			
W2 - 7/8" DRILL FOR HOT WATER FAUCET			
WD - 7/8" DRILL FOR DISTILLED WATER FAUCET			
SE - SEE DETAIL			
MX - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET			
RS - 1-1/8" DRILL FOR ROD SOCKET			
PS - USE HIGH PLATE DETAIL			
HX - SEE HX DETAIL			
VY - SEE VY DETAIL			
SE - 2-3/8" X 1-5/8" CUTOUT FOR DOUBLE ELECTRIC			
SD - 2-3/8" X 4-3/8" CUTOUT FOR SINGLE ELECTRIC			
D2 - 3/4" DRILL FOR DEIONIZED WATER FUTURE			
B/A - BUTT JUNT			
CUT - CUT TO FIT AT JOBSITE			
IF AVAILABLE RESISTANT FIXTURES/FACETS ARE PROVIDED, REFERENCE DETAILS.			
GENERAL NOTES FOR ROUGH-IN			
1. SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.			
2. SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY SENTS OR REVENTS REQUIRED.			
3. ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.			
4. ONLY ITEMS TO BE SUPPLIED BY ICI ARE ROUGH-IN.			
IF TRAPS ARE TO BE FURNISHED			
BY ICI			
1. IF SERVICES SUB-UT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT FROM SUB-UT TO APPROXIMATELY 16" ABOVE FINISHED FLOOR.			
2. IF SERVICES SUB-UT THROUGH FLOOR, WASTE SHOULD BE LOCATED APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 4" ABOVE FINISHED FLOOR. ALL SERVICES MUST SUB-UT WITHIN THE AVAILABLE PLUMBING SPACE.			
3. NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATION. SHOP DRAWING AUTHORITY FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS OTHERWISE NOTED OTHERWISE.			
IF TRAPS ARE TO BE FURNISHED			
BY OTHERS			
1. IF SERVICES SUB-UT THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES MUST SUB-UT APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL SERVICES MUST SUB-UT WITHIN THE AVAILABLE PLUMBING SPACE.			
2. IF SERVICES SUB-UT THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. AUTHORITY FOR EACH SINK UNIT. 16" ABOVE FINISHED FLOOR. ALL SERVICES MUST SUB-UT WITHIN THE AVAILABLE PLUMBING SPACE.			
3. DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR TAPLICE. REFER TO SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURES TO WHICH THIS IS APPLICABLE.			
ROUGH-IN LEGEND			
W - WASTE	V - VACUUM		
CW - COLD WATER	S - STEAM		
HW - HOT WATER	E - 115 VAC. ELECTRIC		
WD - DISTILLED WATER	E1 - 220 VAC. ELECTRIC		
D - DEIONIZED WATER	S.O. - 0.6 MICRON		
G - GAS	P - PIPE CHASE		
ELEVATION LEGEND			
A.S. - ADJUSTABLE SHELVE	F.S. - MASTERKEYED LOCK		
L.H. - LATCHING HANDLE	R/F - PANEL		
LWS - 3 PLY LOCKING HANDLE	R/C/P - REAR CLOSURE PANEL		
RWS - REVOLTING METAL SHELVE	F - FRONT CLOSURE PANEL		
P.S. - PULL SINK UNIT SHELVE	FILLER		
ROUGH-IN IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE THE SHOWN IN THE AREA OF THE SINK AS TO PLUMBING SPACE OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE INTERPRETED AS CONTRACT DOCUMENTS. ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS AHEAD OF THE ROUGH-IN SHALL BE THE RESPONSIBILITY OF THE ARCHITECT. ANY VARIATIONS FROM THE ROUGH-IN SHOWN MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT. RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.			



PARTIAL FLOOR PLAN
LEVEL 03 - AREA A- WEST SIDE



SYM	DATE	BY	REVISIONS
Δ	01.04.17	MAH	REVISE/RESUBMIT
Δ	12.22.16	MAH	REVISE/RESUBMIT

- GENERAL NOTES FOR TOP LAYOUTS**
1. ALL SINK CUTOUPS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.
 2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
 3. ALL NUMBERED CURBS TO BE SHIPPED LOOSE.
 4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
 5. ALL SINK CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
 6. ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.

- GENERAL NOTES FOR TOP LAYOUTS**
- LEGEND**
- V - FINISH SURFACE AND RELIEVE EDGES
R - RELIEVE CORNERS
G - 7/8" DRILL FOR GAS COCK
G2 - 3/4" DRILL FOR GAS COCK PANEL MOUNTED
A - 7/8" DRILL FOR AIR COCK
A2 - 3/4" DRILL FOR AIR COCK PANEL MOUNTED
V - 7/8" DRILL FOR VACUUM COCK
V2 - 3/4" DRILL FOR VACUUM COCK PANEL MOUNTED
E - 1-1/8" DRILL FOR PEDESTAL ELECTRIC
O - MARK EACH PIECE AS SHOWN
OG - DRIP GROOVE ON BOTTOM SIDE
CW - 3/4" DRILL FOR COLD WATER FAUCET
CW2 - 7/8" DRILL FOR COLD WATER FAUCET
HW - 3/4" DRILL FOR HOT WATER FAUCET
HW2 - 7/8" DRILL FOR HOT WATER FAUCET
DW - 7/8" DRILL FOR DISTILLED WATER FAUCET
CX - SEE CX DETAIL
MX - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET
RS - 1-1/8" DRILL FOR ROD SOCKET
FP - SEE FLUSH PLATE DETAIL
HX - SEE HX DETAIL
VX - SEE VX DETAIL
SE - 2-3/8" X 3-5/8" CUTOFF FOR SINGLE ELECTRIC
DE - 3-5/8" X 4-3/8" CUTOFF FOR DOUBLE ELECTRIC
DI - 7/8" DRILL FOR DEIONIZED WATER FIXTURE
B/J - BUTT JOINT
C.T.F. - CUT TO FIT AT JOBSITE
IF VANDAL RESISTANT FIXTURES/FAUCETS ARE PROVIDED, REFERENCE DETAILS.

- GENERAL NOTES FOR ROUGH-IN**
1. SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.
 2. SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVENTS REQUIRED.
 3. ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.
 4. ONLY ITEMS TO BE SUPPLIED BY ICI ARE ROUGHED-IN.

- IF TRAPS ARE TO BE FURNISHED BY ICI**
1. IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF WASTE, STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES TO BE APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 3" APART. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
 2. IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK OUTLET. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
 3. NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.

- IF TRAPS ARE TO BE FURNISHED BY OTHERS**
1. IF SERVICES STUB-OUT THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
 2. IF SERVICES STUB-UP THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL SERVICES SHOULD STUB-UP 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
 3. DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR TAILPIECE. REFER TO SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE TO VERIFY WHICH IS APPLICABLE.

- ROUGH-IN LEGEND**
- W - WASTE
CW - COLD WATER
HW - HOT WATER
DW - DISTILLED WATER
DI - DEIONIZED WATER
G - GAS
A - AIR
V - VACUUM
S - STEAM
E - 115 V.A.C. ELECTRIC
ET - 220 V.A.C. ELECTRIC
S.O. - (S) SINK OUTLET
P.C. - PIPE CHASE

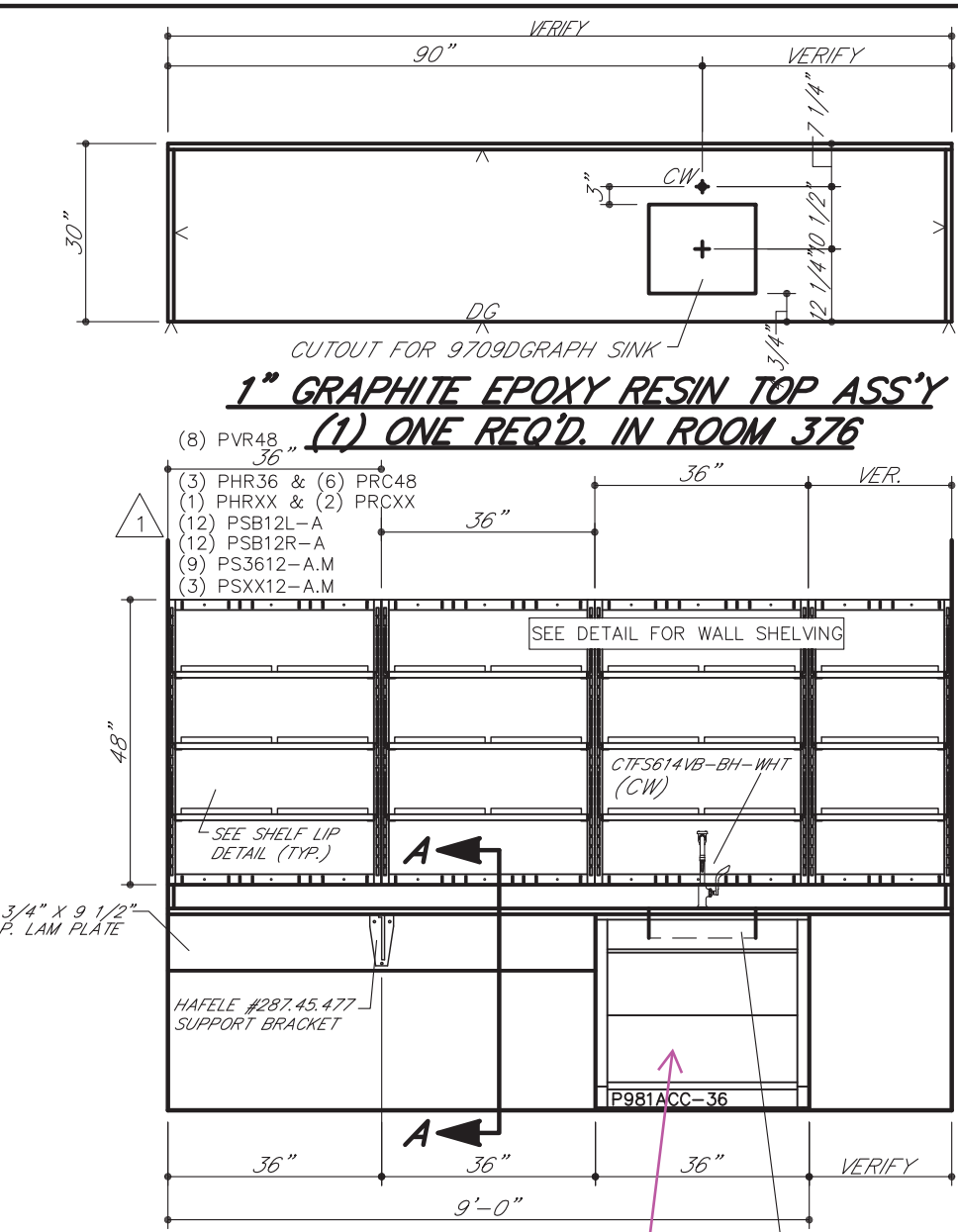
- ELEVATION LEGEND**
- AS - ADJUSTABLE SHELF
LTH - 3 FT. LATCHING HANDLE
LWH - 3 FT. LOCKING HANDLE
RMS - REVOLVING METAL SHELF
P.S. - PULL OUT SHELF
M - MASTERKEY LOCK
F.S. - FIXED SHELF
R/C/P - REAR CLOSURE PANEL
F/C/P - FRONT CLOSURE PANEL
F - FILLER

ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRICAL JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUBCONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.

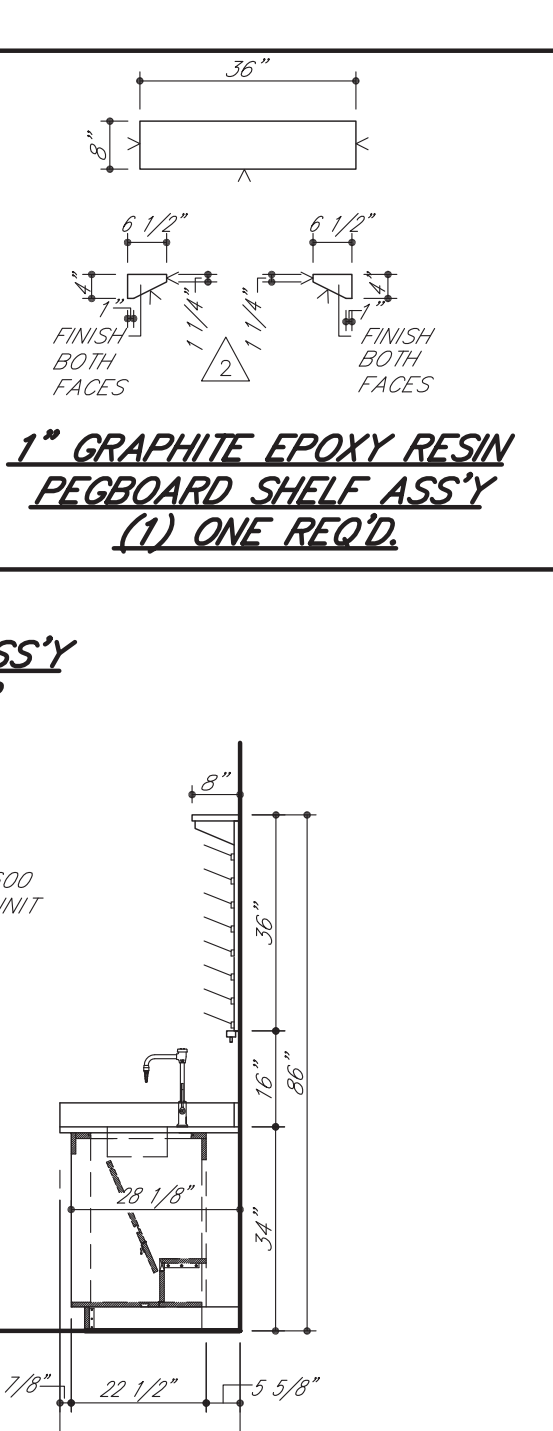
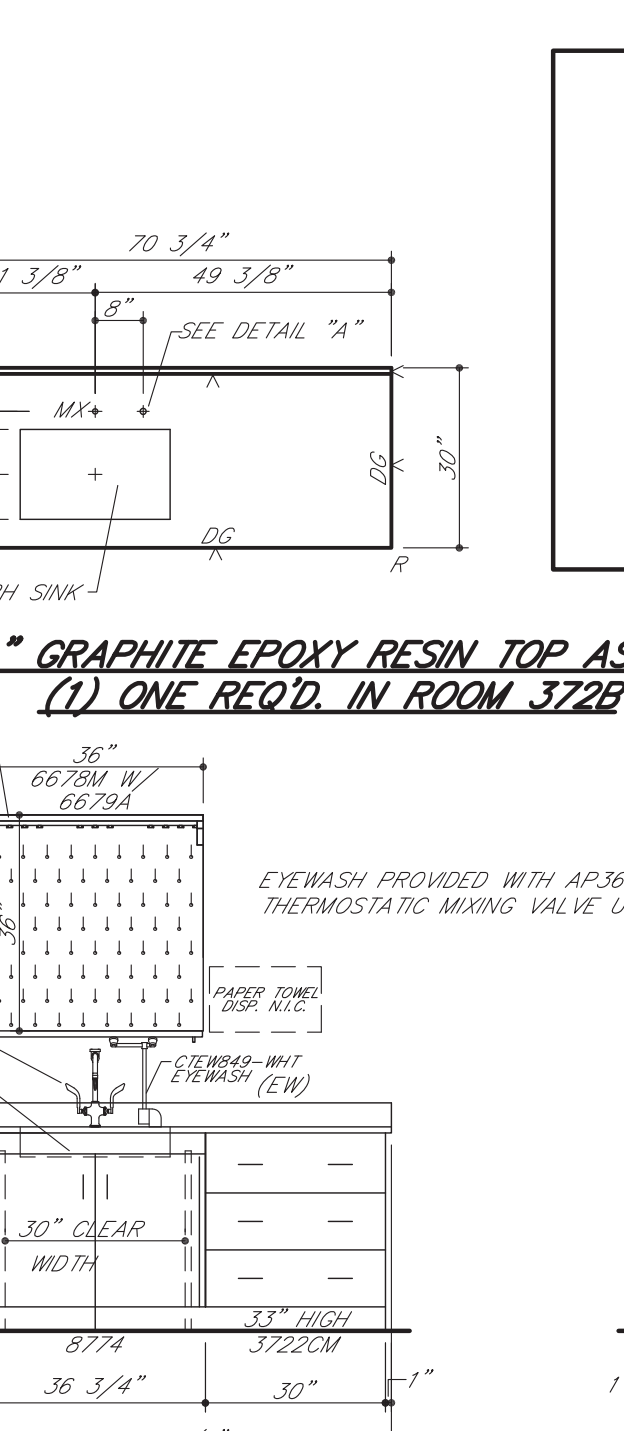
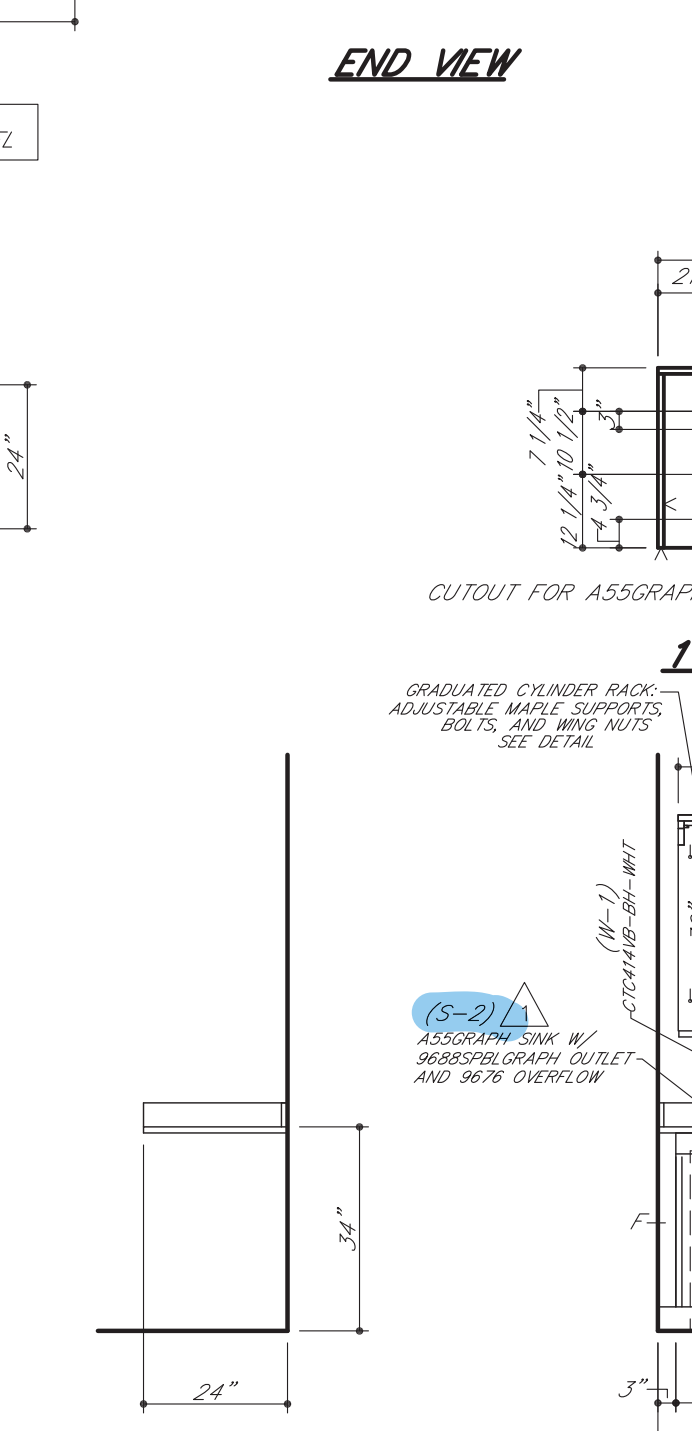
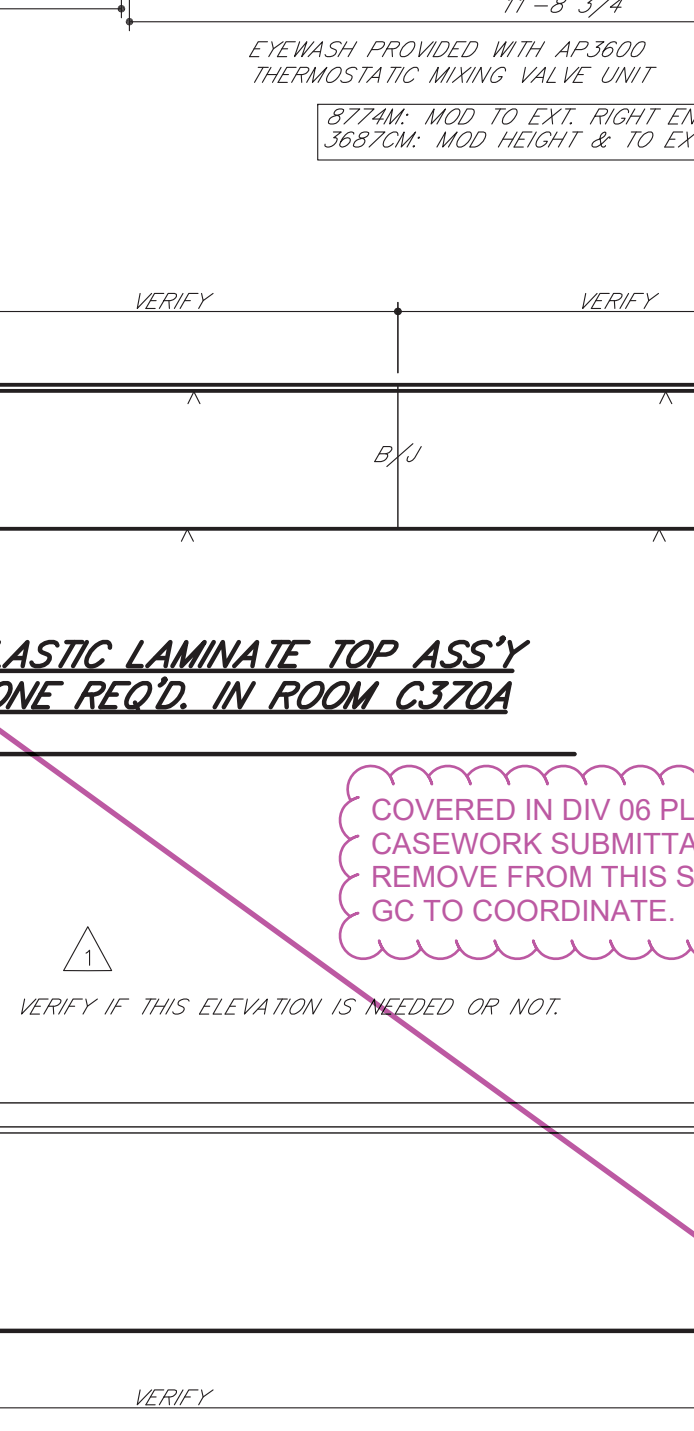
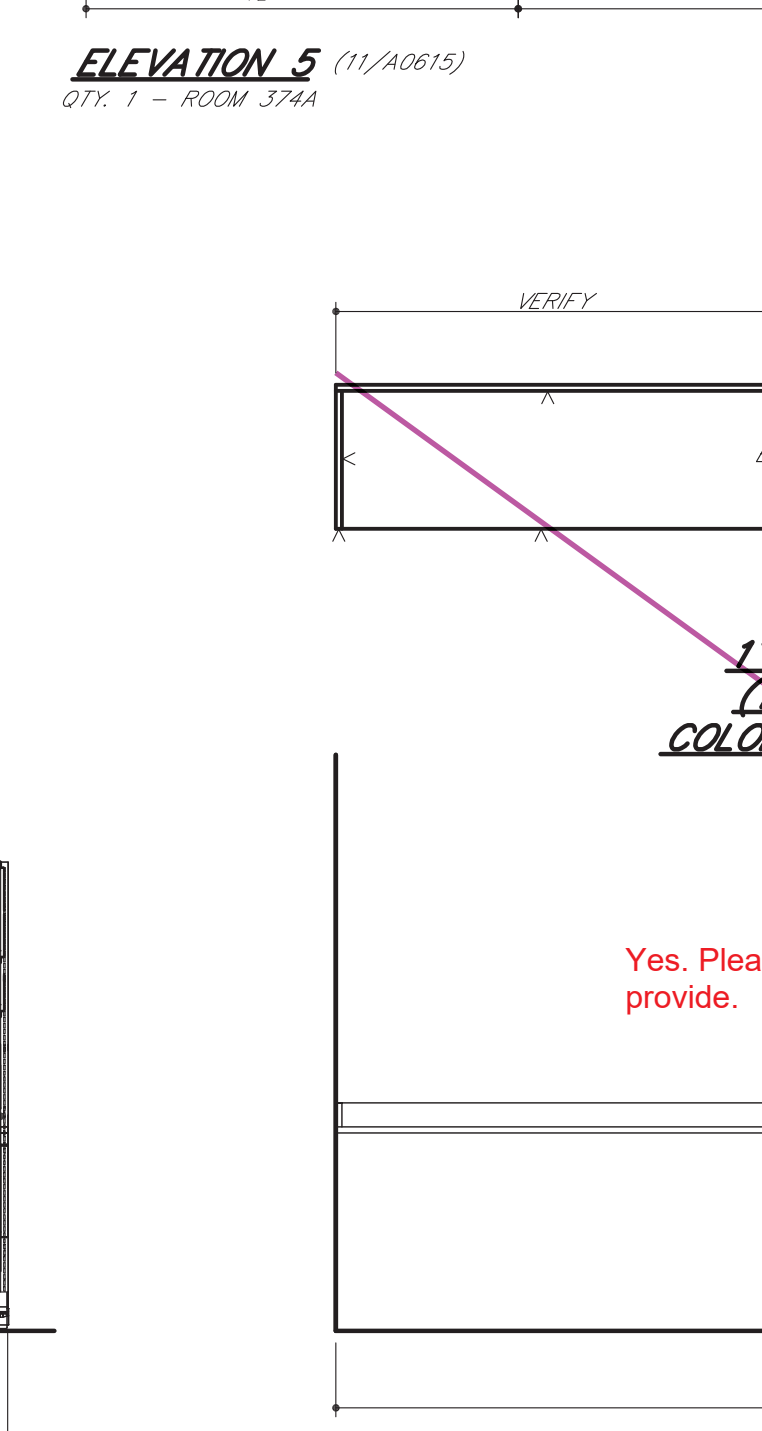
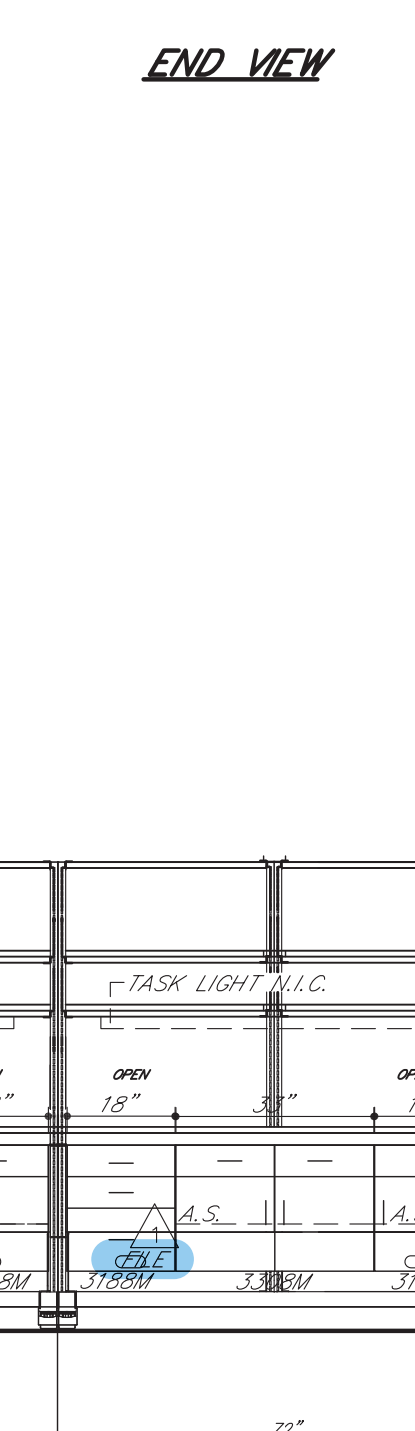
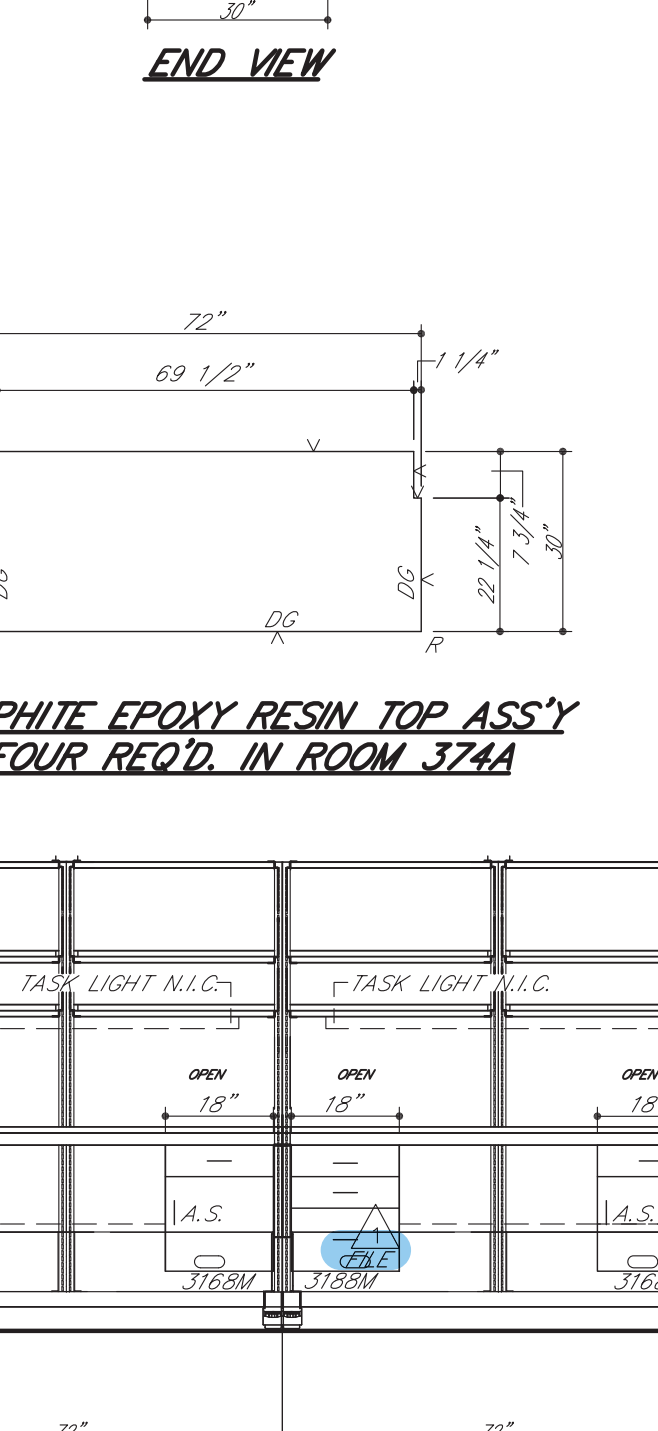
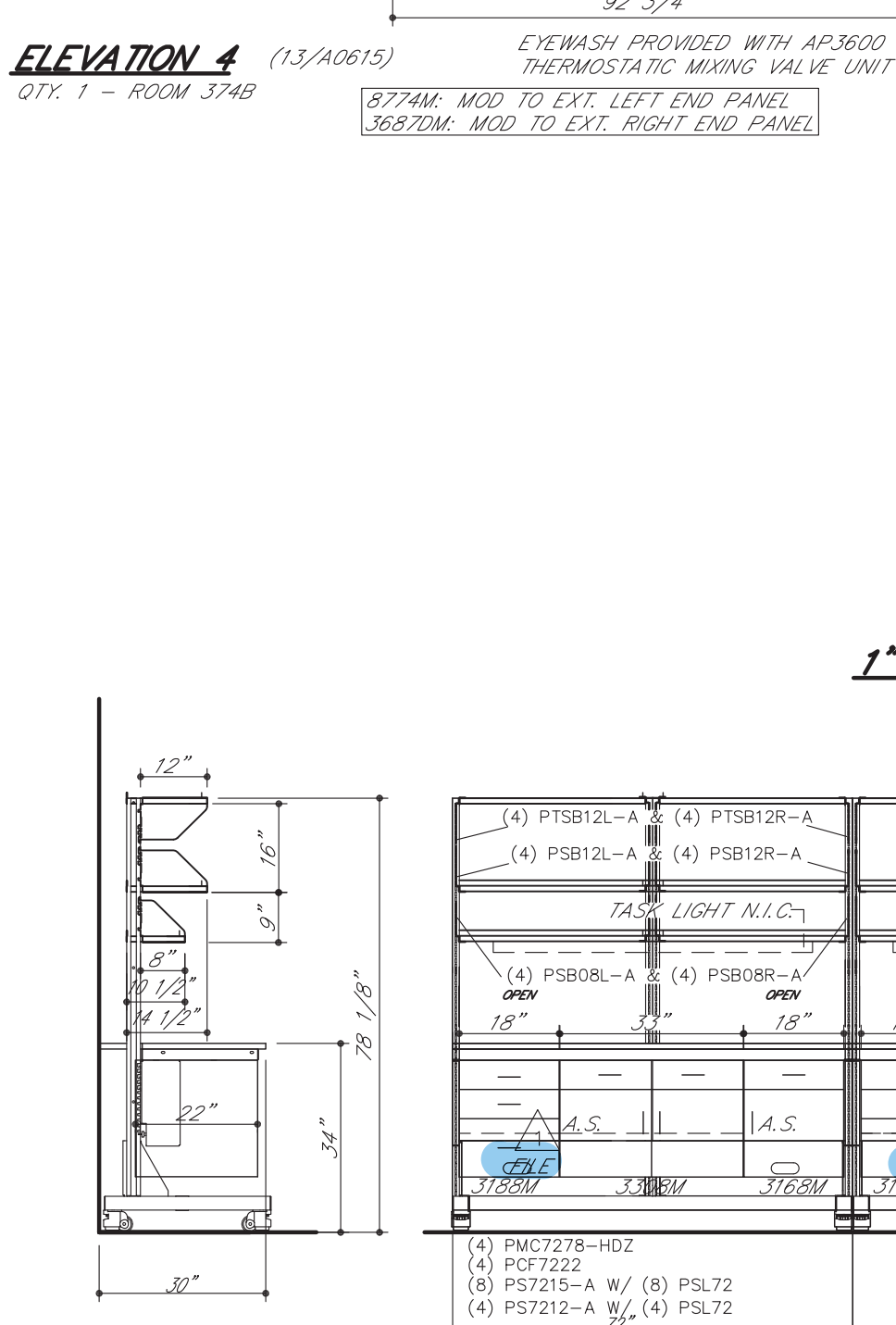
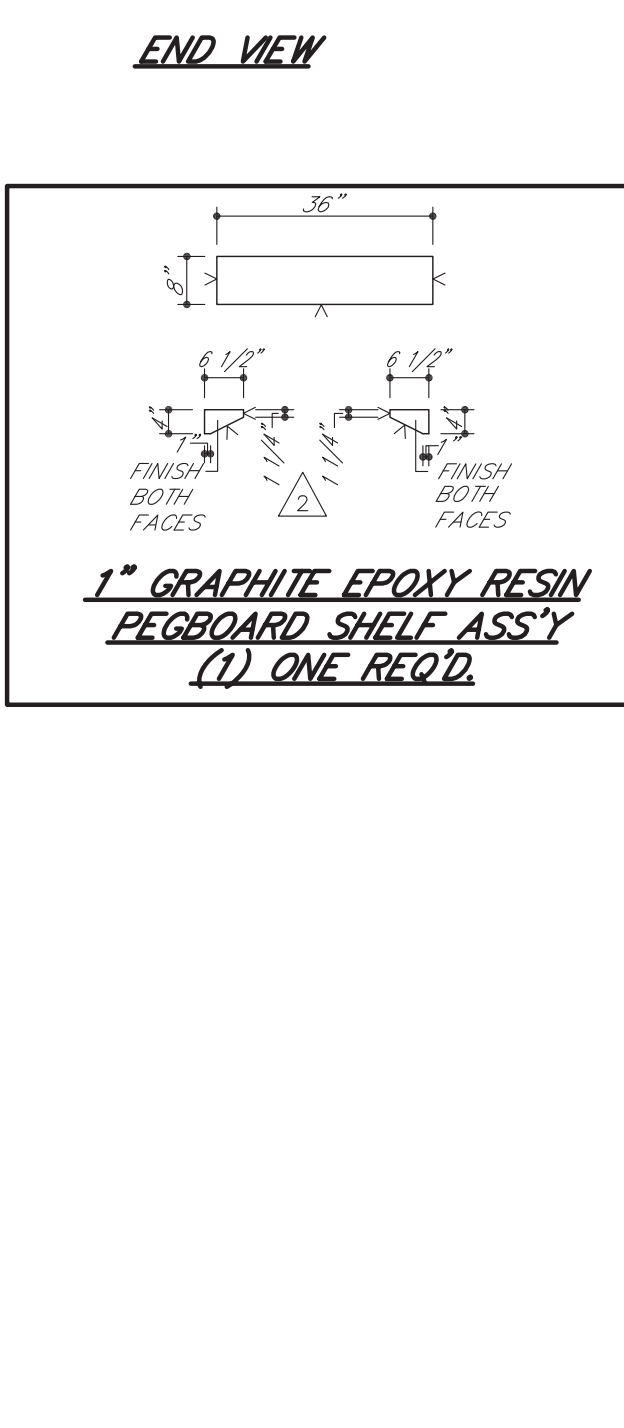
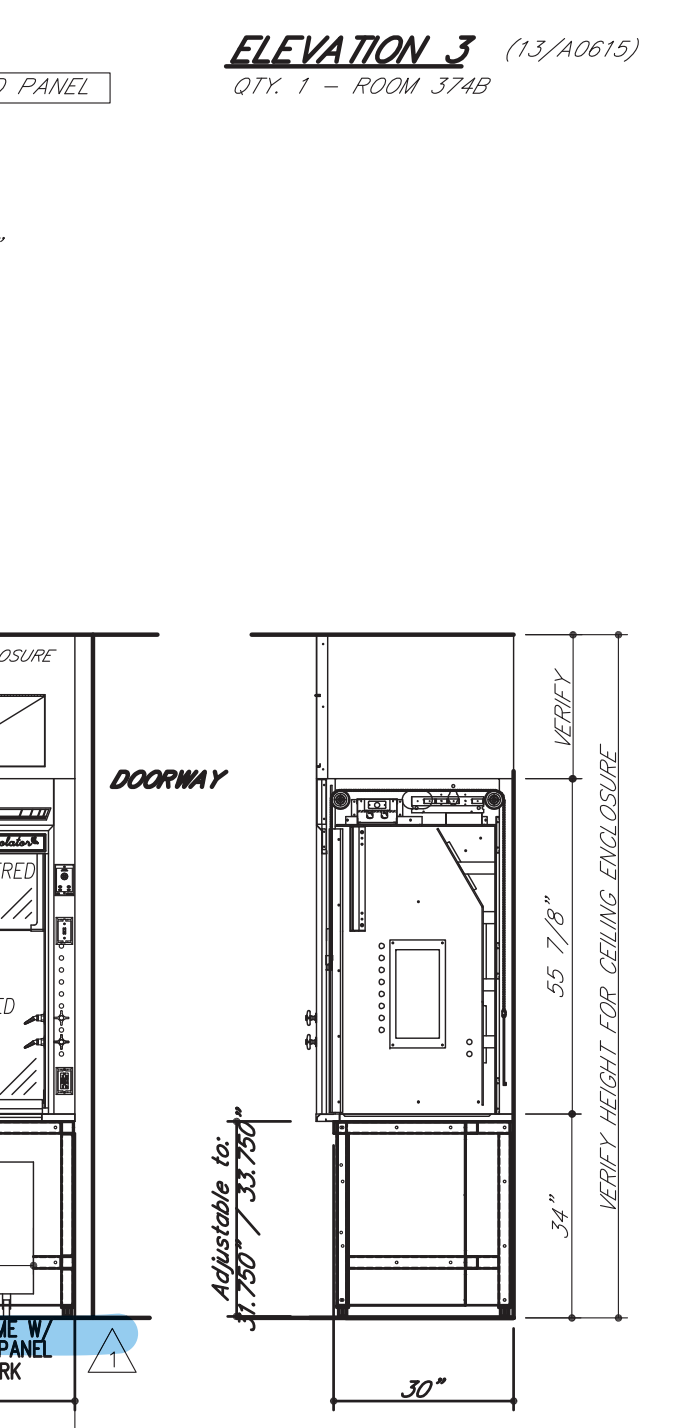
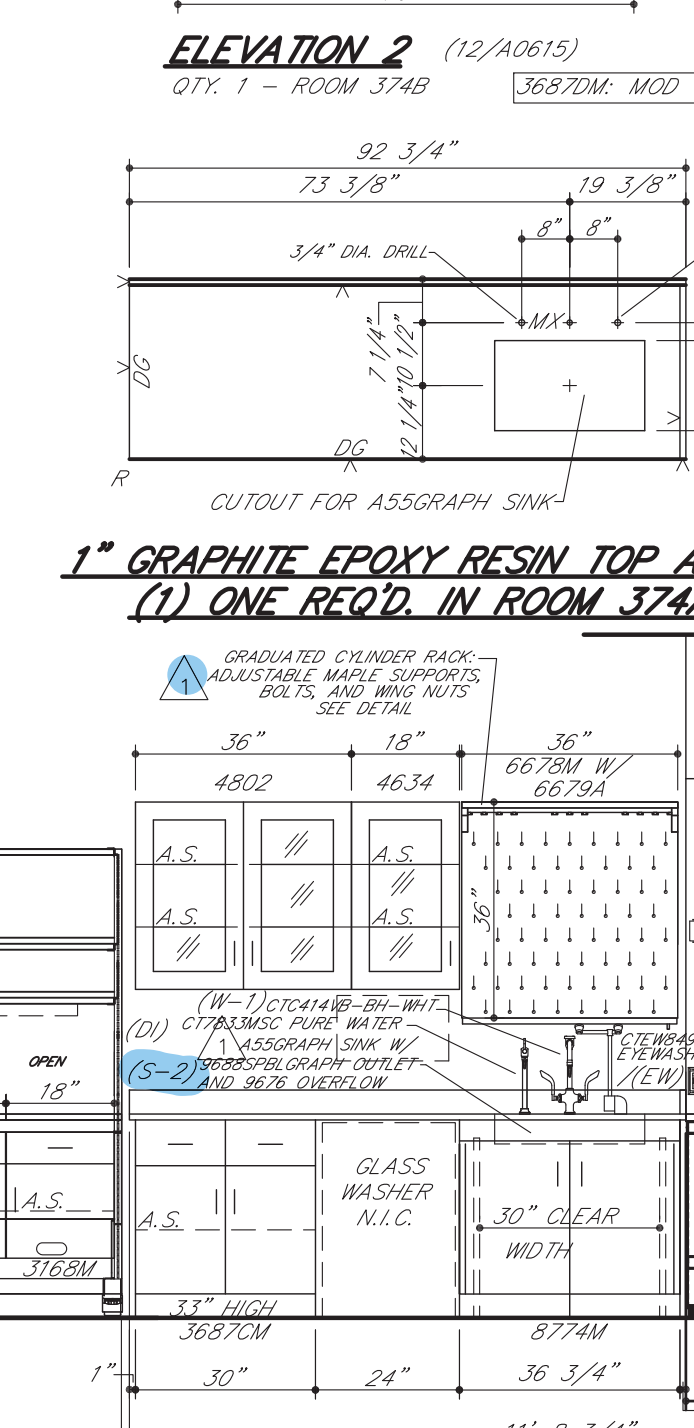
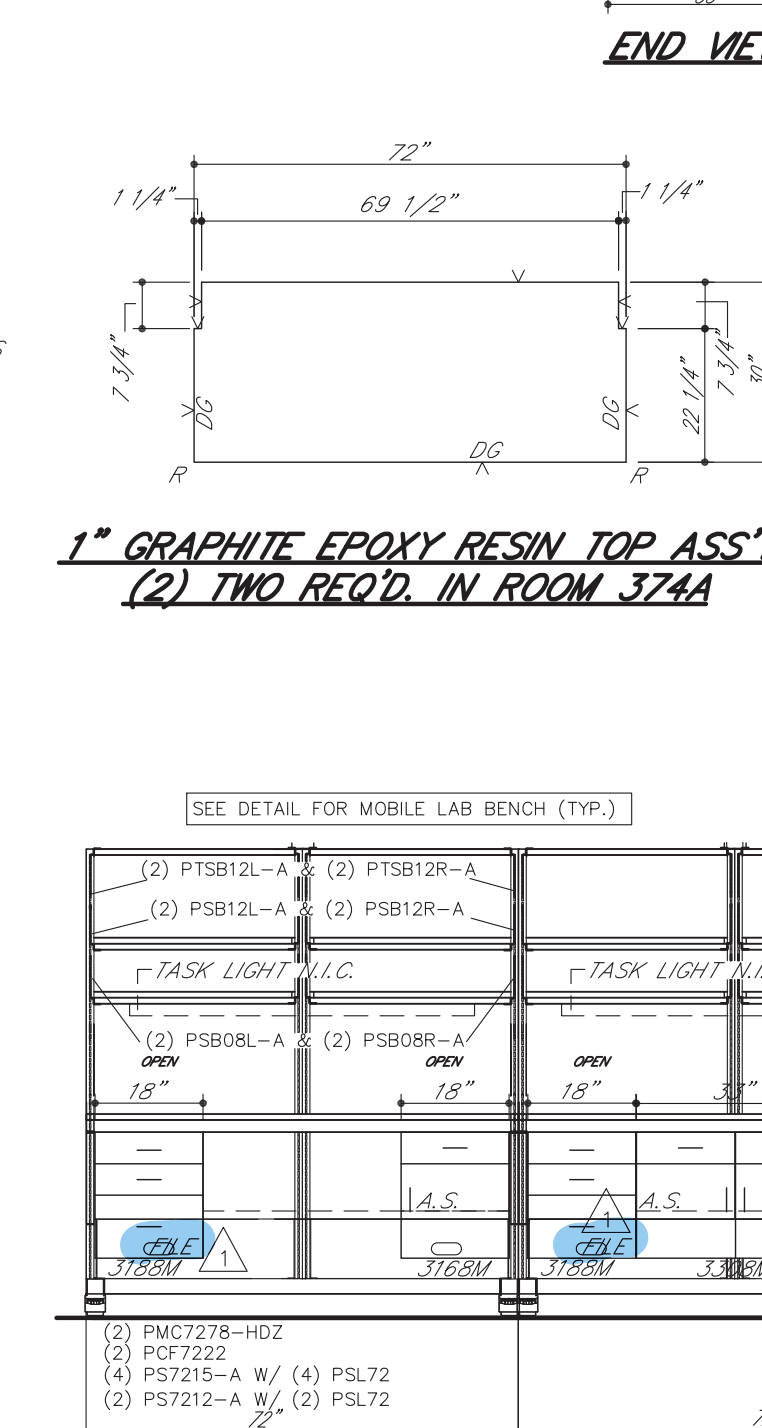
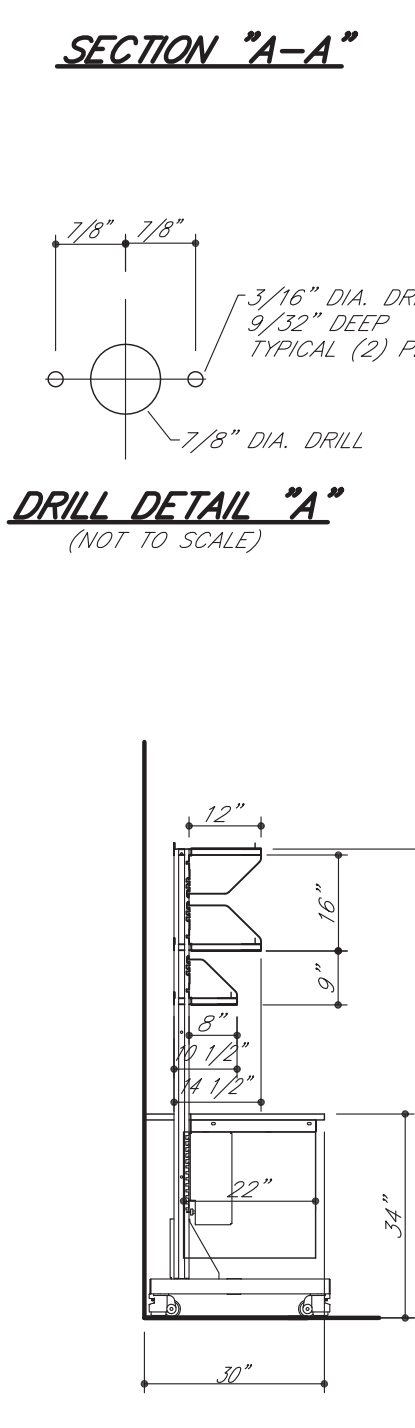
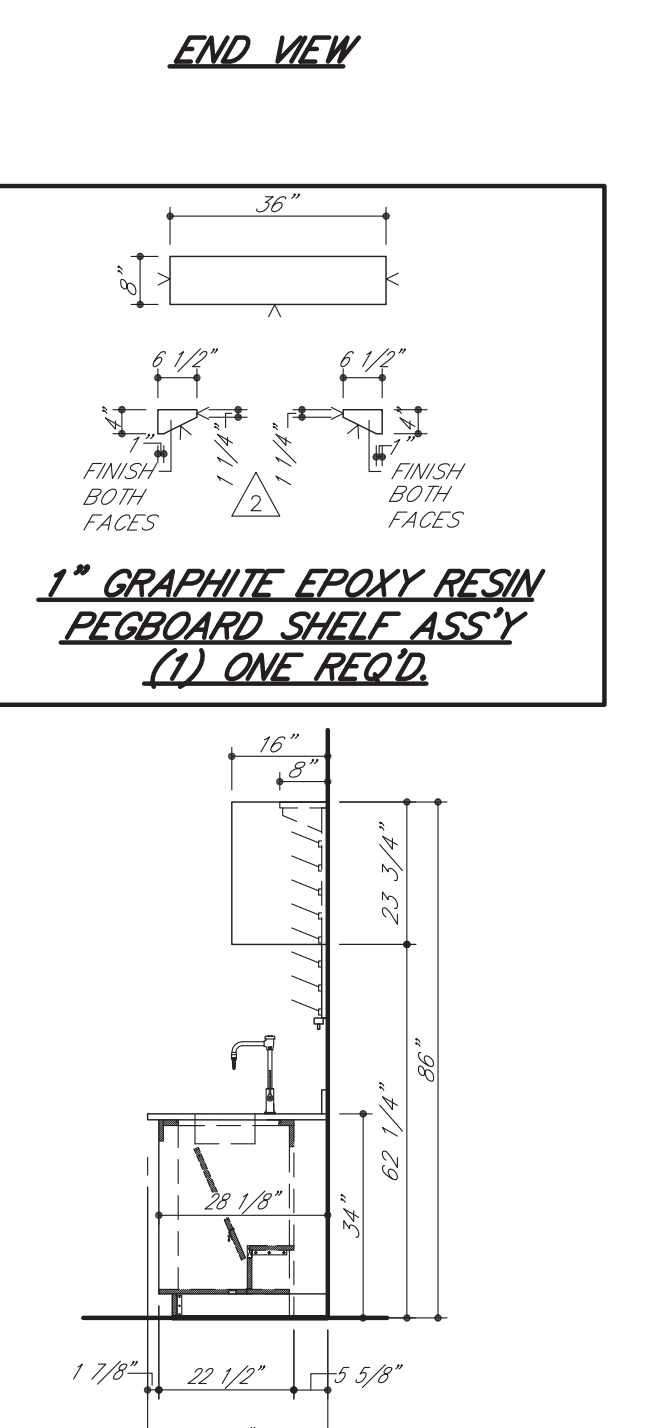
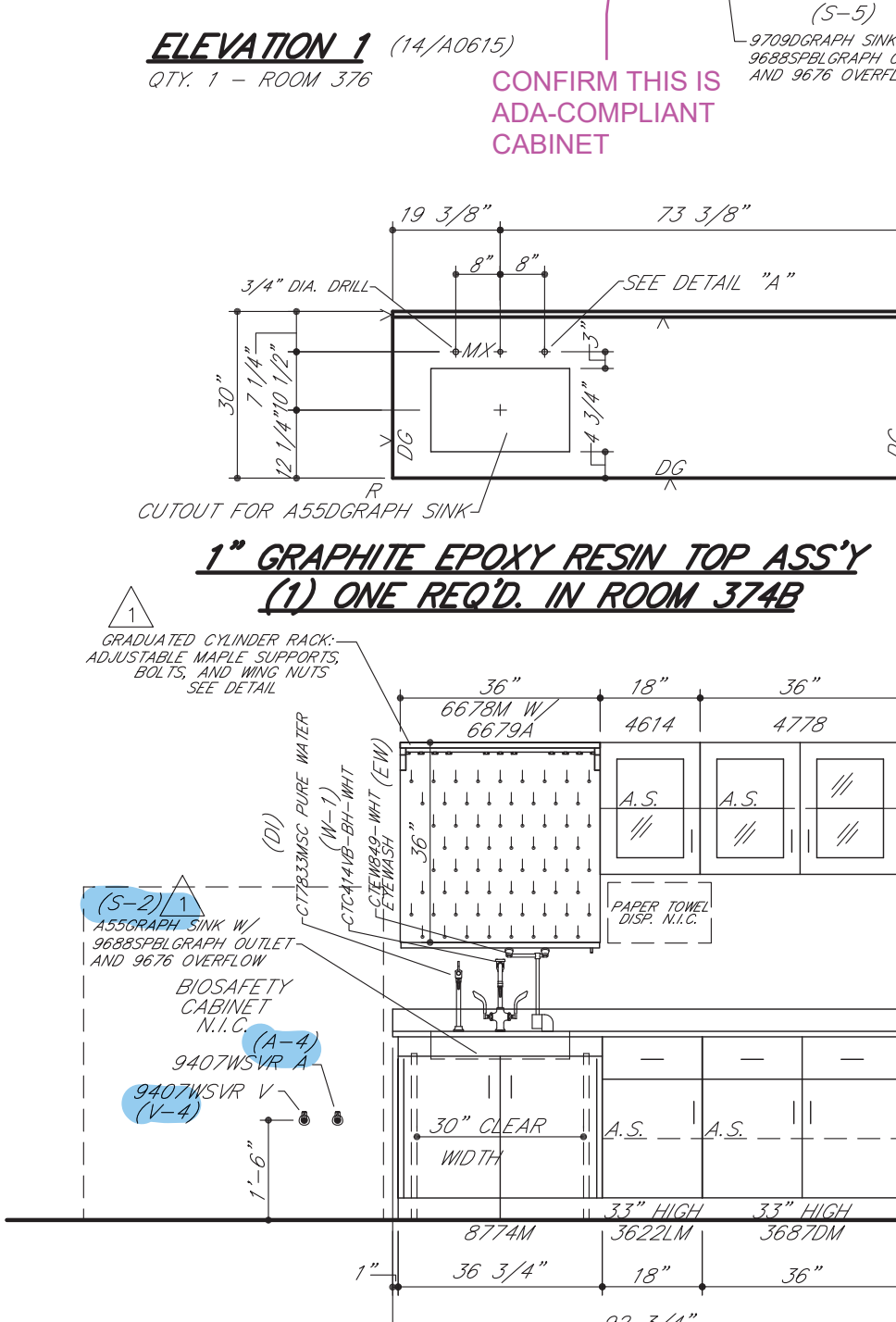
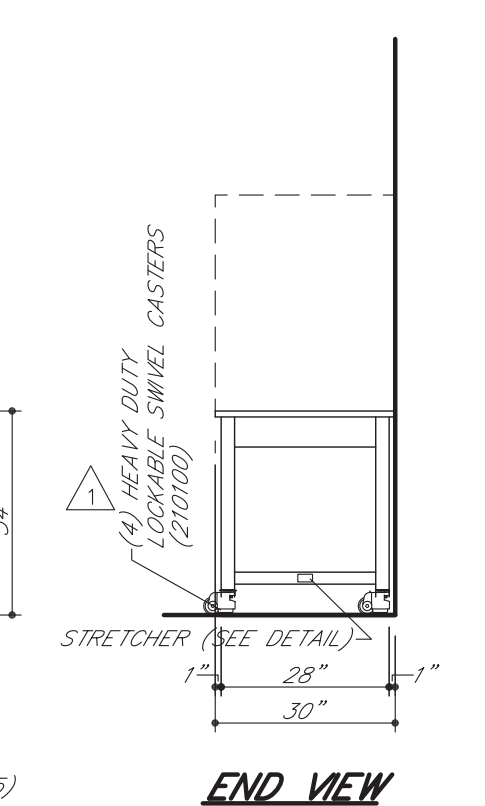
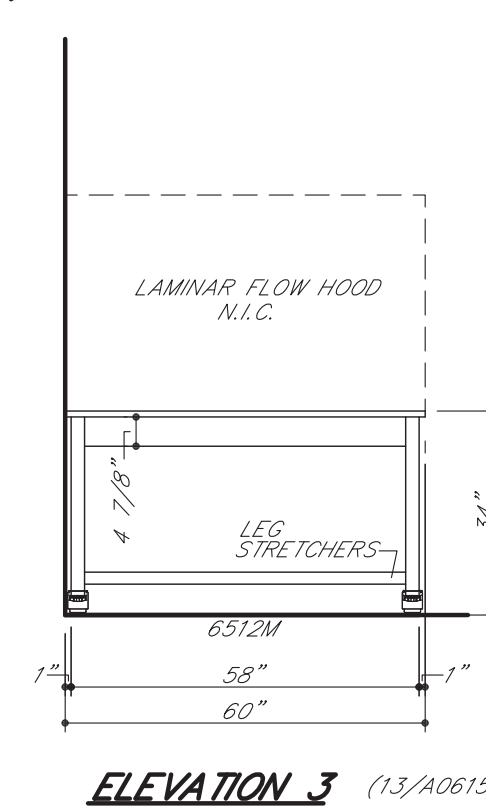
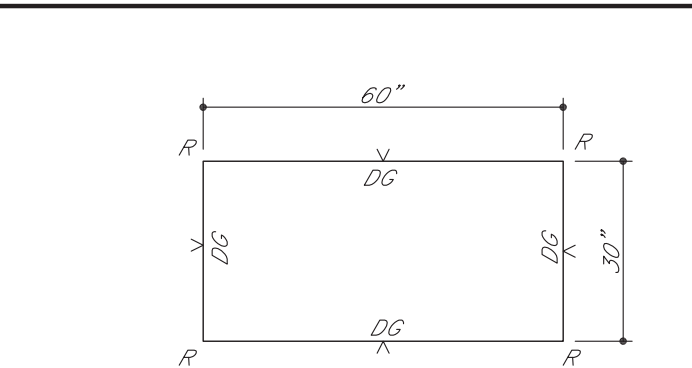
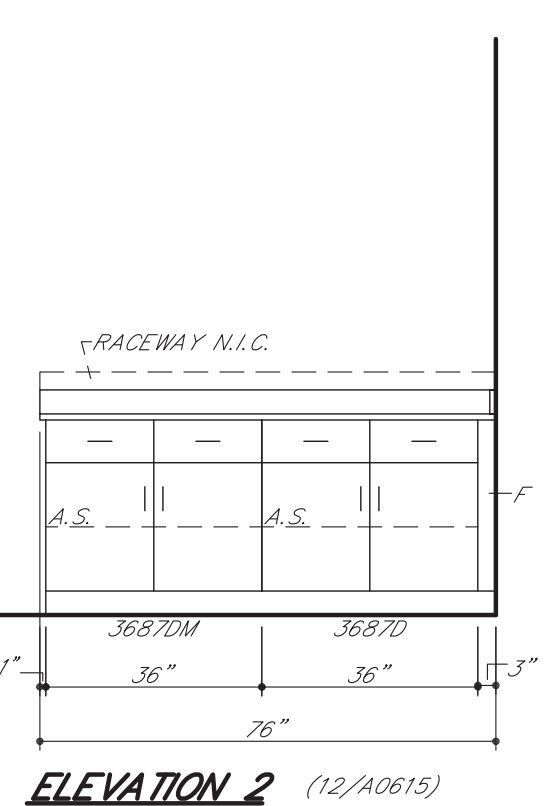
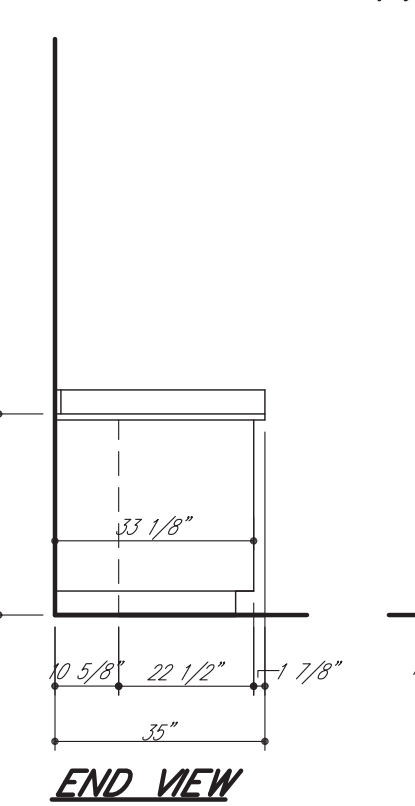
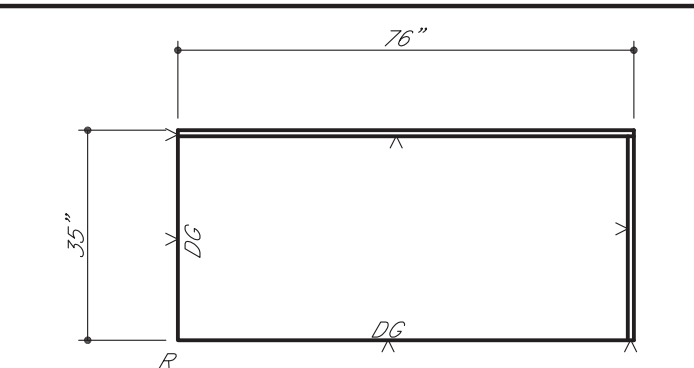
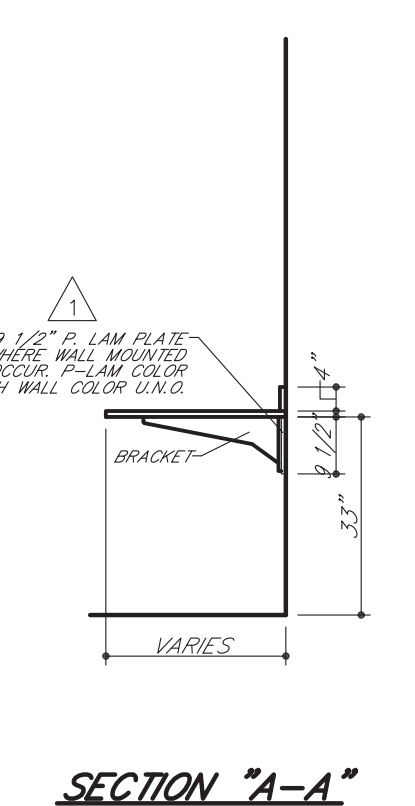
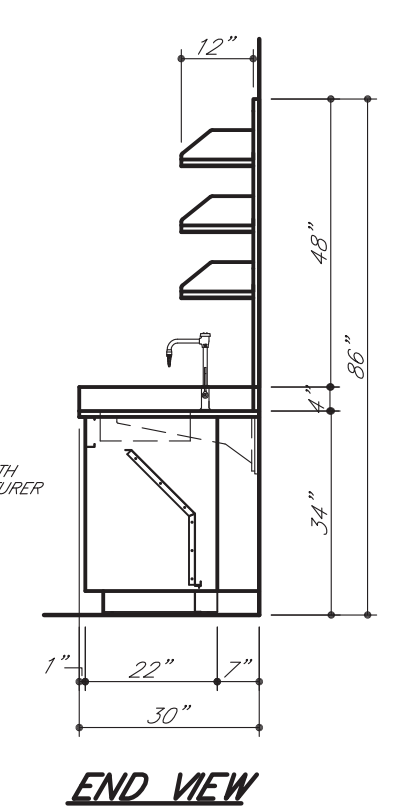
INSTITUTIONAL CASEWORK INC.
1855 North Market Street
Paris, TN 38242
(731) 642-4251

SCIENCE EQUIPMENT ROUGH-IN
WEBSTER UNIVERSITY
WEBSTER GROVES, MO

DIST.	CARROLL SEATING	JOB NO.	04437C
DRN. BY	C. MARTIN	CKD. BY	
DATE	09/22/16	DWG. NO.	04437C02
SCALE	1/4" = 1'-0"	SHEET	2 OF 6



3/4" PLASTIC LAMINATE PLATE
(1) ONE REQ'D. IN ROOM 376
COLOR:



SYM	DATE	BY	REVISIONS
1	01.04.17	MAH	REVISE/RESUBMIT
2	12.22.16	MAH	REVISE/RESUBMIT

GENERAL NOTES FOR TOP LAYOUTS
1. ALL SINK CUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.
2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
3. ALL NUMBERED CURBS TO BE SHIPPED LOOSE.
4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
5. ALL SINK CORNERS FOR "LUXURY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
6. ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.

GENERAL NOTES FOR ROUGH-IN
1. SHADDED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.
2. SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVEALS REQUIRED.
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4. ONLY ITEMS TO BE SUPPLIED BY ICI ARE ROUGHED-IN.
IF TRAPS ARE TO BE FURNISHED BY ICI
1. IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF WASTE, STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES TO BE APPROXIMATELY 18" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
2. IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK OUTLET. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
3. NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EXACT TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.
IF TRAPS ARE TO BE FURNISHED BY OTHERS
1. IF SERVICES STUB-OUT THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 18" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
2. IF SERVICES STUB-UP THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL SERVICES SHOULD STUB-UP 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
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ROUGH-IN LEGEND
W - WASTE
CW - COLD WATER
HW - HOT WATER
DW - DISTILLED WATER
DI - DIONIZED WATER
G - GAS
A - AIR
V - VACUUM
S - STEAM
E - 115 V.A.C. ELECTRIC
F - 220 V.A.C. ELECTRIC
S.O. - SINK OUTLET
P.C. - PIRE CHASE

ELEVATION LEGEND
A.S. - ADJUSTABLE SHELF
LTH - 3 PT. LATCHING HANDLE
R/H - 3 PT. LOCKING HANDLE
R/S - REVOLVING METAL SHELF
P.S. - PULL OUT SHELF
M - MASTERKEY LOCK
F.S. - 5 PT. LATCH SHELF
R/C/P - REAR CLOSURE PANEL
F/C/P - FRONT CLOSURE PANEL
F - FILLER

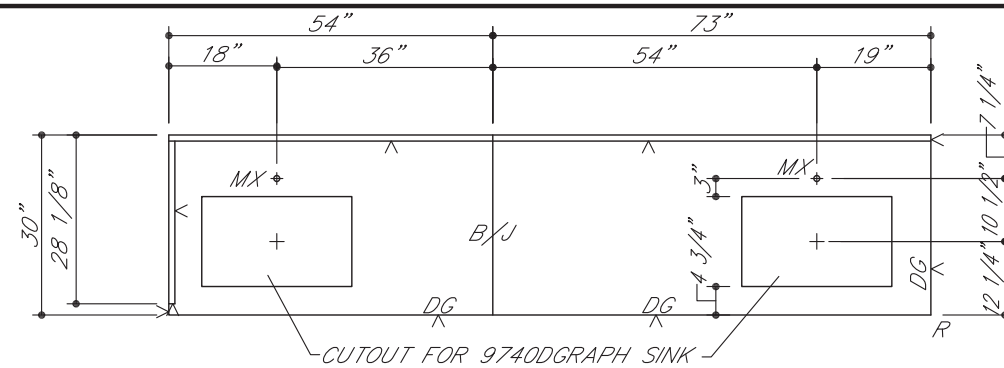
ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE SHADDED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES TO MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN, MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.

EQUIP. ELEVATIONS & TOP L.O.
WEBSTER UNIVERSITY
WEBSTER GROVES, MO

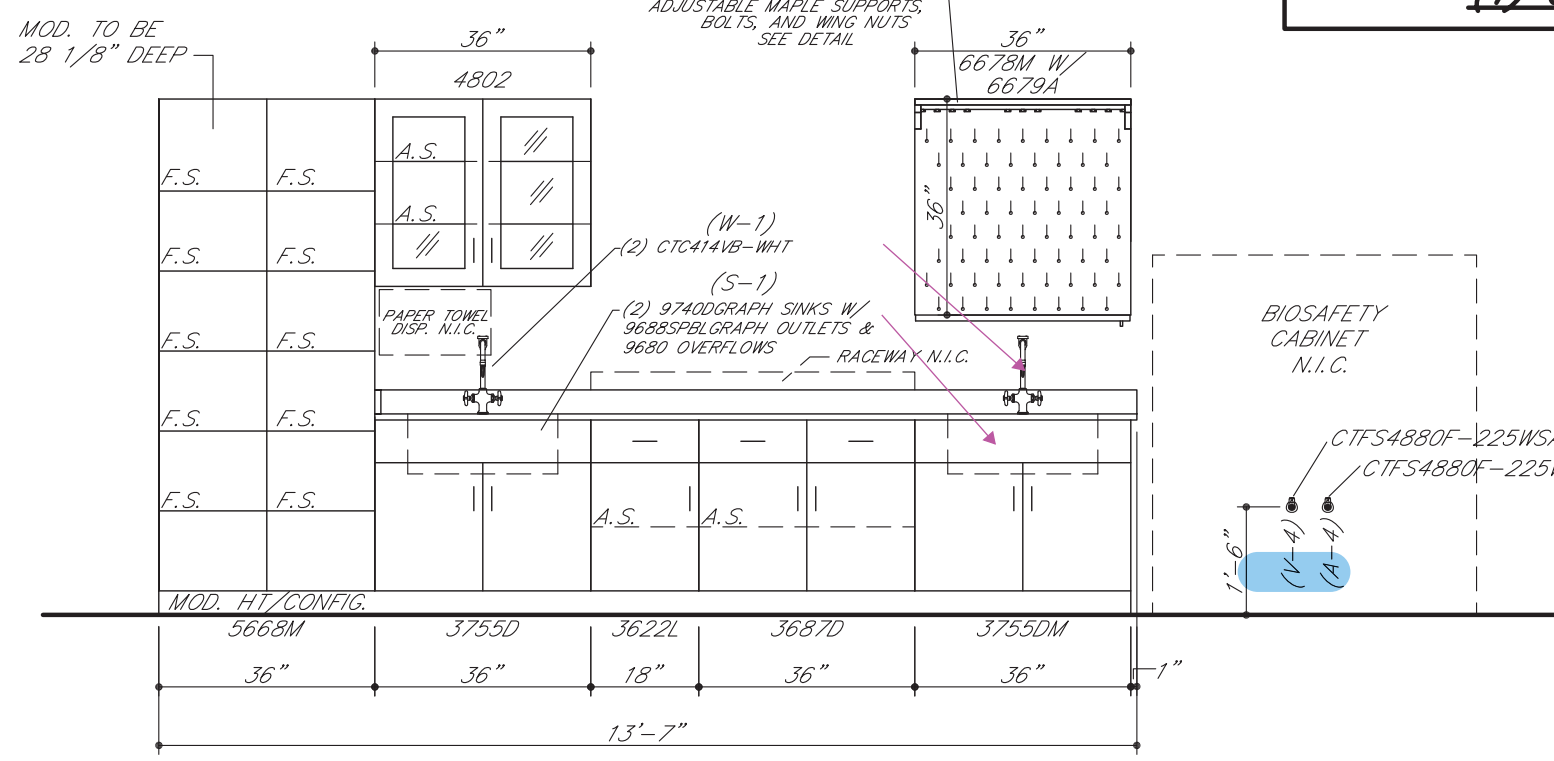
DIST. CARROLL SEATING	JOB NO. 04437C
DRN. BY C. MARTIN	CKD. BY
DATE 09/28/16	DWG. NO. 04437CET
SCALE 3/8" = 1'-0"	SHEET 3 OF 6



The mark of responsible forestry

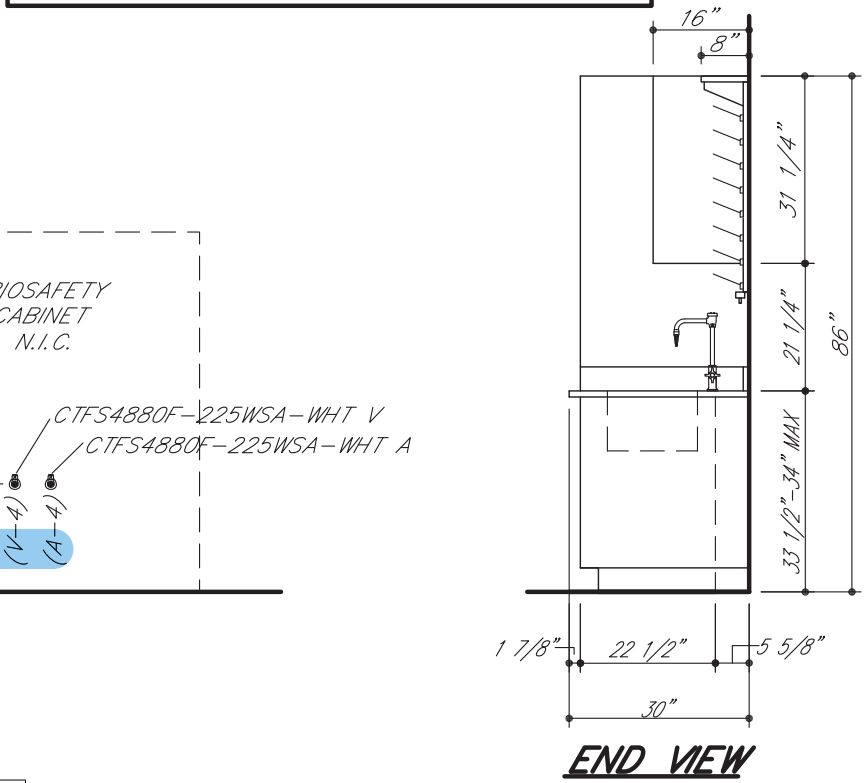


1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 388



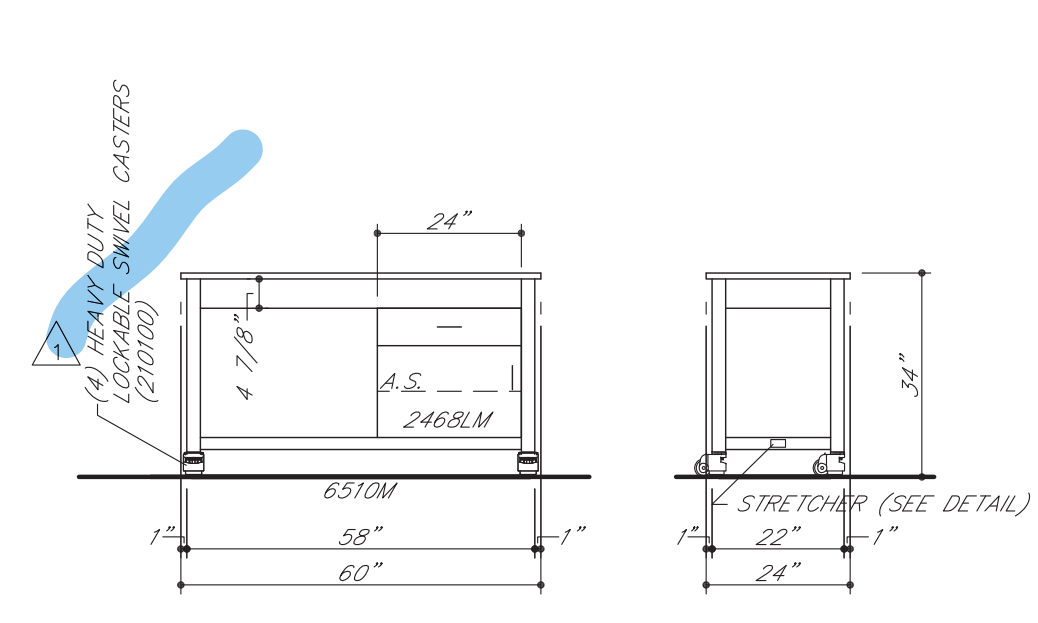
ELEVATION 9 (9/A0615)
QTY. 1 - ROOM 388

1" GRAPHITE EPOXY RESIN
PEGBOARD SHELF ASS'Y
(1) ONE REQ'D.



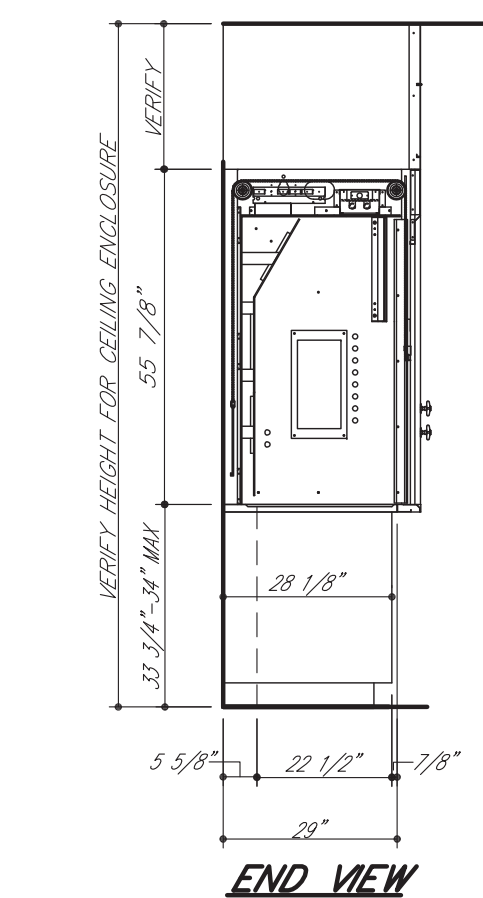
END VIEW

1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 378
(1) ONE REQ'D. IN ROOM 383
(1) ONE REQ'D. IN ROOM 388
(1) ONE REQ'D. IN ROOM 391

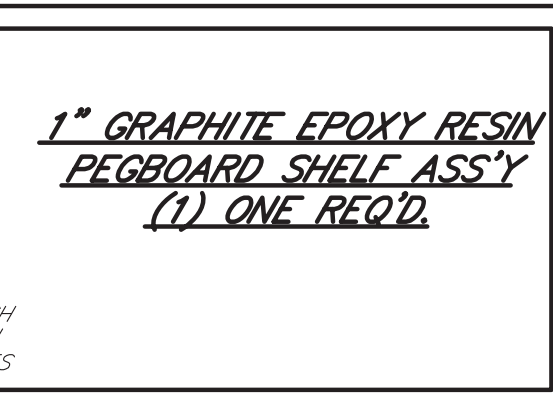


ELEVATION 10 (12/A0618)
QTY. 4 - ROOMS 378, 383, 388, AND 391

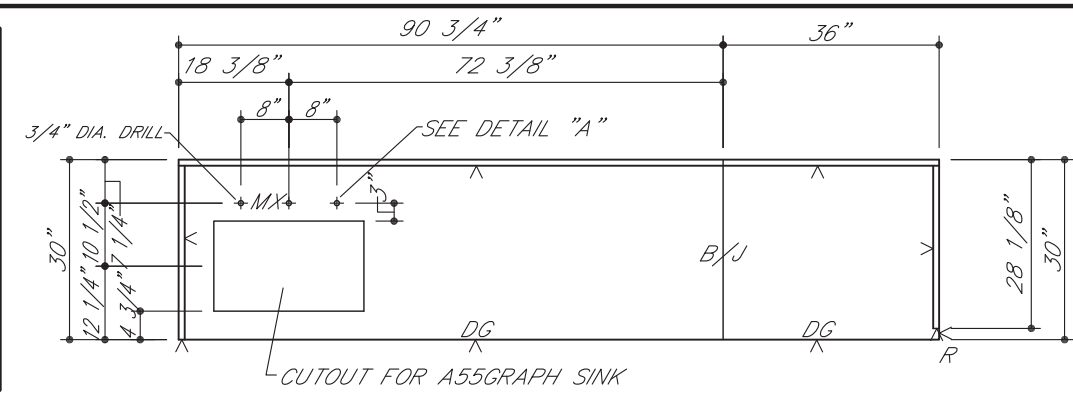
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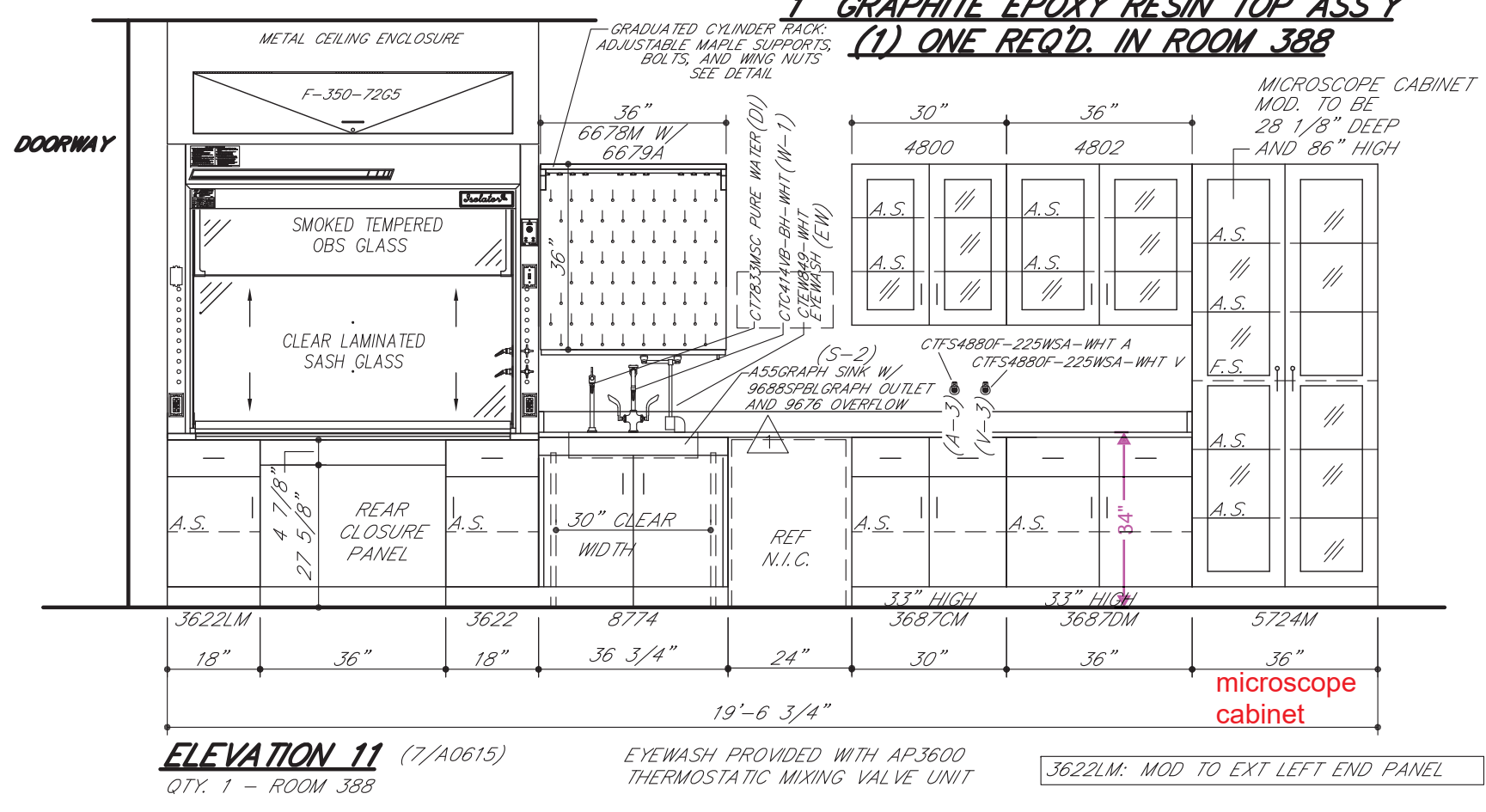
END VIEW



1" GRAPHITE EPOXY RESIN
PEGBOARD SHELF ASS'Y
(1) ONE REQ'D.



1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 388

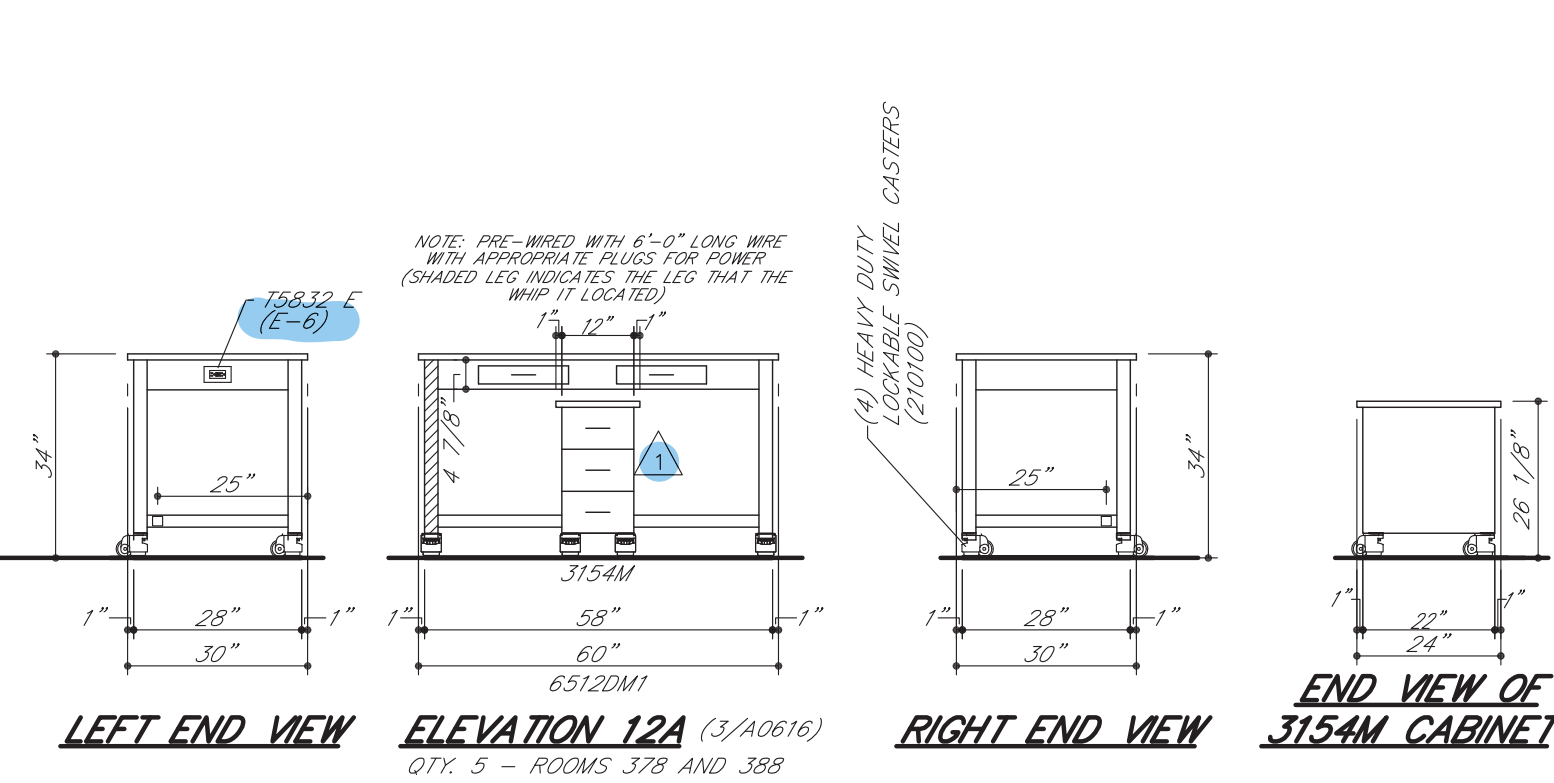


ELEVATION 11 (7/A0615)
QTY. 1 - ROOM 388

EYEWASH PROVIDED WITH AP3600
THERMOSTATIC MIXING VALVE UNIT

3622LM. MOD TO EXT LEFT END PANEL

1" GRAPHITE EPOXY RESIN TOP ASS'Y
(3) THREE REQ'D. IN ROOM 378
(2) TWO REQ'D. IN ROOM 388

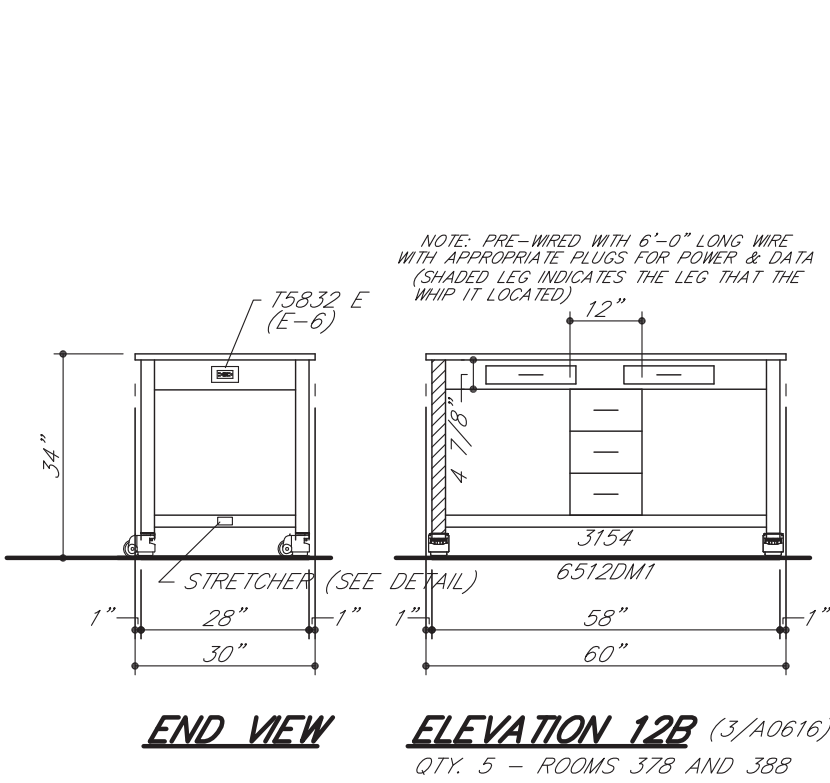


ELEVATION 12A (3/A0616)
QTY. 5 - ROOMS 378 AND 388

RIGHT END VIEW

END VIEW OF 3154M CABINET

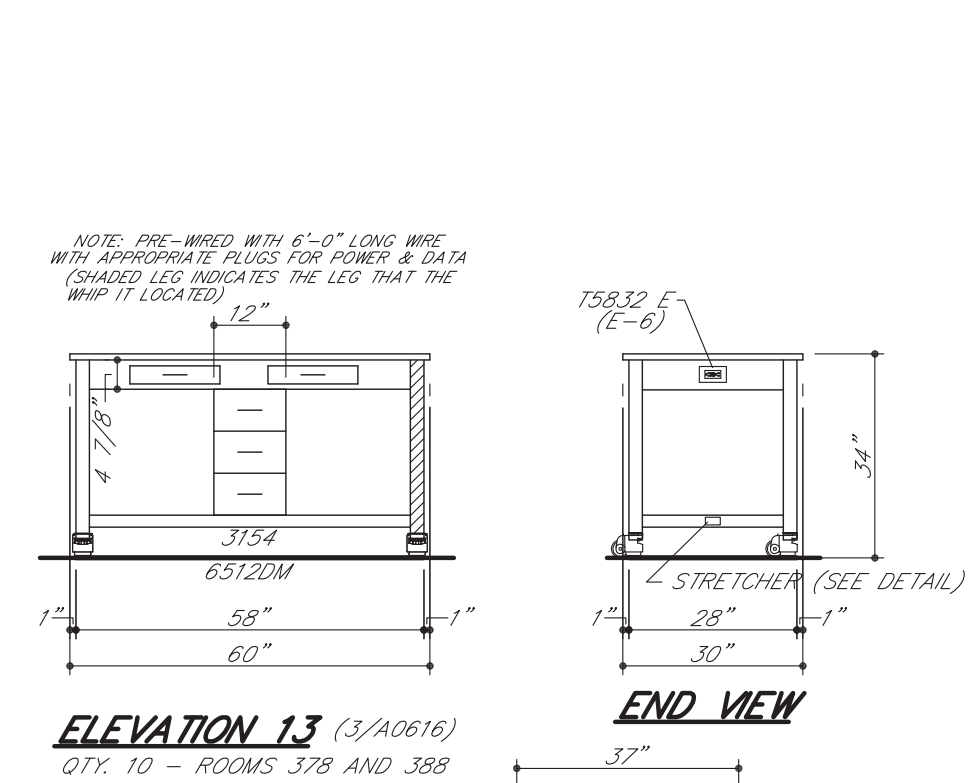
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(3) THREE REQ'D. IN ROOM 378
(2) TWO REQ'D. IN ROOM 388



ELEVATION 12B (3/A0616)
QTY. 5 - ROOMS 378 AND 388

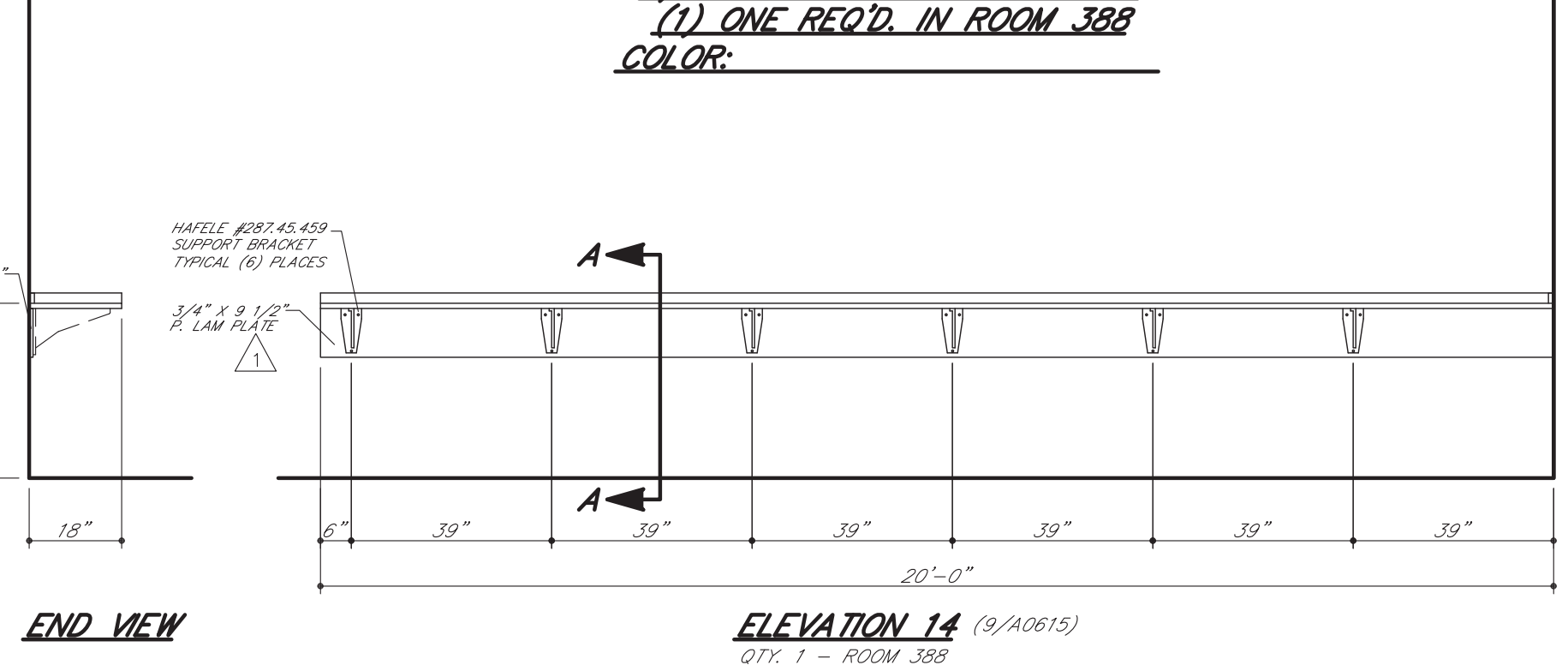
END VIEW

1" GRAPHITE EPOXY RESIN TOP ASS'Y
(6) SIX REQ'D. IN ROOM 378
(4) FOUR REQ'D. IN ROOM 388



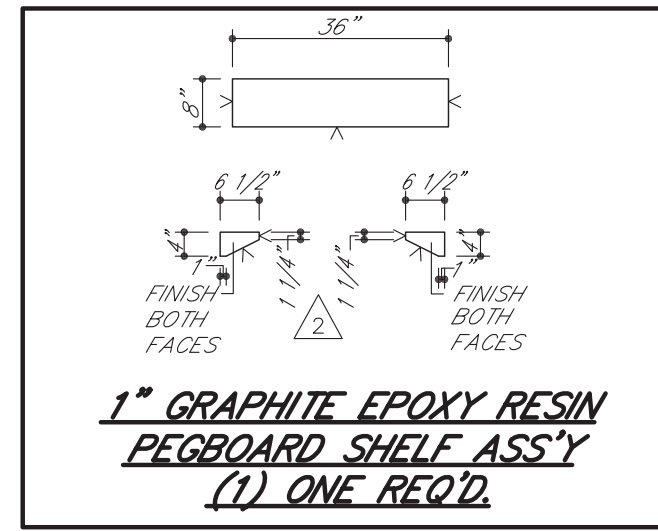
ELEVATION 13 (3/A0616)
QTY. 10 - ROOMS 378 AND 388

END VIEW

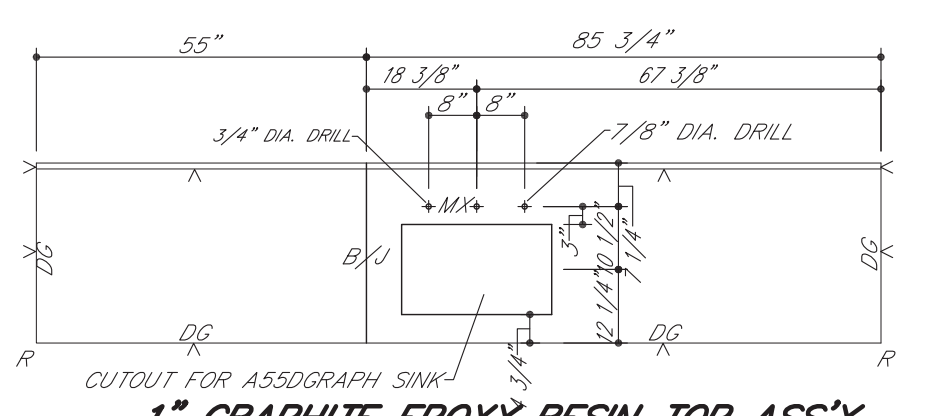


ELEVATION 14 (9/A0615)
QTY. 1 - ROOM 388

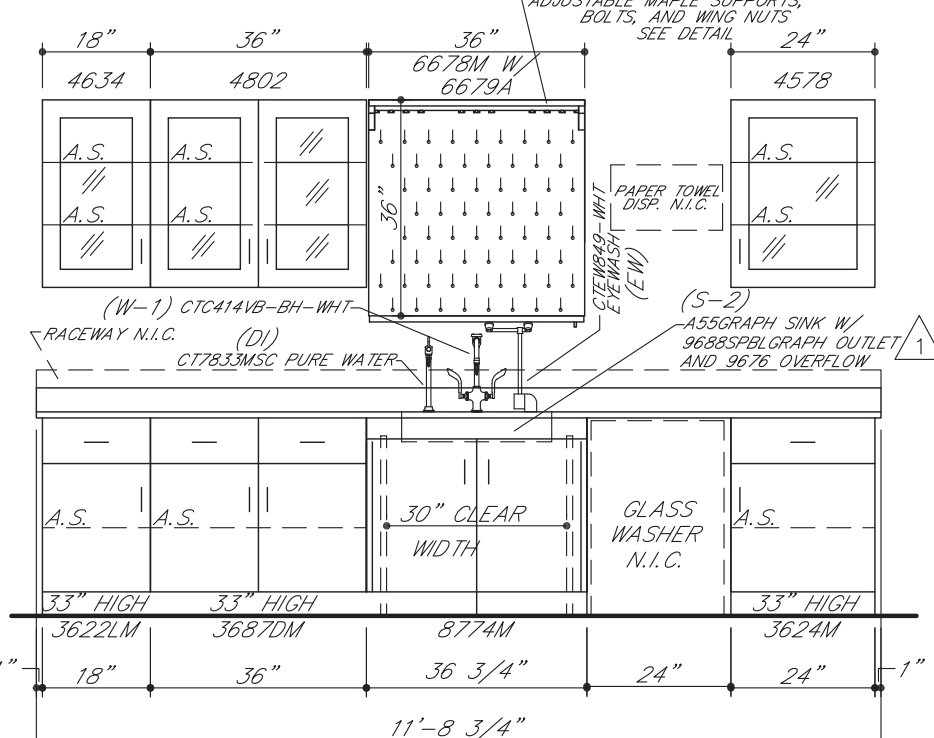
END VIEW



1" GRAPHITE EPOXY RESIN
PEGBOARD SHELF ASS'Y
(1) ONE REQ'D.



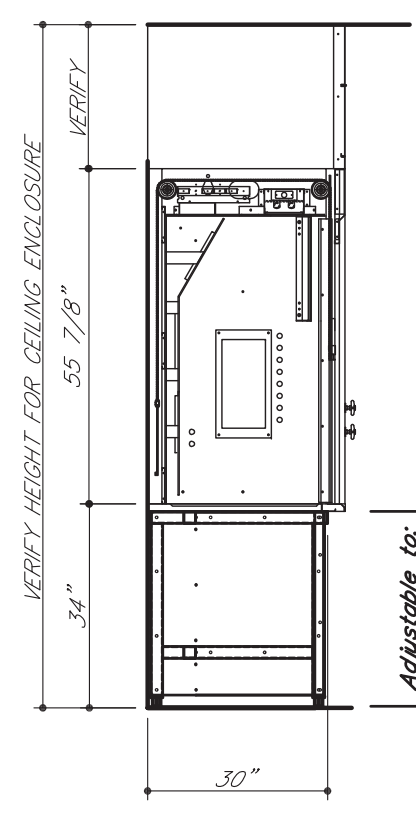
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 386



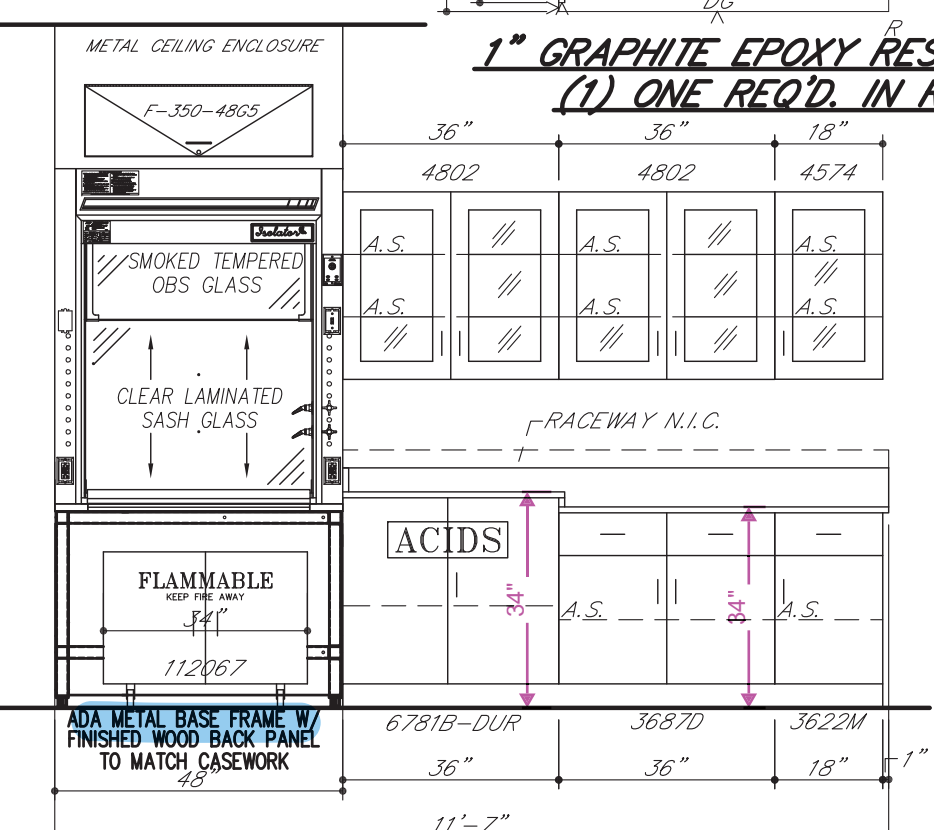
ELEVATION 15 (5/A0615)
QTY. 1 - ROOM 386

EYEWASH PROVIDED WITH AP3600
THERMOSTATIC MIXING VALVE UNIT

3622LM. MOD TO EXT LEFT END PANEL
3624M. MOD TO EXT RIGHT END PANEL

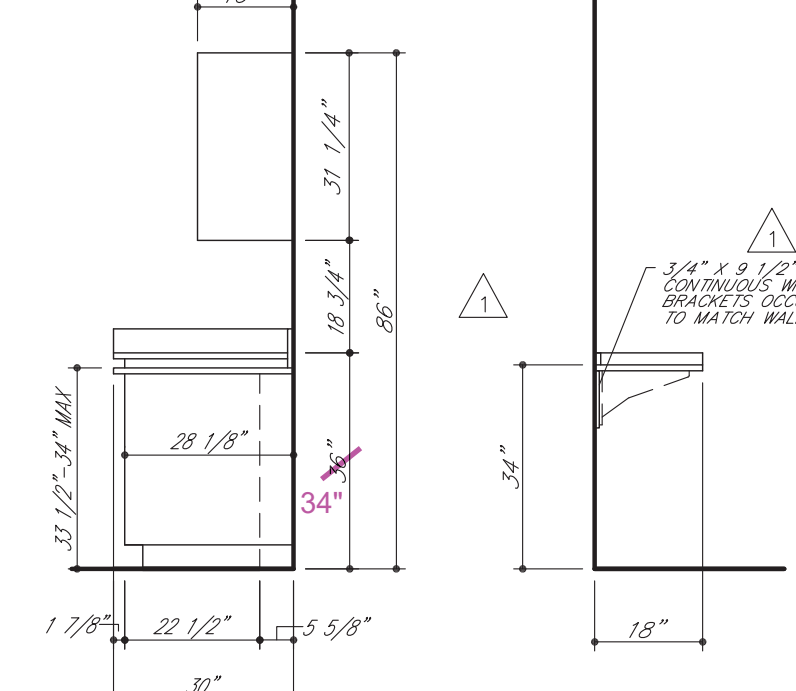


END VIEW



ELEVATION 16 (4/A0615)
QTY. 1 - ROOM 386

1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 386

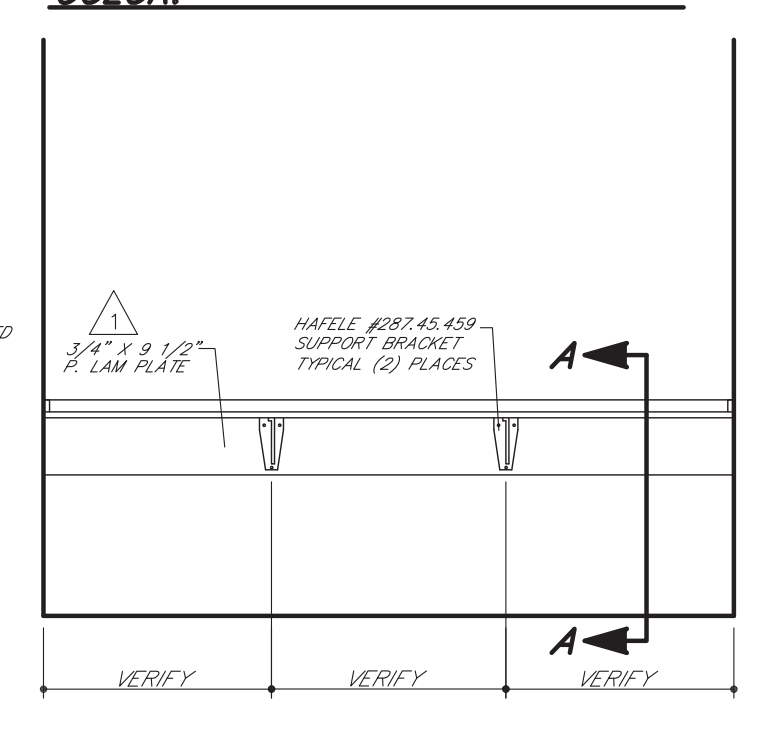


END VIEW

1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 386

3/4" PLASTIC LAMINATE PLATE
(1) ONE REQ'D. IN ROOM 386
COLOR:

3/4" PLASTIC LAMINATE PLATE
(1) ONE REQ'D. IN ROOM 386
COLOR:



ELEVATION 17 (6/A0615)
QTY. 1 - ROOM 386

SYM	DATE	BY	REVISIONS
Δ	01.04.17	MAH	REVISE/RESUBMIT
Δ	12.22.16	MAH	REVISE/RESUBMIT

GENERAL NOTES FOR TOP LAYOUTS

- ALL SINK CUTOUPS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.
 - ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
 - ALL NUMBERED CURBS TO BE SHIPPED LOOSE.
 - ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
 - ALL SINK CORNERS FOR "LUX" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
 - ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.
- V - FINISH SURFACE AND RELIEVE EDGES
R - RELIEVE CORNERS
G - 7/8" DRILL FOR GAS COOK
G2 - 3/4" DRILL FOR GAS COOK PANEL MOUNTED
A - 7/8" DRILL FOR AIR COOK
A2 - 3/4" DRILL FOR AIR COOK PANEL MOUNTED
V - 7/8" DRILL FOR VACUUM COOK
V2 - 3/4" DRILL FOR VACUUM COOK PANEL MOUNTED
E - 1-1/8" DRILL FOR PEDESTAL ELECTRIC
Q - MARK EACH PIECE AS SHOWN
QW - DRIP GROOVE ON BOTTOM SIDE
CW - 3/4" DRILL FOR COLD WATER FAUCET
HW - 3/4" DRILL FOR HOT WATER FAUCET
HW2 - 7/8" DRILL FOR HOT WATER FAUCET
DW - 7/8" DRILL FOR DISTILLED WATER FAUCET
CX - SEE CX DETAIL
MX - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET
RS - 1-1/8" DRILL FOR ROD SOCKET
FP - SEE FP DETAIL
VX - SEE VX DETAIL
SE - 2-3/8" X 3-5/8" CUTOFF FOR SINGLE ELECTRIC
DE - 3-5/8" X 4-3/8" CUTOFF FOR DOUBLE ELECTRIC
DI - 7/8" DRILL FOR DEIONIZED WATER FIXTURE
B/J - BUTT JOINT
C.T.F. - CUT TO FIT AT JOBSITE
IF VARIOUS RESISTANT FIXTURES/FAUCETS ARE PROVIDED, REFERENCE DETAILS.

GENERAL NOTES FOR ROUGH-IN

- SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.
 - SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVEALS REQUIRED.
 - ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.
 - ONLY ITEMS TO BE SUPPLIED BY ICI ARE ROUGHED-IN.
- IF TRAPS ARE TO BE FURNISHED BY ICI
- IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF WASTE, STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 18" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
 - IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK OUTLET. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
 - NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.

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- IF SERVICES STUB-UP THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL SERVICES SHOULD STUB-UP 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
- DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR TAILPIECE. REFER TO SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE TO VERIFY WHICH IS APPLICABLE.

ROUGH-IN LEGEND

W - WASTE	V - VACUUM
CW - COLD WATER	S - STEAM
HW - HOT WATER	E - 115 V.A.C. ELECTRIC
DW - DISTILLED WATER	E1 - 220 V.A.C. ELECTRIC
DI - DEIONIZED WATER	S.O. - (Ø) SINK OUTLET
G - GAS	P.C. - PIPE CHASE
A - AIR	F - FILLER

A.S. - ADJUSTABLE SHELF
LTH - 3 PT. LATCHING HANDLE
LWH - 3 PT. LOCKING HANDLE
RMS - REVOLVING METAL SHELF
P.S. - PULL OUT SHELF

V - MASTERKEYED LOCK
F.S. - FIXED SHELF
R/C/P - REAR CLOSURE PANEL
F/C/P - FRONT CLOSURE PANEL
F - FILLER

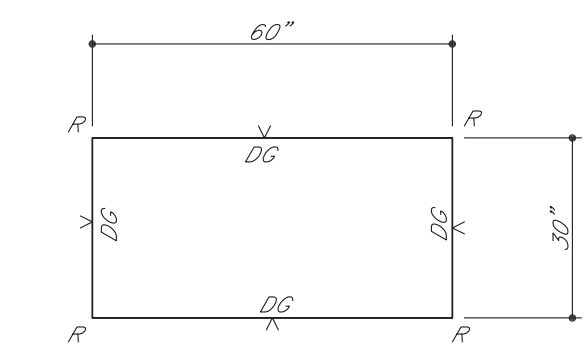
ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN, MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.



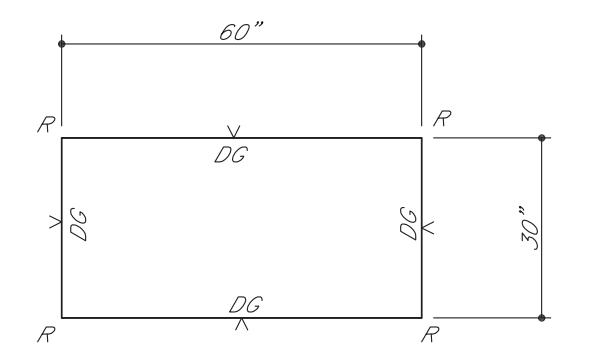
INSTITUTIONAL CASEWORK INC.
1865 North Market Street
Paris, TN 38242
(731) 642-4251

EQUIP. ELEVATIONS & TOP L.O.
WEBSTER UNIVERSITY
WEBSTER GROVES, MO

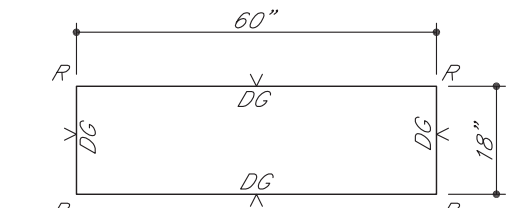
DIST. CARROLL SEATING	JOB NO. 044370
DRN. BY C. MARTIN	CKD. BY
DATE 09/28/16	DWG. NO. 044370C2
SCALE 3/8" = 1'-0"	SHEET 4 OF 6



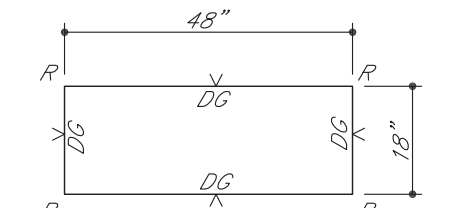
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(2) TWO REQ'D. IN ROOM 383
(2) TWO REQ'D. IN ROOM 391



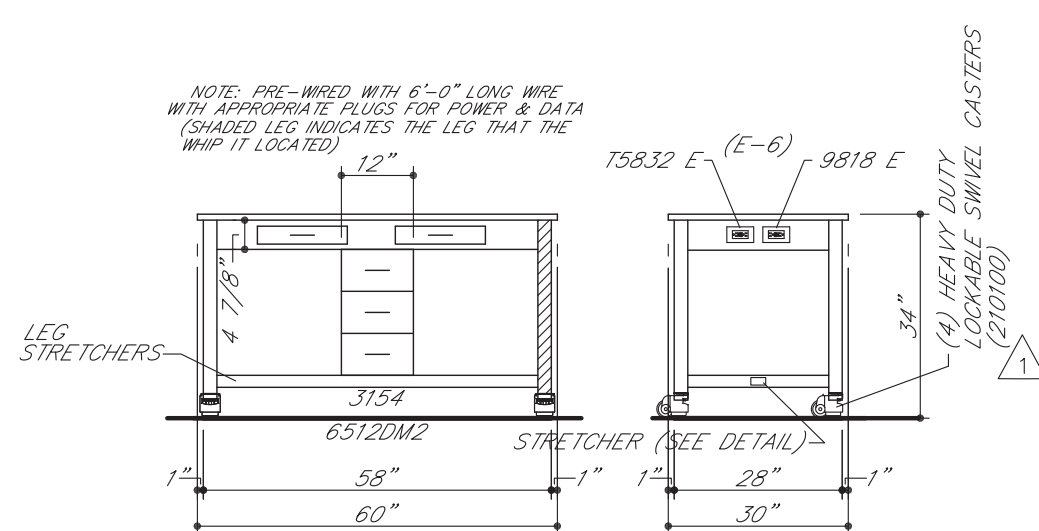
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(2) TWO REQ'D. IN ROOM 383
(2) TWO REQ'D. IN ROOM 391



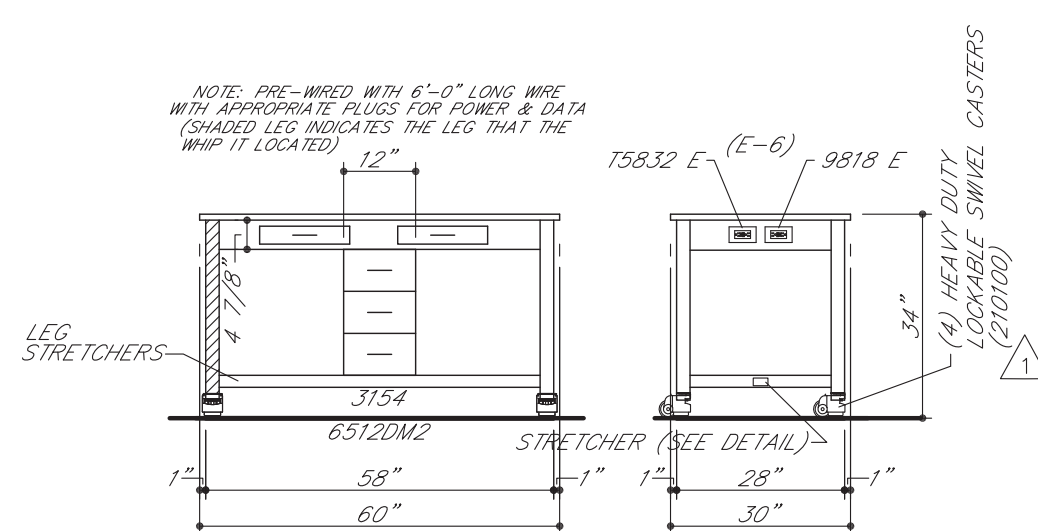
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(3) THREE REQ'D. IN ROOM 383
(1) ONE REQ'D. IN ROOM 389
(2) TWO REQ'D. IN ROOM 391



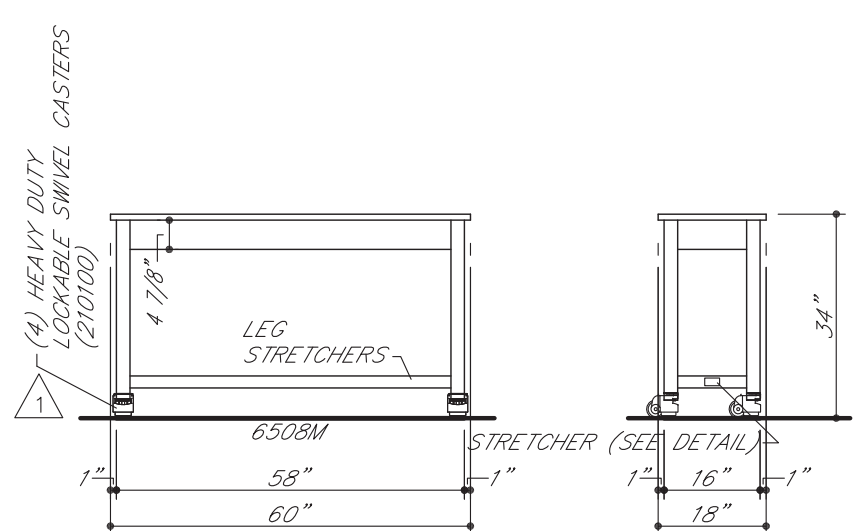
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 389



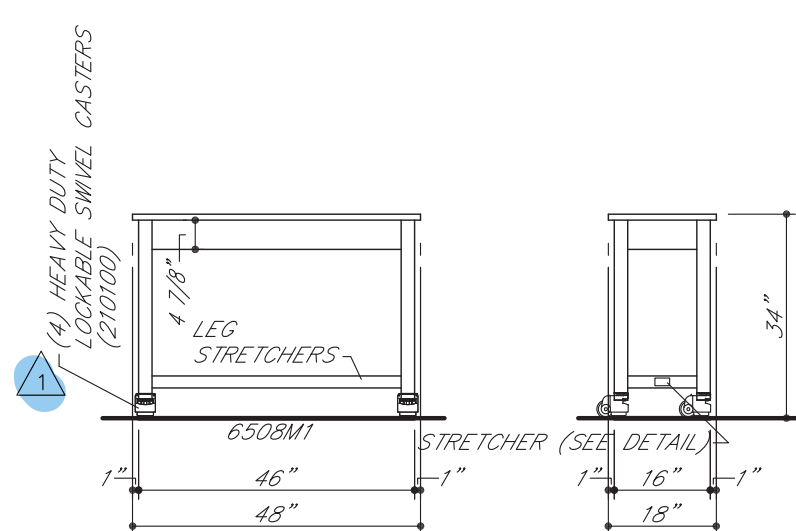
ELEVATION 26A (3/A0616)
QTY: 4 - ROOMS 383 AND 391



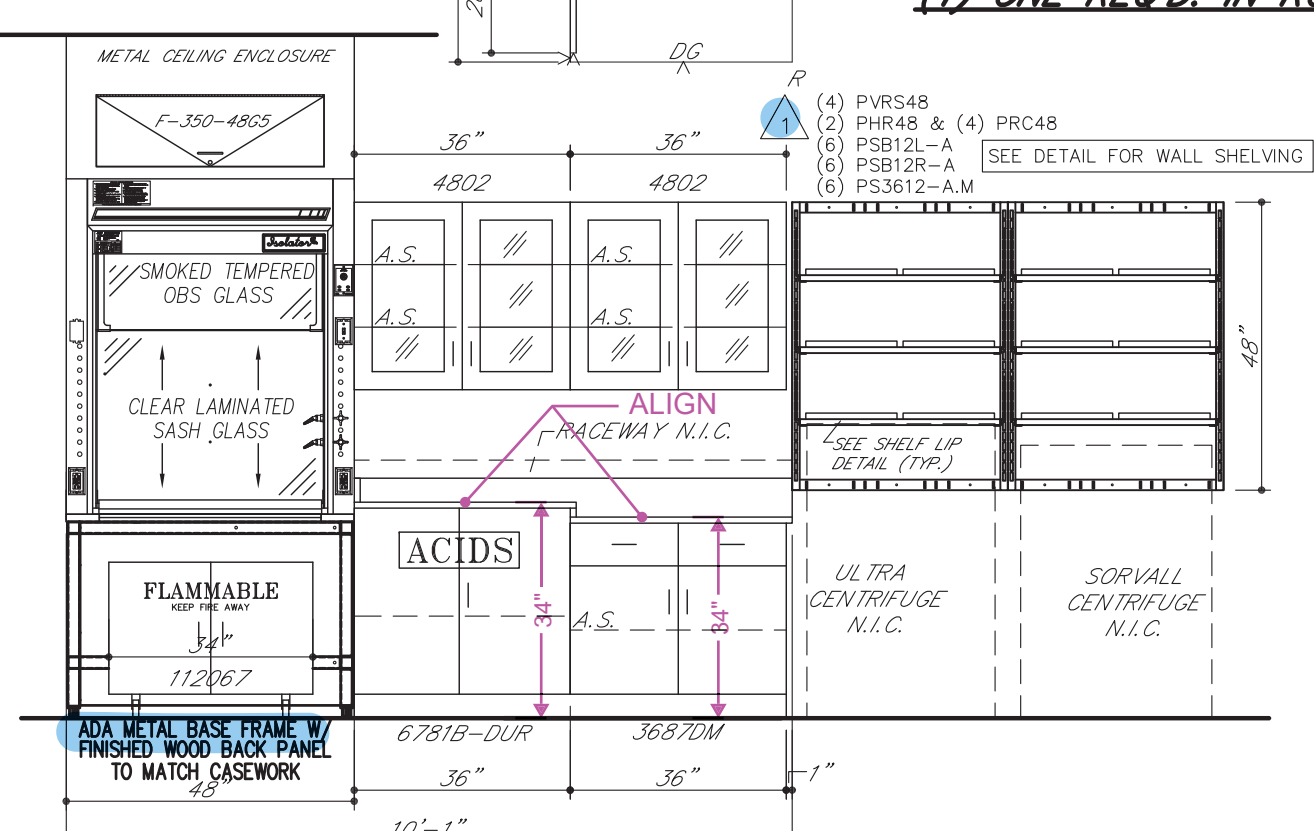
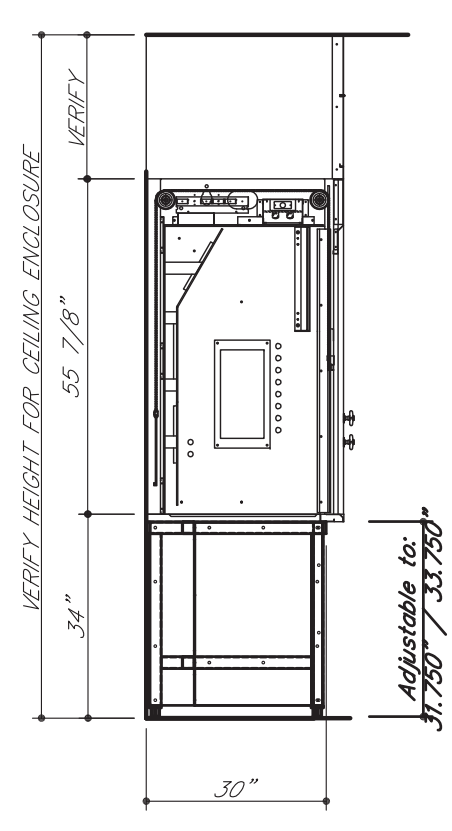
ELEVATION 26B (3/A0616)
QTY: 4 - ROOMS 383 AND 391



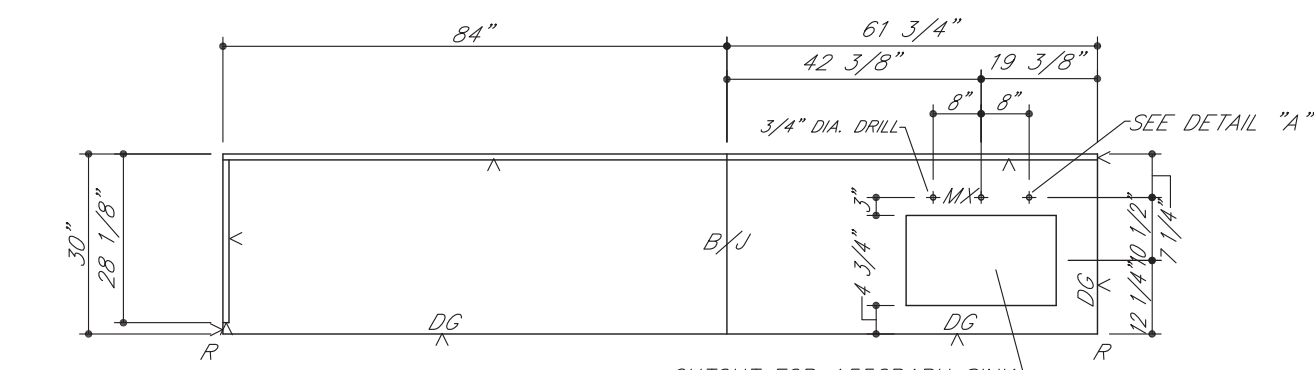
ELEVATION 27 (10/A0616)
QTY: 6 - ROOMS 383, 389, AND 391



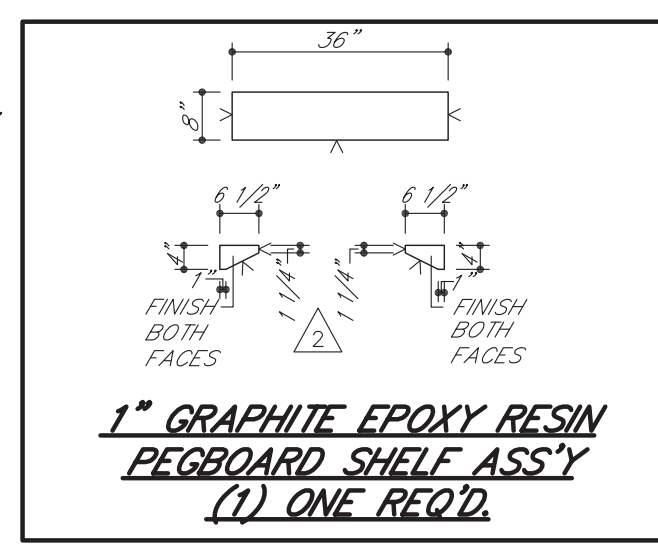
ELEVATION 28 (7/A0616)
QTY: 1 - ROOM 389



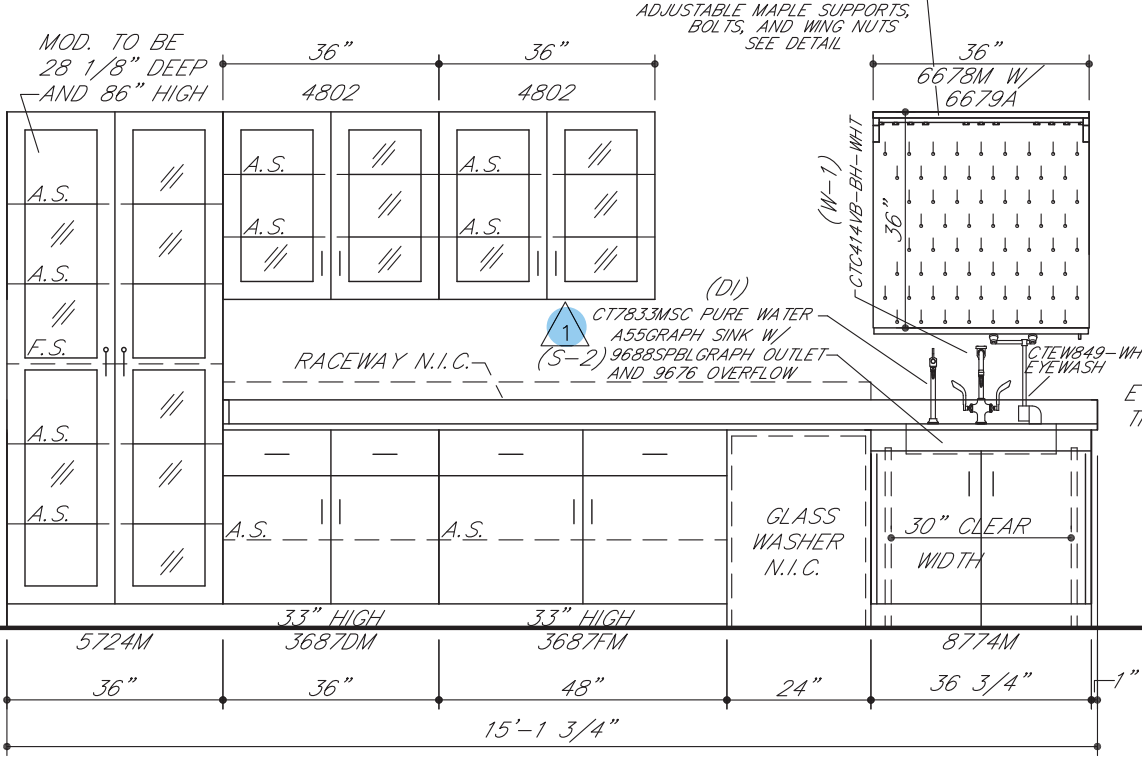
ELEVATION 29 (6/A0616)
QTY: 1 - ROOM 389



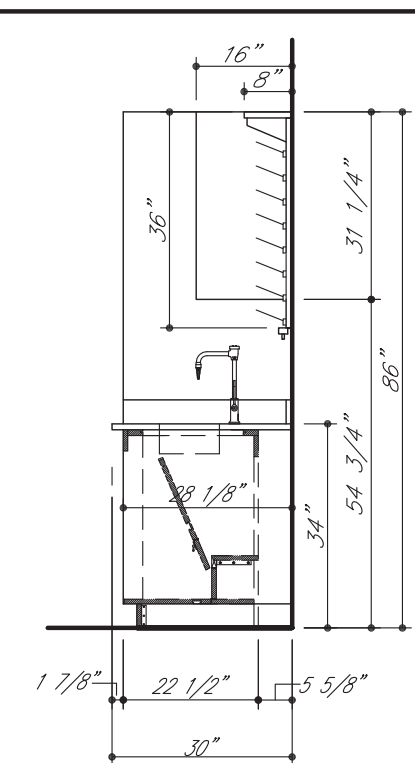
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 389



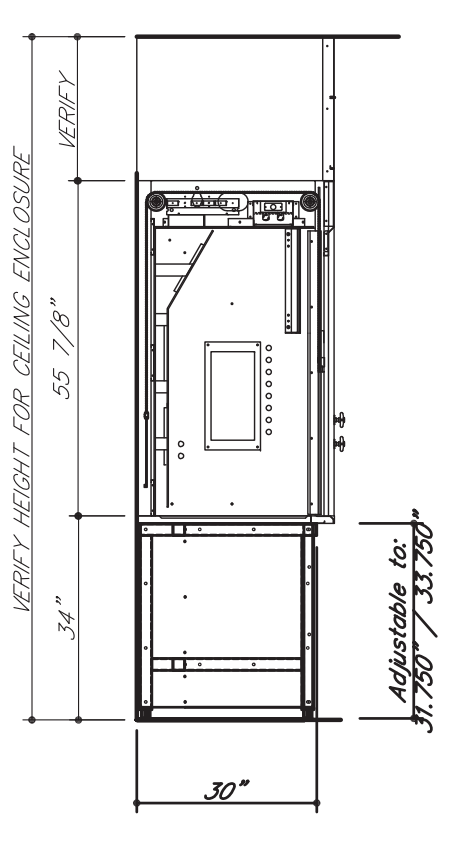
1" GRAPHITE EPOXY RESIN PEGBOARD SHELF ASS'Y
(1) ONE REQ'D.



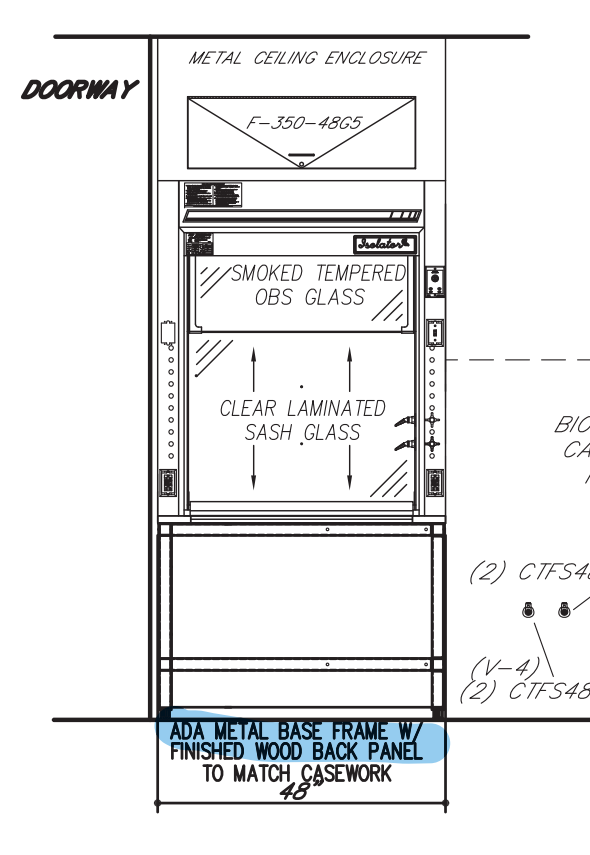
ELEVATION 30 (5/A0616)
QTY: 1 - ROOM 389



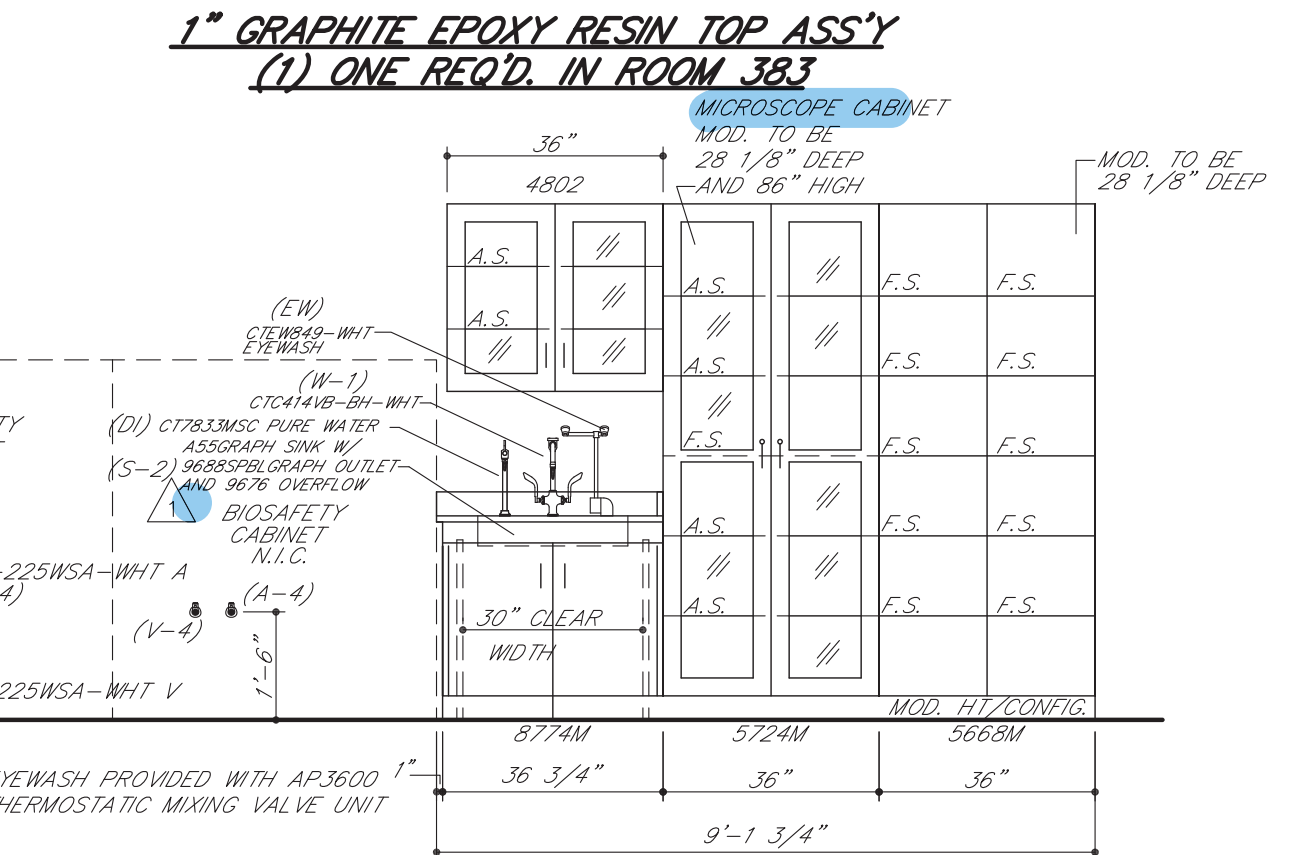
END VIEW



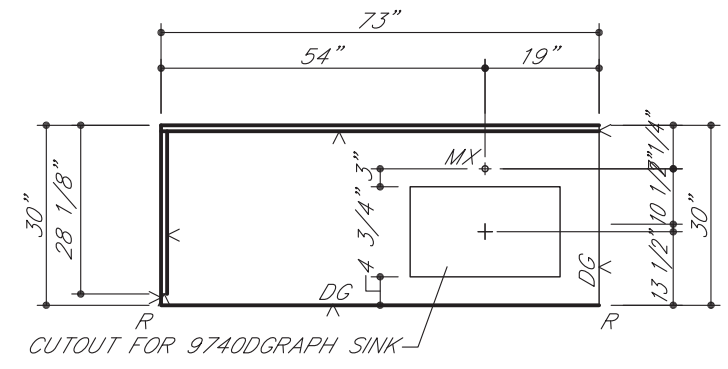
END VIEW



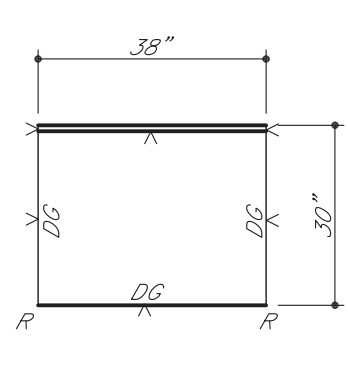
ELEVATION 31 (2/A0616)
QTY: 1 - ROOM 383



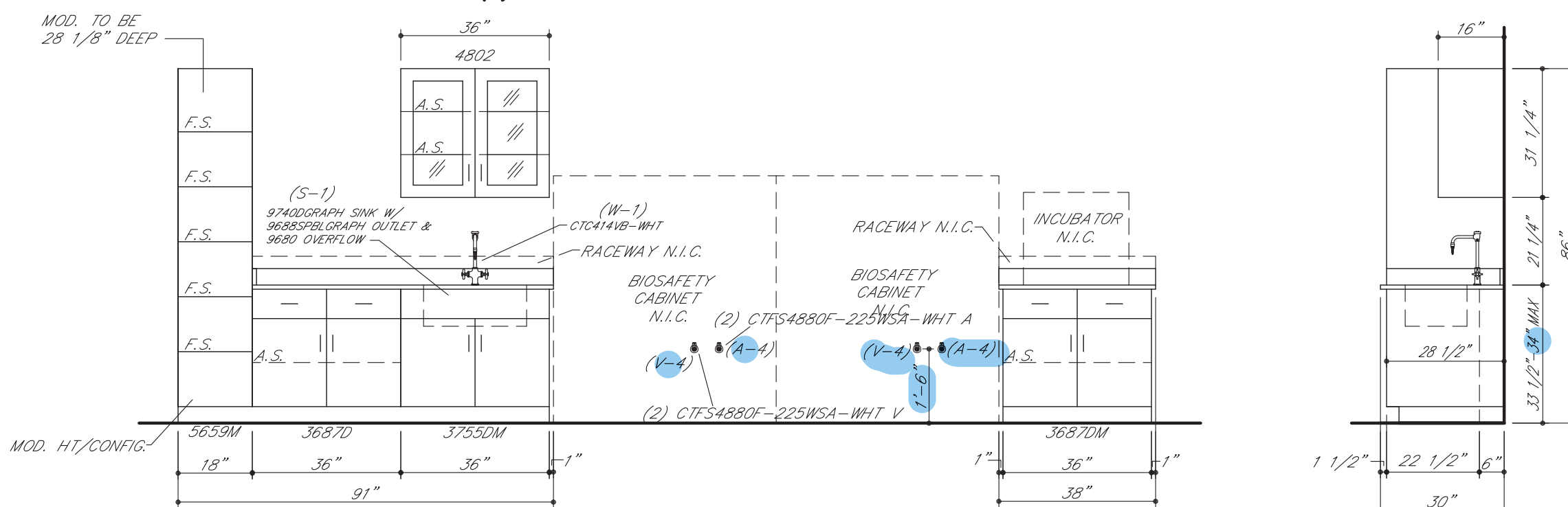
ELEVATION 31 (2/A0616)
QTY: 1 - ROOM 383



1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 383



END VIEW



ELEVATION 32 (1/A0616)
QTY: 1 - ROOM 383

SYM	DATE	BY	REVISIONS
1	01.04.17	MAH	REVISE/RESUBMIT
2	12.22.16	MAH	REVISE/RESUBMIT

GENERAL NOTES FOR TOP LAYOUTS

- ALL SINK CUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.
 - ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
 - ALL NUMBERED CURBS TO BE SHIPPED LOOSE.
 - ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
 - ALL SINK CORNERS FOR "ULXAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
 - ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.
- V** - FINISH SURFACE AND RELIEVE EDGES
R - RELIEVE CORNERS
G - 7/8" DRILL FOR GAS COOK
G2 - 3/4" DRILL FOR GAS COOK PANEL MOUNTED
A - 7/8" DRILL FOR AIR COOK
A2 - 3/4" DRILL FOR AIR COOK PANEL MOUNTED
V - 7/8" DRILL FOR VACUUM COOK
V2 - 3/4" DRILL FOR VACUUM COOK PANEL MOUNTED
E - 1-1/8" DRILL FOR PEDESTAL ELECTRIC
C - MARK EACH PIECE AS SHOWN
DG - DRIP GROOVE ON BOTTOM SIDE
CW - 3/4" DRILL FOR COLD WATER FAUCET
OW - 7/8" DRILL FOR DISTILLED WATER FAUCET
HW - 3/4" DRILL FOR HOT WATER FAUCET
HW2 - 7/8" DRILL FOR HOT WATER FAUCET
OW - 7/8" DRILL FOR DISTILLED WATER FAUCET
CX - SEE CX DETAIL
MX - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET
RS - 1-1/8" DRILL FOR ROD SOCKET
FP - SEE FLUSH PLATE DETAIL
HX - SEE HX DETAIL
SE - 2-3/8" X 3-5/8" CUTOUT FOR SINGLE ELECTRIC
DE - 3-5/8" X 4-3/8" CUTOUT FOR DOUBLE ELECTRIC
DI - 7/8" DRILL FOR DEIONIZED WATER FEATURE
B/J - BUTT JOINT
C.T.F. - CUT TO FIT AT JOBSITE
IF VANDAL RESISTANT FIXTURES/FAUCETS ARE PROVIDED, REFERENCE DETAILS.

GENERAL NOTES FOR ROUGH-IN

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 - SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVEALS REQUIRED.
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 - ONLY ITEMS TO BE SUPPLIED BY ICI ARE ROUGHED-IN.
- IF TRAPS ARE TO BE FURNISHED BY ICI**
- IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK CUTOUT. MINIMUM AND MAXIMUM HEIGHT OF WASTE STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES WITHIN THE AVAILABLE PLUMBING SPACE.
 - IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK CUTOUT. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
 - NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.
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- IF SERVICES STUB-OUT THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
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ROUGH-IN LEGEND

W - WASTE	V - VACUUM
CW - COLD WATER	S - STEAM
HW - HOT WATER	E - 115 V.A.C. ELECTRIC
DW - DISTILLED WATER	E1 - 220 V.A.C. ELECTRIC
DI - DEIONIZED WATER	S.O. - (S) SINK CUTOUT
G - GAS	F.C. - FIRE CHASE
A - AIR	F - FILLER

ELEVATION LEGEND

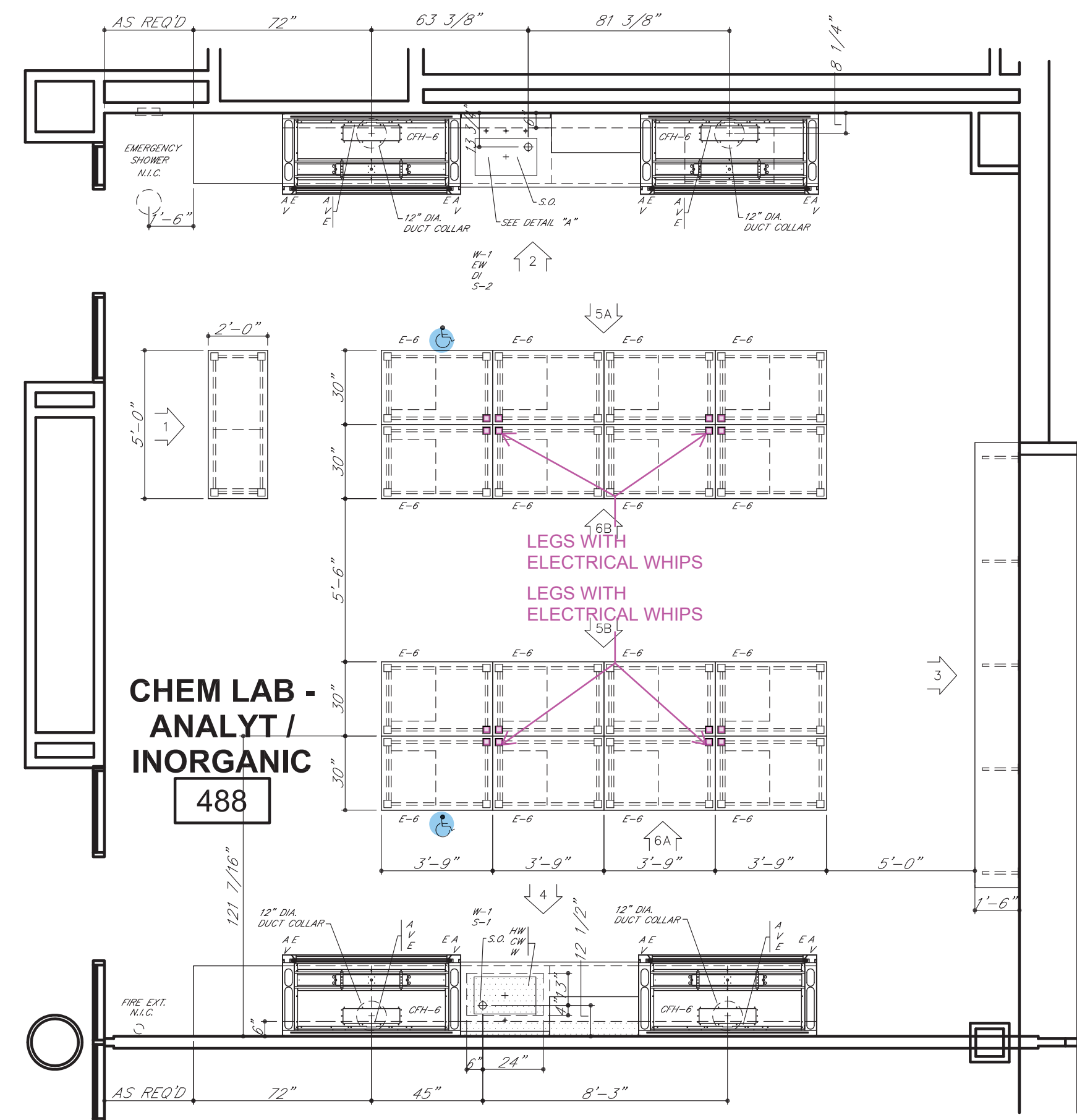
A.S. - ADJUSTABLE SHELF	F.S. - MASTERKEYED LOCK
LTH - 3 PT. LATCHING HANDLE	F.C/P - REAR CLOSURE PANEL
W/H - 3 PT. LOCKING HANDLE	F/C/P - FRONT CLOSURE PANEL
RMS - REVOLVING METAL SHELF	P.S. - PULL OUT SHELF

ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRICAL JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN, MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.

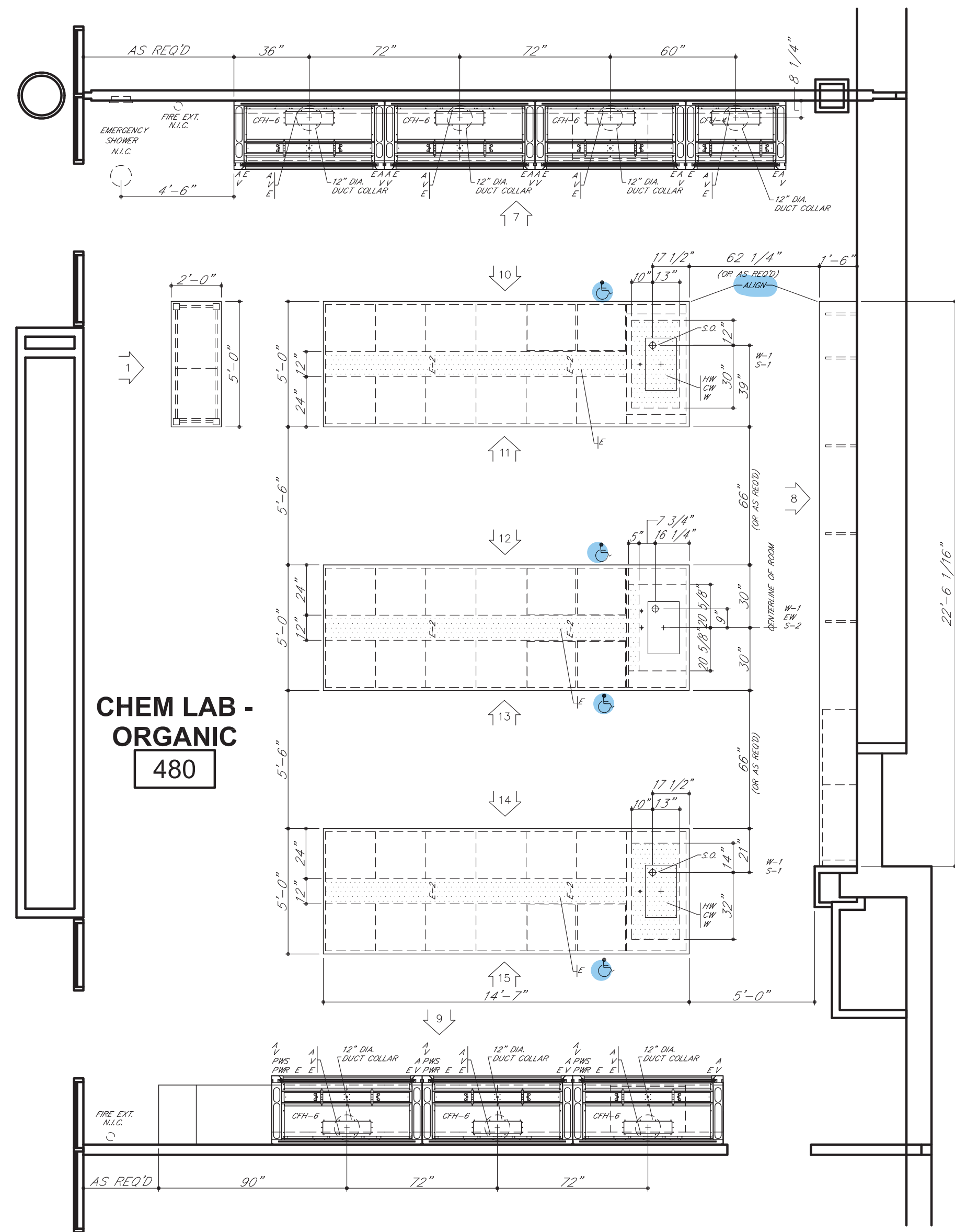
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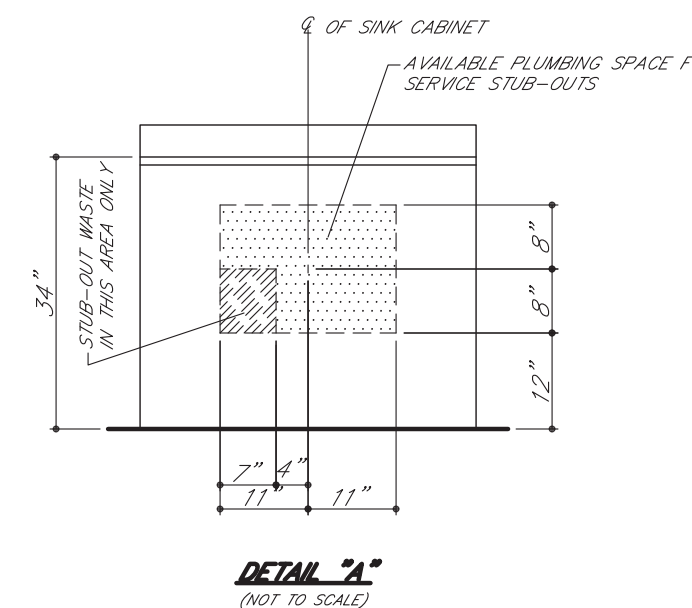
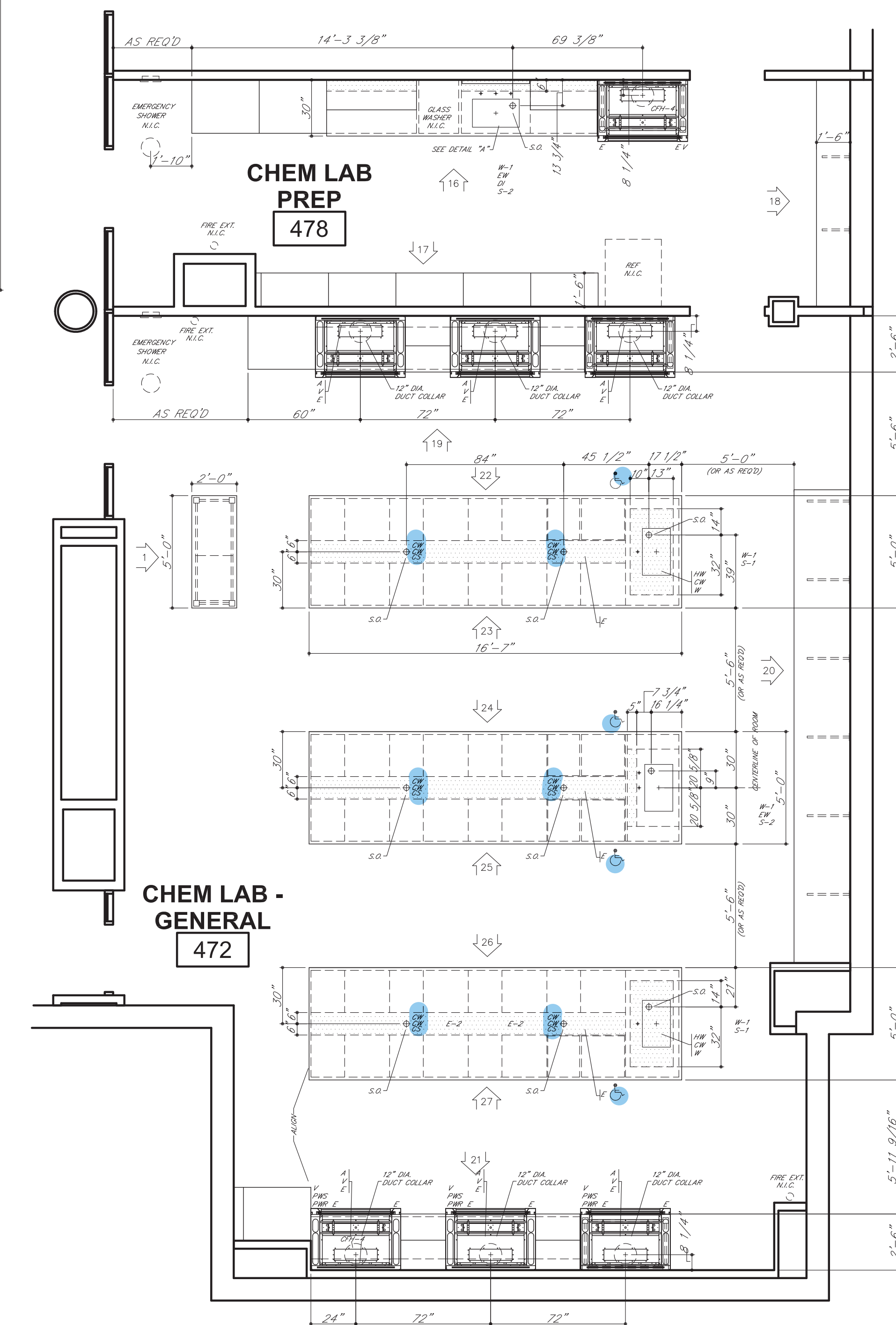
DIST. CARROLL SEATING	JOB NO. 044370
DRN. BY C. MARTIN	CKD. BY
DATE 09/28/16	DWG. NO. 044370E4
SCALE 3/8" = 1'-0"	SHEET 6 OF 6



PARTIAL FLOOR PLAN
LEVEL 04 - AREA A- CHEMISTRY EAST
NORTH



PARTIAL FLOOR PLAN
LEVEL 04 - AREA A- CHEMISTRY EAST
SOUTH



SYM	DATE	BY	REVISIONS
Δ	01.04.17	MAH	REVISE/RESUBMIT
Δ	12.22.16	MAH	REVISE/RESUBMIT

- GENERAL NOTES FOR TOP LAYOUTS**
1. ALL SINK CUTOUPS FOR UNDERCOUNTER SINKS TO BE FINISHED IN-SIDE.
 2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
 3. ALL NUMBERED CURBS TO BE SHIPPED LOOSE.
 4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
 5. ALL SINK CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
 6. ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.

- GENERAL NOTES FOR ROUGH-IN**
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 2. IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK OUTLET. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
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- ROUGH-IN LEGEND**
- | | |
|----------------------|--------------------------|
| W - WASTE | S - VACUUM |
| CW - COLD WATER | HS - STEAM |
| HW - HOT WATER | 115 V.A.C. ELECTRIC |
| DW - DISTILLED WATER | ET - 220 V.A.C. ELECTRIC |
| DI - DEIONIZED WATER | S.O. - (S) SINK OUTLET |
| G - GAS | P.C. - PIPE CROSS |
| A - AIR | |

- ELEVATION LEGEND**
- | | |
|-----------------------------|----------------------------|
| AS - ADJUSTABLE SHELF | F.S. - MASTERKEYED LOCK |
| LTH - 3 FT. LATCHING HANDLE | R/C/P - REAR CLOSURE PANEL |
| UMH - 18 FT. LOCKING HANDLE | F - FRONT CLOSURE PANEL |
| RMS - REVOLVING METAL SHELF | |
| P.S. - PULL OUT SHELF | |

ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE SHADDED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES TO MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.

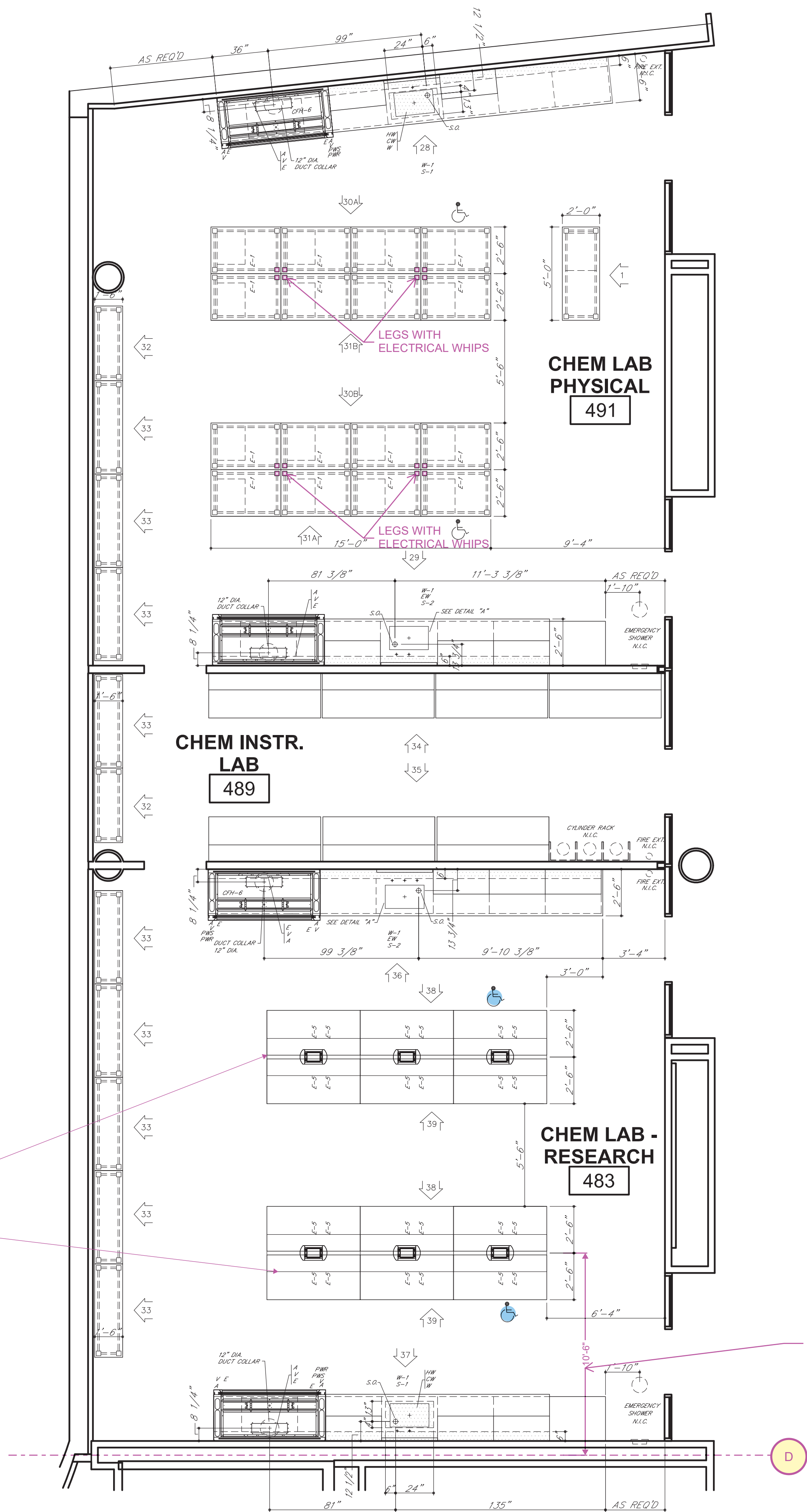
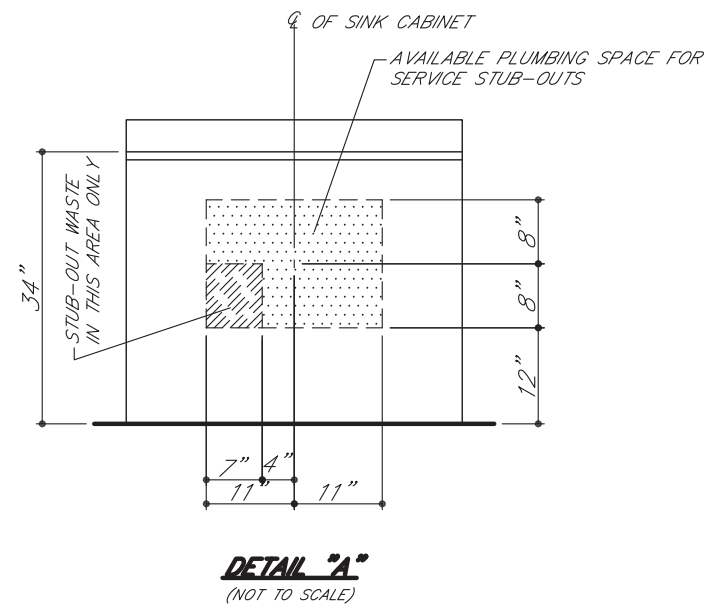


INSTITUTIONAL CASEWORK INC.
1855 North Market Street
Paris, TN 38242
(731) 642-4251

SCIENCE EQUIPMENT ROUGH-IN
WEBSTER UNIVERSITY
WEBSTER GROVES, MO

DIST. CARROLL SEATING	JOB NO. 044370
DRN. BY C. MARTIN	CKD. BY
DATE 09/30/16	DWG. NO. 044370R1
SCALE 1/4" = 1'-0"	SHEET 1 OF 8

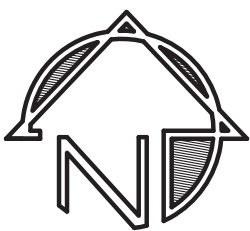




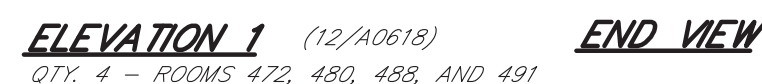
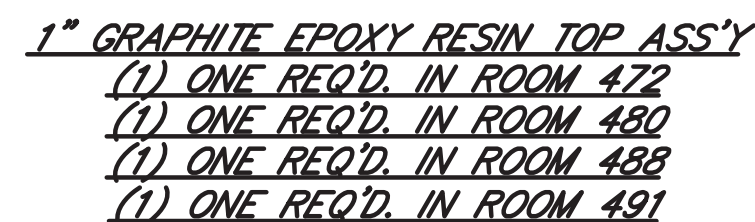
PROVIDE FIXTURES ON OVERHEAD SERVICE CARRIER PER DIMENSIONS ON A02xx DRAWINGS. TYPICAL FOR ALL OVERHEAD SERVICE CARRIERS IN THE PROJECT.

GC TO COORDINATE CASEWORK LOCATION FOR ALL LAB CASEWORK PER A02xx DRAWINGS, TYPICAL.

PARTIAL FLOOR PLAN
LEVEL 04 - AREA A- CHEMISTRY WEST

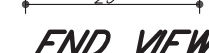
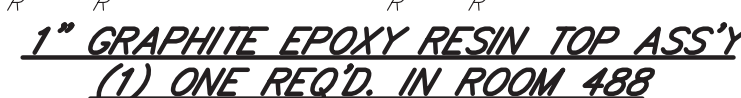


Δ	01.04.17	MAH	REVISE/RESUBMIT
Δ	12.22.16	MAH	REVISE/RESUBMIT
SYM	DATE	BY	REVISIONS
GENERAL NOTES FOR TOP LAYOUTS			
1. ALL SINK CUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED IN-SIDE. 2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS. 3. ALL NUMBERED CURBS TO BE SHIPPED LOOSE. 4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS. 5. ALL SINK CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS. 6. ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.			
TOP LAYOUT LEGEND			
V - FINISH SURFACE AND RELIEVE EDGES R - RELIEVE CORNERS G - 7/8" DRILL FOR GAS COCK G2 - 3/4" DRILL FOR GAS COCK PANEL MOUNTED A - 7/8" DRILL FOR AIR COCK A2 - 3/4" DRILL FOR AIR COCK PANEL MOUNTED V - 7/8" DRILL FOR VACUUM COCK V2 - 3/4" DRILL FOR VACUUM COCK PANEL MOUNTED E - 1-1/8" DRILL FOR PEDESTAL ELECTRIC O - MARK EACH PIECE AS SHOWN OG - DRIP GROOVE ON BOTTOM SIDE CW - 3/4" DRILL FOR COLD WATER FAUCET CW2 - 7/8" DRILL FOR COLD WATER FAUCET HW - 3/4" DRILL FOR HOT WATER FAUCET HW2 - 7/8" DRILL FOR HOT WATER FAUCET DW - 7/8" DRILL FOR DISTILLED WATER FAUCET CX - SEE CX DETAIL MX - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET RS - 1-1/8" DRILL FOR ROD SOCKET FP - SEE FLUSH PLATE DETAIL HX - SEE HX DETAIL VX - SEE VX DETAIL SE - 2-3/8" X 3-5/8" CUTOUT FOR SINGLE ELECTRIC DE - 3-5/8" X 4-3/8" CUTOUT FOR DOUBLE ELECTRIC DI - 7/8" DRILL FOR DEIONIZED WATER FIXTURE B/J - BUTT JOINT C.T.F. - CUT TO FIT AT JOBSITE IF VANDAL RESISTANT FIXTURES/FAUCETS ARE PROVIDED, REFERENCE DETAILS.			
GENERAL NOTES FOR ROUGH-IN			
1. SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA. 2. SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVENTS REQUIRED. 3. ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE. 4. ONLY ITEMS TO BE SUPPLIED BY CampbellRhea ARE ROUGHED-IN.			
IF TRAPS ARE TO BE FURNISHED BY CampbellRhea			
1. IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF WASTE, STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES TO BE APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 3" APART. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE. 2. IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK OUTLET. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE. 3. NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.			
IF TRAPS ARE TO BE FURNISHED BY OTHERS			
1. IF SERVICES STUB-OUT THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE. 2. IF SERVICES STUB-UP THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL SERVICES SHOULD STUB-UP 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE. 3. DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR TAILPIECE. REFER TO SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE TO VERIFY WHICH IS APPLICABLE.			
ROUGH-IN LEGEND			
W - WASTE CW - COLD WATER HW - HOT WATER DW - DISTILLED WATER DI - DEIONIZED WATER G - GAS A - AIR	V - VACUUM S - STEAM E - 115 V.A.C. ELECTRIC ET - 220 V.A.C. ELECTRIC S.O. - (S) SINK OUTLET P.C. - PIPE CROSS		
ELEVATION LEGEND			
A.S. - ADJUSTABLE SHELF LTH - 3 FT. LATCHING HANDLE LWH - 3 FT. LOCKING HANDLE RMS - REVOLVING METAL SHELF P.S. - PULL OUT SHELF	F.S. - MASTERKEYED LOCK F.S. - FIXED SHELF R/C/P - REAR CLOSURE PANEL F/C/P - FRONT CLOSURE PANEL F - FILLER		
ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE, TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.			
INSTITUTIONAL CASEWORK INC. 1855 North Market Street Paris, TN 38242 (731) 642-4251			
CampbellRhea INSTITUTIONAL CASEWORK INC.			
SCIENCE EQUIPMENT ROUGH-IN WEBSTER UNIVERSITY WEBSTER GROVES, MO			
DIST.	CARROLL SEATING	JOB NO.	044,570
DRN. BY	C. MARTIN	CKD. BY	
DATE	09/30/16	DWG. NO.	044370R2
SCALE	1/4" = 1'-0"	SHEET	2 OF 8



GENERAL NOTES FOR TOP LAYOUTS

1. ALL SINK CUTOFFS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.
2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
3. ALL NUMBERED CURBS TO BE SHIPPED LOOSE.
4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
5. ALL SINK CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
6. ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.



IF VANDAL RESISTANT FIXTURES/FAUCETS ARE PROVIDED, REFERENCE DETAILS.

GENERAL NOTES FOR ROUGH-IN

1. SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.
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3. ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.
4. ONLY ITEMS TO BE SUPPLIED BY *ICI* ARE ROUGHED-IN.

**IF TRAPS ARE TO BE FURNISHED
BY OTHERS**

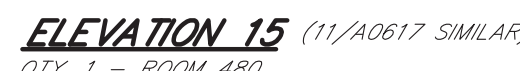
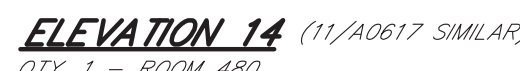
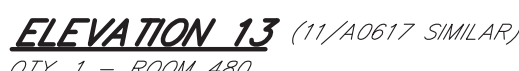
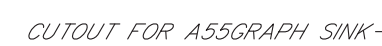
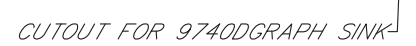
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3. DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR ALTERNATELY, REFER TO DRAWING OF SINK OR SHOP DRAWING BROCHURE TO VERIFY WHICH IS APPLICABLE.

ELEVATION LEGEND

A.S. - ADJUSTABLE SHELF	* - MASTERKEYED LOCK
LTH - 3 PT. LATCHING HANDLE	F.S. - FIXED SHELF
LKH - 3 PT. LATCHING HANDLE	R/C/P - REAR CLOSURE PANEL
RMS - REVOLVING METAL SHELF	F/C/P - FRONT CLOSURE PANEL
P.S. - PULL OUT SHELF	F - FILLER



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DATE	BY	REVISIONS
GENERAL NOTES FOR TOP LAYOUTS 1. ALL SINK CUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE. 2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS. 3. ALL NUMBERED CURBS TO BE SHIPPED LOOSE. 4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS. 5. ALL SINK CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS. 6. ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.		

- TOP LAYOUT LEGEND**
- V - FINISH SURFACE AND RELIEVE EDGES
R - RELIEVE CORNERS
C - 7/8" DRILL FOR GAS COCK
C2 - 3/4" DRILL FOR GAS COCK PANEL MOUNTED
A - 7/8" DRILL FOR AIR COCK
V2 - 3/4" DRILL FOR AIR COCK PANEL MOUNTED
V3 - 7/8" DRILL FOR AIR COCK PANEL MOUNTED
V4 - 3/4" DRILL FOR VACUUM COCK PANEL MOUNTED
E - 1-1/8" DRILL FOR PEDISTAL ELECTRIC
SW - 3/4" DRILL FOR SWITCH EACH FACE
DG - DRG GROOVE ON BOTTOM SIDE
CW - 3/4" DRILL FOR COLD WATER FAUCET
HW - 7/8" DRILL FOR COLD WATER FAUCET
CH - 3/4" DRILL FOR HOT WATER FAUCET
HW2 - 7/8" DRILL FOR HOT WATER FAUCET
DW - 7/8" DRILL FOR DISTILLED WATER FAUCET
CS - SEE CX DETAIL
MX - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET
RS - 1-1/8" DRILL FOR ROD SOCKET
FP - SEE FLUSH PLATE DETAIL
VK - SEE VK DETAIL
VX - SEE VX DETAIL
SE - 3/8" x 3-5/8" CUTOUT FOR SINGLE ELECTRIC
SE2 - 3-5/8" x 4-3/8" CUTOUT FOR DOUBLE ELECTRIC
D2 - 7/8" DRILL FOR DEIONIZED WATER FIXTURE
B/A - BUTT JOINT
C.T.F. - CUT TO FIT AT JOBSITE

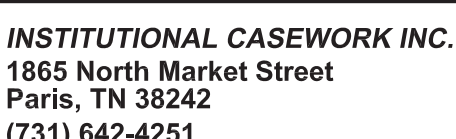
- IF WANDAL RESISTANT FIXTURES/FAUCETS ARE PROVIDED, REFERENCE DETAILS.
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BY **ICI**
IF TRAPS ARE TO BE FURNISHED
1. IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK-OUT. MINIMUM AND MAXIMUM HEIGHT OF WASTE STUB-OUT TO BE AS INDICATED FOR EACH UNIT. "Y" ABOVE FINISHED FLOOR. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 1" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
 2. IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED DIRECTLY BEHIND SINK-OUT. WASTE SERVICE STUB-UP SHOULD BE APPROXIMATELY 1" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
 3. NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING PREPARED FOR EACH SINK UNIT. UPON APPROVAL OF THESE DETAILS, THE TYPE OF TRAP TO BE USED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.
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- BY OTHERS**
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 3. DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES DISTANCE FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR TAP/PIPE. REFER TO SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE TO VERIFY WHICH IS APPLICABLE.

- | ROUGH-IN LEGEND | |
|----------------------|--------------------------|
| W - WASTE | V - VACUUM |
| CW - COLD WATER | S - STEAM |
| HW - HOT WATER | E = 115 V.A.C. ELECTRIC |
| DW - DISTILLED WATER | E1 = 220 V.A.C. ELECTRIC |
| DI - DEIONIZED WATER | S.O. = (⊕) SINK OUTLET |
| G - GAS | P.C. = PIPE CHASE |
| A - AIR | |

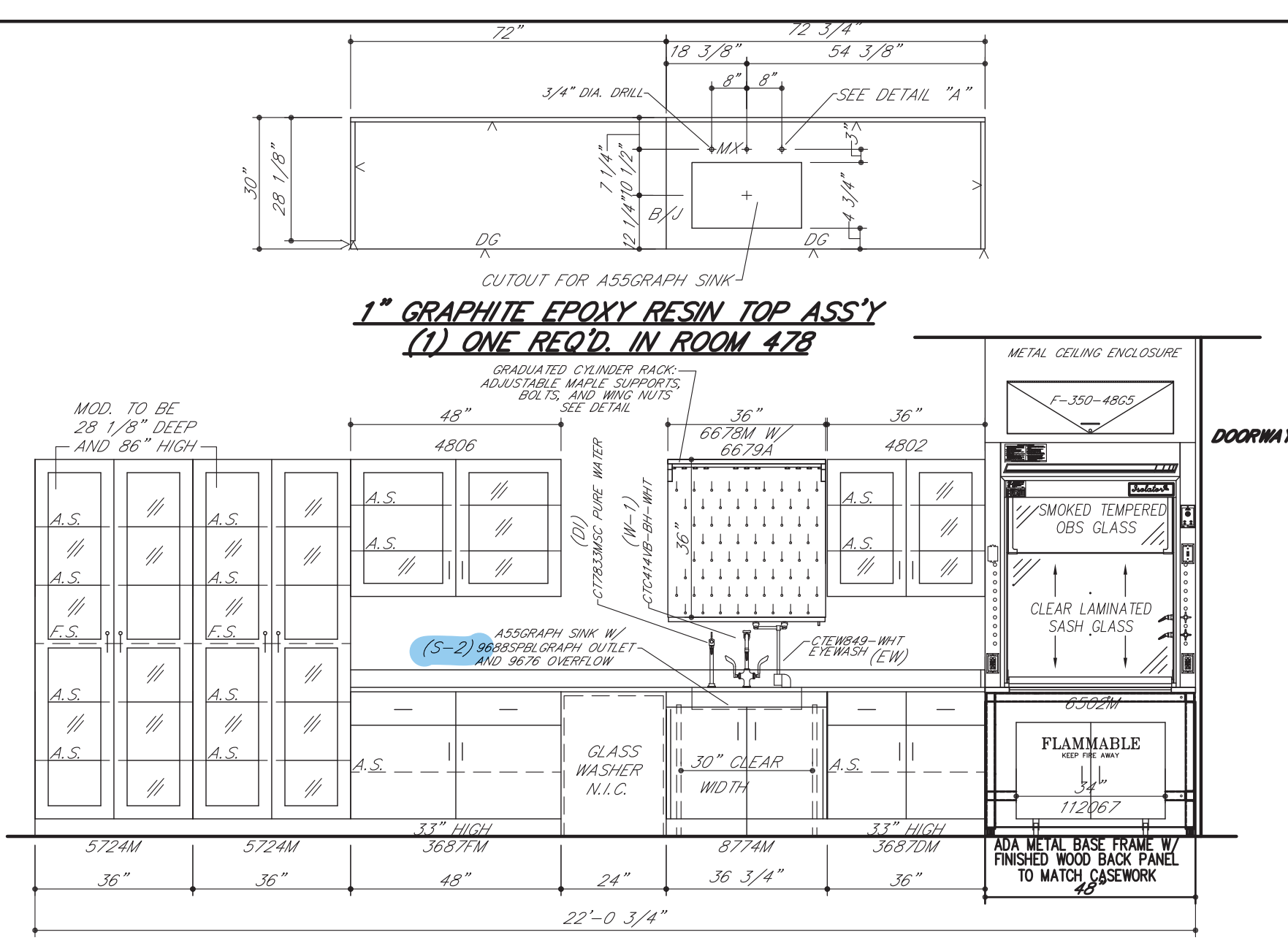
- ### ELEVATION LEGEND
- | | |
|---|--|
| <p>A.S. - ADJUSTABLE SHELF</p> <p>LTH - 3 PT. LATCHING HANDLE</p> <p>LKH - 3 PT. LOCKING HANDLE</p> <p>RMS - REVOLVING METAL SHELF</p> <p>P.S. - PULL OUT SHELF</p> | <p>* - MASTERKEYED LOCK</p> <p>F.S. - FIXED SHELF</p> <p>R/C/P - REAR CLOSURE PANEL</p> <p>F/C/P - FRONT CLOSURE PANEL</p> <p>F - FILLER</p> |
|---|--|

ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE, TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE MECHANICAL AREA (REFERRED TO AS PLUMBING SNAKE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, SERVICE VALVES, LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY MADE BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.

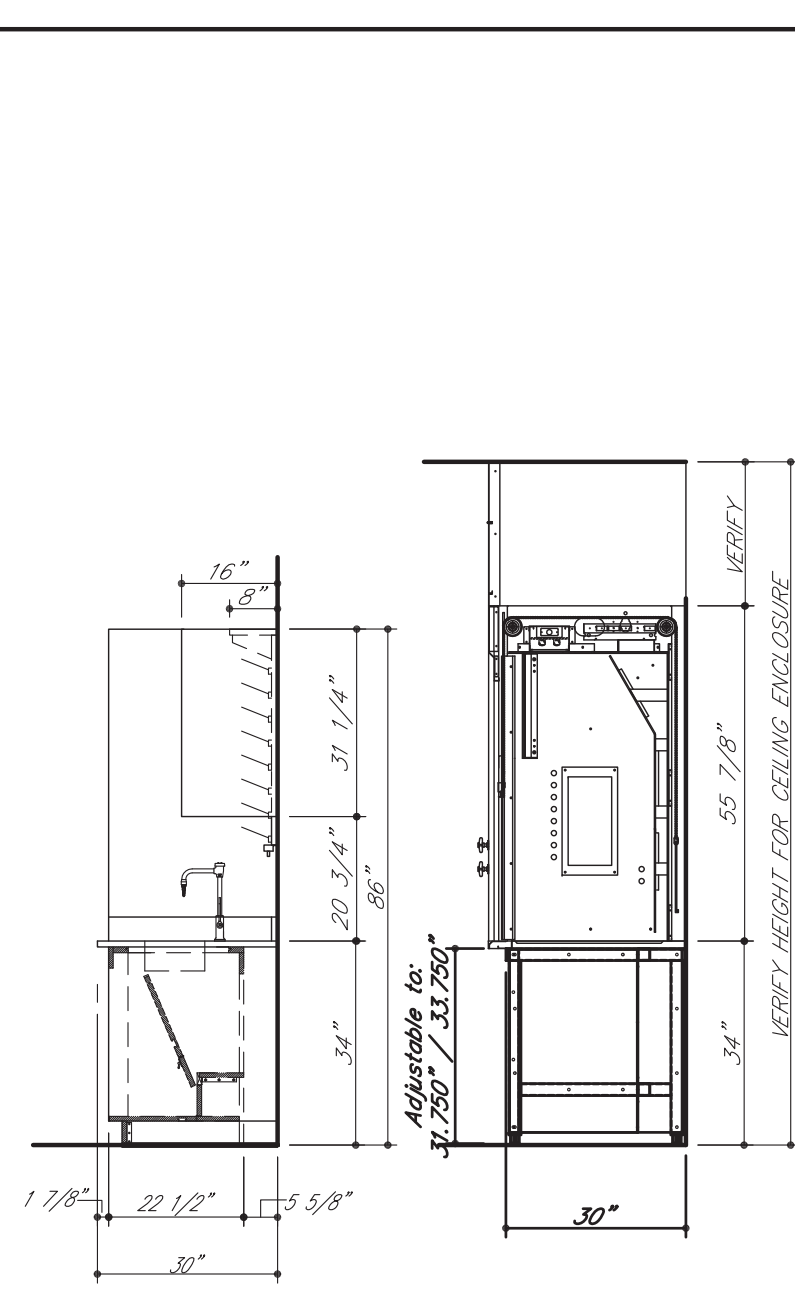


EQUIP. ELEVATIONS & TOP L.O.
WEBSTER UNIVERSITY
WEBSTER GROVES, MO

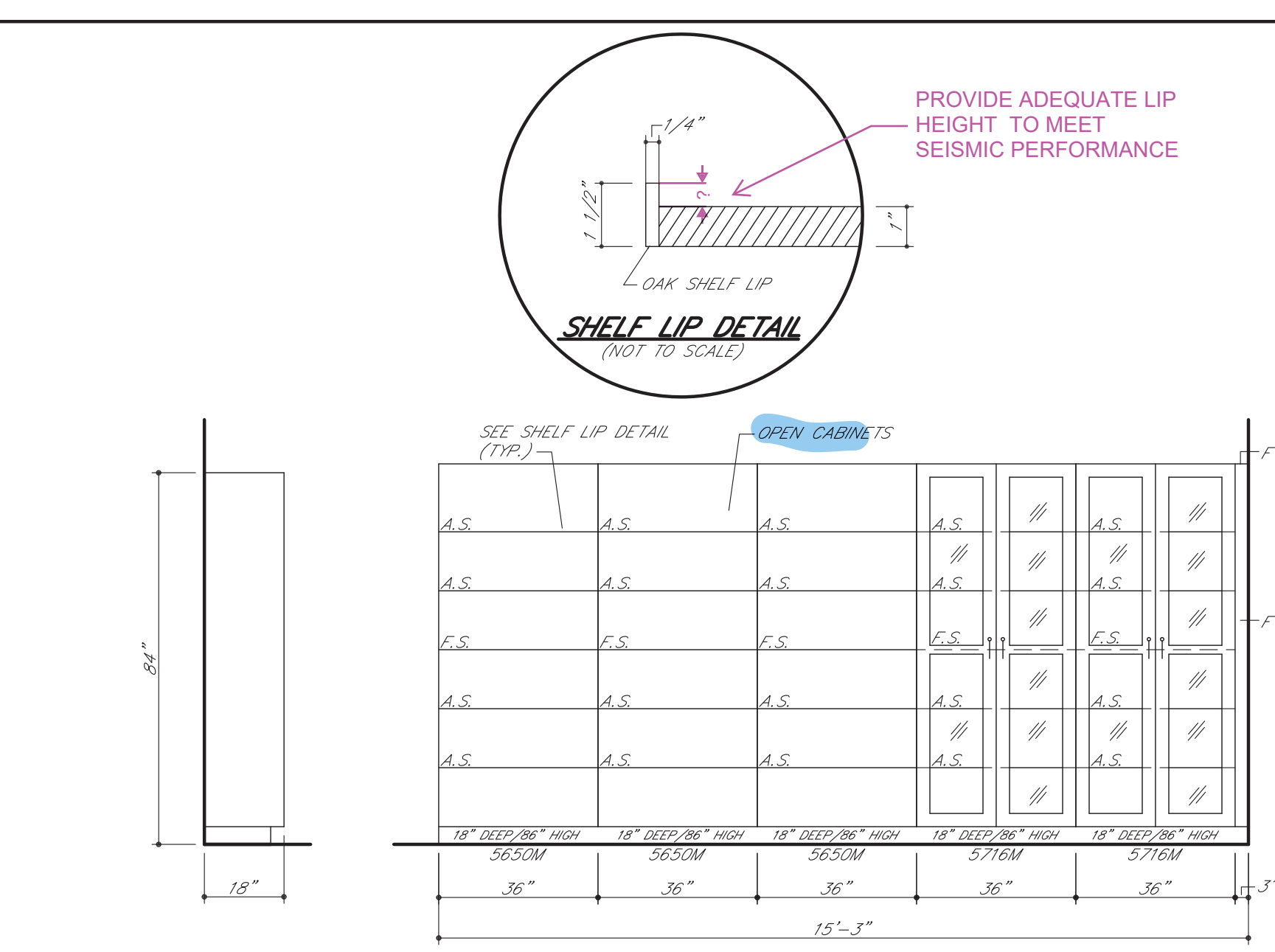
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DRN. BY <i>C. MARTIN</i>	CKD. BY
DATE <i>09/30/16</i>	DWG. NO. <i>04437DE2</i>
SCALE <i>3/8" = 1'-0"</i>	SHEET <i>4</i> OF <i>8</i>



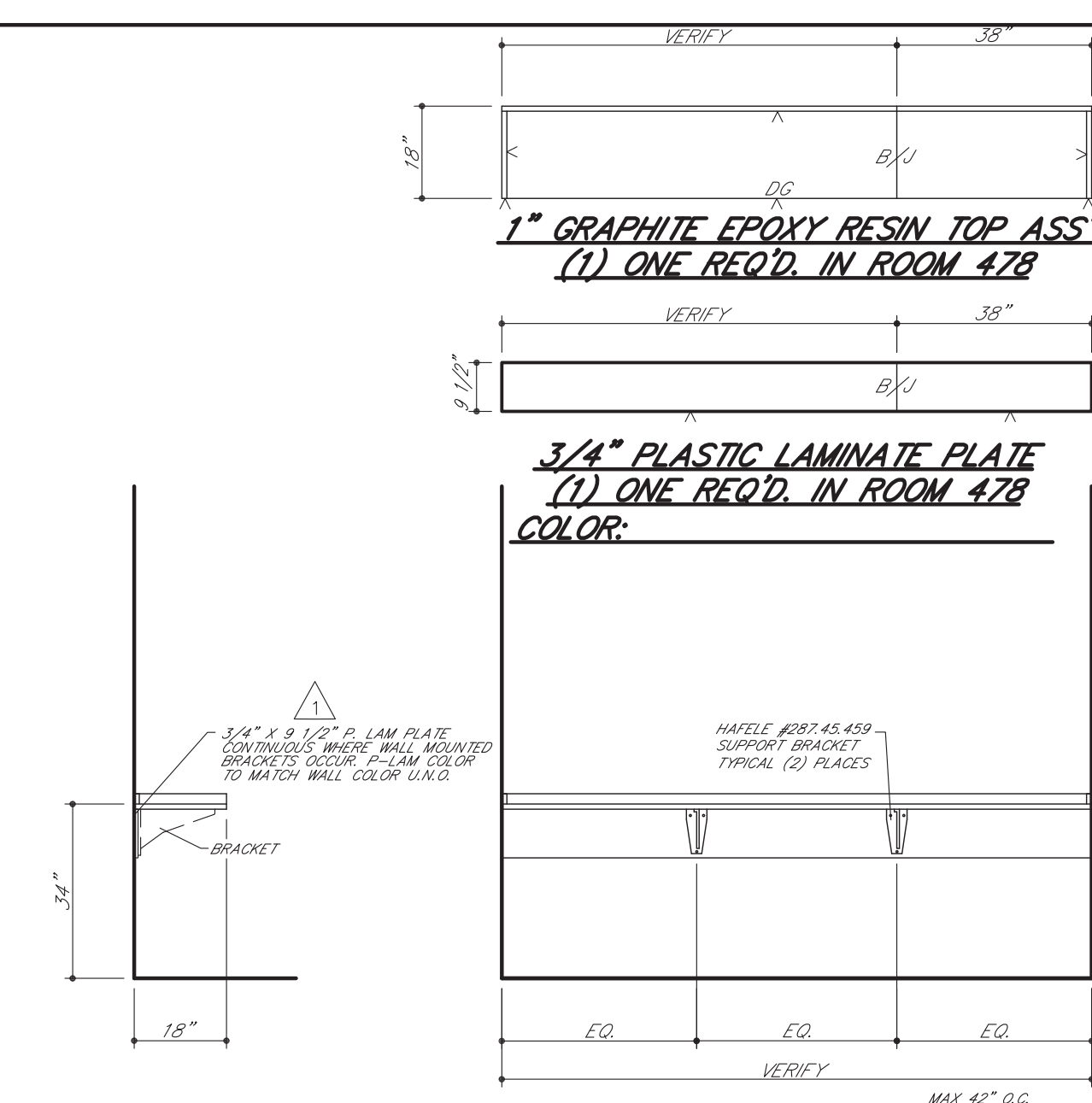
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EYEWASH PROVIDED WITH AP-3600 THERMOSTATIC MIXING VALVE UNIT



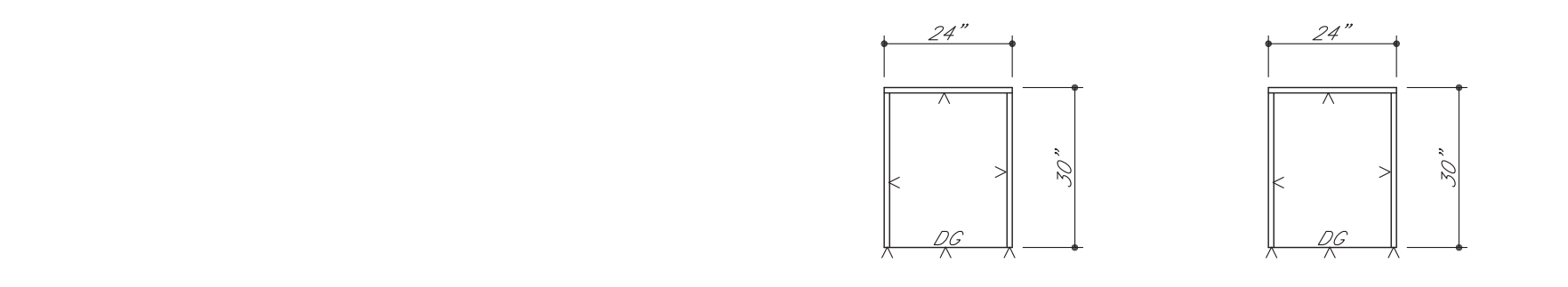
END VIEW
END VIEW AT FUMEHOOD



ELEVATION 17 (6/1/0617)
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ELEVATION 18 (5/1/0617)
QTY: 1 - ROOM 478



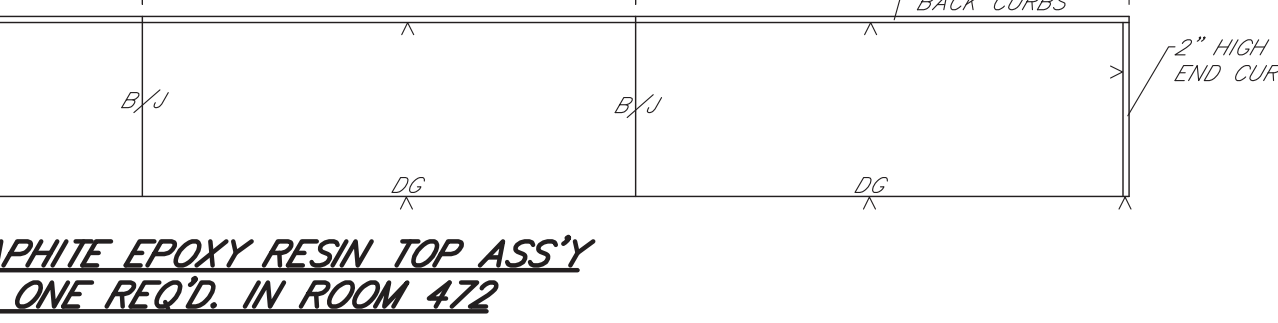
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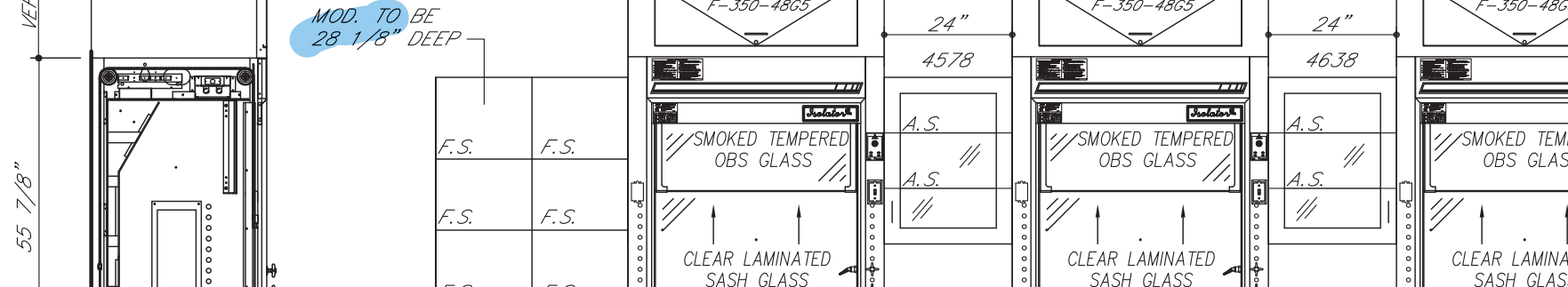
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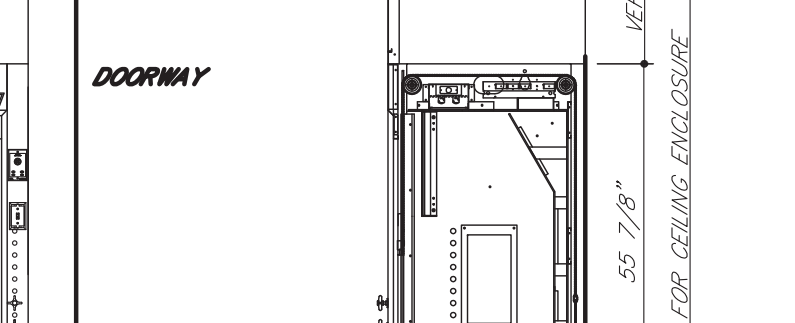
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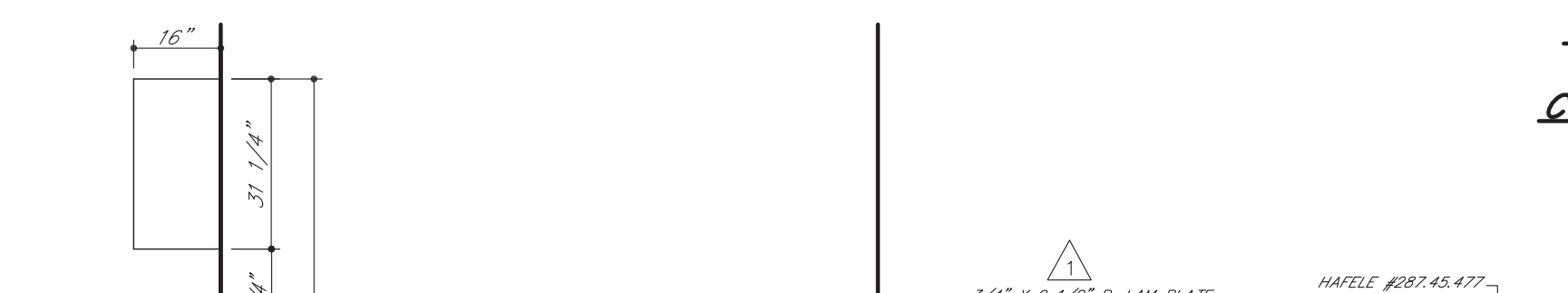
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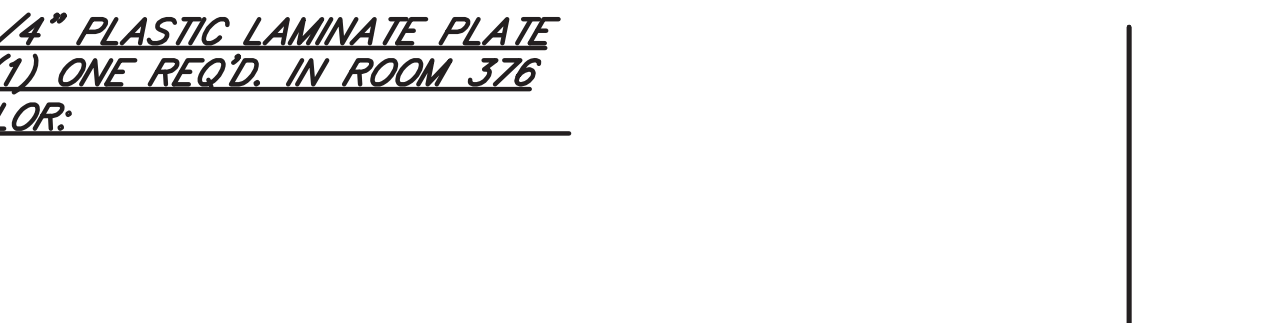
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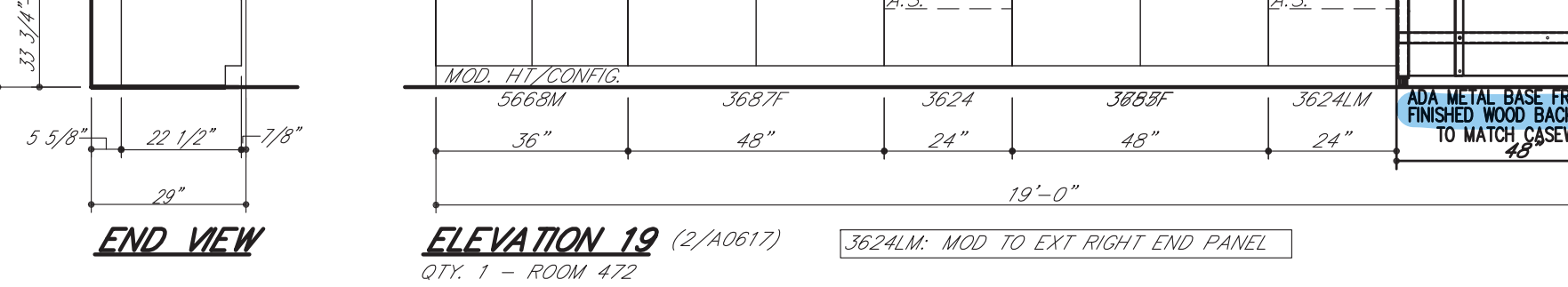
END VIEW



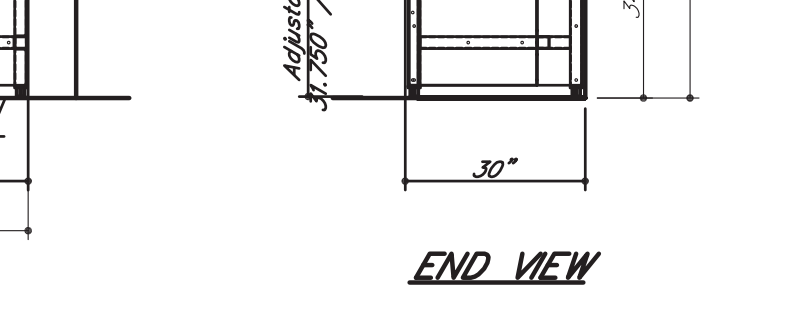
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QTY: 1 - ROOM 472



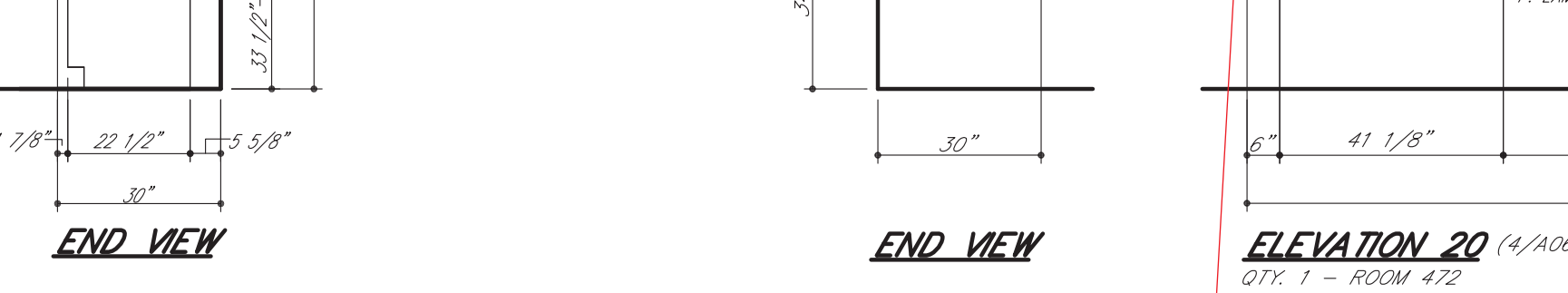
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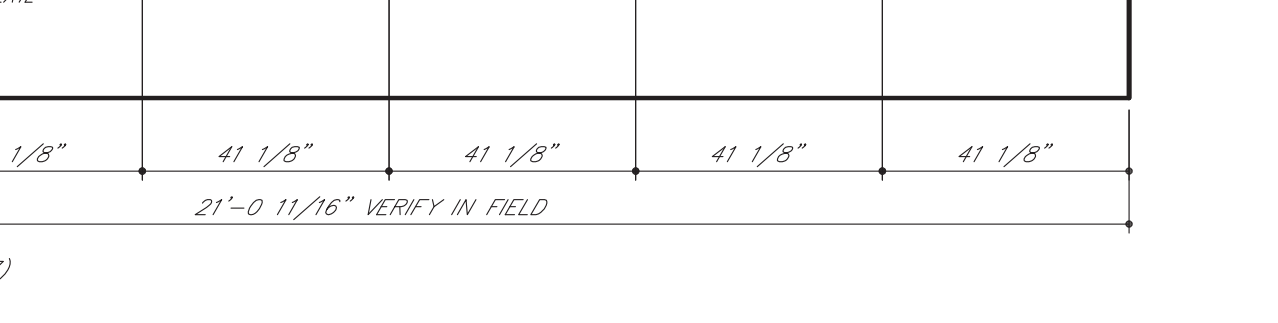
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QTY: 1 - ROOM 472



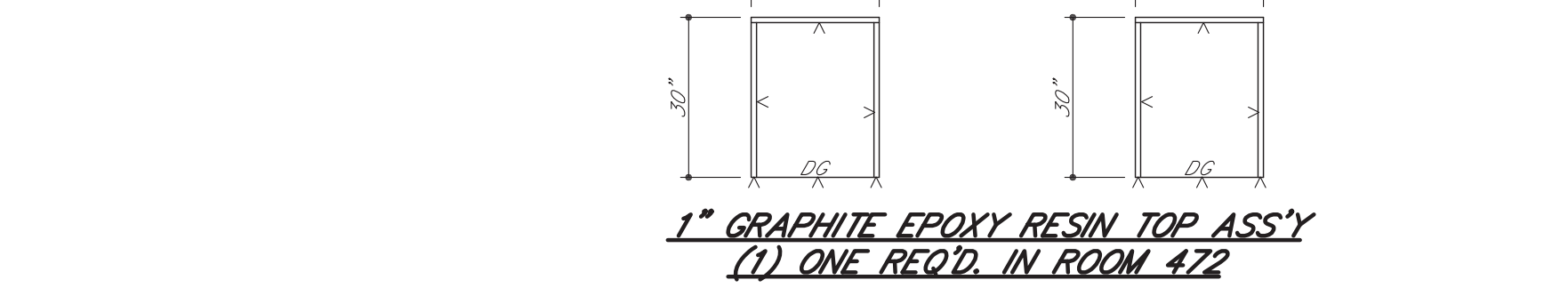
END VIEW



ELEVATION 26 (1/1/0617)
QTY: 1 - ROOM 472



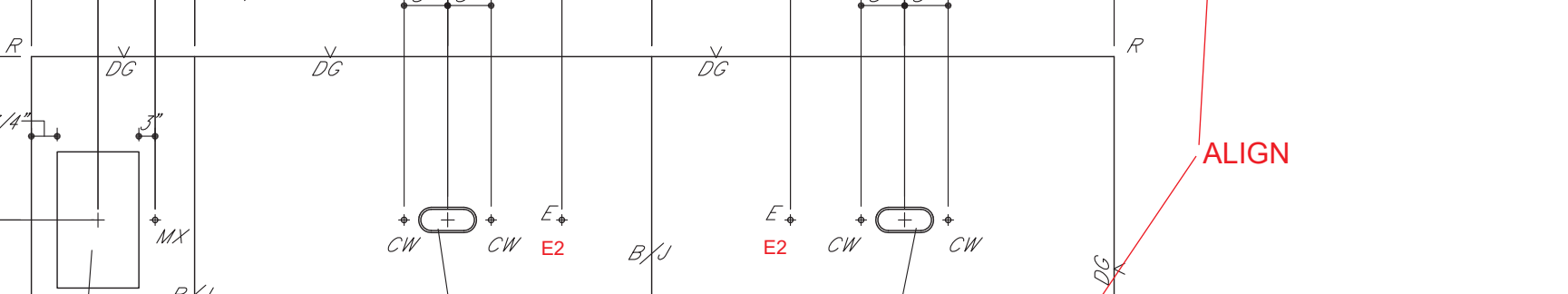
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QTY: 1 - ROOM 472



ELEVATION 28 (1/1/0617)
QTY: 1 - ROOM 472



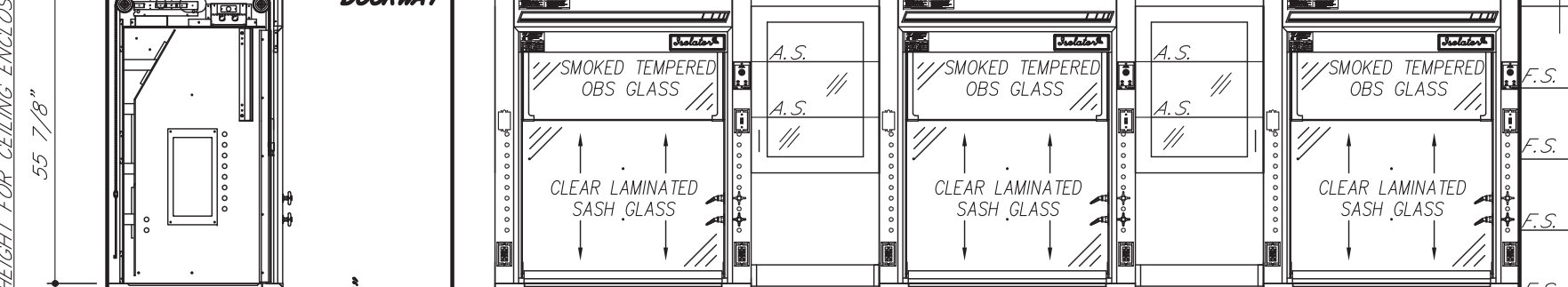
END VIEW



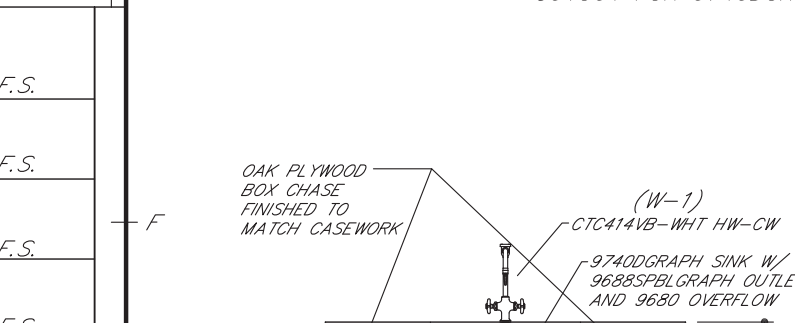
ELEVATION 29 (1/1/0617)
QTY: 1 - ROOM 472



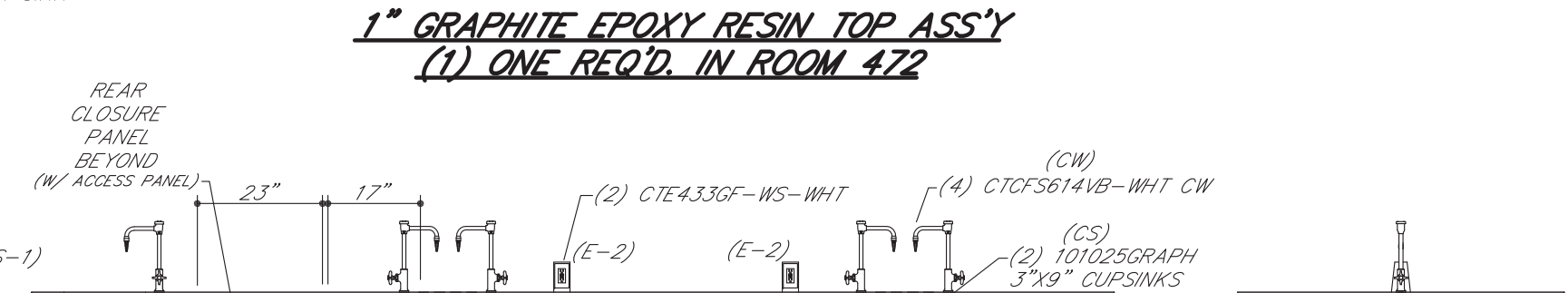
ELEVATION 30 (1/1/0617)
QTY: 1 - ROOM 472



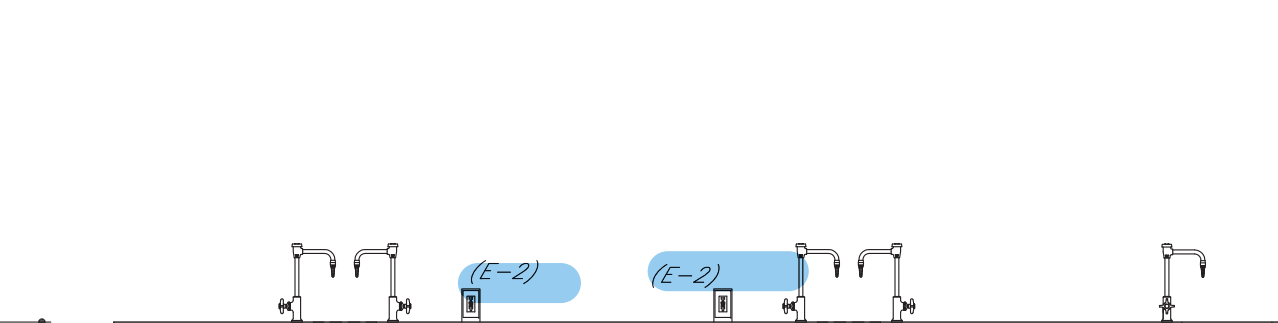
ELEVATION 31 (1/1/0617)
QTY: 1 - ROOM 472



END VIEW

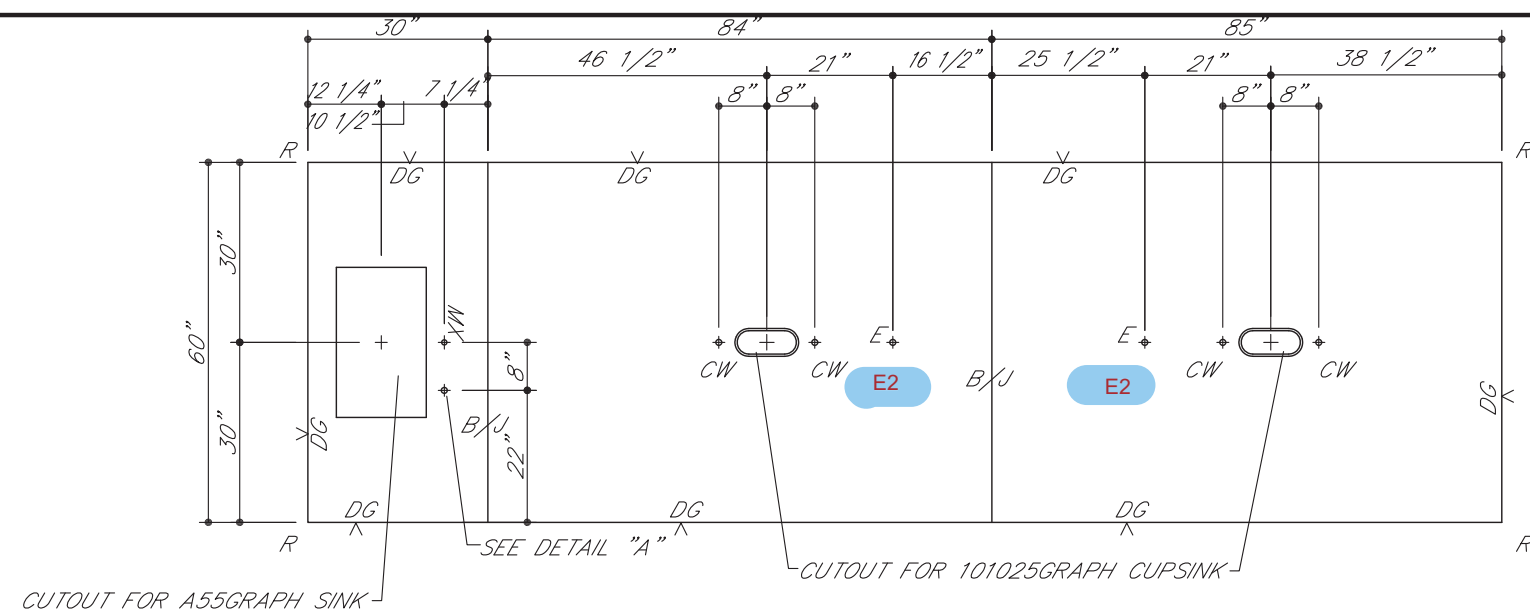


ELEVATION 32 (1/1/0617)
QTY: 1 - ROOM 472

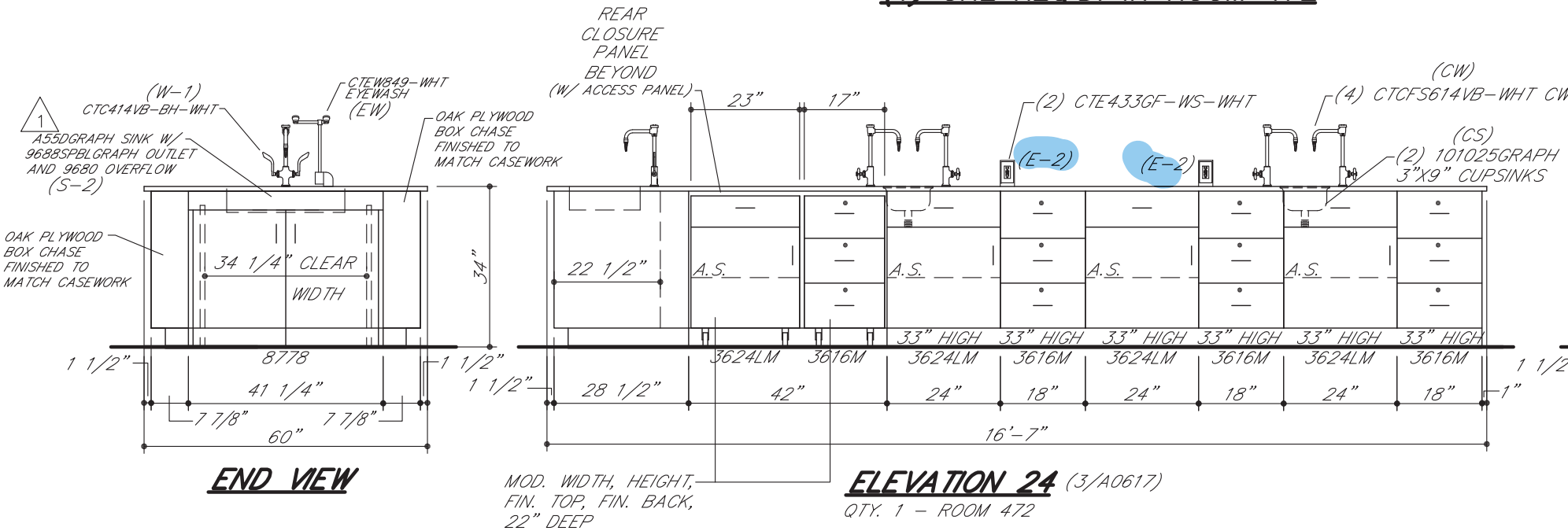


ELEVATION 33 (1/1/0617)
QTY: 1 - ROOM 472

SYM	DATE	BY	REVISIONS
	01.04.17	MAH	REVISE/RESUBMIT
	12.22.16	MAH	REVISE/RESUBMIT
GENERAL NOTES FOR TOP LAYOUTS			
1. ALL SINK COUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.			
2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.			
3. ALL NUMBERED CURBS TO BE SHIPPED LOOSE.			
4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.			
5. ALL SINK CORNERS FOR "DLKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.			
6. ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.			
GENERAL NOTES FOR ROUGH-IN			
1. SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.			
2. SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVEALS REQUIRED.			
3. ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.			
4. ONLY ITEMS TO BE SUPPLIED BY ICI ARE ROUGHED-IN.			
IF TRAPS ARE TO BE FURNISHED BY OTHERS			
1. IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF WASTE STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 18" ABOVE FINISHED FLOOR. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 3" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.			
2. IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK OUTLET. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" ABOVE FINISHED FLOOR. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.			
3. NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.			
ROUGH-IN LEGEND			
W - WASTE	V - VACUUM		
CW - COLD WATER	S - STEAM		
HW - HOT WATER	E - 115 V.A.C. ELECTRIC		
DW - DISTILLED WATER	E1 - 220 V.A.C. ELECTRIC		
DI - DEIONIZED WATER	S.O. - (S) SINK OUTLET		
G - GAS	P.C. - FIRE CHASE		
A - AIR			
ELEVATION LEGEND			
A.S. - ADJUSTABLE SHELF	F.S. - FIXED SHELF		
LTH - 3 FT. LATCHING HANDLE	R/C/P - REAR CLOSURE PANEL		
LKH - 3 FT. LOCKING HANDLE	F/C/P - FRONT CLOSURE PANEL		
RMS - REVOLVING METAL SHELF	F - FILLER		
P.S. - PULL OUT SHELF			
ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO ERECT ROUGHING-IN THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-UP TRAPS, PIPES, LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN, MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.			
EQUIP. ELEVATIONS & TOP L.O. WEBSTER UNIVERSITY WEBSTER GROVES, MO			
DIST. CARROLL SEATING	JOB NO. 04437D		
DRN. BY G. MARTIN	CKD. BY		
DATE 09/30/16	DWG. NO. 04437D23		
SCALE 3/8" = 1'-0"	SHEET 5 OF 8		



1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 472



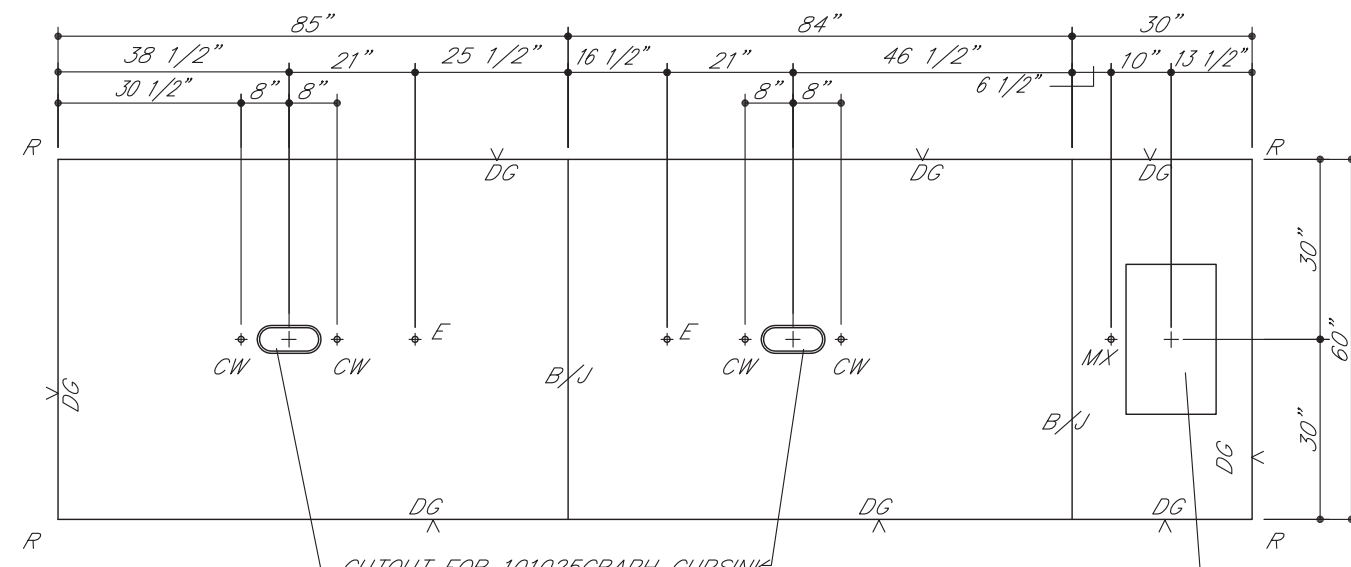
END VIEW

ELEVATION 26 (3/A0617 SIMILAR)
QTY. 1 - ROOM 472

END VIEW

ELEVATION 27 (3/A0617)
QTY. 1 - ROOM 472

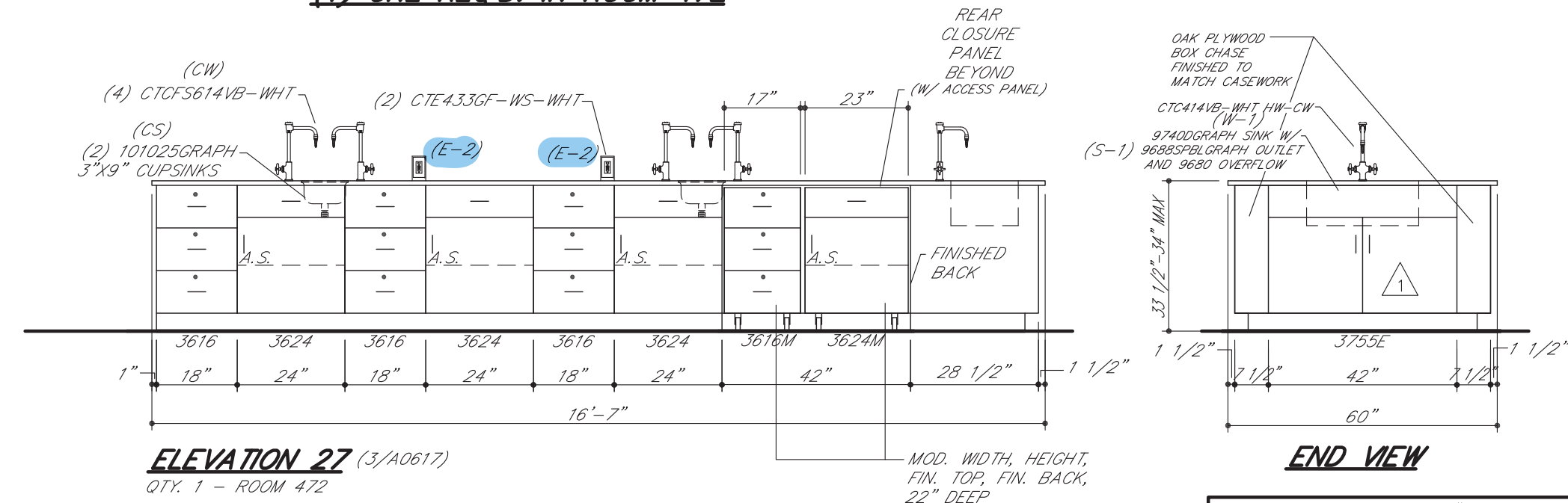
END VIEW



1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 491

1" GRAPHITE EPOXY RESIN
PEGBORD SHELE ASS'Y
(1) ONE REQ'D.

1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 472



1" GRAPHITE EPOXY RESIN
PEGBORD SHELE ASS'Y
(1) ONE REQ'D.

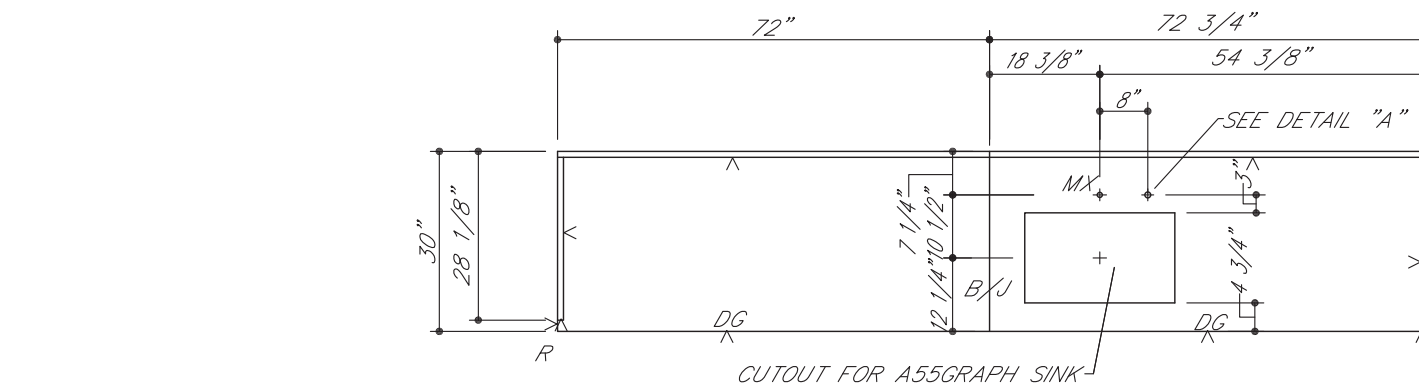
END VIEW

ELEVATION 30A (10/A0618)
QTY. 1 - ROOM 491

END VIEW

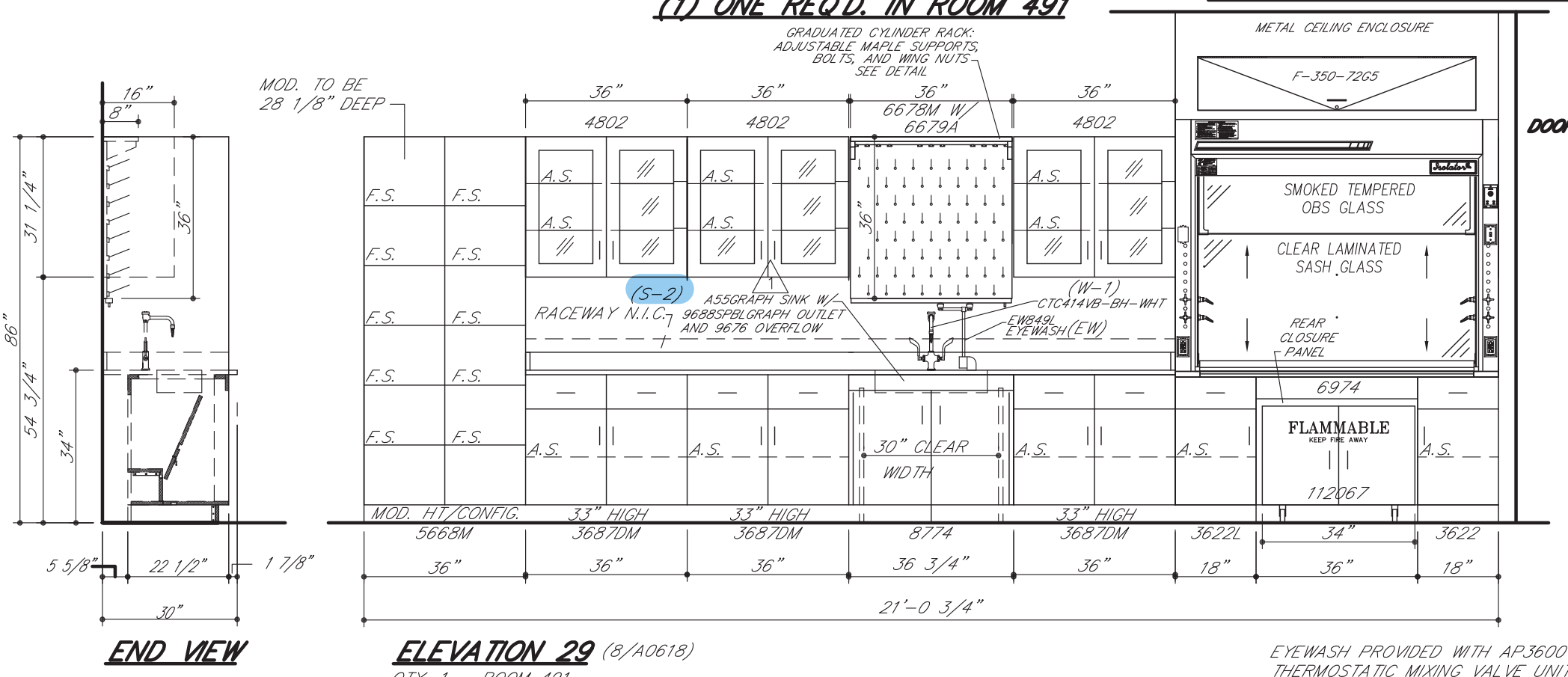
ELEVATION 30B (10/A0618)
QTY. 1 - ROOM 491

END VIEW



1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 491

1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 491



END VIEW OF 3188M CABINET

ELEVATION 30A (10/A0618)
QTY. 1 - ROOM 491

END VIEW

ELEVATION 30B (10/A0618)
QTY. 1 - ROOM 491

END VIEW

SYM	DATE	BY	REVISIONS
1	01.04.17	MAH	REVISE/RESUBMIT
2	12.22.16	MAH	REVISE/RESUBMIT

- GENERAL NOTES FOR TOP LAYOUTS**
- ALL SINK CUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.
 - ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
 - ALL NUMBERED CURBS TO BE SHIPPED LOOSE.
 - ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
 - ALL SINK CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
 - ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.

- GENERAL NOTES FOR ROUGH-IN**
- SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.
 - SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVEALS REQUIRED.
 - ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.
 - ONLY ITEMS TO BE SUPPLIED BY ICI ARE ROUGHED-IN.
- IF TRAPS ARE TO BE FURNISHED BY ICI**
- IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF WASTE STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES TO BE APPROXIMATELY 18" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
 - IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED FROM SINK OUTLET. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
 - NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.

- IF TRAPS ARE TO BE FURNISHED BY OTHERS**
- IF SERVICES STUB-OUT THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 18" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
 - IF SERVICES STUB-UP THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL SERVICES SHOULD STUB-UP 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
 - DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR TAILPIECE. REFER TO SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE TO VERIFY WHICH IS APPLICABLE.

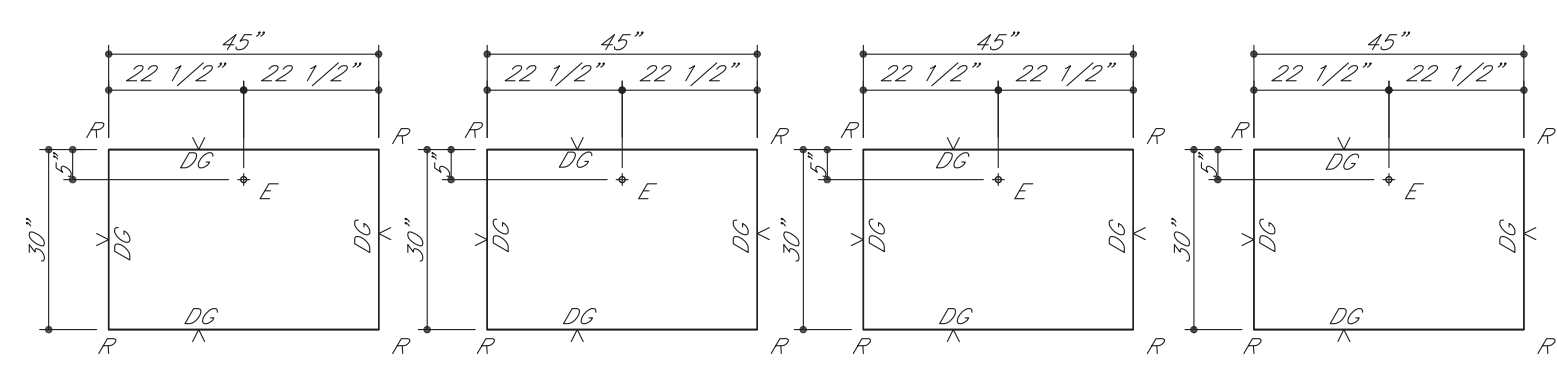
- ROUGH-IN LEGEND**
- | | |
|----------------------|--------------------------|
| W - WASTE | V - VACUUM |
| CW - COLD WATER | S - STEAM |
| HW - HOT WATER | E1 - 115 V.A.C. ELECTRIC |
| DW - DISTILLED WATER | E2 - 220 V.A.C. ELECTRIC |
| DI - DIONIZED WATER | S.O. - (S) SINK OUTLET |
| G - GAS | P.C. - PIPING CHASE |
| A - AIR | |

- ELEVATION LEGEND**
- | | |
|-----------------------------|-----------------------------|
| A.S. - ADJUSTABLE SHELF | M - MASTERKEYED LOCK |
| LTH - 3 FT. LATCHING HANDLE | F.S. - FIXED SHELF |
| WH - 3 FT. LOCKING HANDLE | R/C/P - REAR CLOSURE PANEL |
| RMS - REVOLVING METAL SHELF | F/C/P - FRONT CLOSURE PANEL |
| P.S. - PULL OUT SHELF | F - FILLER |

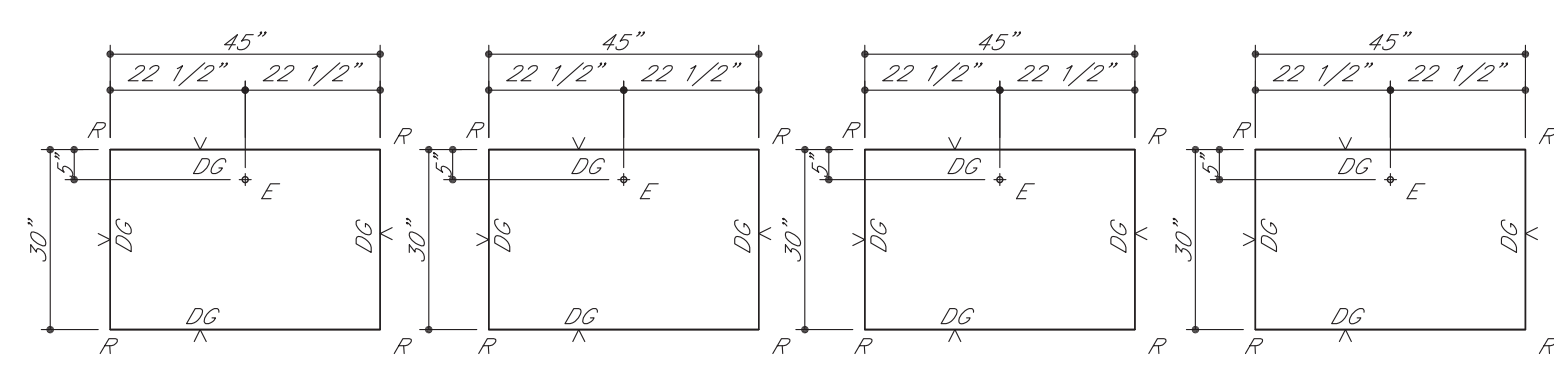
- ROUGHING-IN**
- ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, TRAPS, SERVICE LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL NOT BE CONSIDERED AS PART OF ANY MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN, MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.

INSTITUTIONAL CASEWORK INC.
1865 North Market Street
Paris, TN 38242
(731) 642-4251

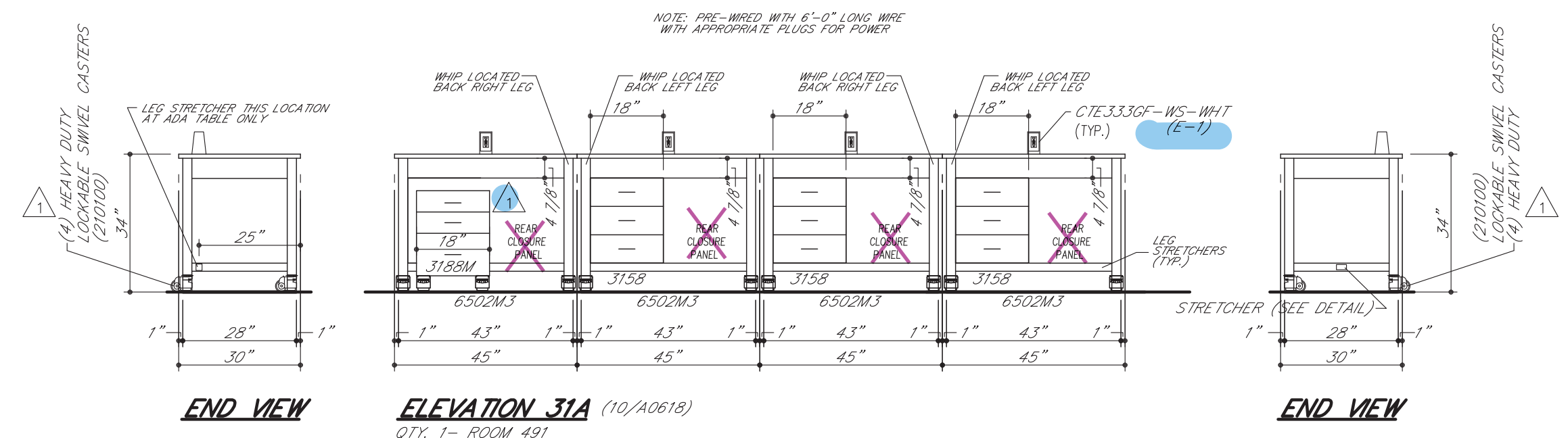
EQUIP. ELEVATIONS & TOP L.O.			
WEBSTER UNIVERSITY			
WEBSTER GROVES, MO			
DIST. CARROLL SEATING	JOB NO. 044370		
DRN. BY G. MARTIN	CKD. BY		
DATE 09/30/16	DWG. NO. 044370E4		
SCALE 3/8" = 1'-0"	SHEET 6 OF 8		



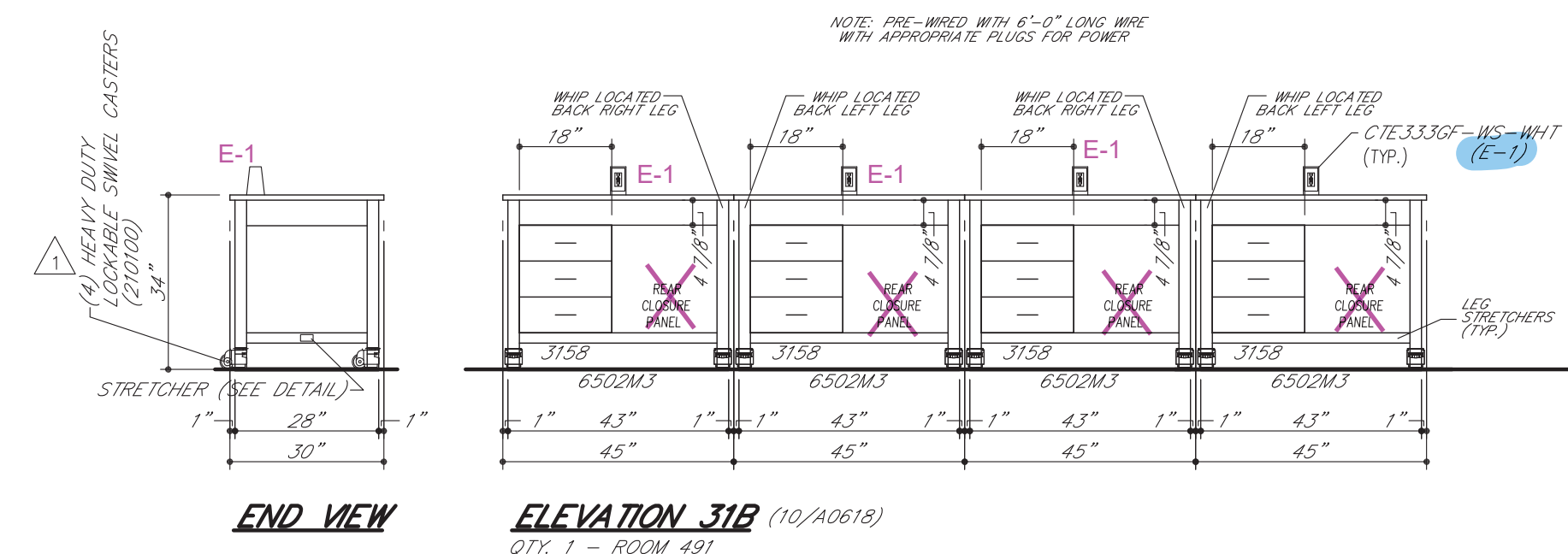
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 491



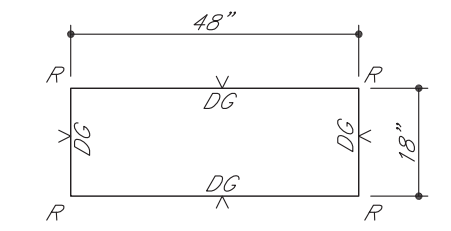
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 491



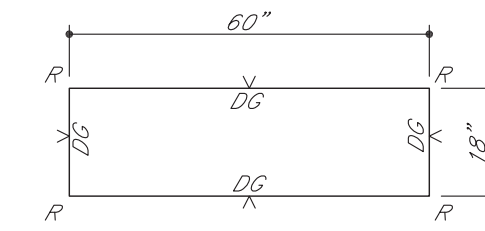
ELEVATION 31A (10/A0618)
QTY: 1 - ROOM 491



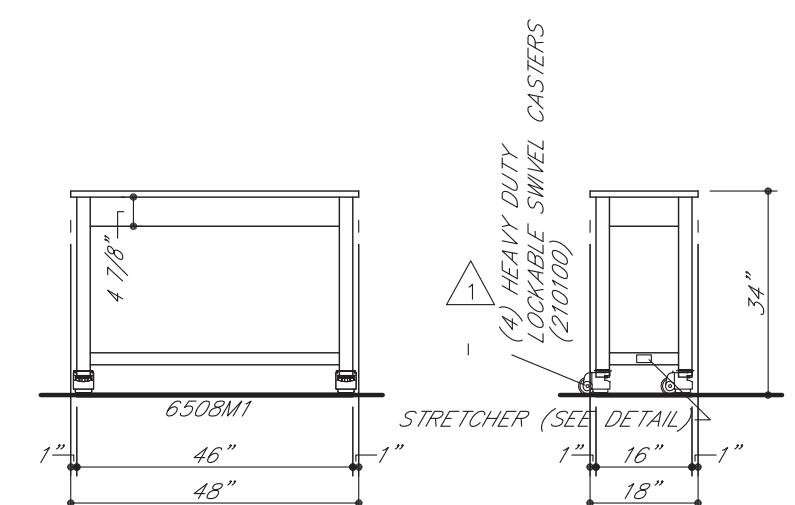
ELEVATION 31B (10/A0618)
QTY: 1 - ROOM 491



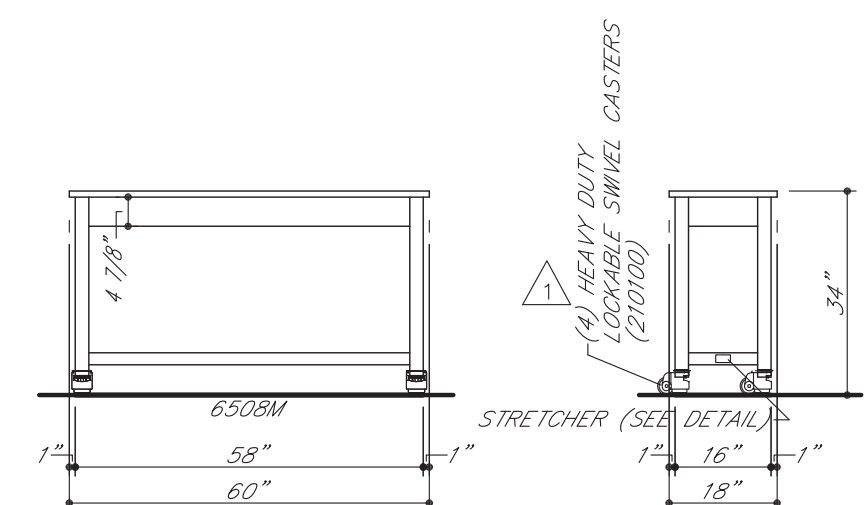
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 489
(1) ONE REQ'D. IN ROOM 491



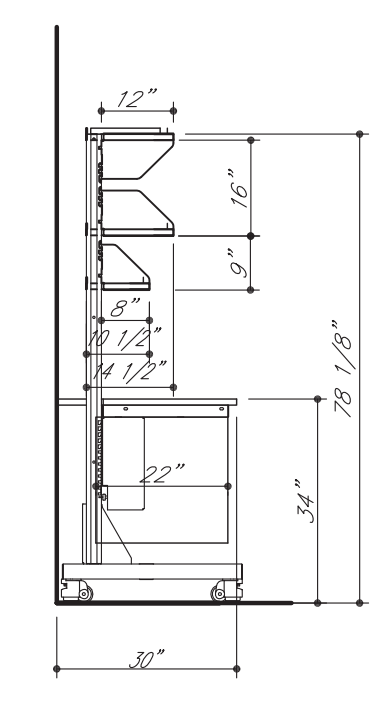
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(5) FIVE REQ'D. IN ROOM 483
(1) ONE REQ'D. IN ROOM 489
(3) THREE REQ'D. IN ROOM 491



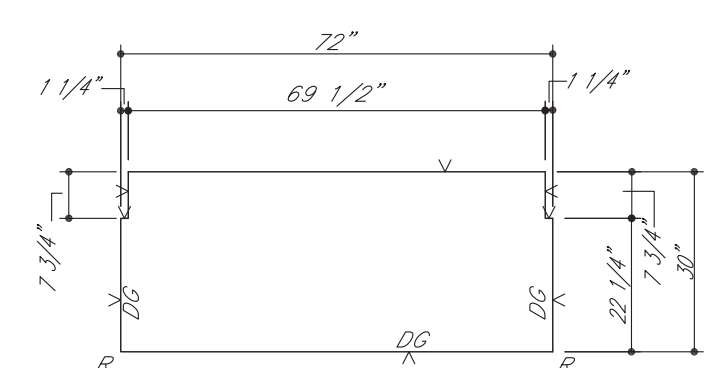
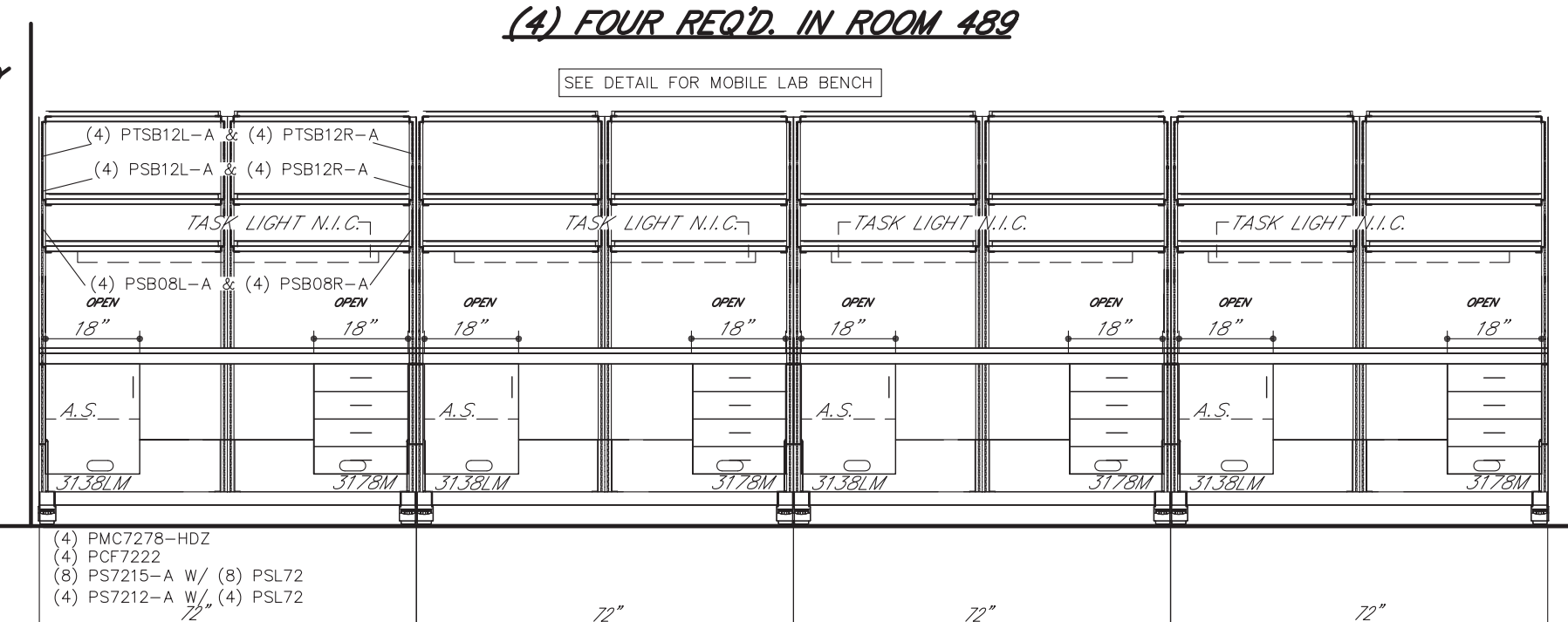
ELEVATION 32 (11/A0618)
QTY: 2 - ROOMS 489 AND 491



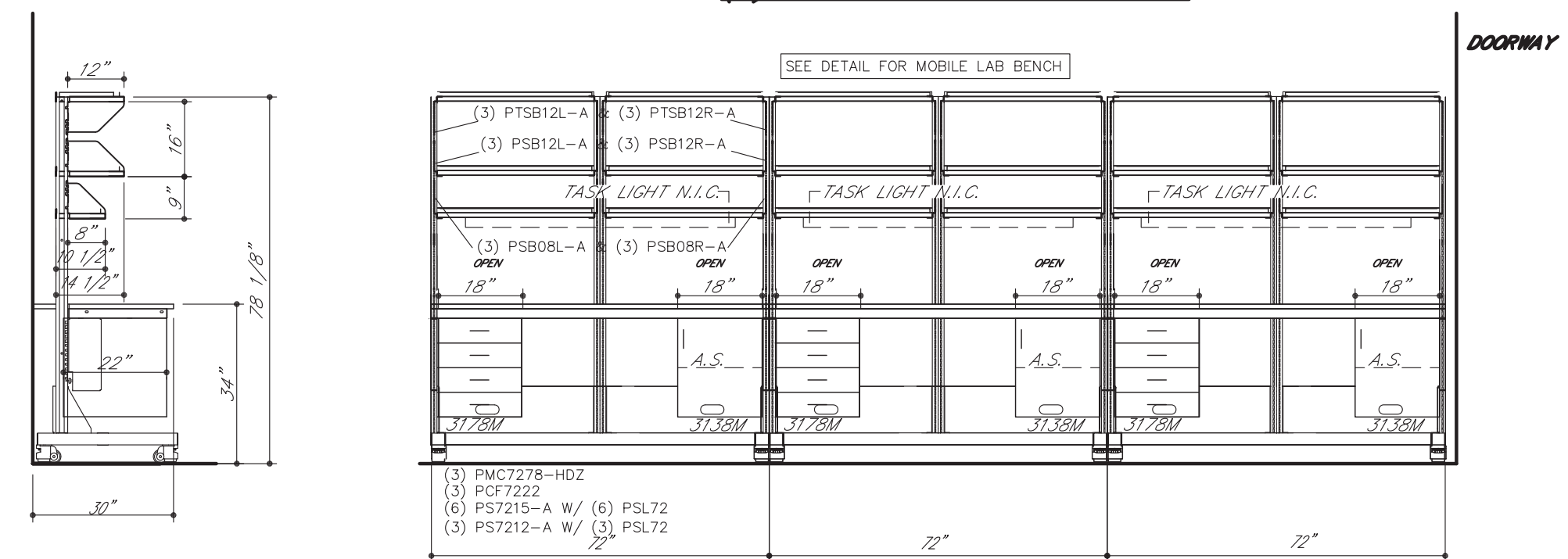
ELEVATION 33 (11/A0618)
QTY: 9 - ROOMS 483, 489, AND 491



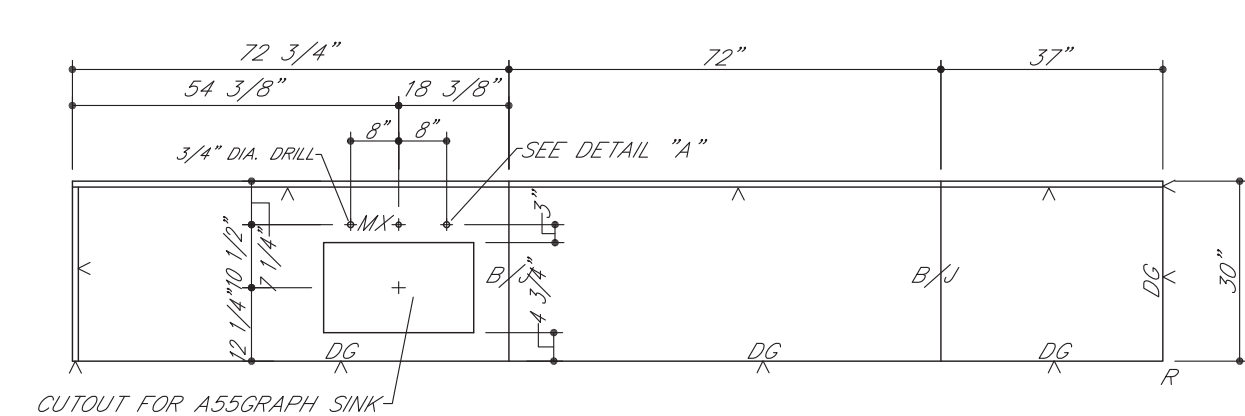
ELEVATION 34 (2/A0618)
QTY: 1 - ROOM 489



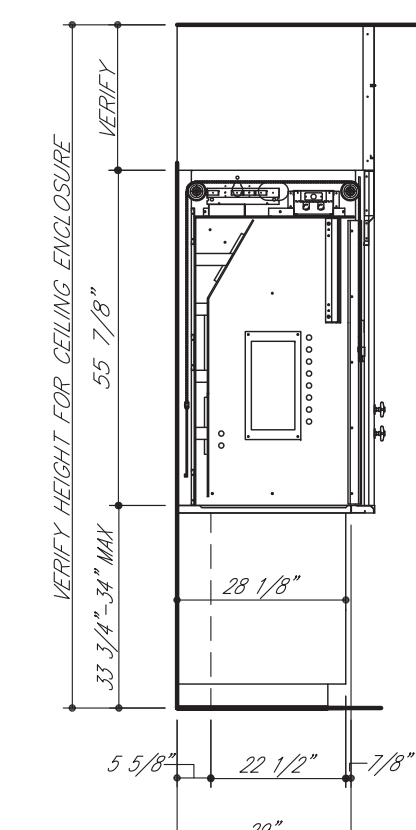
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(3) THREE REQ'D. IN ROOM 483



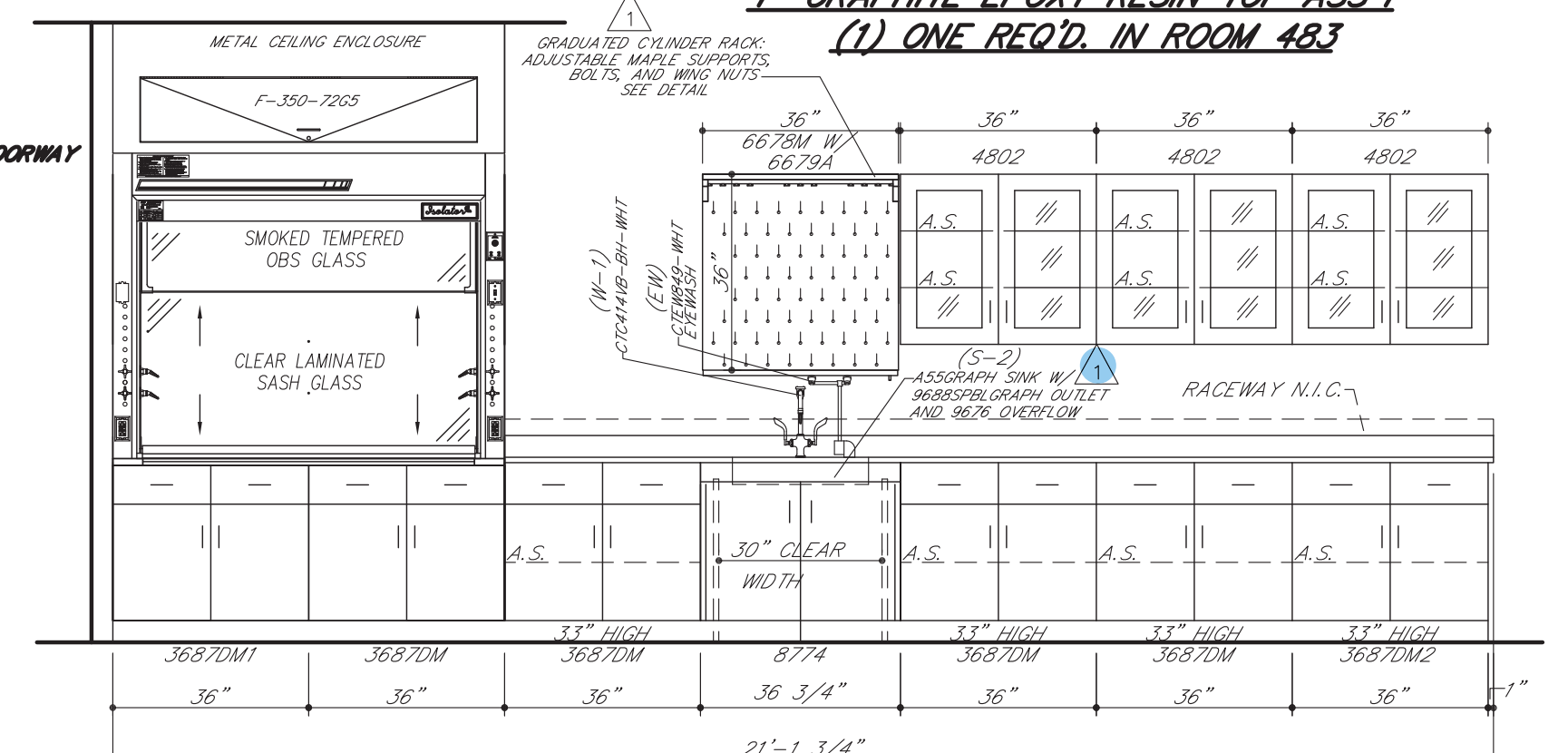
ELEVATION 35 (1/A0618)
QTY: 1 - ROOM 489



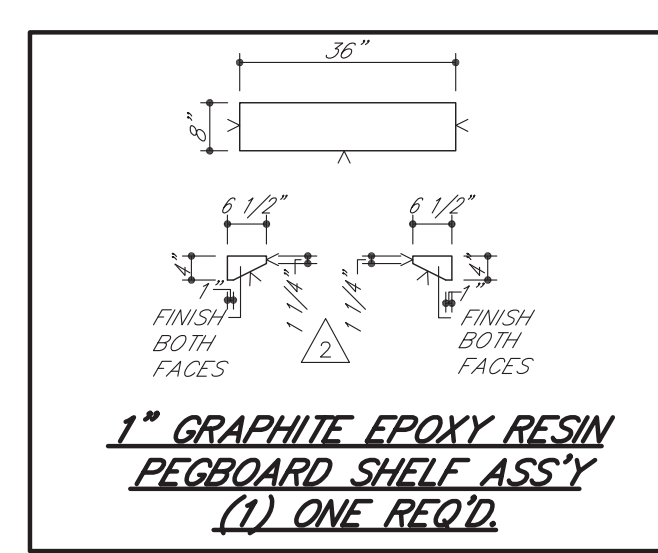
1" GRAPHITE EPOXY RESIN TOP ASS'Y
(1) ONE REQ'D. IN ROOM 483



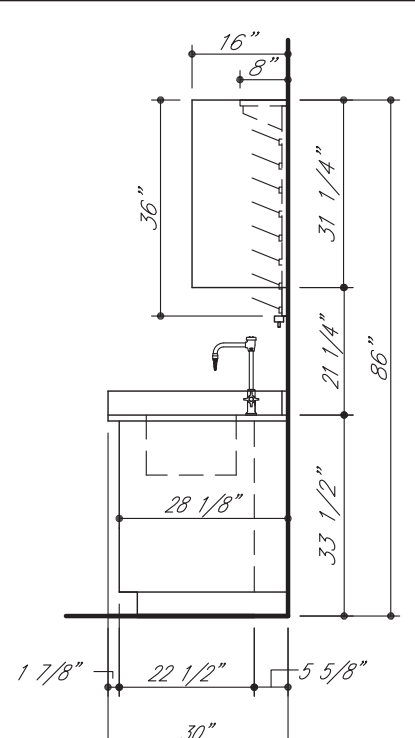
ELEVATION 36 (5/A0618)
QTY: 1 - ROOM 483



ELEVATION 36 (5/A0618)
QTY: 1 - ROOM 483



1" GRAPHITE EPOXY RESIN PEGBOARD SHELF ASS'Y
(1) ONE REQ'D.



ELEVATION 36 (5/A0618)
QTY: 1 - ROOM 483

	01.04.17 12.22.16	MAH MAH	REVISE/RESUBMIT REVISE/RESUBMIT
SYM	DATE	BY	REVISIONS

- GENERAL NOTES FOR TOP LAYOUTS
- ALL SINK CUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.
 - ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
 - ALL NUMBERED CURBS TO BE SHIPPED LOOSE.
 - ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
 - ALL SINK CORNERS FOR "DLKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
 - ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.

- TOP LAYOUT LEGEND
- V - FINISH SURFACE AND RELIEVE EDGES
R - RELIEVE CORNERS
G - 7/8" DRILL FOR GAS COOK
G2 - 3/4" DRILL FOR GAS COOK PANEL MOUNTED
A - 7/8" DRILL FOR AIR COOK
A2 - 3/4" DRILL FOR AIR COOK PANEL MOUNTED
V - 7/8" DRILL FOR VACUUM COOK
V2 - 3/4" DRILL FOR VACUUM COOK PANEL MOUNTED
E - 1-1/8" DRILL FOR PEDESTAL ELECTRIC
CJ - MARK EACH PIECE AS SHOWN
DG - DRIP GROOVE ON BOTTOM SIDE
CW - 3/4" DRILL FOR COLD WATER FAUCET
CW2 - 1/8" DRILL FOR COLD WATER FAUCET
HW - 3/4" DRILL FOR HOT WATER FAUCET
HW2 - 7/8" DRILL FOR HOT WATER FAUCET
DW - 7/8" DRILL FOR DISTILLED WATER FAUCET
CX - SEE CX DETAIL
MX - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET
RS - 1-1/8" DRILL FOR ROD SOCKET
FP - SEE FLUSH PLATE DETAIL
HX - SEE HX DETAIL
VX - SEE VX DETAIL
SE - 2-3/8" X 3-5/8" CUTOFF FOR SINGLE ELECTRIC
DE - 3-5/8" X 4-3/8" CUTOFF FOR DOUBLE ELECTRIC
DI - 7/8" DRILL FOR DEIONIZED WATER FAUCET
B/J - BUTT JOINT
C.T.F. - CUT TO FIT AT JOBSITE
IF VANDAL RESISTANT FIXTURES/FAUCETS ARE PROVIDED, REFERENCE DETAILS.

- GENERAL NOTES FOR ROUGH-IN
- SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.
 - SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVEALS REQUIRED.
 - ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.
 - ONLY ITEMS TO BE SUPPLIED BY ICI ARE ROUGHED-IN.

- IF TRAPS ARE TO BE FURNISHED BY ICI
- IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF WASTE STUB-OUT TO BE AS INDICATED AT EACH UNIT. HEIGHT OF ALL OTHER SERVICES TO BE APPROXIMATELY 18" ABOVE FINISHED FLOOR. ALL SERVICES SHOULD STUB-OUT APPROXIMATELY 3" APART. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
 - IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
 - NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH TYPE SPECIFIED WILL BE ASSUMED CORRECT UNLESS SPECIFICALLY NOTED OTHERWISE.

- IF TRAPS ARE TO BE FURNISHED BY OTHERS

- IF SERVICES STUB-OUT THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 18" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
- IF SERVICES STUB-UP THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL SERVICES SHOULD STUB-UP 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
- DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR TAILPIECE. REFER TO SHOP DRAWING ELEVATIONS OR SHOP DRAWING BROCHURE TO VERIFY WHICH IS APPLICABLE.

- ROUGH-IN LEGEND
- W - WASTE
CW - COLD WATER
HW - HOT WATER
DW - DISTILLED WATER
DI - DEIONIZED WATER
G - GAS
A - AIR
V - VACUUM
S - STEAM
E - 115 V.A.C. ELECTRIC
E1 - 220 V.A.C. ELECTRIC
S.O. - (S) SINK CHASE
F.C. - FIRE CHASE

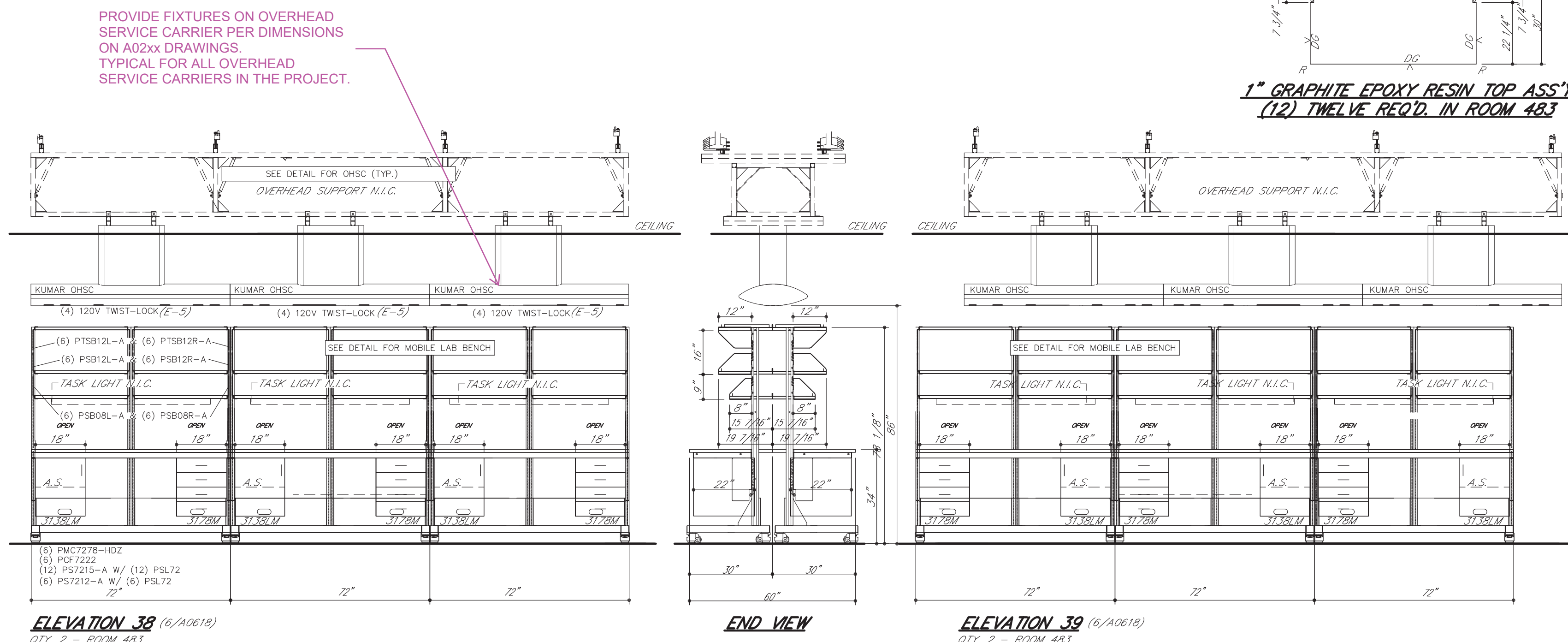
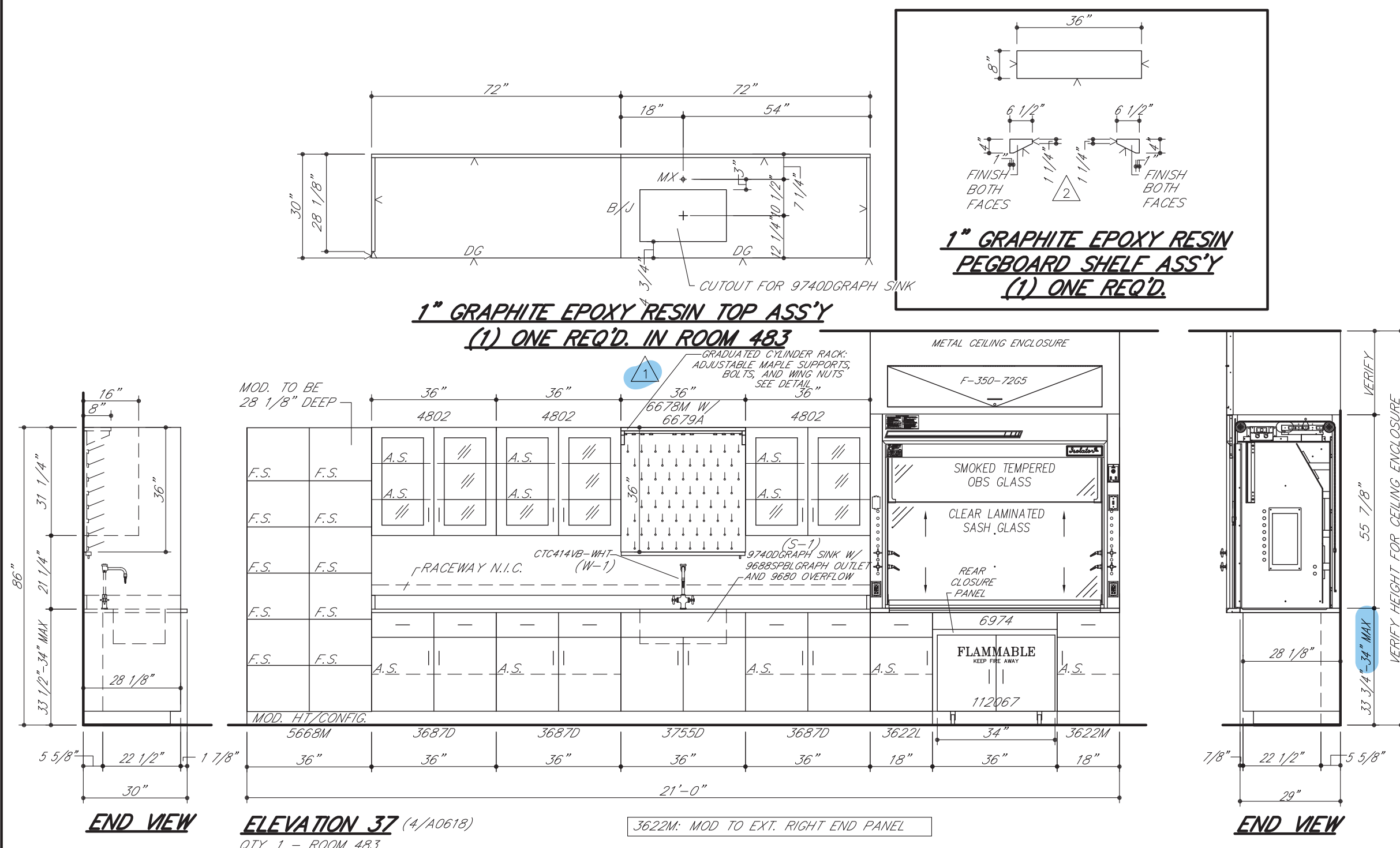
- ELEVATION LEGEND
- A.S. - ADJUSTABLE SHELF
LTH - 3 PT. LATCHING HANDLE
LKH - 3 PT. LOCKING HANDLE
RMS - REVOLVING METAL SHELF
P.S. - PULL OUT SHELF
M - MASTERKEYED LOCK
F.S. - FIXED SHELF
R/C/P - REAR CLOSURE PANEL
F/C/P - FRONT CLOSURE PANEL
F - FILLER

ROUGHING-IN DRAWINGS ARE OF AN ADVISORY NATURE. TO BE USED AS A GUIDE BY THE MECHANICAL CONTRACTOR TO EFFECT ROUGHING-IN THAT WILL BE WITHIN THE SHADED AREA (REFERRED TO AS PLUMBING SPACE) OF THE CABINET TO ALLOW FOR ACCESS TO SHUT-OFFS, SERVICE LINES AND ELECTRIC JUNCTION BOXES. THESE ROUGH-IN DRAWINGS SHALL BE CONSIDERED AS AN AUTHORITY TO MAKE ANY CHANGES IN MECHANICAL OR ELECTRICAL CONTRACTS OR SUB-CONTRACTS ALREADY HELD BY THOSE DOING WORK FOR THE OWNER. FURTHERMORE, ANY VARIATIONS FROM THE ROUGH-IN SHOWN, MADE NECESSARY BY BEAMS OR OTHER BUILDING CONDITIONS SHALL IN NO WAY BE CONSIDERED A LIABILITY RESULTING FROM THE PREPARATION AND SUBMISSION OF THESE DRAWINGS.

INSTITUTIONAL CASEWORK INC.
1865 North Market Street
Paris, TN 38242
(731) 642-4251

EQUIP. ELEVATIONS & TOP L.O.
WEBSTER UNIVERSITY
WEBSTER GROVES, MO

DIST. CARROLL SEATING	JOB NO. 044370
DRN. BY C. MARTIN	CKD. BY
DATE 09/30/16	DWG. NO. 044370E5
SCALE 3/8" = 1'-0"	SHEET 7 OF 8



 	01.04.17 12.22.16	MAH MAH	REUSE/RESUBMIT REUSE/RESUBMIT
SYM	DATE	BY	REVISIONS

1. ALL SINK CUTOUTS FOR UNDERCOUNTER SINKS TO BE FINISHED INSIDE.
2. ALL SINK CORNERS TO HAVE 1-1/2" RADIUS.
3. ALL NUMBERED CURBS TO BE SHIPPED LOOSE.
4. ALL SINK CORNERS FOR "JUST" STAINLESS STEEL SINKS CAN BE CUT SQUARE OR UP TO 1/2" RADIUS.
5. ALL SINK CORNERS FOR "ELKAY" STAINLESS STEEL SINKS TO BE 1-1/2" RADIUS.
6. ALL CURBS TO BE 4" HIGH, UNLESS NOTED OTHERWISE.

TOP LAYOUT LEGEND

V - FINISH SURFACE AND REMOVE EDGES
R - RELIEVE CORNERS

G - 7/8" DRILL FOR GAS COCK
D - 3/4" DRILL FOR AIR COCK
O - MARK EACH PLACE AS SHOWN

W - 3/4" DRILL FOR AIR COCK PAMPLEOUNT
V - 7/6" DRILL FOR VACUUM COCK
V2 - 3/4" DRILL FOR VACUUM COCK PAMPLEOUNT

E - 1-1/8" DRILL FOR EJECTOR ELECTRIC
O - MARK EACH PLACE AS SHOWN

Q - DRP GROOVE ON BOTTOM SIDE
CW - 3/4" DRILL FOR HOT WATER FAUCET
CW2 - 7/8" DRILL FOR COLD WATER FAUCET
H - 7/8" DRILL FOR HOT WATER FAUCET
HW2 - 7/8" DRILL FOR HOT WATER FAUCET
WD - 7/8" DRILL FOR DISTILLED WATER FAUCET

CX - SEE CX DETAIL
MX - 1-1/4" DRILL FOR HOT AND COLD WATER MIXING FAUCET
RS - 1-1/8" DRILL FOR ROD SOCKET

FP - SEE FLUSH PLATE DETAIL
HX - SEE HX DETAIL
SX - SEE SX DETAIL

SE - 3-5/8" X 3-5/8" CUTOFF FOR SINGLE ELECTRIC
DE - 3-5/8" X 4-3/8" CUTOFF FOR DOUBLE ELECTRIC
D - 7/8" DRILL FOR DEIONIZED WATER FIXTURE

D/I - BUTT JOINT
C.T.F. - CUT TO FIT AT JOBSITE

- GENERAL NOTES FOR ROUGH-IN**
1. SHADED AREA WITHIN EACH UNIT INDICATES THE AVAILABLE PLUMBING SPACE. ALL SERVICES MUST BE LOCATED WITHIN THIS AREA.
 2. SEE ARCHITECT'S PLAN FOR SIZE AND TYPE OF ALL PIPE, WIRE, AND CONDUIT, AND FOR ANY VENTS OR REVENTS REQUIRED.
 3. ALL WASTES ARE 1-1/2" UNLESS NOTED OTHERWISE.
 4. ONLY ITEMS TO BE SUPPLIED BY *ICI* ARE ROUGHED-IN.

IF TRAPS ARE TO BE FURNISHED BY IC/

1. IF SERVICES STUB-OUT THROUGH WALL, WASTE SHOULD BE LOCATED DIRECTLY BEHIND THE SINK OUTLET. MINIMUM AND MAXIMUM HEIGHT OF SERVICES STUB-UP THROUGH FLOOR SHALL BE 6" TO 16" ABOVE FINISHED FLOOR. ALL OTHER SERVICES SHOULD BE APPROXIMATELY 16" ABOVE FINISHED FLOOR. ALL OTHER SERVICES SHOULD STUB-OUT APPROXIMATELY 3" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
2. IF SERVICES STUB-UP THROUGH FLOOR, WASTE SHOULD BE LOCATED 6" FROM SINK OUTLET. ALL OTHER SERVICES SHOULD STUB-UP APPROXIMATELY 3" APART. HEIGHT OF ALL SERVICES TO BE 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
3. NOTE TYPE OF TRAP ("P" OR "S") LISTED ON SHOP DRAWING ELEVATIONS OR SHOP DRAWING BRANCHINGS FOR EACH SINK UNIT. UPON APPROVAL OF THESE DRAWINGS, EACH SINK SPECIFIED WILL BE ASSUMED CORRECT TYPE OF TRAP. UNLESS OTHERWISE NOTED, ALL TRAPS SHALL BE "P" TRAPS.

IF TRAPS ARE TO BE FURNISHED BY OTHERS

1. IF SERVICES STUB-OUT THROUGH WALL, LOCATION AND HEIGHT OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL OTHER SERVICES TAKE STUB-OUT THROUGH FLOOR ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-OUT WITHIN THE AVAILABLE PLUMBING SPACE.
2. IF SERVICES STUB-UP THROUGH FLOOR, LOCATION OF WASTE TO BE DETERMINED BY TRAP SUPPLIER. ALL SERVICES SHOULD STUB-UP 6" ABOVE FINISHED FLOOR. ALL SERVICES MUST STUB-UP WITHIN THE AVAILABLE PLUMBING SPACE.
3. DIMENSION FOLLOWING DESIGNATION OF SINK OUTLET INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF SINK OUTLET OR TRAP. SEE, REFER TO DRAWING FOR SINK OUTLET OR SHOP DRAWING BROCHURE TO VERIFY WHICH IS APPLICABLE.

ROUGH-IN LEGEND

W - WASTE	V - VACUUM
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ROUGH-IN LEGEND

W - WASTE	V - VACUUM
CW - COLD WATER	S - STEAM
HW - HOT WATER	E = 115 V.A.C. ELECTRIC
DW - DISTILLED WATER	E1 = 220 V.A.C. ELECTRIC
DI - DEIONIZED WATER	S.O. = (⊕) SINK OUTLET
G - GAS	P.C. - PIPE CHASE
A - AIR	

ELEVATION LEGEND

A.S. - ADJUSTABLE SHELF	* - MASTERKEYED LOCK
LTH - 3 PT. LATCHING HANDLE	F.S. - FIXED SHELF
LKH - 3 PT. LOCKING HANDLE	R/C/P - REAR CLOSURE PANEL
RMS - REVOLVING METAL SHELF	F/C/P - FRONT CLOSURE PANEL
P.S. - PULL OUT SHELF	F - FILLER

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