

ADDENDUM #4

Will County Health Department
BID PACKAGE #3 – MEP/Finishes/Carpentry/Glazing
December 6, 2018

This addendum will be included in all future sets of drawings distributed and on the Leopardo Building Connected website.

Division 1 – General Instructions

1.0 Bid Instructions

A. Bid Submission

1. **There will be NO bid due date extension for this addendum. Final bids are due no later than 1:00 on Wednesday, December 12, 2018.**

1.1 Bid Documents

A. Schedule of Bid Documents

The following documents are included as part of this bid addendum:

| DATE | DESCRIPTION | By |
|---------|--|--------------------|
| 12/6/18 | Addendum Narrative (this document) | Leopardo Companies |
| 12/6/18 | Bid RFI Log - (attached) | Leopardo Companies |
| 12/6/18 | Revised Plumbing Work Scope- (attached) | Leopardo Companies |
| 12/6/18 | Revised Plumbing Bid Proposal Form - (attached) | Leopardo Companies |
| 12/6/18 | Sealed Bid Attachments REQUIRED – (As Listed Below) | Leopardo Companies |
| 12/6/18 | Revisions Narrative and Drawing Index (attached) | Kluber |
| 12/6/18 | Specification Section Revisions (As Listed Below) | Kluber |
| 12/6/18 | Drawing Revisions (attached) | Kluber |

2.0 General Information

A. RFI Log

- See attached RFI log dated 12/6/2018

B. Revised Work Scopes (Revisions noted in Red)

- See attached Revised Plumbing Work Scope dated 12/6/2018

C. Revised Bid Proposal Forms (Revisions noted in Red)

- See attached Revised Plumbing Bid Form dated 12/6/2018

D. Sealed Bid Attachments (Include with Bid or will be DISQUALIFIED)

- a. Include the following attachments with your sealed bid form. Bid Forms can be found in the Project Manual Vol.1 Section 00400. If you are submitting under multiple bid categories, submit a separate bid for each category with all attachments in each sealed envelope.
 - i. Attachments

1. Bid Label on the sealed envelope with the bid description (i.e. 3-21 signage)
2. 10% Bid Bond or cashier's check (payable to Will County Treasurer)
3. Prime Contractor Certification Form -SIGNED
4. Bid Form-SIGNED
5. Labor and Machine -Include on Your OWN Form
6. Qualification Forms
 - a. Tier One – Trades <\$700K (If Not Listed in Tier Two or Three)
 - b. Tier Two – Trades > \$700K (If Not Listed in Tier Three)
 - c. Tier Three (Use Form Specifically for Your Bid Category)

E. Revised Specification Sections – Dated 2018.12.06

- Section 064100 Custom Casework
- Section 084313 Aluminum Frames Storefronts
- Section 104400 Fire Protection Specialties
- Section 281600 Intrusion Detection

F. Revised Drawings Sheets – Dated 2018.12.06

- G301
- A311
- A312
- A321
- A322
- A912
- A930
- A1001
- M311
- M312
- M321
- M421
- M510
- M710
- P302
- P311
- P312
- P321
- P322
- E311
- T311
- T411
- T412
- T422

END OF ADDENDUM #4



RFI LOG
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R = Resolved
P = Pending
Response
I = Incomplete

| RFI # | Addendum # | Question | Response | Status |
|---------|-------------|--|---|--------|
| BP3-001 | Addendum #2 | Are fire dampers required where duct passed through fire rated walls? | Fire dampers will be addressed by a future BP3 - Addendum. BP3-Addendum #2 adds a horizontal fire rated gypsum board assembly at the mechanical shafts where ducts penetrate the second floor. This wall construction shall be installed tight to the vertical ductwork penetration and be installed at the second floor line as indicated in the addendum. See revised Sheet G301 for locations. | R |
| BP3-002 | Addendum #2 | What type of VFD is required for RAF-1? | Variable speed control shall be included with the exhaust fan as specified. See Spec. Section 23 34 23.03; paragraph 2.04 for unit specifications. No addendum required for this clarification. | R |
| BP3-003 | Addendum #2 | Will all the owner provided equipment be set in place for the specified contractor to then make final connections? | Set in place | R |
| BP3-004 | Addendum #1 | In the plumbing scope 7.e. states "e) Furnish and install all wiring for circulating pumps, and emergency eye wash station alarm. The electrical subcontractor will only be responsible to hook up line voltage power to each pump and the controller if required. Coordinate with electrical subcontractor prior to installation." This is electrician's scope of work. Is this to remain in the plumbing scope? | Yes | R |
| BP3-005 | Addendum #2 | Are flooring systems to continue under millwork and laboratory casework? | Yes | R |
| BP3-006 | Addendum #2 | There is no information on the existing Generator in the bid documents 1. Who is the manufacturer, what is the model number and what is the serial number of this engine? 2. Do you have a submittal for it, so we can get quotes for the services required for generator in BP-3-14? 3. Which company is holding the current warranty and service contract? 4. Who is the Gen Distribution Panel manufacturer, so we can get the new circuit breakers? Also, is the Gen Panel mounted in the Genset or remotely. 5. What is the estimated distance from the Manhole by the Generator to the Gen Distribution panel and is this conduit in the BP-1 Site Electrical Contractors Package? 6. Should we assume that the 4 hour load test will consume existing fuel in the belly tank and that we just refill it at the end, and is there enough fuel for the test in the tank now? 7. What is the fuel capacity of the Belly Tank? | 6. Assume empty Existing generator, generator distribution switchboard information and testing is included in Section 26 36 00.03; 1.09 Existing Conditions and 3.03 Field Quality Control) | R |
| BP3-007 | Addendum #1 | 1. In the Carpentry Scope of Work, items 1a-e under Thermal and Moisture Protection indicate the carpentry contractor is to install the exterior air/vapor barrier. Item e under Exclusions states Fluid Applied Air Barrier is by others. Please clarify. 2. If fluid applied barrier is included in the carpentry scope: Paragraph 3.04-B of spec Section 07 25 00.02 (Weather Barriers) is lined out. Please verify that we SHOULD NOT include the costs for ABAA testing. (Note: we agree that the ABAA testing requirement should be removed since it would add unnecessary costs to the project). | See revised scope in addendum #2 | R |
| BP3-008 | Addendum #1 | You have some prequalification forms that need to be submitted. I need some details. Do the forms need to be complete prior to submitting the bid or with our bid | The qualifications are included in volume 1. They are not pre qualifications. Just qualifications they have to meet to be able to bid. | R |

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| BP3-009 | Addendum #1 | Do the hard tile, resilient base, flooring, and carpeting jobs require union or prevailing wage bids? | Leopardo requires our subs to be union. The job falls under prevailing wages for Will County and that is to be sure they are paying the required minimum hourly rate for their trade. | R |
| BP3-010 | Addendum #1 | Plumbing VS Fire Sprinkler Scope | RPZ is for the domestic water side of the system IE POTABE WATER. This is a Furnish and Install item by the plumber. The Double Detector Check Valve which is for the Fire suppression system should be furnished by the FP guy installed by the Plumber. Installation is Plumbing Union thing. | R |
| BP3-011 | Addendum #1 | The existing X-Ray unit for TB that is being relocated. Drawings show and specify lead lining of gypsum board for interior room, gypsum board walls, door frame and door. Please advise if this is correct and whose scope it is in | Lead is required. Its on the plans and a spec section is included in BP#3 for this. Carpentry to provide. | R |
| BP3-012 | Addendum #2 | What Control cable & how many are to be installed in the 1" Conduit in the Gen Duct Bank, and where are the origination and destination points for the cable? | For bidding purposes only include 2#14(EM Stop), 3#14(ATS), 1 cat 6 23 AWG direct burial (RAP), 1 cat 6 23 AWG direct burial (Asco power meter). Manufacturer to specify exact requirements for construction. | R |
| BP3-013 | Addendum #2 | Seismic requirements are all over the MEP drawings/specifications. See sheet: M322 for example. Please advise | The note refers you to S010. See the Code and Loading section; Paragraph 6i that states "Non-structural arch, mechanical and electrical components = exempt." General notes require no modification. | R |
| BP3-014 | Addendum #1 | We are looking for a list of Mechanical Contractors bidding the HVAC for Will County Health Department. We would appreciate any help you can give us. | See attached bidders at this time | R |
| BP3-015 | Addendum #1 | 1. What exactly was or is being completed in BP #1 on the site by the site and building electrician? 2. Will there be any demolition in BP #3 by the building electrician? 3. The notes on E100 in both bid packages are mostly the same. It is unclear where BP#1 left off and BP #3 picks up. 4. The notes on E100 do not match with the information on the riser diagram. Specifically cabling sizes, etc. 5. Is the new ComEd pad installed under BP #1 or BP #3? 6. Is the Telecommunication conduit (E100 detail) installed in BP #1? 7. Is the 4" ComEd PVC installed in BP #1? | 1. See revised scope. 2. no 3. see revised scope. 4. see revised scope 5. BP#1 6. See revised scope. 7. See revised scope | R |
| BP3-016 | Addendum #2 | RFI Regarding Lighting: 1. The Exterior Luminaire Schedule on sheet E411 has a Type OA3 Fixture and lists it as a Pole Mounted Fixture, but the plan clearly shown as Wall Mounted. Please Clarify. 2. Also, this fixture is to match the Site Pole Light Fixtures OA3 purchased in BP-1 Site Electrical. Do you have an approved submittal for this fixture, so we can match it as specified? 3. The Exterior Luminaire Schedule on sheet E411 has a Type OB1 Fixture on it but we could not find any of these. Has one been mis-labeled? 4. The Interior Luminaire Schedule on sheet E412 has Types EM & EM-C, but we could not find any of these. | Included in BP3 - Addendum 2. 1. yes, this is wall mounted. 2. OB1 Is revised by addendum. 3. Correct - these units are not within this project scope. | R |
| BP3-017 | Addendum #2 | RFI Regarding Lighting Controls 1. The Lighting Control Schedule on E411 indicates that the Exterior Pole Mounted fixtures are to be equipped with Load Shedding/Dimming functions. Do you know if these fixtures were ordered, installed and wired with these functions up to the inground Junction Boxes by the Site Electrical Contractor, or is this an internal function of the Lutron Lighting Control Panels? 2. Did the Design Team engineer any Lighting Control Panel Schedules? I didn't see them on the plans | Lighting controls for all luminaires is included in bid package 3 specifications requirements. | R |

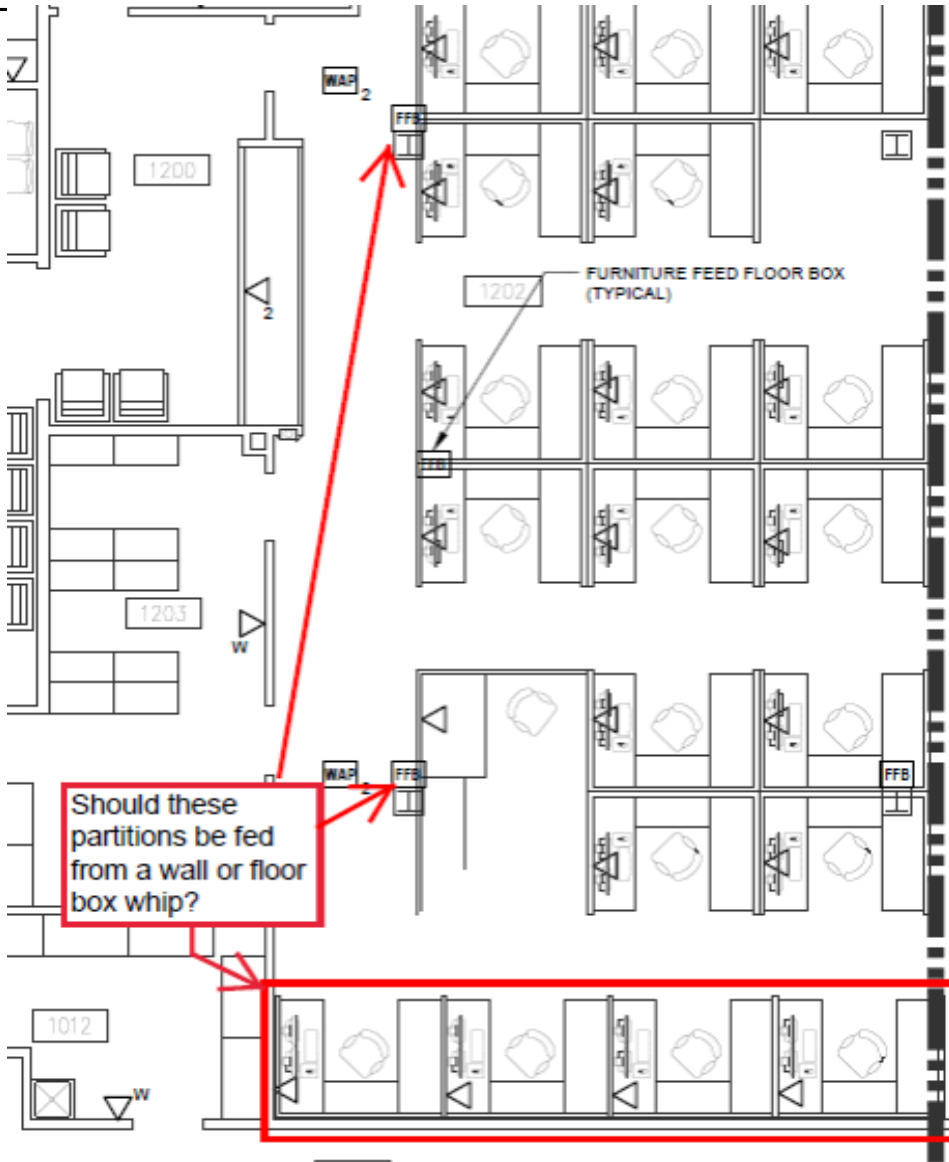
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| BP3-018 | Addendum #2 | 1. The electrical specifications have two sections for "LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES, SECTION 26 05 19.01 and 26 05 19.03". They have some differences in cable requirements. Why 2 sections and which one is correct? 2. The electrical specifications have two sections for "CONDUIT FOR ELECTRICAL SYSTEMS, SECTION 26 05 33.01 and 26 05 33.03". These appear to be the same. | Bid package 1 and 3 have different requirements. The .01 & .03 extensions to the spec sections indicate what Bid Package those specs were issued for. | R |
| BP3-019 | Addendum #1 | The Bid Form; Lightning Protection (Line Item 2.E on the Bid Form Schedule of Values) 1. Where would I find drawings & specifications for the Lightning Protection System? This requirement was not listed in the Electrical Scope of Work | See revised bid form | R |
| BP3-020 | Addendum #1 | The Bid Form; Alternate #3 LED Temp Jobsite Lighting 1. Where would I find a specific description of these requirements? Is this just for interior construction? | See revised bid form | R |
| BP3-021 | Addendum #1 | BP1 Trade Specific-Site Electrical, Section 8.b & c indicates that the Site Electrical Contractor is to: b. Provide portable, exterior rated site lighting on wood poles for parking lots designated to remain open during construction. Review schedule and site logistics/phasing plan. c. Coordinate installation of temporary flood lighting at offsite parking lot with ComEd. Utility consumption will be billed and paid by Will County. Install a temporary pole and flood lights to provide adequate lighting for temporary parking. Pull power overhead at one of the three existing ComEd poles. Include removal of temporary pole and power at the end of construction use. Reference Addendum #3 for further scope clarification. Job Site Lighting, or just Interior Building Construction Lighting? | Job site lighting. Temp power requirements are shown in building electrical scope | R |
| BP3-022 | Addendum #2 | The following are some issues regarding the Trade Specific BP3-14 Electrical Scope of Work Section 2.y Re: Resistivity Monitor; 1. What is involved in the installation of this equipment? It's not shown on the drawings or listed on any of the panelboard schedules 2. Can you furnish or identify the Lab Equipment/Casework drawings that show this work? It wasn't listed in any of the detail page's equipment schedules. 3. What are the power requirements? Section 4.c, Existing Generator. 1. Since this is an existing generator, from where are the power for the unit heaters, battery warmers, cabinet unit heaters, battery charger, water heater, fuel pumps, lights and etc., supposed to come from? None of this is shown on the Electrical Panelboard schedules. What are the power requirements? 2. Did the Site Electrical Contractor include raceways for these power requirements or do we have to trench all the way back from the building? 4. Did the Site Electrical Contractor demo all of the existing conduits up to and under the Generator pad, or did he intercept them in the new Pull Box which would make more sense? 5. If not, and the existing conduits are still underground, how are we supposed to run new conduit under the existing generator diesel fuel belly tank? Can you furnish a detail of how we're supposed to run the conduits? | 1. The Resistivity Monitor is an owner existing piece of equipment to be relocated to the new Environmental Lab Between Rooms 1218 & 1220. The unit is manufactured by Balsbaugh; Model Number 900 - Resistivity Monitor. It is just north of the Eyewash Station on the west wall of the wash alcove. It is shown on Sheet A500 with the Equipment Tag ED-004.X. The unit requires a 110V outlet to plug in the unit. The outlet is already indicated on the electrical drawings. The unit measures the quality of the DI Water system. Plumbing Sheet P312 has been revised by BP3 - Addendum #2 to extend the DI Water to this unit. 4.C see revised scope. The new Health Department building is being added to the existing generator. Power connections for those items are to remain in place | R |

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| BP3-023 | Addendum #1 | <p>Section 4.d, Existing Generator. 3. Spec 00220 BP-1 Site Electrical Scope, Section 11.a indicates that it is the Site Electrical Contractor who is responsible for; 11. Existing Engine Generator and Associated Items a. Provide sawcutting, trenching, conduit, concrete duct bank and backfill from existing generator at Sunny Hill Nursing Home to the new building pad. b. Per Bid RFI 015: The plans indicate for the generator stub into the new building and to the generator enclosure to be GRS. The conduit transitions to PVC at the pull boxes for the length of the duct bank. We did not see these requirements rescinded or transferred to the Building Electrical Contractor in any of the BP-1 Addendums. This requirement should still remain within the Site Electrical Contractor's scope. This is in conflict with Section 4.d of the BP-3-14 Scope of Work. Please clarify the requirements.</p> | 4.d. See revised scope and sheet E600 | R |
| BP3-024 | Addendum #2 | <p>Section 4.f, Existing Generator. 6. What other accessories are required other than the EPO switch in Foyer 1000? We didn't see a Generator Annunciator panel on the plans, did the demo people salvage that do we have to furnish a new one?</p> <p>Section 4.g, Existing Generator. 7. What are the Low Voltage wiring requirements? Please furnish a wiring schematic.</p> <p>Section 6.d Fire Alarm System; 8. There were no Door Hold devices shown on the plans. Please clarify.</p> <p>Section 6.e Fire Alarm System 9. There are no electrical power or control requirements shown on fire doors within the building</p> <p>Section 6.g Fire Alarm System 10. The Fire Alarm Spec section 28 46 00 .3.02-F indicates that the Duct Detectors are to be furnished to the ductwork installer for installation. Please clarify.</p> <p>Section 6.n Fire Alarm System 11. Is the Telephone cabling to be furnished by the Structured Cabling contractor under BP3-19?</p> <p>Section 9 Low Voltage Systems 12. Spec 00220 BP-1 Site Electrical-Section 10.g indicates that it is the Site Electrical contractor is responsible for the Low Voltage underground conduits and stub-ups shown on T002 including the conduit stub-ups into the building. g. Complete all work shown on T002 including hand holes, conduit, concrete encasement, innerduct, pull wire and stub-ups. Please clarify the scope.</p> | <p>4.f.6. and 4.g.7. and 6.d.8 and 6.e.9 Plans indicate an annunciator on sheet E311. Control wiring clarified by addendum but subject to manufacturer's requirements. There are no fire doors within this building at this time.</p> <p>6.g.10 scope has been revised. 6.n.11. no by building electrical as stated in scope. Section 9 low voltage-see revised work scope</p> | R |

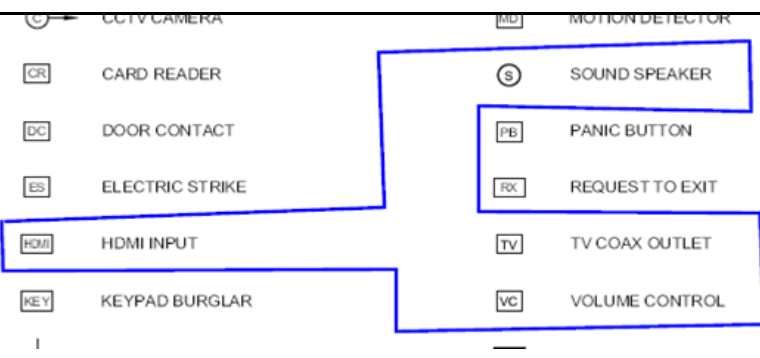
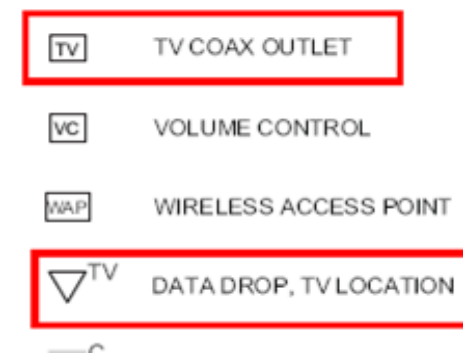
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| BP3-025 | Addendum #2 | <p>Technology Sheet T311; Plan Notes VD-2</p> <p>1. The Legrand Floor Box & Poke Through Catalog numbers are obscured on the plan. Can you verify and then resend the catalog numbers?</p> <p>VD2. PROVIDE FLOOR BOXES AND POKE-THRU ASSEMBLIES WITH THE FOLLOWING MINIMUM COMPONENTS: BASIS OF DESIGN - LEGRAND WIREMOLD</p> <p>FIRST FLOOR: FLOOR BOX FURNITURE FEED #EFBFF-FPFFTCAL FIRST FLOOR: FLOOR BOX DATA FEED #880CS1-818TCAL-828COMTCAL SECOND FLOOR: POKE THRU FURNITURE FEED #RC9AM2TCAL SECOND FLOOR: POKE THRU DATA FEED #RC9CMDTCAL</p> | <p>FIRST FLOOR: FLOOR BOX FURNITURE FEED #EFBFF-FPFFTCAL FIRST FLOOR: FLOOR BOX DATA FEED #880CS1-818TCAL-828COMTCAL SECOND FLOOR: POKE THRU FURNITURE FEED #RC9AM2TCAL SECOND FLOOR: POKE THRU DATA FEED #RC9CMDTCAL</p> | R |
| BP3-026 | Addendum #2 | <p>Technology Sheet T311 Typical Movable Partitions.</p> <p>1. Is it the Electrical Contractor's responsibility typically, to furnish raceways within the movable partitions in Room 1202, or just a Partition Feeder Flex Whip from either a local Wall box, Floor Box, or Poke Through fitting and then a conduit stub up or down into the accessible ceiling space?</p>  | <p>FURNITURE FEED FLOOR BOXES TO BE FED FROM UNDERNEATH WITH A FLEX WHIP INTO FURNITURE. EACH LOCATION ON SOUTH WALL SHALL BE FED FROM CONDUIT STUB UP WALL TO ACCESSIBLE CEILING SPACE.</p> | R |


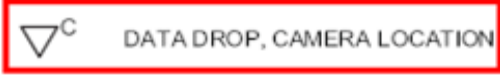
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| BP3-027 | Addendum #2 | <p>Can we expect a Lutron lay-out drawing for this complicated lighting control system?</p> <p>There's no way to discern what devices (i.e.. Wireless, Low Voltage or Line Voltage) that will be provided or how these will need to get wired. There's no device schedule that identifies the control panels or wall/ceiling devices you'll be providing by catalog number. Attached is sample of layout drawings received prior to the bid on another Lutron Quantum project did.</p> <p>We need have something similar, so we'll know what devices you'll be using, where they will be placed and how we are to wire them</p> | <p>Plans indicate design requirements. Lutron is the basis design but the specifications are not proprietary. All field devices are indicated and specified in 26 09 43.03.</p> | R |
| BP3-028 | Addendum #1 | <p>Re; Low Voltage System Raceways, General;</p> <p>1. Structured V/D Cabling, A/V, & Security Access Control, CCTV, Burglar Alarm, Emergency Notification devices, etc., ;</p> <p>Unless you tell us otherwise, we will assume that the Electrical Contractor is to furnish ¾" Conduit Stub-ups for each device to the closest accessible ceiling, and sleeves through walls and floors as shown on the plans, and that we are not responsible for individual drywall sleeves w/ firestopping, J-Hooks through the corridors, cable runways (Cable Tray) and conduit stubs out of the various Control Panels and racks inside the IDF/MDF rooms.</p> <p>2. Unless you tell us otherwise, we will assume that we are to include the IDF/MDF Ground Bars and Grounding Back-Bone from the incoming service only, and that the Structured cabling Contractor will accomplish the IDF/MDF room grounding specified in Spec Section 27 05 26.03- Grounding and Bonding for Communications Systems</p> <p>3. Unless you tell us otherwise, we will assume that all horizontal low voltage cabling within casework, desks and/or low knee walls will be allowed without conduit, and that we will furnish an appropriately sized conduit stub at the nearest wall with a grommited wall box.</p> <p>4. For break-out purposes, unless you tell us otherwise, we will include the outlets shown on T311-T322 (except as outlined below) as part of the Structured Cabling Rough-In.</p> <div><div><div><div>NETPAD BURGLAR</div><div>LED ALARM LIGHT</div><div>DATA DROP</div><div>DATA DROP, "X" INDICATES CABLE QTY</div><div>DATA DROP, WALL LOCATION</div></div><div><div>VOLUME CONTROL</div><div>WIRELESS ACCESS POINT</div><div>DATA DROP, TV LOCATION</div><div>DATA DROP, CAMERA LOCATION</div><div>DATA DROP, FLOOR</div></div></div></div> | <p>1. See T series (for example T312) that shows further detail. 2. yes per work scope.3. No. Please reviews all drawings. Glass dividers wall for example will need to run underground. 4. OK 5. OK</p> | R |

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| BP3-029 | Addendum #2 | <p>Re: LED Alarm Lights; 6. I couldn't find a device that matched this description on the Systems parts lists. Can you tell us what rough-in is required for this device?</p> <p>7. For break-out purposes, unless you tell us otherwise, we will include all of the outlets shown on T411-T422 (except as outlined below) as part of the Audio/Visual Rough-In.</p>  | <p>6. LED alarm lights are Camden #CX-LED1/R/53. Provide a 1900 Box with single gang ring in ceiling.</p> <p>7. OK. See BP3 - Addendum #1.</p> | R |
| BP3-030 | Addendum #1 | <p>Re: HDMI Devices; 8. Is there a special size conduit and back box requirement for each of these?</p> | Assume 1 1/2" | R |
| BP3-031 | Addendum #1 | <p>Re: Audio/Visual Speakers; 9. Unless you tell us otherwise, we will assume that no rough-in is required for the ceiling speakers and that they will be installed by the A/V contractor.</p> | review drawings for clarification | R |
| BP3-032 | Addendum #1 | <p>Re: TV Outlets; 10. The TV outlets on the Structured Cabling Drawings T311-T322 are duplicated on A/V Security Drawings T411-T422. Are these the same devices and should we assume that only one conduit stub is required as shown on T311-T322 or are two stubs required? 11. Per the A/V Contractors Scope of work there may be special backboxes required Can you specify a type to be furnished so we can labor them out properly? Otherwise we will furnish 1G backboxes with 3/4" conduit stubs only, one for Data, and a separate one for A/V. (See the Attachment) 12. Should these Outlets be included as part of the A/V Breakout on the Bid Form?</p>  | 10. Assume 2 11. Provide only what is specified 12. OK | R |

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| BP3-033 | Addendum #2 | <p>Re: Camera/CCTV Outlets; 11. The Camera outlets on the Structured Cabling Drawings T311-T322 are duplicated on Security Drawings T411-T422. Are these the same devices, and should we assume that only one conduit stub is required as shown on T311-T322? 12. Should these stubs be included as part of the Security Breakout on the Bid Form?</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">  </div> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">  </div> | 11. They are the same device. Provide only (1) Conduit Stub. Refer to revised work scope and Bid Forms. 12. OK | R |
| BP3-034 | Addendum #2 | On the bid proposal, I read that toilet compartments are included with toilet accessories. Bid forms show different. Can you specify if toilet compartments are their own package ? | Toilet compartments are not part of carpentry scope and are a separate bid package | R |
| BP3-035 | Addendum #2 | There is no locker spec in the specifications. Can architect include spec with addendum ? | see spec section 064100 | R |
| BP3-036 | Addendum #2 | The fire ext cabinet calls for JL Academy 1027. This is an Aluminum Series FEC. Later in the spec they want the trim to be stainless steel. This is Cosmopolitan series. Which one do they want ? | The finish of cabinet exterior and trim shall be clear aluminum. Stainless steel requirement will be removed by future addendum. | R |
| BP3-037 | Addendum #2 | BP#3 T002 shows the fiber from the new building to sunny side home as part of BP#1 electrical sub. The fiber from the new building to Sunny side home is part of the IT cabling contractors' work on BP#3, not part of BP#1. Please correct this. | BP#1 site electrical should have the temp fiber line only from the existing health clinic to the existing main building. BP#3 structured cable sub will remove this temp fiber provide new during the project. | R |
| BP3-038 | Addendum #2 | folder, BP_3 Volume 1 all attachments, there are qualification forms. On page 2 of the instructions to bidders, it reads, "the owner may request qualification forms". Are these forms required to be completed and turned in with our bids? | Yes. They are required with bid | R |
| BP3-039 | Addendum #2 | I do not see a checklist of forms and documents to be included with our bid, in the instructions to bidders. | Last page of the bid form and also stated on the first and second page of addendum #1 | R |
| BP3-040 | Addendum #2 | I was looking thru the addendum #1 this morning and I do not see a bid form for plumbing. Am I missing it | There was no revised bid form issued in addendum #1. see bidding website for original issued with BP#3 | R |
| BP3-041 | Addendum #2 | We are looking at the Will County bp # 3 & just want to clarify one point at this time. The 10% cashier's check is not a requirement for the subcontractors, correct ? | 10% bid bond or cashiers check is required | R |
| BP3-042 | | Can we provide an Edwards EST fire system for the Will County Health Department. Please advise | | P |
| BP3-043 | Addendum #4 | Per the manufacturer from Honeywell for the Burglar system. The DT7500SN was discontinued and replaced by the DT8050ASN. The spec notated the discontinued the above part which the sub will be utilizing the replacement part. | Technology Consultant Response: This is acceptable. BP #3 - Addendum #4 will address this item. | R |
| BP3-044 | Addendum #3 | Please advise on where we can find the most recent scope and bid forms for each trade | Review all addendums for the most recent scopes and bid forms. If there were not issued for your trade the most recent is located on the building connected site under the volume 1 all attachments folder. This is also stated in the project manual volume 1 under section 00400 and 00220. | R |

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| BP3-045 | Addendum #3 | We are considering bidding the Epoxy scope of work on this project but are troubled by the miscellaneous section of the work scope. We have had this type of obligation for protection on previous projects and it has always ended that we performed repairs without getting paid. It would seem that the only way to protect ourselves is to included two installations not one. | This is the reason that it states in 4. B. last sentence that a “sign off before and after protection is installed to be by both the LCI super and epoxy floor sub” to eliminate repairs without getting paid. | R |
| BP3-046 | Addendum #3 | I am unable to find the Exterior signage portion drawings. I found the internal ADA signage with the drawings and scope of work for the exterior signage but nothing on the exterior signage as far as drawings are concerned. | A700 and A701 show them on the elevations and information is under the keynotes section of those pages | R |
| BP3-047 | Addendum #4 | Within the “Work Scope Plumbing” document, under “Building, Storm, Sewer, Water Section” – Item H. It indicates to provide (2) floor drains in the Server Room. As nothing is indicated on the Plumbing Drawings. What size pipe is required, the pipe routing, floor drain location and Floor Drain type? | This will be revised to be an ADD Alternate on the plumbing bid from and in the scope. There is no drawings for it. The plumber needs to provide a Min of 2” pipe for floor drain with associated venting to meet code. Need to match a specified floor drain within the doc’s. | R |
| BP3-048 | Addendum #4 | HVAC/BAS/TAB Scope (00220.313-6) – states that all BAS wiring shall be in conduit. Is this correct? Local code and other county buildings do not require this. All conduit will add significant cost. | Wiring shall be in conduit in all locations where exposed to view. | R |
| BP3-049 | Addendum #4 | HVAC/BAS/TAB Scope (00220.313-6) – states the BAS shall furnish and ship controls to the AHU mfg, please confirm this does not apply. RTU’s with all factory controls are specified. | Factory mounted controls required by the manufacturer as specified. | R |
| BP3-050 | Addendum #4 | schedule for hard tile, carpet & resilient are unrealistic according to the current schedule. Will there be a final schedule coming out with a reasonable amount of time allotted | This is the schedule. If you need additional labor you are to include in your bid | R |
| BP3-051 | Addendum #4 | The piping and system item 18.c of the scope indicates a requirement for heat trace systems. Please provide a location on the plan sheets where this is installed. | Not required. | R |
| BP3-052 | Addendum #4 | The carpentry scope of work is to include wall protection WP-1. The enlarged finish floor plans A911, A912, A921, A922 do not indicate the location for wall protection WP-1. Please clarify the location for wall protection WP-1. | WP1 Is indicated on revised Sheet A912 and identified in BP#3 - Addendum #4. | R |
| BP3-053 | Addendum #4 | We respectfully submit for your consideration a request to approve products as an accepted substitute on Will County Health Department Building for the Locker/Toilet Partitions. Please find attached to this email the following supporting documentation: Substitution request form. Technical data sheets and MSDS forms for the appropriate product(s), confirming performance as specified | Rejected. Specifications require Diamond pattern Stainless Steel Compartments. | R |
| BP3-054 | Addendum #4 | Who is responsible for the facility Nat Gas Piping? I saw no gas piping on the M plans. This work is always done by the Mech contractor not the plumber | All DI and gas piping is by the HVAC sub as stated in the scope | R |

RFI LOG
Will County Health Department
Bid Package #3 Addendum #4 12/6/18

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|---------|-------------|---|--|---|
| BP3-055 | Addendum #4 | 1) Will drywall be required on the interior of plumbing chase walls where wall type is indicated to be G3e? | Plumbing chases shall be G3z construction. BP#3 - Addendum #4 will clarify on the A300 series floor plans. | R |
| BP3-056 | Addendum #4 | 2) No wall type listed for G1z. Should we assume same make-up as wall type G3z except with 1-5/8" metal studs? | G1z shall be G1m as shown on sheet A1100. BP#3 - Addendum #4 will clarify and the A321 Sheet near door 2143.1 will have Wall Tag updated. | R |
| BP3-057 | Addendum #4 | 3) No wall type listed for G3m. Should we assume same make-up as wall type G1m except with 3-5/8" metal studs? | G3m Shall be G10 as indicated on the A300 Series Drawings for BP #3 - Addendum #4. | R |
| BP3-058 | Addendum #4 | 4) No flange size listed in specs or structural drawings for 2-1/2" , 4" & 6" cold-form metal studs. Please advise. | Flange size as designed by Cold-Formed Metal Framing Designer. See Spec Section 05 40 00; Paragraph 1.05A. No addendum required for this. Also see "Cold Formed Metal Stud Framing" notes on Sheet S011: Notes C4 & C19. | R |
| BP3-059 | Addendum #4 | 5) Will regular top and bottom track be acceptable for wall type GS1 or will the top track need to be slotted deflection track? | Slotted deflection track is required as specified. | R |
| BP3-060 | Addendum #4 | 6) See detail 1/A1001 for typical interior partition to exterior wall intersect. Keynote 9.213 indicated ½" cement board approx. 1-4"wide behind each location but the hatch width appears to be wider than ½". Should this material be roxul insulation or is the intent to run a strip of ½" cement board full height at those locations? | Detail will be revised by BP#3 - Addendum #4. Keynote will be revised to read 7.213 pointing to the roxul insulation. It is roxul tight behind all intersection walls to the outside wall assembly. Typical all outside walls. | R |
| BP3-061 | Addendum #4 | 7) Will the AWI premium grade certification & QCP tracking be waived for this project? | Cabinets shall be constructed to AWI premium grade as specified. The reference to AWI (QCP) program in Spec Section 06 41 00; 1.03B will be removed by BP #3 - Addendum #4. | R |
| BP3-062 | Addendum #4 | Can we provide a Hubbell/Hubbell structured cabling solution for package 3-19? That is what we're installing in the new Will County Court House. | Technology Consultant Response: No. Please refer to specification section 27 15 00.03 Part 2.04.B for a list of acceptable manufacturers. | R |
| BP3-063 | Addendum #4 | The open delta symbols on the T-drawings with ut a 1, 2,3, 4 next to them how many Category-6 cables are required for those | Technology Consultant Response: Correct. An open delta triangle with no numbers represents 1 cable drop. An open delta triangle with a number indicates the required number of cable drops. | R |
| BP3-064 | Addendum #4 | Section 00220.308 scope of work says: "Painting, Wall Covering & Sealed Concrete". However, I do not see any Wall covering on the drawings. Please clarify. | LCI has included WP-1 in the carpentry scope. Kluber to advise if there are any wall coverings except WP-1. Kluber Response: There is only wall protection panels WP1 on this project as specified. The WP1 locations will be clarified by BP #3 - Addendum #4. See sheet A912. WP1 panels are specified in Section 10 26 01.03. | R |

RFI LOG
Will County Health Department
Bid Package #3 Addendum #4 12/6/18

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|---------|-------------|---|--|---|
| BP3-065 | Addendum #4 | A911 finish plan note #16 calls to provide accent paint at one door/window wall within office/consult space. What color would that accent wall be? | Any PTB thru PTG color as scheduled on the A900 series drawings may be used. Actual colors will be determined at a later date. Note specs require three top coats of interior paint plus one coat primer. | R |
| BP3-066 | Addendum #4 | Roof screen panels on 10/A1205 shows about 9" bottom of steel frame posts, do these get painted? | No. Steel supporting roof screen is all galvanized. No painting is required at the post locations. Rubber roof membrane will also wrap up these posts a minimum of 8 inches above the finished roof surface. | R |
| BP3-067 | Addendum #4 | We are bidding the DFH package to the carpenters though I thought? Not to Leopardo directly. Let me know if that is not the case. | Correct all D/F/H, millwork, Toilet Accessories, and lockers do not bid direct to Leopardo but bid direct to the carpenter bidding the job | R |
| BP3-068 | Addendum #4 | The only thing I see on the plans for the fence and gate bid package is a trash enclosure gate and it appears to be in the Misc. Metals scope of work. There is not a bid package for fence only, so we would not be bidding. | The gates for the trash enclosure are by the fence and gate sub per the scope and not by the misc. metals sub. Refer to Specification Section 32 31 34.03 - Louvered Fences & Gates for more information. | R |
| BP3-069 | Addendum #4 | Do you have the work scope sheet and bid form for Bid Package 3-03 ? I cannot find it in any of the original docs or addendums. | The original docs for the scopes and bid forms can be found on the building connected website. Once there click on the folder labeled "BP#3 manual volume 1 attachments". This will then bring you to multiple attachments and folders. If you scroll you will see two folders labeled below where you can find the scopes and bid forms 1. 00220 BP3 work scopes 2. 00400 BP 3 bid forms | R |
| BP3-070 | Addendum #4 | Also, I don't think we made it to the walk through, is there any way to still visit the job site to review? | There was no walk thru. This is a new building and just broke ground 12/3 so nothing to walk. | R |
| BP3-071 | Addendum #4 | Who will be providing the cylinders and keying for this project? Will Oestreich supply the cylinders, provide the keying, or both? | The cylinders shall be provided under the bid package. Any bidder must have the cylinders keyed at the Owner's proprietary locksmith. The bidder will provide the cylinders and pay the locksmith to key them under Base Bid. | R |
| BP3-072 | Addendum #4 | Doors, Frames, and Hardware calls for a new door be provided at the existing Sunny Hill link. What, if anything, should be included for this opening? | No Door is required. The existing door is on the second floor and accesses a skybridge that is being demolished. So no door or frame is required. | R |
| BP3-073 | Addendum #4 | I didn't see any Lab Equipment on this project? That's all we supply so if there isn't any equipment we would not bid- | Only lab hoods which are provided under the lab casework package | R |

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Will County Health Department
Bid Package #3 Addendum #4 12/6/18

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|---------|-------------|--|---|---|
| BP3-074 | Addendum #4 | are there liquidated damages or penalties for falling behind on the schedule | No liquated damages or contractual penalties for falling behind but if you affect other trades or the main schedule you will be subjected to back charges or termination | R |
| BP3-075 | Addendum #4 | Would like to bid lockers but cannot find spec | Locker are a direct bid to the carpentry package 3-06. Spec section is 06 41 00 | R |
| BP3-076 | Addendum #4 | On Bid proposal Form Section 00400-304 Epoxy can you tell me what is Alternate #2? | No alternate required. Was left blank in case anyone want to provide a voluntary. | R |
| BP3-077 | Addendum #4 | Regarding the hardwired panic buttons, will the box and stubs be installed by electricals to each panic button location? | All conduit and boxes are by building electrician for all low voltage systems and building electrical contractor should review ALL drawings and not just the electrical. If there is no way to physically get the conduit all the way to where the panic button is shown on or in the furniture conduit will go as far as possible and then may need to mount and run wire outside of conduit. In cases with the panic alarms where you can't get the conduit and boxes for the panic button to mount in the furniture you will have to run bare wire and mount panic button directly to the furniture. | R |
| BP3-078 | Addendum #4 | Regarding the Elevator Camera: Will this be an analog or an IP camera to integrate into the camera system from the elevator company? | Scope has been revised: A 5MP Dome IP camera and traveling cabling for the elevator cab shall be provided by the security contractor. The elevator company is not providing a camera in the cab they only have requirements as specified to coordinate connectivity with the security contractor. Refer to BP #3 - Addendum 4 drawing revisions. | R |
| BP3-079 | Addendum #4 | The HVAC scope of work for "Ductwork and Air Distribution Systems", item 14i, indicates a requirement for duct cleaning. I find no specification for this work. Please provide more detailed requirements for this item. | See Spec Section: 23 31 00.03; Paragraph 3.03 Cleaning. Also refer to Section 01 57 19; Paragraph 3.01 for additional requirements. | R |
| BP3-080 | Addendum #4 | Also In spec section 090561.03 I would like to bid the Moisture Mitigation to resist Water Vapor Transmission to meet all flooring emissions limits. What bid package would that be? | There is no bid package for moisture mitigation and not included in the scope. | R |
| BP3-081 | Addendum #4 | Awaiting completed door schedule with frame designations, material, glazing, etc. especially for interior glazing. | Kluber Response: See Sheets A811, A812 & A820. Not sure why this is a question? All frames and glass types are scheduled. Are they using the wrong drawings and specs from a previous Bid Package?? | R |
| BP3-082 | Addendum #4 | Please furnish reference borrowed lite schedule. | Kluber Response: See Sheets A811, A812 & A820. Not sure why this is a question? All frames and glass types are scheduled. Are they using the wrong drawings and specs from a previous Bid Package?? | R |
| BP3-083 | Addendum #4 | Please clarify location of X-ray glass? | Kluber Response: There is no X-Ray glass in the door to room 1410. There is no X-Ray glass on this project. | R |

RFI LOG
Will County Health Department
Bid Package #3 Addendum #4 12/6/18

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|---------|-------------|---|--|---|
| BP3-084 | Addendum #4 | Is glazing contractor responsible for pipe wall mounted HR at other locations to match that furnished under spec 057313.02? | Yes | R |
| BP3-085 | Addendum #4 | Will there be additional details for mounting decorative glass at desk/dividers? | See Detail 6/A940 & 8/A941. Also refer to specification section 06 41 00; Paragraph 2.08K for channel specifications. | R |
| BP3-086 | Addendum #4 | Wausau is listed as acceptable in spec section 084413.03 Glazed Aluminum Curtain Wall, however they are not listed in spec section 084313.03 Aluminum Storefronts, can they be added? Work Scope Glazing page 1, item 1.c calls for CW, SF & Entrances be of one manufacturer. We suggest Wausau T14000 for SF framing, an equal to Kawneer 451T. | Wausau will be added as an acceptable manufacturer by BP #3 - Addendum #4 for the Storefront Framing products. | R |
| BP3-087 | Addendum #4 | Work Scope Glazing calls for Chanel set Mirrors, are these the ones included in bathroom accessories item G, spec section 102800.03. Please clarify these are to be include | The channel set mirrors are at the main toilet rooms number 1014, 1016, 2007 & 2009 only. Refer to Sheet A502, Mirror Tag: R. These mirrors are NOT intended to be a Toilet Accessory but a custom cut mirror as Specified in Section 08 83 00 - Mirrors. No addendum item is needed for this clarification. Only Mirros Tagged "G" are intended to be a toilet accessory and those mirrors are located in single user toilet locations and select interior casework elevations. | R |
| BP3-088 | Addendum #4 | For Sign Type N with the Digital Touch Screen, there was no manufacturer called out and it looks like you guys want us to put in 25,000.00 budget for that, correct | Yes. Please also see bid form showing this. | R |
| BP3-089 | Addendum #4 | GENERAL QUESTIONS • TV Coax Locations: Are we just providing the cabling and receptacle only? No displays at this time? • Coax Feed from TV locations back to where? | 1. No displays to be bid. TV Displays will be furnished and installed by Owner. 2. MDF Room 2103 Plywood Backboard as shown in Typical TV Wiring Diagram on Sheet T412. | R |
| BP3-090 | Addendum #4 | Room 1005 A&B • HDMI Inputs in Room: We anticipate signal degradation using premade HDMI cables from room back to Switcher in closet. Please advise. • Projectors: Owner Furnished. Should we assume mounting hardware is as well? If not, what are makes/models of OFE projectors? • Projection System: Projection Screens are not specified/illustrated. Please confirm intent | 1. No displays to be bid. TV Displays will be furnished and installed by Owner. 2. MDF Room 2103 Plywood Backboard as shown in Typical TV Wiring Diagram on Sheet T412. | R |
| BP3-091 | Addendum #4 | we only received bid forms for structured cabling. Nothing for Security or Audio Visual, can someone send those please | See BP RFI 069 above. | R |
| BP3-092 | Addendum #4 | I cannot find the list of alternates in any of the documents I have. Alternate-2 is on the bid form I'm wanting to confirm this alternate has nothing to do with our flooring bid. Could you please confirm? | If no alternate is listed and blank on your bid form there is nothing required and contractor should place a \$0. | R |

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Will County Health Department
Bid Package #3 Addendum #4 12/6/18

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|---------|-------------|---|--|---|
| BP3-093 | Addendum #4 | Can you send the list of the doors/frames/hardware/lockers/ millwork trades sent the bidding link for the carpentry bid package (3-06)? | See attached. This is a public bid so there may be more than listed that LCI Is not aware of. | R |
| BP3-094 | Addendum #4 | Can we just bid A-H, J & M 2nd & 3rd page shown on the carpentry bid form? | No this is a complete furnish and install package | R |
| BP3-095 | Addendum #4 | Is the Technology Contractor responsible for their own conduit stubs for the individual outlets? Looking at the E-drawings it doesn't show the LV devices so I am leaning towards the Technology Contractors are responsible. This was addressed in BP#-028 question #1 and the response says look at T312 but it does delineate who is responsible for it and didn't answer the question. Typically the EC provide all raceway please confirm. | Please review the electrical scope under low voltage section stating "subcontractor has included conduit and raceways (including all floor boxes shown on T series) " All conduit and boxes are by building electrician for all low voltage systems and building electrical contractor should review ALL drawings and not just the electrical. Any other conduit not shown but required for a complete scope will be by Structured Cable, AV or Security subs as stated in their scopes. Structured Cable, AV or Security subs shall furnish and install all cabling and devices for a complete system and provide all termination devices as shown or required. | R |
| BP3-096 | Addendum #4 | There appears to be a Site Utility bid package included in BP#1 (1-04). However site utilities are also detailed in the Plumbing (3-15) scope of work. Is the exterior storm, sanitary, and domestic water site plumbing to be included in the Plumbing (3-15) bid package? | per the scope the water the Site Utilities Subcontractor will bring chlorinated water to a blind flange into sprinkler room including pressure testing, cleaning, and flushing of underground main. The Plumbing Subcontractor should include furnishing and installing water piping from the water main to the building fire riser room and furnishing and installing the backflow preventer with water meter. The Fire Protection Subcontractor will be required to pipe from backflow preventer to fire protection system as required. Coordinate flange and piping requirements with sprinkler subcontractor. For the storm and sanitary the Site Utilities Subcontractor will bring the storm and sanitary lines within 5' of the building foundation walls with cleanout. and the plumbing subcontractor shall pick up and bring into the building. | R |
| BP3-097 | | 2.02 Metal Lab Casework 2. Primary Cabinet Material: Galvanized Steel – JUST WANTED TO CONFIRM That the casework is to be built out of Galvanized as this is not typical. | | P |
| BP3-098 | | 2.02 Metal Lab Casework 18. Removable cabinet bottoms, dished to contain spills. As this is not typically part of the cabinet construction is a POLY TRAY that slides at the bottom of a cabinet acceptable and if so do were do they go? Every base cabinet? Sinks? | | P |
| BP3-099 | | 2.11 Finishes 2. Colors: Preliminary Color selections detailed – There are color selections shown and wanted to confirm that the awarded contractor's Manufacturers standard colors would be selected for the projects final colors? | | P |

RFI LOG
Will County Health Department
Bid Package #3 Addendum #4 12/6/18

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|---------|--|--|--|---|
| BP3-100 | | <p>FUME HOOD SPECS</p> <p>2.02 Variable Air Volume Fume Hoods</p> <p>2. Provide an electronic control unit designed to use input from a sensor that monitors face velocity or sash position to modulate a dedicated exhaust damper in order to maintain a near constant fume hood face velocity</p> <p>This package is typically in the HVAC/BAS/Temp T&B package and wanted to confirm that this should not be in our package. Within the accessories spec 2.07 it appears that this is defined all to be provided and that the FH manufacturer would not have to supply or install</p> | | P |
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Leopardo Companies, Inc.



18-4807

WILL COUNTY HEALTH DEPARTMENT BP3

10523-006- 6: Fire Extinguishers & Cabinets

Lead: Ali Borrelli

Bids Due: Dec 12, 2018 - 1:00pm CST

| Name | Email | Phone | Cell | Status | Bid |
|---|---------------------------------|-----------------------|----------------|--------------------|-----|
| Carney and Company, Inc. | | -- | | Undecided | -- |
| Terri Swan | bidrequests@carneyandco.com | (847) 931-4440 | -- | Invited | |
| Commercial Specialties | | -- | | Bidding | -- |
| Commercial Specialties, Inc. | | (847) 545-9900 | | Bidding | -- |
| Joseph Campobasso | joec@commercialspecialties.com | (847) 545-9900 | -- | Invited | |
| Interior Concepts | | -- | | Undecided | -- |
| Jaime Nachbar | jaime@interiorconceptsinc.net | (847) 677-6800 | -- | Invited | |
| Keane Fire & Safety Equipment Co. Inc. | | (781) 899-6565 | | Not Bidding | -- |
| Jeff Farrar | jfarrar@keanefire.com | (781) 899-6565 | -- | Viewed | |
| Prestige Distribution, Inc. | | -- | | Undecided | -- |
| Adi Klinghofer | adi@prestigedistributioninc.com | (847) 480-7667 | (847) 414-7809 | Invited | |

| | | | | | |
|-------------------------|------------------------------|----------------|----|-----------|----|
| Specialties Direct Inc. | | -- | | Undecided | -- |
| JOAN SMITH | jsmith@specialtiesdirect.com | (630) 323-8100 | -- | Invited | |

Prepared on Dec 6, 2018 - 12:18pm CST



Leopardo Companies, Inc.



18-4807

WILL COUNTY HEALTH DEPARTMENT BP3

08110-005- 0: Metal Doors & Frames

Lead: Ali Borrelli

Bids Due: Dec 12, 2018 - 1:00pm CST

| Name | Email | Phone | Cell | Status | Bid |
|--|-------------------------------|----------------|------|--------------------|-----|
| Alliance Door & Hardware | | -- | | Undecided | -- |
| Daileen Bucki | dbucki@alliancedh.com | (708) 576-4059 | -- | Invited | |
| Dave Carter | dcarter@alliancedh.com | (708) 576-4058 | -- | Invited | |
| Jessica Obrecki | jobrecki@alliancecousa.com | (630) 451-7070 | -- | Viewed | |
| Anderson Lock | | -- | | Undecided | -- |
| Jenna Asta | contractbids@andersonlock.com | (847) 885-3667 | -- | Viewed | |
| Block Iron & Supply Company | | -- | | Bidding | -- |
| Cheryl Hetzel | cherylannah@blockiron.com | (920) 231-8645 | -- | Invited | |
| austin borgardt | estimating@blockiron.com | (920) 231-8645 | -- | Viewed | |
| Chicago Builders Supply Inc. | | -- | | Not Bidding | -- |
| Marc Lubert | marc.cbsi@gmail.com | (773) 395-3331 | -- | Viewed | |

| | | | | | |
|------------------------------------|------------------------|-----------------------|----------------|------------------|-----------|
| Illini Hardware Corporation | | (312) 445-8756 | | Undecided | -- |
| Elisa Ortiz | elisao@goihc.com | (847) 562-5999 | -- | Invited | |
| Peter Klugiewicz | petek@goihc.com | (702) 759-6116 | -- | Viewed | |
| LaForce, Inc. | | -- | | Bidding | -- |
| Cyndi Dorner | cdorner@laforceinc.com | -- | -- | Viewed | |
| Judi Schneider | jas@laforceinc.com | (920) 490-2365 | -- | Viewed | |
| Judi Schneider | cld@laforceinc.com | (800) 672-6795 x2365 | -- | Viewed | |
| Kathy Morrison | ksm@laforceinc.com | (847) 239-3825 | (847) 239-3825 | Invited | |

Prepared on Dec 6, 2018 - 12:28pm CST



Leopardo Companies, Inc.



18-4807

WILL COUNTY HEALTH DEPARTMENT BP3

06400-004- 0: Millwork

Lead: Ali Borrelli

Bids Due: Dec 12, 2018 - 1:00pm CST

| Name | Email | Phone | Cell | Status | Bid |
|--------------------------------|---------------------------|----------------|----------------|--------------------|-----|
| 555 Design | | -- | | Not Bidding | -- |
| Jeffery Jones | jjones@555.com | (773) 869-0555 | -- | Invited | |
| Ameriscan Designs, Inc. | | -- | | Not Bidding | -- |
| Sarah Maynes | info@ameriscandesigns.com | (773) 542-1291 | -- | Viewed | |
| Cain Millwork Inc. | | -- | | Undecided | -- |
| Joe Sebek | jrsebek@cainmillwork.com | (815) 561-9700 | (847) 878-2935 | Invited | |
| Charles Horn Lumber Co. | | -- | | Undecided | -- |
| Jason Horn | jason.horn@hornlumber.com | (773) 972-2031 | -- | Invited | |
| Gerali Custom Design | | -- | | Undecided | -- |
| Josh Smith | jsmith@geralidesign.com | -- | -- | Invited | |
| Sarah Maynes | smaynes@geralidesign.com | (847) 760-0585 | -- | Invited | |

| | | | | | |
|---|-----------------------------------|-----------------------|----------------|--------------------|-----------|
| Imperial Woodworking Company | | (847) 358-6920 | | Not Bidding | -- |
| Jim Hutchinson | jimh@imperialwoodworking.com | (847) 358-6920 | (847) 878-3811 | Invited | |
| Paul Garvin | paul@imperialwoodworking.com | (847) 241-1051 | -- | Invited | |
| Inter Ocean Cabinet Company | | -- | | Undecided | -- |
| Chris Farrell | chrisf@interoceancabinet.com | (630) 930-5770 | (312) 286-5136 | Invited | |
| Kohout Woodwork, Inc. | | -- | | Undecided | -- |
| Steve Kohout | steve@kwicorp.com | (630) 628-6257 | -- | Invited | |
| Lange Bros Woodwork Company Inc. | | -- | | Undecided | -- |
| David Froberg | davidf@langebros.com | (715) 330-4374 | -- | Invited | |
| Onsite Woodwork Corporation | | -- | | Not Bidding | -- |
| dave sorenson | davers@osw.io | (770) 948-5550 | -- | Invited | |
| Parenti & Raffaelli Ltd | | (847) 253-5550 | | Not Bidding | -- |
| Jeff Klinger | jeffk@parentiwoodwork.com | (847) 253-5550 | -- | Viewed | |
| Phoenix Woodworking Corporation | | -- | | Undecided | -- |
| Glen Coisman | gcoisman@phoenixwoodworking.com | (847) 741-8352 | -- | Viewed | |
| The Horizon Group Inc | | -- | | Undecided | -- |
| Brian Hedburg | bhedburg@thehorizongroupinc.com | (563) 391-1891 | (888) 715-0419 | Invited | |
| Estimating Department | estimating@thehorizongroupinc.com | (563) 391-1891 | -- | Invited | |
| James Pitzen | jpitzen@thehorizongroupinc.com | -- | -- | Viewed | |
| Wm. Huber Cabinet Works. | | (773) 235-7660 | | Not Bidding | -- |
| -- | estimating@hubercabinet.com | -- | -- | Invited | |
| William Huber | william@hubercabinet.com | (773) 235-7660 | (847) 373-2370 | Invited | |

Prepared on Dec 6, 2018 - 10:58am CST



Leopardo Companies, Inc.



18-4807

WILL COUNTY HEALTH DEPARTMENT BP3

10800-016- 7: Toilet Accessories

Lead: Ali Borrelli

Bids Due: Dec 12, 2018 - 1:00pm CST

| Name | Email | Phone | Cell | Status | Bid |
|-------------------------------------|------------------------------------|-----------------------|----------------|------------------|-----|
| Carney and Company, Inc. | | -- | | Undecided | -- |
| Terri Swan | bidrequests@carneyandco.com | (847) 931-4440 | -- | Viewed | |
| Commercial Specialties, Inc. | | (847) 545-9900 | | Bidding | -- |
| Joseph Campobasso | joec@commercialspecialties.com | (847) 545-9900 | -- | Invited | |
| Larry Burzynski | larryb@commercialspecialties.com | (847) 545-9900 | -- | Viewed | |
| Division 10 Sales | | (704) 644-5913 | | Undecided | -- |
| George Newhook | gnewhook@division10sales.com | (704) 644-5913 | -- | Invited | |
| Prestige Distribution, Inc. | | -- | | Undecided | -- |
| David Seres | dseres@prestigedistributioninc.com | (847) 480-7667 | -- | Invited | |
| Steve Dattilo | steve@prestigedistributioninc.com | (847) 480-7667 x9314 | (847) 331-2913 | Viewed | |
| Specialties Direct Inc. | | -- | | Undecided | -- |
| Dave Mcdaniel | dmcdaniel@specialtiesdirect.com | (630) 323-8100 | (630) 323-8282 | Invited | |

Prepared on Dec 6, 2018 - 12:17pm CST

SECTION 00220.315
WORK SCOPE PLUMBING

The Scope of Work includes all labor, material, tools, equipment, scaffolding, hoisting, supervision and engineering as required to complete the **Plumbing** Scope of Work in accordance with the Contract Documents and enumerated below:

Subcontractor understands the Contract Documents are scope documents that indicate the general scope of the project which may not indicate or describe all the work required for the full performance and completion of their work. Subcontractor includes all items reasonably inferable to complete their scope of work whether or not indicated on the Contract Documents.

TRADE SPECIFIC-PLUMBING

1. See "General Work Scope" for General Requirement, applicable to all bid packages
2. General – Trade Specific:
 - a) Layout for this Subcontractor's work. Provide all engineering and layout as required for the completion of your work. Initial bench marks and property corners will be provided by LCI. All other layout for building corners, pads and site improvements are included herein under this scope of work.
 - b) All work under this scope shall comply with proper trade jurisdictions, even if it is necessary to assemble composite crews or subcontract to appropriate trades.
 - c) Coring of reinforced concrete slab or concrete fill on metal deck floors, if required due to missing mechanical coordination or due to Subcontractor's preference, shall be at no additional cost to the Subcontract amount. Coordinate all fields coring with the Construction Manager and Concrete Subcontractor. Cover and protect all openings left in the floor for passage of this Subcontract's work. Provide scanning as needed if coring through reinforced concrete slab and metal deck.
 - d) Provide all required flashing and sealing at those areas where the plumbing piping passes through roofed, waterproofed, and/or damp proofed walls, floors and roofs.
 - e) Seal all piping penetrations through perimeter foundation walls as required to ensure a waterproofed installation. Include lead/metal flashing required at all roof drains. Subcontractor shall coordinate all arrangements for sealing and waterproofing of such areas with the Roofing and Waterproofing Subcontractors to ensure a watertight installation and maintain all roofing and / or waterproofing warranties. Subcontractor has included all silicone based waterproof fire stopping at all through floor penetrations.
 - f) Subcontractor has included furnishing and supplying all lifts, cranes, excavation, scaffolding, Dunnage, etc. for setting of subcontractor's equipment and installing materials and equipment as required for a complete plumbing system.
 - g) Furnish and install all Plumbing work as outlined in the Contract Documents. This "Definition of Work" list is for clarification only and does not relieve the Subcontractor from accomplishing all the Plumbing work complete for the Project which is the intent of this Contract, unless items of work are specifically and expressly excluded below. Provide all labor, materials and equipment necessary to provide a complete, operable plumbing system for the building interior and site with completed connections to the City sewer and water mains, per the Contract Documents and as indicated in this subcontract. Plumbing Work shall include domestic water systems, waste/vent systems, storm/roof drainage systems; all equipment, structures and accessories for domestic water systems, waste/vent systems, storm/roof systems; and site sewer and water work.
 - h) Minor items and accessories or devices reasonably inferable or necessary to the complete and proper operation of any system shall be provided for such systems, whether or not they are specifically called for by the Contract Documents.
 - i) When requirements cited in the Specifications conflict with each other or with other Contract Documents, the most stringent shall govern work.
 - j) Subcontractor has reviewed the Contract Documents and provides for a complete scope of work as required or inferred from the scope defined in the Contract Documents and requirements of all governing authorities.
 - k) Include receiving of owner/owner vendors' equipment / parts (sign off), coordination, installation

- (as applicable) testing and providing complete working system.
- l) All work indicated on all drawings indicating plumbing shall be included in this contract without exception.
 - m) Furnish and install all plumbing fixture schedules as indicated with the exception of integral fixtures to the laboratory casework.
 - n) Furnish and install all safety showers and eye wash stations as depicted on drawings. Refer to the lab casework/equipment drawings for coordination of locations and quantities with the plumbing drawings.
 - o) Provide all plumbing connections to lab equipment/casework as depicted on the approved lab casework shop drawings. All lab casework integrated plumbing fixtures will be by the lab casework supplier and installed by the plumbing subcontractor.
 - p) Provide a complete installation to owner provided autoclave and dishwashers. Refer to owner provided cutsheets for complete coordination.
 - q) Furnish and install water softeners
 - r) Furnish and install electric water coolers.
 - s) Install owner provided lab equipment shown on lab equipment schedule. Installation includes unloading, placement, and power connection to device.

SEISMIC REQUIREMENTS

- 1. Meet or exceed all requirements necessary to comply with seismic codes for work as specified see sheet S010 for seismic criteria and include all engineering and code verification required.

Trenching & Excavation

- 3. Provide the following for trenching and excavation to complete your work.
 - a) Provide hand excavation/compaction wherever machine excavation/compaction is not possible.
 - b) Provide hand excavation when working in close proximity to existing site utilities.
 - c) Provide compacted granular backfill under all improved, paved areas
 - d) Contact JULIE or other site utility location company prior to commencing work.
 - e) Temporarily support embankments and provide trench boxes as required.
 - f) All excess spoils to remain onsite and placed at location per direction of LCI superintendent. Final placement by Earthwork subcontractor.
 - g) Include stoning of curbs for ramps to prevent cracking from moving equipment around associated with their work. Subcontractor includes plating over site utility trenches to provide protection for crane/truck traffic as required. Any damage done to curbs/roads/site utilities as a result of this subcontractors work will be repaired at this subcontractor's expense.
 - h) Provide as-built drawings of underground, in-wall and overhead piping installed by this subcontractor.
 - i) Include all clean backfill as required per the contract documents, and Authorities having jurisdiction.
 - j) Include all OSHA required excavation safety items as required to complete specified work per the terms and conditions of the contract documents.
 - k) Restore all roads and erosion control as-is condition. Site evaluation will be conducted with the subcontractor and CM Superintendent prior to start of work. A site walk thru will also be conducted after work is completed. All deficient items shall be corrected within 48 hours of final walk thru.
 - l) Include dust control associated with their work including but not limited to providing water trucks if necessary.
 - m) Include the cleaning of public roadways including but not limited to street sweeping for their work as required.
 - n) Provide all minor pumping / dewatering of all rain and/or ground water seepage as required for the timely progress and completion of the Work. Minor pumping is defined as using pumping equipment, which does not require a standby operating engineer. Pumps provided at 2" or smaller.
 - o) Upon completion of all underground building plumbing work, bring all subgrades of excavated areas to the elevation as required on the drawings to plus or minus 1", averaging zero.

Site Utilities Storm, Sewer and Water

4. Site Utilities Storm, Sewer and Water Plumbing work includes, but is not limited to the following:
- a) Site utility subcontractor to provide domestic water and fire protection mains to the sprinkler and water meter rooms as shown. Plumbing Subcontractor is responsible to field verify depth and location of existing water main stubs and provide any additional piping or accessories necessary to complete the system.
 - b) Provide domestic water and sprinkler protection connection to mains as located in the contract documents
 - c) Site Utilities Subcontractor will bring chlorinated water to a blind flange into sprinkler room including pressure testing, cleaning, and flushing of underground main.
 - d) Site Utilities Subcontractor includes bringing the storm and sanitary lines to within 5' of the building foundation walls with cleanout. Plumbing subcontractor shall pick up and bring into the building.
 - e) Plumbing Subcontractor has included furnishing and installing water piping from water main to the building fire riser room and furnishing and installing backflow preventer with water meter. The Fire Protection Subcontractor will be required to pipe from backflow preventer to fire protection system as required. Coordinate flange and piping requirements with sprinkler subcontractor.
 - f) Fire Protection Subcontractor shall furnish the RPZ for fire protection system and Plumbing Subcontractor shall install.

Building Storm, Sewer, and Water

5. Building Storm, Sewer, and Water Plumbing work includes, but is not limited to the following:
- a) Provide complete sanitary drainage, storm drainage, and domestic hot and cold water distribution and insulation systems. Provide all building storm, sanitary and kitchen system piping. Provide taps / tie-ins to the site storm, sanitary and water systems. Water system piping from house side of meter shall be by Plumbing Subcontractor.
 - b) Provide piping material as specified in the design specifications.
 - c) Provide all roof, floor, and open hub drains as shown in the contract documents. Expedite the final connection to all roof drains so that they may be utilized to control rainwater during construction, or provide temporary rain water conductor system if permanent system is not available.
 - d) Provide all building waste, vent, water and storm piping systems, including all valves, clean-outs, and other accessories as required for a complete installation. Floor clean-out access boxes, frames and covers are included.
 - e) Furnish and install all downspout connectors.
 - f) Provide all make-up water supplies and other piping, including all valves, floor drains, trap primers open hub drains, condensate drains, etc., as required for the cooling tower, chillers, mechanical system boilers and any other mechanical equipment as shown on the Contract Documents. Subcontractor shall provide make-up water piping to with-in five feet of all HVAC equipment as indicated or required.
 - g) Provide floor drain in room 1219 for DI water skid
 - h) Provide (2) floor drains in server room **as in ADD alternate located on the bid form. There are no drawings for it. The plumber needs to provide a Min of 2" pipe for floor drain with associated venting to meet code. Need to match a specified floor drain within the doc's.**
 - i) Provide all sewer and storm system items as indicated in the contract documents (i.e. grease separators, separator structures oil basins, ejector pits, sump pits and as indicated or required, shall be provided by this subcontractor including the manhole frames, covers, and clean-outs for these structures. Piping and connection to the building and site plumbing systems is included. Provide the miscellaneous iron support for the referenced elements including all necessary design work.
 - j) Provide and install acid waste pipe as indicated in the contract documents.
 - k) Provide all trench drains as required. Include all piping, frames, covers / grates, plugs, trench drain outlets, etc. as indicated or required and final connections to the site utilities as required for a complete installation. All concrete work shall be by the Concrete Subcontractor. Subcontractor includes coordination for a proper installation.

- l) Provide a complete insulation system for all plumbing piping work as required in the Contract Documents, including all protectors, insulation for all fittings, roof heads, horizontals, valves, flanges and all other related items as required.
- m) Furnish and install all service sinks, water closets, water heaters, lavatories, bathtubs, showers, basins, faucets, ~~penal~~ fixtures, eye wash stations and all other plumbing fixtures as specified or shown. Fixtures are to be furnished in the finish specified by the Architect/Engineer.
- n) Subcontractor shall provide all caulk including fire and sound designated with STC ratings—Seal at faucet fixtures, toilets and the shower bases etc. for a complete system.
- o) Provide all water distribution including all frost-proof hose bibs, sill cocks, hose stations, ice-maker valve boxes, laundry gray boxes, with approved backflow preventer, including all required piping, valves, vacuum breakers, insulation, etc. as required to provide a complete water distribution system. Hose bibs shall be drainable where required.
- p) Provide sump pumps, ejector pits, recirculation pumps, and water booster pumps, sump pits, including any necessary basins, storage and expansion tanks as indicated or required in the Contract Documents. Provide raceway per sheet P410 detail 5 and extend cabling if required
- q) Provide a complete system for elevator pit drainage per the Contract Document or as required per governing authorities. Subcontractor includes a submersible sump pump for elevator pit.
- r) Provide wet stacks, including waste lines, vent lines and valved cold water supply as indicated or required in the Contract Documents.
- s) Furnish and install keyed stops for all water stops.
- t) Provide pipe insulation on all exposed piping under sink as required by code and as specified in the contract documents.
- u) Provide all miscellaneous iron supports that shall be required for the proper support and installation of plumbing piping systems.
- v) Provide a complete piping and valve identification system, including valve tags, charts and markers.
- w) Furnish and install all building water meters
- x) Provide testing of water system piping on every floor at half floor increments and as coordinated with the Construction Manager.
- y) Provide all mop basins as required by code and as specified in the contract documents.
- z) Subcontractor shall provide water feeds and connection to all AHU's, split system units and all other mechanical units requiring water for humidification.
- aa) Subcontractor shall furnish and install all pipe insulation as specified. This includes horizontal and vertical downspout piping
- bb) Provide all sleeves and reinforcing required for penetrations that are necessary for the completion of Subcontractor's work. It is intended that Subcontractor shall set sleeves before a deck is poured. Where sleeves are not set in a timely manner, Subcontractor shall core all required holes in the deck, provide reinforcements as required and set sleeves at no increase to the Contract amount. Prior to any coring, however, submit for Architect approval a sketch indicating the exact location of the proposed cores or sleeves. All field coring locations must be reviewed and approved by the Architect / Engineer prior to the work proceeding. Provide any mountings or supports necessary for Subcontractor's work.
- cc) Furnish and install schedule 40 pipe, Hilti firestop/water-stop or equal, sleeves if nothing is specified for all through slab penetrations. Each sleeve shall extend past the slab by 2”.
- dd) Provide ~~Lead~~ Flashing of all roof drains and vent piping. Coordinate with roofer.

Temporary Work

- 6. Provide, maintain and remove the following Temporary Construction
 - a) Include all temporary requirements as specified in the project manual and throughout the bid documents. These items below specifically add, delete or clarify temporary requirements for plumbing during the duration of the project.
 - b) Furnish and install temporary construction water supply system with multiple valved outlets on all of the floors. The temporary water supply system shall be sized to meet the water requirements of the, Masonry, Drywall, and Painting Subcontractors and all other "wet" trades. Provide for a

- temporary water pump suitable for the above purposes if it is required.
- c) Please see project manual Volume 1 for temporary water required.
 - d) Provide 1-1/2" minimum, valved water supply at the ground floor and second floor with governing authorities' pressure. for use by the Masonry Subcontractor.
 - e) Maintain the temporary water/pumping system throughout the course of the project and provide all standby labor to ensure the availability of all temporary systems during normal working hours, including start-up and shutdown premium time (maximum one hour for each occurrence). Insulate the temporary systems needed for winter construction; heat tracing and etc. Provide valves and drain downs on all temporary systems during the winter months as required to prevent freeze-ups. When weather permits the temporary water system will again be made available, if required by other trades, to properly complete the work.
 - f) All temporary work will be installed in such a manner so as not to interfere with the permanent construction. If interference does occur, Subcontractor will make all modifications required to overcome this interference at no additional cost to the Construction Manager.
 - g) Include the removal of all temporary work at the end of the project and refurbishment of permanent systems, as directed by the Construction Manager.
 - h) Temporary connection of down spouts if required (spill into drain inside or outside of building capable of handling normal storm volume).

MISCELLANEOUS

7. Furnish and install the following miscellaneous items:

- a) Extended warranties on all pieces of plumbing equipment, including those used temporarily during construction, so that all warranties for equipment supplied by Subcontractor begin on the date of first final acceptance by the Owner and extend through the full term of the warranty. Prior to turnover, permanent systems, which have been utilized, must be cleaned and/or refurbished to a "like new" state as required to maintain the manufacturer's warranties.
- b) Furnish all required access panels. This Subcontractor shall locate/layout on coordinated drawings.
- c) Provide metal troughs and drip pans for plumbing piping, complete with all accessories, in mechanical spaces including elevator machine and electrical rooms, to avoid potential water contact with electrical equipment, motors, motor control centers, electrical switchgear, elevator equipment, etc., in accordance with applicable governing codes.
- d) Provide metal trough above ceiling in elevator machine room
- e) Provide drain down and filling of systems for all tie-ins as required for the completion of Subcontractor's work.
- f) Furnish and install all wiring for circulating pumps, and emergency eye wash station alarm. The electrical subcontractor will only be responsible to hook up line voltage power to each pump and the controller if required. Coordinate with electrical subcontractor prior to installation.
- g) Furnish and install all gas fired domestic water heater flues and fresh air intake piping as required for a complete operational system. Provide roof curbs for all vent and fresh intake piping through roof. Coordinate size and location with roofing subcontractor.
- h) Include supplemental steel beyond what is shown on the structural and architectural drawings as needed to support plumbing installations. Provide all sump pans for roof drain as required.
- i) Compliance with LCI's Mechanical Project Delivery Plan.
- j) Commissioning Requirements as noted in the specifications and per the Commissioning Agent's (Farnsworth Group) Professional Building Commissioning Services Agreement included in the bidding documents.
- k) Provide all lead sheathing around all junction box, wire trough and all other MEP's where lead sheathing is shown

EXCLUSIONS

- a) All Natural Gas and DI water piping. This will be provided by the HVAC subcontractor.
- b) Sinks, faucets, and fixtures denoted as the laboratory casework.

END OF SECTION 00220.315

**SECTION 00400.315
BID PROPOSAL FORM – 3-15 – Plumbing**

ISSUE DATE: 11/20/2018
BID DUE DATE: 12/12/2018 1:00 PM

PROJECT: Will County Health Department
501 Ella Avenue
Joliet, Illinois

Attn: Leopardo Companies
Nicole McElroy
NMMcElroy@leopardo.com
Senior Project Manager
5200 Prairie Stone Parkway
Hoffman Estates, Illinois 60192

CONSTRUCTION
MANAGER: LEOPARDO COMPANIES, INC.

ARCHITECT: Kluber Architects + Engineers

FROM: _____

Name of Bidder: _____

Business Address: _____

Phone Number: _____

Bidder, in compliance with the Invitation to Bid for construction contemplated for Bid Package **No. 3 MEP/Finishes/Carpentry/Glazing** having carefully examined the Bidding Documents and the site of the proposed Project and the conditions affecting the proposed Work in the Bid Category(ies) including the condition of the Project site, any surface or subsurface obstruction, the actual levels, all excavating, filling in, removal and demolition, measurements and quantities involved in the Work, the availability of labor, materials and equipment, and the weather conditions that may possibly may be experienced in the Project vicinity, proposes to furnish all labor, materials, tools, equipment, machinery, equipment rental, transportation, superintendence, and services as are necessary to perform all Work in the Bid Category(ies) stated in accordance with the Contract Documents for the Base Bid and Alternate amounts stated below.

If identified as one of the apparent lowest bidder(s) for a Bid Category Bidder agrees to meet immediately with the Leopardo Companies Inc. and shall submit post bid information as described in Section 00200 Instructions to Bidders.

Bidder, if awarded a contract, agrees to: (1) execute the Agreement within fifteen (15) days of receiving notice of the award; (2) provide performance/payment bonds and insurance certificates in full compliance with the Contract Documents, (3) submit the Project Safety Program as described in Section 00200 Instructions to Bidders; (4) commence Work upon execution of the Agreement or at such other time as directed in the notice of award, and (5) to complete its Work in accordance with the Contract Documents and within the milestone activity dates and durations set forth in the Bidding Documents and subsequent construction project master schedule established by Leopardo Companies Inc.

BASE BID: Bidder agrees to perform all Work for Bid Category(ies) as described in the Contract Documents, for the Base Bid(s) stated below. The cost of performance and payment bonds shall be considered as an ADD Alternate. For each Bid Category to be bid, include the Base Bid, written and in figures, the cost of the payment & performance bond which is included in the base bid, written in figures, and the bid category and description.

(Show amounts in both words and figures. In case of discrepancy, amount shown in words will govern).

1. TOTAL BASE BID
Bid Category No. 3-15 Plumbing

| <u>BID CATEGORY</u> | <u>WRITTEN DESCRIPTION/AMOUNT(S)</u> | <u>BID AMOUNT IN FIGURES</u> |
|--|--------------------------------------|----------------------------------|
| Combined Total Base Bid (including allowances): | | |
| A. Material | _____ | \$ _____ |
| | DOLLARS | |
| B. Labor | _____ | \$ _____ |
| | DOLLARS | |
| <hr/> | | |
| TOTAL PROJECT COSTS | _____ | \$ _____ |
| | DOLLARS | |

2. SCHEDULE OF VALUES: Bid Breakdown (Sum Must Match Above Total Including Allowances)

| | | |
|-------------------------------------|--------------|----------|
| A. Shop Drawings/Submittals | _____ | \$ _____ |
| | DOLLARS | |
| B. Allowances (See Below for Total) | Ten Thousand | \$10,000 |
| | DOLLARS | |
| C. Storm Piping | _____ | \$ _____ |
| | DOLLARS | |
| D. Sanitary Piping | _____ | \$ _____ |
| | DOLLARS | |
| E. Standard Fixtures | _____ | \$ _____ |
| | DOLLARS | |
| F. Lab Fixtures | _____ | \$ _____ |
| | DOLLARS | |
| G. Caulking | _____ | \$ _____ |
| | DOLLARS | |
| H. Excavation | _____ | \$ _____ |
| | DOLLARS | |
| I. PlanGrid/Pull Planning | _____ | \$ _____ |
| | DOLLARS | |

| | | |
|-----------------------------------|---------|----------|
| J. BIM Coordination per Vol. 1 | _____ | \$ _____ |
| | DOLLARS | |
| K. Any work not listed | _____ | \$ _____ |
| | DOLLARS | |

ALLOWANCES (INCLUDED IN BASE BID)

ALLOWANCES: The subcontractor expressly understands that the allowances listed below are included in the above Project Cost and are to be used for the work to be performed over and above the Scope of Work and the Contract Documents. Draws against these allowances will only be permitted with prior authorization from the Construction Manager's on site Project Manager.

| | | |
|--|---------------------|-----------------|
| Allowance #1: Miscellaneous Plumbing Work | Ten Thousand | \$10,000 |
| | DOLLARS | |
| TOTAL ALLOWANCES | Ten Thousand | \$10,000 |
| | DOLLARS | |

ALTERNATES

ALTERNATES: The following Alternate(s) are requested be offered by the respective Bidders. In the event the Alternate is accepted, Bidder agrees to perform all Work necessary to complete the Work as modified by the Alternate in full accordance with the Contract Documents, for the following add or deduct from the Base Bid as indicated: (Show amount(s) in both words and figures for Alternates. In case of discrepancy, amount shown in words will govern.)

| <u>ALTERNATE DESCRIPTION</u> | <u>WRITTEN DESCRIPTION/AMOUNT(S)</u> | <u>ALLOWANCE FIGURES</u> |
|---|--------------------------------------|------------------------------|
| Alternate #1: Performance/Payment Bond | _____ | \$ _____ |
| ADD | DOLLARS | |
| Alternate #2: Provide (2) floor drains in the Server Room. There are no drawings for it. The plumber needs to provide a Min of 2" pipe for floor drain with associated venting to meet code. Need to match a specified floor drain within the doc's. | _____ | |
| ADD | DOLLARS | |
| Alternate #3: | _____ | \$ _____ |
| ADD/DEDUCT | DOLLARS | |

VOLUNTARY ALTERNATES: The following Alternate(s) to Base Bid(s) are voluntary to be offered by the respective Bidders. In the event the Voluntary Alternate is accepted, Bidder agrees to perform all Work necessary to complete the Work as modified by the Voluntary Alternate in full accordance with the Contract Documents, for the following add or deduct from the Base Bid as indicated: (show amounts in both written words and numeric figures for Alternates. In case of discrepancy, amount shown in written words shall govern). Bidder is required to submit sufficient detailed information

to fully describe each voluntary Alternate(s) on a separate sheet(s) attached to this Bid Proposal form. Bidders are encouraged to provide voluntary alternates that provide additional value or savings to the Village.

UNIT PRICES: The following Unit Prices to Base Bid Categories are required to be offered by the respective Bidders. Bidder agrees that the following amounts will be used in determining contract changes from the Base Bid for authorized Changes in the Work. Bidder shall not include these unit costs in the Base Bid amount(s). All unit prices shall include Bidder's mark-up for overhead and profit.

| | YES | NO |
|--|-----|------|
| 1. Engineering services provided in-house | | |
| 2. Furnish and Install Sewage Ejector (if needed) | \$ | /EA |
| 3. Furnish and Install Shower | \$ | / EA |
| 4. Furnish and Install Electric Water Cooler | \$ | / EA |
| 5. Furnish and Install Hot Water Heater | \$ | / EA |
| 6. Furnish and Install Toilet | \$ | / EA |
| 7. Furnish and Install Sink | \$ | / EA |
| 8. Furnish and Install Faucet | \$ | / EA |
| 9. Furnish and Install ½" Copper | \$ | /LF |
| 10. Furnish and Install 1" Copper | \$ | / LF |
| 11. Furnish and Install 1 ½" Copper | \$ | / LF |
| 12. Furnish and Install 2" Copper | \$ | / LF |
| 13. Furnish and Install 2" Drain Piping | \$ | / LF |
| 14. Furnish and Install 4" Drain Piping | \$ | / LF |
| 15. Furnish and Install Floor Drain without Piping | \$ | /EA |
| 16. Furnished Access Doors (Installed by Others) | \$ | /EA |

QUANTITIES: Bidders are required to submit the following quantities. Quantities will be used for the purpose of evaluating bids. Subcontractors will be responsible to provide the appropriate amount of material(s) necessary to complete the work regardless of the quantities listed below.

| | |
|------------------------|----|
| 1. ½" Copper Installed | LF |
|------------------------|----|

| | | |
|-----|--|-------|
| 2. | 1" Copper Installed | LF |
| 3. | 1 1/2" Copper Installed | LF |
| 4. | 2" Copper Installed | LF |
| 5. | 2" Drain Piping Installed | LF |
| 6. | 4" Drain Piping Installed | LF |
| 7. | All Spoils to Remain On-Site | CY |
| 8. | Number of Floor Drains Installed | TOTAL |
| 9. | Number of Furnished Access Doors (Installed by Others) | TOTAL |
| 10. | Number of Water Heater Installed | TOTAL |
| 11. | Labor Hours | HRS |
| 11. | Furnished Access Doors (Installed by Others) | EA |

PLEASE NOTE: ALL BLANKS MUST BE FILLED IN OR YOU MAY BE DEEMED NON-RESPONSIVE

LABOR & MACHINE RATES (Attach a Schedule of Equipment and Labor):

Labor/Equipment Rates: The bidder shall provide as a part of his proposal straight time and premium time labor rates for all classifications of trades people and equipment involved with the performance of the work required by this Bid Category. Rates are to include all payroll taxes, insurance fringes, overhead, and profit etc. for a complete unit price and shall remain valid for the term of the contract. Rates are to be composite rates showing the cost for each of the components making up the hourly rate items

As of the date of submission of the Bid Proposal, Bidder's worker's compensation Experience Modification Rate (EMR) for the state in which the Work is to be performed is _____.

As of the date of submission of the Bid Proposal, Erector (if erector is to sub-tier subcontractor to Bidder) compensation Experience Modification Rate (EMR) for the state in which the Work is to be performed is _____.

Bidder understands that the Owner /Leopardo Companies Inc. reserve the right to reject any or all Bid Proposals and to waive any informalities or irregularities therein.

Bidder acknowledges receipt of the following Addenda (identify no. and date of each): _____

Bidder accepts the provisions of the Bidding and Contract Documents and certifies that this Bid Proposal is submitted in good faith and without collusion with any other person or entity submitting a Bid Proposal for the Work. [If Bidder is required to be licensed in the state where the work is performed add "Bidder certifies that it meets all licensing requirements of the state in which work is to be performed, its current license number and classification are as follows: _____"] Bidder hereby affixes its authorized signature(s) representing (check one):

☐ An individual doing business as _____
☐ A partnership _____
☐ A limited liability company, organized in _____ (enter state)
☐ A corporation, organized in _____ (enter state)
☐ Joint venture formed between _____ and _____

(Signature from authorized representatives of each partner are required)

Signature(s): _____

Title: _____

Name of firm: _____

Business address: _____

Telephone no.: () _____

ATTACHMENTS (REQUIRED):

☐ Bid Bond or Cashier's Check (10% of Base Bid)
☐ Labor & Machine Rate Sheet (use subcontractor's own form)
☐ Subcontractor Qualification Form (Section 00440 in Project Manual Vol.1)
☐ Signed Copy Prime Contractor Certification Form (Section 00430 in Project Manual Vol.1)

END OF SECTION 00400.315

SECTION 00 91 09
BP #3 - ADDENDUM NUMBER 4

DATE: DECEMBER 06, 2018

PROJECT: WILL COUNTY HEALTH DEPARTMENT - NEW HEALTH DEPARTMENT
BUILDING
501 ELLA AVENUE
JOLIET, ILLINOIS 60433

PROJECT NO: 17-401-1124

OWNER: THE COUNTY OF WILL
302 NORTH CHICAGO STREET
JOLIET, ILLINOIS 60432

TO: PROSPECTIVE BIDDERS / PLANHOLDERS OF RECORD

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated 11/20/2018, with amendments and additions noted below. Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Four (4) pages and Drawings G301, A311, A312, A321, A322, A912, A930, A1001, M311, M312, M321, M421, M510, M710, P302, P311, P312, P321, P322, E311, T311, T411, T412 & T422.

CHANGES TO SPECIFICATIONS

1.01 SECTION 06 41 00.03 - CUSTOM CASEWORK

- A. Under Article 1.03 REFERENCE STANDARDS:
1. Delete Paragraph B in its entirety.

1.02 SECTION 08 43 13.03 - ALUMINUM-FRAMED STOREFRONTS

- A. Under Article 2.01 MANUFACTURERS:
1. Add Sub-Paragraph A4 to read:
"4. Wausau Window and Wall Systems; 14000 Series Storefront - Thermal Members:
www.wausauwindow.com."

1.03 SECTION 10 44 00.03 - FIRE PROTECTION SPECIALITIES

- A. Under Article 2.03 FIRE EXTINGUISHER CABINETS:

1. Delete Paragraph G. and replace with the following:
"G. Finish of Cabinet Exterior Trim and Door: Clear Aluminum".

1.04 SECTION 28 16 00.03 - INTRUSION DETECTION

A. Under Article 2.02 INTRUSION DETECTION CONTROL PANELS:

1. Delete Paragraph H5 and replace with the following:
"5. Dual-Tec Motion Detector, Wall-Mounted, VPLEX: Selected areas in the protected site will use motion detectors to sense motion in rooms or areas of rooms. Where designated in the plans, install a Honeywell Model DT8050A-SN VPLEX Dual-Tec Motion Detector or equivalent."

CHANGES TO THE DRAWINGS

2.01 DRAWING G301 - CODE REVIEW - BUILDING CONSTRUCTION

- A. Detail 2: Deleted 1-HR Fire Separation Wall Assembly graphic line image at four (4) mechanical duct locations. Fire rating of floor assembly as indicated in BP#3 - Addendum #2 (Revision Cloud 10) shall remain.

2.02 DRAWING A311 - PARTIAL FIRST FLOOR PLAN - AREA 'A'

- A. Added and revised wall type tags at locations indicated with revision cloud 11.
- B. Added General Note #7 to clarify plumbing chase wall type tag.

2.03 DRAWING A312 - PARTIAL FIRST FLOOR PLAN - AREA 'B'

- A. Added and revised wall type tags at locations indicated with revision cloud 11.
- B. Added General Note #7 to clarify plumbing chase wall type tag.

2.04 DRAWING A321 - PARTIAL SECOND FLOOR PLAN - AREA 'A'

- A. Added and revised wall type tags at locations indicated with revision cloud 11.
- B. Added General Note #7 to clarify plumbing chase wall type tag.

2.05 DRAWING A322 - PARTIAL FIRST FLOOR PLAN - AREA 'B'

- A. Added and revised wall type tags at locations indicated with revision cloud 11.
- B. Added General Note #7 to clarify plumbing chase wall type tag.

2.06 DRAWING A912 - PARTIAL FIRST FLOOR FINISHES PLAN - AREA 'B'

- A. Revised wall finishes in rooms 1300 - Corridor, 1302 Mudd Room, 1303 - Dock, 1304 - Receiving and 1306 - Corridor & 1307 - Facilities to note Wall Protection Panels WP1 on all walls in lieu of painted wall finish. See revision cloud #11.
- B. Revised WEST & SOUTH wall finish in Room 1219 - Lab Storage / Utility Room to have Wall Protection Panels WP1 On west and south wall adjacent to and below condensate hood as indicated. See revision cloud #11.

2.07 DRAWING A930 - INTERIOR ELEVATIONS

- A. Details 5, 10, 15 & 20: Revise Science casework end panel condition as shown. Revise Lab Casework Schedule Tag "W". Note: This change simplifies the trash can opening location and design for cabinet "W" to utilize standard science casework components and to strengthen the support for the ends of the island countertop.

2.08 DRAWING A1001 - PLAN DETAILS

- A. Details 1 & 3: Revise Keynote 9.213 to read 7.213. Refer to attached Sheet A1001 revision cloud #11.

2.09 DRAWING M311 - PARTIAL FIRST FLOOR VENTILATION PLAN - AREA 'A'

- A. Removed fire damper in return opening between room 1005B and 1009.
- B. Added balancing damper in lieu of fire damper as shown in Room 1005B - East Wall location.

2.10 DRAWING M312 - PARTIAL FIRST FLOOR VENTILATION PLAN - AREA 'B'

- A. Added Keynote 23.232 to rooms: 1404 - TB Clinic Exam Room, 1406 - TB Clinic Exam Room, and 1408 - TB Clinic XRAY Exam Room. Keynote 23.232 states: Provide pressure monitor as specified for this room.

2.11 DRAWING M321 - PARTIAL SECOND FLOOR VENTILATION PLAN - AREA 'A'

- A. Revised ductwork configuration for Room 2200 and Room 2003 (area served by VAV-4-19). Removed Room 2003 from VAV-4-19 and added VAV-4-22 to serve room 2003.

2.12 DRAWING M421 - PARTIAL SECOND FLOOR PIPING PLAN - AREA 'A'

- A. Added VAV-4-22 located in room 2200. Added associated piping to VAV box.

2.13 DRAWING M510 - TEMPERATURE CONTROLS AND PIPING SCHEMATIC

- A. Added VAV-4-22 to piping schematic.

2.14 DRAWING M710 - MECHANICAL SCHEDULES

- A. Revised VAV-4-19 and added VAV-4-22 to Variable Air Volume Box Schedule.

2.15 DRAWING P302 - PARTIAL UNDERGROUND PLUMBING PLAN - AREA 'B'

- A. Provide 4" waste and 2" vent pipe for floor drain in Room 1219 - Lab Storage/Utility.

2.16 DRAWING P311 - PARTIAL UNDERGROUND PLUMBING PLAN - AREA 'A'

- A. Provide 4" waste and 2" vent pipe for floor drain in Room 2005 - Boilers.

2.17 DRAWING P312 - PARTIAL FIRST FLOOR PLUMBING PLAN - AREA 'B'

- A. Room 1219 - Lab Storage/Utility; Provide floor drain FD-2 and associated 2" vent pipe from underground up to second floor.
- B. Room 1219 - Lab Storage/Utility; Change 1-1/2" vent pipe up to second floor to 2" vent pipe.

2.18 DRAWING P321 - PARTIAL SECOND FLOOR PLUMBING PLAN - AREA 'A'

A. Room 2005 - Boilers; Provide floor drain FD-2 and associated 2" vent pipe.

2.19 DRAWING P322 - PARTIAL SECOND FLOOR PLUMBING PLAN - AREA 'B'

A. Column W-6; Change 1-1/2" vent to a 2" vent pipe. Change 1-1/2" VTR to 2" VTR.

2.20 DRAWING E311 - PARTIAL FIRST FLOOR ELECTRICAL POWER PLAN - AREA 'A'

A. Revised connection to elevator pit pump to be shown through controller located in the Elevator Equipment Room 1007.

B. Added Keynote 26.306 describing electrical connection to elevator pit pump.

2.21 DRAWING T311 - FIRST FLOOR STRUCTURED CABLING - AREA A

A. Clarified additional data drop location not originally shown. See revision cloud #11.

2.22 DRAWING T411 - FIRST FLOOR SPECIAL SYSTEMS - AREA A

A. Added dome camera and traveling cable for camera in the elevator cab. See revision cloud #11.

2.23 DRAWING T412 - FIRST FLOOR SPECIAL SYSTEMS - AREA B

A. Corrected Burglar System - Basis of Design specifications as shown for corrected part numbers. See revision cloud #11.

2.24 DRAWING T422 - SECOND FLOOR SPECIAL SYSTEMS - AREA A

A. Corrected Burglar System - Basis of Design specifications as shown for corrected part numbers. See revision cloud #11.

END OF DOCUMENT

| ISSUED | DATE | BY | REVISION |
|--------|----------|------|--------------------------|
| 1 | 10/11/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 2 | 10/10/18 | B.P. | 2 - ADDENDUM #1 |
| 3 | 11/12/18 | B.P. | 3 - PLAN REVIEW COMMENTS |
| 4 | 10/27/18 | B.P. | 4 - ADDENDUM #2 |
| 5 | 10/27/18 | B.P. | 5 - ADDENDUM #3 |
| 6 | 11/08/18 | B.P. | 6 - ADDENDUM #4 |
| 7 | 11/23/18 | B.P. | 7 - ADDENDUM #5 |
| 8 | 11/23/18 | B.P. | 8 - ADDENDUM #6 |
| 9 | 12/03/18 | B.P. | 9 - ADDENDUM #7 |
| 10 | 12/03/18 | B.P. | 10 - ADDENDUM #8 |
| 11 | 12/05/18 | B.P. | 11 - ADDENDUM #9 |

| | |
|----------|-------------|
| JOB NO. | 17-401-1124 |
| DRAWN | HMA |
| CHECKED | CDH |
| APPROVED | CJH |

SHEET TITLE

CODE REVIEW -
BUILDING
CONSTRUCTION

SHEET NUMBER

G301

GENERAL NOTES

1. REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
2. REFER TO SPECIFICATIONS FOR SCHEDULES OF FIREPROOFING OF STRUCTURAL MEMBERS AND ASSEMBLIES.
3. FIRE SEPARATION ASSEMBLIES ARE DEPICTED IN PLAN ON THIS DRAWING.
4. PENETRATIONS INTO AND THROUGH EXIT STAIR ENCLOSURES ARE PROHIBITED EXCEPT FOR REQUIRED EXIT DOORS, AND FOR DUCTS, PIPING AND CONDUITS THAT TERMINATE IN, AND ARE NECESSARY FOR SERVING, THE STAIR ENCLOSURES.
5. COORDINATE AND PERFORM THE WORK OF ALL CONTRACTS IN ACCORDANCE WITH THE INFORMATION CONTAINED IN THIS DRAWING.

BUILDING CODE DATA

| | |
|---------------------------|---|
| APPLICABLE BUILDING CODE: | 2015 International Building Code 2015 International Mechanical Code 2014 National Electrical Code 2015 International Fire Code 2015 International Energy Code Illinois State Plumbing Code 2015 International Property Maintenance Code |
|---------------------------|---|

GENERAL BUILDING LIMITATIONS

| | |
|--|---|
| USE GROUP (2015 IBC Chapter 3): | USE GROUP: A-3, B, SEPARATED PER 508.4 |
| TYPE OF CONSTRUCTION (2015 IBC Chapter 6): | IIB |
| ACTUAL BUILDING AREA: | 1ST FLOOR 36,108 S.F. 2ND FLOOR 34,132 S.F. TOTAL 70,240 S.F. |
| FULLY SPRINKLERED: | YES |
| OPEN PERIMETER: | 100% |
| GENERAL BUILDING LIMITATIONS (2015 IBC Chapter 5): | |
| HEIGHT CALCULATIONS (IBC Chapter 5): | A-3 USE B USE |
| ALLOWABLE HEIGHT: (TABLE 503 VALUE + SPRINKLER INCREASE) | 75 FT/ 3 ST. 75 FT/ 4 ST. |
| ACTUAL HEIGHT: | 14 FT/ 1 ST. 32 FT/ 2 ST. |
| AREA CALCULATIONS (IBC Ch. 5): | ACTUAL AREAS BY FLOOR |
| | 1ST FLOOR 2ND FLOOR |
| ALLOWABLE AREA PER FLOOR | S.F. RATIO S.F. RATIO |
| A-3 | 28,500 S.F. 1,989 0.07 0 0.07 |
| B | 69,000 S.F. 34,119 0.49 34,132 0.49 |
| USE GROUPS (IBC CHAPTER 5 SEPARATED PER 508.6) | |
| TOTALS: | 36,108 0.56 34,132 0.49 |

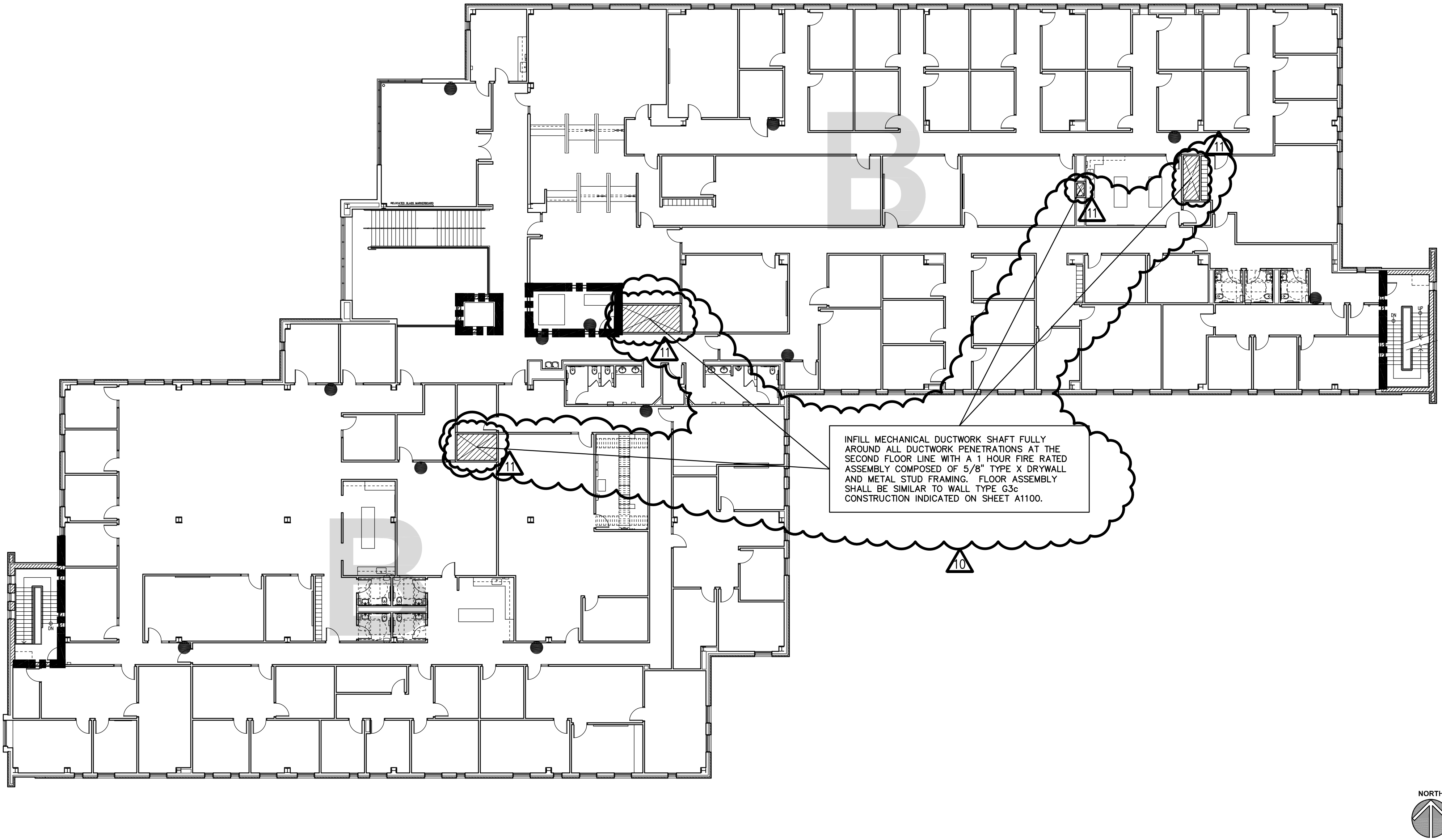
- NOTES:
1. STORAGE TYPE OCCUPANCY AREAS ARE CONSIDERED ACCESSORY OCCUPANCIES PER 508.5 AND ARE LIMITED TO LESS THAN 10% OF TOTAL SQUARE FOOTAGE ON EACH FLOOR.

RATINGS OF BUILDING ELEMENTS

| CONSTRUCTION TYPE IIB | | | | |
|-----------------------|--------|----------------------|--------|--|
| STRUCTURAL FRAME | 0 HOUR | STAIRS AND SHAFTS | 1 HOUR | |
| BEARING WALL EXTERIOR | 0 HOUR | ELEVATOR EQUIP. ROOM | 1 HOUR | |
| BEARING WALL INTERIOR | 0 HOUR | BOILER ROOM | 1 HOUR | |
| FLOOR CONSTRUCTION | 0 HOUR | | | |
| ROOF CONSTRUCTION | 0 HOUR | | | |

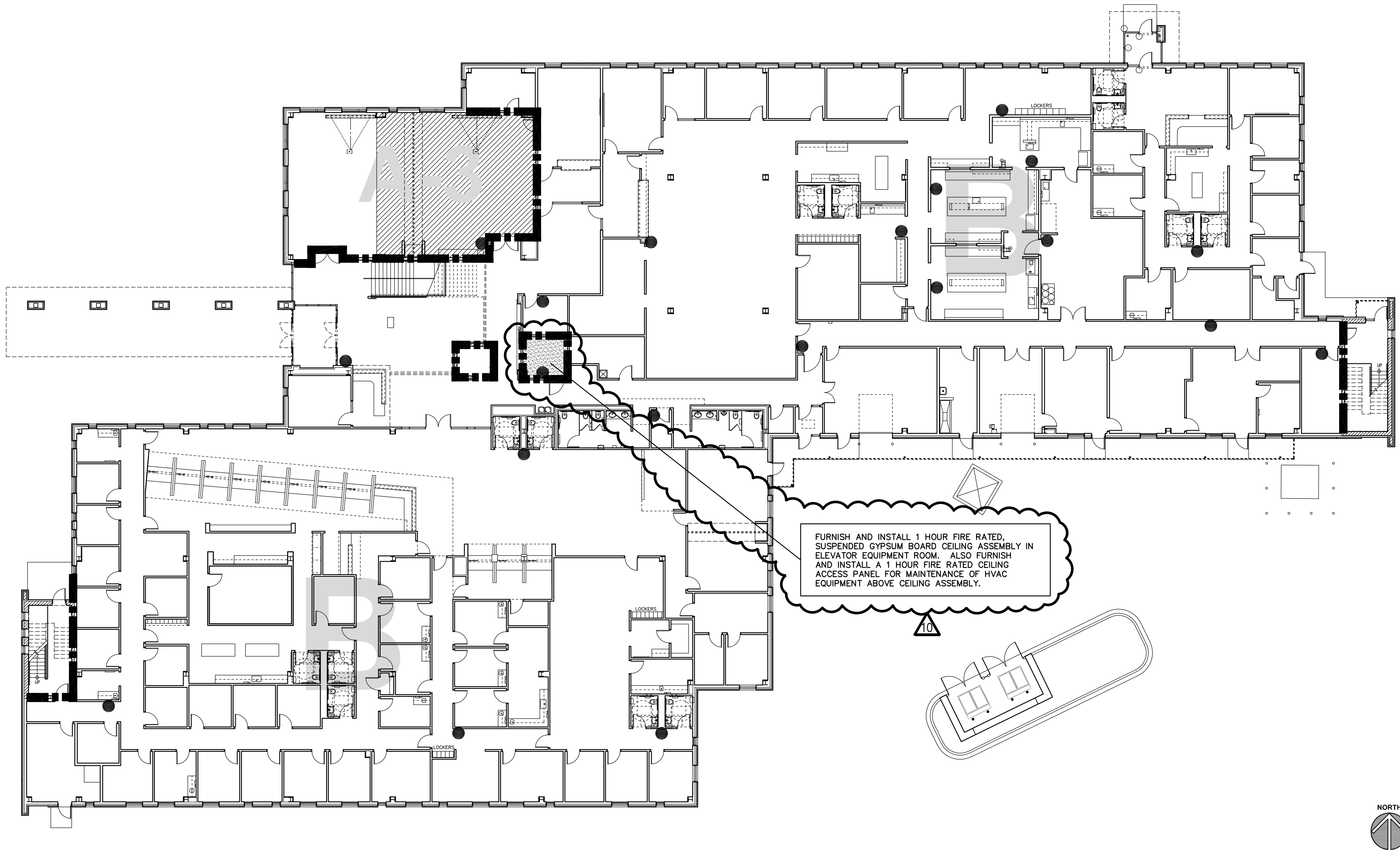
LEGEND

- SMOKE PARTITION
- 1-HR RATED FIRE SEPARATION ASSEMBLY OR EXTERIOR WALL
- 1-HR RATED FIRE SEPARATION @ FLOOR ASSEMBLY ABOVE
- PORTABLE FIRE EXTINGUISHER



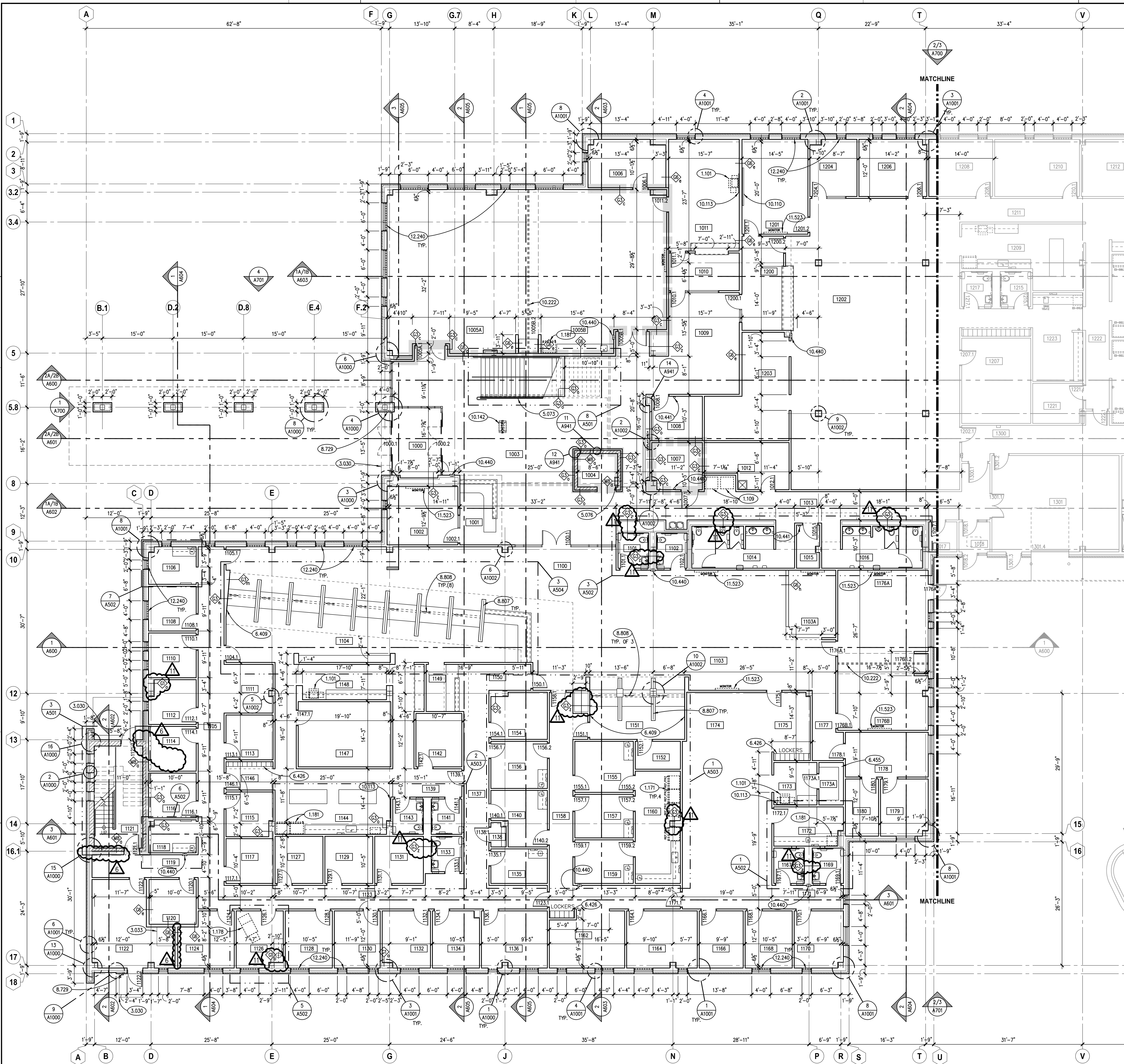
SECOND FLOOR CODE REVIEW PLAN - BUILDING CONSTRUCTION

1/16" = 1'-0"



FIRST FLOOR CODE REVIEW PLAN - BUILDING CONSTRUCTION

SCALE: 1/16" = 1'-0"



KEYNOTES

- KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.
- 1.101 OWNER-PROVIDED ITEM (N.I.C.): OFFICE EQUIPMENT; SMALL PHOTOCOPY MACHINE.
 - 1.109 OWNER-PROVIDED ITEM (N.I.C.): OFFICE EQUIPMENT; VENDING MACHINE.
 - 1.171 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: COMMERCIAL EQUIPMENT; COMMERCIAL REFRIGERATOR.
 - 1.178 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: COMMERCIAL EQUIPMENT; POWERED EXAM TABLE.
 - 1.181 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: RESIDENTIAL EQUIPMENT; REFRIGERATOR.
 - 3.030 CAST-IN-PLACE CONCRETE; REFER TO STRUCTURAL DRAWINGS.
 - 3.033 CAST-IN-PLACE CONCRETE; 4" HIGH HOUSEKEEPING PAD. SIZED TO ACCOMMODATE EQUIPMENT.
 - 5.073 GLAZED DECORATIVE METAL RAILING SYSTEM WITH STAINLESS STEEL STANDOFFS DRILLED AND TAPPED TO STEEL TUBE. REFER TO SPECIFICATIONS.
 - 5.076 METAL FABRICATION: STEEL ACCESS LADDER.
 - 6.409 ARCHITECTURAL WOOD CASEWORK: PLASTIC LAMINATE WALL PANEL LAMINATED TO DRYWALL; 3/4" THICK X WIDTH OF TRANSACTION DIVIDER WALL (U.N.O.) X FULL WALL HEIGHT TO UNDERSIDE OF DRYWALL SOFFIT.
 - 6.426 ARCHITECTURAL WOOD CASEWORK: PLASTIC LAMINATE LOCKERS: TWO-TIER, Z-TYPE, TYPICAL; REFER TO SPECIFICATIONS. PROVIDE 5% OF LOWER LOCKERS AS HANDICAPPED ACCESSIBLE UNITS.
 - 6.455 ARCHITECTURAL WOOD CASEWORK: PLASTIC LAMINATE; ADJUSTABLE SHELVES; 5 SHELVES HIGH.
 - 8.729 DOOR HARDWARE ACCESSORY: KNOX BOX; RECESSED-MOUNTED; PROVIDE TYPE AND LOCATE AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
 - 8.807 GLAZING: TYPE: FG3: VISION SAFETY GLAZING AT RECEPTION DESK DIVIDER WALLS.
 - 8.808 GLAZING: TYPE: DG1: DECORATIVE GLAZING; FROSTED AND TEMPERED.
 - 10.110 VISUAL DISPLAY BOARD: MARKER BOARD W/ INTEGRAL TRAY; 4H X 8L; MOUNT TOP AT 7'-0" A.F.F. UNLESS NOTED OTHERWISE.
 - 10.113 VISUAL DISPLAY BOARD: TACKBOARD; 4'X4'; MOUNT TOP AT 7'-0" A.F.F. UNLESS NOTED OTHERWISE.
 - 10.142 SIGNAGE: INTERIOR ELECTRONIC DIRECTORY SIGNAGE IN CUSTOM PLASTIC LAMINATE ENCLOSURE. ALLOWANCE. REFER TO SPECIFICATIONS.
 - 10.222 FOLDING PANEL PARTITION AND TRACK ASSEMBLY; PROVIDE ANCHOR SPACING TO STEEL CONTRACTOR. REFER TO SPECIFICATIONS.
 - 10.440 FIRE PROTECTION SPECIALTY: FIRE EXTINGUISHER AND CABINET.
 - 10.441 FIRE PROTECTION SPECIALTY: FIRE EXTINGUISHER AND WALL BRACKET.
 - 11.523 AUDIO-VISUAL EQUIPMENT: VIDEO MONITOR; WALL MOUNTED. REFER TO TECHNOLOGY DRAWINGS.
 - 12.240 ROLLER WINDOW SHADES: MANUALLY OPERATED.

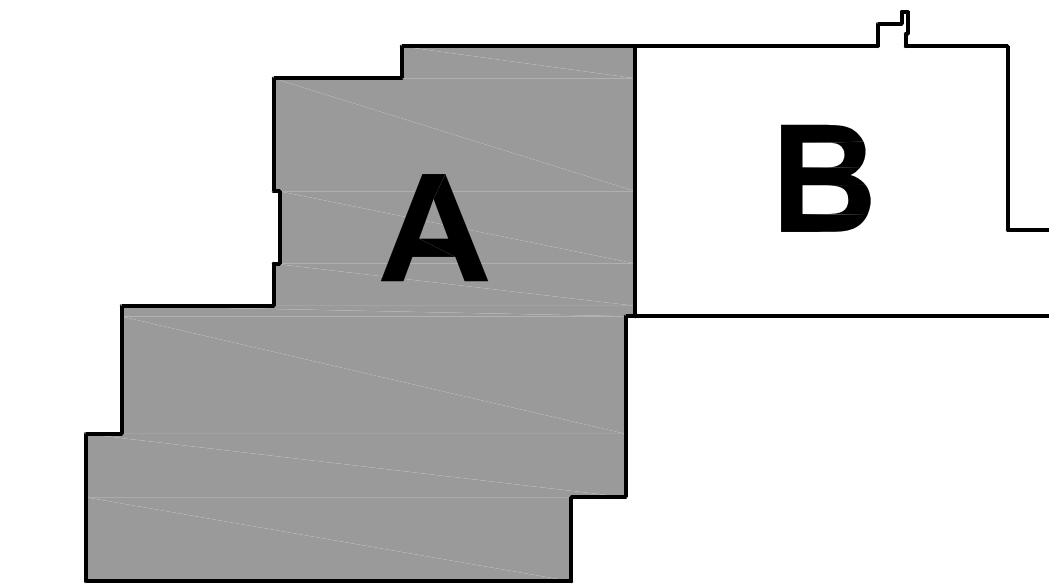
ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|-------------------------|---------|----------------------|
| 1000 | VESTIBULE | 1137 | CORRIDOR |
| 1001 | RECEPTION | 1138 | CLOSET |
| 1002 | SECURITY | 1139 | CORRIDOR |
| 1003 | LOBBY | 1140 | CONSULT |
| 1004 | ELEVATOR | 1141 | MENS RESTROOM |
| 1005A | MULTIPURPOSE ROOM | 1142 | IDF |
| 1005B | MULTIPURPOSE ROOM | 1143 | WOMENS RESTROOM |
| 1006 | EOC STORAGE | 1144 | BREAK ROOM |
| 1007 | ELEVATOR EQUIPMENT | 1145 | NOT USED |
| 1008 | IDF | 1146 | CORRIDOR |
| 1009 | WAITING | 1147 | ACTIVE FILES ROOM |
| 1010 | VITAL RECORDS RECEPTION | 1148 | WORK ROOM |
| 1011 | VITAL RECORDS OFFICE | 1149 | CHECK OUT COUNTER |
| 1012 | CUSTODIAL | 1150 | CORRIDOR |
| 1013 | CORRIDOR | 1151 | IMMUNIZATION INTAKE |
| 1014 | WOMENS RESTROOM | 1152 | SUPPLY |
| 1015 | ELECTRICAL | 1153 | ED |
| 1016 | MENS RESTROOM | 1154 | OFFICE |
| 1017 | BIO WASTE STORAGE | 1155 | INJECTION ROOM |
| 1018 | VESTIBULE | 1156 | CONSULT |
| 1100 | ENTRY AREA | 1157 | INJECTION ROOM |
| 1101 | WOMENS RESTROOM | 1158 | CORRIDOR |
| 1102 | MENS RESTROOM | 1159 | INJECTION ROOM |
| 1103 | WAITING ROOM | 1160 | VACCINE PREP ROOM |
| 1103A | KID ZONE-WAITING | 1161 | NOT USED |
| 1104 | INTAKE AREA | 1162 | OPEN OFFICE |
| 1105 | CORRIDOR | 1163 | COORDINATOR OFFICE |
| 1106 | ANTHRO ROOM | 1164 | COORDINATOR OFFICE |
| 1107 | NOT USED | 1165 | TELEDATA |
| 1108 | CHP-1 | 1166 | MENS RESTROOM |
| 1109 | NOT USED | 1167 | CONSULT |
| 1110 | CHP-2 | 1168 | WOMENS RESTROOM |
| 1111 | WAITING ROOM | 1169 | MANAGER OFFICE |
| 1112 | CHP-3 | 1170 | CORRIDOR |
| 1113 | CHP-6 | 1171 | LAB/ANTHRO |
| 1114 | CHP-4 | 1172 | COPY/FILES STORAGE |
| 1115 | CHP-7 | 1173 | CLOSET |
| 1116 | CHP-5 | 1173A | WORKSTATIONS |
| 1117 | CHP-8 | 1174 | WAITING |
| 1118 | ANTHRO ROOM | 1175 | CLASSROOM |
| 1119 | CORRIDOR | 1176 | CLASSROOM |
| 1120 | CHP-9 | 1177 | CORRIDOR |
| 1121 | STAIR | 1178 | VISION/HEARING |
| 1122 | UTILITY | 1179 | MANAGER OFFICE |
| 1123 | CORRIDOR | 1180 | STORAGE |
| 1124 | CONSULT | 1200 | WAITING |
| 1125 | NOT USED | 1201 | CONFERENCE ROOM |
| 1126 | EXAM ROOM | 1202 | OPEN OFFICE |
| 1127 | CHP-10 | 1203 | ACTIVE FILES |
| 1128 | HRGM | 1204 | REIMBURSEMENT OFFICE |
| 1130 | OFFICE | 1205 | NOT USED |
| 1131 | CHP-12 | 1206 | PROGRAM MANAGER |
| 1132 | PROGRAM MANAGER OFFICE | 1207 | ARCHIVE FILES |
| 1133 | UNSEX BATHROOM | | |
| 1134 | BREAST FEEDING OFFICE | | |
| 1135 | BREAST FEEDING | | |
| 1136 | COORDINATOR OFFICE | | |

GENERAL NOTES

- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.
- GYPSUM WALLS ARE WALL TYPE G36 UNLESS TAGGED OTHERWISE.
- INTERIOR MASONRY WALLS ARE WALL TYPE MB6 UNLESS TAGGED OTHERWISE.
- APPLY FIREPROOFING TO STRUCTURAL STEEL COLUMNS AND BEAMS SUPPORTING FIRE RESISTANCE RATED ASSEMBLIES. COORDINATE WITH FIREPROOFING SCHEDULE AND STRUCTURAL STEEL DRAWINGS.
- IN METAL STUD/GYPSUM BOARD PARTITIONS, WALLS AND CEILINGS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED OR CEILING-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.
- PLUMBING CHASERS ARE G31 UNLESS NOTED OTHERWISE.

KEY PLAN



PARTIAL FIRST FLOOR PLAN - AREA 'A'

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

Kluber
Architects + Engineers

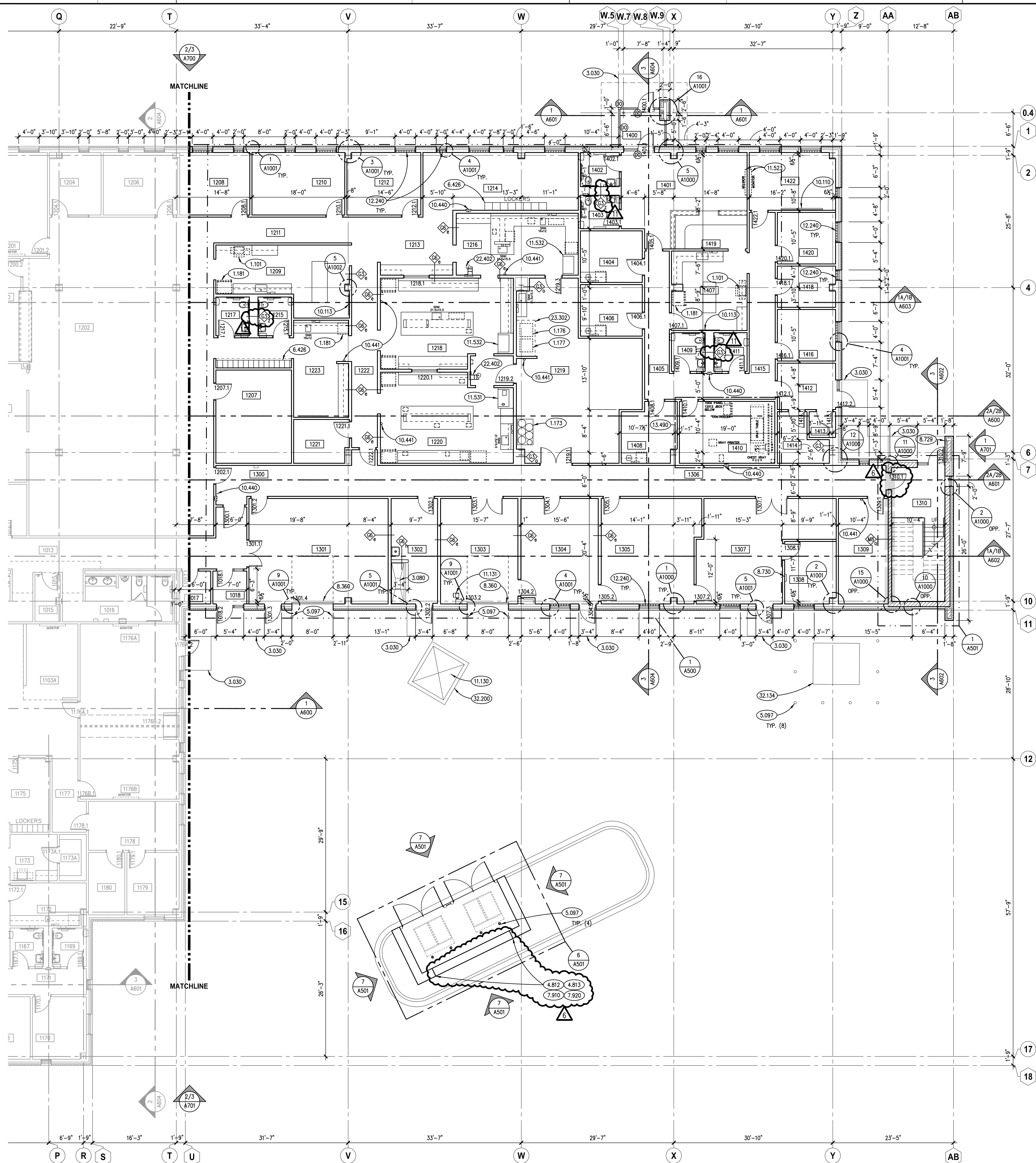
Balwin, Illinois 60510
Tel. 630.406.2113
Gurnee, Illinois 60031
Tel. 847.336.3428
www.kluberinc.com

WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL
501 ELLA AVENUE
JOLIET, IL 60433

| ISSUED | DATE | BY | DESCRIPTION |
|--------|----------|---------|----------------------|
| 1 | 10/11/18 | B.P. #1 | ADDENDUM #1 |
| 2 | 10/11/18 | B.P. #1 | ADDENDUM #2 |
| 3 | 11/21/18 | B.P. #1 | PLAN REVIEW COMMENTS |
| 4 | 10/27/18 | B.P. #2 | ADDENDUM #3 |
| 5 | 10/27/18 | B.P. #2 | ADDENDUM #4 |
| 6 | 11/08/18 | B.P. #2 | ADDENDUM #5 |
| 7 | 11/23/18 | B.P. #2 | ADDENDUM #6 |
| 8 | 12/03/18 | B.P. #3 | ADDENDUM #7 |
| 9 | 12/03/18 | B.P. #3 | ADDENDUM #8 |
| 10 | 12/03/18 | B.P. #3 | ADDENDUM #9 |
| 11 | 12/03/18 | B.P. #3 | ADDENDUM #10 |

| | |
|--------------|-------------------------------------|
| JOB NO. | 17-401-1124 |
| DRAWN | HMA |
| CHECKED | CDH |
| APPROVED | CJH |
| SHEET TITLE | PARTIAL FIRST FLOOR PLAN - AREA 'A' |
| SHEET NUMBER | A311 |



KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 1.01 OWNER-PROVIDED ITEM (N.I.C.): OFFICE EQUIPMENT; SMALL PHOTOCOPY MACHINE.
- 1.173 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: COMMERCIAL EQUIPMENT; DE-IONIZED WATER SYSTEM.
- 1.176 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: COMMERCIAL EQUIPMENT; AUTOCLAVE.
- 1.177 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: COMMERCIAL EQUIPMENT; COMMERCIAL DISHWASHER.
- 1.181 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: RESIDENTIAL EQUIPMENT; REFRIGERATOR.
- 3.030 CAST-IN-PLACE CONCRETE: REFER TO STRUCTURAL DRAWINGS.
- 3.080 SLOPE AREA OF SLAB TO FLOOR DRAIN, TYPICAL.
- 4.812 MASONRY ASSEMBLY: CONCRETE MASONRY CONTROL JOINT.
- 4.813 MASONRY ASSEMBLY: BRICK MASONRY EXPANSION JOINT (TYPICAL).
- 5.097 METAL FABRICATION: STEEL BOLLARD; 6" O.D.; CONCRETE FILLED. INSTALL 42 INCHES BELOW GRADE IN 16" DIA. CONCRETE PIER AND 34 INCHES ABOVE FINISHED GRADE. PRIME AND TWO COATS ENAMEL PAINT.
- 6.426 ARCHITECTURAL WOOD CASEWORK; PLASTIC LAMINATE LOCKERS: TWO-TIER, Z-TYPE, TYPICAL; REFER TO SPECIFICATIONS. PROVIDE 5% OF LOWER LOCKERS AS HANDICAPPED ACCESSIBLE UNITS.
- 7.910 PREFORMED JOINT SEALER: REFER TO SPECIFICATIONS.
- 7.920 JOINT SEALANT: REFER TO SCHEDULE IN SPECIFICATION SECTION 07 92 00; PROVIDE BACKER ROD OR BOND BREAKER.
- 8.360 SECTIONAL OVERHEAD DOOR; 8'-0" WIDE X 9'-4" TALL.
- 8.729 DOOR HARDWARE ACCESSORY: KNOX BOX; RECESSED-MOUNTED; PROVIDE TYPE AND LOCATE AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
- 8.730 DOOR HARDWARE ACCESSORY: KEY CABINET; SURFACE MOUNTED. REFER TO SPECIFICATIONS.
- 10.110 VISUAL DISPLAY BOARD; MARKER BOARD W/ INTEGRAL TRAY; 4H X 8'L; MOUNT TOP AT 7'-0" A.F.F. UNLESS NOTED OTHERWISE.
- 10.113 VISUAL DISPLAY BOARD; TACKBOARD; 4'X4'; MOUNT TOP AT 7'-0" A.F.F. UNLESS NOTED OTHERWISE.
- 10.440 FIRE PROTECTION SPECIALTY: FIRE EXTINGUISHER AND CABINET.
- 10.441 FIRE PROTECTION SPECIALTY: FIRE EXTINGUISHER AND WALL BRACKET.
- 11.130 LOADING DOCK EQUIPMENT: DOCK LIFT WITH GUARD RAIL SYSTEM. RECESSED INTO PAVEMENT. REFER TO PIT DETAILS ON THIS SHEET. PROVIDE OPEN PVC CONDUITS FOR ELECTRIC AND HYDRAULIC LINES AS REQUIRED BY MANUFACTURER. REFER TO SPECIFICATIONS.
- 11.131 LOADING DOCK EQUIPMENT: DOCK LIFT CONTROLLER. REFER TO SPECIFICATIONS.
- 11.523 AUDIO-VISUAL EQUIPMENT: VIDEO MONITOR; WALL MOUNTED. REFER TO TECHNOLOGY DRAWINGS.
- 11.531 LABORATORY EQUIPMENT: FUME HOOD; TYPE F1H WITH CUP SINK, COLD WATER FAUCET, INTERIOR LIGHTING & INTERIOR HOOD POWER RECEPTACLE. REFER TO SPECIFICATIONS.
- 11.532 LABORATORY EQUIPMENT: FUME HOOD; TYPE F1H WITH INTERIOR HOOD LIGHTING AND INTERIOR HOOD POWER RECEPTACLE. REFER TO SPECIFICATIONS.
- 12.240 ROLLER WINDOW SHADES: MANUALLY OPERATED.
- 13.490 X-RAY RADIATION PROTECTION: REGARDLESS OF WALLTYPE AND DOOR DETAILS INDICATED, PROVIDE LEAD-LINED GYPSUM BOARD ON THE INSIDE FACE OF PERIMETER WALLS (INCLUDING LEAD ACCESSORIES TO PREVENT LEAKAGE AT PENETRATIONS AND JOINTS), LEADED GLASS IN BORROWED LITES, AND LEAD-LINED DOOR AND FRAMES IN THIS AREA; REFER TO SPECIFICATION SECTION 13 49 13.03 FOR ADDITIONAL INFORMATION.
- 22.402 PLUMBING FIXTURE: SAFETY SHOWER UNIT; REFER TO PLUMBING DRAWINGS.
- 23.302 MECHANICAL EQUIPMENT: CONDENSATE HOOD; REFER TO MECHANICAL DRAWINGS.
- 32.134 CONCRETE PAVING: CAST-IN-PLACE CONCRETE TRANSFORMER PAD. COORDINATE WITH COM-ED PAD SIZING AND DETAILING REQUIRED TO BE INSTALLED.
- 32.200 CAST-IN-PLACE CONCRETE: LIFT PIT. PROVIDE 4 OF 4,500 PSI, 6X 8X. COORDINATE ALL DIMENSIONS WITH MANUFACTURER.

ROOM SCHEDULE

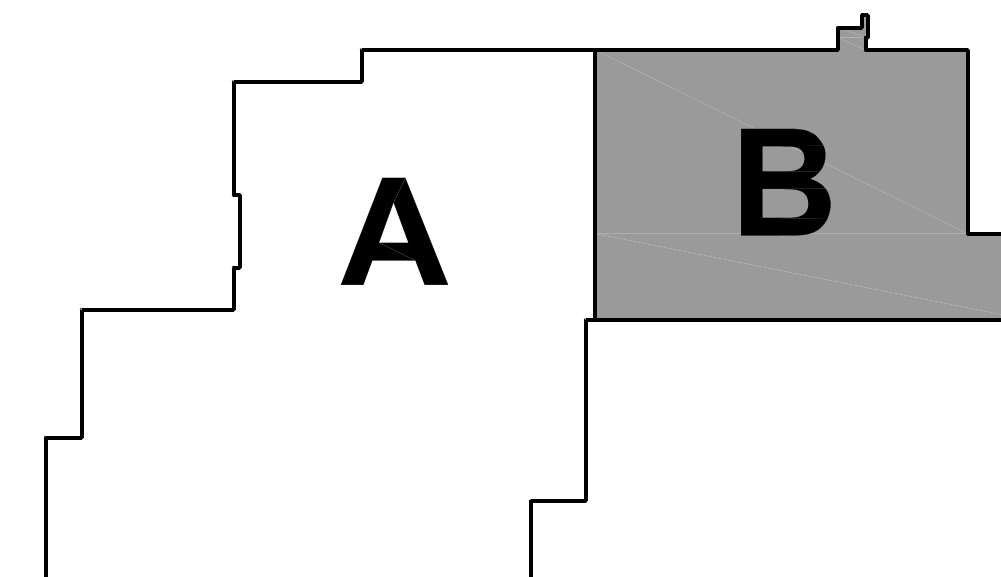
| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|-------------------------|---------|---------------------------|
| 1203 | ACTIVE FILES | 1307 | FACILITIES |
| 1204 | REIMBURSEMENT OFFICE | 1308 | FACILITIES MANAGER OFFICE |
| 1205 | NOT USED | 1309 | ELECTRICAL |
| 1206 | PROGRAM MANAGER | 1310 | STAIR |
| 1207 | ARCHIVE FILES | | |
| 1208 | PROGRAM COORDINATOR | 1400 | VESTIBULE |
| 1209 | WORKROOM | 1401 | WAITING ROOM |
| 1210 | DIRECTOR OFFICE | 1402 | MENS RESTROOM |
| 1211 | CORRIDOR | 1403 | WOMENS RESTROOM |
| 1212 | LAB COORDINATOR OFFICE | 1404 | EXAM ROOM |
| 1213 | CORRIDOR | 1405 | CORRIDOR |
| 1214 | LAB ANALYST OPEN OFFICE | 1406 | EXAM ROOM |
| 1215 | MENS RESTROOM | 1407 | COPY/WORK ROOM |
| 1216 | MICROBIOLOGY LAB | 1408 | XRAY EXAM ROOM |
| 1217 | WOMENS RESTROOM | 1409 | MENS RESTROOM |
| 1218 | NON-POTABLE LAB | 1410 | XRAY ROOM |
| 1219 | LAB STORAGE/UTILITY | 1411 | WOMENS RESTROOM |
| 1220 | CHEMISTRY LAB | 1412 | WAITING ROOM |
| 1221 | CLOSET | 1413 | MEDICAL WASTE ROOM |
| 1222 | CORRIDOR | 1414 | STORAGE |
| 1223 | ENVIRONMENTAL SAMPLE | 1415 | CORRIDOR |
| | | 1416 | OFFICE |
| 1300 | CORRIDOR | | |
| 1301 | EPR STORAGE | 1418 | FILES ROOM |
| 1302 | MUD ROOM | 1419 | RECEPTION WORKSPACE |
| 1303 | DOCK | 1420 | OFFICE |
| 1304 | RECEIVING | | |
| 1305 | ACCOUNTS PAYABLE | 1422 | CONFERENCE ROOM |
| 1306 | CORRIDOR | | |

GENERAL NOTES

1. REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
2. COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.
3. GYPSUM WALLS ARE WALL TYPE G3a UNLESS TAGGED OTHERWISE.
4. INTERIOR MASONRY WALLS ARE WALL TYPE M8a UNLESS TAGGED OTHERWISE.
5. APPLY FIREPROOFING TO STRUCTURAL STEEL COLUMNS AND BEAMS SUPPORTING FIRE RESISTANCE RATED ASSEMBLIES. COORDINATE WITH FIREPROOFING SCHEDULE AND STRUCTURAL STEEL DRAWINGS.
6. IN METAL STUD/GYPSUM BOARD PARTITIONS, WALLS AND CEILINGS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED OR CEILING-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.

PLUMBING CHASES ARE G32 UNLESS NOTED OTHERWISE.

KEY PLAN



PARTIAL FIRST FLOOR PLAN - AREA 'B'

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

Kluber
Architects + Engineers

Kluber, Inc.
Baltimore, Illinois 60610
Tel. 630.406.2113
Gurnee, Illinois 60031
Tel. 847.336.5428
www.kluberinc.com

WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL
501 ELLA AVENUE
JOLIET, IL 60433

| ISSUED | REVISION | DATE | BY | APP'D |
|--------|----------|--------------------------------|----|-------|
| 1 | 10/10/18 | B.P. #1 - ADDENDUM #1 | | |
| 2 | 10/10/18 | B.P. #1 - ADDENDUM #2 | | |
| 3 | 11/12/18 | B.P. #1 - PLAN REVIEW COMMENTS | | |
| 4 | 10/27/18 | B.P. #2 - ADDENDUM #1 | | |
| 5 | 10/27/18 | B.P. #2 - ADDENDUM #2 | | |
| 6 | 11/08/18 | B.P. #2 - ADDENDUM #3 | | |
| 7 | 11/13/18 | B.P. #2 - ADDENDUM #4 | | |
| 8 | 11/13/18 | B.P. #2 - ADDENDUM #5 | | |
| 9 | 11/13/18 | B.P. #2 - ADDENDUM #6 | | |
| 10 | 12/03/18 | B.P. #3 - ADDENDUM #1 | | |
| 11 | 12/03/18 | B.P. #3 - ADDENDUM #2 | | |

JOB NO. 17-401-1124
DRAWN HMA
CHECKED CDH
APPROVED CJH

SHEET TITLE

PARTIAL FIRST
FLOOR PLAN -
AREA 'B'

SHEET NUMBER

A312

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 1.101 OWNER-PROVIDED ITEM (N.I.C.): OFFICE EQUIPMENT; SMALL PHOTOCOPY MACHINE.
 1.109 OWNER-PROVIDED ITEM (N.I.C.): OFFICE EQUIPMENT; VENDING MACHINE.
 1.181 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: RESIDENTIAL EQUIPMENT; REFRIGERATOR.
 3.033 CAST-IN-PLACE CONCRETE: 4" HIGH HOUSEKEEPING PAD. SIZED TO ACCOMMODATE EQUIPMENT.
 5.073 GLAZED DECORATIVE METAL RAILING SYSTEM WITH STAINLESS STEEL STANDOFFS DRILLED AND TAPPED TO STEEL TUBE. REFER TO SPECIFICATIONS.
 6.426 ARCHITECTURAL WOOD CASEWORK; PLASTIC LAMINATE LOCKERS: TWO-TIER, Z-TYPE, TYPICAL; REFER TO SPECIFICATIONS. PROVIDE 5% OF LOWER LOCKERS AS HANDICAPPED ACCESSIBLE UNITS.
 10.110 VISUAL DISPLAY BOARD: MARKER BOARD W/ INTEGRAL TRAY; 4H X 8L; MOUNT TOP AT 7'-0" A.F.F. UNLESS NOTED OTHERWISE.
 10.113 VISUAL DISPLAY BOARD: TACKBOARD; 4X4; MOUNT TOP AT 7'-0" A.F.F. UNLESS NOTED OTHERWISE.
 10.440 FIRE PROTECTION SPECIALTY: FIRE EXTINGUISHER AND CABINET.
 10.441 FIRE PROTECTION SPECIALTY: FIRE EXTINGUISHER AND WALL BRACKET.
 11.523 AUDIO-VISUAL EQUIPMENT: VIDEO MONITOR; WALL MOUNTED. REFER TO TECHNOLOGY DRAWINGS.
 12.240 ROLLER WINDOW SHADES: MANUALLY OPERATED.
 22.110 PLUMBING PIPING SPECIALTY: ROOF DRAIN; REFER TO PLUMBING DRAWINGS.
 22.111 PLUMBING PIPING SPECIALTY: OVERFLOW DRAIN; REFER TO PLUMBING DRAWINGS.

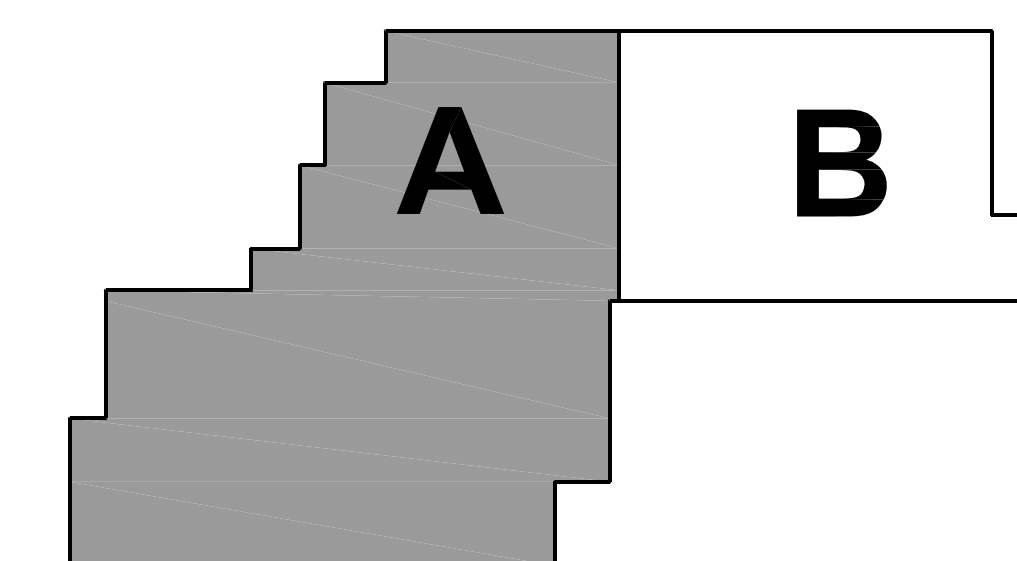
ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|----------------------------|---------|---------------------------|
| 2000 | STAIR | 2146 | TEAM ROOM |
| 2001 | CORRIDOR | 2147 | OFFICE |
| 2002 | MULTIPURPOSE ROOM | 2148 | OFFICE |
| 2003 | BREAK ROOM | 2149 | OFFICE |
| 2004 | WAITING | 2150 | OFFICE |
| 2005 | BOILERS | 2151 | FAMILY HEALTH OPEN OFFICE |
| 2006 | CORRIDOR | 2152 | OFFICE |
| 2007 | WOMEN'S RESTROOM | 2153 | OFFICE |
| 2008 | ELECTRICAL | 2154 | CORRIDOR |
| 2009 | MENS RESTROOM | 2155 | OFFICE |
| 2100 | ADMIN WORKSTATION | 2156 | CORRIDOR |
| 2101 | STORAGE | 2157 | HIGH DENSITY FILES ROOM |
| 2102 | I.T. OPEN OFFICE | 2158 | STORAGE ROOM |
| 2102A | I.T. STORAGE | 2159 | WORK ROOM |
| 2103 | MDX/DATA CENTER | 2160 | MENS RESTROOM |
| 2104 | I.T. WORKSTATION | 2161 | CORRIDOR |
| 2105 | I.T. COORDINATOR OFFICE | 2162 | WOMEN'S RESTROOM |
| 2106 | CONFERENCE ROOM | 2163 | TEAMROOM |
| 2107 | CONFERENCE ROOM | 2164 | CONFERENCE ROOM |
| 2108 | H.R. WAITING | 2200 | CHILD/ADOLESCENT WAITING |
| 2109 | H.R. OPEN OFFICE | 2201 | CORRIDOR |
| 2110 | H.R. CONFERENCE ROOM | 2202 | NOT USED |
| 2111 | NOT USED | 2203 | GROUP ROOM |
| 2112 | H.R. OFFICE | 2204 | CORRIDOR |
| 2113 | H.R. COORDINATOR OFFICE | 2205 | CRISIS ROOM |
| 2114 | H.R. FILES | 2206 | CONSULT |
| 2115 | CORRIDOR | 2207 | CONSULT |
| 2116 | NOT USED | | |
| 2117 | EXEC. DIR. ASSISTANT | 2250 | ADULT WAITING |
| 2118 | EXEC. DIR. OFFICE | 2251 | MEDICAL RECORDS |
| 2119 | EXEC. DIR. CONF. ROOM | 2252 | BILLING SUPERVISOR OFFICE |
| 2120 | DIRECTOR OF ADMIN OFFICE | 2253 | RECEPTION AREA |
| 2121 | MEDIA OFFICE | 2254 | CORRIDOR |
| 2122 | WORKROOM | 2255 | GROUP ROOM |
| 2123 | UNISEX RESTROOM | 2256 | CORRIDOR |
| 2125 | UNISEX RESTROOM | | |
| 2126 | NOT USED | | |
| 2127 | FINANCE OPEN OFFICE | | |
| 2127A | FINANCE STORAGE | | |
| 2128 | FINANCE OFFICE | | |
| 2129 | FINANCE COORDINATOR OFFICE | | |
| 2130 | FINANCE OFFICE | | |
| 2131 | CORRIDOR | | |
| 2132 | EPR OPEN OFFICE | | |
| 2133 | EPR STORAGE | | |
| 2134 | EPR COORDINATOR OFFICE | | |
| 2135 | EPR OFFICE | | |
| 2136 | NOT USED | | |
| 2137 | CORRIDOR | | |
| 2138 | FAMILY HEALTH OFFICE | | |
| 2140 | PURCHASING OFFICE | | |
| 2141 | WORK/COPY ROOM | | |
| 2142 | FAMILY HEALTH DIR. OFFICE | | |
| 2143 | FAMILY HEALTH STORAGE | | |
| 2144 | NOT USED | | |

GENERAL NOTES

- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.
- GYPSUM WALLS ARE WALL TYPE G30 UNLESS TAGGED OTHERWISE.
- INTERIOR MASONRY WALLS ARE WALL TYPE M80 UNLESS TAGGED OTHERWISE.
- APPLY FIREPROOFING TO STRUCTURAL STEEL COLUMNS AND BEAMS SUPPORTING FIRE RESISTANCE RATED ASSEMBLIES. COORDINATE WITH FIREPROOFING SCHEDULE AND STRUCTURAL STEEL DRAWINGS.
- IN METAL STUD/GYPSUM BOARD PARTITIONS, WALLS AND CEILINGS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED OR CEILING-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.
- PLUMBING CHASES ARE G32 UNLESS NOTED OTHERWISE.

KEY PLAN

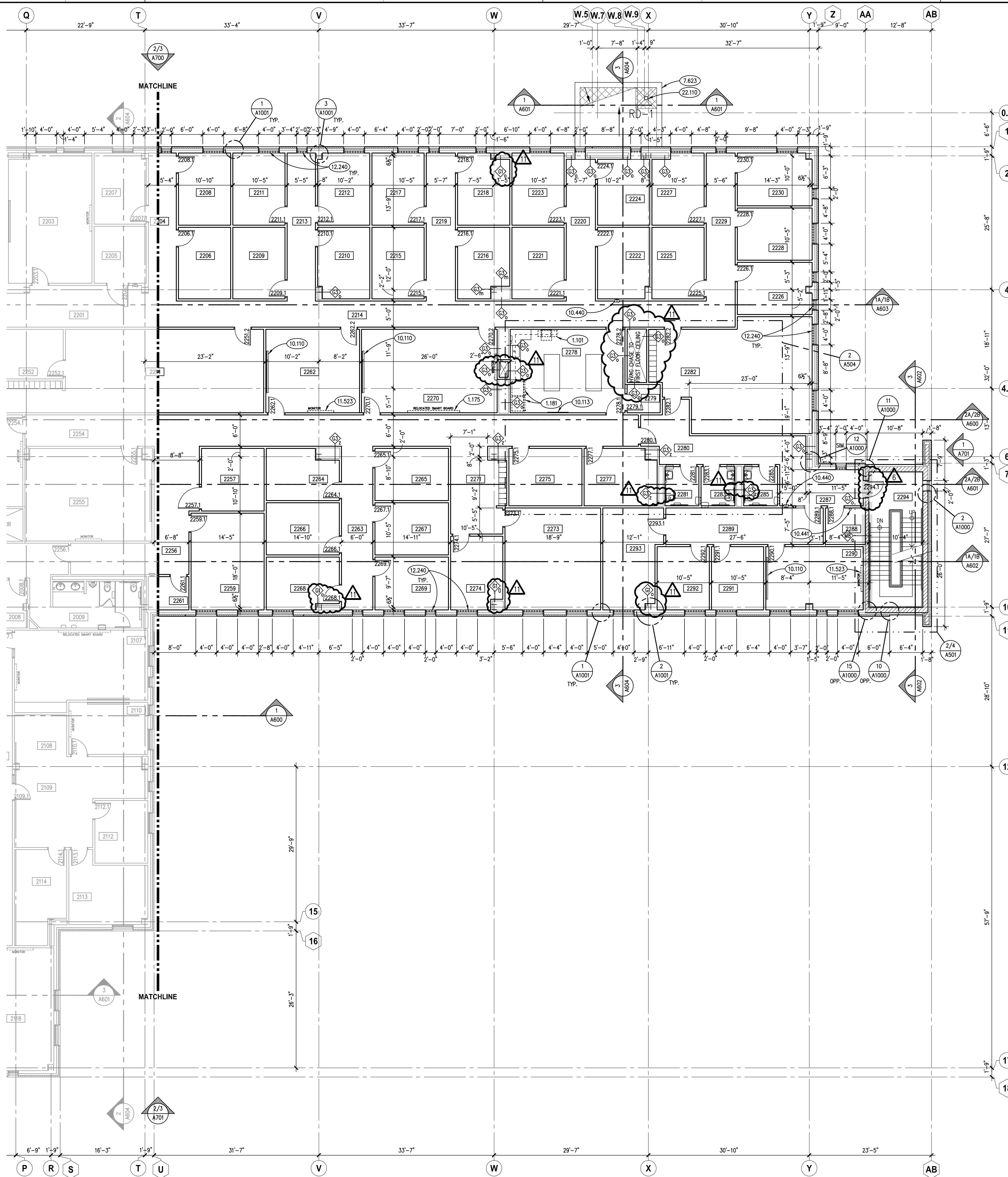


PARTIAL SECOND FLOOR PLAN - AREA 'A'

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

| ISSUED | DATE | BY | REVISION |
|--------|----------|------|--------------------------|
| 1 | 10/11/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 2 | 10/11/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 3 | 11/12/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 4 | 10/27/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 5 | 10/27/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 6 | 11/08/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 7 | 11/13/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 8 | 11/13/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 9 | 12/03/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 10 | 12/03/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 11 | 12/03/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 12 | 12/03/18 | B.P. | 1 - PLAN REVIEW COMMENTS |

| | |
|--------------|--------------------------------------|
| JOB NO. | 17-401-1124 |
| DRAWN | HMA |
| CHECKED | CDH |
| APPROVED | CJH |
| SHEET TITLE | PARTIAL SECOND FLOOR PLAN - AREA 'A' |
| SHEET NUMBER | A321 |



PARTIAL SECOND FLOOR PLAN - AREA 'B'
SCALE: 1/8" = 1'-0"

KEYNOTES

- KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.
- 1.101 OWNER-PROVIDED ITEM (N.I.C.): OFFICE EQUIPMENT; SMALL PHOTOCOPY MACHINE.
 - 1.175 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: COMMERCIAL EQUIPMENT; OWNER EXISTING SMART WHITE BOARD.
 - 1.181 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: RESIDENTIAL EQUIPMENT; REFRIGERATOR.
 - 7.623 METAL ROOF EDGE FLASHING: MATERIAL, THICKNESS AND FINISH AS SPECIFIED.
 - 10.110 VISUAL DISPLAY BOARD: MARKER BOARD W/ INTEGRAL TRAY; 4H X 8L; MOUNT TOP AT 7'-0" A.F.F. UNLESS NOTED OTHERWISE.
 - 10.113 VISUAL DISPLAY BOARD: TACKBOARD; 4'X4'; MOUNT TOP AT 7'-0" A.F.F. UNLESS NOTED OTHERWISE.
 - 10.440 FIRE PROTECTION SPECIALTY: FIRE EXTINGUISHER AND CABINET.
 - 10.441 FIRE PROTECTION SPECIALTY: FIRE EXTINGUISHER AND WALL BRACKET.
 - 11.523 AUDIO-VISUAL EQUIPMENT: VIDEO MONITOR; WALL MOUNTED. REFER TO TECHNOLOGY DRAWINGS.
 - 12.240 ROLLER WINDOW SHADES: MANUALLY OPERATED.
 - 22.110 PLUMBING PIPING SPECIALTY: ROOF DRAIN; REFER TO PLUMBING DRAWINGS.

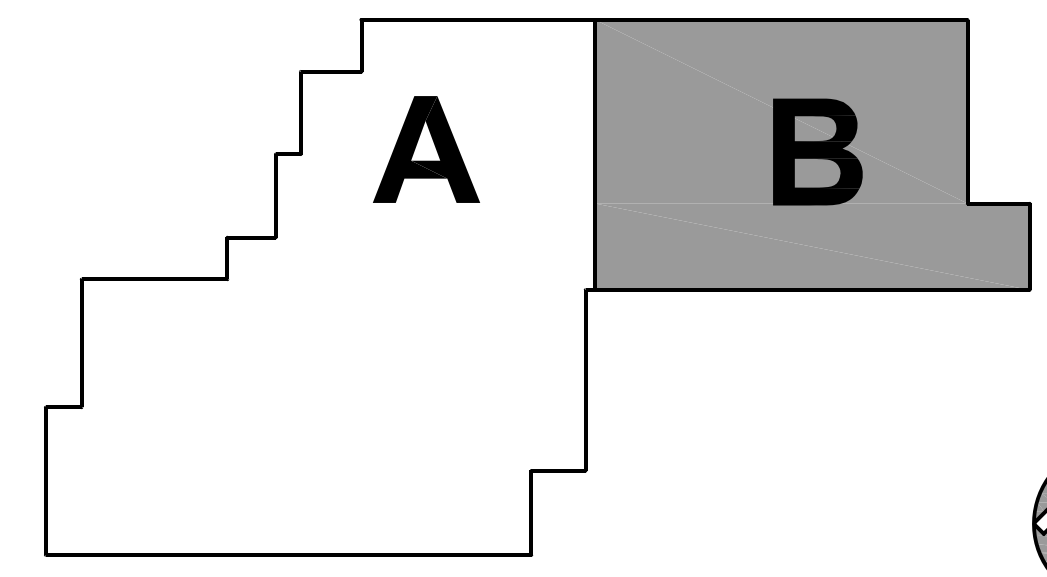
ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|---------------------------|---------|------------------------------|
| 2200 | CHILD/ADOLESCENT WAITING | 2263 | CORRIDOR |
| 2201 | CORRIDOR | 2264 | CONSULT |
| 2202 | NOT USED | 2265 | CONSULT |
| 2203 | GROUP ROOM | 2266 | CONSULT |
| 2204 | CORRIDOR | 2267 | CONSULT |
| 2205 | CRISIS ROOM | 2268 | CONSULT |
| 2206 | CONSULT | 2269 | CONSULT |
| 2207 | CONSULT | 2270 | CONFERENCE ROOM |
| 2208 | CONSULT | 2271 | CORRIDOR |
| 2209 | CONSULT | 2272 | NOT USED |
| 2210 | CONSULT | 2273 | PROGRAMMING ROOM |
| 2211 | CONSULT | 2274 | CONSULT |
| 2212 | CONSULT | 2275 | CONSULT |
| 2213 | CORRIDOR | 2276 | NOT USED |
| 2214 | CORRIDOR | 2277 | CONSULT |
| 2215 | CONSULT | 2278 | WORK ROOM |
| 2216 | CONSULT | 2279 | STORAGE |
| 2217 | CONSULT | 2280 | CORRIDOR |
| 2218 | CONSULT | 2281 | WOMEN'S RESTROOM |
| 2219 | CORRIDOR | 2282 | PROGRAMMING ROOM |
| 2220 | CORRIDOR | 2283 | MENS ROOM |
| 2221 | CONSULT | 2284 | NOT USED |
| 2222 | CONSULT | 2285 | UNISEX RESTROOM |
| 2223 | CONSULT | 2286 | CORRIDOR |
| 2224 | CONSULT | 2287 | CORRIDOR |
| 2225 | CONSULT | 2288 | ELECTRICAL |
| 2226 | CONSULT | 2289 | CORRIDOR |
| 2227 | CONSULT | 2290 | CONFERENCE ROOM |
| 2228 | CONSULT | 2291 | OFFICE |
| 2229 | CORRIDOR | 2292 | OFFICE |
| 2230 | CONSULT | 2293 | BEHAVIOR, HEALTH DIR. OFFICE |
| 2250 | ADULT WAITING | 2294 | STAIR |
| 2251 | MEDICAL RECORDS | | |
| 2252 | BILLING SUPERVISOR OFFICE | | |
| 2253 | RECEPTION AREA | | |
| 2254 | CORRIDOR | | |
| 2255 | GROUP ROOM | | |
| 2256 | CORRIDOR | | |
| 2257 | CRISIS ROOM | | |
| 2259 | CONSULT | | |
| 2260 | NOT USED | | |
| 2261 | STORAGE | | |
| 2262 | GROUP ROOM | | |

GENERAL NOTES

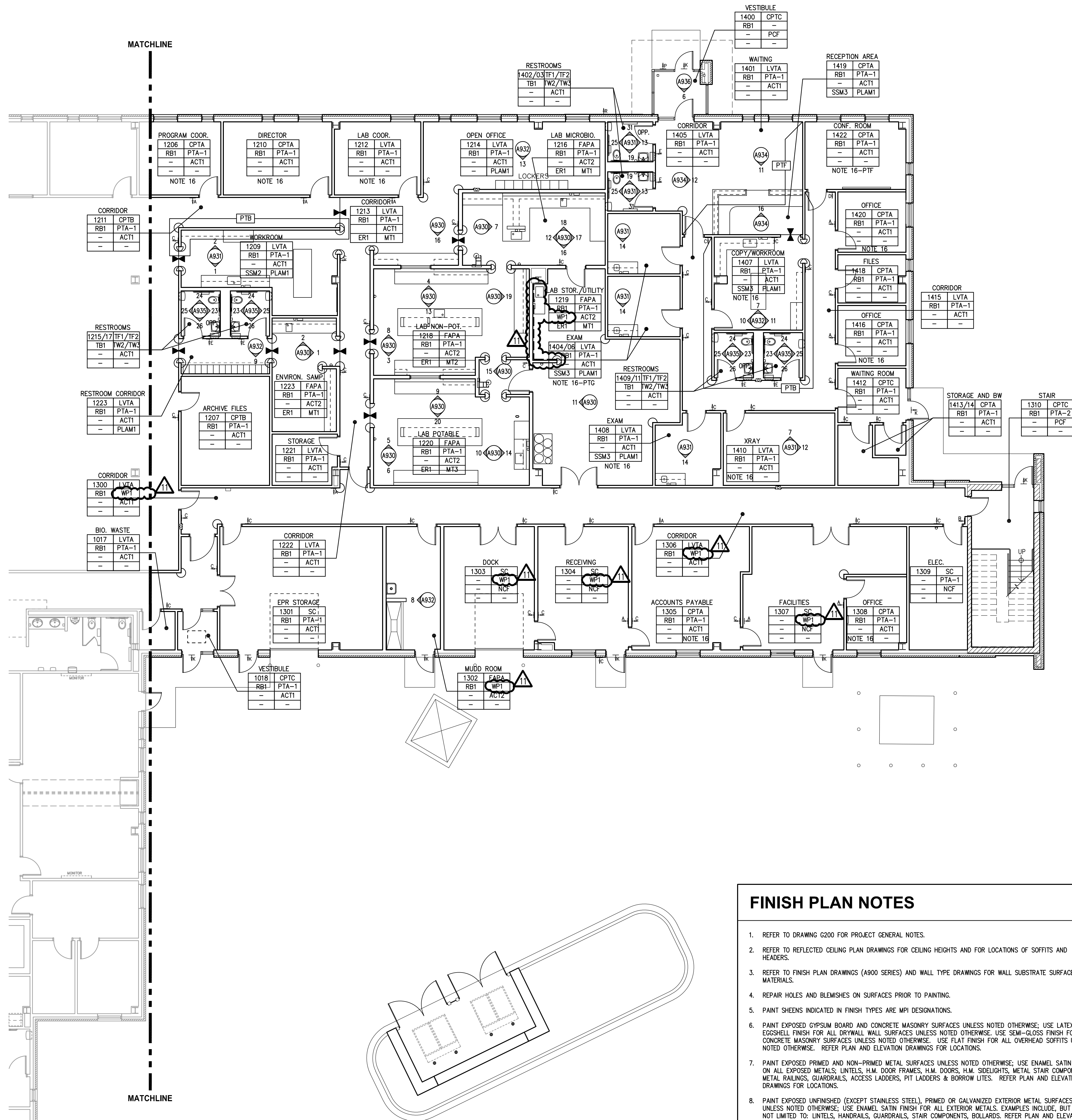
- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.
- GYPSUM WALLS ARE WALL TYPE G3a UNLESS TAGGED OTHERWISE.
- INTERIOR MASONRY WALLS ARE WALL TYPE M8a UNLESS TAGGED OTHERWISE.
- APPLY FIREPROOFING TO STRUCTURAL STEEL COLUMNS AND BEAMS SUPPORTING FIRE RESISTANCE RATED ASSEMBLIES. COORDINATE WITH FIREPROOFING SCHEDULE AND STRUCTURAL STEEL DRAWINGS.
- IN METAL STUD/GYPSUM BOARD PARTITIONS, WALLS AND CEILINGS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED OR CEILING-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.
- PLUMBING CHASES ARE G3z UNLESS NOTED OTHERWISE.

KEY PLAN



| ISSUED | DATE | BY | DESCRIPTION |
|--------|----------|---------|----------------------|
| 1 | 10/11/18 | B.P. #1 | PLAN REVIEW COMMENTS |
| 2 | 10/11/18 | B.P. #1 | ADDENDUM #1 |
| 3 | 11/12/18 | B.P. #1 | PLAN REVIEW COMMENTS |
| 4 | 11/12/18 | B.P. #1 | ADDENDUM #2 |
| 5 | 10/27/18 | B.P. #2 | ADDENDUM #1 |
| 6 | 10/27/18 | B.P. #2 | ADDENDUM #2 |
| 7 | 11/08/18 | B.P. #2 | ADDENDUM #3 |
| 8 | 11/13/18 | B.P. #2 | ADDENDUM #4 |
| 9 | 11/13/18 | B.P. #2 | ADDENDUM #5 |
| 10 | 12/03/18 | B.P. #3 | ADDENDUM #2 |
| 11 | 12/06/18 | B.P. #3 | ADDENDUM #4 |

| | |
|--------------|--------------------------------------|
| JOB NO. | 17-401-1124 |
| DRAWN | HMA |
| CHECKED | CDH |
| APPROVED | CJH |
| SHEET TITLE | PARTIAL SECOND FLOOR PLAN - AREA 'B' |
| SHEET NUMBER | A322 |



FINISH PLAN NOTES

- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- REFER TO REFLECTED CEILING PLAN DRAWINGS FOR CEILING HEIGHTS AND FOR LOCATIONS OF SOFFITS AND HEADERS.
- REFER TO FINISH PLAN DRAWINGS (A900 SERIES) AND WALL TYPE DRAWINGS FOR WALL SUBSTRATE SURFACE MATERIALS.
- REPAIR HOLES AND BLEMISHES ON SURFACES PRIOR TO PAINTING.
- PAINT SHEENS INDICATED IN FINISH TYPES ARE MPI DESIGNATIONS.
- PAINT EXPOSED GYPSUM BOARD AND CONCRETE MASONRY SURFACES UNLESS NOTED OTHERWISE; USE LATEX EGGSHELL FINISH FOR ALL DRYWALL WALL SURFACES UNLESS NOTED OTHERWISE. USE SEMI-GLOSS FINISH FOR ALL CONCRETE MASONRY SURFACES UNLESS NOTED OTHERWISE. USE FLAT FINISH FOR ALL OVERHEAD SOFFITS UNLESS NOTED OTHERWISE. REFER PLAN AND ELEVATION DRAWINGS FOR LOCATIONS.
- PAINT EXPOSED PRIMED AND NON-PRIMED METAL SURFACES UNLESS NOTED OTHERWISE; USE ENAMEL SATIN FINISH ON ALL EXPOSED METALS; LINTELS, H.M. DOOR FRAMES, H.M. SIDELIGHTS, METAL STAIR COMPONENTS, METAL RAILINGS, GUARDRAILS, ACCESS LADDERS, PIT LADDERS & BORROW LITES. REFER PLAN AND ELEVATION DRAWINGS FOR LOCATIONS.
- PAINT EXPOSED UNFINISHED (EXCEPT STAINLESS STEEL), PRIMED OR GALVANIZED EXTERIOR METAL SURFACES UNLESS NOTED OTHERWISE; USE ENAMEL SATIN FINISH FOR ALL EXTERIOR METALS. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO: LINTELS, HANDRAILS, GUARDRAILS, STAIR COMPONENTS, BOLLARDS. REFER PLAN AND ELEVATION DRAWINGS FOR LOCATIONS.
- SEE SIGN TYPE ELEVATIONS AND SIGN SCHEDULES ON SHEETS A951 AND A952
- AT PORCELAIN TILE FLOORS WITH REFERENCE TO THIS NOTE, PROVIDE TF3-6X6 ACCENT TILES WITHIN BASKET-WEAVE PATTERN PER EXAMPLE PATTERN SHOWN ON DRAWINGS AT FIRST FLOOR LOBBY AREA.
- VERIFY FINAL SELECTION OF ACCENT WALL PAINT COLOR WITH ARCHITECT PRIOR TO INSTALLATION.
- VERIFY FINAL SELECTION OF FLOOR FINISHES CPTA AND CPTB WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL GYPSUM CEILINGS AND SOFFITS TO BE PAINTED EXTRA WHITE SW7006 LATEX FLAT. PAINT TO EXTEND TO THE VERTICAL FACE OF DRYWALL BUILDOUT.
- ALL INTERIOR H.M. DOOR FRAMES AND NON-STAINLESS METAL RAILINGS TO BE PAINTED PTH.
- REFER TO INTERIOR ELEVATIONS FOR WALL TILE PATTERNS AND SIZES.
- PROVIDE ACCENT PAINT AT ONE DOOR/WINDOW WALL WITHIN OFFICE/CONSULT SPACE. SEE NOTATION AT INDIVIDUAL ROOM FINISH TAG.

PARTIAL FIRST FLOOR FINISHES PLAN - AREA 'B'

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

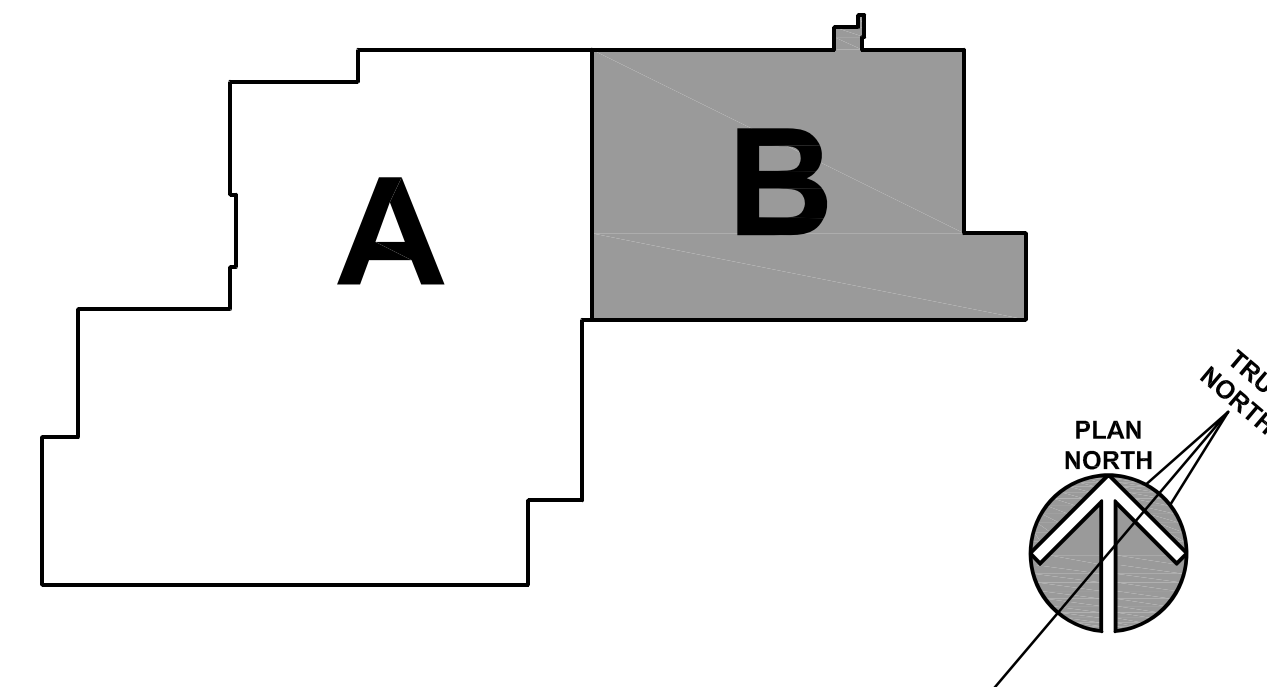
FINISHES SCHEDULE

| AREA | FINISH CODE | MATERIAL | MANUFACTURER | DESCRIPTION |
|---------------------|-------------|--------------------------|------------------|--|
| FLOORING | SC | SEALED CONCRETE | | AT ALL EXPOSED CONCRETE SURFACES - SEE SPECIFICATIONS |
| | CPTA | CARPET TILE | TANDUS | PRODUCT: ATOLL 03333 COLOR: CATKIN 3218 |
| | CPTB | CARPET TILE | TANDUS | SIZE: 24X24 INSTALLATION: QUARTER TURN |
| | CPTC | CARPET TILE (WALKOFF) | TANDUS | PRODUCT: ATOLL 03333 COLOR: BRANCH 13215 |
| | CPTD | CARPET TILE | J&J FLOORING | SIZE: 24X24 INSTALLATION: QUARTER TURN |
| | FAPA | FLUID-APPLIED FLOORING | STONHARD | PRODUCT: ASSERTIVE ACTION 04837 COLOR: FUSION 26217 |
| | LVT A | LUXURY VINYL TILE | J&J FLOORING | SIZE: 24X24 INSTALLATION: QUARTER TURN |
| | SC TA | STATIC CONTROL TILE | ARMSTRONG | PRODUCT: KINETEX TIMBER DEMI PLANK COLOR: TBD |
| | STRA | RUBBER STAIR TREAD | JOHNSONITE | PRODUCT: STONESHIELD SLT COLOR: TBD |
| | TF1 | PORCELAIN TILE | CROSSVILLE | QUARTZ EPOXY, TWO COMPONENT, 1/8" THICK |
| WALL BASE | RB1 | RUBBER BASE | JOHNSONITE | PRODUCT: CLASSICS V5000 COLLECTION |
| | TB1 | PORCELAIN TILE | CROSSVILLE | SIZE: 9X48 PATTERN: LINEAR-WOOD GRAIN COLOR: 1009 HERITAGE |
| | TB2 | PORCELAIN TILE | CROSSVILLE | PRODUCT: EXCELON SDT COLOR: MARBLE BEIGE |
| | TB3 | PORCELAIN TILE | CROSSVILLE | SIZE: 12X12 PATTERN: MOTTLED |
| | PTA-1 | PAINT (LATEX EGGSHELL) | SHERWIN WILLIAMS | PRODUCT: JOHNSONITE STAIRTREADS COLOR: CHARCOAL 20 |
| | PTA-2 | PAINT (LATEX SEMI-GLOSS) | SHERWIN WILLIAMS | TEXTURE: RAISED SQUARES VISUALLY IMPAIRED STRIPE (RUBBER): BLACK |
| | PTB | PAINT (LATEX EGGSHELL) | SHERWIN WILLIAMS | PRODUCT: STRUCTURE PORCELAIN STONE COLOR: AV222 SANDSTONE |
| | PTC | PAINT (LATEX EGGSHELL) | SHERWIN WILLIAMS | SIZE: 12X24 GROUT: LATICRETE (COLOR TBD), 1/8" JOINTS |
| | PTD | PAINT (LATEX EGGSHELL) | SHERWIN WILLIAMS | INSTALLATION: BASKET WEAVE |
| | PTE | PAINT (LATEX EGGSHELL) | SHERWIN WILLIAMS | PRODUCT: STRUCTURE PORCELAIN STONE COLOR: AV222 SANDSTONE |
| WALLS | PTF | PAINT (LATEX EGGSHELL) | SHERWIN WILLIAMS | SIZE: 6X6 GROUT: LATICRETE (COLOR TBD), 1/8" JOINTS |
| | PTG | PAINT (LATEX EGGSHELL) | SHERWIN WILLIAMS | INSTALLATION: BASKET WEAVE |
| | PTH | PAINT - ENAMEL SATIN | SHERWIN WILLIAMS | PRODUCT: STRUCTURE PORCELAIN STONE COLOR: AV224 TIMBER |
| | PTJ | PAINT - ENAMEL SATIN | SHERWIN WILLIAMS | SIZE: 6X6 GROUT: LATICRETE (COLOR TBD), 1/8" JOINTS |
| | TW1 | PORCELAIN TILE | CROSSVILLE | INSTALLATION: BASKET WEAVE |
| | TW2 | PORCELAIN TILE | CROSSVILLE | PRODUCT: STRUCTURE PORCELAIN STONE COLOR: AV224 TIMBER |
| | TW3 | PORCELAIN TILE | CROSSVILLE | SIZE: 12X24 GROUT: LATICRETE (COLOR TBD), 1/8" JOINTS |
| | TW4 | PORCELAIN TILE | CROSSVILLE | INSTALLATION: BOND AS SHOWN ON DRAWINGS |
| | TW5 | PORCELAIN TILE | CROSSVILLE | PRODUCT: STRUCTURE PORCELAIN STONE COLOR: AV222 SANDSTONE |
| | TW6 | PORCELAIN TILE | CROSSVILLE | SIZE: 6X24 GROUT: LATICRETE (COLOR TBD), 1/8" JOINTS |
| WALL PROTECTION | CG1 | CORNER GUARDS | KOROGARD | INSTALLATION: BOND AS SHOWN ON DRAWINGS |
| | WP1 | WALL PROTECTION | KOROGARD | PRODUCT: G815 |
| CEILINGS | ACT1 | ACOUSTIC CEILING TILE | ARMSTRONG | SIZE: 1-1/2" COLOR: TBD FULL HEIGHT |
| | ACT2 | SCRUBBABLE CEILING TILE | ARMSTRONG | PRODUCT: TRAFFIC PATTERNS STP3K721281; COLOR: TBD |
| | NCF | NO CEILING FINISH | | INSTALL WITH PATTERN RUNNING VERTICALLY, J MOLD AT TOP |
| | PCF | PAINTED CEILING FINISH | | |
| | CP | PAINT (LATEX FLAT) | | |
| | SSM1 | SOLID SURFACE | WILSONART | |
| COUNTERTOP MATERIAL | SSM2 | SOLID SURFACE | WILSONART | PRODUCT: G815 |
| | SSM3 | SOLID SURFACE | WILSONART | SIZE: 1-1/2" COLOR: TBD FULL HEIGHT |
| | ER1 | EPOXY RESIN | DURCON | PRODUCT: TRAFFIC PATTERNS STP3K721281; COLOR: TBD |
| | PLAM1 | PLASTIC LAMINATE | WILSONART | INSTALL WITH PATTERN RUNNING VERTICALLY, J MOLD AT TOP |
| | PLAM2 | DECORATIVE METAL LAM. | WILSONART | |
| | PLAM3 | PLASTIC LAMINATE | WILSONART | |
| MILLWORK | MT1 | METAL LAB CASEWORK | KEWANE | PRODUCT: G815 |
| | MT2 | METAL LAB CASEWORK | KEWANE | SIZE: 1-1/2" COLOR: TBD FULL HEIGHT |
| | MT3 | METAL LAB CASEWORK | KEWANE | PRODUCT: TRAFFIC PATTERNS STP3K721281; COLOR: TBD |
| SPECIALTY | | | | INSTALL WITH PATTERN RUNNING VERTICALLY, J MOLD AT TOP |
| | | | | |

LEGEND

| ROOM NUMBER | ROOM NAME | FLOORING | FLOOR TRANSITION | SIGN TYPE AND SYMBOL |
|-------------|-----------|-------------|------------------|----------------------|
| 000 | CPT | FLOORING | | |
| RB1 | PTI | WALL FINISH | | |
| TW1 | APC | CEILING | | |
| SSM | PLAM | MILLWORK | | |

KEY PLAN



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WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL
501 ELLA AVENUE
JOLIET, IL 60433

| ISSUED | BY | DATE | REVISION |
|--------|----------|------|--------------------------|
| 1 | 10/11/18 | B.P. | 1 - PLAN REVIEW COMMENTS |
| 2 | 10/11/18 | B.P. | 2 - PLAN REVIEW COMMENTS |
| 3 | 11/12/18 | B.P. | 3 - PLAN REVIEW COMMENTS |
| 4 | 11/12/18 | B.P. | 4 - ADDENDUM #1 |
| 5 | 11/12/18 | B.P. | 5 - ADDENDUM #2 |
| 6 | 11/12/18 | B.P. | 6 - ADDENDUM #3 |
| 7 | 11/12/18 | B.P. | 7 - ADDENDUM #4 |
| 8 | 11/12/18 | B.P. | 8 - ADDENDUM #5 |
| 9 | 11/12/18 | B.P. | 9 - ADDENDUM #6 |
| 10 | 12/03/18 | B.P. | 10 - ADDENDUM #7 |
| 11 | 12/03/18 | B.P. | 11 - ADDENDUM #8 |

| | |
|--------------|--|
| JOB NO. | 17-401-1124 |
| DRAWN | HMA |
| CHECKED | CDH |
| APPROVED | CJH |
| SHEET TITLE | PARTIAL FIRST FLOOR FINISHES PLAN - AREA 'B' |
| SHEET NUMBER | A912 |

LAB CASEWORK SCHEDULE

| TAG | TYPE | WIDTH | HEIGHT | DEPTH | DESCRIPTION |
|-----|------|-------|---------|-------|--|
| A | BASE | 48" | 35-3/4" | 22" | BASE W/ SWING DOORS |
| B | BASE | 24" | 35-3/4" | 22" | DRAWER BASE |
| C | SINK | 24" | 35-3/4" | 22" | |
| D | SINK | 36 | 35-3/4" | 22" | |
| E | SINK | 52 | 35-3/4" | 22" | |
| F | BASE | 18" | 30" | 16" | DRAWER BASE |
| G | WALL | 48" | 36" | 16" | SLIDING GLASS DOORS AND ADJUSTABLE SHELVES |
| H | BASE | 12" | 35-3/4" | 22" | |
| J | WALL | 30" | 36" | 16" | SLIDING GLASS DOORS AND ADJUSTABLE SHELVES |
| K | BASE | 48" | 35-3/4" | - | FUME HOOD BASE |
| L | BASE | 15" | 35-3/4" | 22" | |
| M | | | | | OPEN SHELVING ON SUPPORTS |
| N | BASE | 48" | 35-3/4" | 22" | DRAWER BASE |
| P | BASE | 48" | 35-3/4" | 22" | |
| R | BASE | 36" | 35-3/4" | 22" | |
| S | WALL | 48" | 36" | 16" | TWO SIDE UPPER CABINET - SLIDING GLASS DOORS |
| T | WALL | 36" | 84" | 22" | FULL HEIGHT STORAGE CABINET - SLIDING GLASS DOORS |
| U | BASE | 36" | 35-3/4" | 22" | DRAWER BASE |
| V | WALL | 30" | 30" | 16" | SLIDING GLASS DOORS AND ADJUSTABLE SHELVES |
| W | BASE | 12" | 35-3/4" | 22" | OPEN FOR OWNER TRASH CAN WITH FULL METAL PIPE CHASE AT REAR OF TRASH CAN OPENING. UNIT SHALL BE 12" CLEAR WIDTH. PIPE CHASE COVER SHALL BE EASILY REMOVABLE. |

GENERAL LAB CASEWORK NOTES

- ALL CABINETS TO BE STEEL, BASED ON KEWAUNEE SCIENTIFIC CORPORATION LABORATORY FURNITURE, SEE SPECIFICATION.
- ANCHOR COUNTERTOPS SECURELY TO BASE UNITS. COUNTERTOPS SHALL BE CHEMICAL RESISTANT EPOXY RESIN, SEE SPECIFICATION.
- PULLS FOR BASE CABINETS AND DRAWERS TO BE STANDARD ALUMINUM RECESSED PULLS. AT DRAWERS, PULL TO BE CENTERED AT THE TOP, AT DOORS, PULL TO BE PLACED ON THE TOP "OPEN" CORNER.
- COUNTER SUPPORT BRACKETS SHALL BE RAKKS, EH SERIES, MANUFACTURED BY RANGINE CORPORATION (800-826-6006). MATERIAL: 6065-T6 EXTRUDED ALUMINUM, 1"-SHAPED HORIZONTAL LEG AND 2"x2"x24" L-SHAPED VERTICAL LEG THAT IS SLOTTED TO THE SIDE OF THE STUD. AFTER INSTALLATION OF THE BRACKET, DRYWALL IS MOUNTED TO THE STUDS, HIDING THE VERTICAL SUPPORT LEG. BRACKETS SHALL BE PAINTED TO MATCH COUNTERTOP MATERIAL.
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

KEYNOTES

KEYNOTES ARE NOT ALWAYS REPEATED ACROSS ALL DRAWINGS ON THIS SHEET. AN UN-KEYNOTED ITEM ON THIS SHEET IS THE SAME AS A KEYNOTED ITEM ON THIS SHEET HAVING THE SAME GRAPHIC APPEARANCE.

- 1.108 OWNER-PROVIDED ITEM (N.I.C.): OFFICE EQUIPMENT; TRASH RECEPTACLE.
 1.173 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: COMMERCIAL EQUIPMENT; DE-IONIZED WATER SYSTEM.
- 6.461 CASEWORK ACCESSORY: COUNTER SUPPORT BRACKET. METAL. REFER TO SPECIFICATIONS.
- 8.111 STEEL INTERIOR WINDOW FRAME: REFER TO DOOR, FRAME AND BORROWED LIGHT SCHEDULE.
- 9.651 RESILIENT BASE: REFER TO A900 SERIES DRAWINGS.
- 10.280 TOILET ACCESSORY: TYPE AS INDICATED; REFER TO TOILET ACCESSORY SCHEDULE ON A500 SERIES.
- 11.530 LABORATORY EQUIPMENT: REFER TO SHEET A500 FOR SCHEDULE.
 11.531 LABORATORY EQUIPMENT: FUME HOOD; TYPE FH1 WITH CUP SINK, COLD WATER FAUCET, INTERIOR LIGHTING & INTERIOR HOOD POWER RECEPTACLE. REFER TO SPECIFICATIONS.
 11.532 LABORATORY EQUIPMENT: FUME HOOD; TYPE FH2 WITH INTERIOR HOOD LIGHTING AND INTERIOR HOOD POWER RECEPTACLE. REFER TO SPECIFICATIONS.
 11.535 LABORATORY EQUIPMENT ACCESSORY: FUME HOOD CEILING EXTENSION; EXTEND THROUGH CEILING AND FRAME CEILING INTO SIDES OF EXTENSION PANELS.
- 12.340 METAL LABORATORY CASEWORK: CONFIGURATION AS INDICATED.
 12.342 METAL LABORATORY CASEWORK: BASE CABINETS WITH RAISED PIPE CHASE AND UPPER COUNTERTOP.
 12.344 METAL LABORATORY CASEWORK: UPPER CABINETS WITH GLASS DOORS.
 12.345 METAL LABORATORY CASEWORK: UPPER CABINETS REINFORCED UTILITY SERVICE SUPPORT COLUMN WITH UTILITY CHASE EXTENDING FROM CEILING TO TOP OF COUNTERTOP WITH REMOVABLE COVERS. UTILITY SERVICE UPRIGHT SHALL ALSO SUPPORT THE UPPER CABINET SYSTEMS.
- 12.346 METAL LABORATORY CASEWORK: UPPER CABINET SUPPORT COLUMN UPRIGHT; 18" HIGH X 4 INCHES WIDE.
 12.347 LABORATORY COUNTERTOP: CHEMICAL-RESISTANT EPOXY RESIN; 1" EDGE THICKNESS, U.N.O.
 12.348 LABORATORY COUNTERTOP: CHEMICAL-RESISTANT EPOXY RESIN; 1" EDGE THICKNESS, U.N.O. OVER TOP OF RAISED PIPE CHASE.
- 12.349 METAL LABORATORY CASEWORK: BASE CABINETS COMPONENT: 2 INCH WIDE FULL END PANEL.
- 12.374 COUNTERTOP BACK/SIDE SPLASH: 4" HIGH; SAME MATERIAL AS COUNTERTOP.
 12.376 COUNTERTOP BACK/SIDE SPLASH: 5" HIGH; SAME MATERIAL AS COUNTERTOP.
- 22.402 PLUMBING FIXTURE: SAFETY SHOWER UNIT; REFER TO PLUMBING DRAWINGS.
- 23.302 MECHANICAL EQUIPMENT: CONDENSATE HOOD; REFER TO MECHANICAL DRAWINGS.

GENERAL NOTES

- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- REFER TO A400 SERIES REFLECTED CEILING PLAN DRAWINGS FOR CEILING HEIGHTS.
- COORDINATE CEILING HEIGHTS WITH SECTIONS AND DETAILS.
- COORDINATE LOCATIONS OF WALL-MOUNTED ELECTRICAL ITEMS WITH ARCHITECTURAL ITEMS TO ENSURE NO OVERLAP.
- SEE CASEWORK SCHEDULE ON SHEET A931

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LAB 1216 / CORRIDOR 1213

SCALE: 1/4" = 1'-0"

16

LAB STORAGE 1219

SCALE: 1/4" = 1'-0"

11

LAB 1220

SCALE: 1/4" = 1'-0"

6

LAB 1220

SCALE: 1/4" = 1'-0"

15

LAB 1220

SCALE: 1/4" = 1'-0"

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LAB 1220

SCALE: 1/4" = 1'-0"

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LAB 1220

SCALE: 1/4" = 1'-0"

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LAB 1220

SCALE: 1/4" = 1'-0"

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LAB 1220

SCALE: 1/4" = 1'-0"

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LAB 1218

SCALE: 1/4" = 1'-0"

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LAB 1218

SCALE: 1/4" = 1'-0"

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LAB 1218

SCALE: 1/4" = 1'-0"

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LAB 1218

SCALE: 1/4" = 1'-0"

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LAB 1218

SCALE: 1/4" = 1'-0"

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LAB 1216

SCALE: 1/4" = 1'-0"

18

LAB 1216

SCALE: 1/4" = 1'-0"

17

LAB 1216

SCALE: 1/4" = 1'-0"

12

LAB 1216

SCALE: 1/4" = 1'-0"

7

ENVIR. SAMPLING 1223

SCALE: 1/4" = 1'-0"

2

ENVIRONMENTAL SAMPLING 1223

SCALE: 1/4" = 1'-0"

1

KEYNOTES

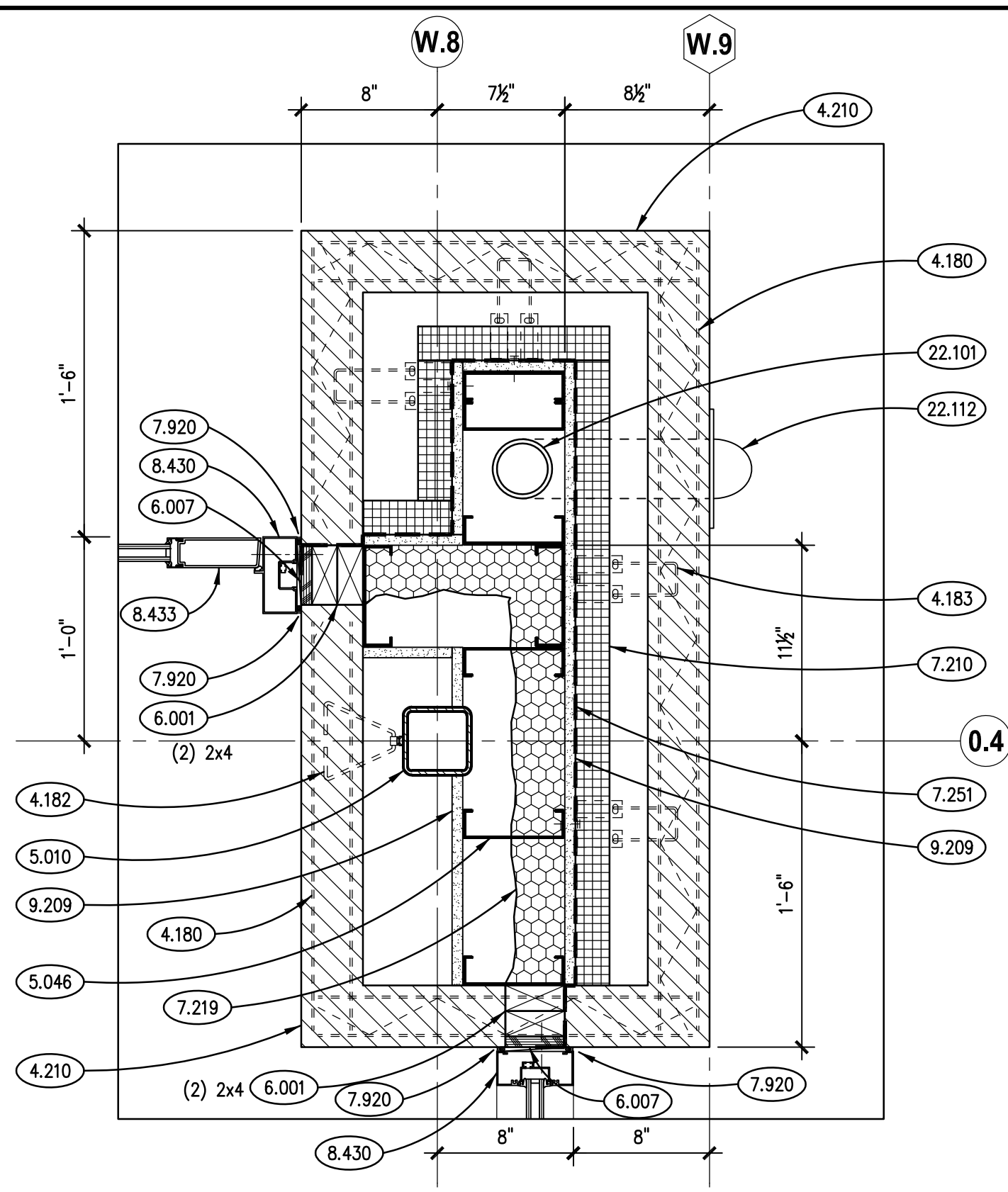
- KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.
- 4.180 MASONRY ANCHORAGE AND REINFORCEMENT: CONTINUOUS JOINT REINFORCEMENT; SINGLE WYTHE; 16" O.C. VERTICAL SPACING.
 - 4.182 MASONRY ANCHORAGE AND REINFORCEMENT: FLEXIBLE MASONRY ANCHOR; FOR ATTACHMENT TO STRUCTURAL STEEL MEMBERS.
 - 4.183 MASONRY ANCHORAGE AND REINFORCEMENT: MASONRY VENEER ANCHOR; FOR ATTACHMENT TO COLD-FORMED METAL STUDS.
 - 4.192 MASONRY ACCESSORY: EXPANSION JOINT MATERIAL.
 - 4.210 BRICK MASONRY VENEER: MODULAR; RUNNING BOND; REFER TO SPECIFICATIONS.
 - 4.30 STONE MASONRY VENEER: REFER TO ARCHITECTURAL ELEVATION/SECTION DRAWINGS FOR COURSING AND TYPE.
 - 4.721 CAST STONE MASONRY: SILL COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES. SLOPE TOP TO DRAIN AS SHOWN. RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD JOINTS.
 - 4.722 CAST STONE MASONRY: HEADER COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES. SLOPE TOP TO DRAIN AS SHOWN. RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD JOINTS.
 - 5.010 STRUCTURAL STEEL: FRAMING MEMBER; REFER TO STRUCTURAL DRAWINGS.
 - 5.042 COLD-FORMED METAL FRAMING: 2" Z-FLOORING; HORIZONTALLY @ 24" O.C.
 - 5.046 COLD-FORMED METAL FRAMING: 6" STUD; REFER TO STRUCTURAL DRAWINGS.
 - 6.001 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS INDICATED; REFER TO SCHEDULE FOR TREATMENT.
 - 6.002 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS REQUIRED; REFER TO SCHEDULE FOR TREATMENT.
 - 6.007 PLYWOOD: 3/4" THICK; REFER TO SPECIFICATIONS FOR TREATMENT.
 - 7.210 INSULATION: BOARD; EXTRUDED POLYSTYRENE (XPS); MIN. R-5.4 PER INCH THICKNESS; 2" THICKNESS UNLESS INDICATED OTHERWISE.
 - 7.213 INSULATION: MINERAL FIBER BOARD; MIN. R-4.2 PER INCH THICKNESS; THICKNESS TO FILL CAVITY UNLESS INDICATED OTHERWISE.
 - 7.214 INSULATION: MINERAL FIBER BOARD; MIN. R-4.2 PER INCH THICKNESS; 2" THICKNESS UNLESS INDICATED OTHERWISE.
 - 7.219 FOAMED-IN-PLACE INSULATION: THICKNESS AS REQUIRED TO ACHIEVE A MINIMUM THERMAL RESISTANCE OF R-21 (UNLESS NOTED OTHERWISE); APPLY INTUMESCENT COATING TO ALL SURFACES NOT SEPARATED FROM THE BUILDING INTERIOR BY GYPSUM WALLBOARD.
 - 7.251 WEATHER BARRIER COATING: SPRAY-APPLIED; REFER TO SPECIFICATIONS.
 - 7.421 METAL WALL PANEL SYSTEM COMPONENT: METAL WALL PANEL; PREFINISHED STEEL; REFER TO SPECIFICATIONS.
 - 7.422 METAL WALL PANEL SYSTEM COMPONENT: SUBGIRT.
 - 7.423 METAL WALL PANEL SYSTEM COMPONENT: PANEL ATTACHMENT CLIP.
 - 7.424 METAL WALL PANEL SYSTEM COMPONENT: SUPPLEMENTARY SUPPORT CLIP.
 - 7.425 METAL WALL PANEL SYSTEM ACCESSORY: PREFINISHED EXTRUDED ALUMINUM SILL TRIM.
 - 7.426 METAL WALL PANEL SYSTEM ACCESSORY: PREFINISHED EXTRUDED ALUMINUM HEAD/JAMB TRIM.
 - 7.428 METAL WALL PANEL SYSTEM ACCESSORY: PREFINISHED BRASS/METAL FLASHING; CONFIGURATION AS INDICATED; FINISH TO MATCH PANELS WHERE EXPOSED TO VIEW. SET IN CONTINUOUS SEALANT BEAD AND SEAL LAPS.
 - 7.429 METAL WALL PANEL SYSTEM ACCESSORY: METAL-GLAD COMPOSITION CLOSURE; INSTALL IN CONTINUOUS BEAD OF NON-CURING BUTYL SEALANT AND SEAL LAPS AND ENLAPS BETWEEN CLOSURE PICES.
 - 7.629 METAL JAMB FLASHING AT OVERHEAD DOOR: PREFINISHED ALUMINUM; 0.032" THICK; COLOR TO MATCH ADJACENT BRICK/STONE OR SILL AND HEAD DOORS.
 - 7.810 SPRAY-APPLIED FIBROCKING: MEETING SCHEDULED FIRE RATINGS; REFER TO SPECIFICATIONS.
 - 7.920 JOINT SEALANT: REFER TO SCHEDULE IN SPECIFICATION SECTION 07 82 00; PROVIDE BACKER ROD OR BOND BREAKER.
 - 8.360 SECTIONAL OVERHEAD DOOR: 8'-0" WIDE X 9'-4" TALL.
 - 8.361 SECTIONAL OVERHEAD DOOR WEATHERSTRIPPING.
 - 8.430 ALUMINUM STOREFRONT FRAMING.
 - 8.433 ALUMINUM DOOR: REFER TO DOOR, FRAME AND BORROWED LIGHT SCHEDULE.
 - 8.437 ALUMINUM STOREFRONT ACCESSORY: 0.032" SHEET ALUMINUM HEAD/JAMB FLASHING; FINISH TO MATCH STOREFRONT FRAMING; SET IN CONTINUOUS SEALANT BEAD AND SEAL LAPS.
 - 8.440 ALUMINUM CURTAIN WALL FRAMING.
 - 9.209 GYPSUM BOARD: 5/8" THK.; EXTERIOR GRADE, GLASS MAT FACED.
 - 9.210 GYPSUM BOARD: 5/8" THK.; TYPE "X".
 - 9.213 CEMENT BOARD: 1/2" THICK.
 - 9.215 GYPSUM BOARD ACCESSORY: ACOUSTICAL INSULATION: SOUND ATTENUATION BATTS; THICKNESS AS SPECIFIED.
 - 9.216 GYPSUM BOARD ACCESSORY: CONTROL JOINT.
 - 9.217 GYPSUM BOARD ACCESSORY: CORNER BEAD.
 - 9.218 GYPSUM BOARD ACCESSORY: EDGE TRIM; "L" PROFILE.
 - 9.221 METAL STUD FRAMING: 1-5/8" STUD; 16" O.C. SPACING; 20 GAUGE UNLESS NOTED OTHERWISE; ANCHORAGE TO SUIT APPLICATION.
 - 9.223 METAL STUD FRAMING: 3-5/8" STUD; 16" O.C. SPACING; 20 GAUGE UNLESS NOTED OTHERWISE; ANCHORAGE TO SUIT APPLICATION.
 - 9.226 METAL STUD FRAMING: 6" STUD; 16" O.C. SPACING; 20 GAUGE UNLESS NOTED OTHERWISE; ANCHORAGE TO SUIT APPLICATION.
 - 12.368 COUNTERTOP: SOLID SURFACE WINDOW SILL; 1/2" EDGE THICKNESS WITH 1/2" PROJECTION; EASED TOP EDGE, AND 1/2" THICK X 2" HIGH APRON BENEATH, U.N.O.
 - 22.101 PLUMBING PIPING: ROOF DRAIN DOWNSPOUT; REFER TO PLUMBING DRAWINGS.
 - 22.112 PLUMBING PIPING SPECIALTY: DOWNSPOUT NOZZLE; REFER TO PLUMBING DRAWINGS.

GENERAL NOTES

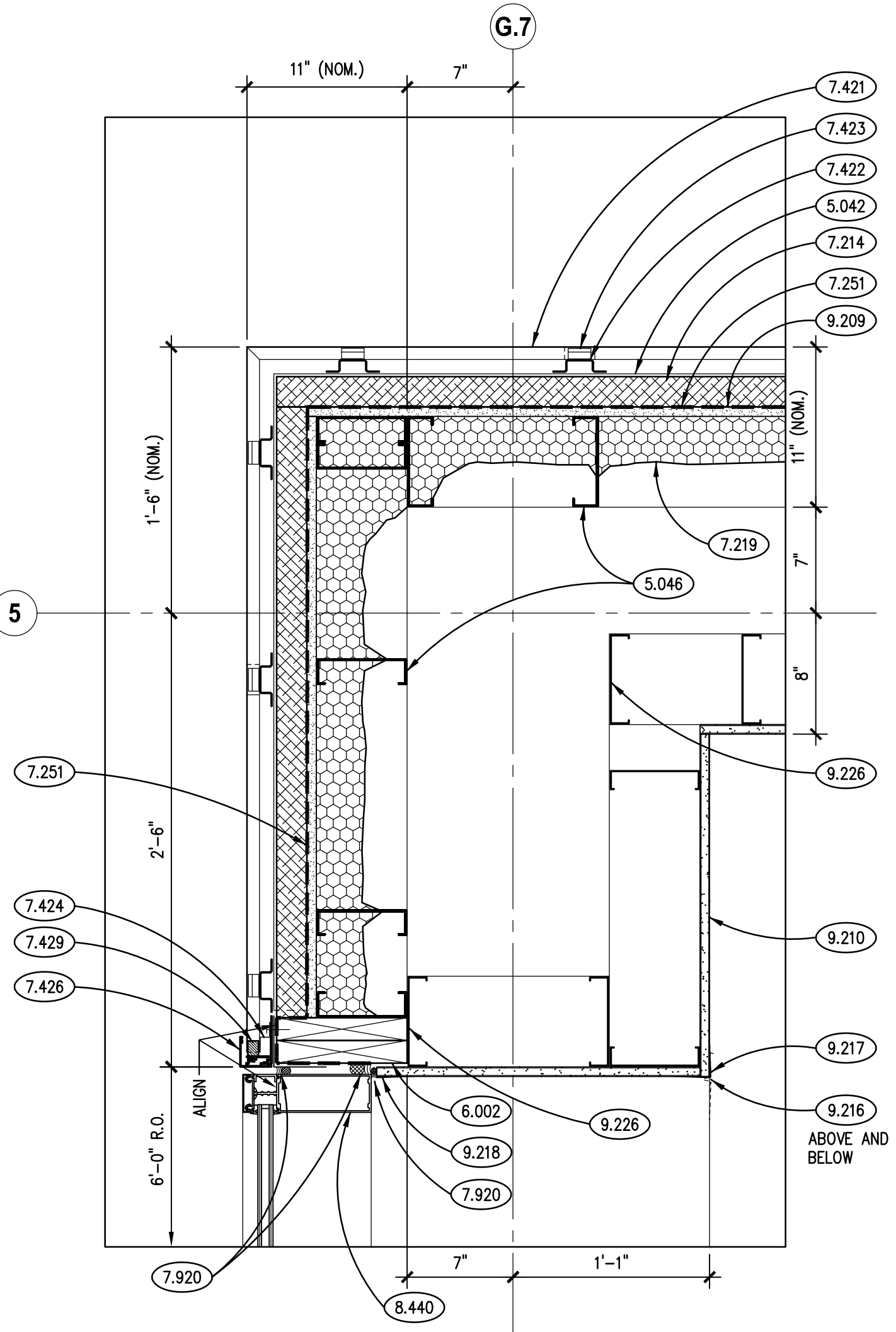
1. REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
2. COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.
3. IN METAL STUD/GYPSUM BOARD PARTITIONS, WALLS & CEILINGS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED AND CEILING MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.
4. WHERE DETAILS REQUIRE JOINT SEALANT TO SEAL WEATHER BARRIER COATING TO ADJACENT CONSTRUCTION AT OPENINGS AND PENETRATIONS, PROVIDE BOND TESTING TO PROVE THAT JOINT SEALANT BONDS ADEQUATELY TO WEATHER BARRIER COATING, OR PROVIDE 0.032" ALUMINUM CORNER FLASHING, SEALED TO WEATHER BARRIER.

| ISSUED | DATE | BY | DESCRIPTION |
|--------|----------|---------|----------------------|
| 1 | 10/10/18 | B.P. #1 | ADDENDUM #1 |
| 2 | 10/10/18 | B.P. #1 | ADDENDUM #2 |
| 3 | 11/12/18 | B.P. #1 | PLAN REVIEW COMMENTS |
| 4 | 11/12/18 | B.P. #2 | ADDENDUM #3 |
| 5 | 10/27/18 | B.P. #2 | ADDENDUM #4 |
| 6 | 10/27/18 | B.P. #2 | ADDENDUM #5 |
| 7 | 11/08/18 | B.P. #2 | ADDENDUM #6 |
| 8 | 11/13/18 | B.P. #2 | ADDENDUM #7 |
| 9 | 11/13/18 | B.P. #2 | ADDENDUM #8 |
| 10 | 12/05/18 | B.P. #3 | ADDENDUM #9 |
| 11 | 12/05/18 | B.P. #3 | ADDENDUM #10 |

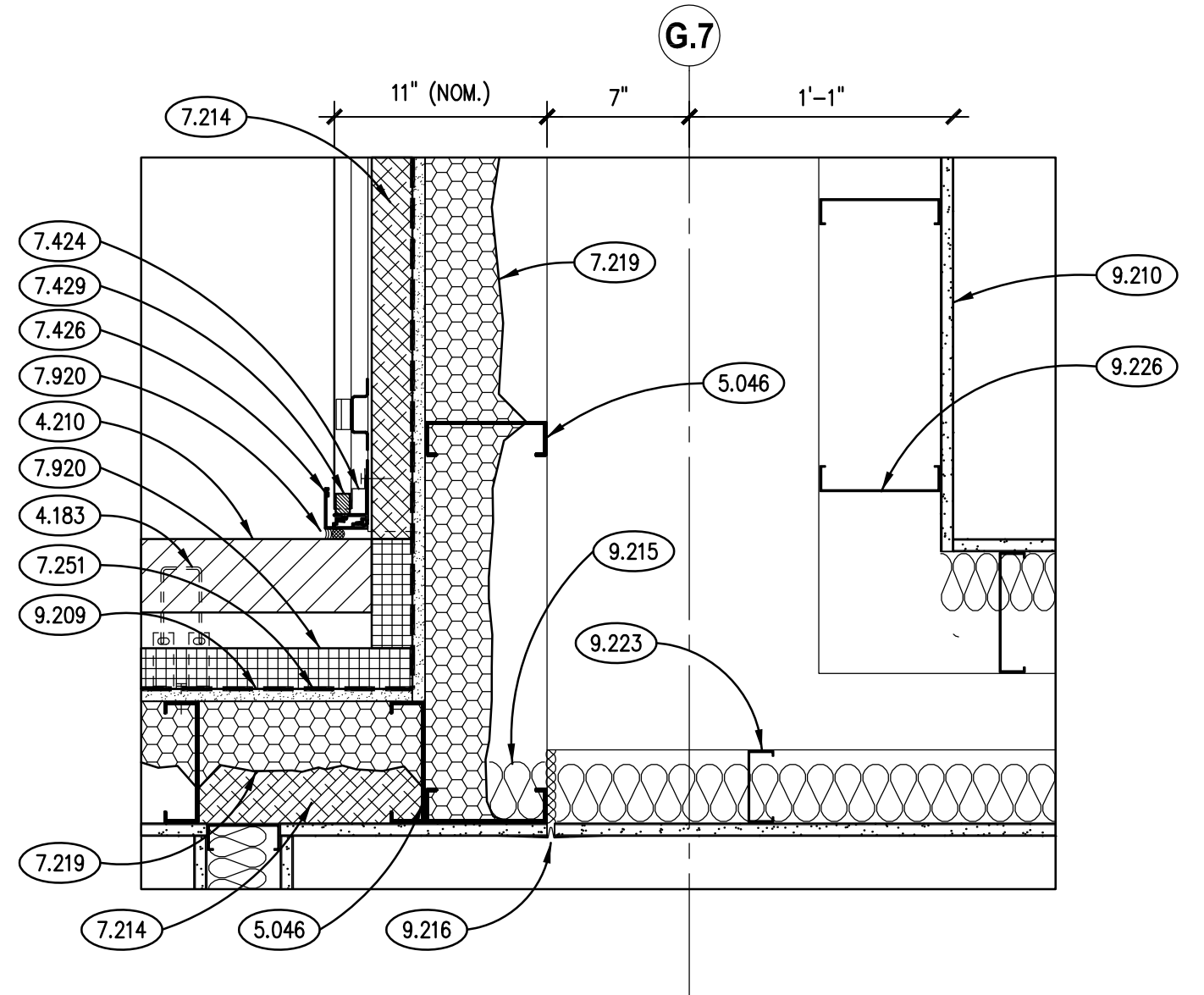
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|--------------|-------------|
| JOB NO. | 17-401-1124 |
| DRAWN | CDH |
| CHECKED | CDH |
| APPROVED | CJH |
| SHEET TITLE | |
| PLAN DETAILS | |
| SHEET NUMBER | |



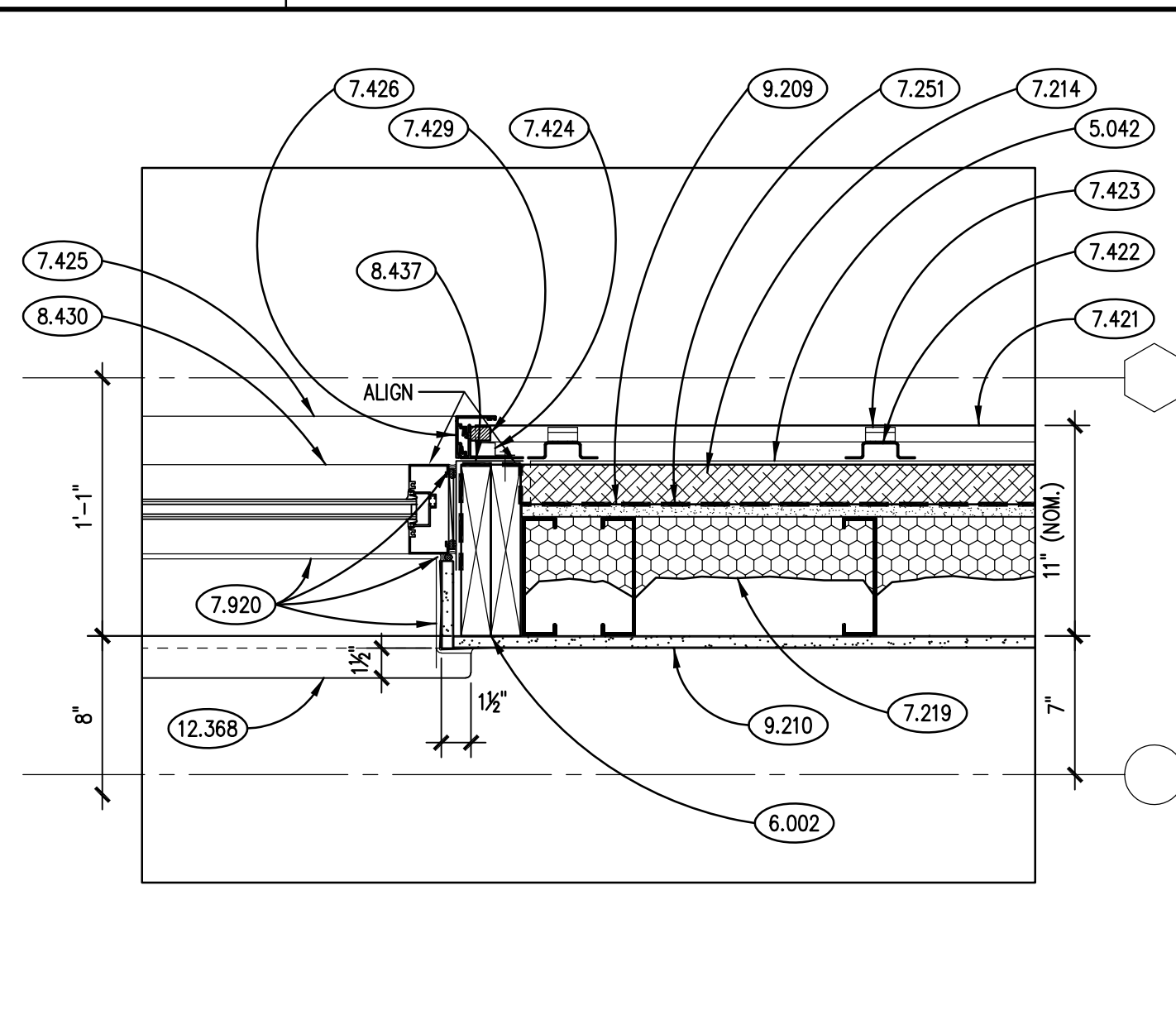
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SCALE: 1 1/2" = 1'-0"



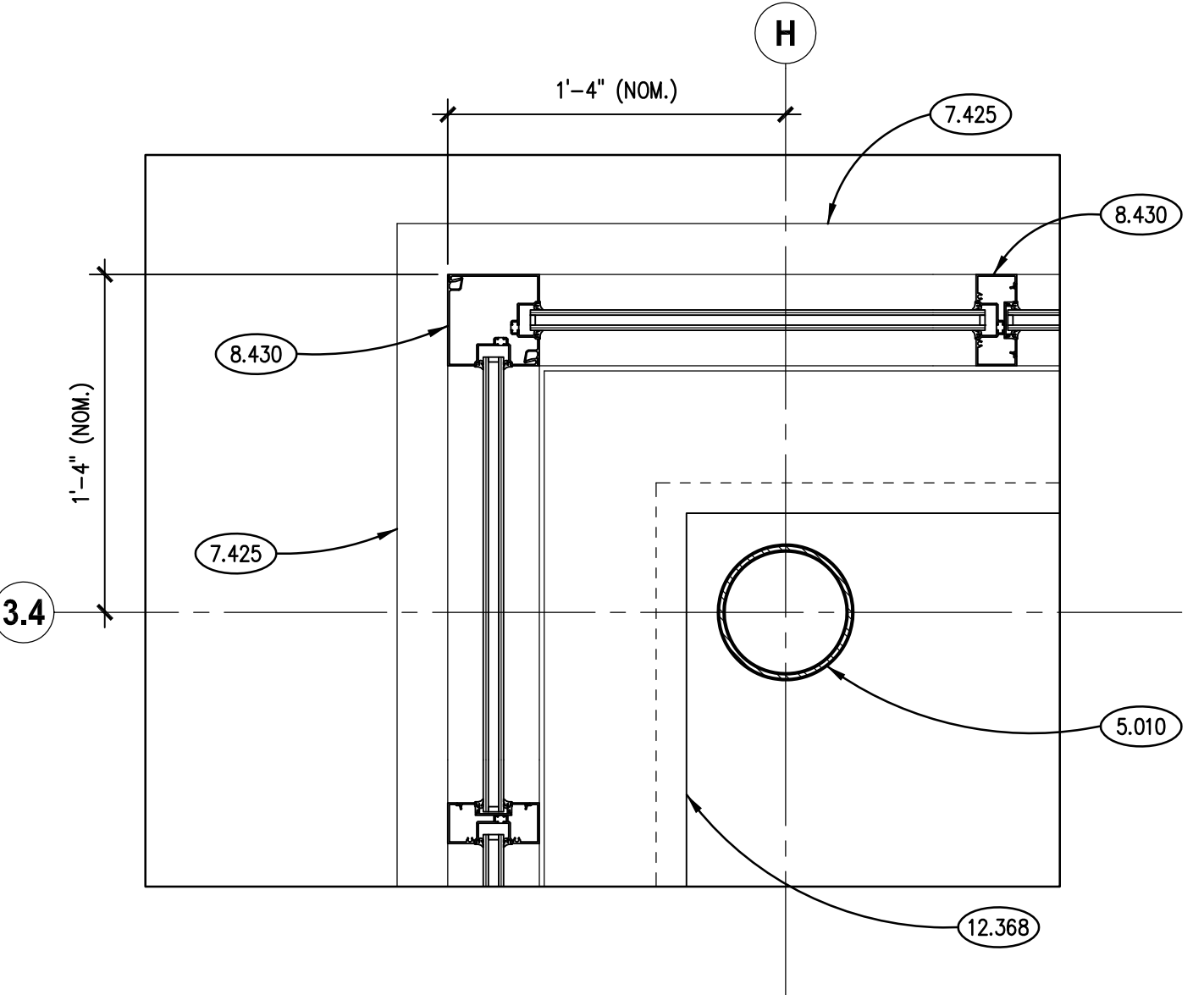
PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



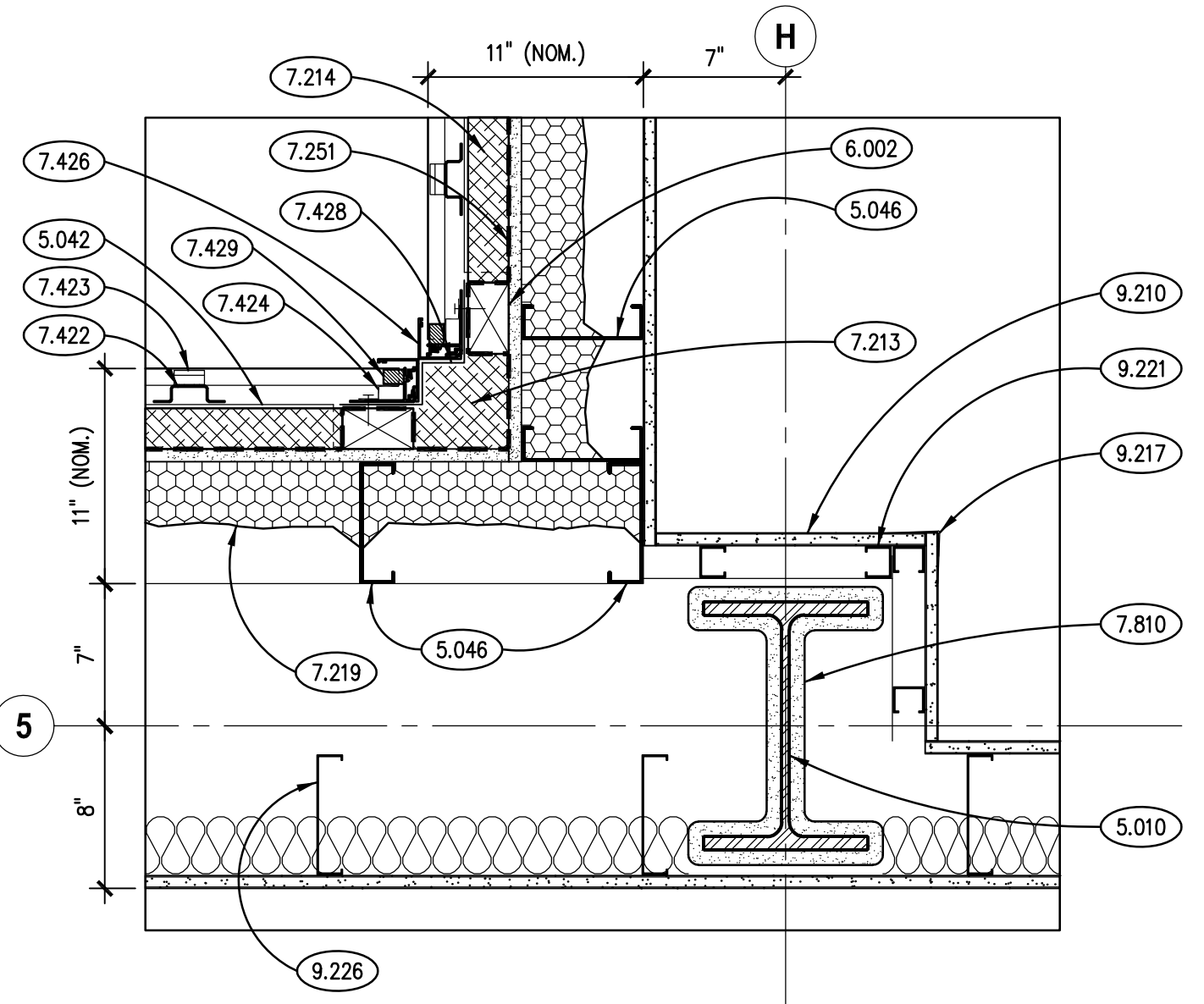
PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



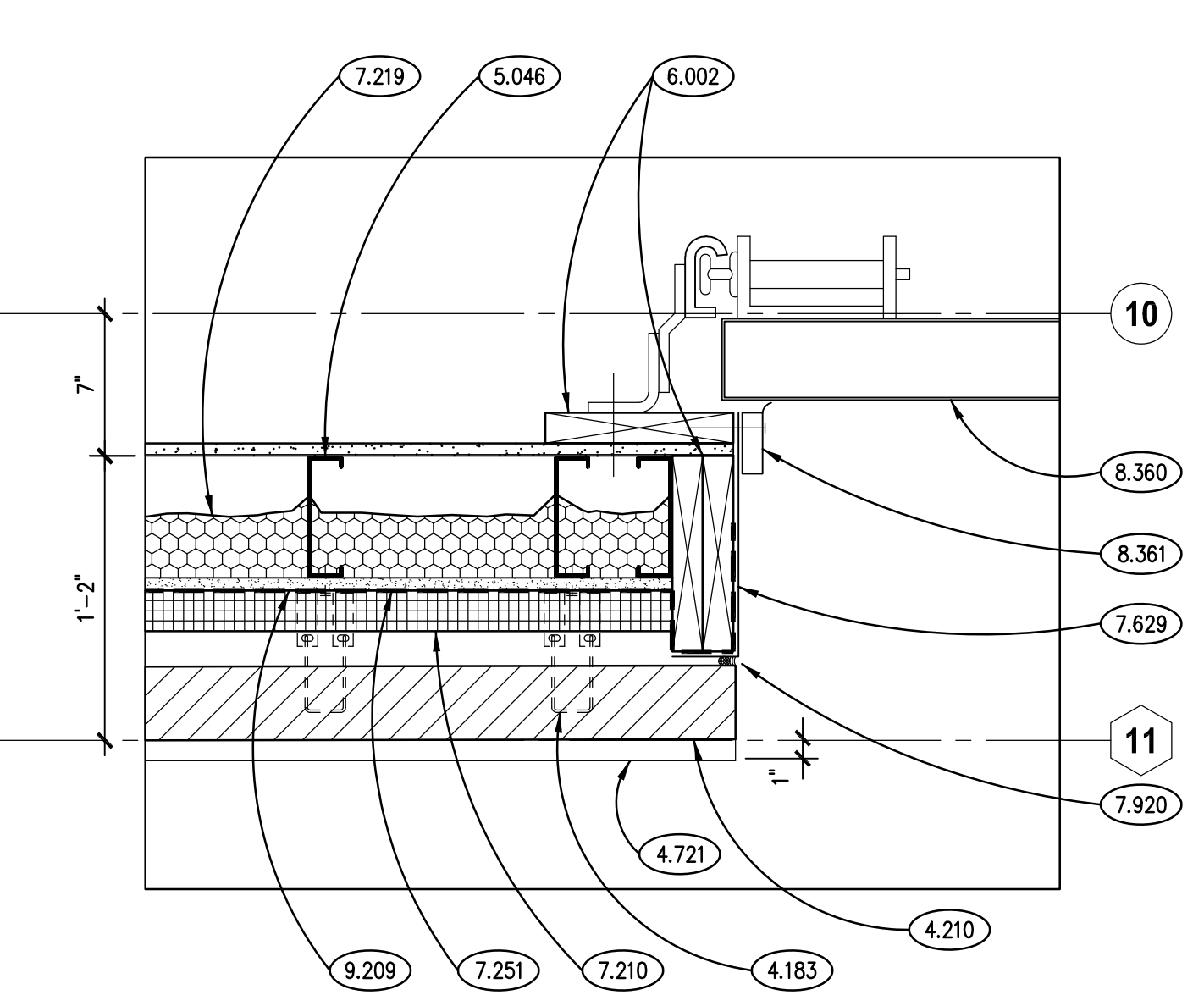
PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



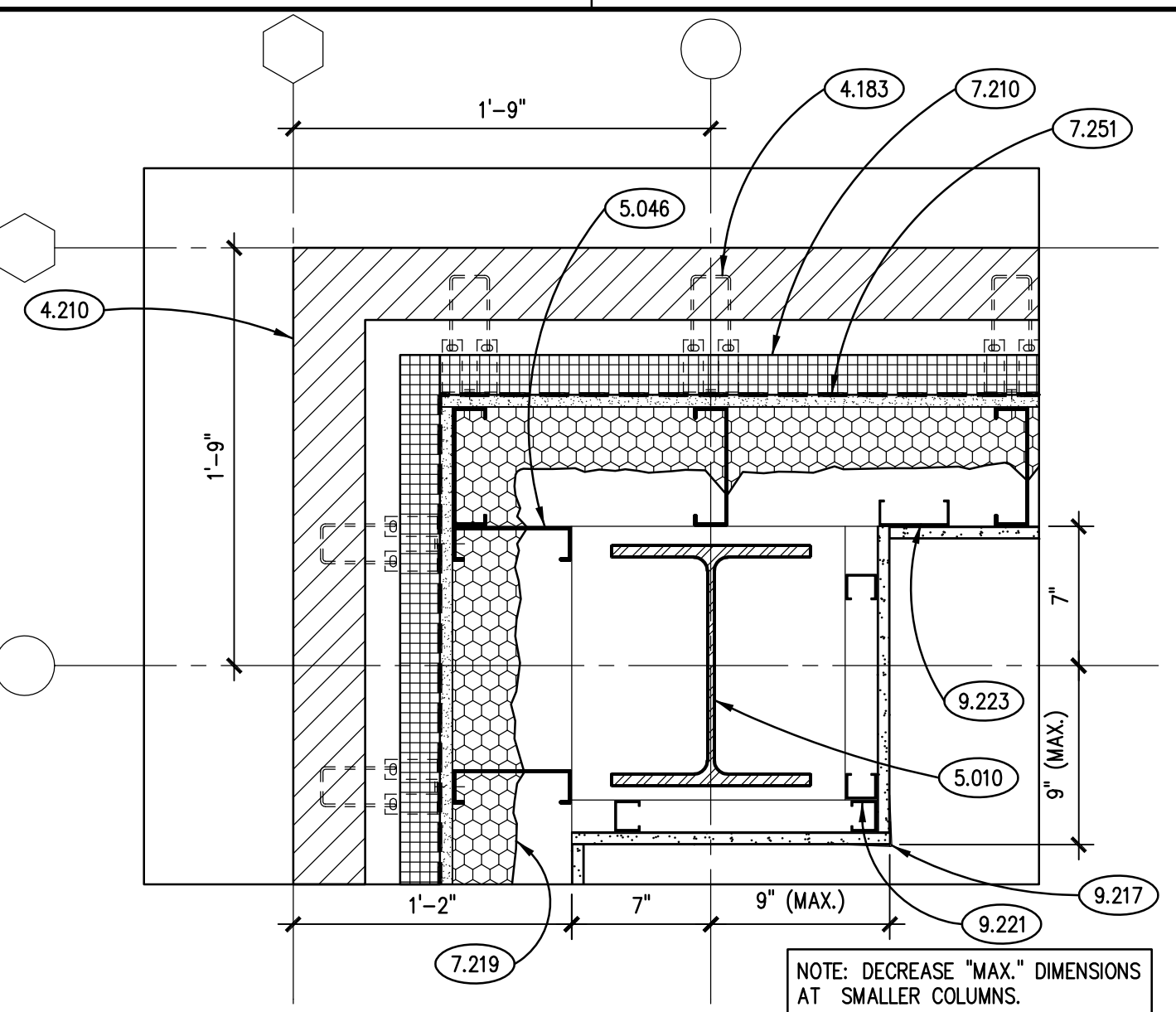
PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



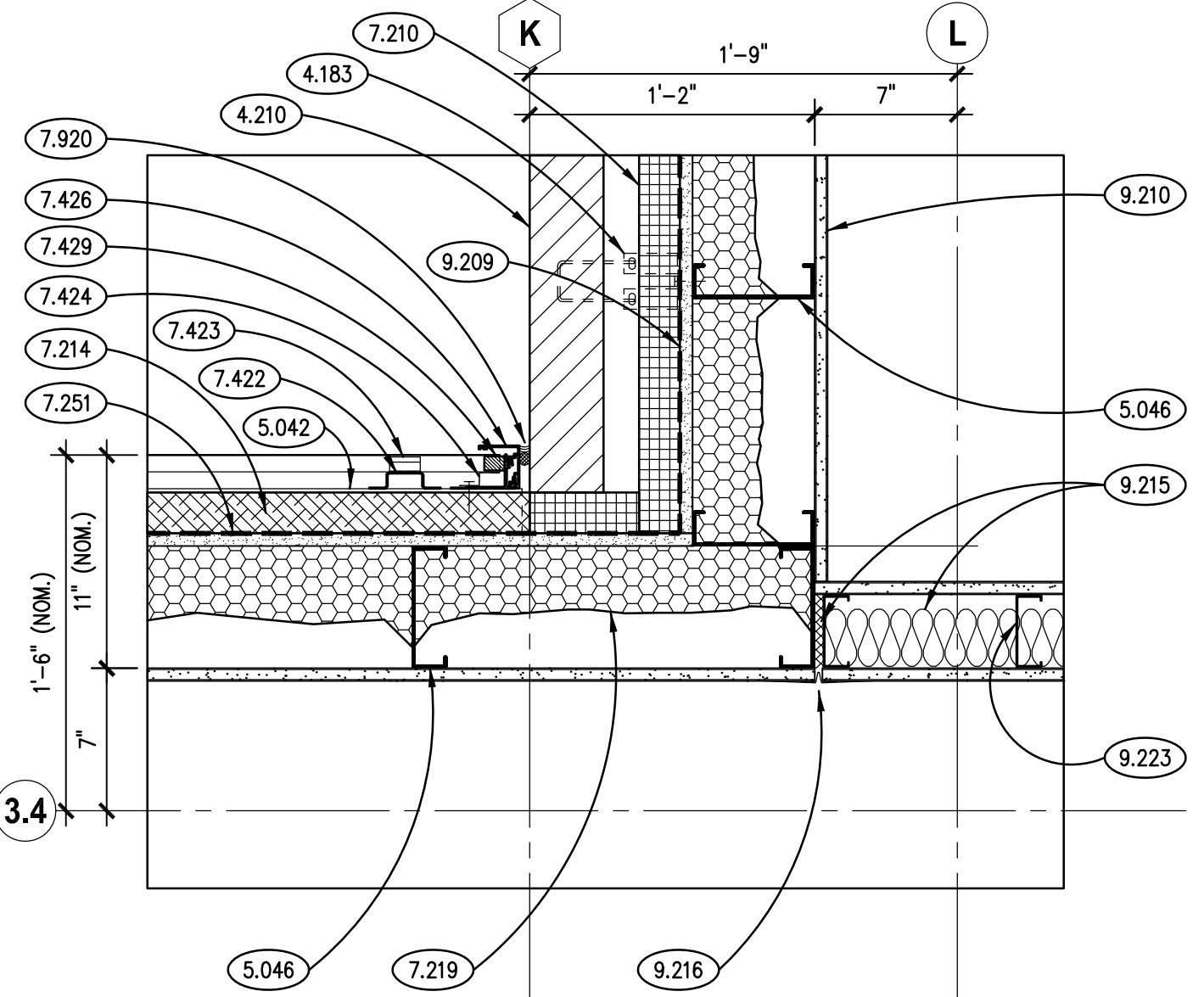
PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



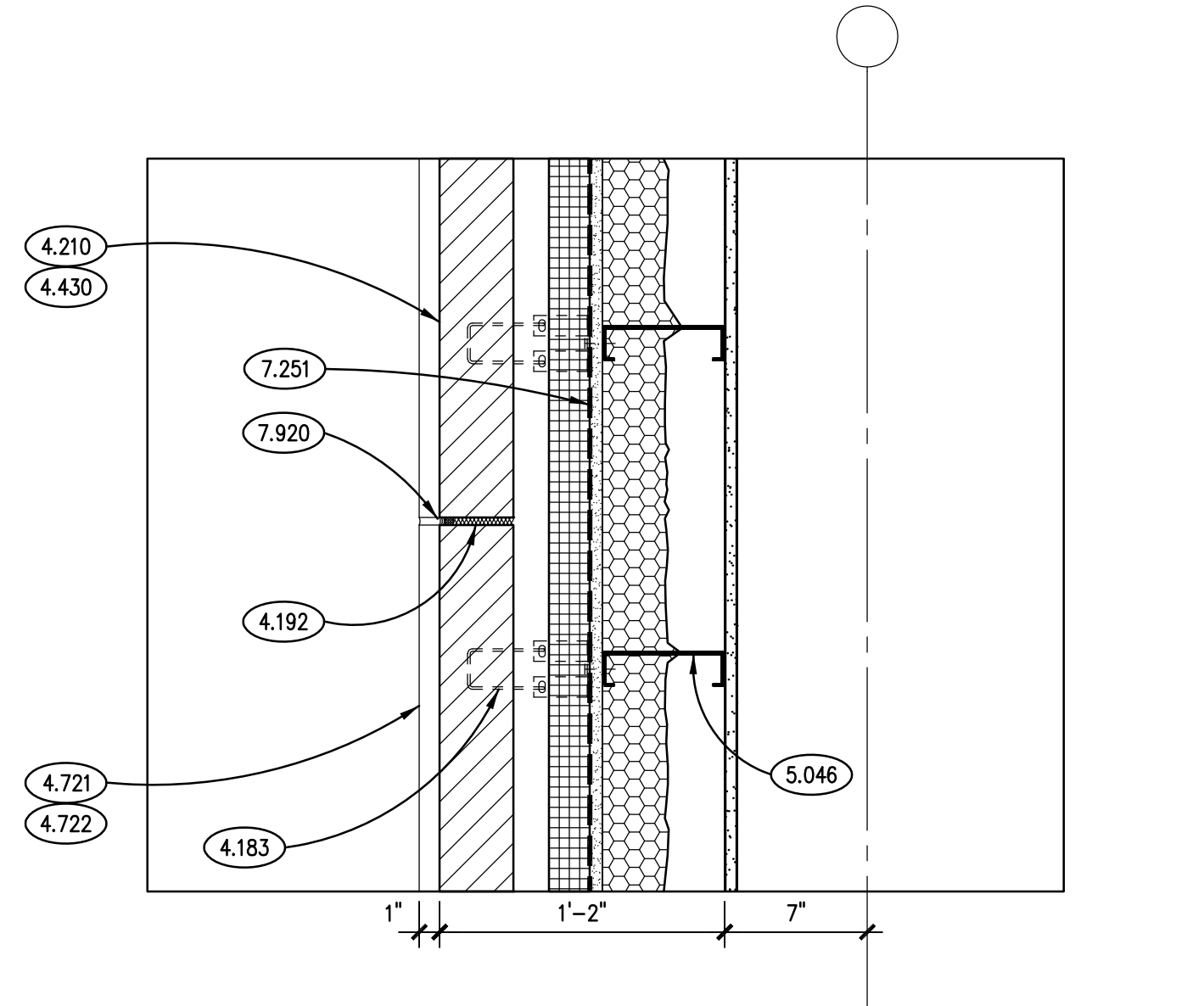
TYPICAL O.H. DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



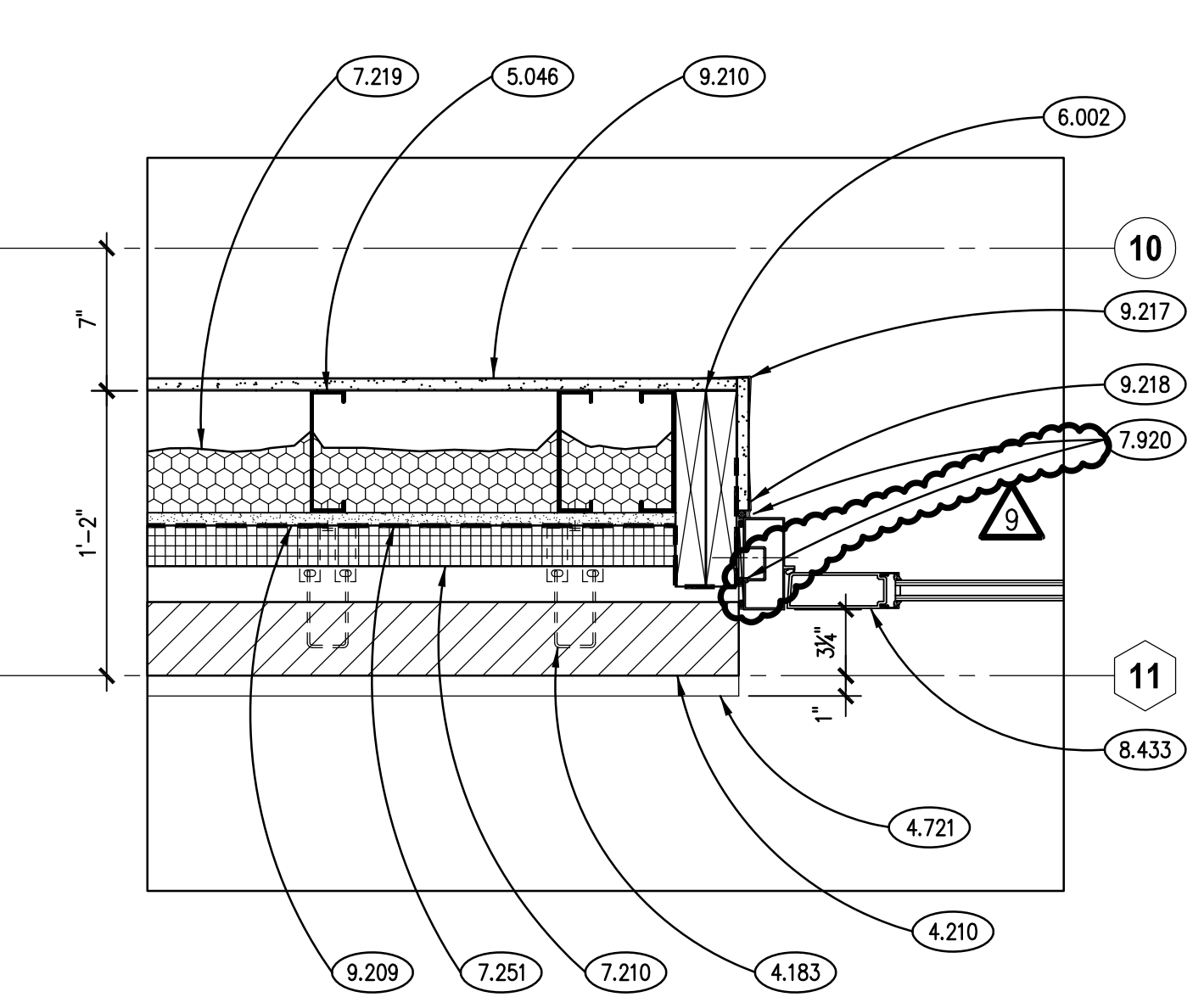
TYPICAL PLAN DETAIL AT CORNER
SCALE: 1 1/2" = 1'-0"



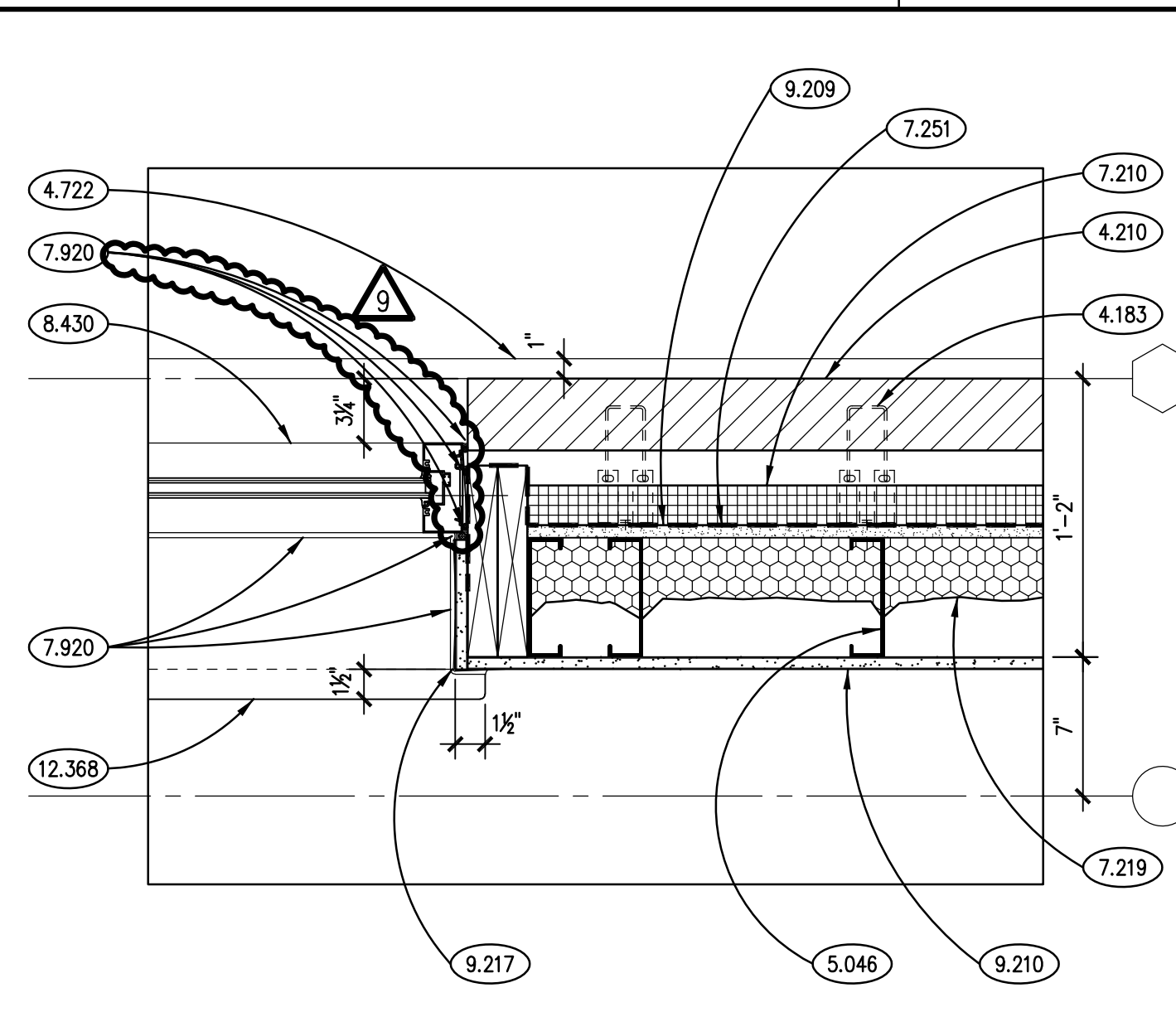
TYPICAL PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



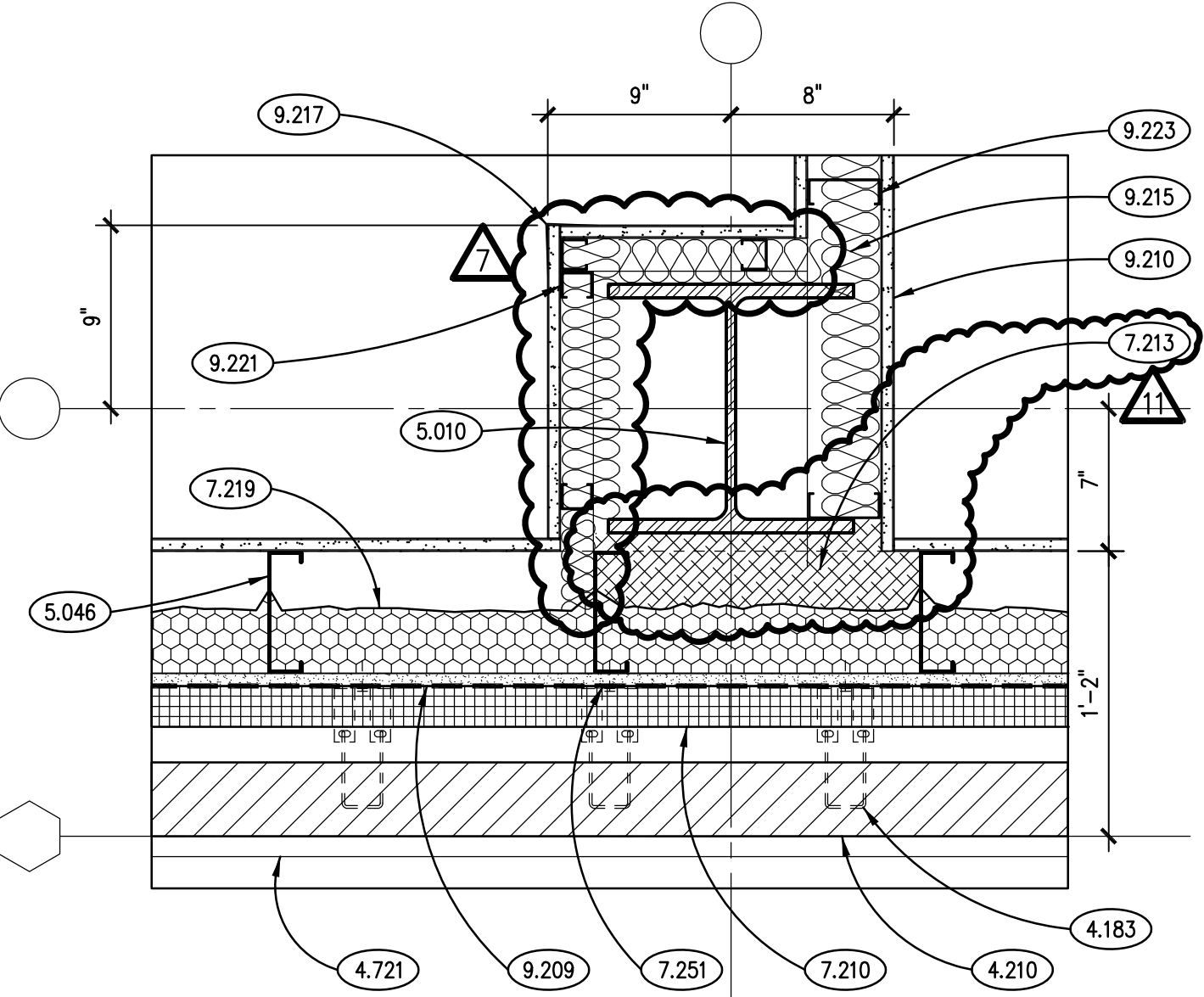
TYPICAL BRICK/STONE EXPANSION JOINT
SCALE: 1 1/2" = 1'-0"



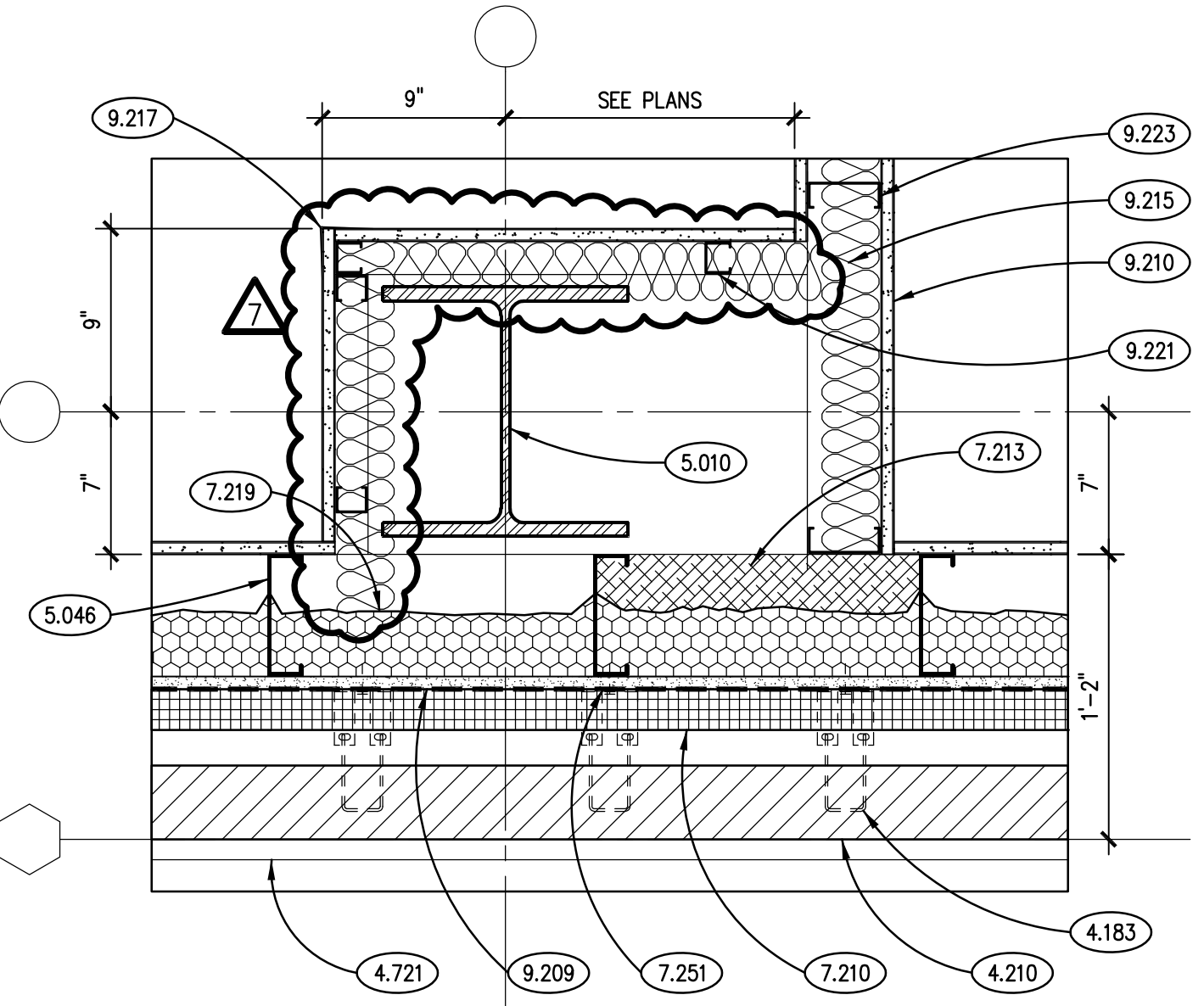
TYPICAL ALUM. DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



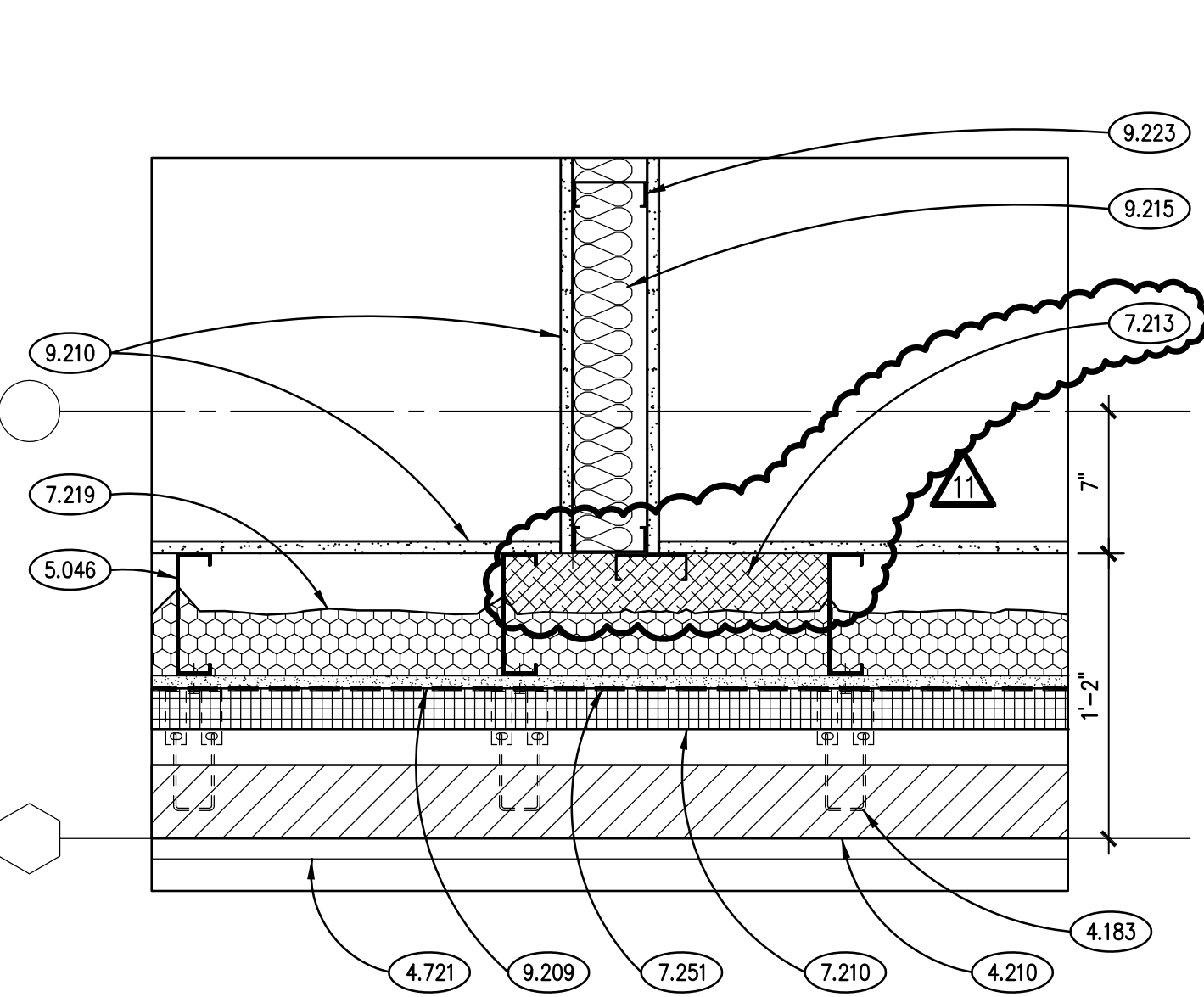
TYPICAL WINDOW JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



TYPICAL PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



TYPICAL PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



TYPICAL INT. TO EXT. WALL DETAIL
SCALE: 1 1/2" = 1'-0"

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 23.201 PROVIDE 8/6 INSULATED PLENUM BOX FOR WALL DIFFUSERS. PROVIDE FIVE FOOT ACTIVE SECTION. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION OF DIFFUSERS.
 23.202 PROVIDE 8/6 INSULATED PLENUM BOX FOR WALL DIFFUSERS. PROVIDE TWO, FIVE FOOT ACTIVE SECTIONS. BLANK OFF UNUSED PORTIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION OF DIFFUSERS.
 23.204 PROVIDE FLARED AND SCREENED RETURN AIR OPENING TO PLENUM.
 23.231 PROVIDE THERMOSTAT FOR VAV-4-21 AT THIS LOCATION. VAV-4-21 LOCATED ON SECOND FLOOR.

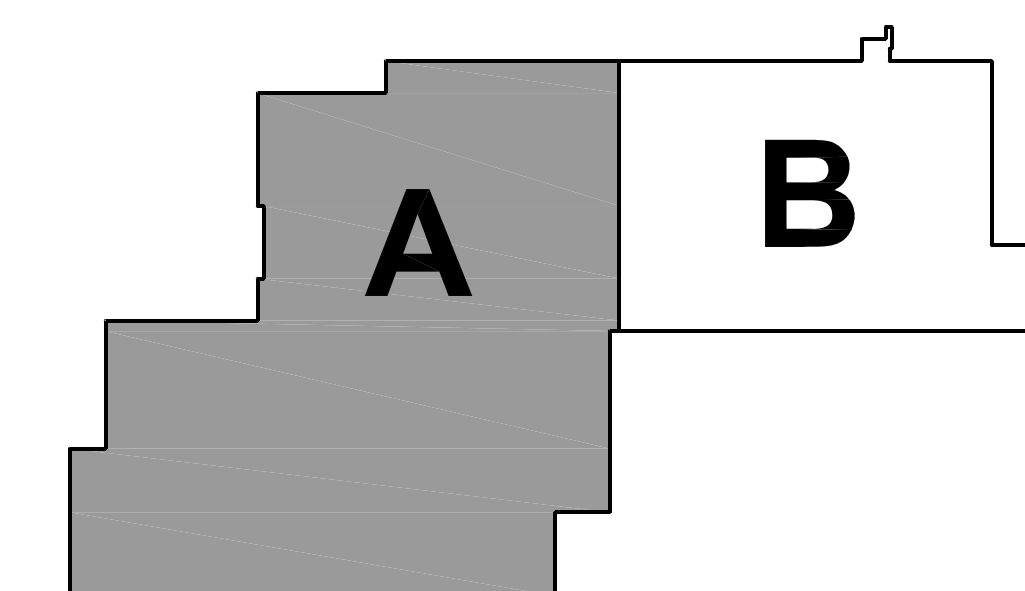
ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|-------------------------|---------|----------------------|
| 1000 | VESTIBULE | 1135 | BREAST FEEDING |
| 1001 | RECEPTION | 1136 | COORDINATOR OFFICE |
| 1002 | SECURITY | 1137 | CORRIDOR |
| 1003 | LOBBY | 1138 | CLOSET |
| 1004 | ELEVATOR | 1139 | CORRIDOR |
| 1005A | MULTIPURPOSE ROOM | 1140 | CONSULT |
| 1005B | MULTIPURPOSE ROOM | 1141 | MENS RESTROOM |
| 1006 | EOC STORAGE | 1142 | IDF |
| 1007 | ELEVATOR EQUIPMENT | 1143 | WOMENS RESTROOM |
| 1008 | IDF | 1144 | BREAK ROOM |
| 1009 | WAITING | | |
| 1010 | VITAL RECORDS RECEPTION | 1146 | CORRIDOR |
| 1011 | VITAL RECORDS OFFICE | 1147 | ACTIVE FILES ROOM |
| 1012 | CUSTODIAL | 1148 | WORK ROOM |
| 1013 | CORRIDOR | 1149 | CHECK OUT COUNTER |
| 1014 | WOMENS RESTROOM | 1150 | CORRIDOR |
| 1015 | ELECTRICAL | 1151 | IMMUNIZATION INTAKE |
| 1016 | MENS RESTROOM | 1152 | SUPPLY |
| 1017 | BIO WASTE STORAGE | 1153 | NOT USED |
| 1018 | VESTIBULE | 1154 | OFFICE |
| | | 1155 | INJECTION ROOM |
| 1100 | ENTRY AREA | 1156 | CONSULT |
| 1101 | WOMENS RESTROOM | 1157 | INJECTION ROOM |
| 1102 | MENS RESTROOM | 1158 | CORRIDOR |
| 1103 | WAITING ROOM | 1159 | INJECTION ROOM |
| 1103A | KID ZONE-WAITING | 1160 | VACCINE PREP ROOM |
| 1104 | INTAKE AREA | | |
| 1105 | CORRIDOR | 1162 | OPEN OFFICE |
| 1106 | ANTHRO ROOM | 1163 | NOT USED |
| 1107 | NOT USED | 1164 | COORDINATOR OFFICE |
| 1108 | CHP-1 | 1165 | NOT USED |
| 1109 | NOT USED | 1166 | TELEDATA |
| 1110 | CHP-2 | 1167 | MENS RESTROOM |
| 1111 | WAITING ROOM | 1168 | CONSULT |
| 1112 | CHP-3 | 1169 | WOMENS RESTROOM |
| 1113 | CHP-6 | 1170 | MANAGER OFFICE |
| 1114 | CHP-4 | 1171 | CORRIDOR |
| 1115 | CHP-7 | 1172 | LAB/ANTHRO |
| 1116 | CHP-5 | 1173 | COPY/FILES STORAGE |
| 1117 | CHP-8 | 1173A | CLOSET |
| 1118 | ANTHRO ROOM | 1174 | WORKSTATIONS |
| 1119 | CORRIDOR | 1175 | WAITING |
| 1120 | CHP-9 | 1176A | CLASSROOM |
| 1121 | STAIR | 1176B | CLASSROOM |
| 1122 | UTILITY | 1177 | CORRIDOR |
| 1123 | CORRIDOR | 1178 | VISION/HEARING |
| 1124 | CONSULT | 1179 | MANAGER OFFICE |
| 1125 | NOT USED | 1180 | STORAGE |
| 1126 | EXAM ROOM | | |
| 1127 | CHP-10 | 1200 | CONFERENCE ROOM |
| 1128 | HRM | 1201 | OPEN OFFICE |
| 1129 | CHP-11 | 1202 | ACTIVE FILES |
| 1130 | OFFICE | 1203 | REIMBURSEMENT OFFICE |
| 1131 | CHP-12 | 1204 | |
| 1132 | PROGRAM MANAGER OFFICE | | |
| 1133 | UNISEX BATHROOM | 1206 | PROGRAM MANAGER |
| 1134 | BREAST FEEDING OFFICE | 1207 | ARCHIVE FILES |

GENERAL NOTES

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- ALL TAPES AND MASTICS USED TO SEAL DUCTWORK LISTED AND LABELED IN ACCORDANCE WITH UL 181A SHALL BE MARKED ACCORDINGLY. ALL TAPES AND MASTICS USED TO SEAL FLEXIBLE DUCTS AND AIR CONNECTORS SHALL COMPLY WITH UL 181B AND MARKED ACCORDINGLY.
- THERMOSTATIC CONTROLS OF EQUIPMENT SHALL HAVE A 5' F DEADBAND.
- GENERALLY, SMALL DIAMETER PIPE RUNS FROM DRIPS, CONDENSATE PANS AND OTHER SERVICES ARE NOT SHOWN BUT MUST BE PROVIDED.
- SPACE ALLOCATION, COORDINATION WITH ELECTRICAL, ARCHITECTURAL & OTHER MECHANICAL COMPONENTS HAVE BEEN MADE WITH RESPECT TO ALL EQUIPMENT SCHEDULED ON THESE DRAWINGS AND IN THE SPECIFICATIONS OF THE FIRST NAMED MANUFACTURER ONLY. OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET PERFORMANCE REQUIREMENTS AND AFOREMENTIONED COORDINATION.
- DO NOT CUT THROUGH THE MASONRY BOND BEAMS OR OTHER STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL DUCTWORK, PIPING, CONDUCITS OR OTHER WORK. COORDINATE WITH THE STRUCTURAL DRAWINGS AND MASON CONTRACTOR FOR ALL BOND BEAM AND STRUCTURAL ELEMENT LOCATIONS. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETRO-FIT/REINFORCING DEEMED NECESSARY TO REINSTATE THE CONTINUITY OF THE DISRUPTED ELEMENTS.
- ALL ROOFTOP EQUIPMENT (ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC.) AND THEIR CORRESPONDING CURBS TO BE ATTACHED TO THE STRUCTURAL FRAMING AS REQUIRED TO RESIST THE WIND AND SEISMIC FORCES IDENTIFIED ON SHEET S010. ANCHORAGE TO METAL DECKING IS NOT ACCEPTABLE. CONTRACTOR/MANUFACTURER TO CONSULT AN INDEPENDENT STRUCTURAL ENGINEER TO REVIEW, DESIGN AND DETAIL THE REQUIRED CONNECTIONS.
- HEATING AND COOLING DESIGN LOADS FOR THE BUILDING HAVE BEEN CALCULATED WITH ELITE SOFTWARE, COMMERCIAL HVAC LOADS PROGRAM, VERSION 8.02.45, IN ACCORDANCE WITH ASHRAE STANDARDS. INTERIOR DESIGN TEMPERATURES ARE MAXIMUM 72 DEGREES F FOR HEATING AND A MINIMUM OF 75 DEGREES F FOR COOLING.
- OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.

KEY PLAN



PLAN NORTH
TRUE NORTH

JOB NO. 17-401-1124
 DRAWN BWG
 CHECKED DDW
 APPROVED DDW
 SHEET TITLE
 PARTIAL FIRST FLOOR VENTILATION PLAN - AREA 'A'
 SHEET NUMBER

M311

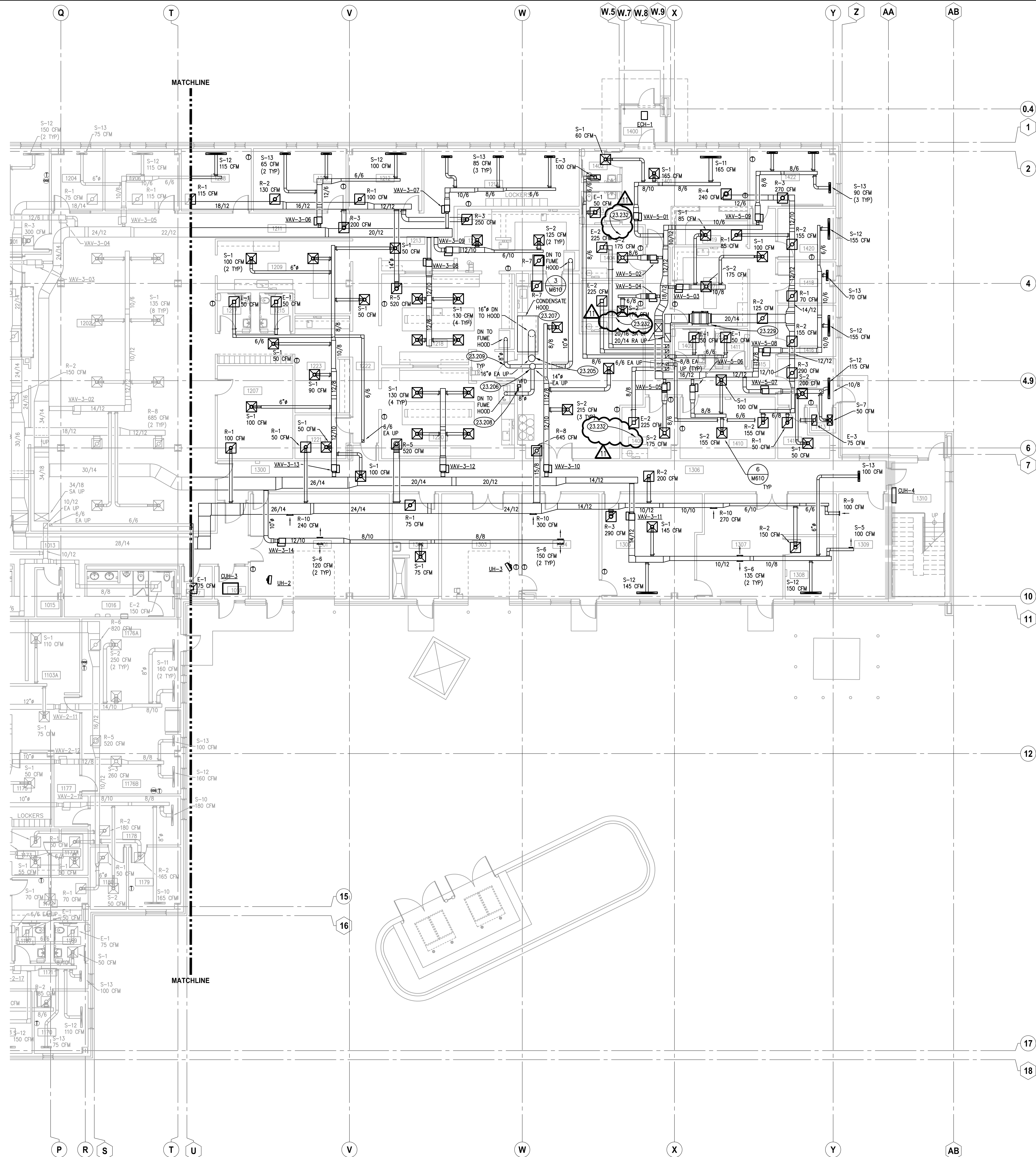
WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL
 501 ELLA AVENUE
 JOLIET, IL 60433

Kluber, Inc.
 Batavia, Illinois 60510
 Tel. 630.406.2413
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Kluber
 Architects + Engineers

PARTIAL FIRST FLOOR VENTILATION PLAN - AREA 'A'
 SCALE: 1/8" = 1'-0"



KEYNOTES

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- 23.205 PROVIDE ALUMINUM DUCTWORK FROM CONDENSATE HOOD UP TO EF-7.
- 23.206 MANIFOLD EXHAUST DUCTWORK FOR FUME HOODS TOGETHER. PROVIDE CONNECTION AT 45 DEGREE ANGLE FOR EACH BRANCH CONNECTION AT THE MAIN.
- 23.207 PROVIDE CONDENSATE HOOD ABOVE LAB EQUIPMENT. PROVIDE CONNECTION BETWEEN HOOD AND EXHAUST FAN. PROVIDE DRAIN LINE TO FLOOR DRAIN BELOW. MOUNT BOTTOM OF HOOD 7'-6" ABOVE FINISHED FLOOR. EXTEND SIDES OF HOOD A MINIMUM OF 4" ABOVE FINISHED CEILING.
- 23.208 PROPOSED LOCATION FOR LABORATORY EXHAUST FAN CONTROLLER AND VFD. CONFIRM LOCATION WITH OWNER.
- 23.209 PROVIDE PVC LINED DUCTWORK FOR FUME HOOD EXHAUST.
- 23.229 PROVIDE HEPA FILTRATION FOR ROOF TOP UNIT ABOVE CEILING AT THIS LOCATION. MAINTAIN REQUIRED CLEARANCES FOR CHANGING FILTERS. FILTER HOUSING SHALL BE OF THE BAG-IN BAG-OUT TYPE.
- 23.232 PROVIDE PRESSURE MONITOR AS SPECIFIED FOR THIS ROOM.

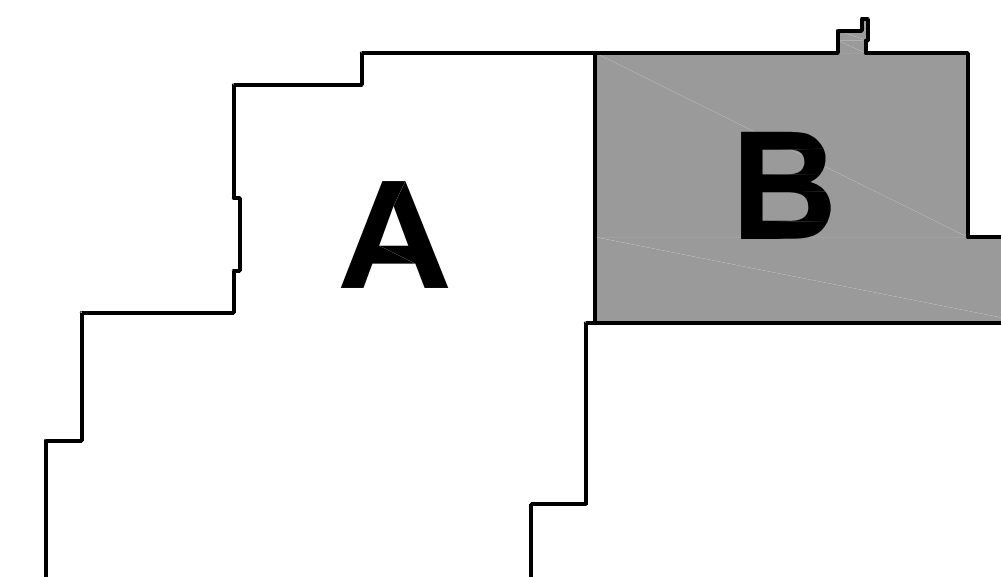
ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|-------------------------|---------|---------------------|
| 1203 | ACTIVE FILES | 1400 | VESTIBULE |
| 1204 | REIMBURSEMENT OFFICE | 1401 | WAITING ROOM |
| 1206 | PROGRAM MANAGER | 1402 | MENS RESTROOM |
| 1207 | ARCHIVE FILES | 1403 | WOMENS RESTROOM |
| 1208 | PROGRAM COORDINATOR | 1404 | EXAM ROOM |
| 1209 | WORKROOM | 1405 | CORRIDOR |
| 1210 | DIRECTOR OFFICE | 1406 | EXAM ROOM |
| 1211 | CORRIDOR | 1407 | COPY/WORK ROOM |
| 1212 | LAB COORDINATOR OFFICE | 1408 | XRAY EXAM ROOM |
| 1213 | CORRIDOR | 1409 | MENS RESTROOM |
| 1214 | LAB ANALYST OPEN OFFICE | 1410 | XRAY ROOM |
| 1215 | MENS RESTROOM | 1411 | WOMENS RESTROOM |
| 1216 | MICROBIOLOGY LAB | 1412 | WAITING ROOM |
| 1217 | WOMENS RESTROOM | 1413 | MEDICAL WASTE ROOM |
| 1218 | NON-POTABLE LAB | 1414 | STORAGE |
| 1219 | LAB STORAGE/UTILITY | 1415 | CORRIDOR |
| 1220 | CHEMISTRY LAB | 1416 | OFFICE |
| 1221 | CLOSET | 1417 | NOT USED |
| 1222 | CORRIDOR | 1418 | FILES ROOM |
| 1223 | ENVIRONMENTAL SAMPLE | 1419 | RECEPTION WORKSPACE |
| | | 1420 | OFFICE |
| | | 1421 | NOT USED |
| | | 1422 | CONFERENCE ROOM |

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- THERMOSTATIC CONTROLS OF EQUIPMENT SHALL HAVE A 5' F DEADBAND.
- GENERALLY, SMALL DIAMETER PIPE RUNS FROM DRIPS, CONDENSATE PANS AND OTHER SERVICES ARE NOT SHOWN BUT MUST BE PROVIDED.
- SPACE ALLOCATION, COORDINATION WITH ELECTRICAL, ARCHITECTURAL & OTHER MECHANICAL COMPONENTS HAVE BEEN MADE WITH RESPECT TO ALL EQUIPMENT SCHEDULED ON THESE DRAWINGS AND IN THE SPECIFICATIONS OF THE FIRST NAMED MANUFACTURER ONLY. OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET PERFORMANCE REQUIREMENTS AND AFOREMENTIONED COORDINATION.
- DO NOT CUT THROUGH THE MASONRY BOND BEAMS OR OTHER STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL DUCTWORK, PIPING, CONDUITS OR OTHER WORK. COORDINATION WITH THE STRUCTURAL DRAWINGS AND MASON CONTRACTOR FOR ALL BOND BEAM AND STRUCTURAL ELEMENT LOCATIONS. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETRO-FIT/REINFORCING DEEMED NECESSARY TO REINSTATE THE CONTINUITY OF THE DISRUPTED ELEMENTS.
- ALL ROOFTOP EQUIPMENT (ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC.) AND THEIR CORRESPONDING CURBS TO BE ATTACHED TO THE STRUCTURAL FRAMING AS REQUIRED TO RESIST THE WIND AND SEISMIC FORCES IDENTIFIED ON SHEET 5010. ANCHORAGE IS NOT ACCEPTABLE. CONTRACTOR/MANUFACTURER TO CONSULT AN INDEPENDENT STRUCTURAL ENGINEER TO REVIEW, DESIGN AND DETAIL THE REQUIRED CONNECTIONS.
- HEATING AND COOLING DESIGN LOADS FOR THE BUILDING HAVE BEEN CALCULATED WITH ELITE SOFTWARE, COMMERCIAL HVAC LOADS PROGRAM, VERSION 8.02.45, IN ACCORDANCE WITH ASHRAE STANDARDS. INTERIOR DESIGN TEMPERATURES ARE MAXIMUM 72 DEGREES F FOR HEATING AND A MINIMUM OF 75 DEGREES F FOR COOLING.
- OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.

KEY PLAN



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www.kluberinc.com

WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL
501 ELLA AVENUE
JOLIET, IL 60433

| ISSUED | REVISION | DATE | BY | APP'D | DESCRIPTION |
|--------|----------|---------|----|-------|----------------------|
| 1 | 10/10/18 | B.P. #1 | KL | | ISSUED |
| 2 | 10/10/18 | B.P. #1 | KL | | ADDENDUM #1 |
| 3 | 11/12/18 | B.P. #1 | KL | | PLAN REVIEW COMMENTS |
| 4 | 11/12/18 | B.P. #1 | KL | | ADDENDUM #2 |
| 5 | 10/27/18 | B.P. #2 | KL | | ADDENDUM #1 |
| 6 | 10/27/18 | B.P. #2 | KL | | ADDENDUM #2 |
| 7 | 11/08/18 | B.P. #2 | KL | | ADDENDUM #3 |
| 8 | 11/13/18 | B.P. #2 | KL | | ADDENDUM #4 |
| 9 | 11/13/18 | B.P. #2 | KL | | ADDENDUM #5 |
| 10 | 12/03/18 | B.P. #3 | KL | | ADDENDUM #6 |
| 11 | 12/05/18 | B.P. #3 | KL | | ADDENDUM #7 |

JOB NO. 17-401-1124
DRAWN BWG
CHECKED DDW
APPROVED DDW

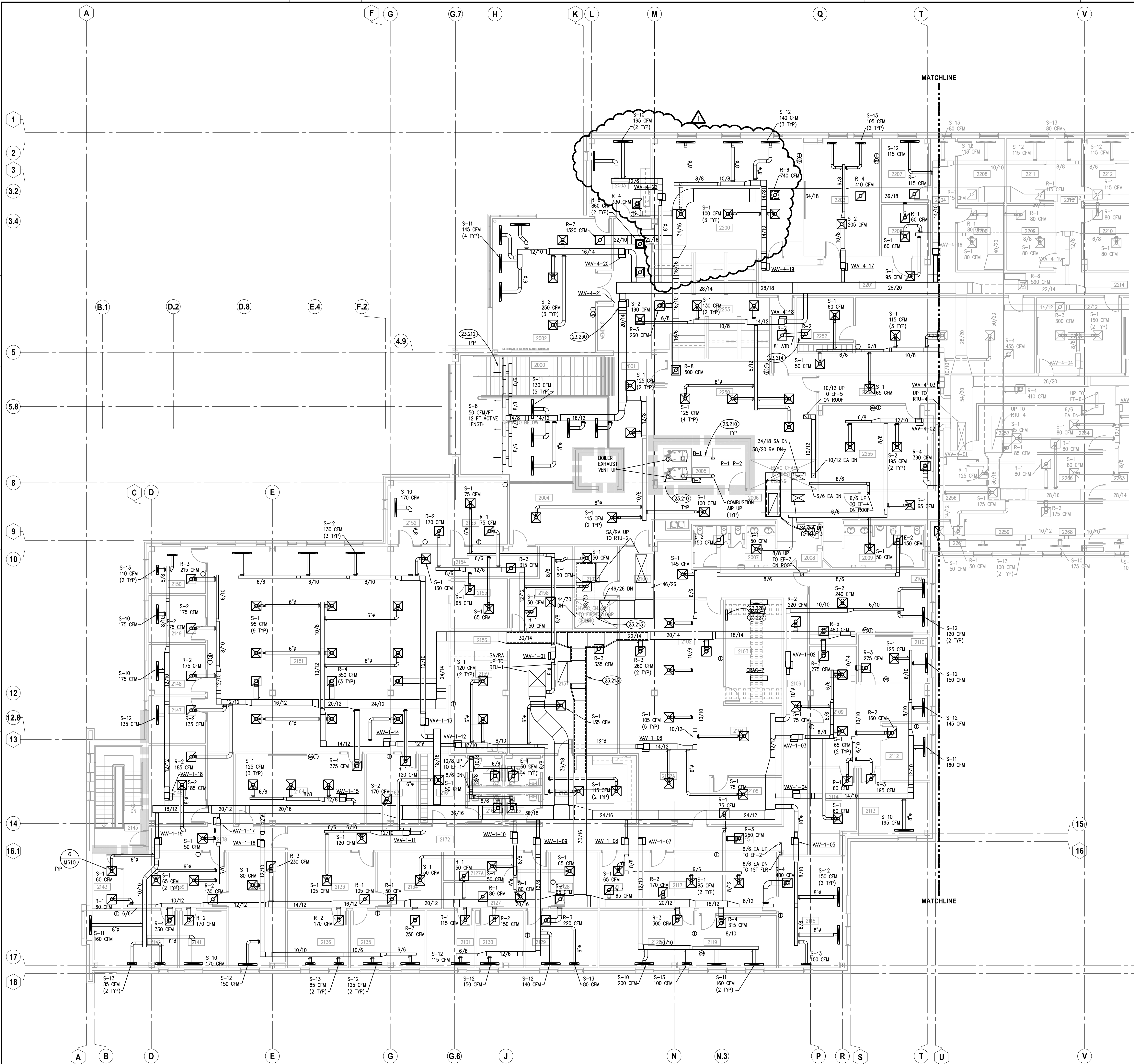
SHEET TITLE
PARTIAL FIRST
FLOOR
VENTILATION PLAN
- AREA 'B'

SHEET NUMBER

M312

PARTIAL FIRST FLOOR VENTILATION PLAN - AREA 'B'

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



PARTIAL SECOND FLOOR VENTILATION PLAN - AREA 'A'
SCALE: 1/8" = 1'-0"

KEYNOTES

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- 23.210 PROVIDE BOILER EXHAUST VENTING UP THROUGH ROOF. VENTING SHALL BE SIZED AND CONFIGURED AS APPROVED BY THE BOILER MANUFACTURER.
 - 23.212 PROVIDE 6/8" INSULATED PLENUM BOX FOR WALL DIFFUSERS. PROVIDE THREE FOOT ACTIVE SECTIONS. BLANK OFF UNUSED PORTIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION OF DIFFUSERS.
 - 23.213 PROVIDE LINED RETURN DUCTWORK FOR THE FIRST TWENTY FEET OF EACH RETURN DUCT BRANCH.
 - 23.214 PROVIDE LINE AIR TRANSFER DUCT BETWEEN ROOM 2252 AND 2251.
 - 23.217 TEMPERATURE CONTROL CONTRACTOR TO PROVIDE ALL DATA DROPS REQUIRED FOR BUILDING AUTOMATION SYSTEM. HOMERUN ALL CABLEING TO THIS LOCATION AND TERMINATE IN DEDICATED TEMPERATURE CONTROL PATCH PANEL PROVIDED BY OTHERS. ALL NETWORK CABLEING TO BE YELLOW IN COLOR.
 - 23.228 PROPOSED LOCATION OF TEMPERATURE CONTROL PANELS. COORDINATE FINAL LOCATION WITH OWNER.
 - 23.230 THERMOSTAT LOCATED ON FLOOR BELOW FOR VAV-4-21.

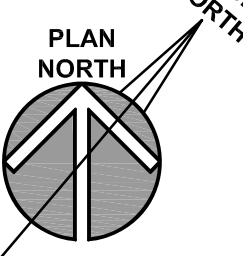
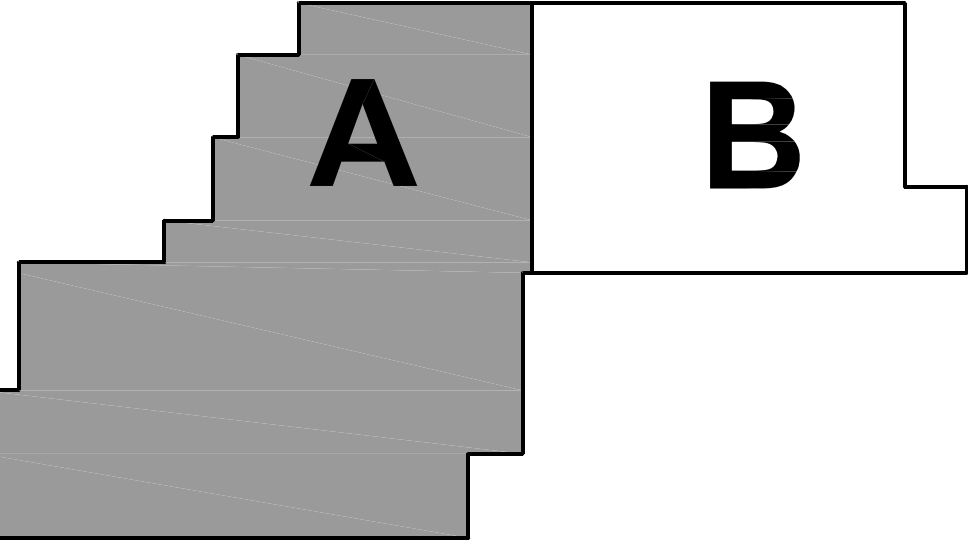
ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|----------------------------|---------|---------------------------|
| 2000 | STAIR | 2135 | EPR COORDINATOR OFFICE |
| 2001 | CORRIDOR | 2136 | EPR OFFICE |
| 2002 | MULTIPURPOSE ROOM | | |
| 2003 | BREAK ROOM | 2138 | CORRIDOR |
| 2004 | WAITING | 2139 | FAMILY HEALTH OFFICE |
| 2005 | BOILERS | 2140 | PURCHASING OFFICE |
| 2006 | CORRIDOR | 2141 | WORK/COPY ROOM |
| 2007 | WOMENS RESTROOM | 2142 | FAMILY HEALTH DIR. OFFICE |
| 2008 | ELECTRICAL | 2143 | FAMILY HEALTH STORAGE |
| 2009 | MENS RESTROOM | 2144 | NOT USED |
| 2100 | ADMIN WORKSTATION | 2145 | STAIR |
| 2101 | STORAGE | 2146 | TEAM ROOM |
| 2102 | I.T. OPEN OFFICE | 2147 | OFFICE |
| 2102A | I.T. STORAGE | 2148 | OFFICE |
| 2103 | MDI/DATA CENTER | 2149 | OFFICE |
| 2104 | I.T. WORKSTATION | 2150 | FAMILY HEALTH OPEN OFFICE |
| 2105 | I.T. COORDINATOR OFFICE | 2151 | OFFICE |
| 2106 | CORRIDOR | 2152 | OFFICE |
| 2107 | CONFERENCE ROOM | 2153 | CORRIDOR |
| 2108 | H.R. WAITING | 2154 | OFFICE |
| 2109 | H.R. OPEN OFFICE | 2155 | OFFICE |
| 2110 | H.R. CONFERENCE ROOM | 2156 | CORRIDOR |
| 2111 | WORK ROOM | 2157 | HIGH DENSITY FILES ROOM |
| 2112 | H.R. OFFICE | 2158 | STORAGE ROOM |
| 2113 | H.R. COORDINATOR OFFICE | 2159 | WORK ROOM |
| 2114 | H.R. FILES | 2160 | MENS RESTROOM |
| 2115 | CORRIDOR | 2161 | CORRIDOR |
| 2117 | EXEC. DIR. ASSISTANT | 2162 | WOMENS RESTROOM |
| 2118 | EXEC. DIR. OFFICE | 2163 | TEAMROOM |
| 2119 | EXEC. DIR. CONF. ROOM | 2164 | CONFERENCE ROOM |
| 2120 | DIRECTOR OF ADMIN OFFICE | | |
| 2121 | MEDIA OFFICE | 2200 | CHILD/ADOLESCENT WAITING |
| 2122 | WORKROOM | 2201 | CORRIDOR |
| 2123 | UNISEX RESTROOM | 2202 | NOT USED |
| 2125 | UNISEX RESTROOM | 2203 | GROUP ROOM |
| 2126 | NOT USED | 2204 | CORRIDOR |
| 2127 | FINANCE OPEN OFFICE | 2205 | CRISIS ROOM |
| 2127A | FINANCE STORAGE | 2206 | CONSULT |
| 2128 | FINANCE OFFICE | 2207 | CONSULT |
| 2129 | FINANCE COORDINATOR OFFICE | | |
| 2130 | FINANCE OFFICE | 2250 | ADULT WAITING |
| 2131 | FINANCE OFFICE | 2251 | MEDICAL RECORDS |
| 2132 | CORRIDOR | 2252 | BILLING SUPERVISOR OFFICE |
| 2133 | EPR OPEN OFFICE | 2253 | RECEPTION AREA |
| 2134 | EPR STORAGE | 2254 | CORRIDOR |
| | | 2255 | GROUP ROOM |
| | | 2256 | CORRIDOR |

GENERAL NOTES

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- ALL TAPES AND MASTICS USED TO SEAL DUCTWORK LISTED AND LABELED IN ACCORDANCE WITH UL 181A SHALL BE MARKED ACCORDINGLY. ALL TAPES AND MASTICS USED TO SEAL FLEXIBLE DUCTS AND AIR CONNECTORS SHALL COMPLY WITH UL 181B AND MARKED ACCORDINGLY.
- THERMOSTATIC CONTROLS OF EQUIPMENT SHALL HAVE A 5' F DEADBAND.
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- HEATING AND COOLING DESIGN LOADS FOR THE BUILDING HAVE BEEN CALCULATED WITH ELITE SOFTWARE. COMMERCIAL HVAC LOADS PROGRAM, VERSION 8.02.45, IN ACCORDANCE WITH ASHRAE STANDARDS. INTERIOR DESIGN TEMPERATURES ARE MAXIMUM 72 DEGREES F FOR HEATING AND A MINIMUM OF 75 DEGREES F FOR COOLING.
- OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.

KEY PLAN



| | |
|--------|---|
| ISSUED | 17-401-1124 |
| 1 | 10/10/18 B.P. #1 - PLAN REVIEW COMMENTS |
| 2 | 10/10/18 B.P. #1 - ADDENDUM #1 |
| 3 | 11/12/18 B.P. #1 - PLAN REVIEW COMMENTS |
| 4 | 10/12/18 B.P. #2 - ADDENDUM #2 |
| 5 | 10/12/18 B.P. #2 - ADDENDUM #2 |
| 6 | 11/08/18 B.P. #2 - ADDENDUM #3 |
| 7 | 11/13/18 B.P. #2 - ADDENDUM #5 |
| 8 | 12/03/18 B.P. #3 - ADDENDUM #2 |
| 9 | 12/03/18 B.P. #3 - ADDENDUM #2 |
| 10 | 12/03/18 B.P. #3 - ADDENDUM #2 |

JOB NO. 17-401-1124
DRAWN BWG
CHECKED DDW
APPROVED DDW

SHEET TITLE
PARTIAL SECOND FLOOR VENTILATION PLAN - AREA 'A'
SHEET NUMBER
M321

Kluber
Architects + Engineers
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WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL
501 ELLA AVENUE
JOLIET, IL 60433

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 23.220 PROVIDE BOILER EMERGENCY SHUTDOWN SWITCH AT ENTRANCE TO MECHANICAL ROOM.
 23.223 PROVIDE CRAC UNIT WITH CONDENSATE PUMP, ROUTE CONDENSATE PIPING TO CHASE AND DISCHARGE AT MOB BASIN IN FLOOR BELOW.
 23.224 PROVIDE HOT GAS AND REFRIGERANT LIQUID PIPING BETWEEN CRAC UNIT AND AIR COOLED CONDENSER ON ROOF. SIZE AND CONFIGURE PIPES AS REQUIRED BY CRAC UNIT MANUFACTURER.

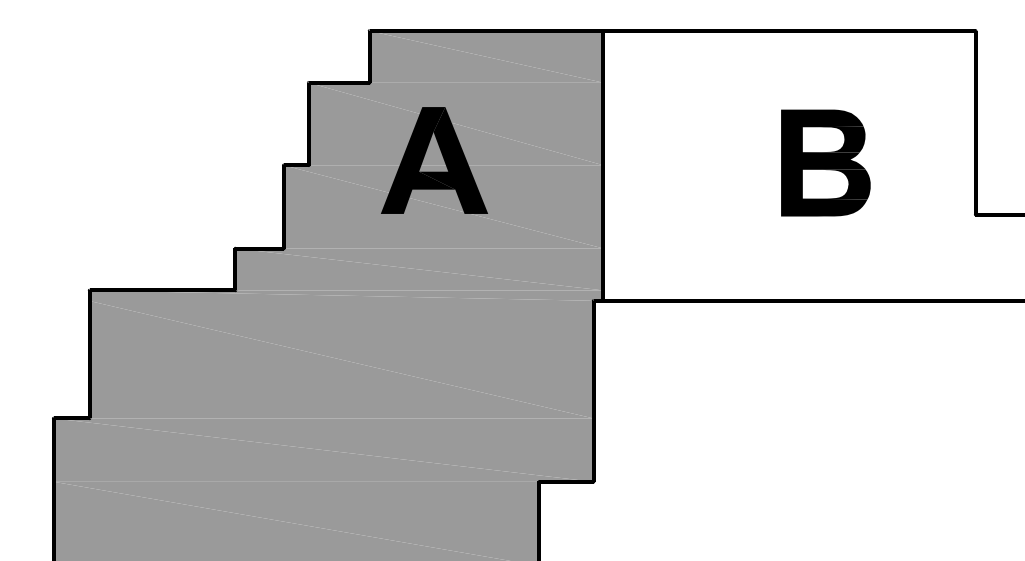
ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|----------------------------|---------|---------------------------|
| 2000 | STAIR | 2135 | EPR COORDINATOR OFFICE |
| 2001 | CORRIDOR | 2136 | EPR OFFICE |
| 2002 | MULTIPURPOSE ROOM | 2138 | CORRIDOR |
| 2003 | BREAK ROOM | 2139 | FAMILY HEALTH OFFICE |
| 2004 | WAITING | 2140 | PURCHASING OFFICE |
| 2005 | BOILERS | 2141 | WORK/COPY ROOM |
| 2006 | CORRIDOR | 2142 | FAMILY HEALTH DIR. OFFICE |
| 2007 | WOMENS RESTROOM | 2143 | FAMILY HEALTH STORAGE |
| 2008 | ELECTRICAL | 2144 | NOT USED |
| 2009 | MENS RESTROOM | 2145 | STAIR |
| 2100 | ADMIN WORKSTATION | 2146 | TEAM ROOM |
| 2101 | STORAGE | 2147 | OFFICE |
| 2102 | I.T. OPEN OFFICE | 2148 | OFFICE |
| 2102A | I.T. STORAGE | 2149 | OFFICE |
| 2103 | MOF/DATA CENTER | 2150 | OFFICE |
| 2104 | I.T. WORKSTATION | 2151 | FAMILY HEALTH OPEN OFFICE |
| 2105 | I.T. COORDINATOR OFFICE | 2152 | OFFICE |
| 2106 | CORRIDOR | 2153 | CORRIDOR |
| 2107 | CONFERENCE ROOM | 2154 | CORRIDOR |
| 2108 | H.R. WAITING | 2155 | OFFICE |
| 2109 | H.R. OPEN OFFICE | 2156 | CORRIDOR |
| 2110 | H.R. CONFERENCE ROOM | 2157 | HIGH DENSITY FILES ROOM |
| 2112 | H.R. OFFICE | 2158 | STORAGE ROOM |
| 2113 | H.R. COORDINATOR OFFICE | 2159 | WORK ROOM |
| 2114 | H.R. FILES | 2160 | MENS RESTROOM |
| 2115 | CORRIDOR | 2161 | CORRIDOR |
| 2115 | NOT USED | 2162 | WOMENS RESTROOM |
| 2117 | EXEC. DIR. ASSISTANT | 2163 | TEAMROOM |
| 2118 | EXEC. DIR. OFFICE | 2164 | CONFERENCE ROOM |
| 2119 | EXEC. DIR. CONF. ROOM | 2200 | CHILD/ADOLESCENT WAITING |
| 2120 | DIRECTOR OF ADMIN OFFICE | 2201 | CORRIDOR |
| 2121 | MEDIA OFFICE | 2202 | NOT USED |
| 2122 | WORKROOM | 2203 | GROUP ROOM |
| 2123 | UNISEX RESTROOM | 2204 | CORRIDOR |
| 2125 | UNISEX RESTROOM | 2205 | CRISIS ROOM |
| 2126 | NOT USED | 2206 | CONSULT |
| 2127 | FINANCE OPEN OFFICE | 2207 | CONSULT |
| 2127A | FINANCE STORAGE | 2250 | ADULT WAITING |
| 2128 | FINANCE OFFICE | 2251 | MEDICAL RECORDS |
| 2129 | FINANCE COORDINATOR OFFICE | 2252 | BILLING SUPERVISOR OFFICE |
| 2130 | FINANCE OFFICE | 2253 | RECEPTION AREA |
| 2131 | FINANCE OFFICE | 2254 | CORRIDOR |
| 2132 | CORRIDOR | 2255 | GROUP ROOM |
| 2133 | EPR OPEN OFFICE | 2256 | CORRIDOR |
| 2134 | EPR STORAGE | | |

GENERAL NOTES

- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- ALL PIPING AND DUCTWORK IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL REQUIRED FITTINGS, OFFSETS, DROPS AND RISERS. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM. COORDINATE WITH OTHER TRADES FOR SPACE AVAILABLE AND RELATIVE LOCATIONS OF EQUIPMENT, PIPING, DUCTWORK, ETC.
- ALL TAPES AND MASTICS USED TO SEAL DUCTWORK LISTED AND LABELED IN ACCORDANCE WITH UL 181A SHALL BE MARKED ACCORDINGLY. ALL TAPES AND MASTICS USED TO SEAL FLEXIBLE DUCTS AND AIR CONNECTORS SHALL COMPLY WITH UL 181B AND MARKED ACCORDINGLY.
- THERMOSTATIC CONTROLS OF EQUIPMENT SHALL HAVE A 5' F DEADBAND.
- GENERALLY, SMALL DIAMETER PIPE RUNS FROM DRIPS, CONDENSATE PANS AND OTHER SERVICES ARE NOT SHOWN BUT MUST BE PROVIDED.
- SPACE ALLOCATION, COORDINATION WITH ELECTRICAL, ARCHITECTURAL & OTHER MECHANICAL COMPONENTS HAVE BEEN MADE WITH RESPECT TO ALL EQUIPMENT SCHEDULED ON THESE DRAWINGS AND IN THE SPECIFICATIONS OF THE FIRST NAMED MANUFACTURER ONLY. OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET PERFORMANCE REQUIREMENTS AND AFOREMENTIONED COORDINATION.
- DO NOT CUT THROUGH THE MASONRY BOND BEAMS OR OTHER STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL DUCTWORK, PIPING, CONDUITS OR OTHER WORK. COORDINATE WITH THE STRUCTURAL DRAWINGS AND MASON CONTRACTOR FOR ALL BOND BEAM AND STRUCTURAL ELEMENT LOCATIONS. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETRO-FIT/REINFORCING DEEMED NECESSARY TO REINSTATE THE CONTINUITY OF THE DISRUPTED ELEMENTS.
- ALL ROOFTOP EQUIPMENT (ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC.) AND THEIR CORRESPONDING CURBS TO BE ATTACHED TO THE STRUCTURAL FRAMING AS REQUIRED TO RESIST THE WIND AND SEISMIC FORCES IDENTIFIED ON SHEET S010. ANCHORAGE TO METAL DECKING IS NOT ACCEPTABLE. CONTRACTOR/MANUFACTURER TO CONSULT AN INDEPENDENT STRUCTURAL ENGINEER TO REVIEW, DESIGN AND DETAIL THE REQUIRED CONNECTIONS.
- HEATING AND COOLING DESIGN LOADS FOR THE BUILDING HAVE BEEN CALCULATED WITH ELITE SOFTWARE, COMMERCIAL HVAC LOADS PROGRAM, VERSION 8.02.45, IN ACCORDANCE WITH ASHRAE STANDARDS. INTERIOR DESIGN TEMPERATURES ARE MAXIMUM 72 DEGREES F FOR HEATING AND A MINIMUM OF 75 DEGREES F FOR COOLING.
- OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.

KEY PLAN



| ISSUED | REVISION | DATE | BY | APP'D | DESCRIPTION |
|--------|----------|------|------|-------|--------------|
| 1 | 10/11/18 | B.P. | B.P. | | ISSUED |
| 2 | 10/10/18 | B.P. | B.P. | | ADDENDUM #1 |
| 3 | 11/12/18 | B.P. | B.P. | | ADDENDUM #2 |
| 4 | 11/12/18 | B.P. | B.P. | | ADDENDUM #3 |
| 5 | 11/12/18 | B.P. | B.P. | | ADDENDUM #4 |
| 6 | 11/12/18 | B.P. | B.P. | | ADDENDUM #5 |
| 7 | 11/12/18 | B.P. | B.P. | | ADDENDUM #6 |
| 8 | 11/12/18 | B.P. | B.P. | | ADDENDUM #7 |
| 9 | 11/12/18 | B.P. | B.P. | | ADDENDUM #8 |
| 10 | 12/03/18 | B.P. | B.P. | | ADDENDUM #9 |
| 11 | 12/05/18 | B.P. | B.P. | | ADDENDUM #10 |

JOB NO. 17-401-1124
 DRAWN BWG
 CHECKED DDW
 APPROVED DDW

SHEET TITLE

PARTIAL SECOND FLOOR PIPING PLAN - AREA 'A'

SHEET NUMBER

M421

WILL COUNTY HEALTH DEPARTMENT
 THE COUNTY OF WILL
 501 ELLA AVENUE
 JOLIET, IL 60433

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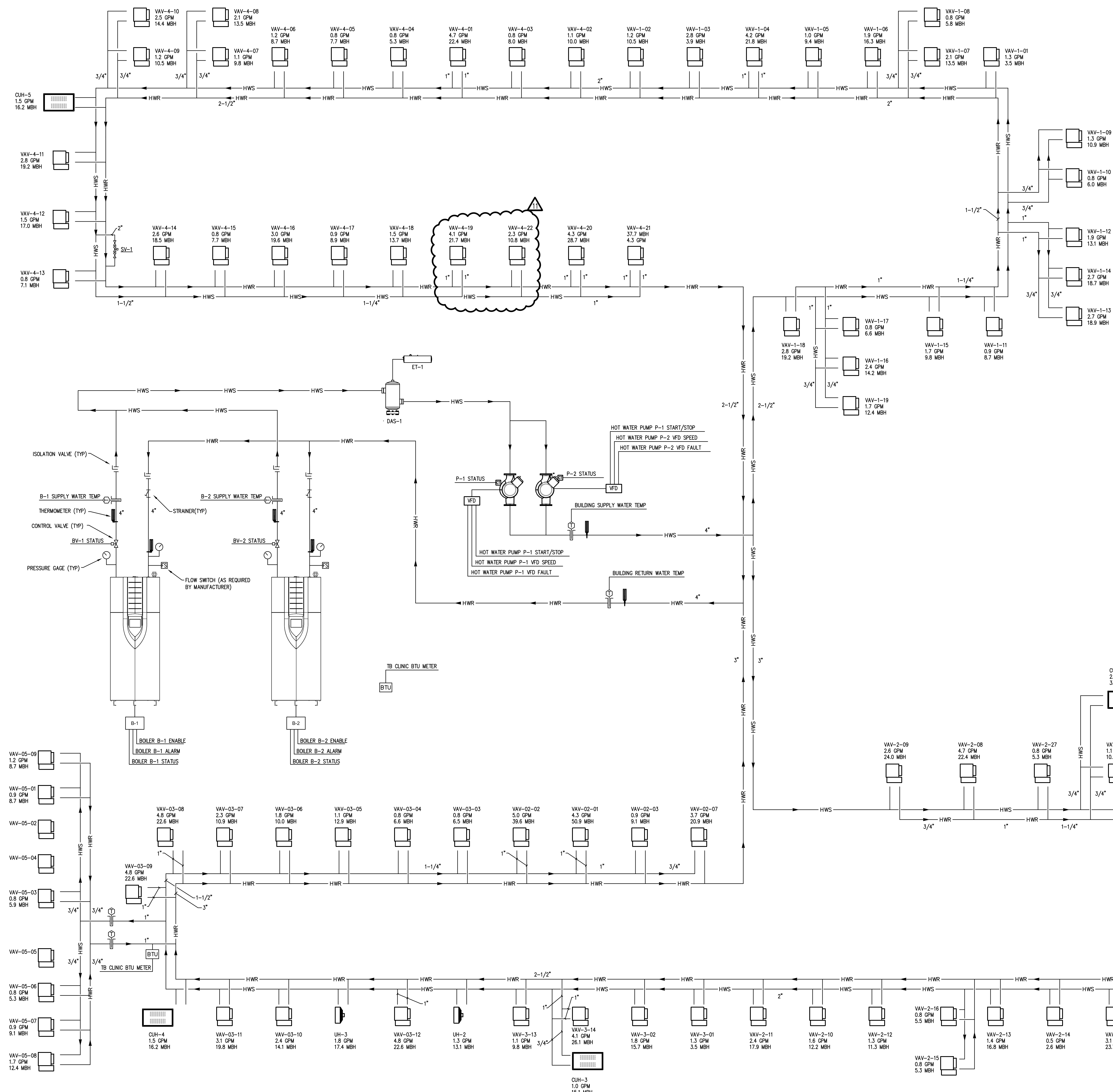
Kluber
 Architects + Engineers

PARTIAL SECOND FLOOR PIPING PLAN - AREA 'A'

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

1

BOILER CONTROL SCHEMATIC



SEQUENCE OF OPERATIONS

BOILER (B-1, B-2):

THE BOILER CONTROLLER SHALL CONTROL THE OPERATION OF THE TWO BOILERS. THE LEAD BOILER SHALL BE ENABLED WHEN THE OUTSIDE AIR TEMPERATURE FALLS BELOW 60 DEGREES F (ADJ). THE BOILER CONTROL PANEL SHALL EQUALIZE THE RUN TIME OF THE TWO BOILERS AUTOMATICALLY AT SET INTERVALS.

THE BOILER CONTROL PANEL SHALL ENERGIZE THE BOILERS IN AN ENERGY OPTIMIZATION SEQUENCE. ON A CALL FOR HEAT THE FIRST BOILER CONTROL VALVE BV-X SHALL OPEN. THE FIRST BOILER SHALL MODULATE ITS FIRING RATE TO MAINTAIN THE HEATING WATER TEMPERATURE SETPOINT. ONCE THE FIRST BOILER REACHES 50% OF ITS FIRING RATE THE SECOND BOILER CONTROL VALVE BV-Y SHALL OPEN. THE BOILER CONTROLLER SHALL CALCULATE THE RATE AT WHICH THE FIRST AND SECOND BOILER SHOULD FIRE TO MEET THE BUILDING LOAD. THE BOILERS SHALL THEN MODULATE THEIR FIRING RATE TOGETHER TO MAINTAIN THE HEATING WATER TEMPERATURE SETPOINT.

AS THE HEATING DEMAND DECREASES, THE BOILERS FIRING RATE SHALL MODULATE DOWN TOGETHER UNTIL THEY REACH A MINIMUM OF 10% OF THEIR FIRING RATE AT WHICH TIME THE SECOND BOILER SHALL BE DE-ENERGIZED AND THE ASSOCIATED BOILER CONTROL VALVE BV-X SHALL CLOSE. THE FIRST BOILER FIRING RATE SHALL THEN MODULATE TO MEET THE HEATING LOAD.

AS SYSTEM 2-WAY VALVES CLOSE REDUCING THE SYSTEM FLOW RATE, SYSTEM CONTROL VALVE (SV-1) SHALL MODULATE AS REQUIRED TO MAINTAIN THE MINIMUM FLOW RATE THROUGH THE BOILERS AS MEASURED BY THE SYSTEM FLOW METER. WHEN ONE BOILER IS ENERGIZED THE FLOW SHALL BE 18 GPM. WHEN TWO BOILERS ARE ENERGIZED THE FLOW SHALL BE 36 GPM. AS THE SYSTEM 2-WAY VALVES OPEN AND FLOW INCREASES SV-1 SHALL CLOSE.

THE HEATING WATER TEMPERATURE SHALL BE RESET BASED ON OUTDOOR AIR TEMPERATURE. THE WATER TEMPERATURE SHALL BE 140 DEGREES F WHEN THE OUTDOOR AIR TEMPERATURE IS 0 DEGREES F. THE WATER TEMPERATURE SHALL BE 100 DEGREES F WHEN THE OUTDOOR AIR TEMPERATURE IS 60 DEGREES F. TEMPERATURE RESET CURVES AND SETPOINTS SHALL BE ADJUSTABLE.

AN ALARM SHALL BE GENERATED IF THERE IS A BOILER ALARM OR A LOW WATER LEVEL ALARM.

IF THE BOILER EMERGENCY SHUTDOWN SWITCH IS ACTIVATED. ALL OF THE BOILERS SHALL BE IMMEDIATELY DE-ENERGIZED AND AN ALARM SHALL BE GENERATED.

A BTU ENERGY METER SHALL BE INSTALLED TO MONITOR THE ENERGY CONSUMPTION OF THE TUBERCULOSIS CLINIC HOT WATER REHEAT COILS. THE BTU METER SHALL MONITOR THE SUPPLY AND RETURN WATER TEMPERATURE ALONG WITH THE FLOW TO THE TUBERCULOSIS CLINIC AND CALCULATE THE TOTAL ENERGY CONSUMPTION. THE ENERGY CONSUMPTION SHALL BE TRENDED TO ALLOW FOR OWNER TO BILL TENANT FOR ENERGY CONSUMED OVER A PERIOD OF TIME.

PUMP (P-1, P-2)

THE HEATING WATER PUMPS SHALL OPERATE IN A LEAD/LAG SEQUENCE. IF THE LEAD PUMP FAILS, THE LAG PUMP SHALL BE ENERGIZED. THE PUMPS SHALL BE ALTERNATED AS LEAD AT SET INTERVALS.

UPON A CALL FOR HEAT THE LEAD PUMP SHALL BE ENERGIZED. THE PUMP SPEED SHALL MODULATE TO MEET SYSTEM DEMAND BASED ON SENSORLESS SYSTEM PRESSURE CONTROL.

AN ALARM SHALL BE GENERATED UPON A PUMP OR A VFD FAULT STATUS.

POINTS LIST

| BOILER (B-1, B-2) | HARDWARE | | | | | SOFTWARE | | | |
|--|----------|----|----|----|-------|----------|-------|---------|---|
| | AI | AO | DI | DO | SCHED | TREND | ALARM | GRAPHIC | |
| BOILER ENABLE (B-1, B-2) | | | | X | X | | | | X |
| BOILER STATUS (B-1, B-2) | | | X | | | | | | X |
| BOILER ALARM (B-1, B-2) | | | X | | | | | | X |
| BOILER FIRING RATE (B-1, B-2) | X | | | | | | X | | X |
| HOT WATER PUMP START/STOP (P-1, P-2) | | | | X | | | | | X |
| HOT WATER PUMP STATUS (P-1, P-2) | | | X | | | | | | X |
| HOT WATER PUMP VFD SPEED (P-1, P-2) | | X | | | | | X | | X |
| HOT WATER PUMP VFD FAULT (P-1, P-2) | | X | | | | | | | X |
| BUILDING SUPPLY WATER TEMPERATURE | X | | | | | | X | | X |
| BUILDING RETURN WATER TEMPERATURE | X | | | | | | X | | X |
| BUILDING HOT WATER SETPOINT | | X | | | | | X | X | X |
| BOILER SUPPLY WATER TEMPERATURE (B-1, B-2) | X | | | | | | X | | X |
| SYSTEM HOT WATER FLOW RATE (FM) | X | | | | | | X | X | X |
| SYSTEM CONTROL VALVE (SV-1) | | X | | | | | X | | X |
| BOILER KILL SWITCH STATUS | | | X | | | | X | | X |
| BOILER CONTROL VALVE (BV-1, BV-2) | | | X | | | | | | X |
| OUTSIDE AIR TEMPERATURE | X | | | | | | X | | X |
| TB CLINIC FLOW RATE | X | | | | | | X | | X |
| TB CLINIC HOT WATER SUPPLY TEMPERATURE | X | | | | | | X | | X |
| TB CLINIC HOT WATER RETURN TEMPERATURE | X | | | | | | X | | X |
| TB CLINIC HOT WATER BTU METER | X | | | | | | X | | X |
| FLOW SWITCH STATUS | | | | X | | | | | X |

NOTE: ALL ADDITIONAL POINTS AVAILABLE FROM BOILER AND PUMP CONTROLLERS SHALL BE INTERFACED IN A TABLE FORMAT.

| ISSUED | BY | DATE | REVISION |
|--------|--------|----------|--------------------------------|
| 1 | KLUBER | 10/10/18 | B.P. #1 - ADDENDUM #1 |
| 2 | KLUBER | 10/10/18 | B.P. #1 - ADDENDUM #2 |
| 3 | KLUBER | 11/12/18 | B.P. #1 - PLAN REVIEW COMMENTS |
| 4 | KLUBER | 10/27/18 | B.P. #2 - ADDENDUM #1 |
| 5 | KLUBER | 10/27/18 | B.P. #2 - ADDENDUM #2 |
| 6 | KLUBER | 11/09/18 | B.P. #2 - ADDENDUM #3 |
| 7 | KLUBER | 11/13/18 | B.P. #2 - ADDENDUM #4 |
| 8 | KLUBER | 12/03/18 | B.P. #3 - ADDENDUM #1 |
| 9 | KLUBER | 12/03/18 | B.P. #3 - ADDENDUM #2 |
| 10 | KLUBER | 12/03/18 | B.P. #3 - ADDENDUM #3 |
| 11 | KLUBER | 12/03/18 | B.P. #3 - ADDENDUM #4 |

| | |
|---|-------------|
| JOB NO. | 17-401-1124 |
| DRAWN | BWG |
| CHECKED | DDW |
| APPROVED | DDW |
| SHEET TITLE | |
| TEMPERATURE CONTROLS AND PIPING SCHEMATIC | |
| SHEET NUMBER | |

ROOF TOP UNIT SCHEDULE

| MARK | AIR FLOW (CFM) | MINIMUM OA (CFM) | COOLING | | | | | | | | | | HEATING | | | | SUPPLY FAN (HP) | EXTERNAL STATIC PRESS (IN WG) | EXHAUST FAN (HP) | EXTERNAL STATIC PRESS (IN WG) | OA AIR FLOW (CFM) | EA AIRFLOW (CFM) | SUMMER SUPPLY ENT AIR-LVG AIR (db / wb °F) | SUMMER EXHAUST ENT AIR (db / wb °F) | HEAT WHEEL | | | | TOTAL WINTER HEAT FLOW (MBH) | TOTAL WINTER EFFECTIVENESS SENS. / TOTAL | WINTER SUPPLY ENT AIR-LVG AIR (db / wb °F) | WINTER EXHAUST ENT AIR (db / wb °F) | ELECTRICAL | | | MAXIMUM OPERATING WEIGHT (LBS) | MODEL | NOTES |
|--|-------------------|---------------------|------------------------------|------------------------------|---------------------|--------------------|-------------------|--------------------|-------------|--------------------|---------------------|-----------------------|------------|------------------------------------|--|---------|-----------------------|-------------------------------------|------------------------|-------------------------------------|----------------------|---------------------|--|---|-------------|-------|-------------|----------|------------------------------------|--|--|---|------------|--|--|--------------------------------------|-------|-------|
| | | | ENT AIR TEMP (db / wb °F) | LVG AIR TEMP (db / wb °F) | REFRIGERANT TYPE | OA TEMP (db °F) | SENS CAP (MBH) | TOTAL CAP (MBH) | MIN IEER | GAS INPUT (MBH) | GAS OUTPUT (MBH) | ENT / LVG AIR (°F) | STAGES | TOTAL SUMMER HEAT FLOW (MBH) | TOTAL SUMMER EFFECTIVENESS SENS. / TOTAL | VIP/PHZ | | | | | | | | | MCA | MOP | | | | | | | | | | | | |
| RTU-1 | 9,100 | 2,750 | 76.5 / 63.5 | 53.9 / 53.7 | R-410A | 90 | 224.3 | 260.7 | 20.3 | 300 | 240 | 25.0 / 75 | MODULATING | 10 | 2.6 | 2 Ø 4 | 0.75 | 2750 | 2450 | 90.0/74.0-79.8/66.6 | 75.0 / 62.0 | 74.2 | 0.74 / 0.70 | 0.0/0.0-45.6/35.8 | 70.0 / 50.0 | 156.6 | 0.74 / 0.73 | 460/3/60 | 61.6 | 90 | 4450 | DPS | 1, 2, 3, 4 | | | | | |
| RTU-2 | 16,300 | 5,000 | 76.3 / 63.3 | 54.0 / 53.1 | R-410A | 90 | 396.9 | 480.1 | 13.5 | 900 | 640 | 25.0 / 84 | MODULATING | 20 | 2.75 | 2 Ø 8 | 0.75 | 5000 | 4100 | 90.0/74.0-79.1/65.9 | 75.0 / 62.0 | 146.7 | 0.86 / 0.82 | 0.0/0.0-49.0/38.0 | 70.0 / 50.0 | 307.0 | 0.85 / 0.87 | 460/3/60 | 120.3 | 125 | 7250 | MPS | 1, 2, 3, 4 | | | | | |
| RTU-3 | 7,100 | 2,530 | 76.7 / 63.6 | 54.1 / 54.0 | R-410A | 90 | 175.0 | 201.8 | 20.3 | 450 | 360 | 0.0 / 83 | MODULATING | 7.5 | 2.75 | 2 Ø 4 | 0.75 | 2530 | 2330 | 90.0/74.0-79.5/66.3 | 75.0 / 62.0 | 70.8 | 0.74 / 0.70 | 0.0/0.0-47.1/36.8 | 70.0 / 50.0 | 149.6 | 0.75 / 0.73 | 460/3/60 | 49.8 | 70 | 4400 | DPS | 1, 2, 3, 4 | | | | | |
| RTU-4 | 14,000 | 4,200 | 76.4 / 63.4 | 55.3 / 54.2 | R-410A | 90 | 323.3 | 378.4 | 12.5 | 300 | 240 | 25.0 / 55 | MODULATING | 15 | 2.25 | 2 Ø 8 | 0.75 | 4200 | 3650 | 90.0/74.0-79.7/66.5 | 75.0 / 62.0 | 115.1 | 0.77 / 0.73 | 0.0/0.0-46.0/36.1 | 70.0 / 50.0 | 243.5 | 0.78 / 0.76 | 460/3/60 | 97.6 | 110 | 5700 | MPS | 1, 2, 3, 4 | | | | | |
| RTU-5 | 2,500 | 1,100 | 82.3 / 69.3 | 57.6 / 57.6 | R-410A | 90 | 67.5 | 96.2 | 19.3 | 300 | 240 | 0.0 / 88.5 | MODULATING | 4.0 | 2.0 | 2.3 | 0.5 | - | - | - | - | - | - | - | - | - | - | 460/3/60 | 18.8 | 20 | 2300 | DPS | 1, 2, 3, 4 | | | | | |
| NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. MODEL BASED ON DAIKIN. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. PROVIDE ECONOMIZER WITH ENTHALPHY CONTROL AND 30% EFFICIENCY FILTERS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. PROVIDE UNIT MOUNTED EXHAUST FAN. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROVIDE WITH INVERTER SCROLL COMPRESSORS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NOTES

- MODEL BASED ON DAKIN.
- PROVIDE ECONOMIZER WITH ENTHALPY CONTROL AND 30% EFFICIENCY FILTERS.
- PROVIDE UNIT MOUNTED EXHAUST FAN.
- PROVIDE WITH INVERTER SCROLL COMPRESSORS.

CABINET UNIT HEATER SCHEDULE

| MARK | AIR FLOW RATE (CFM) | AIR PRESS DROP (IN WG) | EAT / LAT (°F) | WATER FLOW RATE (GPM) | WATER PRESS DROP (FT) | EWI / LWT (°F) | MIN CAPACITY (MBH) | SUPPLY FAN (HP) | ELECTRICAL (V/PHHZ) | MODEL | AREA SERVED | NOTES |
|-------|------------------------|---------------------------|-------------------|--------------------------|--------------------------|-------------------|-----------------------|--------------------|------------------------|---------|----------------|------------|
| CUH-1 | 330 | — | 60 / 113 | 2.0 | 0.38 | 140 / 120 | 33.1 | 1/15 | 120/1/60 | RW-1120 | RM 1000 | 1, 2, 3, 4 |
| CUH-2 | 335 | — | 60 / 94 | 1.0 | 0.07 | 140 / 120 | 21.3 | 1/15 | 120/1/60 | W-1080 | RM 1121 | 1, 2, 4 |
| CUH-3 | 185 | — | 60 / 103 | 1.0 | 0.06 | 140 / 120 | 15.1 | 1/15 | 120/1/60 | RC-1200 | RM 1018 | 1, 2, 4 |
| CUH-4 | 230 | — | 60 / 97 | 1.5 | 0.15 | 140 / 120 | 16.2 | 1/15 | 120/1/60 | W-1080 | RM 1310 | 1, 2, 4 |
| CUH-5 | 230 | — | 60 / 97 | 1.5 | 0.15 | 140 / 120 | 16.2 | 1/15 | 120/1/60 | F-1020 | RM 3294 | 1, 2, 4, 5 |

NOTES

- MODEL BASED ON VULCAN.
- PROVIDE WITH ECM MOTORS.
- 2-ROW COIL.
- COLOR TO BE SELECTED BY THE ARCHITECT.
- PROVIDE WITH LOUVERED INLET GRILLE.

UNIT HEATER SCHEDULE

| MARK | AIR FLOW RATE (CFM) | EAT / LAT (°F) | WATER FLOW RATE (GPM) | WATER PRESS DROP (FT) | EWI / LWT (°F) | MIN CAPACITY (MBH) | SUPPLY FAN (WATTS) | ELECTRICAL (V/PHHZ) | MODEL | AREA SERVED | NOTES |
|------|------------------------|-------------------|--------------------------|--------------------------|-------------------|-----------------------|-----------------------|------------------------|-------|----------------|-------|
| UH-1 | 395 | 60 / 78 | 1.3 | 0.005 | 140 / 120 | 13.1 | 16 | 120/1/60 | HV | RM 1122 | 1 |
| UH-2 | 395 | 60 / 78 | 1.3 | 0.005 | 140 / 120 | 13.1 | 16 | 120/1/60 | HV | RM 1301 | 1 |
| UH-3 | 450 | 60 / 81 | 1.8 | 0.014 | 140 / 120 | 17.4 | 16 | 120/1/60 | HV | RM 1303 | 1 |

NOTES

- MODEL BASED ON VULCAN.

BOILER SCHEDULE

| MARK | TYPE | WATER FLOW RATE (GPM) | MAX PRESS DROP (FT) | GAS INPUT (MBH) | GAS OUTPUT (MBH) | EWI / LWT (°F) | ELECTRICAL (V/PHHZ) | MINIMUM EFFICIENCY | MODEL | NOTES |
|------|------------|--------------------------|------------------------|--------------------|---------------------|-------------------|------------------------|-----------------------|-------|-------|
| B-1 | CONDENSING | 183 | 6.0 | 1,250 | 1,200 | 140 / 120 | 120/1/60 | 96% | CREST | 1 |
| B-2 | CONDENSING | 183 | 6.0 | 1,250 | 1,200 | 140 / 120 | 120/1/60 | 96% | CREST | 1 |

NOTES

- MODEL BASED ON LOCHINVAR.

PUMP SCHEDULE

| MARK | WATER FLOW RATE (GPM) | HEAD (FT) | TYPE | MOTOR POWER (HP) | ELECTRICAL (V/PHHZ) | MOTOR SPEED (RPM) | SERVICE | MODEL | NOTES |
|------|--------------------------|--------------|-------------|---------------------|------------------------|----------------------|---------|-------------|-------|
| P-1 | 183 | 78 | VERT INLINE | 5.0 | 460/3/60 | 3600 | BOILERS | SERIES 4300 | 1 |
| P-2 | 183 | 78 | VERT INLINE | 5.0 | 460/3/60 | 3600 | BOILERS | SERIES 4300 | 1 |

NOTES

- MODEL BASED ON ARMSTRONG.
- PARALLEL SENSORLESS VARIABLE SPEED CONTROL OPERATION.

EXPANSION TANK SCHEDULE

| MARK | TANK VOLUME (GAL) | TANK ACCEPTANCE (GAL) | LENGTH X DIAMETER (IN X IN) | MAXIMUM DESIGN PRESS (PSIG) | MAXIMUM DESIGN TEMP (°F) | SERVICE | LOCATION | MODEL | NOTES |
|------|-------------------------|-----------------------------|-----------------------------------|-----------------------------------|--------------------------------|---------|----------|--------|-------|
| ET-1 | 80.0 | 80.0 | 52 X 24 | 125 | 240 | BOILERS | RM 2005 | A300-L | 1 |

NOTES

- MODEL BASED ON ARMSTRONG.

ELECTRIC UNIT HEATER SCHEDULE

| MARK | AIR FLOW RATE (CFM) | MIN CAPACITY (KW) | AIR TEMP RISE (°F) | ELECTRICAL (V/PHHZ) | MODEL | AREA SERVED | NOTES |
|-------|------------------------|----------------------|-----------------------|------------------------|---------|----------------|-------|
| ECH-1 | 175 | 4.0 | 72 | 277/1/60 | BCH4027 | RM 1400 | 1, 2 |

NOTES

- MODEL BASED ON BRASCH.
- PROVIDE MOUNTING ACCESSORIES AS REQUIRED FOR FULLY RECESSED INSTALLATION IN CEILING GRID.

DIRT / AIR SEPARATOR SCHEDULE

| MARK | WATER FLOW (GPM) | MAX WPD (FT) | INLET / OUTLET SIZE (IN) | MAX DESIGN PRESSURE (PSIG) | MODEL | NOTES |
|------|---------------------|-----------------|-----------------------------|-------------------------------|--------|-------|
| AS-1 | 183 | 0.8 | 4 / 4 | 150 | VON400 | 1 |

NOTES

- MODEL BASED ON SPIROTHERM.

COMPUTER ROOM A/C SCHEDULE

| MARK | AIR FLOW (CFM) | ENT AIR TEMP (db / wb °F) | LVG AIR TEMP (db / wb °F) | REFRIGERANT TYPE | SENS CAP (MBH) | TOTAL CAP (MBH) | COIL ROWS/ FACE VEL (FPM) | FILTER TYPE EFFICIENCY (MERV) | SUPPLY FAN (HP) / TYPE | EXTERNAL STATIC PRESS (IN WG) | ELECTRICAL VIP/PHZ FLA | MODEL | AREA SERVED | NOTES | |
|--------|-------------------|------------------------------|------------------------------|---------------------|-------------------|--------------------|---------------------------------|-------------------------------------|------------------------------|-------------------------------------|------------------------------|-------|----------------|-------|---|
| CRAC-1 | 2,250 | 80 / 62.9 | 57.0 / 53.3 | R-410A | 54.9 | 60.6 | 3 / 349 | PLEATED / 8 | 5 Ø 1.0 / EC PLUG | 0.0 | 480/3/60 | 16.8 | CR019RA | MDF | 1 |
| CRAC-2 | 2,250 | 80 / 62.9 | 57.0 / 53.3 | R-410A | 54.9 | 60.6 | 3 / 349 | PLEATED / 8 | 5 Ø 1.0 / EC PLUG | 0.0 | 460/3/60 | 16.8 | CR019RA | MDF | 1 |

NOTES

- MODEL BASED ON LIEBERT.

AIR-COOLED CONDENSER SCHEDULE

| MARK | NOMINAL CLG CAP (MBH) | AMBIENT OAT (°F) | REFRIGERANT TYPE | ELECTRICAL | | MODEL | UNIT SERVED | NOTES |
|-------|--------------------------|---------------------|---------------------|------------|-----|----------|----------------|-------|
| | | | | V/PH/Hz | FLA | | | |
| ACC-1 | 72 | 95 | R-410A | 460/3/60 | 1.4 | MSC028E1 | CRAC-1 | 1 |
| ACC-2 | 72 | 95 | R-410A | 460/3/60 | 1.4 | MSC028E1 | CRAC-2 | 1 |

NOTES

- MODEL BASED ON LIEBERT.

VARIABLE AIR VOLUME BOX SCHEDULE

| MARK | AIR FLOW (CFM) | MIN AIR FLOW (CFM) | INLET SIZE (IN) | REHEAT COIL | | | | | | MODEL | AREA SERVED | NOTES | |
|----------|-------------------|-----------------------|--------------------|-------------------|--------------------|-------------------|----------------|----------------|-----------------|-------|----------------|-------------|-------------------|
| | | | | AIR FLOW (CFM) | MAX APD (IN WG) | EAT / LAT (°F) | WATER (GPM) | EWTLWT (°F) | MAX WPD (°F) | | | | CAPACITY (MWH) |
| VAV-5-01 | 390 | 130 | 8 | 200 | 0.11 | 55 / 95 | 0.9 | 140 / 120 | 0.2 | 8.7 | DES | 1401, 1402 | 1 |
| VAV-5-03 | 360 | 120 | 6 | 120 | 0.15 | 55 / 100.2 | 0.8 | 140 / 125.7 | 0.14 | 5.9 | DES | 1407, 1419 | 1 |
| VAV-5-06 | 255 | 100 | 6 | 100 | 0.08 | 55 / 104.0 | 0.8 | 140 / 127.1 | 0.14 | 5.3 | DES | RM 1410 | 1 |
| VAV-5-07 | 415 | 140 | 8 | 210 | 0.12 | 55 / 95 | 0.9 | 140 / 120.4 | 0.22 | 9.1 | DES | 1412-13, 14 | 1 |
| VAV-5-08 | 380 | 125 | 8 | 285 | 0.1 | 55 / 95 | 1.7 | 140 / 124.8 | 0.42 | 12.4 | DES | 1416-18, 20 | 1 |
| VAV-5-09 | 270 | 90 | 6 | 200 | 0.09 | 55 / 95 | 1.2 | 140 / 125.8 | 0.23 | 8.7 | DES | RM 1422 | 1 |

NOTES

- MODEL BASED ON TITUS.

VARIABLE AIR VOLUME BOX SCHEDULE

| MARK | MAXIMUM AIR FLOW (CFM) | MINIMUM AIR FLOW (CFM) | INLET SIZE (IN) | REHEAT COIL | | | | MODEL | AREA SERVED | NOTES |
|----------|---------------------------|---------------------------|--------------------|-------------------|-------------------|---------------------|------------------|-------|----------------|-------|
| | | | | AIR FLOW (CFM) | EAT / LAT (°F) | STEPS OF CONTROL | CAPACITY (KW) | | | |
| VAV-5-02 | 175 | 175 | 6 | 175 | 55 / 91.1 | MODULATING | 2.0 | DES | RM 1404 | 1, 2 |
| VAV-5-04 | 175 | 175 | 6 | 175 | 55 / 91.1 | MODULATING | 2.0 | DES | RM 1406 | 1, 2 |
| VAV-5-05 | 175 | 175 | 6 | 175 | 55 / 91.1 | MODULATING | 2.0 | DES | RM 1408 | 1, 2 |

NOTES

- MODEL BASED ON TITUS.
- ELECTRICAL: 277/1/60

FAN SCHEDULE

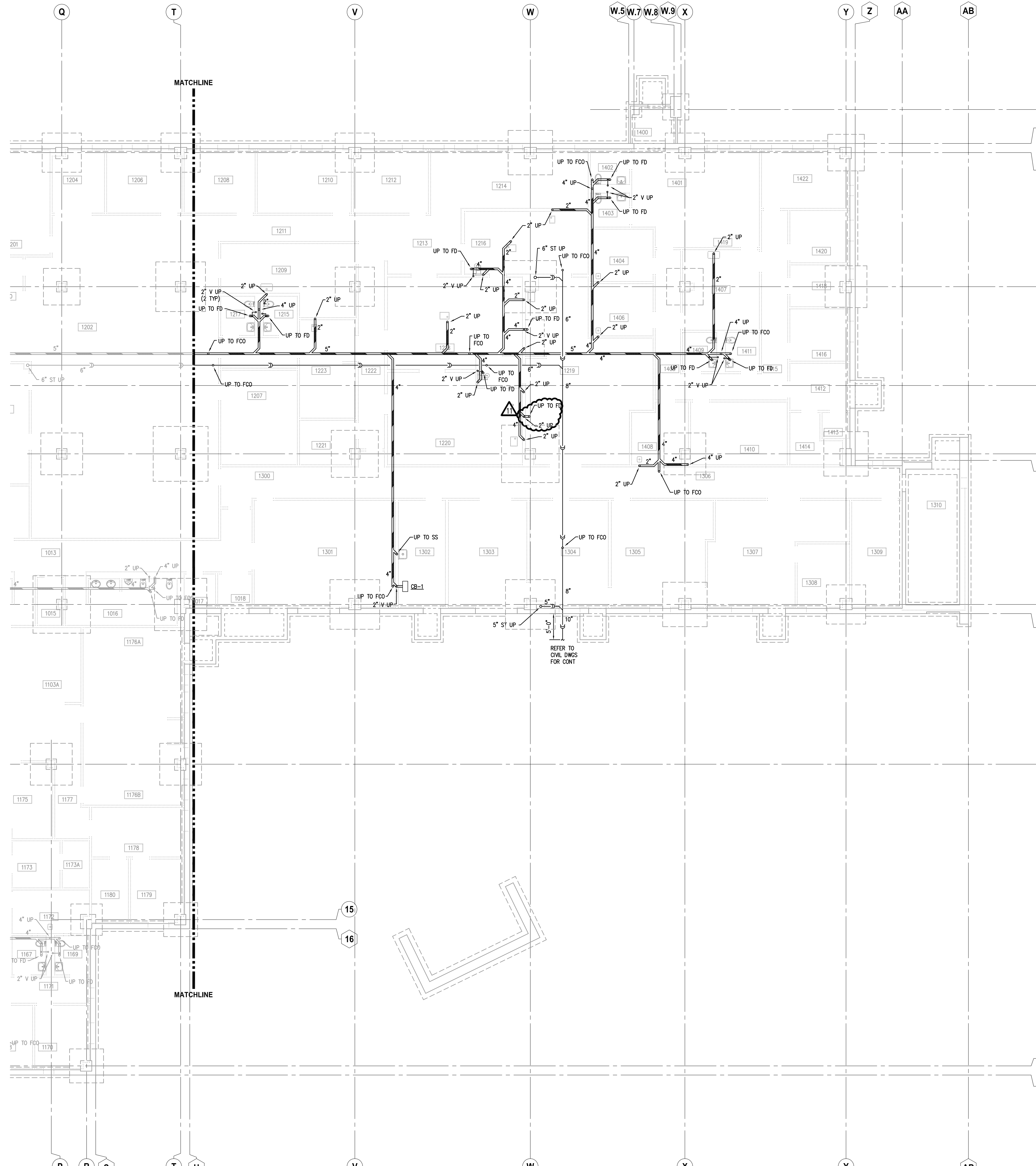
| MARK | AIR FLOW RATE (CFM) | EXTERNAL S.P. (IN WG) | TYPE | MOTOR (HP) | ELECTRICAL (V/PHHZ) | AREA SERVED | LOCATION | MODEL | NOTES |
|-------|------------------------|--------------------------|-------------|---------------|------------------------|----------------|----------|-----------|---------|
| EF-1 | 350 | 0.75 | CENTRIFUGAL | 1/3 | 115/1/60 | — | ROOF | ACRU-D VF | 1, 2, 4 |
| EF-2 | 125 | 0.5 | CENTRIFUGAL | 1/4 | 115/1/60 | 1167, 1169 | ROOF | ACRU-B | 1, 2 |
| EF-3 | 300 | 0.5 | CENTRIFUGAL | 1/6 | 115/1/60 | 2007, 2009 | ROOF | ACRU-EC | 1, 2 |
| EF-4 | 75 | 0.5 | CENTRIFUGAL | 1/4 | 115/1/60 | RM 1017 | ROOF | ACRU-B | 1, 2 |
| EF-5 | 475 | 0.75 | CENTRIFUGAL | 1/3 | 115/1/60 | — | ROOF | ACRU-D VF | 1, 2, 5 |
| EF-6 | 100 | 0.5 | CENTRIFUGAL | 1/4 | 115/1/60 | 1215, 1217 | ROOF | ACRU-B | 1, 2 |
| EF-7 | 1400 | 0.65 | CENTRIFUGAL | 3/4 | 115/1/60 | 1219 | ROOF | ACRU-EC | 1, 2 |
| EF-8 | 2430 | 1.5 | CENTRIFUGAL | 3 | 460/3/60 | FUME HOODS | ROOF | VEKTOR-HS | 3, 8 |
| EF-9 | 150 | 0.5 | CENTRIFUGAL | 1/4 | 115/1/60 | — | ROOF | ACRU-B | 1, 2, 6 |
| EF-10 | 250 | 0.75 | CENTRIFUGAL | 1/4 | 115/1/60 | — | ROOF | ACRU-B | 1, 2, 7 |
| EF-11 | 225 | 0.625 | CENTRIFUGAL | 1/6 | 115/1/60 | RM 1408 | ROOF | ACRU-EC | 1, 2, 9 |
| EF-12 | 225 | 0.625 | CENTRIFUGAL | 1/6 | 115/1/60 | RM 1404 | ROOF | ACRU-EC | 1, 2, 9 |
| EF-13 | 75 | 0.75 | CENTRIFUGAL | 1/4 | 115/1/60 | RM 1413 | ROOF | ACRU-B | 1, 2 |
| EF-14 | 225 | 0.625 | CENTRIFUGAL | 1/6 | 115/1/60 | RM 1408 | ROOF | ACRU-EC | 1, 2, 9 |
| RAV-1 | 2,000 | 1.5 | CENTRIFUGAL | 1-1/2 | 460/3/60 | RTU-5 | RM 2254 | SWN-D VF | 1 |

NOTES

- MODEL BASED ON COOK.
- COLOR = STORM GRAY.
- PROVIDE WITH MIXING BOX AND BYPASS PLENUM. EFFECTIVE PLUME HEIGHT = 23 FEET.
- SERVES ROOM 1133, 1141, 1143, 223, 2125, 2160, 2162.
- SERVES ROOM 1014, 1016, 1101, 1102.
- SERVES 2281, 2283, 2285.
- SERVES ROOM 1402, 1403, 1409, 1411.
- MODEL BASED ON GREENHECK.
- PROVIDE WITH 2-SPEED CONTROL.

DIFFUSERS, REGISTERS AND GRILLES SCHEDULE

| MARK | MODEL | SIZE | NECK | DAMPER | MATERIAL | REMARKS |
|------|---------|---------|---------|--------|----------|---------|
| S-1 | TMS | 24 / 24 | 6"φ | ØBD | ST | 1 |
| S-2 | TMS | 24 / 24 | 8"φ | ØBD | ST | 1 |
| S-3 | TMS | 24 / 24 | 10"φ | ØBD | ST | 1 |
| S-4 | TMS | 24 / 24 | 12"φ | ØBD | ST | 1 |
| S-5 | 300RL | 6 / 6 | — | ØBD | ST | 1 |
| S-6 | 300RL | 10 / 6 | — | ØBD | ST | 1 |
| S-7 | PAS | 24 / 12 | 6"φ | ØBD | ST | 1 |
| S-8 | CT-581 | 4" | — | ØBD | ST | 1, 2, 3 |
| S-9 | CT-PP-3 | 4" | — | ØBD | ST | 1, 3, 4 |
| S-10 | TBDI-80 | 5 X 48 | 8"φ | ØBD | ST | 1, 5 |
| S-11 | TBDI-80 | 4 X 48 | 8"φ | ØBD | ST | 1, 6 |
| S-12 | TBDI-80 | 4 X 48 | 8"φ | ØBD | ST | 1, 6 |
| S-13 | TBDI-80 | 4 X 24 | 6"φ | ØBD | ST | 1, 6 |
| R-1 | PAR | 24 / 24 | 6"φ | — | ST | 1 |
| R-2 | PAR | 24 / 24 | 8"φ | — | ST | 1 |
| R-3 | PAR | 24 / 24 | 10"φ | — | ST | 1 |
| R-4 | PAR | 24 / 24 | 12"φ | — | ST | 1 |
| R-5 | PAR | 24 / 24 | 14"φ | — | ST | 1 |
| R-6 | PAR | 24 / 24 | 18 / 18 | — | ST | 1 |
| R-7 | PAR | 24 / 24 | 22 / 22 | — | ST | 1 |
| R-8 | PAR | 24 / 24 | 15 / 15 | — | ST | 1 |
| R-9 | 350RL | 6 / 6 | — | — | ST | |
| R-10 | 350RL | 12 / 10 | — | — | ST | 1 |
| E-1 | PAR | 24 / 24 | 6 / 6 | — | ST | 1 |
| E-2 | PAR | 24 / 24 | 8 / 8 | — | ST | 1 |
| E-3 | PAR | 24 / 12 | 6 / 6 | — | ST | 1 |



KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|---------------------------|---------|---------------------|
| 1203 | ACTIVE FILES | 1400 | VESTIBULE |
| 1204 | REIMBURSEMENT OFFICE | 1401 | WAITING ROOM |
| 1206 | PROGRAM MANAGER | 1402 | MENS RESTROOM |
| 1207 | ARCHIVE FILES | 1403 | WOMENS RESTROOM |
| 1208 | PROGRAM COORDINATOR | 1404 | EXAM ROOM |
| 1209 | WORKROOM | 1405 | CORRIDOR |
| 1210 | DIRECTOR OFFICE | 1406 | EXAM ROOM |
| 1211 | CORRIDOR | 1407 | COPY/WORK ROOM |
| 1212 | LAB COORDINATOR OFFICE | 1408 | XRAY EXAM ROOM |
| 1213 | CORRIDOR | 1409 | MENS RESTROOM |
| 1214 | LAB ANALYST OPEN OFFICE | 1410 | XRAY ROOM |
| 1215 | MENS RESTROOM | 1411 | WOMENS RESTROOM |
| 1216 | MICROBIOLOGY LAB | 1412 | WAITING ROOM |
| 1217 | WOMENS RESTROOM | 1413 | MEDICAL WASTE ROOM |
| 1218 | NON-POTABLE LAB | 1414 | STORAGE |
| 1219 | LAB STORAGE/UTILITY | 1415 | CORRIDOR |
| 1220 | CHEMISTRY LAB | 1416 | OFFICE |
| 1221 | CLOSET | 1417 | NOT USED |
| 1222 | CORRIDOR | 1418 | FILES ROOM |
| 1223 | ENVIRONMENTAL SAMPLE | 1419 | RECEPTION WORKSPACE |
| | | 1420 | OFFICE |
| | | 1421 | NOT USED |
| | | 1422 | CONFERENCE ROOM |
| 1300 | CORRIDOR | | |
| 1301 | EPR STORAGE | | |
| 1302 | MUD ROOM | | |
| 1303 | DOCK | | |
| 1304 | RECEIVING | | |
| 1305 | ACCOUNTS PAYABLE | | |
| 1306 | CORRIDOR | | |
| 1307 | FACILITIES | | |
| 1308 | FACILITIES MANAGER OFFICE | | |
| 1309 | ELECTRICAL | | |
| 1310 | STAIR | | |

GENERAL NOTES

- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- ALL SANITARY, WASTE AND STORM PIPES UP TO AND INCLUDING 3 INCHES SHALL SLOPE AT 1/4 INCH PER FOOT, 4 INCHES AND LARGER SHALL SLOPE AT 1/8 INCH PER FOOT, UNLESS OTHERWISE NOTED.
- ALL PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM.
- OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
- EXISTING PIPING INDICATED ON THESE PLANS SHALL BE FIELD VERIFIED FOR EXACT LOCATIONS, QUANTITY AND PIPE SIZES.
- DO NOT CUT THROUGH THE MASONRY BOND BEAMS OR OTHER STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL PIPING OR OTHER WORK. COORDINATE WITH THE STRUCTURAL DRAWINGS AND MASON CONTRACTOR FOR ALL PIPING OR OTHER WORK. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETRO-FIT/REINFORCING DEEMED NECESSARY TO REINSTATE THE CONTINUITY OF THE DISRUPTED ELEMENTS.
- COORDINATE ROUGH-INS FOR AND INSTALLATION OF PLUMBING FIXTURES WITH ACCESSIBILITY AND MOUNTING INFORMATION CONTAINED ON ARCHITECTURAL DRAWINGS.
- COORDINATE LOCATIONS OF ROUGH-INS FOR SINKS WITH CASEWORK ELEVATIONS CONTAINED ON ARCHITECTURAL DRAWINGS.
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- ALL REDUCED PRESSURE BACKFLOW PREVENTER (RPZBP) ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CCDDI) BEFORE INITIAL OPERATION, AND AT LEAST ANNUALLY THEREAFTER.
- ALL APPLIANCES AND EQUIPMENT WITH A POTABLE WATER SUPPLY LINE SHALL HAVE AN APPROVED DUAL CHECK VALVE DEVICE INSTALLED IN-LINE.

KEY PLAN

| | | | | | | | | | | | |
|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|--------------------------------------|
| ISSUED | 1. 10/01/18 B.P. #1 - ADDENDUM #1 | 2. 10/01/18 B.P. #2 - ADDENDUM #2 | 3. 10/01/18 B.P. #3 - ADDENDUM #3 | 4. 10/01/18 B.P. #4 - ADDENDUM #4 | 5. 10/01/18 B.P. #5 - ADDENDUM #5 | 6. 10/01/18 B.P. #6 - ADDENDUM #6 | 7. 10/01/18 B.P. #7 - ADDENDUM #7 | 8. 10/01/18 B.P. #8 - ADDENDUM #8 | 9. 10/01/18 B.P. #9 - ADDENDUM #9 | 10. 10/01/18 B.P. #10 - ADDENDUM #10 | 11. 10/01/18 B.P. #11 - ADDENDUM #11 |
| JOB NO. | 17-401-1124 | | | | | | | | | | |
| DRAWN | DDW | | | | | | | | | | |
| CHECKED | DDW | | | | | | | | | | |
| APPROVED | DDW | | | | | | | | | | |
| SHEET TITLE | | | | | | | | | | | |
| PARTIAL UNDERGROUND PLUMBING PLAN - AREA 'B' | | | | | | | | | | | |
| SHEET NUMBER | | | | | | | | | | | |
| P302 | | | | | | | | | | | |

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WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL
501 TALLA AVENUE
JOLIET, IL 60433

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 22.200 PROVIDE WATER SERVICE FOR BUILDING. PURCHASE WATER METER FROM CITY WATER DEPARTMENT.
22.201 PROVIDE CONNECTION TO GAS METER AND REGULATOR. COORDINATE EXACT LOCATION WITH NICOR. MEDIUM PRESSURE GAS SHALL BE 2 LBS PRESSURE.
22.202 PROVIDE WATER SOFTENER SYSTEM. PROVIDE SHUT OFF VALVES ON INLET, OUTLET AND BYPASS.
22.203 PROVIDE INTAKE AND EXHAUST PIPES THROUGH WALL FOR SEALED COMBUSTION WATER HEATER. SIZE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
22.204 PROVIDE 4 INCH DIAMETER FUNNEL FOR FLOOR DRAIN. PIPE WATER SOFTENER BACKWASH TO DRAIN FUNNEL.
22.205 PROVIDE PVC CONDUIT FOR ELEVATOR SLUMP PUMP CONTROLS TO ELEVATOR EQUIPMENT ROOM. COORDINATE LOCATION OF CONTROL PANEL FOR CLEARANCE AROUND ELEVATOR EQUIPMENT. VERIFY EXACT LENGTH OF CABLING REQUIRED BETWEEN PUMP AND CONTROLLER.
22.206 PROVIDE ROOF/OVERFLOW DRAIN DISCHARGE 18 INCHES ABOVE GRADE.

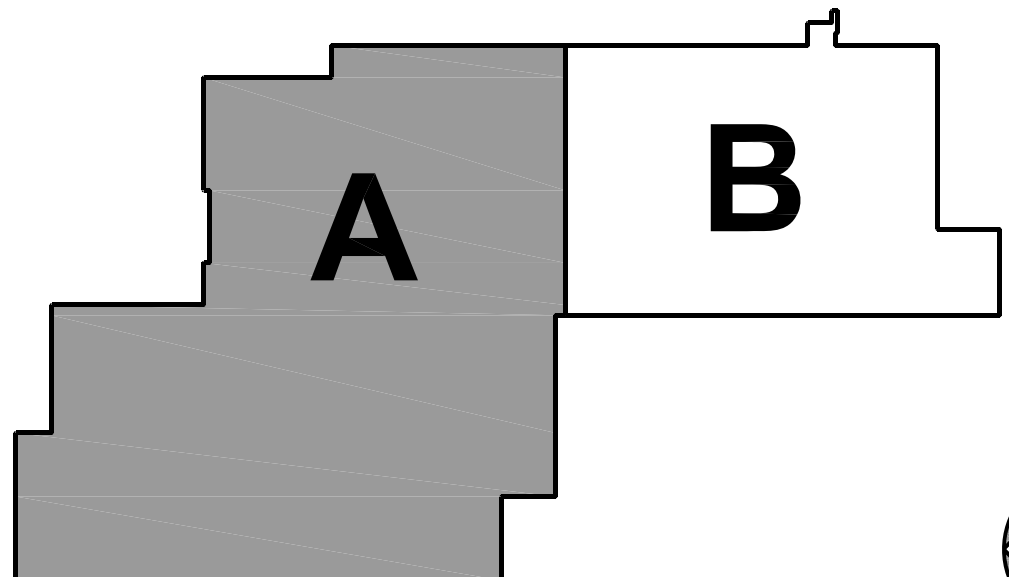
ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|-------------------------|---------|----------------------|
| 1000 | VESTIBULE | 1137 | CORRIDOR |
| 1001 | RECEPTION | 1138 | CLOSET |
| 1002 | SECURITY | 1139 | CORRIDOR |
| 1003 | LOBBY | 1140 | CONSULT |
| 1004 | ELEVATOR | 1141 | MENS RESTROOM |
| 1005A | MULTIPURPOSE ROOM | 1142 | IDF |
| 1005B | MULTIPURPOSE ROOM | 1143 | WOMENS RESTROOM |
| 1006 | EOC STORAGE | 1144 | BREAK ROOM |
| 1007 | ELEVATOR EQUIPMENT | 1145 | NOT USED |
| 1008 | IDF | 1146 | CORRIDOR |
| 1009 | WAITING | 1147 | ACTIVE FILES ROOM |
| 1010 | VITAL RECORDS RECEPTION | 1148 | WORK ROOM |
| 1011 | VITAL RECORDS OFFICE | 1149 | CHECK OUT COUNTER |
| 1012 | CUSTODIAL | 1150 | CORRIDOR |
| 1013 | CORRIDOR | 1151 | IMMUNIZATION INTAKE |
| 1014 | WOMENS RESTROOM | 1152 | SUPPLY |
| 1015 | ELECTRICAL | 1153 | NOT USED |
| 1016 | MENS RESTROOM | 1154 | OFFICE |
| 1017 | BIO WASTE STORAGE | 1155 | INJECTION ROOM |
| 1018 | VESTIBULE | 1156 | CONSULT |
| 1100 | ENTRY AREA | 1157 | INJECTION ROOM |
| 1101 | WOMENS RESTROOM | 1158 | CORRIDOR |
| 1102 | MENS RESTROOM | 1159 | INJECTION ROOM |
| 1103 | WAITING ROOM | 1160 | VACCINE PREP ROOM |
| 1103A | KID ZONE-WAITING | 1161 | NOT USED |
| 1104 | INTAKE AREA | 1162 | OPEN OFFICE |
| 1105 | CORRIDOR | 1163 | NOT USED |
| 1106 | ANTHRO ROOM | 1164 | COORDINATOR OFFICE |
| 1108 | CHP-1 | 1166 | TELEDATA |
| 1109 | NOT USED | 1167 | MENS RESTROOM |
| 1110 | CHP-2 | 1168 | CONSULT |
| 1111 | WAITING ROOM | 1169 | WOMENS RESTROOM |
| 1112 | CHP-3 | 1170 | MANAGER OFFICE |
| 1113 | CHP-6 | 1171 | CORRIDOR |
| 1114 | CHP-4 | 1172 | LAB/ANTHRO |
| 1115 | CHP-7 | 1173 | COPY/FILES STORAGE |
| 1116 | CHP-5 | 1173A | CLOSET |
| 1117 | CHP-8 | 1174 | WORKSTATIONS |
| 1118 | ANTHRO ROOM | 1175 | WAITING |
| 1119 | CORRIDOR | 1176A | CLASSROOM |
| 1120 | CHP-9 | 1176B | CLASSROOM |
| 1121 | STAIR | 1177 | CORRIDOR |
| 1122 | UTILITY | 1178 | VISION/HEARING |
| 1123 | CORRIDOR | 1179 | MANAGER OFFICE |
| 1124 | CONSULT | 1180 | STORAGE |
| 1125 | NOT USED | 1200 | WAITING |
| 1126 | EXAM ROOM | 1201 | CONFERENCE ROOM |
| 1127 | CHP-10 | 1202 | OPEN OFFICE |
| 1128 | HRDM | 1203 | ACTIVE FILES |
| 1129 | CHP-11 | 1204 | REIMBURSEMENT OFFICE |
| 1130 | OFFICE | 1206 | PROGRAM MANAGER |
| 1131 | CHP-12 | 1207 | ARCHIVE FILES |
| 1132 | PROGRAM MANAGER OFFICE | | |
| 1133 | UNISEX BATHROOM | | |
| 1134 | BREAST FEEDING OFFICE | | |
| 1135 | BREAST FEEDING | | |
| 1136 | COORDINATOR OFFICE | | |

GENERAL NOTES

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2. ALL SANITARY, WASTE AND STORM PIPES UP TO AND INCLUDING 3 INCHES SHALL SLOPE AT 1/4 INCH PER FOOT, 4 INCHES AND LARGER SHALL SLOPE AT 1/8 INCH PER FOOT, UNLESS OTHERWISE NOTED.
3. ALL PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM.
4. OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
5. EXISTING PIPING INDICATED ON THESE PLANS SHALL BE FIELD VERIFIED FOR EXACT LOCATIONS, QUANTITY AND PIPE SIZES.
6. DO NOT CUT THROUGH THE MASONRY BOND BEAMS OR OTHER STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL PIPING OR OTHER WORK. COORDINATE WITH THE STRUCTURAL DRAWINGS AND MASON CONTRACTOR FOR ALL BOND BEAM AND STRUCTURAL ELEMENT LOCATIONS. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETRO-FIT/REINFORCING DEEMED NECESSARY TO REINSTATE THE CONTINUITY OF THE DISRUPTED ELEMENTS.
7. COORDINATE ROUGH-INS FOR AND INSTALLATION OF PLUMBING FIXTURES WITH ACCESSIBILITY AND MOUNTING INFORMATION CONTAINED ON ARCHITECTURAL DRAWINGS.
8. COORDINATE LOCATIONS OF ROUGH-INS FOR SINKS WITH CASEWORK ELEVATIONS CONTAINED ON ARCHITECTURAL DRAWINGS.
9. DRAINAGE AND VENT SYSTEM SHALL BE PRESSURE TESTED WITH WATER OR AIR.
10. ALL REDUCED PRESSURE BACKFLOW PREVENTER (RPBP) ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CDDI) BEFORE INITIAL OPERATION, AND AT LEAST ANNUALLY THEREAFTER.
11. ALL APPLIANCES AND EQUIPMENT WITH A POTABLE WATER SUPPLY LINE SHALL HAVE AN APPROVED DUAL CHECK VALVE DEVICE INSTALLED IN-LINE.

KEY PLAN



PARTIAL FIRST FLOOR PLUMBING PLAN - AREA 'A'

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

WILL COUNTY HEALTH DEPARTMENT

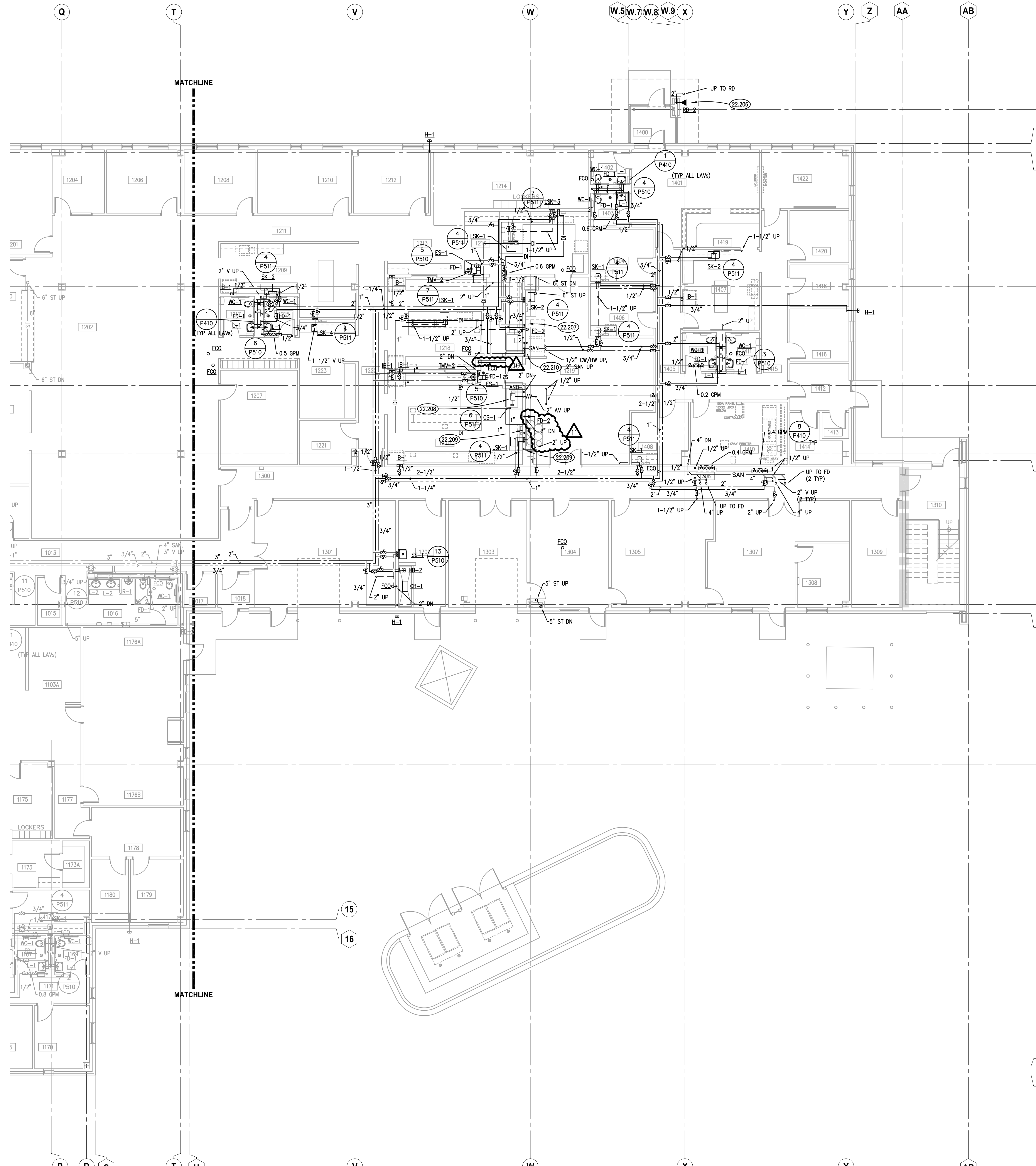
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| ISSUED | REVISION |
|--------------------------------------|--------------------------------------|
| 1. 10/01/18 B.P. #1 - ADDENDUM #1 | 1. 10/01/18 B.P. #1 - ADDENDUM #1 |
| 2. 10/01/18 B.P. #2 - ADDENDUM #2 | 2. 10/01/18 B.P. #2 - ADDENDUM #2 |
| 3. 10/01/18 B.P. #3 - ADDENDUM #3 | 3. 10/01/18 B.P. #3 - ADDENDUM #3 |
| 4. 10/01/18 B.P. #4 - ADDENDUM #4 | 4. 10/01/18 B.P. #4 - ADDENDUM #4 |
| 5. 10/01/18 B.P. #5 - ADDENDUM #5 | 5. 10/01/18 B.P. #5 - ADDENDUM #5 |
| 6. 10/01/18 B.P. #6 - ADDENDUM #6 | 6. 10/01/18 B.P. #6 - ADDENDUM #6 |
| 7. 10/01/18 B.P. #7 - ADDENDUM #7 | 7. 10/01/18 B.P. #7 - ADDENDUM #7 |
| 8. 10/01/18 B.P. #8 - ADDENDUM #8 | 8. 10/01/18 B.P. #8 - ADDENDUM #8 |
| 9. 10/01/18 B.P. #9 - ADDENDUM #9 | 9. 10/01/18 B.P. #9 - ADDENDUM #9 |
| 10. 10/01/18 B.P. #10 - ADDENDUM #10 | 10. 10/01/18 B.P. #10 - ADDENDUM #10 |
| 11. 10/01/18 B.P. #11 - ADDENDUM #11 | 11. 10/01/18 B.P. #11 - ADDENDUM #11 |

| | |
|--------------|--|
| JOB NO. | 17-401-1124 |
| DRAWN | DDW |
| CHECKED | DDW |
| APPROVED | DDW |
| SHEET TITLE | PARTIAL FIRST FLOOR PLUMBING PLAN - AREA 'A' |
| SHEET NUMBER | P311 |



KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

22.206 PROVIDE ROOF/OVERFLOW DRAIN DISCHARGE 18 INCHES ABOVE GRADE.
22.207 PROVIDE COLD AND HOT WATER FOR STERILIZER. PROVIDE VALVED TERMINATION AT WALL. FIELD VERIFY EXACT LOCATION. PROVIDE BACK FLOW PREVENTERS AS REQUIRED.
22.208 PROVIDE POINT OF USE NEUTRALIZING BASIN IN FUME HOOD CABINET.
22.209 PROVIDE 1" VALVED COLD WATER SUPPLY FOR DEIONIZATION EQUIPMENT. PROVIDE DEIONIZED WATER LOOP PIPING FOR DEIONIZATION EQUIPMENT. FIELD VERIFY EXACT LOCATION FOR PIPING.
22.210 PROVIDE VALVED COLD WATER, HOT WATER AND DEIONIZED WATER SUPPLY FOR GLASSWARE WASHER. PROVIDE 2" STANDPIPE, TRAP AND VENT FOR GLASSWARE WASHER. FIELD VERIFY EXACT LOCATION FOR PIPING.

| ROOM SCHEDULE | | | |
|---------------|-------------------------|---------|---------------------|
| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
| 1203 | ACTIVE FILES | 1400 | VESTIBULE |
| 1204 | REIMBURSEMENT OFFICE | 1401 | WAITING ROOM |
| 1206 | PROGRAM MANAGER | 1402 | MENS RESTROOM |
| 1207 | ARCHIVE FILES | 1403 | WOMENS RESTROOM |
| 1208 | PROGRAM COORDINATOR | 1404 | EXAM ROOM |
| 1209 | WORKROOM | 1405 | CORRIDOR |
| 1210 | DIRECTOR OFFICE | 1406 | EXAM ROOM |
| 1211 | CORRIDOR | 1407 | COPY/WORK ROOM |
| 1212 | LAB COORDINATOR OFFICE | 1408 | XRAY EXAM ROOM |
| 1213 | CORRIDOR | 1409 | MENS RESTROOM |
| 1214 | LAB ANALYST OPEN OFFICE | 1410 | XRAY ROOM |
| 1215 | MENS RESTROOM | 1411 | WOMENS RESTROOM |
| 1216 | MICROBIOLOGY LAB | 1412 | WAITING ROOM |
| 1217 | WOMENS RESTROOM | 1413 | MEDICAL WASTE ROOM |
| 1218 | NON-POTABLE LAB | 1414 | STORAGE |
| 1219 | LAB STORAGE/UTILITY | 1415 | CORRIDOR |
| 1220 | CHEMISTRY LAB | 1416 | OFFICE |
| 1221 | CLOSET | 1417 | NOT USED |
| 1222 | CORRIDOR | 1418 | FILES ROOM |
| 1223 | ENVIRONMENTAL SAMPLE | 1419 | RECEPTION WORKSPACE |
| | | 1420 | OFFICE |
| | | 1421 | NOT USED |
| | | 1422 | CONFERENCE ROOM |

- GENERAL NOTES**
- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
 - ALL SANITARY, WASTE AND STORM PIPES UP TO AND INCLUDING 3 INCHES SHALL SLOPE AT 1/4 INCH PER FOOT, 4 INCHES AND LARGER SHALL SLOPE AT 1/8 INCH PER FOOT, UNLESS OTHERWISE NOTED.
 - ALL PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM.
 - OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
 - EXISTING PIPING INDICATED ON THESE PLANS SHALL BE FIELD VERIFIED FOR EXACT LOCATIONS, QUANTITY AND PIPE SIZES.
 - DO NOT CUT THROUGH THE MASONRY BOND BEAMS OR OTHER STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL PIPING OR OTHER WORK. COORDINATE WITH THE STRUCTURAL DRAWINGS AND MASON CONTRACTOR FOR ALL BOND BEAM AND STRUCTURAL ELEMENT LOCATIONS. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETRO-FIT/REINFORCING DEEMED NECESSARY TO REINSTATE THE CONTINUITY OF THE DISRUPTED ELEMENTS.
 - COORDINATE ROUGH-INS FOR AND INSTALLATION OF PLUMBING FIXTURES WITH ACCESSIBILITY AND MOUNTING INFORMATION CONTAINED ON ARCHITECTURAL DRAWINGS.
 - COORDINATE LOCATIONS OF ROUGH-INS FOR SINKS WITH CASEWORK ELEVATIONS CONTAINED ON ARCHITECTURAL DRAWINGS.
 - DRAINAGE AND VENT SYSTEM SHALL BE PRESSURE TESTED WITH WATER OR AIR.
 - ALL REDUCED PRESSURE BACKFLOW PREVENTER (RPZBP) ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CCDDI) BEFORE INITIAL OPERATION, AND AT LEAST ANNUALLY THEREAFTER.
 - ALL APPLIANCES AND EQUIPMENT WITH A POTABLE WATER SUPPLY LINE SHALL HAVE AN APPROVED DUAL CHECK VALVE DEVICE INSTALLED IN-LINE.

KEY PLAN

PLAN NORTH

TRUE NORTH

Kluber
Architects + Engineers

Kluber, Inc.
Bolingbrook, Illinois 60510
Tel. 630.406.1213
Gurnee, Illinois 60031
Tel. 847.338.3428
www.kluberonc.com

WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL
501 TALLA AVENUE
JOLIET, IL 60433

| ISSUED | | JOB NO. | |
|--------|----------------------------------|-------------|--|
| 1 | 10/01/18 B.P. #1 - ADDENDUM #1 | 17-401-1124 | |
| 2 | 10/01/18 B.P. #2 - ADDENDUM #2 | | |
| 3 | 10/01/18 B.P. #3 - ADDENDUM #3 | | |
| 4 | 10/01/18 B.P. #4 - ADDENDUM #4 | | |
| 5 | 10/01/18 B.P. #5 - ADDENDUM #5 | | |
| 6 | 10/01/18 B.P. #6 - ADDENDUM #6 | | |
| 7 | 10/01/18 B.P. #7 - ADDENDUM #7 | | |
| 8 | 10/01/18 B.P. #8 - ADDENDUM #8 | | |
| 9 | 10/01/18 B.P. #9 - ADDENDUM #9 | | |
| 10 | 10/01/18 B.P. #10 - ADDENDUM #10 | | |
| 11 | 10/01/18 B.P. #11 - ADDENDUM #11 | | |

| | |
|--|-----|
| DRAWN | DDW |
| CHECKED | DDW |
| APPROVED | DDW |
| SHEET TITLE | |
| PARTIAL FIRST FLOOR PLUMBING PLAN - AREA 'B' | |
| SHEET NUMBER | |

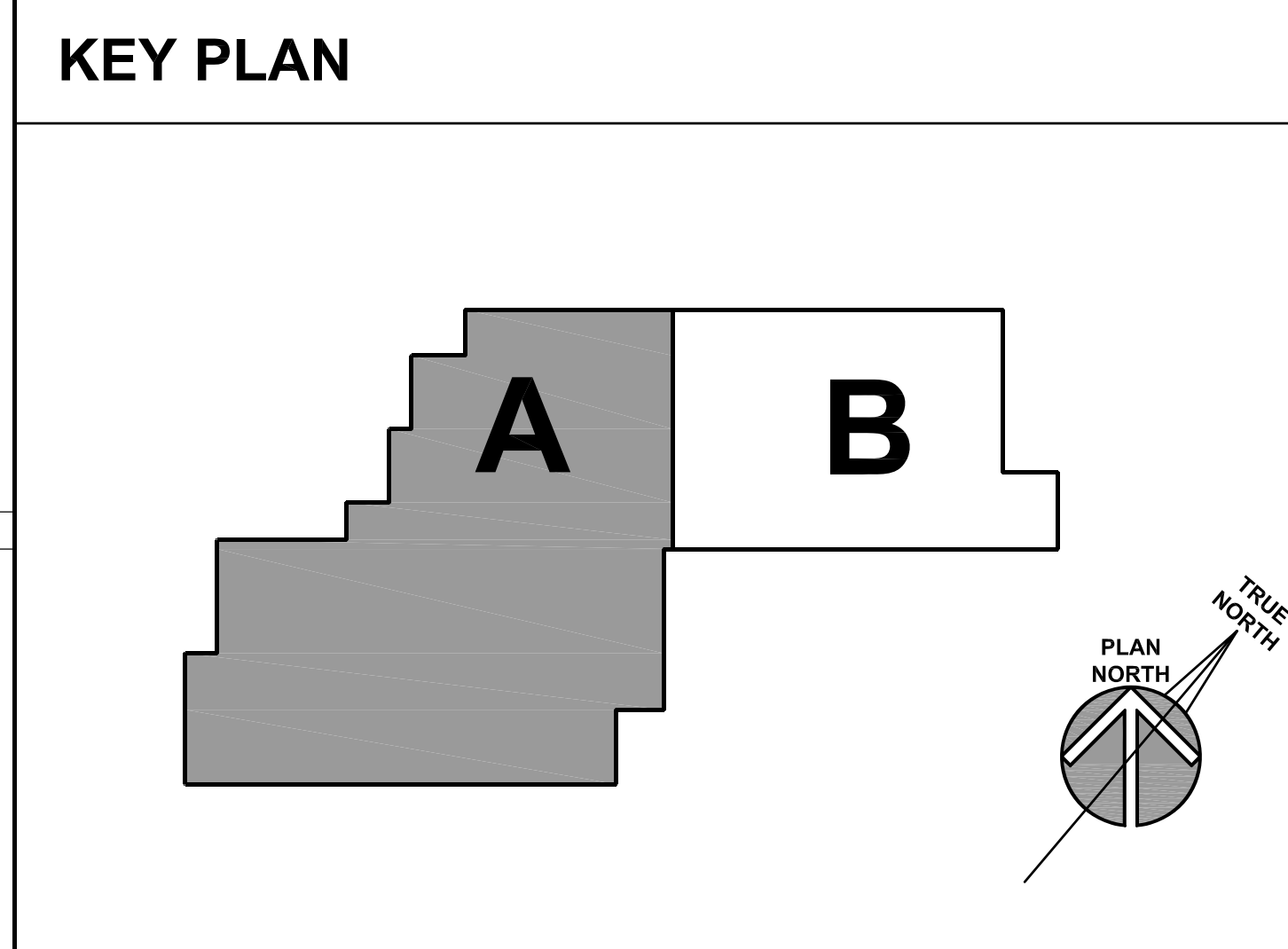
P312

PARTIAL FIRST FLOOR PLUMBING PLAN - AREA 'B'
SCALE: 1/8" = 1'-0"



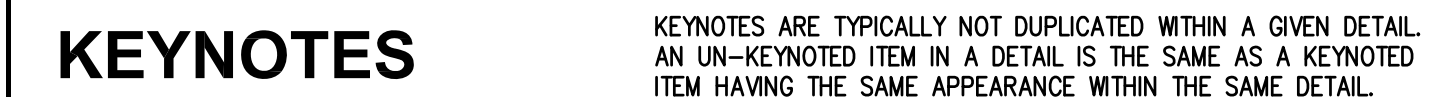
GENERAL NOTES

1. REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
2. ALL SANITARY, WASTE AND STORM PIPES UP TO AND INCLUDING 3 INCHES SHALL SLOPE AT 1/4" INCH PER FOOT, 4 INCHES AND LARGER SHALL SLOPE AT 1/8" INCH PER FOOT, UNLESS OTHERWISE NOTED.
3. ALL PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM.
4. OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
5. EXISTING PIPING INDICATED ON THESE PLANS SHALL BE FIELD VERIFIED FOR EXACT LOCATIONS, QUANTITY AND PIPE SIZES.
6. DO NOT CUT THROUGH THE MASONRY BOND BEAMS OR OTHER STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL PIPING OR OTHER WORK. COORDINATE WITH THE STRUCTURAL DRAWINGS AND MASON CONTRACTOR FOR ALL BOND BEAM AND STRUCTURAL ELEMENT LOCATIONS. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETRO-FIT/REINFORCING DEEMED NECESSARY TO RENATE THE CONTINUITY OF THE DISRUPTED ELEMENTS.
7. COORDINATE ROUGH-INS FOR AND INSTALLATION OF PLUMBING FIXTURES WITH ACCESSIBILITY AND MOUNTING INFORMATION CONTAINED ON ARCHITECTURAL DRAWINGS.
8. COORDINATE LOCATIONS OF ROUGH-INS FOR SINKS WITH CASEWORK ELEVATIONS CONTAINED ON ARCHITECTURAL DRAWINGS.
9. DRAINAGE AND VENT SYSTEM SHALL BE PRESSURE TESTED WITH WATER OR AIR.
10. ALL REDUCED PRESSURE BACKFLOW PREVENTER (RPBP) ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CCCDI) BEFORE INITIAL OPERATION, AND AT LEAST ANNUALLY THEREAFTER.
11. ALL APPLIANCES AND EQUIPMENT WITH A POTABLE WATER SUPPLY LINE SHALL HAVE AN APPROVED DUAL CHECK VALVE DEVICE INSTALLED IN-LINE.



PARTIAL SECOND FLOOR PLUMBING PLAN - AREA 'A' 1
SCALE: 1/8" = 1'-0"

[illegible]



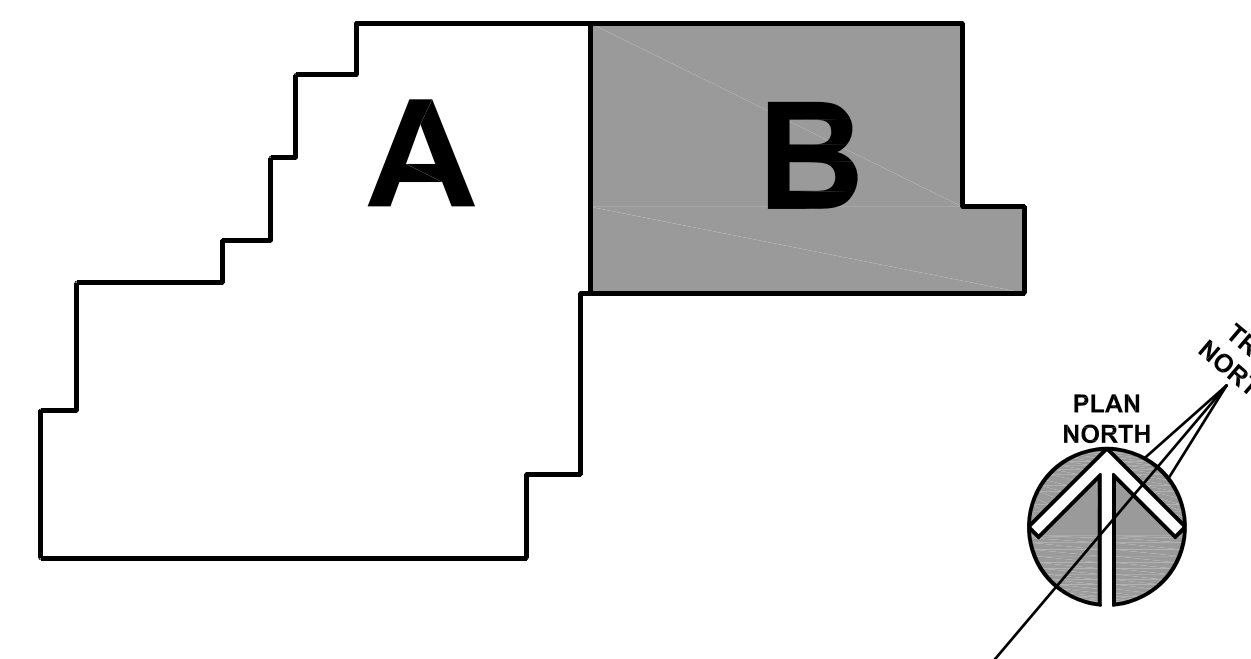
ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|---------------------------|---------|------------------------------|
| 2200 | CHILD/ADOLESCENT WAITING | 2263 | CORRIDOR |
| 2201 | CORRIDOR | 2264 | CONSULT |
| 2203 | GROUP ROOM | 2265 | CONSULT |
| 2204 | CORRIDOR | 2266 | CONSULT |
| 2205 | CRISIS ROOM | 2267 | CONSULT |
| 2206 | CONSULT | 2268 | CONSULT |
| 2207 | CONSULT | 2269 | CONFERENCE ROOM |
| 2208 | CONSULT | 2270 | CORRIDOR |
| 2209 | CONSULT | 2271 | NOT USED |
| 2210 | CONSULT | 2272 | PROGRAMMING ROOM |
| 2211 | CONSULT | 2273 | CONSULT |
| 2212 | CONSULT | 2274 | CONSULT |
| 2213 | CORRIDOR | 2275 | CONSULT |
| 2214 | CORRIDOR | 2276 | CONSULT |
| 2215 | CONSULT | 2277 | CONSULT |
| 2216 | CONSULT | 2278 | WORK ROOM |
| 2217 | CONSULT | 2279 | STORAGE |
| 2218 | CONSULT | 2280 | CORRIDOR |
| 2219 | CORRIDOR | 2281 | WOMEN'S RESTROOM |
| 2220 | CORRIDOR | 2282 | PROGRAMMING ROOM |
| 2221 | CONSULT | 2283 | MEN'S ROOM |
| 2222 | CONSULT | 2284 | NOT USED |
| 2223 | CONSULT | 2285 | UNISEX RESTROOM |
| 2224 | CONSULT | 2286 | CORRIDOR |
| 2225 | CONSULT | 2287 | CORRIDOR |
| 2226 | CONSULT | 2288 | ELECTRICAL |
| 2227 | CONSULT | 2289 | CORRIDOR |
| 2228 | CONSULT | 2290 | CONFERENCE ROOM |
| 2229 | CORRIDOR | 2291 | OFFICE |
| 2230 | CONSULT | 2292 | OFFICE |
| | | 2293 | BEHAVIOR, HEALTH DIR. OFFICE |
| | | 2294 | STAR |
| 2250 | ADULT WAITING | | |
| 2251 | MEDICAL RECORDS | | |
| 2252 | BILLING SUPERVISOR OFFICE | | |
| 2253 | RECEPTION AREA | | |
| 2254 | CORRIDOR | | |
| 2255 | GROUP ROOM | | |
| 2256 | CORRIDOR | | |
| 2257 | CRISIS ROOM | | |
| 2258 | NOT USED | | |
| 2259 | CONSULT | | |
| 2260 | CONSULT | | |
| 2261 | STORAGE | | |
| 2262 | GROUP ROOM | | |

GENERAL NOTES

1. REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
2. ALL SANITARY, WASTE AND STORM PIPES UP TO AND INCLUDING 3 INCHES SHALL SLOPE AT 1/4 INCH PER FOOT, 4 INCHES AND LARGER SHALL SLOPE AT 1/8 INCH PER FOOT, UNLESS OTHERWISE NOTED.
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KEY PLAN



| ISSUED | |
|--------|--|
| 1 | 10/01/18 B.P. #1 - ADDENDUM #1 |
| 3 | 10/10/18 B.P. #1 - ADDENDUM #3 |
| 5 | 11/12/18 B.P. #1 - PLAN REVIEW COMMENTS |
| 6 | 10/31/18 B.P. #2 - ADDENDUM #1 |
| 7 | 11/02/18 B.P. #2 - ADDENDUM #2 |
| 8 | 11/08/18 B.P. #2 - ADDENDUM #3 |
| 9 | 11/13/18 B.P. #2 - ADDENDUM #5 |
| 11 | 11/20/18 B.P. #3 - MEP/FIN/CARP/G/LAZING |

| | |
|----------|-----------|
| JOB NO. | 17-401-11 |
| DRAWN | DD |
| CHECKED | DD |
| APPROVED | DD |

| |
|--------------------|
| SHEET TITLE |
|--------------------|

PARTIAL SECOND
FLOOR PLUMBING
PLAN - AREA 'B'

SHEET NUMBER

P322

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

26.302 GENERATOR EMERGENCY POWER OFF (EPO) SWITCH AND GENERATOR REMOTE ANNUNCIATOR PANEL.
26.306 PROVIDE ELECTRICAL CONNECTION TO ELEVATOR PIT PUMP. PROVIDE 3/4" E.G. FROM ELEVATOR PIT PUMP CONTROLLER TO PIT PUMP LOCATION. PROVIDE ALL NECESSARY WIRING TO ELEVATOR PIT PUMP ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

Kluber
Architects + Engineers

Kluber, Inc.
Baltimore, Illinois 60610
Tel. 630.426.2113
Gurnee, Illinois 60031
Tel. 847.336.4428
www.kluberinc.com

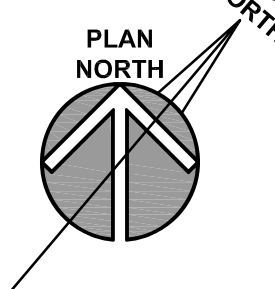
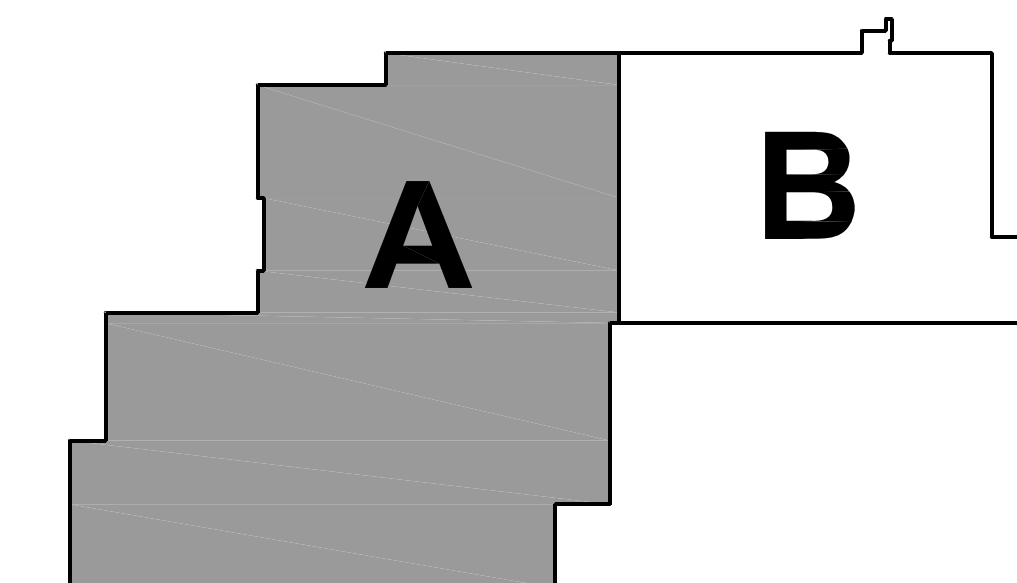
WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL
501 ELLA AVENUE
JOLIET, IL 60433

ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|-------------------------|---------|---------------------|
| 1000 | VESTIBULE | 1137 | CORRIDOR |
| 1001 | RECEPTION | 1138 | CLOSET |
| 1002 | SECURITY | 1139 | CORRIDOR |
| 1003 | LOBBY | 1140 | CONSULT |
| 1004 | ELEVATOR | 1141 | MENS RESTROOM |
| 1005A | MULTIPURPOSE ROOM | 1142 | IDF |
| 1005B | MULTIPURPOSE ROOM | 1143 | WOMENS RESTROOM |
| 1006 | EOC STORAGE | 1144 | BREAK ROOM |
| 1007 | ELEVATOR EQUIPMENT | 1145 | NOT USED |
| 1008 | IDF | 1146 | CORRIDOR |
| 1009 | WAITING | 1147 | ACTIVE FILES ROOM |
| 1010 | VITAL RECORDS RECEPTION | 1148 | WORK ROOM |
| 1011 | VITAL RECORDS OFFICE | 1149 | CHECK OUT COUNTER |
| 1012 | CUSTODIAL | 1150 | CORRIDOR |
| 1013 | CORRIDOR | 1151 | IMMUNIZATION INTAKE |
| 1014 | WOMENS RESTROOM | 1152 | SUPPLY |
| 1015 | ELECTRICAL | 1153 | CD |
| 1016 | MENS RESTROOM | 1154 | OFFICE |
| 1017 | BIO WASTE STORAGE | 1155 | INJECTION ROOM |
| 1018 | VESTIBULE | 1156 | CONSULT |
| 1100 | ENTRY AREA | 1157 | INJECTION ROOM |
| 1101 | WOMENS RESTROOM | 1158 | CORRIDOR |
| 1102 | MENS RESTROOM | 1159 | INJECTION ROOM |
| 1103 | WAITING ROOM | 1160 | VACCINE PREP ROOM |
| 1103A | KID ZONE-WAITING | 1161 | NOT USED |
| 1104 | INTAKE AREA | 1162 | OPEN OFFICE |
| 1105 | CORRIDOR | 1163 | NOT USED |
| 1106 | ANTHRO ROOM | 1164 | COORDINATOR OFFICE |
| 1108 | CHP-1 | 1166 | TELEDATA |
| 1109 | NOT USED | 1167 | MENS RESTROOM |
| 1110 | CHP-2 | 1168 | CONSULT |
| 1111 | WAITING ROOM | 1169 | WOMENS RESTROOM |
| 1112 | CHP-3 | 1170 | MANAGER OFFICE |
| 1113 | CHP-6 | 1171 | CORRIDOR |
| 1114 | CHP-4 | 1172 | LAB/ANTHRO |
| 1115 | CHP-7 | 1173 | COPY/FILES STORAGE |
| 1116 | CHP-5 | 1173A | CLOSET |
| 1117 | CHP-8 | 1174 | WORKSTATIONS |
| 1118 | ANTHRO ROOM | 1175 | WAITING |
| 1119 | CORRIDOR | 1176A | CLASSROOM |
| 1120 | CHP-9 | 1176B | CLASSROOM |
| 1121 | STAIR | 1177 | CORRIDOR |
| 1122 | UTILITY | 1178 | VISION/HEARING |
| 1123 | CORRIDOR | 1179 | MANAGER OFFICE |
| 1124 | CONSULT | 1180 | STORAGE |
| 1125 | NOT USED | | |
| 1126 | EXAM ROOM | | |
| 1127 | CHP-10 | 1200 | WAITING |
| 1128 | HRM | 1201 | CONFERENCE ROOM |
| 1129 | CHP-11 | 1202 | OPEN OFFICE |
| 1130 | OFFICE | | |
| 1131 | CHP-12 | | |
| 1132 | PROGRAM MANAGER OFFICE | | |
| 1133 | UNISEX BATHROOM | | |
| 1134 | BREAST FEEDING OFFICE | | |
| 1135 | BREAST FEEDING | | |
| 1136 | COORDINATOR OFFICE | | |

KEY PLAN



| ISSUED | REVISION |
|--------|---|
| 1 | 10/11/18 B.P. #1 - ADDENDUM #1 |
| 2 | 10/10/18 B.P. #1 - ADDENDUM #1 |
| 3 | 11/12/18 B.P. #1 - PLAN REVIEW COMMENTS |
| 4 | 10/27/18 B.P. #2 - ADDENDUM #2 |
| 5 | 10/27/18 B.P. #2 - ADDENDUM #2 |
| 6 | 11/08/18 B.P. #2 - ADDENDUM #3 |
| 7 | 11/13/18 B.P. #2 - ADDENDUM #5 |
| 8 | 11/13/18 B.P. #2 - ADDENDUM #5 |
| 9 | 12/03/18 B.P. #3 - ADDENDUM #2 |
| 10 | 12/03/18 B.P. #3 - ADDENDUM #2 |
| 11 | 12/05/18 B.P. #3 - ADDENDUM #2 |

JOB NO. 17-401-1124
DRAWN ATR
CHECKED XXX
APPROVED XXX

SHEET TITLE

PARTIAL FIRST
FLOOR ELECTRICAL
POWER PLAN -
AREA 'A'

SHEET NUMBER

E311

PARTIAL FIRST FLOOR ELECTRICAL POWER PLAN - AREA 'A'

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

1

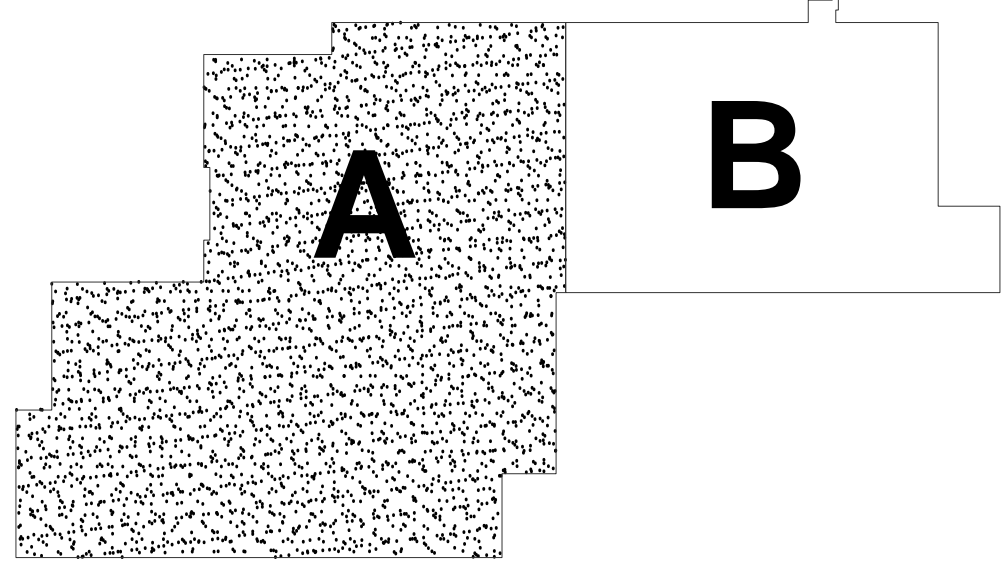
SYMBOLS AND ABBREVIATIONS

- CCTV CAMERA
- CARD READER
- DOOR CONTACT
- ELECTRIC STRIKE
- HDMI INPUT
- KEYPAD BURGLAR
- LED ALARM LIGHT
- DATA DROP
- DATA DROP, "X" INDICATES CABLE QTY
- DATA DROP, WALL LOCATION
- MOTION DETECTOR
- SOUND SPEAKER
- PANIC BUTTON
- REQUEST TO EXIT
- TV COAX OUTLET
- VOLUME CONTROL
- WIRELESS ACCESS POINT
- DATA DROP, TV LOCATION
- DATA DROP, CAMERA LOCATION
- DATA DROP, FLOOR

ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|-------------------------|---------|---------------------------|
| 1000 | VESTIBULE | 1162 | OPEN OFFICE |
| 1001 | RECEPTION | 1163 | NOT USED |
| 1002 | SECURITY LOBBY | 1164 | COORDINATOR OFFICE |
| 1003 | LOBBY | 1165 | NOT USED |
| 1004 | ELEVATOR | 1166 | TELEDATA |
| 1005A | MULTIPURPOSE ROOM | 1167 | MENS RESTROOM |
| 1005B | MULTIPURPOSE ROOM | 1168 | CONSULT |
| 1006 | EOC STORAGE | 1169 | WOMENS RESTROOM |
| 1007 | ELEVATOR EQUIPMENT | 1170 | MANAGER OFFICE |
| 1008 | IDF | 1171 | CORRIDOR |
| 1009 | WAITING | 1172 | LAB/ANTHRO |
| 1010 | VITAL RECORDS RECEPTION | 1173 | COPY/FILES STORAGE |
| 1011 | VITAL RECORDS OFFICE | 1173A | CLOSET |
| 1012 | CUSTODIAL | 1174 | WORKSTATIONS |
| 1013 | CORRIDOR | 1175 | WAITING |
| 1014 | WOMENS RESTROOM | 1176A | CLASSROOM |
| 1015 | ELECTRICAL | 1176B | CLASSROOM |
| 1016 | MENS RESTROOM | 1177 | CORRIDOR |
| 1017 | BIO WASTE STORAGE | 1178 | VISION/HEARING |
| 1018 | VESTIBULE | 1179 | MANAGER OFFICE |
| 1180 | STORAGE | | |
| 1100 | ENTRY AREA | 1200 | WAITING |
| 1101 | WOMENS RESTROOM | 1201 | CONFERENCE ROOM |
| 1102 | MENS RESTROOM | 1202 | OPEN OFFICE |
| 1103 | WAITING ROOM | 1203 | ACTIVE FILES |
| 1103A | KID ZONE-WAITING | 1204 | REIMBURSEMENT OFFICE |
| 1104 | INTAKE AREA | 1205 | LAB/ANTHRO |
| 1105 | CORRIDOR | 1206 | PROGRAM MANAGER |
| 1106 | ANTHRO ROOM | 1207 | ARCHIVE FILES |
| 1107 | NOT USED | 1208 | PROGRAM COORDINATOR |
| 1108 | CHP-1 | 1209 | WORKROOM |
| 1109 | NOT USED | 1210 | DIRECTOR OFFICE |
| 1110 | CHP-2 | 1211 | CORRIDOR |
| 1111 | WAITING ROOM | 1212 | LAB COORDINATOR OFFICE |
| 1112 | CHP-3 | 1213 | CORRIDOR |
| 1113 | CHP-6 | 1214 | LAB ANALYST OPEN OFFICE |
| 1114 | CHP-4 | 1215 | MENS RESTROOM |
| 1115 | CHP-7 | 1216 | MICROBIOLOGY LAB |
| 1116 | CHP-5 | 1217 | WOMENS RESTROOM |
| 1117 | CHP-8 | 1218 | NON-POTABLE LAB |
| 1118 | ANTHRO ROOM | 1219 | LAB STORAGE/UTILITY |
| 1119 | CORRIDOR | 1220 | CHEMISTRY LAB |
| 1120 | CHP-9 | 1221 | CLOSET |
| 1121 | STAIR | 1222 | CORRIDOR |
| 1122 | UTILITY | 1223 | ENVIRONMENTAL SAMPLE |
| 1123 | CORRIDOR | 1300 | CORRIDOR |
| 1124 | EXAM ROOM | 1301 | EPR STORAGE |
| 1125 | NOT USED | 1302 | MUD ROOM |
| 1126 | CONSULT | 1303 | DOCK |
| 1127 | CHP-10 | 1304 | RECEIVING |
| 1128 | HRM | 1305 | ACCOUNTS PAYABLE |
| 1129 | CHP-11 | 1306 | CORRIDOR |
| 1130 | OFFICE | 1307 | FACILITIES |
| 1131 | CHP-12 | 1308 | FACILITIES MANAGER OFFICE |
| 1132 | PROGRAM MANAGER OFFICE | 1309 | ELECTRICAL |
| 1133 | UNSEX BATHROOM | 1310 | STAIR |
| 1134 | BREAST FEEDING | 1400 | VESTIBULE |
| 1135 | COORDINATOR OFFICE | 1401 | WAITING ROOM |
| 1136 | CORRIDOR | 1402 | MENS RESTROOM |
| 1137 | CLOSET | 1403 | WOMENS RESTROOM |
| 1138 | CORRIDOR | 1404 | EXAM ROOM |
| 1139 | CONSULT | 1405 | CORRIDOR |
| 1140 | MENS RESTROOM | 1406 | EXAM ROOM |
| 1141 | IDF | 1407 | COPY/WORK ROOM |
| 1142 | WOMENS RESTROOM | 1408 | XRAY EXAM ROOM |
| 1143 | BREAK ROOM | 1409 | MENS RESTROOM |
| 1144 | XRAY EXAM ROOM | 1410 | XRAY ROOM |
| 1145 | CORRIDOR | 1411 | WOMENS RESTROOM |
| 1146 | ACTIVE FILES ROOM | 1412 | WAITING ROOM |
| 1147 | WORK ROOM | 1413 | MEDICAL WASTE ROOM |
| 1148 | CHECK OUT COUNTER | 1414 | STORAGE |
| 1149 | CORRIDOR | 1415 | CORRIDOR |
| 1150 | IMMUNIZATION INTAKE | 1416 | OFFICE |
| 1151 | SUPPLY | 1417 | NOT USED |
| 1152 | OFFICE | 1418 | FILES ROOM |
| 1153 | NOT USED | 1419 | RECEPTION WORKSPACE |
| 1154 | OFFICE | 1420 | OFFICE |
| 1155 | INJECTION ROOM | 1421 | NOT USED |
| 1156 | CONSULT | 1422 | CONFERENCE ROOM |
| 1157 | INJECTION ROOM | | |
| 1158 | CORRIDOR | | |
| 1159 | VACCINE PREP ROOM | | |
| 1160 | NOT USED | | |
| 1161 | NOT USED | | |

KEY PLAN



FIRST FLOOR STRUCTURED CABLING - AREA 'A'

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

1

STRUCTURED CABLING SYSTEM - BASIS OF DESIGN

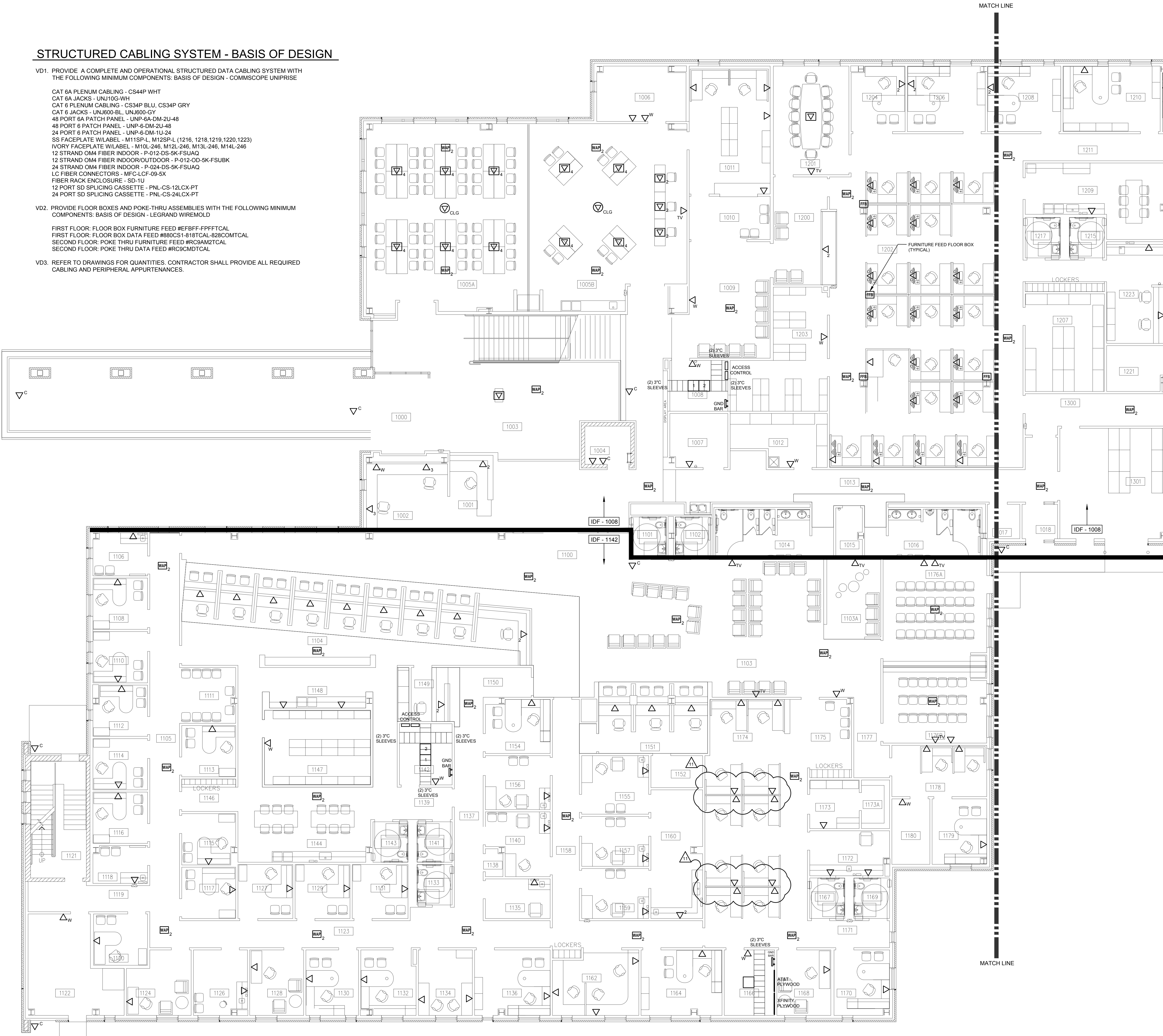
VD1. PROVIDE A COMPLETE AND OPERATIONAL STRUCTURED DATA CABLING SYSTEM WITH THE FOLLOWING MINIMUM COMPONENTS: BASIS OF DESIGN - COMMSCOPE UNIPRISE

CAT 6A PLENUM CABLING - CS44P WH
CAT 6A JACKS - UN10G-WH
CAT 6 PLENUM CABLING - CS34P BLU, CS34P GRV
CAT 6 JACKS - UNJ600-BL, UNJ600-GY
48 PORT 6A PATCH PANEL - UNP-6A-DM-2U-48
48 PORT 6A PATCH PANEL - UNP-6A-DM-2U-48
24 PORT 6A PATCH PANEL - UNP-6-DM-1U-24
SS FACEPLATE W/LABEL - M11SP-L, M12SP-L (1216, 1218, 1219, 1220, 1223)
IVORY FACEPLATE W/LABEL - M10L-246, M12L-246, M13L-246, M14L-246
12 STRAND OM4 FIBER INDOOR - P-012-DS-9K-FSUAQ
12 STRAND OM4 FIBER INDOOR/OUTDOOR - P-012-OD-9K-FSUBK
24 STRAND OM4 FIBER INDOOR - P-024-DS-9K-FSUAQ
LC FIBER CONNECTORS - MPC-LCF-09-9K
FIBER RACK ENCLOSURE - SD-1U
12 PORT SD SPLICING CASSETTE - PNL-CS-12LCX-PT
24 PORT SD SPLICING CASSETTE - PNL-CS-24LCX-PT

VD2. PROVIDE FLOOR BOXES AND POKE-THRU ASSEMBLIES WITH THE FOLLOWING MINIMUM COMPONENTS: BASIS OF DESIGN - LEGRAND WIREMOLD

FIRST FLOOR: FLOOR BOX FURNITURE FEED #EFBFF-PPFTCAL
FIRST FLOOR: FLOOR BOX DATA FEED #880CS1-8181CAL-828COMTAL
SECOND FLOOR: POKE THRU FURNITURE FEED #P9SAMOTCAL
SECOND FLOOR: POKE THRU DATA FEED #P9CMOTCAL

VD3. REFER TO DRAWINGS FOR QUANTITIES. CONTRACTOR SHALL PROVIDE ALL REQUIRED CABLING AND PERIPHERAL APPURTENANCES.



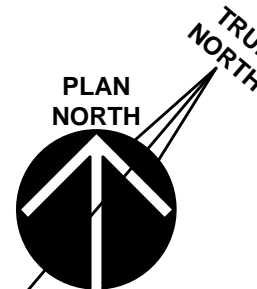
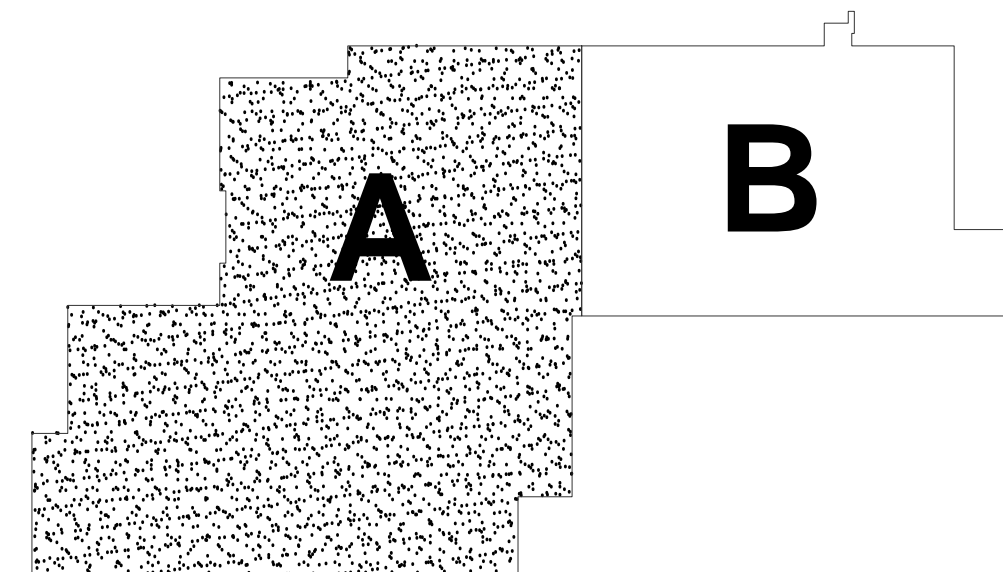
SYMBOLS AND ABBREVIATIONS

| | | | |
|--|------------------------------------|--|----------------------------|
| | CCTV CAMERA | | MOTION DETECTOR |
| | CARD READER | | SOUND SPEAKER |
| | DOOR CONTACT | | PANIC BUTTON |
| | ELECTRIC STRIKE | | REQUEST TO EXIT |
| | HDMI INPUT | | TV COAX OUTLET |
| | KEYPAD BURGLAR | | VOLUME CONTROL |
| | LED ALARM LIGHT | | WIRELESS ACCESS POINT |
| | DATA DROP | | DATA DROP, TV LOCATION |
| | DATA DROP, "X" INDICATES CABLE QTY | | DATA DROP, CAMERA LOCATION |
| | DATA DROP, WALL LOCATION | | DATA DROP, FLOOR |

ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|-------------------------|---------|---------------------------|
| 1000 | VESTIBULE | 1162 | OPEN OFFICE |
| 1001 | RECEPTION | 1163 | NOT USED |
| 1002 | SECURITY | 1164 | COORDINATOR OFFICE |
| 1003 | LOBBY | 1165 | NOT USED |
| 1004 | ELEVATOR | 1166 | TELEDATA |
| 1005A | MULTIPURPOSE ROOM | 1167 | MENS RESTROOM |
| 1005B | MULTIPURPOSE ROOM | 1168 | CONSULT |
| 1006 | EOC STORAGE | 1169 | WOMENS RESTROOM |
| 1007 | ELEVATOR EQUIPMENT | 1170 | MANAGER OFFICE |
| 1008 | IDF | 1171 | CORRIDOR |
| 1009 | WAITING | 1172 | LAB/ANTHRO |
| 1010 | VITAL RECORDS RECEPTION | 1173 | COPY/FILES STORAGE |
| 1011 | VITAL RECORDS OFFICE | 1173A | CLOSET |
| 1012 | CUSTODIAL | 1174 | WORKSTATIONS |
| 1013 | CORRIDOR | 1175 | WAITING |
| 1014 | WOMENS RESTROOM | 1176A | CLASSROOM |
| 1015 | ELECTRICAL | 1176B | CLASSROOM |
| 1016 | MENS RESTROOM | 1177 | CORRIDOR |
| 1017 | BIO WASTE STORAGE | 1178 | VISION/HEARING |
| 1018 | VESTIBULE | 1179 | MANAGER OFFICE |
| 1100 | ENTRY AREA | 1180 | STORAGE |
| 1101 | WOMENS RESTROOM | 1200 | WAITING |
| 1102 | MENS RESTROOM | 1201 | CONFERENCE ROOM |
| 1103 | WAITING ROOM | 1202 | OPEN OFFICE |
| 1103A | KID ZONE-WAITING | 1203 | ACTIVE FILES |
| 1104 | INTAKE AREA | 1204 | REIMBURSEMENT OFFICE |
| 1105 | CORRIDOR | 1205 | PROGRAM MANAGER |
| 1106 | ANTHRO ROOM | 1206 | ARCHIVE FILES |
| 1107 | NOT USED | 1207 | ARCHIVE FILES |
| 1108 | CHP-1 | 1208 | PROGRAM COORDINATOR |
| 1109 | NOT USED | 1209 | WORKROOM |
| 1110 | CHP-2 | 1210 | DIRECTOR OFFICE |
| 1111 | WAITING ROOM | 1211 | LAB COORDINATOR OFFICE |
| 1112 | CHP-3 | 1212 | CORRIDOR |
| 1113 | CHP-6 | 1213 | CORRIDOR |
| 1114 | CHP-4 | 1214 | LAB ANALYST OPEN OFFICE |
| 1115 | CHP-7 | 1215 | MENS RESTROOM |
| 1116 | CHP-5 | 1216 | MICROBIOLOGY LAB |
| 1117 | CHP-8 | 1217 | WOMENS RESTROOM |
| 1118 | ANTHRO ROOM | 1218 | NON-POTABLE LAB |
| 1119 | CORRIDOR | 1219 | LAB STORAGE/UTILITY |
| 1120 | CHP-9 | 1220 | CHEMISTRY LAB |
| 1121 | STAIR | 1221 | CLOSET |
| 1122 | UTILITY | 1222 | CORRIDOR |
| 1123 | CORRIDOR | 1223 | ENVIRONMENTAL SAMPLE |
| 1124 | EXAM ROOM | 1300 | CORRIDOR |
| 1125 | NOT USED | 1301 | EPR STORAGE |
| 1126 | CONSULT | 1302 | MUD ROOM |
| 1127 | CHP-10 | 1303 | DOCK |
| 1128 | HRM | 1304 | RECEIVING |
| 1129 | CHP-11 | 1305 | ACCOUNTS PAYABLE |
| 1130 | OFFICE | 1306 | CORRIDOR |
| 1131 | CHP-12 | 1307 | FACILITIES |
| 1132 | PROGRAM MANAGER OFFICE | 1308 | FACILITIES MANAGER OFFICE |
| 1133 | UNISEX BATHROOM | 1309 | ELECTRICAL |
| 1134 | BREAST FEEDING OFFICE | 1310 | STAIR |
| 1135 | BREAST FEEDING | 1400 | VESTIBULE |
| 1136 | COORDINATOR OFFICE | 1401 | WAITING ROOM |
| 1137 | CORRIDOR | 1402 | MENS RESTROOM |
| 1138 | CLOSET | 1403 | WOMENS RESTROOM |
| 1139 | CORRIDOR | 1404 | EXAM ROOM |
| 1140 | CONSULT | 1405 | CORRIDOR |
| 1141 | MENS RESTROOM | 1406 | EXAM ROOM |
| 1142 | IDF | 1407 | COPY/WORK ROOM |
| 1143 | WOMENS RESTROOM | 1408 | XRAY EXAM ROOM |
| 1144 | BREAK ROOM | 1409 | MENS RESTROOM |
| 1145 | NOT USED | 1410 | XRAY ROOM |
| 1146 | CORRIDOR | 1411 | WOMENS RESTROOM |
| 1147 | ACTIVE FILES ROOM | 1412 | WAITING ROOM |
| 1148 | WORK ROOM | 1413 | MEDICAL WASTE ROOM |
| 1149 | CHECK OUT COUNTER | 1414 | STORAGE |
| 1150 | CORRIDOR | 1415 | CORRIDOR |
| 1151 | IMMUNIZATION INTAKE | 1416 | OFFICE |
| 1152 | SUPPLY | 1417 | NOT USED |
| 1153 | NOT USED | 1418 | FILES ROOM |
| 1154 | OFFICE | 1419 | RECEPTION WORKSPACE |
| 1155 | INJECTION ROOM | 1420 | OFFICE |
| 1156 | CONSULT | 1421 | NOT USED |
| 1157 | INJECTION ROOM | 1422 | CONFERENCE ROOM |
| 1158 | CORRIDOR | | |
| 1159 | INJECTION ROOM | | |
| 1160 | VACCINE PREP ROOM | | |
| 1161 | NOT USED | | |

KEY PLAN



FIRST FLOOR SPECIAL SYSTEMS - AREA 'A'

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

1

CCTV SYSTEM - BASIS OF DESIGN

C1. PROVIDE A COMPLETE AND OPERATIONAL CCTV SYSTEM WITH THE FOLLOWING MINIMUM COMPONENTS: BASIS OF DESIGN - VICON SECURITY

- (1) VALERUS 45TB RAID 6 NVR - VICON #VLR-45TB-R6-A
- (1) VALERUS APPLICATION/MOBILE WEB SERVER - VICON #VLR-APPSRV-A-RK
- (1) 60" PROFESSIONAL DISPLAY - SHARP #FN-JH601
- (1) DISPLAY TILT MOUNT - PEERLESS #ST660
- 5MP DOME CAMERA - VICON #V45D-W310MR
- 20MP MULTITLSE CAMERA - VICON #V1020-WIR-180
- EXTERIOR ARM MOUNT - VICON #V1000-WM
- VALERUS ENTERPRISE LICENSE - VLR-ENT-LIC
- VALERUS UPGRADE PROTECTION PLAN - VLR-ENT-UPP
- 1 YEAR PARTS AND LABOR WARRANTY

C2. CAMERA RECORDING SETTINGS SHALL BE 8 FPS, MOTION ACTIVATED.

C3. REFER TO DRAWINGS FOR QUANTITIES, CONTRACTOR SHALL PROVIDE ALL REQUIRED CABLING AND PERIPHERAL APPURTENANCES.

C4. ACCEPTABLE CCTV SYSTEM MANUFACTURERS: BOSCH, PELCO
ALL COMPONENTS SHALL BE SOURCED FROM A SINGLE MANUFACTURER.

BURGLAR SYSTEM - BASIS OF DESIGN

B1. PROVIDE A COMPLETE AND OPERATIONAL BURGLAR ALARM SYSTEM WITH THE FOLLOWING MINIMUM COMPONENTS:

- ALARM PANELS - HONEYWELL #VISTA-250BPT
- POWER SUPPLY - ALTRONIX #SMP3ET
- KEYPADS - HONEYWELL #40500-S160
- OVERHEAD DOOR CONTACTS - HONEYWELL #40500-SN
- MOTION DETECTORS - HONEYWELL #DT8050A-SN
- DOOR CONTACTS - SEXTROL #10700
- V-PLEX ADAPTERS - HONEYWELL #41355N
- RELAY BOARDS - HONEYWELL #4204
- ZONE EXPANDERS - HONEYWELL #208SN
- LED INDICATORS - CAMDEN WOX-LED1/R/53
- WIRELESS RADIO - HONEYWELL #H8SMV4G
- TOTAL CONNECT 2.0 SUBSCRIPTION - 1 YEAR
- 1 YEAR PARTS AND LABOR WARRANTY

B2. REFER TO DRAWINGS FOR QUANTITIES, CONTRACTOR SHALL PROVIDE ALL REQUIRED CABLING AND PERIPHERAL APPURTENANCES.

B4. ACCEPTABLE MANUFACTURERS: BOSCH, HIRSCH

ACCESS CONTROL SYSTEM - BASIS OF DESIGN

AC1. PROVIDE A COMPLETE AND OPERATIONAL ACCESS CONTROL SYSTEM WITH THE FOLLOWING MINIMUM COMPONENTS: BASIS OF DESIGN - VICON SECURITY

- MASTER CONTROLLER EIGHT MULTI-DOOR KIT - VICON #VAX-MDK-8
- 24VDC LOCK MODULE - VICON #VAX-MOD-24
- PROXIMITY READER - VICON #VAX-500R
- PROXIMITY CARDS - VICON #VAX-CRD-MT (QTY: 300*)
- LICENSE - VICON #VAX-SW80-1YR
- REX MOTION SENSORS - BOSCH #DS160/HTP160
- PANEL/LOCK POWER SUPPLY - ALTRONIX #AL600ULX
- PLENUM CABLING (REX, DOOR CONTACTS, LOCK POWER)
- SHIELDED PLENUM CABLING (READERS)
- 1 YEAR PARTS AND LABOR WARRANTY
- *CONTRACTOR SHALL PROGRAM 250 CARDS INTO THE SYSTEM. REMAINDER SHALL BE SPARES.

AC2. COORDINATE ELECTRIFIED HARDWARE, DOOR POSITION SWITCH AND POWER SUPPLIES WITH DOOR HARDWARE SCHEDULE, SPECIFICATIONS AND BUILDER'S HARDWARE CONTRACTOR.

AC3. DOORS SHALL BE MONITORED FOR "HELD OPEN" ALARM NOTIFICATION.

AC4. REFER TO DRAWINGS FOR QUANTITIES, CONTRACTOR SHALL PROVIDE ALL REQUIRED CABLING AND PERIPHERAL APPURTENANCES.

AC5. ACCEPTABLE MANUFACTURERS: DMP, BOSCH

A/V SYSTEM - BASIS OF DESIGN

AV1. PROVIDE A COMPLETE AND OPERATIONAL AUDIO VISUAL SYSTEM WITH THE FOLLOWING MINIMUM COMPONENTS:

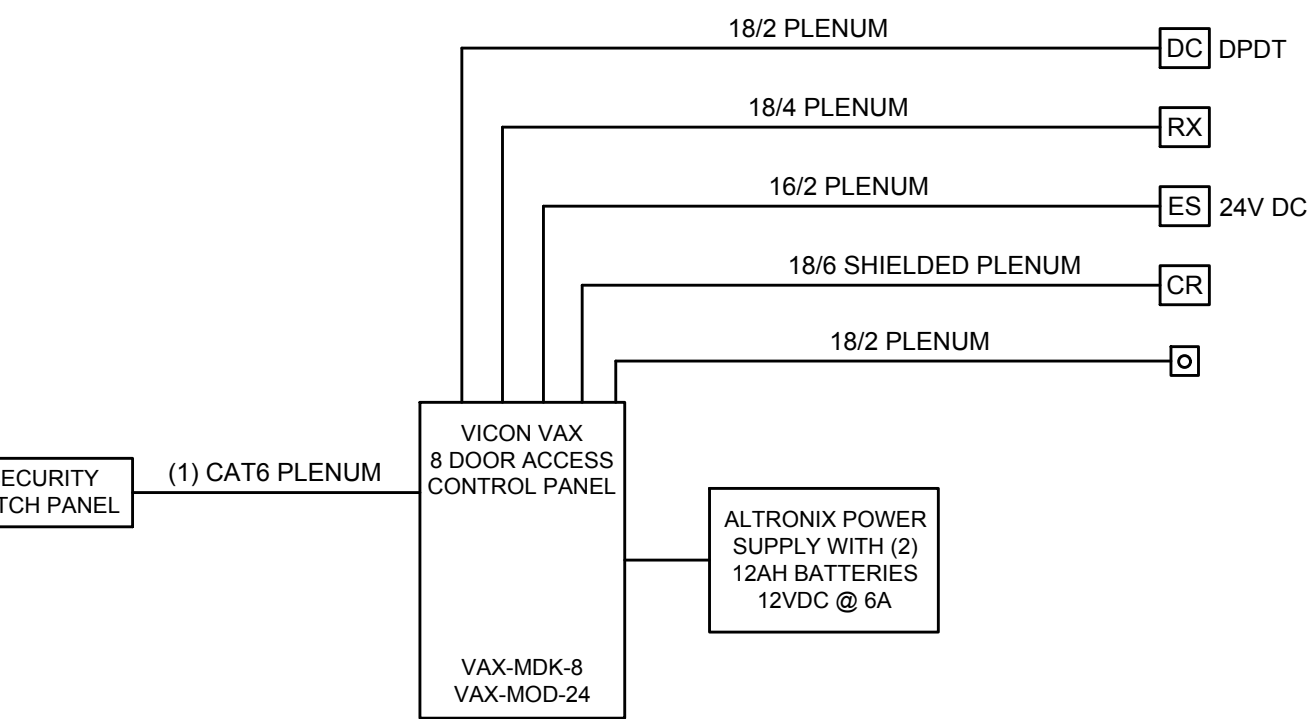
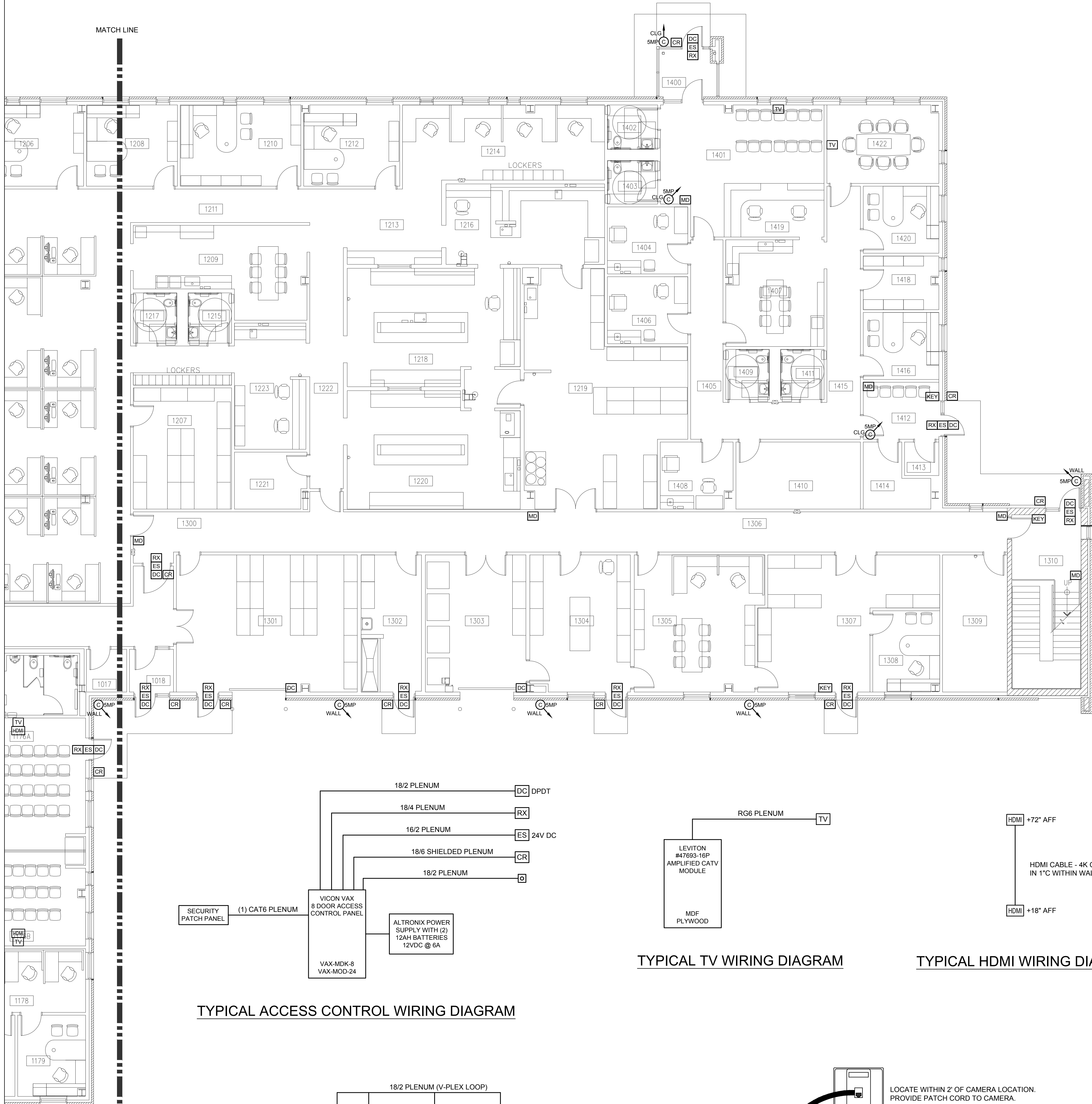
- (1) WALL MOUNT RACK - TRIPPLITE #SRW18US
- (1) PDU RACK MOUNT - TRIPPLITE #PDU1215
- (2) VOLUME CONTROL - EXTRON #VCM 200 D
- (1) 2 CHANNEL AMPLIFIER - EXTRON #XPA4002
- (1) IP LINK PRO CONTROL PROCESSOR - EXTRON #IPCP PRO 265
- (1) PRESENTATION MATRIX SWITCHER - EXTRON #DTP CROSSPOINT 84 4K
- (1) WALL MOUNT 3.5" TOUCH PANEL - EXTRON #TLP PRO 320M
- (1) DIGITAL SIGNAL PROCESSOR 12X8 - EXTRON #DMP 128 PLUS C V
- (2) OVERHEAD PROJECTOR - BY OWNER
- (2) CEILING PROJECTOR MOUNT - BY ARCHITECT
- (2) RECESSED MOTORIZED SCREEN - BY ARCHITECT
- (12) CEILING SPEAKERS - JBL/CONTROL 26CT
- ONE YEAR PARTS AND LABOR WARRANTY
- EXTRON CERTIFIED INSTALLER

AV2. PRESENTATION OPTIONS:

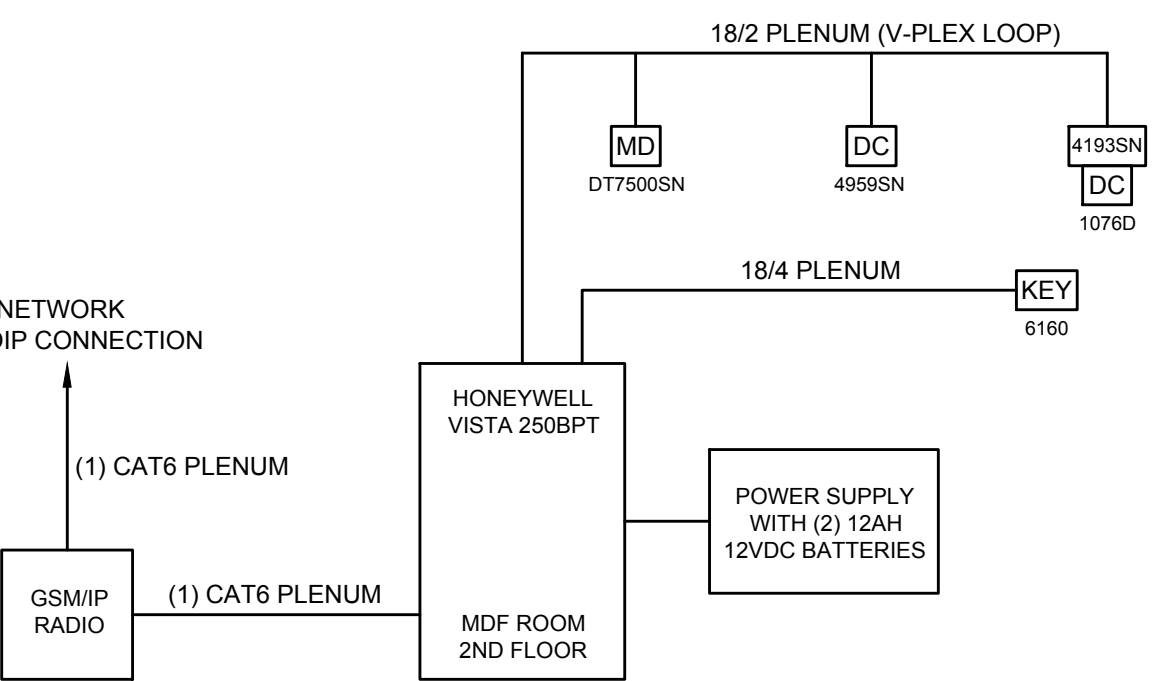
- 1005A ONLY
- 1005B ONLY
- 1005A & 1005B - SAME INPUT
- 1005A & 1005B - DIFFERENT INPUTS

AV2. REFER TO DRAWINGS FOR QUANTITIES, CONTRACTOR SHALL PROVIDE ALL REQUIRED CABLING AND PERIPHERAL APPURTENANCES. ALL CABLING SHALL BE PLENUM RATED.

AV3. ACCEPTABLE AV MANUFACTURER: AMX, ATEN, EXTRON

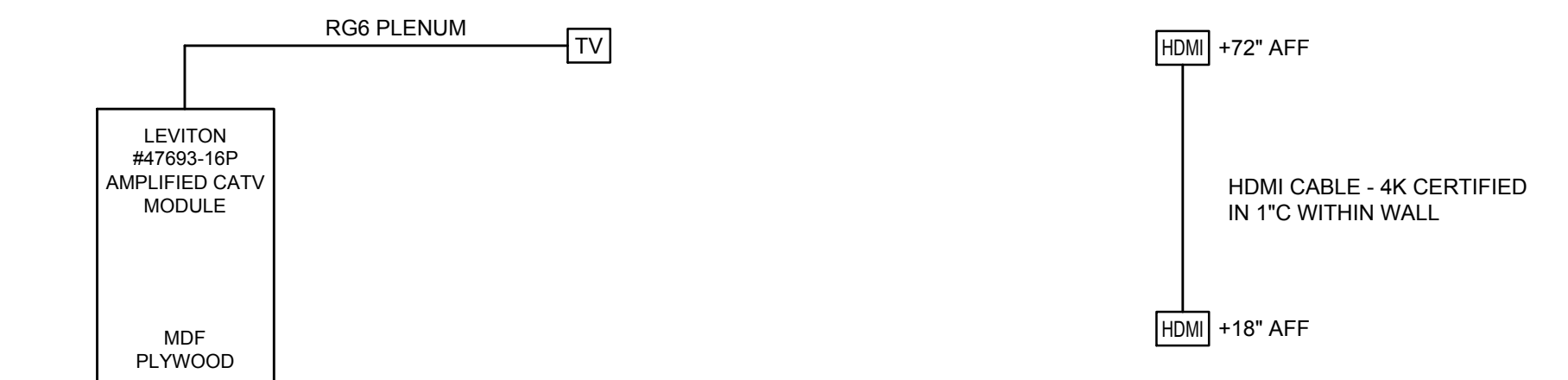


TYPICAL ACCESS CONTROL WIRING DIAGRAM



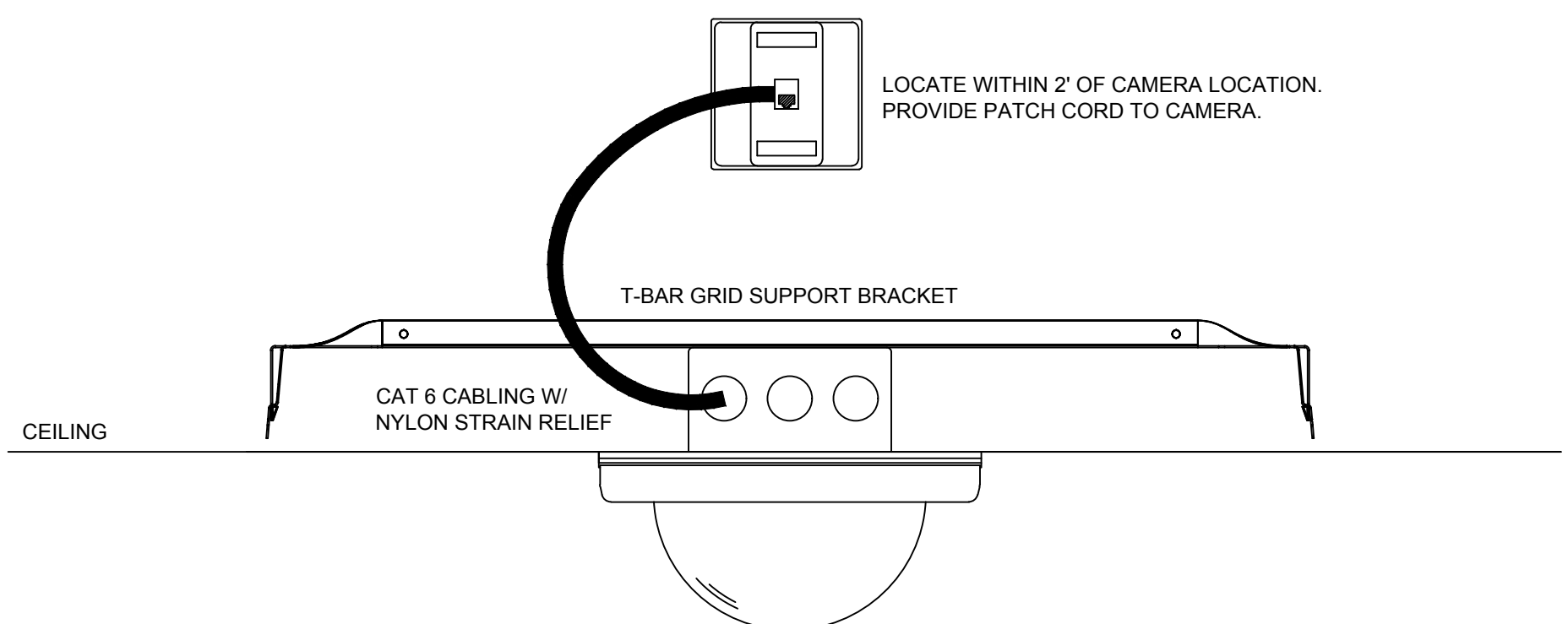
TYPICAL BURGLAR WIRING DIAGRAM

* SEE DRAWING T422 FOR INTEGRATION OF EMERGENCY NOTIFICATION SYSTEM WITH BURGLAR ALARM PANEL.



TYPICAL TV WIRING DIAGRAM

TYPICAL HDMI WIRING DIAGRAM



TYPICAL DOME CAMERA MOUNTING DETAIL

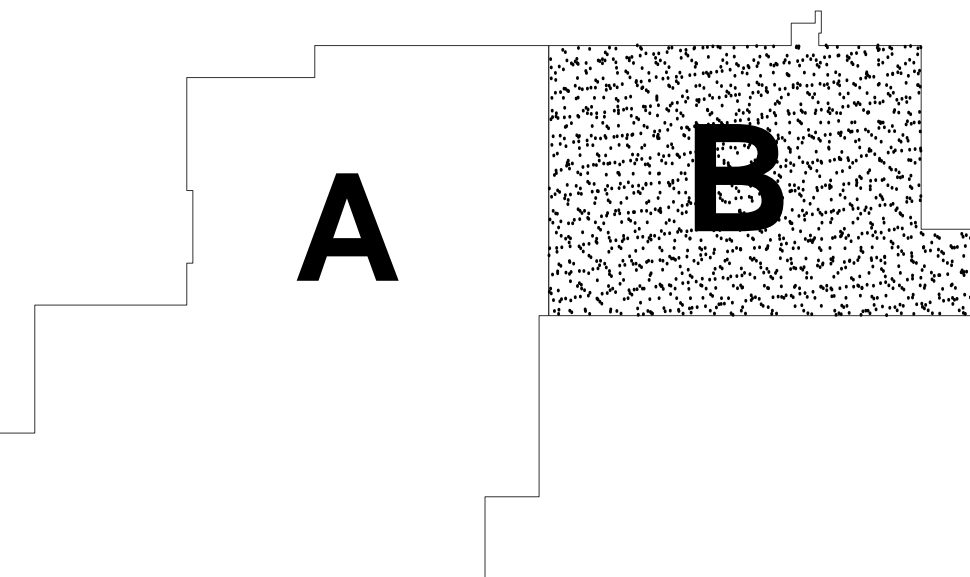
SYMBOLS AND ABBREVIATIONS

| | | | |
|--|------------------------------------|--|----------------------------|
| | CCTV CAMERA | | MOTION DETECTOR |
| | CARD READER | | SOUND SPEAKER |
| | DOOR CONTACT | | PANIC BUTTON |
| | ELECTRIC STRIKE | | REQUEST TO EXIT |
| | HDMI INPUT | | TV COAX OUTLET |
| | KEYPAD BURGLAR | | VOLUME CONTROL |
| | LED ALARM LIGHT | | WIRELESS ACCESS POINT |
| | DATA DROP, "X" INDICATES CABLE QTY | | DATA DROP, TV LOCATION |
| | DATA DROP, WALL LOCATION | | DATA DROP, CAMERA LOCATION |
| | | | DATA DROP, FLOOR |

ROOM SCHEDULE

| RM. NO. | ROOM NAME | RM. NO. | ROOM NAME |
|---------|-------------------------|---------|---------------------------|
| 1000 | VESTIBULE | 1162 | OPEN OFFICE |
| 1001 | RECEPTION | 1163 | NOT USED |
| 1002 | SECURITY | 1164 | COORDINATOR OFFICE |
| 1003 | LOBBY | 1165 | NOT USED |
| 1004 | ELEVATOR | 1166 | TELEDATA |
| 1005A | MULTIPURPOSE ROOM | 1167 | MENS RESTROOM |
| 1005B | MULTIPURPOSE ROOM | 1168 | CONSULT |
| 1006 | EOC STORAGE | 1169 | WOMENS RESTROOM |
| 1007 | ELEVATOR EQUIPMENT | 1170 | MANAGER OFFICE |
| 1008 | IDF | 1171 | CORRIDOR |
| 1009 | WAITING | 1172 | LAB/ANTHRO |
| 1010 | VITAL RECORDS RECEPTION | 1173 | COPY/FILES STORAGE |
| 1011 | VITAL RECORDS OFFICE | 1173A | CLOSET |
| 1012 | CUSTODIAL | 1174 | WORKSTATIONS |
| 1013 | CORRIDOR | 1175 | WAITING |
| 1014 | WOMENS RESTROOM | 1176A | CLASSROOM |
| 1015 | ELECTRICAL | 1176B | CLASSROOM |
| 1016 | MENS RESTROOM | 1177 | CORRIDOR |
| 1017 | BIO WASTE STORAGE | 1178 | VISION/HEARING |
| 1018 | VESTIBULE | 1179 | MANAGER OFFICE |
| | | 1180 | STORAGE |
| 1100 | ENTRY AREA | 1200 | WAITING |
| 1101 | WOMENS RESTROOM | 1201 | CONFERENCE ROOM |
| 1102 | MENS RESTROOM | 1202 | OPEN OFFICE |
| 1103 | WAITING ROOM | 1203 | ACTIVE FILES |
| 1103A | KID ZONE-WAITING | 1204 | REIMBURSEMENT OFFICE |
| 1104 | INTAKE AREA | 1206 | PROGRAM MANAGER |
| 1105 | CORRIDOR | 1207 | ARCHIVE FILES |
| 1106 | ANTHRO ROOM | 1208 | PROGRAM COORDINATOR |
| 1107 | NOT USED | 1209 | WORKROOM |
| 1108 | CHP-1 | 1210 | DIRECTOR OFFICE |
| 1109 | NOT USED | 1211 | CORRIDOR |
| 1110 | CHP-2 | 1212 | LAB COORDINATOR OFFICE |
| 1111 | WAITING ROOM | 1213 | CORRIDOR |
| 1112 | CHP-3 | 1214 | LAB ANALYST OPEN OFFICE |
| 1113 | CHP-6 | 1215 | MENS RESTROOM |
| 1114 | CHP-4 | 1216 | MICROBIOLOGY LAB |
| 1115 | CHP-7 | 1217 | WOMENS RESTROOM |
| 1116 | CHP-5 | 1218 | NON-POTABLE LAB |
| 1117 | CHP-8 | 1219 | LAB STORAGE/UTILITY |
| 1118 | ANTHRO ROOM | 1220 | CHEMISTRY LAB |
| 1119 | CORRIDOR | 1221 | CLOSET |
| 1120 | CHP-9 | 1222 | CORRIDOR |
| 1121 | STAIR | 1223 | ENVIRONMENTAL SAMPLE |
| 1122 | UTILITY | 1300 | CORRIDOR |
| 1123 | CORRIDOR | 1301 | EPR STORAGE |
| 1124 | EXAM ROOM | 1302 | MUD ROOM |
| 1125 | NOT USED | 1303 | DOCK |
| 1126 | CONSULT | 1304 | RECEIVING |
| 1127 | CHP-10 | 1305 | ACCOUNTS PAYABLE |
| 1128 | HRM | 1306 | CORRIDOR |
| 1129 | CHP-11 | 1307 | FACILITIES |
| 1130 | OFFICE | 1308 | FACILITIES MANAGER OFFICE |
| 1131 | CHP-12 | 1309 | ELECTRICAL |
| 1132 | PROGRAM MANAGER OFFICE | 1310 | STAIR |
| 1133 | UNISEX BATHROOM | 1400 | VESTIBULE |
| 1134 | BREAST FEEDING OFFICE | 1401 | WAITING ROOM |
| 1135 | BREAST FEEDING | 1402 | MENS RESTROOM |
| 1136 | COORDINATOR OFFICE | 1403 | WOMENS RESTROOM |
| 1137 | CORRIDOR | 1404 | EXAM ROOM |
| 1138 | CLOSET | 1405 | CORRIDOR |
| 1139 | CORRIDOR | 1406 | EXAM ROOM |
| 1140 | CONSULT | 1407 | COPY/WORK ROOM |
| 1141 | MENS RESTROOM | 1408 | XRAY EXAM ROOM |
| 1142 | IDF | 1409 | MENS RESTROOM |
| 1143 | WOMENS RESTROOM | 1410 | XRAY ROOM |
| 1144 | BREAK ROOM | 1411 | WOMENS RESTROOM |
| 1145 | NOT USED | 1412 | WAITING ROOM |
| 1146 | CORRIDOR | 1413 | MEDICAL WASTE ROOM |
| 1147 | ACTIVE FILES ROOM | 1414 | STORAGE |
| 1148 | WORK ROOM | 1415 | CORRIDOR |
| 1149 | CHECK OUT COUNTER | 1416 | OFFICE |
| 1150 | CORRIDOR | 1417 | NOT USED |
| 1151 | IMMUNIZATION INTAKE | 1418 | FILES ROOM |
| 1152 | SUPPLY | 1419 | RECEPTION WORKSPACE |
| 1153 | NOT USED | 1420 | OFFICE |
| 1154 | OFFICE | 1421 | NOT USED |
| 1155 | INJECTION ROOM | 1422 | CONFERENCE ROOM |
| 1156 | CONSULT | | |
| 1157 | INJECTION ROOM | | |
| 1158 | CORRIDOR | | |
| 1159 | INJECTION ROOM | | |
| 1160 | VACCINE PREP ROOM | | |
| 1161 | NOT USED | | |

KEY PLAN



FIRST FLOOR SPECIAL SYSTEMS - AREA 'B'

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

1

Kluber
Architects + Engineers

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Baltimore, Illinois 60610
Tel: 630.406.1210
Gurnee, Illinois 60031
Tel: 847.336.3428
www.klubertec.com

MEADE
ELECTRIC

9550 West 55th Street
McCook, IL 60525
Phone: 708.588.2500
www.meadeelectric.com

WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL
501 ELLA AVENUE
JOLIET, IL 60433

| ISSUED | DATE | BY | CHKD | DESCRIPTION |
|----------|----------|------|------|-------------------------|
| 1/1/2018 | 1/1/2018 | B.P. | AS | MEETING, KASAP, ASLZING |
| 1/1/2018 | 1/1/2018 | B.P. | AS | ADDENDUM #4 |

JOB NO. 17-401-1124
DRAWN DDN
CHECKED DDN
APPROVED DDN

SHEET TITLE
FIRST FLOOR SPECIAL SYSTEMS - AREA B

SHEET NUMBER

T412

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

The diagram shows a step function on a coordinate plane. The function is defined by a series of horizontal and vertical segments. The area under the curve is divided into two regions: Region A, which is white, and Region B, which is shaded with a stippled pattern. Region A is the area under the curve from the y-axis to the first step, and Region B is the area under the curve from the first step to the second step.