

SHEET NOTES:

- ◇ DEMOLITION FLOOR PLAN NOTES, REFER TO SHT A.0
 - PARTITION TYPES LEGEND, REFER TO SHT A.1
 - FLOOR PLAN NOTES, REFER TO SHT A.1
 - △ REFLECTED CEILING PLAN NOTES, REFER TO SHT A.2
 - INTERIOR WINDOW & DOOR FRAME TYPES, REFER TO SHT A.8
- REFER TO SHT A.9 FOR ROOM FINISH SCHEDULE

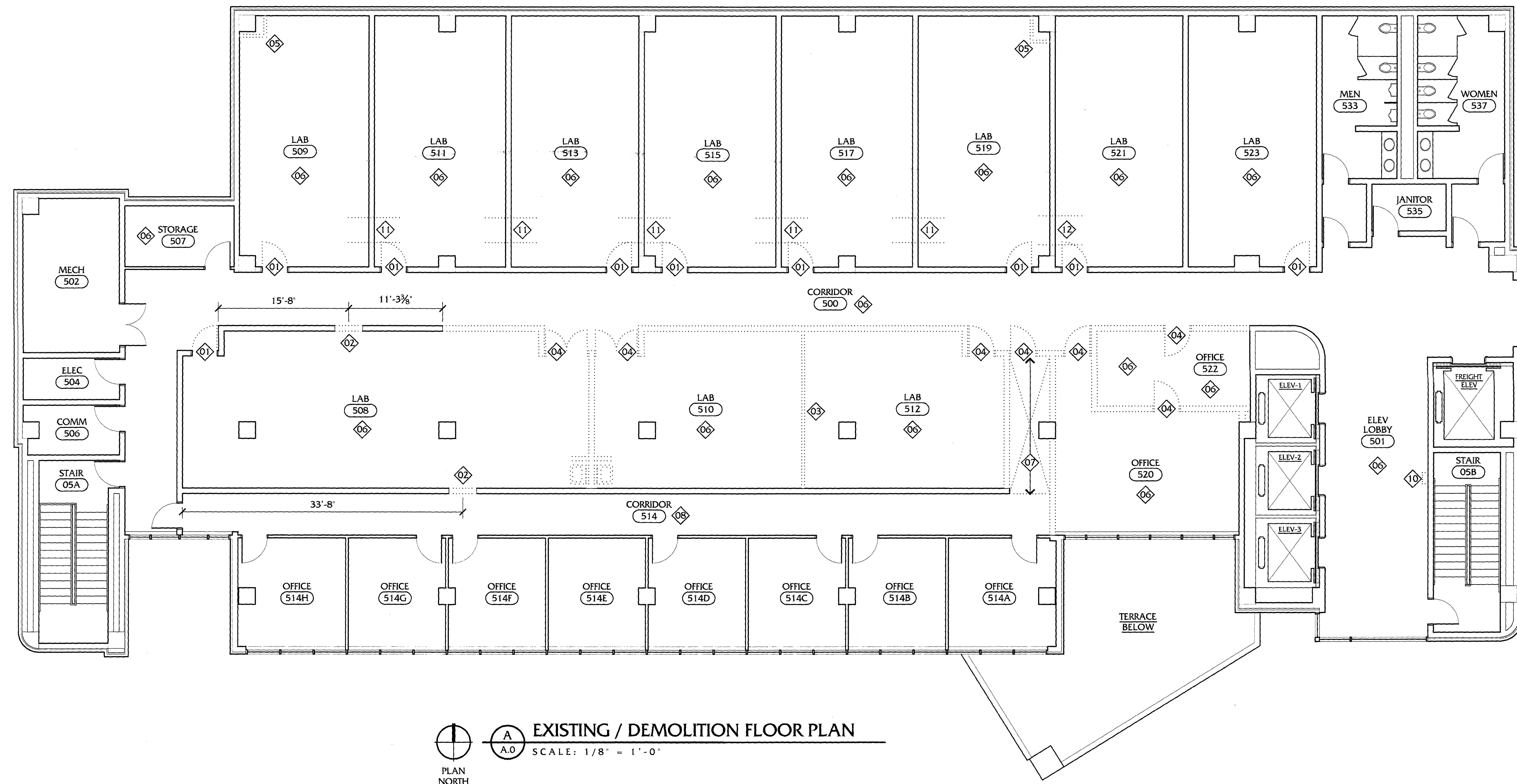
WARNING OF PARTIAL SET REVIEW
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DEMOLITION PLAN LEGEND:

..... INDICATES DEMOLITION ITEMS TO BE REMOVED, SEE GENERAL NOTES

◇ INTERIOR DEMOLITION NOTES:

- GENERAL NOTES:**
- DEMOLITION PLANS ARE PREPARED FOR CONTRACTORS CONVENIENCE. ANY EXISTING WORK WHICH MUST BE REMOVED IN ORDER TO INSTALL NEW WORK SHOWN WILL BE REMOVED WITHOUT ADDITIONAL EXPENSE TO OWNER.
 - ALL WALLS INDICATED TO BE REMOVED FLOOR TO CONC DECK ABOVE UNLESS NOTED OTHERWISE
 - REMOVE REQUIRED AMOUNT OF EXISTING CMU AT NOTED DOOR & FRAME REMOVAL TO ACCOMMODATE NEW DOOR & FRAME SIZES INDICATED ON DOOR SCHEDULE - SHEET A.9
 - SEE MEP DRAWINGS FOR DEMOLITION OF EXISTING PLUMBING, SPRINKLER, HVAC & ELECTRICAL ITEMS
 - ALL WALLS TO BE REMOVED ARE 8" CMU UNLESS INDICATED OTHERWISE - THESE WALLS EXTEND TO THE BOTTOM OF THE ROOF DECK 14'-0" ABOVE
 - CUT/GRIND ANY DEMO'D WALL REINFORCEMENT EXTENDING FROM THE FLOOR SLAB OR ROOF DECK FLUSH
 - PREPARE CONCRETE SLAB AT DEMO'D WALLS TO RECEIVE NEW FLOOR FINISH - SEE ROOM FINISH SCHEDULE, SHEET A.10
 - REPAIR EXISTING CMU WALLS JUNCTURE WHERE DEMOLITION HAS OCCURRED - REPAIRS SHALL APPEAR AS THOUGH THERE WAS NO DEMOLITION
 - PREPARE EXISTING CONCRETE FLOOR SLAB TO RECEIVE NEW FLOOR FINISH WHERE ALL VCT DEMOLITION HAS OCCURRED - SEE ROOM FINISH SCHEDULE, SHEET A.10

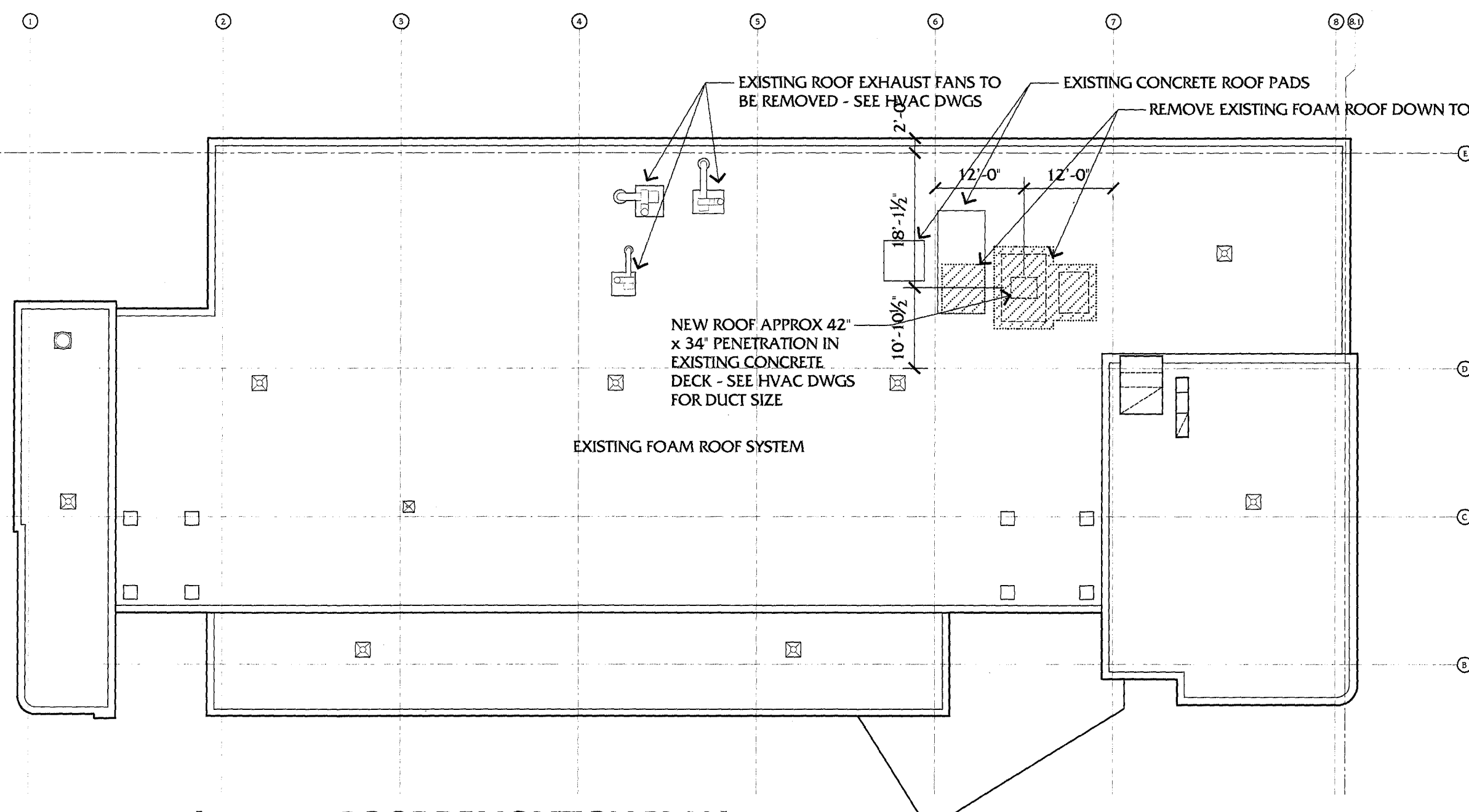


EXISTING / DEMOLITION FLOOR PLAN
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

- ◇1 REMOVE EXISTING SOLID-CORE WOOD DOOR ONLY - HM FRAME TO REMAIN
- ◇2 REMOVE CMU FOR PLACEMENT OF NEW DOOR & FRAME - SEE DOOR SCHEDULE, SHEET A.9
- ◇3 REMOVE EXISTING TEMPORARY PARTITION - 9'-6" h
- ◇4 REMOVE EXISTING HM FRAME & SCWD DOOR
- ◇5 REMOVE EXISTING GB & METAL STUD CHASE ENCLOSURES
- ◇6 REMOVE EXISTING VCT FLOORING, RUBBER BASE AND ACOUSTIC TILE CEILING IN INDICATED ROOM
- ◇7 REMOVE EXISTING VCT FLOORING, RUBBER BASE AND ACOUSTIC TILE CEILING IN INDICATED AREA OF CORRIDOR 514
- ◇8 EXISTING ACOUSTIC TILE CEILING TO REMAIN IN PLACE IN CORRIDOR 514 ACCEPT WHERE INDICATED BY NOTE 07
- ◇9 SEE MEP DRAWINGS FOR PLUMBING FIXTURE REMOVAL - FILL HOLES IN FLOOR FROM DEMO'D WASTE LINES
- ◇10 REMOVE WALL HUNG TRASH CAN - SALVAGE FOR REINSTALLATION - SEE FLOOR PLAN A/A.1
- ◇11 PROVIDE APPROX 34" W X 20" H MASONRY OPENING IN EXISTING CMU WALL ABOVE CEILING - PROVIDE LINTEL: (2) 3 1/2" x 3 1/2" x 1/2" AT EACH SIDE OF WALL - SEE HVAC WORK TO VERIFY DUCT SIZE AND LOCATION
- ◇12 PROVIDE APPROX 42" W X 24" H MASONRY OPENING IN EXISTING CMU WALL ABOVE CEILING - PROVIDE LINTEL: (2) 3 1/2" x 3 1/2" x 1/2" AT EACH SIDE OF WALL - SEE HVAC WORK TO VERIFY DUCT SIZE AND LOCATION

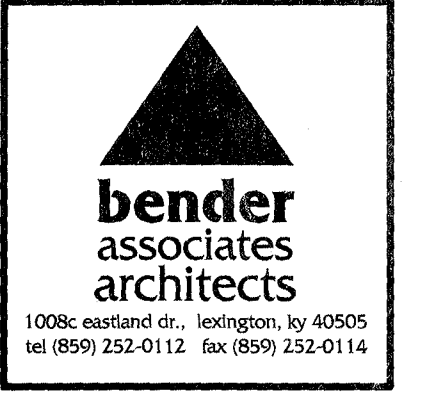
ROOF DEMOLITION NOTES:

- PROVIDE PROTECTION FOR EXISTING FOAM ROOF AT ALL AREAS OF DEMOLITION AND NEW WORK
- SEE HVAC DRAWINGS FOR EXTENTS OF EXISTING ROOF EQUIPMENT DEMOLITION
- EXISTING ROOF SLAB THICKNESS IS 4"
- SAW CUTTING OF EXISTING ROOF SLAB SHOULD BE AT THE CENTER IN BETWEEN THE CONCRETE BEAMS
- **DO NOT SAWCUT BEAMS - DO NOT OVERCUT THE OPENING AT THE CORNERS**
- COORDINATE LAYOUT OF THE EXACT SAW CUTTING AREA OF ROOF SLAB W/ ARCHITECT & MECH ENGINEER BEFORE STARTING WORK
- AFTER SAW CUTTING IS COMPLETED, PROVIDE A RUST-PROOF INHIBITING PAINT AT ALL EXPOSED ENDS OF REINFORCEMENT BARS



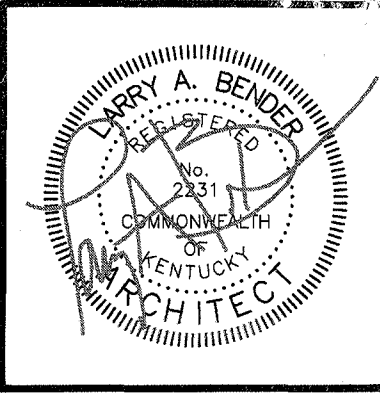
ROOF DEMOLITION PLAN
 SCALE: 1/16" = 1'-0"
 PLAN NORTH

EXISTING 5TH FLOOR PLAN
RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY



UK
 CPMD PROJECT #: 2353.0
 CONSTRUCTION DOCUMENTS
 30 MAY 2013

A.0



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FLOOR PLAN LEGEND:

- INDICATES ADA HEIGHT CASEWORK - 33" h, W/ WHEELCHAIR ACCESSIBLE SINK CABINETS
- KS KNEE SPACE, CASEWORK - 48" w x 36" h
- ADA KS ADA HEIGHT KNEE SPACE, CASEWORK - 48" w x 33" h
- TC TALL BASE CABINET - 36" w x 24" d x 84" h
- FH FUME HOOD, NEW - 48" w x 30" d x 81" - ADA HEIGHT KNEE SPACE - 48" w x 33" h
- FHE FUME HOOD, EXISTING - 72" w x 30" d x 81" - ON (2) 12" ADA HEIGHT FUME HOOD CABINETS - 33" h W/ 48" KNEE SPACE
- FFH FUTURE FUME HOOD LOCATION - NIC
- TCH TISSUE CULTURE HOOD, EXISTING, FREESTANDING - NIC
- ICBTR INCUBATOR, EXISTING, FREESTANDING - NIC
- REF REFRIGERATOR, EXISTING - NIC
- FRZ FREEZER, EXISTING - NIC
- FRZ -80 -80 DEG FREEZER, EXISTING - NIC
- FLS FLAMMABLE LIQUID STORAGE CABINET - 24" w
- ASC ACID STORAGE CABINET - 24" w
- ⊕ EMERGENCY EYE WASH/SHOWER - SEE MEP DRAWINGS

FIRE EXTINGUISHER LEGEND:

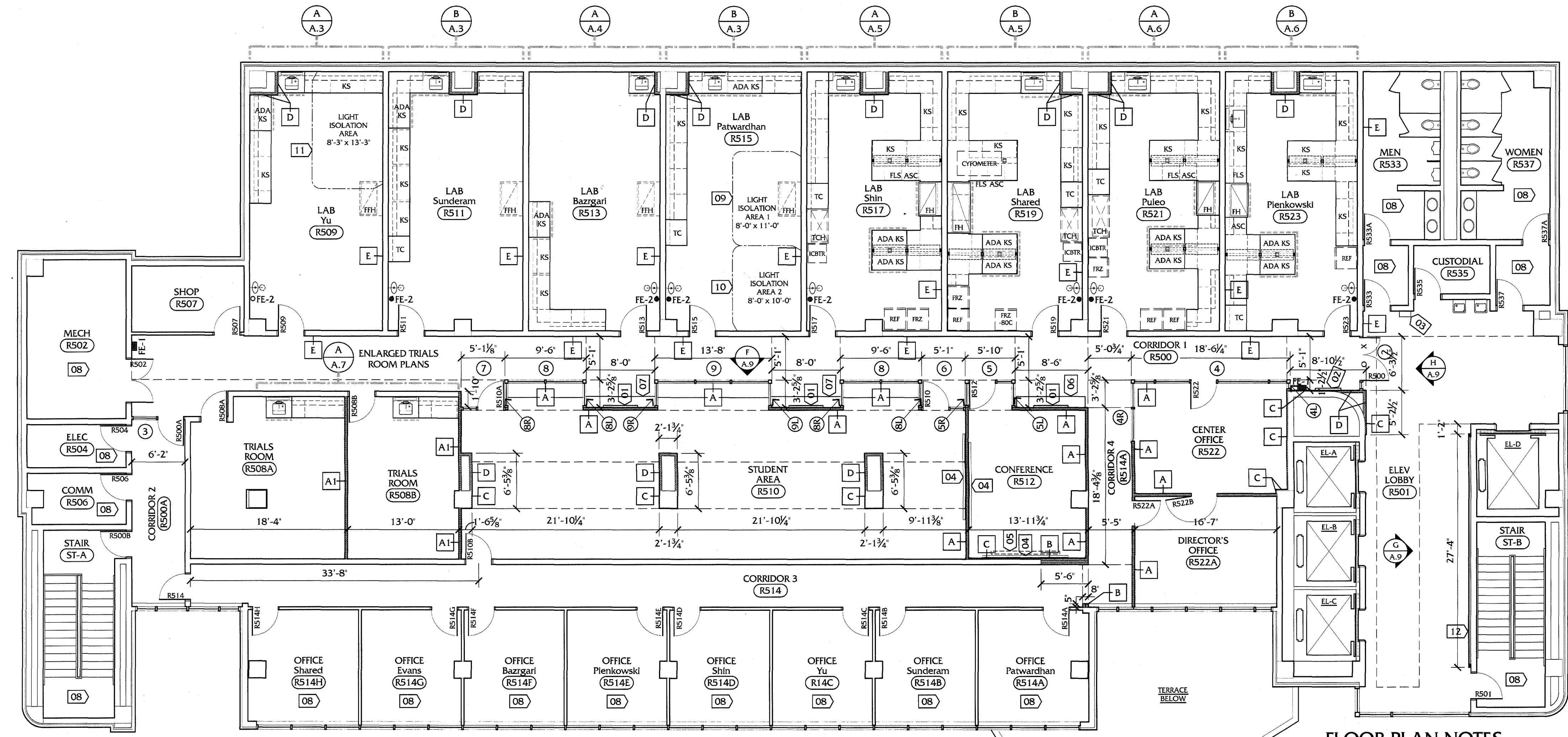
- FE-1 SURFACE MOUNTED 5 LB ABC CABINET - MOUNT T.O. CABINET AT 54" A.F.F.
- FE-2 WALL BRACKET MOUNTED 5 LB ABC - MOUNT T.O. BRACKET AT 48" A.F.F.

PARTITION TYPES LEGEND:

- GENERAL NOTE:**
- BOTTOM OF ROOF DECK IS 14'-0" AFF (FIFTH FLOOR) - FIELD VERIFY
 - ALL EXISTING INTERIOR PARTITIONS OF CMU CONSTRUCTION AND IN NON-OFFICE AREAS NOT IDENTIFIED BY A PARTITION TYPE ARE TO BE CONSIDERED NON-RATED 8" CMU TO BOTTOM OF DECK ABOVE
 - ALL EXISTING INTERIOR PARTITIONS IN OFFICE AREAS NOT IDENTIFIED BY A PARTITION TYPE ARE TO BE CONSIDERED NON-RATED PARTITIONS SIMILAR TO PARTITION TYPE A TO 6' ABOVE FINISHED CEILING

- A 5/8" GB EA SIDE 3 5/8" METAL STUDS AT 16" O.C. & 3" ATTEN BLANKETS PARTITION TO 6' ABOVE FINISHED CEILING
- A1 UL DESIGN # I465 1HR (WHERE NOTED) PARTITION TO UNDERSIDE OF DECK
- B 5/8" GB EA SIDE 3 5/8" METAL STUDS AT 16" O.C. & 3" ATTEN BLANKETS W/ 3 5/8" METAL STUD FURRING AT 16" O.C. EA SIDE & 3" ATTEN BLANKETS PARTITION TO 6' ABOVE FINISHED CEILING
- C WALL FURRING: 5/8" GB ON 7/8" METAL FURRING CHANNELS AT 16" O.C. ON INSIDE EXST FACE OF WALL INDICATED FURRING TO 6' ABOVE FINISHED CEILING
- D 5/8" GB ON 3 5/8" METAL STUD FURRING AT 16" O.C. DIMENSION INDICATED - SEE ENLARGED LAB FLOOR PLANS PARTITION TO 6' ABOVE FINISHED CEILING
- E EXISTING 8" REINFORCED CMU WALL W/ HORIZ TRUSS-TYPE REIN AT 16" O.C. VERT COURSE AT EXISTING CONC DECK ABOVE EXISTING WALL SHALL BE CONSIDERED 1-HR RATED FIRESEAL ALL NEW & EXISTING PENETRATIONS

ENLARGED LAB FLOOR PLANS



FLOOR PLAN
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

FLOOR PLAN NOTES:

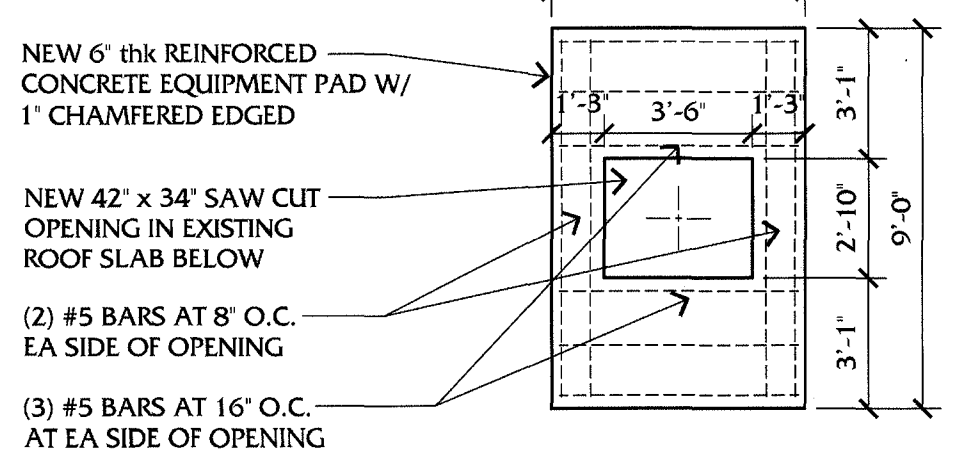
- GENERAL NOTES:**
- FOR VCT FLOOR PATTERN AND SIGNAGE LOCATIONS SEE FLOOR PATTERN & SIGNAGE PLAN, SHEET A.9
 - SEE ENLARGED LABORATORY CASEWORK SHEETS A.3 THRU A.7 FOR INTERIOR LABORATORY CASEWORK ELEVATION KEYS
 - SEE ENLARGED LABORATORY PLANS SHEETS A.3 THRU A.7 FOR PARTITION TYPE D DIMENSIONS
 - PARTITION TYPE A OCCURS BELOW AND ABOVE INDICATED PREFIN ALUM WINDOW FRAME TYPES
 - PARTITION TYPE A OCCURS ABOVE ALL PREFIN ALUM DOOR FRAME TYPES
 - SEE ROOM FINISH SCHEDULE AND HVAC PLANS FOR EXTENT OF ABOVE CEILING WORK ON THE 4TH FLOOR
 - 01 PROVIDE 36" h x 48" w (DISPLAY AREA) TACK BOARD - SEE SPEC
 - 02 PROVIDE 36" h x 36" w (DISPLAY AREA) DIRECTORY - SEE SPEC
 - 03 REINSTALL SALVAGED WALL HUNG MTL TRASH RECEPTAL - MOUNT 42" AFF
 - 04 MARKER BOARD MOUNTING LOCATION - 48" h x 120" L - T.O. BOARD 78" AFF - PROVIDE BLOCKING IN WALL FOR MOUNTING SUPPORT - SEE SPEC
 - 05 PROJECTION SCREEN MOUNTING LOCATION - 96" h x 96" L - WALL MOUNTED ON BRACKETS AT 96" AFF - SEE SPEC
 - 06 WALL HUNG PLAS LAM ADA HEIGHT COUNTER - SEE SECTION C/A.9
 - 07 WALL HUNG PLAS LAM STANDING HEIGHT COUNTER - SEE SECTION C/A.9
 - 08 NO ARCHITECTURAL WORK IN INDICATED ROOM
 - 09 PROVIDE (2) 10'-0" x height BLACKOUT CURTAINS AND ACOLUS TILE CLG MOUNTED TRACK (19'-0") AT EACH LOCATION INDICATED - SEE BLACKOUT CURTAINS & TRACK NOTES THIS SHEET
 - 10 PROVIDE (2) 10'-0" x height BLACKOUT CURTAINS AND ACOLUS TILE CLG MOUNTED TRACK (18'-0") AT EACH LOCATION INDICATED - SEE BLACKOUT CURTAINS & TRACK NOTES THIS SHEET
 - 11 PROVIDE (2) 12'-0" x height BLACKOUT CURTAINS AND ACOLUS TILE CLG MOUNTED TRACK (22'-0") AT LOCATION INDICATED - SEE BLACKOUT CURTAINS & TRACK NOTES THIS SHEET
 - 12 MAPLE VENEERED PANELING - SEE G/A.9 & B.C./D/A.7

See Next Page

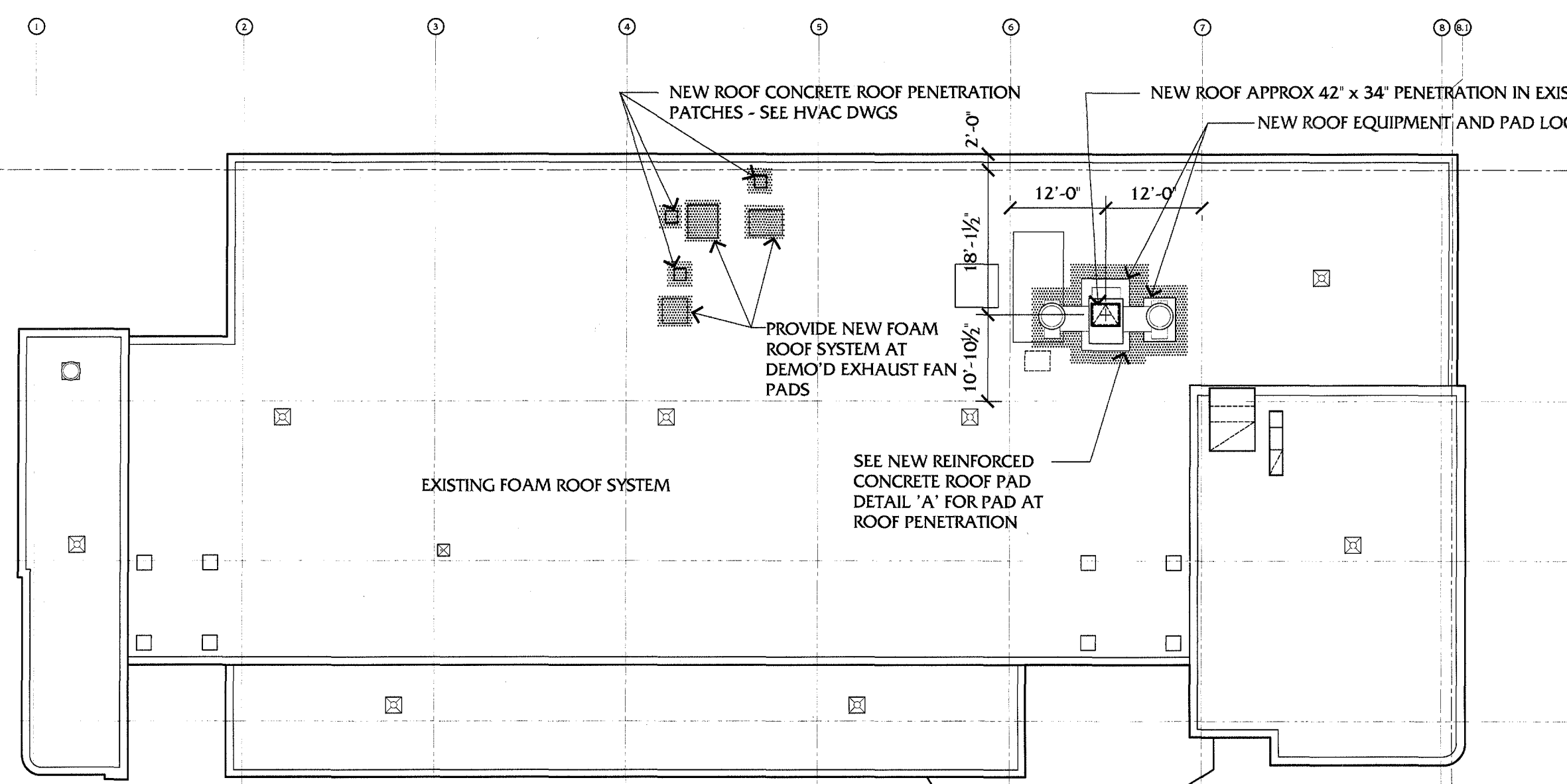
ROOF PLAN NOTES:

- EXISTING ROOF SLAB THICKNESS IS 4"
- SAW CUTTING OF EXISTING ROOF SLAB SHOULD BE AT THE CENTER IN BETWEEN THE CONCRETE BEAMS
- **DO NOT SAWCUT BEAMS - DO NOT OVERCUT THE OPENING AT THE CORNERS**
- COORDINATE LAYOUT OF THE EXACT SAW CUTTING AREA OF ROOF SLAB W/ ARCHITECT & MECH ENGINEER BEFORE STARTING WORK
- SEE HVAC DWGS FOR EXTENTS OF NEW ROOF EQUIPMENT, EQUIPMENT PADS AND PATCHING OF EXISTING OPENINGS DUE TO EXISTING EQUIPMENT DEMOLITION
- PROVIDE NEW FOAMED ROOFING SYSTEM FLASHING AND PATCHING AROUND ALL AREAS OF NEW AND DEMOLISHED WORK TO INCLUDE: NEW REINFORCED CONCRETE EQUIPMENT PADS, MECHANICAL EQUIPMENT CURBS, AND CONCRETE ROOF PENETRATION PATCHES
- ALL NEW FOAM ROOF SYSTEM WORK SHALL BE DONE IN ACCORDANCE WITH THE EXISTING ROOFS MANUFACTURERS GUIDELINES AND STANDARDS AS TO NOT VOID THE WARRANTY

ROOF PAD DTL 'A':



Roofers approved by Neogard



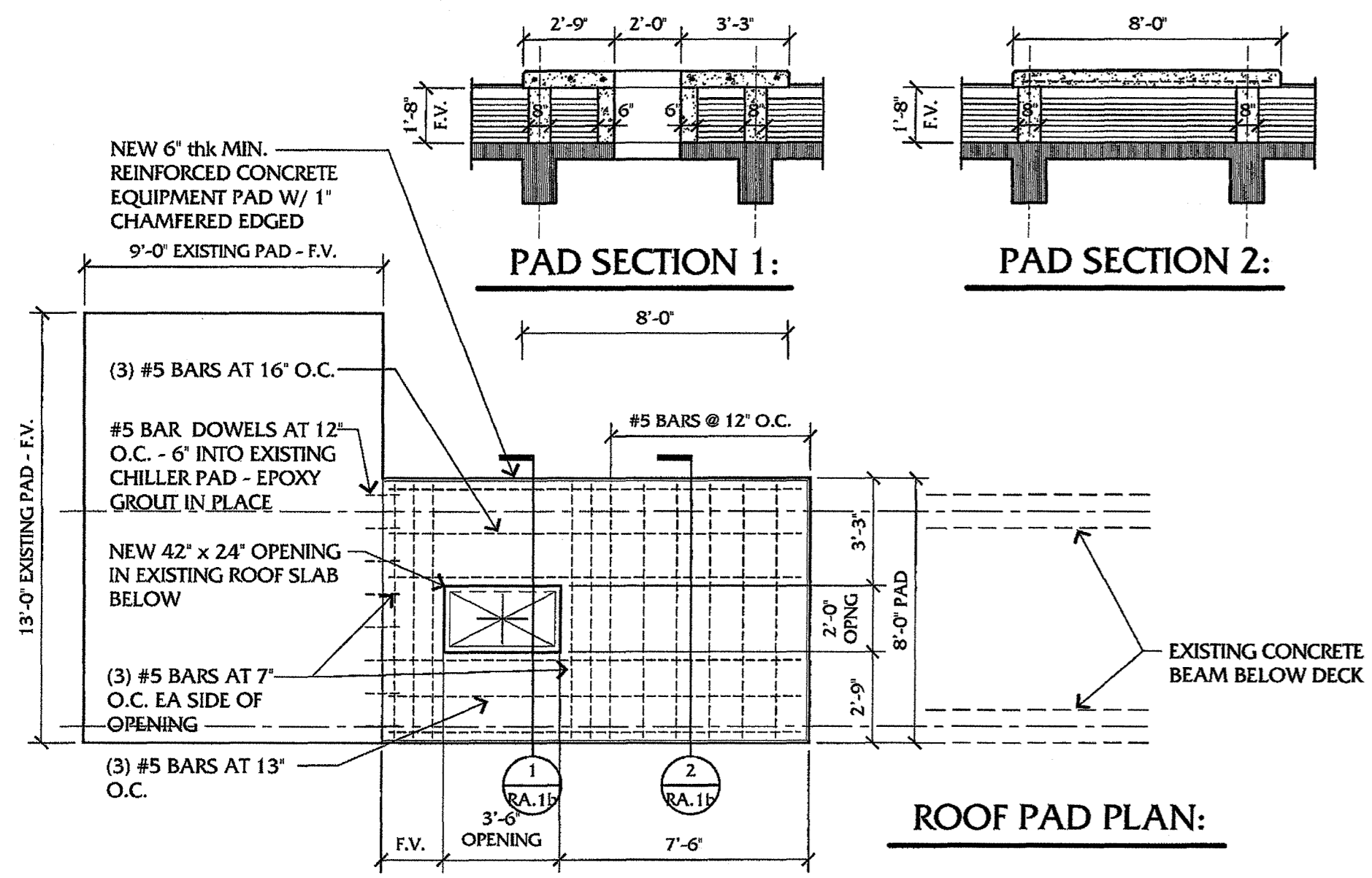
ROOF PLAN
 SCALE: 1/16" = 1'-0"
 PLAN NORTH

NEW WORK FLOOR PLAN
RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY

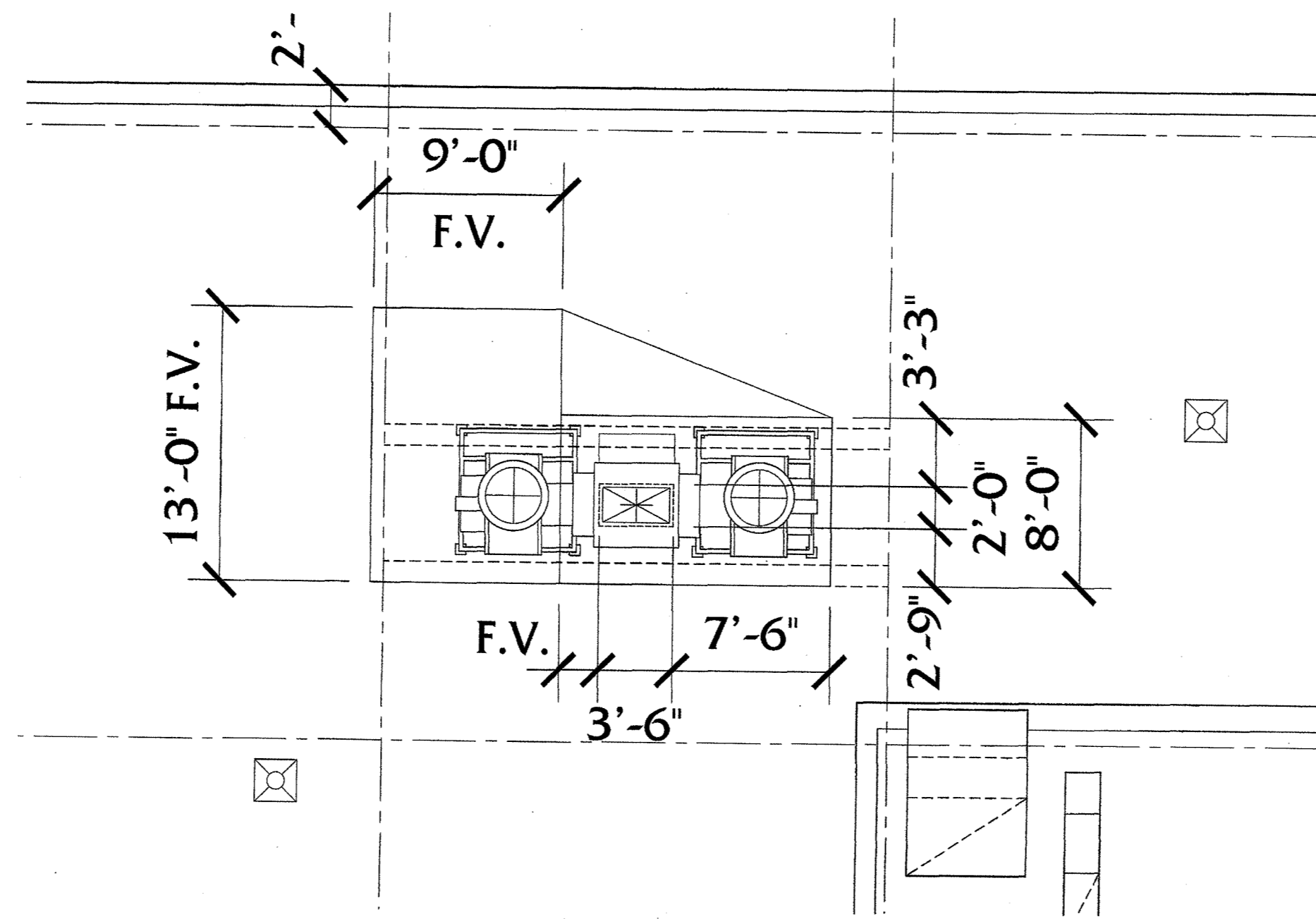


UK
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 CONSTRUCTION DOCUMENTS
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A.1

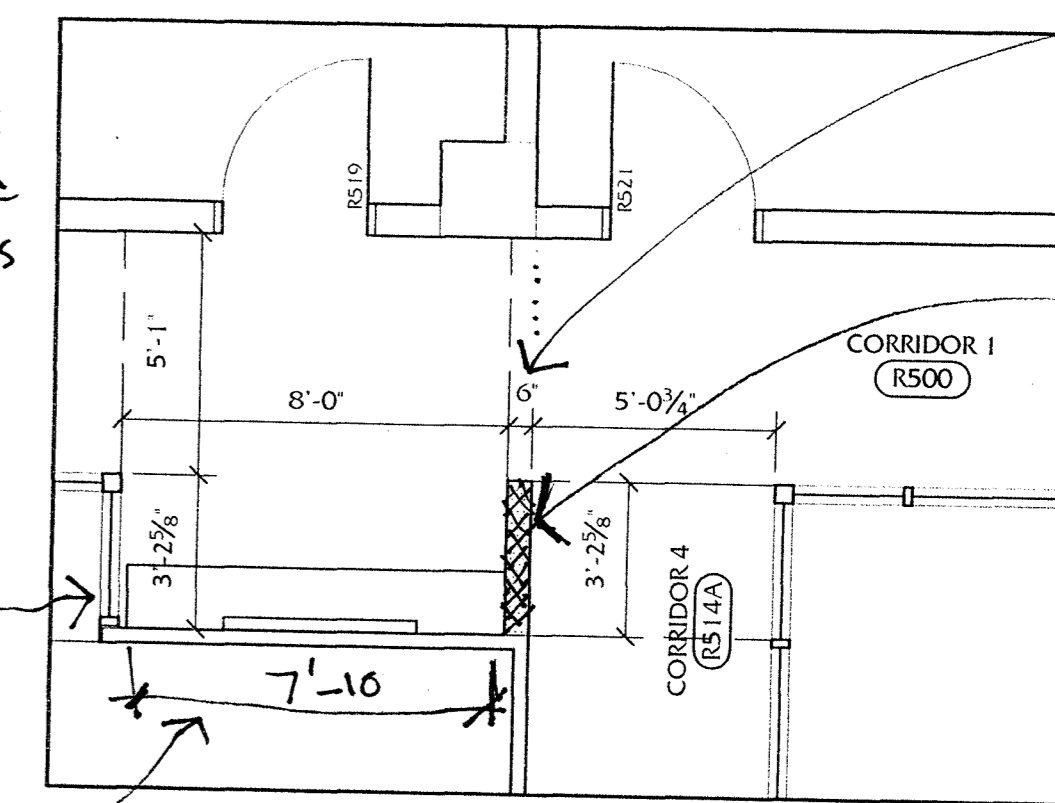


REVISED ROOF PAD SIZE		 UK UNIVERSITY OF KENTUCKY PROJECT # 2353.0	 bender associates architects 1000 UNIVERSITY AVENUE, SUITE 100 LEXINGTON, KY 40506-0100	DATE:	REVISION
RENOVATE ROBOTICS BUILDING UNIVERSITY OF KENTUCKY				14 NOV 2013	DRAWING NO.
					RA.1b



Extend 3/8" wall corners

Just a reminder: this end is finished because of the glass



Soffit framing in place may need to move back 6"

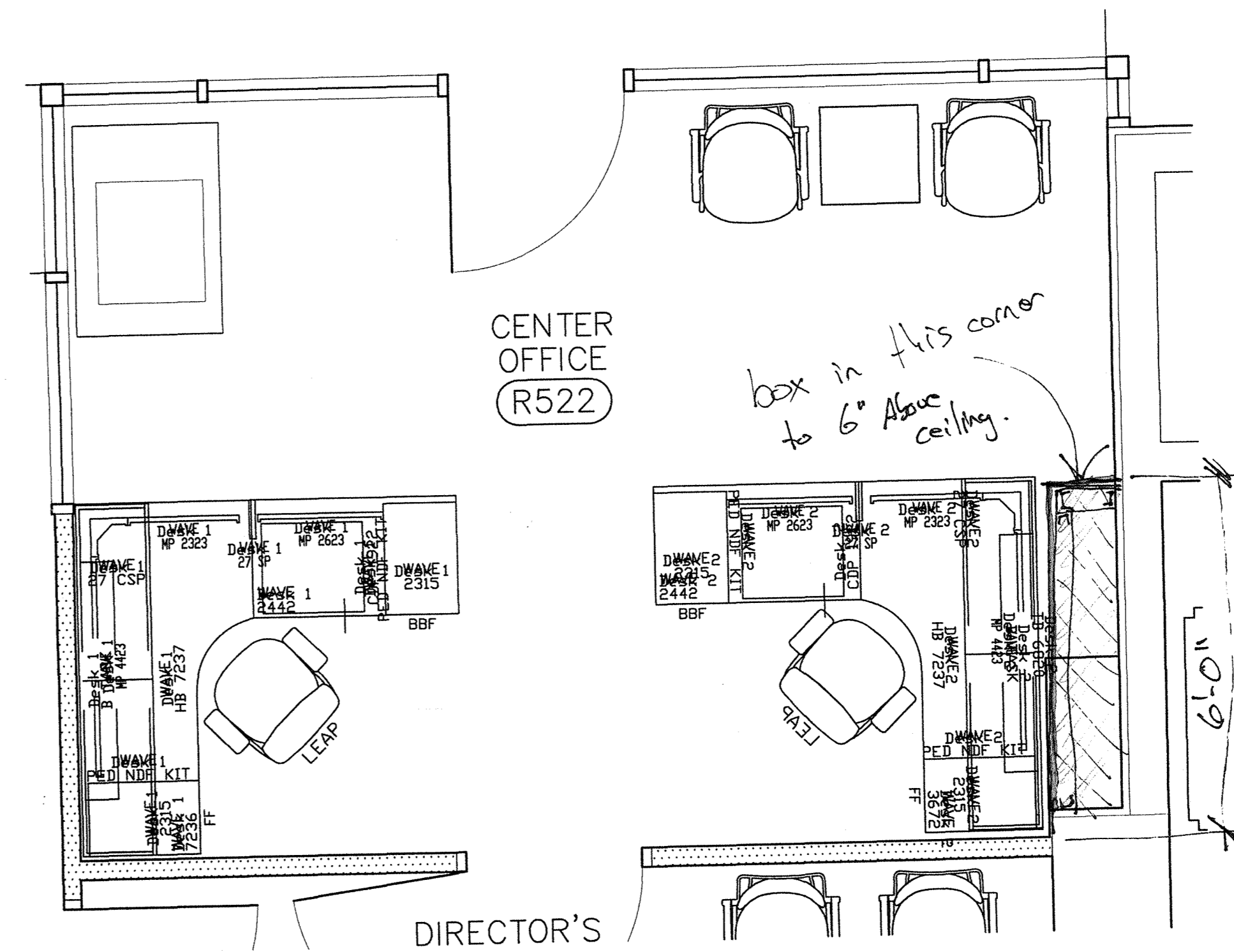
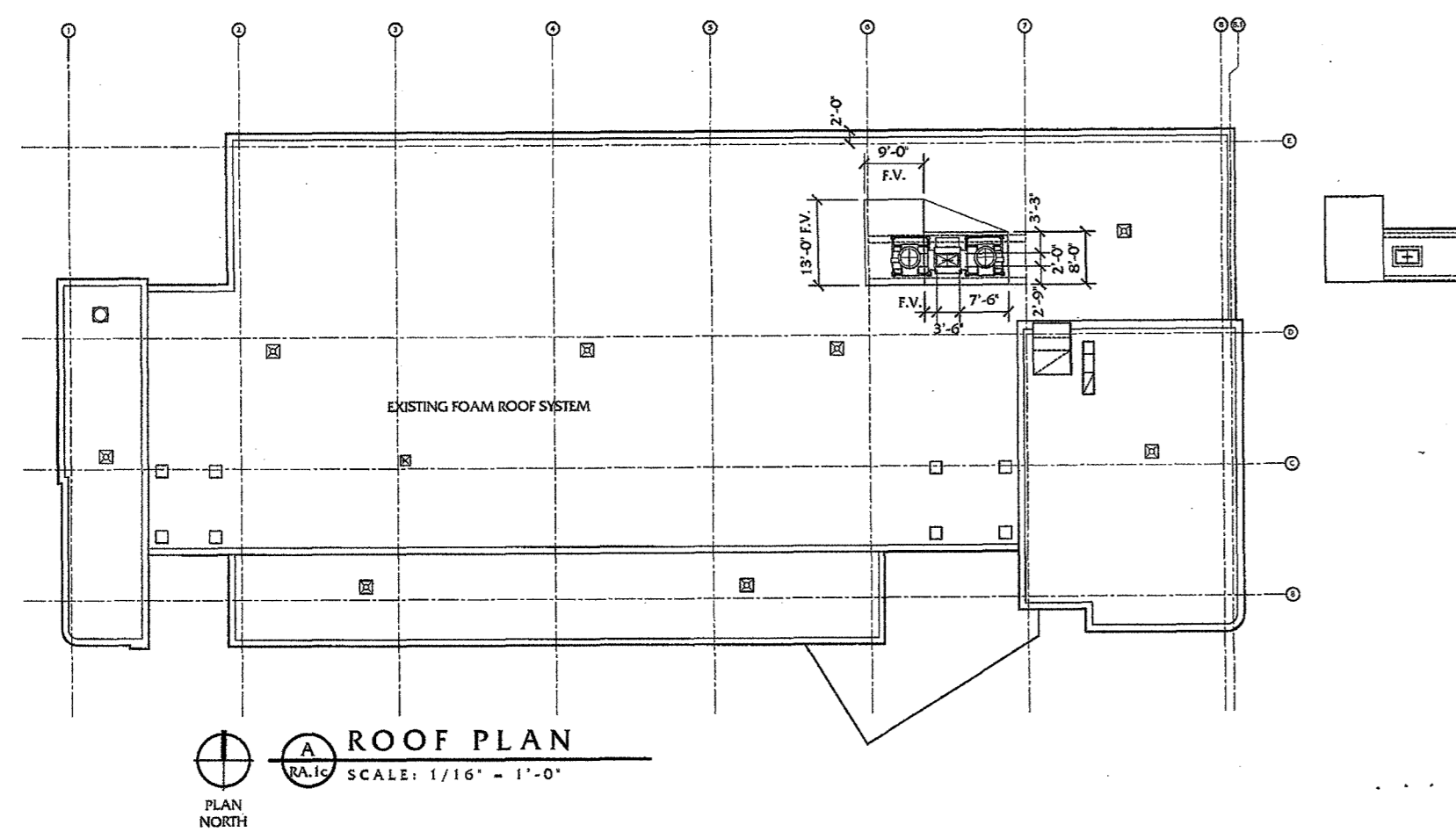
New 6" Metal Stud wall - floor to ceiling

Coordinate shortened length of countertop w/ sub

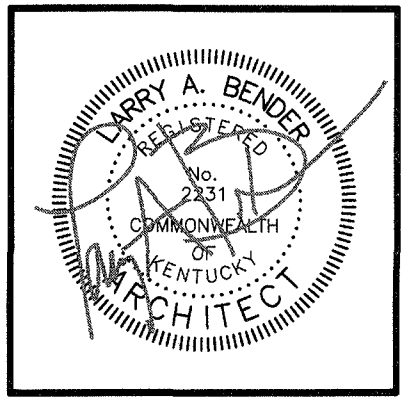


PLAN NORTH
REVISED FLOOR PLAN
SCALE: 1/4" = 1'-0"

REVISED FLOOR PLAN		 UK UNIVERSITY OF KENTUCKY PROJECT # 2353.0	 bender associates architects 1000 UNIVERSITY AVENUE, SUITE 100 LEXINGTON, KY 40506-0100	DATE:	REVISION
RENOVATE ROBOTICS BUILDING UNIVERSITY OF KENTUCKY				22 DEC 2013	DRAWING NO.
					RA.1d



9'6" height to 9'2" (9'0") Steve White
 RFI #1 9/30/13
 in Corridor Phone



SHEET NOTES:

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 - FLOOR PLAN NOTES, REFER TO SHT A.2
 - △ REFLECTED CEILING PLAN NOTES, REFER TO SHT A.2
 - INTERIOR WINDOW & DOOR FRAME TYPES, REFER TO SHT A.8
- REFER TO SHT A.9 FOR ROOM FINISH SCHEDULE

REFLECTED CEILING PLAN LEGEND:

- FH FUME HOOD, NEW - 48" w x 30" d x 84" t
- FHE FUME HOOD, EXISTING - RELOCATED, 72" w x 30" d x 84" t
- FFH FUTURE FUME HOOD LOCATION - NIC
- EX NO NEW CEILING WORK THIS AREA - EXISTING LIGHT FIXTURES REMAIN

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CEILING:

- ACOUS-1 24' x 24' ACOUSTICAL CEILING TILE
 - ACOUS-2 24' x 24' & 12' x 24' ACOUSTICAL CEILING TILES
 - NEW GYPSUM BOARD CEILING - PAINT
 - DWCJ NEW GYPSUM BOARD CONTROL JOINT - CJ GOES UP THE THE F.O. THE ADJACENT SOFFIT/HEADER
- PROVIDE NEW 24" x 3" SOUN DATTEN BATTIS EACH SIDE OF INDICATED WALL ABOVE ACOUS TILE CEILING

FIRE PROTECTION:

- SEMI-RECESSED SPRINKLER HEAD

MECHANICAL:

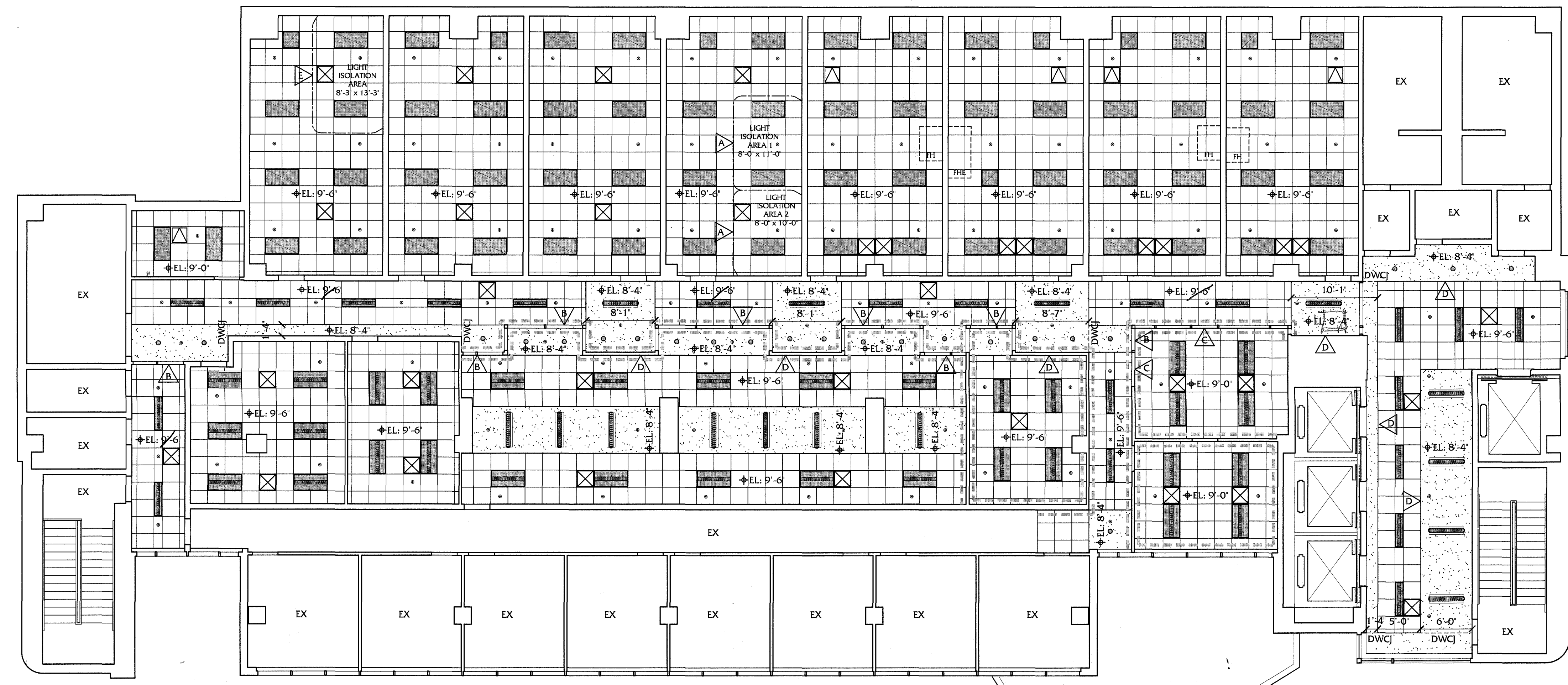
- SUPPLY AIR DIFFUSERS
- △ EXHAUST AIR GRILLES

ELECTRICAL:

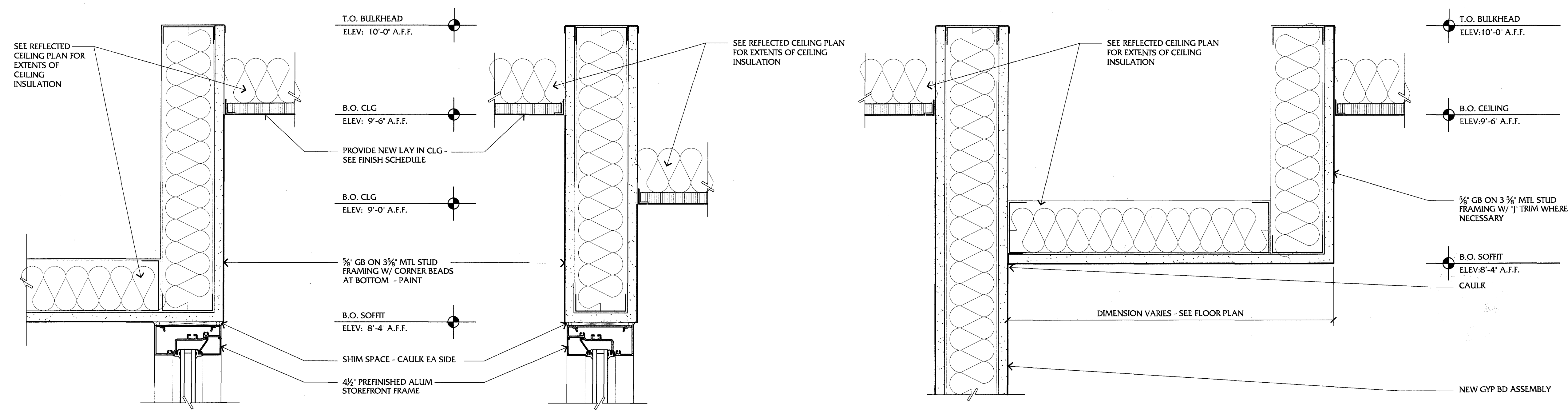
- 24" x 48" INDIRECT FLUORESCENT LAY-IN LIGHT FIXTURE
- 12" x 48" INDIRECT FLUORESCENT LAY-IN LIGHT FIXTURE
- CABLE MOUNTED FLUORESCENT FIXTURE - 8'-0" AFF
- 24" x 48" FLUORESCENT LAY-IN LIGHT FIXTURE W/ PRISMATIC LENS
- 24" x 24" FLUORESCENT LAY-IN LIGHT FIXTURE W/ PRISMATIC LENS
- RECESSED FLUORESCENT CAN

REFLECTED CEILING PLAN NOTES:

- GENERAL RCP NOTES:**
- ALL CEILINGS INDICATED AS NEW MATERIAL REQUIRE EXISTING CEILING DEMOLITION FOR THE EXTENTS INDICATED ON REFLECTED CEILING PLANS
 - ALIGN SOFFITS WITH NO SPECIFIC DIMENSION W/ ADJACENT WALLS OR CORNERS BELOW
 - △ BLOAKOUT CURTAIN ON CEILING MOUNTED TRACK - SEE FLOOR PLAN NOTE 09 AND BLACKOUT CURTAIN AND TRACKS NOTES SHEET A.1
 - △ GYPSUM BOARD ASSEMBLY SOFFIT - SEE FLOOR PLAN A/A.1 FOR INDICATED SOFFIT WIDTH - SEE DETAIL B/A.2
 - △ GYPSUM BOARD ASSEMBLY BULKHEAD - SEE REFLECTED CEILING PLANS FOR EXTENTS - SEE DETAIL C/A.2
 - △ GYPSUM BOARD ASSEMBLY SOFFIT - SEE FLOOR PLAN A/A.1 FOR INDICATED SOFFIT WIDTH - SEE DETAIL D/A.2
 - △ BLACKOUT CURTAIN ON CEILING MOUNTED TRACK - SEE FLOOR PLAN NOTE 10 AND BLACKOUT CURTAIN AND TRACKS NOTES SHEET A.1



A REFLECTED CEILING PLAN
 SCALE: 1/2" = 1'-0"

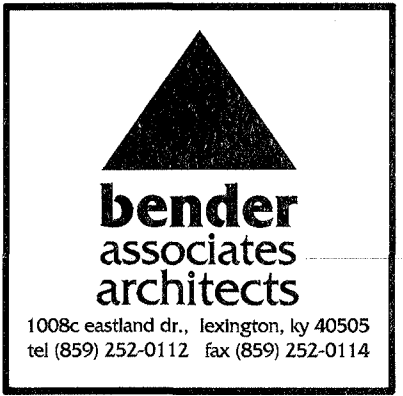


B SOFFIT DETAIL
 SCALE: 3" = 1'-0"

C BULKHEAD DETAIL
 SCALE: 3" = 1'-0"

D SOFFIT DETAIL
 SCALE: 3" = 1'-0"

REFLECTED CEILING PLAN
 RENOVATE ROBOTICS BUILDING
 UNIVERSITY OF KENTUCKY



UK
 CPMD PROJECT #: 2353.0
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A.2

Allen Foster

From: Steve White <swhite@benderarch.com>
Sent: Monday, September 30, 2013 2:54 PM
To: 'Allen Foster'
Cc: lbender@benderarch.com; jmarrillia@marrillia.com; bgravitt@marrillia.com
Subject: RE: UK Robotics - Bulkhead and Ceiling Heights

9'6"

Allen,
All new Acoustic Tile Ceilings shall be same height as existing (9'-0" +/- confirm). New hard GB soffits shall be as shown on RCP. Everything looked like it was pretty much framed up soffit wise in the Elevator Lobby when we were there last week. If we can get the 9'-6" or anything higher than 9'-0" we would like that. If not then 9'-0" will work. Thanks.


steve white, ra, leed ap
senior project architect
bender associates architects
1008c eastland drive
lexington, ky 40505
t: 859.252.0112
f: 859.252.0114
e: swhite@benderarch.com

From: Allen Foster [<mailto:afoster@marrillia.com>]
Sent: Monday, September 30, 2013 9:08 AM
To: swhite@benderarch.com
Cc: lbender@benderarch.com; jmarrillia@marrillia.com; bgravitt@marrillia.com
Subject: UK Robotics - Bulkhead and Ceiling Heights

Steve, was there ever an official decision on the ceiling heights outside the elevators or building the bulkhead in Corridor R500 outside of Lab R511 to accommodate the hydronic pipe in the ceiling at 9'6". Our framing crew will be ready to work in those areas in the next day or so and will need direction on any changes to ceilings. Thank you.

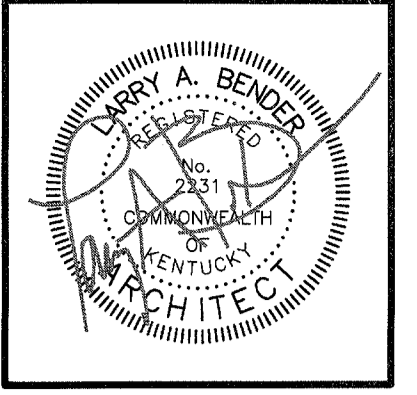
Allen Foster
Site Manager
Marrillia Design and Construction
259 West Short Street, Suite 325
Lexington, Kentucky 40507
Tel 859.685.0414
Fax 859.685.0418
Cell 859.509.0202
Web www.marrillia.com

GENERAL CASEWORK NOTES:

- ALL STANDING HEIGHT BASE CABINETS, KNEE SPACES, END LEG ASSEMBLIES & END SUPPORT PANELS SHALL BE 36" AFF TO THE T.O. EPOXY WORK SURFACE.
- ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" TO THE T.O. EPOXY WORK SURFACE.
- CAULK ALL BACK SPLASHES AT ADJACENT WALL.
- SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
 116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
 123493 INSET STEEL LABORATORY CASEWORK
- SEE MEP DRAWINGS & SPECIFICATIONS

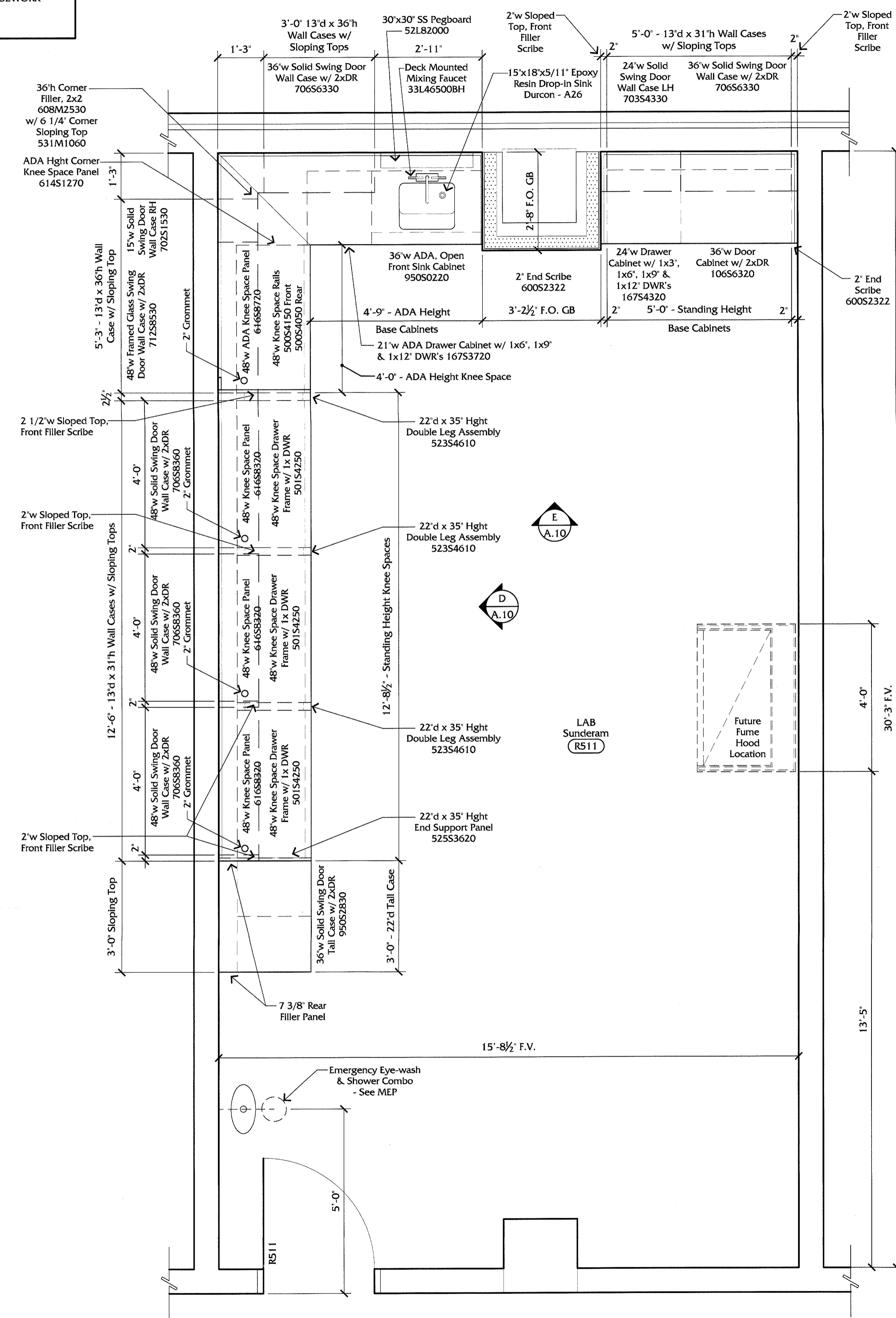
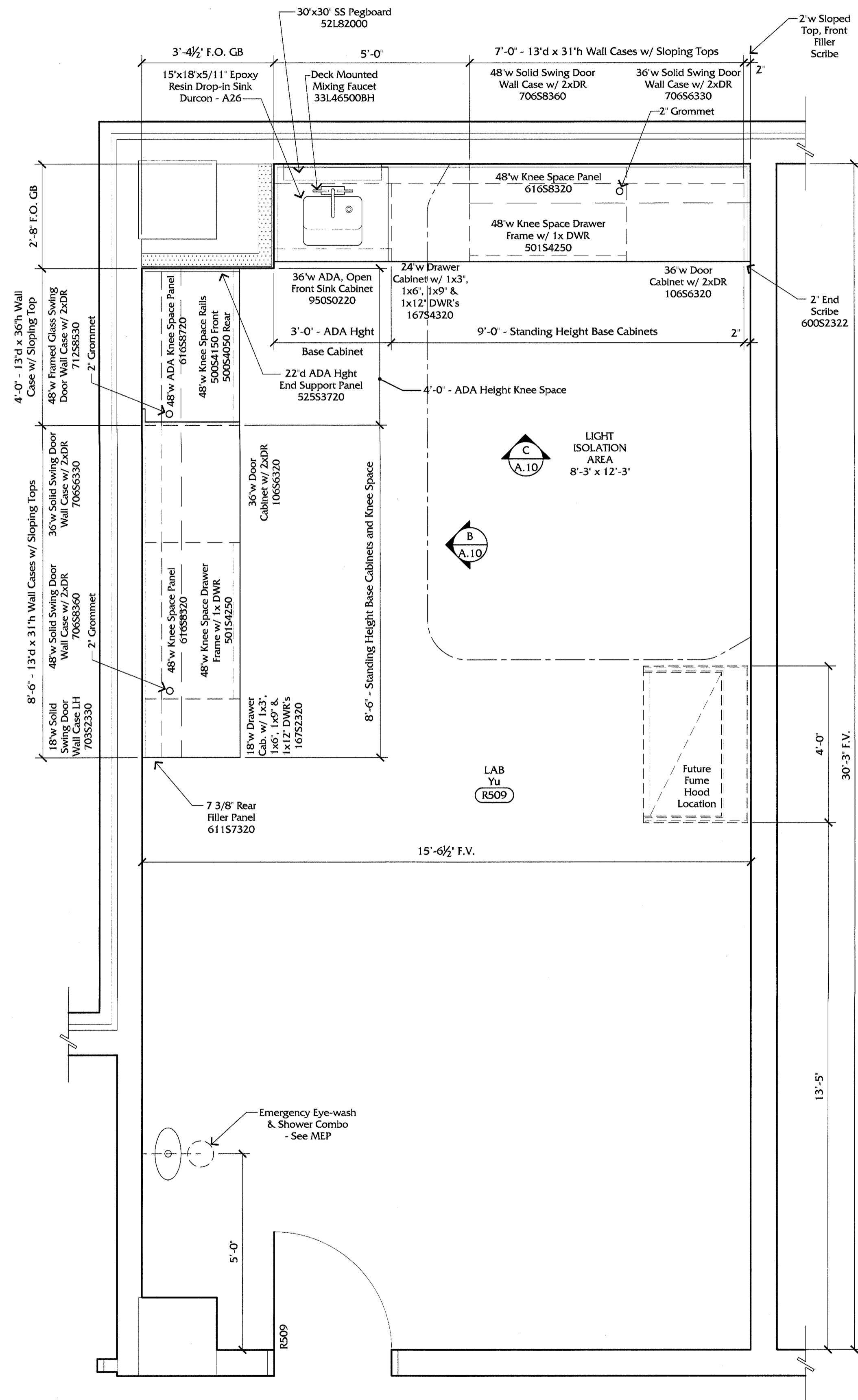
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ENLARGED LAB R509 PLAN - Yu
 SCALE: 1/2" = 1'-0"
 PLAN NORTH

ENLARGED LAB R511 PLAN - Sunderam
 SCALE: 1/2" = 1'-0"
 PLAN NORTH

ENLARGED FLOOR PLAN
RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY



UK
 CPMD PROJECT #: 2353.0
 CONSTRUCTION DOCUMENTS
 30 MAY 2013

A.3

Allen Foster

From: Steve White <swhite@benderarch.com>
Sent: Monday, September 30, 2013 2:25 PM
To: 'Allen Foster'
Cc: lbender@benderarch.com; jmarrillia@marrillia.com; bgravitt@marrillia.com
Subject: RE: UK Robotics Room 509 Chase

I spoke with Brian about this at the job meeting. Please move the studs for the chase towards the door. It will not affect the casework layout on this side. No need to cut out the plate, we have plenty of room. Also, please note that on the plans I called out dimensions to the F.O. GB not F.O. stud.

steve white, ra, leed ap
senior project architect
bender associates architects
1008c eastland drive
lexington, ky 40505
t: 859.252.0112
f: 859.252.0114
e: swhite@benderarch.com

-----Original Message-----

From: Allen Foster [<mailto:afoster@marrillia.com>]
Sent: Monday, September 30, 2013 1:59 PM
To: swhite@benderarch.com
Cc: lbender@benderarch.com; jmarrillia@marrillia.com; bgravitt@marrillia.com
Subject: UK Robotics Room 509 Chase

Drawings (H.1.1 R1 and H.1.2 R1) modified the 4th and 5th floor duct bringing a 14" round duct through the floor and in the chase of Lab 509. As you can see from the photo, the duct will not fit in the new chase. The duct will fit across the back wall, but will need to come out further on the side closest to the door to accommodate the new duct. Please verify that this is how you want us to proceed. Thank you.

<https://admin.securrence.com/shaqSubmitSpam.php?sid=1380565496595-025-00335643&to=afoster%40marrillia.com&id=670042AAAA7B9>

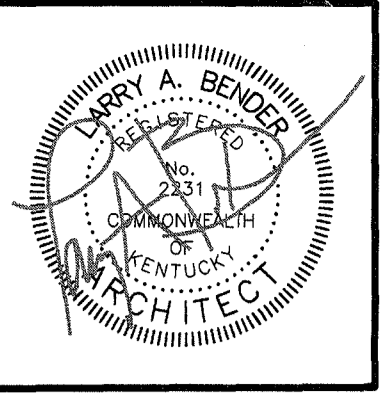
GENERAL CASEWORK NOTES:

- ALL STANDING HEIGHT BASE CABINETS, KNEE SPACES, END LEG ASSEMBLIES & END SUPPORT PANELS SHALL BE 36" AFF TO THE T.O. EPOXY WORK SURFACE
- ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" TO THE T.O. EPOXY WORK SURFACE
- CAULK ALL BACK SPLASHES AT ADJACENT WALL
- SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
123493 INSET STEEL LABORATORY CASEWORK
- SEE MEP DRAWINGS & SPECIFICATIONS

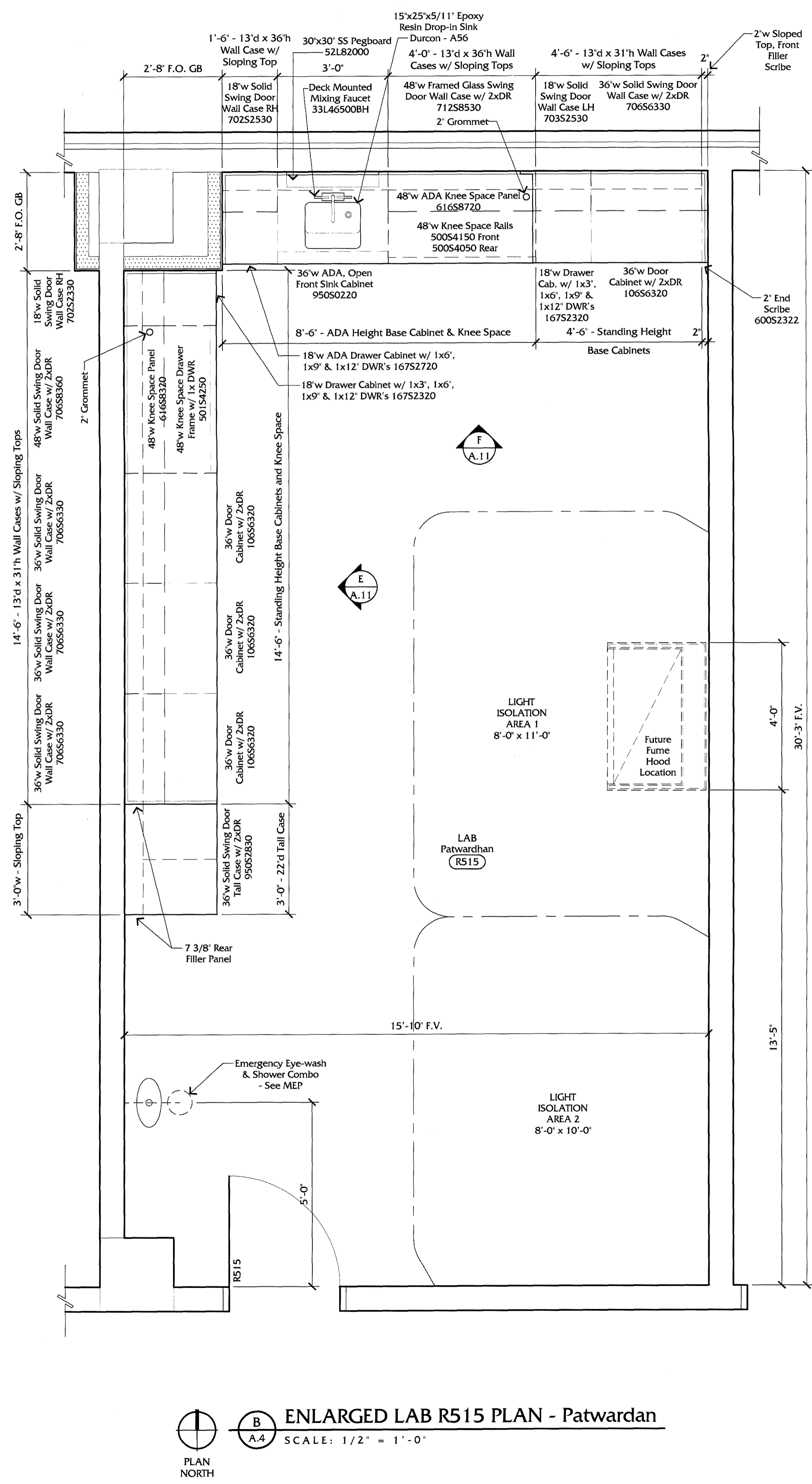
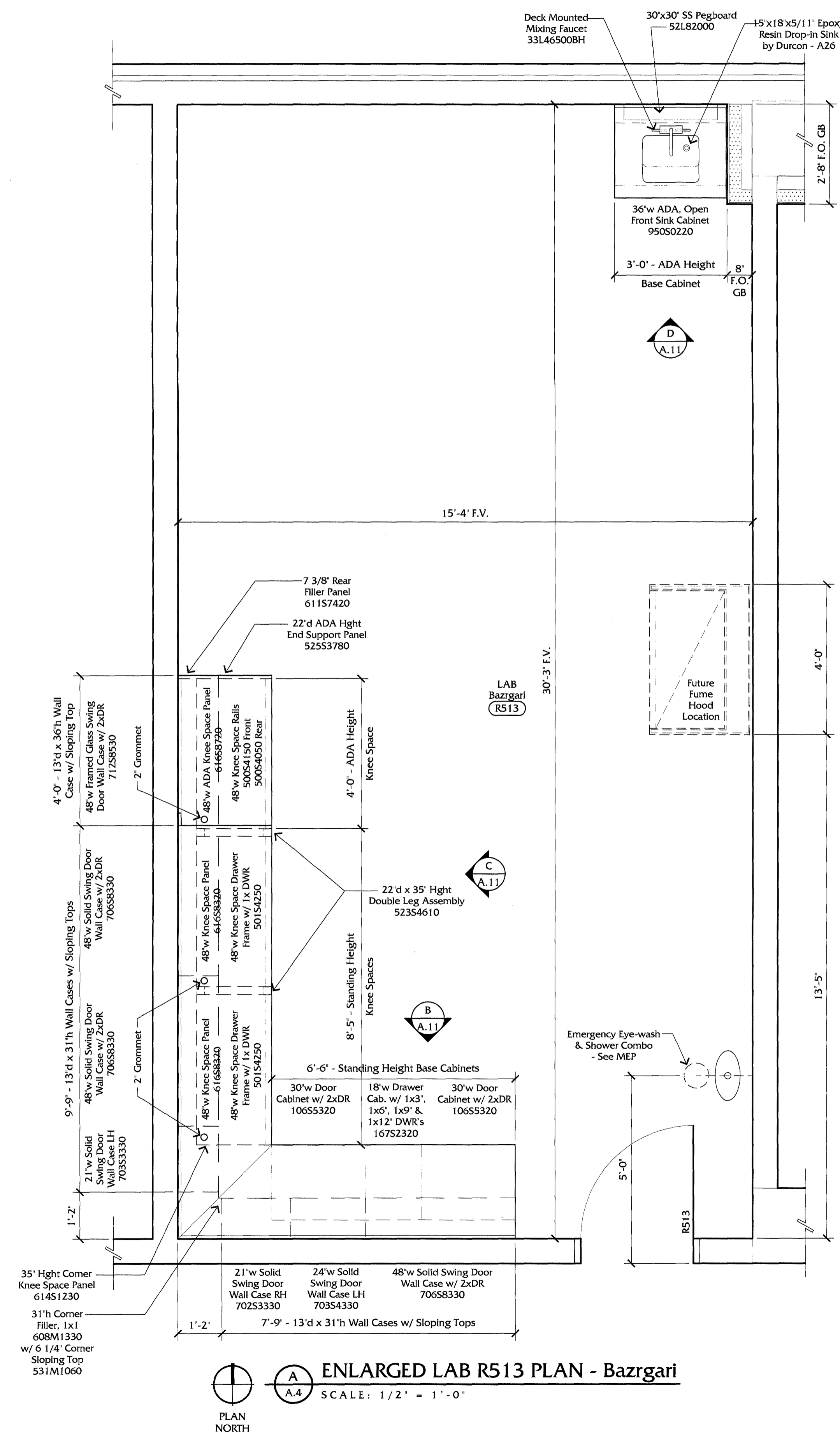
SHEET NOTES:

- ◇ DEMOLITION FLOOR PLAN NOTES, REFER TO SHT A.0
- PARTITION TYPES LEGEND, REFER TO SHT A.1
- FLOOR PLAN NOTES, REFER TO SHT A.1
- △ REFLECTED CEILING PLAN NOTES, REFER TO SHT A.2
- INTERIOR WINDOW & DOOR FRAME TYPES, REFER TO SHT A.8

REFER TO SHT A.9 FOR ROOM FINISH SCHEDULE



WARNING OF PARTIAL SET REVIEW
 General contractors and subcontractors bidding on work elements shown on this single sheet are hereby required to review the full set of construction drawings, the Specifications Manual and addenda (if issued) prior to submission of a bid. Submission of a bid shall serve as certification by all contractors of their comprehensive review of the complete Construction Documents Set listed above. Failure to review all Contract Documents regardless of reason, shall not be reason for adjustment of the contract amount.



ENLARGED LAB PLANS

RENOVATE ROBOTICS BUILDING
 UNIVERSITY OF KENTUCKY



UK

CPMD PROJECT #: 2353.0
 CONSTRUCTION DOCUMENTS
 30 MAY 2013

A.4

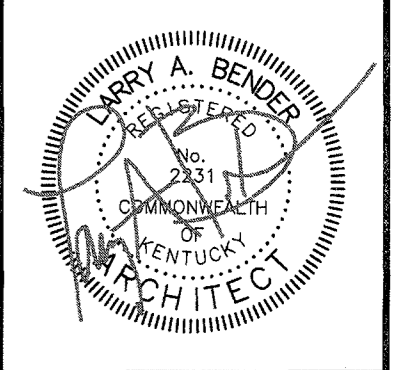
GENERAL CASEWORK NOTES:

- ALL STANDING HEIGHT BASE CABINETS, KNEE SPACES, END LEG ASSEMBLIES & END SUPPORT PANELS SHALL BE 36" AFF TO THE T.O. EPOXY WORK SURFACE
- ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" TO THE T.O. EPOXY WORK SURFACE
- CAULK ALL BACK SPLASHES AT ADJACENT WALL
- SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
 116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
 123493 INSET STEEL LABORATORY CASEWORK
- SEE MEP DRAWINGS & SPECIFICATIONS

SHEET NOTES:

- ◇ DEMOLITION FLOOR PLAN NOTES, REFER TO SHT A.0
- PARTITION TYPES LEGEND, REFER TO SHT A.1
- FLOOR PLAN NOTES, REFER TO SHT A.1
- △ REFLECTED CEILING PLAN NOTES, REFER TO SHT A.2
- INTERIOR WINDOW & DOOR FRAME TYPES, REFER TO SHT A.8

REFER TO SHT A.9 FOR ROOM FINISH SCHEDULE



WARNING OF PARTIAL SET REVIEW

General contractors and Subcontractors bidding on work elements shown on this sheet are hereby required to review the full set of construction drawings, the Specifications Manual and addenda (if issued) prior to submission of a bid. Signatures of bid shall serve as certification by all contractors of their comprehensive review of the complete Construction Documents Set listed above. Failure to review all Contract Documents, regardless of reason, shall not be reason for adjustment of the contract amount.

ENLARGED LAB PLANS

RENOVATE ROBOTICS BUILDING

UNIVERSITY OF KENTUCKY

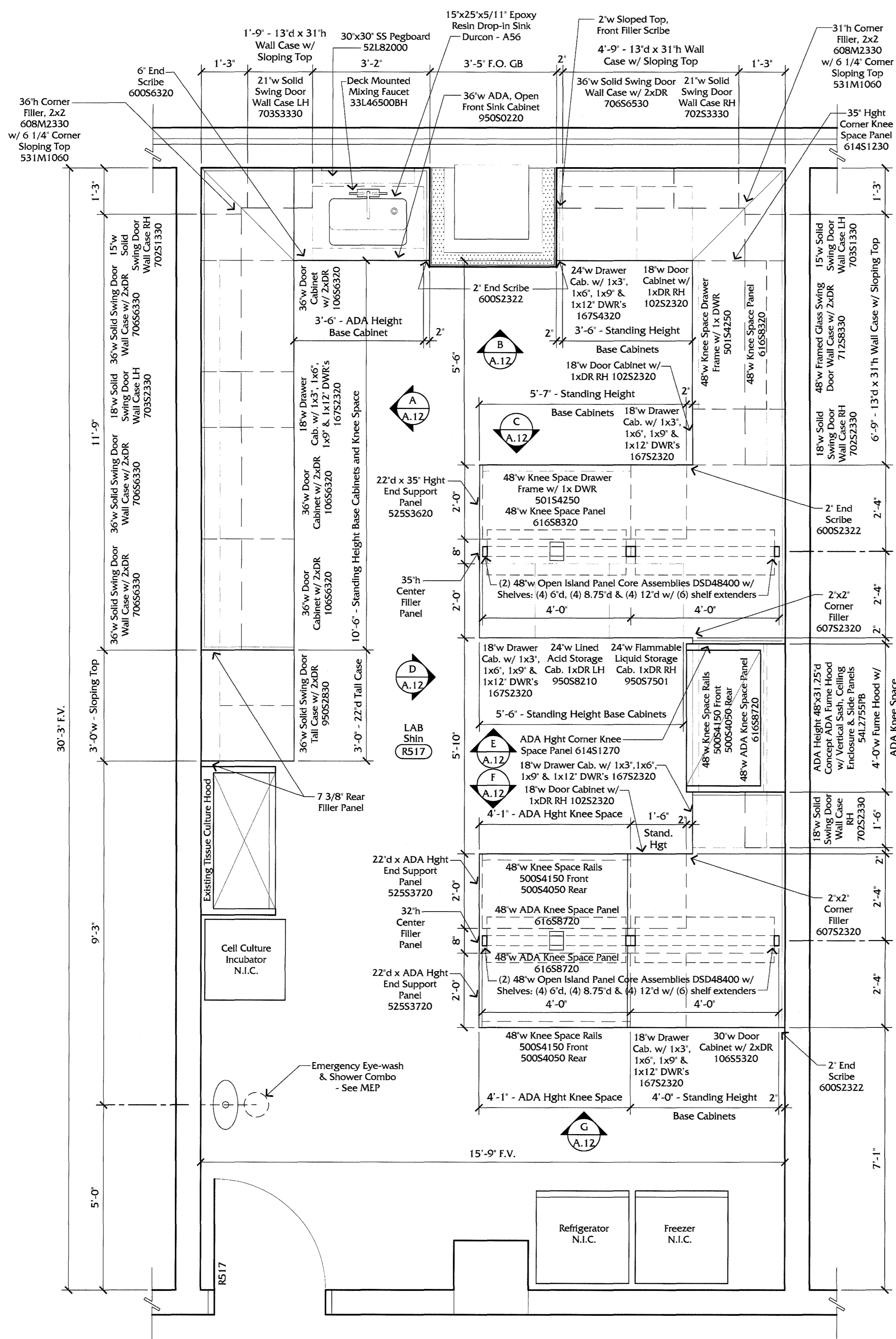
bender associates

1008 eastland dr., lexington, ky 40505
tel (859) 252-0112 fax (859) 252-0114

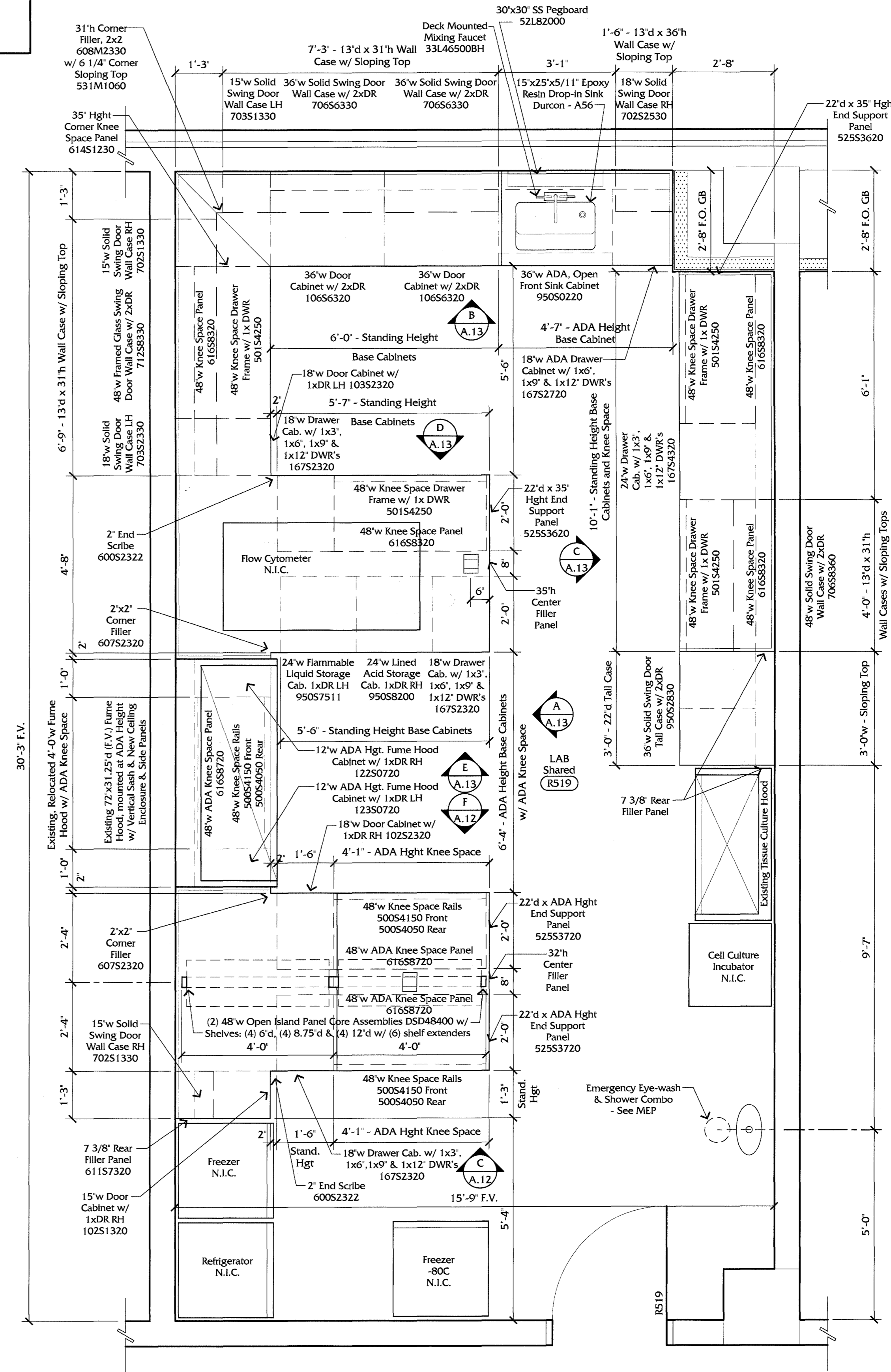
UK

CPMD PROJECT #: 2353.0
CONSTRUCTION DOCUMENTS
30 MAY 2013

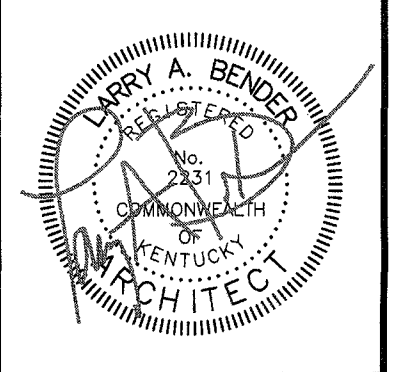
A.5



ENLARGED LAB R517 PLAN - Shin
 SCALE: 1/2" = 1'-0"
 PLAN NORTH

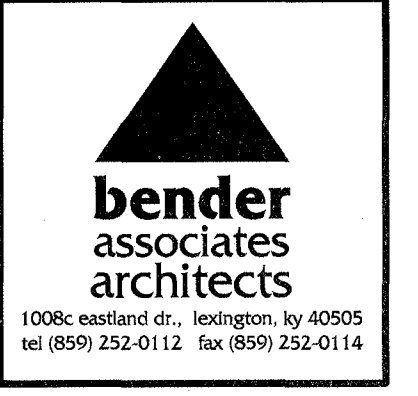


ENLARGED LAB R519 PLAN - Shared
 SCALE: 1/2" = 1'-0"
 PLAN NORTH



WARNING OF PARTIAL SET REVIEW
 General contractors and Subcontractors Bidding on work elements shown on this single sheet are hereby required to review the full set of construction drawings, the Specifications Manual and addenda (if issued) prior to submission of a bid. Submission of bid and award of certification by all contractors of their comprehensive review of the complete Construction Documents Set listed above. Failure to review all Contract Documents, regardless of reason, shall not be a basis for adjustment of the contract amount.

ENLARGED LAB PLANS
RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY



100R eastland dr., Lexington, ky 40505
 tel (859) 252-0112 fax (859) 252-0114
UK
 CPMD PROJECT #: 2353.0
 CONSTRUCTION DOCUMENTS
 30 MAY 2013

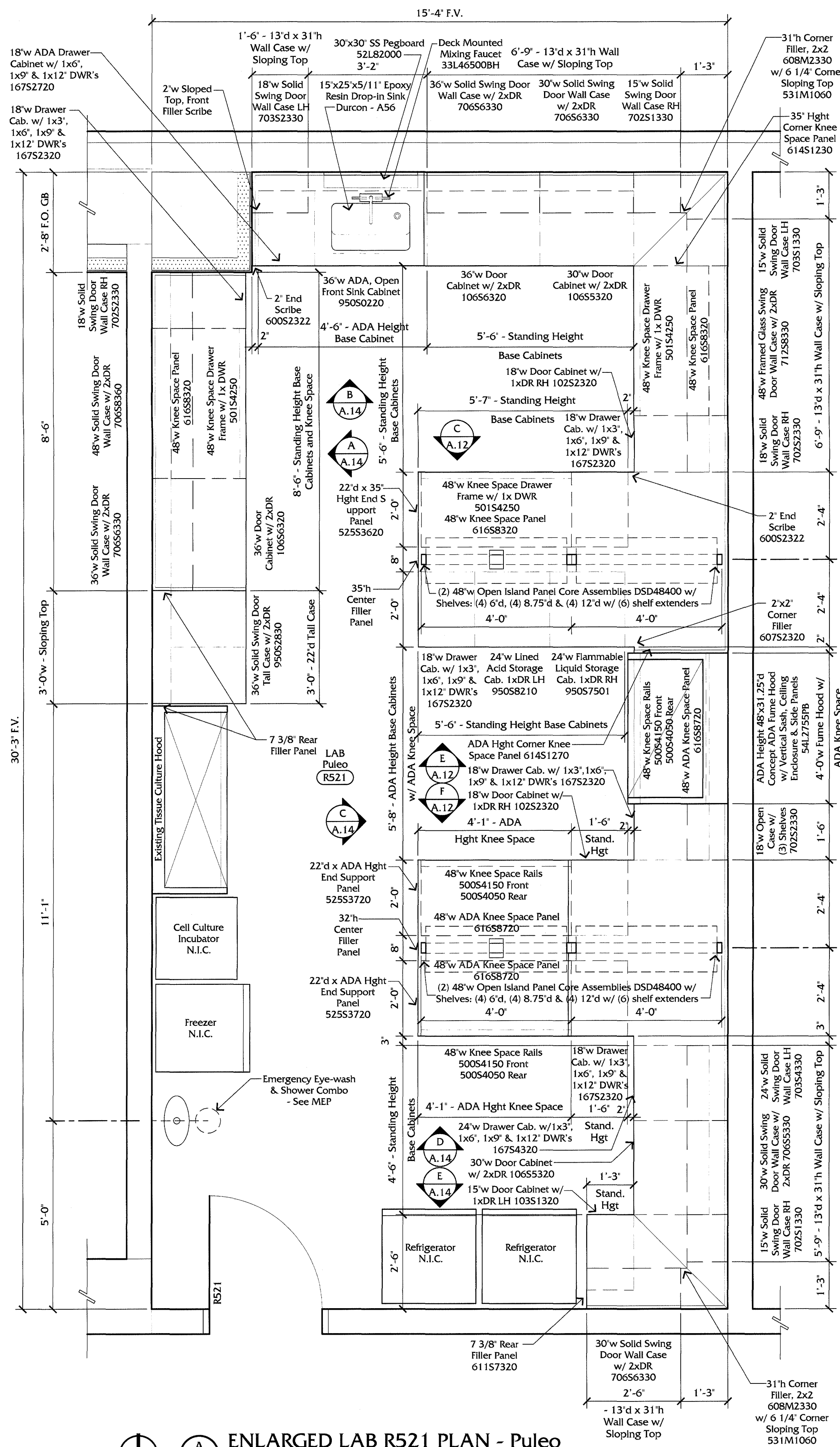
A.6

SHEET NOTES:

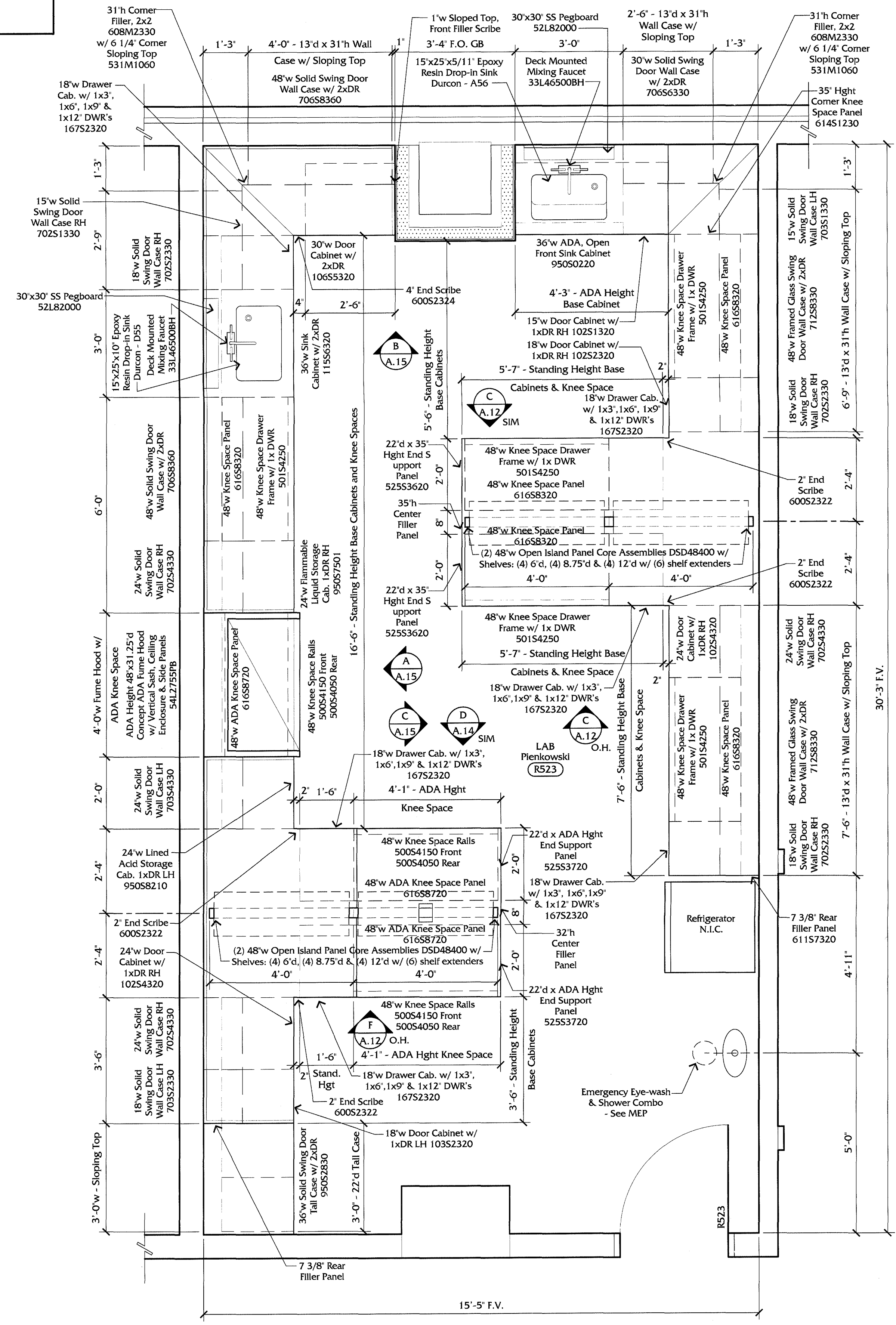
- ◊ DEMOLITION FLOOR PLAN NOTES, REFER TO SHT A.0
 - PARTITION TYPES LEGEND, REFER TO SHT A.1
 - FLOOR PLAN NOTES, REFER TO SHT A.1
 - △ REFLECTED CEILING PLAN NOTES, REFER TO SHT A.2
 - INTERIOR WINDOW & DOOR FRAME TYPES, REFER TO SHT A.8
- REFER TO SHT A.9 FOR ROOM FINISH SCHEDULE

GENERAL CASEWORK NOTES:

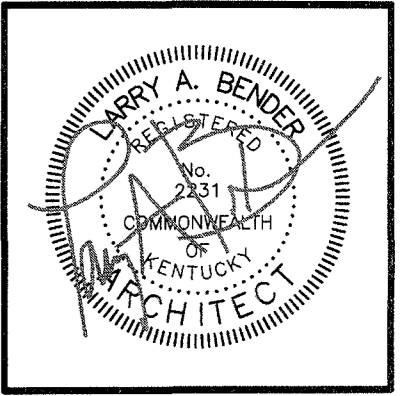
- ALL STANDING HEIGHT BASE CABINETS, KNEE SPACES, END LEG ASSEMBLIES & END SUPPORT PANELS SHALL BE 36" AFF TO THE T.O. EPOXY WORK SURFACE
- ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" TO THE T.O. EPOXY WORK SURFACE
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- SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
 116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
 123493 INSET STEEL LABORATORY CASEWORK
- SEE MEP DRAWINGS & SPECIFICATIONS



ENLARGED LAB R521 PLAN - Puleo
 SCALE: 1/2" = 1'-0"
 PLAN NORTH



ENLARGED LAB R523 PLAN - Pienkowski
 SCALE: 1/2" = 1'-0"
 PLAN NORTH



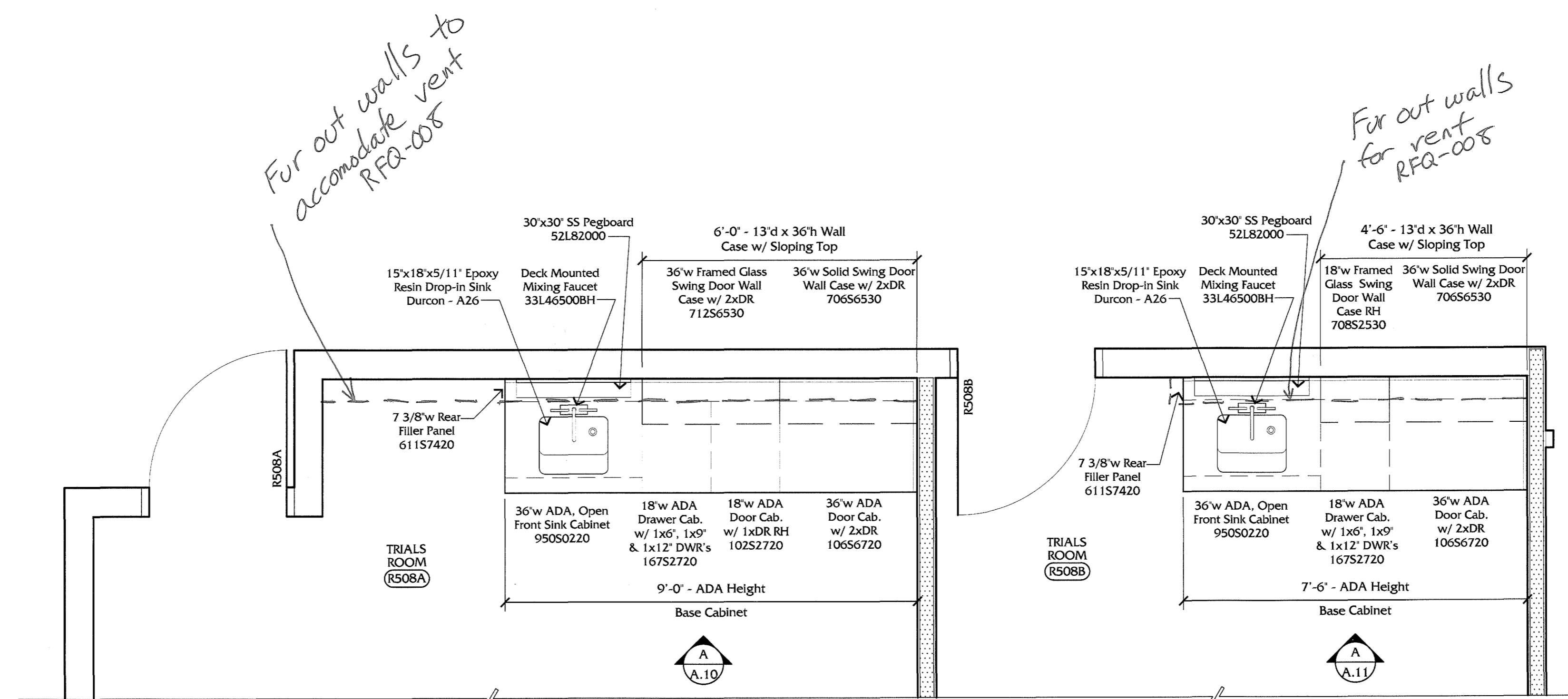
SHEET NOTES:

- ◇ DEMOLITION FLOOR PLAN NOTES, REFER TO SHT A.0
 - PARTITION TYPES LEGEND, REFER TO SHT A.1
 - FLOOR PLAN NOTES, REFER TO SHT A.1
 - △ REFLECTED CEILING PLAN NOTES, REFER TO SHT A.2
 - INTERIOR WINDOW & DOOR FRAME TYPES, REFER TO SHT A.8
- REFER TO SHT A.9 FOR ROOM FINISH SCHEDULE

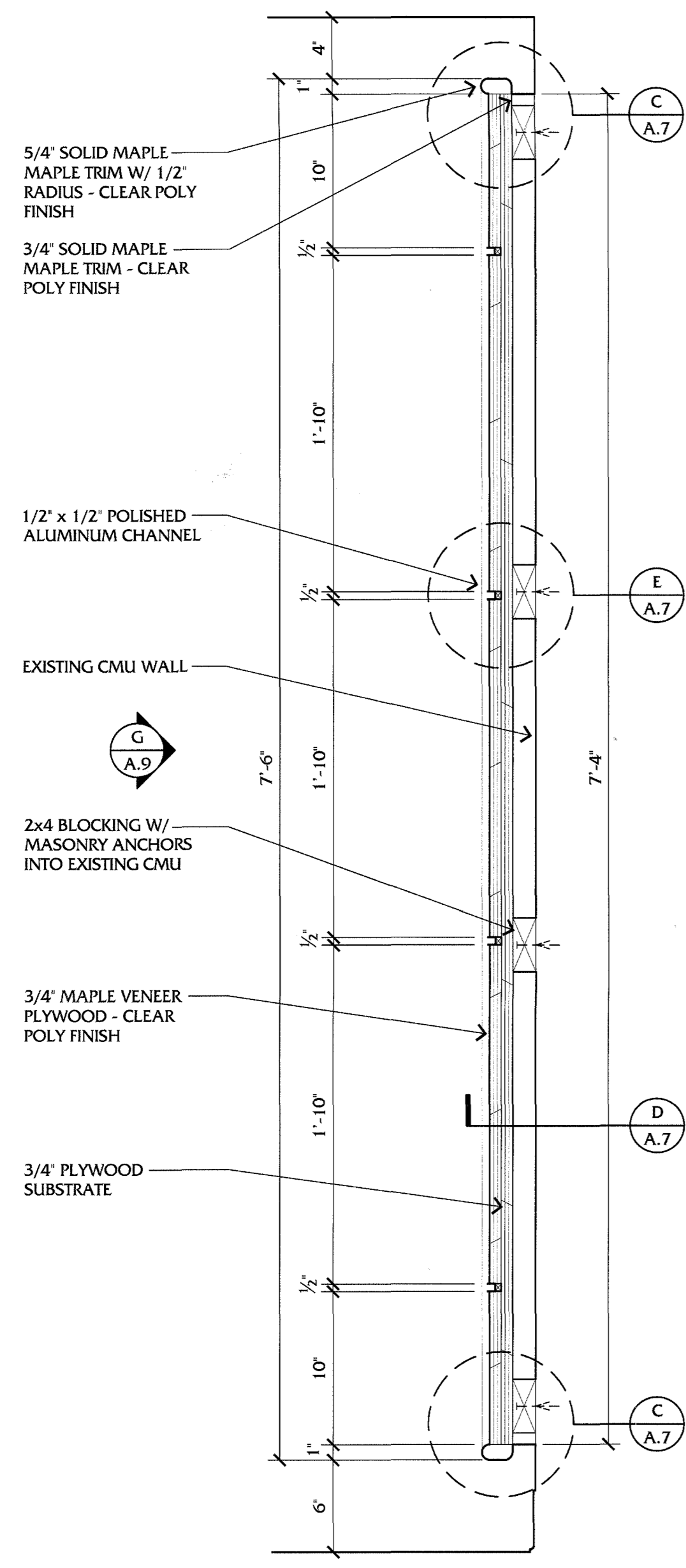
WARNING OF PARTIAL SET REVIEW
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GENERAL CASEWORK NOTES:

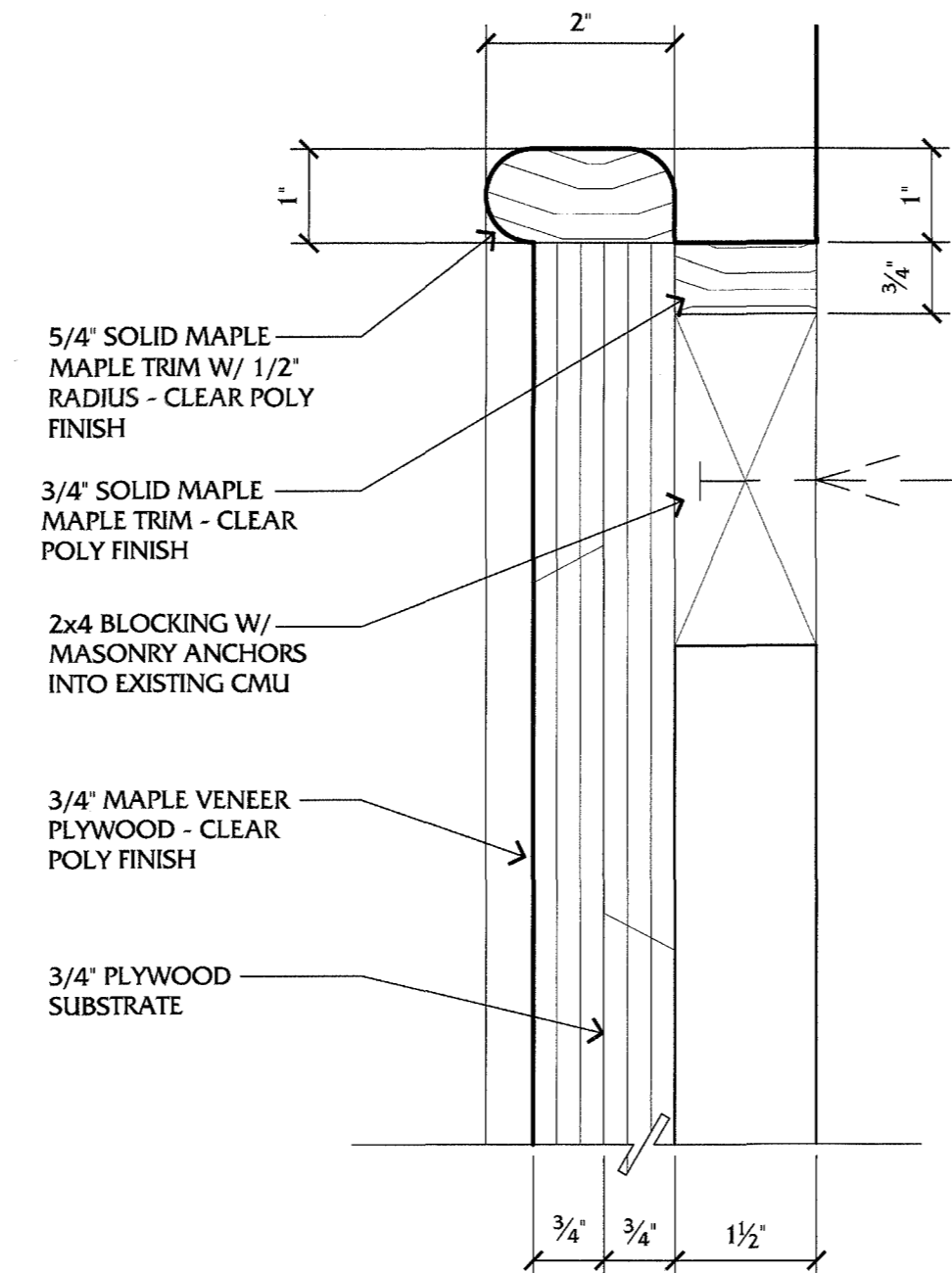
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- ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" TO THE T.O. EPOXY WORK SURFACE
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- SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
 116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
 123493 INSET STEEL LABORATORY CASEWORK
- SEE MEP DRAWINGS & SPECIFICATIONS



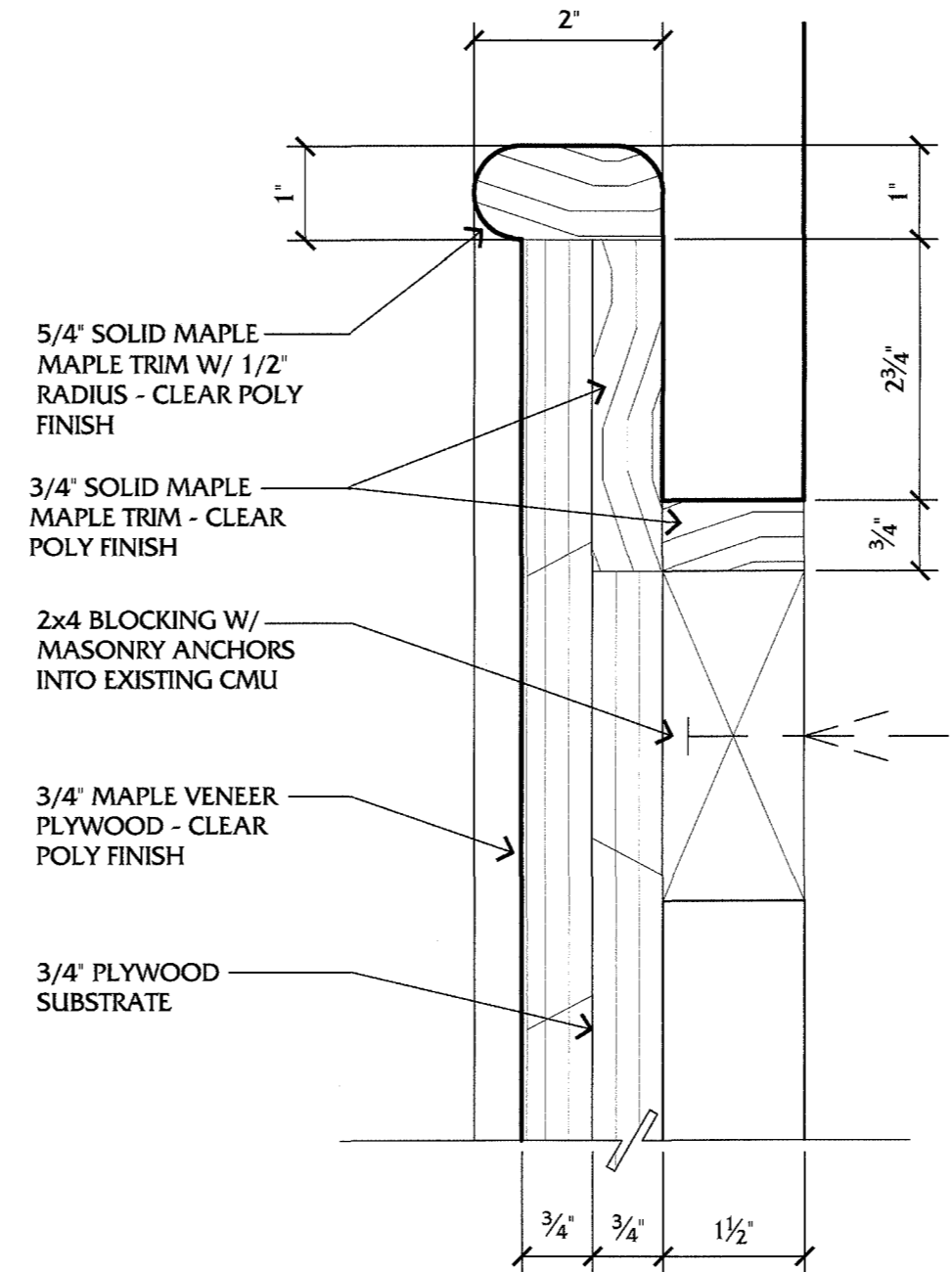
ENLARGED TRIALS ROOMS R508 & R508A PLAN
 SCALE: 1/2" = 1'-0"
 PLAN NORTH



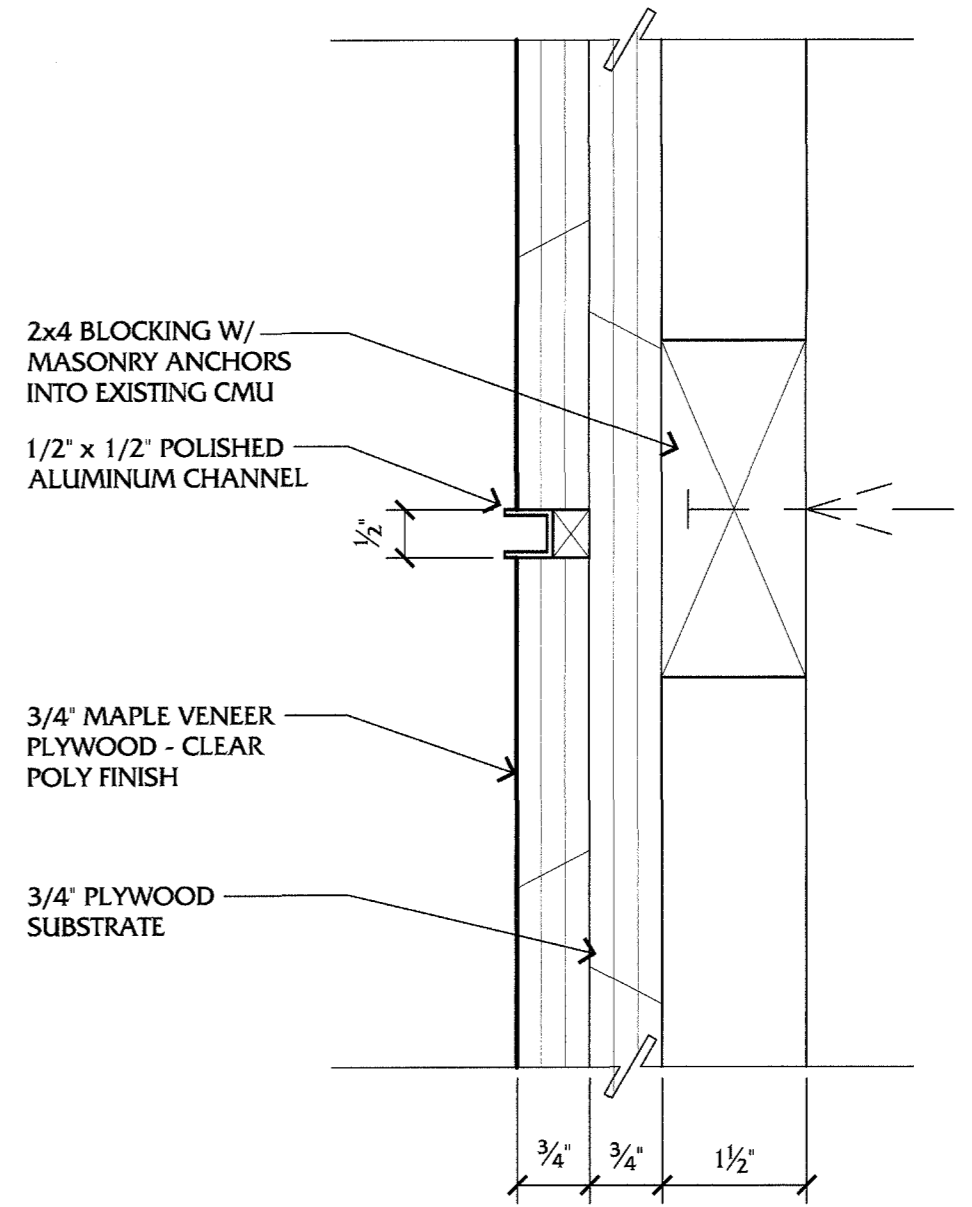
SECTION B - WOOD PANELING
 SCALE: 1 1/2" = 1'-0"



TRIM DETAIL C - WOOD PANELING
 SCALE: 6" = 1'-0"



TRIM DETAIL D - WOOD PANELING
 SCALE: 6" = 1'-0"



TRIM DETAIL E - WOOD PANELING
 SCALE: 6" = 1'-0"

ENLARGED LAB PLANS
RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY



UK
 CPMD PROJECT #: 2353.0
 CONSTRUCTION DOCUMENTS
 30 MAY 2013

A.7



REQUEST FOR QUOTE - RFQ-008
31 October 2013

Robotics Building Renovation, 5th Floor
University of Kentucky
CPMD Project #: 2353.0

TO: Josh Marrilla, Project Manager
Marrilla Design & Construction

FROM: Larry A. Bender

COPIES: Keith Ingram - UK CPMD

THE BIDDING AND GENERAL DOCUMENTS, TECHNICAL SPECIFICATIONS AND DRAWINGS ARE CHANGED IN ACCORDANCE WITH THE FOLLOWING. PLEASE SUBMIT A PRICE PROPOSAL BASED ON THE CHANGE ORDER INFORMATION AND ANY ACCOMPANYING DRAWINGS FOR APPROVAL AND INCLUSION INTO THE CONTRACT.

ARCHITECTURAL

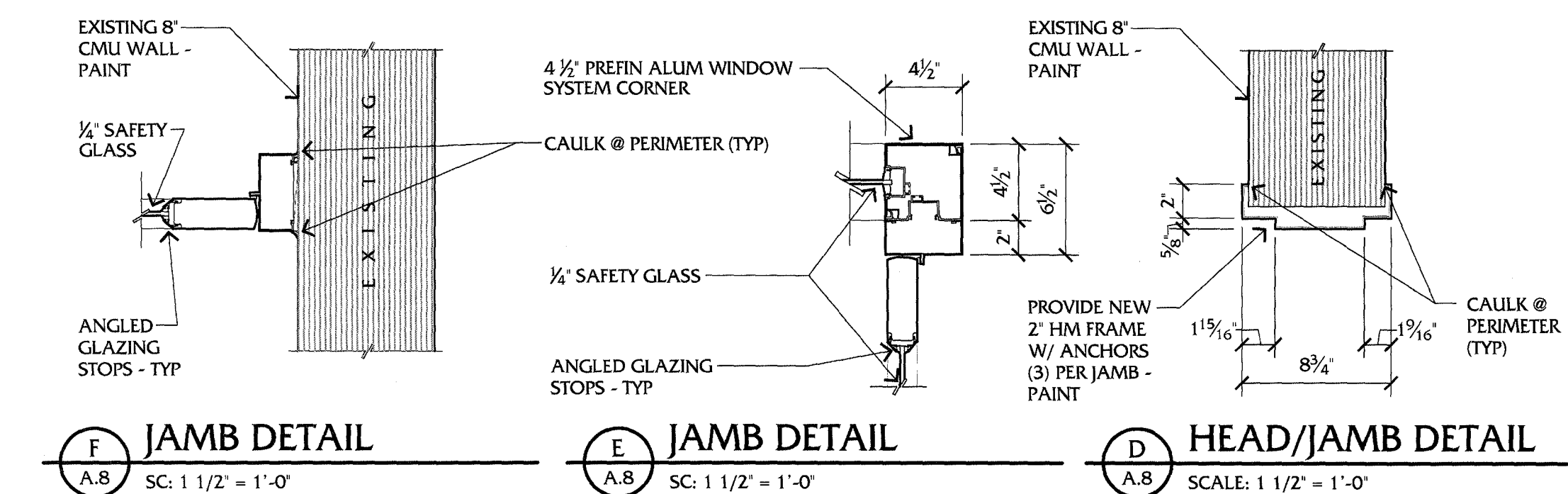
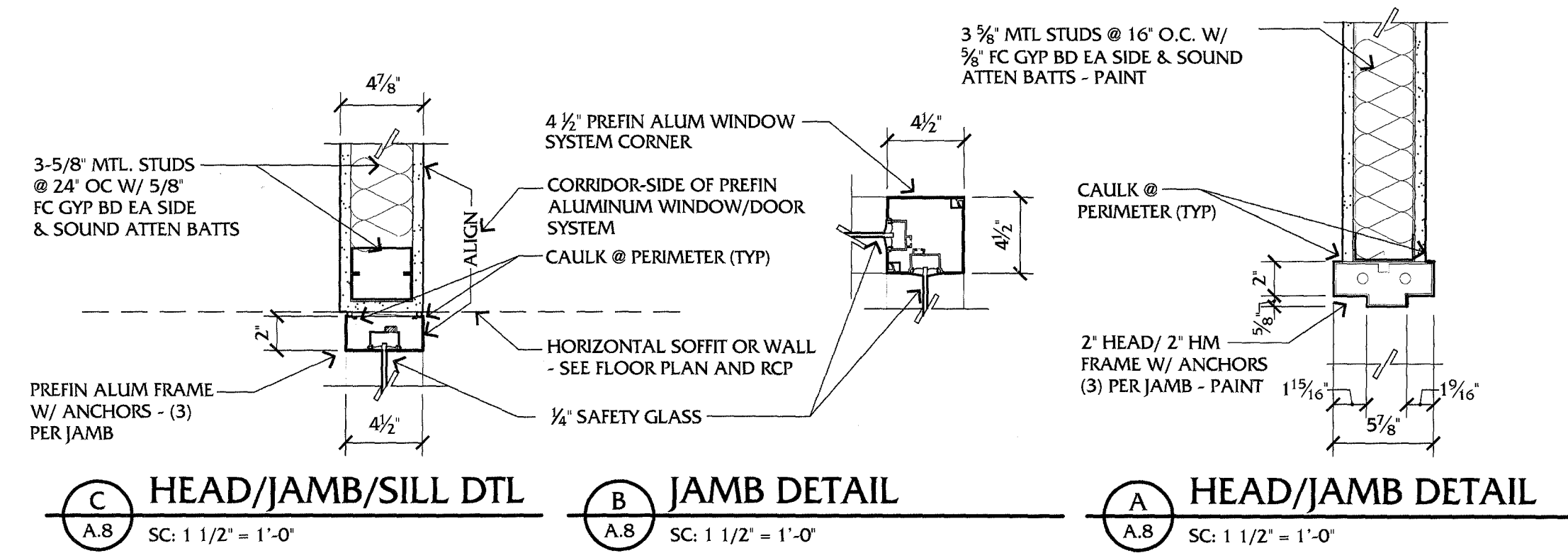
1. Please provide pricing for a furred wall that is located behind the new casework in Rooms R508A & R508B.
2. Extend new furring to 6" above the finished ceiling.
3. Consult the laboratory casework shop drawings for the length of cabinets.
4. Use as minimum a depth studs a possible to facilitate the new vent line.
5. Studs shall be 16" O.C. and fastened to the CMU at mid point.

ELECTRICAL

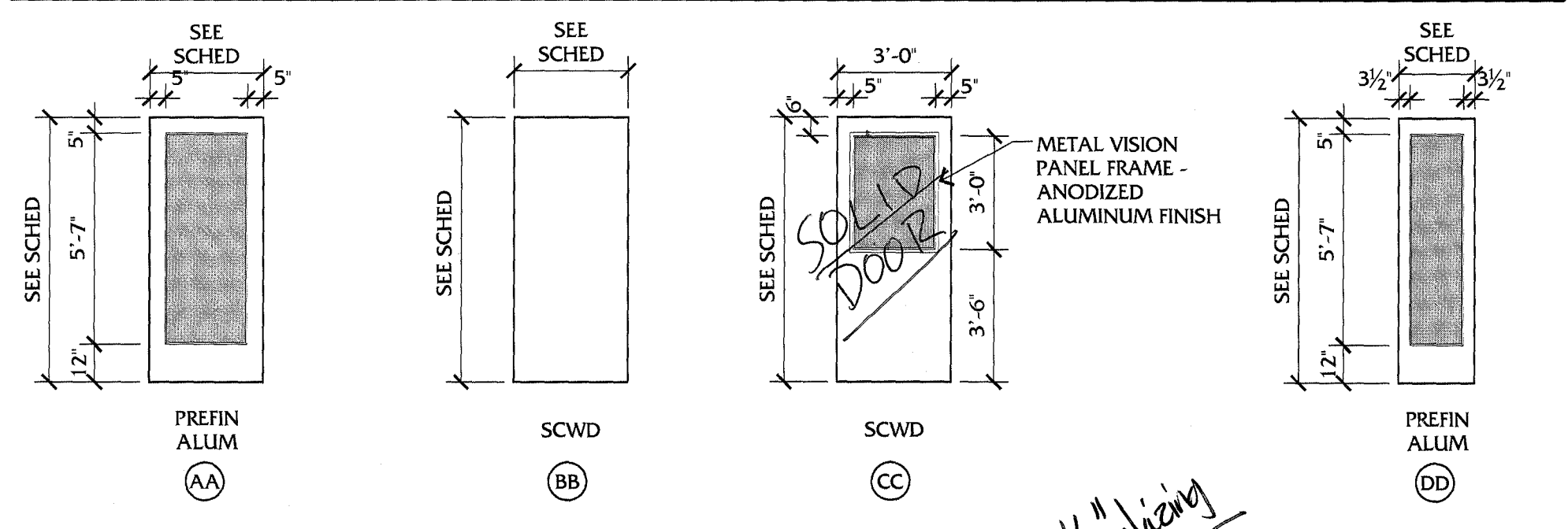
6. Extend existing data outlets in the CMU wall that are to be reused to the new wall.
7. Any new electrical work should be run in the new stud wall.
8. All outlets, both electrical and data, shall clear new casework backsplash (42" AFF).

END OF REQUEST FOR QUOTE

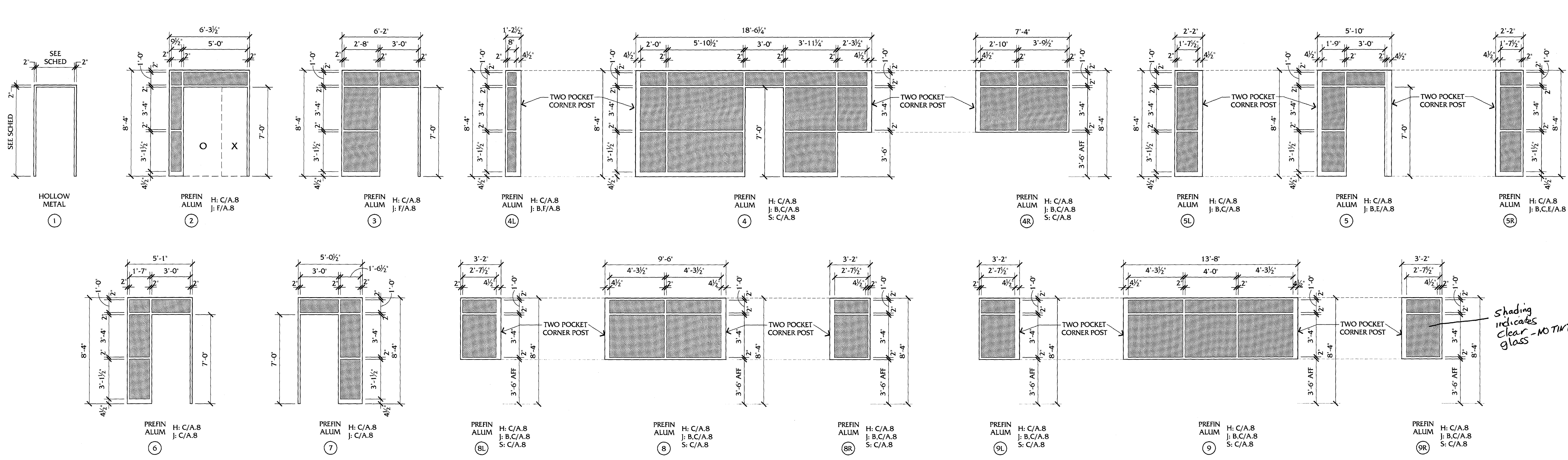
1008C Eastland Drive Lexington, Kentucky 40505 859.252.0112 859.252.0114 fax
1008C Eastland Drive Lexington, Kentucky



DOOR TYPES:



INTERIOR DOOR & WINDOW FRAME TYPES:



DOOR SCHEDULE

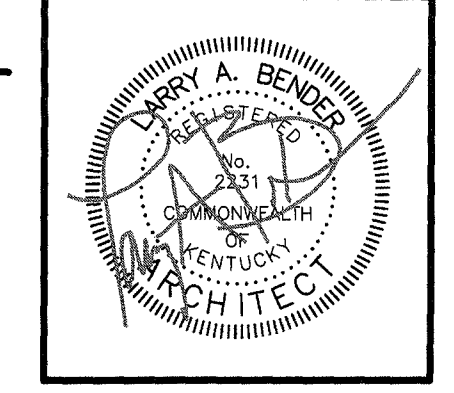
DOOR NUMBER	DOOR SIZE			LABEL	DOOR TYPE	DOOR			FRAME			DETAILS			HARDWARE SET	DOORWAY / HARDWARE FUNCTION	NOTES	
	WIDTH	HEIGHT	THICK			MATERIAL	FINISH	GLASS TYPE	MATERIAL	FINISH	GLASS TYPE	HEAD	JAMB	THRESHOLD/ TRANSITION JOINT DTL				
R500	3'-0"	7'-0"	1 3/4"	AA-0	2	ALUM	PREFIN	1	ALUM	PREFIN	1	C/A.8	F/A.8	-	1	ENTRY - CLASSROOM LOCKSET	2, 5	
R500A	3'-0"	7'-0"	1 3/4"	AA	3	ALUM	PREFIN	1	ALUM	PREFIN	1	C/A.8	F/A.8	-	2	ENTRY - CLASSROOM LOCKSET	5	
R500B*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	-	-	-	
R501*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	-	-	-	
R502*	(2)3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	-	-	-	
R504*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	-	-	-	
R506*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	-	-	-	
R507*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	-	-	-	
R508A*	3'-0"	7'-0"	1 3/4"	45min	CC	1	SCWD	PREFIN	2	HM*	PAINT	-	-	-	4	TRIALS ROOM - CLASSROOM LOCKSET	1, 6	
R508B	3'-0"	7'-0"	1 3/4"	45min	CC	1	SCWD	PREFIN	2	HM	PAINT	-	D/A.8	D/A.8	-	4	TRIALS ROOM - CLASSROOM LOCKSET	3
R509*	3'-0"	7'-0"	1 3/4"	45min	CC	1	SCWD	PREFIN	2	HM*	PAINT	-	-	-	4	LABORATORY - CLASSROOM LOCKSET	1, 6	
R510	3'-0"	6'-8 1/2"	1 3/4"	AA	6	ALUM	PREFIN	1	ALUM	PREFIN	1	C/A.8	C/A.8	C/A.9	2	STUDENT AREA - CLASSROOM LOCKSET	5	
R510A	3'-0"	7'-0"	1 3/4"	AA	7	ALUM	PREFIN	1	ALUM	PREFIN	1	C/A.8	C/A.8	C/A.9	2	STUDENT AREA - CLASSROOM LOCKSET	5	
R510B	3'-0"	7'-0"	1 3/4"	CC	1	SCWD	PREFIN	2	HM	PAINT	-	D/A.8	D/A.8	C/A.9	4	STUDENT AREA - CLASSROOM LOCKSET	3	
R511	3'-0"	7'-0"	1 3/4"	45min	CC	1	SCWD	PREFIN	2	HM*	PAINT	-	-	-	4	LABORATORY - CLASSROOM LOCKSET	1, 6	
R512	3'-0"	7'-0"	1 3/4"	AA	5	ALUM	PREFIN	1	ALUM	PREFIN	1	C/A.8	C/E/A.8	C/A.9	3	CONFERENCE ROOM - OFFICE LOCKSET	5	
R513	3'-0"	7'-0"	1 3/4"	45min	CC	1	SCWD	PREFIN	2	HM*	PAINT	-	-	-	4	LABORATORY - CLASSROOM LOCKSET	1, 6	
R514*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	6	ENTRY - CLASSROOM LOCKSET	4	
R514A*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	7	EXISTING OFFICE - OFFICE LOCKSET	4	
R514B*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	7	EXISTING OFFICE - OFFICE LOCKSET	4	
R514C*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	7	EXISTING OFFICE - OFFICE LOCKSET	4	
R514D*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	7	EXISTING OFFICE - OFFICE LOCKSET	4	
R514E*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	7	EXISTING OFFICE - OFFICE LOCKSET	4	
R514F*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	7	EXISTING OFFICE - OFFICE LOCKSET	4	
R514G*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	7	EXISTING OFFICE - OFFICE LOCKSET	4	
R514H*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	7	EXISTING OFFICE - OFFICE LOCKSET	4	
R515	3'-0"	7'-0"	1 3/4"	45min	CC	1	SCWD	PREFIN	2	HM*	PAINT	-	-	-	4	LABORATORY - CLASSROOM LOCKSET	1, 6	
R517	3'-0"	7'-0"	1 3/4"	45min	CC	1	SCWD	PREFIN	2	HM*	PAINT	-	-	-	4	LABORATORY - CLASSROOM LOCKSET	1, 6	
R519	3'-0"	7'-0"	1 3/4"	45min	CC	1	SCWD	PREFIN	2	HM*	PAINT	-	-	-	4	LABORATORY - CLASSROOM LOCKSET	1, 6	
R521	3'-0"	7'-0"	1 3/4"	45min	CC	1	SCWD	PREFIN	2	HM*	PAINT	-	-	-	4	LABORATORY - CLASSROOM LOCKSET	1, 6	
R522	3'-0"	7'-0"	1 3/4"	AA	4	ALUM	PREFIN	1	ALUM	PREFIN	1	C/A.8	C/A.8	C/A.9	3	CENTER OFFICE - OFFICE LOCKSET	5	
R522A	3'-0"	7'-0"	1 3/4"	BB	1	SCWD	PREFIN	-	HM	PAINT	-	A/A.8	A/A.8	C/A.9	5	OFFICE LOCKSET	-	
R522B	3'-0"	7'-0"	1 3/4"	BB	1	SCWD	PREFIN	-	HM	PAINT	-	A/A.8	A/A.8	-	5	OFFICE LOCKSET	-	
R523	3'-0"	7'-0"	1 3/4"	45min	CC	1	SCWD	PLAS LAM	2	HM*	PAINT	-	-	-	4	LABORATORY - CLASSROOM LOCKSET	1, 6	
R533*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	-	-	-	
R533A*	N.O. WORK																	
R535*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	-	-	-	
R537*	3'-0"	7'-0"	1 3/4"	BB	1	SCWD*	PREFIN*	-	HM*	PAINT	-	-	-	-	-	-	-	
R537A*	N.O. WORK																	

- SHEET NOTES:**
- ◇ DEMOLITION FLOOR PLAN NOTES, REFER TO SHT A.0
 - PARTITION TYPES LEGEND, REFER TO SHT A.1
 - FLOOR PLAN NOTES, REFER TO SHT A.1
 - △ REFLECTED CEILING PLAN NOTES, REFER TO SHT A.2
 - INTERIOR WINDOW & DOOR FRAME TYPES, REFER TO SHT A.8

- DOOR SCHEDULE LEGEND:**
- ALUM ALUMINUM
 - HM HOLLOW METAL
 - PREFIN PREFINISHED
 - PAINT ACRYLIC ENAMEL - SEMI-GLOSS
 - SCWD SOLID CORE WOOD
 - EX EXISTING (TO REMAIN)
 - * INDICATES EXISTING DOOR, MATERIAL OR FINISH

- GLAZING TYPES:**
- 1 1/4" SAFETY GLASS
 - 2 1/4" WIRE SAFETY GLASS - ORIENT WIRE VERT

- DOOR SCHEDULE NOTES:**
- GENERAL NOTES:**
- PROVIDE SEALANT AT FRAME PERIMETER - EACH SIDE
 - REMOVE EXISTING DOOR & HARDWARE AT INDICATED OPENING - PROVIDE NEW SCWD DOOR IN EXISTING FRAME - PAINT FRAME, ALL SIDES
 - PROVIDE NEW MASONRY OPENING FOR INDICATED DOOR & FRAME
 - PREP EXISTING DOOR FOR NEW HARDWARE
 - PROVIDE ANGLED GLAZING STOPS AT ALL DOORS W/ 1/2" GLAZING
 - FIELD VERIFY EXISTING DEMO'D DOOR = REMAINING FRAME SIZE & MATCH



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DOOR SCHEDULE & DETAILS

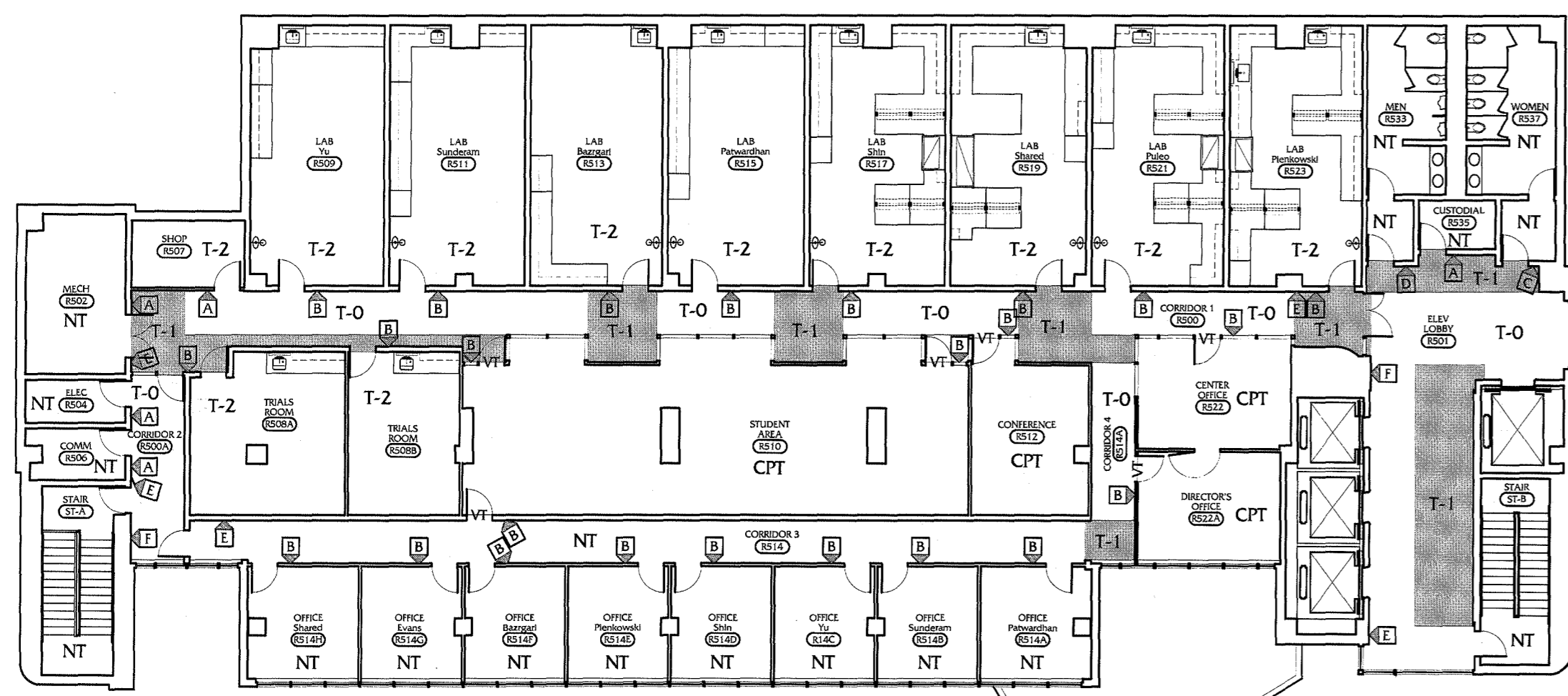
RENOVATE ROBOTICS BUILDING

UNIVERSITY OF KENTUCKY



UK
CPMD PROJECT #: 2353.0
CONSTRUCTION DOCUMENTS
30 MAY 2013

A.8



A FLOOR PATTERN & SIGNAGE PLAN
SCALE: 1/16" = 1'-0"

GENERAL PANEL SIGN NOTES:

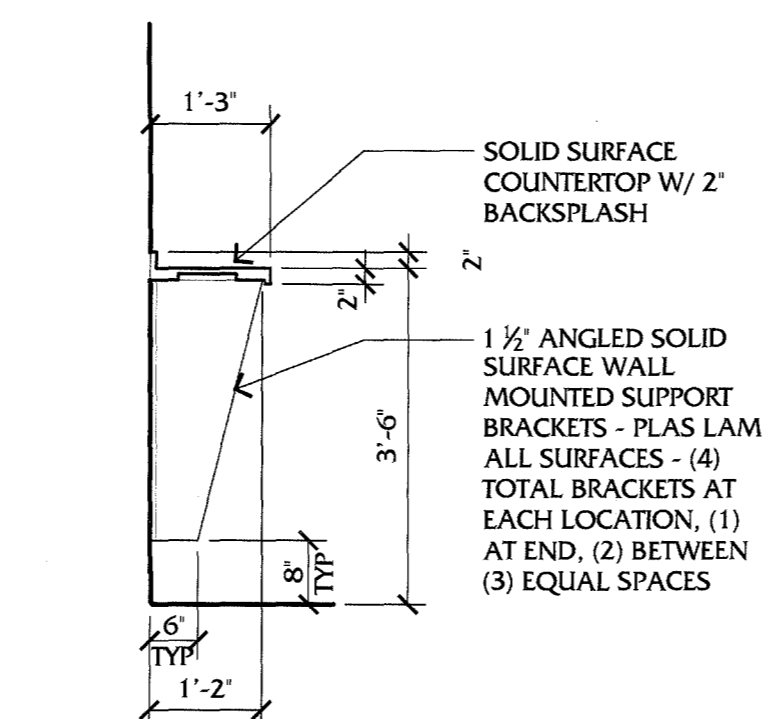
- THESE NOTES APPLY TO ALL PANEL SIGNS HEREIN
- ALL PANEL SIGNS TO MEET ADA & ICC/ANSI A117.1-2003 GUIDELINES
- ALL PANEL SIGNS TO HAVE BRAILLE IMPRINT - BRAILLE SHALL BE BELOW THE CORRESPONDING TEXT - BRAILLE SHALL BE SEPARATED 3/8" MINIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8" MINIMUM FROM RAISED BORDERS & DECORATIVE ELEMENTS
- "PICTO" MEANS SIGN TO HAVE A PICTOGRAM AS WELL AS TEXT - MALE OR FEMALE W/ ADA WHEELCHAIR SYMBOL
- ALL PANEL SIGNS TO BE MOUNTED TO WALL ADJACENT TO THE STRIKE SIDE OF THE DOOR FRAME UNLESS NOTED OTHERWISE
- WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL
- SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEG OPEN POSITION - SEE DETAIL C/3.1
- STANDARD PANEL SIGN & PICTO SIGNS MOUNTING HEIGHT: BOTTOM OF ALL SIGNS SHALL BE 48" MINIMUM ABOVE THE FLOOR
- TACTILE CHARACTER SIGNS MOUNTING HEIGHT (TYPE D): BOTTOM OF ALL SIGNS SHALL BE 48" MINIMUM ABOVE THE FLOOR BUT NOT EXCEED 60" MAXIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE HIGHEST TACTILE CHARACTER

PANEL SIGN TYPES LEGEND:

- GENERAL NOTES:**
- SYMBOL SHOWS LOCATION OF SIGN IN RELATION TO DOOR OPENING
 - FOR TACTILE SIGN MOUNTING LOCATIONS - SEE DETAIL B/A.9
 - PROVIDE MATCHING SIZE BACK IF SIGN IS MOUNTED ON GLASS
- A** STANDARD ROOM NAME & NUMBER PANEL SIGN W/ BRAILLE - SEE PLAN FOR LOCATIONS
- B** 2-LINE INSERT W/ ROOM NUMBER PANEL SIGN W/ BRAILLE - SEE PLAN FOR LOCATIONS
- C** STANDARD TOILET PANEL SIGN W/ FEMALE & ADA WHEELCHAIR PICTOGRAPH & BRAILLE - SEE PLAN FOR LOCATIONS
- D** STANDARD TOILET PANEL SIGN W/ MALE & ADA WHEELCHAIR PICTOGRAPH & BRAILLE - SEE PLAN FOR LOCATIONS
- E** TACTILE VERTICAL CHARACTER TYPE "EXIT" PANEL SIGN W/ BRAILLE - SEE PLAN FOR LOCATIONS
- F** 12" X 12" INSERT PANEL SIGN - NO BRAILLE - SEE PLAN FOR LOCATIONS

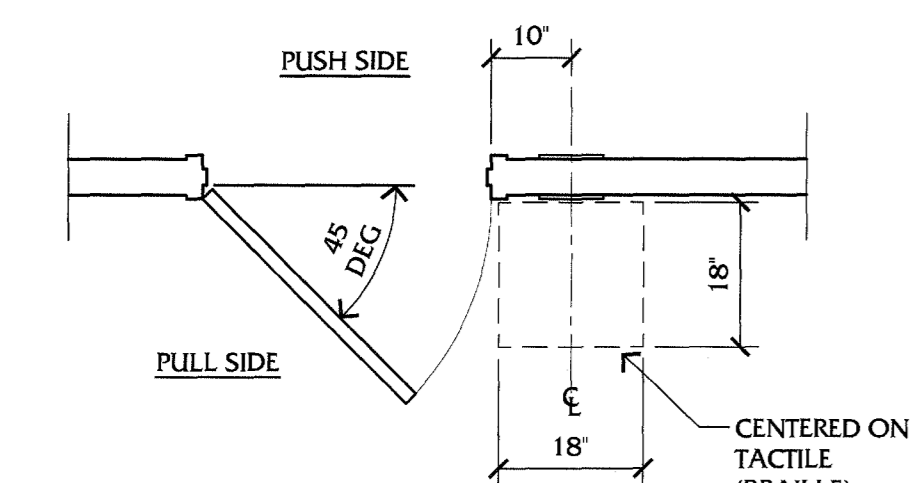


PLAN NORTH

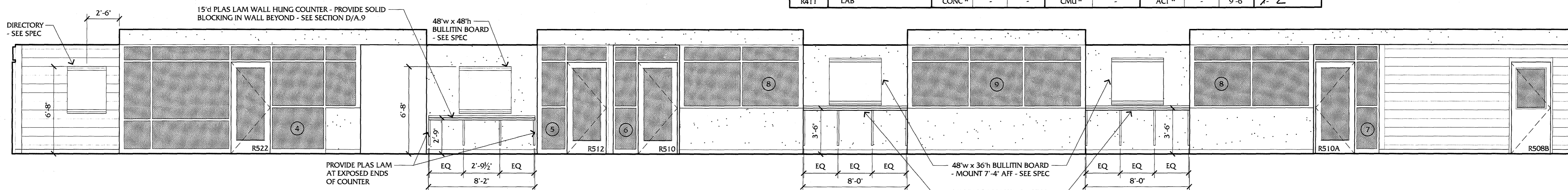


C COUNTER SECTION
SCALE: 1/2" = 1'-0"

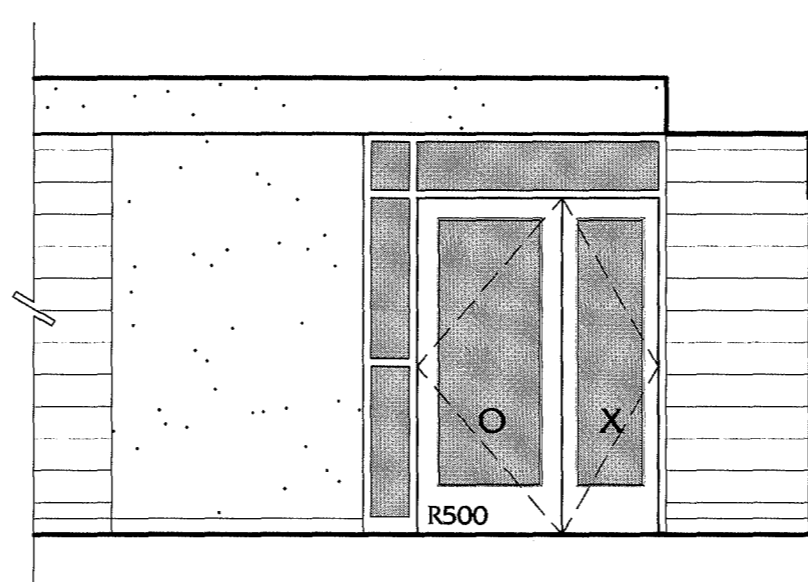
D COUNTER SECTION
SCALE: 1/2" = 1'-0"



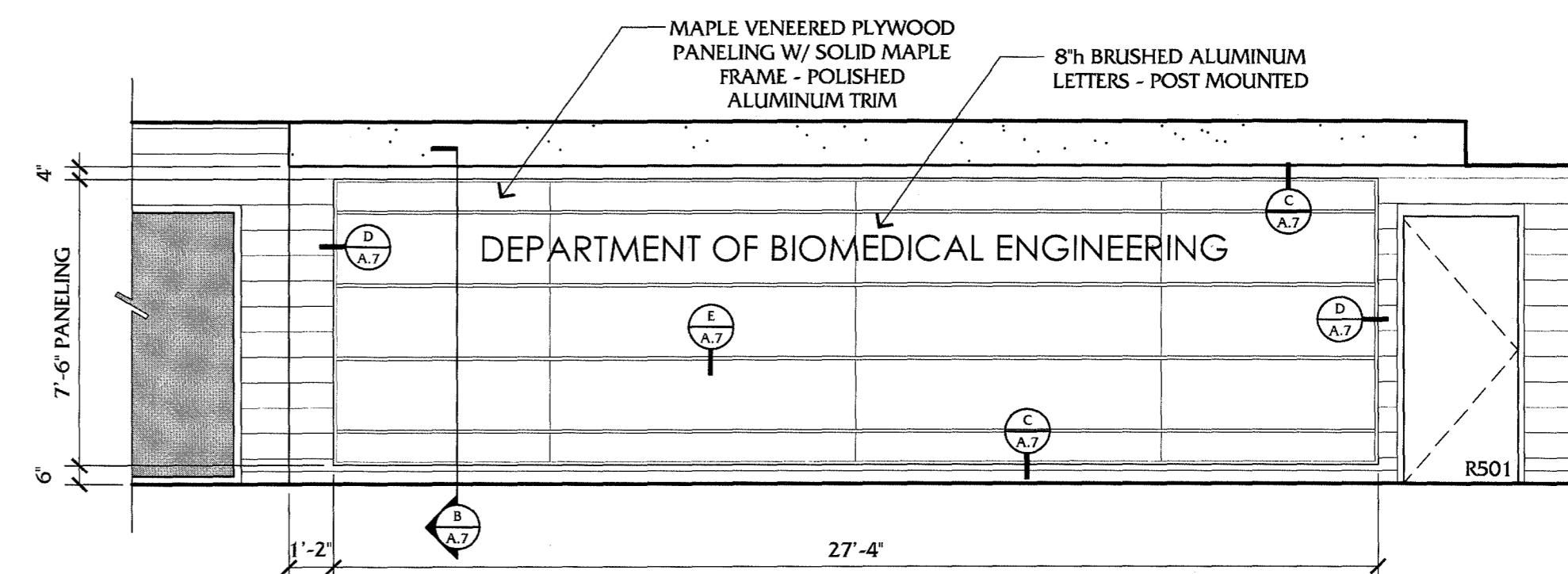
B LOCATION OF TACTILE SIGNS AT DOORS
SCALE: 1/2" = 1'-0"



F INTERIOR ELEVATION - CORRIDOR R500
SCALE: 1/4" = 1'-0"



H INTERIOR ELEVATION - ELEVATOR LOBBY R501
SCALE: 1/4" = 1'-0"



G INTERIOR ELEVATION - ELEVATOR LOBBY R501
SCALE: 1/4" = 1'-0"

R516

ROOM NUMBER	ROOM NAME	FLOORS			WALLS		CEILINGS			NOTES:
		MATERIAL	FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	
FIFTH FLOOR										
R500	CORRIDOR 1	CONC*	VCT	RB	CMU*/GB	PAINT	ACT/GB	PAINT	8'-4"/9'-6"	1-
R500A	CORRIDOR 2	CONC*	VCT	RB	CMU*/GB	PAINT	ACT/GB	PAINT	8'-4"/9'-6"	1-
R501	ELEVATOR LOBBY	CONC*	VCT	RB	CMU	PAINT	ACT/GB	-/PNT	8'-4"/9'-6"	1, 3-
R502	MECHANICAL ROOM	NO FINISHES SCHEDULED FOR THIS AREA								
R504	ELECTRICAL ROOM	NO FINISHES SCHEDULED FOR THIS AREA								
R506	COMMUNICATIONS RM.	NO FINISHES SCHEDULED FOR THIS AREA								
R507	SHOP	CONC*	VCT	RB	GB	PAINT	ACT	-	9'-0"	
R508A	TRIALS ROOM	CONC*	VCT	RB	CMU	PAINT	ACT	-	9'-6"	
R508B	TRIALS ROOM	CONC*	VCT	RB	CMU*/GB	PAINT	ACT	-	9'-6"	
R509	LAB - Yu	CONC*	VCT	RB	CMU	PAINT	ACT	-	9'-6"	
R510	STUDENT AREA	CONC*	CPT	RB	CMU*/GB	PAINT	ACT/GB	-/PNT	8'-4"/9'-0"	
R511	LAB - Sunderam	CONC*	VCT	RB	CMU*/GB	PAINT	ACT	-	9'-6"	
R512	CONFERENCE	CONC*	CPT	RB	GB	PAINT	ACT/GB	-/PNT	8'-4"/9'-6"	
R513	LAB - Bazzari	CONC*	VCT	RB	CMU*/GB	PAINT	ACT	-	9'-6"	
R514	CORRIDOR 3	NO FINISHES SCHEDULED FOR THIS AREA								
R514A	CORRIDOR 4 (NEW)	CONC*	VCT	RB	GB	PAINT	ACT/GB	-/PNT	8'-4"/9'-6"	1-
R514A	OFFICE - Patwardhan	NO FINISHES SCHEDULED FOR THIS AREA								
R514B	OFFICE - Sunderam	NO FINISHES SCHEDULED FOR THIS AREA								
R514C	OFFICE - Yu	NO FINISHES SCHEDULED FOR THIS AREA								
R514D	OFFICE - Shin	NO FINISHES SCHEDULED FOR THIS AREA								
R514E	OFFICE - Pienkowski	NO FINISHES SCHEDULED FOR THIS AREA								
R514F	OFFICE - Bazzari	NO FINISHES SCHEDULED FOR THIS AREA								
R514G	OFFICE - Evans	NO FINISHES SCHEDULED FOR THIS AREA								
R514H	OFFICE - Shared	NO FINISHES SCHEDULED FOR THIS AREA								
R515	LAB - Patwardhan	CONC*	VCT	RB	CMU*/GB	PAINT	ACT	-	9'-6"	
R517	LAB - Shin	CONC*	VCT	RB	CMU*/GB	PAINT	ACT	-	9'-6"	
R519	LAB - Shared	CONC*	VCT	RB	CMU*/GB	PAINT	ACT	-	9'-6"	
R521	LAB - Puleo	CONC*	VCT	RB	CMU*/GB	PAINT	ACT	-	9'-6"	
R522A	CENTER OFFICE	CONC*	CPT	RB	GB	PAINT	ACT	-	9'-0"	
R522B	DIRECTOR'S OFFICE	CONC*	CPT	RB	GB	PAINT	ACT	-	9'-0"	
R523	LAB - Pienkowski	CONC*	VCT	RB	CMU*/GB	PAINT	ACT	-	9'-6"	
R533	MEN'S RESTROOM	NO FINISHES SCHEDULED FOR THIS AREA								
R535	CUSTODIAL	NO FINISHES SCHEDULED FOR THIS AREA								
R537	WOMEN'S RESTROOM	NO FINISHES SCHEDULED FOR THIS AREA								
ST-A	STAIR A	NO FINISHES SCHEDULED FOR THIS AREA								
ST-B	STAIR B	NO FINISHES SCHEDULED FOR THIS AREA								
FOURTH FLOOR (ABOVE CEILING WORK ONLY)										
R402	MECHANICAL ROOM	NO FINISHES SCHEDULED FOR THIS AREA								
R407	STORAGE	CONC*	-	-	CMU*	-	ACT*	-	9'-0"	X 2
R409	OFFICE	CONC*	-	-	CMU*	-	ACT*	-	9'-0"	X 2
R411	LAB	CONC*	-	-	CMU*	-	ACT*	-	9'-6"	X 2

SHEET NOTES:

- ◇ DEMOLITION FLOOR PLAN NOTES, REFER TO SHT A.0
- PARTITION TYPES LEGEND, REFER TO SHT A.1
- FLOOR PLAN NOTES, REFER TO SHT A.1
- △ REFLECTED CEILING PLAN NOTES, REFER TO SHT A.2
- INTERIOR WINDOW & DOOR FRAME TYPES, REFER TO SHT A.8

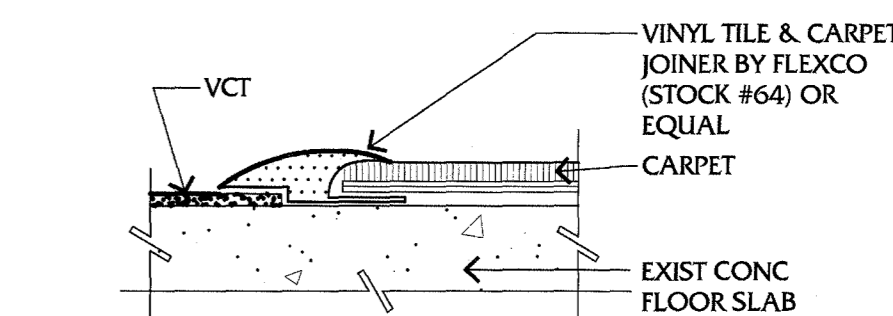
REFER TO SHT A.9 FOR ROOM FINISH SCHEDULE

ROOM FINISH SCHEDULE NOTES:

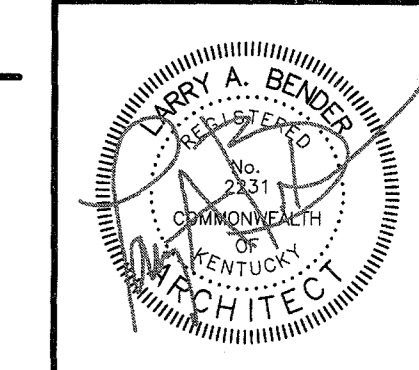
- GENERAL NOTES:**
- ALL CMU & CONCRETE ARE EXISTING MATERIALS IN PLACE
 - PREPARE ALL EXISTING MATERIALS IN AREAS OF NEW WORK TO RECEIVE SCHEDULED FINISHES
 - ALL GYPSUM BOARD WALL, CEILING AND SOFFIT MATERIALS ARE NEW
 - PROVIDE VINYL TRANSITION AT ALL VCT TO CARPET JUNCTURES - SEE DETAIL A/A.9
 - 1- PROVIDE VCT FLOOR FINISH IN PATTERN SHOWN ON PLAN A/A.1 - SEE SHEET A.1 FOR VCT FLOOR PATTERN LEGEND
 - 2- REMOVE AND SALVAGE EXISTING CEILING PANELS AND GRID NECESSARY FOR INSTALLATION OF FUME EXHAUST DUCTS - SEE SHEET H.1 FOR SCOPE OF WORK - REINSTALL SALVAGED PANELS AND GRID WHEN HVAC WORK IS COMPLETED
 - 3- SEE INTERIOR ELEVATION G/A.9 FOR SURFACE MOUNTED WOOD PANELING
 - 4- Corridor 1, R500 - remove 2 existing bulletin boards with glass doors on the North side

FINISH SCHEDULES LEGEND:

- CONC CONCRETE
- CPT CARPET TILES (COMMERCIAL GRADE)
- VCT VINYL COMPOSITION TILE
- RB RUBBER BASE (COVE - SEE DTL C/A5.2)
- GB GYPSUM BOARD
- ACT ACOUSTIC CEILING TILE
- PNT PAINT
- * INDICATES EXISTING MATERIAL OR FINISH



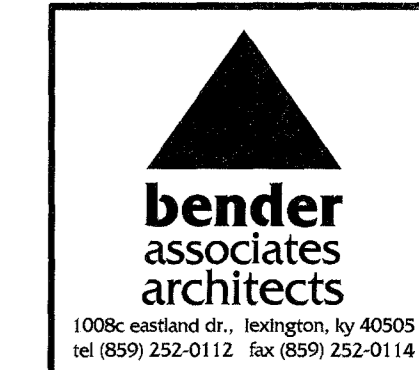
E VINYL TRANSITION JOINT DETAIL (VT1)
FULL SCALE



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ROOM FINISH SCHEDULE, FLOOR PATTERN-SIGNAGE PLAN & INTERIOR ELEVATIONS

RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY



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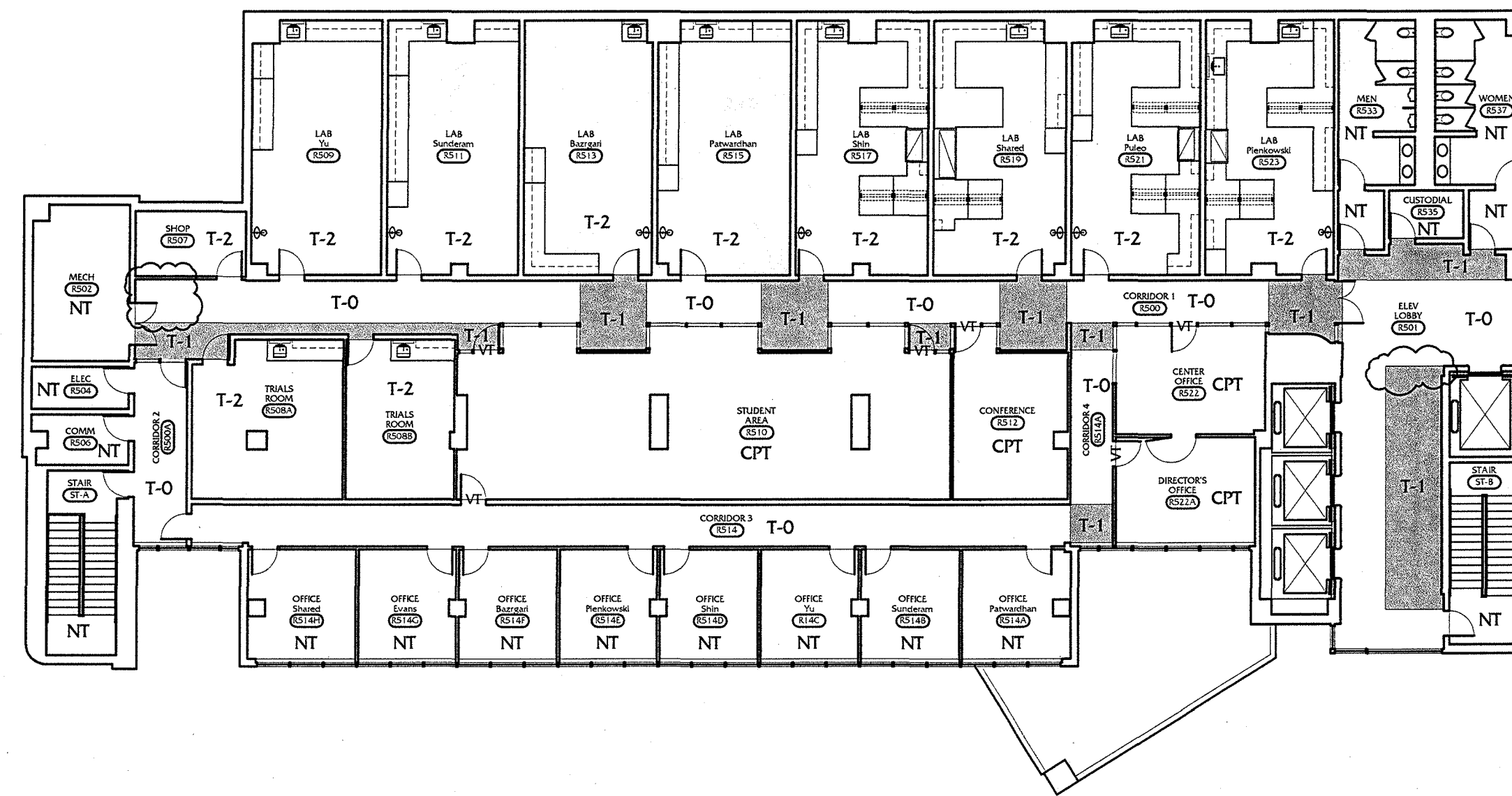
RENOVATE ROBOTICS BUILDING
 INTERIOR FINISHES SCHEDULE
 03 December 2013
 Bender Associates, Architects

Corridors 1, 2, 3, 4 & Elev. Lobby (Rooms R500, R500A, R501, R514 & R514A):	
1. VCT - Primary T-0:	Armstrong - Imperial Texture, Standard Excelon, 51904 "Sterling"
2. VCT - Accent T-1:	Armstrong - Imperial Texture, Standard Excelon, 51915 "Charcoal"
3. Rubber Cove Base 4":	Armstrong - 60 "Jet Black"
4. Paint - Primary P-0:	Glidden - "Tulle White" #A1996 - Satin, Level 3 - walls, soffits & bulkheads
5. Paint - Accent P-1:	Glidden - "Cairo Gold" #A0719 - Satin, Level 3 - accent walls, soffits & bulkheads - See Accent Color Plan*
Student Area & Conference (Rooms R5101 & R512):	
1. Carpet Tiles:	Shaw - 37557 "Smoke", wander
2. Vinyl Transition (Flexco #64):	Black
3. Rubber Cove Base 4":	Armstrong - 60 "Jet Black"
4. Paint - Primary P-0:	Glidden - "Tulle White" #A1996 - Satin, Level 3 - walls, soffits & bulkheads
5. Paint - Accent P-2:	Glidden - "Clay Pot" #A0467 - Satin, Level 3 - indicated columns & soffit
6. Paint - Accent P-3:	Glidden - "Old Monterey" #A1831 - Satin, Level 3 - indicated wall - See Accent Color Plan*
7. Paint - HM Frame:	Glidden - "Deep Onyx" #A2015 - Semi-Gloss, Level 5
8. Acoustic Ceiling Tile:	Armstrong - Ultima, Tegular, Fine Textured, 9/16" grid
Center Office (Room R522A):	
1. Carpet Tiles:	Shaw - 37557 "Smoke", wander
2. Vinyl Transition (Flexco #64):	Black
3. Rubber Cove Base 4":	Armstrong - 60 "Jet Black"
4. Paint - Primary P-0:	Glidden - "Tulle White" #A1996 - Satin, Level 3 - walls
5. Paint - Accent P-3:	Glidden - "Old Monterey" #A1831 - Satin, Level 3 - indicated wall - See Accent Color Plan*
6. Paint - HM Frame:	Glidden - "Deep Onyx" #A2015 - Semi-Gloss, Level 5
7. Acoustic Ceiling Tile:	Armstrong - Ultima, Tegular, Fine Textured, 9/16" grid

RENOVATE ROBOTICS BUILDING
 INTERIOR FINISHES SCHEDULE
 03 December 2013
 Bender Associates, Architects

Director Office (Room R522B):	
1. Carpet Tiles:	Shaw - 37557 "Smoke", wander
2. Vinyl Transition (Flexco #64):	Black
3. Rubber Cove Base 4":	Armstrong - 60 "Jet Black"
4. Paint - Primary P-0:	Glidden - "Tulle White" #A1996 - Satin, Level 3 - walls
5. Paint - HM Frame:	Glidden - "Deep Onyx" #A2015 - Semi-Gloss, Level 5
6. Acoustic Ceiling Tile:	Armstrong - Ultima, Tegular, Fine Textured, 9/16" grid
Labs, Trials Rooms & Shop (Rooms R508A, R508B, R507, R509, R511, R513, R515, R517, R519, R521 & R523):	
1. VCT - Border T-3:	Armstrong - Imperial Texture, Standard Excelon, 518614 "Soft Warm Gray"
2. Rubber Cove Base 4":	Armstrong - 60 "Jet Black"
3. Paint - Primary P-0:	Glidden - "Tulle White" #A1996 - Satin, Level 3 - walls
4. Paint - HM Frame:	Glidden - "Deep Onyx" #A2015 - Semi-Gloss, Level 5
5. Acoustic Ceiling Tile:	USG - Clean Room, ClimaPlus, 15/16" grid
Misc. Items Color Selections:	
A. SCWD - Interior Wood Doors:	Maple - Clear finish
B. Storefront System:	"Gray"
C. Marker boards (writing surface):	White - High Gloss
D. Marker boards (map rail cork strip at top):	2204, Gray - Vinyl Impregnated Cork
E. Bulletin Board (cork):	2204, Gray - Vinyl Impregnated Cork
F. Directory (back panel fabric over cork):	7028 "Black", Stratford
G. Panel Signs (letters):	White, SC-901
H. Panel Signs (background):	Gray, MX10
I. Exit Panel Sign (letters):	White, SC-901
J. Exit Panel Sign (background):	Flame Red, SC-201
K. Lab Casework (cabinets & fume hoods):	G1 Gray Dove GSD1
L. Epoxy Countertops:	Black
M. Vinyl Transition (Flexco #64):	Black

* See attached Accent Color Plan



VCT FLOOR PATTERN LEGEND:

T-0	FIELD TILE COLOR
T-1	ACCENT COLOR #1
T-2	ROOM COLOR
VT	VINYL TRANSITION TO CARPET - LOCATE UNDER THE CLOSED DOOR - SEE DETAIL C/A.9
NT	NO NEW TILE - EXISTING VCT IN PLACE
CPT	NEW CARPET TILE FLOORING

REVISED FLOOR PATTERN PLAN
 SCALE: 1/16" = 1'-0"
 PLAN NORTH

REVISED FLOOR PATTERN PLAN

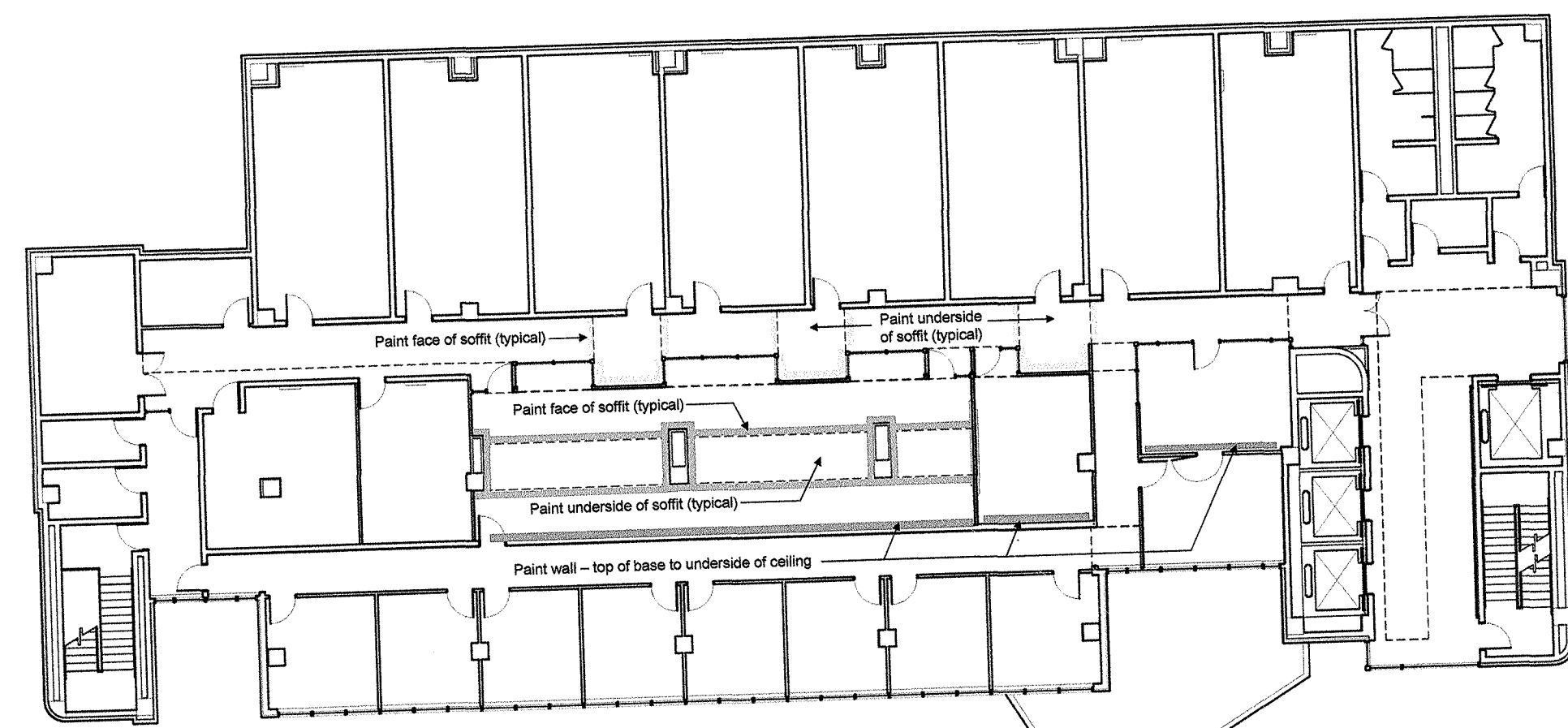
RENOVATE ROBOTICS BUILDING
 UNIVERSITY OF KENTUCKY

UK
 CIVIL PROJECT # 2353.0

bender associates architects
 100 UNIVERSITY AVENUE, SUITE 1000
 LEWISBURG, KY 40361-2501

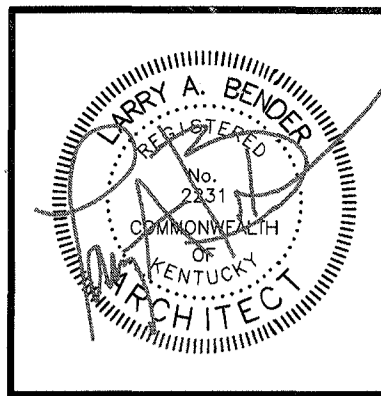
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REVISION DRAWING NO. RA.9b

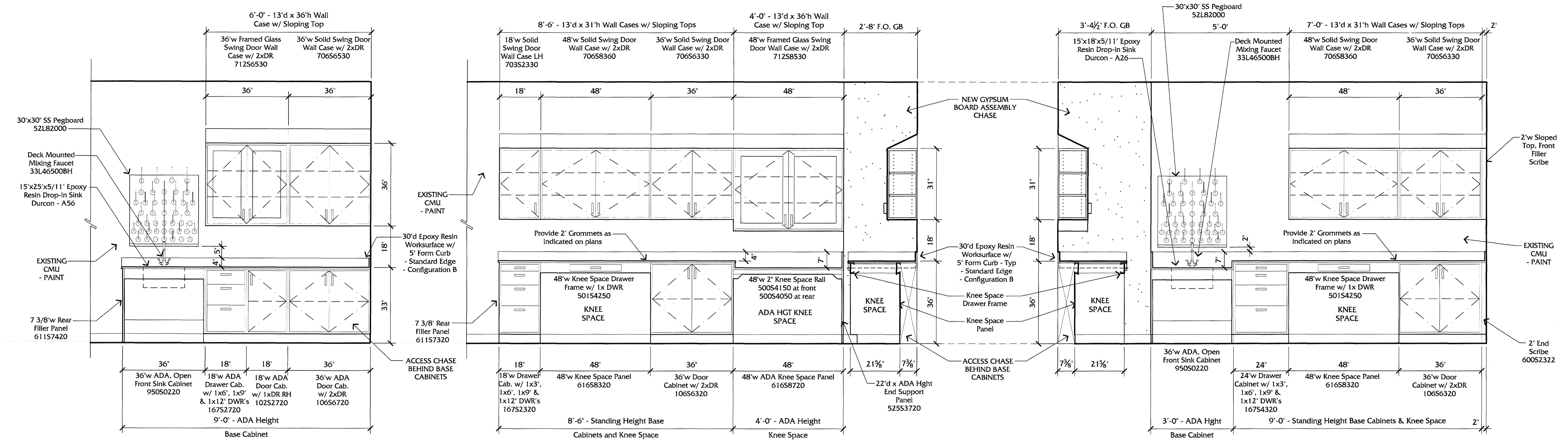


Accent Color Plan (no scale)
 5th Floor Robotics Building Renovation





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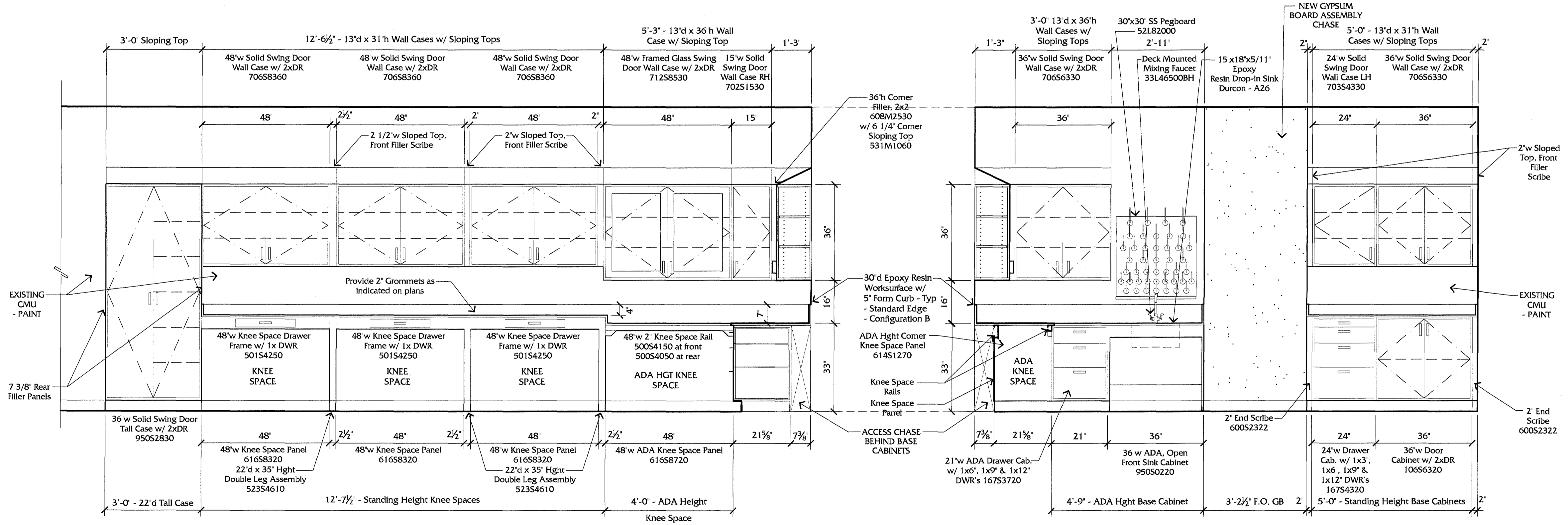
A TRIALS ROOM R508A
 SCALE: 1/2" = 1'-0"

B LABORATORY R509 - Yu
 SCALE: 1/2" = 1'-0"

C LABORATORY R509 - Yu
 SCALE: 1/2" = 1'-0"

GENERAL CASEWORK NOTES:

- ALL STANDING HEIGHT BASE CABINETS, KNEE SPACES, END LEG ASSEMBLIES & END SUPPORT PANELS SHALL BE 36" H TO THE T.O. EPOXY WORK SURFACE
- ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" H TO THE T.O. EPOXY WORK SURFACE
- CAULK ALL BACK SPLASHES AT ADJACENT WALL
- SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
 116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
 123493 INSET STEEL LABORATORY CASEWORK
- SEE MEP DRAWINGS & SPECIFICATIONS



D LABORATORY R511 - Sunderam
 SCALE: 1/2" = 1'-0"

E LABORATORY R511 - Sunderam
 SCALE: 1/2" = 1'-0"

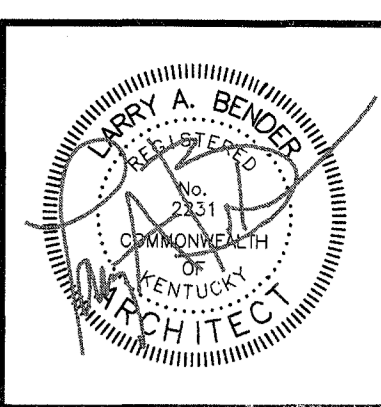
LABORATORY CASEWORK ELEVATIONS
RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY



1008 eastland dr., lexington, ky 40505
 tel (859) 252-0112 fax (859) 252-0114

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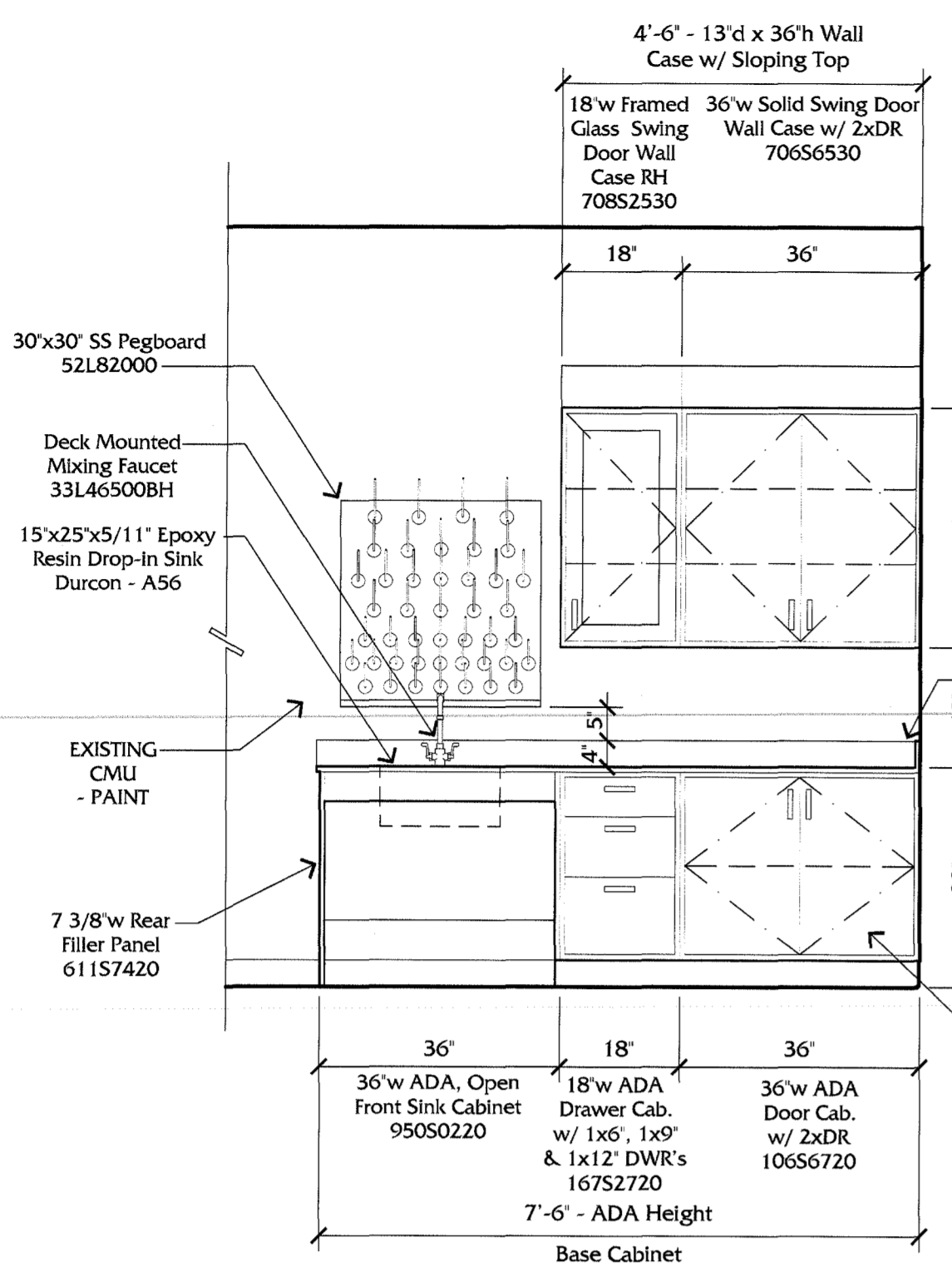
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LABORATORY CASEWORK ELEVATIONS
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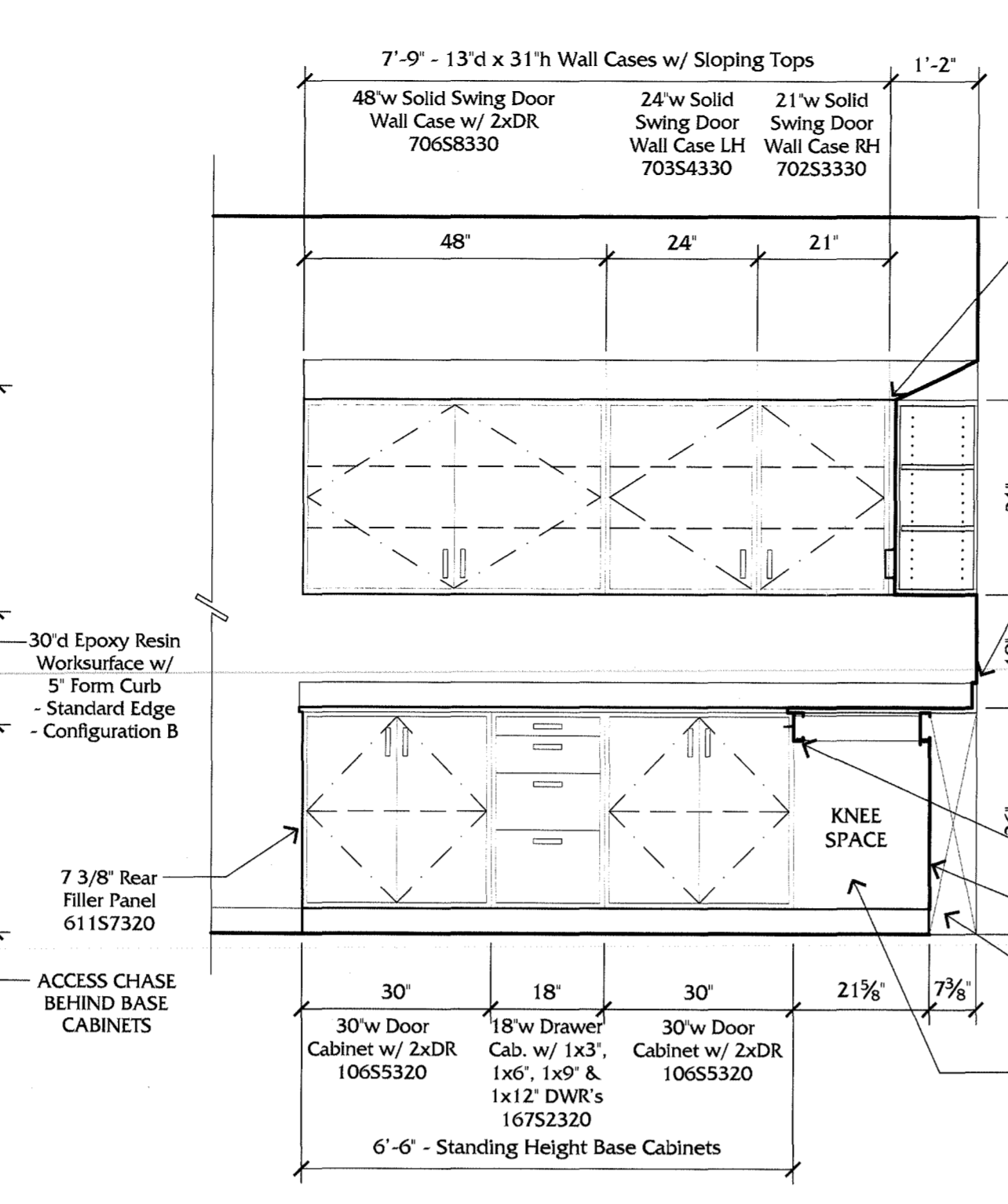


1008c eastland dr., Lexington, KY 40505
 tel (859) 252-0112 fax (859) 252-0114
UK
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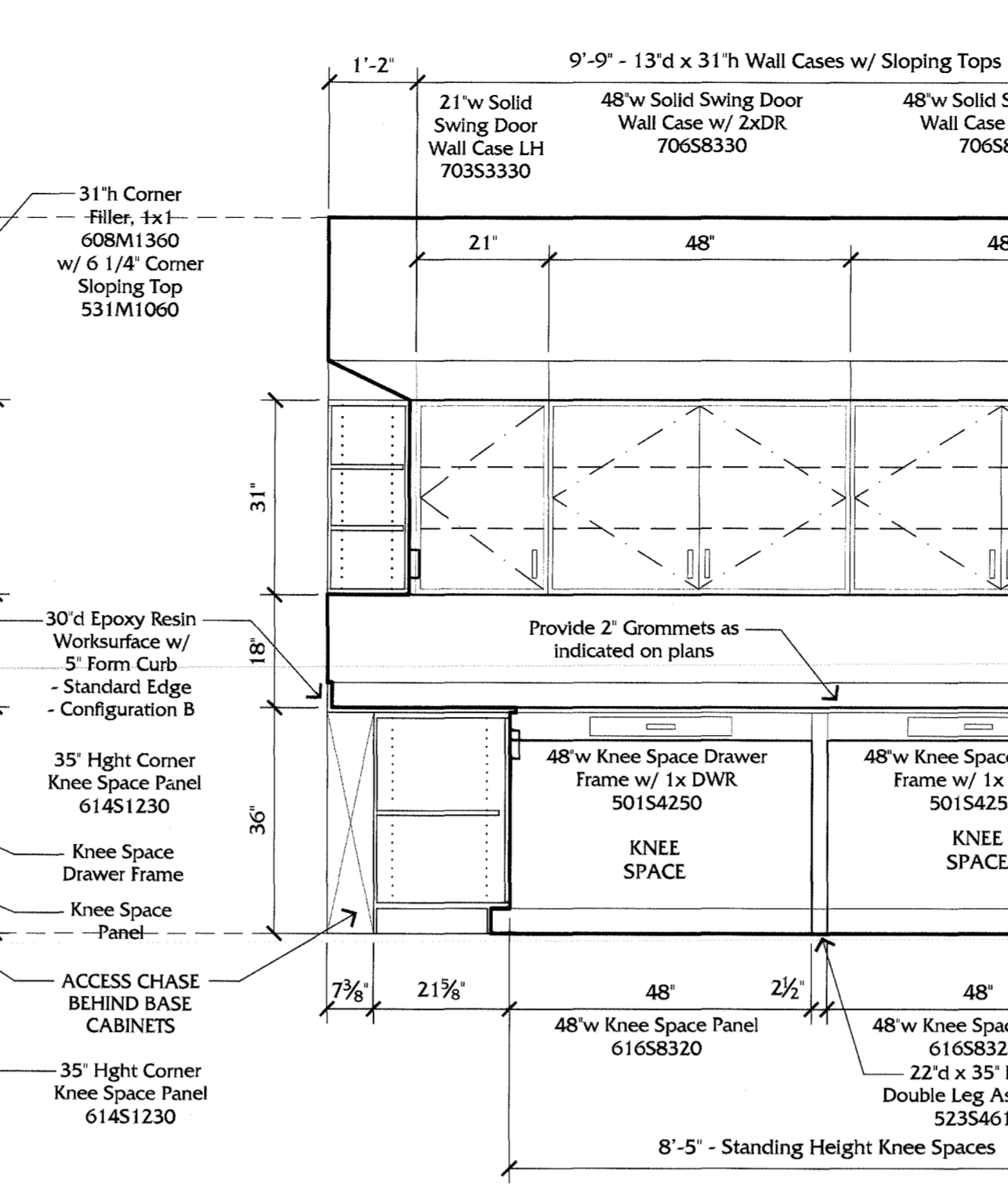
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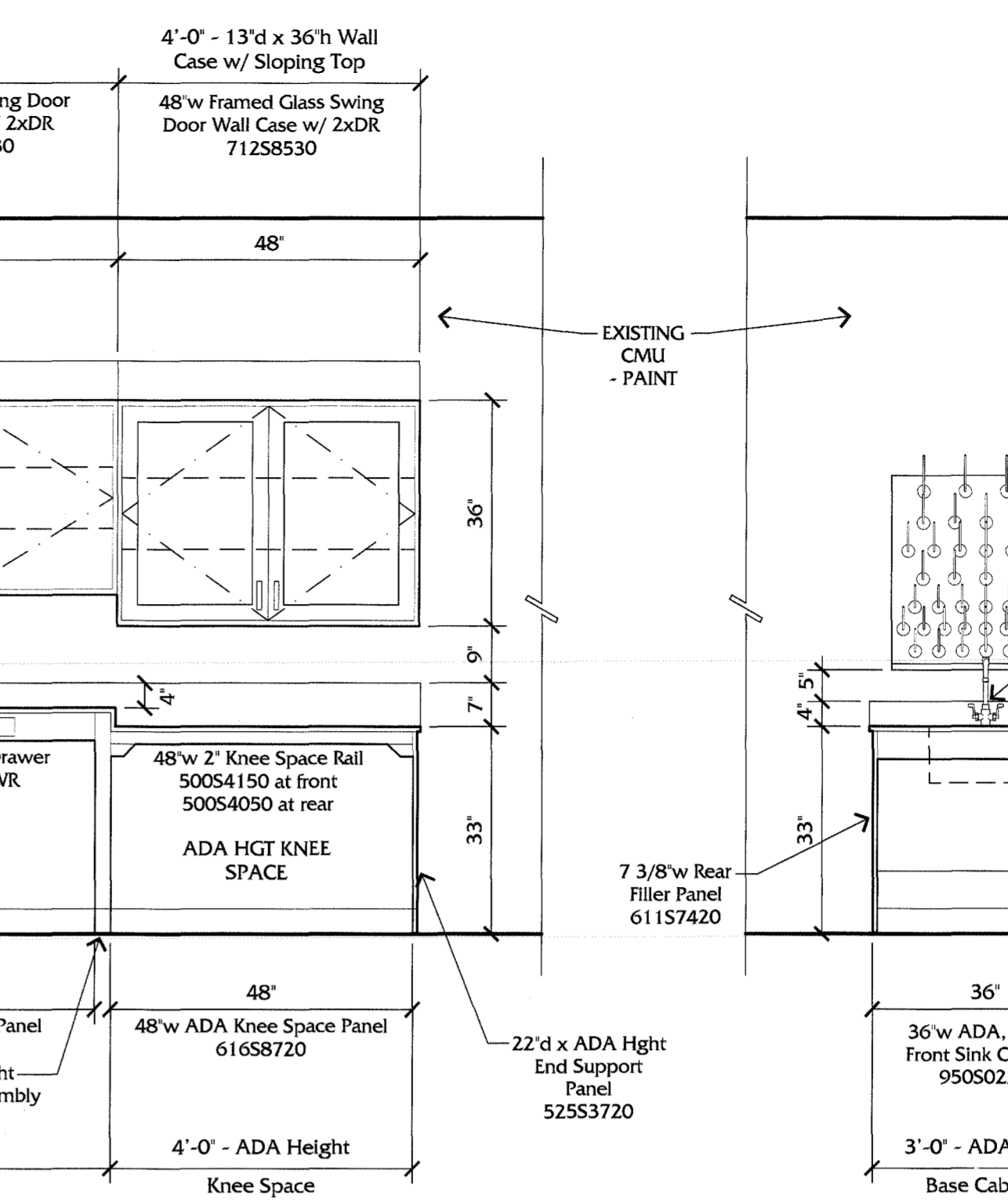
A TRIALS ROOM R508B
 SCALE: 1/2" = 1'-0"



B LABORATORY R513 - Bazrgari
 SCALE: 1/2" = 1'-0"



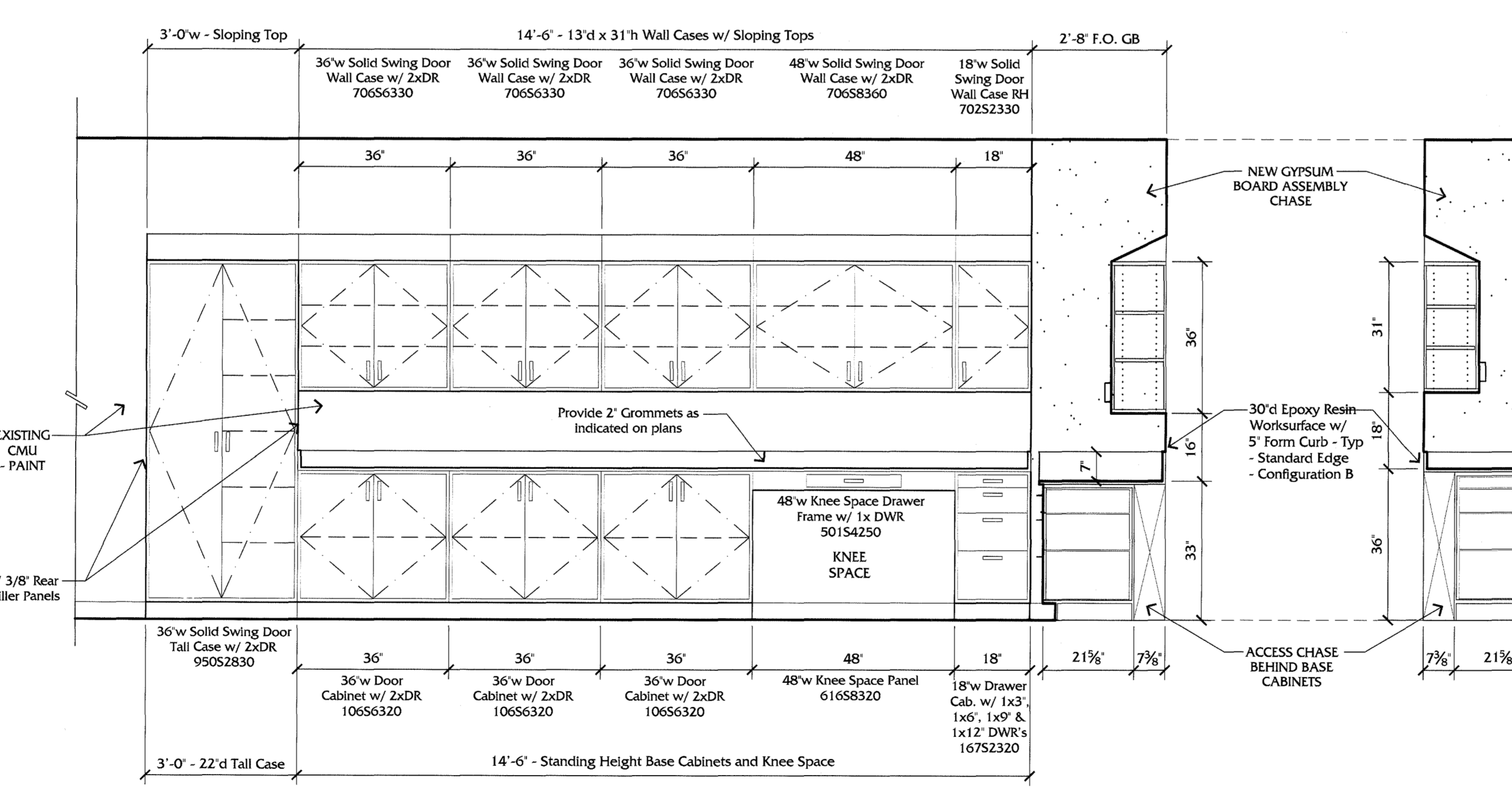
C LABORATORY R513 - Bazrgari
 SCALE: 1/2" = 1'-0"



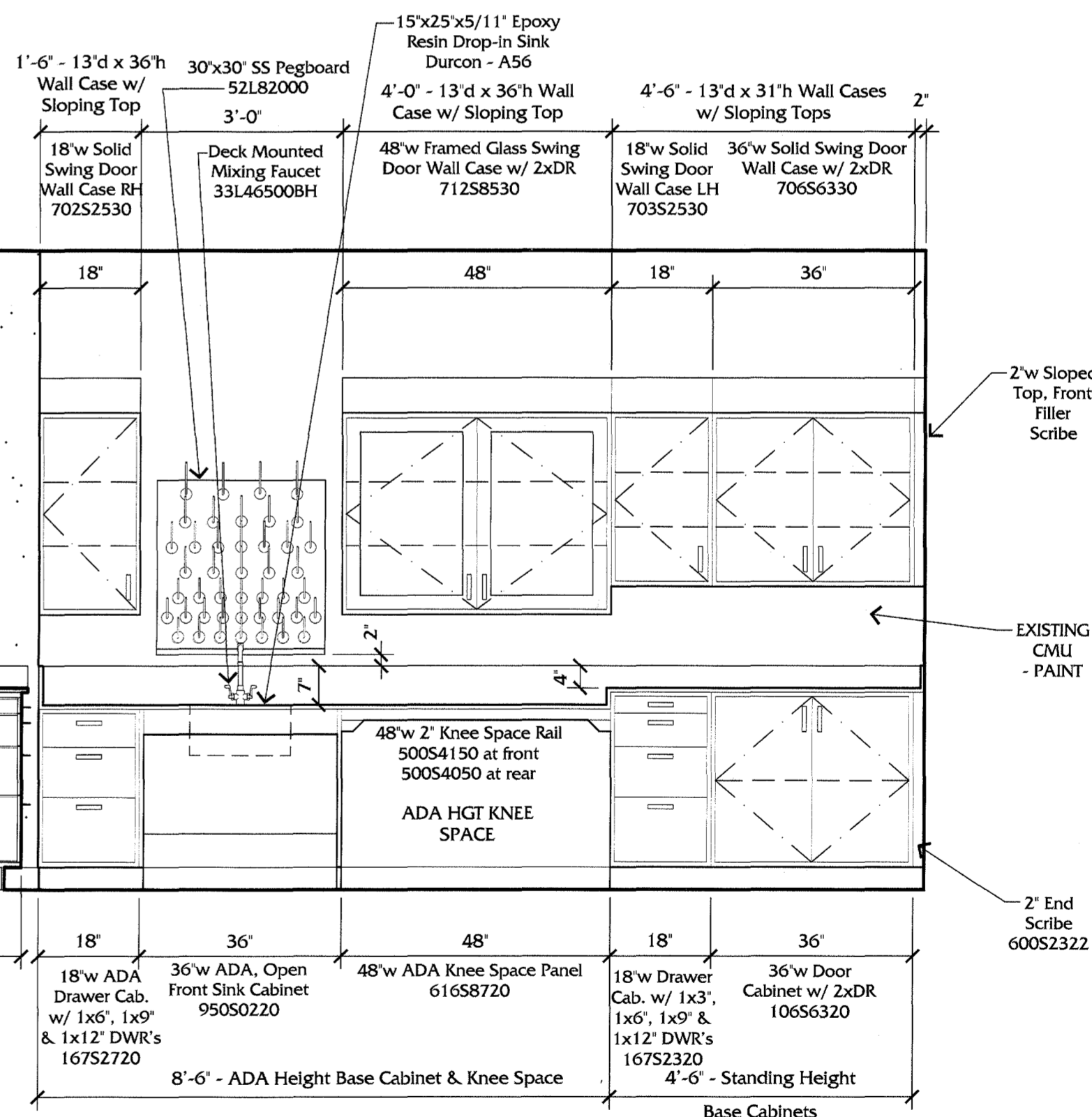
D LABORATORY R513 - Bazrgari
 SCALE: 1/2" = 1'-0"

GENERAL CASEWORK NOTES:

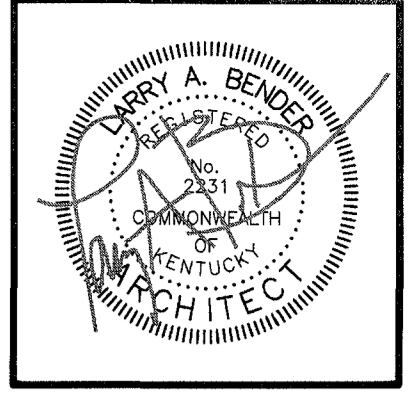
- ALL STANDING HEIGHT BASE CABINETS, KNEE SPACES, END LEG ASSEMBLIES & END SUPPORT PANELS SHALL BE 36" AFF TO THE T.O. EPOXY WORK SURFACE
- ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" TO THE T.O. EPOXY WORK SURFACE
- CAULK ALL BACK SPLASHES AT ADJACENT WALL
- SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
 116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
 123493 INSET STEEL LABORATORY CASEWORK
- SEE MEP DRAWINGS & SPECIFICATIONS



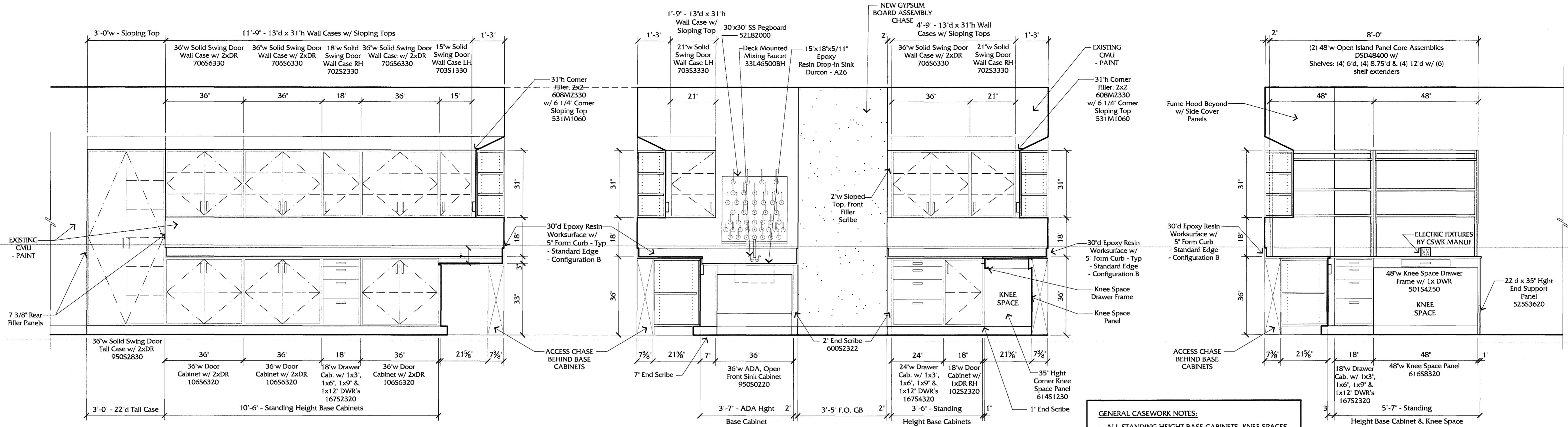
E LABORATORY R515 - Patwardhan
 SCALE: 1/2" = 1'-0"



F LABORATORY R515 - Partwardhan
 SCALE: 1/2" = 1'-0"



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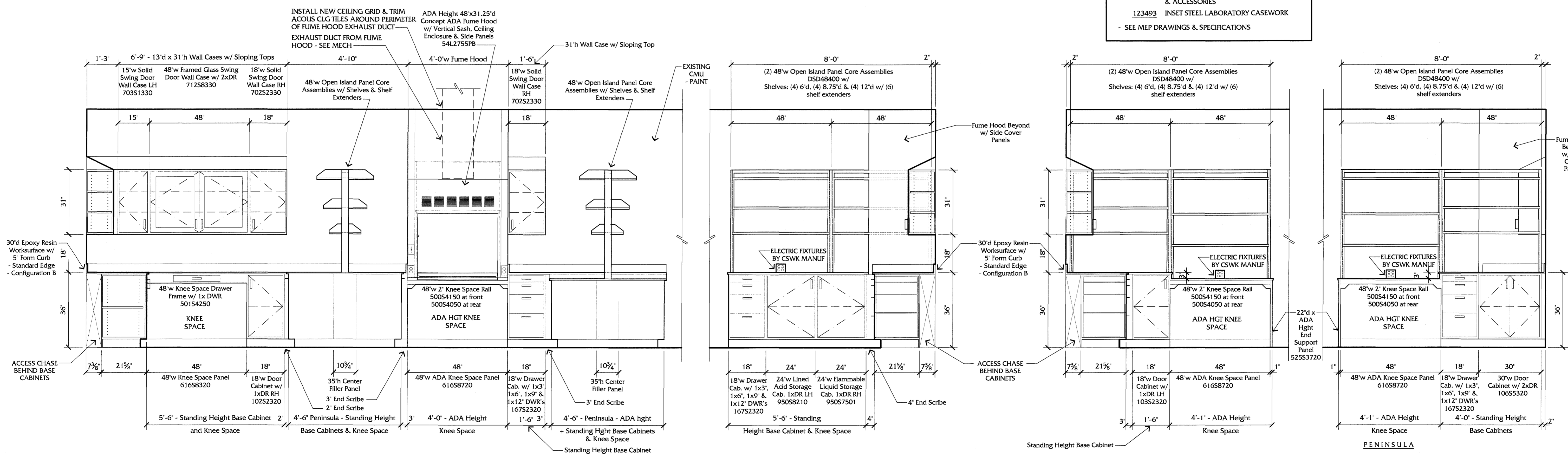


A LABORATORY R517 - Shin
 SCALE: 1/2" = 1'-0"

B LABORATORY R517 - Shin
 SCALE: 1/2" = 1'-0"

C LABORATORY PENINSULA
 SCALE: 1/2" = 1'-0"

- GENERAL CASEWORK NOTES:**
- ALL STANDING HEIGHT BASE CABINETS, KNEE SPACES, END LEG ASSEMBLIES & END SUPPORT PANELS SHALL BE 36" AFF TO THE T.O. EPOXY WORK SURFACE
 - ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" TO THE T.O. EPOXY WORK SURFACE
 - CAULK ALL BACK SPLASHES AT ADJACENT WALL
 - SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
 116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
 123493 INSET STEEL LABORATORY CASEWORK
 - SEE MEP DRAWINGS & SPECIFICATIONS



D LABORATORY R517 - Shin
 SCALE: 1/2" = 1'-0"

E LABORATORY PENINSULA
 SCALE: 1/2" = 1'-0"

F LABORATORY PENINSULA
 SCALE: 1/2" = 1'-0"

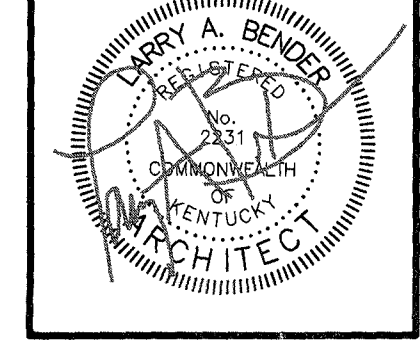
G LABORATORY R517 - Shin
 SCALE: 1/2" = 1'-0"

LABORATORY CASEWORK ELEVATIONS
RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY

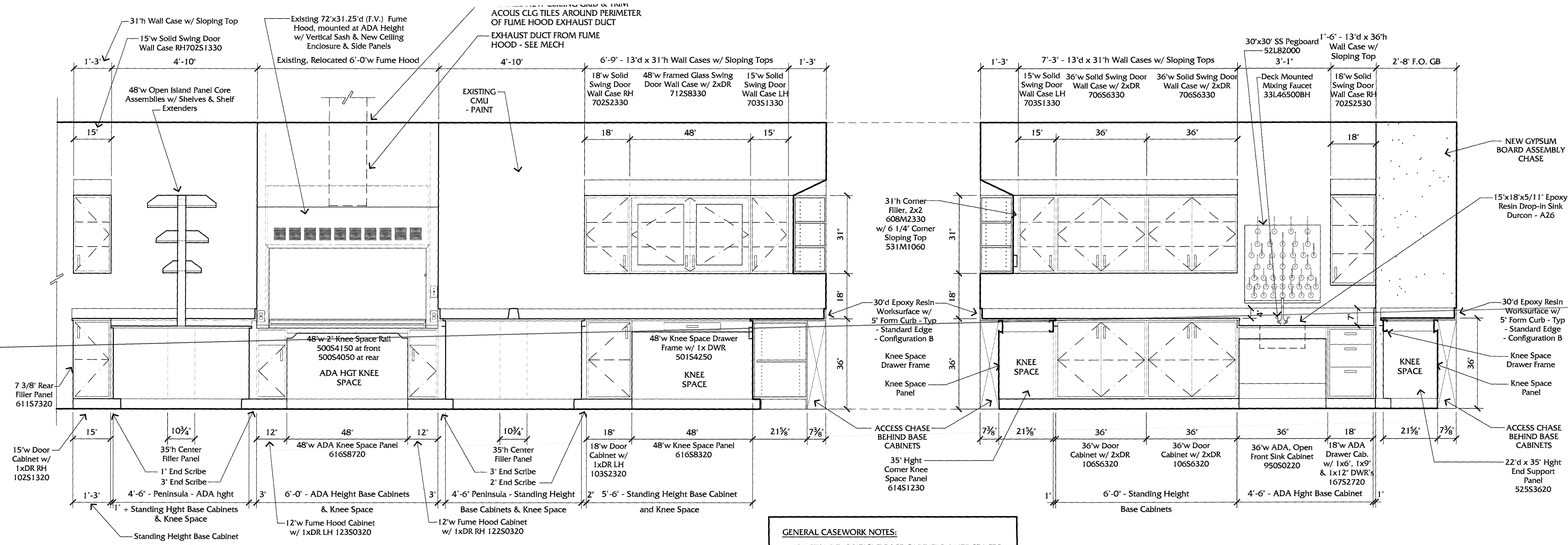


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 CONSTRUCTION DOCUMENTS
 30 MAY 2013

A.12



WARNING OF PARTIAL SET REVIEW
 General contractors and Subcontractors bidding on work elements shown on this sheet are hereby required to review the full set of construction drawings, the Specifications Manual and addenda (if issued) prior to submission of a bid. Submission of bid shall serve as certification by all contractors of their comprehensive review of the complete Construction Documents Set listed above. Failure to review the Contract Documents, regardless of reason, shall not be reason for adjustment of the contract amount.



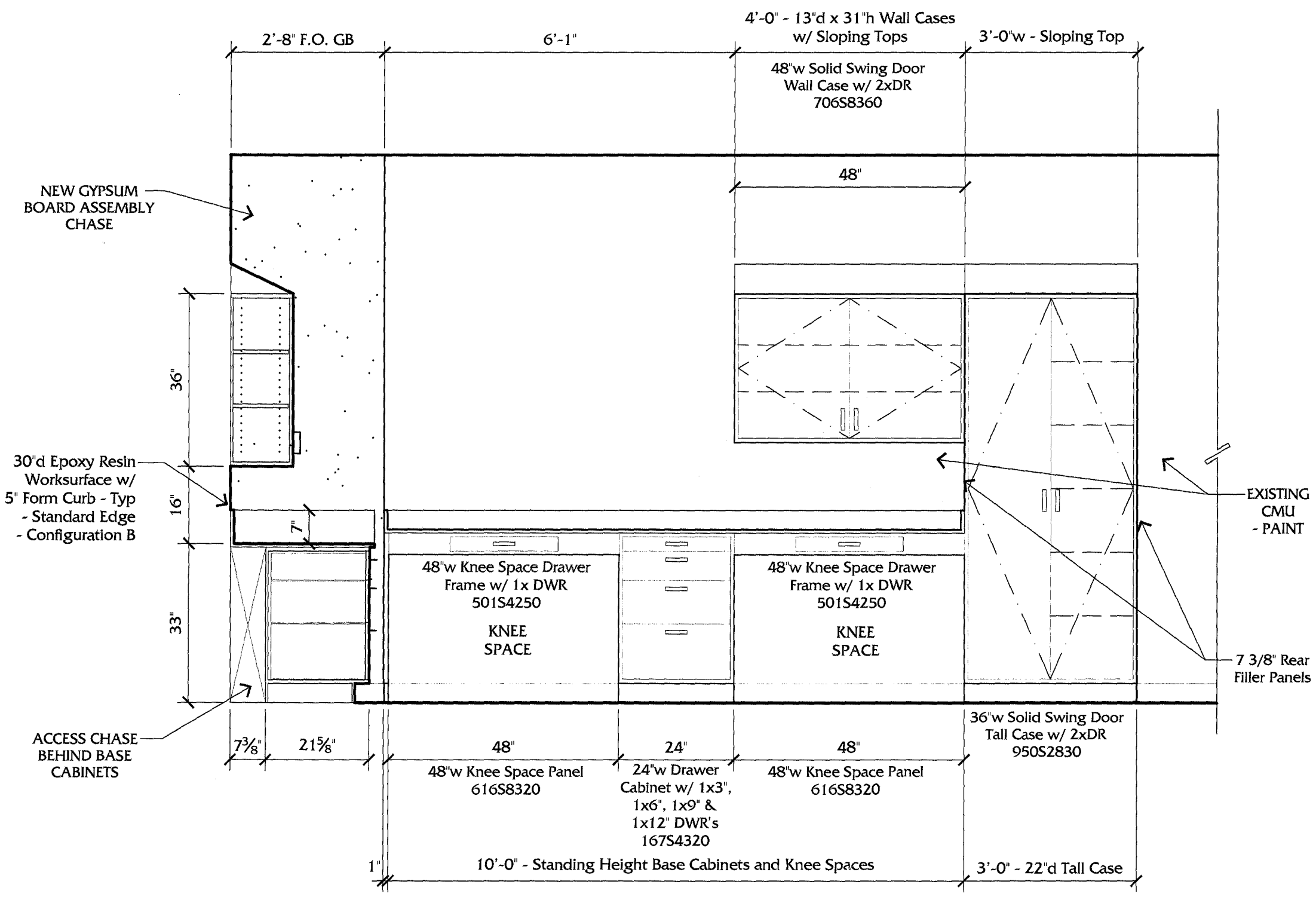
A LABORATORY R519 - Shared
 SCALE: 1/2" = 1'-0"

* Add air & gas valves in Fume hoods

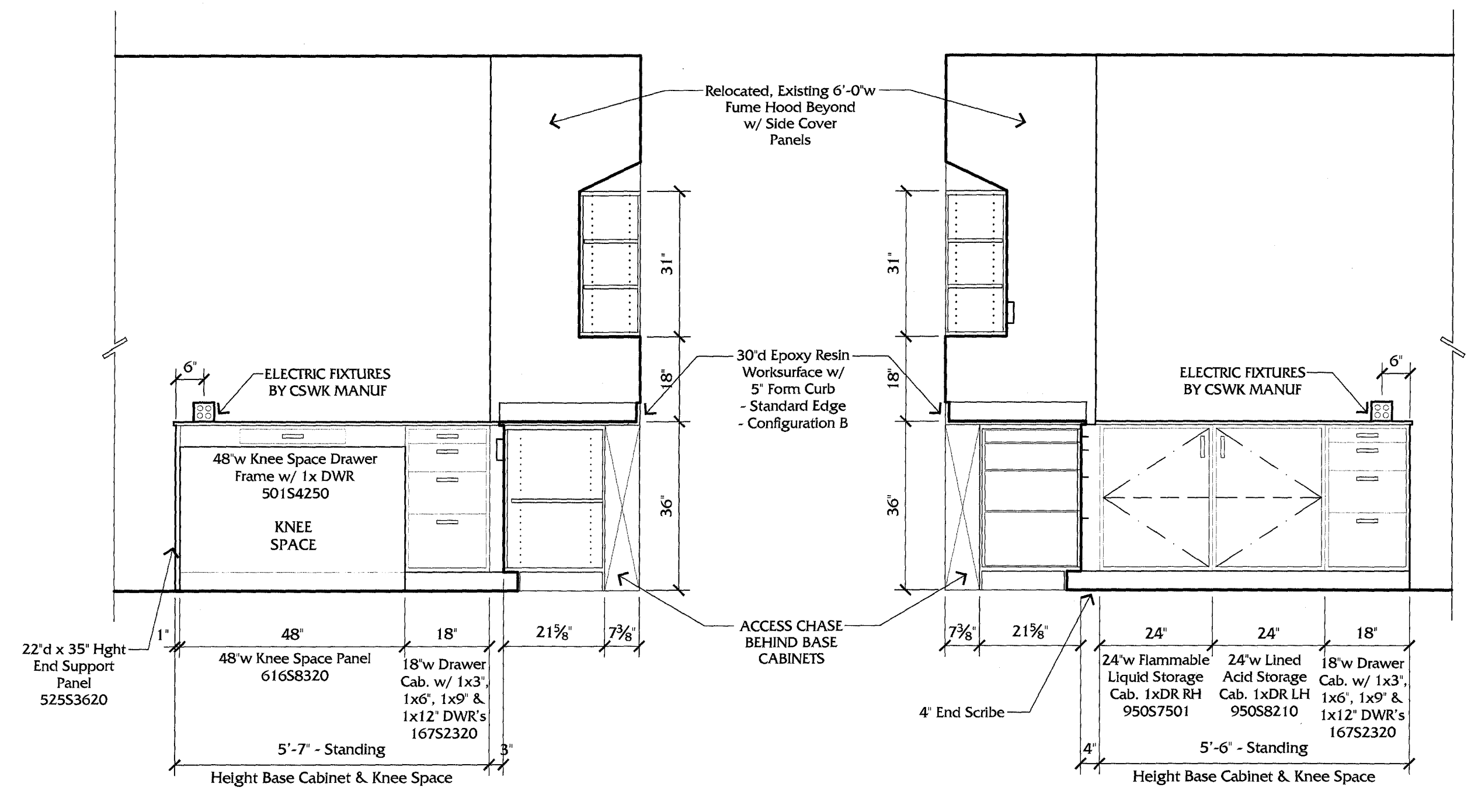
GENERAL CASEWORK NOTES:

- ALL STANDING HEIGHT BASE CABINETS, KNEE SPACES, END LEG ASSEMBLIES & END SUPPORT PANELS SHALL BE 36" AFF TO THE T.O. EPOXY WORK SURFACE
- ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" TO THE T.O. EPOXY WORK SURFACE
- CAULK ALL BACK SPLASHES AT ADJACENT WALL
- SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
 116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
 123493 INSET STEEL LABORATORY CASEWORK
- SEE MEP DRAWINGS & SPECIFICATIONS

B LABORATORY R519 - Shared
 SCALE: 1/2" = 1'-0"



C LABORATORY R519 - Shared
 SCALE: 1/2" = 1'-0"



D LABORATORY - Shared
 SCALE: 1/2" = 1'-0"

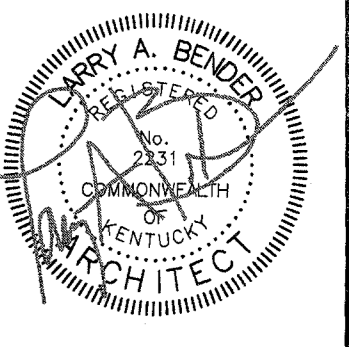
E LABORATORY - Shared
 SCALE: 1/2" = 1'-0"

LABORATORY CASEWORK ELEVATIONS
RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY



UK
 CPMD PROJECT #: 2353.0
 CONSTRUCTION DOCUMENTS
 30 MAY 2013

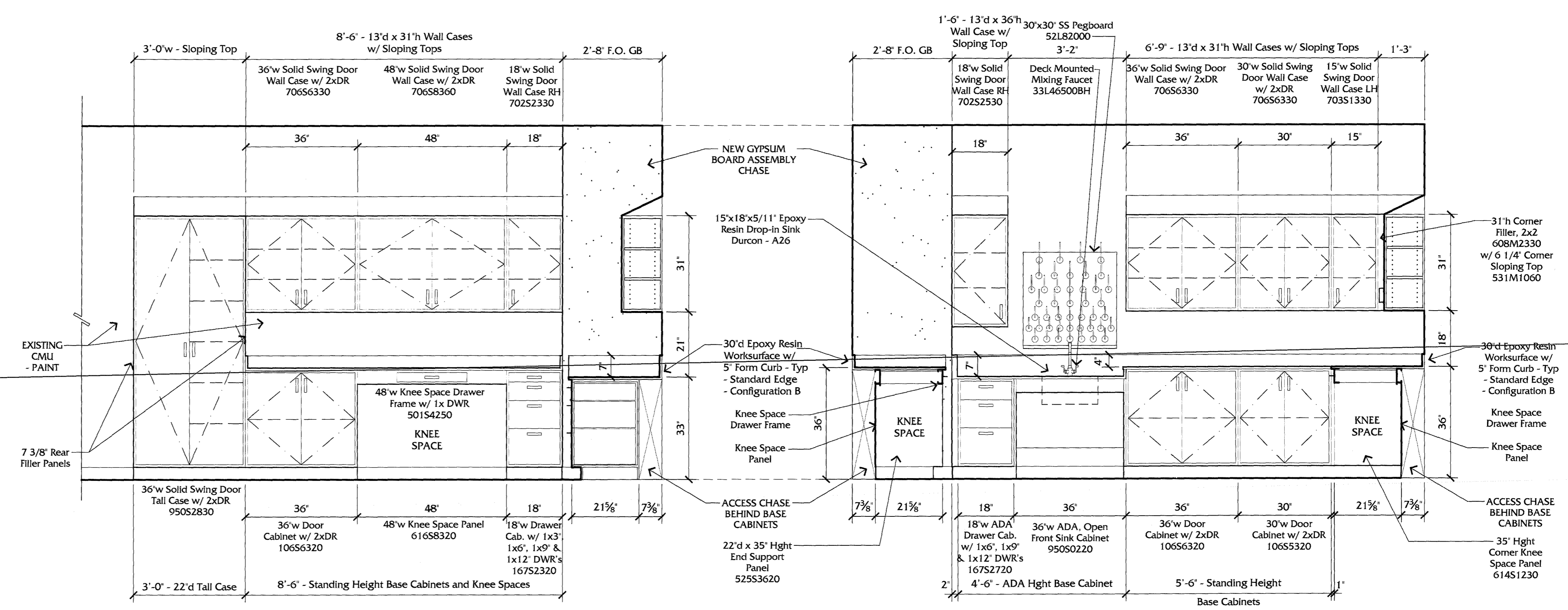
A.13



WARNING OF PARTIAL SET REVIEW
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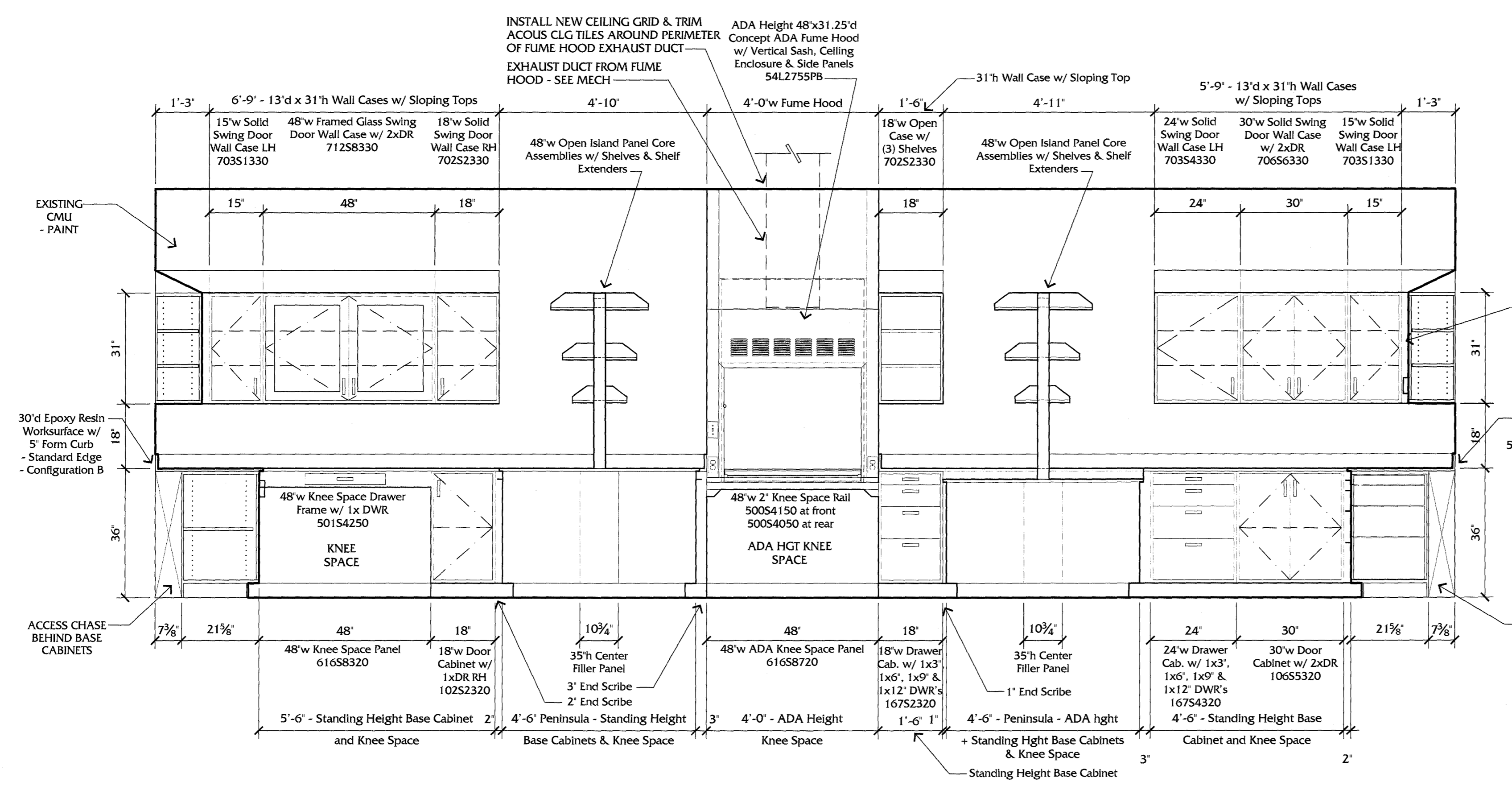
GENERAL CASEWORK NOTES:

- ALL STANDING HEIGHT BASE CABINETS, KNEE SPACES, END LEG ASSEMBLIES & END SUPPORT PANELS SHALL BE 36" AFF TO THE T.O. EPOXY WORK SURFACE
- ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" TO THE T.O. EPOXY WORK SURFACE
- CAULK ALL BACK SPLASHES AT ADJACENT WALL
- SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
 116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
 123493 INSET STEEL LABORATORY CASEWORK
- SEE MEP DRAWINGS & SPECIFICATIONS



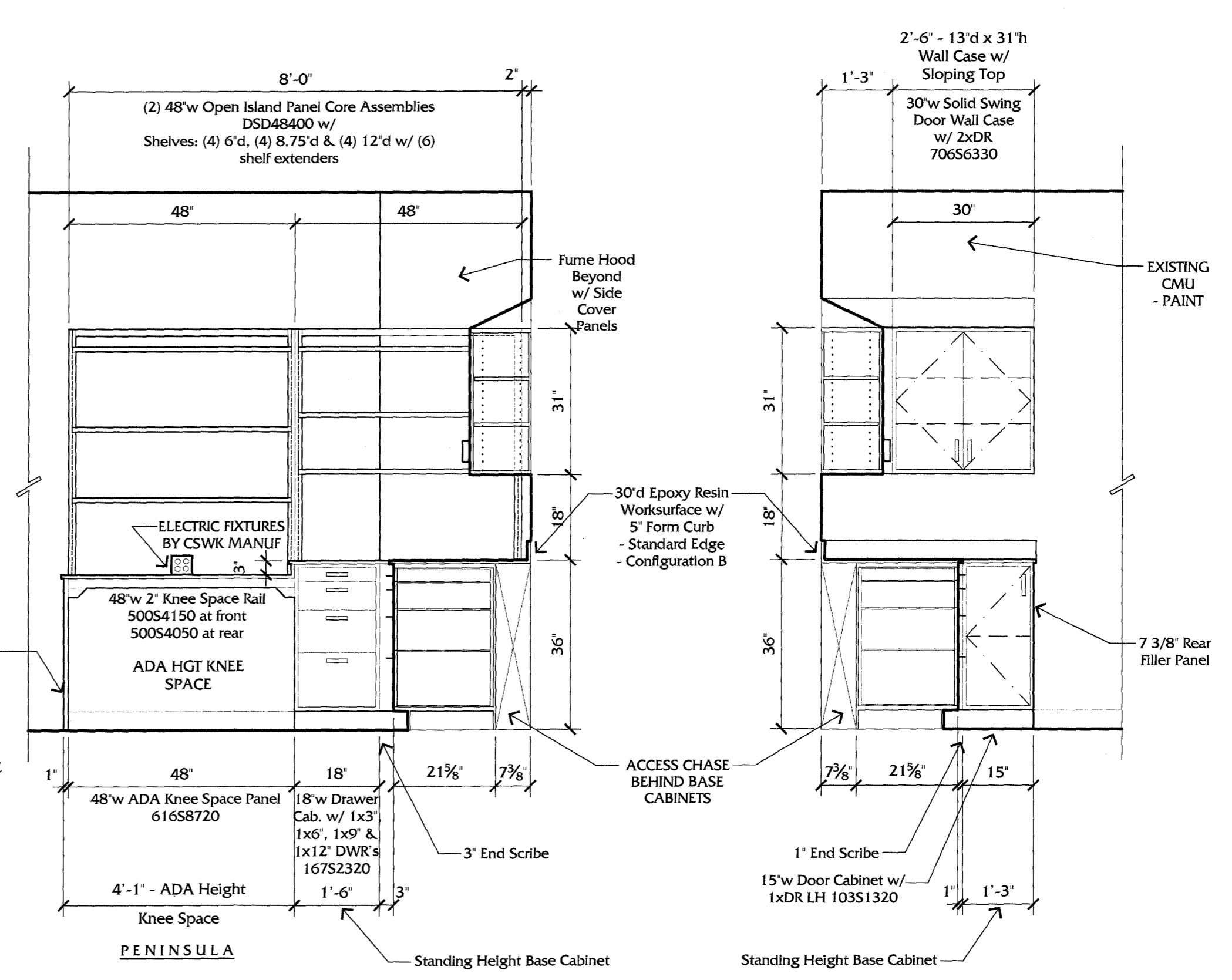
A LABORATORY R521 - Puleo
 SCALE: 1/2" = 1'-0"

B LABORATORY R521 - Puleo
 SCALE: 1/2" = 1'-0"



C LABORATORY R521 - Puleo
 SCALE: 1/2" = 1'-0"

* Add air/gas valves in fume hood



D LABORATORY PENINSULA
 SCALE: 1/2" = 1'-0"

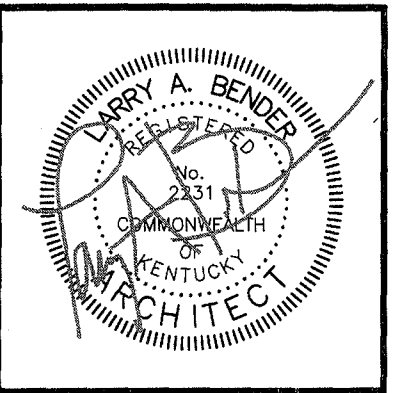
E LABORATORY R521 - Puleo
 SCALE: 1/2" = 1'-0"

LABORATORY CASEWORK ELEVATIONS
RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY

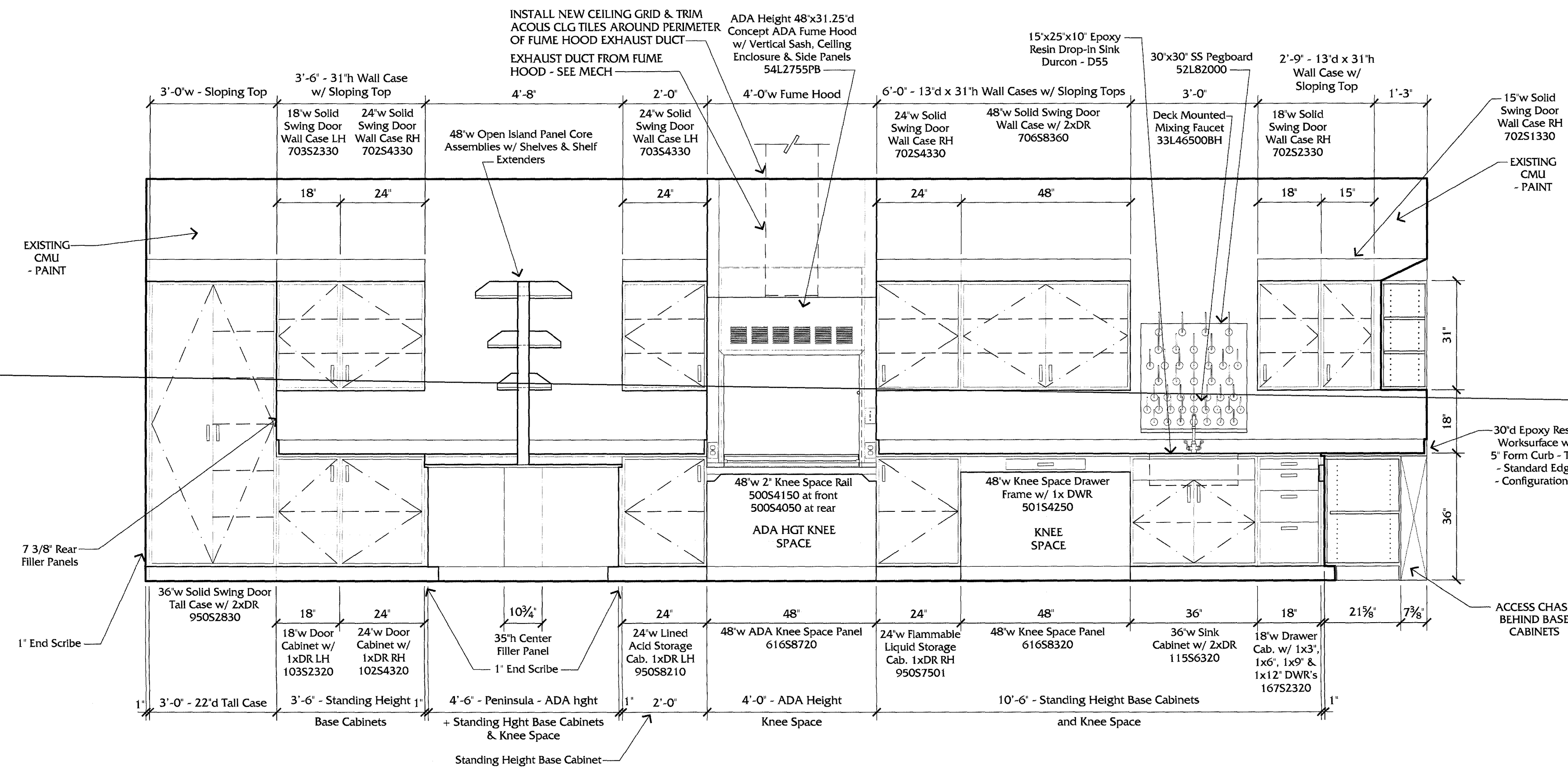


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 CONSTRUCTION DOCUMENTS
 30 MAY 2013

A.14



WARNING OF PARTIAL SET REVIEW
 General contractors and subcontractors bidding on work elements shown on this single sheet are hereby required to review the full set of construction drawings, the Specifications Manual and addenda (if issued) prior to submission of a bid. Submission of a bid shall serve as certification by all contractors of their comprehensive review of the complete Construction Documents Set listed above. Failure to review all Contract Documents, regardless of reason, shall not be reason for adjustment of the contract amount.

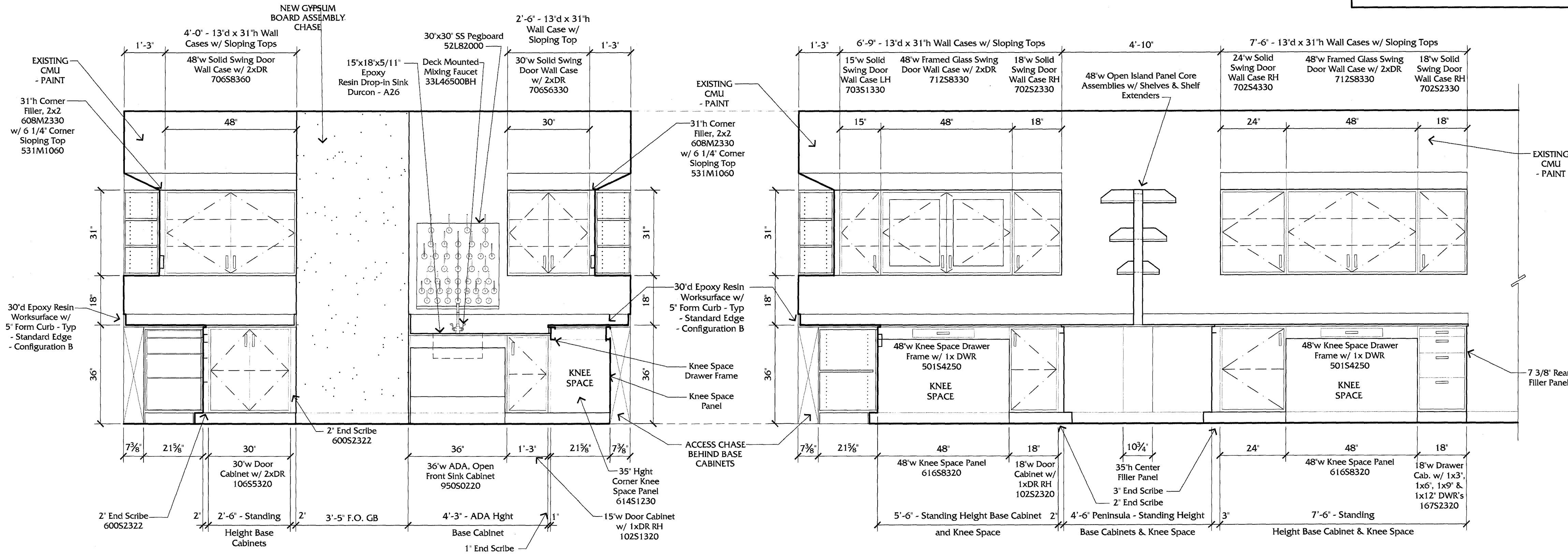


LABORATORY R523 - Pienkowski
 SCALE: 1/2" = 1'-0"

* Add air/gas valves in Fume Hood

GENERAL CASEWORK NOTES:

- ALL STANDING HEIGHT BASE CABINETS, KNEE SPACES, END LEG ASSEMBLIES & END SUPPORT PANELS SHALL BE 36" AFF TO THE T.O. EPOXY WORK SURFACE
- ALL ADA HEIGHT CABINETS, KNEE SPACES & END LEG ASSEMBLIES HEIGHT SHALL BE 33" TO THE T.O. EPOXY WORK SURFACE
- CAULK ALL BACK SPLASHES AT ADJACENT WALL
- SEE THE FOLLOWING SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION:
 116120 LABORATORY FUME HOODS, FITTINGS & ACCESSORIES
 123493 INSET STEEL LABORATORY CASEWORK
- SEE MEP DRAWINGS & SPECIFICATIONS



LABORATORY R523 - Pienkowski
 SCALE: 1/2" = 1'-0"

LABORATORY R523 - Pienkowski
 SCALE: 1/2" = 1'-0"

LABORATORY CASEWORK ELEVATIONS
RENOVATE ROBOTICS BUILDING
UNIVERSITY OF KENTUCKY

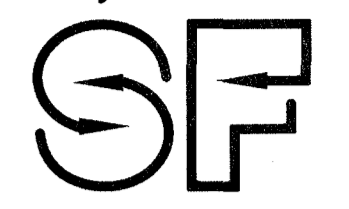


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 CPMD PROJECT #: 2353.0
 CONSTRUCTION DOCUMENTS
 30 MAY 2013

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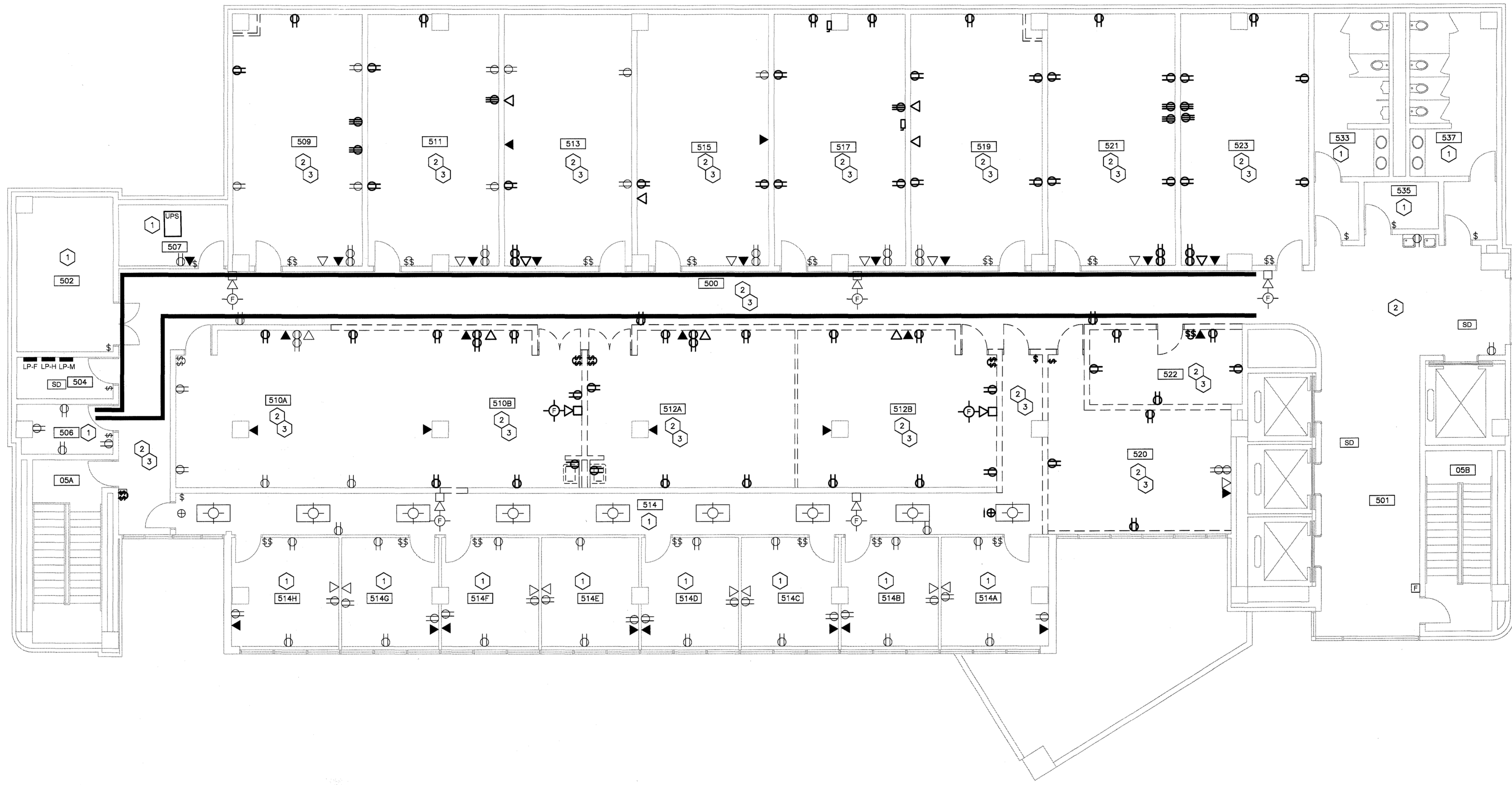
ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
500	CORRIDOR
501	ELEVATOR LOBBY
502	MECHANICAL
504	ELECTRICAL
506	COMMUNICATIONS
507	SHOP
509	LAB (YU)
510A	TRIALS
510B	TRIALS
511	LAB (SUNDERAM)
512A	STUDENTS
512B	CONFERENCE
513	LAB (BAZRGAR)
514	CORRIDOR
514A	OFFICE (PATWARDHEN)
514B	OFFICE (SUNDERAM)
514C	OFFICE (YU)
514D	OFFICE (SHIN)
514E	OFFICE (PIENKOWSKI)
514F	OFFICE (BAZRGAR)
514G	OFFICE (EVANS)
514H	OFFICE (SHARED)
515	LAB (PATWARDHEN)
517	LAB (SHIN)
519	LAB (SHARED)
520	DIRECTOR (PULEO)
521	LAB (PULEO)
522	CENTER OFFICE
523	LAB (PIENKOWSKI)
533	MEN
535	JANITOR
537	WOMEN
05A	STAR
05B	STAR



Stags and Fisher
Consulting Engineers, Inc.
2064 Luthness Drive Lexington, Kentucky 40517
(606) 271-5246

WARNING OF PARTIAL SET REVIEW
General Contractors and Subcontractors bidding on work items shown on this sheet shall be hereby required to review the full set of construction documents, the Specifications, Plans and addenda (if any) prior to submission of a bid. Submission of bid shall serve as certification by all contractors of their comprehensive review of the complete Construction Documents Set and their understanding of the scope of work shown. Failure to review all Contract Documents, regardless of reason, shall not be reason for adjustment of the contract amount.



- CODED NOTES: ELECTRICAL DEMOLITION**
- EXISTING SPACE. NO WORK TO BE DONE IN EXISTING SPACE.
 - DISCONNECT AND REMOVE LIGHT FIXTURE. REMOVE WIRE AND CONDUIT COMPLETE TO PANELBOARD.
 - DISCONNECT AND REMOVE RECEPTACLES, SWITCHES, DATA OUTLETS AND FIRE ALARM DEVICES INDICATED AS BEING REMOVED BY THE DARKER LINE WEIGHT. REMOVE WIRE AND CONDUIT COMPLETE TO PANELBOARD. REMOVE DATA CABLE COMPLETE TO SERVER RACK. REMOVE ANY OTHER WORK NOT SHOWN THAT IS NOT REQUIRED WORK THE NEW OPERATION OF THE SPACE.

ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1' - 0"

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

ELECTRICAL PLAN - 5th FLOOR - DEMOLITION
RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
THE CENTER FOR BIOMEDICAL ENGINEERING
UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY



1008 eastland dr., lexington, ky 40505
tel (859) 252-0112 fax (859) 252-0114

UK
CPMD PROJECT #: 2353.0

CONSTRUCTION DOCUMENTS
30 MAY 2013

E.1

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LIGHT FIXTURE SCHEDULE

LABS
 LF-1 2 X 4 GRID TROFFER WITH 3.65" DEPTH HOUSING, ROLLED AND HEMMED MITERED STEEL T-SHAPED DOOR FRAME WITH REINFORCING CORNER KEY, MECHANICAL LIGHT TRAP, SPRING ACTION LATCHES, T7 HINGES, A12, 125" UV STABILIZED ACRYLIC LENS WITH CENTER INVERTED PRISM OR A19, 156 PRISMATIC ACRYLIC LENS, 120 VOLT PROGRAMMED START 10% THD ELECTRONIC BALLAST, 90% REFLECTANCE BAKED MATTE WHITE ENAMEL FINISH, AND FOUR (4) F32T8CW LAMPS.
 LITHONIA 2SP8 432T8 120 GE810FS SERIES
 DAYBRITE EQUAL
 LIGHTOLIER EQUAL

STUDENT AREA, OFFICES, CONFERENCE ROOM
 LF-2 2X4 GRID DIRECT/INDIRECT TROFFER WITH COLD ROLLED STEEL HOUSING AND DOOR FRAME, WHITE HOUSING FINISH, TWIN WHITE POWDER PAINT FINISHED REFLECTORS, METAL DIFFUSER WITH ROUND HOLES BACKED WITH WHITE ACRYLIC DIFFUSER, 120 VOLT PROGRAMMED START 10% THD ELECTRONIC STEP-DIMMING BALLAST, AND TWO (2) F32T8CW LAMPS.
 LITHONIA 2AV G 2 32 MDR SERIES
 METALUX EQUAL
 LIGHTOLIER EQUAL

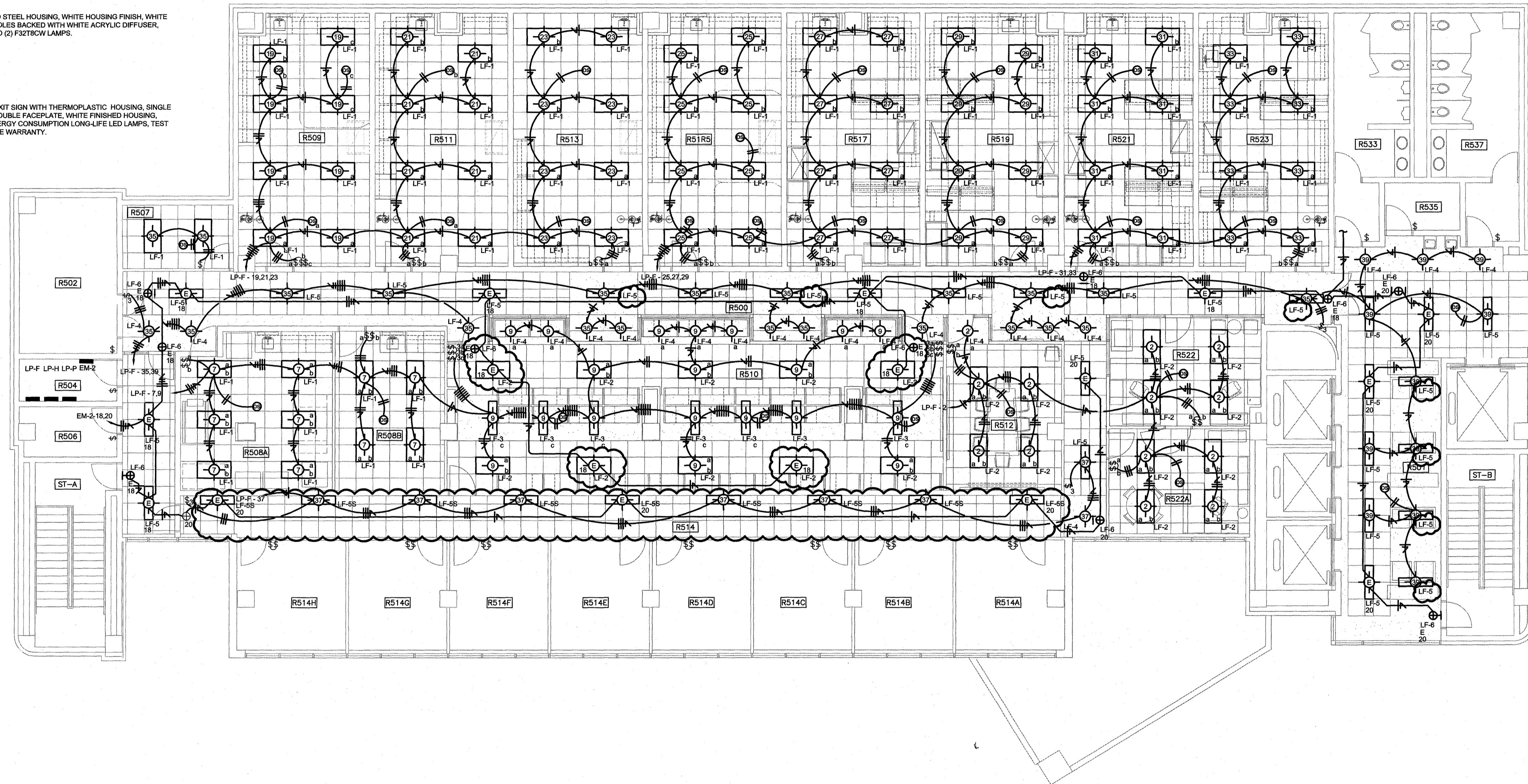
STUDENT AREA, CORRIDORS, ELEVATOR LOBBY - no longer used
 LF-3 1X4 SUSPENDED DIRECT/INDIRECT TROFFER WITH COLD ROLLED STEEL HOUSING, WHITE HOUSING FINISH, WHITE POWDER PAINT FINISHED REFLECTORS, METAL DIFFUSER WITH ROUND HOLES BACKED WITH WHITE ACRYLIC DIFFUSER, 4" SWIVEL HANGER, 120 VOLT PROGRAMMED START 10% THD ELECTRONIC BALLAST, AND TWO (2) F32T8CW LAMPS.
 LITHONIA AVSM 2 32 DLS SERIES
 METALUX EQUAL
 LIGHTOLIER EQUAL

CORRIDOR, STUDENT AREA
 LF-4 6" APERTURE VERTICALLY LAMPED RECESSED DOWNLIGHT WITH CLEAR ALZAK SELF FLANGED REFLECTOR, HEAT DISSIPATING ALUMINUM SOCKET HOUSING, HORIZONTALLY AND VERTICALLY ADJUSTABLE MOUNTING BRACKETS, GALVANIZED STEEL JUNCTION BOX, 120 VOLT 10% THD SOLID STATE ELECTRONIC BALLAST 16 GAUGE GALVANIZED STEEL MOUNTING PLASTER FRAME, UL LABEL, 70% MINIMUM EFFICIENCY, AND ONE (1) F32T8T COMPACT FLUORESCENT LAMP.
 GOTHAM AFV 32T8T 6AR SERIES
 OMEGA EQUAL
 PRESOLITE EQUAL

CORRIDORS, ELEVATOR LOBBY
 LF-5 1X4 RECESSED DIRECT/INDIRECT FIXTURE WITH COLD ROLLED STEEL HOUSING, WHITE HOUSING FINISH, WHITE POWDER PAINT FINISHED REFLECTORS, METAL DIFFUSER WITH ROUND HOLES BACKED WITH WHITE ACRYLIC DIFFUSER, 120 VOLT PROGRAMMED START 10% THD ELECTRONIC BALLAST, AND TWO (2) F32T8CW LAMPS.
 LITHONIA AV G 2 32 MDR SERIES
 METALUX EQUAL
 LIGHTOLIER EQUAL

OFFICE CORRIDORS
 LF-6 METALUX RDH-ASY 232 RP SERIES

EXIT SIGNS
 LF-7 UNIVERSAL MOUNTED STEEL FACE SELF DIAGNOSTIC LED EXIT SIGN WITH THERMOPLASTIC HOUSING, SINGLE FACEPLATE WITH EXTRA FACEPLATE FOR EASY FIELD CONVERSION TO DOUBLE FACEPLATE, WHITE FINISHED HOUSING, REPLACEABLE CHEVRON DIRECTIONAL INDICATOR KNOCKOUTS, LOW ENERGY CONSUMPTION LONG-LIFE LED LAMP, TEST SWITCH, LED INDICATOR LIGHTS, UL LABEL, AND FIVE YEAR TOTAL FIXTURE WARRANTY.
 LITHONIA LOM SERIES
 DUALITE EQUAL
 ISOLITE EQUAL



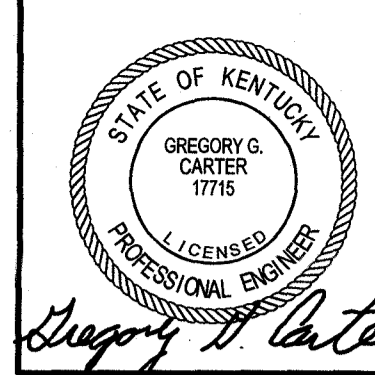
LIGHTING PLAN - NEW FLOOR PLAN
 SCALE: 1/8" = 1'-0"

NOTE:
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ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
R500	CORRIDOR
R501	ELEVATOR LOBBY
R502	MECHANICAL
R503	ELECTRICAL
R504	COMMUNICATIONS
R505	SHOP
R506	TRIALS
R507	TRIALS
R508A	TRIALS
R508B	TRIALS
R509	LAB (YU)
R510	STUDENT AREA
R511	LAB (SUNDERAM)
R512	CONFERENCE
R513	LAB (BAZGARD)
R514	CORRIDOR
R514A	OFFICE (PATWARDHEN)
R514B	OFFICE (SUNDERAM)
R514C	OFFICE (YU)
R514D	OFFICE (SHIN)
R514E	OFFICE (PIENKOWSKI)
R514F	OFFICE (BAZGARD)
R514G	OFFICE (SWANS)
R514H	OFFICE (SHARED)
R515	LAB (PATWARDHEN)
R517	LAB (SHIN)
R519	LAB (SHARED)
R521	LAB (PULEO)
R522	CENTER OFFICE
R523	DIRECTOR (PULEO)
R524	LAB (PIENKOWSKI)
R525	MEN
R526	JANITOR
R527	WOMEN
ST-A	STAIR
ST-B	STAIR

WARNING OF PARTIAL SET REVIEW
 General Contractors and Subcontractors holding no work shown on the work sheet are hereby required to review the full set of construction drawings, the Specifications and all conditions of award prior to submission of a bid. Submission of a bid shall serve as certification by all contractors of their comprehensive review of the complete Construction Documents Set located above. Failure to review all Contract Documents, regardless of review, shall not be reason for adjustment of the contract amount.



SF
Staggs and Fisher
 Consulting Engineers, Inc.
 2080 Limestone Drive Lexington, Kentucky 40517
 (606) 271-3546

ELECTRICAL LIGHTING PLAN - 5th FLOOR - NEW WORK
 RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
THE CENTER FOR BIOMEDICAL ENGINEERING
 LEXINGTON, KENTUCKY

bender associates architects
 1008c eastland dr., lexington, ky 40505
 tel (859) 252-0112 fax (859) 252-0114

UK
 CPMD PROJECT #: 2353.0
 CONSTRUCTION DOCUMENTS
 30 MAY 2013

E.2

LIGHT FIXTURE SCHEDULE

LABS
 LF-1 2' X 4' GRID TROFFER WITH 3/8" DEPTH HOUSING, ROLLED AND HEMMED MITERED STEEL, T-SHAPED DOOR FRAME WITH REINFORCING CORNER KEY, MECHANICAL LIGHT TRAP, SPRING ACTION LATCHES, "T" HINGES, A12, 120" UV STABILIZED ACRYLIC LENS WITH CENTER INVERTED PRISM OR A19, 158 PRISMATIC ACRYLIC LENS, 120 VOLT PROGRAMMED START 10% THD ELECTRONIC BALLAST, 90% REFLECTANCE BAKED MATTE WHITE ENAMEL FINISH, AND FOUR (4) F32T8CW LAMPS. LITHONIA 2SPB 43278 120 GEB 10% SERIES DAYBRITE EQUAL LIGHTOLIER EQUAL

STUDENT AREA, OFFICES, CONFERENCE ROOM
 LF-2 2' X 4' GRID DIRECT/INDIRECT TROFFER WITH COLD ROLLED STEEL HOUSING AND DOOR FRAME, WHITE HOUSING FINISH, TWIN WHITE POWDER PAINT FINISHED REFLECTORS, METAL DIFFUSER WITH ROUND HOLES BACKED WITH WHITE ACRYLIC DIFFUSER, 120 VOLT PROGRAMMED START 10% THD ELECTRONIC STEP-DIMMING BALLAST, AND TWO (2) F32T8CW LAMPS. LITHONIA 2AV G 2 32 MDR SERIES METALUX EQUAL LIGHTOLIER EQUAL

STUDENT AREA, CORRIDORS, ELEVATOR LOBBY
 LF-3 1' X 4' SUSPENDED DIRECT/INDIRECT FIXTURE WITH COLD ROLLED STEEL HOUSING, WHITE HOUSING FINISH, WHITE POWDER PAINT FINISHED REFLECTORS, METAL DIFFUSER WITH ROUND HOLES BACKED WITH WHITE ACRYLIC DIFFUSER, 4" SWIVEL HANGER, 120 VOLT PROGRAMMED START 10% THD ELECTRONIC BALLAST, AND TWO (2) F32T8CW LAMPS. LITHONIA AVSM 2 32 MDR DLS SERIES METALUX EQUAL LIGHTOLIER EQUAL

CORRIDOR, STUDENT AREA
 LF-4 6" APERTURE VERTICALLY LAMPED RECESSED DOWNLIGHT WITH CLEAR ALZAK SELF FLANGED REFLECTOR, HEAT DISSIPATING ALUMINUM SOCKET HOUSING, HORIZONTALLY AND VERTICALLY ADJUSTABLE MOUNTING BRACKET, GALVANIZED STEEL JUNCTION BOX, 120 VOLT 10% THD SOLID STATE ELECTRONIC BALLAST 16 GAUGE GALVANIZED STEEL MOUNTING PLASTER FRAME, UL LABEL, 70% MINIMUM EFFICIENCY, AND ONE (1) F32T8T COMPACT FLUORESCENT LAMP. GOTHAM AVF 32T8T 6A SERIES OMEGA EQUAL PRESOLITE EQUAL

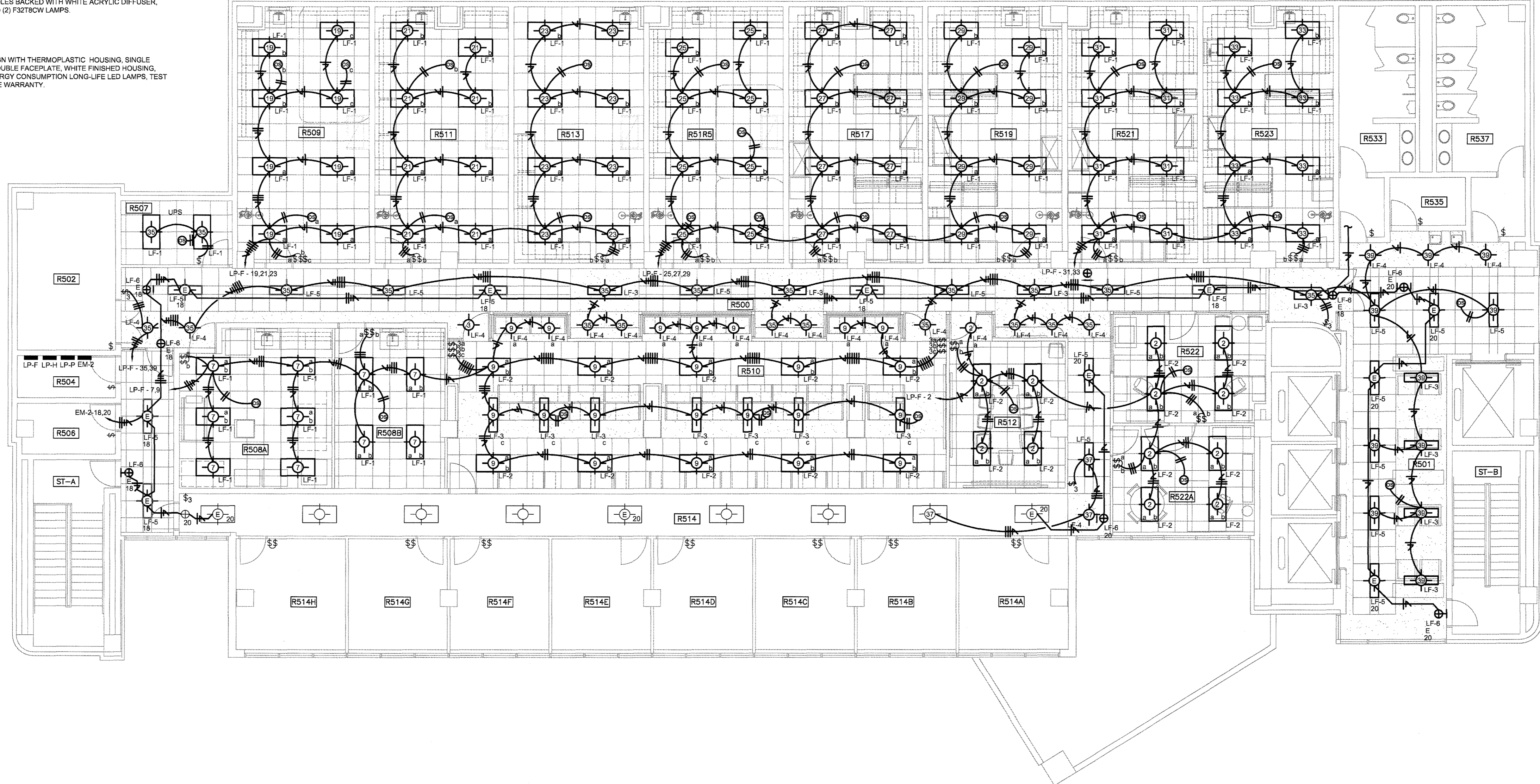
CORRIDORS, ELEVATOR LOBBY
 LF-5 1' X 4' RECESSED DIRECT/INDIRECT FIXTURE WITH COLD ROLLED STEEL HOUSING, WHITE HOUSING FINISH, WHITE POWDER PAINT FINISHED REFLECTORS, METAL DIFFUSER WITH ROUND HOLES BACKED WITH WHITE ACRYLIC DIFFUSER, 120 VOLT PROGRAMMED START 10% THD ELECTRONIC BALLAST, AND TWO (2) F32T8CW LAMPS. LITHONIA AV G 2 32 MDR SERIES METALUX EQUAL LIGHTOLIER EQUAL

EXIT SIGN
 LF-6 UNIVERSAL MOUNTED STENCIL FACE SELF DIAGNOSTIC LED EXIT SIGN WITH THERMOPLASTIC HOUSING, SINGLE FACER PLATE WITH EXTRA FACER PLATE FOR EASY FIELD CONVERSION TO DOUBLE FACER PLATE, WHITE FINISHED HOUSING, REPLACEABLE CHEVRON DIRECTIONAL INDICATOR KNOCKOUTS, LOW ENERGY CONSUMPTION LONG-LIFE LED LAMPS, TEST SWITCH, LED INDICATOR LIGHTS, UL LABEL, AND FIVE YEAR TOTAL FIXTURE WARRANTY. LITHONIA LWS SERIES DUALITE EQUAL ISOLITE EQUAL

ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
R500	CORRIDOR
R501	ELEVATOR LOBBY
R502	MECHANICAL
R504	ELECTRICAL
R506	COMMUNICATIONS
R507	SHIP
R508A	TRIALS
R508B	TRIALS
R509	LAB (YU)
R510	STUDENT AREA
R511	LAB (SUNDERAM)
R512	CONFERENCE
R513	LAB (BAZARGAR)
R514	CORRIDOR
R514A	OFFICE (PATWARDHAN)
R514B	OFFICE (SUNDERAM)
R514C	OFFICE (YU)
R514D	OFFICE (SHIN)
R514E	OFFICE (PIENKOWSKI)
R514F	OFFICE (BAZARGAR)
R514G	OFFICE (EVANS)
R514H	OFFICE (SHARED)
R515	LAB (PATWARDHAN)
R517	LAB (SHIN)
R519	LAB (SHARED)
R521	LAB (PULEO)
R522	CENTER OFFICE
R522A	DIRECTOR (PULEO)
R523	LAB (PIENKOWSKI)
R533	MEN
R535	JANITOR
R537	WOMEN
ST-A	STAR
ST-B	STAR

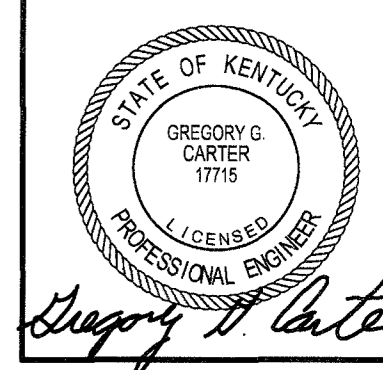
WARNING OF PARTIAL SET REVIEW
 General Contractors and Subcontractors relying on work elements shown on the main sheet are hereby required to review the full set of construction drawings, the Specifications Manual and schedule (if any) prior to submission of a bid. Submission of bid shall serve as certification by all contractors of their comprehensive review of the complete Construction Documents. The need above, failure to review all drawings, shall not be a basis for adjustment of the contract amount.



LIGHTING PLAN - NEW FLOOR PLAN
 SCALE: 1/8" = 1' - 0"

NOTE:
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Revised

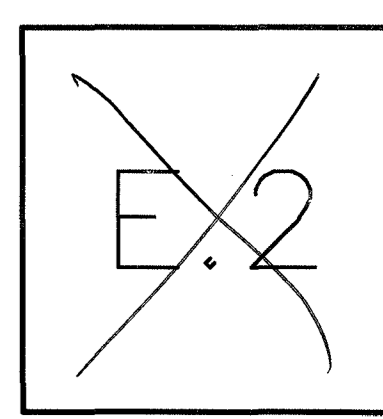


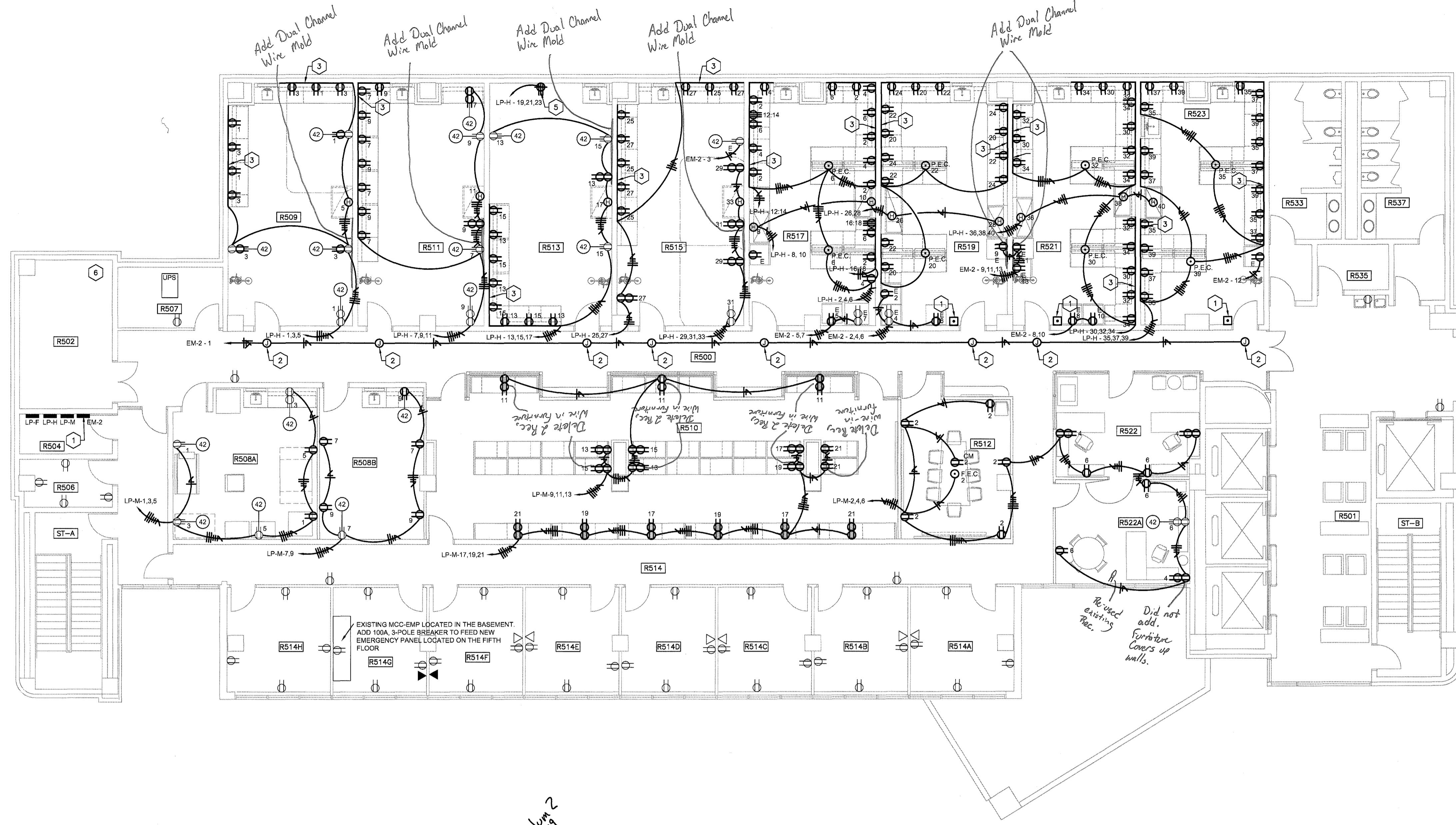
SF
 Staggs and Fisher
 Consulting Engineers, Inc.
 2001 Limestone Drive Lexington, Kentucky 40507
 (606) 277-3246

ELECTRICAL LIGHTING PLAN - 5th FLOOR - NEW WORK
 RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
THE CENTER FOR BIOMEDICAL ENGINEERING
 UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY

bender associates architects
 1008c eastland dr., lexington, ky 40505
 tel (606) 252-0112 fax (606) 252-0114

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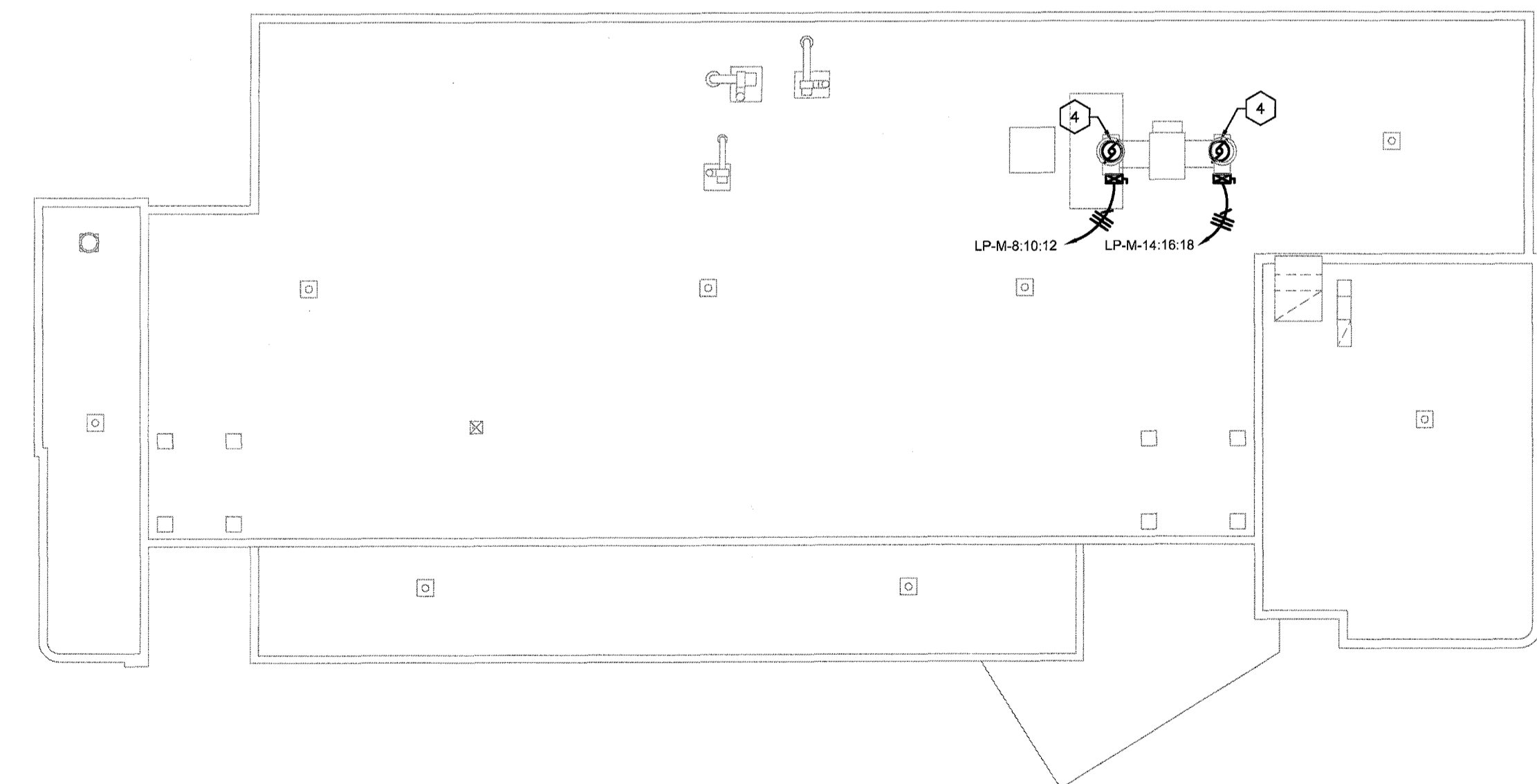


See addendum 2
2.1.7, 2.1.9

POWER PLAN - NEW FLOOR PLAN
SCALE: 1/8" = 1'-0"

- CODED NOTES: DRAWING E.3**
1. NEW 100AMP, 120/208V, 3-PHASE, MLO, 30 POLE PANEL. CONNECT NEW PANEL TO A NEW 100 AMP 3-POLE CIRCUIT BREAKER IN MCC-EMP.
 2. POWER CONNECTION FOR EMERGENCY EYEWASH SHOWER ALARM. SEE DETAIL SHEET.
 3. SINGLE CHANNEL SURFACE MOUNTED ALUMINUM RACEWAY WITH DIVIDER PLATE FOR DUAL CHANNELS. LOCATE RACEWAY ABOVE THE COUNTER RACEWAY SIMILAR TO LEGRAND 3400 SERIES. PROVIDE DUPLEX RECEPTACLES AS INDICATED.
 4. EXHAUST FAN. PROVIDE ELECTRICAL CONNECTION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. TIE EXHAUST FAN INTO EXISTING LIGHTNING PROTECTION SYSTEM.
 5. SUDDEN PERTURBATION DEVICE. 20A, 3-PHASE, 5-WIRE, L21-20R RECEPTACLE.
 6. RELOCATE CONDUIT AS REQUIRED PER MECHANICAL CONTRACTOR TO ACCOMMODATE NEW DUCT INSTALLATION.

- GENERAL NOTES: DRAWING E.3**
1. ALL RECEPTACLES WITHIN 6' OF SINKS SHALL BE GFI TYPE.



ELECTRICAL POWER PLAN - ROOF - NEW WORK
SCALE: 1/16" = 1'-0"

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ROOM NUMBER	ROOM NAME
R500	CORRIDOR
R501	ELEVATOR LOBBY
R502	MECHANICAL
R504	ELECTRICAL
R506	COMMUNICATIONS
R507	SHOP
R508A	TRIALS
R508B	TRIALS
R509	LAB (YU)
R510	STUDENT AREA
R511	LAB (SUNDERAM)
R512	CONFERENCE
R513	LAB (BAZGAR)
R514	CORRIDOR
R514A	OFFICE (PATWARDHEN)
R514B	OFFICE (SUNDERAM)
R514C	OFFICE (YU)
R514D	OFFICE (SHIN)
R514E	OFFICE (PIENKOWSKI)
R514F	OFFICE (BAZGAR)
R514G	OFFICE (EVANS)
R514H	OFFICE (SHARED)
R515	LAB (PATWARDHEN)
R517	LAB (SHIN)
R519	LAB (SHARED)
R521	LAB (PULEO)
R522	CENTER OFFICE
R522A	DIRECTOR (PULEO)
R523	LAB (PIENKOWSKI)
R533	MEN
R535	JANITOR
R537	WOMEN
ST-A	STAIR
ST-B	STAIR

STATE OF KENTUCKY
GREGORY G. CARTER
17715
LICENSED PROFESSIONAL ENGINEER
Staggs and Fisher
Consulting Engineers, Inc.
2306 LUTHERAN DRIVE
LEXINGTON, KENTUCKY 40517
(606) 271-3244

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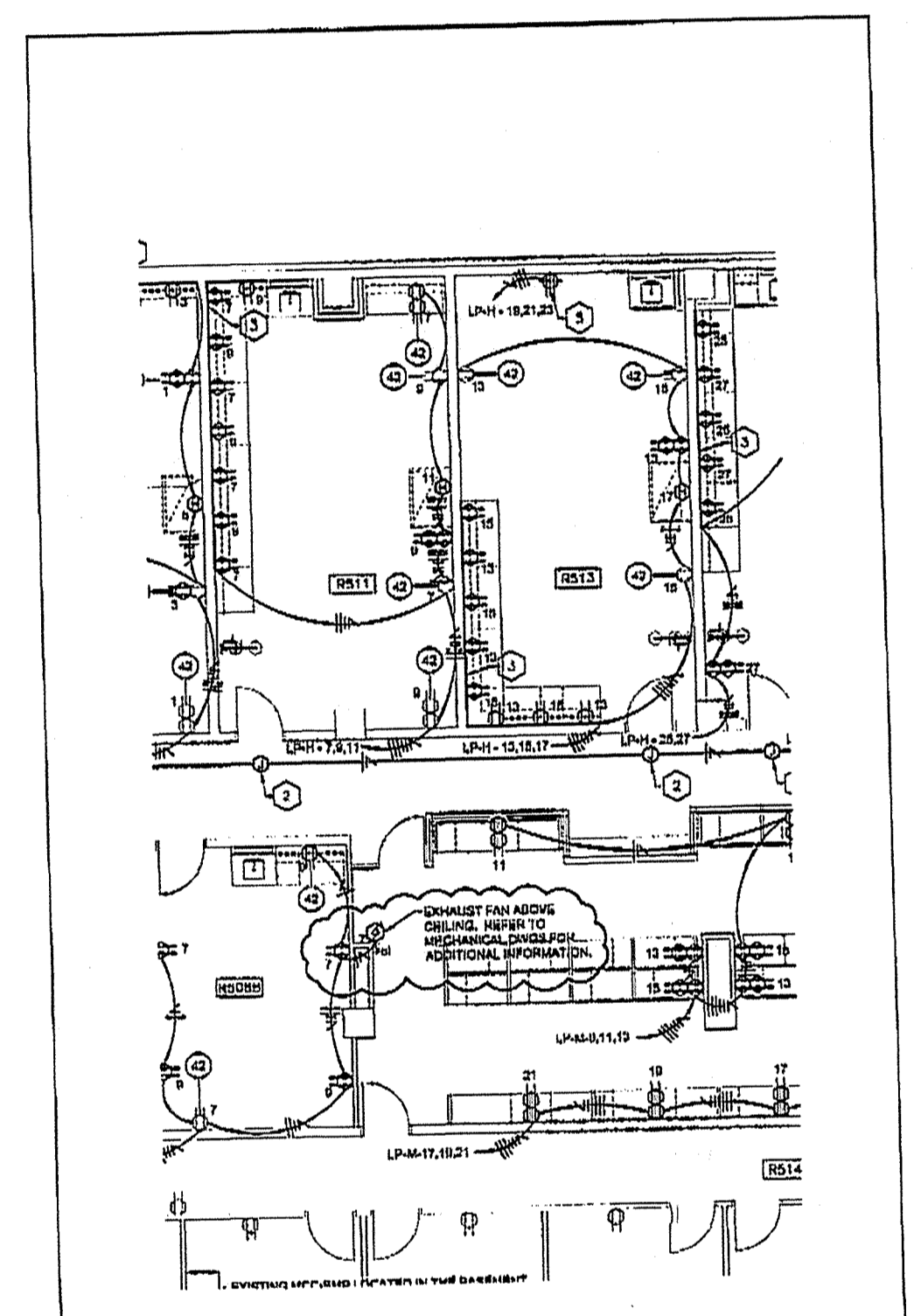
ELECTRICAL POWER PLAN - 5th FLOOR - NEW WORK
RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
THE CENTER FOR BIOMEDICAL ENGINEERING
UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY

bender associates architects
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tel (606) 262-0112 fax (606) 262-0114

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E.3

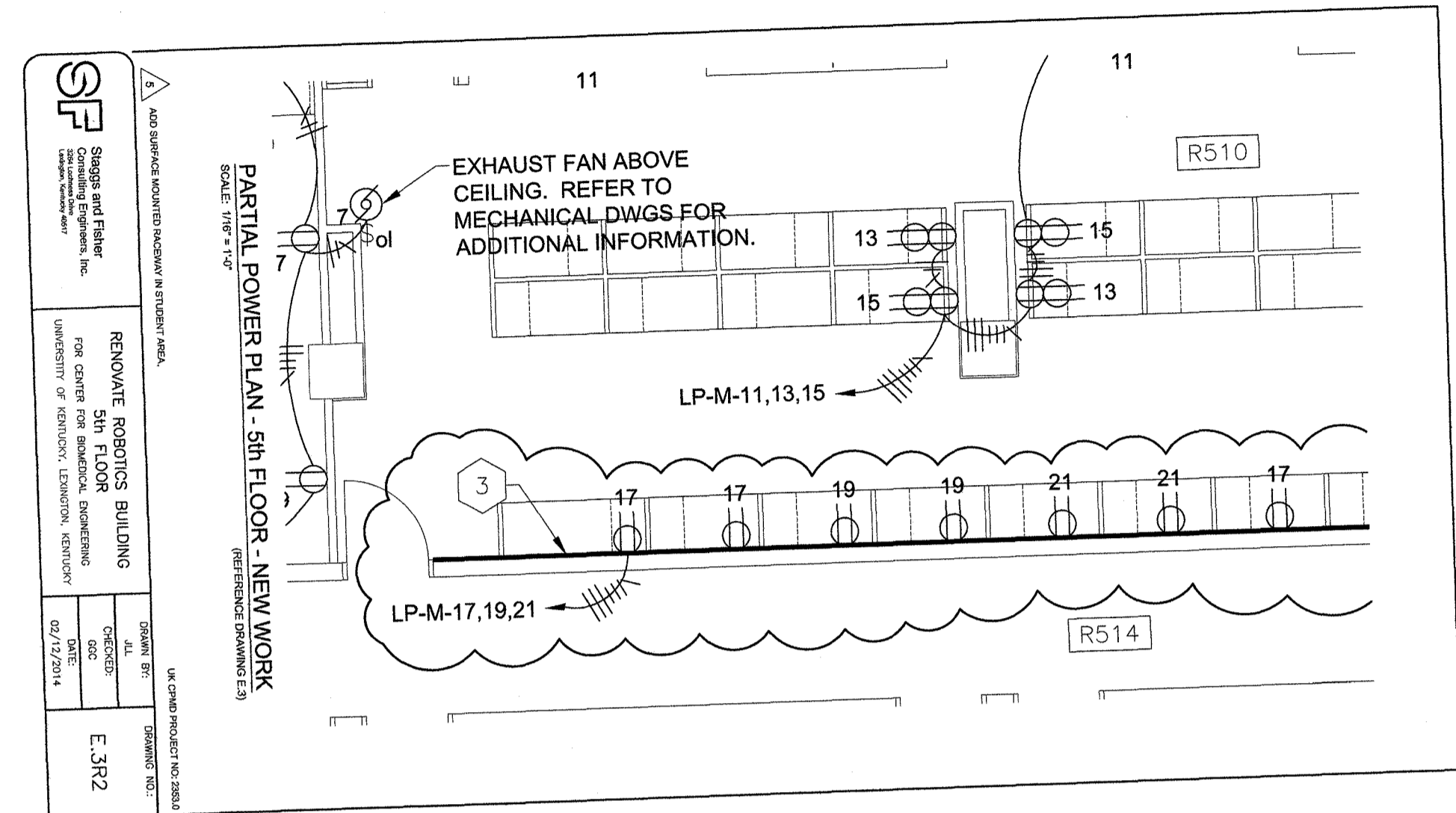
REV-11-CUI13L3UR) 1C:41 FINNEY CORPORS, INC. (PH)1059 555 3950 P. 00b/005



PARTIAL POWER PLAN - 5th FLOOR - NEW WORK
SCALE: 1/8" = 1'-0"

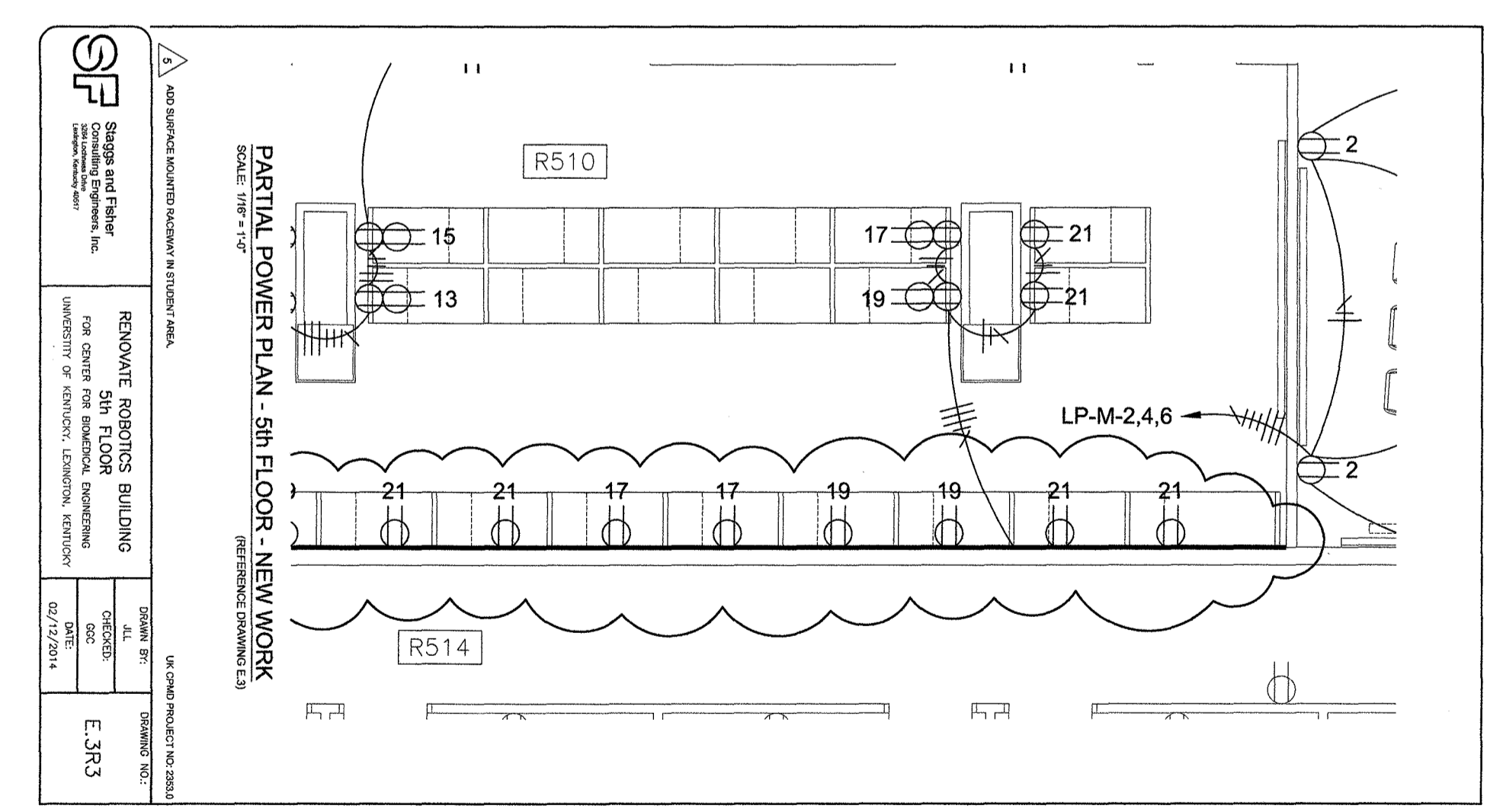
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	UN CHANG PROJECT NO. 20012			

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	Stage and Fisher Consulting Engineers, Inc. 11111 University Blvd. University of Houston, Houston, TX 77004	RENOVATE ROBOTICS BUILDING 5th FLOOR FOR CENTER FOR EDUCATIONAL INNOVATIONS UNIVERSITY OF HOUSTON, HOUSTON, TEXAS	SHEET NO: ALL CHECKED: EOC DATE: 02/17/2014	DRAWING NO: E.3R2
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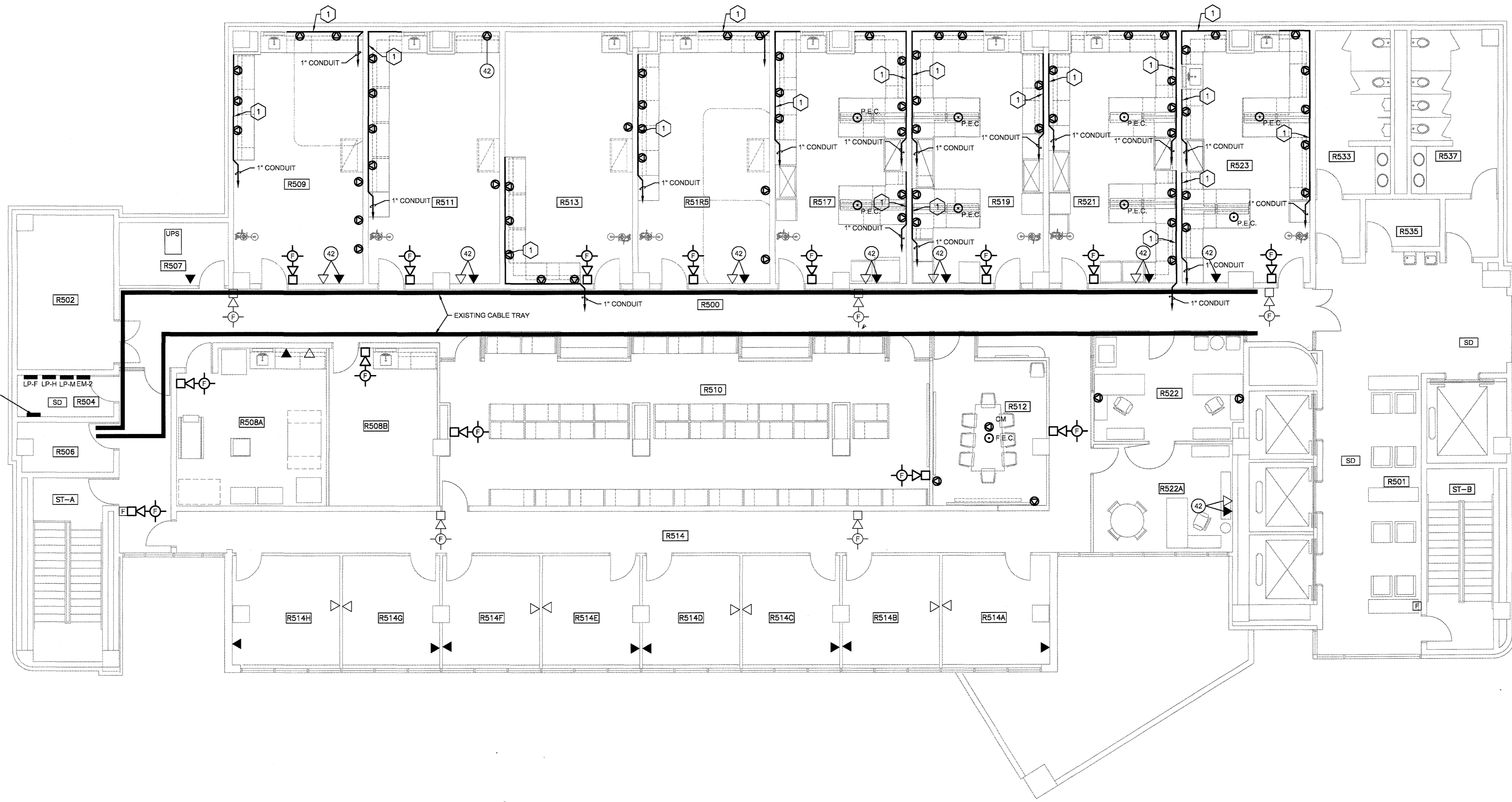


	Stage and Fisher Consulting Engineers, Inc. 11111 University Blvd. University of Houston, Houston, TX 77004	RENOVATE ROBOTICS BUILDING 5th FLOOR FOR CENTER FOR EDUCATIONAL INNOVATIONS UNIVERSITY OF HOUSTON, HOUSTON, TEXAS	SHEET NO: ALL CHECKED: EOC DATE: 02/17/2014	DRAWING NO: E.3R3
	UN CHANG PROJECT NO. 20012			

ROOM NUMBER	ROOM NAME
R500	CORRIDOR
R501	ELEVATOR LOBBY
R502	MECHANICAL
R504	ELECTRICAL
R506	COMMUNICATIONS
R507	SHOP
R508A	TRIALS
R508B	TRIALS
R509	LAB (YU)
R510	STUDENT AREA
R511	LAB (SUNDERAM)
R512	CONFERENCE
R513	LAB (BAZINGARI)
R514	CORRIDOR
R514A	OFFICE (PATWARDHEN)
R514B	OFFICE (SUNDERAM)
R514C	OFFICE (YU)
R514D	OFFICE (SHIN)
R514E	OFFICE (PIENKOWSKI)
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R514G	OFFICE (EVANS)
R514H	OFFICE (SHARED)
R515	LAB (PATWARDHEN)
R517	LAB (SHIN)
R519	LAB (SHARED)
R521	LAB (PULEO)
R522	CENTER OFFICE
R522A	DIRECTOR (PULEO)
R523	LAB (PIENKOWSKI)
R533	MECH
R535	JANITOR
R537	WOMEN
ST-A	STAIR
ST-B	STAIR



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ELECTRICAL LOW-VOLTAGE PLAN - 5th FLOOR - NEW WORK
 RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
THE CENTER FOR BIOMEDICAL ENGINEERING
 UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY

CODED NOTES, DRAWING E.4

- SINGLE CHANNEL SURFACE MOUNTED ALUMINUM RACEWAY WITH DIVIDER PLATE FOR DUAL CHANNELS. LOCATE RACEWAY ABOVE THE COUNTER. RACEWAY SIMILAR TO LEGRAND 3400 SERIES. PROVIDE RECTANGULAR DEVICE PLATE AND BRACKET FOR EACH DATA OUTLET LOCATION INDICATED. PROVIDE BLANK COVER PLATES OVER DEVICE PLATE. MODULAR DEVICES WILL BE PROVIDED AND INSTALLED BY OTHERS.

*addendum 2
2-19*

LOW VOLTAGE PLAN - NEW FLOOR PLAN

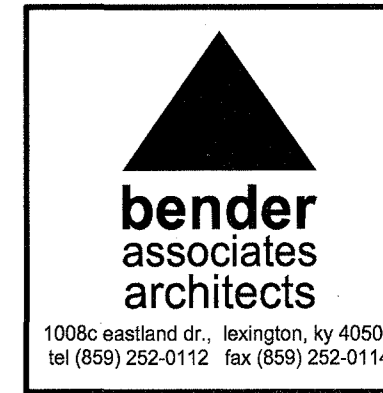
SCALE: 1/8" = 1'-0"

GENERAL NOTES, DRAWING E.4

- FIRE ALARM WILL BE DONE BY SIMPLEX THROUGH AN ALLOWANCE. REFER TO SPECS FOR ADDITIONAL INFORMATION. ALL FIRE ALARM CABLE SHALL BE IN CONDUIT. CONDUIT, BACKBOXES AND 120V POWER ARE NOT PROVIDED AS PART OF THE ALLOWANCE.
- COMMUNICATION CABLE, MODULAR JACKS, PATCH PANELS WILL BE PROVIDED, INSTALLED AND TERMINATED BY UK CNS.
- FOR EACH DATA OUTLET, PROVIDE A 5" SQUARE X 2.875" DEEP METAL BOX WITH CABLE MANAGEMENT AS MANUFACTURED BY RANDL. PROVIDE A 1" CONDUIT FROM DEVICE BOX STUBBED OUT 6" ABOVE CEILING.
- FOR EACH RECESSED AND PEDESTAL BOX, PROVIDE A 1" CONDUIT FROM BOX STUBBED OUT 6" ABOVE CEILING.

Stub the conduits for low-voltage cable out 6" above ceiling

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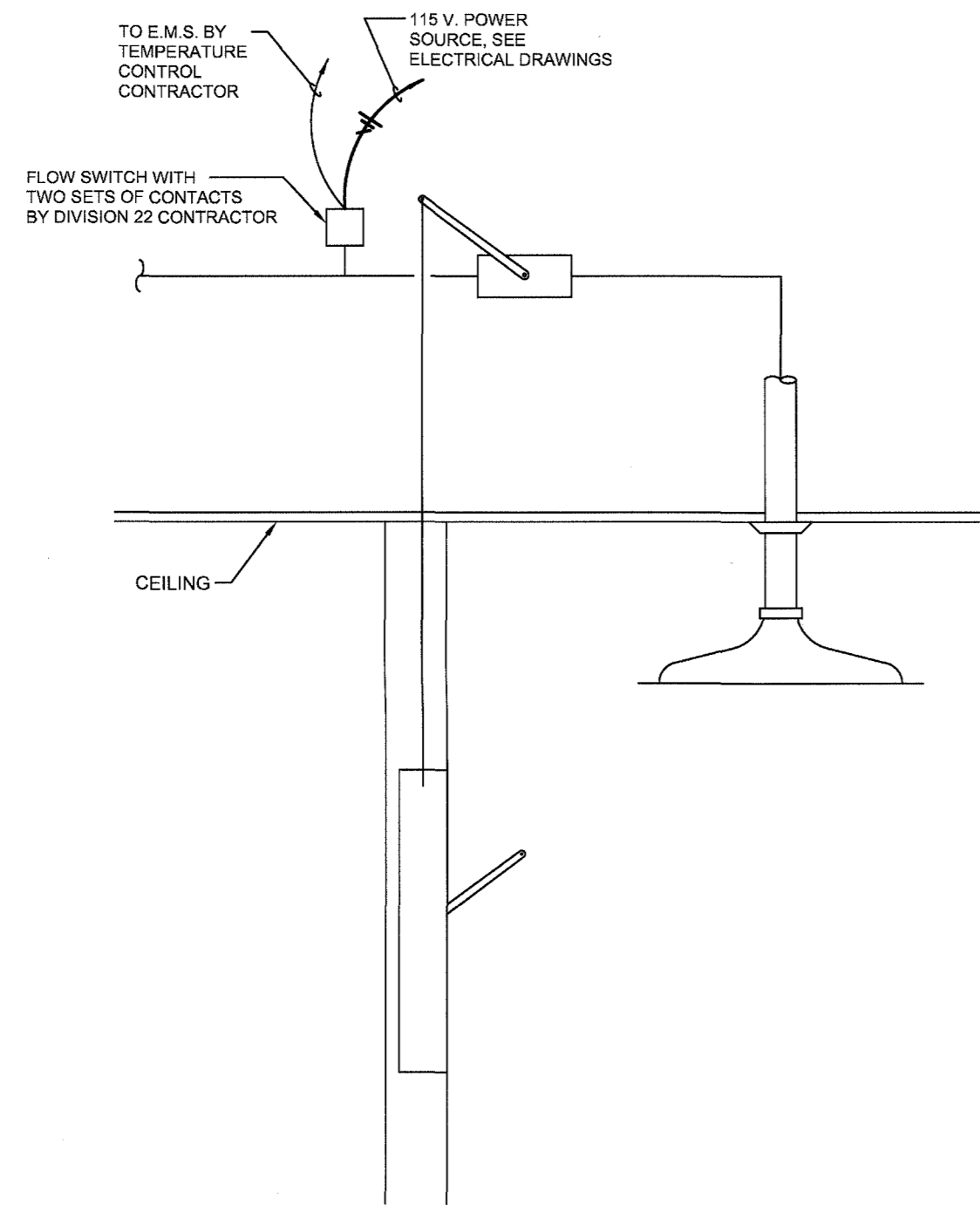
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E.4

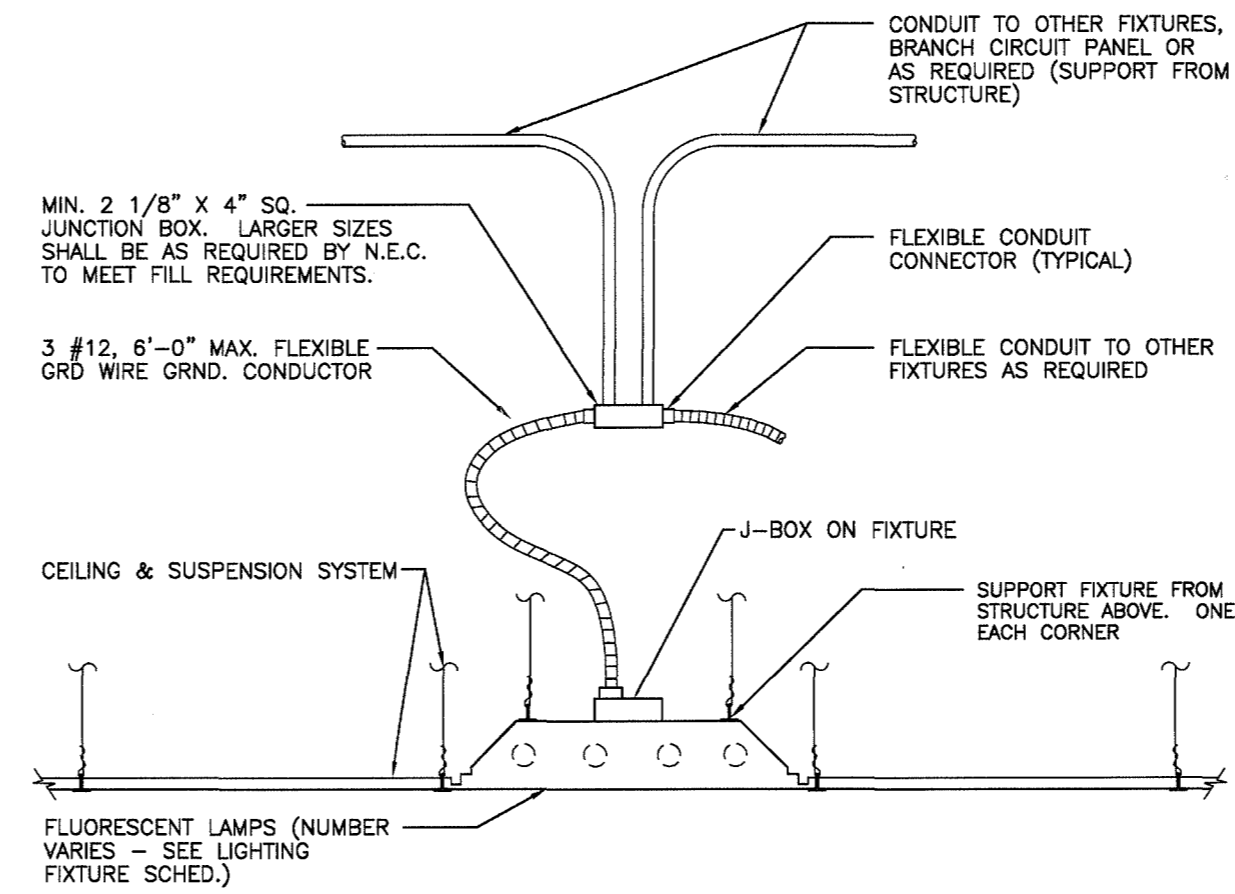


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(606) 271-2346

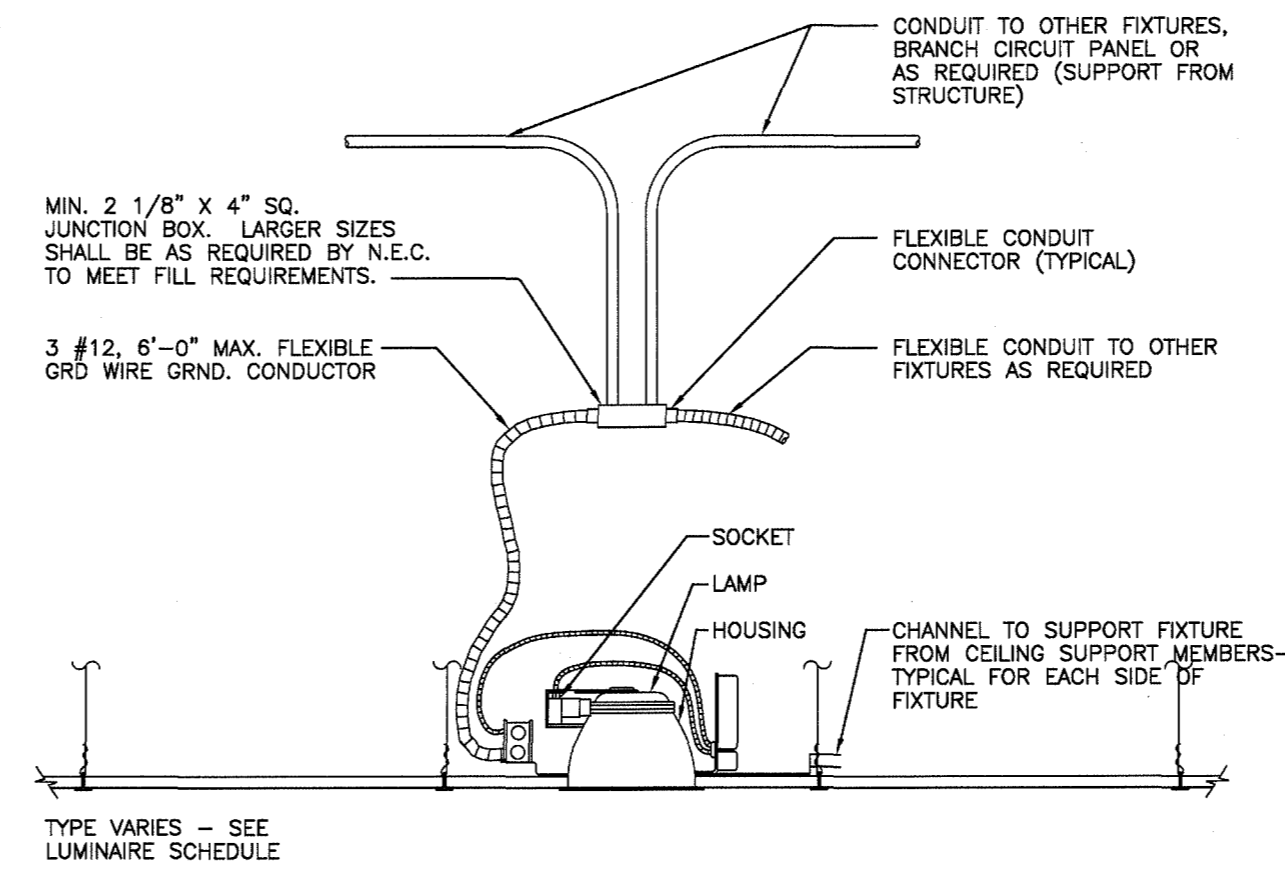
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TYPICAL EMERGENCY SHOWER WIRING DETAIL
NO SCALE



TYPICAL RECESSED FLUORESCENT LUMINAIRE CONNECTION DETAIL
NO SCALE



TYPICAL COMPACT RECESSED FLUORESCENT LUMINAIRE CONNECTION
NO SCALE

GENERAL NOTES:

WHERE THERMOSTATS ARE SHOWN IN THE SAME VICINITY AS LIGHT SWITCHES, INSTALL THERMOSTAT CENTERED ABOVE LIGHT SWITCHES.

LIGHTS IN MECHANICAL SPACES SHALL BE LOCATED SO AS TO CLEAR PIPING, DUCTWORK AND EQUIPMENT ON CEILING.

ROUGHING-IN FOR ELECTRIC DRINKING FOUNTAINS (WATER COOLERS) SHALL BE PERFORMED IN ACCORDANCE WITH SHOP DRAWINGS FURNISHED BY THE MANUFACTURER.

ROUGHING-IN FOR CABINET HEATERS SHALL BE DONE IN ACCORDANCE WITH SHOP DRAWINGS OBTAINED FROM THE MANUFACTURER.

ELECTRICAL CONTRACTOR SHALL COORDINATE HEIGHT OF RECEPTACLES AT ALL CASEWORK LOCATIONS TO AVOID CONFLICTS. ALL OUTLETS SHALL BE ROUGHED-IN IN ACCORDANCE WITH ARCHITECTURAL ELEVATIONS. EXACT LOCATION OF ALL OUTLETS SHALL BE AS DIRECTED BY THE OWNER.

FOR EXACT LOCATION OF ALL CEILING LIGHTS AND OUTLETS IN CEILING - SEE ARCHITECTURAL REFLECTED CEILING PLAN.

ALL ELECTRICAL OUTLETS SHALL BE LOCATED ON CLEAR WALL SPACES, CLEAR OF ALL SHELVING, CHALKBOARDS, JACKBOARDS, CABINET WORK, ETC. CONTRACTOR SHALL CHECK ALL DOOR SWINGS AND HE SHALL BE RESPONSIBLE FOR INSTALLING ALL ROOM LIGHT SWITCHES ASSOCIATED WITH DOORS ON THE STRIKE SIDE OF ALL DOORS REGARDLESS OF THE INDICATION ON THE ELECTRICAL DRAWINGS. OUTLETS NOT COMPLYING WITH THE ABOVE SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.

THE EQUIPMENT INSULATED GROUNDING CONDUCTORS ARE INCLUDED IN THE NUMBER OF CONDUCTORS SHOWN ON THE RISER DIAGRAM AND FLOOR PLAN. THE DIVISION 16 CONTRACTOR SHALL PROVIDE EQUIPMENT GROUNDING CONDUCTORS IN ALL FEEDERS TO GROUND BUS IN PANELBOARDS AND IN ALL CIRCUITS TO EQUIPMENT AND RECEPTACLES. SEE SPECIFICATIONS.

ALL EXTERIOR UNDERGROUND CIRCUITS SHALL BE INSTALLED WITH TOP OF CONDUIT OR CONCRETE ENCASEMENT A MINIMUM OF 24" BELOW FINISHED GRADE, UNLESS NOTED OTHERWISE.

FLEXIBLE CONDUIT SHALL BE USED FOR FIXTURE WHIPS TO LIGHT FIXTURES AND MOTORS. FLEXIBLE CONDUITS TO LIGHT FIXTURES SHALL NOT EXCEED 6'-0" AND SHALL BE A MINIMUM OF 1/2". FLEXIBLE CONDUIT TO MOTORS SHALL BE SEALTITE AND SHALL BE A MINIMUM OF 3/4" AND SHALL NOT EXCEED 25' IN LENGTH.

ALL CONDUIT SHALL BE HOMERUN TO PANELBOARDS AS INDICATED ON THE DRAWINGS. COMBINING OF CIRCUITS IN HOMERUNS WILL NOT BE ACCEPTABLE. ANY DEVIATIONS IN SUCH WORK WILL NOT BE APPROVED, EXCEPT AS REQUIRED TO MEET THE NATIONAL ELECTRICAL CODE OR BY PERMISSION OF THE ENGINEER.

FIRE ALARM SYSTEM LAYOUT IS FOR BID PURPOSES ONLY. SYSTEM SHALL BE INSTALLED AND CONNECTED IN ACCORDANCE WITH WIRING DIAGRAMS OBTAINED FROM MANUFACTURER.

COMMUNICATION OUTLETS SHALL BE INDIVIDUALLY CONNECTED TO THE CABLE TRAY WITH 1".

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ELECTRICAL DETAILS

RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR

THE CENTER FOR BIOMEDICAL ENGINEERING

UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY



1006 eastland dr., lexington, ky 40505
tel (606) 252-0112 fax (606) 252-0114

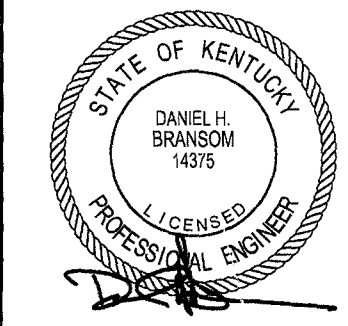


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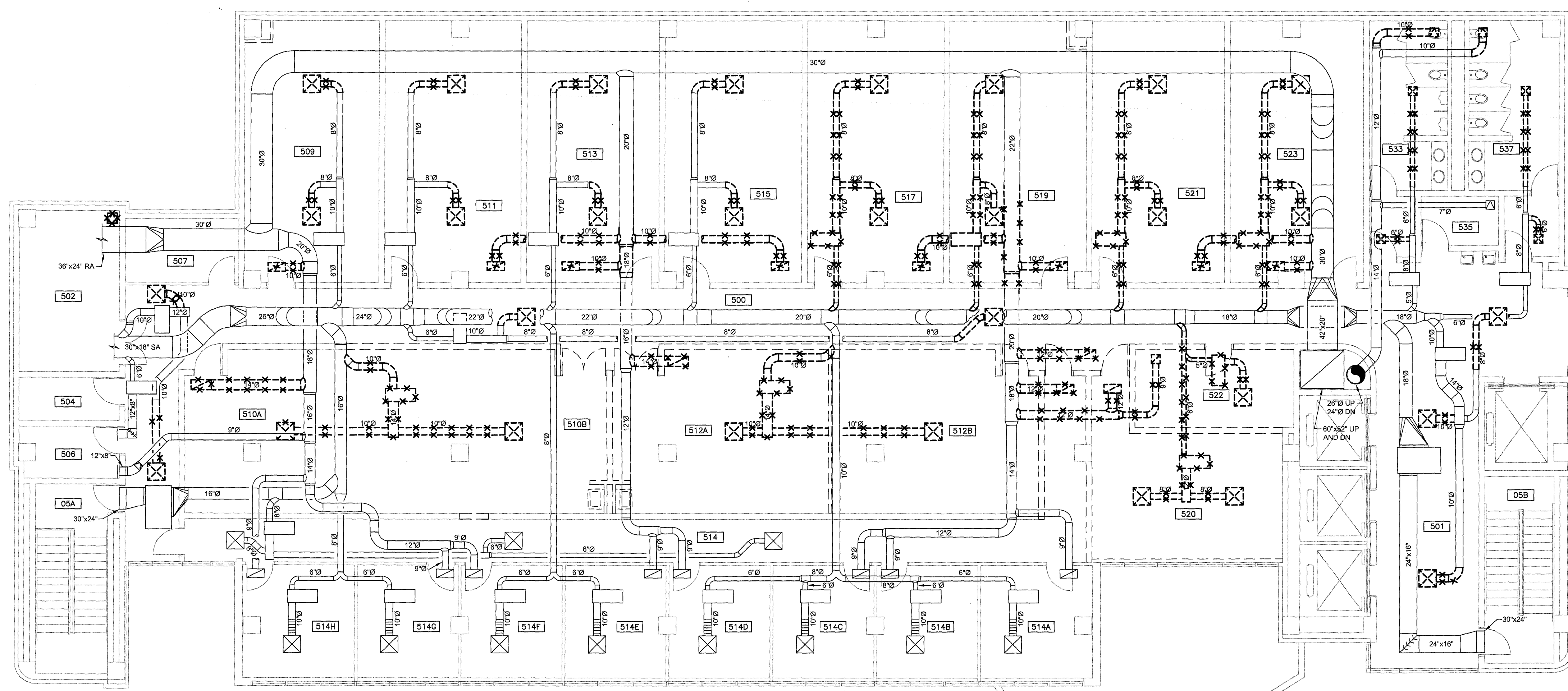
E.5

ROOM NUMBER	ROOM NAME
500	CORRIDOR
501	ELEVATOR LOBBY
502	MECHANICAL
504	ELECTRICAL
506	COMMUNICATIONS
507	SHOP
509	LAB (YU)
510A	TRIALS
510B	TRIALS
511	LAB (SUNDERAM)
512A	STUDENTS
512B	CONFERENCE
513	LAB (BAZRGARI)
514	CORRIDOR
514A	OFFICE (PATWARDHEN)
514B	OFFICE (SUNDERAM)
514C	OFFICE (YU)
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514F	OFFICE (BAZRGARI)
514G	OFFICE (EVANS)
514H	OFFICE (SHARED)
515	LAB (PATWARDHEN)
517	LAB (SHIN)
519	LAB (SHARED)
520	DIRECTOR (PULED)
521	LAB (PULED)
522	CENTER OFFICE
523	LAB (PIENKOWSKI)
533	MEN
535	JANITOR
537	WOMEN
05A	STAIR
05B	STAIR



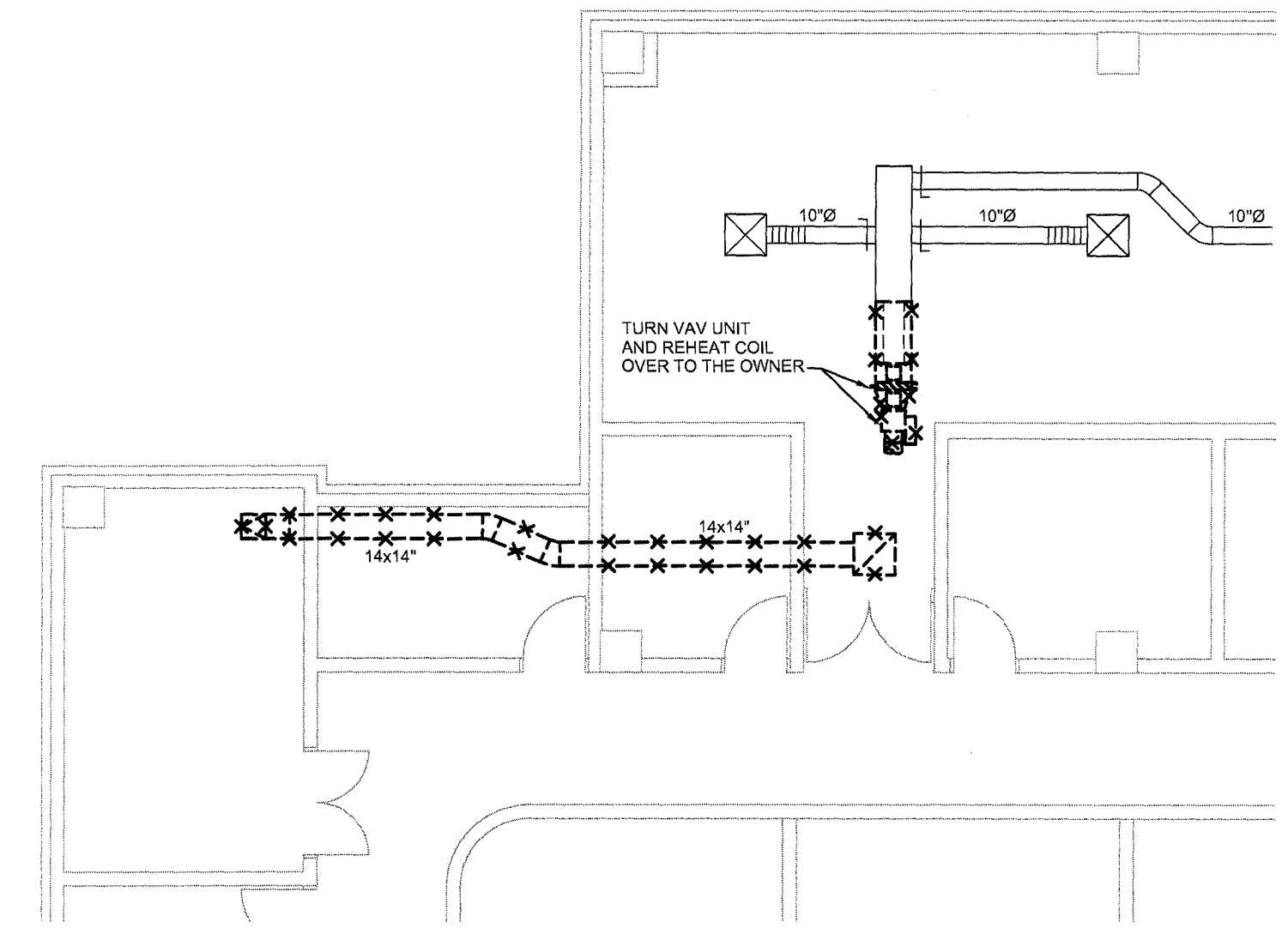
Stags and Fisher
 Consulting Engineers, Inc.
 304 Locust Drive Lexington, Kentucky 40507
 (606) 271-3248

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H.V.A.C. PLAN - 5th FLOOR - DEMOLITION

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



H.V.A.C. PLAN - 4th FLOOR - DEMOLITION

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

** 4th Floor coil replacement must be done on the weekend, or after hours*

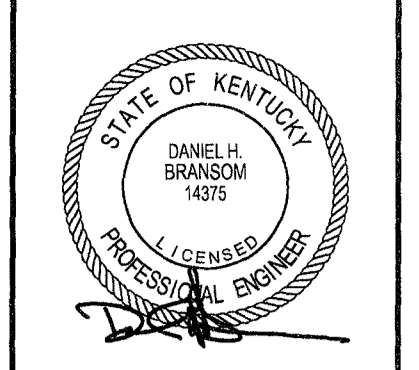
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H.V.A.C. PLAN - 5th FLOOR - DEMOLITION
 RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
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 UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY



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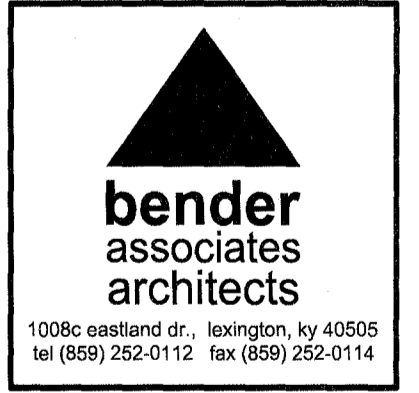
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 (606) 271-3344

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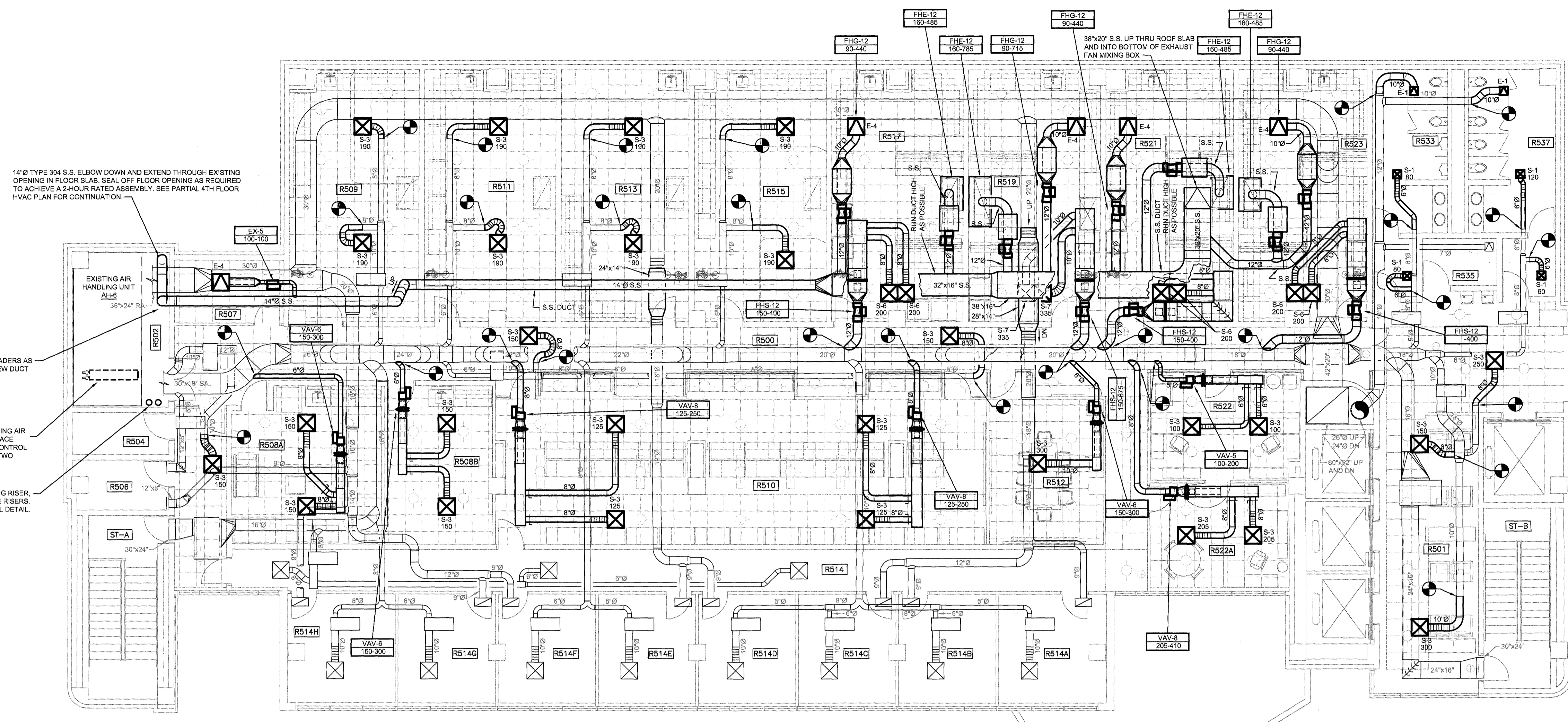
H.V.A.C. PLAN - 5th FLOOR - NEW WORK
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 THE CENTER FOR BIOMEDICAL ENGINEERING
 UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY



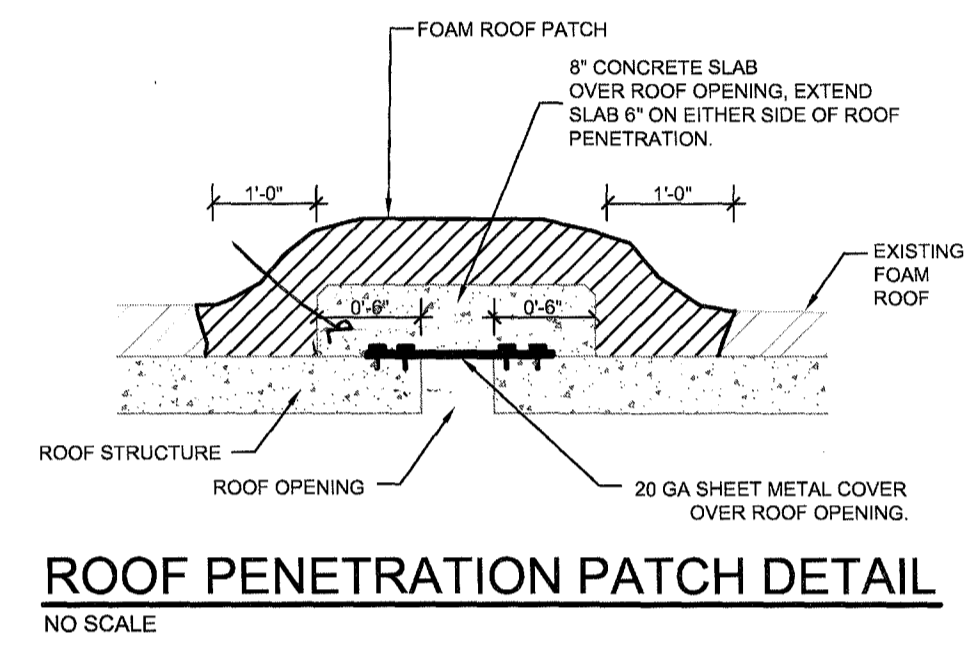
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H.1

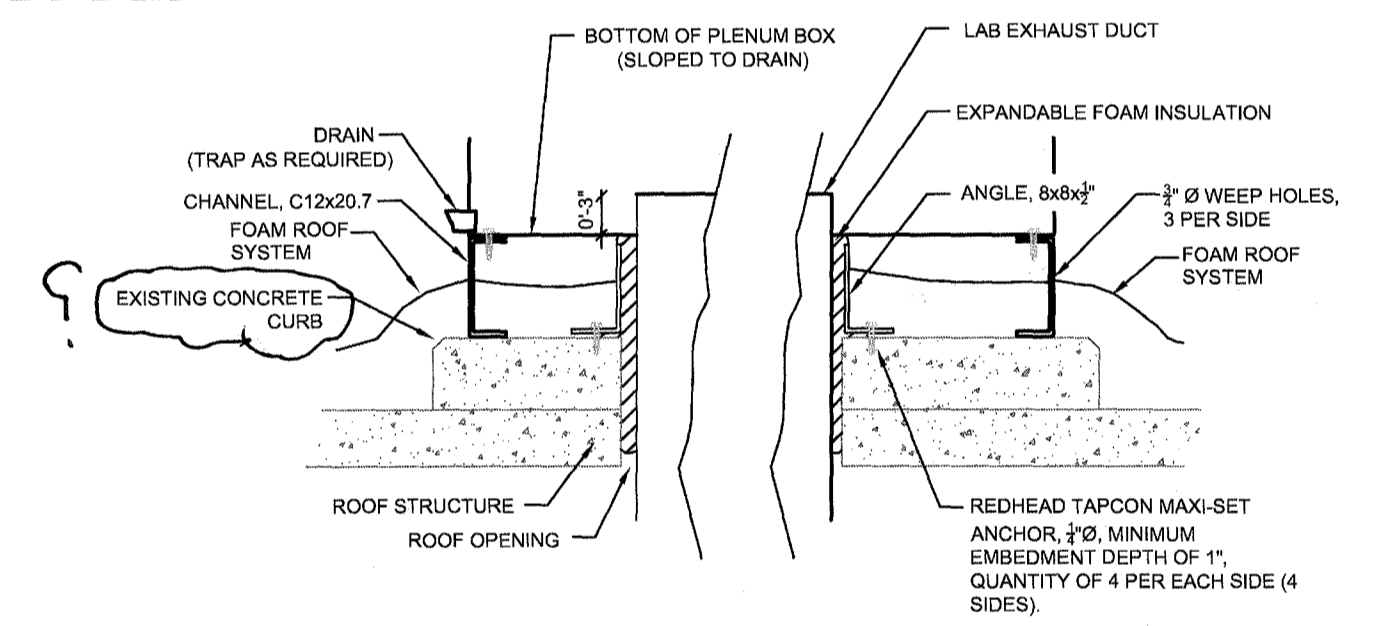
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R500	CORRIDOR
R501	ELEVATOR LOBBY
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R507	SHOP
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R514H	OFFICE (SHARED)
R515	LAB (PATWARDEN)
R517	LAB (SHIN)
R519	LAB (SHARED)
R521	LAB (PULEO)
R522	CENTER OFFICE
R522A	DIRECTOR (PULEO)
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R533	MEN
R535	JANITOR
R537	WOMEN
ST-A	STAIR
ST-B	STAIR



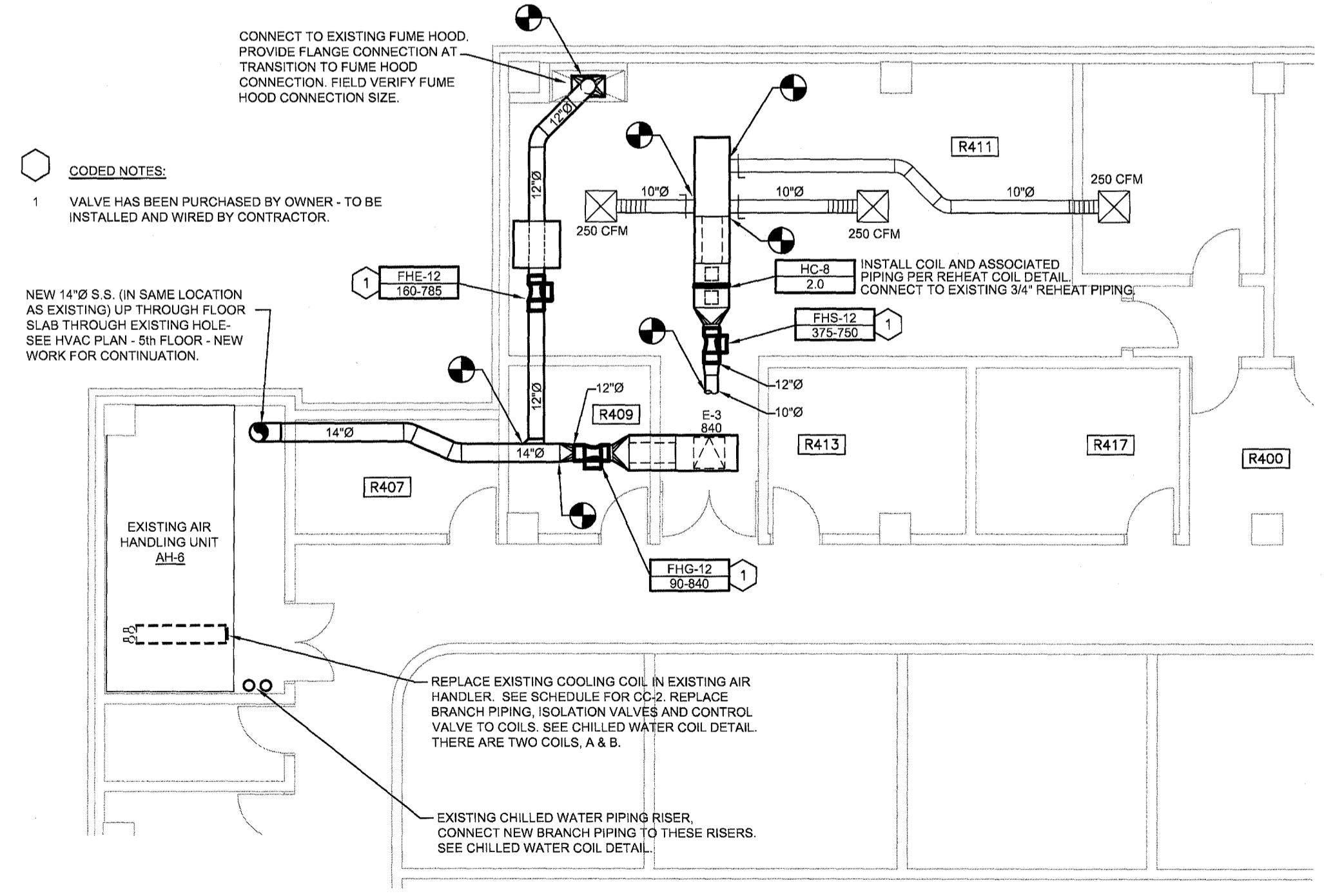
H.V.A.C. PLAN - 5th FLOOR - NEW WORK
 SCALE: 1/8" = 1'-0"



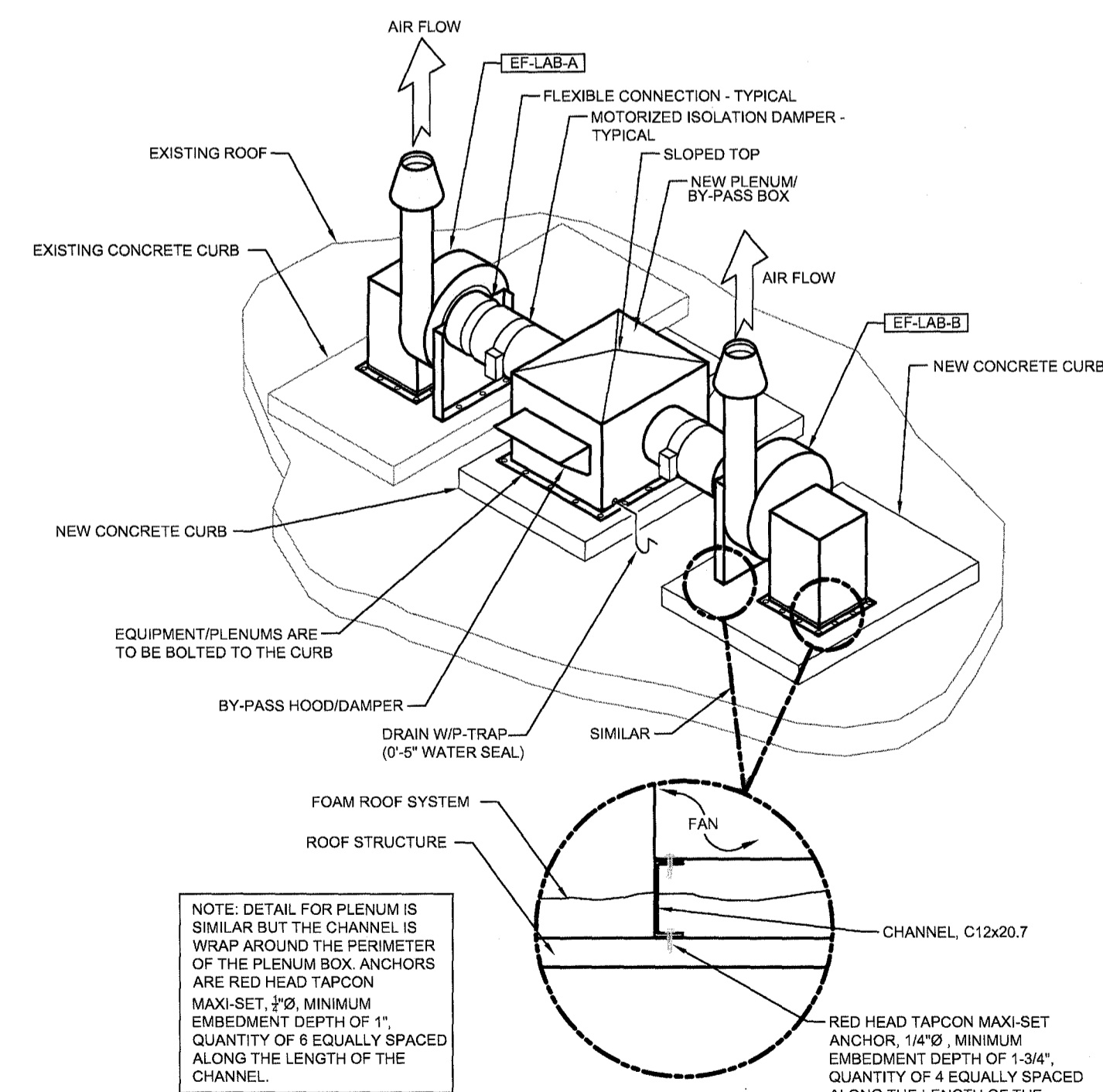
ROOF PENETRATION PATCH DETAIL
 NO SCALE



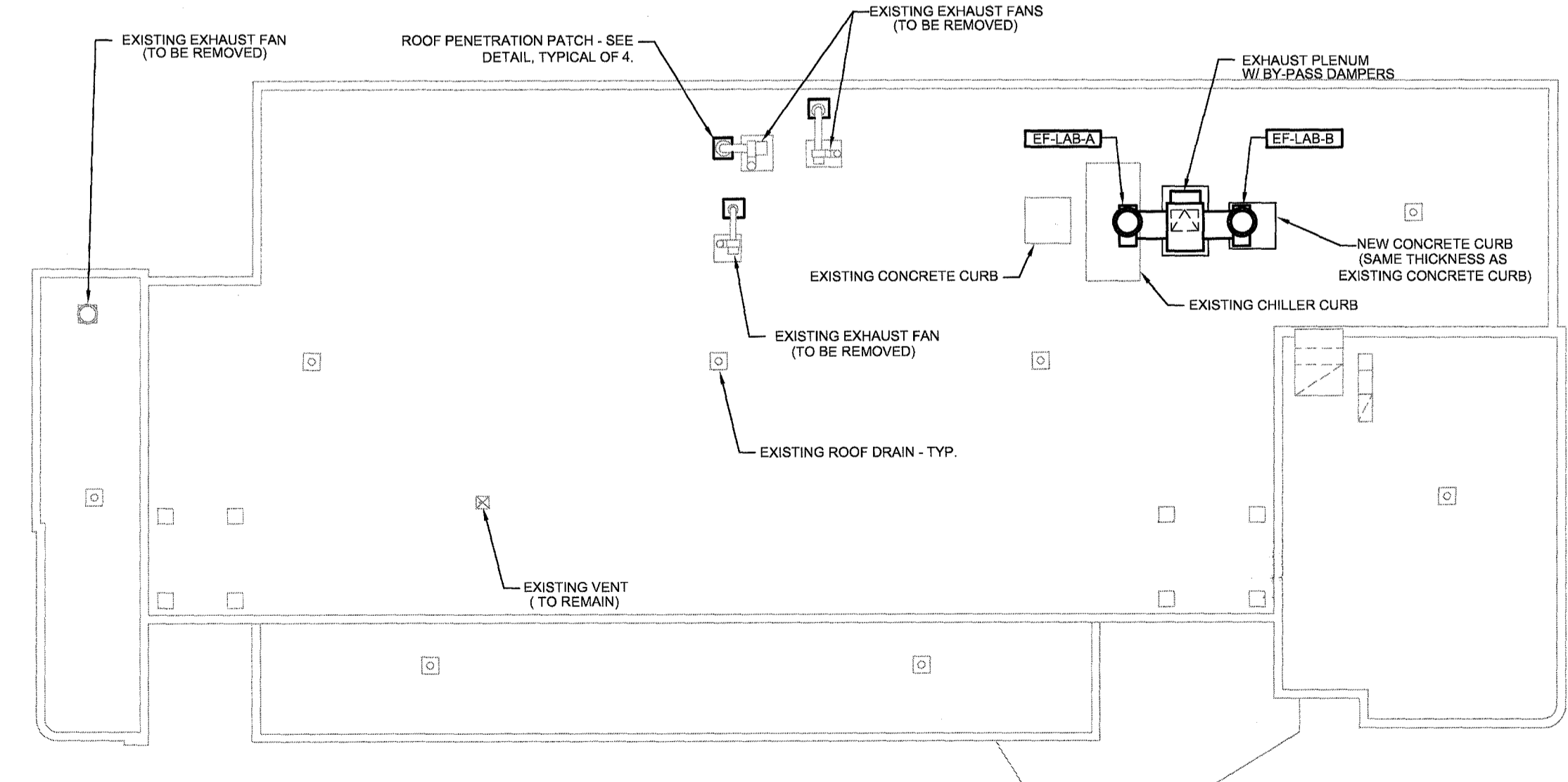
LAB EXHAUST DUCT ROOF PENETRATION
 NO SCALE



H.V.A.C. PLAN - PARTIAL 4th FLOOR - NEW WORK
 SCALE: 1/16" = 1'-0"

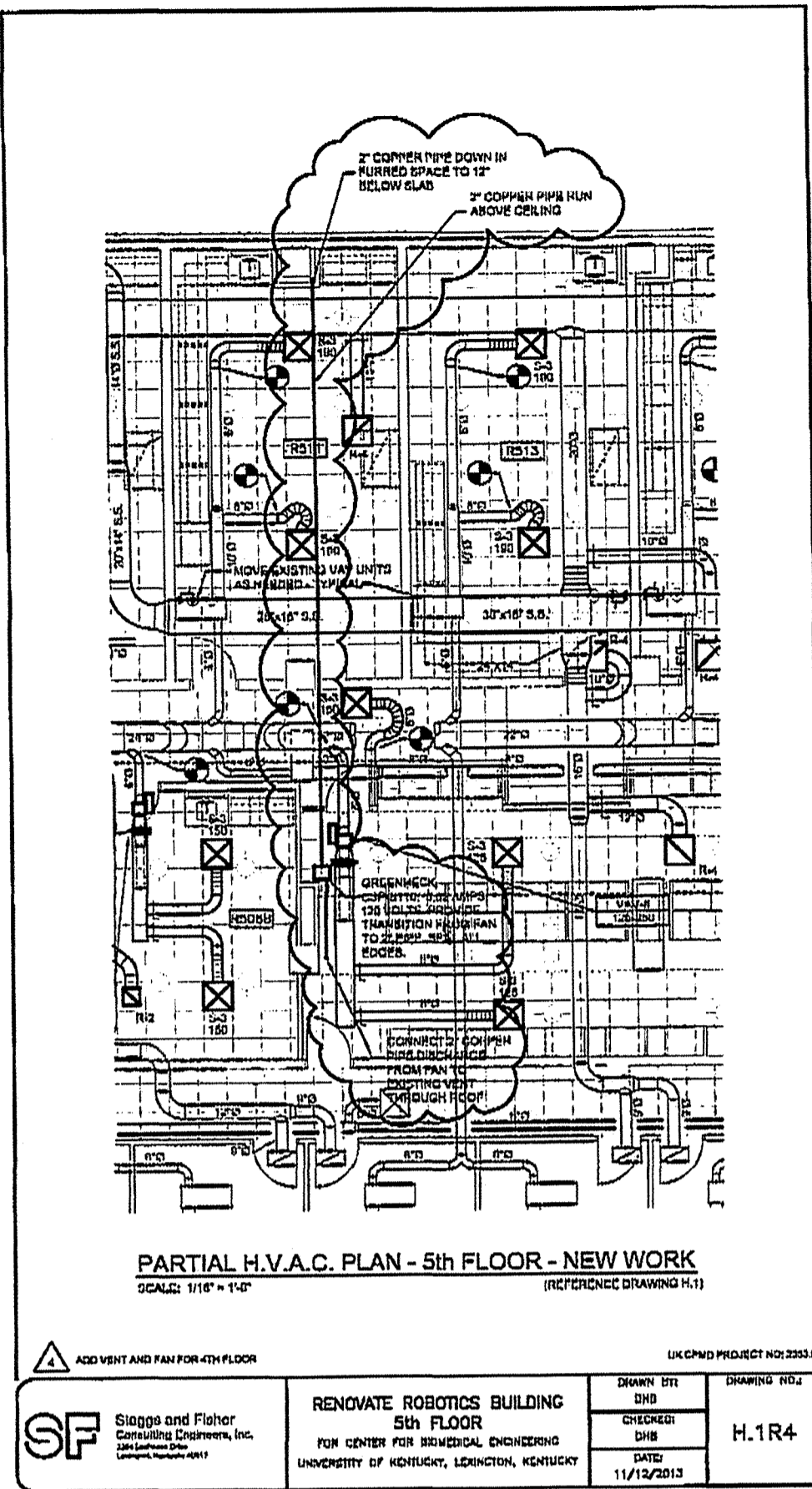


LAB EXHAUST FAN DETAIL
 NO SCALE



H.V.A.C. PLAN - ROOF - NEW WORK
 SCALE: 1/16" = 1'-0"

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HONEYCUTT MECHANICAL CONTRACTORS, INC.

1425 Delaware Ave.
P. O. Box 55651
Lexington KY 40555
859-233-4435
859-255-5539/fax

October 31, 2014

Finney Co.
Lexington KY

Attn: Mr. Tom Finney

Re: Robotics Duct Changes

We propose to modify the fume hood exhaust system to accommodate future tie-in of hoods in Room 509 to 515 as follows:

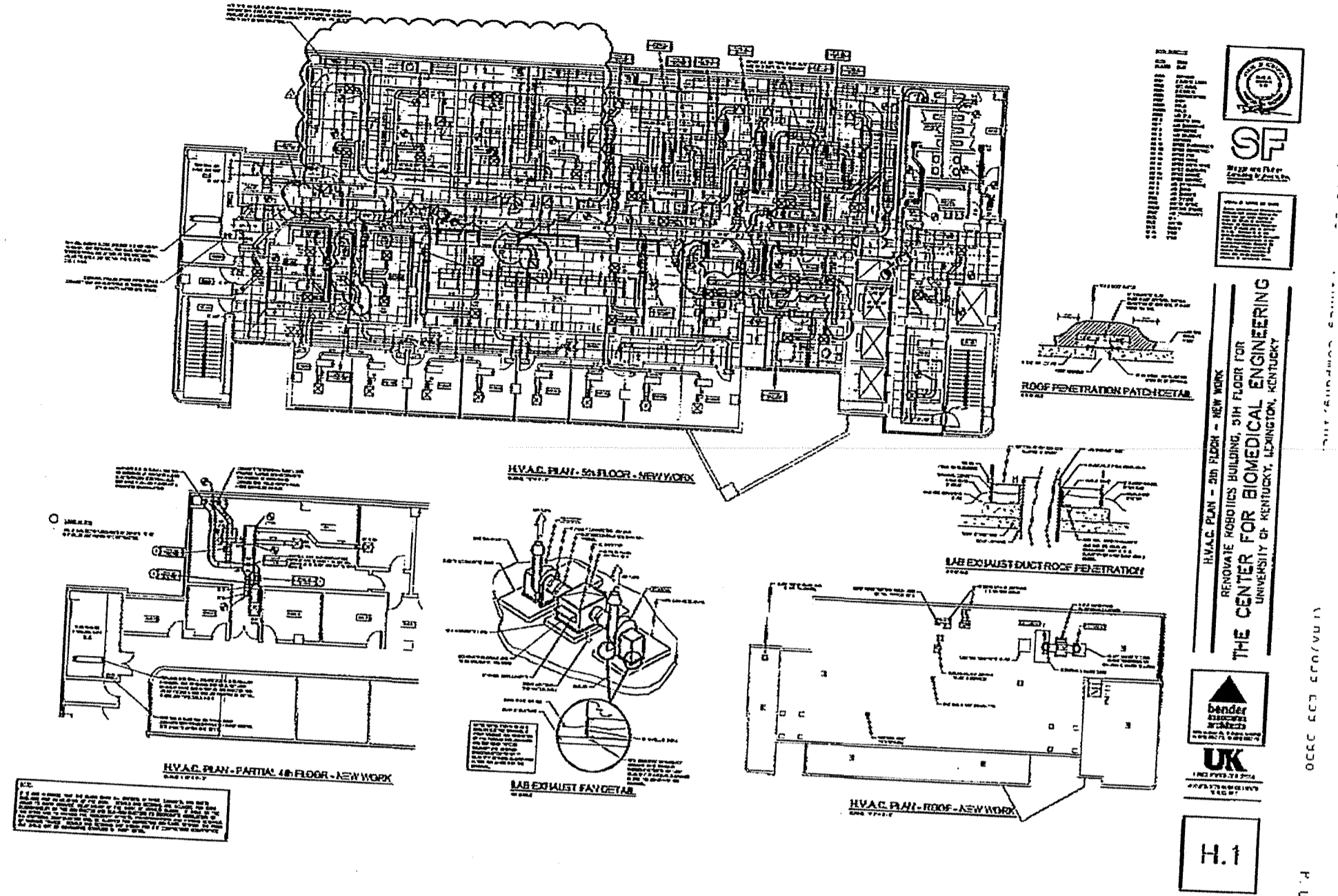
1. We will relocate (4) existing VAV boxes forward to allow the revised exhaust duct to tie to the new existing duct running to the 4th floor. Mike Davis confirmed that he has allowed for this box relocation.
 2. We will make necessary modifications to existing inlet and outlet ductwork to the (4) boxes.
 3. We will reinstall the (8) diffusers that were removed during demolition of ceiling by Marillia's demo crew.
 4. We are allowing credit for the 14" round ductwork that has not been prefabricated.
 5. Add (5) exhaust grills and their ductwork per original change order plan
- \$ 19,640.00

Alternate: If the 8 diffusers that were removed during Marillia's demo are not available, we will furnish for \$536.00.

Thank you for the opportunity to be of service to you and if any additional information, please advise.

Sincerely,

Joseph F. Moore, PE
President



REQUEST FOR QUOTE - RFQ-010
13 November 2013

Robotics Building Renovation, 5th Floor
University of Kentucky
CPMD Project #: 2353.0

TO: Josh Marillia, Project Manager
Marillia Design & Construction

FROM: Larry A. Bender

COPIES: Keith Ingram - UK CPMD

THE BIDDING AND GENERAL DOCUMENTS, TECHNICAL SPECIFICATIONS AND DRAWINGS ARE CHANGED IN ACCORDANCE WITH THE FOLLOWING. PLEASE SUBMIT A PRICE PROPOSAL BASED ON THE CHANGE ORDER INFORMATION AND ANY ACCOMPANYING DRAWINGS FOR APPROVAL AND INCLUSION INTO THE CONTRACT.

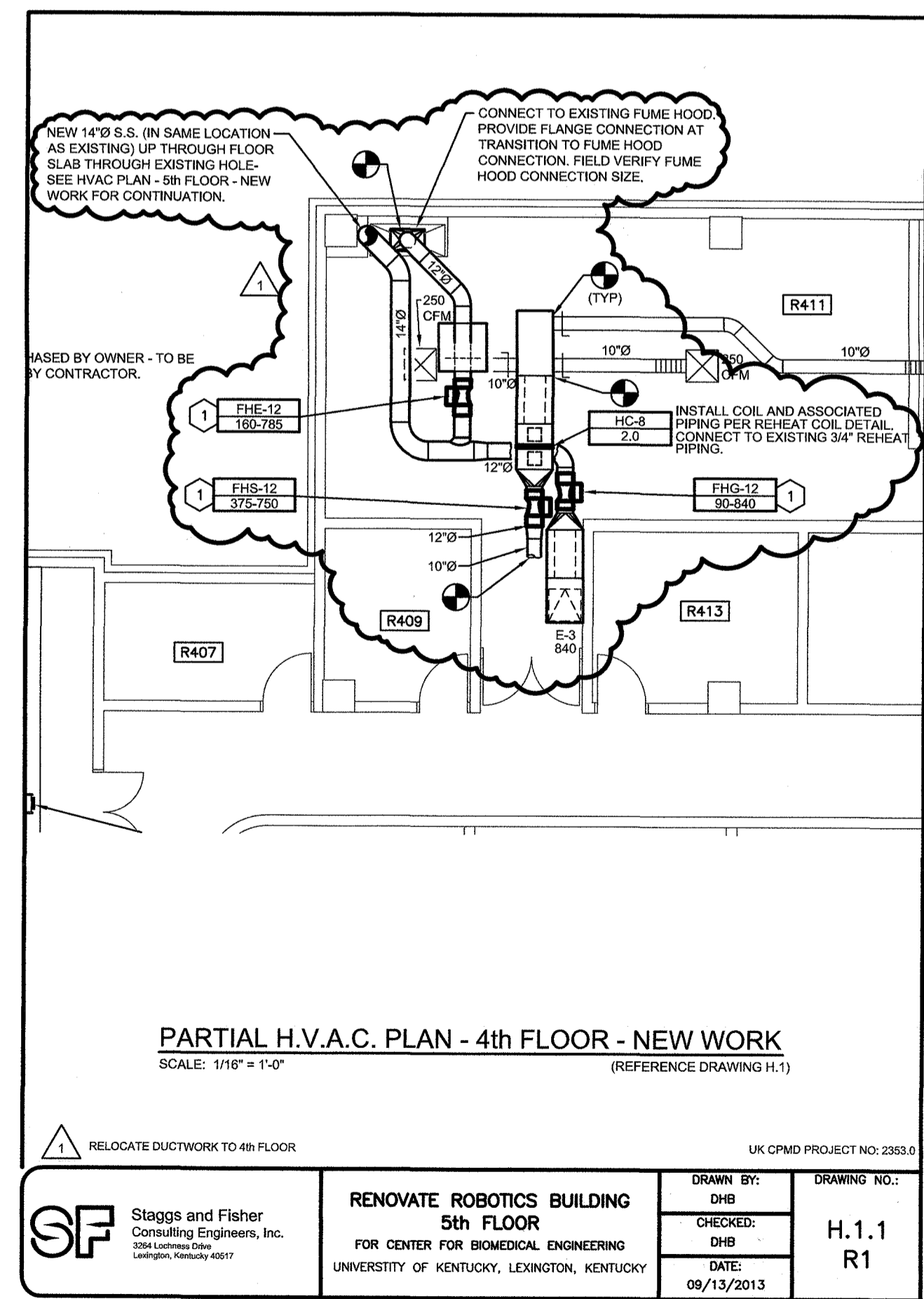
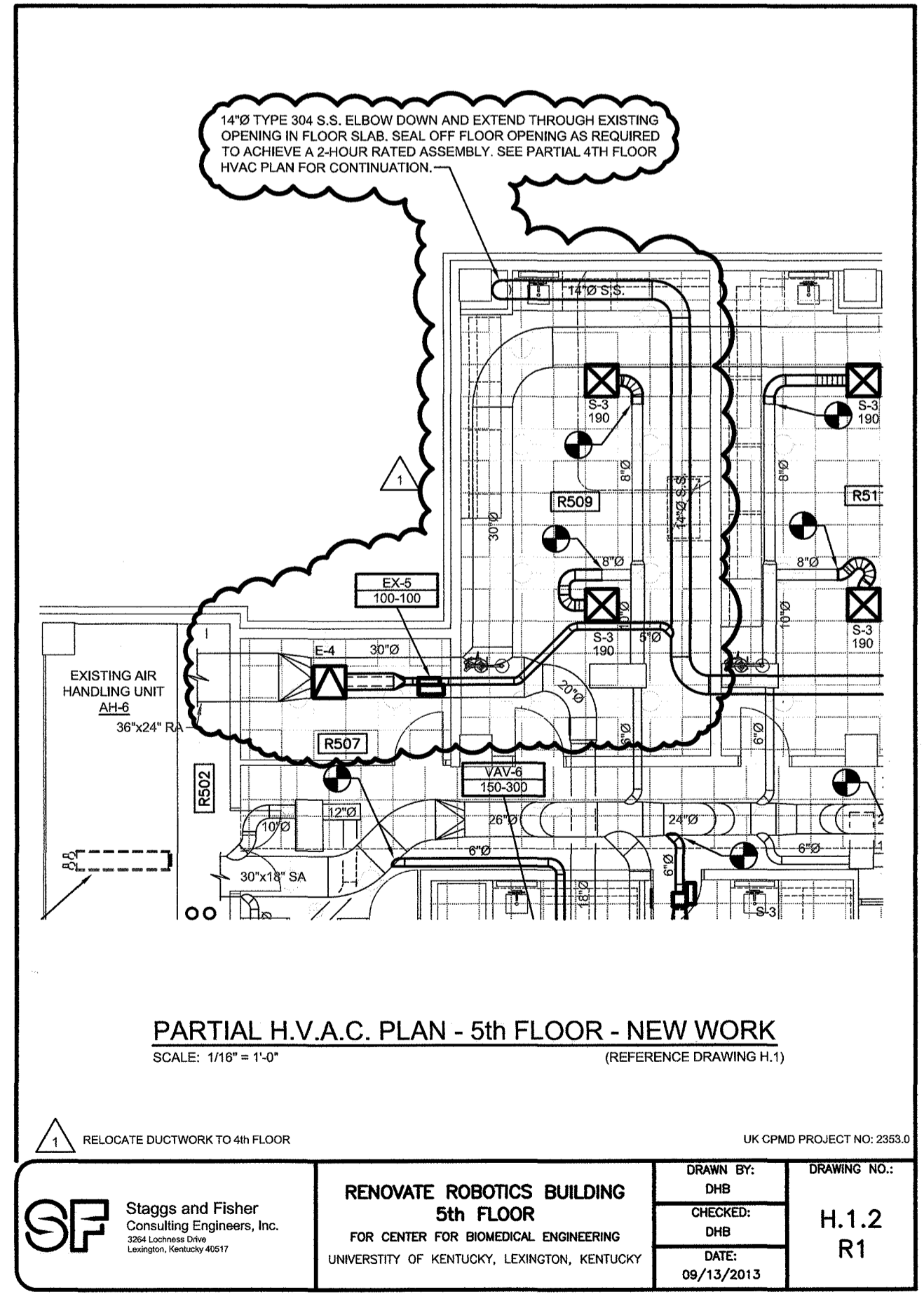
MECHANICAL
See attached Revised Mechanical Plan H1.1R4. Please price the following:

1. Route new 2" copper ventilation pipe above ceiling as shown on plan.
2. Copper pipe to extend down chase space in Lab R511 through the floor and extend 12" below the slab. UK PPD will make the final connections in the 4th floor lab.
3. Provide Greenheck CSP-B10, 0.62 amps, provide 120 volt. Provide transition from fan to 2" copper pipe. Seal all connections.
4. Connect 2" copper discharge pipe from fan to existing vent through roof.

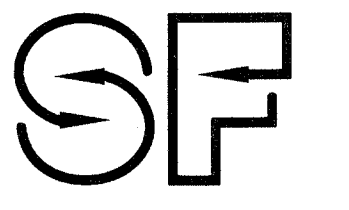
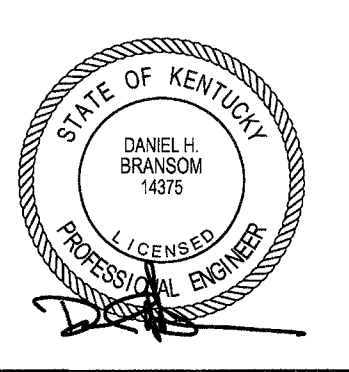
ELECTRICAL
See attached Revised Electrical Plan E1.3R1. Please price the following work:

5. Provide power to new ventilation as shown.

END OF REQUEST FOR QUOTE

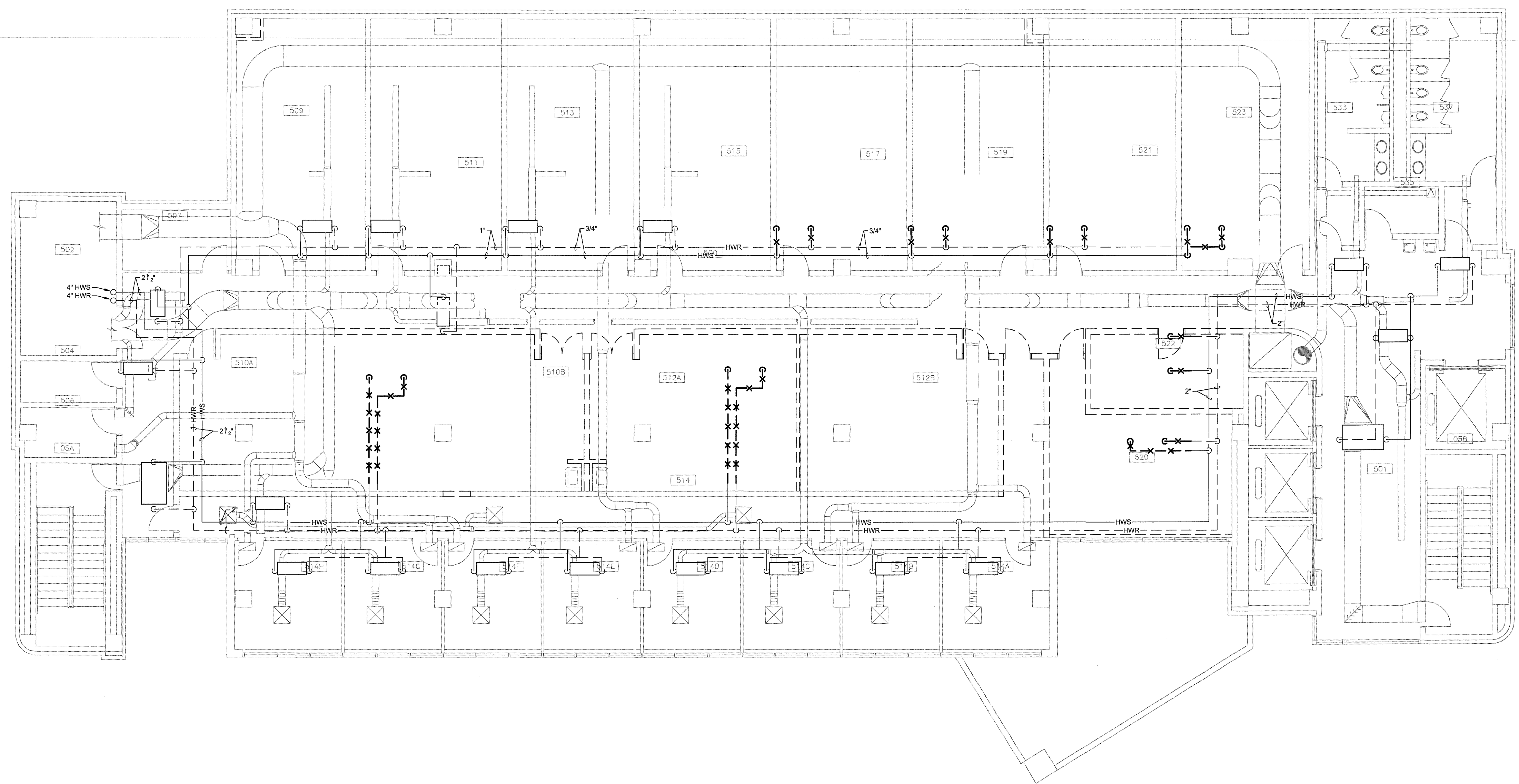


ROOM NUMBER	ROOM NAME
500	CORRIDOR
501	ELEVATOR LOBBY
502	MECHANICAL
504	ELECTRICAL
506	COMMUNICATIONS
507	SHOP
509	LAB (YU)
510A	TRIALS
510B	TRIALS
511	LAB (SUNDERAM)
512A	STUDENTS
512B	CONFERENCE
513	LAB (BAZRGAR)
514	CORRIDOR
514A	OFFICE (PATWARDHEN)
514B	OFFICE (SUNDERAM)
514C	OFFICE (YU)
514D	OFFICE (SHIN)
514E	OFFICE (PIENKOWSKI)
514F	OFFICE (BAZRGAR)
514G	OFFICE (EVANS)
514H	OFFICE (SHARED)
515	LAB (PATWARDHEN)
517	LAB (SHIN)
519	LAB (SHARED)
520	DIRECTOR (PULED)
521	LAB (PULED)
522	CENTER OFFICE
523	LAB (PIENKOWSKI)
533	MEN
535	JANITOR
537	WOMEN
05A	STAIR
05B	STAIR



Slaggs and Fisher
Consulting Engineers, Inc.
204 Louisville Blvd., Lexington, Kentucky 40507
(606) 271-3248

WARNING OF PARTIAL SET REVIEW
General Contractors and Subcontractors bidding on work shown on the inside sheet are hereby required to review the full set of construction drawings, the Specifications, Notes and addenda (if any) prior to submission of a bid. Submission of bid shall serve as certification by all contractors of their comprehensive review of the complete Construction Documents Set listed above. Failure to review all Contract Documents, regardless of room, shall not be reason for adjustment of the contract amount.



H.V.A.C. PIPING PLAN - 5th FLOOR - DEMOLITION
SCALE: 1/8" = 1'-0"

NOTE:
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H.V.A.C. PIPING PLAN - 5th FLOOR - DEMOLITION
 RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
THE CENTER FOR BIOMEDICAL ENGINEERING
 UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY



1008c eastland dr., lexington, ky 40505
tel (859) 252-0112 fax (859) 252-0114

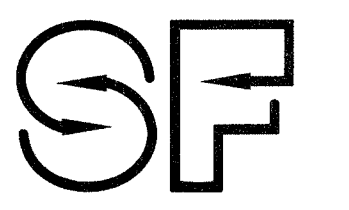
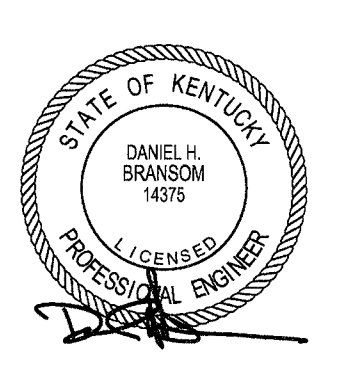


CPMD PROJECT #: 2353.0

CONSTRUCTION DOCUMENTS
23 MAY 2013

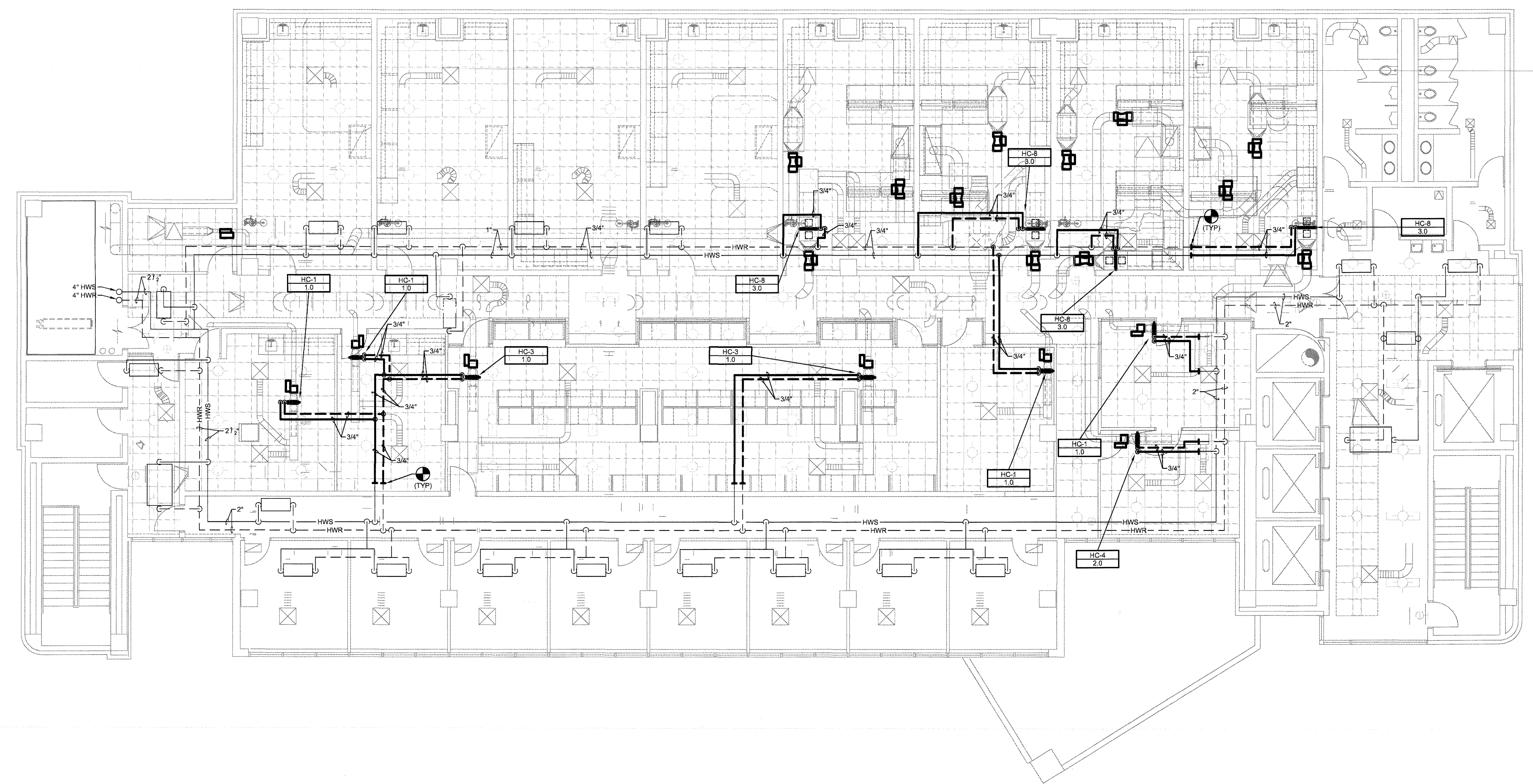
H.2

ROOM NUMBER	ROOM NAME
R500	CORRIDOR
R501	ELEVATOR LOBBY
R502	MECHANICAL
R504	ELECTRICAL
R506	COMMUNICATIONS
R507	SHOP
R508A	TRIALS
R508B	TRIALS
R509	LAB (YU)
R510	STUDENT AREA
R511	LAB (SUNDERAM)
R512	CONFERENCE
R513	LAB (BAZDAR)
R514	CORRIDOR
R514A	OFFICE (PATWARDHEN)
R514B	OFFICE (SUNDERAM)
R514C	OFFICE (YU)
R514D	OFFICE (SHIN)
R514E	OFFICE (PIENKOWSKI)
R514F	OFFICE (BAZDAR)
R514G	OFFICE (EVANS)
R514H	OFFICE (SHARED)
R515	LAB (PATWARDHEN)
R517	LAB (SHIN)
R519	LAB (SHARED)
R521	LAB (PULEO)
R522	CENTER OFFICE
R522A	DIRECTOR (PULEO)
R523	LAB (PIENKOWSKI)
R533	MEN
R535	JANITOR
R537	WOMEN
ST-A	STAIR
ST-B	STAIR



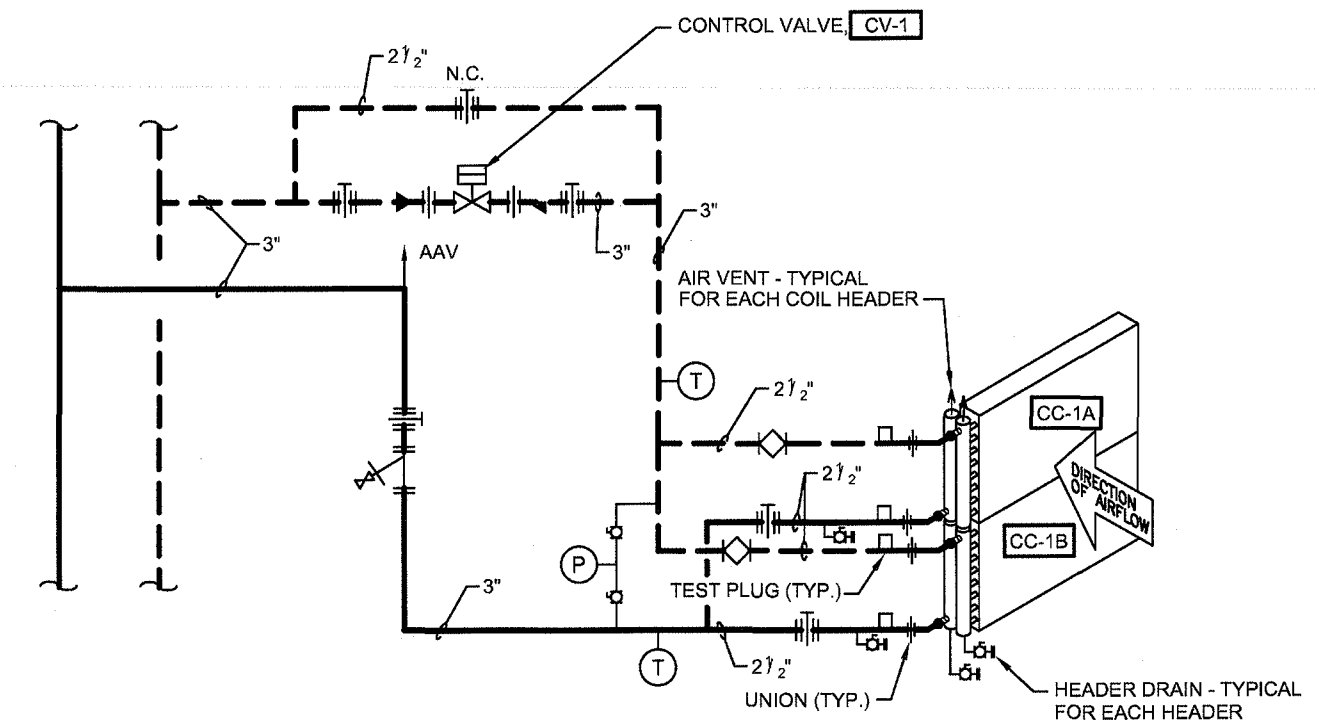
Staggs and Fisher
 Consulting Engineers, Inc.
 2301 Larchwood Drive Lexington, Kentucky 40511
 (606) 271-3246

WARNING OF PARTIAL SET REVIEW
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H.V.A.C. PIPING PLAN - 5th FLOOR - NEW WORK
 SCALE: 1/8" = 1'-0"

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H.V.A.C. PIPING DETAIL - CHILLED WATER COIL
 SCALE: NO SCALE

H.V.A.C. PIPING PLAN - 5th FLOOR - NEW WORK
 RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
THE CENTER FOR BIOMEDICAL ENGINEERING
 UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY

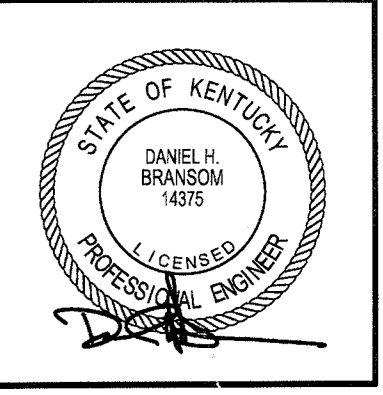


UK
 CPMD PROJECT #: 2353.0

CONSTRUCTION DOCUMENTS
 23 MAY 2013

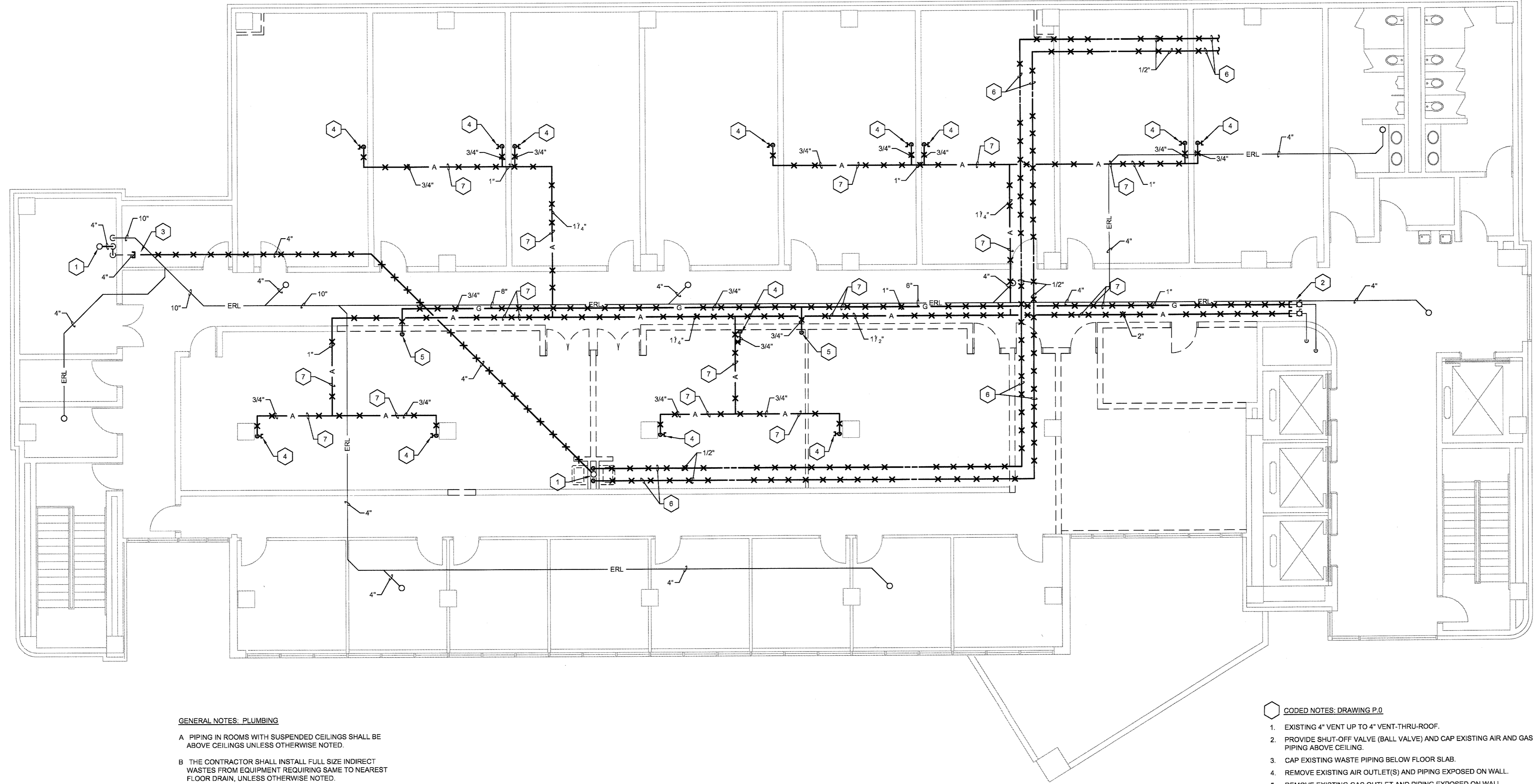
H.3

ROOM NUMBER	ROOM NAME
8000	CORRIDOR
8001	ELEVATOR LOBBY
8002	MECHANICAL
8004	ELECTRICAL
8005	COMMUNICATIONS
8007	SHOP
8008A	TRIALS (YU)
8008B	TRIALS
8008	TRIALS (YU)
8010	LAB (SUNDERAM)
802A	LAB (SUNDERAM)
802B	CONFERENCE
8033	LAB (BAZGAR)
8044	CORRIDOR
8044A	OFFICE (PATWARDHEN)
8048B	OFFICE (SUNDERAM)
8048C	OFFICE (YU)
8048D	OFFICE (SHIN)
8048E	OFFICE (PIENKOWSKI)
8048F	OFFICE (BAZGAR)
8048G	OFFICE (EVANS)
8048H	OFFICE (SHARED)
8055	LAB (PATWARDHEN)
8057	LAB (SHIN)
8059	LAB (SHARED)
8061	LAB (SHARED)
8062	LAB (SHARED)
8062A	LAB (SHARED)
8063	LAB (PIENKOWSKI)
8063	MEN
8065	WOMEN
8066	STAIR
8068	STAIR



Stags and Fisher
Consulting Engineers, Inc.
3301 Lockwood Drive Lexington, Kentucky 40517
(606) 271-5246

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- GENERAL NOTES - PLUMBING**
- A PIPING IN ROOMS WITH SUSPENDED CEILINGS SHALL BE ABOVE CEILINGS UNLESS OTHERWISE NOTED.
 - B THE CONTRACTOR SHALL INSTALL FULL SIZE INDIRECT WASTES FROM EQUIPMENT REQUIRING SAME TO NEAREST FLOOR DRAIN, UNLESS OTHERWISE NOTED.
 - C LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENT IN THE FIELD. **DO NOT SCALE THE DRAWINGS.**
 - D ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
 - E COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS TO AVOID INTERFERENCES WITH PIPING, DUCTS AND CONDUIT.
 - F INSTALL PIPING AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - G SEAL AIRTIGHT AROUND ALL PIPING PENETRATIONS THROUGH WALLS, FLOOR AND ROOF.
 - H VERIFY EXACT LOCATIONS OF ALL PLUMBING ROUGH-INS WITH ARCHITECT.
 - J SLEEVES IN FLOORS SHALL EXTEND 1" ABOVE FINISHED FLOOR AND BE CAULKED FOR WATERTIGHT INSTALLATION. SEE SPECIFICATIONS.
 - K SEE H.V.A.C. DRAWINGS FOR ADDITIONAL DETAILS APPLICABLE TO PLUMBING SYSTEM INSTALLATION.
 - L SET EQUIPMENT PRESSURE REGULATING VALVE OUTLET PRESSURE WHIRE NOTED ON DRAWINGS AT EQUIPMENT MANUFACTURER'S REQUIREMENTS.

PLUMBING PLAN - FIFTH FLOOR - DEMOLITION
SCALE: 1/8" = 1' - 0"

- CODED NOTES: DRAWING P.O.**
1. EXISTING 4" VENT UP TO 4" VENT-THRU-ROOF.
 2. PROVIDE SHUT-OFF VALVE (BALL VALVE) AND CAP EXISTING AIR AND GAS PIPING ABOVE CEILING.
 3. CAP EXISTING WASTE PIPING BELOW FLOOR SLAB.
 4. REMOVE EXISTING AIR OUTLET(S) AND PIPING EXPOSED ON WALL.
 5. REMOVE EXISTING GAS OUTLET AND PIPING EXPOSED ON WALL.
 6. REMOVE EXISTING WATER PIPING BACK TO MAINS IN PLUMBING CHASE.
 7. REMOVE EXISTING GAS AND/OR AIR PIPING ABOVE CEILING.
 8. EXISTING ROOF LEADER TO REMAIN. REMOVE EXISTING INSULATION.

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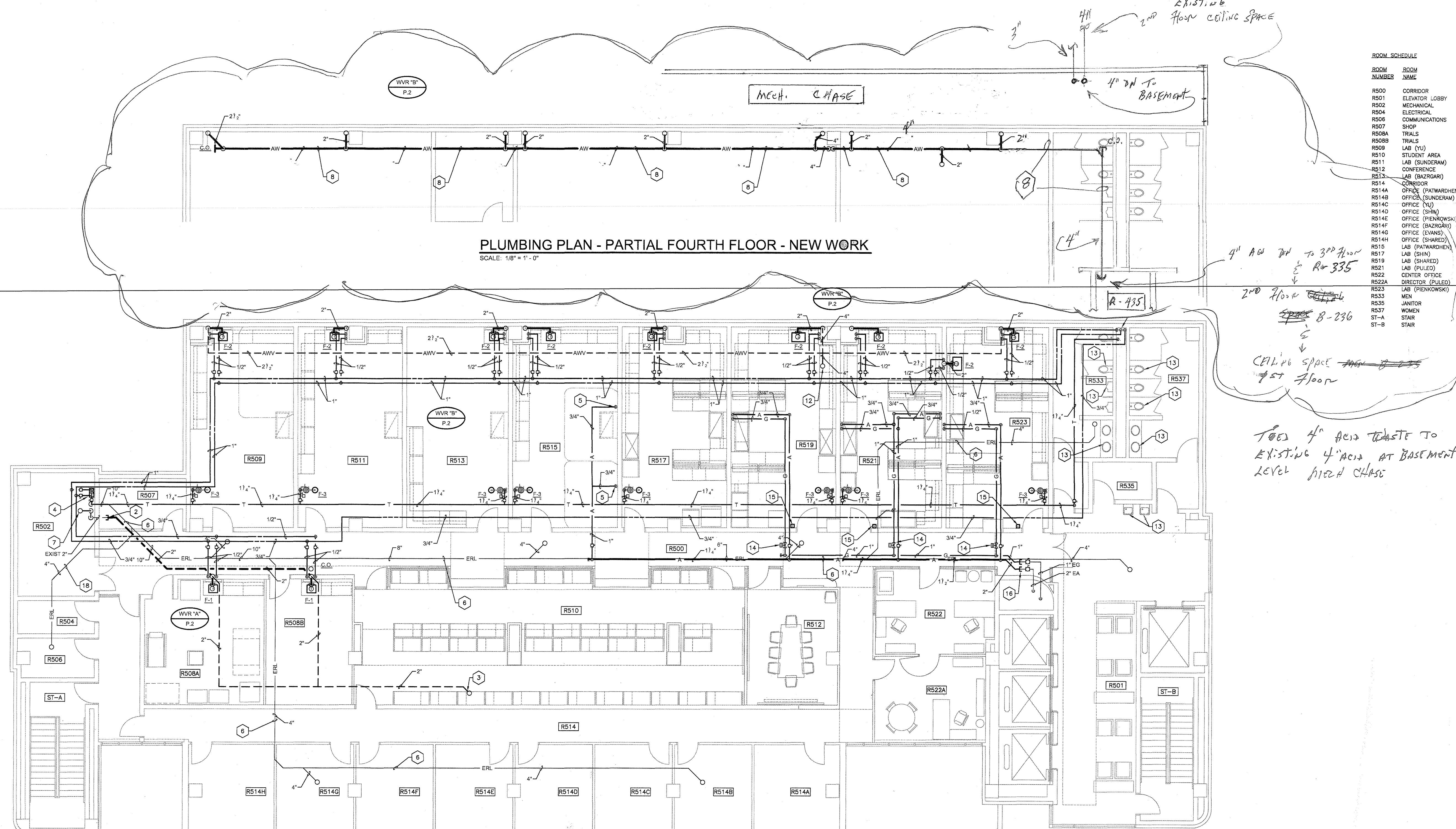
PLUMBING PLAN - FIFTH FLOOR - DEMOLITION
 RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
THE CENTER FOR BIOMEDICAL ENGINEERING
 UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY



1008c eastland dr., lexington, ky 40505
tel (859) 252-0112 fax (859) 252-0114

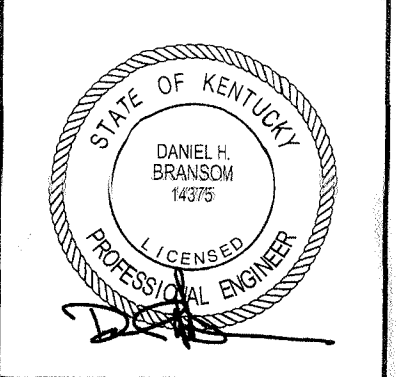
CPMD PROJECT #: 2353.0
CONSTRUCTION DOCUMENTS
23 MAY 2013

P.O.



ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
R500	CORRIDOR
R501	ELEVATOR LOBBY
R502	MECHANICAL
R504	ELECTRICAL
R505	COMMUNICATIONS
R507	SHOP
R508A	TRIALS
R508B	TRIALS
R509	LAB (TJ)
R510	FLUENT AREA
R511	LAB (SUNDERAM)
R512	CONFERENCE
R513	LAB (BARDGAR)
R514	CORRIDOR
R514A	OFFICE (PATWARDHEN)
R514B	OFFICE (SUNDERAM)
R514C	OFFICE (TJ)
R514D	OFFICE (SHN)
R514E	OFFICE (PIENKOWSKI)
R514F	OFFICE (BAZDZIOK)
R514G	OFFICE (EVANS)
R514H	OFFICE (SHARED)
R515	LAB (PATWARDHEN)
R517	LAB (SHN)
R519	LAB (SHARED)
R521	LAB (PULEO)
R522	CENTER OFFICE
R522A	DIRECTOR (PULEO)
R523	LAB (PIENKOWSKI)
R533	MEN
R535	JANITOR
R537	WOMEN
ST-A	STAIR
ST-B	STAIR

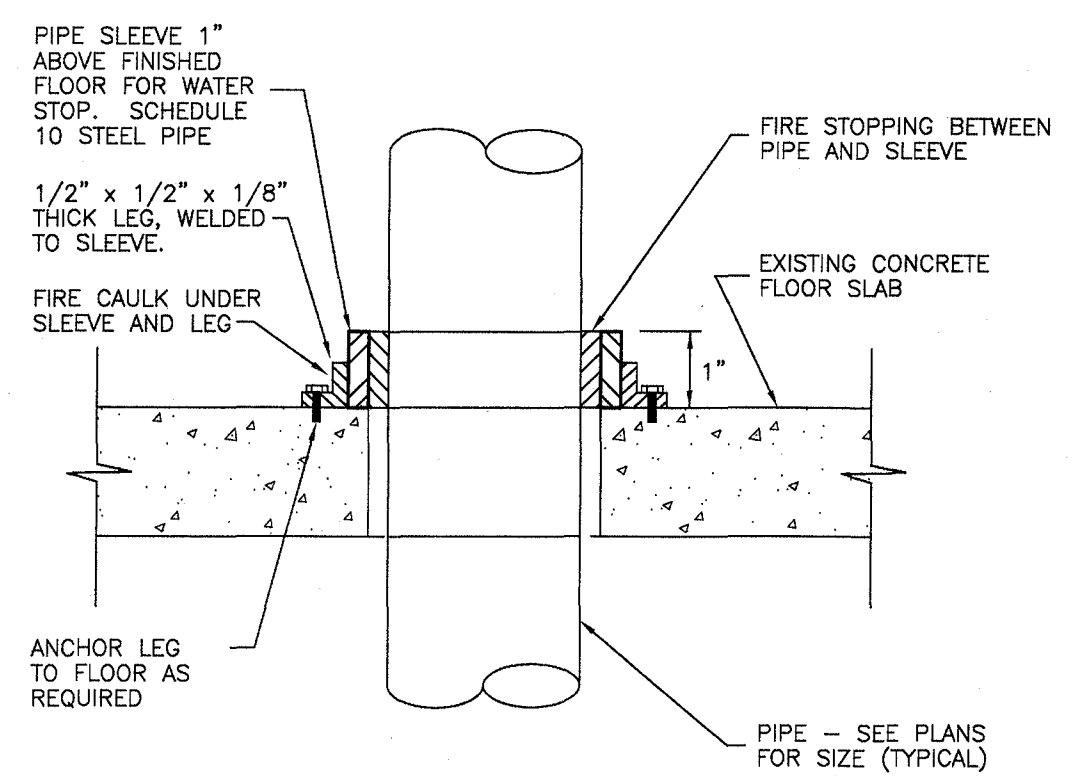


SF
 Staggs and Fisher
 Consulting Engineers, Inc.
 2501 COMMONS DRIVE Lexington, Kentucky 40503
 (606) 271-3246

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EXISTING
 2nd floor ceiling space
 4" ACID WASTE TO 3RD FLOOR
 R-435
 2nd floor ceiling space
 B-236
 CEILING SPACE ABOVE 4th FLOOR
 TOES 4" ACID WASTE TO EXISTING 4" ACID AT BASEMENT LEVEL MECH CHASE

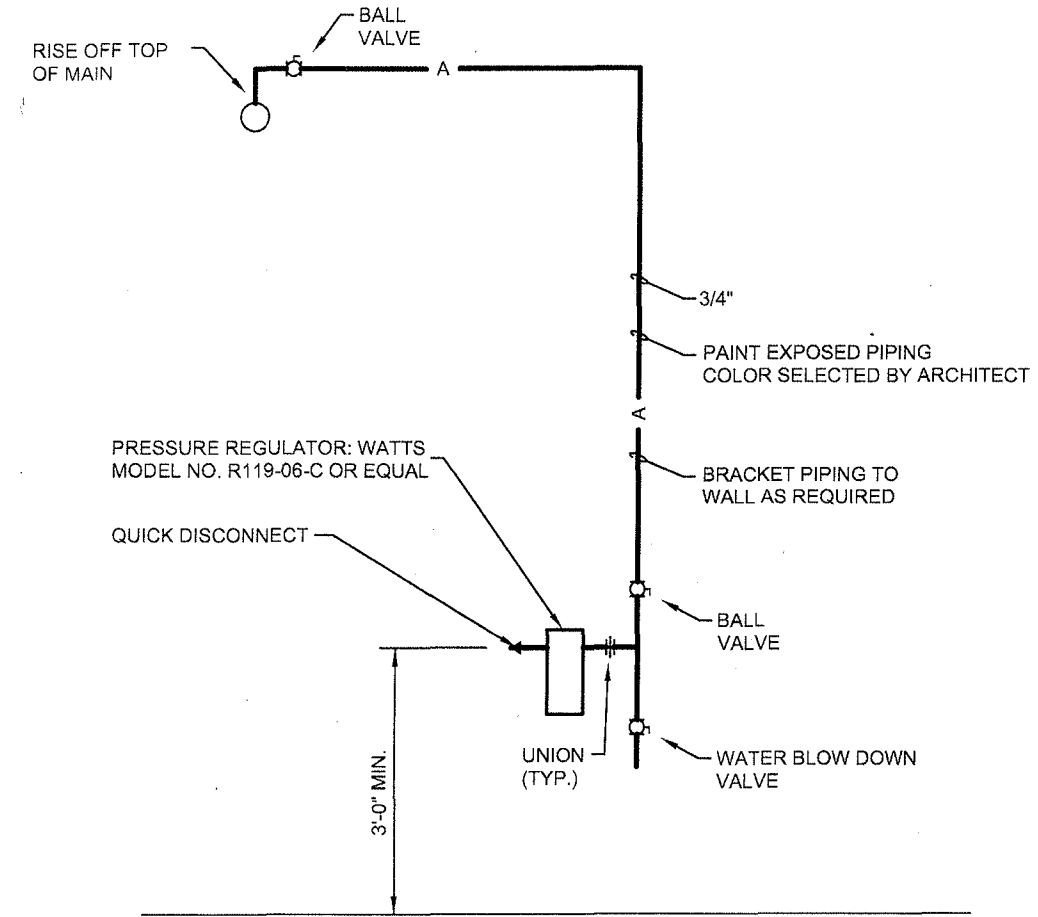
- NOTES:**
- COORDINATE WITH FIRE STOPPING MANUFACTURER TO INSURE U.L. LISTED ASSEMBLY.
 - FIRE CAULK ALL AROUND UNDER PIPE SLEEVE AND LEGS.



SLEEVE DETAIL FOR PIPING PASSING THRU EXISTING CONCRETE FLOOR SLAB
 NO SCALE

PLUMBING PLAN - FIFTH FLOOR - NEW WORK
 SCALE: 1/8" = 1' - 0"

- CODED NOTES: DRAWING P.1**
- CONNECT TO TOP OF WATER RISERS INSIDE CHASE SEE WATER RISER DIAGRAM ON DRAWING P.2.
 - CONNECT TO EXISTING 2" WASTE LINE IN FOURTH FLOOR CEILING SPACE.
 - CONNECT 2" VENT TO 4" VENT UP TO 4" VENT-THRU-ROOF IN FIFTH FLOOR CEILING SPACE.
 - TEMPERING VALVE - GUARDIAN MODEL G3802, 44 GALLON CAPACITY WITH SURFACE MOUNTED STAINLESS STEEL CABINET. FLOW RANGE SHALL BE 3 GPM TO 44 GPM AT A MAXIMUM 20 PSI DROP. UNIT SHALL BE COMPLETE WITH LOCKABLE TEMPERATURE REGULATOR AND A BUILT IN COLD WATER BY-PASS IN THE EVENT OF HOT WATER FAILURE. SET OUTLET TEMPERATURE TO 85 DEG. F.
 - AIR OUTLET ON WALL. SEE AIR DROP PIPING DETAIL ON THIS SHEET.
 - PROVIDE NEW INSULATION ON ROOF LEADER PIPING (TYPICAL). SEE SPECIFICATIONS.
 - EXISTING 4" WASTE STACK TO REMAIN.
 - NEW ACID WASTE PIPING IN FOURTH FLOOR CEILING SPACE.
 - NEW ACID WASTE PIPING IN THIRD FLOOR CEILING SPACE.
 - EXISTING 4" ACID WASTE PIPING IN CHASE BELOW FOURTH FLOOR LEVEL.
 - CONNECT NEW 4" ACID WASTE PIPING TO EXISTING 4" ACID WASTE PIPING BELOW FOURTH FLOOR LEVEL.
 - 4" ACID WASTE VENT UP TO 4" ACID WASTE VENT-THRU-ROOF.
 - EXISTING PLUMBING FIXTURE TO REMAIN (TYPICAL).
 - GAS SOLENOID VALVE FOR EMERGENCY GAS SHUT-OFF.
 - PROVIDE AN EMERGENCY KILL SWITCH TO OPERATE SOLENOID VALVE ON GAS BRANCH LINE IN CORRIDOR.
 - CONNECT NEW 1" GAS LINE AND NEW 2" AIR LINE TO EXISTING 1" GAS LINE AND EXISTING 2" AIR LINE ABOVE CEILING.



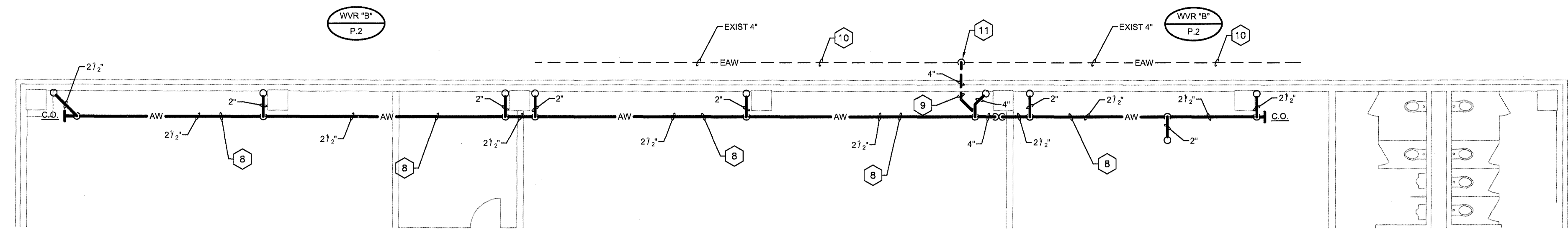
AIR DROP PIPING DETAIL
 NO SCALE

NOTE:
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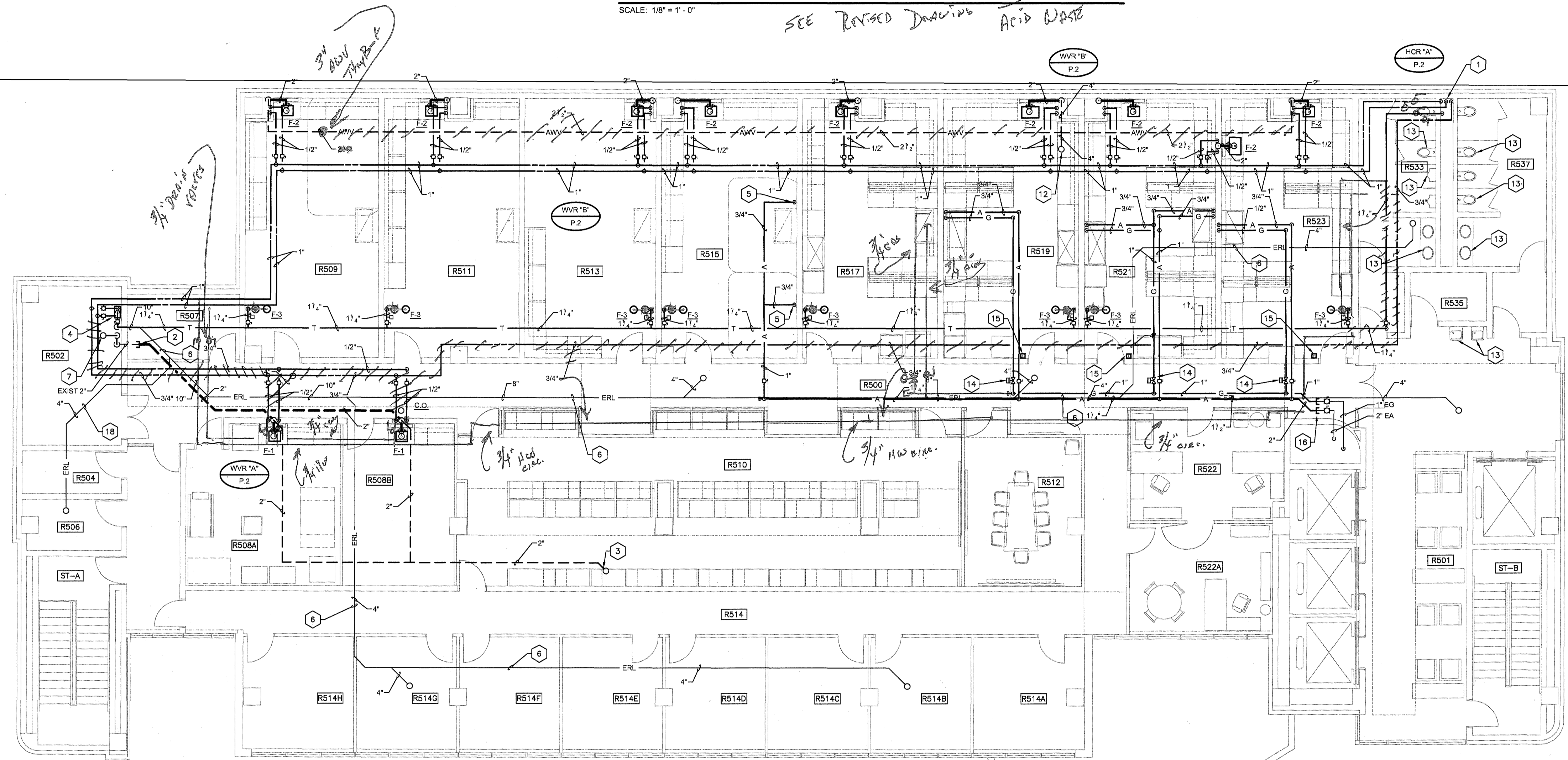
PLUMBING PLAN - FIFTH FLOOR - NEW WORK
 RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
 THE CENTER FOR BIOMEDICAL ENGINEERING
 UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY



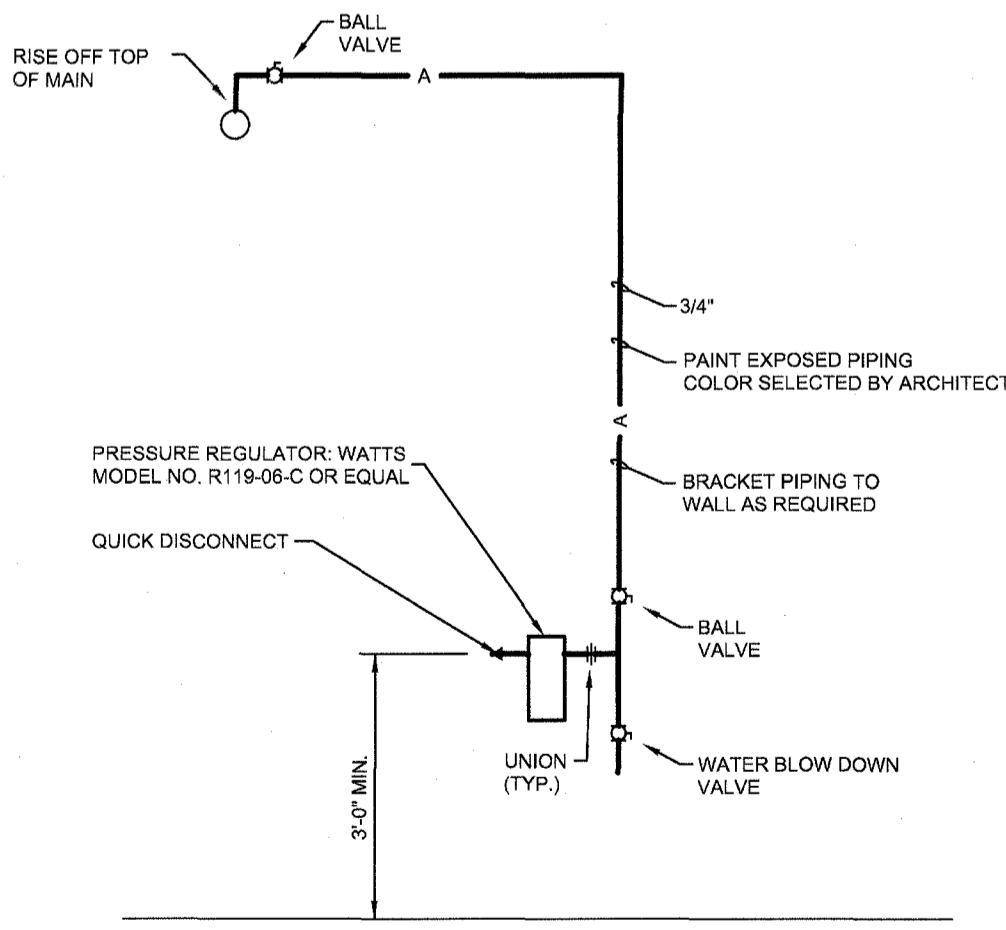
UK
 CPMD PROJECT #: 2353.0
 CONSTRUCTION DOCUMENTS
 23 MAY 2013



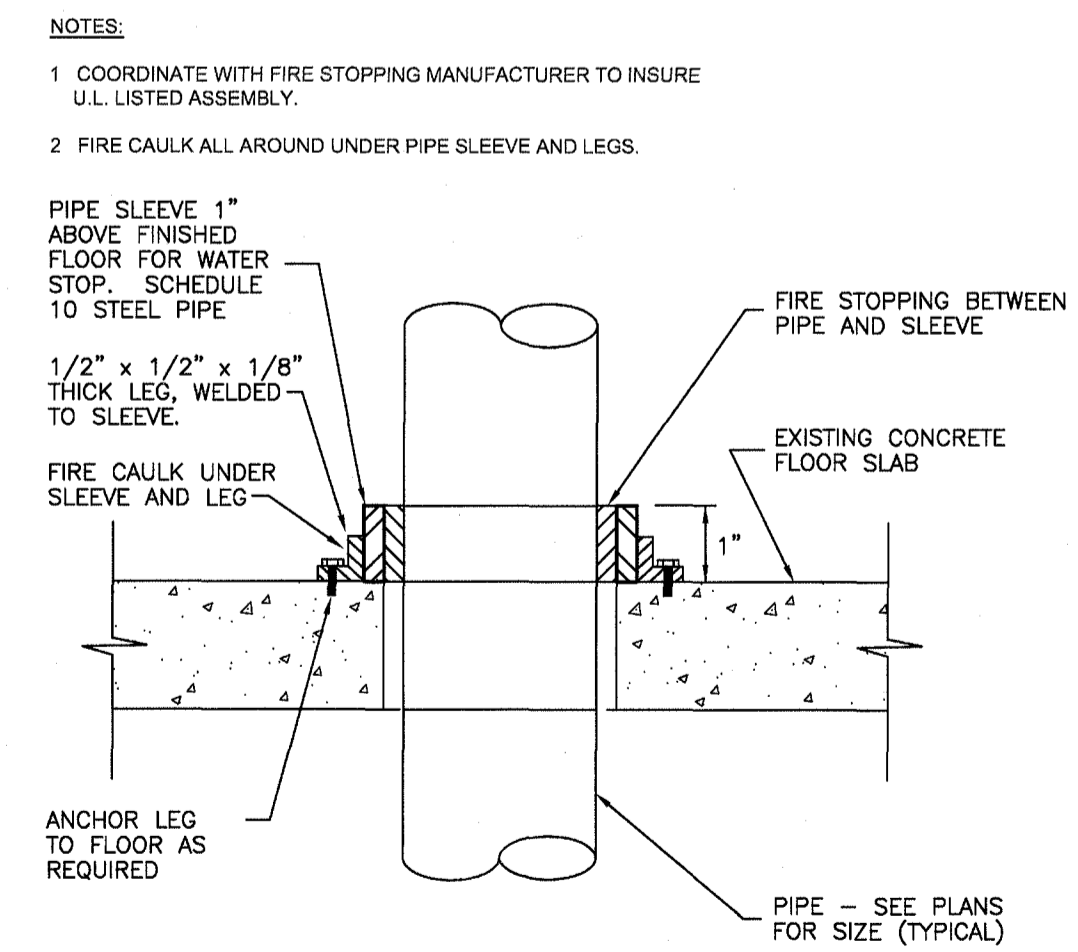
PLUMBING PLAN - PARTIAL FOURTH FLOOR - NEW WORK
SCALE: 1/8" = 1'-0"



PLUMBING PLAN - FIFTH FLOOR - NEW WORK
SCALE: 1/8" = 1'-0"



AIR DROP PIPING DETAIL
NO SCALE



SLEEVE DETAIL FOR PIPING PASSING THRU EXISTING CONCRETE FLOOR SLAB
NO SCALE

- NOTES:**
- COORDINATE WITH FIRE STOPPING MANUFACTURER TO INSURE ALL LISTED ASSEMBLY.
 - FIRE CAULK ALL AROUND UNDER PIPE SLEEVE AND LEGS.

CODED NOTES: DRAWING P.1

- CONNECT TO TOP OF WATER RISERS INSIDE CHASE SEE WATER RISER DIAGRAM ON DRAWING P.2.
- CONNECT TO EXISTING 2" WASTE LINE IN FOURTH FLOOR CEILING SPACE.
- CONNECT 2" VENT TO 4" VENT UP TO 4" VENT-THRU-ROOF IN FIFTH FLOOR CEILING SPACE.
- TEMPERING VALVE - GUARDIAN MODEL G3802, 44 GALLON CAPACITY WITH SURFACE MOUNTED STAINLESS STEEL CABINET. FLOW RANGE SHALL BE 3 GPM TO 44 GPM AT A MAXIMUM 20 PSI DROP. UNIT SHALL BE COMPLETE WITH LOCKABLE TEMPERATURE REGULATOR AND A BUILT IN COLD WATER BY-PASS IN THE EVENT OF HOT WATER FAILURE. SET OUTLET TEMPERATURE TO 85 DEG. F.
- AIR OUTLET ON WALL. SEE AIR DROP PIPING DETAIL ON THIS SHEET.
- PROVIDE NEW INSULATION ON ROOF LEADER PIPING (TYPICAL). SEE SPECIFICATIONS.
- EXISTING 4" WASTE STACK TO REMAIN.
- NEW ACID WASTE PIPING IN FOURTH FLOOR CEILING SPACE.
- NEW ACID WASTE PIPING IN THIRD FLOOR CEILING SPACE.
- EXISTING 4" ACID WASTE PIPING IN CHASE BELOW FOURTH FLOOR LEVEL.
- CONNECT NEW 4" ACID WASTE PIPING TO EXISTING 4" ACID WASTE PIPING BELOW FOURTH FLOOR LEVEL.
- 4" ACID WASTE VENT UP TO 4" ACID WASTE VENT-THRU-ROOF.
- EXISTING PLUMBING FIXTURE TO REMAIN (TYPICAL).
- GAS SOLENOID VALVE FOR EMERGENCY GAS SHUT-OFF.
- PROVIDE AN EMERGENCY KILL SWITCH TO OPERATE SOLENOID VALVE ON GAS BRANCH LINE IN CORRIDOR.
- CONNECT NEW 1" GAS LINE AND NEW 2" AIR LINE TO EXISTING 1" GAS LINE AND EXISTING 2" AIR LINE ABOVE CEILING.

NOTE:
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ROOM SCHEDULE

ROOM NUMBER	ROOM NAME
R500	CORRIDOR
R501	ELEVATOR LOBBY
R502	MECHANICAL
R504	ELECTRICAL
R506	COMMUNICATIONS
R507	SHOP
R508A	TRIALS
R508B	TRIALS
R509	LAB (YU)
R510	STUDENT AREA
R511	LAB (SUNDERAM)
R512	CONFERENCE
R513	LAB (BAZRGAR)
R514	CORRIDOR
R514A	OFFICE (PATWARDHEN)
R514B	OFFICE (SUNDERAM)
R514C	OFFICE (YU)
R514D	OFFICE (SHIN)
R514E	OFFICE (PIENKOWSKI)
R514F	OFFICE (BAZRGAR)
R514G	OFFICE (EVANS)
R514H	OFFICE (SHARED)
R515	LAB (PATWARDHEN)
R517	LAB (SHIN)
R519	LAB (SHARED)
R521	LAB (PULLED)
R522	CENTER OFFICE
R522A	DIRECTOR (PULLED)
R523	LAB (PIENKOWSKI)
R533	MEN
R535	JANITOR
R537	WOMEN
ST-A	STAIR
ST-B	STAIR

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3001 Coliseum Drive, Lexington, Kentucky 40517
(606) 271-1246

STATE OF KENTUCKY
DANIEL S. BRANSON
14375
Professional Engineer

SF

WARNING OF PARTIAL SET REVIEW
General Contractors and Subcontractors bidding on work elements shown on this single sheet are hereby required to review the full set of construction drawings, the Specification Manual and address (if needed) prior to submission of a bid. Submission of bid shall serve as certification by all contractors of their comprehension thereof and their complete Construction Documents Set based above. Failure to review all Construction Documents, regardless of reason, shall not be a reason for adjustment of the contract amount.

PLUMBING PLAN - FIFTH FLOOR - NEW WORK

RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR

THE CENTER FOR BIOMEDICAL ENGINEERING

UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY

bender associates architects

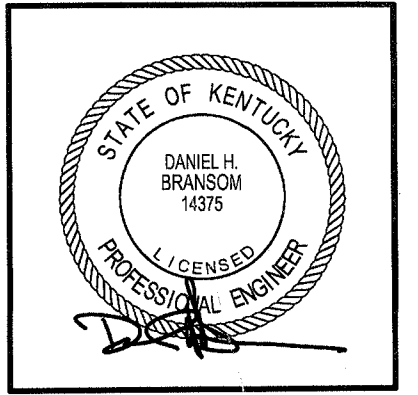
1008c eastland dr., lexington, ky 40505
tel (859) 252-0112 fax (859) 252-0114

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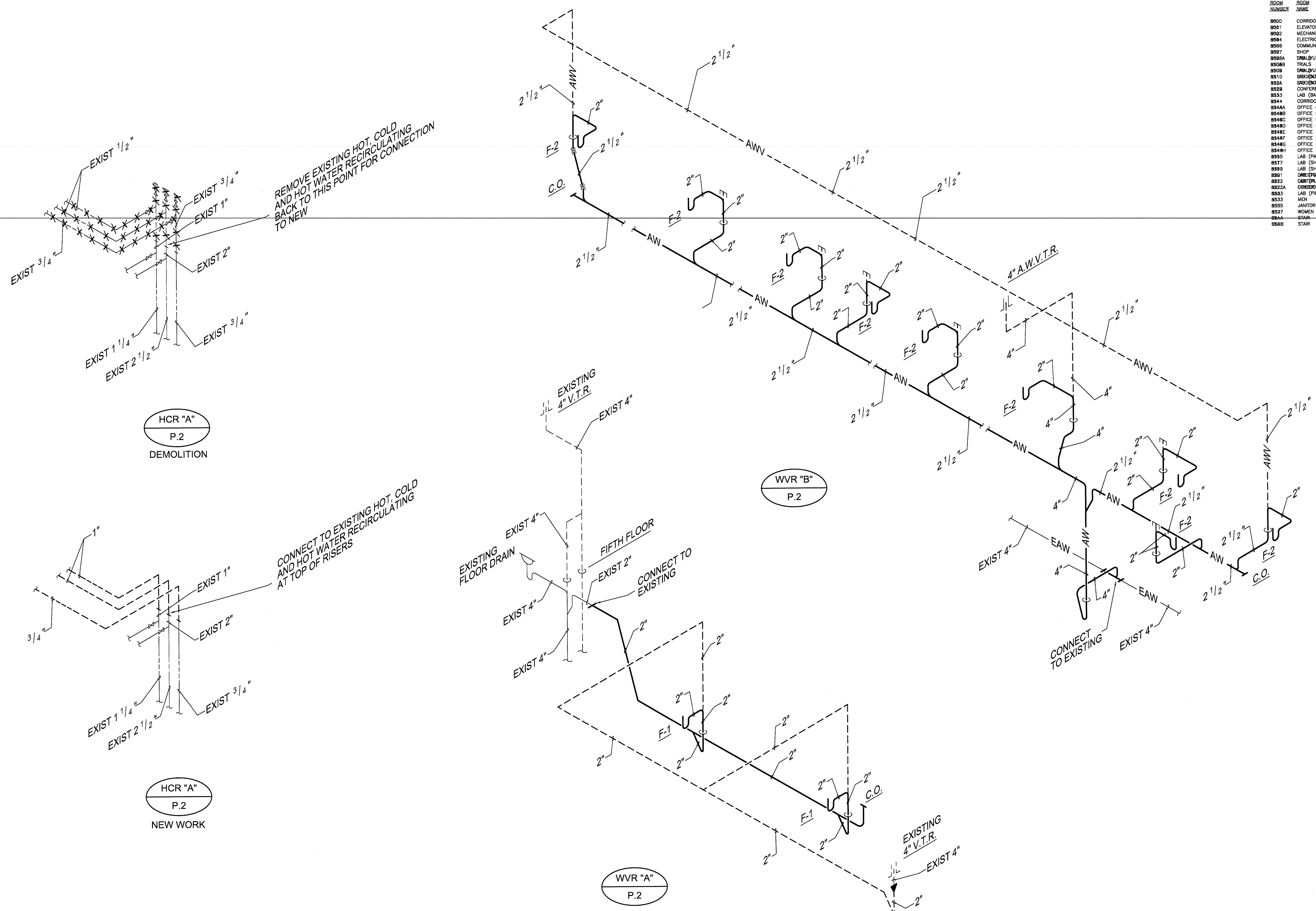
CONSTRUCTION DOCUMENTS
23 MAY 2013

ROOM NUMBER	ROOM NAME
8000	CORRIDOR
8001	ELEVATOR LOBBY
8002	MECHANICAL
8004	ELECTRICAL
8005	COMMUNICATIONS
8007	SHOP
8008A	TRAIL(S)
8008B	TRIAL(S)
8008	TRIAL(S)
8510	SABODENNERAM
852A	SABODENNERAM
852B	CONFERENCE
853	LAB (BAZGAR)
854	CORRIDOR
854A	OFFICE (PATWARDHEN)
854B	OFFICE (SUNDERAM)
854C	OFFICE (YU)
854D	OFFICE (SHIN)
854E	OFFICE (PIENKOWSKI)
854F	OFFICE (BAZGAR)
854G	OFFICE (EVANS)
854H	OFFICE (SHARED)
855	LAB (PATWARDHEN)
857	LAB (SHIN)
859	LAB (SHARED)
881	DIRECTOR/DELETED
882	CATER/PLUCKE
882A	DIRECTOR/PRODEO
883	LAB (PIENKOWSKI)
883	MEN
885	JANITOR
887	WOMEN
88A	STAIR
88B	STAIR



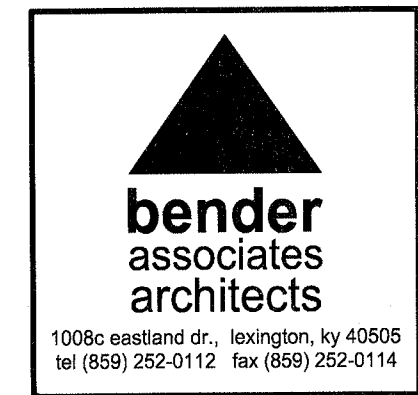
Staggs and Fisher
 Consulting Engineers, Inc.
 504 Lockwood Drive, Lexington, Kentucky 40507
 (606) 271-2466

WARNING OF PARTIAL SET REVIEW
 General contractors and subcontractors shall review the work shown on this sheet and verify that it meets the full set of construction documents. The specifications listed and attached to this set of construction documents shall govern. Subsequent to the review of the work shown on this sheet, the contractor shall be responsible for the accuracy of the work shown on this sheet. Failure to review the work shown on this sheet shall be considered an acknowledgment of the contractor's responsibility for the accuracy of the work shown on this sheet.

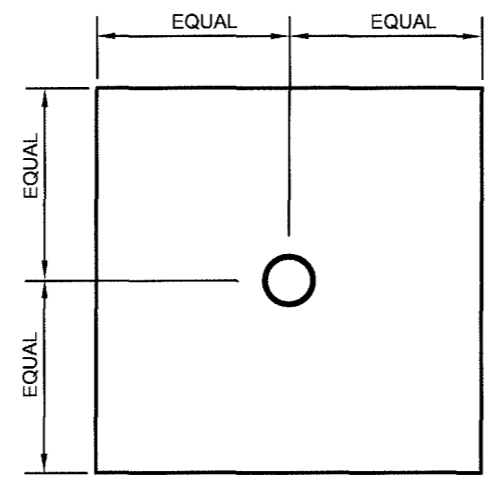


NOTE:
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PLUMBING RISERS
 RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
THE CENTER FOR BIOMEDICAL ENGINEERING
 UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY



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 23 MAY 2013



**TYPICAL SPRINKLER HEAD LOCATION(S)
IN 2' X 2' A.C.T. PANELS**
NO SCALE

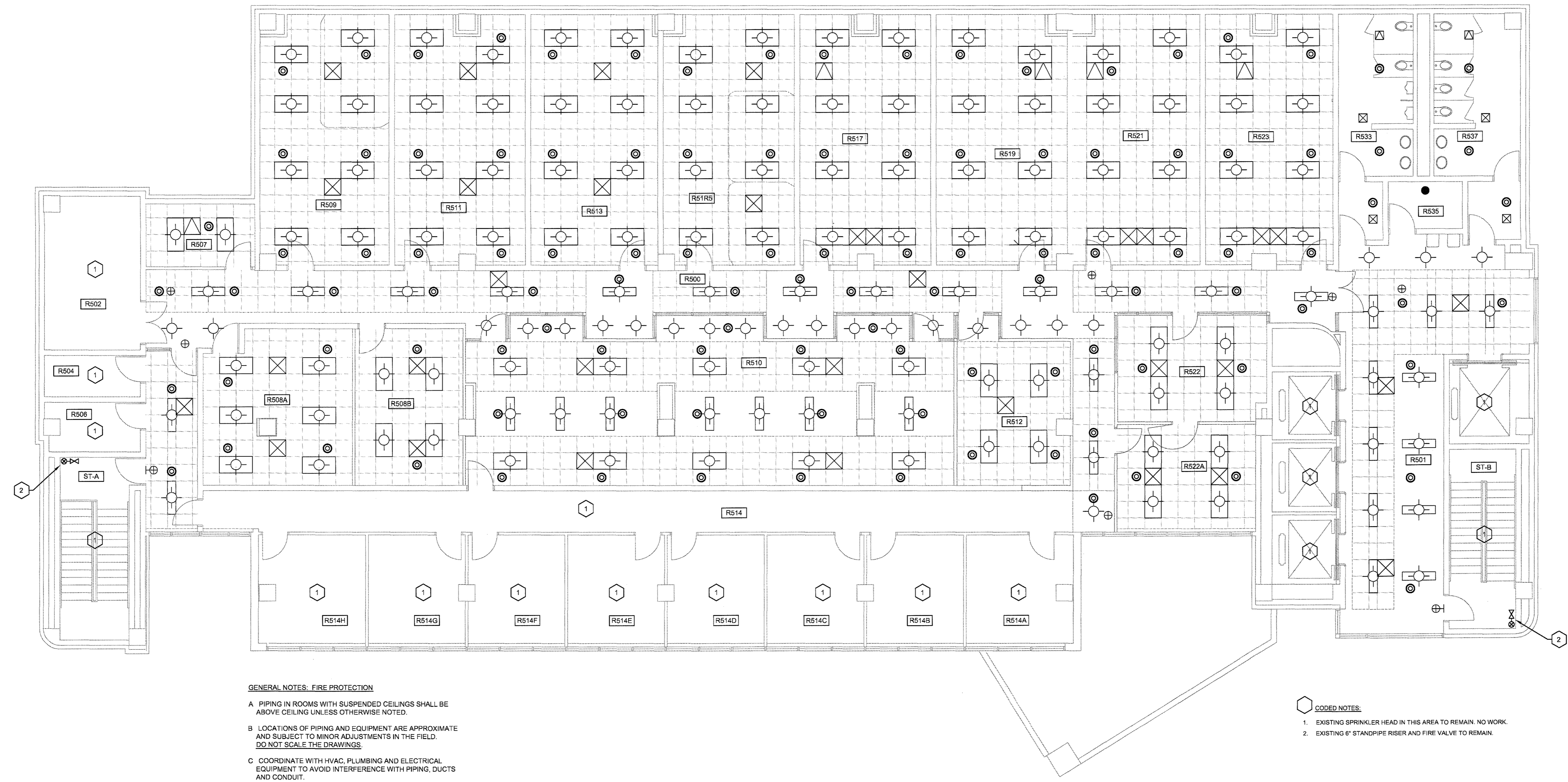
NOTE:
REMOVE EXISTING SPRINKLER HEADS IN RENOVATED AREAS AND REPLACE WITH NEW. REVISE PIPING AS REQUIRED FOR NEW SPRINKLER LAYOUT.

ROOM NUMBER	ROOM NAME
R500	CORRIDOR
R501	ELEVATOR LOBBY
R502	MECHANICAL
R504	ELECTRICAL
R506	COMMUNICATIONS
R507	SHOP
R508A	TRIAL (DU)
R508B	TRIALS
R508	TRIAL (DU)
R510	DRUG/PHARMACY
R52A	LAB (SUNDERAM)
R52B	CONFERENCE
R533	LAB (BAZRGAR)
R544	CORRIDOR
R544A	OFFICE (PATWARDHEN)
R548B	OFFICE (SUNDERAM)
R548C	OFFICE (YU)
R549D	OFFICE (SHIN)
R548E	OFFICE (PIENKOWSKI)
R548F	OFFICE (BAZRGAR)
R548G	OFFICE (SWANK)
R548H	OFFICE (SHARED)
R555	LAB (PATWARDHEN)
R577	LAB (SHIN)
R599	LAB (SHARED)
R601	DRUG (PHARMACY)
R622	DRUG (PHARMACY)
R622A	DIETARY (PHARMACY)
R633	LAB (PIENKOWSKI)
R633	MEN
R635	JANITOR
R637	WOMEN
R68A	STAIR
R68B	STAIR



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2001 Limestone Drive Lexington, Kentucky 40517
(606) 271-3444

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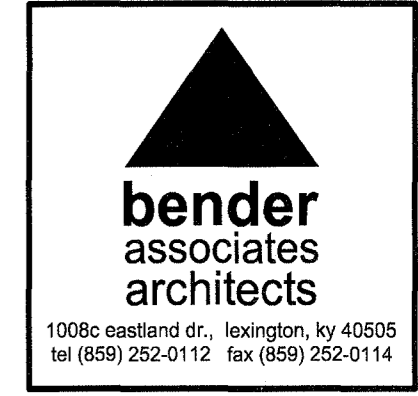
- GENERAL NOTES: FIRE PROTECTION**
- A. PIPING IN ROOMS WITH SUSPENDED CEILINGS SHALL BE ABOVE CEILING UNLESS OTHERWISE NOTED.
 - B. LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
 - C. COORDINATE WITH HVAC, PLUMBING AND ELECTRICAL EQUIPMENT TO AVOID INTERFERENCE WITH PIPING, DUCTS AND CONDUIT.
 - D. INSTALL PIPING AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - E. SEAL AIRTIGHT AROUND ALL PIPING PENETRATIONS THROUGH WALLS, FLOOR AND ROOF.
 - F. CENTER SPRINKLER HEADS IN SUSPENDED ACOUSTICAL CEILING TILES. SEE DETAIL ON THIS DRAWING.
 - G. PROVIDE DRAINS AT LOW POINTS PER NFPA-13.
 - H. PITCH ALL SPRINKLER PIPING TO MAIN. IF PIPING CANNOT BE PITCHED TO MAIN, PROVIDE AUXILIARY DRAINS AT LOW POINTS.
 - I. PROVIDE GUARDS ON ALL HEADS INSTALLED 8'-0" OR LESS ABOVE THE FLOOR UNLESS DIRECTED OTHERWISE BY ENGINEER.
 - J. IN MECHANICAL ROOMS OR SIMILAR AREAS WHERE INTERFERENCE OCCURS WITH SPRINKLER DISCHARGE, PROVIDE ADDITIONAL SPRINKLER HEAD(S) AS REQUIRED PER NFPA-13.
 - K. ALL PIPING SHALL BE INSTALLED PARALLEL AND PERPENDICULAR AND HORIZONTAL TO WALLS, FLOORS AND CEILINGS UNLESS SPECIFICALLY SHOWN OTHERWISE ON DRAWINGS OR UNABLE DUE TO INTERFERENCES.
 - L. PROVIDE SEISMIC BRACING FOR PIPING AND EQUIPMENT AS REQUIRED BY KENTUCKY BUILDING CODE. SEE SPECS.

- CODED NOTES:**
- 1. EXISTING SPRINKLER HEAD IN THIS AREA TO REMAIN. NO WORK.
 - 2. EXISTING 6" STANDPIPE RISER AND FIRE VALVE TO REMAIN.

FIRE PROTECTION PLAN – FIFTH FLOOR – NEW WORK
SCALE: 1/8" = 1' - 0"

NOTE:
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FIRE PROTECTION PLAN – 5th FLOOR – NEW WORK
 RENOVATE ROBOTICS BUILDING, 5TH FLOOR FOR
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 UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY



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