

Hanover College Veterinary Teaching Center Hanover, IN

Bid Date: 04/11/2025 @ 2:00pm

ADDENDUM 04

Date of Addendum: 04/08/2025
To the Drawings and Specifications for:

Hanover College Veterinary Teaching Center Hanover, IN

This addendum modifies the original CONTRACT DOCUMENTS dated 03/07/2025. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This addendum consists of five (5) pages plus attachments.

CHANGES TO SPECIFICATIONS:

- 1. Specification 011000 SUMMARY- Add attached "SCOPE CLARIFICATION TABLE" in its entirety at the end of Specification 011000.
- 2. Specification 105613 METAL STORAGE SHELVING- Remove Specification Section 105613 in its entirety.
- 3. Specification 230549 EXPANSION AND VIBRATION: Paragraph 2.10 Add **Vibration Eliminators** to the list of acceptable isolation equipment manufacturers in paragraph 2.10.
- 4. Specification 238216 HOT WATER REHEAT COILS: Paragraph 2.2- Add **Heatcraft** to the list of acceptable coil manufacturers in paragraph 2.2.
- 5. Specification 233313 LOUVERS AND DAMPERS: Paragraph 2.08- Add **Pottorff** to the list of acceptable louver manufacturers in paragraph 2.08.
- 6. Specification 233413 LABORATORY EXHAUST FANS:
 - a. Paragraph 1.2.A- Replace paragraph 1.2.A to read as follows:



- "A. Furnish laboratory exhaust fans with size, capacity and appurtenances as herein specified (EF-1, EF-2, EF-3)."
- b. Add Paragraph 2.9 to read as follows:
 - "2.9 The basis of design fan system manufacturer is Greenheck. Equal fan systems by Strobic Air Technologies or Loren Cook may be furnished at the contractor's option. "
- 7. Specification 233510 CABINET UNIT HEATERS (ELECTRIC): Paragraph 2.06 Add **Ouellet** to the list of acceptable cabinet unit heater manufacturers in paragraph 2.06.
- 8. Specification 233616 MEDIUM VELOCITY VAV BOXES: Paragraph 2.12 Add **Krueger** to the list of acceptable VAV box manufacturers in paragraph 2.12.
- 9. Specification 332200 SANITARY SEWAGE UTILTIES: Subparagraph 2.3.A.3 Replace Subparagraph 2.3.A.3 with the following:
 - "3. Minimum effective pressure rating of 200 PSI."

CHANGES TO DRAWINGS:

Note: Revisions for this addendum on attached reissued sheets are clouded and labeled "D" in the Delta.

- Sheet G-001 SHEET INDEX & EXTERIOR PERSPECTIVE DRAWINGS: Sheet Index- Add sheet A-640 MISC EXTERIOR DETAILS – BASE BID.
- 2. Sheets G-301, G-302, G-303, G-304, G-305, G-306, G-307, G-308, G-309 ROOM DIAGRAMS: Replace sheets G-301, G-302, G-303, G-304, G-305, G-306, G-307, G-308, G-309 in their entirety with attached sheets, G-301, G-302, G-303, G-304, G-305, G-306, G-307, G-308, G-309. Added Symbols Legend
- 3. Sheet C-301 SELECTIVE SITE DEMOLITION PLAN: Replace sheet C-301 in its entirety with attached sheet C-301. Added Plan Note 21.
- 4. Sheet C-601 SITE UTILITIES PLAN NORTH: Replace sheet C-601 in its entirety with attached sheet C-601. Revised General Notes "J" & "K". Revised Plan Notes (10), (11), & (16). Added Plan Notes (23) & (24). Added footing drains to the perimeter foundations and overflow downspout splash block. Revised downspout piping layout.



- 5. Sheet C-602 SITE UTILITIES PLAN SOUTH: Replace sheet C-602 in its entirety with attached sheet C-602. Revised General Notes "J" & "K". Revised Plan Notes (10), (11), & (16). Added Plan Notes (23) & (24). Added footing drains to the perimeter foundations. Revised downspout piping layout.
- 6. Sheet C-603 SITE UTILITIES PLAN SOUTH: Replace sheet C-603 in its entirety with attached sheet C-603. Revised Sanitary Provide SAN-01 force main pipe classification.
- 7. Sheet C-702 SITE DETAILS: Replace sheet C-702 in its entirety with attached sheet C-702. Revised Detail 6.
- 8. Sheet A-101 FLOOR DIMENSION PLAN NORTH & Sheet A-102 FLOOR DIMENSION PLAN- SOUTH:
 - a. General Note G- Revise General Note G from "G-007" to read "A-001".
 - b. General Note J- Add General note J to read as follows:
 - "J. OWNER PROVIDED FURNISHINGS/EQUIPMENT ARE LOCATED FOR REFERENCE IN THE G-300 SERIES".
- 9. Sheet A-103 FLOOR PLAN NORTH: Replace sheet A-103 in its entirety with attached. Revised Coded Note (1), Added Coded Notes (11) & (12), see floor plan. Add "General Note J" and Revise "General Note G".
- 10. Sheet A-104 FLOOR PLAN SOUTH: Replace sheet A-104 in its entirety with attached. Added Coded Notes (13), (14), (15), (16), (17), (18) & (19), see floor plan. Added "General Note J" and Revise "General Note G". Added plan reference views for dog corrals.
- 11. Sheet A-111 REFLECTED CEILING PLAN NORTH: Coded Note 7- Replace Coded Note 7 with the following:
 - "7. PROVIDE BLOCKING FOR CEILING MOUNTED PROJECTOR AND BRACKETS. COORDINATE LOCATIONS WITH OWNER & ARCHITECT IN FIELD."
- 12. Sheet A-121 ROOF PLAN: Replace Coded Note 8 to read as follows:
 - "8. PROVIDE ROOF ACCESS HATCH AND SHIPS LADDER. REFER TO DETAIL 8/A-344."
- 13. Sheet A-301, A-303, & A-304 BUILDING SECTION SHEETS: Replace sheets A-301, A-303, & A-304 in their entirety with attached sheets A-301, A-303, & A-304. Revised



- Wall Section Reference tags and Removed wall section tags referencing walls beyond section cut plane.
- 14. Sheet A-344 ROOF DETAILS: Replace sheet A-344 in its entirety with attached sheet A-344. Added notes to detail 8.
- 15. Sheet A-401 ENLARGED PLAN & INTERIOR ELEVATIONS OFFICE SUITE: Replace sheet A-401 in its entirety with attached sheet A-401. Added coded notes (2), (3), (4), (5), & "General Note J". Revise "General Note G".
- 16. Sheet A-402 ENLARGED PLANS & INTERIOR ELEVATIONS LOBBY & RECEPTION:
 - a. General Note G- Revise General note G from "G-007" to read "A-001".
 - b. General Note J- Add General note J to read:
 - "J. OWNER PROVIDED FURNISHINGS/EQUIPMENT ARE LOCATED FOR REFERENCE IN THE G-300 SERIES".
- 17. Sheet A-403 ENLARGED PLAN & INTERIOR ELEVATIONS CLASSROOM/BREAK RM; Replace sheet in its entirety with attached A-403. Revise "General Note G". Added coded notes (3), (4), (5), and "General Note J".
- 18. Sheet A-404 ENLARGED PLAN & INTERIOR ELEVATIONS GOWNING AND TOILET ROOMS: Replace sheet in its entirety with attached A-404. Added coded notes (2), (3), (4), (5), (6), (7), (8), (9) & (10), and Added General Notes.
- 19. Sheet A-405 ENLARGED PLAN & INTERIOR ELEVATIONS ANIMAL CLINIC: Replace sheet A-405in its entirety with attached sheet A-405. Added coded notes (3), (4), (5), & (6), and "General Note J". Revise "General Note G".
- 20. Sheet A-406 ENLARGED PLAN & INTERIOR ELEVATIONS KENNEL: Replace sheet A-406 in its entirety with attached sheet A-406. Revise "General Note G". Remove Detail 4 & 5 in their entirety. Added "General Note J" & Coded Notes (2), (3), & (4).
- 21. Sheet A-407 ENLARGED PLANS & INTERIOR ELEVATIONS KENNEL: Replace sheet A-407 in its entirety with attached sheet A-407. Revise "General Note G". Added "General Note J."
- 22. Sheet A-408 ENLARGED PLAN & INTERIOR ELEVATIONS CLINICAL SKILLS: Replace sheet A-408 in its entirety with attached sheet A-408. Revised details 4 & 5. Added General Notes and Coded Notes and associate tags to the plans.



- 23. Sheet A-640 MISC EXTERIOR DETAILS BASE BID: Add sheet A-640 in its entirety with attached sheet A-640.
- Sheet A-601 DOOR & FRAME SCHEDULE & TYPES: Door Schedule Door 177B
 - a. Revise Width from "2-10"" to read "3'-0"".
 - b. Revise Type from "TC to read "FL".
 - c. Material from "Plastic"
- 25. Sheet A-702 BID ALT: Replace sheet A-702 in its entirety with attached sheet A-702. Added elevations 2 & 3.
- 26. Sheet Q-401 LABORATORY PLANS & INTERIOR ELEVATIONS ANIMAL CLINIC: Replace sheet Q-401 in its entirety with attached sheet A-401. Revise "General Note G". Added "General Note J" & Coded Note (7).
- 27. Sheet Q-402 LABORATORY PLANS & INTERIOR ELEVATIONS ANIMAL CLINIC: Replace sheet Q-402 in its entirety with attached sheet Q-402. Revise "General Note G". Add "General Note J" & Coded Note (7), (8) & (9).
- 28. Sheet Q-403 LABORATORY PLANS & INTERIOR ELEVATIONS BIOLOGY LAB: Replace sheet Q-403 in its entirety with attached sheet Q-403. Revise "General Note G". Add "General Note J" &coded notes (10), (11), (12), (13), (14), (15), & (16).
- 29. Sheet E-500 ELECTRICAL SCHEDULES AND DETAILS: Replace sheet E-500 in its entirety with attached sheet E-500. Added equivalent manufacturers to Light Fixture Schedule.

ATTACHMENTS:

Specification Sections:
SCOPE CLARIFICATION TABLE

Drawings:

General: G-301, G-302, G-303, G-304, G-305, G-306, G-307, G-308, G-309

Civil: C-301, C-601, C-602, C-603, C-702

Arch: A-103, A-104, A-301, A-303, A-304, A-344, A-401, A-403, A-404, A-405, A-406, A-

408, A-640, A-702

Laboratory: Q-401, Q-402, Q-403

Electrical: E-500

END ADDENDUM NO. 04

This Table is provided only to clarify contractual assignments for proposed work where multiple parties have responsibilities. The Contractor shall refer to the Drawings and Specifications for additional scope responsibilities that are required to construct the building and develop the site - including those traditionally assigned to general, fire protection, plumbing, HVAC, electrical and telecommunication infrastructure trades. This Table governs any conflicts with, and between, the Drawings and Specifications.

Scope Item	General Contractor	Owner	Third Party	Notes
Utility Infrastructure Clarifications				
•				
Sanitary Service:				
Schedule Coordination	•			
Utility Provider's Approval To Tap & Associated Costs		•		City of Madison, IN
Temporary Construction Easements & Associated Costs		•		North & South Sides of SR-56
Regulatory Approvals		•		
Sanitary Tap	•			
Directional Borings, Complete	•			
Gravity Sewer, Complete	•			
Manhole	•			
Force Main	•			
Lift Station, Complete	•			
Gravity Sewer, Complete, Lift Station to Building Drain 5-Feet Outside of Building	•			
Building Drain	•			
Site Restoration	•			
Water Service:				
Schedule Coordination	•			
Utility Provider's Approval To Tap & Associated Costs		•		City of Madison, IN
Tap Fees	•			
Temporary Construction Easements & Associated Costs		•		North & South Sides of SR-56
Regulatory Approvals		•		
Service Tap	•			
Directional Borings, Complete	•			
Water Main, Complete	•			
Meter Pit, Meter & Valves, Complete	•			
Water Main to 5-Feet Outside of Building	•			
Water Main to Beanfield, Complete	•			
Service Lateral Into Building, Complete	•			
On-Site Laterals & Fire Hydrants, Complete	•			
Site Restoration	•			
Natural Gas Service:				
Schedule Coordination	•			

Scope Item	General Contractor	Owner	Third Party	Notes
Design Coordination & Preliminary Engineering		•		
Gas Service to Meter, Complete - Including But Not Limited to Utility Provider's Final Engineering & Associated Fees, Regulatory Approvals, Site Clearing, Service Tap, Service Main, Directional Borings, Valves, Pressure Reducing Station, & Meter			•	
Temporary Construction Easements & Associated Costs		•		North & South Sides of SR-56
Service Lateral Into Building	•			
Site Restoration - North Side of SR-56			•	
Site Restoration - South Side of SR-56	•			
Electrical Power Service:				
Schedule Coordination	•			
Temporary Electric Service	•			GC to Apply for Temporary Service, Voltage & Ampacity, As Required for Construction
Design Coordination & Preliminary Engineering		•		
Electric Service to Meter, Including But Not Limited to Utility Provider's Final Engineering & Associated Fees, Regulatory Approvals, Site Clearing, Service Connection, Utility Pole(s), Overhead Primary Service, Underground Duct Bank Beneath Public Roads, & Primary Underground Cabling			•	
Primary Conduits Beneath Vehicular Service Drive Located Directly North of the Proposed Building	•			Refer to Electrical Drawings
Transformer Pad	•			
Primary Switch			•	
Transformer			•	
Secondary Service Into Building, Complete	•			
Temporary Construction Easements & Associated Costs		•		North & South Sides of SR-56
Site Restoration - North Side of SR-56			•	
Site Restoration - South Side of SR-56	•			
Emergency Power System, Complete	•			
High-Speed Internet Service:				
Schedule Coordination	•			
Off-Site Overhead Service, Complete - Including But Not Limited to Utility Provider's Final Engineering & Associated Fees,			•	
Overhead Service Cabling & Drops, & Service Pedestal Outdoor Underground Service Pathway Between Service Pedestal & Building	•			
Indoor Service Pathway Into MDF Room	•			

Scope Item	General Contractor	Owner	Third Party	Notes
Service Cabling Between Outdoor Service Pedestal & Indoor MDF Room			•	
Site Restoration - South Side of SR-56	•			
Tree Clearing Clarifications				
Large Diameter Tree Felling & Removal		•		Only Trees Felled Prior to Bidding
Large Tree Trunk & Root Removal	•			
Additional Clearing of Trees & Vegetation	•			
Outdoor Fixed Furnishings & Equipment Clarifications				
Bench Seating	•			
Bike Racks	•			
Emergency Call Stations	•			
Electric Vehicle Charging Stations	•			
Outdoor Kennels & Corrals, Including But Not Limited to Ground Pads, Fencing, Salleyports, Gate Assemblies, & Caps	•			
Radiation (X-Ray) Shielding				
Wall Shielding - As Specified	•			
Door & Frame Shielding - As Specified	•			
Glazing - As Specified	•			
Signage - As Specified	•			
Radiation Health Physicist - Design Confirmation with Procured X-Ray Equipment		•		
Fixed Equipment Clarifications				
Refer to "Q-Series Drawings" for Casework Construction in Indiv Refer to "Movable Furnishings & Equipment Clarifications" Belo				
Fixed Plastic Laminate Casework, Including But Not Limited to Base Cabinets, Kneespaces, Wall Cabinets, Tall Storage Cases, Countertops, Sinks, & Plumbing & Electrical Services.	•			
Fixed Stainless Steel Casework, Including But Not Limited to Base Cabinets, Kneespaces, Wall Cabinets, Tall Storage Cases, Benchtops, Sinks, & Plumbing & Electrical Services.	•			Including Surgery Suite & Anatomy Laboratory Suite

Scope Item	General Contractor	Owner	Third Party	Notes
Fixed Steel Laboratory Casework, Including But Not Limited to Base Cabinets, Integral Audio-Visual Cabinets, Kneespaces, Wall Cabinets, Tall Storage Cases, Benchtops, Sinks, & Plumbing & Electrical Services.	•			Including Biology Laboratory Suite
Movable Laboratory Tables Where Shown and as Scheduled on "Q" Series Drawing Sheets.	•			
Laboratory Pegboard / Drying Racks @ Laboratory Sinks	•			
Adjustable Wall-Mounted Shelving Including Skills Labs Storage Rooms, Custodial Closets, Anatomy Storage Room, & Gowning Linen Room	•			Refer to "Movable Fixtures, Furnishings & Equipment Clarifications" Below for Additional Shelving
Tall Flammable & Acid Storage Cabinets Receiving Room Where Shown on"Q" Series Drawing Sheets	•			Including Receiving Room & Fume Hood Bases
Chemical Fume Hoods, Including But Not Limited to Prewired & Preplumbed Superstructures, Base Cabinets, Chemical Storage Cabinets, Filler Strips, Benchtops, Sinks, Utility Fittings & Devices, Air Flow Controls & Monitors, Light Fixtures, & Exhaust Collars & Ducts	•			
Wall Restraints for Portable Gas Cylinders	•			
Goggle Cleaner(s)	•			
Sharps Container(s)	•			
Glove Dispenser(s)	•			
Laundry Equipment (Washer & Dryer)	•			
Wall-Mounted Markerboards & Tackboards	•			Refer to "Movable Fixture, Furnishings & Equipment Clarifications" for Additional Scope
Lockers, Complete, Including But Not Limited to Fixed Bases, Locker Units, Fixed Benches, PPE Shelving, & Hamper Stations	•			
Miscellaneous Mechanical/Electrical Clarifications				
Acid Neutralization Traps	•			
Benchtop Emergency Face & Eyewashes	•			
Emergency Deluge Showers	•			
Autoclava Evhauet Canony at Diology Dran Lah	•			
Autoclave Exhaust Canopy at Biology Prep Lab	1			

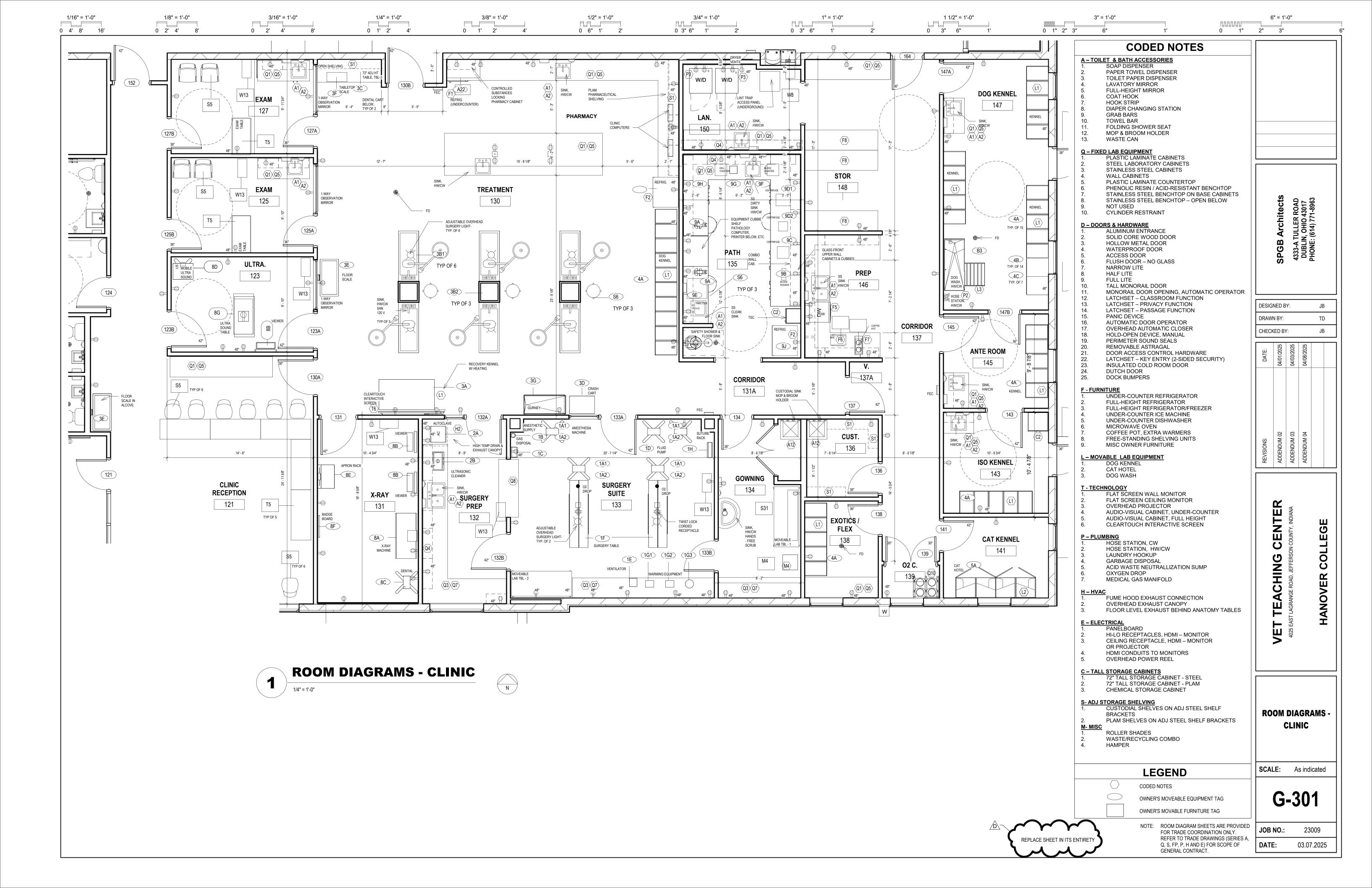
Movable Fixtures, Furnishings & Equipment Clarifications -

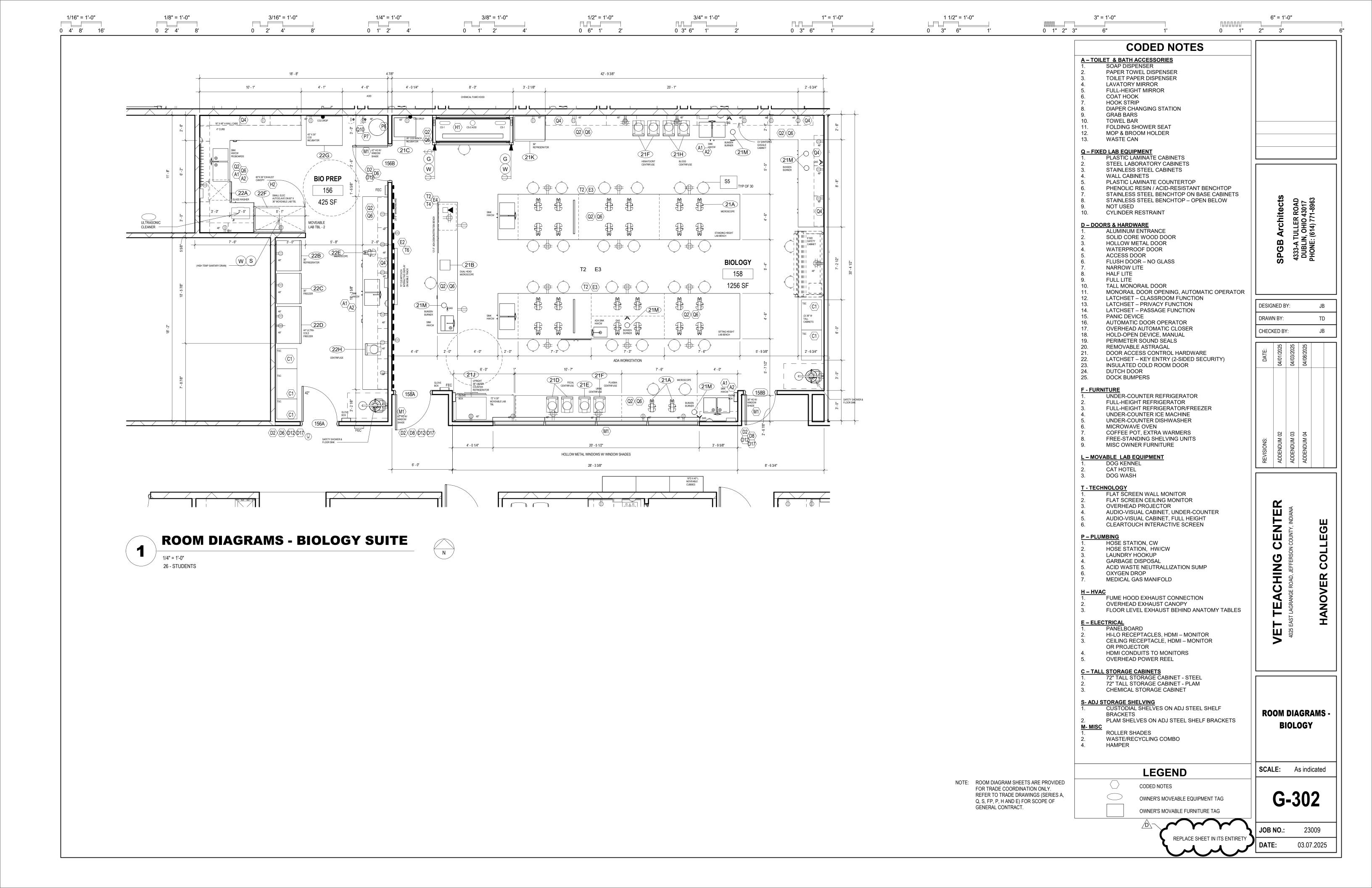
Refer to "Fixed Equipment Clarifications" Above for Related Scope

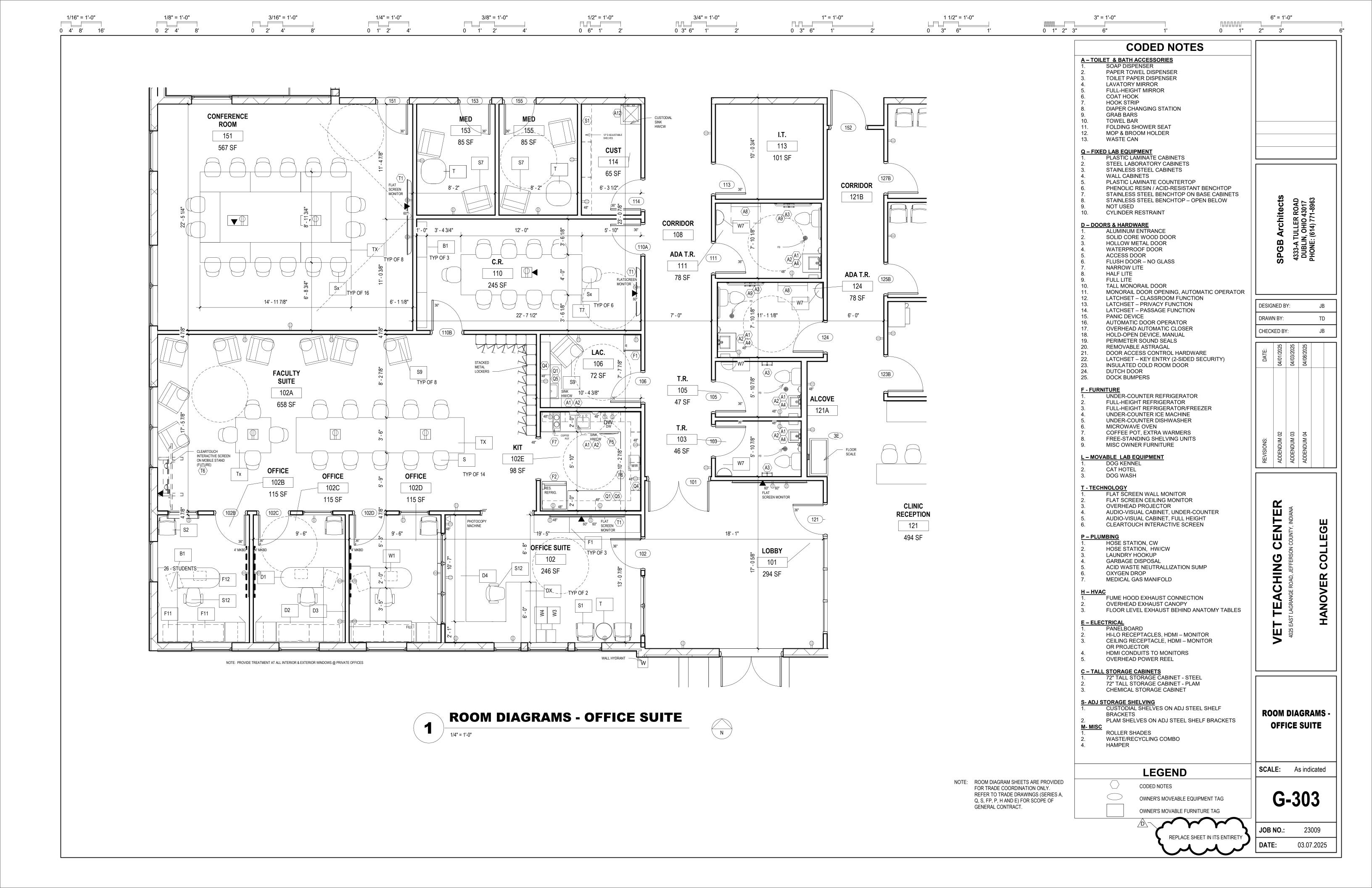
Refer to Schedules on Sheets G-202 & Room Diagrams on Sheets G-300 to G-312 for Layouts

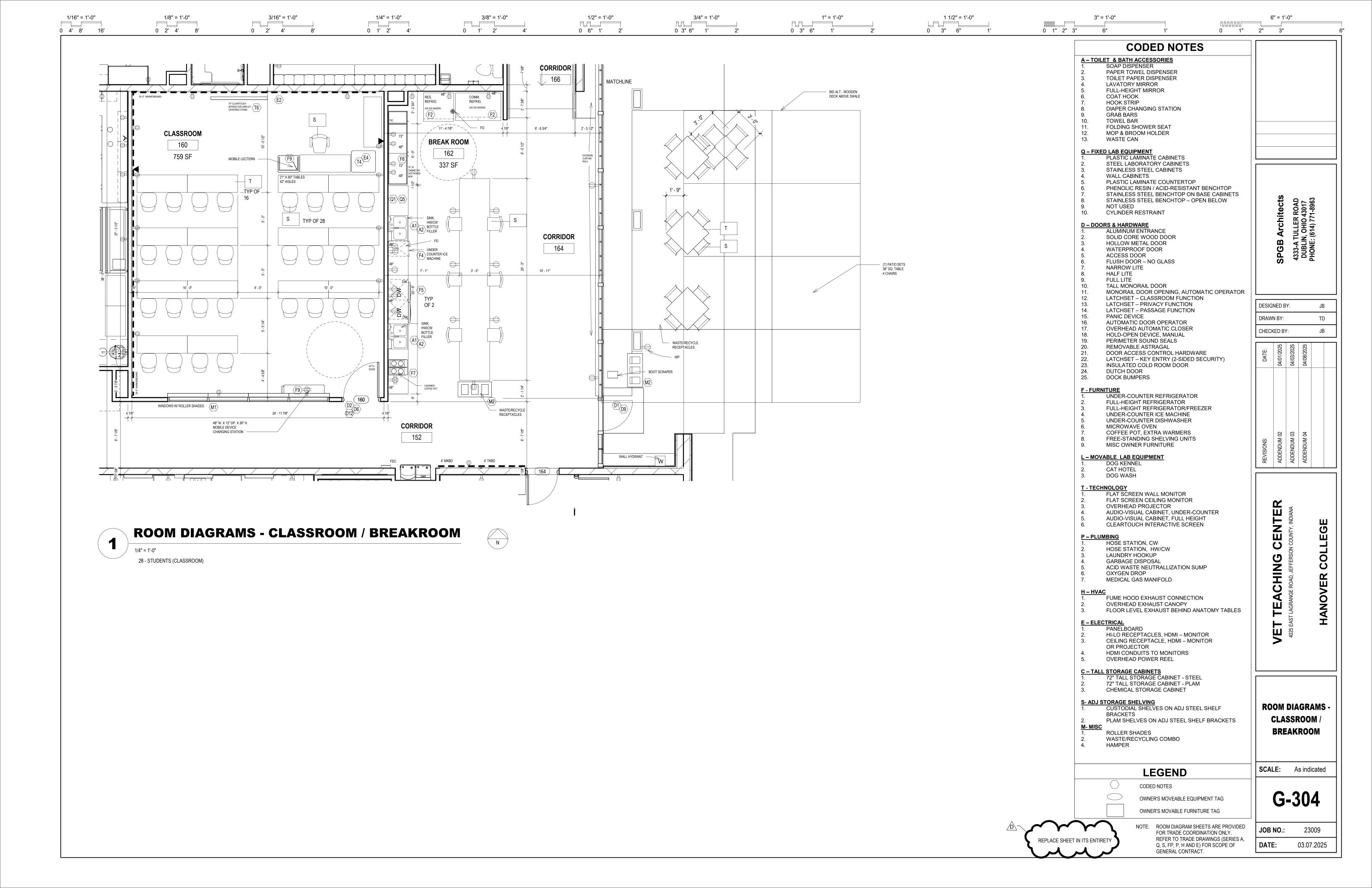
Scope Item	General Contractor	Owner	Third Party	Notes		
Movable Outdoor Furnishings Including But Not Limited to Patio & Deck Tables & Chairs, & Waste Receptacles		•		Refer to "Outdoor Fixed Furnishings & Equipment Clarifications" for Additional Scope		
Indoor Furnishings, Including But Not Limited To Seating, File Cabinets, Desking, Lamps, Monitor Arms, Lecterns, Mobile Device Charging Stations, Waste Receptacles, & Receiving Room Workbench		•		Refer to Room Diagrams for Layouts		
Movable Dressing Room Bench(s)		•				
Tackboards Above Movable Desking Where Indicated on Room Diagrams on Sheets G-300 to G-312		•				
Non-Laboratory "Academic" Tables, Including But Not Limited To				Refer to "Fixed Equipment		
Offices, Conferencing, Medication, Lactation, & Classrooms		•		Clarifications" for Lab Tables		
Scientific (non-lab) Tables, Including But Not Limited Surgery, Dissection, Anatomy, Embalming, & Exam Tables		•		Refer to "Fixed Equipment Clarifications" for Lab Tables		
Movable Lab Carts		•				
Tall Loose Furniture Storage Cabinets @ Receiving Room Not Designated as Chemical Storage		•		Refer to "Fixed Equipment Clarifications" for Tall Storage Cabinets		
Audio-Visual Equipment Cabinets @ Classroom, Anatomy Prep Lab & Skills Labs		•		Refer to "Fixed Equipment Clarifications" for Biology Cabinet		
Free-Standing Floor-Mounted Shelving Units, Including Offices, Conferencing, Walk-in Cooler & Freezer, & Clean Linen Storage Room		•		Refer to "Fixed Equipment Clarifications" for Adjustable Wall Shelvling		
Appliances, Including But Not Limited To Reach-In Refrigerators & Freezers, Dishwashers, Labware Washers, Ice-Makers, Microwave Ovens, & Coffee-Makers		•		Refer to "Fixed Equipment Clarifications" for Laundry Equipment		
3 Utility Islands & Abutting Tables at Clinic Treatment Room, Including But Not Limited to Enclosures, Interior Mechancial/Electrical Distribution, Sinks, & Plumbing Fittings & Electrical Devices		•				
Plumbing, HVAC & Electrical Services to Utility Islands at Clinic Treatment Room	•					
Movable Benchtop Scientific Equipment, Including Autoclaves		•				
Movable Benchtop Scientific Equipment, Including Autoclaves Movable Floor-Mounted Scientific Equipment, Including But Not Limited to Refrigerators, Freezers, Incubators, Formaldehyde Dispensing Station, Biosafety Cabinet, & Scales		•				

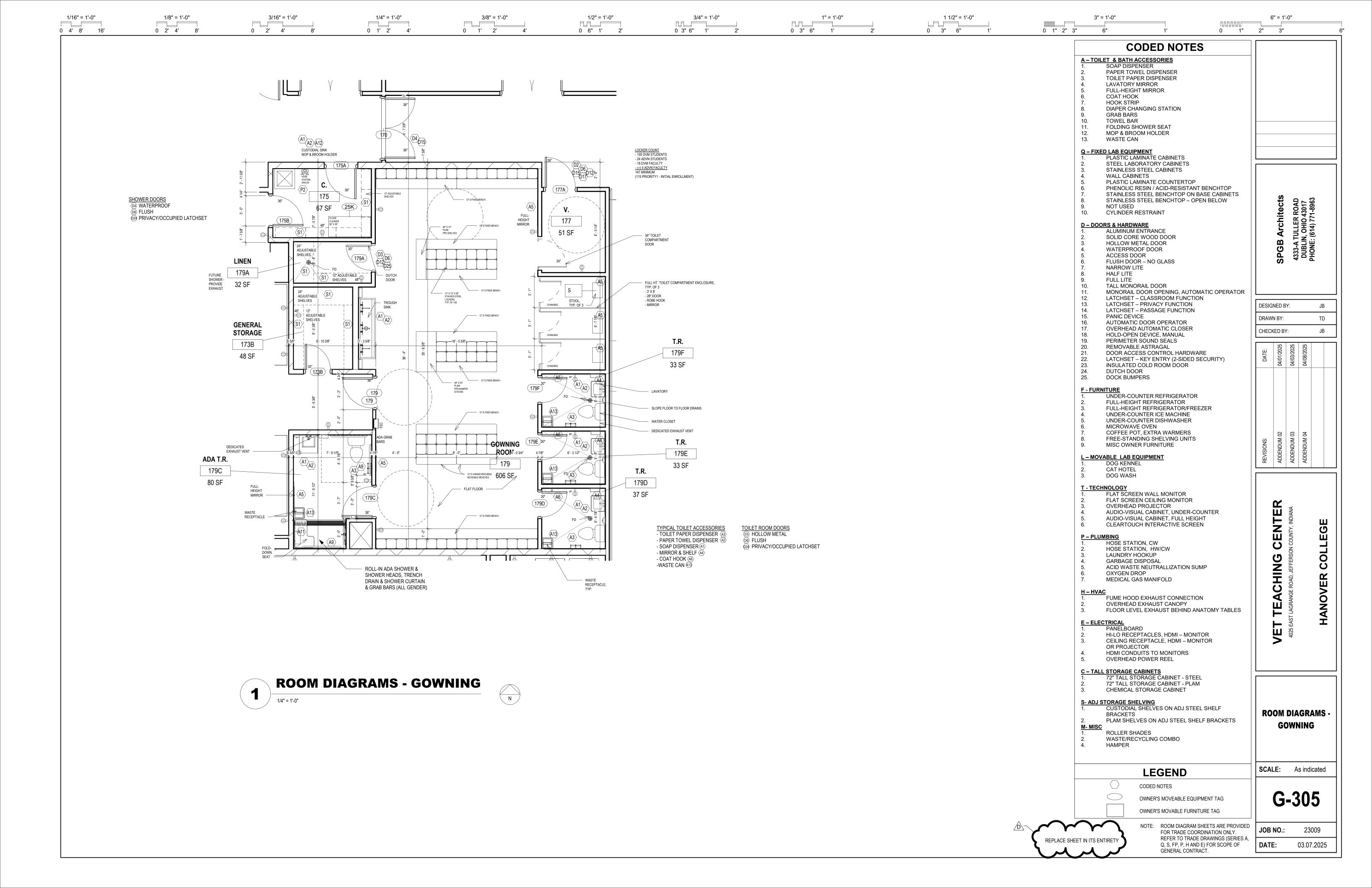
Scope Item	General Contractor	Owner	Third Party	Notes
X-Ray Equipment, Viewers, Shields, Racks, & Internal Electric Circuiting		•		
Academic Models		•		
Movable Animal Kennels (Cages)		•		
Dog Wash Station		•		
Custodial Equipment Including But Not Limited Walk-Behind Floor Cleaners, Water Hoses, Mops & Buckets, Brooms, & Consumable Supplies		•		
Audio-Visual Equipment, Including But Not Limited To Computer Workstations, Printers, Photocopy Machines, Overhead Projectors, Media Players, & Interactive Display Technology ("Cleartouch)		•		
Overhead Projector Brackets		•		
Interior Telecommunication Infrastructure Clarifications				
High-Speed Internet Service				Refer to "Utility Infrastructure" Above
Main Distribution Frame (MDF) Room, Including But Not Limited to Enclosures, Door Assemblies, Room Finishes, Air Conditioning, Electrical Power Receptacles, & Lighting & Controls	•			
Pathways - Service Entrance to MDF	•			
Interior Cable Trays Where Shown on Drawings	•			
Data Device BackBoxes & Conduits Up To Ceiling Plenums	•			
Conduit Pathways Where Shown On Drawings	•			
Data Devices, Including But Not Limited to Face Plates, Cabling to MDF, & "J" Hooks		•		
MDF Plywood Backboard(s)	•			
I.T. Rack in MDF		•		
Head-End Equipment, Including But Not Limited to Switches, Routers, Servers, & Cabling & Connections		•		
Uninterrupible Power Source (UPS)		•		

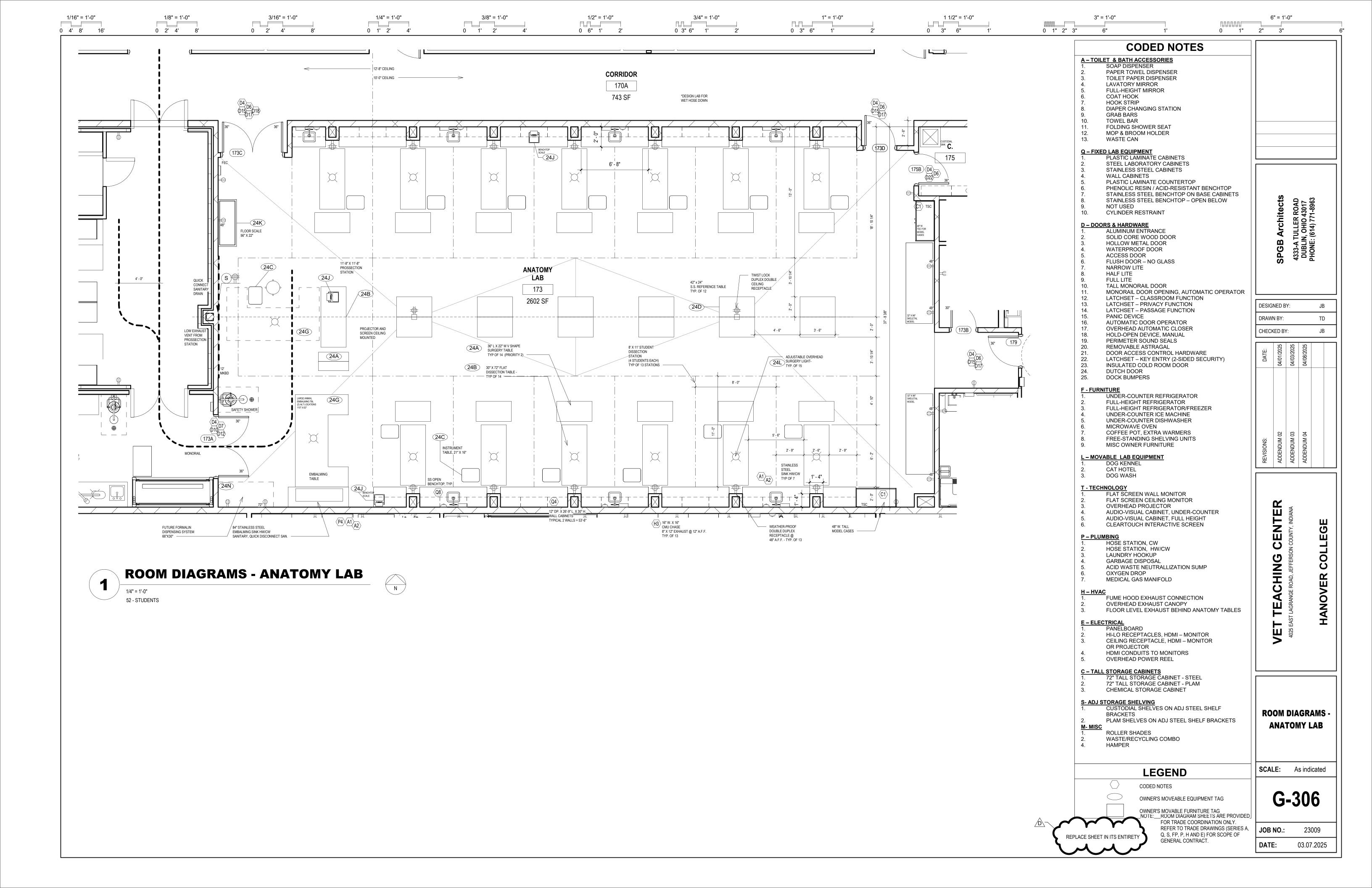


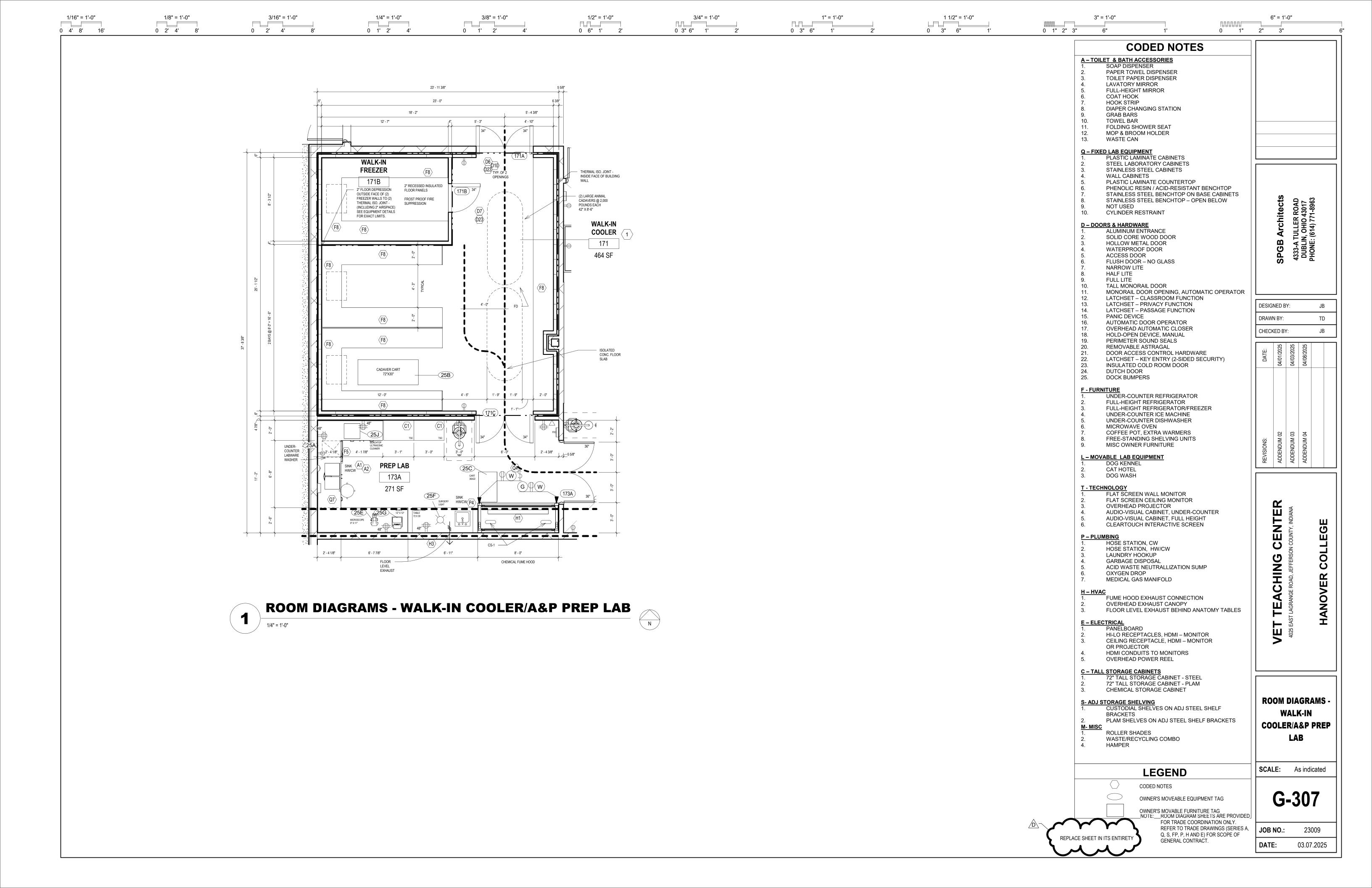


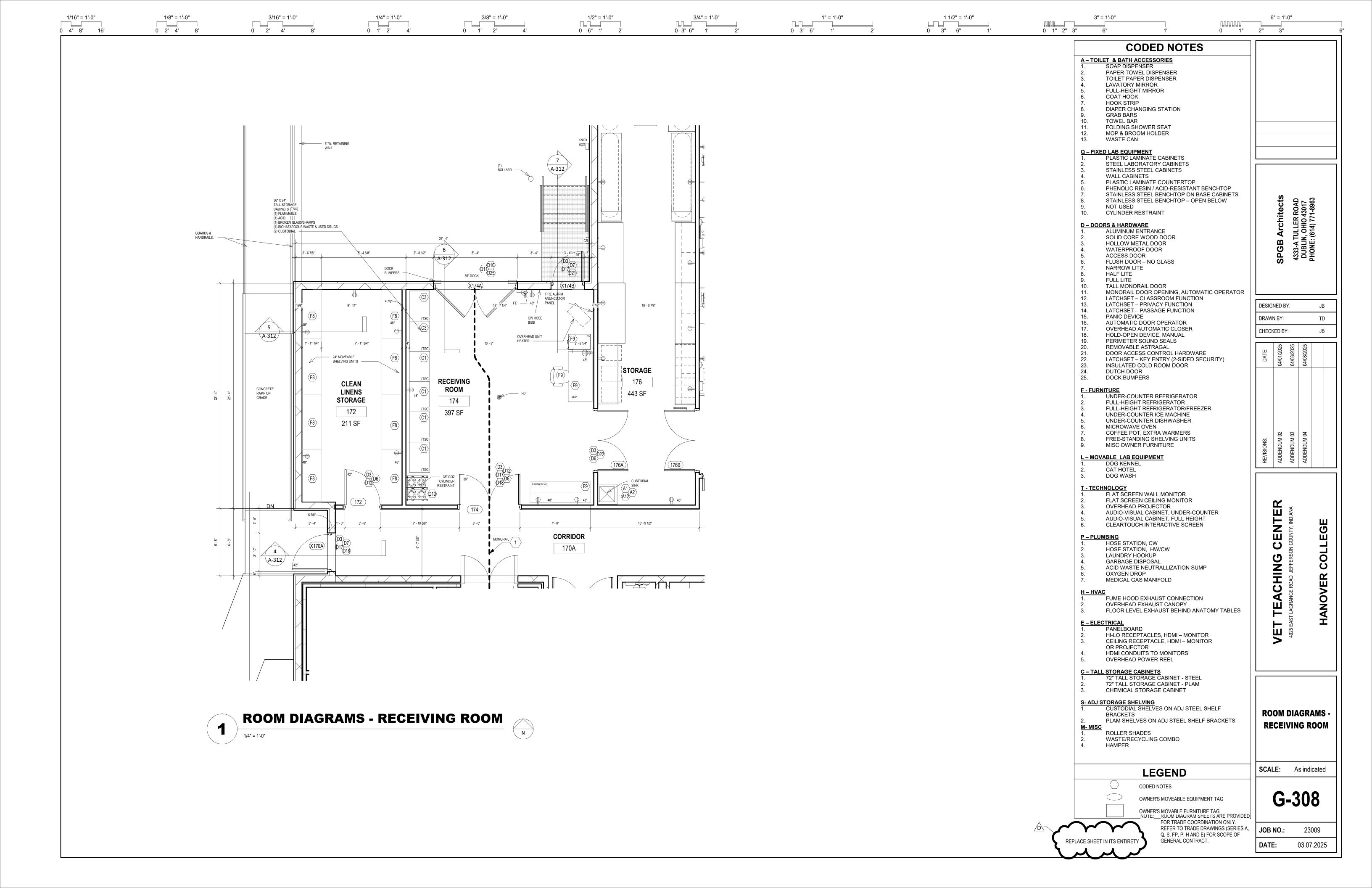


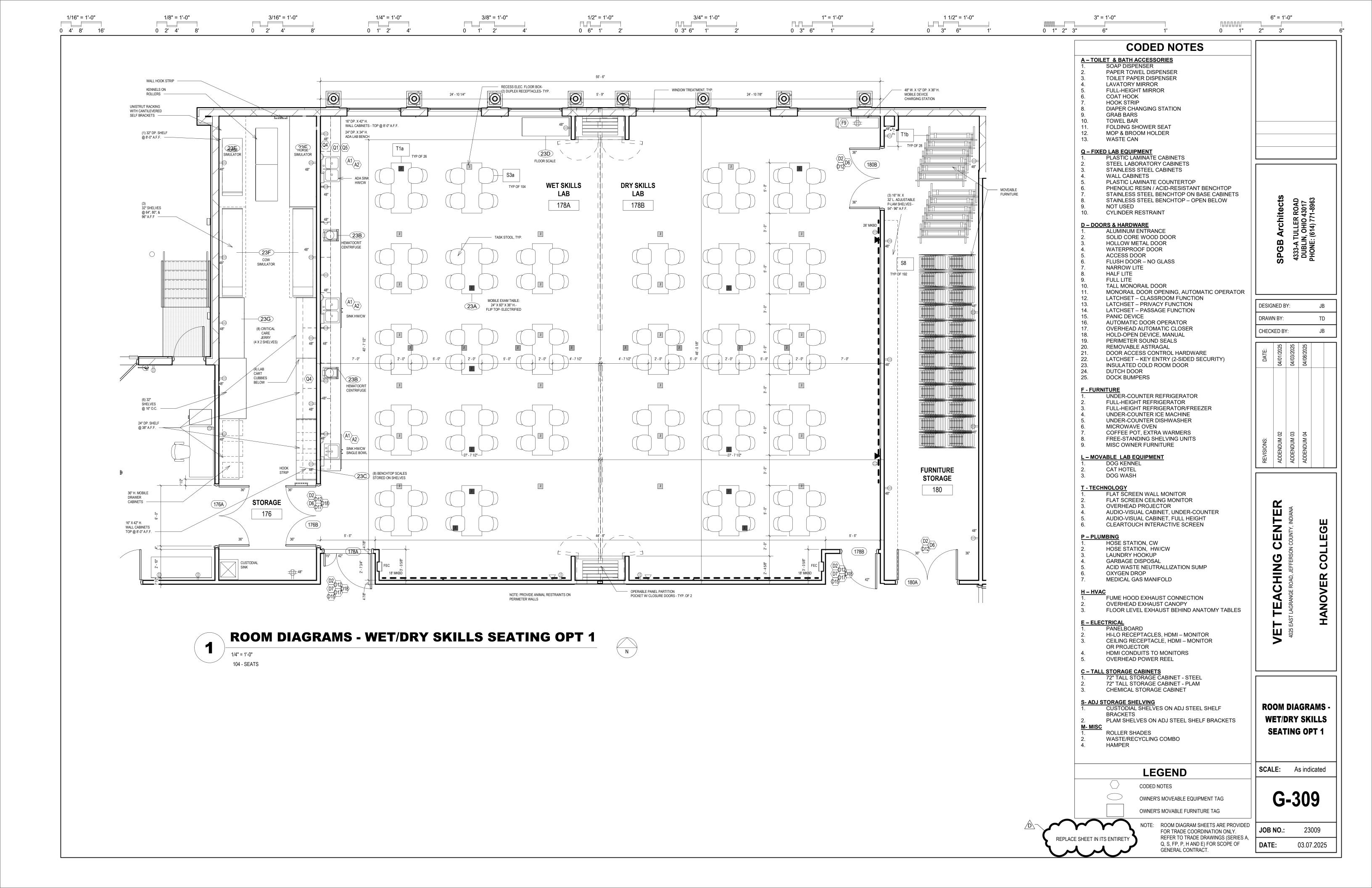


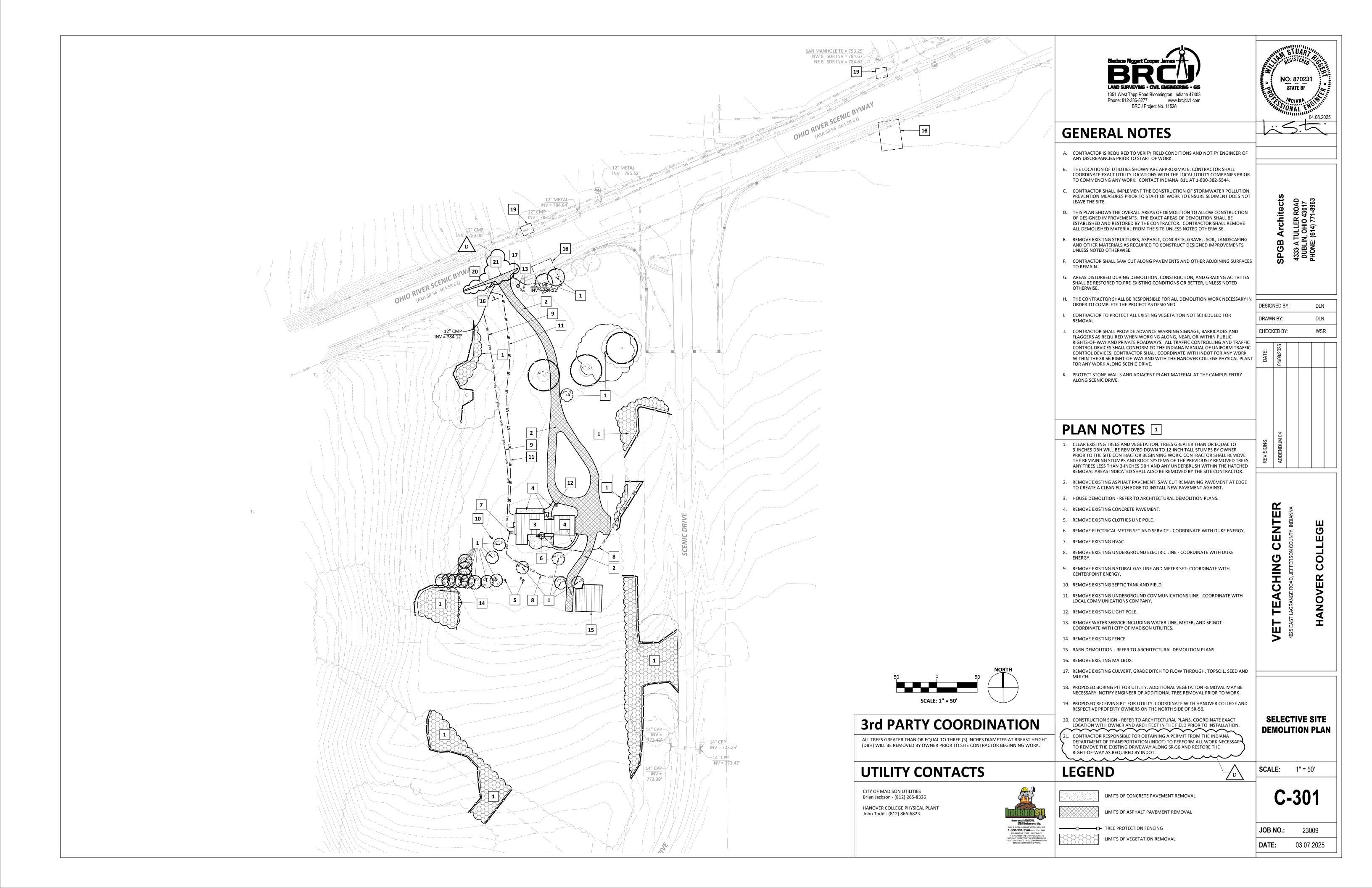


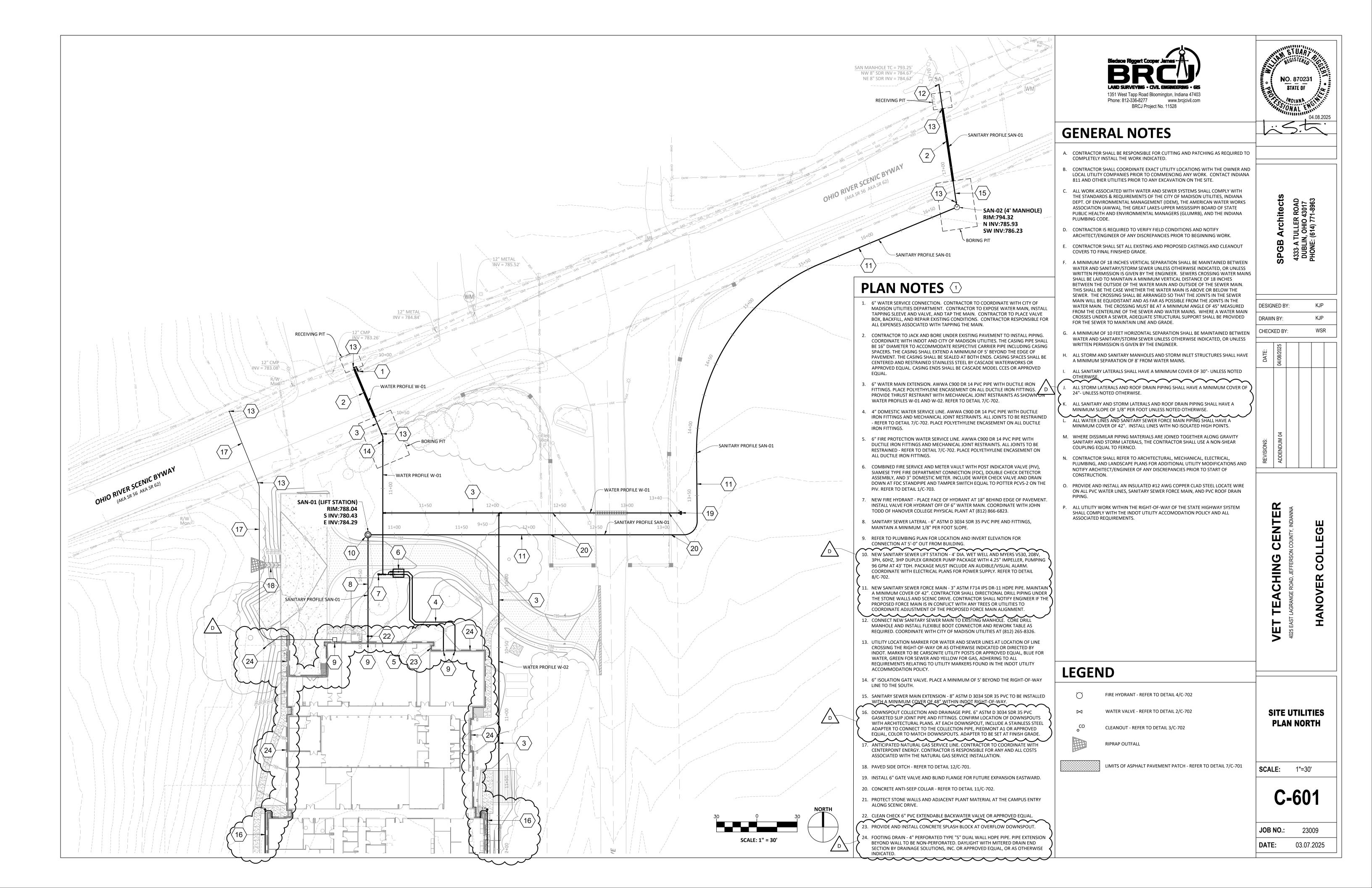


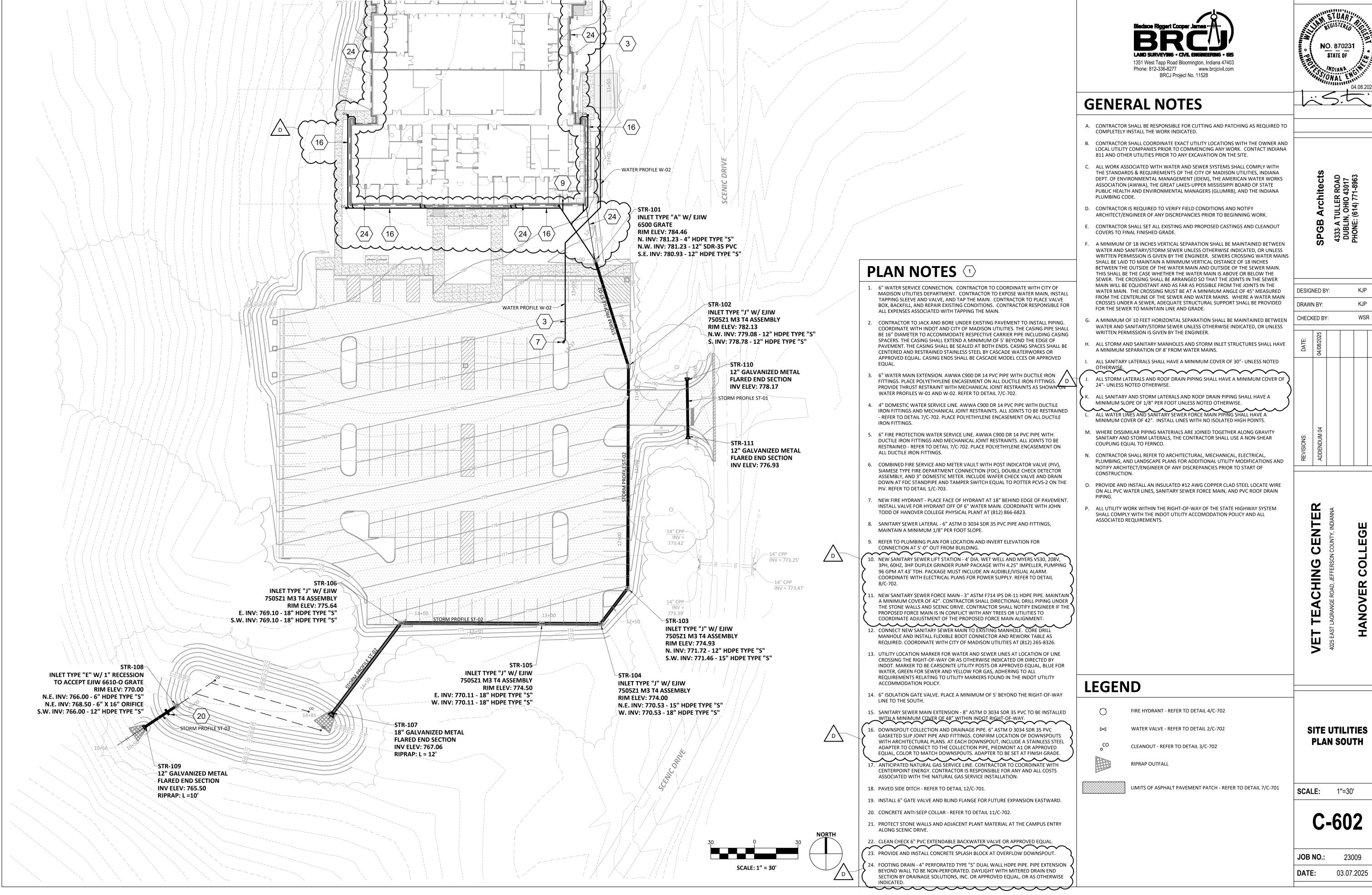












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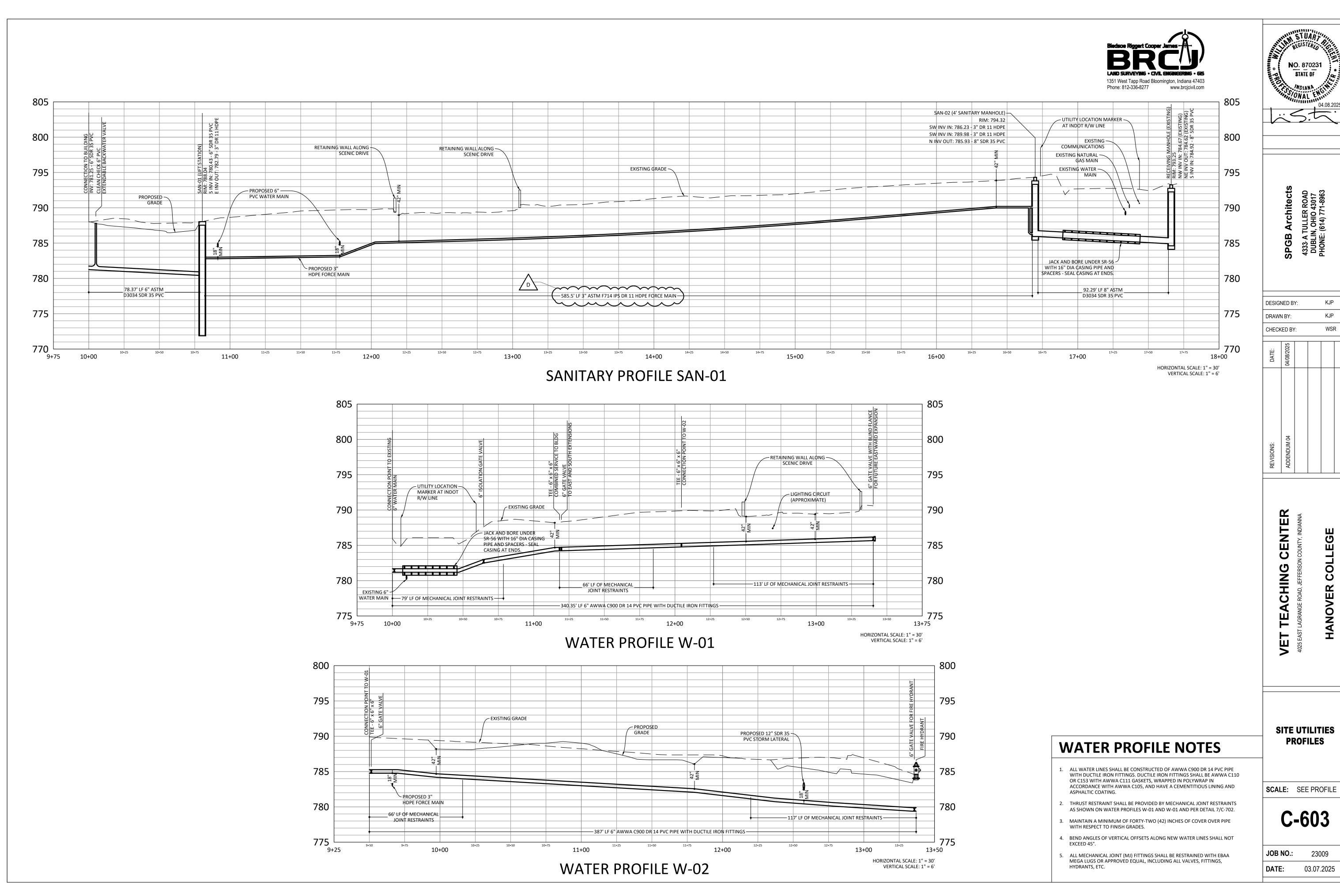
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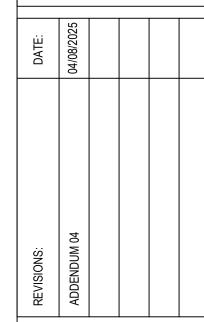
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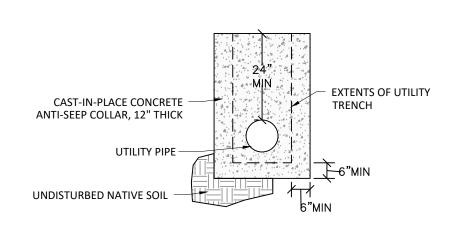




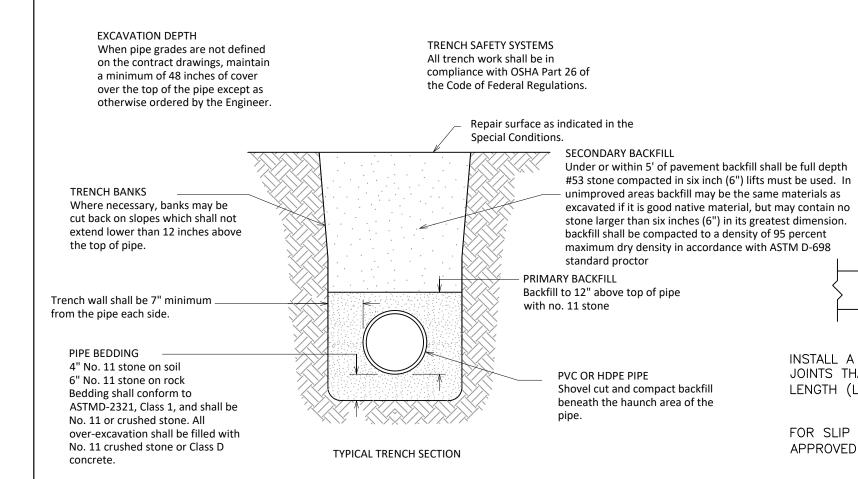
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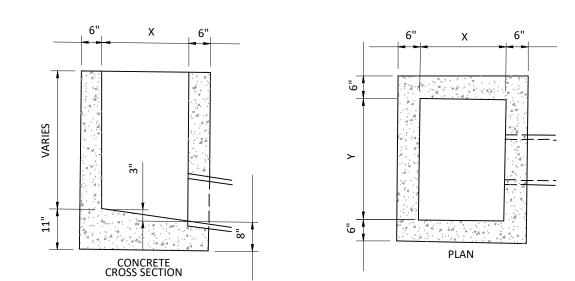




ANTI-SEEP COLLAR



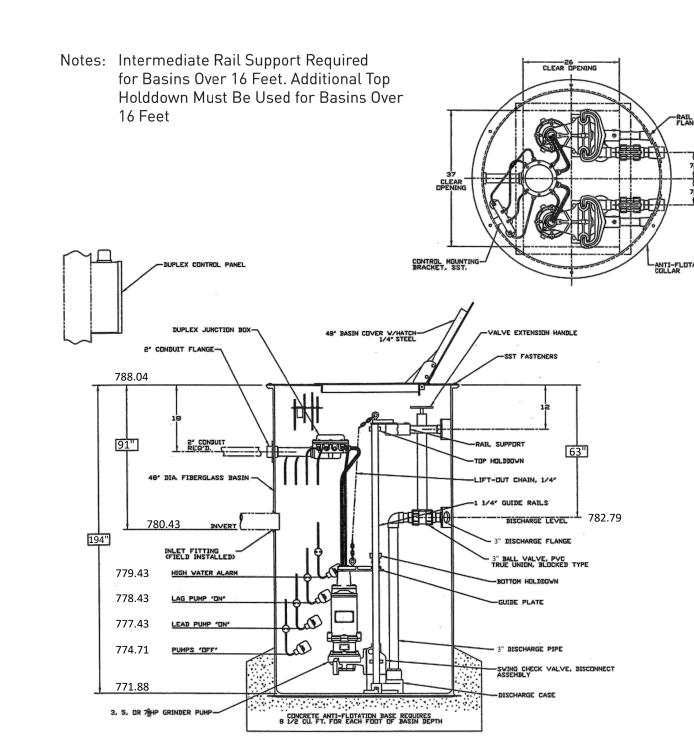
BEDDING AND BACKFILL FOR PVC AND HDPE PIPE



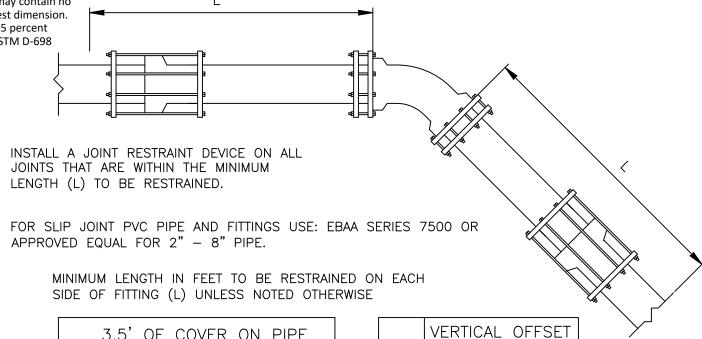
NOTE: BOX TO REST ON 4" OF COMPACTED NO. 11 STONE IF ON DIRT; 6" IF ON ROCK

			-
TYPE	x	Υ	
А	24"	24"	
В	20"	42"	
С	30"	48"	
E	30"	30"	
J	24"	36"	N.T.S.





TYPICAL LIFT STATION INSTALLATION



(UPPER/LOWER)

45

FOR 2' VERTICAL

OFFFSET.

111/4 | 221/2 |

,	3.5' OF COVER ON PIPE											
PIPE SIZE	Н	ORIZ.	BEND	S	DEAD END							
<u> S</u>	111/4	22½	45	90								
4	3	5	10	24	81							
6	4	7	14	34	113							
8	5	9	18	44	149							
10	6	11	22	52	178							
12	6	13	26	61	210							

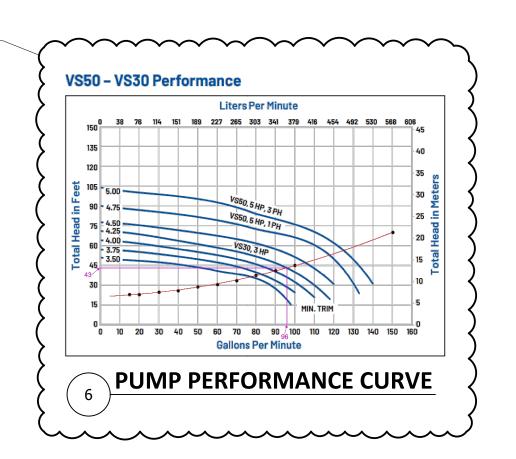
PIPE SIZE		E-BR/ (RUN	ANCH LENGT	LENGT H=5')	Н	PIPE SIZE	LENG ⁻	REDUC		R SIDE
BRANCH RUN	4	6	8	10	12	TO FROM	4	6	8	10
6	6	66	112	144	186	6	59	ı	1	1
8	1	50	100	140	178	8	107	63		1
10	1	33	87	129	170	10	145	126	60	ı
12	1	16	75	119	161	12	183	153	112	62

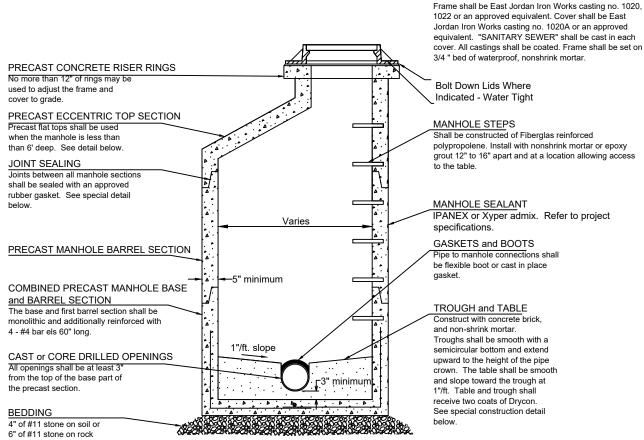
CHART REFLECTS THE FOLLOWING TYPICAL PARAMETERS: -ML SOIL CLASSIFICATION -TRENCH TYPE 5 (AWWA)

-DEPTH OF COVER 3.5' MINIMUM -C900 PVC PIPE

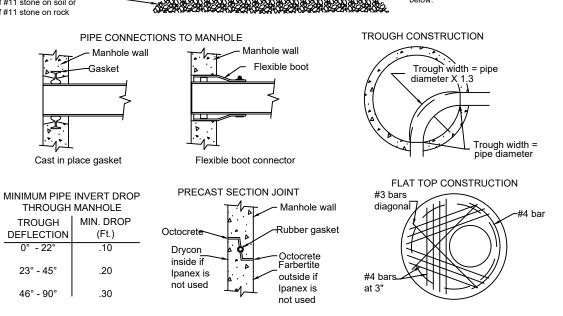
-PIPE BEDDED IN GRANULAR FILL -BACKFILL COMPACTED GRANULAR OR SELECT MATERIAL -TEST PRESSURE OF 200 PSI WITH 2:1 SAFETY FACTOR

MECHANICAL JOINT RESTRAINT DETAIL (C900 PVC)

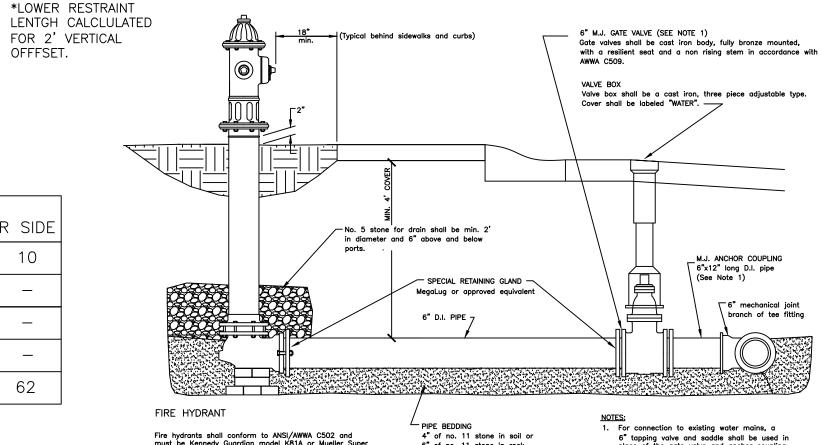




MANHOLE FRAME AND COVER



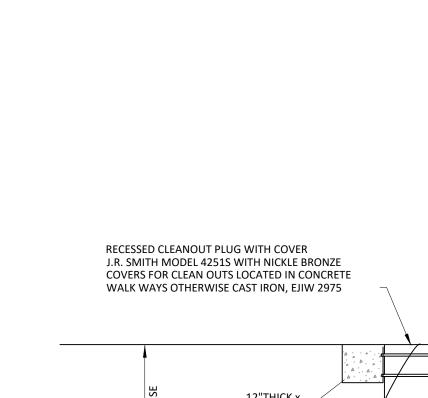
STANDARD SANITARY MANHOLE

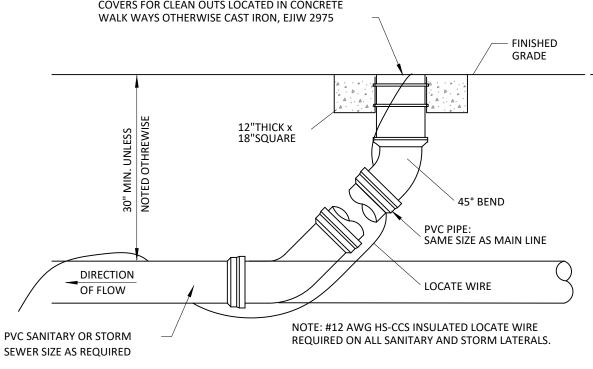


Fire hydrants shall conform to ANSI/AWWA C502 and must be Kennedy Guardian model K81A or Mueller Super Centurion 200 (catalog no. A-423). These are dry-barrel type fire hydrants with a 5" main valve opening, two hose nozzles and one pumper nozzle. Hydrants shall have a mechanical joint type connection and shall be painted according to the fire department. No. 11 stone from bedding to 12" above top of pipe Compacted No. 53 stone beneath and within 5' of pavement or clean native soil in other areas.

Install fire hydrant at a minimum of 2' from structures or obstructions and set they hydrant bury line 2" above finished grade. The pumper nozzle must face the street.

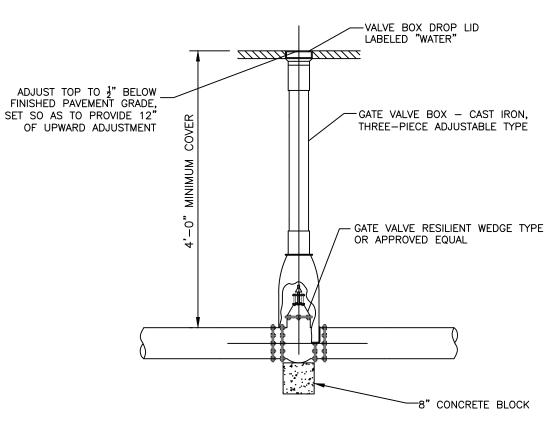




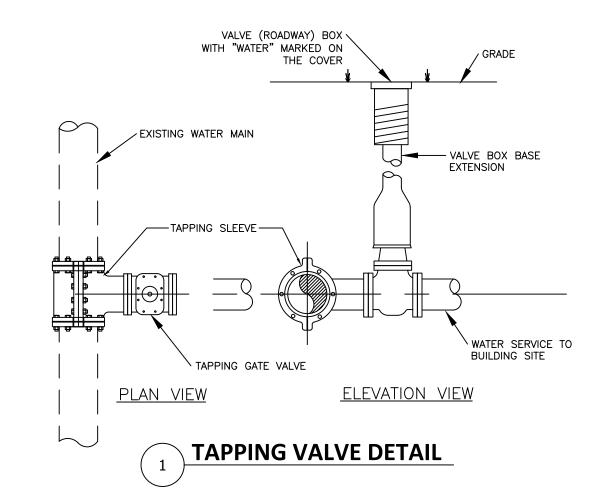


RECESSED CLEANOUT

TYPICAL YARD CLEANOUT



VALVE AND VALVE BOX DETAIL



STATE OF

DESIGNED BY: DLN DRAWN BY: DLN WSR CHECKED BY:

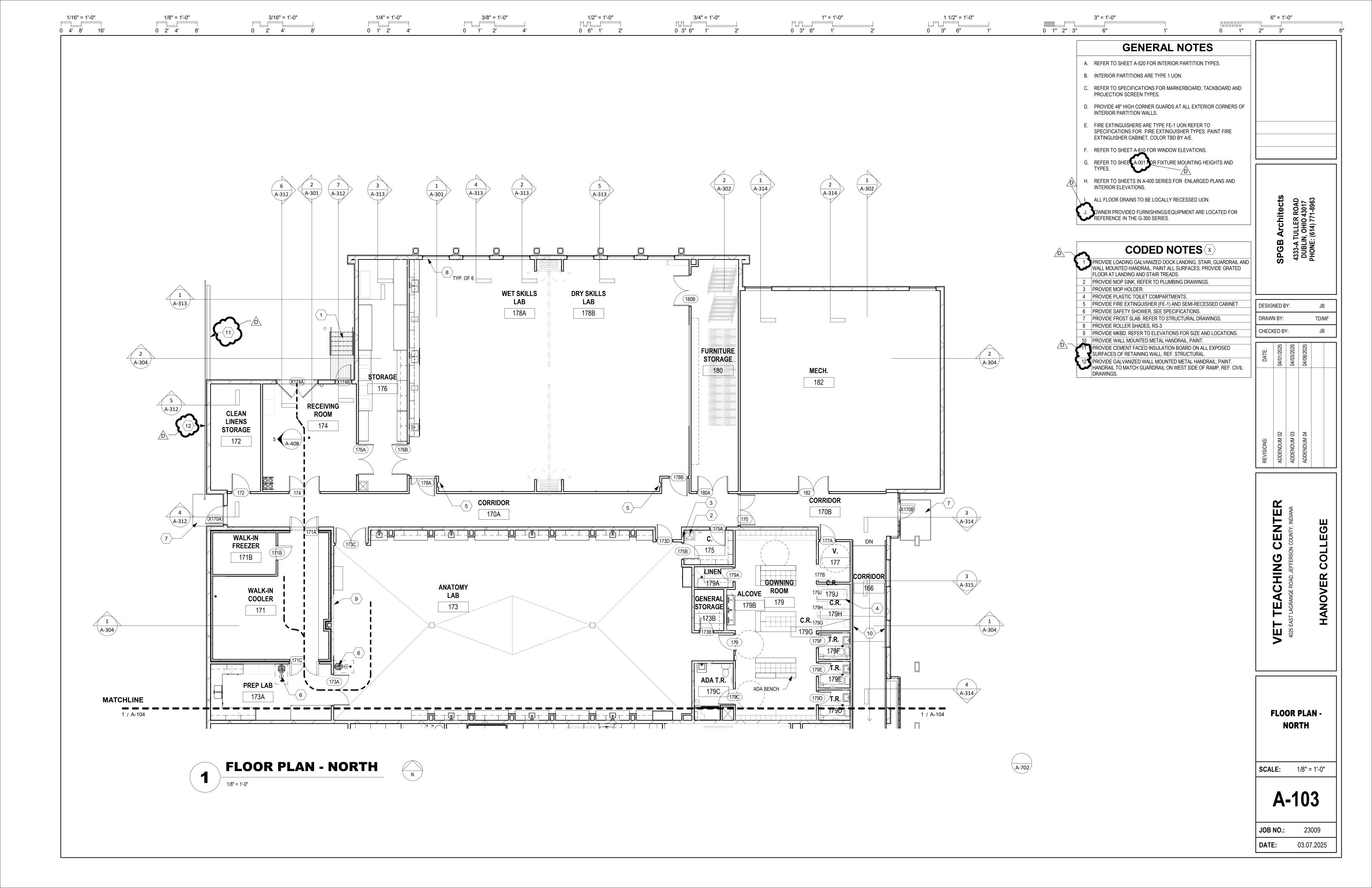
> EA CEN COLLEC TEACHING HANOVER VET

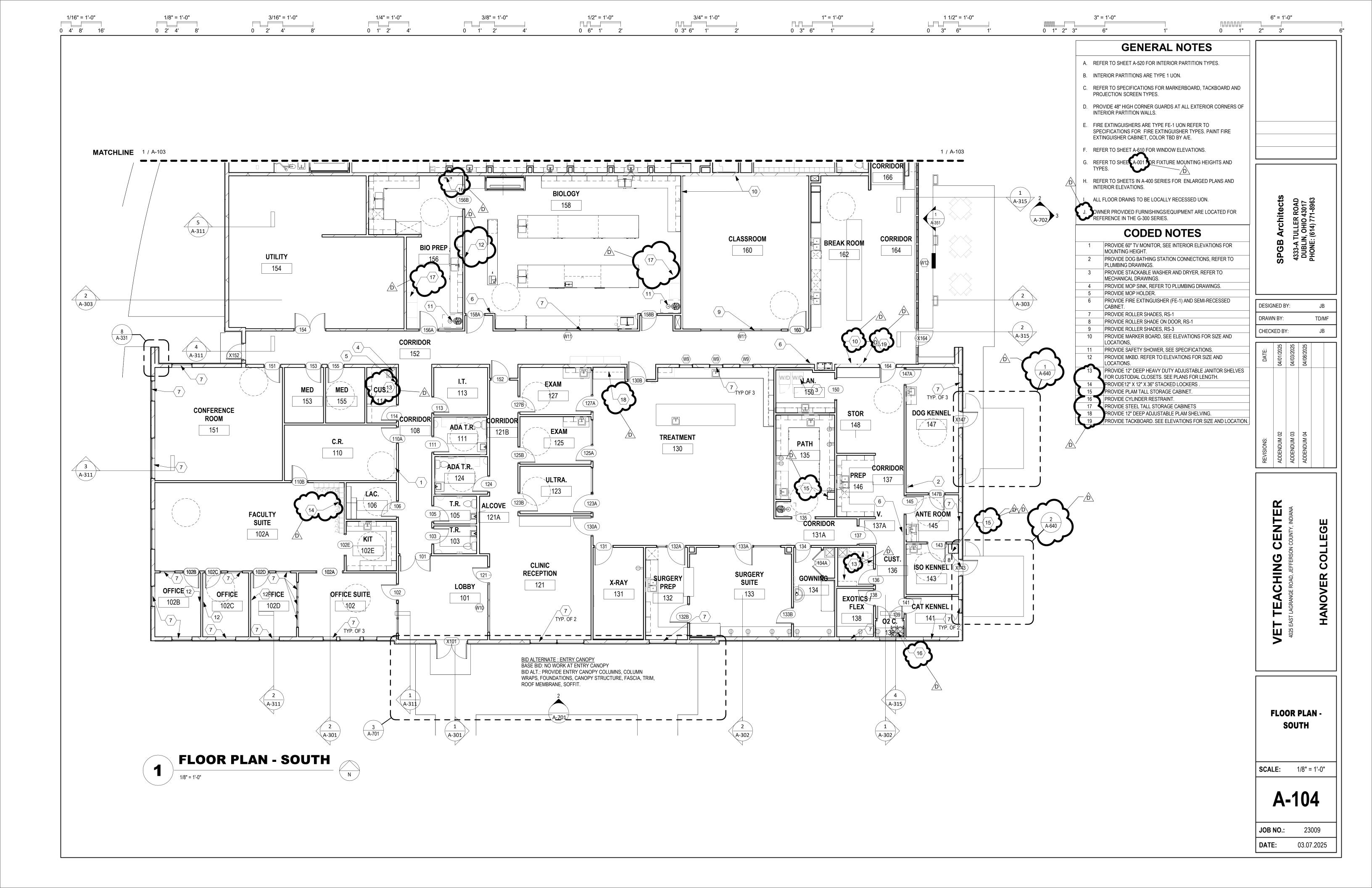
SITE DETAILS

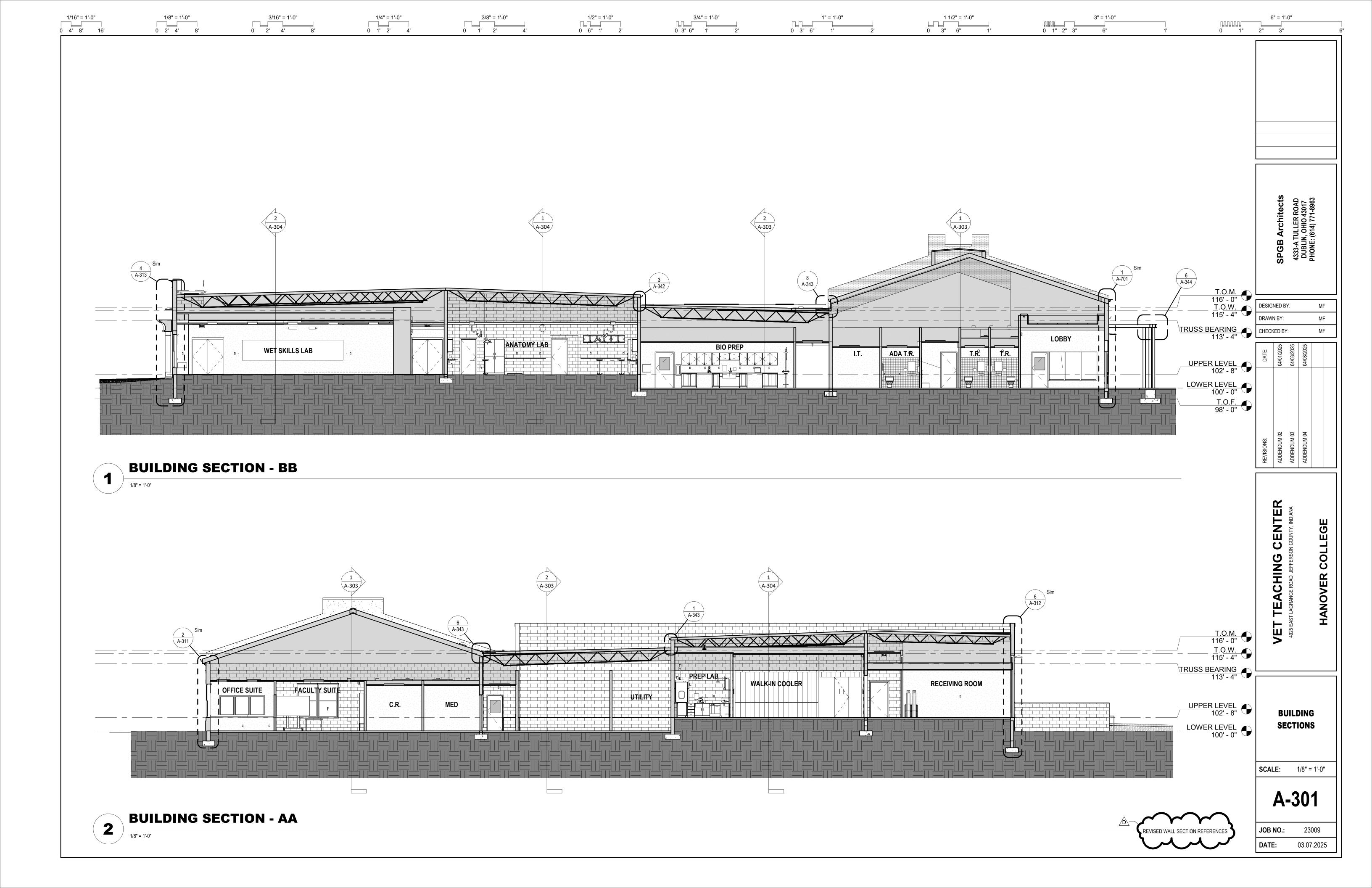
C-702

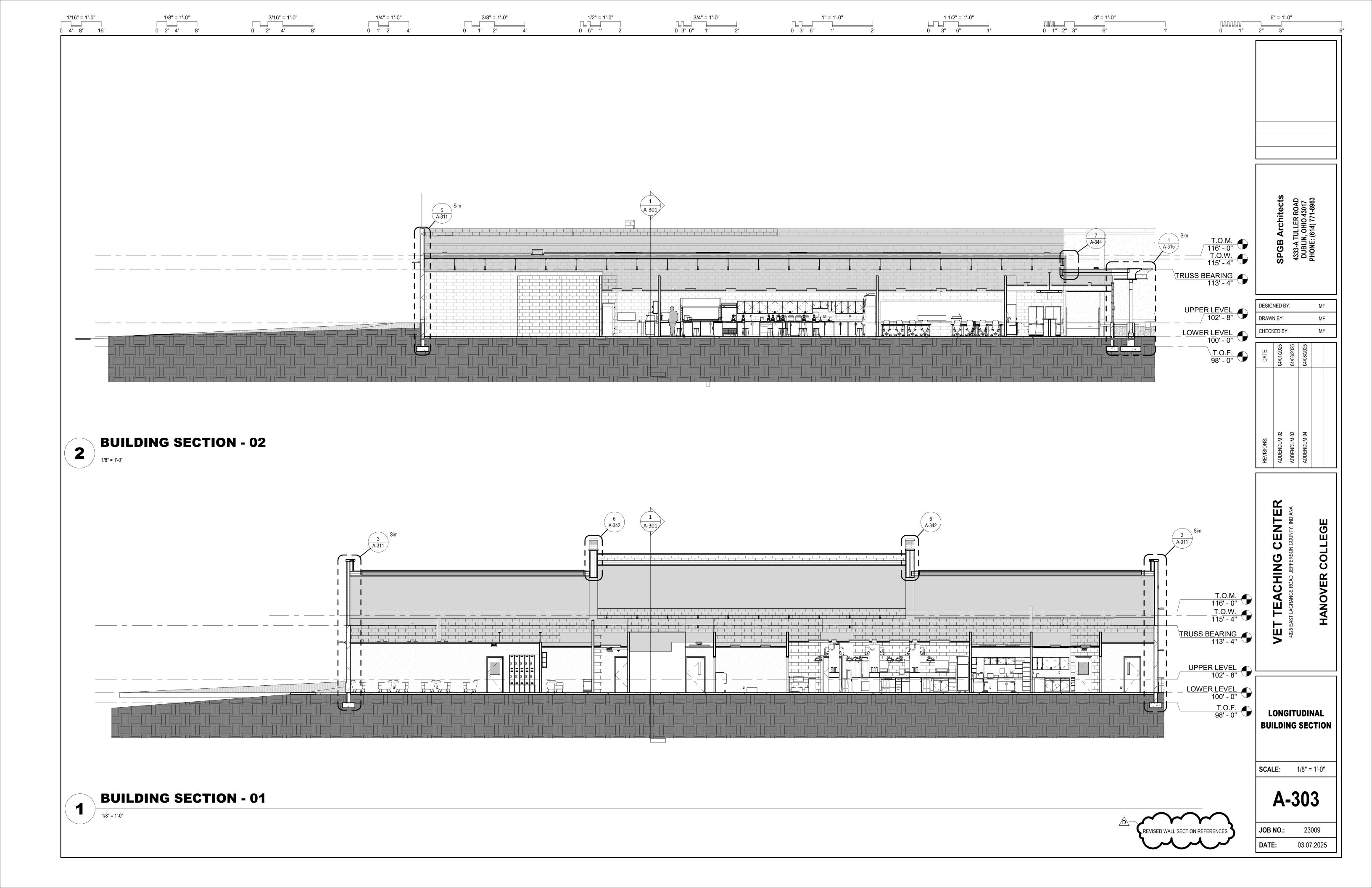
SCALE: NOT TO SCALE

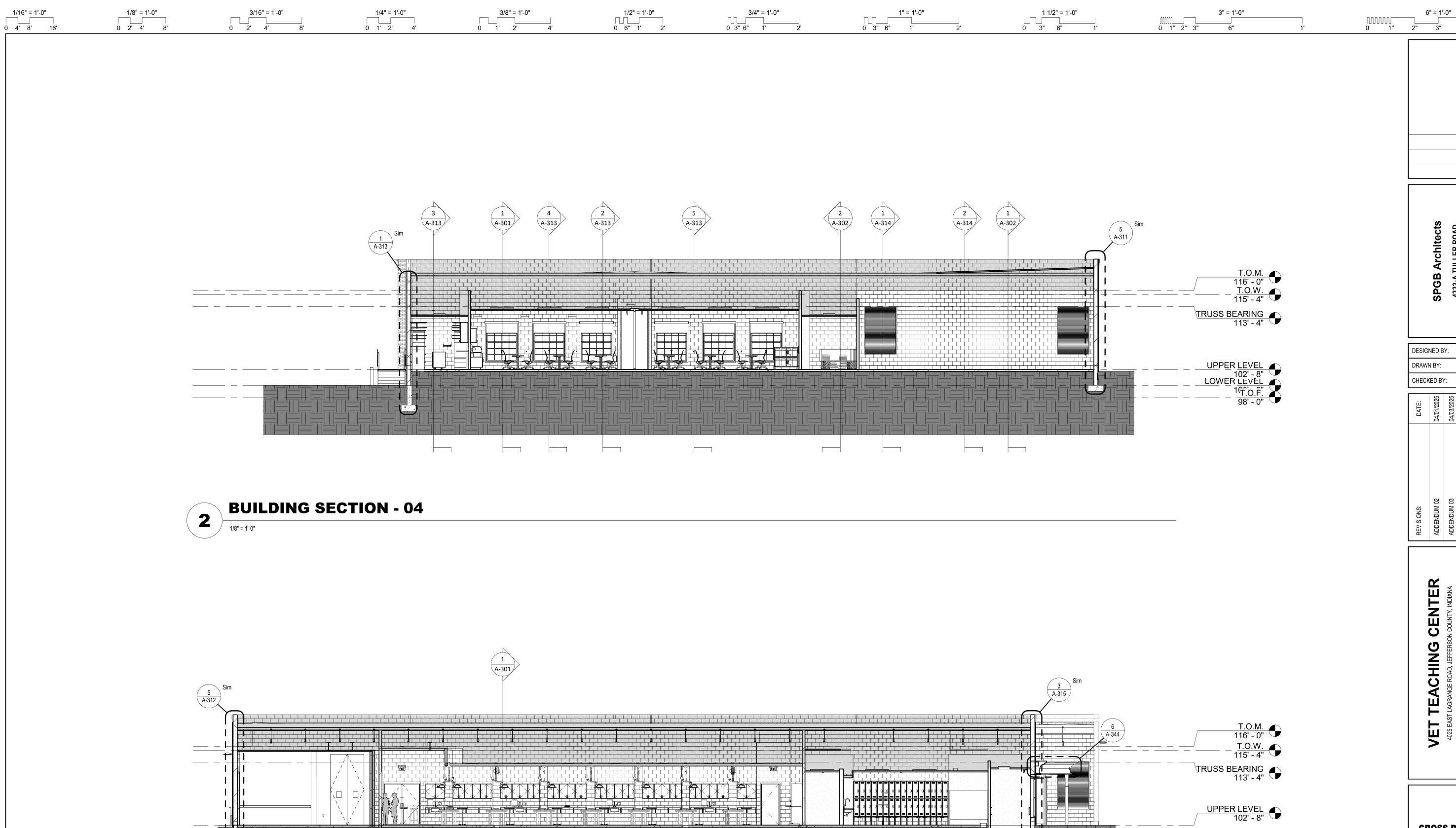
JOB NO.: 23009 DATE: 03.07.2025











BUILDING SECTION - 03

LOWER LEVEL 100' - 0"

T.O.F. 98' - 0"

CROSS BUILDING SECTIONS

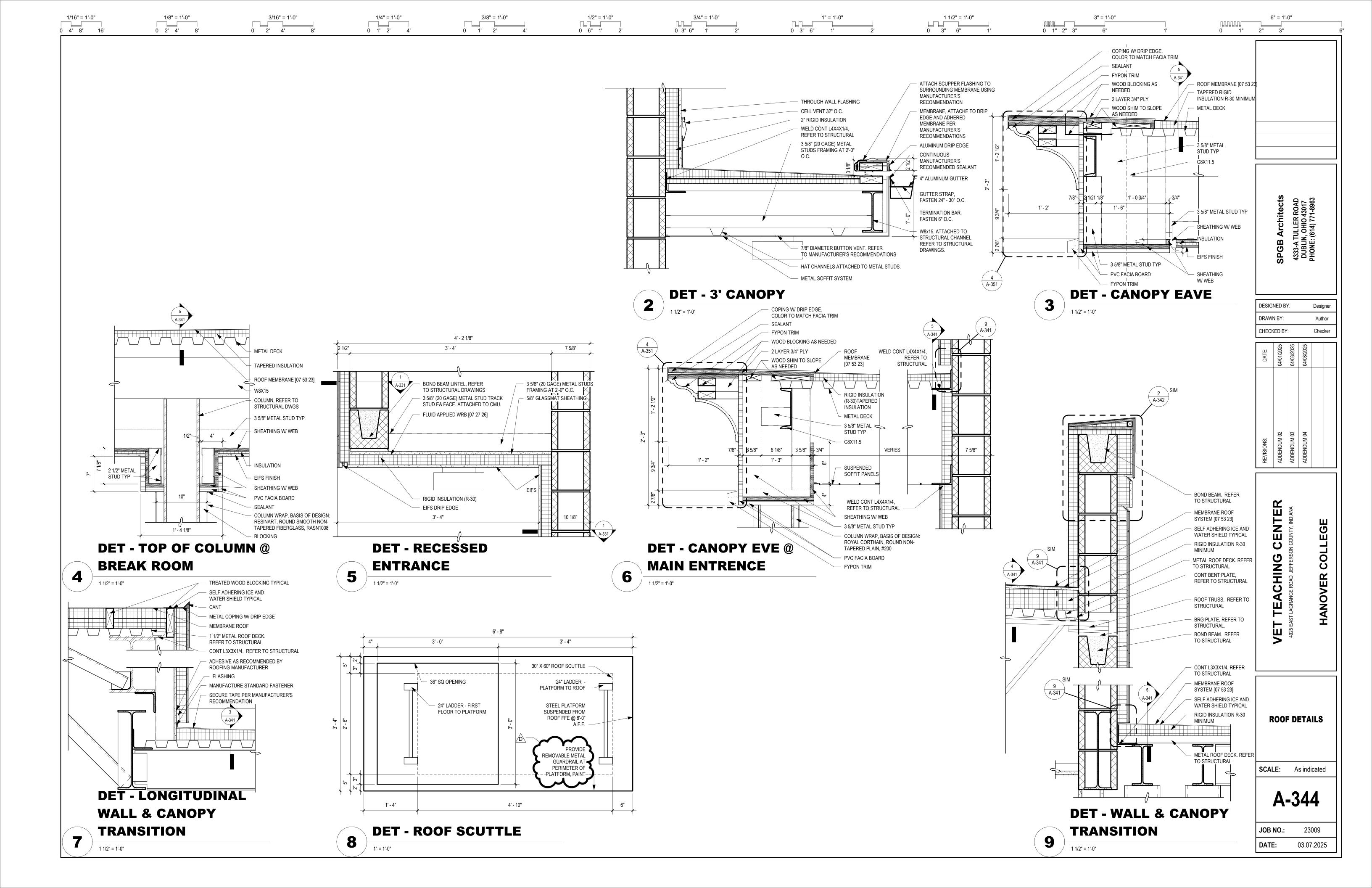
VET TEACHING CENTER
4025 EAST LAGRANGE ROAD, JEFFERSON COUNTY, INDIANA

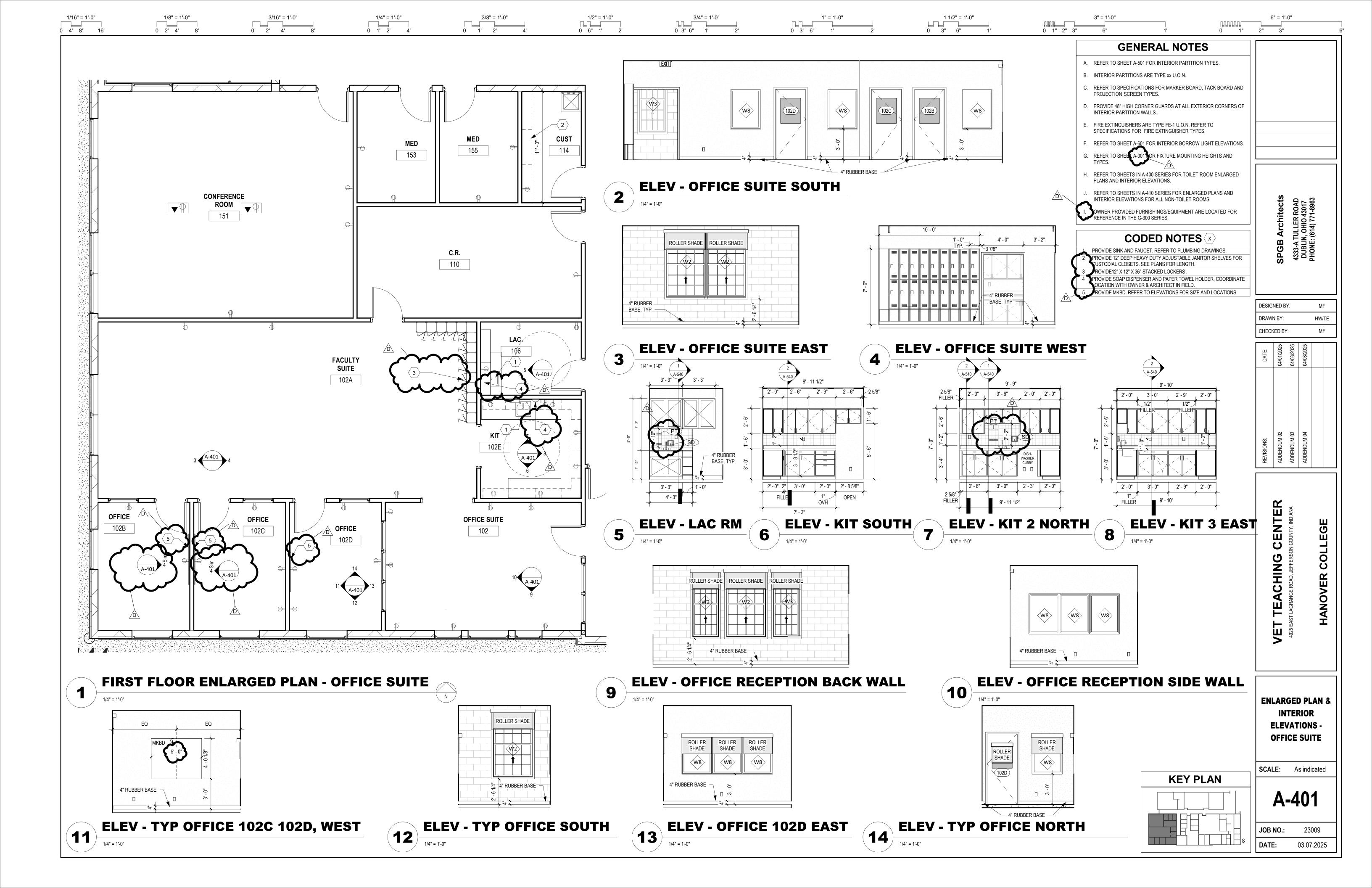
HANOVER COLLEGE

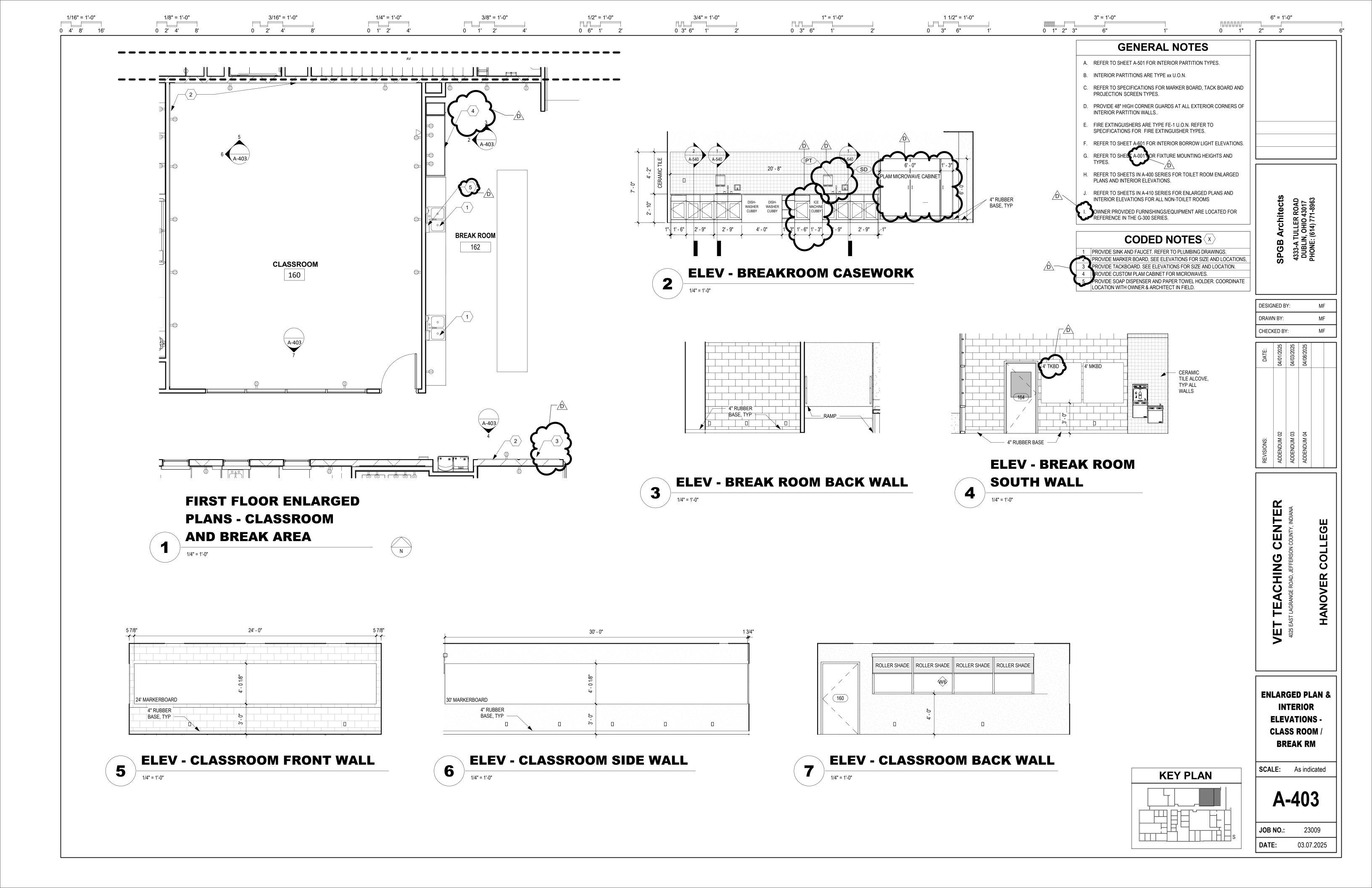
SCALE: 1/8" = 1'-0"

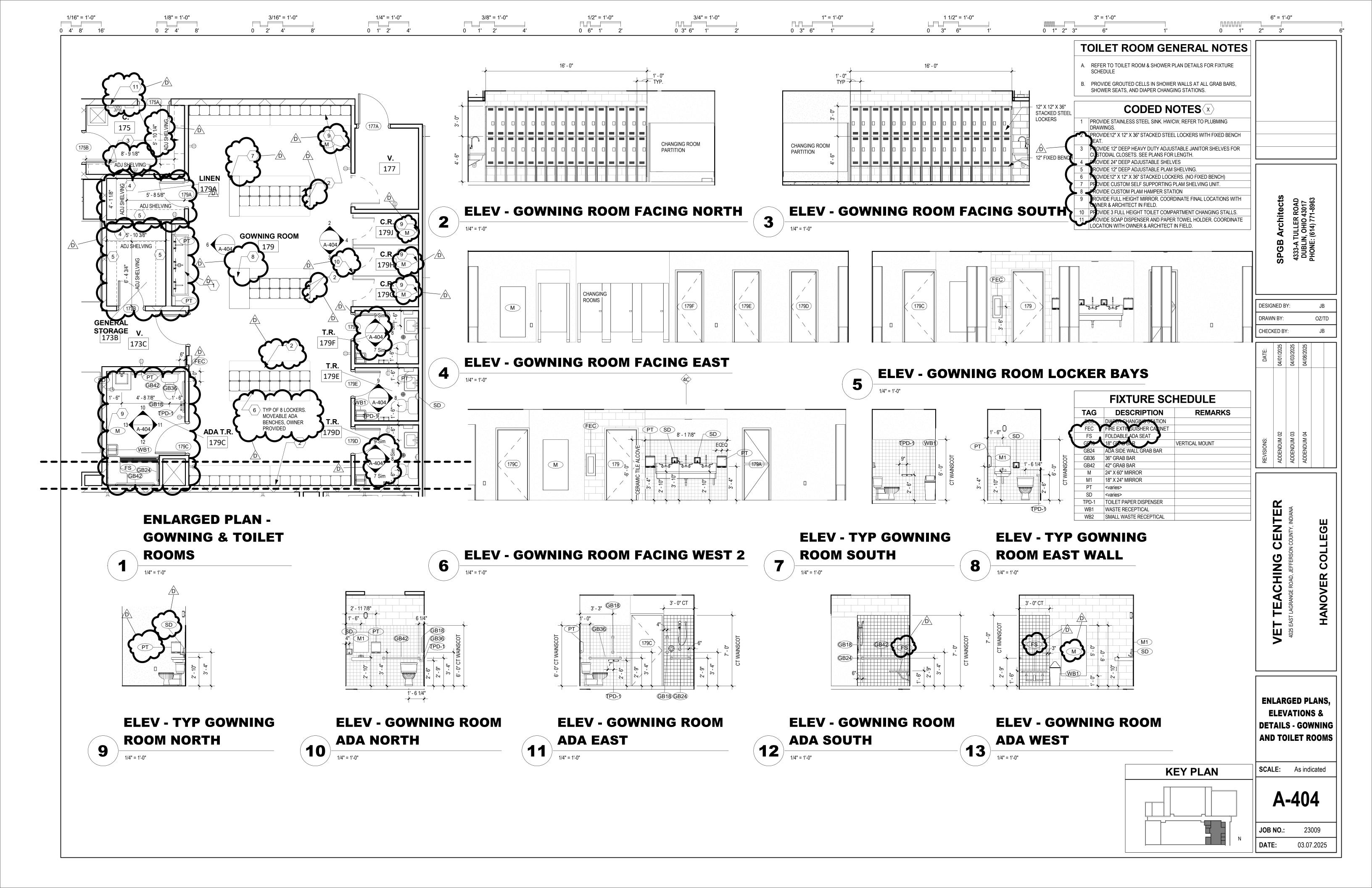
A-304

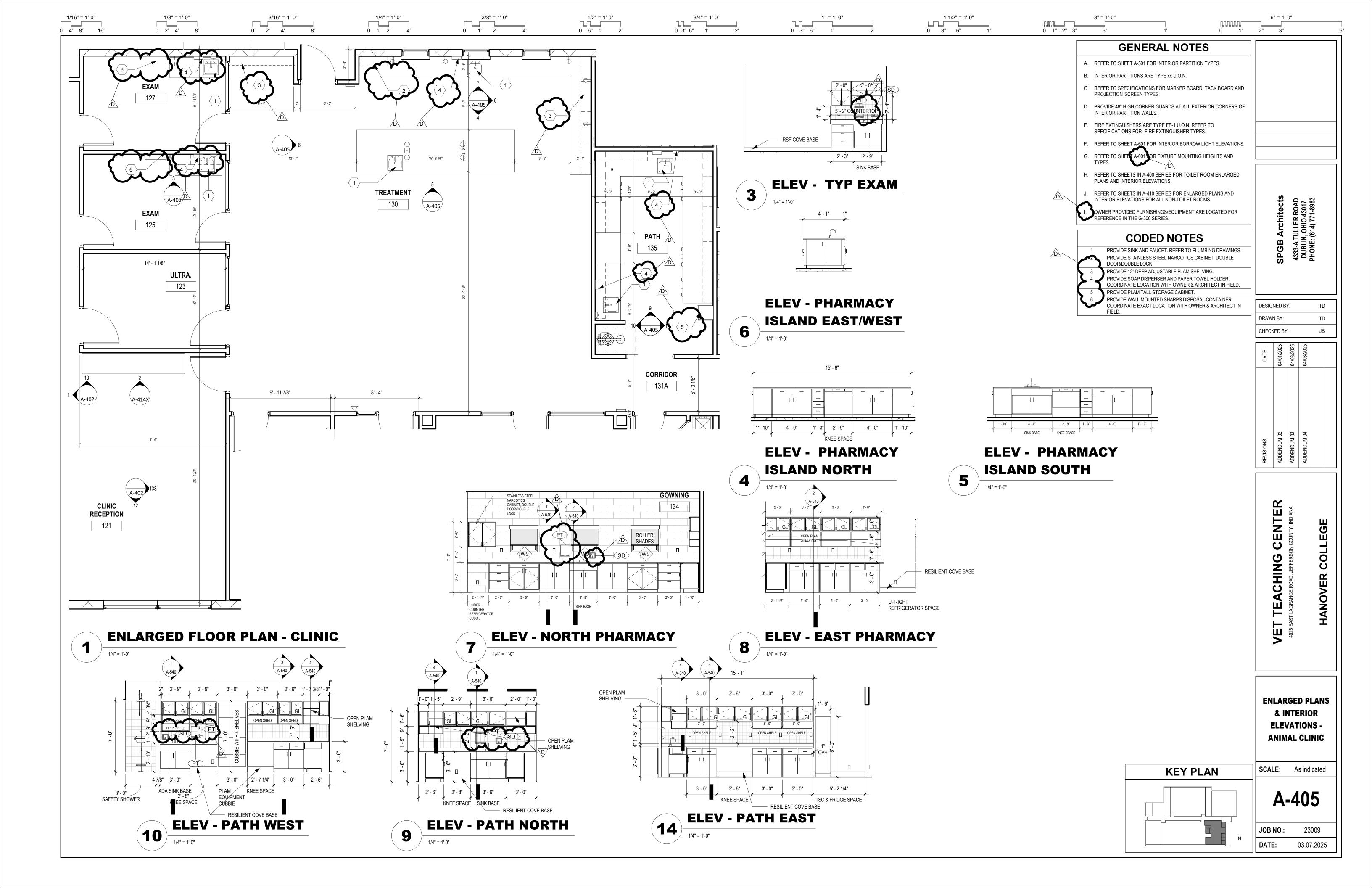
JOB NO.: 23009 DATE: 03.07.2025

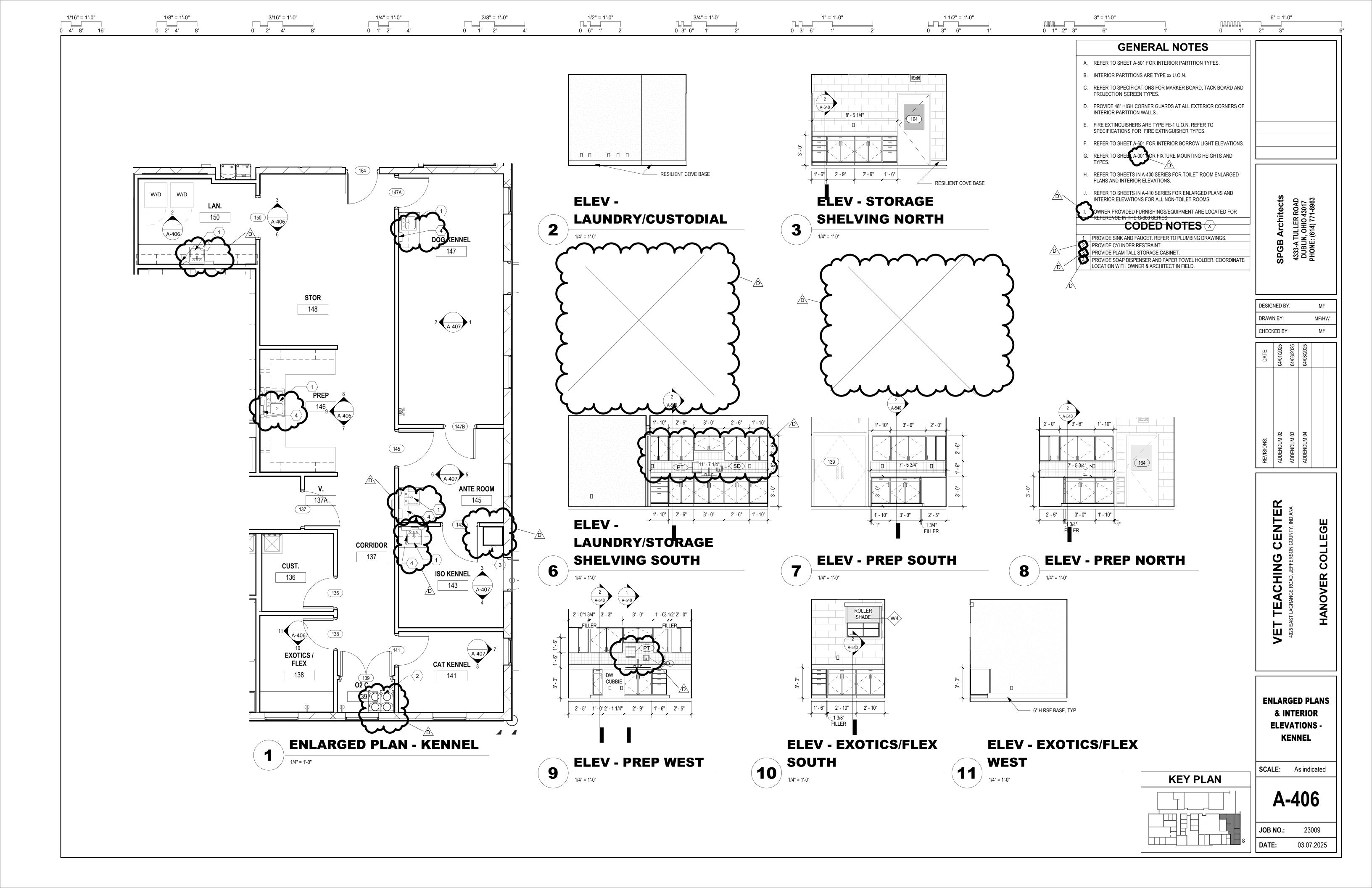


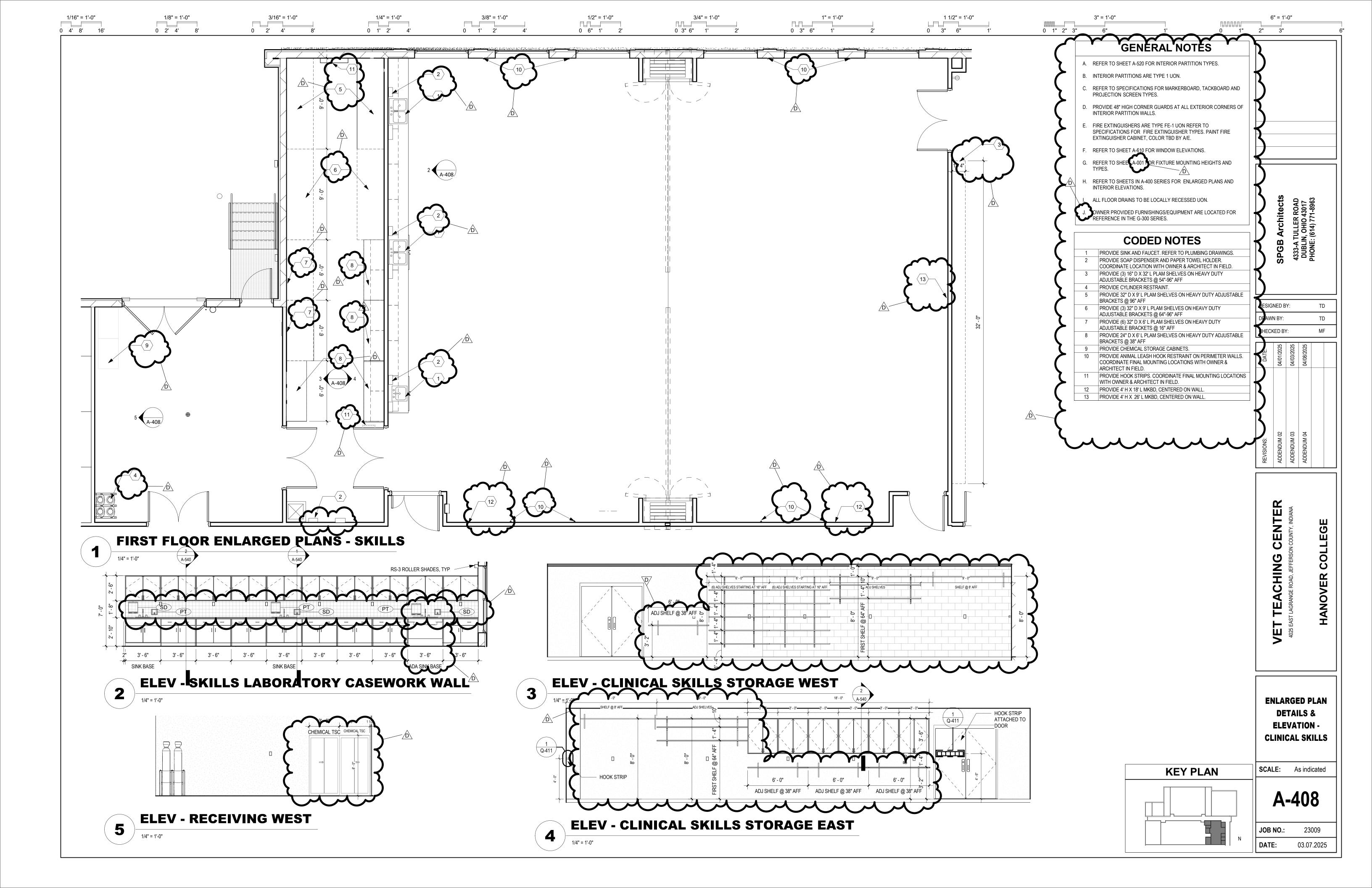


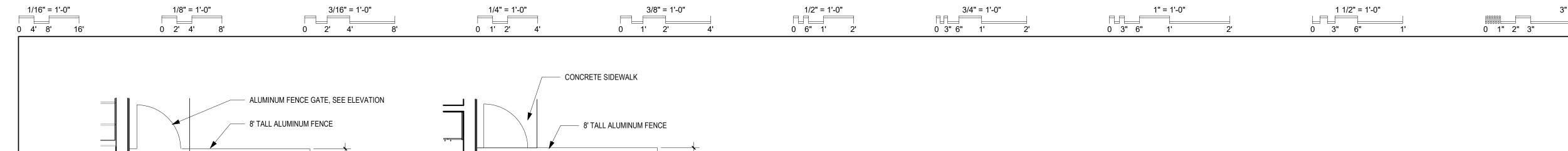


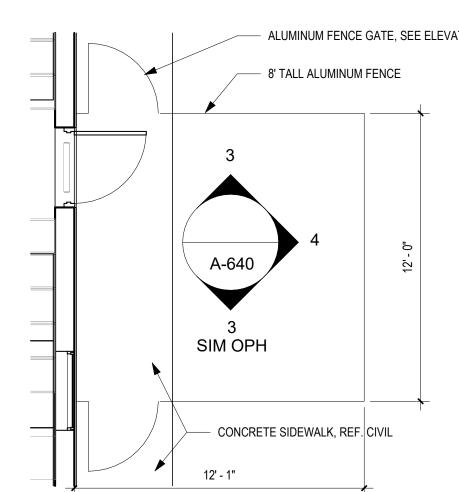


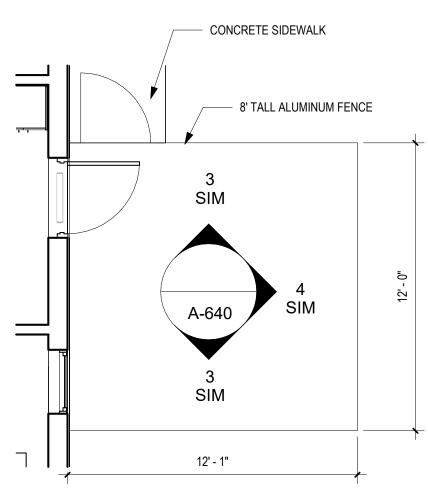






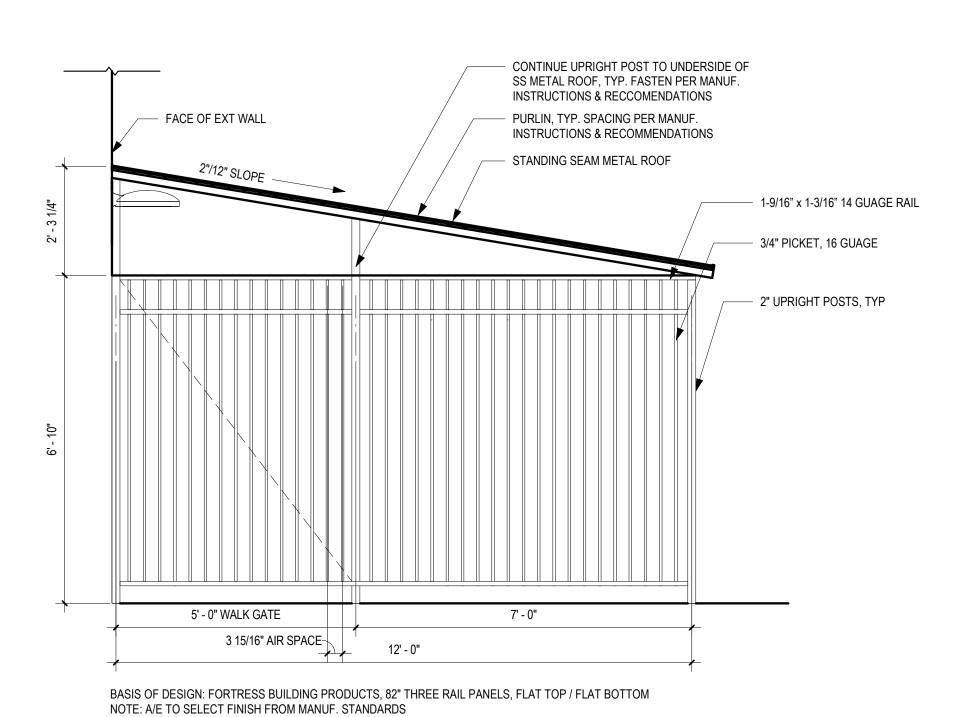


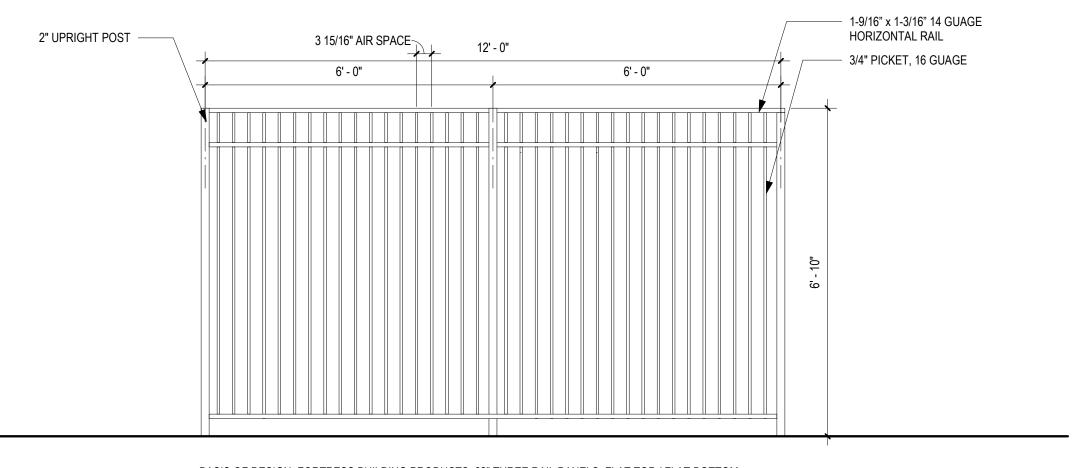




ENLARGED PLAN -NORTH DOG CORRAL 1/4" = 1'-0"







BASIS OF DESIGN: FORTRESS BUILDING PRODUCTS, 82" THREE RAIL PANELS, FLAT TOP / FLAT BOTTOM NOTE: A/E TO SELECT FINISH FROM MANUF. STANDARDS

ELEV - NORTH & SOUTH - ALUMINUM FENCE 3

1/2" = 1'-0"



3" = 1'-0" 6"

DESIGNED BY:	Designer	
DRAWN BY:	Author	
CHECKED BY:	Checker	

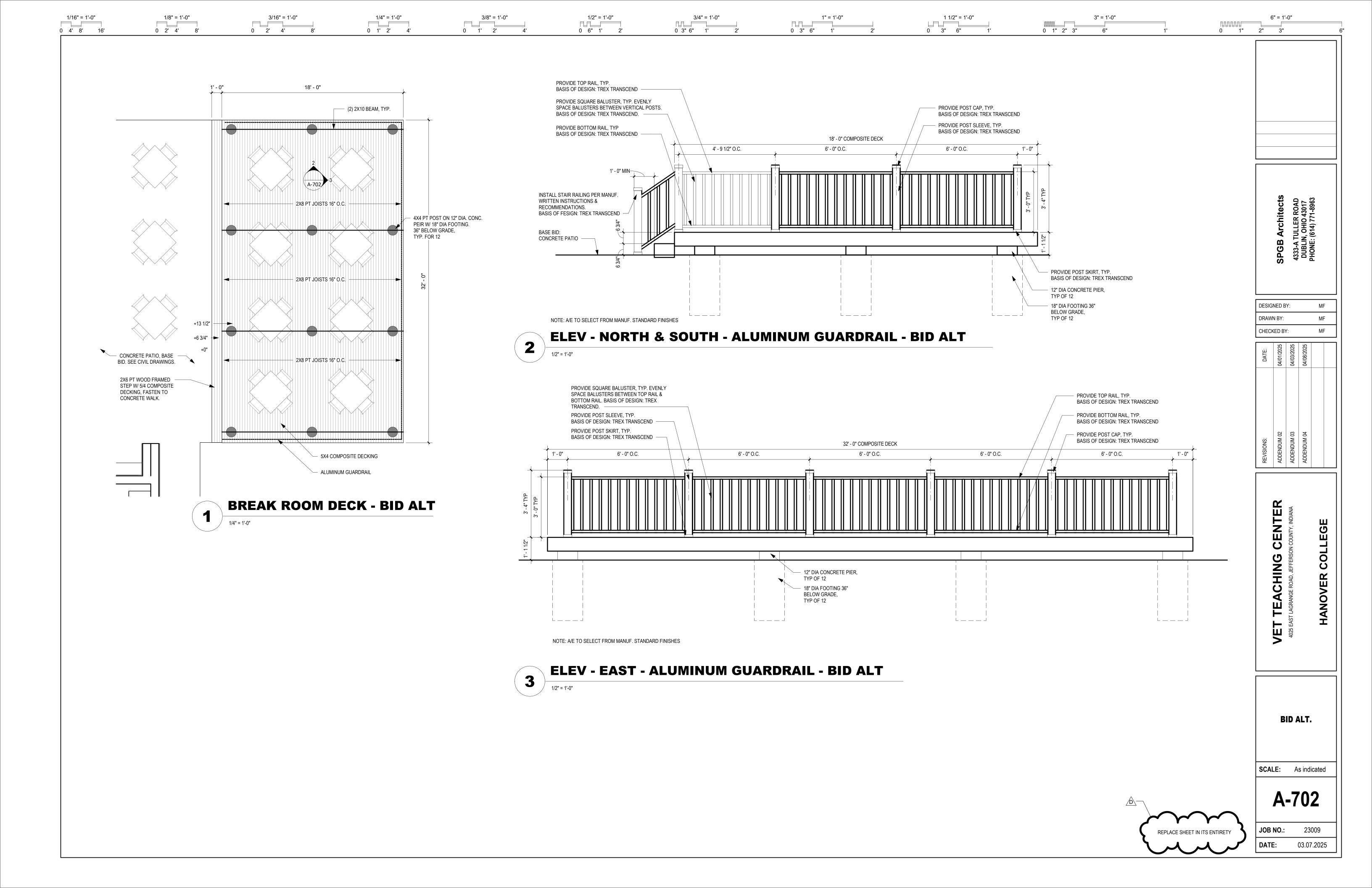
CHECK	(ED B)	/ :		Chec	ker
DATE:	04/01/2025	04/03/2025	04/08/2025		
REVISIONS:	ADDENDUM 02	ADDENDUM 03	ADDENDUM 04		

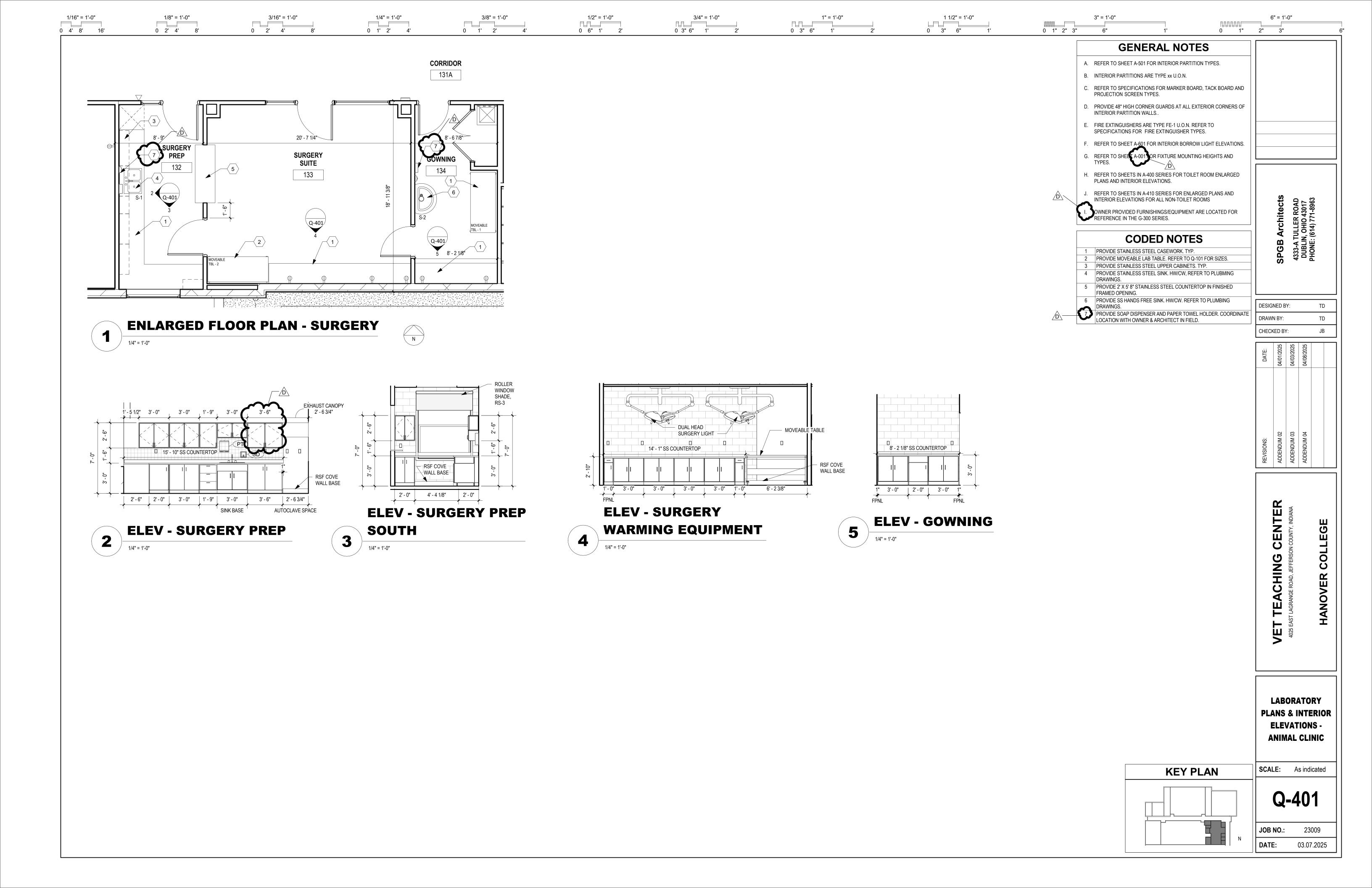
CENTER VET TEACHING
4025 EAST LAGRANGE ROAD, JEFFERSC

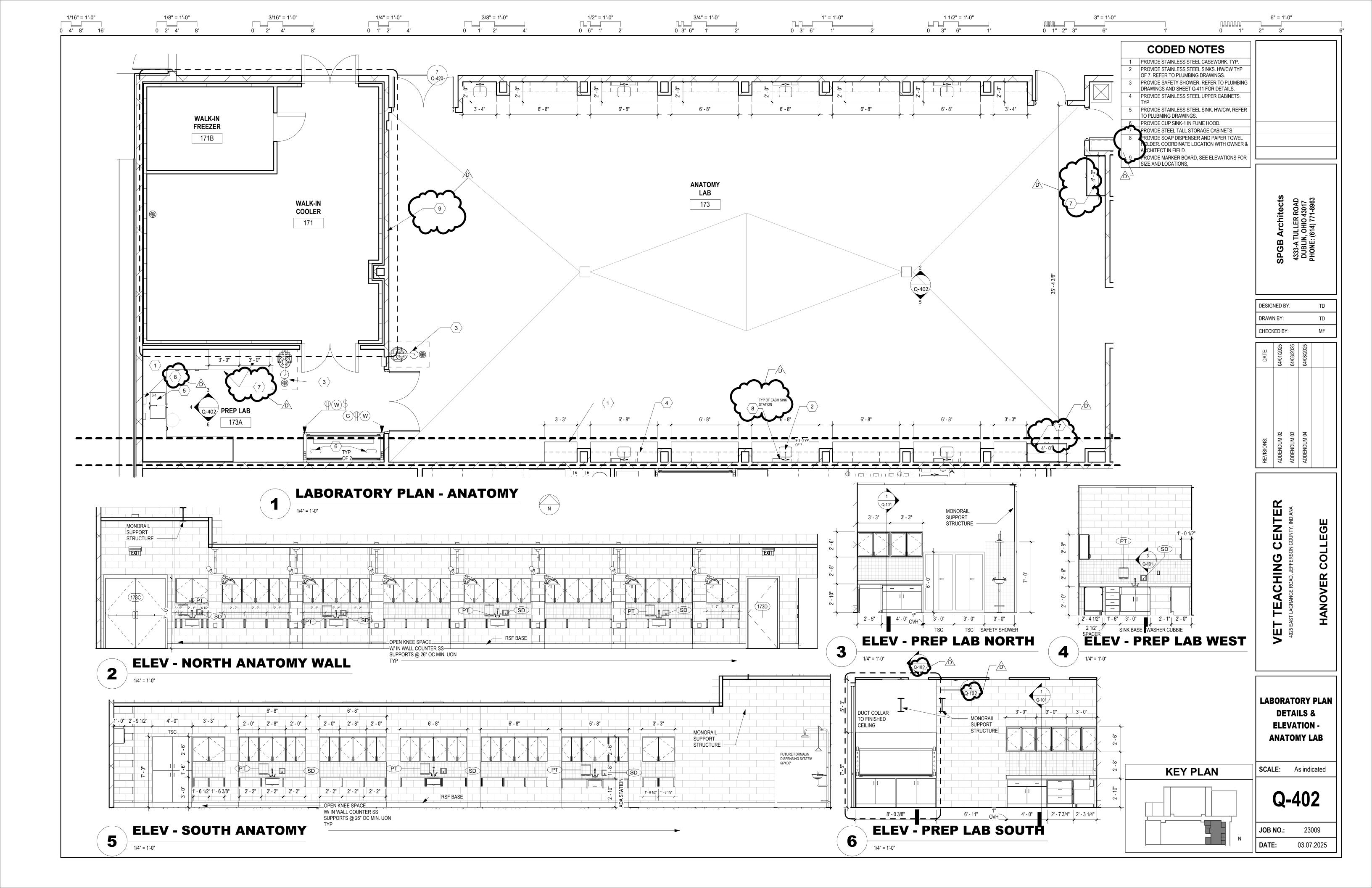
MISC EXTERIOR DETAILS - BASE BID

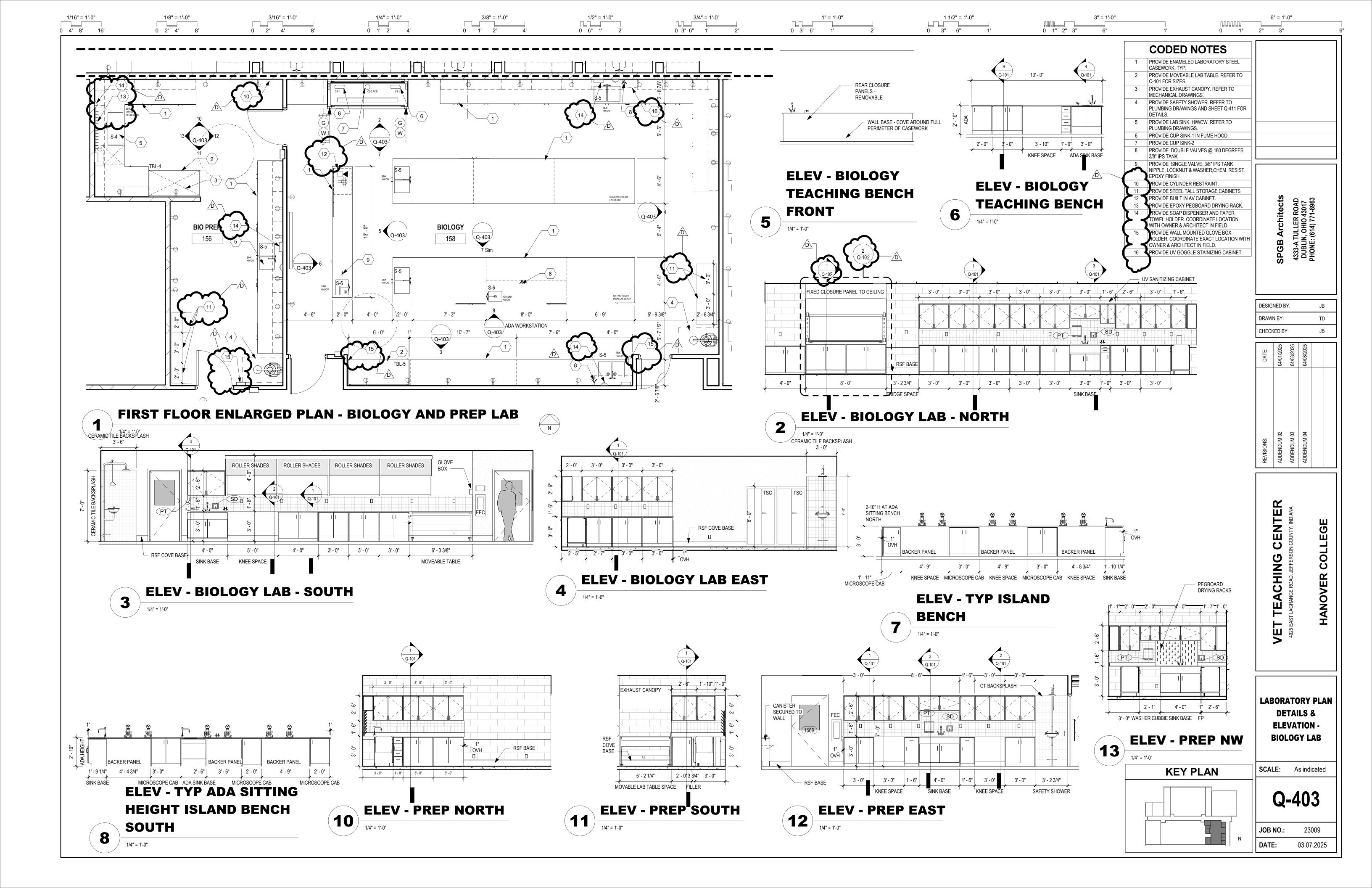
SCALE: As indicated

JOB NO.: 23009 DATE: 03.07.2025









3/16" = 1'-0"

1/8" = 1'-0"

EMERGENCY (NEUTRAL) 5

1/16" = 1'-0"

0 4' 8' 16'

1/4" = 1'-0"

3/8" = 1'-0"

SYMBOL

1/2" = 1'-0"

DESCRIPTION

' PVC CAST-IN-PLACE, POWER-ONLY FLOOR

BOX WITH (4) SINGLE 20 AMP RECEPTACLES

FLOOR DEVICE LEGEND

3/4" = 1'-0"

CONDUIT SIZE

(1)3/4" POWER

0 3" 6"

0 3" 6" 1'

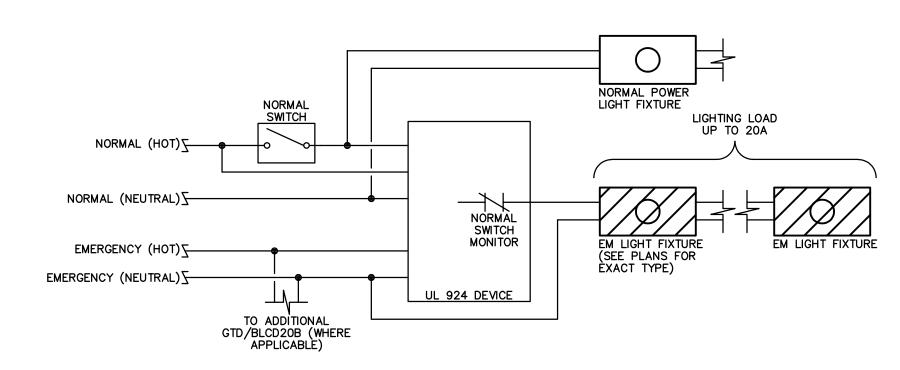
MODEL #

FBS1R4PFB

GENERATOR TRANSFER DEVICE WIRING DIAGRAM

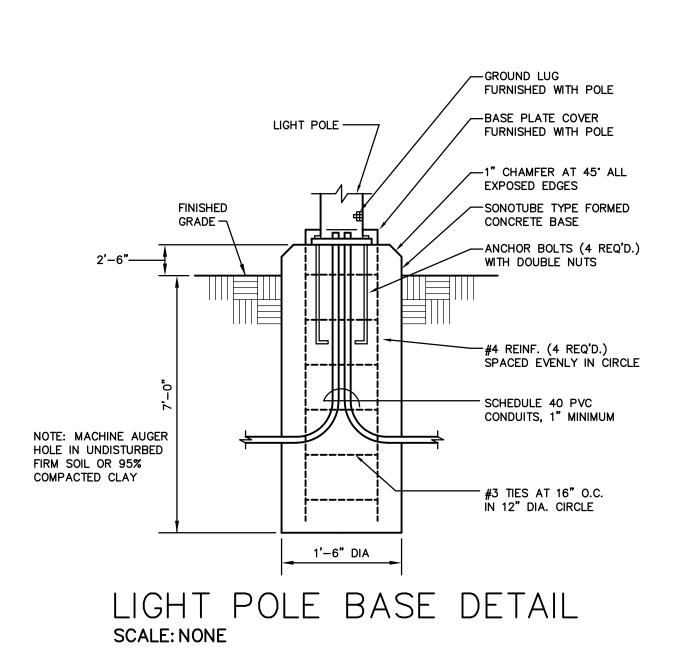
SCALE: NONE
DETAIL SHOWN TO CONVEY DESIGN INTENT BASED ON BODINE #GTD, EQUALS ALLOWED. VERIFY EXACT WIRING WITH MANUFACTURER'S WIRING DIAGRAMS. DEVICE MUST BE UL 924, 1008 LISTED.

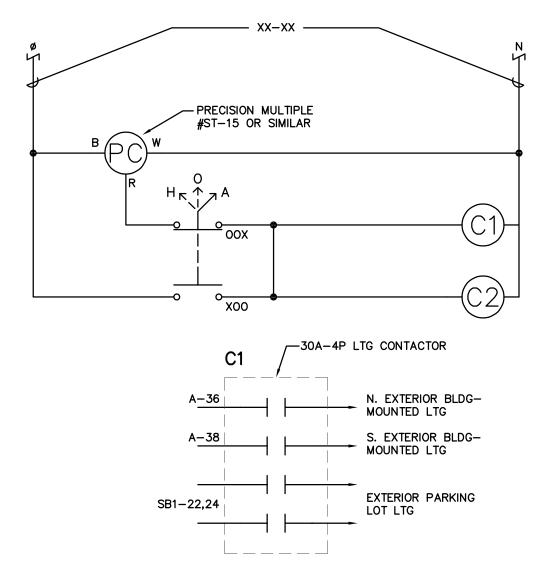
UL 924 DEVICE



20 AMP GENERATOR TRANSFER DEVICE WIRING DIAGRAM

SCALE: NONE
DETAIL SHOWN TO CONVEY DESIGN INTENT BASED ON BODINE #BLCD-20B, EQUALS ALLOWED. VERIFY EXACT WIRING WITH MANUFACTURER'S WIRING DIAGRAMS. DEVICE MUST BE UL 924, 1008 LISTED.





EXTERIOR LIGHTING CONTROL DIAGRAM SCALE: NONE
MOUNT DEVICES IN NEMA-1 ENCLOSURE(S).

LIGHT FIXTURE SCHEDULE

1 1/2" = 1'-0"

FIXTURE TAG PREFIX INDICATES TYPE OF MOUNTING AS FOLLOWS: CH-CHAIN MOUNTED; CL-CEILING SURFACE; CV-COVE MOUNTED; EX-EXIT (UNIVERSAL MOUNT U.N.O.); G-GROUND; H-MOUNTED IN HOOD; P-POLE MOUNTED; R-CEILING RECESSED; S-SUŚPENDED; T-TRACK MOUNTED; UC-UNDER CABINET; W-WALL MOUNTED; WR-WALL RECESSED.

•	BOX WITH (4) SINGLE 20 AMP RECEPTACLES (QUAD OUTLET CONFIGURATION)	S1R4SPQUAD	(1)3/4" POWER									\dashv \vdash	
<u> </u>	4" PVC CAST-IN-PLACE, DUAL SERVICE FLOOR BOX WITH (1) 20 AMP DUPLEX RECEPTACLE AND	CFBS1R4PFB S1R4SP2X2D	(1)3/4" POWER (1)1-1/4" COMM	FIXTURE TAG	DESCRIPTION	MANUFACTURER	PRODUCT SERIES	LIGHT SOURCE	DRIVER/ CONTROLS	VOLTAGE	REMARKS	11	
Ь	(2) KEYSTONE DATA JACKS		(-))	CL1	CEILING MOUNTED ARTICULATING EXAM LIGHT WITH INTEGRAL ON/OFF/ INTENSITY CONTROL ON HANDLE	MEDICAL ILLUMINATION MORTECH AMICO	MI550	65W LED (INCLUDED) 55,000 LUX @ 1 METER 4300K, 97CRI	INTEGRAL 2-LEVEL DIMMING	UNIVERSAL	FURNISH AND INSTALL LIGHT UNDER BID ALTERNATE. PROVIDE ROUGH-IN ONLY UNDER BASE BID		_
1. ROU	TE ALL CONDUITS IN SLAB OVER TO NEAREST FULL HI	FIGHT WALL AN	ND TRANSITION TO	CL2	SIMILAR TO CL1, HIGHER LUMEN	MEDICAL ILLUMINATION MORTECH AMICO	MI750	65W LED (INCLUDED) 75,000 LUX @ 1 METER 4300K, 97CRI	INTEGRAL 3-LEVEL DIMMING	UNIVERSAL	FURNISH AND INSTALL LIGHT UNDER BID ALTERNATE. PROVIDE ROUGH-IN ONLY UNDER BASE BID		_
CEILING 2. PRO' 3. BASI	SPACE TO CONTINUE HOME RUN, UNLESS NOTED OTH VIDE PULL STRINGS IN ALL EMPTY CONDUITS. S OF DESIGN FLOOR DEVICES LISTED ABOVE ARE HUB	HERWISE. BBELL. EQUALS		CL3	SIMILAR TO CL1, HIGHER LUMEN, DUAL HEAD	MEDICAL ILLUMINATION MORTECH	MI1000	100W LED (INCLUDED) 100,000 LUX @ 1 METER	INTEGRAL 5-LEVEL	UNIVERSAL	FURNISH AND INSTALL LIGHT UNDER BID ALTERNATE. PROVIDE ROUGH-IN		_
AND MO 4. ALL	ONOSYSTEMS MAY BE FURNISHED AT THE CONTRACTOR COVERS SHALL BE FLUSH ALUMINUM WITH GASKETED S AND FLOORING TYPES FOR EACH SPACE WITH ARCH	RS OPTION. CABLE HOLE.	VERIFY ALL			AMICO		4300K, 97CRI	DIMMING		ONLY UNDER BASE BID	\dashv $\bar{\vdash}$	_
					0.5" WIDE LINEAR LED TAPE IN	LUMINII	K45M RGB42HO	6W/FT LED (INCLUDED)	1% DMX	120V-24V	SEE ARCHITECTURAL DETAILS AND	+ +	
				CV1	EXTRUDED ALUMINUM CHANNEL, D	LLI ARCHITECTURAL LIGHTING	CC5.9W	83, 168, 47 LUMENS/FT R,G,B	DIMMING AND CONTROL	POWER SUPPLY	RCPS FOR MOUNTING AND EXACT COVE LENGTHS	41	
												╛╽	
				G1	3" WIDE FLOOD LED GRADE LIGHT WITH 110" OPTICS, BRONZE FINISH	FC LIGHTING GVA LIGHTING	FCF1103 FL25	7W LED (INCLUDED) 885 LUMENS, 3000K 80 CRI	NON-DIM	UNIVERSAL (208V–1ø USED)	PROVIDE CONCRETE BASE IN GRADE PER MFGR'S RECOMMENDATIONS. MOUN 3'-0" BACK FROM FACE OF SIGNAGE	ITI I	
												J WG	
				P1	24" DIAMETER X 15" TALL PENDANT SMOOTH WHITE ACRYLIC LENS	ANP LIGHTING BASELITE	MDS24LED PEY	29W LED (INCLUDED) 3500K, 2000 LUMEN	1% 0-10V DIMMING	UNIVERSAL	SEE ARCH SHEETS FOR SUSPENSION HEIGHT	3357.D	
								90 CRI				500-2	
					25" X 13" X 7" TALL LED AREA	LSI	MRS	39W LED (INCLUDED)	NON-DIM	UNIVERSAL		┦┷┞	ر - اد
				PL1	LIGHT W/ 16'-0" ROUND ALUMINUM POLE, TYPE IV DISTRIBUTION SIMILAR TO PL1, TYPE V DISTR.	LITHONIA LSI	PREVAIL DISCRETE RSX1 LED MRS	6000 LUMENS, 3000K 80 CRI 39W LED (INCLUDED)	NON-DIM	(208V-1ø USED) UNIVERSAL	FIXTURE @ 12'-6" W/ CONCRETE BASE HOUSE-SIDE SHIELD ON PERIMETER FIX MOUNT ON 10'-0" POLE, TOP OF	E. '	ء' – کار
				PL2	SIMILAR TO PLI, TIPE V DISTR.	LUMARK LITHONIA		6000 LUMENS, 3000K 80 CRI	NON-DIM	(208V-1ø USED)			- از
						_						۱г	_
				R1	2X2 ARCHITECTURAL TROFFER WITH CURVED FLOATING CENTER BASKET, ACRYLIC LENS	WILLIAMS METALUX NARK ARCHITECTURAL LTG	AT122 22RLN	37W LED (INCLUDED) 4000 LUMENS, 3500K	1% 0-10V DIMMING	UNIVERSAL		7 L	_
				R2	SIMILAR TO R1, WARMER CCT	WILLIAMS	WHSPR 2X2) AT122 22RLN	80 CRI 37W LED (INCLUDED) 4000 LUMENS, 3000K	1% 0-10V DIMMING	UNIVERSAL		\dagger	
				D7	2X4 ARCHITECTURAL TROFFER	METALUX MARK ARCHITECTURAL LTG WILLIAMS	WHSPR 2X2)	80 CRI 48W LED (INCLUDED)	1% 0-10V	UNIVERSAL		+ +	
				R3	WITH CURVED FLOATING CENTER BASKET, ACRYLIC LENS 2X4 LOW PROFILE TROFFER WITH	MARK ARCHITECTURAL LTG FAILSAFE	24ŘLN WHSPR 2X4	5500 LUMENS, 3500K 80 CRI 41W LED (INCLUDED)	DIMMING 1% 0-10V	UNIVERSAL		4	
				R4	SMOOTH POLYCARBONATE LENS, WET LISTED	D LITHONIA	CPXIP	5500 LUMÈNS, 4000K 80 CRI	DIMMING			4	
				R5	SIMILAR TO R4, LOWER LUMENS WARMER CCT	FAILSAFE LITHONIA	CPXIP CPXIP	30W LED (INCLUDED) 4000 LUMENS, 3500K 80 CRI	1% 0-10V DIMMING	UNIVERSAL			0
				R6	36" DIAMETER RECESSED DOWNLIGHT WITH OPAL WHITE LENS	PICASSO LICHTING DAY-0-LITE	NASL-RND-D	42W LED (INCLUDED) 3700 LUMENS, 3500K 80 CRI	10% 0-10V DIMMING	UNIVERSAL		ceil $ brack$	í
				R7/R7W	6" APERTURE RECESSED LED DOWNLIGHT, SEMI SPEC. REFLECTOR,	WILLIAMS	6DR TL WW	9W LED (INCLUDED) 1000 LUMENS, 3500K	10% 0-10V DIMMING	UNIVERSAL	WALL WASH LENS. ORIENT TO WASH		_
	XX-XX	N I		R8	WHITE TRIM 6" APERTURE RECESSED LED DOWNLIGHT, SEMI SPEC. REFLECTOR,	WILLIAMS HALO	6DR TL	80 CRI 19W LED (INCLUDED) 2000 LUMENS, 3500K	10% 0-10V DIMMING	UNIVERSAL	NEAREST WALL	+ +	
					WHITE TRIM, WET LISTED LENS 4" WIDE RECESSED LINEAR LED	D GOTHAM BIRCHWOOD	JAK-LED-WW-350	80 CRI 9W/FT LED (INCLUDED)	10% 0-10V	UNIVERSAL		+ +	
	PRECISION MULTIPLE #ST-15 OR SIMILAR			R9	ASYMMETRIC (MARKER BOARD) WASH, LENGTH AS SHOWN ON PLANS	LUMENWERX NEORAY	VIA 4 S124DR	670 LUMENS/FT, 3500K 80 CRI	DIMMING			41	
$\bigcirc w$		-]	
R H	O A			S1	4' LONG INDUSTRIAL LED STRIP W/ DIFFUSE ACRYLIC LENS, CHAIN OR SURFACE MOUNT	WILLIAMS METALUX LITHONIA	75R SNX CLX	33W LED (INCLUDED) 5000 LUMENS, 3500K 80 CRI	10% 0-10V DIMMING	UNIVERSAL	SURFACE OR SUSPEND MOUNT 8'-0". COORDINATE LOCATION & MOUNTING TO AVOID CONFLICT WITH ALL TRADES		
<u>c</u>	$\frac{1}{1}$ $\frac{1}$											7	
_				W1	16" TALL 7" WIDE GEORGIAN COACH LIGHT, WALL MOUNT, GRAPHITE	ELA LIGHTING	4411 8824-12	(1)10W E26 LED RETROFIT 1200 LUMENS, 3000K	NON-DIM	UNIVERSAL	FOR MOUNTING HEIGHT ABG AT EACH		
——-С	C2)		W2	FINISH ARCHITECTURAL WALL PACK WITH TYPE II DISTRIBUTION,	WILLIAMS MCGRAW EDISON	FLORENČE VWPH T2 GWC T2	80 CRI 49W LED (INCLUDED) 6000 LUMENS, 3500K	NON-DIM	UNIVERSAL	LOCATION SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT ABG AT EACH	.	
	C1 / 30A-4P LTG CONTACTOR				WET LISTED SIMILAR TO W2, TYPE III DISTRIBUTION	- WILLIAMS	VWPH T3	80 CRÍ 27W LED (INCLUDED)	NON-DIM	UNIVERSAL	LOCATION SEE ARCHITECTURAL ELEVATIONS	-	
	A-36 1 N. EXTERIOR BLDG-			W3	LOWER LUMENS SIMILAR TO W2. TYPE IV DISTRIBUTION	MCGRAW EDISON -	GWC T3	3000 LUMENS, 3500K 80 CRI	NON DIM	LINUVEDCAL	FOR MOUNTING HEIGHT ABG AT EACH LOCATION SEE ARCHITECTURAL ELEVATIONS	<u>'</u>	
	A-38 S. EXTERIOR BLDG-			W4	SIMILAR TO WZ, TIPE TO DISTRIBUTION	WILLIAMS MCGRAW EDISON SOLAS RAY	VWPH TFT GWC_I4FT WPM	49W LED (INCLUDED) 6000 LUMENS, 3500K 80 CRI	NON-DIM	UNIVERSAL	FOR MOUNTING HEIGHT ABG AT EACH LOCATION	<u> </u>	
	MOUNTED LTG			W5	SIMILAR TO W2, TYPE IV DISTRIBUTION HIGHER LUMENS	WILLIAMS MCGRAW EDISON SOLAS RAY	VWPH TFT GWC_I4FT WPM	72W LED (INCLUDED) 8500 LUMENS, 3500K 80 CRI	NON-DIM	UNIVERSAL	SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT ABG AT EACH LOCATION	<u>'</u>	_
SB1	-22,24 EXTERIOR PARKING LOT LTG			W6	24" WALL MOUNTED DIRECT/INDIRECT DECORATIVE BATHROOM VANITY	ARTEMIDE LUMENWERX	LINEA FLAT 24 DUAL WALO	42W LED (INCLUDED) 1835 LUMENS, 3500K	NON-DIM	UNIVERSAL	WALL MOUNT ABOVE MIRROR PER ARCHITECTURAL PLANS	7	
				W7	WALL SCONCE 43" LONG ART LAMP WITH 4.5" X 17.75" BACK PLATE	LIGHTWAY HOUSE OF TROY -	VTLV-LED DSLEDZ43	80 CRI 13.5W LED (INCLUDED) 2700K, 1080 LUMENS	TRIAC DIMMING	120V	SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT ABOVE WALL	 	S
— \ 						_		90 CRI			ART	'	j
	ERIOR LIGHTING				UNIVERSAL MOUNT/FACE LED EXIT	SURE-LITES	LPX	3W LED (INCLUDED)	NON-DIM	UNIVERSAL	SEE PLANS FOR NUMBER OF FACES,	4	
CON scale: n	TROL DIAGRAM			EX1	SIGN, RED LETTERS, WHITE THERMO- PLASTIC HOUSING, 90 MIN BATTERY	CHLQRIDE QUANTUM	CLX	(323525)	,		ARROWS, AND CEILING/WALL MOUNT	↓ L	_

ADDITIONAL SPECIFICATIONS:

ALL COLORS AND FINISHES SHALL BE SELECTED/VERIFIED BY ARCHITECT/OWNER PRIOR TO ORDERING.

ALL HATCHED EMERGENCY LIGHT FIXTURES (EXAMPLE: R4) SHOWN WITH LIGHTING CONTROL SHALL BE PROVIDED WITH A UL924 / UL 1008 (AS APPLICABLE) GENERATOR TRANSFER DEVICE (GTD) TO BE INSTALLED ABOVE THE ACCESSIBLE CEILING OR IN THE FIXTURE'S DRIVER COMPARTMENT. FIXTURES LOCATED WITHIN THE SAME SPACE AND CONTROLLED BY A COMMON DEVICE OR ON THE SAME SWITCH LEG MAY SHARE A COMMON GTD RATED FOR SUCH USE AT THIS CONTRACTOR'S OPTION. COORDINATE FINAL DEVICE AND WIRING WITH EACH FIXTURE/ CONTROL COMBINATION USED SO THAT LIGHTING FIXTURES AUTOMATICALLY ILLUMINATE TO FULL OUTPUT UPON LOSS OF NORMAL POWER REGARDLESS OF PREVIOUS CONTROLLED STATÉ.

LIGHT FIXTURES LISTED ON TOP LINE ARE BASIS OF DESIGN. EQUIVALENT FIXTURES LISTED ON LINES 2 AND 3 MAY BE SUBMITTED FOR OWNER AND A/E APPROVAL, PENDING THE CONTRACTOR TO ENSURES ALL EQUIVALENT FEATURES MATCH THE BASIS OF DESIGN IN APPEARANCE, PERFORMANCE, MOUNTING TYPE, DIMENSIONS, ETC.

3/7/2025

6" = 1'-0"

DESIGNED BY: DRAWN BY: PEA PEA CHECKED BY:

CENTER **TEACHING**

ELECTRICAL SCHEDULES AND **DETAILS**

SCALE: As indicated

E-500

JOB NO.: 23009 DATE: 03.07.2025