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REQUEST FOR INFORMATION DATE: June 13, 2016 NO.: RFI-162

To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Joe Voypick

Project Name: 15051-Webster University Interdisciplinary Science Building Project No.: 15051

Subject: floor box locations

Response Required By: June 20, 2016

Drawing / Spec Reference:

Information Requested:

Level 1:

Please provide dimensions for the floor boxes in the following rooms: 131 (6 floor boxes), 140 (2 floor boxes), C151, 154 and Lecture Hall 160 (2 floor boxes).

Level 2:

We need dimensions for the floor box in conference room 203. **SEE ATTACHED PLANS**
We need dimensions for the floor boxes in rooms 231 and 233. The floor box symbols are shown on sheet A0204, but no dimensions are provided. **SEE ATTACHED PLANS**
In room 231, electrical sheet E0102.B shows (6) floor boxes, while architectural sheet A0204 shows (7) floor box locations. Please advise which is correct. **FOLLOW E0102.B**

Because the RFBxS-FC floor boxes penetrate through the deck, and into the ceiling space of the floor below, we have the following issues with Level 2 floor boxes:

The (2) northern most boxes in room 284 land directly on top of the wall between the Main Electrical room (Rm 192) and the Fire Pump room (188). **FOR WALLS AT BOTTOM OF BOXES- SEAL WALLS TO BOTTOM OF FLOOR BOX.**

The (2) boxes along column line E in room 284 are directly on top of a steel beam. **SEE ATTACHED PLANS**

The (2) northern most boxes in room 276 are slightly into the north wall of Stair 3. **FOR WALLS AT BOTTOM OF BOXES- SEAL WALLS TO BOTTOM OF FLOOR BOX.**

The (2) southern most boxes, along column line C, in room 276 are directly on top of a steel beam. **SEE ATTACHED PLANS**
Depending on final quantities and locations, all (6 or 7) of the western most boxes in rooms 231 and 233 look like they are on top of steel beams.

The northwestern most floor box in room 235 is into a steel beam below, by a couple of inches. Please advise **SEE ATTACHED PLANS**

Level 3:

We need dimensions for the floor boxes in the following rooms: 305, 352 and 364.
Is the floor box in room 353 a 2 or 4 gang box? **4 GANG**

Answered By: _____

Date: _____



Because the RFBxS-FC floor boxes penetrate through the deck, and into the ceiling space of the floor below, we have the following issues with Level 3 floor boxes:

The (2) northern most boxes in room 388 land directly on top of a wall. FOR WALLS AT BOTTOM OF BOXES- SEAL WALLS TO BOTTOM OF FLOOR BOX.

The (2) northern most boxes in room 378 land directly on top of a wall. FOR WALLS AT BOTTOM OF BOXES- SEAL WALLS TO BOTTOM OF FLOOR BOX.

The (2) boxes along column line D in room 378 are directly on top of a steel beam. SEE ATTACHED PLANS

The (2) boxes along column line F in room 391 are directly on top of a steel beam. SEE ATTACHED PLANS

The floor box in room 353 is into two steel beams below, by a couple of inches. SEE ATTACHED PLANS

Level 4:

We need dimensions for the floor box in room 407. SEE ATTACHED PLANS

Because the RFBxS-FC floor boxes penetrate through the deck, and into the ceiling space of the floor below, we have the following issues with Level 4 floor boxes:

The (2) boxes along column line F in room ~~391~~
491 are directly on top of a steel beam. SEE ATTACHED PLANS

Please advise.

Response:

PARTIAL RESPONSE 07.13.16:

SEE ATTACHED FOR LEVEL 01 LOCATIONS REQUESTED

FOR WALLS AT BOTTOM OF BOXES- SEAL WALLS TO BOTTOM OF FLOOR BOX.

SEE RESPONSES TO MISCELLANEOUS QUESTIONS

ARCHITECT'S RESPONSE:

This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the [Construction Manager][Architect] of a change through the change process.

Cc: Kathy Bathe, Paric Corporation

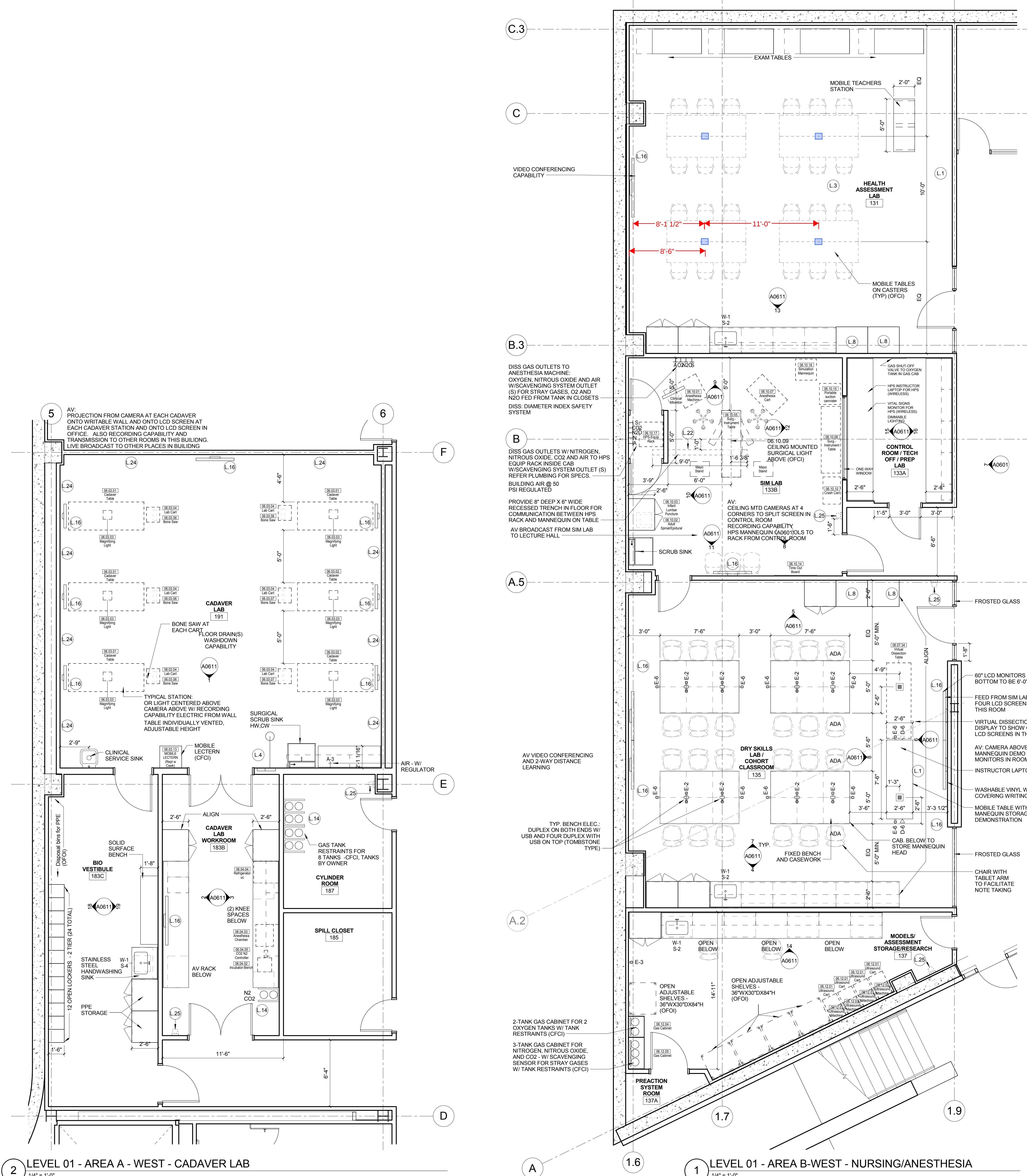
REV 1: 08.01.16

TO ROOMS 154 AND C151- ATTACHED

SEE COMMENTS IN RED ABOVE.

FOR WALLS AT BOTTOM OF BOXES- SEAL WALLS TO BOTTOM OF FLOOR BOX.

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LAB KEYED NOTE LEGEND

- L.1 WRITABLE AND PROJECTABLE SURFACE, DIMENSIONS AS NOTED
- L.2 RECESSED, CEILING MOUNTED PROJECTION SCREEN
- L.3 WALL MOUNTED PROJECTOR ABOVE
- L.4 EMERGENCY SAFETY SHOWER WITH EYEWASH
- L.5 1151313 CHEMICAL FUME HOOD W/ STORAGE BELOW, TYPICAL FUME HOOD TO HAVE ELECTRIC AND UTILITIES AS INDICATED.
- L.7 WOOD LAB CASEWORK MICROSCOPE CAB
- L.8 WOOD LAB CASEWORK, TALL CABINET WITH OPEN CUBBIES FOR BOOK BAG STORAGE.
- L.9 11 51313 CHEMICAL FUME HOOD - ACCESSIBLE - WITH MOBILE STORAGE BELOW, WHERE SHOWN, TYPICAL FUME HOOD TO HAVE ELECTRIC, AND UTILITIES AS INDICATED.
- L.10 CABS BELOW WHITEBOARD
- L.11 RECESSED MOTORIZED ROOM DARKENING / BLACKOUT SHADES, USE DOUBLE SHADES AT WEST CLASSROOMS LEVEL 02 AND LECTURE HALL, REFER TO REFLECTED CEILING PLANS
- L.12 LCD MONITOR
- L.13 MOBILE LABORATORY CASEWORK SYSTEM, SEE DETAIL 09A0911
- L.14 MOVABLE WOOD LABORATORY CASEWORK, TABLE WITH MODIFIED EPOXY COUNTERTOP, CABINETS SUSPENDED BELOW AS INDICATED.
- L.15 FIXED WOOD LABORATORY CASEWORK, BASE CABINETS, MODIFIED EPOXY COUNTERTOP, WALL CABINETS AS SHOWN ON ELEVATION
- L.16 SEE CEILING PLAN FOR CEILING MOUNTED UNISTRUT SYSTEM SUPPORTED BY STRUCTURE ABOVE
- L.17 8" DEEP x 6" WIDE TRENCH WITH METAL COVER TO RECIEVE FLOOR FINISH TO MATCH ADJACENT FLOOR
- L.18 FLOOR BOX FOR ELECTRICAL & DATA
- L.19 09 6666 DRY ERASE FINISH (AWC-1)
- L.20 PROVIDE BLOCKING FOR FIRE EXTINGUISHER, MOUNTING HEIGHT, 3'-0" TO TOP OF EXTINGUISHER, FIRE EXTINGUISHER & ITS BRACKET BY OWNER.
- L.21 POINT EXHAUST (SNORKEL) FOR SOLDERING, SEE DETAIL 5/ A0913.

LAB UTILITY LEGEND

- CW WATER COLD WATER FAUCET, DECK MOUNTED GOOSENECK WITH SERRATED NOZZLE, VACUUM BREAKER
- W-1 WATER GENERAL MIXING FAUCET, DECK MOUNTED WITH VACUUM BREAKER, SERRATED NOZZLE.
- DI WATER FAUCET DECK MOUNTED
- PWS WATER PROCESS COLD WATER RETURN
- PWR WATER PROCESS COLD WATER RETURN
- EW WATER EYEWASH, DECK MOUNTED, AUTOFLOW SWING-DOWN, DH
- WH WATER DRENCH HOSE
- G GAS FUME HOOD CONTROL
- V VAC FUME HOOD CONTROL
- V-3 VAC WALL MOUNTED, SINGLE SERRATED OUTLET
- V-1 VAC TURRET BASE, SINGLE SERRATED OUTLET
- V-4 VAC OUTLET FOR BIOSAFETY CABINET CONNECTIONS
- V-5 VAC QUICK DISCONNECT FOR OVERHEAD SERVICE CARRIER
- A-1 AIR FUME HOOD CONTROL
- A-1 AIR TURRET BASE, SINGLE SERRATED OUTLET
- A-3 AIR WALL MOUNTED, SINGLE SERRATED OUTLET
- A-4 AIR OUTLET FOR BIOSAFETY CABINET CONNECTIONS
- A-5 AIR QUICK DISCONNECT FOR OVERHEAD SERVICE CARRIER
- N NITROGEN FUMEHOOD CONTROL
- E ELEC. DUPLEX OUTLET (GFI) ON FUME HOOD
- E-1 ELEC. COUNTERTOP MOUNTED PEDESTAL, (1) DUPLEX ELECTRICAL OUTLET
- E-2 ELEC. COUNTERTOP MOUNTED PEDESTAL, (2) DUPLEX ELECTRICAL OUTLET
- E-3 ELEC. WALL MOUNTED, (1) DUPLEX ELECTRICAL OUTLET
- E-5 ELEC. DUPLEX ELECTRICAL OUTLET ON OVERHEAD SERVICE CARRIER
- D DATA DATA OUTLET
- D-1 DATA COUNTERTOP MOUNTED PEDESTAL, (2) DATA OUTLETS
- D-5 DATA DATA OUTLET ON OVERHEAD SERVICE CARRIER
- D-6 DATA DATA OUTLET ON TABLE APRON
- C SINK CUP SINK LIPPED MODIFIED EPOXY CUP SINK, 9"X3" W OVAL (DROP-IN).
- S-1 SINK LIPPED MODIFIED EPOXY SINK, 25"X15"X10"D (DROP-IN).
- S-2 SINK LIPPED MODIFIED EPOXY ADA SINK 25"X15"X6"X5"D (DROP-IN).
- S-3 SINK STAINLESS STEEL SINK 25"X15"X10"D (DROP-IN).
- S-4 SINK STAINLESS STEEL ADA SINK 25"X15"X15"X5"D (DROP-IN).
- S-5 SINK LIPPED MODIFIED EPOXY ADA SINK 18"X15"X5"X5"D (DROP-IN).
- S-6 SINK LIPPED MODIFIED EPOXY SINK, 36"X15"X10"D (DROP-IN).
- OSC OVERHEAD SERVICE CARRIER, SEE DETAIL 10 / A0913.
- PTD PAPER TOWEL DISPENSER

CHEMICAL FUME HOOD LEGEND

- CFH-4 4'-0" WIDE CHEMICAL FUME HOOD
- CFH-6 6'-0" WIDE CHEMICAL FUME HOOD

LAB GENERAL NOTES

- ALL DIMENSIONS ARE TO GWB FACE PARTITION OR COLUMN CENTERLINE U.N.O.
- OWNER FURNISHED OWNER INSTALLED (OFOI) ITEMS ARE SHOWN DASHED FOR REFERENCE ONLY, COORDINATE SIZE AND INSTALLATION REQUIREMENTS WITH OWNERS REPRESENTATIVE.
- CENTER ALL DRYING RACKS WITH DRIP STOP TROUGHS ABOUT CENTERLINE OF SINKS U.N.O.
- ALL APRONS AT OPEN KNEE SPACE TO BE 4" U.N.O. PROVIDE APRON OF SOLID WOOD WITH EASED BOTTOM EDGE, FINISH TO MATCH VENEER SPECIES, MAINTAIN MINIMUM 27" CLEAR ABOVE FLOOR FINISH
- CENTER ALL COUNTERTOP MOUNTED UTILITY OUTLETS ON CENTER OF CASEWORK U.N.O.
- ALL SURFACE MOUNTED RACEWAY TO HAVE OUTLETS AT 2'-0" O.C. AND SHALL BE MOUNTED DIRECTLY ABOVE BACKSPLASH U.N.O.
- ALL BACKSPLASHES TO BE 4" HIGH U.N.O.
- DASHED LINES ON ELEVATIONS INDICATED ADJUSTABLE SHELVING INSIDE CASEWORK
- PROVIDE FINISHED BACK PANEL AT KNEE SPACES BELOW ALL FUMEHOODS, TYPICAL, SIMILAR TO DETAIL
- PROVIDE FINISHED BACK PANEL AT ALL KNEE SPACES, TYPICAL
- PROVIDE LOCK AND KEY WHERE A CIRCLE NEXT TO DRAWER OR DOOR HANDLE IS SHOWN OR WHERE NOTED.
- REFER SHEETS A0914 FOR LABORATORY CASEWORK / MILLWORK DETAILS
- FOR TYPICAL MOUNTING HEIGHTS REF: 1/A0911
- ALL CASEWORK TO BE WOOD U.N.O.
- ALL CASEWORK IS LABORATORY CASEWORK UNLESS NOTED AS MILLWORK OR OFOI, SEE DIVISION 12 3553 - LABORATORY CASEWORK FOR SPECIFICATIONS
- ALL EQUIPMENT ITEMS HAVE A EQUIPMENT TAG - XXX.XX, SEE SHEETS A114 FOR EQUIPMENT SCHEDULES
- PROVIDE PAPER TOWEL DISPENSER (PTD) AT EACH SINK LOCATION



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ISSUED FOR CONSTRUCTION (BP3) 15 MAR 2016
No. Description Date

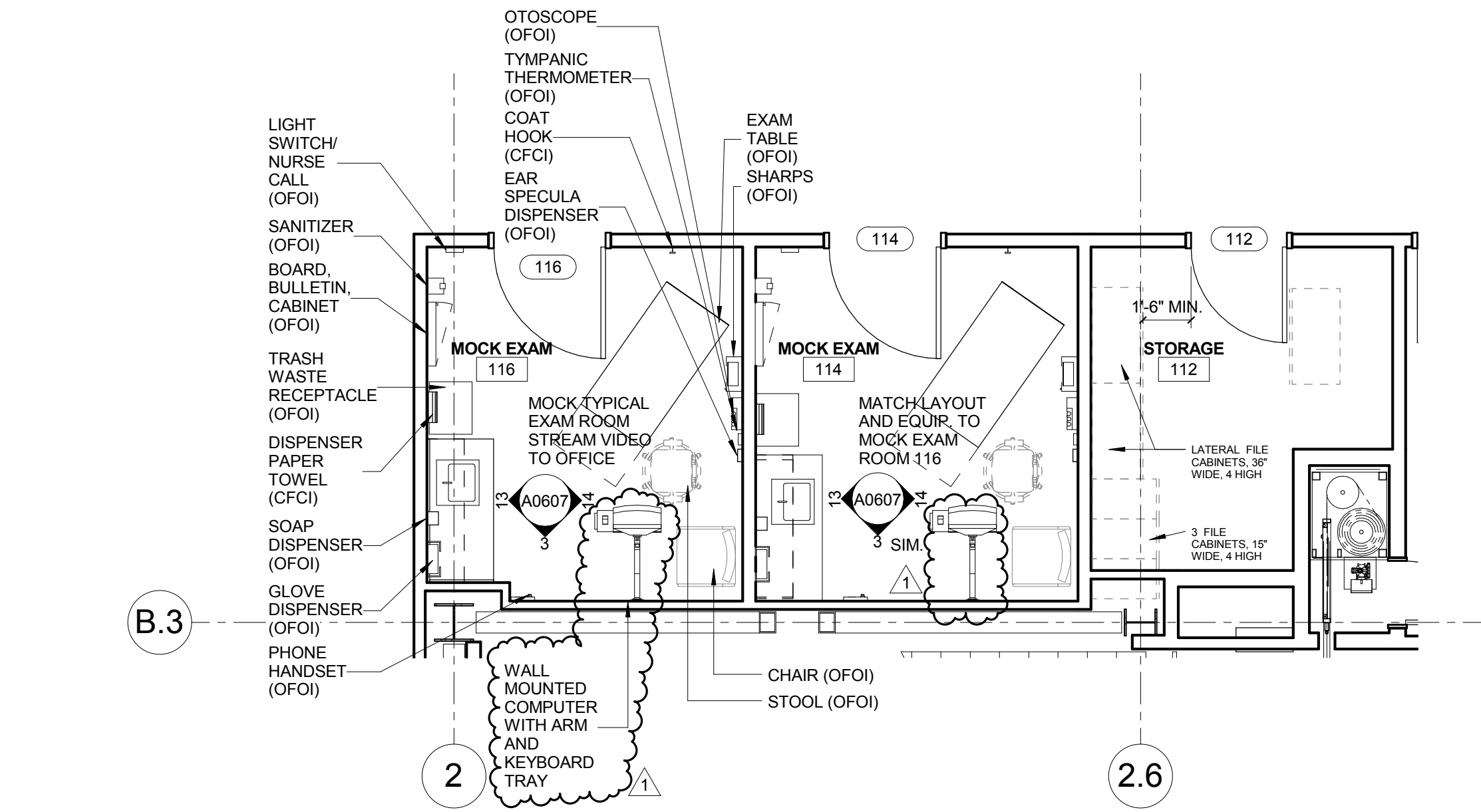
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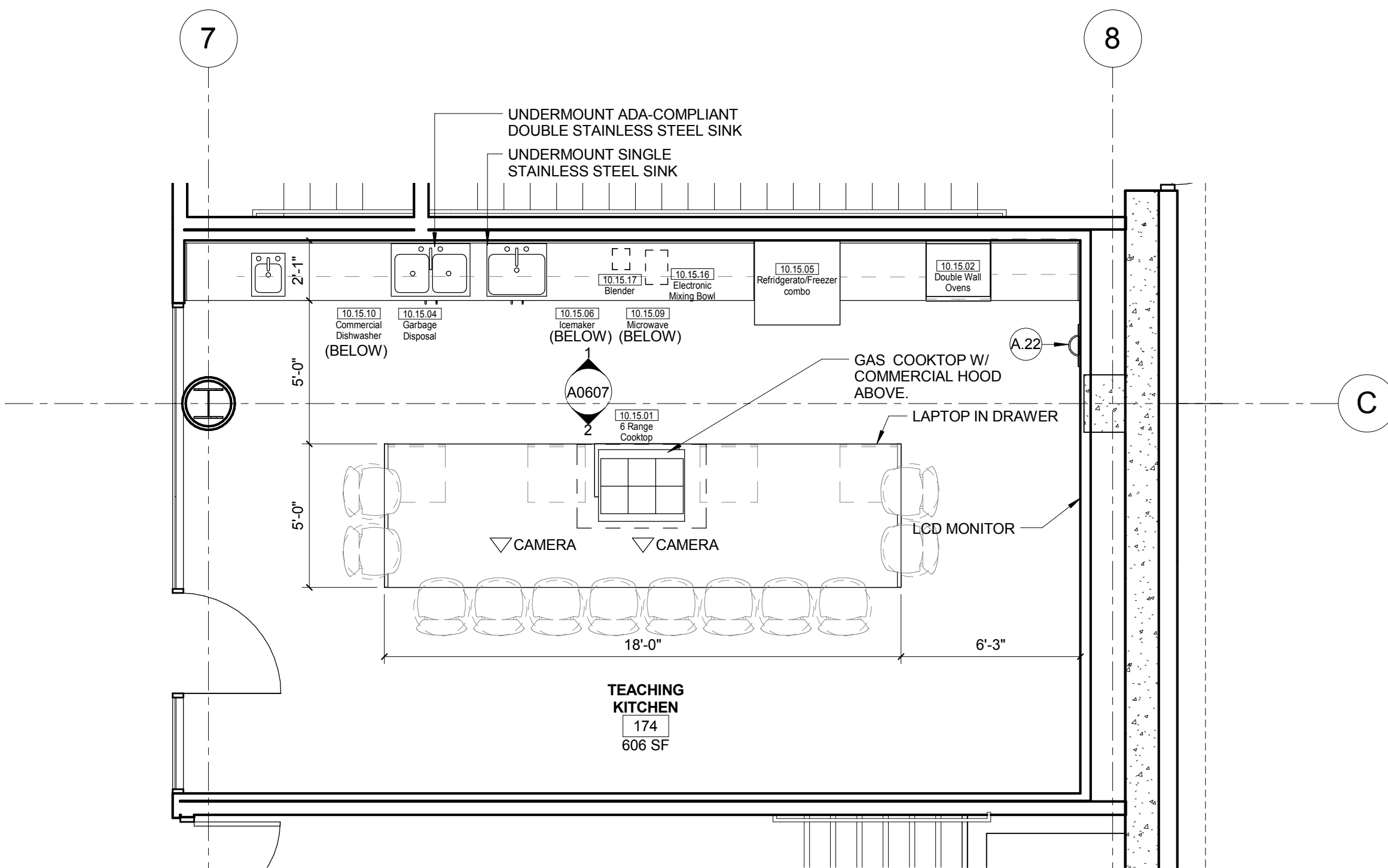
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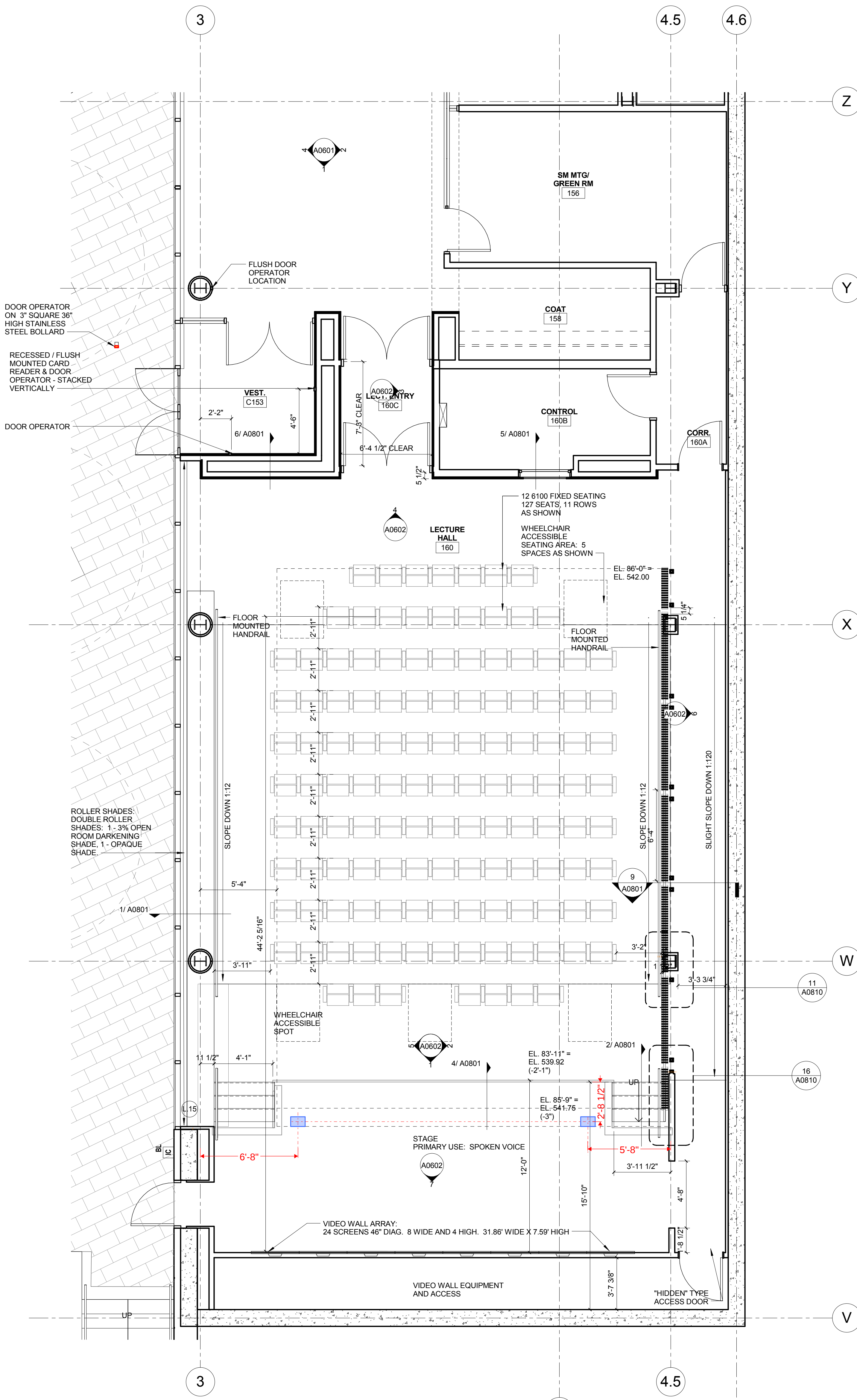
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3 LEVEL 01 - AREA B-WEST - MOCK EXAM ROOMS
1/4" = 1'-0"



2 LEVEL 01 AREA A FLOOR PLAN-NORTH - TEACHING KITCHEN
1/4" = 1'-0"



1 LEVEL 01 - AREA B - LECTURE HALL
1/4" = 1'-0"

- KEYED NOTE LEGEND - PLAN**
- A.1 002700 GRG COLUMN COVER TO 3" ABOVE CEILING - 20" DIA. TYP. SEE DETAIL 4A0811 AND 13A0842
 - A.2 081216 INTERIOR GLAZING SYSTEM: IGS-1: REFER TO TYPICAL INT. ELEVATIONS 1 AND 2 ON SHEET A0603
 - A.3 081216 INTERIOR GLAZING SYSTEM IGS-2: SEE TYPICAL ELEVATION 5 AND 6 A0603
 - A.4 081216 INTERIOR GLAZING SYSTEM: IGS-3: REFER TO INTERIOR ELEVATIONS
 - A.5 088813 FIRE RATED GLAZING- 120 MIN. FIRE RATED GLAZING 10'-0" HIGH. BASIS OF DESIGN: VETROTECH CONTRAFILAMM STRUTTURA - WITH BUTT JOINTS AND PERIMETER FRAMING.
 - A.6 088813 FIRE RATED GLAZING AND FRAME- 120 MIN. FIRE RATED GLAZING 1'-8" HIGH X 5'-0" WIDE. BASIS OF DESIGN: VETROTECH CONTRAFILAMM WITH PERIMETER FRAMING.
 - A.7 111519 LOADING DOCK LIFT - STATIONARY - 6W X 8' DEEP/W 14" PIT
 - A.8 ALTERNATING TREAD STAIRWAY UP TO ROOF HATCH
 - A.9 UNDERSLAB DRAINAGE SYSTEM PER OWNER'S GEOTECHNICAL CONSULTANT RECOMMENDATION TYPICAL ALL SLAB ON GRADE AREAS
 - A.11 NEW CONCRETE STEPS TO MATCH EXISTING REMOVED FOR CONSTRUCTION
 - A.12 553006 BRICK FACED CONCRETE DUMPSTER ENCLOSURE TOP OF WALL
 - A.13 LCD SIGNAGE SCREEN IN WALL RECESS (OFCI)
 - A.14 MARKERBOARD SURFACE
 - A.15 WOOD SCREEN W/ SOLID LUMBER
 - A.17 VIDEO WALL - 24 55" SCREENS
 - A.18 LCD SCREEN LOCATION (OFCI)
 - A.19 AIR PLENUM - INSULATED PLENUM CONSTRUCTION BY DIVISION 23
 - A.20 122200 CURTAIN LOCATION
 - A.21 104313 AED CABINET LOCATION
 - A.22 10 4413 FEC WITH FIRE EXTINGUISHER
 - A.23 08 4423 SULL. SASH LOCATION: PROVIDE 1/4" TEMPERED CLEAR GLAZING AT INTERIOR FACE OF CURTAIN WALL MULLIONS FOR ACOUSTICAL SEPARATION.
 - A.24 6" X 8" FORMED CONCRETE TRENCH IN FLOOR W/ METAL PLATE COVER. PROVIDE BLIND SIDE WATERPROOFING
 - A.25 BUILT IN SALT WATER FISH TANK LOCATION. SIZE APPROX. 7'-6" X 2'-4" X 2'-6" HIGH. LOW IRON GLASS VIEW WINDOW ON CORRIDOR SIDE. SLIDING DOOR ON LAB SIDE. FISH TANK EQUIPMENT BELOW TANK W/ CABINET DOOR ACCESS ON LAB SIDE. FINISHED INTERIOR FACE OF WALLS AND CEILING INSIDE CAVITY W/ WATER RESISTANT GYP BOARD AND EPOXY PAINT
 - A.26 LCD SIGNAGE SCREEN IN WALL RECESS (OFCI)
 - A.27 CONSTRUCT 2 HOUR RATED SEPARATION BETWEEN BOTTOM OF STAIR AND UTILITY PIPING CROSSING THIS AREA. USE HORIZ. GYP BD. ENCLOSURE ON SHEET A1002



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1	ADDENDUM 3-2	15 APR 2016
1	ISSUED FOR CONSTRUCTION (BP3)	15 MAR 2016
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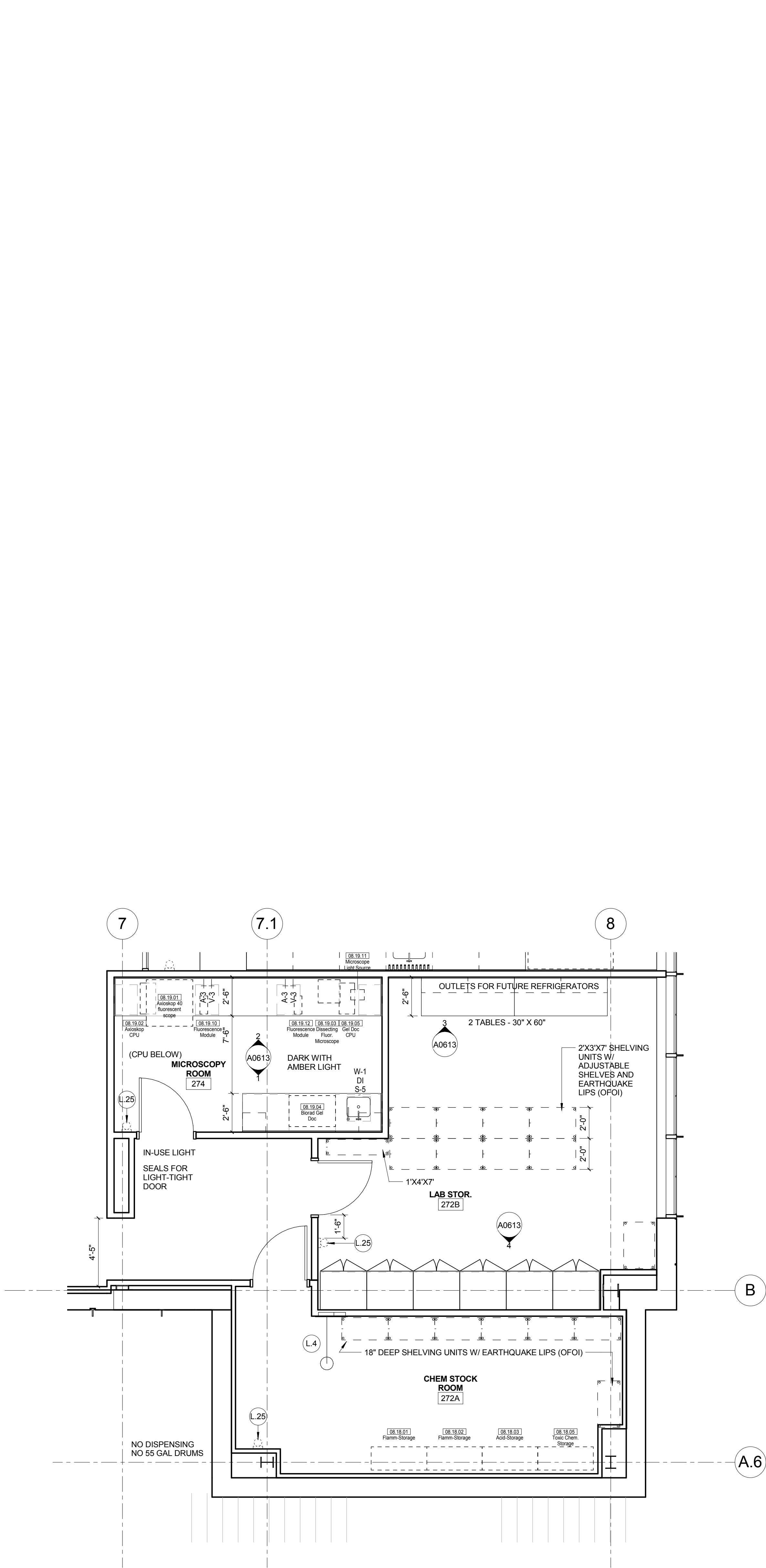
**ENLARGED PLANS-LEVEL
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Project No.: 04561.01

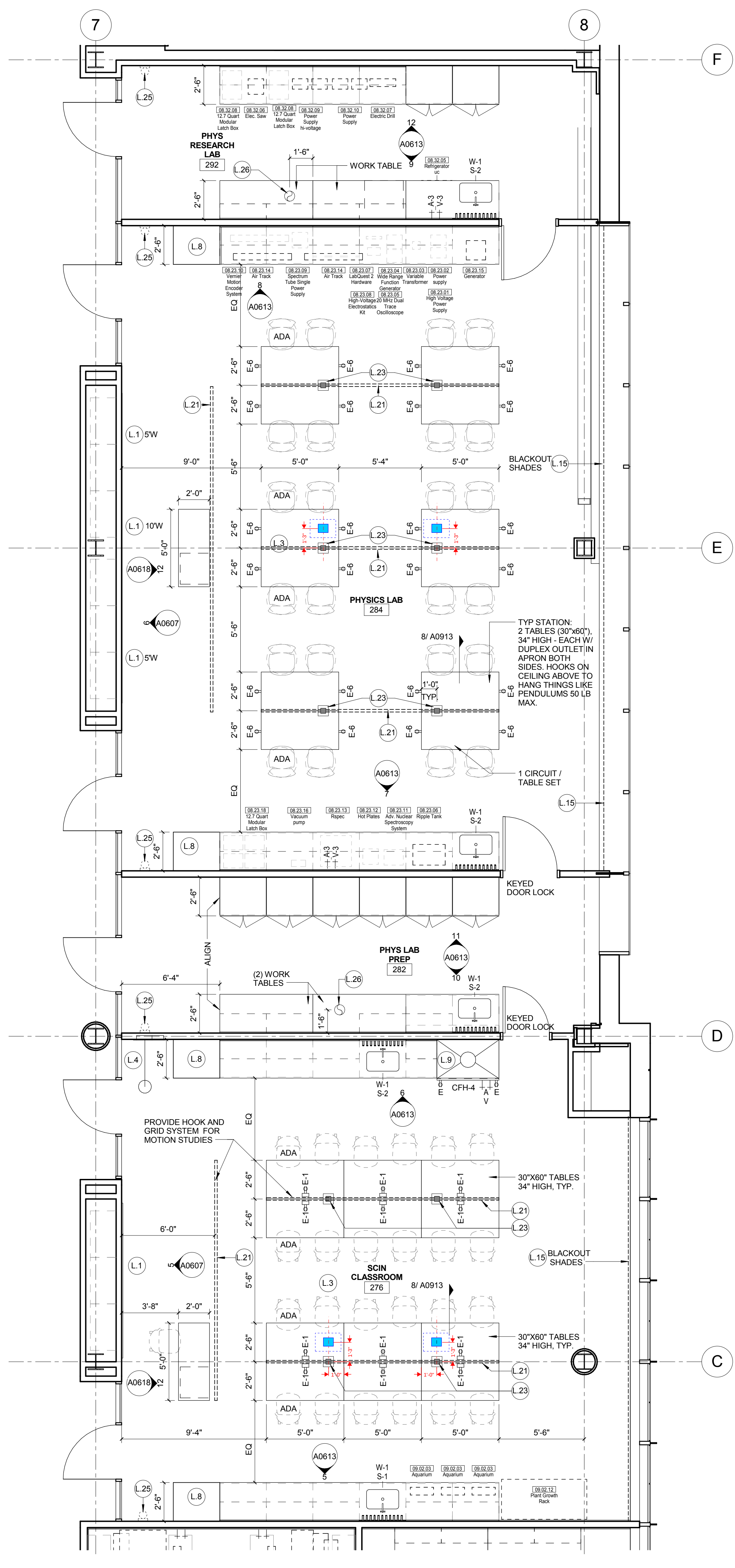
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2 LEVEL 02 - AREA A - EAST - SOUTH END
1/4" = 1'-0"



1 LEVEL 02 - AREA A - EAST - NORTH END
1/4" = 1'-0"

LAB KEYED NOTE LEGEND

- L.1 WRITABLE AND PROJECTABLE SURFACE, DIMENSIONS AS NOTED
- L.2 RECESSED, CEILING MOUNTED PROJECTION SCREEN
- L.3 WALL MOUNTED PROJECTOR ABOVE
- L.4 EMERGENCY SAFETY SHOWER WITH EYEWASH
- L.5 115313 CHEMICAL FUME HOOD W/ STORAGE BELOW. TYPICAL FUME HOOD TO HAVE ELECTRIC AND UTILITIES AS INDICATED.
- L.6 WOOD LAB CASEWORK MICROSCOPE CAB
- L.7 WOOD LAB CASEWORK: TALL CABINET WITH OPEN CUBBIES FOR BOOK BAG STORAGE
- L.8 115313 CHEMICAL FUME HOOD - ACCESSIBLE - WITH MOBILE STORAGE BELOW, WHERE SHOWN. TYPICAL FUME HOOD TO HAVE ELECTRIC, AND UTILITIES AS INDICATED.
- L.9 CAB BELOW WHITEBOARD
- L.11 CAMERA FOR SKYPE INTERVIEW
- L.12 GAS CYLINDER STORAGE RACK (CFI), CYLINDERS TO BE "OFOI"
- L.14 RECESSED MOTORIZED ROOM DARKENING / BLACKOUT SHADES. USE DOUBLE SHADES AT WEST CLASSROOMS LEVEL 02 AND LECTURE HALL. REFER TO REFLECTED CEILING PLANS
- L.15 LCD MONITOR
- L.16 MOBILE LABORATORY CASEWORK SYSTEM. SEE DETAIL 09A0911
- L.19 MOVEABLE WOOD LABORATORY CASEWORK: TABLE WITH MODIFIED EPOXY COUNTERTOP, CABINETS SUSPENDED BELOW AS INDICATED.
- L.20 FIXED WOOD LABORATORY CASEWORK: BASE CABINETS, MODIFIED EPOXY COUNTERTOP, WALL CABINETS AS SHOWN ON ELEVATION
- L.21 SEE CEILING PLAN FOR CEILING MOUNTED UNISTRUT SYSTEM SUPPORTED BY STRUCTURE ABOVE
- L.22 8" DEEP x 6" WIDE TRENCH WITH METAL COVER TO RECEIVE FLOOR FINISH TO MATCH ADJACENT FLOOR
- L.23 FLOOR BOX FOR ELECTRICAL & DATA
- L.24 09 6666 DRY ERASE FINISH (AWC-1)
- L.25 PROVIDE BLOCKING FOR FIRE EXTINGUISHER, MOUNTING HEIGHT - 3'-0" TO TOP OF EXTINGUISHER, FIRE EXTINGUISHER & ITS BRACKET BY OWNER.
- L.26 POINT EXHAUST (SNORKEL) FOR SOLDERING. SEE DETAIL 5/ A0913.

LAB UTILITY LEGEND

- CW WATER COLD WATER FAUCET, DECK MOUNTED GOOSENECK WITH SERRATED NOZZLE, VACUUM BREAKER
- W-1 WATER GENERAL MIXING FAUCET, DECK MOUNTED WITH VACUUM BREAKER, SERRATED NOZZLE.
- DI WATER FAUCET DECK MOUNTED.
- PWS WATER PROCESS COLD WATER SUPPLY.
- PWR WATER PROCESS COLD WATER RETURN.
- EW WATER EYEWASH, DECK MOUNTED, AUTOFLOW SWING-DOWN.
- DH WATER DRENCH HOSE
- G GAS FUME HOOD CONTROL
- V VAC FUME HOOD CONTROL
- V-3 VAC WALL MOUNTED, SINGLE SERRATED OUTLET
- V-1 VAC TURRET BASE, SINGLE SERRATED OUTLET
- V-4 VAC OUTLET FOR BIOSAFETY CABINET CONNECTIONS
- V-5 VAC QUICK DISCONNECT FOR OVERHEAD SERVICE CARRIER
- AIR FUME HOOD CONTROL
- A-1 AIR TURRET BASE, SINGLE SERRATED OUTLET
- A-3 AIR WALL MOUNTED, SINGLE SERRATED OUTLET
- A-4 AIR OUTLET FOR BIOSAFETY CABINET CONNECTIONS
- A-5 AIR QUICK DISCONNECT FOR OVERHEAD SERVICE CARRIER
- N NITROGEN FUMEHOOD CONTROL
- E ELEC DUPLEX OUTLET (CFI) ON FUME HOOD
- E-1 COUNTERTOP MOUNTED PEDESTAL, (1) DUPLEX ELECTRICAL OUTLET.
- E-2 COUNTERTOP MOUNTED PEDESTAL, (2) DUPLEX ELECTRICAL OUTLET.
- E-3 ELEC WALL MOUNTED, (1) DUPLEX ELECTRICAL OUTLET.
- E-5 ELEC DUPLEX ELECTRICAL OUTLET ON OVERHEAD SERVICE CARRIER
- E-6 ELEC DUPLEX ELECTRICAL OUTLET ON TABLE APRON
- D DATA DATA OUTLET
- D-1 DATA COUNTERTOP MOUNTED PEDESTAL, (2) DATA OUTLETS
- D-5 DATA DATA OUTLET ON OVERHEAD SERVICE CARRIER
- D-6 DATA DATA OUTLET ON TABLE APRON
- CS CUP SINK LIPPED MODIFIED EPOXY CUP SINK.
- S-1 SINK 9" Lx3" W OVAL (DROP-IN).
- S-2 LIPPED MODIFIED EPOXY ADA SINK 25" Lx15" Wx10" D (DROP-IN).
- S-3 SINK LIPPED MODIFIED EPOXY ADA SINK 25" Lx15" Wx5" D (DROP-IN).
- S-4 SINK STAINLESS STEEL ADA SINK 25" Lx15" Wx5" D (DROP-IN).
- S-5 SINK LIPPED MODIFIED EPOXY ADA SINK 18" Lx15" Wx5" D (DROP-IN).
- S-6 SINK LIPPED MODIFIED EPOXY SINK, 36" Lx15" Wx10" D (DROP-IN).
- OSC OVERHEAD SERVICE CARRIER. SEE DETAIL 10 / A0913.
- PTD PAPER TOWEL DISPENSER

CHEMICAL FUME HOOD LEGEND

- CFH-4 4'-0" WIDE CHEMICAL FUME HOOD
- CFH-6 6'-0" WIDE CHEMICAL FUME HOOD

LAB GENERAL NOTES

- ALL DIMENSIONS ARE TO GWB FACE PARTITION OR COLUMN CENTER LINE U.N.O.
- OWNER FURNISHED OWNER INSTALLED (OFOI) ITEMS ARE SHOWN DASHED FOR REFERENCE ONLY. COORDINATE SIZE AND INSTALLATION REQUIREMENTS WITH OWNER'S REPRESENTATIVE.
- CENTER ALL DRYING RACKS WITH DRIP STOP TROUGHS ABOUT CENTERLINE OF SINKS, U.N.O.
- ALL APRONS AT OPEN KNEE SPACE TO BE 4" U.N.O. PROVIDE APRON OF SOLID WOOD WITH EASED BOTTOM EDGE. FINISH TO MATCH VENEER SPECIES. MAINTAIN MINIMUM 27" CLEAR ABOVE FLOOR FINISH.
- CENTER ALL COUNTERTOP MOUNTED UTILITY OUTLETS ON CENTER OF CASEWORK U.N.O.
- ALL SURFACE MOUNTED RACEWAY TO HAVE OUTLETS AT 2'-0" O.C. AND SHALL BE MOUNTED DIRECTLY ABOVE BACKSPASH U.N.O.
- ALL BACKSPASHES TO BE 4" HIGH U.N.O.
- DASHED LINES ON ELEVATIONS INDICATED ADJUSTABLE SHELVING INSIDE CASEWORK.
- PROVIDE FINISHED BACK PANEL AT KNEE SPACES BELOW ALL FUMEHOODS, TYPICAL. SIMILAR TO DETAIL.
- PROVIDE FINISHED BACK PANEL AT ALL KNEE SPACES, TYPICAL. PROVIDE LOCK AND KEY WHERE A CIRCLE NEXT TO DRAWER OR DOOR HANDLE IS SHOWN OR WHERE NOTED.
- REFER SHEETS A0913 FOR LABORATORY CASEWORK / MILLWORK DETAILS.
- FOR TYPICAL MOUNTING HEIGHTS REF. 1/A0911
- ALL CASEWORK TO BE WOOD U.N.O.
- ALL CASEWORK IS LABORATORY CASEWORK UNLESS NOTED AS MILLWORK OR OFOI. SEE DIVISION "12 3553 - LABORATORY CASEWORK" FOR SPECIFICATIONS.
- ALL EQUIPMENT ITEMS HAVE A EQUIPMENT TAG - XX-XX-XX. SEE SHEETS A1104 FOR EQUIPMENT SCHEDULES.
- PROVIDE PAPER TOWEL DISPENSER (PTD) AT EACH SINK LOCATION.



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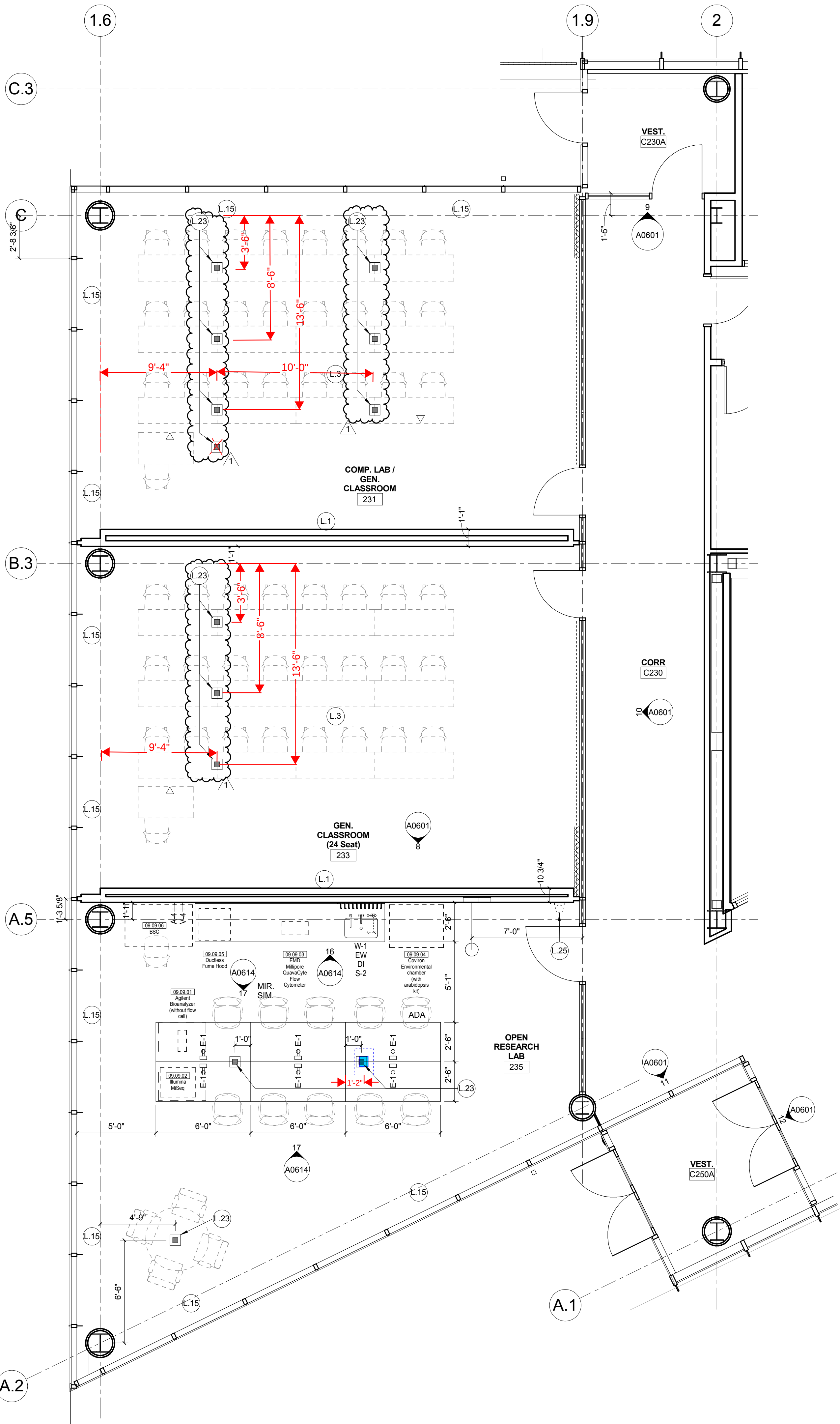
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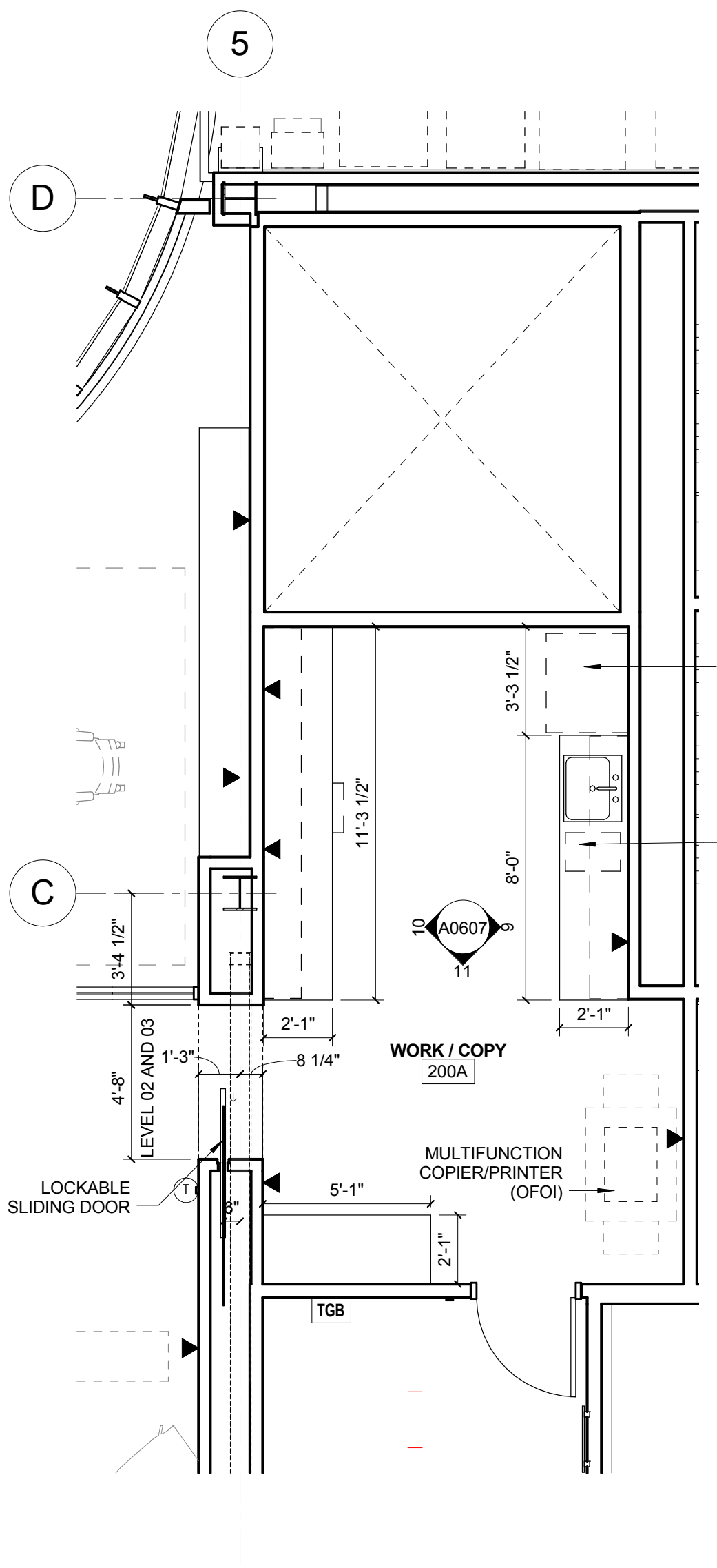
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A0203

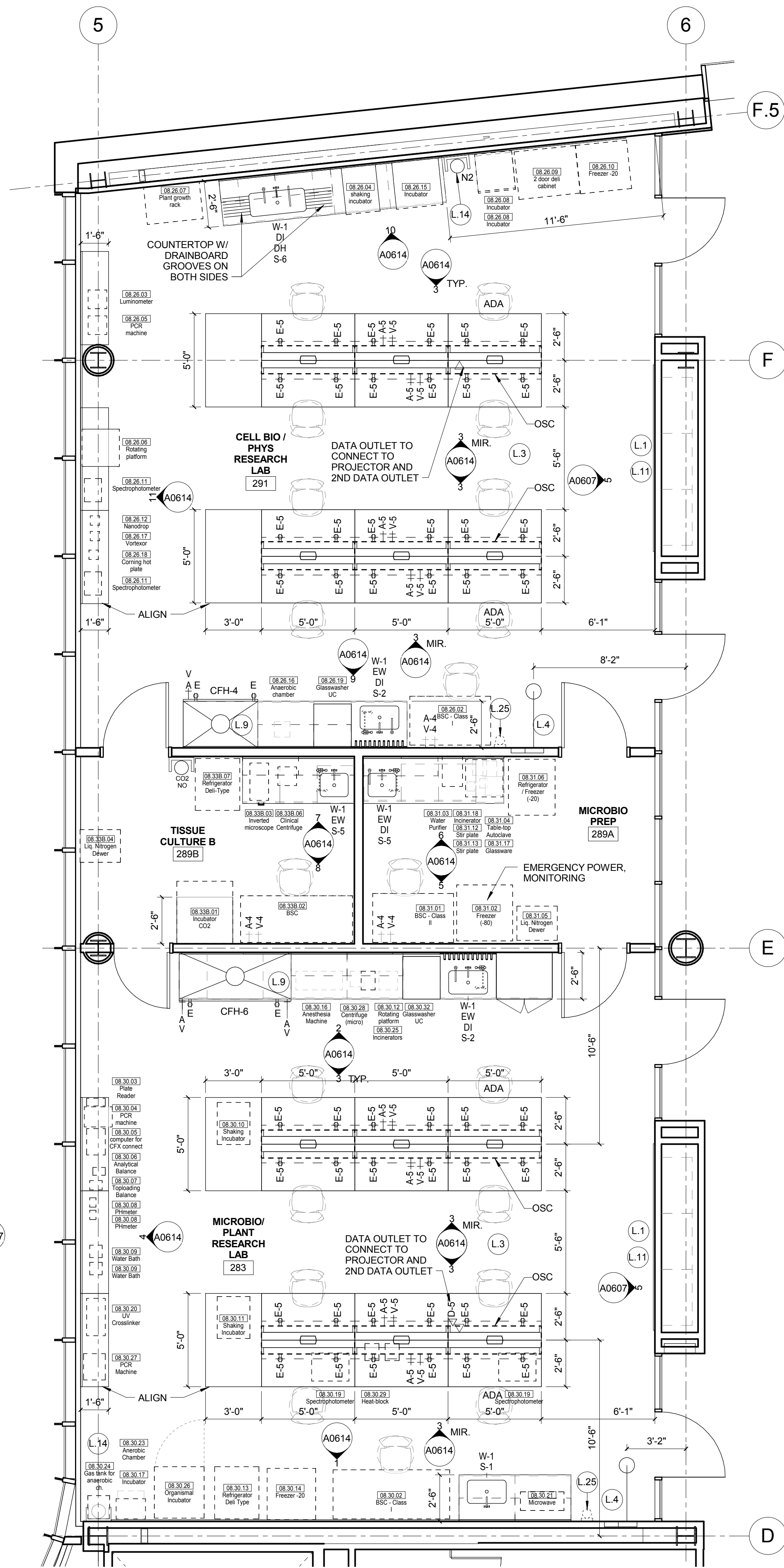
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3 LEVEL 02 - AREA B - WEST - CLASSROOMS
1/4" = 1'-0"



2 LEVEL 02 - AREA B - WORKROOM
1/4" = 1'-0"



1 LEVEL 02 - AREA A - WEST - BIO LABS
1/4" = 1'-0"

LAB KEYED NOTE LEGEND

- L.1 WRITABLE AND PROJECTABLE SURFACE. DIMENSIONS AS NOTED
- L.2 RECESSED, CEILING MOUNTED PROJECTION SCREEN
- L.3 WALL MOUNTED PROJECTOR ABOVE
- L.4 EMERGENCY SAFETY SHOWER WITH EYEWASH
- L.5 115313 CHEMICAL FUME HOOD W/ STORAGE BELOW. TYPICAL FUME HOOD TO HAVE ELECTRIC AND UTILITIES AS INDICATED.
- L.6 WOOD LAB CASEWORK MICROSCOPE CAB
- L.7 WOOD LAB CASEWORK TALL CABINET WITH OPEN CUBBIES FOR BOOK BAG STORAGE
- L.8 115313 CHEMICAL FUME HOOD - ACCESSIBLE - WITH MOBILE STORAGE BELOW, WHERE SHOWN. TYPICAL FUME HOOD TO HAVE ELECTRIC, AND UTILITIES AS INDICATED.
- L.9 CABS BELOW WHITEBOARD
- L.10 CAMERA FOR SKYPE INTERVIEW
- L.11 GAS CYLINDER STORAGE RACK (CFOI), CYLINDERS TO BE "OFOI"
- L.12 RECESSED MOTORIZED ROOM DARKENING / BLACKOUT SHADES. USE DOUBLE SHADES AT WEST CLASSROOMS LEVEL 02 AND LECTURE HALL. REFER TO REFLECTED CEILING PLANS
- L.13 LCD MONITOR
- L.14 MOBILE LABORATORY CASEWORK SYSTEM. SEE DETAIL 09A0911.
- L.15 MOVEABLE WOOD LABORATORY CASEWORK. TABLE WITH MODIFIED EPOXY COUNTERTOP. CABINETS SUSPENDED BELOW AS INDICATED.
- L.16 FIXED WOOD LABORATORY CASEWORK. BASE CABINETS, MODIFIED EPOXY COUNTERTOP. WALL CABINETS AS SHOWN ON ELEVATION
- L.17 SEE CEILING PLAN FOR CEILING MOUNTED UNISTRUT SYSTEM SUPPORTED BY STRUCTURE ABOVE
- L.18 8" DEEP x 6" WIDE TRENCH WITH METAL COVER TO RECEIVE FLOOR FINISH TO MATCH ADJACENT FLOOR
- L.19 FLOOR BOX FOR ELECTRICAL & DATA
- L.20 09 6666 DRY ERASE FINISH (AWC-1)
- L.21 PROVIDE BLOCKING FOR FIRE EXTINGUISHER, MOUNTING HEIGHT - 3'-0" TO TOP OF EXTINGUISHER. FIRE EXTINGUISHER & ITS BRACKET BY OWNER.
- L.22 POINT EXHAUST (SNORKEL) FOR SOLDERING. SEE DETAIL 5/ A0913.

LAB UTILITY LEGEND

- CW WATER COLD WATER FAUCET, DECK MOUNTED GOOSENECK WITH SERRATED NOZZLE, VACUUM BREAKER
- W-1 WATER GENERAL MIXING FAUCET, DECK MOUNTED WITH VACUUM BREAKER, SERRATED NOZZLE
- DI WATER DI WATER FAUCET DECK MOUNTED
- PWS WATER PROCESS COLD WATER SUPPLY
- PWR WATER PROCESS COLD WATER RETURN
- EW WATER EYEWASH, DECK MOUNTED, AUTOFLOW SWING-DOWN
- DH WATER DRENCH HOSE
- G GAS FUME HOOD CONTROL
- V VAC FUME HOOD CONTROL
- V-3 VAC WALL MOUNTED, SINGLE SERRATED OUTLET
- V-1 VAC TURRET BASE, SINGLE SERRATED OUTLET
- V-4 VAC OUTLET FOR BIOSAFETY CABINET CONNECTIONS
- V-5 VAC QUICK DISCONNECT FOR OVERHEAD SERVICE CARRIER
- A AIR FUME HOOD CONTROL
- A-1 AIR TURRET BASE, SINGLE SERRATED OUTLET
- A-3 AIR WALL MOUNTED, SINGLE SERRATED OUTLET
- A-4 AIR OUTLET FOR BIOSAFETY CABINET CONNECTIONS
- A-5 AIR QUICK DISCONNECT FOR OVERHEAD SERVICE CARRIER
- N NITROGEN FUMEHOOD CONTROL
- ELEC. DUPLEX OUTLET (GF) ON FUME HOOD
- E-1 ELEC. COUNTERTOP MOUNTED PEDESTAL, (1) DUPLEX ELECTRICAL OUTLET
- E-2 ELEC. COUNTERTOP MOUNTED PEDESTAL, (2) DUPLEX ELECTRICAL OUTLET
- E-3 ELEC. WALL MOUNTED, (1) DUPLEX ELECTRICAL OUTLET
- E-5 ELEC. DUPLEX ELECTRICAL OUTLET ON OVERHEAD SERVICE CARRIER
- E-6 ELEC. DUPLEX ELECTRICAL OUTLET ON TABLE APRON
- D DATA DATA OUTLET
- D-1 DATA COUNTERTOP MOUNTED PEDESTAL, (2) DATA OUTLETS
- D-5 DATA DATA OUTLET ON OVERHEAD SERVICE CARRIER
- D-6 DATA DATA OUTLET ON TABLE APRON
- CS CUP SINK LIPPED MODIFIED EPOXY CUP SINK, 9"x3" W OVAL (DROP-IN)
- S-1 SINK LIPPED MODIFIED EPOXY ADA SINK 25"x15"x10" (DROP-IN)
- S-2 SINK LIPPED MODIFIED EPOXY ADA SINK 25"x15"x15"x5" (DROP-IN)
- S-3 SINK STAINLESS STEEL SINK 25"x15"x10" (DROP-IN)
- S-4 SINK STAINLESS STEEL ADA SINK 25"x15"x15"x5" (DROP-IN)
- S-5 SINK LIPPED MODIFIED EPOXY ADA SINK 18"x15"x5" (DROP-IN)
- S-6 SINK LIPPED MODIFIED EPOXY SINK, 36"x15"x10" (DROP-IN)
- OSC OVERHEAD SERVICE CARRIER. SEE DETAIL 10 / A0913
- PTD PAPER TOWEL DISPENSER

CHEMICAL FUME HOOD LEGEND

- CFH-4 4'-0" WIDE CHEMICAL FUME HOOD
- CFH-6 6'-0" WIDE CHEMICAL FUME HOOD

LAB GENERAL NOTES

- ALL DIMENSIONS ARE TO GWB FACE PARTITION OR COLUMN CENTERLINE U.N.O.
- OWNER FURNISHED OWNER INSTALLED (OFOI) ITEMS ARE SHOWN DASHED FOR REFERENCE ONLY. COORDINATE SIZE AND INSTALLATION REQUIREMENTS WITH OWNER'S REPRESENTATIVE.
- CENTERLINE OF SINKS, U.N.O.
- ALL APRONS AT OPEN KNEE SPACE TO BE 4" U.N.O. PROVIDE APRON OF SOLID WOOD WITH EASED BOTTOM EDGE. FINISH TO MATCH VENEER SPECIES. MAINTAIN MINIMUM 27" CLEAR ABOVE FLOOR FINISH.
- CENTER ALL COUNTERTOP MOUNTED UTILITY OUTLETS ON CENTER OF CASEWORK U.N.O.
- ALL SURFACE MOUNTED RACEWAY TO HAVE OUTLETS AT 2'-0" O.C. AND SHALL BE MOUNTED DIRECTLY ABOVE BACKSPLASH U.N.O.
- ALL BACKSPLASHES TO BE 4" HIGH U.N.O.
- DASHED LINES ON ELEVATIONS INDICATED ADJUSTABLE SHELVING INSIDE CASEWORK
- PROVIDE FINISHED BACK PANEL AT KNEE SPACES BELOW ALL FUMEHOODS, TYPICAL, SIMILAR TO DETAIL
- PROVIDE FINISHED BACK PANEL AT ALL KNEE SPACES, TYPICAL
- PROVIDE LOCK AND KEY WHERE A CIRCLE NEXT TO DRAWER OR DOOR HANDLE IS SHOWN OR WHERE NOTED
- REFER SHEETS A0914 FOR LABORATORY CASEWORK / MILLWORK DETAILS
- FOR TYPICAL MOUNTING HEIGHTS REF. 1A0911
- ALL CASEWORK TO BE WOOD U.N.O.
- ALL CASEWORK IS LABORATORY CASEWORK UNLESS NOTED AS MILLWORK OR OFOI. SEE DIVISION 12 5655 - LABORATORY CASEWORK FOR SPECIFICATIONS
- ALL EQUIPMENT ITEMS HAVE AN EQUIPMENT TAG - XXXXXX. SEE SHEETS A114 FOR EQUIPMENT SCHEDULES
- PROVIDE PAPER TOWEL DISPENSER (PTD) AT EACH SINK LOCATION



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1	ADDENDUM 3-2	15 APR 2016
2	ISSUED FOR CONSTRUCTION (BPS)	15 MAR 2016
No.	Description	Date

Drawing Title:

ENLARGED PLANS-LEVEL 02

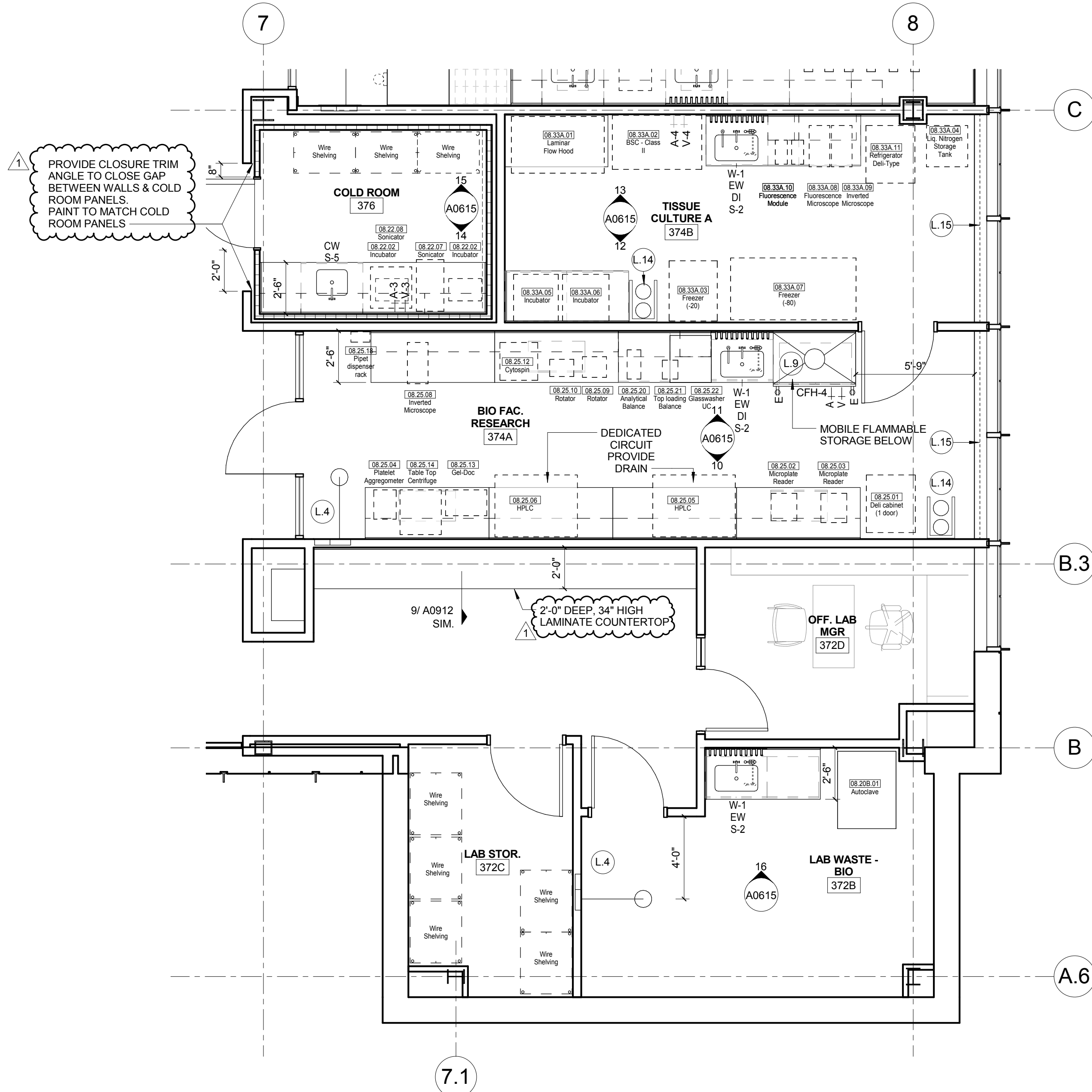
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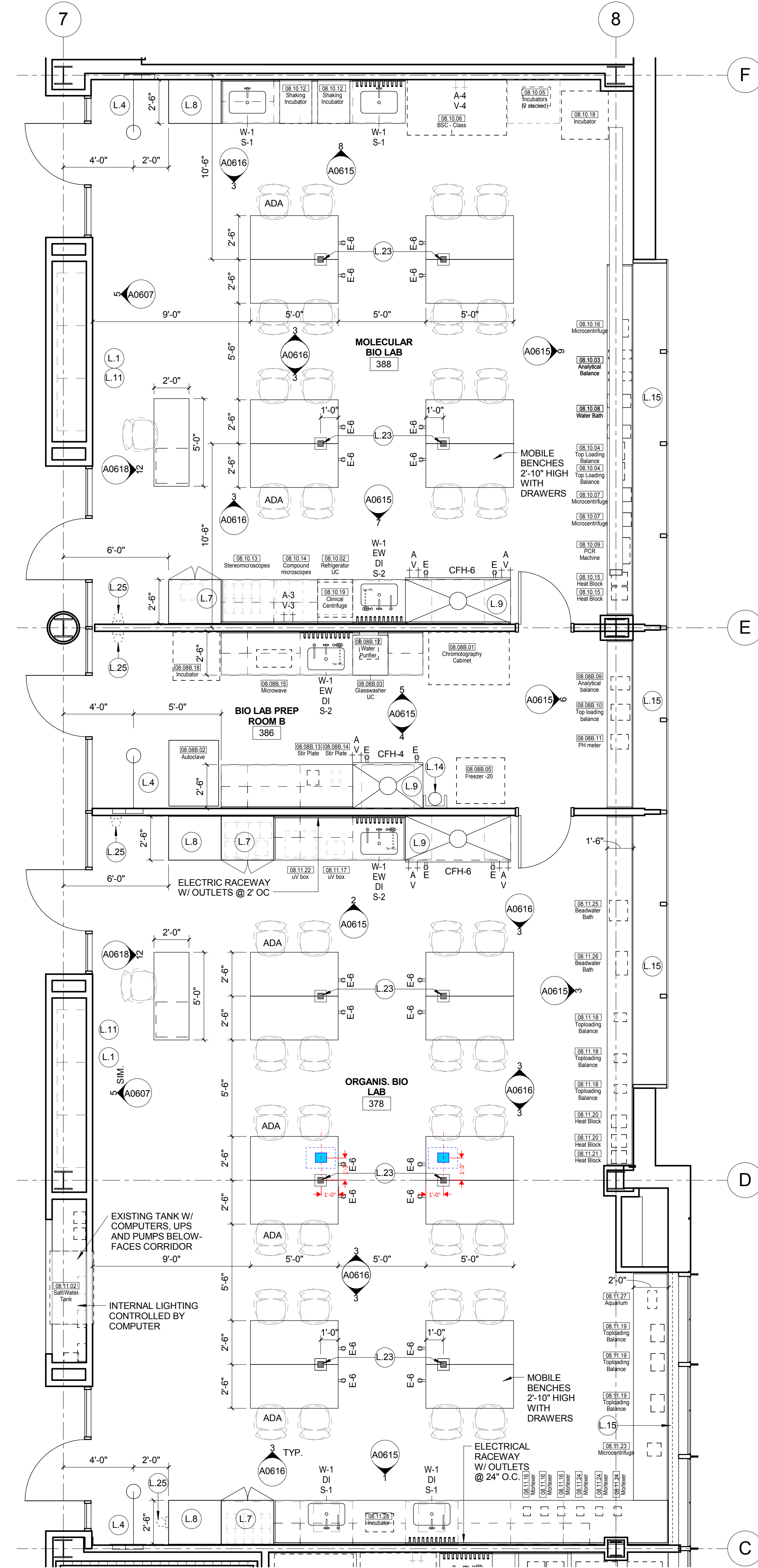
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2 LEVEL 03 - BIOLOGY - EAST SIDE-S
1/4" = 1'-0"



1 LEVEL 03 - BIOLOGY - EAST SIDE-N
1/4" = 1'-0"



LAB KEYED NOTE LEGEND

- L.1 WRITABLE AND PROJECTABLE SURFACE. DIMENSIONS AS NOTED
L.2 RECESSED, CEILING MOUNTED PROJECTION SCREEN
L.3 WALL MOUNTED PROJECTOR ABOVE
L.4 EMERGENCY SAFETY SHOWER WITH EYEWASH
L.5 115313 CHEMICAL FUME HOOD W/ STORAGE BELOW. TYPICAL FUME HOOD TO HAVE ELECTRIC AND UTILITIES AS INDICATED.
L.6 WOOD LAB CASEWORK MICROSCOPE CAB
L.7 WOOD LAB CASEWORK. TALL CABINET WITH OPEN CUBBIES FOR BOOK BAG STORAGE.
L.8 115313 CHEMICAL FUME HOOD - ACCESSIBLE - WITH MOBILE STORAGE BELOW, WHERE SHOWN. TYPICAL FUME HOOD TO HAVE ELECTRIC, AND UTILITIES AS INDICATED.
L.9 CABS BELOW WHITEBOARD
L.10 CAMERA FOR SKYPE INTERVIEW
L.11 GAS CYLINDER STORAGE RACK (CFI), CYLINDERS TO BE "OFO"
L.12 RECESSED MOTORIZED ROOM DARKENING / BLACKOUT SHADES. USE DOUBLE SHADES AT WEST CLASSROOMS LEVEL 02 AND LECTURE HALL. REFER TO REFLECTED CEILING PLANS LCD MONITOR
L.13 MOBILE LABORATORY CASEWORK SYSTEM. SEE DETAIL 09A0911.
L.14 MOVEABLE WOOD LABORATORY CASEWORK. TABLE WITH MODIFIED EPOXY COUNTERTOP, WALL CABINETS AS SHOWN ON ELEVATION
L.15 SEE CEILING PLAN FOR CEILING MOUNTED UNISTRUT SYSTEM SUPPORTED BY STRUCTURE ABOVE
L.16 8" DEEP x 8" WIDE TRENCH WITH METAL COVER TO RECEIVE FLOOR FINISH TO MATCH ADJACENT FLOOR
L.17 FLOOR BOX FOR ELECTRICAL & DATA
L.18 09 6866 DRY ERASE FINISH (AWC-1)
L.19 PROVIDE BLOCKING FOR FIRE EXTINGUISHER. MOUNTING HEIGHT - 3'-0" TO TOP OF EXTINGUISHER. FIRE EXTINGUISHER & ITS BRACKET BY OWNER.
L.20 POINT EXHAUST (SNORKEL) FOR SOLDERING. SEE DETAIL 5/ A0913.

LAB UTILITY LEGEND

- CW WATER COLD WATER FAUCET, DECK MOUNTED GOOSENECK WITH SERRATED NOZZLE, VACUUM BREAKER.
W-1 WATER GENERAL MIXING FAUCET, DECK MOUNTED WITH VACUUM BREAKER, SERRATED NOZZLE.
DI WATER PROCESS COLD WATER SUPPLY.
PWS WATER PROCESS COLD WATER RETURN.
EW WATER EYEWASH, DECK MOUNTED, AUTOFLOW SWING-DOWN.
DH WATER DRENCH HOSE.
G GAS FUME HOOD CONTROL
V VAC FUME HOOD CONTROL
V-3 VAC WALL MOUNTED, SINGLE SERRATED OUTLET
V-1 VAC TURRET BASE, SINGLE SERRATED OUTLET
V-4 VAC OUTLET FOR BIOSAFETY CABINET CONNECTIONS
V-5 VAC QUICK DISCONNECT FOR OVERHEAD SERVICE CARRIER
A-1 AIR FUME HOOD CONTROL
A-3 AIR TURRET BASE, SINGLE SERRATED OUTLET
A-4 AIR WALL MOUNTED, SINGLE SERRATED OUTLET
A-5 AIR QUICK DISCONNECT FOR OVERHEAD SERVICE CARRIER
N NITROGEN FUMEHOOD CONTROL
ELEC. ELEC. OUTLET (GFI) ON FUME HOOD
E-1 ELEC. COUNTERTOP MOUNTED PEDESTAL, (1) DUPLEX ELECTRICAL OUTLET.
E-2 ELEC. COUNTERTOP MOUNTED PEDESTAL, (2) DUPLEX ELECTRICAL OUTLET.
E-3 ELEC. WALL MOUNTED, (1) DUPLEX ELECTRICAL OUTLET.
E-5 ELEC. DUPLEX ELECTRICAL OUTLET ON OVERHEAD SERVICE CARRIER
D DATA DATA OUTLET
D-1 DATA COUNTERTOP MOUNTED PEDESTAL, (2) DATA OUTLETS
D-5 DATA DATA OUTLET ON OVERHEAD SERVICE CARRIER
D-6 DATA DATA OUTLET ON TABLE APRON
S SINK LIPPED MODIFIED EPOXY CUP SINK, 9"x3" W OVAL (DROP-IN).
S-1 SINK LIPPED MODIFIED EPOXY SINK, 25"x15"x10" (DROP-IN).
S-2 SINK LIPPED MODIFIED EPOXY ADA SINK 25"x15"x6" (DROP-IN).
S-3 SINK STAINLESS STEEL ADA SINK 25"x15"x10" (DROP-IN).
S-4 SINK STAINLESS STEEL ADA SINK 25"x15"x6" (DROP-IN).
S-5 SINK LIPPED MODIFIED EPOXY ADA SINK 18"x15"x6" (DROP-IN).
S-6 SINK LIPPED MODIFIED EPOXY SINK, 36"x15"x10" (DROP-IN).
OSC OVERHEAD SERVICE CARRIER. SEE DETAIL 10 / A0913.
PTD PAPER TOWEL DISPENSER

CHEMICAL FUME HOOD LEGEND

- CFH-4 4'-0" WIDE CHEMICAL FUME HOOD
CFH-6 6'-0" WIDE CHEMICAL FUME HOOD

LAB GENERAL NOTES

- ALL DIMENSIONS ARE TO GWB FACE PARTITION OR COLUMN CENTER LINE UNLESS NOTED.
- OWNER FURNISHED OWNER INSTALLED (OFOI) ITEMS ARE SHOWN DASHED FOR REFERENCE ONLY. COORDINATE SIZE AND INSTALLATION REQUIREMENTS WITH OWNERS REPRESENTATIVE.
- CENTER ALL DRYING RACKS WITH DRIP STOP TROUGHS ABOVE CENTERLINE OF SINKS, U.N.O.
- ALL APRONS AT OPEN KNEE SPACE TO BE 4" U.N.O. PROVIDE APRON OF SOLID WOOD WITH EASED BOTTOM EDGE. FINISH TO MATCH VENEER SPECIES. MAINTAIN MINIMUM 2" CLEAR ABOVE FLOOR FINISH.
- CENTER ALL COUNTERTOP MOUNTED UTILITY OUTLETS ON CENTER OF CASEWORK U.N.O.
- ALL SURFACE MOUNTED RACEWAY TO HAVE OUTLETS AT 2'-0" O.C. AND SHALL BE MOUNTED DIRECTLY ABOVE BACKSPASH U.N.O.
- ALL BACKSPASHES TO BE 4" HIGH U.N.O.
- DASHED LINES ON ELEVATIONS INDICATED ADJUSTABLE SHELVE INSIDE CASEWORK.
- PROVIDE FINISHED BACK PANEL AT KNEE SPACES BELOW ALL FUMEHOODS. TYPICAL. SIMILAR TO DETAIL 09A0911.
- PROVIDE FINISHED BACK PANEL AT ALL KNEE SPACES. TYPICAL.
- PROVIDE LOCK AND KEY WHERE A CIRCLE NEXT TO DRAWER OR DOOR HANDLE IS SHOWN OR WHERE NOTED.
- REFER SHEETS A0914 FOR LABORATORY CASEWORK / MILLWORK DETAILS.
- FOR TYPICAL MOUNTING HEIGHTS REF. 1/A0911
- ALL CASEWORK TO BE WOOD U.N.O.
- ALL CASEWORK IS LABORATORY CASEWORK UNLESS NOTED AS MILLWORK OR OFOI. SEE DIVISION 12 3553 - LABORATORY CASEWORK FOR SPECIFICATIONS.
- ALL EQUIPMENT ITEMS HAVE A EQUIPMENT TAG - XX-XX-XX. SEE SHEETS A1144 FOR EQUIPMENT SCHEDULES.
- PROVIDE PAPER TOWEL DISPENSER (PTD) AT EACH SINK LOCATION.



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CONFORMED SET 01 JUL 2016

1	ADDENDUM 3-2	15 APR 2016
2	ISSUED FOR CONSTRUCTION (BP3)	15 MAR 2016
No.	Description	Date

Drawing Title:

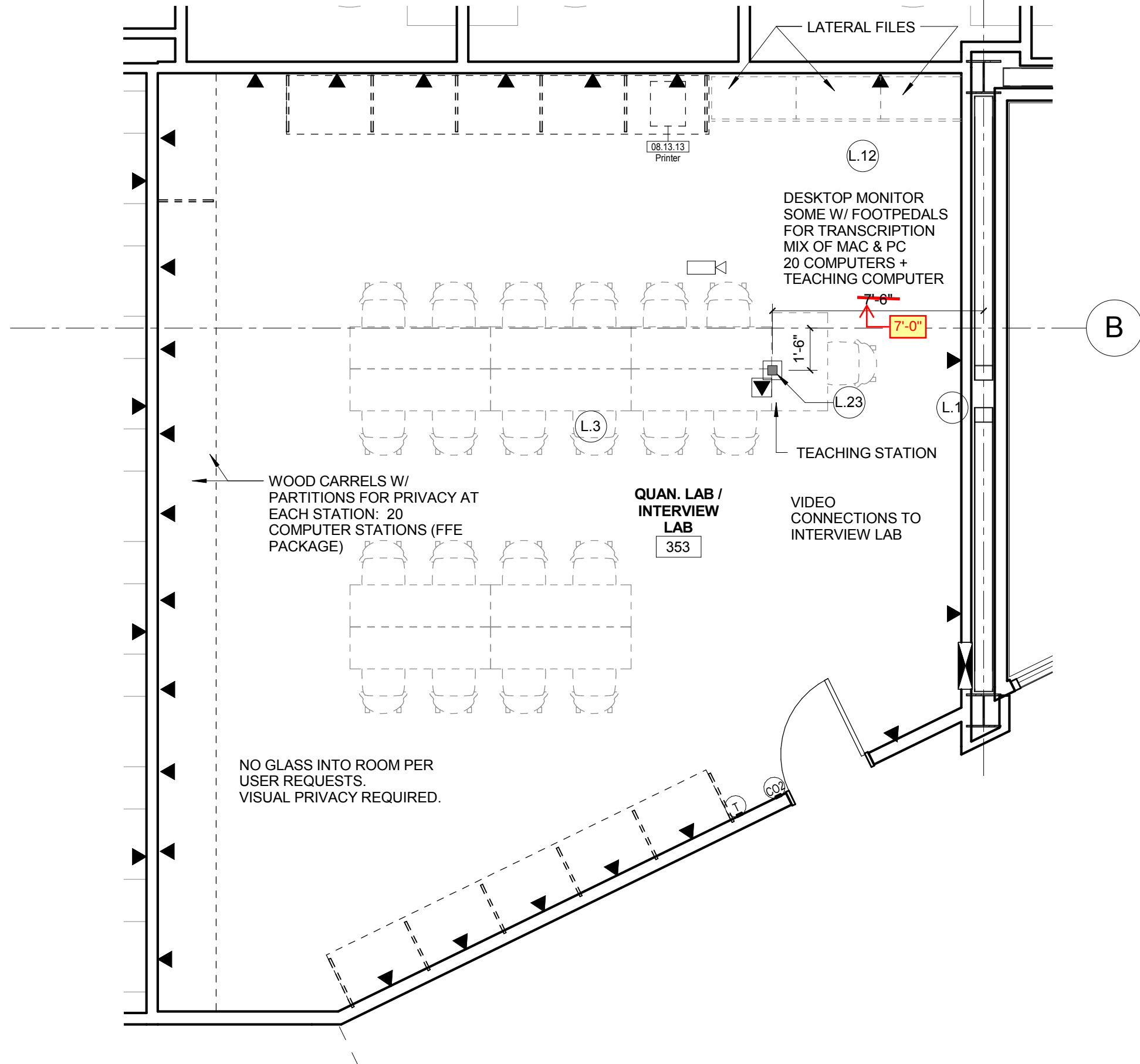
ENLARGED PLANS-LEVEL
03

Project No.: 04561.01 Checked by:

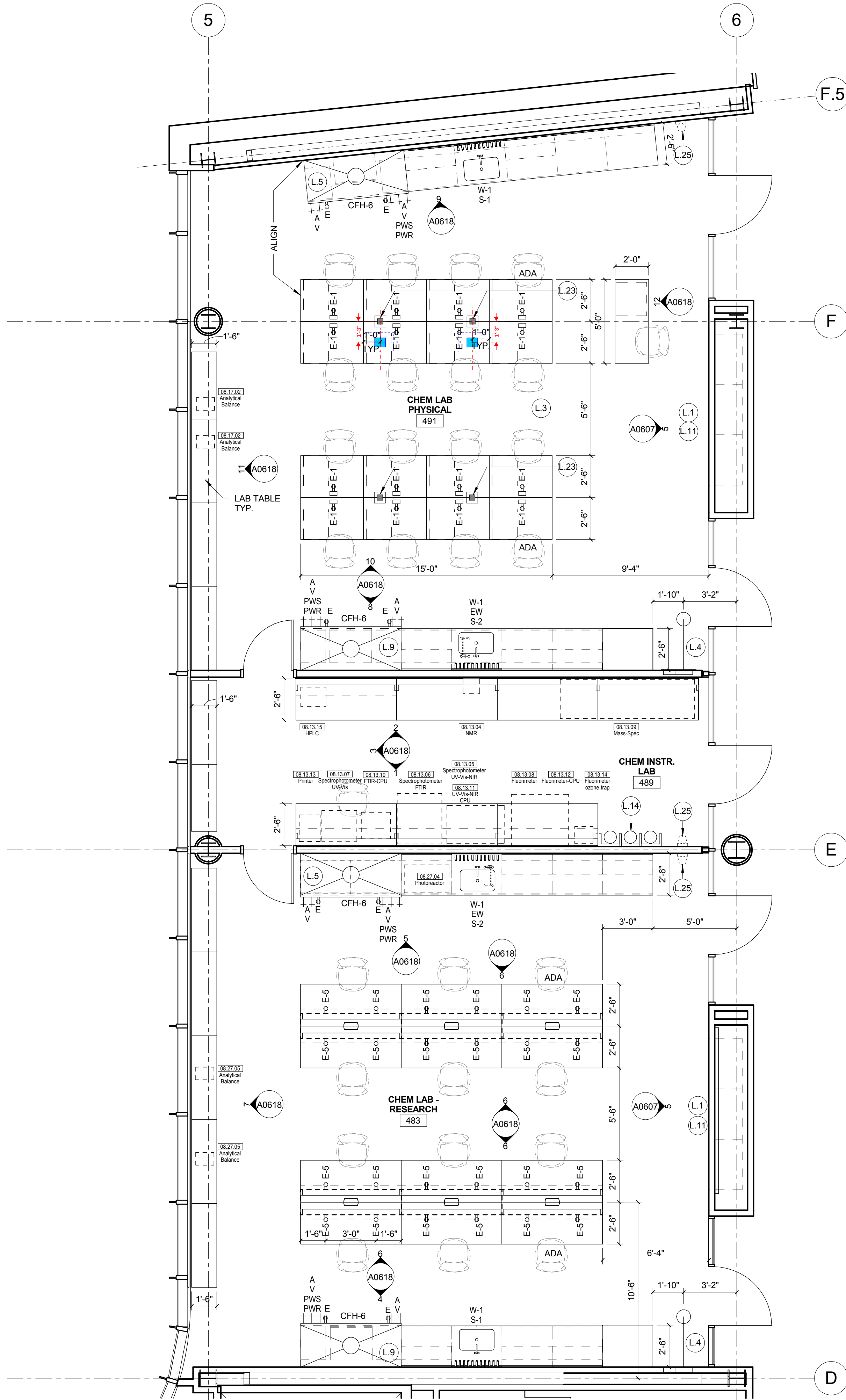
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2 A-FL03-96 - AREA B - Quantitative Lab
1/4" = 1'-0"



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1 L04 - AREA A - WEST CHEMISTRY LAB PLAN
1/4" = 1'-0"

LAB KEYED NOTE LEGEND

- L.1 WRITABLE AND PROJECTABLE SURFACE, DIMENSIONS AS NOTED
- L.2 RECESSED, CEILING MOUNTED PROJECTION SCREEN
- L.3 WALL MOUNTED PROJECTOR ABOVE
- L.4 EMERGENCY SAFETY SHOWER WITH EYEWASH
- L.5 115313 CHEMICAL FUME HOOD W/ STORAGE BELOW. TYPICAL FUME HOOD TO HAVE ELECTRIC AND UTILITIES AS INDICATED.
- L.7 WOOD LAB CASEWORK MICROSCOPE CAB
- L.8 WOOD LAB CASEWORK TALL CABINET WITH OPEN CUBBIES FOR BOOK BAG STORAGE
- L.9 115313 CHEMICAL FUME HOOD - ACCESSIBLE - WITH MOBILE STORAGE BELOW, WHERE SHOWN. TYPICAL FUME HOOD TO HAVE ELECTRIC, AND UTILITIES AS INDICATED.
- L.11 CABS BELOW WHITEBOARD
- L.12 CAMERA FOR SKYPE INTERVIEW
- L.14 GAS CYLINDER STORAGE RACK (CFI), CYLINDERS TO BE "OF" OF
- L.15 RECESSED MOTORIZED ROOM DARKENING / BLACKOUT SHADES. USE DOUBLE SHADES AT WEST CLASSROOMS LEVEL 02 AND LECTURE HALL. REFER TO REFLECTED CEILING PLANS
- L.16 LCD MONITOR
- L.18 MOBILE LABORATORY CASEWORK SYSTEM. SEE DETAIL 09/A0911.
- L.19 MOVEABLE WOOD LABORATORY CASEWORK: TABLE WITH MODIFIED EPOXY COUNTERTOP. CABINETS SUSPENDED BELOW AS INDICATED.
- L.20 FIXED WOOD LABORATORY CASEWORK - BASE CABINETS, MODIFIED EPOXY COUNTERTOP. WALL CABINETS AS SHOWN ON ELEVATION
- L.21 SEE CEILING PLAN FOR CEILING MOUNTED UNISTRUT SYSTEM SUPPORTED BY STRUCTURE ABOVE
- L.22 8" DEEP V 6" WIDE TRENCH WITH METAL COVER TO RECIEVE FLOOR FINISH TO MATCH ADJACENT FLOOR
- L.23 FLOOR BOX FOR ELECTRICAL & DATA
- L.24 09 6666 DRY ERASE FINISH (AWC-1)
- L.25 PROVIDE BLOCKING FOR FIRE EXTINGUISHER, MOUNTING HEIGHT - 3'-0" TO TOP OF EXTINGUISHER. FIRE EXTINGUISHER & ITS BRACKET BY OWNER.
- L.26 POINT EXHAUST (SNORKEL) FOR SOLDERING. SEE DETAIL 5/ A0913.

LAB UTILITY LEGEND

- CW WATER COLD WATER FAUCET, DECK MOUNTED GOOSENECK WITH SERRATED NOZZLE, VACUUM BREAKER
- W-1 WATER GENERAL MIXING FAUCET, DECK MOUNTED WITH VACUUM BREAKER, SERRATED NOZZLE.
- DI WATER DI WATER FAUCET DECK MOUNTED
- PWS WATER PROCESS COLD WATER SUPPLY
- EW WATER EYEWASH, DECK MOUNTED, AUTOFLOW SWING-DOWN, WATER DRENCH HOSE
- G GAS FUME HOOD CONTROL
- V VAC FUME HOOD CONTROL
- V-3 VAC WALL MOUNTED, SINGLE SERRATED OUTLET
- V-1 VAC TURRET BASE, SINGLE SERRATED OUTLET
- V-4 VAC OUTLET FOR BIOSAFETY CABINET CONNECTIONS
- V-5 VAC QUICK DISCONNECT FOR OVERHEAD SERVICE CARRIER
- A AIR FUME HOOD CONTROL
- A-1 AIR TURRET BASE, SINGLE SERRATED OUTLET
- A-3 AIR WALL MOUNTED, SINGLE SERRATED OUTLET
- A-4 AIR OUTLET FOR BIOSAFETY CABINET CONNECTIONS
- A-5 AIR QUICK DISCONNECT FOR OVERHEAD SERVICE CARRIER
- N NITROGEN FUMEHOOD CONTROL
- E ELEC DUPLEX OUTLET (CFI) ON FUME HOOD
- E-1 ELEC COUNTERTOP MOUNTED PEDESTAL, (1) DUPLEX ELECTRICAL OUTLET.
- E-2 ELEC COUNTERTOP MOUNTED PEDESTAL, (2) DUPLEX ELECTRICAL OUTLET.
- E-3 ELEC WALL MOUNTED, (1) DUPLEX ELECTRICAL OUTLET.
- E-5 ELEC DUPLEX ELECTRICAL OUTLET ON OVERHEAD SERVICE CARRIER
- E-6 ELEC DUPLEX ELECTRICAL OUTLET ON TABLE APRON
- D DATA DATA OUTLET
- D-1 DATA COUNTERTOP MOUNTED PEDESTAL, (2) DATA OUTLETS
- D-5 DATA DATA OUTLET ON OVERHEAD SERVICE CARRIER
- D-6 DATA DATA OUTLET ON TABLE APRON
- CS CUP SINK LIPPED MODIFIED EPOXY CUP SINK, 9"X3" W OVAL (DROP-IN).
- S-1 SINK LIPPED MODIFIED EPOXY SINK, 25"Lx15"Wx10"D (DROP-IN).
- S-2 SINK LIPPED MODIFIED EPOXY ADA SINK 25"Lx15"Wx6"D (DROP-IN).
- S-3 SINK STAINLESS STEEL SINK 25"Lx15"Wx10"D (DROP-IN).
- S-4 SINK STAINLESS STEEL ADA SINK 25"Lx15"Wx6"D (DROP-IN).
- S-5 SINK LIPPED MODIFIED EPOXY ADA SINK 18"Lx15"Wx5"D (DROP-IN).
- S-6 SINK LIPPED MODIFIED EPOXY SINK, 36"Lx15"Wx10"D (DROP-IN).
- OSC OVERHEAD SERVICE CARRIER. SEE DETAIL 10 / A0913.
- PTD PAPER TOWEL DISPENSER

CHEMICAL FUME HOOD LEGEND

- CFH-4 4'-0" WIDE CHEMICAL FUME HOOD
- CFH-6 6'-0" WIDE CHEMICAL FUME HOOD

LAB GENERAL NOTES

- ALL DIMENSIONS ARE TO GWB FACE PARTITION OR COLUMN CENTER LINE U.N.O.
- OWNER FURNISHED OWNER INSTALLED (OF/OI) ITEMS ARE SHOWN DASHED FOR REFERENCE ONLY. COORDINATE SIZE AND INSTALLATION REQUIREMENTS WITH OWNER'S REPRESENTATIVE.
- CENTER ALL DRYING RACKS WITH DRIP STOP TROUGHS ABOUT CENTERLINE OF SINKS, U.N.O.
- ALL APRONS AT OPEN KNEE SPACE TO BE 4" U.N.O. PROVIDE APRON OF SOLID WOOD WITH EASED BOTTOM EDGE. FINISH TO MATCH VENEER SPECIES. MAINTAIN MINIMUM 2" CLEAR ABOVE FLOOR FINISH.
- CENTER ALL COUNTERTOP MOUNTED UTILITY OUTLETS ON CENTER OF CASEWORK U.N.O.
- ALL SURFACE MOUNTED RACEWAY TO HAVE OUTLETS AT 2'-0" O.C. AND SHALL BE MOUNTED DIRECTLY ABOVE BACKSPLASH U.N.O.
- ALL BACKSPLASHES TO BE 4" HIGH U.N.O.
- DASHED LINES ON ELEVATIONS INDICATED ADJUSTABLE SHELVING INSIDE CASEWORK.
- PROVIDE FINISHED BACK PANEL AT KNEE SPACES BELOW ALL FUMEHOODS. TYPICAL. SIMILAR TO DETAIL 10/A0911
- PROVIDE FINISHED BACK PANEL AT ALL KNEE SPACES. TYPICAL
- PROVIDE LOCK AND KEY WHERE A CIRCLE NEXT TO DRAWER OR DOOR HANDLE IS SHOWN OR WHERE NOTED
- REFER SHEETS A001x FOR LABORATORY CASEWORK / MILLWORK DETAILS
- FOR TYPICAL MOUNTING HEIGHTS REF. 1/A0911
- ALL CASEWORK TO BE WOOD U.N.O.
- ALL CASEWORK IS LABORATORY CASEWORK UNLESS NOTED AS MILLWORK OR OF/OI. SEE DIVISION 12 3555 - LABORATORY CASEWORK FOR SPECIFICATIONS.
- ALL EQUIPMENT ITEMS HAVE A EQUIPMENT TAG - XX-XX-XX. SEE SHEETS A11xx FOR EQUIPMENT SCHEDULES.
- PROVIDE PAPER TOWEL DISPENSER (PTD) AT EACH SINK LOCATION.



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CONFORMED SET 01 JUL 2016

ISSUED FOR CONSTRUCTION (BP3) 15 MAR 2016
No. Description Date

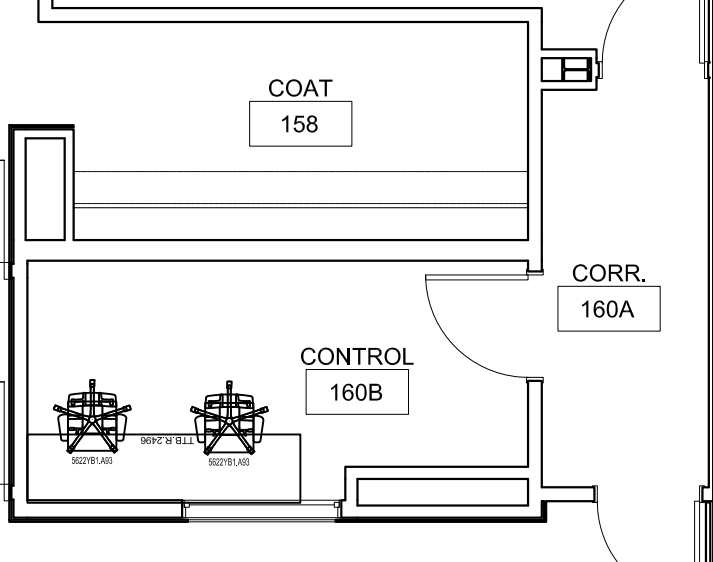
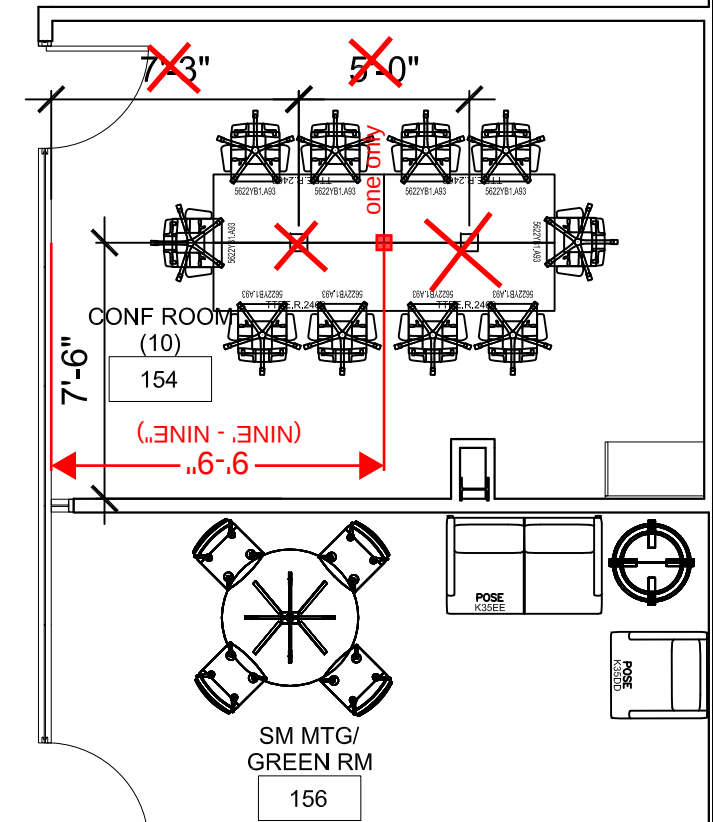
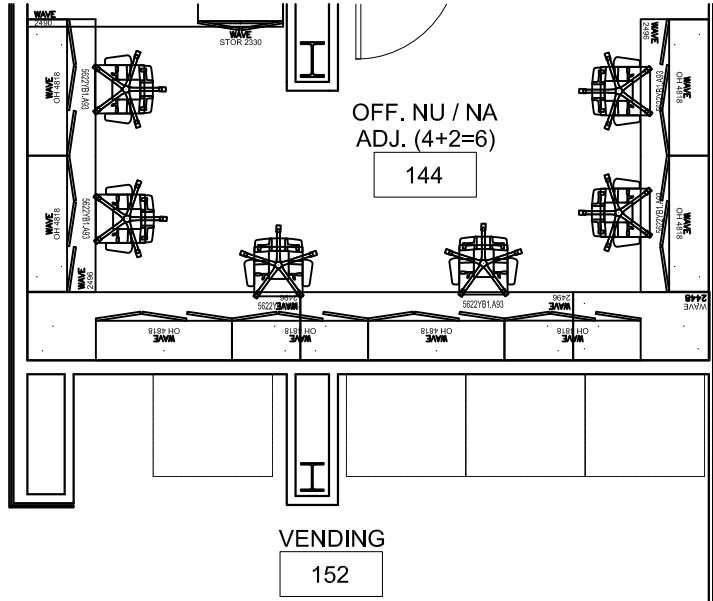
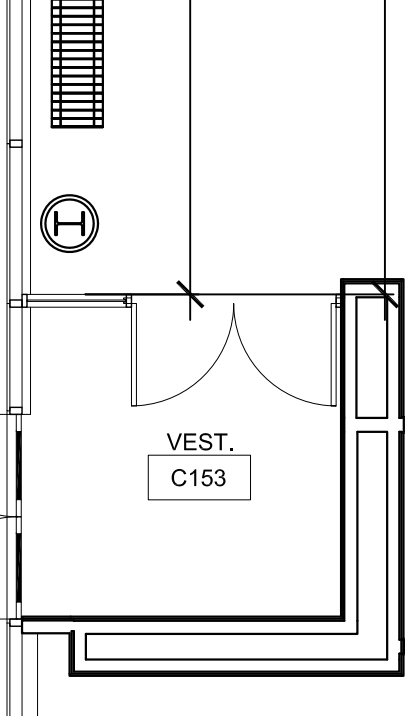
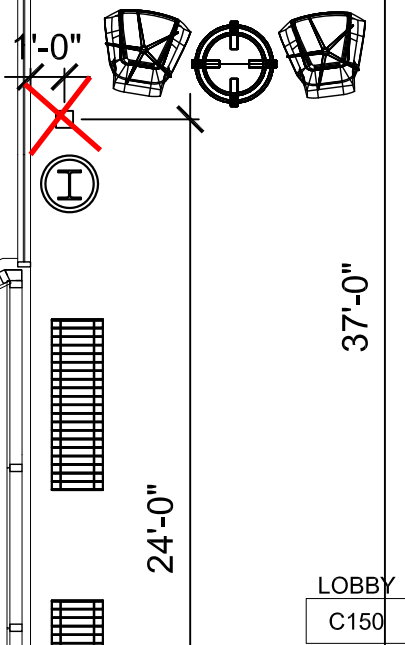
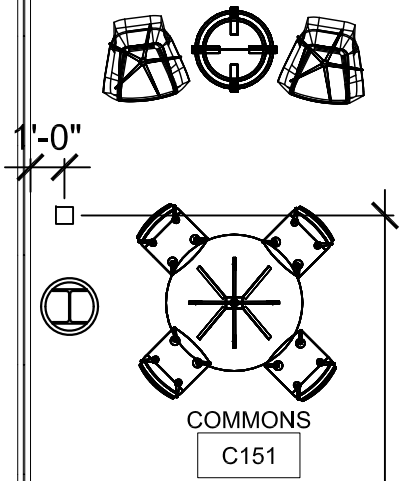
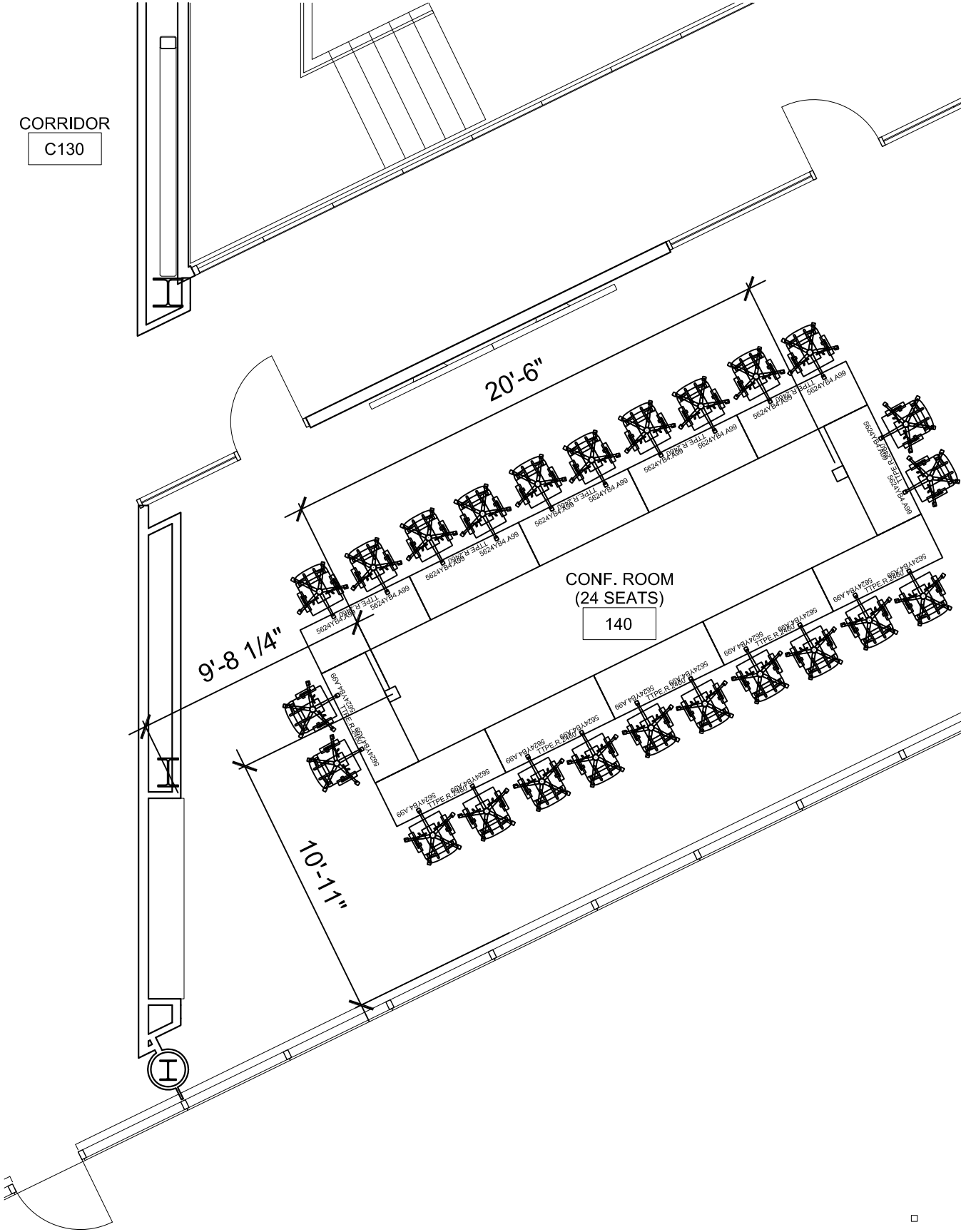
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ENLARGED PLANS-LEVEL
04

Project No.: 04561.01 Checked by:

A0208

CORRIDOR
C130

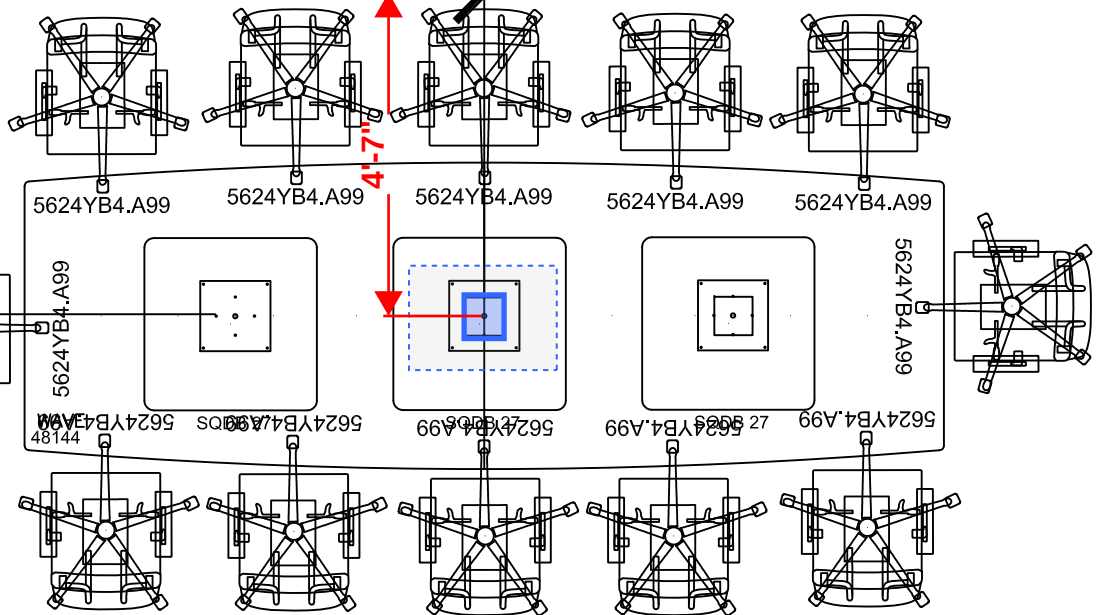


CONF
203

9'-6 3/4"

4'-7"

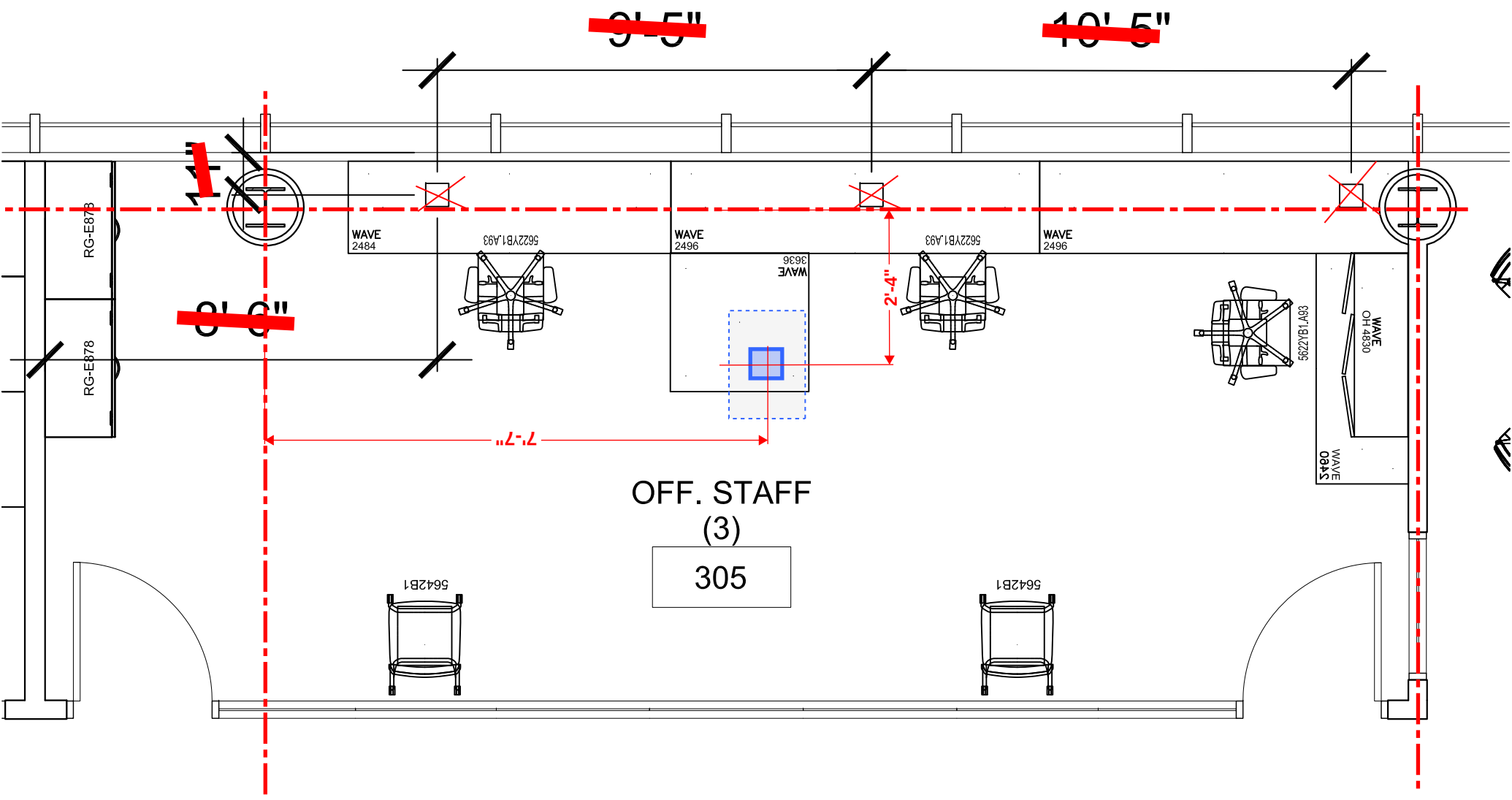
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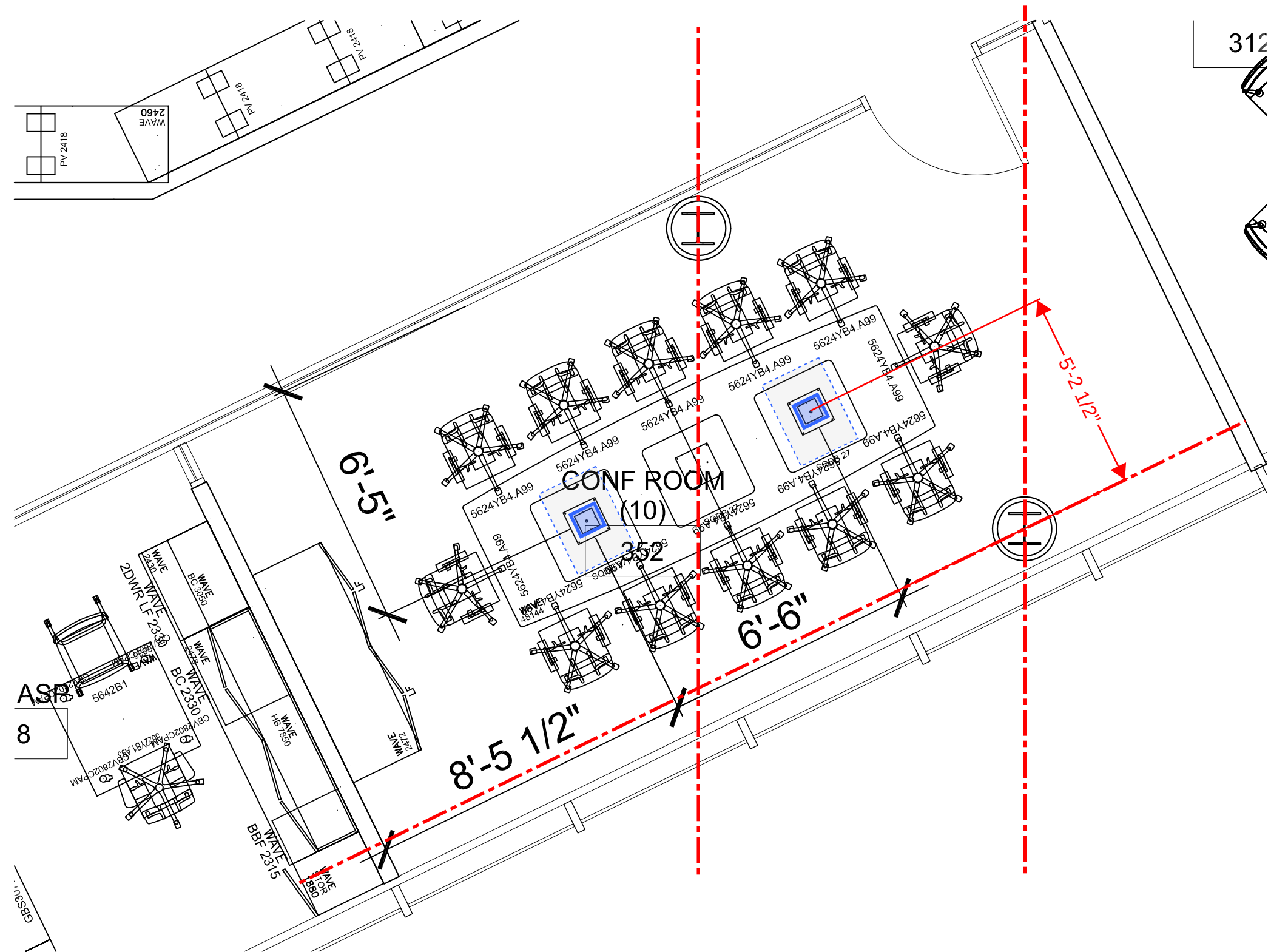


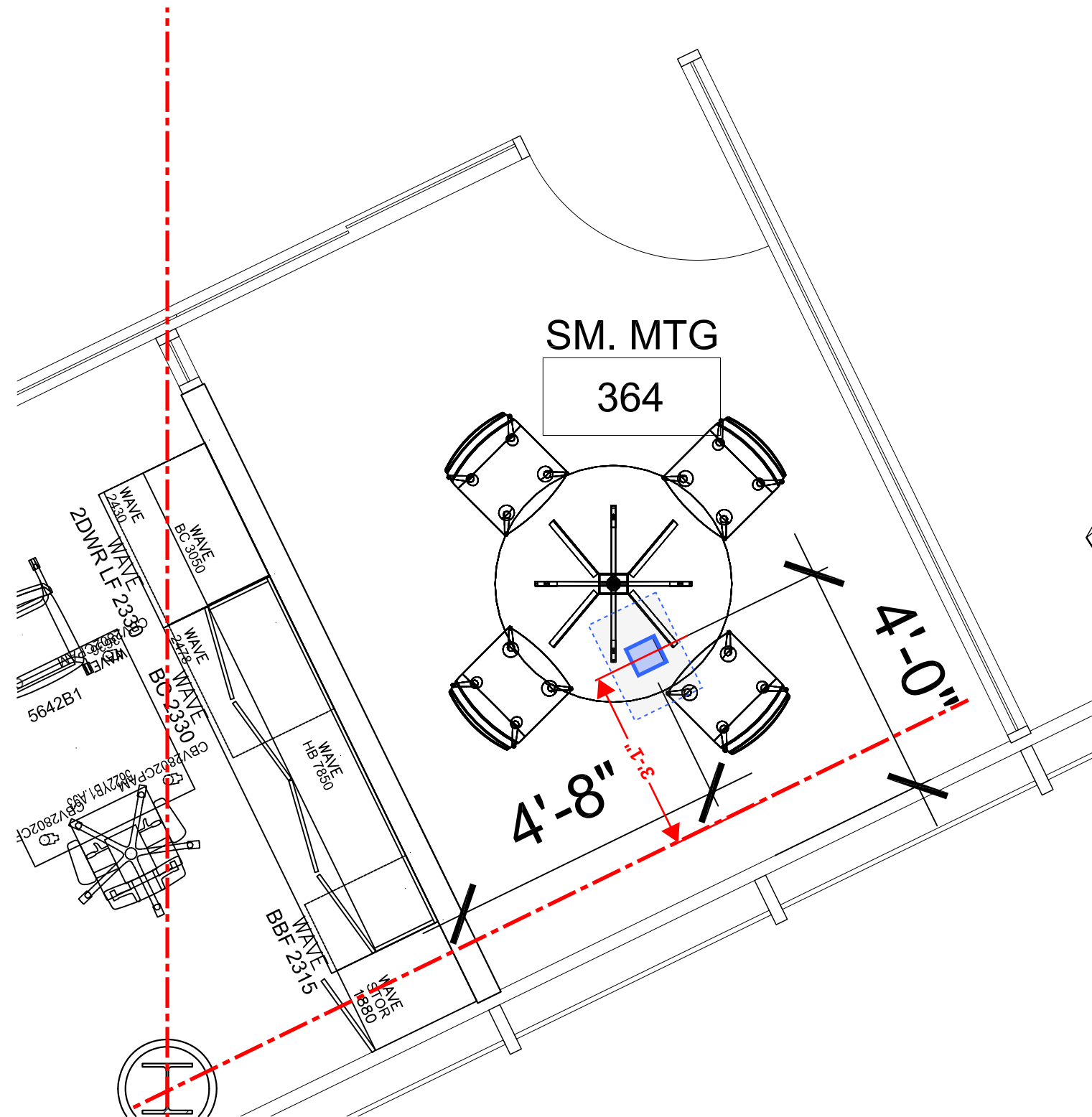
WAVE
2472

Lf

Lf







~~6'-6"~~

~~10'-5"~~

~~1'-11"~~

OFF. STAFF

407

2'11 1/2"

4'-1'-4"

NOTE: PROVIDE 2 FLOOR
BOXES THIS ROOM

