

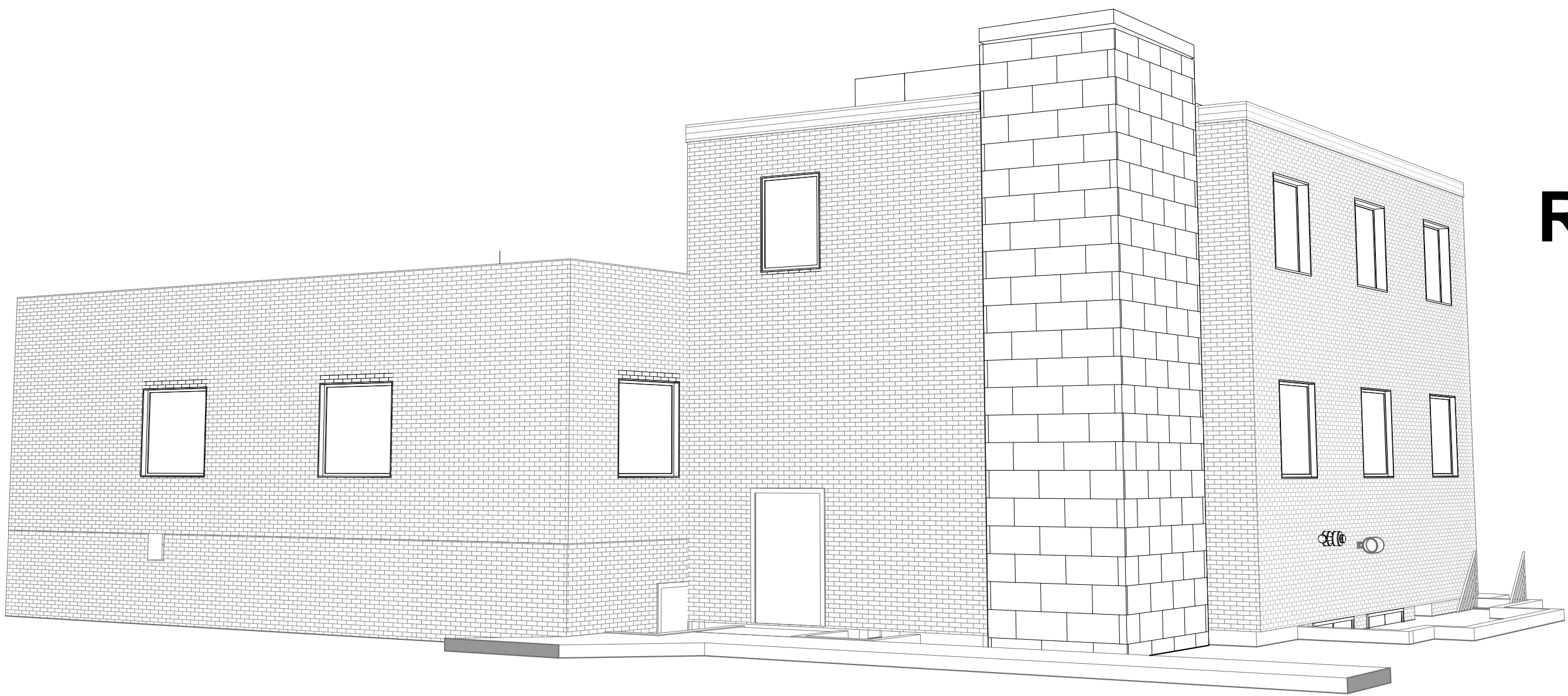
# Renovate Research Building 19

## Project # 603-12-601 - T661

8/17/2012

ROBLEY REX VA MEDICAL CENTER,  
LOUISVILLE, KENTUCKY 40206

Revision 1 - October 31, 2014



### PROJECT CONTACTS

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swhitcomb@guidondesign.com

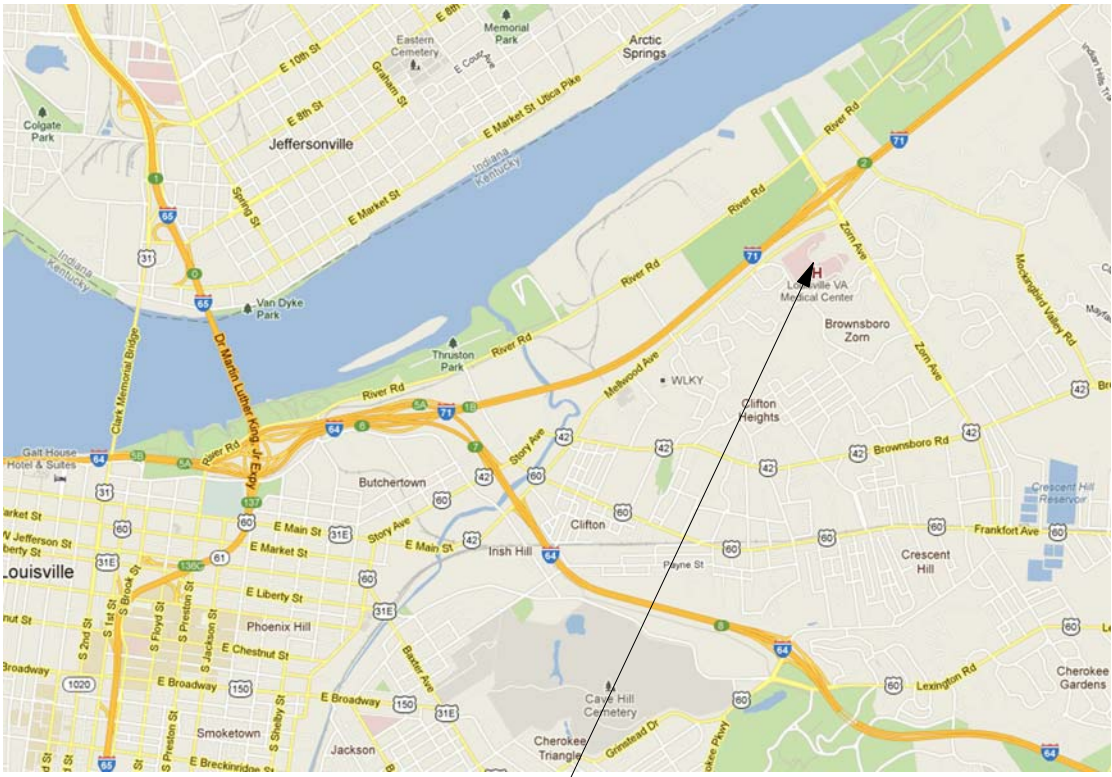
**MEP ENGINEER**  
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Consulting Engineers  
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Brooks@bcclt.com

**RESIDENT ENGINEER**  
Robley Rex VA Medical Center  
800 Zorn Ave.  
Louisville KY 40206  
502-287-4222

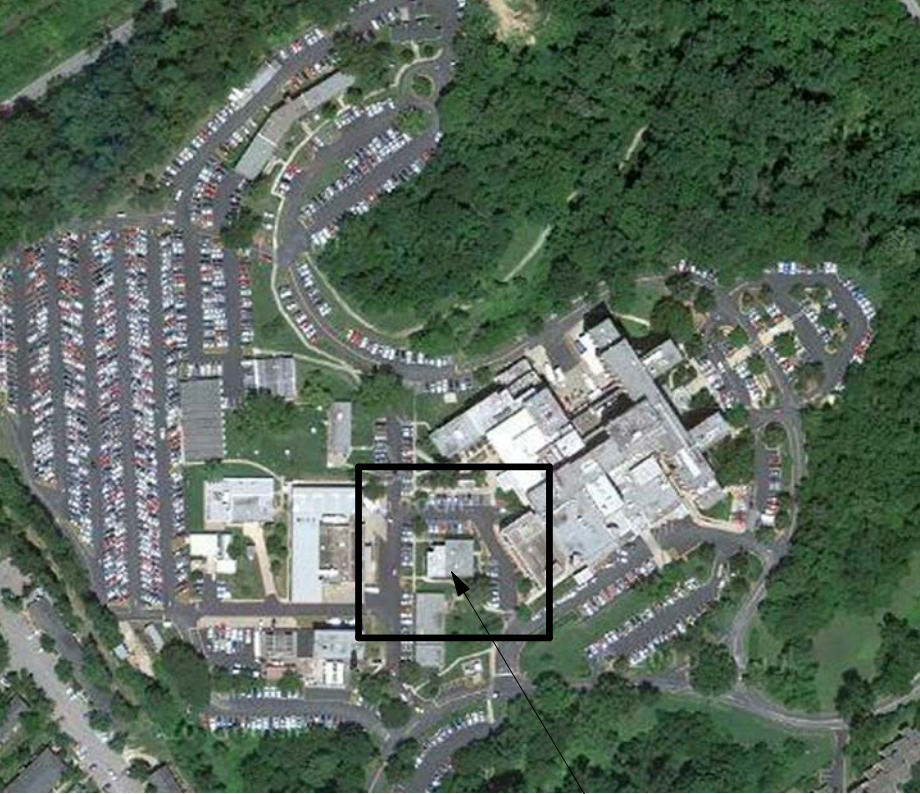
Anthony C. Costanzo  
anthony.costanzo@va.gov

### LOCATION MAP



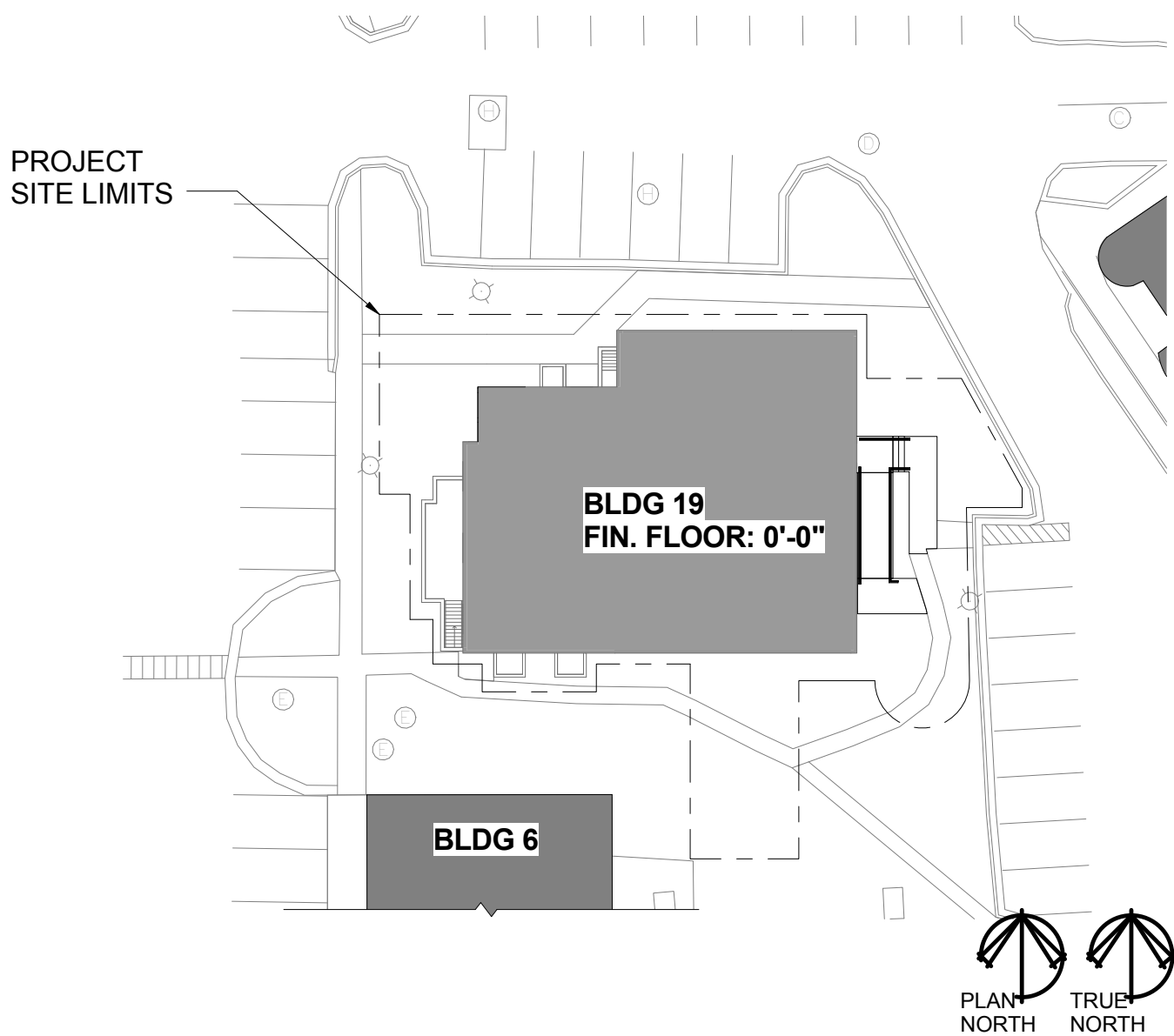
Robley Rex Campus

### ORIENTATION MAP



Building 19

### KEY MAP




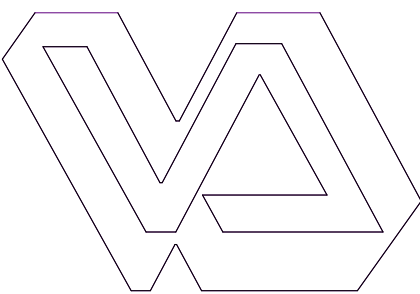
### DRAWING INDEX

Sheet Number	Sheet Name
GI001	TITLE SHEET
GI100	GENERAL INFORMATION
CS101	SITE PLAN
HA100	ABATEMENT PLANS
AD010	DEMOLITION PLANS
AS100	LIFE SAFETY PLANS
AS101	FLOOR PLANS
AS200	REFLECTED CEILING PLANS
AS300	ROOF PLAN
AS400	EXTERIOR ELEVATIONS
AS501	BUILDING SECTION AND DETAILS
AS502	WALL SECTIONS AND DETAILS
AS800	DOOR AND WINDOW DETAILS
AS900	FINISH PLANS
AS901	CASEWORK ELEVATIONS
MD101	HVAC DEMOLITION PLANS
MH001	HVAC LEGENDS, ABBREVIATIONS, AND NOTES
MH200	BASEMENT HVAC DUCTWORK PLANS
MH201	1ST FLOOR HVAC DUCTWORK PLAN
MH202	2ND FLOOR HVAC DUCTWORK PLAN
MH203	ROOF HVAC DUCTWORK PLAN
MH204	HVAC PIPING PLANS
MH205	HVAC SECTIONS
MH301	HVAC DETAILS
MH302	HVAC DETAILS
MH303	HVAC DETAILS
MH401	HVAC SCHEDULES
MH501	HVAC FLOW DIAGRAMS
MH601	HVAC TEMPERATURE CONTROLS
ED101	ELECTRICAL - DEMOLITION LIGHTING PLANS
ED102	ELECTRICAL - DEMOLITION POWER PLANS
ED103	ELECTRICAL - DEMOLITION SYSTEMS PLANS
ED104	EXISTING ONE-LINE DIAGRAM
EL201	BASEMENT LIGHTING PLAN AND SCHEDULE
EL202	1ST AND 2ND FLOOR LIGHTING PLANS
EP203	BASEMENT AND ROOF POWER PLANS
EP204	1ST AND 2ND FLOOR POWER PLANS
ES206	LIGHTNING PROTECTION PLAN
ES207	ELECTRICAL DETAILS
ET205	BASEMENT, 1ST AND 2ND FLOOR SYSTEMS PLANS
PL001	PLUMBING LEGEND AND SCHEDULES
PL101	PLUMBING REMOVAL PLAN
PL201	PLUMBING PLANS
PL300	PLUMBING WASTE AND VENT DIAGRAM
PL400	PLUMBING DETAILS
FD101	EXISTING FIRE PROTECTION DEMO PLANS
FA201	FIRE DETECTION AND ALARM PLANS
FX202	FIRE SUPPRESSION PLANS

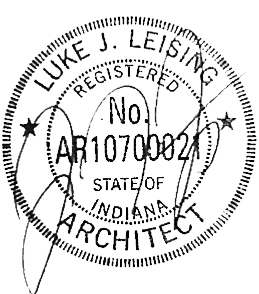
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Drawing title <b>TITLE SHEET</b>	Project title <b>RENOVATE RESEARCH BUILDING 19 - T661</b>	Project Number <b>12.1004</b>	<b>OFFICE OF FACILITIES MANAGEMENT</b>
		Building Number <b>Bldg-19</b>	
Approved: Project Director <b>Anthony C. Costanzo</b> anthony.costanzo@va.gov 502-287-4222	Location <b>ROBLEY REX VAMC</b>	Drawing Number <b>GI001</b>	VA Project Number <b>603-12-601 - T661</b>
	Date <b>8/17/2012</b>	Checked By: <b>LJL</b>	Drawn By: <b>STW</b>
			 <b>Department of Veterans Affairs</b>



**ROBLEY REX VAMC  
System**  
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MEP / HVAC DESIGN

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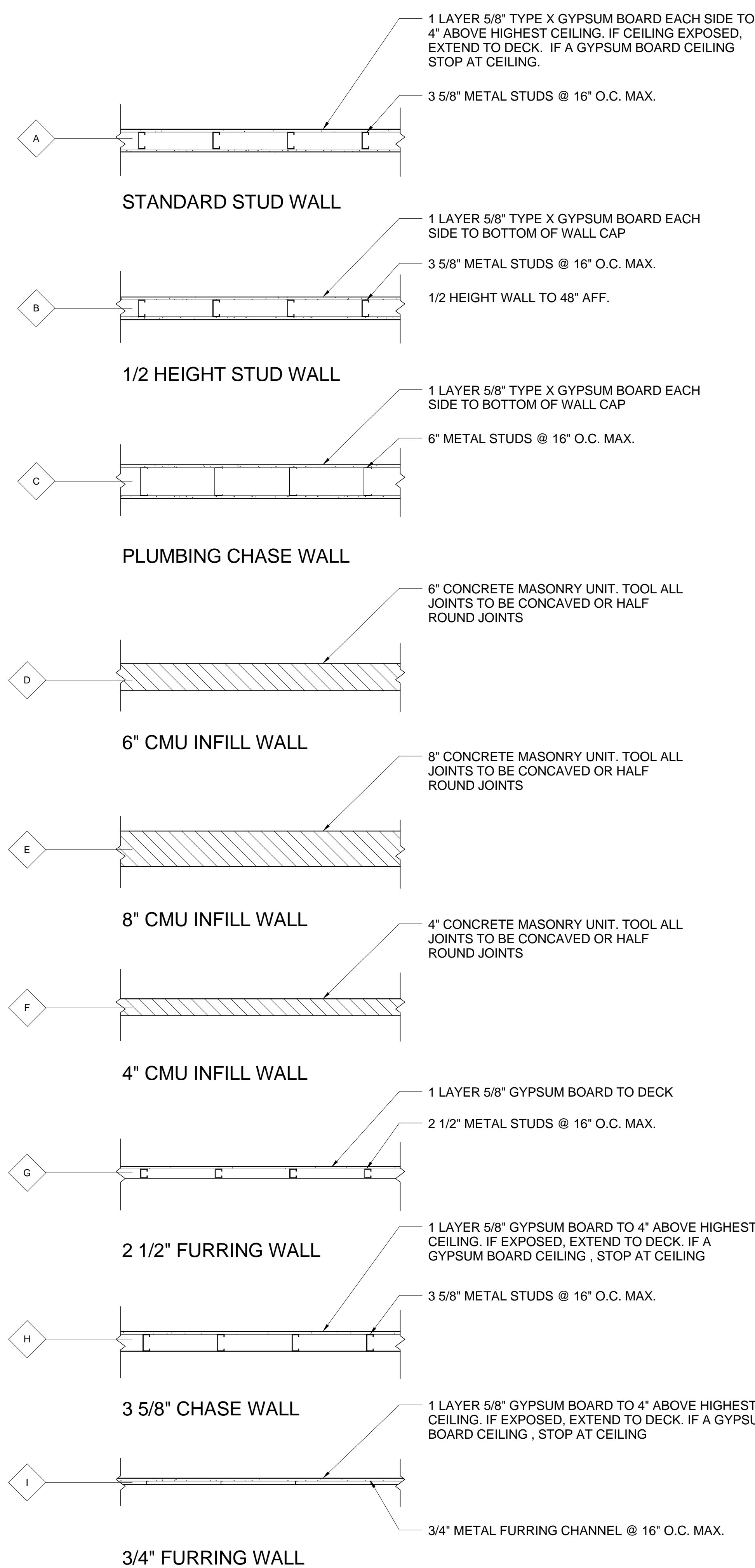
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



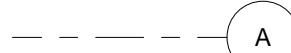



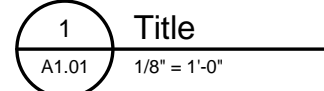

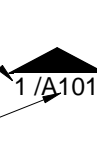
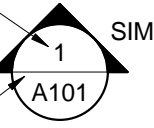
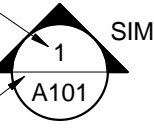
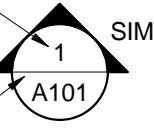
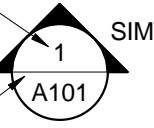
## ABBREVIATIONS

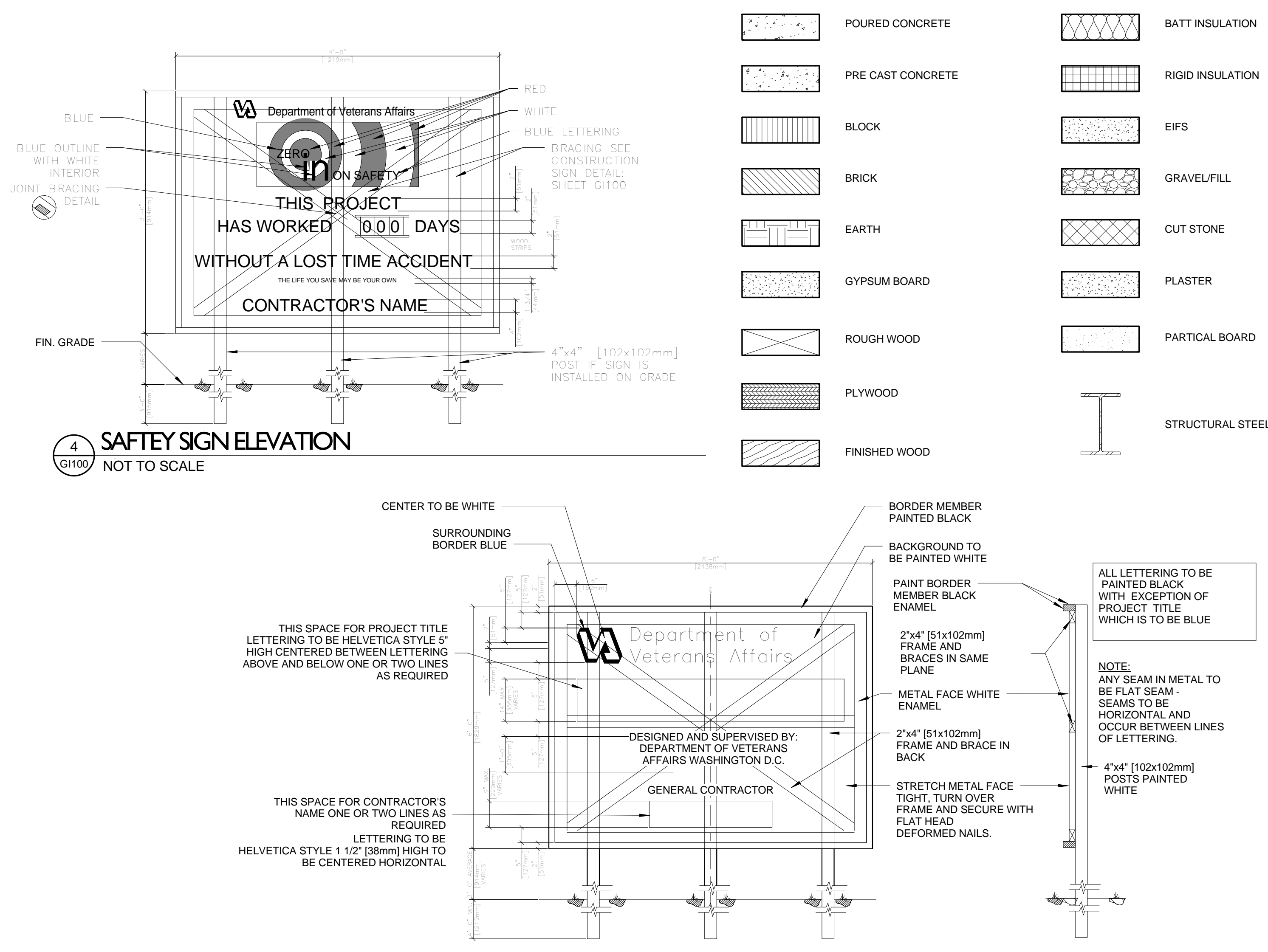
## GENERAL NOTES

- A. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROJECT COORDINATION AND FOR PROVIDING ALL MATERIAL AND LABOR REQUIRED FOR THE COMPLETION OF THE PROJECT.
- B. THE GENERAL CONTRACTOR SHALL FOLLOW AND OBEY ALL FEDERAL, STATE AND LOCAL CODES, LAWS, SAFETY REGULATIONS AND HAZARDOUS WASTE LAWS, ETC.
- C. CONTRACTORS SHALL VERIFY DIMENSIONS PRIOR TO INITIATING CONSTRUCTION AND PRIOR TO ORDERING MATERIALS.
- D. DIMENSIONS ARE TAKEN TO FACE OF FINISH WALL, STONE, MASONRY, OR EXISTING WALL FINISH UNLESS NOTED OTHERWISE.
- E. CONTACT THE ARCHITECT FOR DETERMINATION OF A REQUIRED DIMENSION THAT IS NOT INDICATED ON THE DRAWINGS. DO NOT SCALE DRAWINGS.
- F. BUILDING FIRST FLOOR LEVEL FLOOR REFERENCE ELEVATION IS 0'-0"
- G. ALL WORK SHALL BE PERFORMED IN A SKILLED WORKMANSHIP TYPE MANNER ACCEPTABLE TO THE ARCHITECT AND RESIDENT ENGINEER.
- H. PROVIDE SEALANT JUNCTURES BETWEEN DIFFERENT MATERIALS, UNLESS NOTED OTHERWISE.
- J. ALL SURFACES SHALL BE PREPARED FOR INSTALLATION PER MANUFACTURERS RECOMMENDED INSTRUCTIONS, UNG.
- K. ALL JOINTS AND PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE SEALED WITH APPROVED U.L. LISTED "F" AND "T" SYSTEMS. SUBMIT PRODUCT DATA AND INSULATION INFORMATION PRIOR TO INSTALLATION FOR ARCHITECT'S APPROVAL.
- L. PROVIDE ALL BLOCKING (WOOD OR 16 G.A. GALVANIZED SHEET METAL) AS REQUIRED FOR THE ATTACHMENT OF MISCELLANEOUS EQUIPMENT INCLUDING BUT NOT LIMITED TO: TOILET ACCESSORIES, DOWNWARD OR FORWARD FACING FIXTURES, KITCHEN EQUIPMENT, GRAB BARS, HAND RAILS, AND CASE WORK.
- M. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CLEAN UP.

## GRAPHIC SYMBOLS




NOT ALL SYMBOLS ARE USED

	ROOM NAME & NUMBER
	DOOR NUMBER
	PLAN NOTES
	WINDOW NUMBER
	COLUMN GRID
	REVISION
	FINISH CALLOUT
	FINISH NOTE
	TITLE
	DRAWING #
	SHEET #
	DRAWING #
	SHEET #
	NAME ELEVATION
	LEVEL / FLOOR



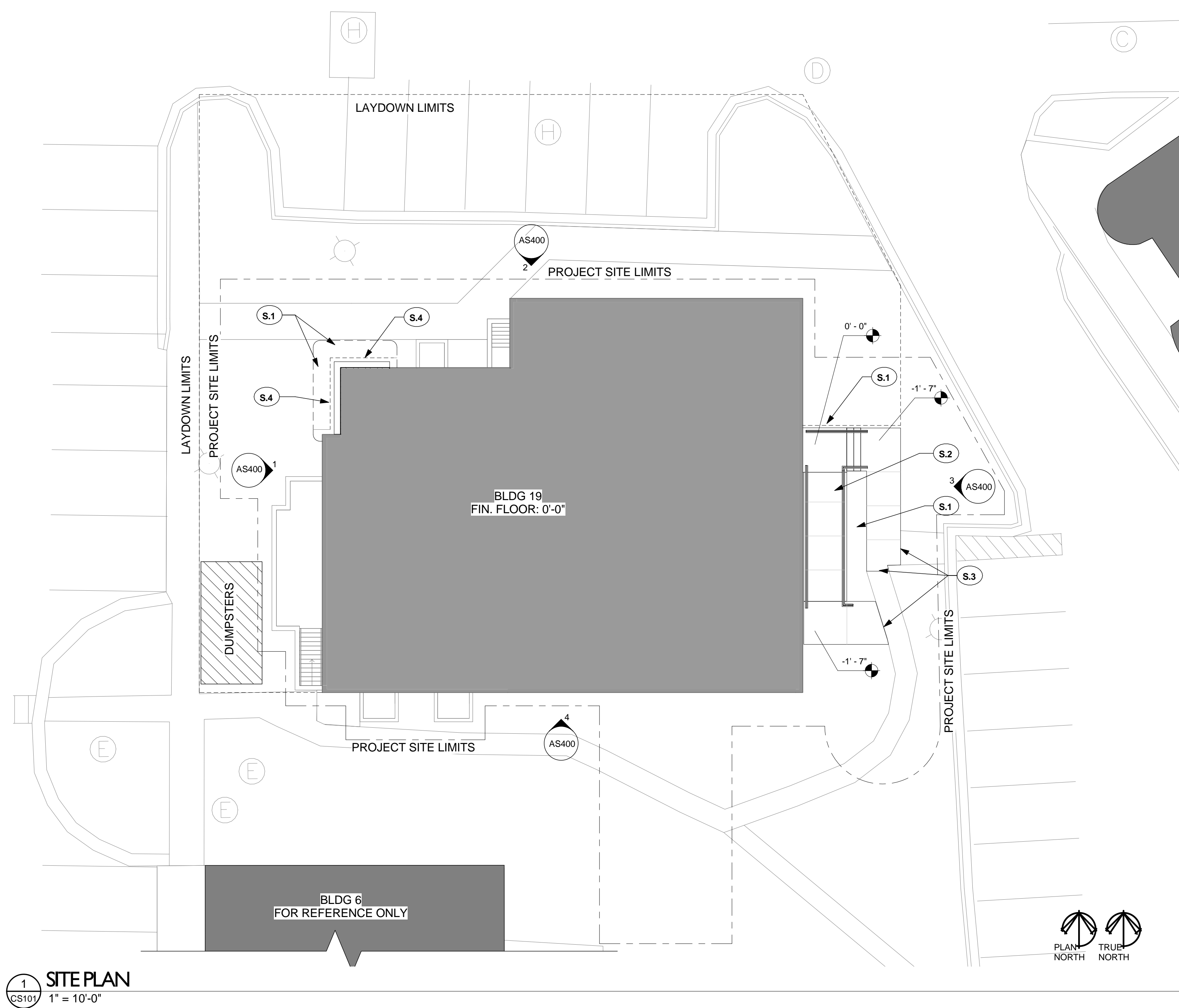
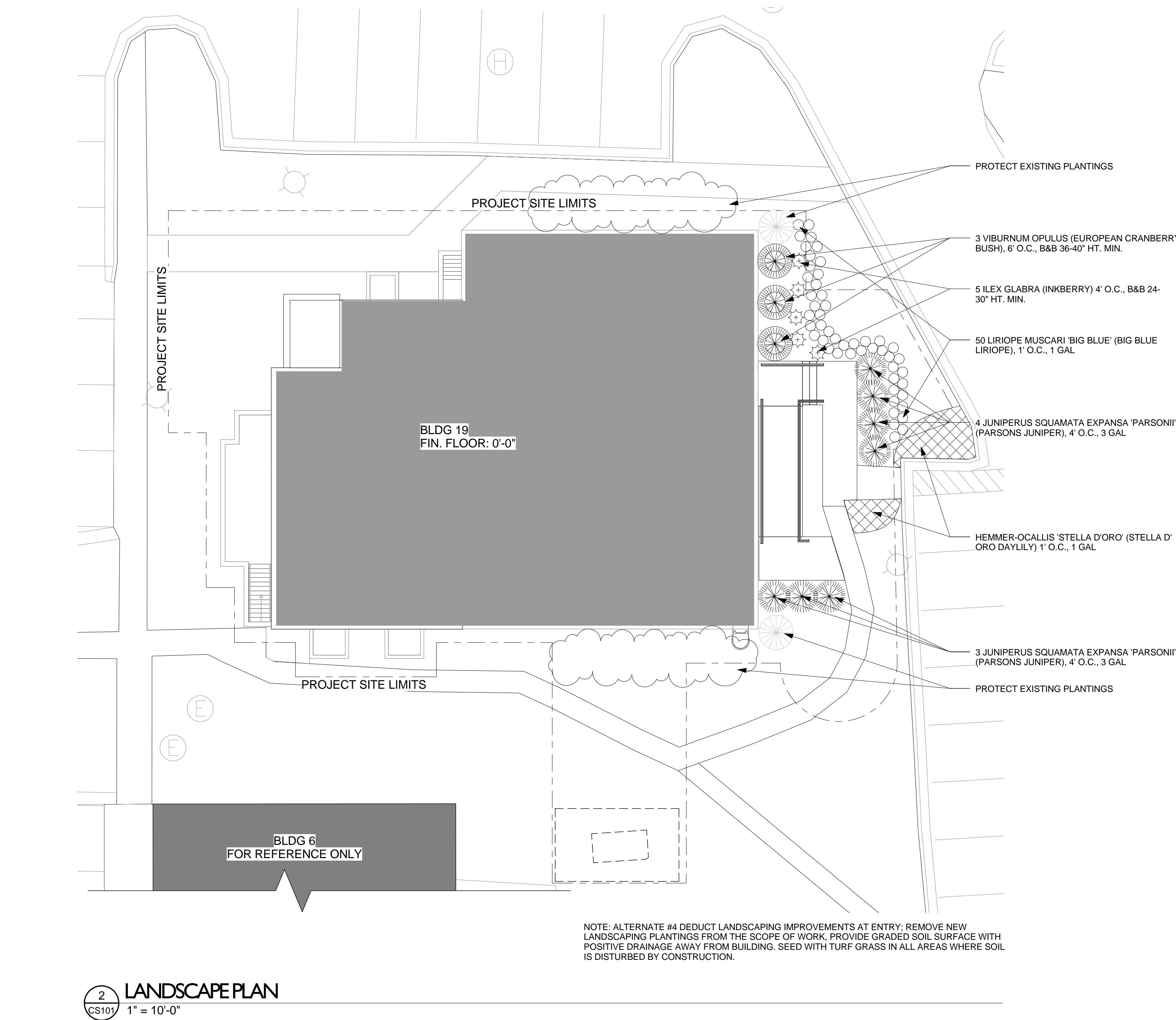
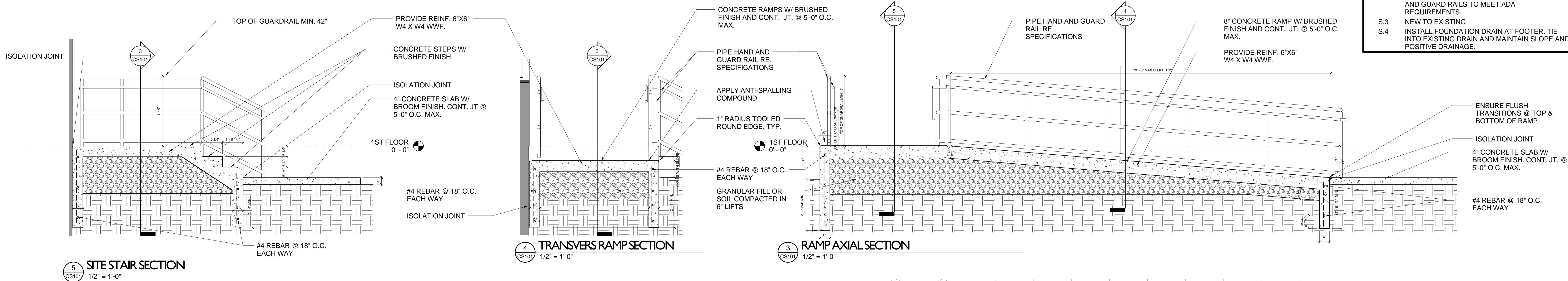
3 CONSTRUCTION SIGNAGE  
G100 NOT TO SCALE

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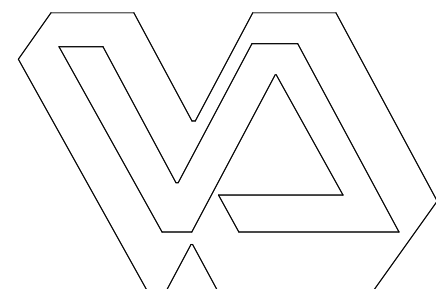
<div></div>		<div><div>ROBLEY REX VAMC System 800 Zorn Ave. Louisville, KY 40206</div></div>	<div></div>	<div>MEP / HVAC DESIGN</div> <div>BCCLT, Inc.<div>Site Civil, MEP Engineers 9100 Markfield Road Suite 200 Louisville, KY 40222 T: 502-708-1960</div><div>www.BCCLT.com</div></div>	<div>PROJECT LEADER/ARCHITECT:</div> <div>GUIDON<div>DESIGN</div></div> <div>2453 N. DELAWARE ST. INDIANAPOLIS, IN. 46205 317.800.8389 WWW.GUIDONDESIGN.COM SUSTAINABLE ARCHITECTURE + ENGINEERING</div>	FOR BID			
				<div>INTERIOR DESIGN ARCHITECT</div> <div>JRA Architects<div>Louisville Office: 3225 Summit Square Place, Suite 200 Louisville, KY 40206 T: 502-583-4697</div><div>www.jraarchitects.com</div></div>	<div>JRA<div>architects</div></div>	<div>Drawing Title</div> <div>GENERAL INFORMATION</div>	<div>Project Title</div> <div>RENOVATE RESEARCH BUILDING 19 - T661</div>	<div>Project Number</div> <div>12.1004</div>	OFFICE OF FACILITIES MANAGEMENT
		<div>Building Number</div> <div>Bldg-19</div>	<div>Drawing Number</div> <div>G1100</div>	<div>VA Project Number</div> <div>603-12-601 - T661</div>					
Revisions: <div></div> Date <div></div>				<div>Approved: Project Director</div> <div>Anthony C. Costanzo anthony.costanzo@va.gov 502-287-4222</div>	<div>Location</div> <div>ROBLEY REX VAMC</div>	<div>Date</div> <div>8/17/2012</div>	<div>Checked By:</div> <div>LJL</div>	<div>Drawn By:</div> <div>STW</div>	<div></div>

SITE PLAN NOTES

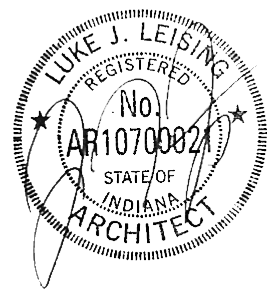
- S.1 GRADE SITE TO 2% MIN. AND 5% MAX POSITIVE SLOPE DRAINAGE AWAY FROM NEW CONSTRUCTION
- S.2 CONCRETE RAMP WITH STEEL TUBE HANDRAILS AND GUARD RAILS TO MEET ADA REQUIREMENTS.
- S.3 NEW TO EXISTING
- S.4 INSTALL FOUNDATION DRAIN AT FOOTER. TIE INTO EXISTING DRAIN AND MAINTAIN SLOPE AND POSITIVE DRAINAGE.



1 Revision 1	Date 1
Revisions:	Date



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Louisville, KY 40206



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Drawing Title <b>SITE PLAN</b>	Project Title <b>RENOVATE RESEARCH BUILDING 19 - T661</b>	Project Number <b>12.1004</b>	Office of Facilities Management
Approved: Project Director <b>Anthony C. Costanzo</b> anthony.costanzo@va.gov 502-287-4222	Location <b>ROBLEY REX VAMC</b>	Building Number <b>Bldg-19</b>	VA Project Number <b>603-12-601 - T661</b>
Date <b>8/17/2012</b>	Checked By: <b>LJL</b>	Drawn By: <b>STW</b>	Drawing Number <b>CS101</b>



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NOTE: HAZMAT REMOVAL NOTES APPLY TO ENTIRE ROOMS.  
CONTRACTOR SHALL IDENTIFY ALL MATERIALS DESCRIBED BY NOTE IN  
EACH ROOM AND REMOVE ACCORDING TO SAFETY STANDARDS.

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<b>BCCLT, Inc.</b>  <a href="http://www.BCCLT.com">www.BCCLT.com</a>		Site Civil, MEP Engineers 9100 Markfield Road Suite 200 Louisville, KY 40222 T-502-708-1580	
<b>INTERIOR DESIGN ARCHITECT</b>  <b>JRA Architects</b>  <a href="http://www.jraarchitects.com">www.jraarchitects.com</a>		Louisville Office: 3225 Summit Square Place, Suite 200 Louisville, KY 40206 T-502-585-6897  	

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Drawing title <b>ABATEMENT PLANS</b>		Project title <b>RENOVATE RESEARCH BUILDING 19 - T661</b>			Project Number <b>12.1004</b>	
					Building Number <b>Bldg-19</b>	
Approved: Project Director <b>Anthony C. Costanzo</b> anthony.costanzo@va.gov 503-287-4222		Location <b>ROBLEY REX VAMC</b>			Drawing Number <b>HA100</b>	
		Date <b>8/17/2012</b>			VA Project Number <b>603-12-601 - T661</b>	
		Checked By: <b>BLB</b>			Drawn By: <b>STW</b>	
					 <b>Department of Veterans Affairs</b>	

DEMOLITION GENERAL NOTES


- A DO NOT SCALE FROM DRAWINGS. REFER ANY DISCREPENCIES TO THE ARCHITECT FOR FINAL DECISIONS.
- B VISIT THE SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS. DEMOLITION DRAWINGS ARE FOR REFERENCE TO AID CONTRACTOR IN EVALUATION OF THE EXTENT OF THE DEMOLITION, BUT SHALL NOT BE CONSIDERED ALL-INCLUSIVE.
- C CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ETC.
- D THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURFACES, MATERIALS, COMPONENTS, ETC. TO REMAIN OR BE RELOCATED. ANY DAMAGE TO THESE RESULTING FROM PERFORMANCE OF WORK SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND ARCHITECT AT NO ADDITIONAL EXPENSE TO THE OWNER. CONTRACTOR TO MAINTAIN REQUIRED FLOOR RATING IN ALL HORIZONTAL AND VERTICAL SURFACES DAMAGED DURING OR AS A RESULT OF DEMOLITION.
- E ALL EXISTING SURFACES LOCATED ADJACENT TO, OR EXPOSED BY DEMOLITION WORK AND SCHEDULED TO RECEIVE NEW CONSTRUCTION SHALL BE PATCHED AND REPAIRED AS REQUIRED.
- F OWNER WILL BE RESPONSIBLE FOR REMOVAL/REARRANGEMENT OF ALL EXISTING LOOSE FURNISHINGS AND EQUIPMENT DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
- G EACH TRADE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED OR NOTED FOR THE INSTALLATION OF NEW WORK. DEMOLITION MAY INCLUDE ASSOCIATED DISTRIBUTION SYSTEMS, APPURTENANCES, AND EQUIPMENT SUPPORTING CONTROLS, AND MISCELLANEOUS SUPPORTS UNLESS NOTED OTHERWISE.
- H CONTRACTOR SHALL COORDINATE CONSTRUCTION SEQUENCING WITH OWNER AT ALL TIMES.
- I HAZARDOUS MATERIALS SURVEY HAS BEEN PROVIDED FOR DEMOLITION AND CONSTRUCTION. ALL HAZARDOUS MATERIALS WILL BE REMOVED IN COMPLIANCE WITH APPLICABLE CODES AND LAWS. RE: SHEET HA 100
- J REMOVE AND/OR DEMOLISH ITEMS INDICATED. DEMOLISHED MATERIALS SHALL BE REMOVED FROM SITE IMMEDIATELY BY CONTRACTOR UNLESS NOTED OTHERWISE.
- K REMOVE DUST AND DEBRIS FROM NEW EXPOSED SURFACES.
- L WHEN CEILING SYSTEMS ARE REMOVED, M.E.P. TRADES SHALL COORDINATE REMOVAL OF ENGINEERING SYSTEMS WITH INSTALLATION OF NEW.
- M COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS. ALWAYS ABIDE BY THE MOST RESTRICTIVE CODE.
- N SOLID LINE INDICATES STRUCTURE AND/OR EQUIPMENT TO REMAIN. DASHED LINES INDICATE STRUCTURE AND/OR EQUIPMENT TO BE REMOVED.
- O DO NOT INTERRUPT SERVICE WITHOUT PRIOR OWNER APPROVAL AND COORDINATION.
- P COORDINATE CONSTRUCTION COMMUNICATION AND POWER REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
- Q COORDINATE DEMOLITION AND/OR RELOCATION OF FIRE PROTECTION AND LIFE SAFETY DEVICES WITH OWNER AND M.E.P. ENGINEERS.
- R COORDINATE PATH OF DEBRIS REMOVAL WITH OWNER.
- S REMOVE ALL ITEMS ASSOCIATED WITH DEMOLISHED WALL IF NOT NOTED OR SHOWN OTHERWISE.

DEMOLITION PLAN NOTES

- D.1 REMOVE WALL FROM FLOOR TO DECK
- D.2 REMOVE DOOR AND FRAME
- D.3 REMOVE CASED OPENING OR FRAME
- D.4 REMOVE ALUMINUM WINDOWS & FRAME. DEDUCT ALTERNATE #3 ALUMINUM WINDOWS & FRAME TO REMAIN. RE: SPECIFICATIONS
- D.5 REMOVE BULKHEAD ABOVE
- D.6 REMOVE CEILING OR CEILING FINISH
- D.7 REMOVE FLOOR FINISH AND RUBBER BASE, PREPARE SUBFLOOR TO RECEIVE NEW FINISHES
- D.8 SAW CUT AND REMOVE EXTERIOR WALL AS REQUIRED FOR ELEVATOR ACCESS. REF.: ARCHITECTURAL DWGS
- D.9 REMOVE FLOOR FINISH, CEILING, WALLS, INSULATION, AND SUBFLOOR, AT FORMER COLD STORAGE ROOM. BRING DOWN TO LEVEL W/ EXISTING FLOORS
- D.10 REMOVE CONCRETE RAMPS, HANDRAILS, WALLS AND LANDING. REMOVE SIDEWALK AS REQ. FOR CLEAN TRANSITION
- D.11 REMOVE SIDEWALK AND LANDSCAPING SHRUBS.
- D.12 REMOVE CHAINLINK FENCE, CONCRETE PAD AND METAL CANOPY
- D.13 REMOVE POURED IN PLACE CONCRETE WELL, LOUVER AND FRAME
- D.14 SAW CUT AND REMOVE BRICK VENEER TO ALIGN TO NEW CMU ELEVATOR SHAFT WALL
- D.15 REMOVE CONCRETE WELL WITH LEAD LINING
- D.16 REFERENCE MECHANICAL SHEETS FOR EQUIPMENT REMOVAL. REMOVE ALL UNUSED CURBS AND RESTORE ROOF
- D.17 REMOVE DUMBWAITER EQUIPMENT.
- D.18 REMOVE AND SALVAGE LOCKERS FOR REINSTALLATION
- D.19 REMOVE COOLING UNIT, FENCE AND PAD. RE: MECHANICAL PLANS
- D.20 PROTECT ROOF ACCESS LADDER, REPAIR ANY DAMAGE
- D.21 REMOVE ROOF HATCH AND COLLAR AND RESTORE ROOF
- D.22 REMOVE WALL AS NEEDED FOR NEW DOOR.
- D.23 EXISTING EQUIPMENT AND FIXTURES TO BE REMOVED BY OWNER AND REINSTALLED AFTER COMPLETION OF NEW FINISHES

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FOR BID

Drawing Title <b>DEMOLITION PLANS</b>		Project Title <b>RENOVATE RESEARCH BUILDING 19 - T661</b>			Project Number <b>12.1004</b>		<b>OFFICE OF FACILITIES MANAGEMENT</b>
					Building Number <b>Bldg-19</b>		
Approved: Project Director <b>Anthony C. Costanzo</b> anthony.costanzo@va.gov 502-287-4222		Location <b>ROBLEY REX VAMC</b>			Drawing Number <b>AD010</b>		VA Project Number <b>603-12-601 - T661</b>
		Date <b>8/17/2012</b>	Checked By: <b>LJL</b>	Drawn By: <b>STW</b>			

PROJECT LEADER/ARCHITECT:

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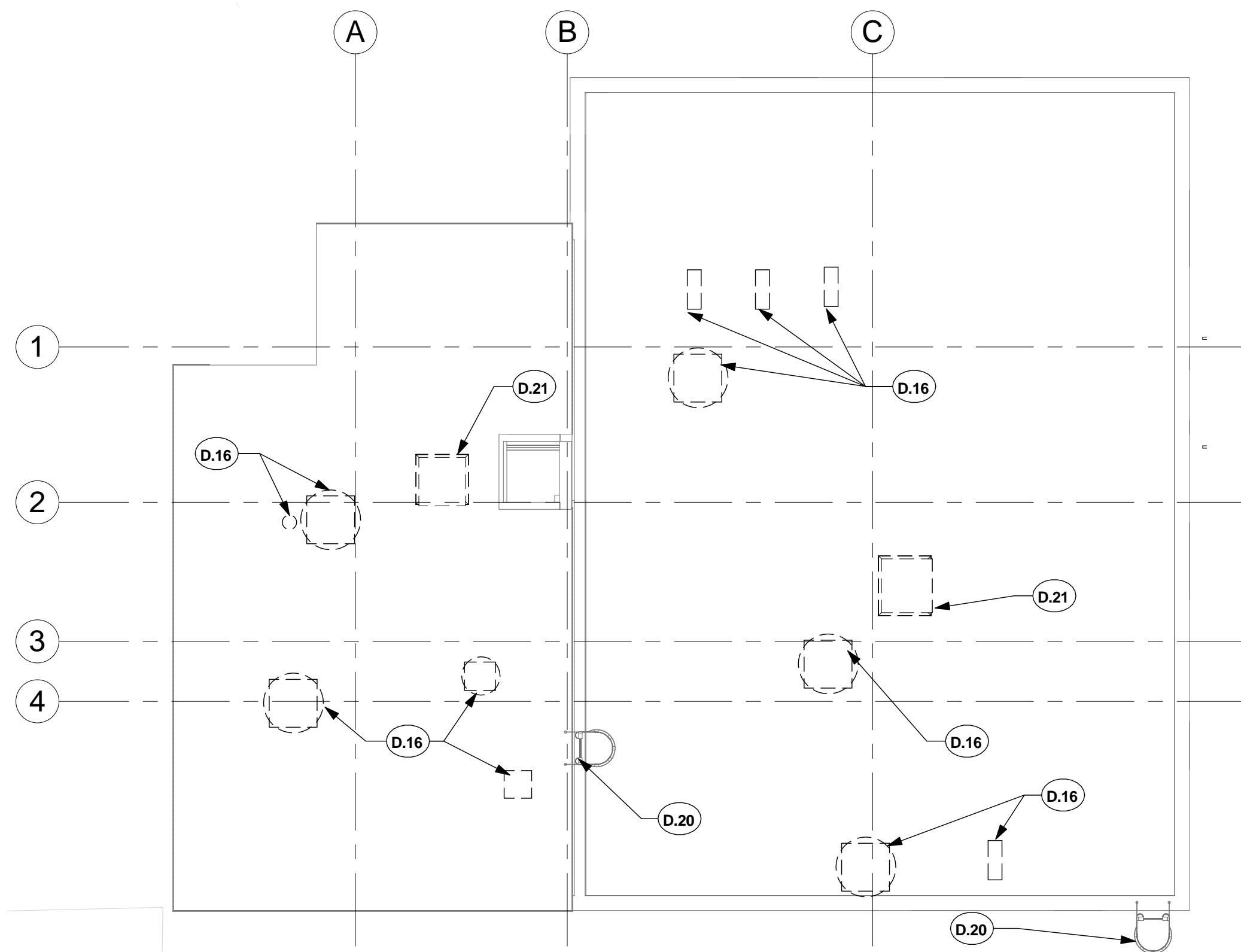
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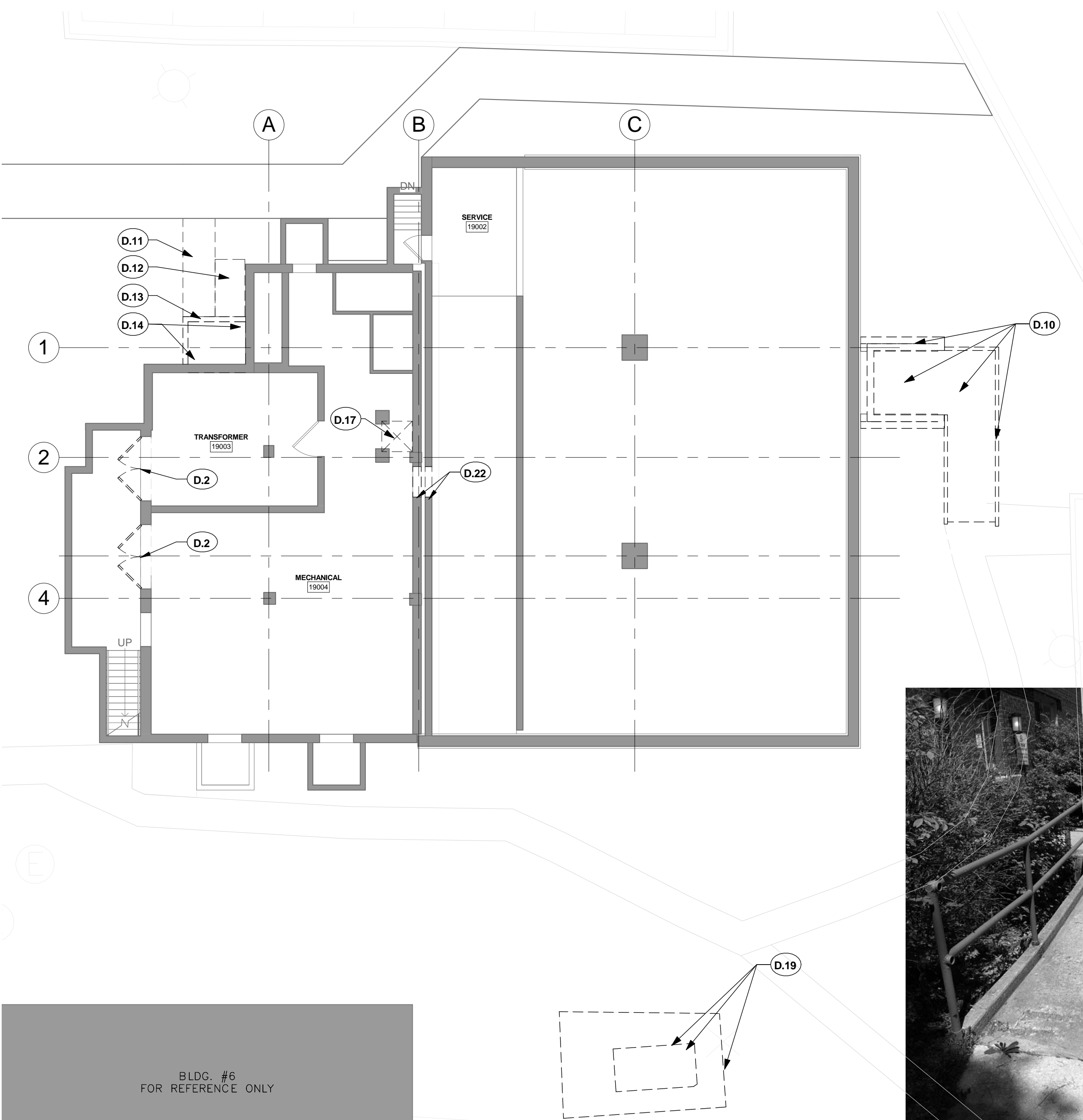


SITE OF NEW ELEVATOR REF.: DEMOLITION NOTES D.11 THROUGH D.14 AND 1/D010, 2/D010, AND 3/D010



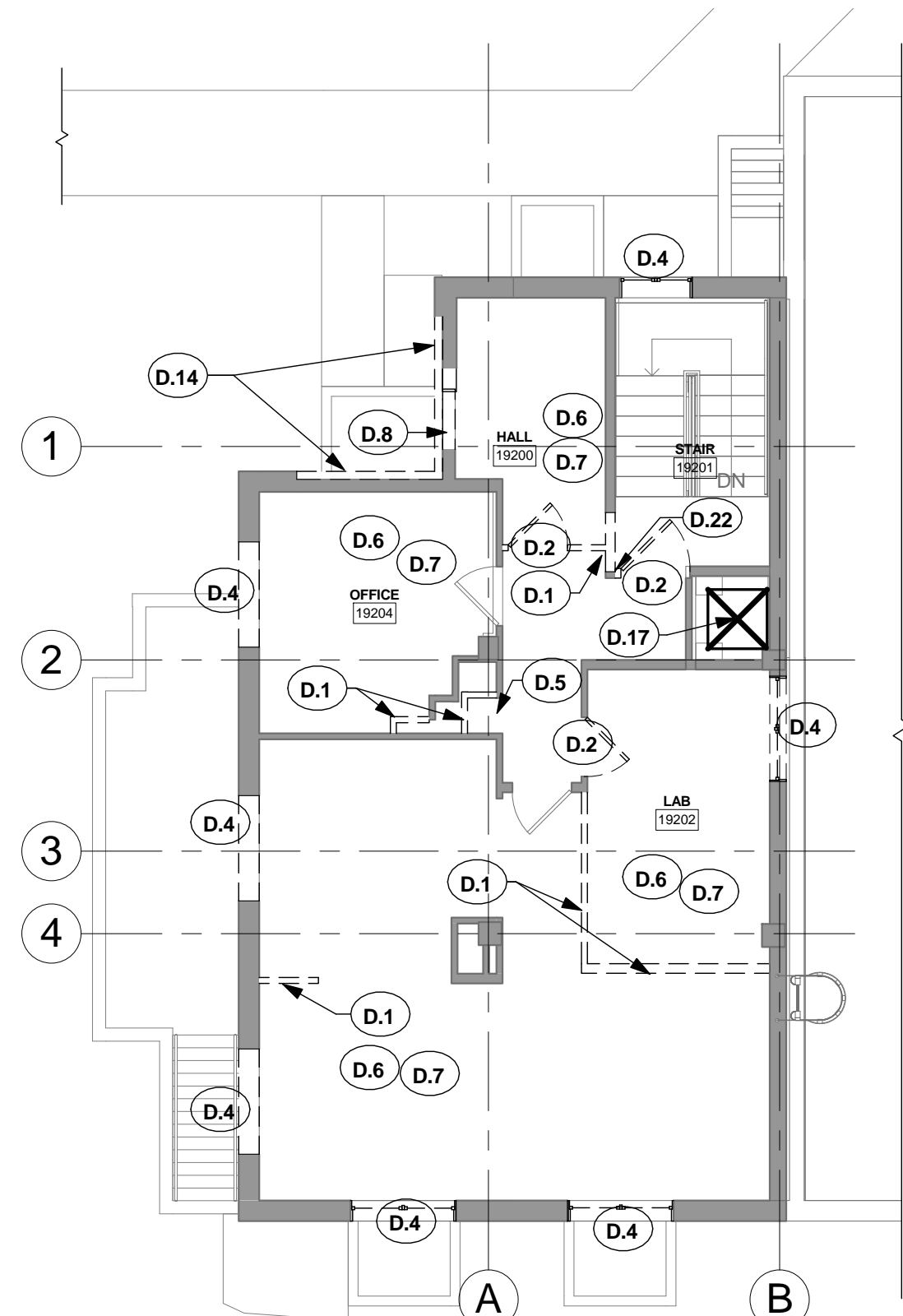
4 DEMOLITION ROOF PLAN

1/8" = 1'-0"



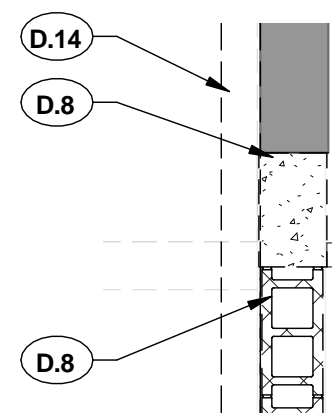
1 SITE AND LOWER FLOOR DEMO. PLAN

1/8" = 1'-0"



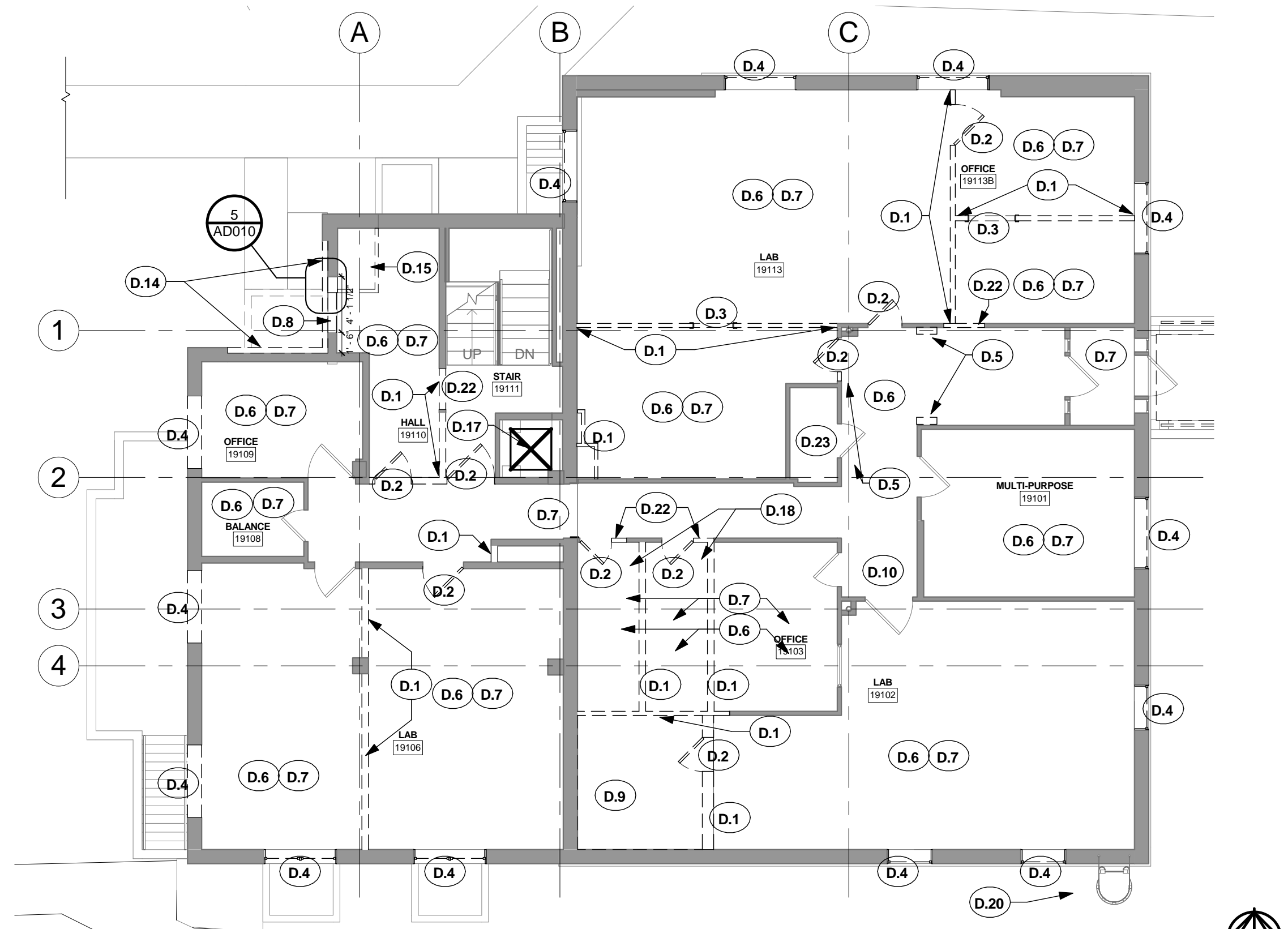
3 SECOND FLOOR DEMOLITION PLAN

1/8" = 1'-0"



5 VAULT WALL DEMOLITION

1/2" = 1'-0"

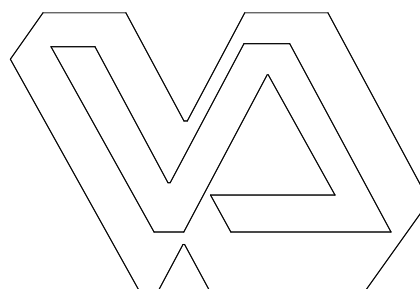


2 FIRST FLOOR DEMOLITION PLAN

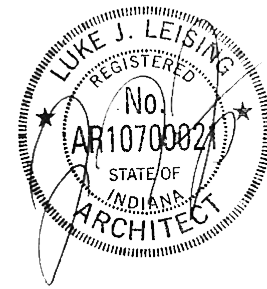
1/8" = 1'-0"



CONCRETE RAMP TO BE REMOVED. REF.: DEMOLITION NOTE D.10 AND 1/D010



**ROBLEY REX VAMC System**  
800 Zorn Ave.  
Louisville, KY 40206



MEP / HVAC DESIGN

**BCCLT, Inc.**

www.BCCLT.com

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**BCCLT**

Bugli, Chance, Cummins, London, Tizer

**JRA**  
architects

Louisville Office:  
3225 Summit Square Place,  
Suite 200  
Louisville, KY 40206  
T: 502-583-4697



## LIFE SAFETY LEGEND

- MAX TRAVEL DISTANCE
- EXISTING SEPARATION
- 1 HR RATED WALL
- ☒ FIRE EXTINGUISHER CABINET
- ▲ EXIT DOOR
- ▲ RECESSED FIRE EXTINGUISHER
- ▲ NEW EGRESS HARDWARE
- ▲ EXISTING EGRESS HARDWARE

## CODE REVIEW

1. The 2009 edition of the Life Safety Code, NFPA 101 and the Fifth Edition of the Department of Veterans Affairs Fire Protection Design Manual have been used to review the above referenced project for compliance with the fire and life safety requirements. For features not addressed by NFPA 101 and the referenced National Fire Codes, the 2009 edition of the International Building Code has been used.

2. The existing building is undergoing a remodel and we be used as a medical laboratory building. The occupancy is a Group B, Business Occupancy.

3. The construction type is determined based upon the allowable area and height requirements of chapter 5 of the 2009 IBC. Type II(1000) is permitted for this building. Construction type and materials shall be per Chapter 6 of the IBC for type II-B construction as follows:

Fire Resistive Ratings - II-B Construction:  
Exterior Walls Bearing: Noncombustible, 0 hour fire resistive  
Exterior Walls, Non-Bearing: Noncombustible, 0 hour fire resistive  
Interior Walls, Bearing: Noncombustible, 0-hour fire resistive  
Structural Frame: Noncombustible, 0-hour fire resistive  
Floor-Ceiling: Noncombustible, 0-hour fire resistive  
Roof-Ceiling: Noncombustible, 0-hour fire resistive  
Interior Walls, Nonbearing (Permanent Partitions): Noncombustible.

Structural design shall comply with Chapter 16 of the IBC.

4. Allowable Area: Based upon non combustible, unprotected construction.

Basic Allowable Area:	23,000 SF(IBC, Table 503.1)
Open Perimeter (20 Feet)	17,250
Automatic Sprinklers (200%)	48,000 SF (IBC 506.3)
Total	88,250 SF
Actual Area Is	4,545 S.F

5. Allowable Height: 4 stories permitted (IBC table 503)  
75feet (IBC Table 503 plus sprinkler increase of section 504.2)  
Actual building is two story.  
Actual Height is 34 feet.

6. Separation of Buildings: 10 feet minimum (IBC table 602)

7. Occupancy Separation: Occupancy separation is not required.

8. Hazardous Room Separation: None required

9. Smoke partitions are required in the training center to separate the following:  
- Storage rooms over 100 sq ft (NFPA 101)  
- Mechanical rooms with equipment with an aggregate input rating exceeding 200,000 Btu (NFPA 101)

10. One hour partitions are required to separate the following:  
- Elevator hoistway

11. Means of egress requirements shall comply with NFPA 101.  
Maximum Travel Distance: 300 Feet  
Common Path of travel: Training Center Assembly: 75 feet is permitted except that for common path of travel is permitted  
assembly rooms areas with an occupant load exceeding 50, a 20 foot

Dead ends: 50 feet

Number of exits: NFPA 101 38.2.4.6. A single exit is permitted from a single tenant building 2 or fewer stories in height protected by automatic sprinklers where the total travel distance to the exterior does not exceed 100 feet.  
No fire separation is required for exit stair.

Clear Width of exits: Doors - 34 inches clear Min.  
Clear Width of corridors: 36 inches clear Min. (occupant load less than 50)

Exit signs: Exit marking is provided as follows: Exit signs are provided in accessible to the public in accordance with NFPA 101, and shall be of the LED type. Incandescent signs are not permitted.

12. Interior Finish:  
Walls and Ceilings: Interior finish flame spread shall be limited per Chapter 8 of the NFPA 101 to Class A, B and C materials. Interior wall and ceiling finish shall be Class A or Class B in exits, corridors and lobbies; and Class A, Class B, or Class C in all other areas.  
Class A: Flame Spread 0-25; Smoke Developed 0-450.  
Class B: Flame Spread 26-75; Smoke Developed 0-450.  
Class C: Flame Spread 76-200; Smoke Developed 0-450

Floors: Interior floor finish shall be Class I or Class II in corridors and exits.

Fabric Draperies, curtains (excluding shower curtains, but including cubicle curtains), and other loosely hanging fabrics and films serving as furnishings or decorations in health care occupancies must meet the flame resistance requirements of NFPA 701. Standard Methods of Fire Tests for Flame-Resistant Textiles and Films.

Upholstered furniture and mattresses: Upholstered furniture and mattresses must also meet specified requirements, based on NFPA 260, NFPA 261, NFPA 266, 16 CFR 1632, ASTM E1537, and ASTM E1590

13. Fire Suppression:  
Sprinkler system: Laboratory building is required to be sprinkled throughout in accordance with NFPA 13.  
The sprinkler system is hydraulically designed in accordance with 2010 edition of NFPA 13 and the Fifth Edition of the Department of Veterans Affairs Fire Protection Design Manual and NFPA 45 shall regulate design area and density.

Minimum Design Requirements: Laboratory is classified as a class C lab and shall be protected as Ordinary Hazard Occupancy, Group 1; 0.15 gpm/sq ft over 1,500 sq ft.

Hose stream allowance: 250 GPM

Portable Fire extinguishers: Fire Extinguishers are required in accordance with NFPA 101 and NFPA 10.

Standpipe systems: Standpipe systems are not required.

14. Fire alarm system: A combined manual and automatic Fire Alarm system shall be required.

## FULLY SPRINKLERED

## FOR BID

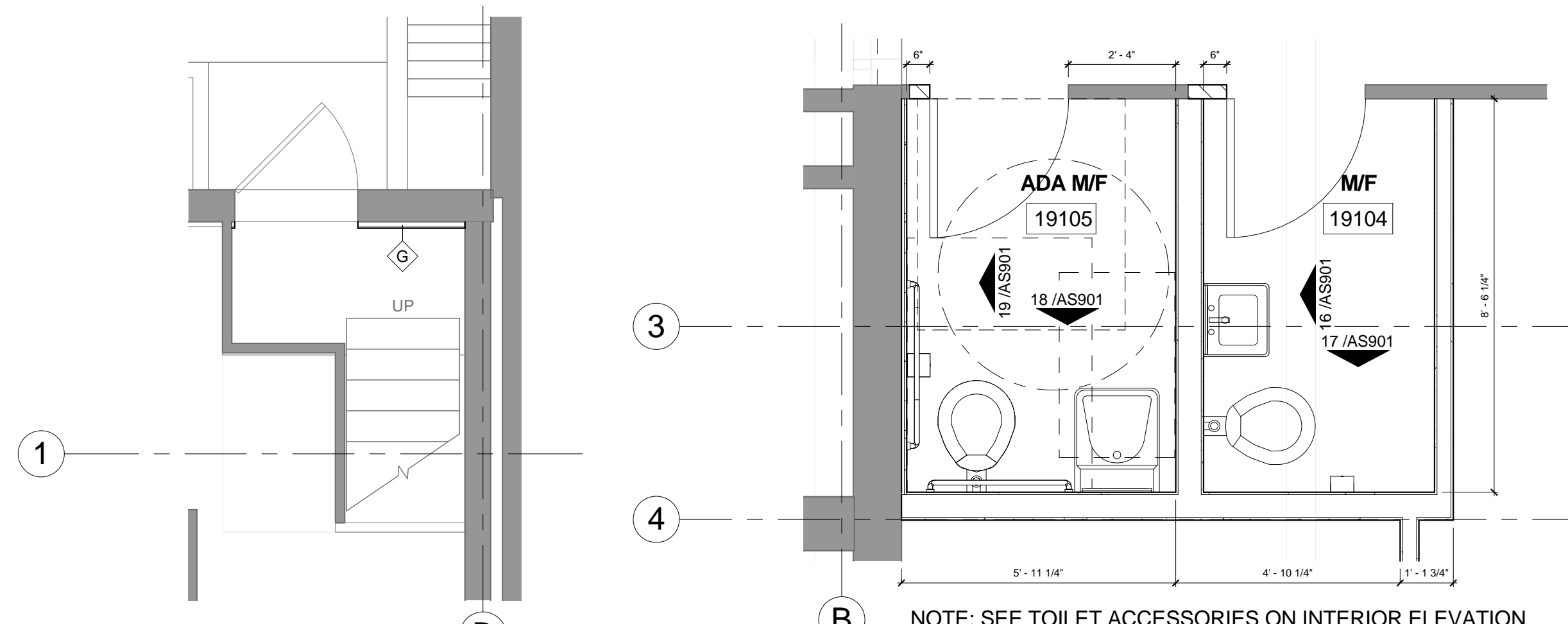
<div>Revisions:</div> <div>Date</div>	<div><div>ROBLEY REX VAMC System 800 Zorn Ave. Louisville, KY 40206</div></div>	<div><div>Mike J. Leising Professional Engineer No. 10107082 State of Kentucky Architect</div></div>	<div>MEP / HVAC DESIGN</div> <div>BCCLT, Inc.<div><div>www.BCCLT.com</div><div><div>Site Civil, MEP Engineers 9100 Markfield Road Suite 200 Louisville, KY 40222 T: 502-708-1860</div><div><div>BCCLT Bugs Chasco Chumley, London, Titter — consulting engineers —</div></div></div></div></div>	<div>PROJECT LEADER/ARCHITECT:</div> <div><div>2453 N. DELAWARE ST. INDIANAPOLIS, IN. 46205 317.800.6388    WWW.GUIDONDESIGN.COM SUSTAINABLE ARCHITECTURE + ENGINEERING</div></div>	<div>Drawing Title</div> <div>LIFE SAFETY PLANS</div>	<div>Project Title</div> <div>RENOVATE RESEARCH BUILDING 19 - T661</div>	<div>Project Number</div> <div>12.1004</div> <div>Building Number</div> <div>Bldg-19</div>	<div>OFFICE OF FACILITIES MANAGEMENT</div>
			<div>INTERIOR DESIGN ARCHITECT</div> <div>JRA Architects<div><div>www.jraarchitects.com</div><div><div>Louisville Office: 3225 Summit Square Place, Suite 200 Louisville, KY 40206 T: 502.583.4697</div><div></div></div></div></div>	<div>Approved: Project Director</div> <div>Anthony C. Costanzo anthony.costanzo@va.gov 502-287-4222</div>	<div>Location</div> <div>ROBLEY REX VAMC</div>	<div>Drawing Number</div> <div>AS100</div>	<div>VA Project Number</div> <div>603-12-601 - T661</div>	
			<div>Date</div> <div>8/17/2012</div> <div>Checked By:</div> <div>LJL</div> <div>Drawn By:</div> <div>STW</div> <td><div>Department of Veterans Affairs</div></td>	<div>Department of Veterans Affairs</div>				

### FLOOR PLAN GENERAL NOTES

- A. DO NOT SCALE THE DRAWINGS. REFER DISCREPANCIES TO ARCHITECT FOR FINAL DECISIONS ON LAYOUT.
- B. ALL DIMENSIONS SHOWN ARE TO FACE OF WALL FRAMING/ MASONRY UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATES AS "CLR" OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH.
- C. PROVIDE BRACING AND FIRE-TREATED BLOCKING AS REQUIRED IN WALLS. SUPPLY BRACKETS, JOINTWORK, TACKBOARDS, MARKERBOARDS, RESTROOM ACCESSORIES, ETC.
- D. PROVIDE SEAL JOINTS BETWEEN DISSIMILAR MATERIALS.
- E. VERIFY EXISTING FIELD CONDITIONS PRIOR TO BEGINNING WORK, AND REPORT DISCREPANCIES IMMEDIATELY TO ARCHITECT FOR CLARIFICATION.
- F. MOUNT TOP OF WALL CABINETS @ 7'-0" A.F.F.. UNLESS NOTED OTHERWISE; REFER QUESTIONABLE MOUNTING HEIGHT CHOICES TO ARCHITECT FOR FINAL DECISIONS.
- G. ALL GYPSUM WALL BOARD IS 5/8" TYPE "X" UNLESS NOTED OTHERWISE.
- H. CONFLICTS BETWEEN SPECIFICATIONS AND DRAWINGS SHALL BE COMMUNICATED TO THE ARCHITECT FOR RESOLUTION PRIOR TO COMMENCEMENT OF THE WORK.
- I. SUPPLY, COORDINATE AND INSTALL ACCESS DOORS, PANELS AND HATCHES IN CEILINGS, WALLS AND FLOORS; AND NOTIFY ARCHITECT OF ANY CONFLICTS WITH FURNITURES AND/OR DRAWINGS.
- J. PROVIDE WATER TROUGH-IN AND ELECTRICAL CONNECTIONS FOR OWNER-PROVIDED EQUIPMENT IN COMPLIANCE WITH MEP DRAWINGS.
- K. PROVIDE SLIP CHANNELS AT ALL LOCATIONS WHERE WALLS EXTEND TO A STRUCTURAL MEMBER ABOVE.
- L. DOORS TO BE INSTALLED 6" FROM CORNER TO INSIDE OF DOOR FRAME UNLESS NOTED OTHERWISE- TYPICAL.
- M. PROVIDE CONTROL JOINT IN ALL GYPSUM BOARD WALLS GREATER THAN 30' LONG. PLACE CONTROL JOINTS AT CORNERS OF DOORS OR WINDOWS.
- N. PATCH EXISTING WALLS WHERE NEW WALLS MEET ACCORDING TO DRAWING SPECIFICATIONS.
- O. PATCH REPAIR AND CLEAN EXISTING WALLS. REFINISH SCHEDULE FOR NEW WALL FINISH, BASE AND FLOOR FINISH.

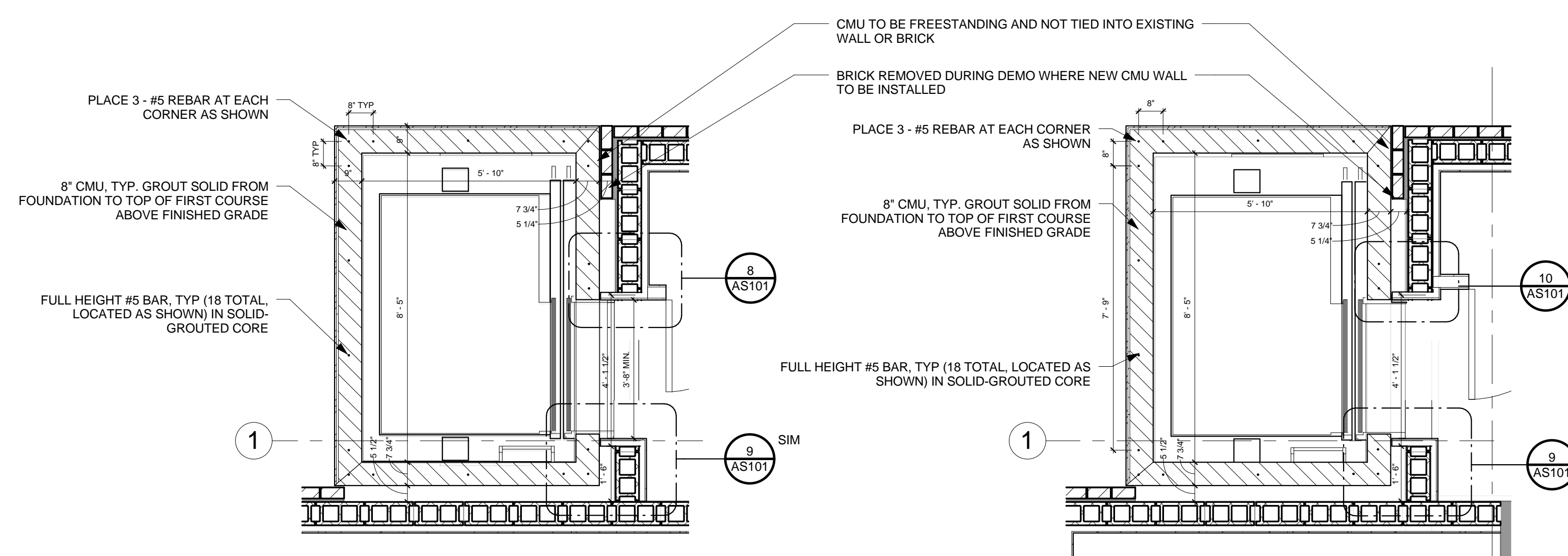
### FLOOR PLAN NOTES

- A.1 PATCH OR FILL WALL WITH CMU OR METAL STUD TO MATCH EXISTING ADJACENT THICKNESS AND FINISH
- A.2 FURR-OUT WALLS WITH METAL STUDS AND SPRAY FOAM INSULATION, FINISH WITH 5/8" TYPE "X" GYP.
- A.3 FURR-OUT ROOF WITH 5 1/2" METAL STUDS, SPRAY FOAM INSULATION, FINISH WITH 5/8" TYPE "X" GYP.
- A.4 INSTALL SALVAGED METAL LOCKERS, SINGLE DOOR, 60" TALL, 12" X 12" BASE
- A.5 REPAIR AND PROVIDE SUBFLOOR TO ALIGN NEW FINISH FLOOR WITH ADJACENT FLOOR
- A.6 REPLACE WINDOWS RE: SHEET AS 800, ALTERNATE #3 EXISTING TO REMAIN, APPLY LOW-E WINDOW FILM
- A.7 PROVIDE LIGHT PROOF SHADES RE: SPECIFICATIONS



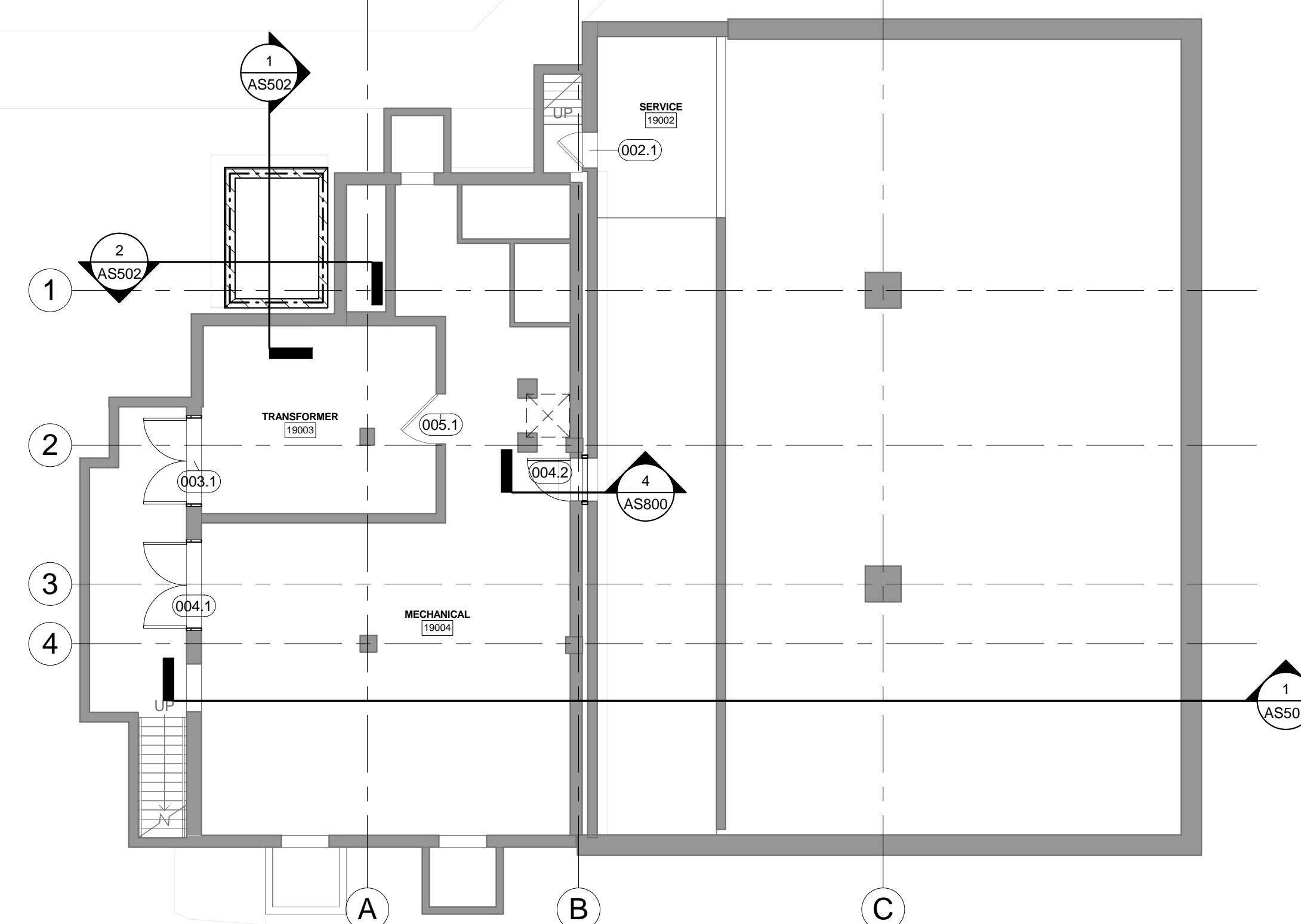
7 EXIT STAIR LANDING PLAN  
AS101 1/4" = 1'-0"

6 FIRST FLOOR RESTROOM PLAN  
AS101  $3/8" = 1'-0"$

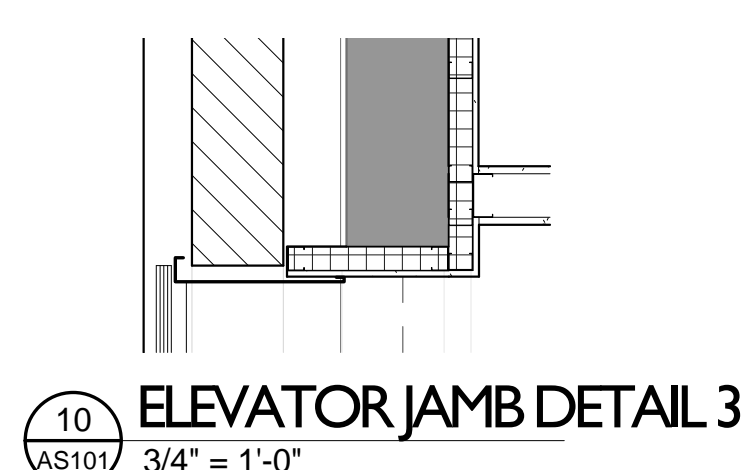


5 SECOND FLOOR ELEVATOR PLAN  
AS101 3/8" = 1'-0"

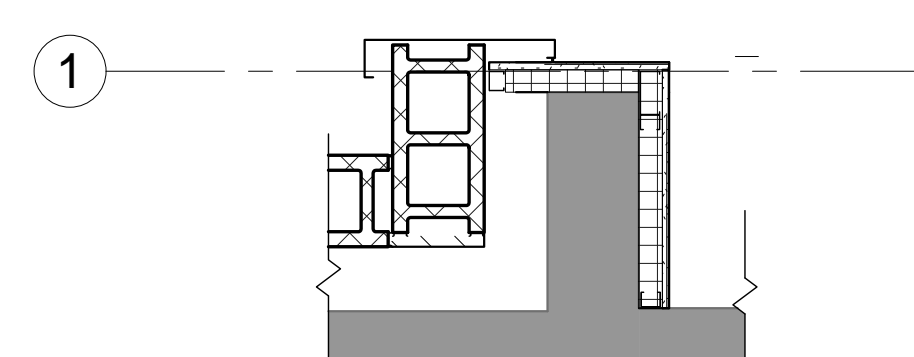
4 FIRST FLOOR ELEVATOR PLAN  
AS101 3/8" = 1'-0"



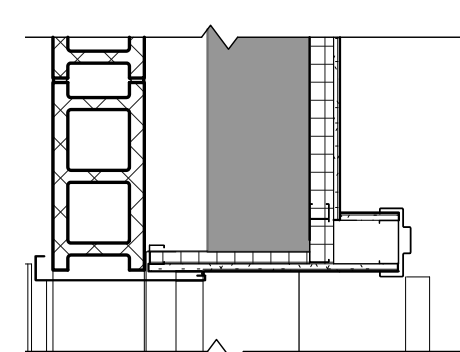
1 BASEMENT FLOOR PLAN  
AS101 1/8" = 1'-0"



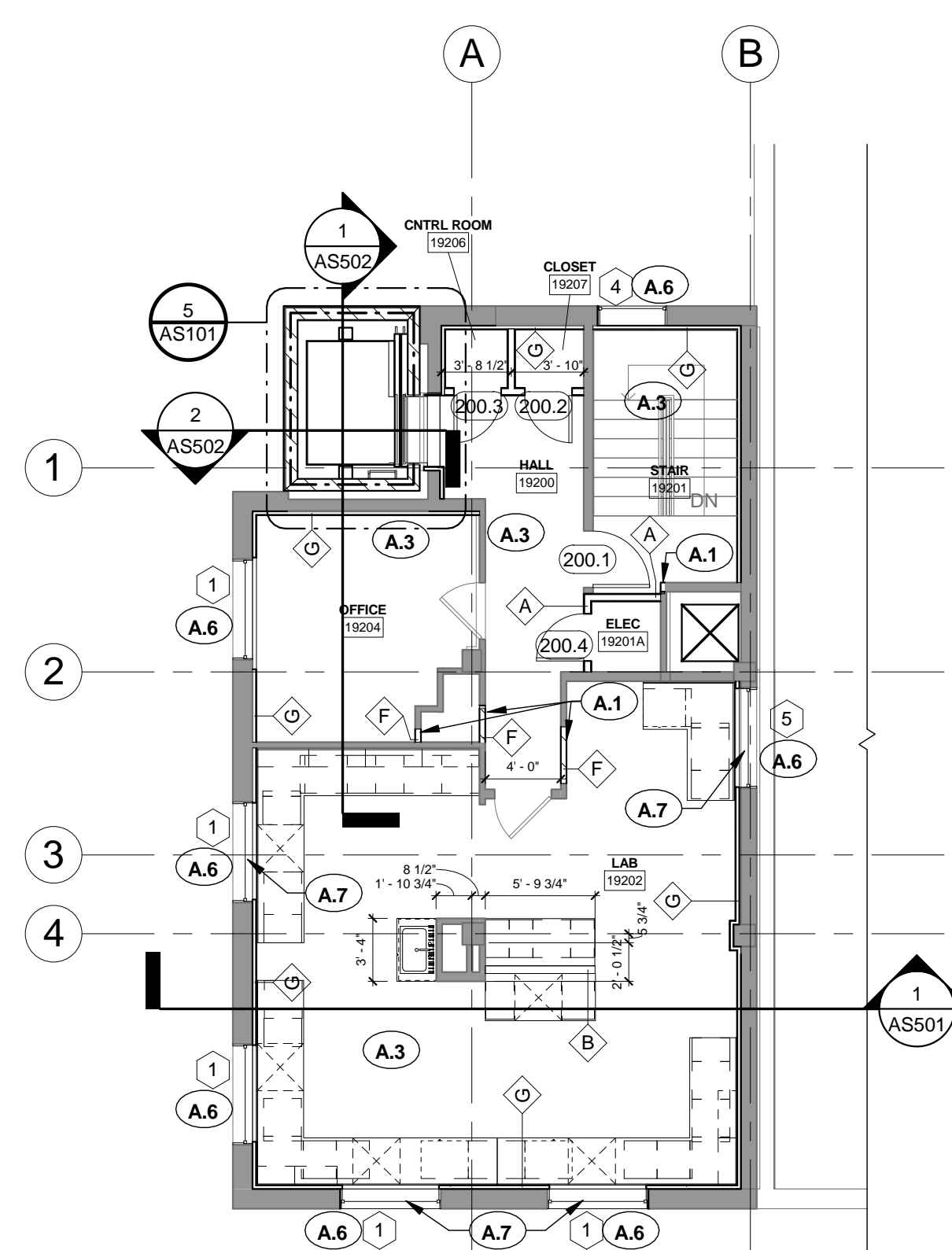
10 ELEVATOR JAMB DETAIL 3  
AS101 3/4" = 1'-0"



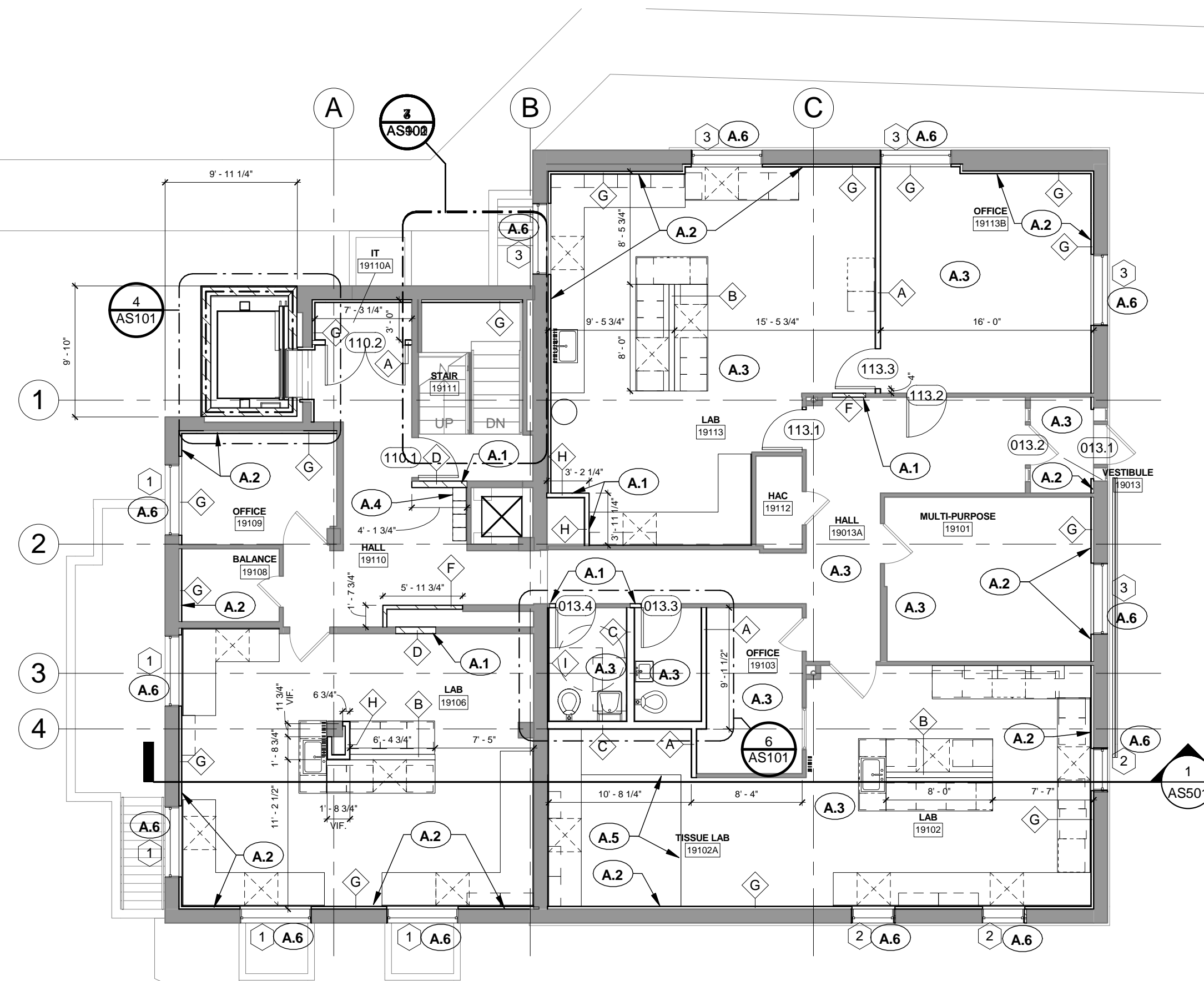
9 ELEVATOR JAMB DETAIL 2  
AS101 3/4" = 1'-0"



8 ELEVATOR JAMB DETAIL



3 SECOND FLOOR PLAN  
AS101 1/8" = 1'-0"



2 FIRST FLOOR PLAN  
AS101 1/8" = 1'-0"

[illegible]


**ROBLEY REX VAMC**  
**System**  
**800 Zorn Ave.**  
**Louisville, KY 40206**

<p>MEP / HVAC DESIGN</p> <p><b>BCCLT, Inc.</b></p> <p><a href="http://www.BCCLT.com">www.BCCLT.com</a></p>		<p>Site Civil, MEP Engineers              9100 Markfield Road              Suite 200              Louisville, KY 40222              T-502-708-1860</p>	<p><b>BCCLT</b></p> <p><i>Bugs, Cheese, Cuminis, London, Titzer</i></p> <p><b>CONSULTING ARCHITECTS</b></p>
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**PROJECT LEADER/ARCHITECT:**

**GUIDON**   
**DESIGN**

2453 N. DELAWARE ST. INDIANAPOLIS, IN. 46205  
317.800.6388 [WWW.GUIDONDESIGN.COM](http://WWW.GUIDONDESIGN.COM)  
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FOR BID				
Drawing title <b>FLOOR PLANS</b>	Project title <b>RENOVATE RESEARCH BUILDING 19 - T661</b>	Project Number <b>121004</b>		<b>OFFICE OF FACILITIES MANAGEMENT</b>
		Building Number <b>Bldg-19</b>		
Approved: Project Director <b>Anthony C. Costanzo</b> anthony.costanzo@va.gov 502-287-4222	Location <b>ROBLEY REX VAMC</b>		Drawing Number <b>AS101</b>	VA Project Number <b>603-12-601 - T661</b>
	Date <b>8/17/2012</b>	Checked By: <b>LJL</b>	Drawn By: <b>STW</b>	 <b>Department of Veterans Affairs</b>



## REFLECTED CEILING NOTES

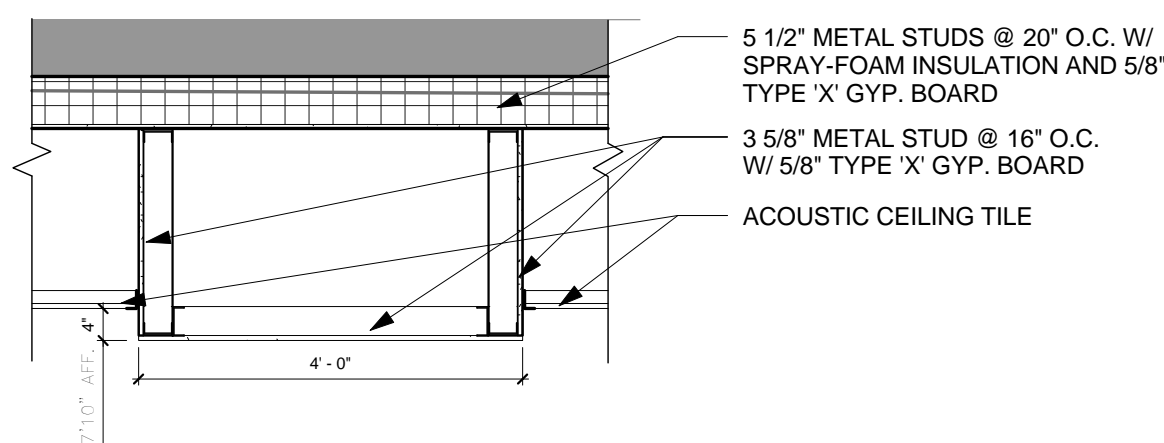
- A. ALL ACOUSTICAL CEILING TILE CEILINGS TO BE 8'-2" A.F.F. UNLESS NOTED OTHERWISE
- B. REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL NOTES AND CEILING INFORMATION.
- C. PROVIDE CONTROL JOINTS IN PLASTER & GYPSUM BOARD CEILINGS AND BULKHEADS WHERE RECOMMENDED/REQUIRED BY MANUFACTURERS OR INDUSTRY STANDARDS, OR WHERE INDICATED. COORDINATE LOCATION WITH ARCHITECT.
- D. ALL CEILING HEIGHTS ARE FROM FINISHED FLOOR.
- E. INSTALL SUSPENDED CEILING GRID WITH EQUAL SIZE PANELS AT EACH SIDE OR END OF THE INDIVIDUAL SPACES UNLESS OTHERWISE INDICATED. NO PANEL SHALL BE LESS THAN 4" WIDE.
- F. THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND/OR PENETRATIONS. COORDINATE ANY FIELD VERIFIED OR AS-BUILT CONDITIONS THAT DIFFER FROM WHAT IS SHOWN ON THESE PLANS WITH THE ARCHITECT.
- G. SIZES AND SHAPES OF LIGHTING FIXTURES AND OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT (IF SHOWN) ARE FOR REFERENCE ONLY. COORDINATE ACTUAL SIZES AND TYPES WITH THE ELECTRICAL DRAWINGS/ENGINEER.
- H. COORDINATE CLEARANCES WITH M.E.P. DRAWINGS. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO CONSTRUCTION.
- J. SIZES OF MECHANICAL EQUIPMENT (IF SHOWN) ARE FOR REFERENCE ONLY. COORDINATE ACTUAL SIZES AND TYPES WITH MECHANICAL DRAWINGS/ENGINEER.
- K. ALL CEILING MOUNTED ITEMS (SPRINKLER HEADS, MOUNTING MECHANISMS, ETC.) SHALL BE CENTERED IN THE CEILING PANELS UNLESS OTHERWISE NOTED/INDICATED.

## REFLECTED CEILING PLAN KEY NOTES

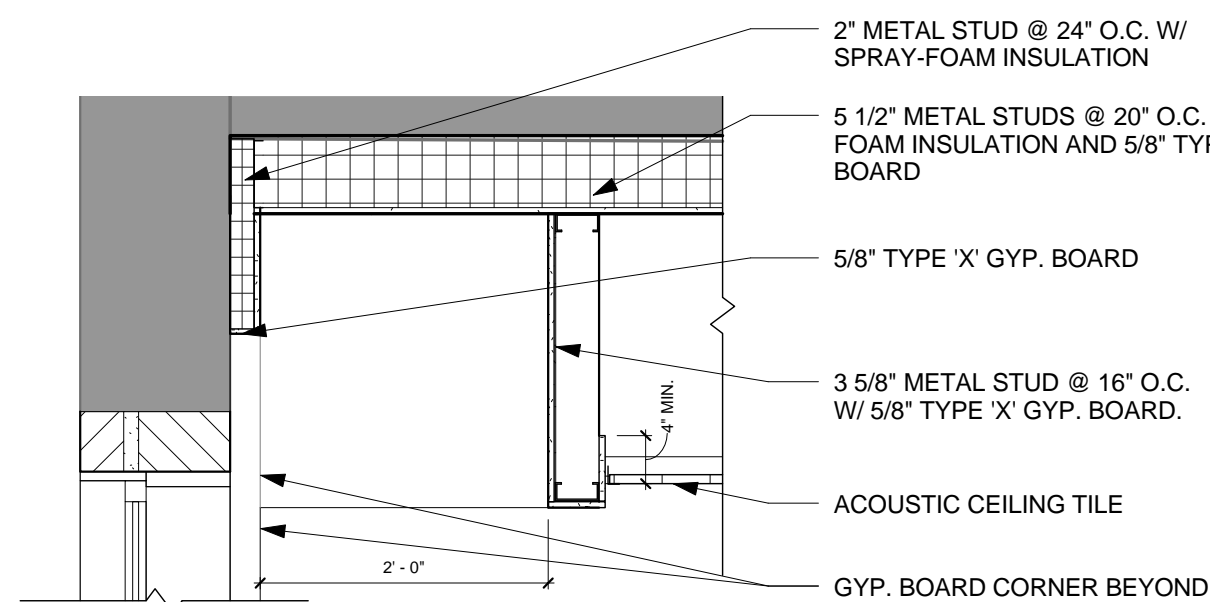
- C.1 NOT USED
- C.2 PAINT ALL GYP BOARD CEILINGS P-6, PAINT VERTICAL BULKHEADS P-1. SEE FINISH LEGEND.
- C.3 PAINT ALL EXPOSED FIREPROTECTION AND PLUMBING PIPES, HANGER AND SUPPORTS P-3. SEE FINISH LEGEND.
- C.4 EXTEND WALL TO DECK
- C.5 PAINT ALL EXPOSED ALL DUCTS, MECHANICAL UNITS, DAMPERS ETC. P-4, SEE FINISH LEGEND.
- C.6 PAINT ALL EXPOSED STRUCTUR, CONDUIT AND OTHER EQUIPMENT P-5, SEE FINISH LEGEND.

## REFLECTED CEILING PLAN LEGEND

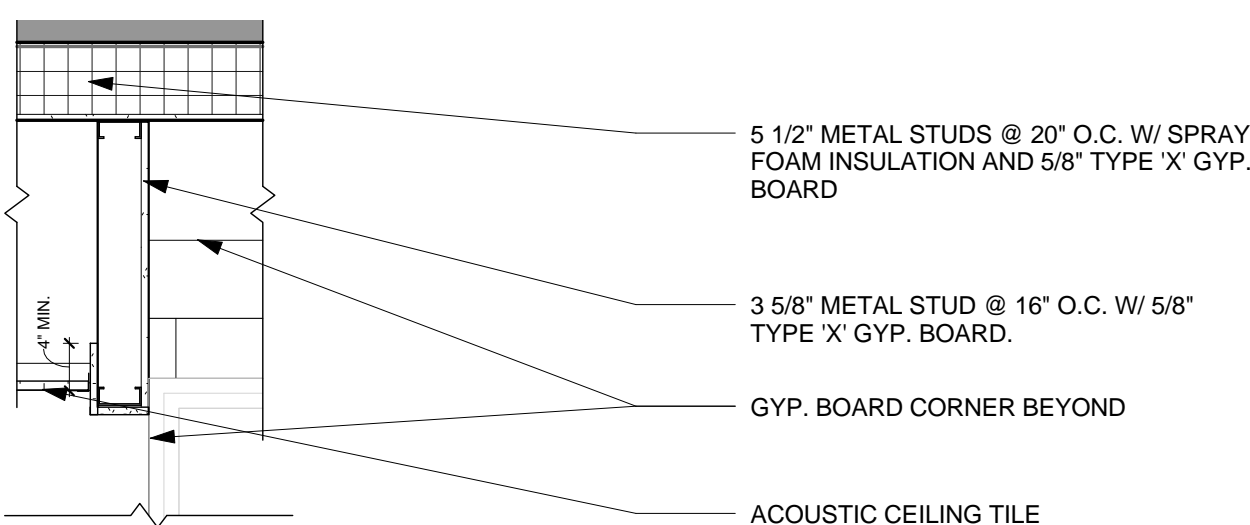
A		GYPSUM BOARD, PAINTED
B		2x4 SUSPENDED ACOUSTICAL CEILING TILE AND GRID SYSTEM
C		2x2 SUSPENDED ACOUSTICAL CEILING TILE AND GRID SYSTEM
D		EXPOSED STRUCTURAL DECK ABOVE
		LIGHT FIXTURES AND DIFFUSERS
CEILING TYPE		
CEILING HEIGHT ABOVE FIN.FLR. AT LOWER LEVEL		



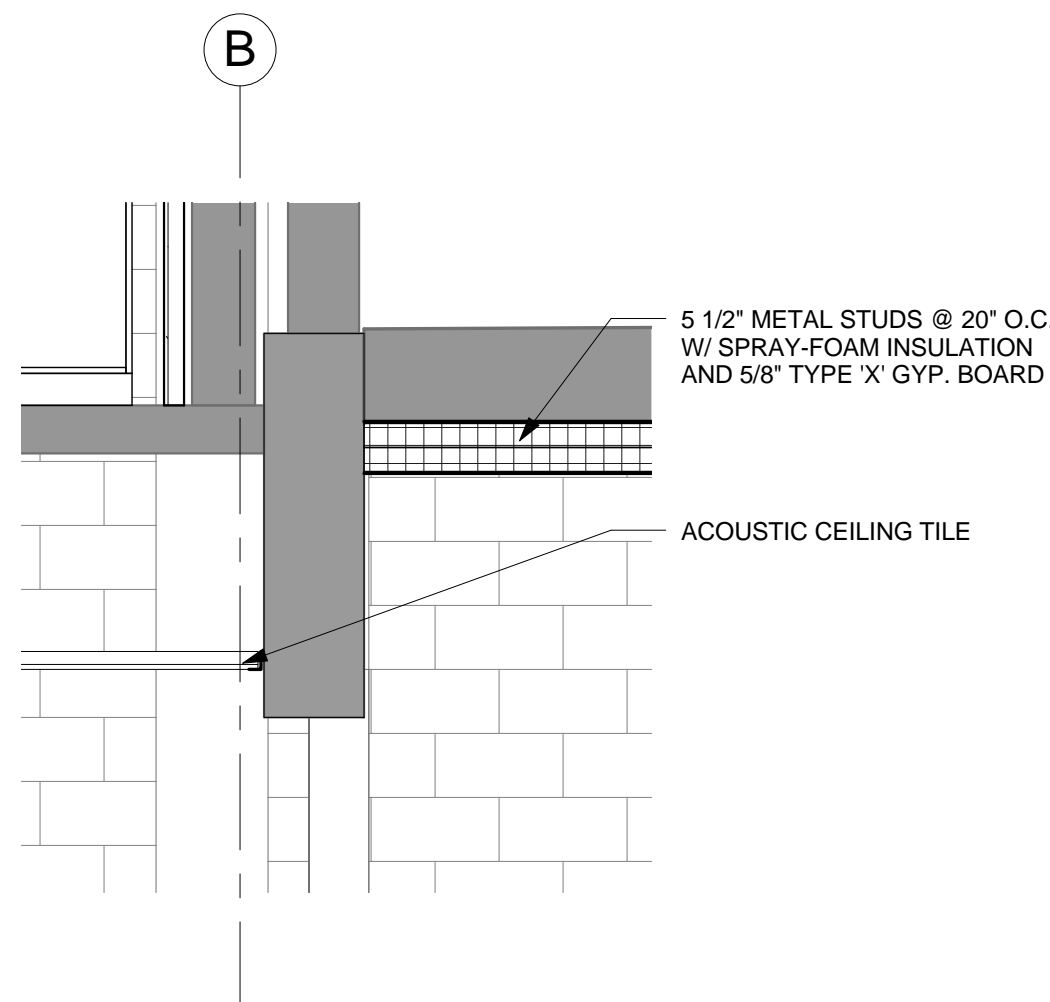
6 DROPPED BULKHEAD  
1/2" = 1'-0"



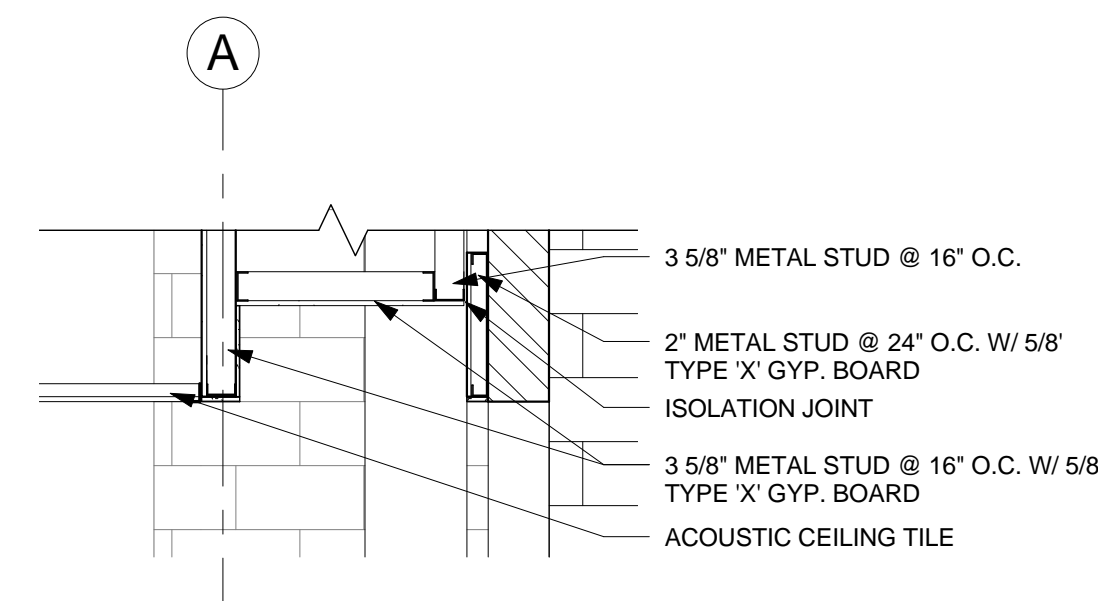
5 LIGHTWELL SECTION, TYP  
3/4" = 1'-0"



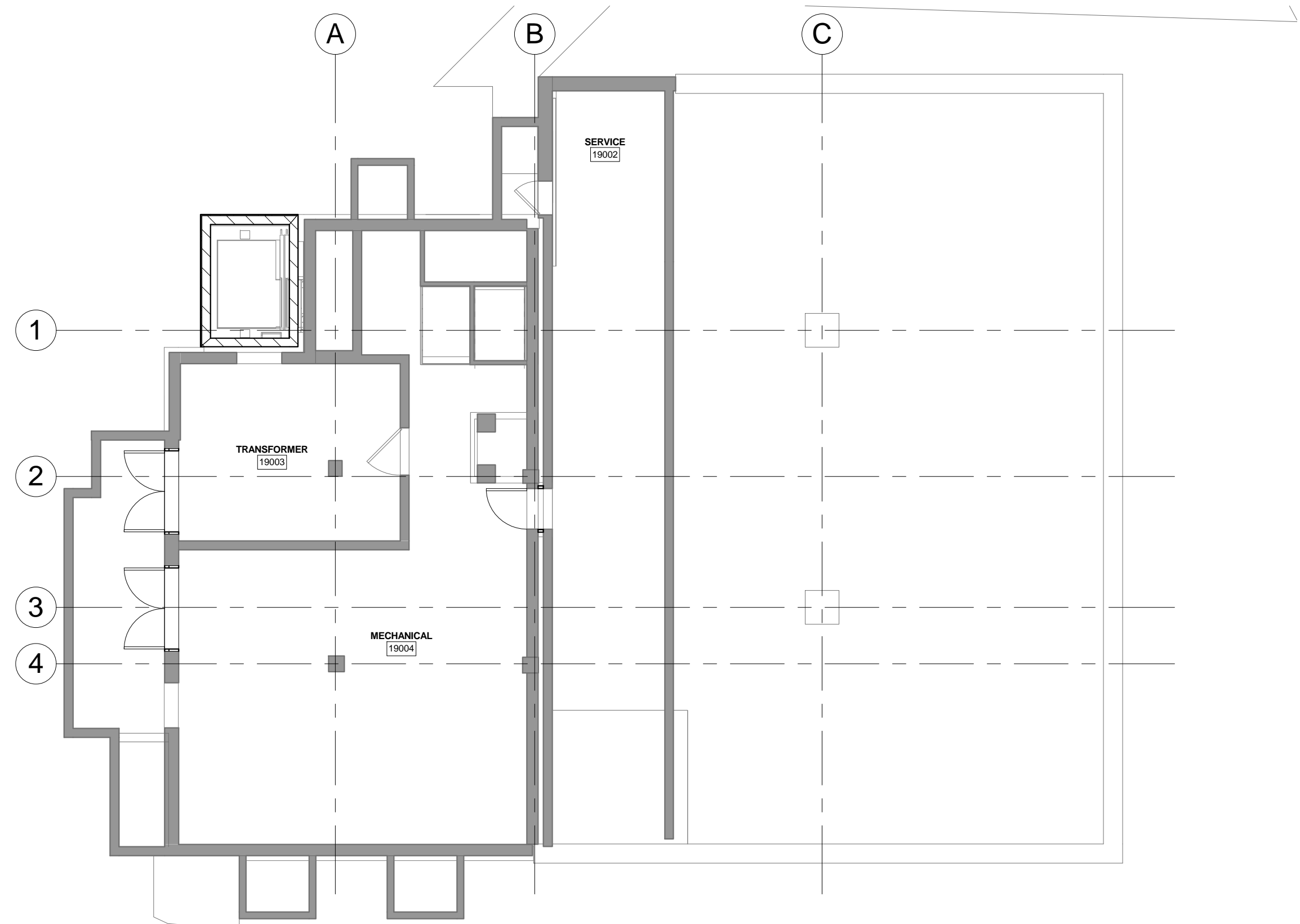
4 LIGHTWELL SIDE SECTION, TYP  
3/4" = 1'-0"



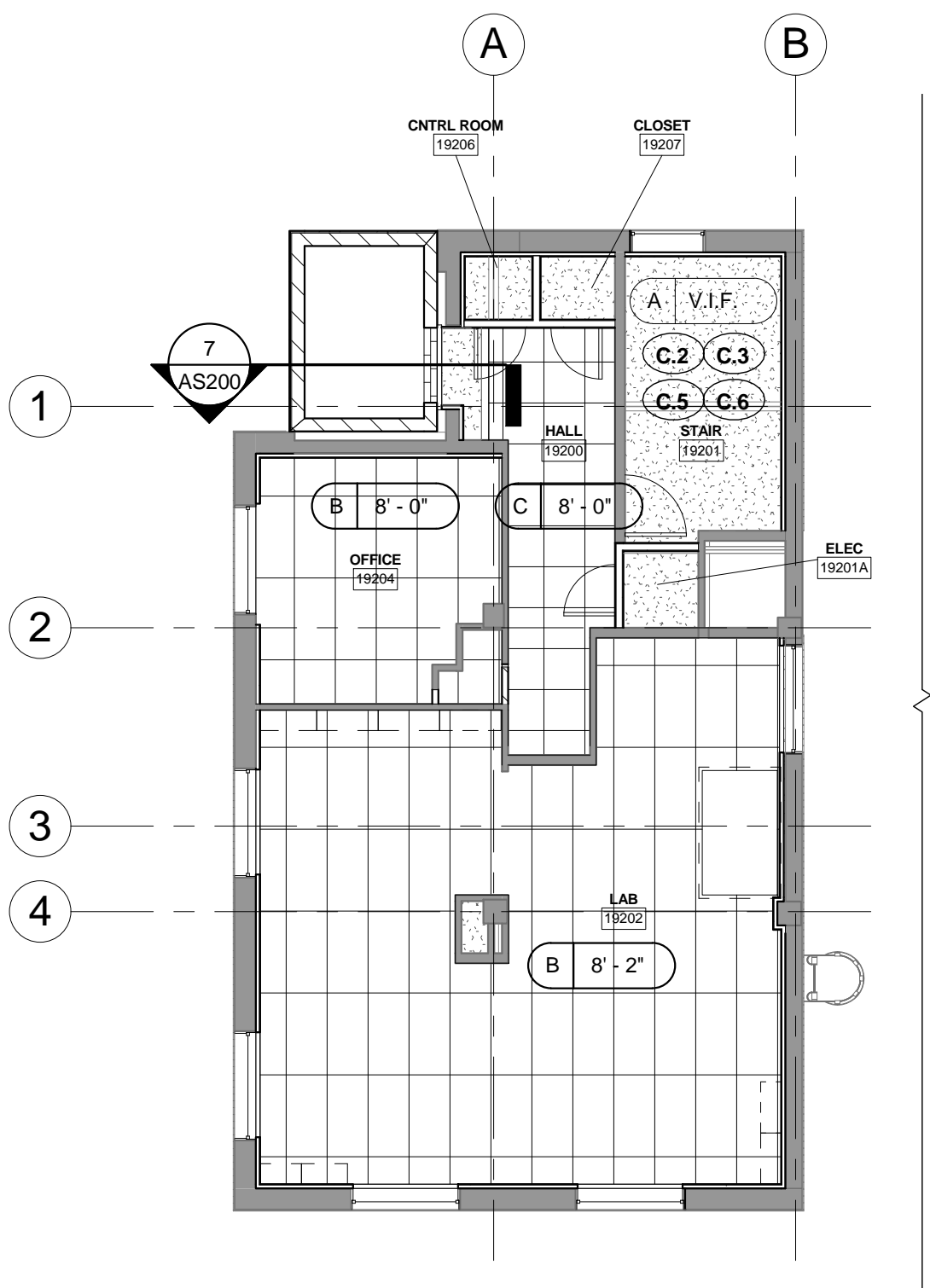
8 HALLWAY BULKHEAD  
1/2" = 1'-0"



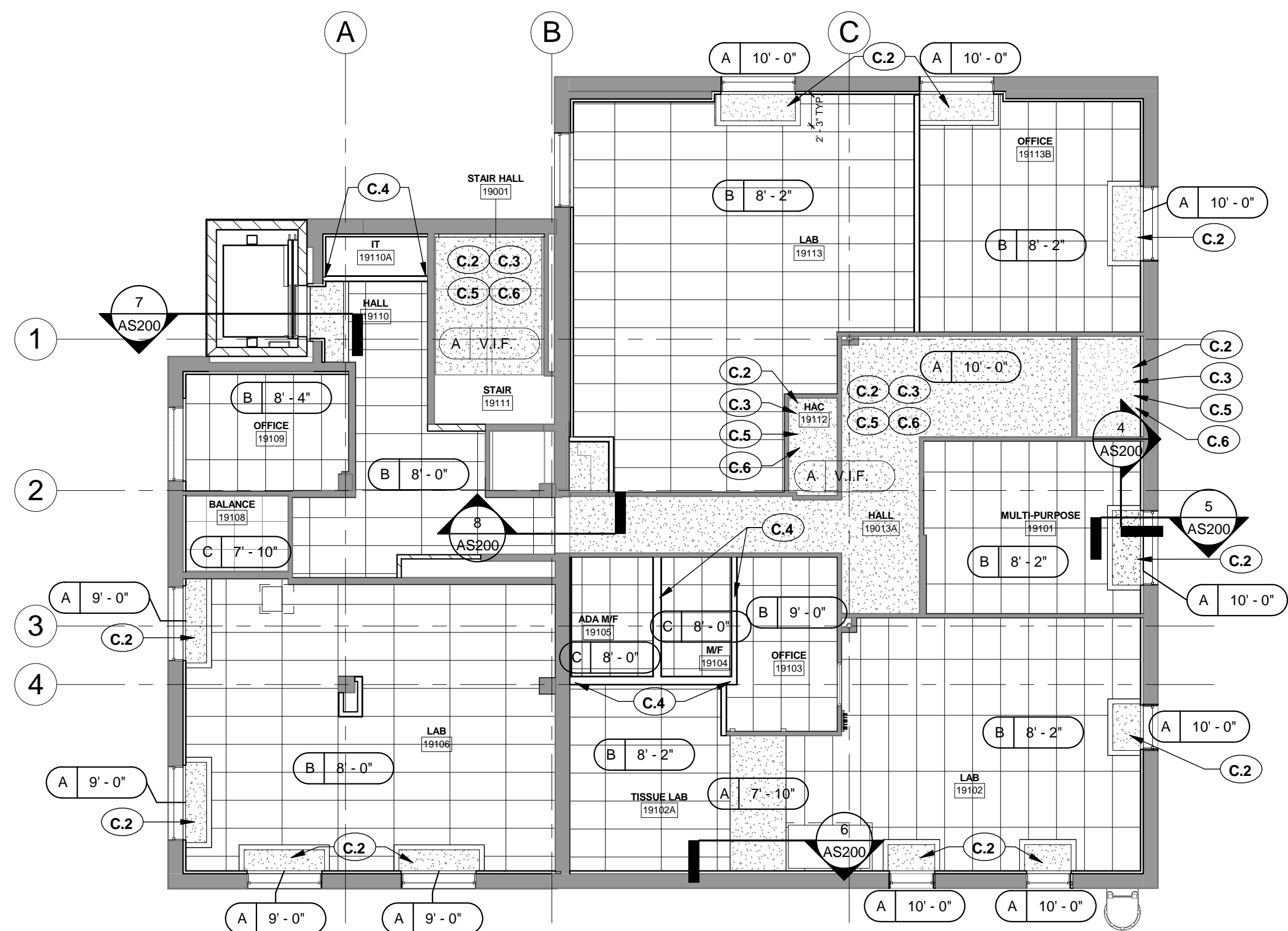
7 ELEVATOR BULKHEAD  
1/2" = 1'-0"



3 BASEMENT REFLECTED CEILING PLAN  
1/8" = 1'-0"



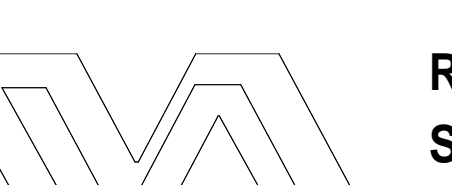

2 2ND FLOOR REFLECTED CEILING PLAN  
1/8" = 1'-0"



1 1ST FLOOR REFLECTED CEILING PLAN  
1/8" = 1'-0"

## FULLY SPRINKLERED

## FOR BID

		 <div>ROBLEY REX VAMC System 800 Zorn Ave. Louisville, KY 40206</div>		<div>MEP / HVAC DESIGN</div> <div>BCCLT, Inc. Site Civil, MEP Engineers 9100 Markfield Road Suite 200 Louisville, KY 40222 T-502-709-1860 www.BCCLT.com</div> <div>BCCLT Bugs, Chases, Closures, Leaks, Tears — consulting engineers —</div>		<div>PROJECT LEADER/ARCHITECT:</div> <div>GUIDON DESIGN 2453 N. DELAWARE ST. INDIANAPOLIS, IN. 46205 317.800.6388 WWW.GUIDONDESIGN.COM SUSTAINABLE ARCHITECTURE + ENGINEERING</div>		<div>Drawing Title</div> <div>REFLECTED CEILING PLANS</div>		<div>Project Title</div> <div>RENOVATE RESEARCH BUILDING 19 - T661</div>		<div>Project Number</div> <div>12.1004</div>		<div>OFFICE OF FACILITIES MANAGEMENT</div>	
				<div>INTERIOR DESIGN ARCHITECT</div> <div>JRA Architects Louisville Office: 3225 Summit Square Place, Suite 200 Louisville, KY 40206 T: 502.583.4697 www.jrachitects.com</div> <div>JRA architects</div>			<div>Approved: Project Director</div> <div>Anthony C. Costanzo anthony.costanzo@va.gov 502-287-4222</div>		<div>Location</div> <div>ROBLEY REX VAMC</div>		<div>Building Number</div> <div>Bldg-19</div>		<div>VA Project Number</div> <div>603-12-601 - T661</div>		
<div>Revisions:</div>				<div>Date</div>				<div>Date</div> <div>8/17/2012</div>		<div>Checked By:</div> <div>LJL</div>		<div>Drawn By:</div> <div>STW</div>		<div>Drawing Number</div> <div>AS200</div>	

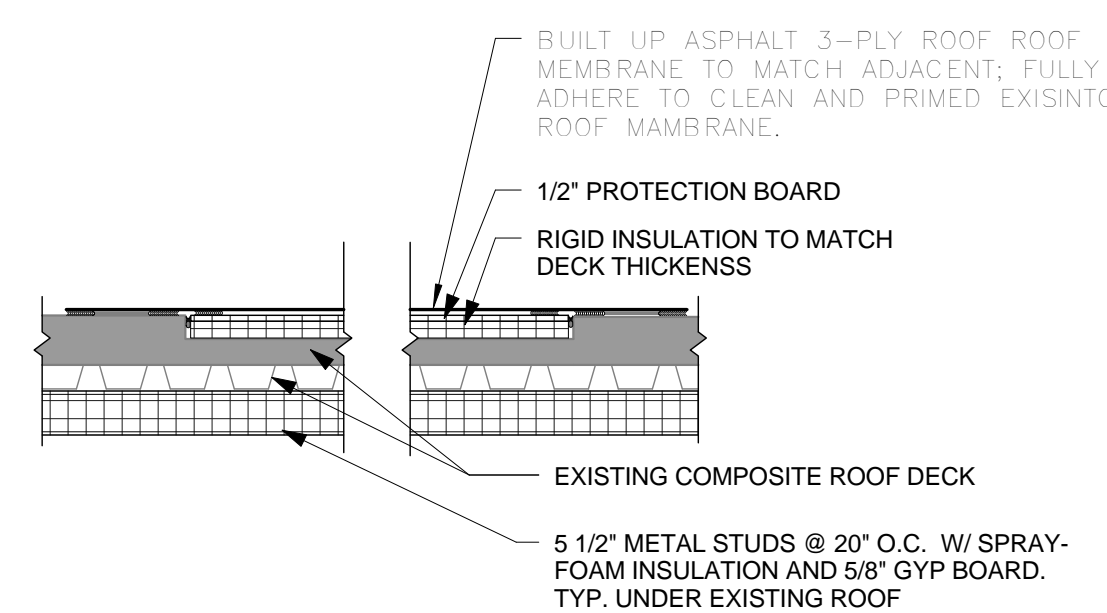


## ROOF PLAN GENERAL NOTES

- A. PROVIDE MANUFACTURER'S STANDARD DETAILS WHERE MECHANICAL EQUIPMENT OCCURS, COORDINATE W/ ARCHITECTURAL AND MEP.
- B. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL ROOF PENETRATION REQUIREMENTS.
- C. REPAIR/REPLACE ROOFING MEMBRANE WHERE NEEDED. REFERENCE MECHANICAL PLANS TO IDENTIFY ABANDONED EQUIPMENT PLATFORMS
- D. REMOVE ALL UNUSED EXISTING ROOF CURBS AND RESTORE ROOF. INCLUDES BUT NOT LIMITED TO AREAS NOTED R.1

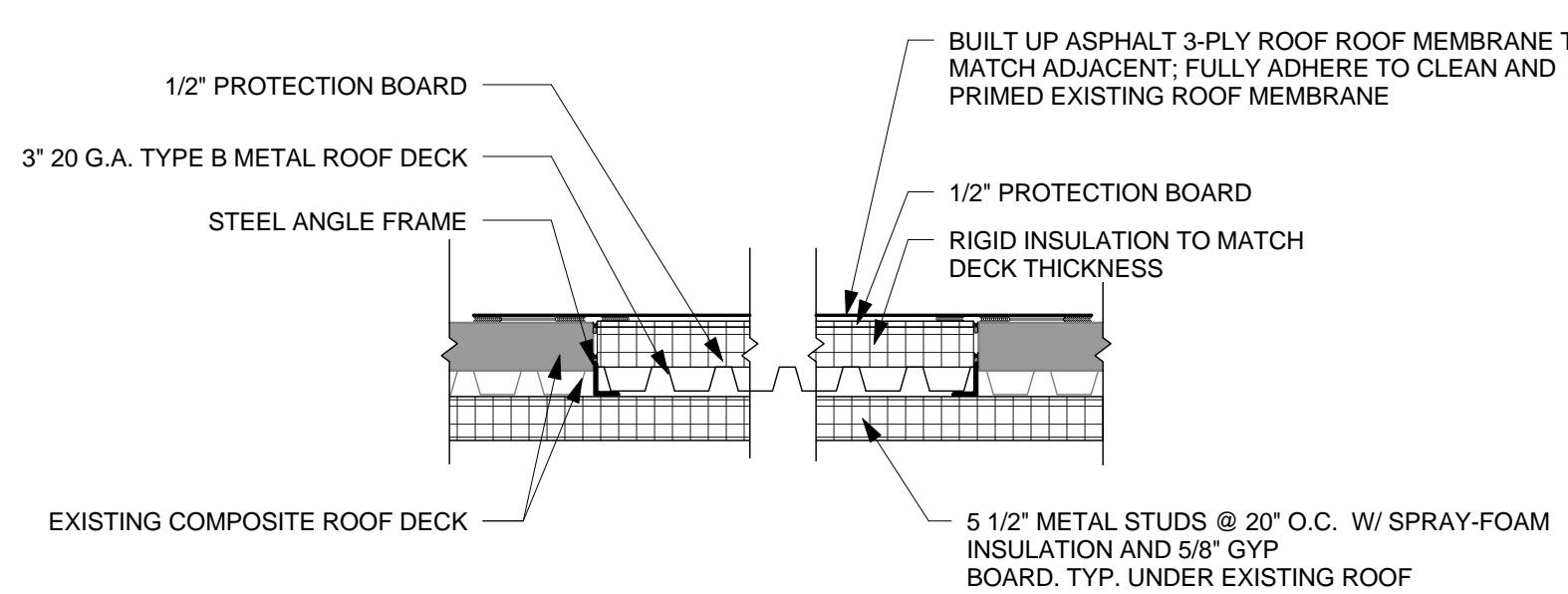
### ROOF PLAN KEY NOTES

- |     |   |
|-----|---|
| R.1 | PATCH BUILT-UP ROOF, AS INDICATED AND ANY<br>ADDITIONAL LOCATIONS AS REQUIRED BY NEW WORK |
|-----|---|



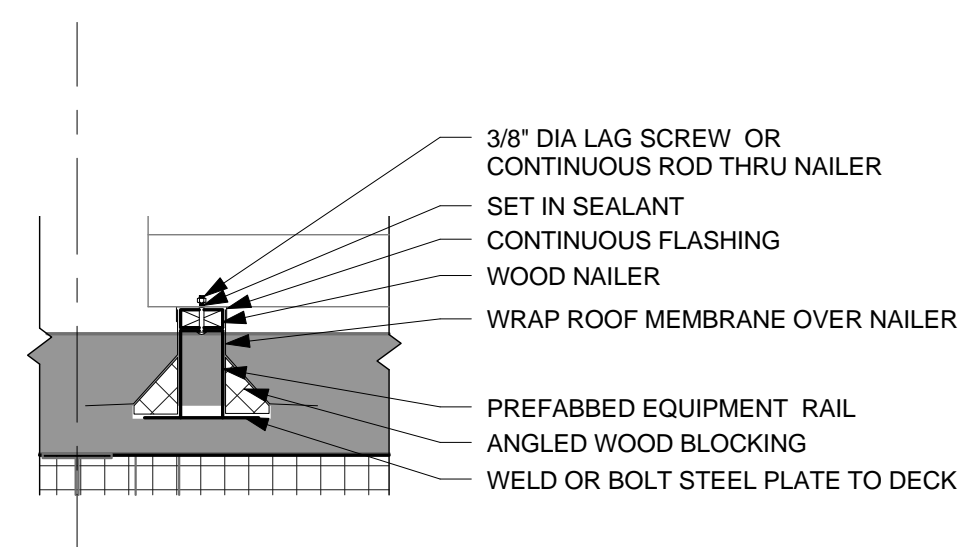
4 TYP. ROOF CURB PATCH

AS300 1/2" = 1'-0"



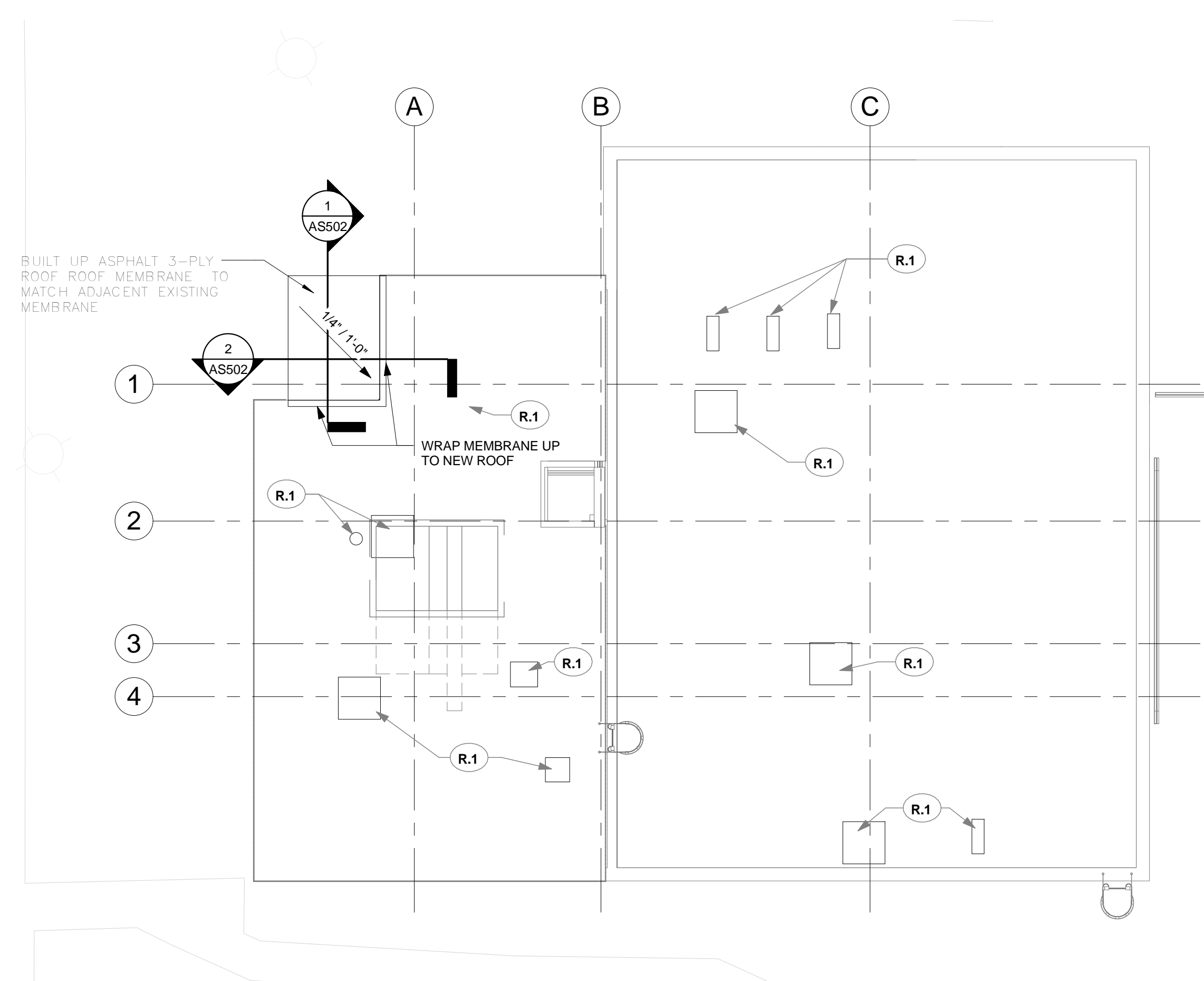
3 TYP. ROOF PENETRATION PATCH

AS300  $1/2" = 1'-0"$



② MECHANICAL ROOF CURB DETAIL

(AS300)  $3/4" = 1'-0"$




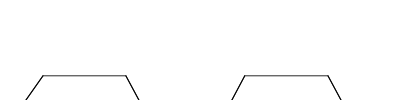
1 ROOF PLAN

AS300  $1/8" = 1'-0"$

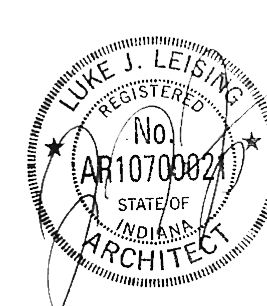
**FULLY SPRINKLERED**

**FOR BID**

Drawing Title <b>ROOF PLAN</b>		Project Title <b>RENOVATE RESEARCH BUILDING 19 - T661</b>		Project Number <b>12.1004</b>		OFFICE OF FACILITIES MANAGEMENT
				Building Number <b>Bldg-19</b>		
Approved: Project Director <b>Anthony C. Costanzo</b> anthony.costanzo@va.gov 502-287-4222		Location <b>ROBLEY REX VAMC</b>		Drawing Number <b>AS300</b>		VA Project Number <b>603-12-601 - T661</b>
		Date <b>8/17/2012</b>	Checked By: <b>LJL</b>	Drawn By: <b>STW</b>	 Department of Veterans Affairs	

[illegible]

**ROBLEY REX VAMC  
System**  
800 Zorn Ave.  
Louisville, KY 40206



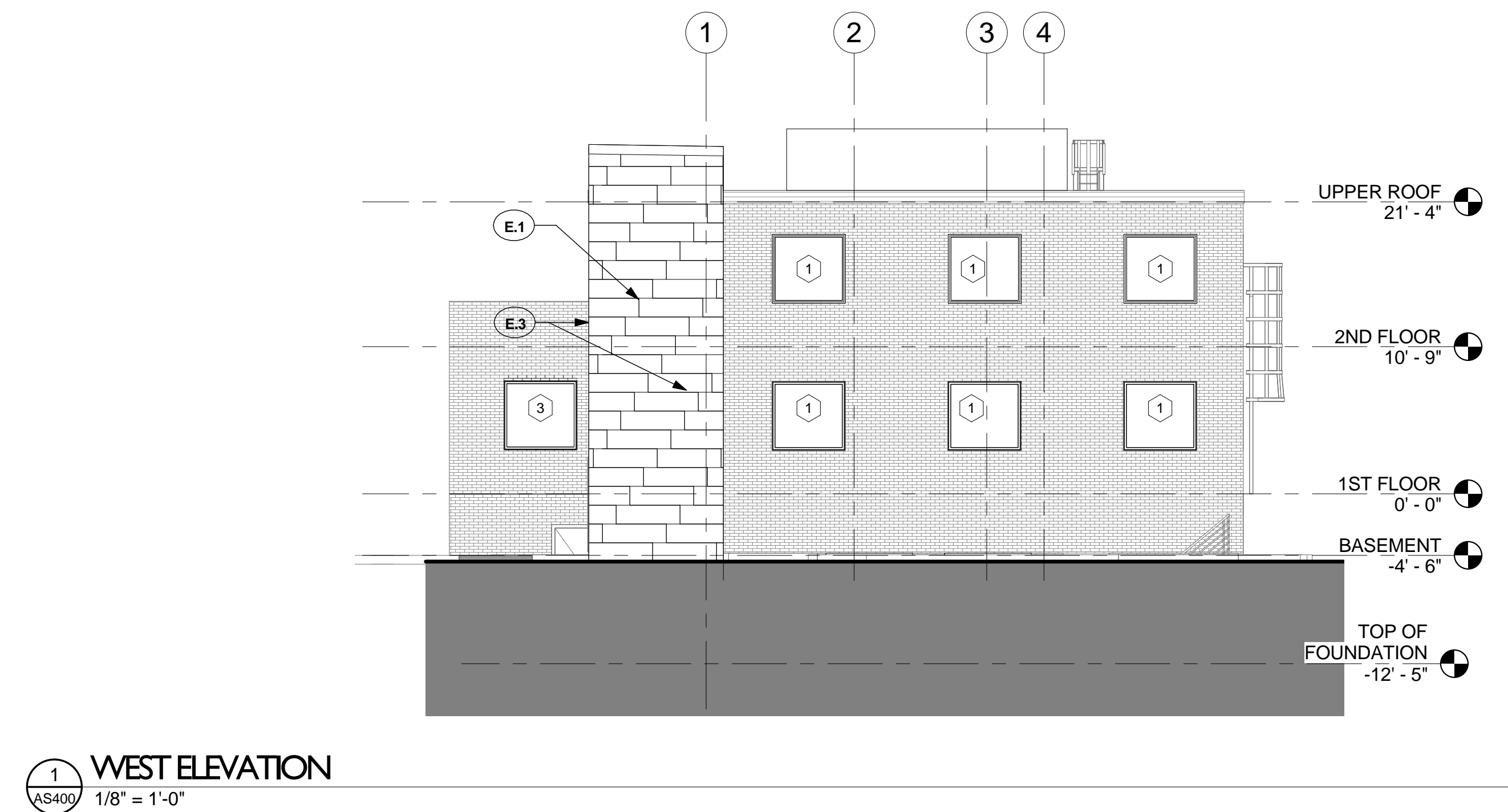
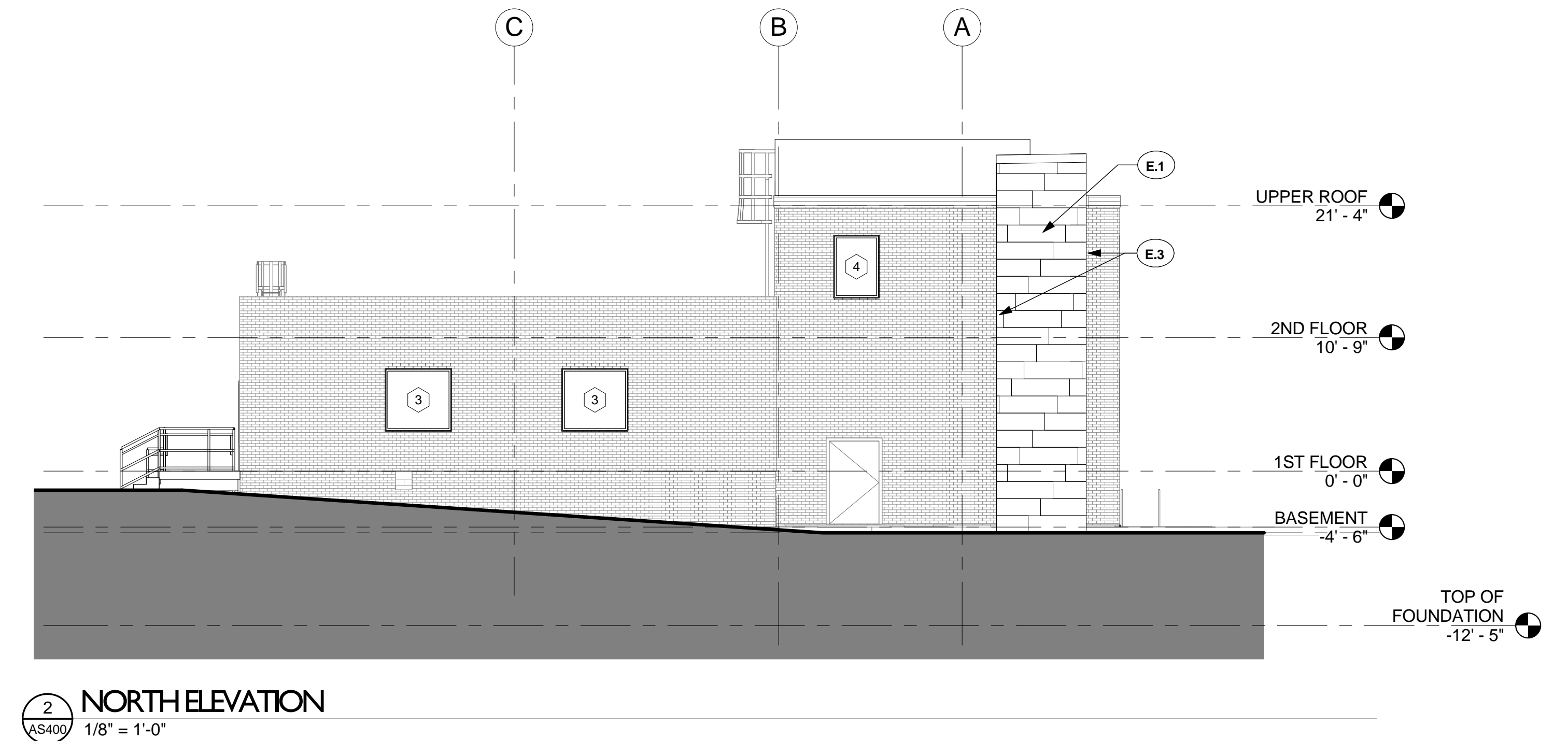
<p>MEP / HVAC DESIGN</p> <p><b>BCCLT, Inc.</b></p> <p>www.BCCLT.com</p>		<p>Site Civil, MEP Engineers 9100 Markfield Road Suite 200 Louisville, KY 40222 T:502-708-1860</p>	<p><b>BCCLT</b></p> <p>Bligh, Chance, Cummins, Lounds, Titzer</p> <p><i>...consulting engineers...</i></p>
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**PROJECT LEADER/ARCHITECT:**


**GUIDON**   
**DESIGN**

2453 N. DELAWARE ST., INDIANAPOLIS, IN. 46205  
317.800.6388 [WWW.GUIDONDESIGN.COM](http://WWW.GUIDONDESIGN.COM)  
**SUSTAINABLE ARCHITECTURE + ENGINEERING**





## FULLY SPRINKLERED

FOR BID						
Drawing Title <b>EXTERIOR ELEVATIONS</b>	Project Title <b>RENOVATE RESEARCH BUILDING 19 - T661</b>		Project Number <b>12.1004</b>		<b>OFFICE OF FACILITIES MANAGEMENT</b>	
			Building Number <b>Bldg-19</b>			
Approved: Project Director <b>Anthony C. Costanzo anthony.costanzo@va.gov 502-287-4222</b>	Location <b>ROBLEY REX VAMC</b>		Drawing Number <b>AS400</b>		VA Project Number <b>603-12-601 - T661</b>	
	Date <b>8/17/2012</b>	Checked By: <b>LJL</b>	Drawn By: <b>STW</b>	 <b>Department of Veterans Affairs</b>		

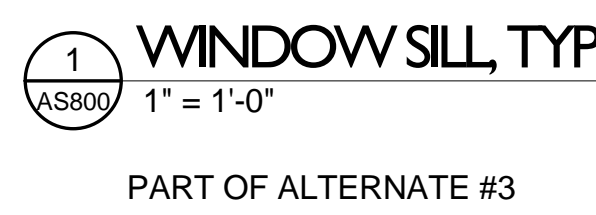




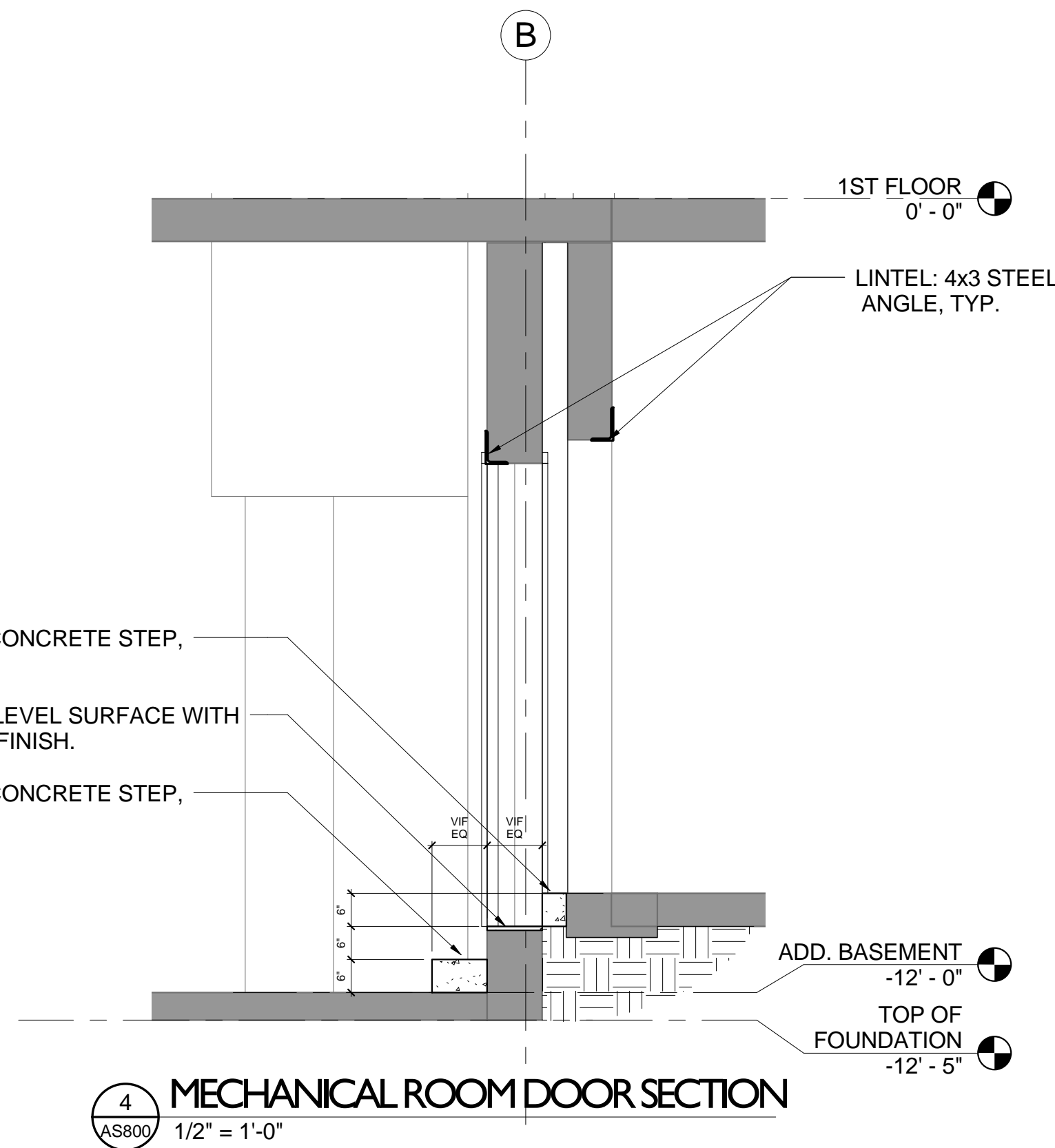









**SIGN DETAIL**

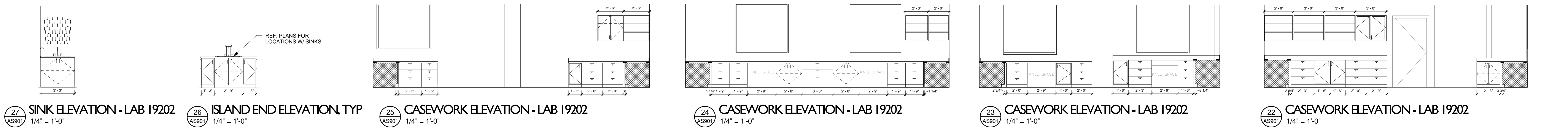
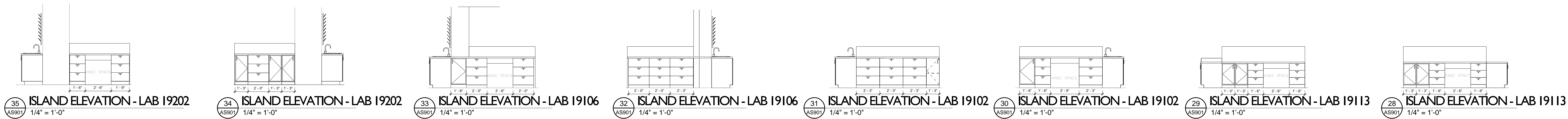


FOR BID						
Drawing Title		Project Title		Project Number		OFFICE OF FACILITIES MANAGEMENT
DOOR AND WINDOW DETAILS		RENOVATE RESEARCH BUILDING 19 - T661		12.1004		
				Building Number		
				Bldg-19		
Approved: Project Director		Location		Drawing Number		VA Project Number
Anthony C. Costanzo anthony.costanzo@va.gov 502-287-4222		ROBLEY REX VAMC		AS800		603-12-601 - T661
		Date	Checked By:	Drawn By:		
		8/17/2012	LJL	STW		
						 Department of Veterans Affairs

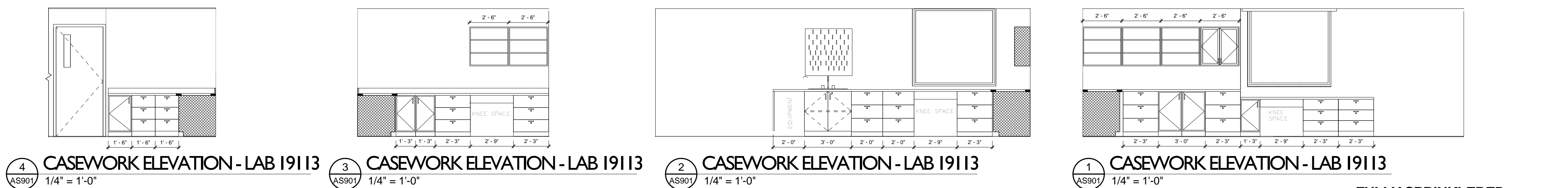
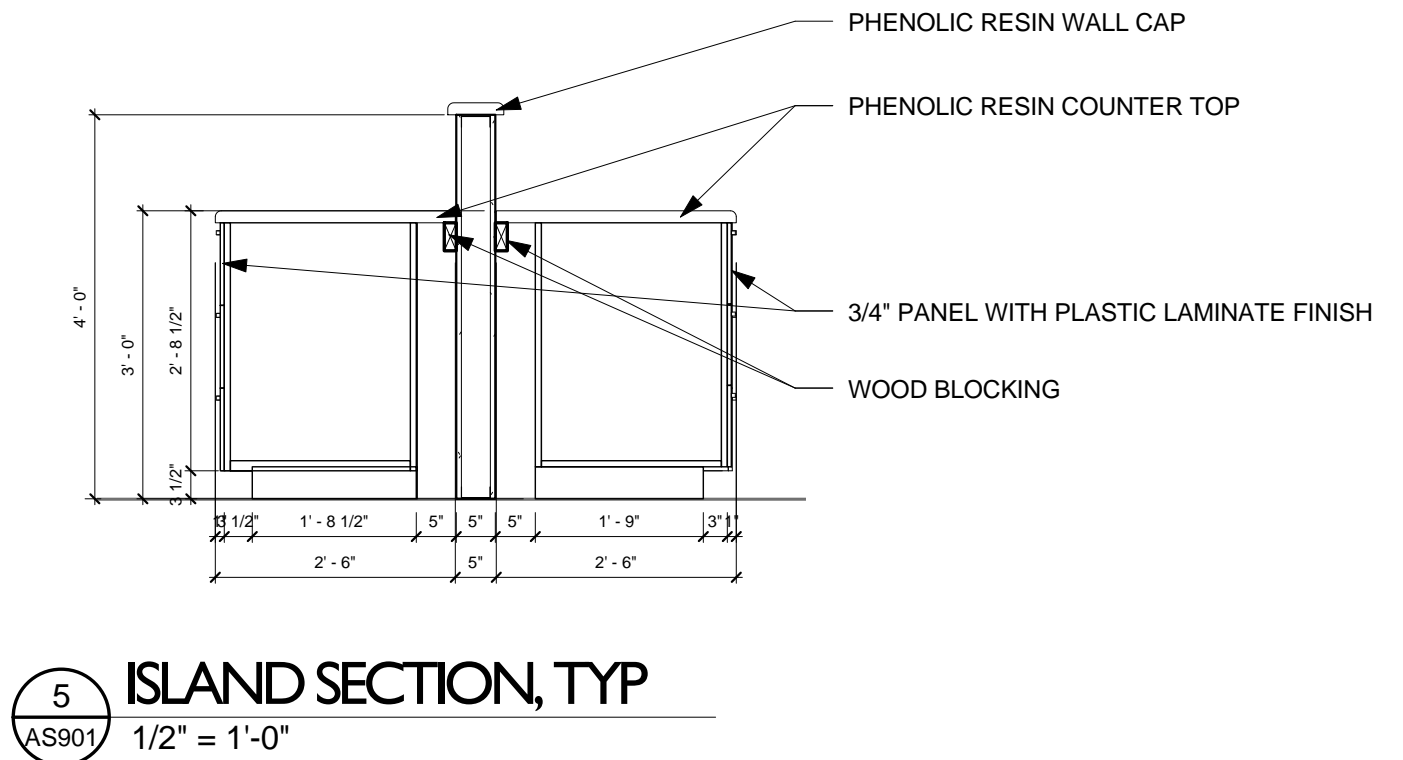
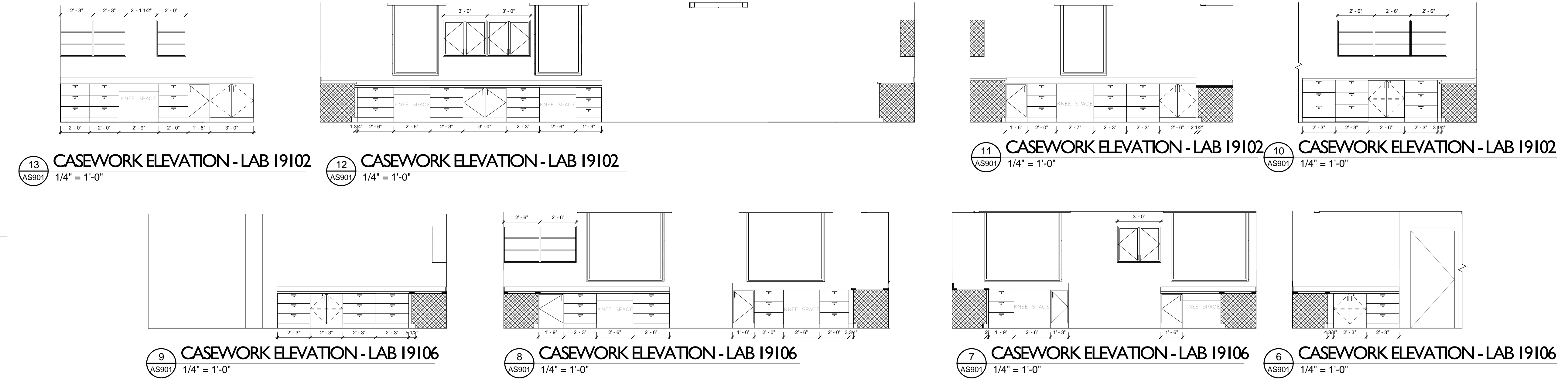
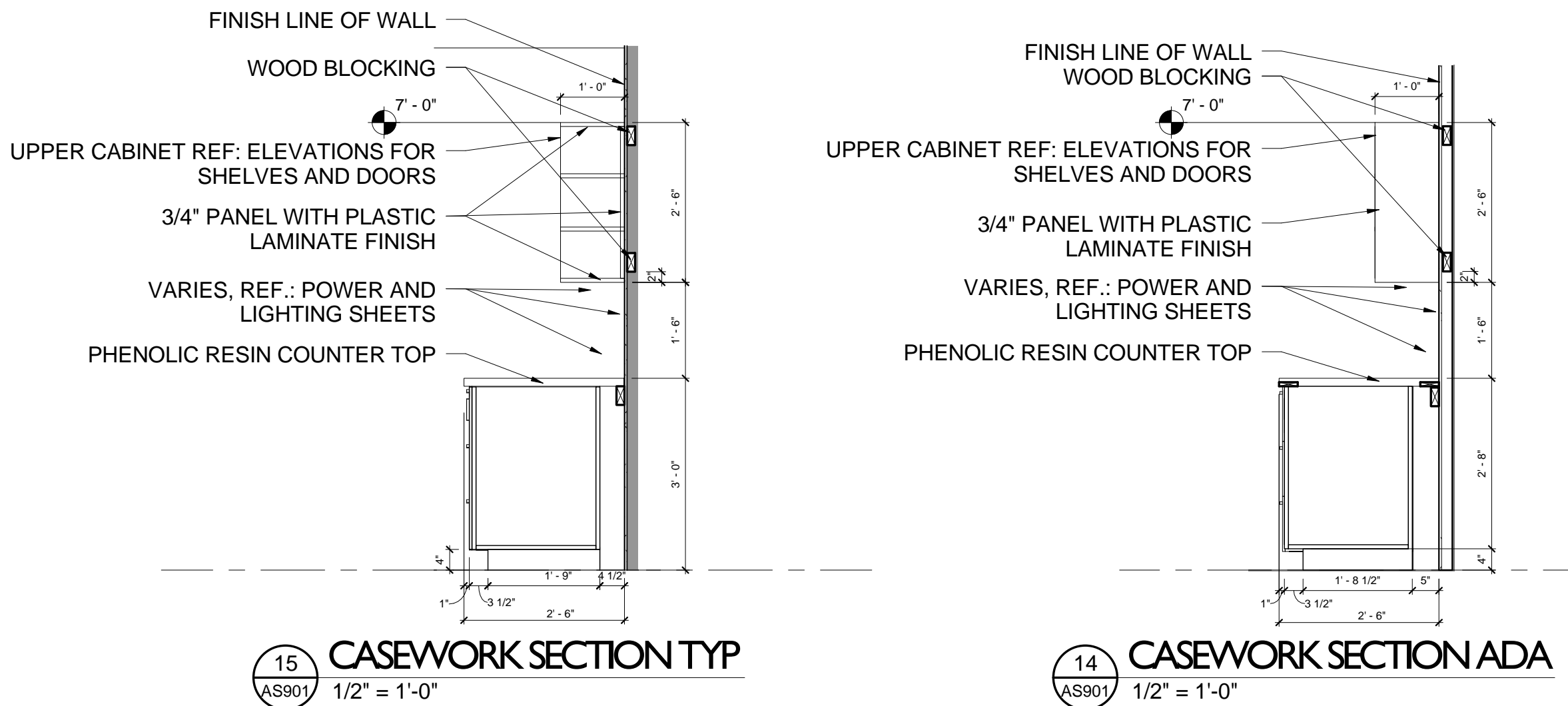
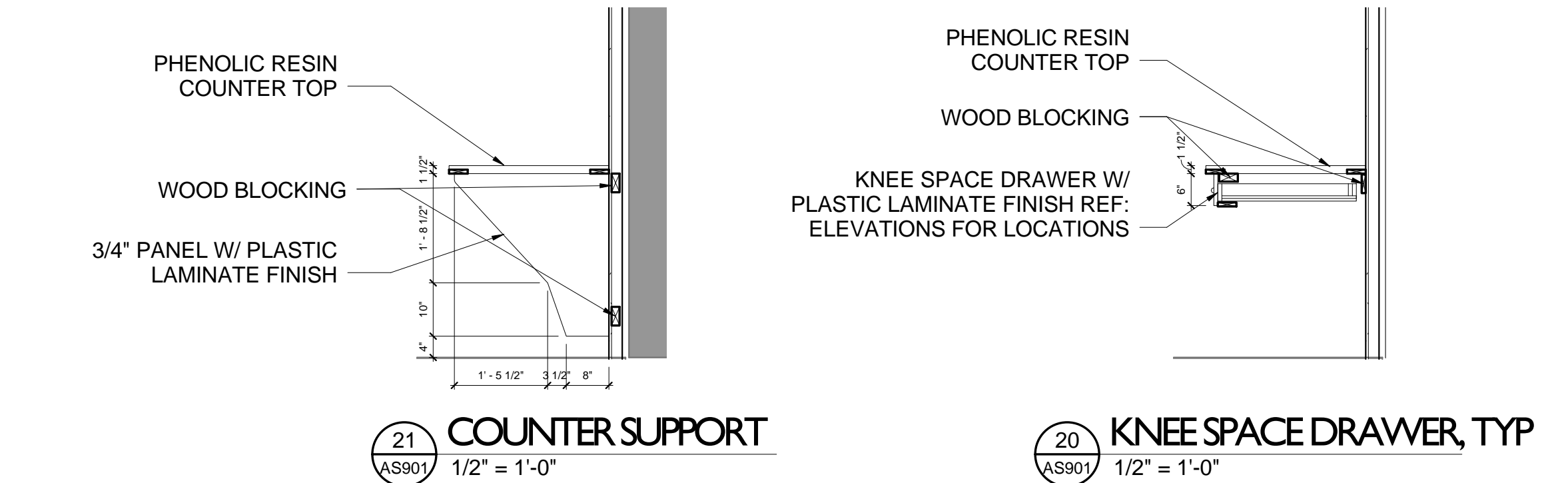
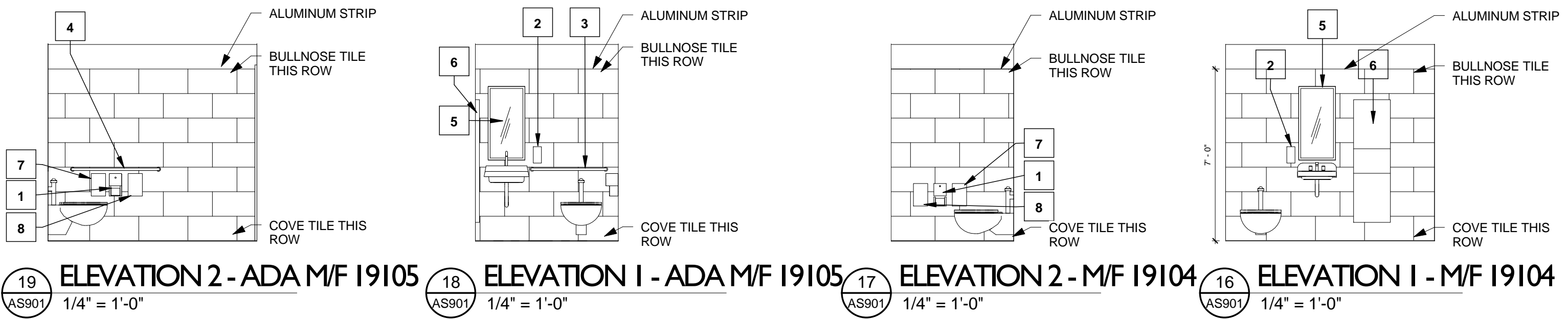




CASEWORK NOTES:  
ALL COUNTERS TO BE PHENOLIC RESIN (SS)  
ALL CABINETS TO BE PLASTIC LAMINATE (PL-1)  
NOTE: ALL CASEWORK TO BE PART OF ALTERNATE #2



TOILET ACCESSORY SCHEDULE			
NO.	ITEM	MANUFACTURER	COMMENTS
1	TOILET TISSUE DISPENSER	REFERENCE SPECIFICATIONS	O.F.C.I
2	SOAP DISPENSER	REFERENCE SPECIFICATIONS	O.F.C.I
3	GRAB BAR 36"	REFERENCE SPECIFICATIONS	C.F.C.I. SEE SPECS FOR MOUNTING HEIGHT
4	GRAB BAR 42"	REFERENCE SPECIFICATIONS	C.F.C.I. SEE SPECS FOR MOUNTING HEIGHT
5	18" X 36" MIRROR	REFERENCE SPECIFICATIONS	C.F.C.I. SEE SPECS FOR MOUNTING HEIGHT
6	COMBINATION PAPER TOWEL DISPENSER AND DISPOSAL UNIT	REFERENCE SPECIFICATIONS	O.F.C.I
7	SANITARY NAPKIN DISPOSAL	REFERENCE SPECIFICATIONS	O.F.C.I
8	SANITARY NAPKIN DISPENSER	REFERENCE SPECIFICATIONS	O.F.C.I
9	CLOTHES HOOKS, ROBE OR COAT	REFERENCE DOOR SCHEDULE	C.F.C.I. SEE SPECS FOR MOUNTING HEIGHT



Revisions:	Date

**ROBLEY REX VAMC System**  
800 Zorn Ave.  
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317.800.6388 WWW.GUIDONDESIGN.COM  
SUSTAINABLE ARCHITECTURE + ENGINEERING

**FOR BID**

Drawing Title <b>CASEWORK ELEVATIONS</b>	Project Title <b>RENOVATE RESEARCH BUILDING 19 - T661</b>	Project Number <b>12.1004</b>	<b>OFFICE OF FACILITIES MANAGEMENT</b>
Approved: Project Director <b>Anthony C. Costanzo</b> anthony.costanzo@va.gov 502-287-4222	Location <b>ROBLEY REX VAMC</b>	Building Number <b>Bldg-19</b>	
Date <b>8/17/2012</b>	Checked By: <b>LJL</b>	Drawn By: <b>STW</b>	VA Project Number <b>603-12-601 - T661</b>
<b>AS901</b>			