ALLEGHENY COUNTY SANITARY AUTHORITY

March 28, 2022

CONTRACT NO. 1759 G, E, H, P

ENVIRONMENTAL COMPLIANCE FACILITY

ADDENDUM NO. 2

All bidders bidding Contract No. 1759 G, E, H, P shall read and take note of this Addendum No. 2. The Contract Documents for **Contract No. 1759 G, E, H, P – Environmental Compliance Facility** are hereby revised and/or clarified as stated below.

Acknowledgement of Contract No. 1759 G, E, H, P; Addendum No. 2

The Acknowledgement attached to Addendum No. 2 is to be signed and returned immediately via email to **Kathleen Uniatowski** at contract.clerks@alcosan.org and acknowledged with the Bidder's Proposal.

Kimberly Kennedy

Kimberly Kennedy, P.E.
Director – Engineering and Construction

3300 Preble Avenue • Pittsburgh, PA 15233-1092 • ph: 412.766.4810
www.alcosan.org

ACKNOWLEDGEMENT OF

CONTRACT NO. 1759 G, E, H, P – ENVIRONMENTAL COMPLIANCE FACILITY

ADDENDUM NUMBER 2

FIRM NAME: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

MARCH 28, 2022

CONTRACT NO. 1759 G, E, H, P

ENVIRONMENTAL COMPLIANCE FACILITY

ADDENDUM NO. 2

MARCH 28, 2022

CONTRACT NO. 1759 G, E, H, P

ENVIRONMENTAL COMPLIANCE FACILITY

ADDENDUM NO. 2

A. Contract Documents – Volume 1

No Changes

B. Contract Specifications – Volume 2

1. 01 11 00 Summary of Work:

   a) Paragraph 1.2.A.1.a. Add:

   21. GC to furnish Pedestal Electrical Outlet Mounts on lab casework

   b) Paragraph 1.2.A.2.a. Add:

   11. EC to install Pedestal Electrical Outlet Mounts on lab casework

2. 09 67 23 Resinous Flooring:

   a) Paragraph 2.1. B, Add:

   2. Sherwin Williams Trafficcote #105
   3. Tnemec Company Deco-Fleck

3. New Specification Section: 11 53 13 Laboratory Ducted Fume Hoods, Copy attached.

4. Spec Section 12 35 53.13 Metal Laboratory Casework:

   a) Paragraph 2.1. A, Add:

Basis of Design: Air Masters Systems Corp (AMS). Contact: Eric Decker
Harry J. Kloeppel & Associates, Inc. www.kloeppel.com
317.578.3964: Office www.airmastersystems.com
317.292.5920: Cell

C. Contract Specifications – Volume 3

No Changes

D. Contract Drawings

1. Drawing 220-A-11 Overall Floor Plan – First Floor
    a) Updated plank keynotes number 5 to include detail 9/AD-04 within description.

2. Drawing 220-A-14 Overall Floor Plan – Penthouse Floor
    a) Updated ceiling membrane note to include detail 8/AD-04 within description.

3. Drawing 220-A-23 Building Elevations
    a) Adjusted translucent fiberglass wall panel and window sizes at South Elevation.

4. Drawing 220-A-42 Enlarged Plans & Elevations
    a) Added note 7 within general notes interior elevation that "all lab casework with exposed cabinet faces to receive finished side and/ or back panels."
    b) Detail 3/A-42 accessory label was updated to state A1.

5. Drawing 220-A-43 Enlarged Plans & Elevations
    a) Added note 7 within general notes interior elevation that "all lab casework with exposed cabinet faces to receive finished side and/ or back panels."

6. Drawing 220-A-44 Enlarged Plans & Elevations
    a) Added note 7 within general notes interior elevation that "all lab casework with exposed cabinet faces to receive finished side and/ or back panels."
    b) Added notes to elevation 6/A-44 and 7/A-44 to include "(x)pedestal mounted back to back outlets = refer to electrical drawings for spacing."

7. Drawing 220-A-45 Enlarged Plans & Elevations
    a) Added note 7 within general notes interior elevation that "all lab casework with exposed cabinet faces to receive finished side and/ or back panels."
    b) Added note to elevation 6/A-45 to include "(x)pedestal mounted back to back outlets = refer to electrical drawings for spacing."

8. Drawing 220-A-46 Enlarged Plans & Elevations
    a) Added note 7 within general notes interior elevation that "all lab casework with exposed cabinet faces to receive finished side and/ or back panels."
    b) Added notes to elevation 4/A-46 and 5/A-46 to include "(x)pedestal mounted back to back outlets = refer to electrical drawings for spacing."

9. Drawing 220-A-47 Enlarged Plans & Elevations
    a) Added note 7 within general notes interior elevation that “all lab casework with exposed cabinet faces to receive finished side and/ or back panels.”

10. Drawing 220-A-48 Enlarged Plans & Elevations
    a) Added note 7 within general notes interior elevation that “all lab casework with exposed cabinet faces to receive finished side and/ or back panels.”
    b) Casework tags MT-72 have been added to Metals Lab 142

11. Drawing 220-A-49 Enlarged Plans & Elevations
    a) Added note 7 within general notes interior elevation that “all lab casework with exposed cabinet faces to receive finished side and/ or back panels.”

12. Drawing 220-AD-04 Details – Ceiling
    a) Detail 8/AD-04 has been graphically updated
    b) Notes on detail 9/AD-04 were updated to “see detail on 220-AS-05”

13. Drawing 220-AD-11 Details – Translucent fiberglass panels
    a) Adjusted translucent fiberglass wall panel and window sizes at elevation detail 1/AD-11.

14. Drawing 220-AI-05 Finish schedules & details
    a) The ACT was corrected throughout the finish schedule to match the RCP drawings.

15. Drawing 220-AI-06 Finish legend
    a) PT-8 and PT-9 colors were updated.
    b) SSB-1 solid surface base was added to the project.

16. Drawing 220-AS-03 Storefront types and details
    a) Adjusting width of window type SF9.

17. Drawings 220-ASP-01 Overall signage plan – first floor
    a) Signage types were updated to include frames, signs specifications and details pertaining to the sign elements.

18. Drawings 220-ASP-02 Overall signage plan – second floor
    a) Signage types were updated to include frames, signs specifications and details pertaining to the sign elements.

19. Drawings 220-ASP-03 Overall signage plan – third floor
    a) Signage types were updated to include frames, signs specifications and details pertaining to the sign elements.

20. Drawings 220-ASP-04 Overall signage plan – Penthouse
    a) Signage types were updated to include frames, signs specifications and details pertaining to the sign elements.

E. Questions

Q1: The specifications mention an aluminum frame around the signs. However, in the drawings there is nothing showing an aluminum extrusion frame in the notes or sign details. Can you confirm if frames are required?

A1: It is assumed this question refers to specification section 10 14 23.16. Yes, aluminum frames are required at all room identification signs. Revised drawings are provided in this addendum. Specifications will follow in a future addendum.

Q2: Note on lab enlarged plans call for rigid aluminum conduit to be used in the lab spaces. Does this include all concealed conduits and exposed conduits?

A2: Yes, all conduit in the lab spaces are to be rigid aluminum. Exposed conduits are not acceptable in the lab and finished spaces.

Q3: Are aluminum conduits required for lighting, fire alarm and systems in the lab areas?

A3: Yes, aluminum conduits are required for all systems in the lab areas.

Q4: Please provide areas and applications where MC cable is permitted.

A4: Installation of MC cable in lab spaces, concealed or not concealed, is prohibited. Outside of lab spaces, MC cables is allowed for use inside concealed walls and for lighting fixture whip to junction box above ACT. MC cable is not allowed in open ceiling installation. MC cable is not allowed for homerun.

Q5: If the GC is required to perform all the excavation, how are they to quantify how much time for this work by other primes? Suggest allowance for T&M.

A5: The GC is responsible to perform the work specified in 01 11 00, 1.2 (A) (1.a) (3). The cost of this work will be paid under Base Bid Item 8.1.

Q6: Is the electrical contractor responsible for the ductbank installation?

A6: Yes. The electrical contractor is responsible to perform the work specified in 01 11 00, 1.2 (A) (2.a) (2) which includes the duct banks. Electrical contractor is responsible to form (as necessary), reinforce, and pour concrete for duct banks.

Q7: Drawing 000-ESP-01 Electrical Site Plan shows underground feeders from the MDP to a chase to the upper floor electrical rooms. It calls for two (2) 2" to the 2nd floor and three (3) 2" to the 3rd floor. The electrical riser on Drawing 220-ESL-01 only shows one (1) 2" feeder on the 2nd floor and one (1) 2" feeder on the 3rd floor. Are the additional 2" conduits spare or should they be deleted?

A7: The additional 2" conduits are spares and should be installed. The 3rd 2" conduit to the electrical room on the 3rd floor is for the FATC.

Q8: In Addendum #1 it stated that all conduits in lab spaces are to be aluminum. Are we still allowed to have fixture whips from JBs to the fixtures or are we to use aluminum conduit from fixture to fixture.

A8: All conduit in lab spaces are to be aluminum including whips from fixture to JBs and fixture to fixture.

Q9: Detail 3/A-42 indicates accessory A16 and A13. Please confirm that A13 should be labeled A1.

A9: Yes, Detail 3/A-42 accessory labeled A13 should read A1.

Q10: Please confirm that window in classroom 203 shown on drawing A1-02 should have a horizontal blind.

A10: Refer to Sheets A-17 and A-18 for detail 4/AD-04 for locations of dual shades. Classroom 203, 202, 302, 303 all receive dual window shades.

Q11: Please clarify location of double roller shades. If able, labeling on A1 drawings would be helpful.

A11: Refer to Sheets A-17 and A-18 for detail 4/AD-04 for locations of dual shades. Classroom 203, 202, 302, 303 all receive dual window shades.

Q12: Would Kewaunee be an acceptable manufacturer for Lab Casework and Fume Hoods?

A12: Per pre-bid meeting minutes included in Addendum 1, no substitutions are permitted for lab casework and fume hoods.

Q13: Detail 2/AE-05 indicates there to be a solid surface base. There is not a solid surface base listed in the finish schedule or legend. Please clarify if there are solid surface bases.

A13: Detail 2/AE-05 is correct. Finish Legend on sheet AI-06 has been updated to include the solid surface base.

Q14: Please provide casework tag(s) for the work bench isles in Metals Lab 142 shown on drawing A-48. Elevations for these are not shown.

A14: Casework tags are provided for Metals Lab 142 in this Addendum.

Q15: Please provide casework tag(s) for the "back cabinet panel" shown on Elevation detail 6/A-48.

A15: All general notes for interior elevations are revised in this Addendum to state "All lab casework with exposed cabinet faces to receive finished side and/or back panels."

Q16: Per the remarks on the Finish Legend AI-06, do all Labs receive aluminum capped ceiling grid?

A16: Correct. All labs to receive aluminum capped ceiling grid.

Q17: Lobby 101 ceiling is drawn as 2'x6', but the finish schedule lists 2'x2' (ACT 1). Please clarify.

A17: Finish schedule has been updated in this Addendum to state 2'x6' tiles.

Q18: Several rooms between 119 and 143 are listed to receive ACT2 (2'x6') for ceilings per the Finish Schedule, but are drawn as 2'x2' on the RCP. Please clarify.

A18: Finish schedule has been updated to 2'x2' in this Addendum. Please follow the drawings.

Q19: At what locations are the "ceiling membrane enclosures" used? (Details 8 & 9 on AD-04)

A19: Detail 8 is the membrane enclosure noted at Shaft C on sheet A-14 updated per this Addendum. Detail 9 is the membrane enclosure noted at Keynote 5 on sheet A-11 updated per this addendum.

F. Clarifications

None

G. Attachments

Contract Documents:

None

Specifications:

11 53 13: Laboratory Ducted Fume Hoods

Drawings:

220-A-11 OVERALL FLOOR PLAN- FIRST FLOOR
220-A-14 OVERALL FLOOR PLAN- PENTHOUSE FLOOR PLAN
220-A-23 BUILDING ELEVATIONS
220-A-42 ENLARGED PLANS AND ELEVATIONS
220-A-43 ENLARGED PLANS AND ELEVATIONS
220-A-44 ENLARGED PLANS AND ELEVATIONS
220-A-45 ENLARGED PLANS AND ELEVATIONS
220-A-46 ENLARGED PLANS AND ELEVATIONS
220-A-47 ENLARGED PLANS AND ELEVATIONS
220-A-48 ENLARGED PLANS AND ELEVATIONS
220-A-49 ENLARGED PLANS AND ELEVATIONS
220-AD-04 DETAILS-CEILING
220-AD-11 DETAILS- TRANSLUCENT FIBERGLASS PANELS
220-AI-05 FINISH SCHEDULES AND DETAILS
220-AI-06 FINISH LEGEND
220-AS-03 STOREFRONT TYPES AND DETAILS
220-ASP-01 OVERALL SIGNAGE PLAN- FIRST FLOOR
220-ASP-02 OVERALL SIGNAGE PLAN- SECOND FLOOR
220-ASP-03 OVERALL SIGNAGE PLAN- THIRD FLOOR
220-ASP-04 OVERALL SIGNAGE PLAN- PENTHOUSE

Pre-Bid Documents:

None

Other:

None

*** * * * END OF ADDENDUM NO. 2 * * * ***

SECTION 11 53 13 – LABORATORY DUCTED FUME HOODS

PART 1 GENERAL

A. SUMMARY:

1. This Specification identifies the minimum material and construction standards that are required to provide a safe work environment for the end user. Fume hoods shall be supplied and delivered in accordance to this specification.
   Hoods will function as a ventilated enclosed work space which is designed to capture any and all fumes, vapors, and particulates within the enclosure.

1.1 SECTION INCLUDES:

A. Laboratory fume hoods

1.2 RELATED SECTIONS:

A. Division 12 Section 12 35 53, Metal Laboratory Casework

B. Division 22 Section 40 00, “Plumbing Fixtures”

C. Division 23 Section 30 00, “HVAC Air Distribution”

D. Division 26 Section 05 00, “Common Work Results for Electrical”

1.3 REFERENCES

A. SEFA 1-2020: Laboratory Fume Hoods – Design, Materials, Use and Testing Guidelines
B. UL 1805: Underwriters Laboratory LLC
C. ADA (ATBCB ADAAG) Americans with Disabilities Act Accessories Guidelines

1.4 SUBMITTALS

A. Shop Drawings:
1. Indicate equipment locations, large-scale plans, elevations, and cross sections, rough in and anchor placement dimensions and tolerances and all required clearances.

B. Product Data:
1. Submit manufacturer's data for each component and item of laboratory equipment specified. Include component dimensions, configurations, construction details, joint details, and attachments, utility and service requirements and locations.

C. Selection Samples:
1. Submit 3" x 3" inch samples of finish for fume hood, work surfaces and for other pre finished equipment and accessories for selection by Architect.

D. Test Reports:
1. Submit test reports verifying conformance to test performances specified.
2. Submit independent tests as specified.

E. Quality Control:
1. Test Reports: Manufacturer must send ASHRAE 110 AM, NIH and EPA testing results from a third party on third party's letterhead to the Designer to assure user safety is met for bench hoods. This is a requirement. No exceptions.
2. UL 1805 Specification: Fume Hood must be Underwriters Laboratories 1805 classified. The 1805 standard covers electrical and mechanical hazards, investigates the flammability of materials and measures the effectiveness of airflow characteristics. Proper labeling must be affixed to the face of each fume hood indicating classification to the UL 1805 standard for Fume Hoods. UL listing covering electrical components only or other listings that do not encompass all issues covered in UL 1805 is insufficient.
3. Manufacturer must manufacture and build fume hoods within the United States of America and source all steel from the United States. Certificates of origin for steel must be supplied to show United States steel is being used.

1.5 QUALITY ASSURANCE

A. SINGLE SOURCE RESPONSIBILITY:

1. Fume hood casework, work surfaces, and other laboratory equipment and accessories shall be manufactured or furnished by a single laboratory furniture company.
2. Fume hood must be UL1805 listed. Fume hoods with only UL61010 are not acceptable.

B. MANUFACTURER'S QUALIFICATIONS:
1. Modern plant with proper tools, dies, fixtures and skilled worker to produce high quality laboratory casework and equipment, and shall meet the following minimum requirements:
   A. 45 years or more experience in manufacturing of laboratory fume hoods
   B. 10 installations of equal or larger size and requirements
   C. Fume hood shall be manufactured in the USA with USA steel.
   D. Shall have a 5-year warranty or longer as manufacturer's standard warranty.

C. INSTALLER'S QUALIFICATIONS:
1. Factory certified by the manufacturer

1.6 DELIVERY, STORAGE AND HANDLING

A. Schedule delivery of equipment so that spaces are sufficiently complete that equipment can be installed immediately following delivery.

B. Protect finished surfaces from soiling or damage during handling and installation. Keep covered with polyethylene film or other protective coating.

C. Protect all work surfaces throughout construction period with 1 / 4" corrugated cardboard completely covering the top and securely taped to edges. Mark cardboard in large lettering "No Standing"

1.7 PROJECT CONDITIONS

A. DELIVERY
1. Do not deliver or install equipment until windows and doors are installed and, in the building, and the building is weather tight. All plumbing, electrical, HVAC aside from final connections are installed above fume hoods.

2. All painting is completed and floor tile located below casework is installed.

PART 2 – PRODUCTS

2.1 MANUFACTURER

A. Acceptable Manufacturer:
Air Master Systems, Corp.; 6480 Norton Center Dr. Muskegon, MI 49441. Tel: (231) 798-1111. Fax: (231) 798-4000.
Email: sales@airmastersystems.com, www.airmastersystems.com

B. Substitutions:
Must have prior written approval and meet all requirements enclosed in specification including testing results from a third party testing.

2.2 FUME HOOD MATERIALS

A. Standard Materials

1. Exterior Panels, Posts, Upper Front Panel, Airfoil and Furring Panels: Cold rolled and levelled mild steel shall conform to ASTM A1008/A1008M.

2. Bypass Grilles: 18 Ga thick mild steel with upward directional louvers for CV and no louvers for VAV

3. Upper Front Panel: 18 Ga thick mild steel without bypass.

4. Lower Foil: 16 Ga 304 stainless steel.

5. Screws: Stainless Steel with corrosion resistant caps

6. Safety glass: Laminated safety type ¼” (6mm)

7. Hoods to be cable/pulley with coated cable or chain/sprocket. To be selected upon each application.

8. Sash Pull: 16 Ga stainless steel with oval shaped louvers for bypass.

9. Electrical components: Must be UL and CSA approved commercial grade

B. Fume Hood Liner

1. FRP: Hood linings along with baffles shall be white fiberglass reinforced polyester thermoset resin of 3/16” thick. Minimum flexural

strength of 15,000 psi, with a flame spread of less than 25 per ASTM #E84.

2. 304 and 316 Stainless: Shall be a #4 brushed finish either applied or welded liner with radius corners.

C. Ceiling Enclosures (Furring Panels)

1. When specified, provide matching enclosure to fill space between the top of the fume hood and the ceiling. Designer to determine if below, at or above ceiling grid.

2. Enclosures shall be self-standing and reinforced where required. Secure panels with self-tapping stainless-steel screws that are not visible from front of hood. Front panel shall be removable without tools. No hinged access panels will be accepted as an alternate.

2.3 FUME HOOD CONSTRUCTION

A. Rigid, self-supporting full frame shall be the interior structure which consists of an interior corrosion resistant liner and sheet steel outer shell. The double wall construction shall house the electrical and plumbing services.
Maximum thickness of double wall to be 5 inches. Hoods must be a true full frame construction. Hoods using metal brackets and spacers to hold the interior and exterior panels together are unacceptable. Frame must be able to stand alone as a structure without any liners or brackets for support. No exceptions.

B. Access to plumbing valves and other services concealed in the wall provided by exterior removable access panels, PVC gasket access panel from the interior or through removable front post.

C. Exterior panel members shall be fastened by means of concealed devices. Exposed screws and two piece “Velcro” designs are not acceptable.

D. Hood light fixture shall be LED fixture with sound rated ballast installed on the top panel. Must include lamps with fixtures. Provide switch with black acid resistant thermoplastic.

E. Fume hood sash shall be full view with unobstructed side to side view of fume hood interior. Sash shall travel in a PVC track. Bottom, top and side rails shall be rigid stainless-steel tubing (16 Ga Wall) welded to form an integral structure. For safety reasons, bottom rail shall be a full width finger lift with bypass holes for bypass so the sash can be closed to 0.5 inches to the work surface. A single weight, ball bearing zinc plated steel

pulley assembly with cable/chain retaining device shall maintain sash at any position with creep. Sash system is designed to prevent sash drop in the event of a cable or chain failure. Sash shall open and close against rubber stops.

F. Access opening chamber (posts) and airfoil shall be radiuses to allow maximized clean sweeps of air into the hood. The airfoil shall be flush mount to the work surface so accidental spilling does not occur when removing items from the hood. Raised airfoils are not acceptable. For ADA fume hoods, a secondary containment trough shall be provided. Airfoil shall be 304 stainless steel.

G. To maximize bypass under the airfoil, the epoxy top must be cut at an angle to get a clean sweep without creating eddies in the airflow. This assures clean sweep of work surface directly in front of user.

H. Hoods shall not have a remote-control baffle system. Hoods should be designed to allow low and high temperatures as well as all molecular weights of gases to be expelled in an efficient manner without the use of adjustable baffles. Adjustable baffle systems are not acceptable.

I. Electrical duplex outlets shown mounted on the face of the fume hoods shall be installed in the front posts and pre-wired to a junction box mounted on the top of the fume hood superstructure. Electrical devices shall be UL listed/classified.

J. The minimum sash height shall be 29” of opening with the full view of 36”.

K. Attach corrosion resistant labels to units for basic fume hood safety/usage that include a QR code for easy access to manufacturer’s safety video. No exceptions.

2.4 FUME HOOD ALARMS/CONTROLS

A. A face velocity monitor (AFA500) shall have a visual and audible alarm. An AFA1000 face velocity monitor also includes a digital readout of face velocity. Designer to choose which alarm to use in a Constant Volume System. If the project is a VAV system, the fume hood manufacturer shall provide a cutout on the hood for the HVAC Contractor to install the VAV monitor onto the hoods.

B. Any ducting product above the duct collar on the fume hood including blower, duct, dampers etc. to be provided by Contractor. All VAV controllers will be provided by Contractor. A cutout for the VAV controller will be done at fume hood manufacturing facility.

2.5 FLOOR MOUNT FUME HOODS

A. Floor mount hoods shall be manufactured with the same materials as bench hoods to meet UL1805 and CSA requirements.

B. Designer to choose from one of the following sash configurations

1. (2) vertical rising sashes
2. (2) vertical rising sashes with top sash as a combination sash
3. Horizontal sliding door to open 50% and include a SS ramp and tracks.
4. Horizontal sliding doors to open 66.7% and include a SS ramp and tracks.

PART 3 - EXECUTION

3.1 INSTALLATION

A. In addition to requirements of Section 11 53 13, install fume hoods in positions shown, align and set level with leveling devices. All fume hoods shall be square upon installation.

B. Work in conjunction with allied trades installing ductwork, wiring and plumbing services for rough in dimensions which will be shown on all approved drawings by designer.

C. Apply small bead of sealant to junction the fume hood counter top and adjacent hood liner.

D. Turn over to Mechanical Trades for final connections to the fume hood.

END OF SECTION

GENERAL CONSTRUCTION NOTES

1. PARTITION TYPES: UNLESS OTHERWISE NOTED, SHALL BE TYPE A1
2. CONTRACTOR TO COORDINATE ALL BLOCKING FOR CASEWORK , ACCESSORIES, ETC.
3. PROVIDE ADEQUATE BACKUP AND BLOCKING FOR ALL WALL OR CEILING MOUNTED EQUIPMENT, ARCHITECTURAL WOODWORK, HANDRAILS, LIGHTING, OR OTHER MISCELLANEOUS ITEMS AS SHOWN ON DRAWINGS.
4. REFER TO REFLECTED CEILING PLANS FOR THE CEILING TYPE AND HEIGHT. COORDINATE HEIGHTS OF GYPSUM BOARD WITH CEILING HEIGHT AND WITH PARTITION DETAILS SHOWN HERE.
5. REFER TO FINISH SCHEDULE, INTERIOR ELEVATIONS, AND ARCHITECTURAL CASEWORK DETAILS FOR WALL FINISHES AND WALL MOUNTED ACCESSORIES TO COORDINATE BLOCKING REQUIREMENTS.
6. AT CERAMIC TILE, INSTALL CEMENTITIOUS BACKER BOARD. SHIM BACKER BOARD AS REQUIRED TO RESULT IN A FLUSH TRANSITION TO NON-BACKER BOARD.
7. IN TOILET ROOMS, PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON ALL WALLS.

PLAN KEYNOTES

1. 8'-0" x 8'-0" x 7'-7"H WALK-IN COOLER WITH INSULATED FLOOR. PROVIDE 4" CONCRETE SLAB RECESS FOR FLUSH TRANSITION BETWEEN FLOOR SURFACES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS. CONFIRM EXACT SLAB RECESS WITH COOLER MANUF.
2. PROVIDE 2" CONCRETE SLAB RECESS FOR WALK-OFF MAT. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
3. PROVIDE 1" CONCRETE SLAB RECESS AT SHOWERS FOR SLOPED FLOOR. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
4. PASS-THROUGH WINDOW (W2) WITH 10" DEEP STAINLESS STEEL SHELF ON EACH SIDE.
5. PROVIDE A CEILING MEMBRANE ENCLOSURE AT THE BOTTOM OF SHAFT C PER UL DESIGN #K506. REFER TO DETAIL 9/AD-04.

GENERAL LEGEND

- PARTITION
- SWING DOOR, REF DOOR SCHEDULE
- FUTURE EXPANSION
- FLOOR DRAIN, REF PLUMB DWGS
- ROOF GARDEN MOVEABLE PLANTER, REF SPEC
- SHOWER FLOOR DRAIN, REF PLUMB DWGS
- ROOF GARDEN INTEGRATED PLANTING TRAYS, REF SPEC
- DUAL DRINKING FOUNTAIN W/ BOTTLE FILL STATION, REF PLUMB DWGS
- GRAVEL
- FIRE EXTINGUISHER CABINET
- PAVER
- LAB HOODS, REF TO MECH DWGS FOR DUCT CONNECTIONS.
- PAVER

1 OVERALL FLOOR PLAN - FIRST FLOOR

1/8" = 1'-0"

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

8' 0' 4' 8'

Designed by: F. SANTORO	REVISION			
	REV No.	DATE	DESCRIPTION	APPV
Drawn by: S. BUCHA	1	3/24/22	ADDENDUM 2	1
Checked by: R. SYMANSKI				

AE WORKS.

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418 Beaver Street
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ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-A-11
OVERALL FLOOR PLAN - FIRST FLOOR

Contract: 1759
CAD File Name: A-11.DGN
Date: 01 / 14 / 2022
Sheet: 78 of 288

GENERAL CONSTRUCTION NOTES

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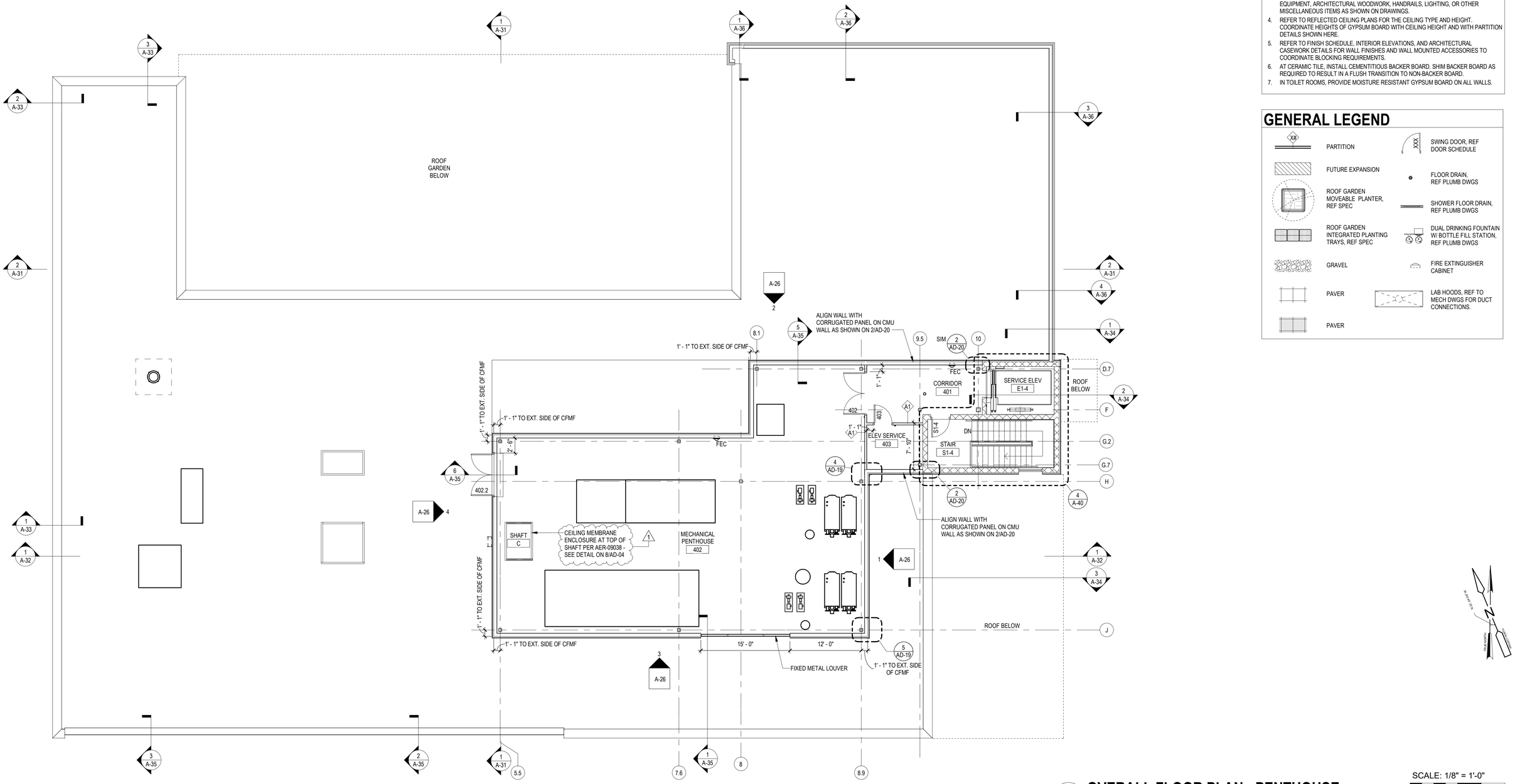
6. AT CERAMIC TILE, INSTALL CEMENTITIOUS BACKER BOARD. SHIM BACKER BOARD AS REQUIRED TO RESULT IN A FLUSH TRANSITION TO NON-BACKER BOARD.
7. IN TOILET ROOMS, PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON ALL WALLS.

GENERAL LEGEND

- PARTITION
- SWING DOOR, REF DOOR SCHEDULE
- FUTURE EXPANSION
- FLOOR DRAIN, REF PLUMB DWGS
- ROOF GARDEN MOVEABLE PLANTER, REF SPEC
- SHOWER FLOOR DRAIN, REF PLUMB DWGS
- ROOF GARDEN INTEGRATED PLANTING TRAYS, REF SPEC
- DUAL DRINKING FOUNTAIN W/ BOTTLE FILL STATION, REF PLUMB DWGS
- GRAVEL
- FIRE EXTINGUISHER CABINET
- PAVER
- LAB HOODS, REF TO MECH DWGS FOR DUCT CONNECTIONS.
- PAVER



1 OVERALL FLOOR PLAN - PENTHOUSE

1/8" = 1'-0"

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

8' 0' 4' 8'

Designed by: F. SANTORO	REVISION		
	REV No.	DATE	DESCRIPTION	APPV
Drawn by: S. BUCHA	1	3/24/22	ADDENDUM 2	1
Checked by: R. SYMANSKI				

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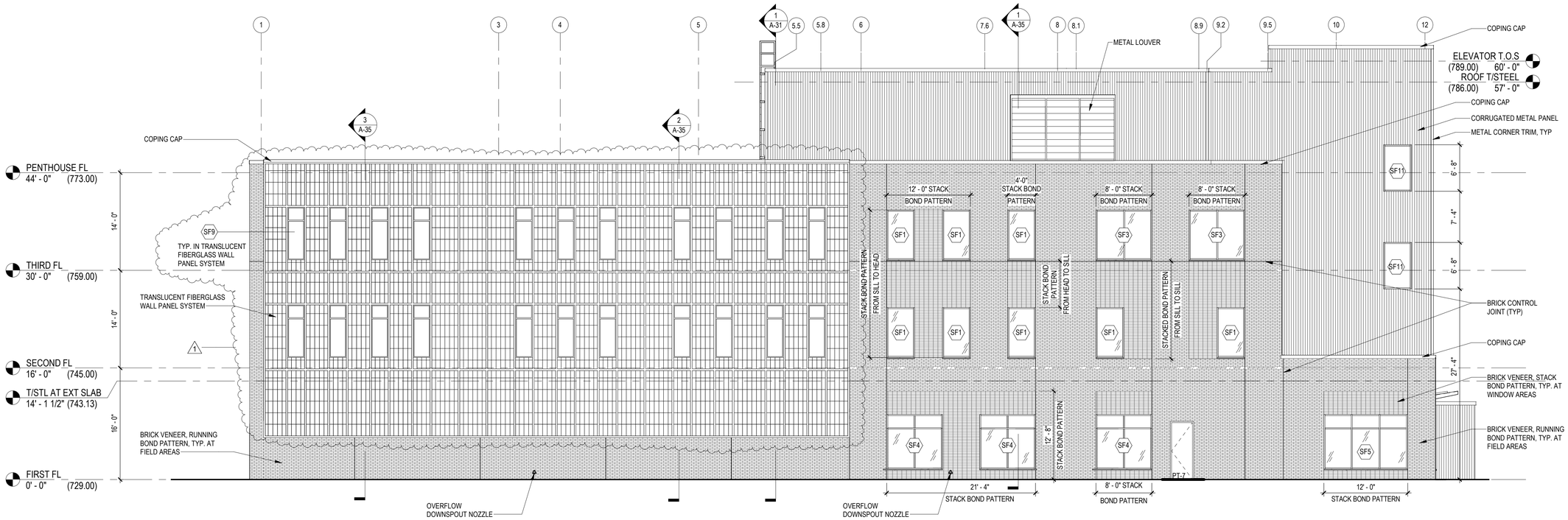
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-A-14
OVERALL FLOOR PLAN - PENTHOUSE FLOOR

Contract:	1759
CAD File Name:	A-14.DGN
Date:	01 / 14 / 2022
Sheet:	81 of 288



1 BUILDING ELEVATION - SOUTH

1/8" = 1'-0"

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

8' 0' 4' 8'

Designed by: F. SANTORO	REVISION			
Drawn by: S. BUCHA	REV No.	DATE	DESCRIPTION	APPV
Checked by: R. SYMANSKI				
	1	3/24/22	ADDENDUM 2	1

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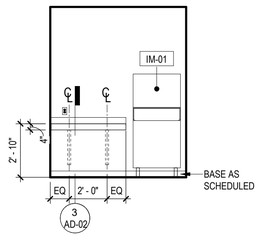
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

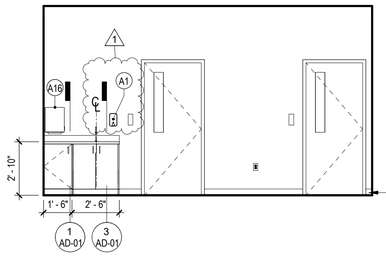
220-A-23
BUILDING ELEVATIONS

Contract: 1759
CAD File Name: A-23.DGN
Date: 01 / 14 / 2022
Sheet: 89 of 288



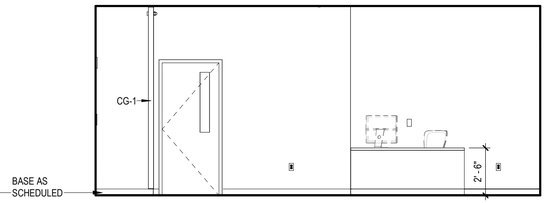
2 VESTIBULE 119 - EAST

1/4" = 1'-0"



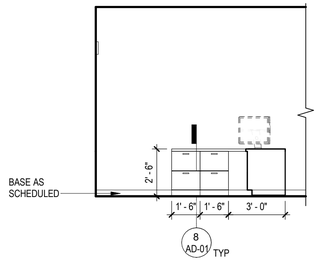
3 SAMPLE DROP-OFF 120 - EAST

1/4" = 1'-0"



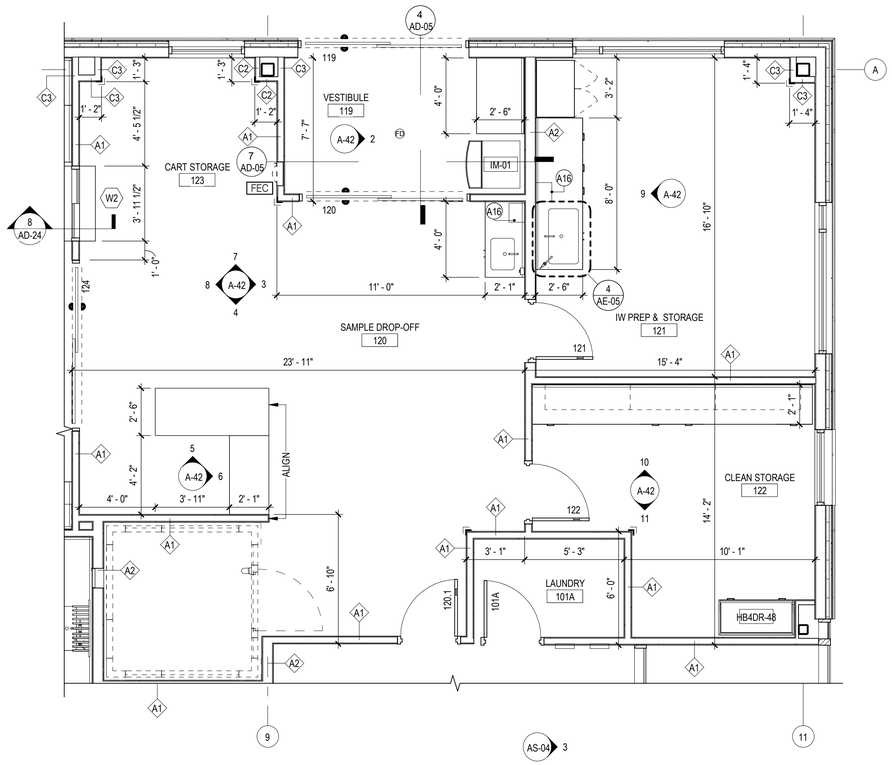
4 SAMPLE DROP-OFF 120 - SOUTH

1/4" = 1'-0"



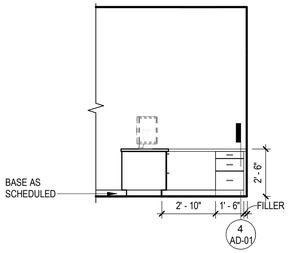
5 SAMPLE DROP-OFF 120 - DESK

1/4" = 1'-0"



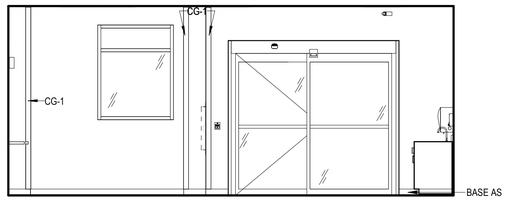
1 ENLARGED PLAN - SAMPLE DROP OFF

1/4" = 1'-0"



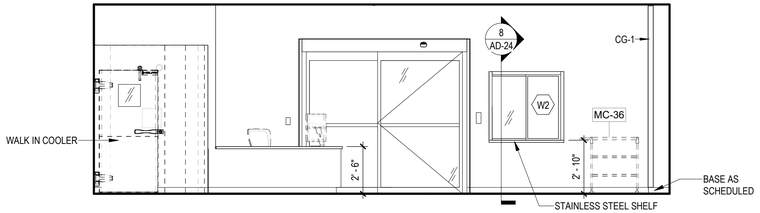
6 SAMPLE DROP-OFF 120 - DESK

1/4" = 1'-0"



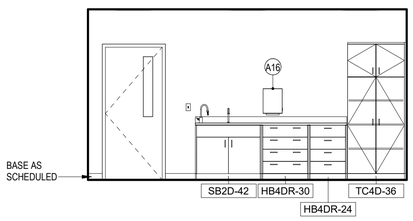
7 SAMPLE DROP-OFF 120 - NORTH

1/4" = 1'-0"



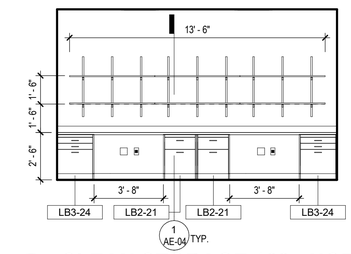
8 SAMPLE DROP-OFF 120 - WEST

1/4" = 1'-0"



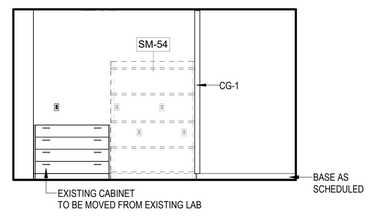
9 IW PREP & STORAGE 121 - WEST

1/4" = 1'-0"



10 CLEAN STORAGE 122 - NORTH

1/4" = 1'-0"



11 CLEAN STORAGE 122 - SOUTH

1/4" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

1. REFER TO FINISH PLANS, FINISH LEGENDS, & SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO EQUIPMENT PLANS FOR ADDITIONAL LAB CASEWORK AND LAB EQUIPMENT INFORMATION.
3. REFER TO 220-A-00 FOR ADA / ANSI A117.1 MOUNTING HEIGHTS OF OPERABLE PARTS FOR ALL TOILET ACCESSORIES.
4. COORDINATE ALL POWER / DATA / BACK BOX ROUGH-INS WITH OWNER AT ALL DISPLAY / MONITOR MOUNTING LOCATIONS. ALL POWER / DATA / BACK BOXES ARE TO BE CONCEALED BEHIND DISPLAYS / MONITORS.
5. GC TO REFERENCE PLUMBING DRAWINGS FOR GC FURNISHED PLUMBING FIXTURES.
6. REFER TO FINISH PLANS FOR SCHEDULED COUNTERTOPS AND LAMINATES.
7. ALL LAB CASEWORK WITH EXPOSED CABINET FACES TO RECEIVE FINISHED SIDE AND/OR BACK PANELS.

ACCESSORY SCHEDULE (A8)

#	TYPE	MANUFACT.	PRODUCT #	MOUNT TYPE	OF	CF	OI	CI	REMARKS
A1	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111	SURFACE		X		X	
A2	18" GRAB BAR	BOBRICK	B-5806.99x18	SURFACE		X		X	
A3	36" GRAB BAR	BOBRICK	B-6806x36" SST SATIN	SURFACE		X		X	
A4	42" GRAB BAR	BOBRICK	B-6806x42" SST SATIN	SURFACE		X		X	
A5	SINGLE JUMBO ROLL SURFACE MOUNTED TOILET TISSUE DISPENSER	BOBRICK	B-2890	SURFACE		X		X	
A6	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURFACE		X		X	
A7	RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE	BOBRICK	B-36903	RECESSED		X		X	
A8	HEAVY DUTY DOUBLE TIER LOCKERS	LYON	-	FLOOR		X		X	
A9	MIRROR (24 X 42)	BRADLEY	781-1836	SURFACE		X		X	CENTER ON SINK
A10	COAT HOOK	BOBRICK	B-7671	SURFACE		X		X	CENTER WIDTH WISE ON DOORS
A11	MIRROR (18" X 36")	BRADLEY	781-1860	SURFACE		X		X	
A12	ADA BENCH	HOLLMAN	OSLO	SURFACE		X		X	SOLID SURFACE SEAT
A13	REVERSIBLE SOLID PHENOLIC FOLDING SHOWER SEAT	BOBRICK		SURFACE		X		X	
A14	42" GRAB BAR	BOBRICK	B-6806x42" SST SATIN						
A15	SHOWER CURTAIN ROD WITH CONCEALED MOUNTING	BOBRICK	B-207	SURFACE		X		X	
A16	PAPER TOWEL DISPENSER	BOBRICK	B-4262	SURFACE		X		X	
A17	SHELF WITH MOP AND BROOM HOLDERS AND HOOKS	BOBRICK	B-239	SURFACE		X		X	
A18	SHOWER CURTAIN	BOBRICK	204	SURFACE		X		X	

ELEVATION LEGEND

- LIGHT SWITCH
- DUPLEX
- FOURPLEX
- DATA
- CARD READER
- EVACUATION PUSH BUTTON
- FIRE ALARM PULL STATION
- CAMERA
- SPEAKER
- ACCESS PANEL

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

4' 0' 2' 4'

Designed by:	REVISION			
F. SANTORO	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by:				
R. SYMANSKI				

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ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-A-42
ENLARGED PLANS & ELEVATIONS

Contract:	1759
CAD File Name:	A-42.DGN
Date:	01 / 14 / 2022
Sheet:	102 of 288

GENERAL NOTES - INTERIOR ELEVATIONS

1. REFER TO FINISH PLANS, FINISH LEGENDS, & SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO EQUIPMENT PLANS FOR ADDITIONAL LAB CASEWORK AND LAB EQUIPMENT INFORMATION.
3. REFER TO 220-A-00 FOR ADA / ANSI A117.1 MOUNTING HEIGHTS OF OPERABLE PARTS FOR ALL TOILET ACCESSORIES.
4. COORDINATE ALL POWER / DATA / BACK BOX ROUGH-INS WITH OWNER AT ALL DISPLAY / MONITOR MOUNTING LOCATIONS. ALL POWER / DATA / BACK BOXES ARE TO BE CONCEALED BEHIND DISPLAYS / MONITORS.
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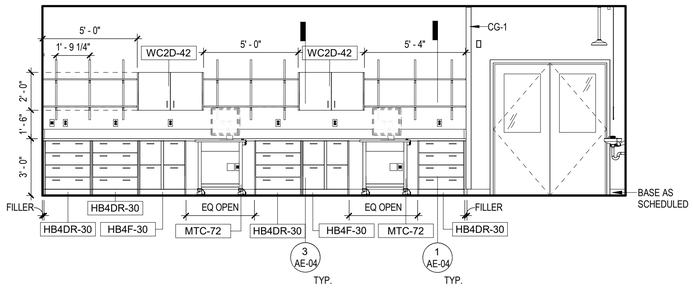
6. REFER TO FINISH PLANS FOR SCHEDULED COUNTERTOPS AND LAMINATES.
7. ALL LAB CASEWORK WITH EXPOSED CABINET FACES TO RECEIVE FINISHED SIDE AND/OR BACK PANELS.

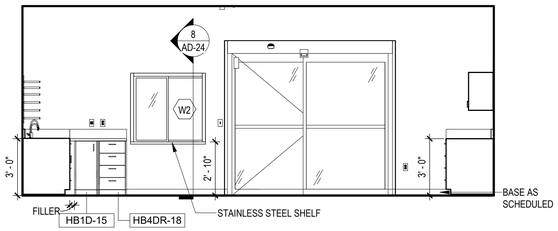
ELEVATION LEGEND

- LIGHT SWITCH
- DUPLEX
- FOURPLEX
- DATA
- CARD READER
- EVACUATION PUSH BUTTON
- FIRE ALARM PULL STATION
- CAMERA
- SPEAKER
- ACCESS PANEL



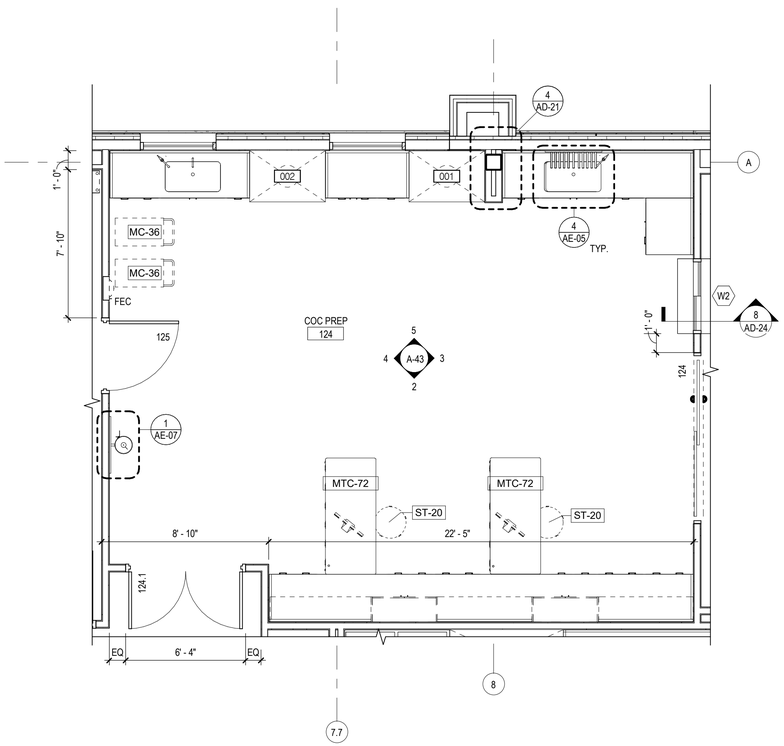
2 COC PREP 124 - SOUTH

1/4" = 1'-0"



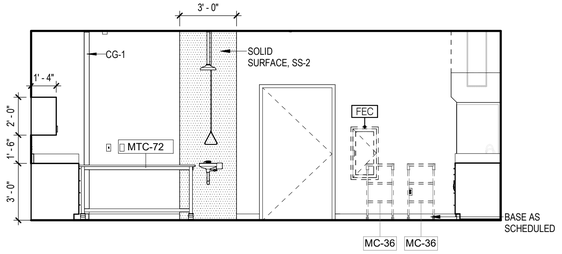
3 COC PREP 124 - EAST

1/4" = 1'-0"



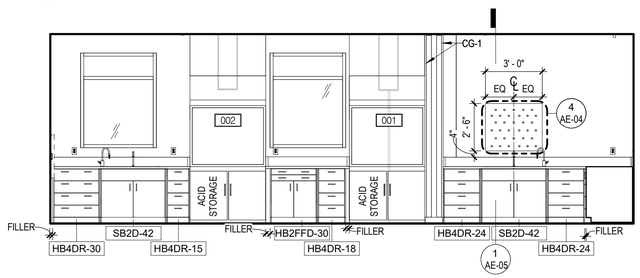
1 ENLARGED PLAN - COC PREP

1/4" = 1'-0"



4 COC PREP 124 - WEST

1/4" = 1'-0"



5 COC PREP 124 - NORTH

1/4" = 1'-0"

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

4' 0' 2' 4'

Designed by:	REVISION			
F. SANTORO	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by:				
R. SYMANSKI				

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ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-A-43
ENLARGED PLANS & ELEVATIONS

Contract: 1759
CAD File Name: A-43.DGN
Date: 01 / 14 / 2022
Sheet: 103 of 288

GENERAL NOTES - INTERIOR ELEVATIONS

1. REFER TO FINISH PLANS, FINISH LEGENDS, & SPECIFICATIONS FOR ADDITIONAL INFORMATION.

2. REFER TO EQUIPMENT PLANS FOR ADDITIONAL LAB CASEWORK AND LAB EQUIPMENT INFORMATION.

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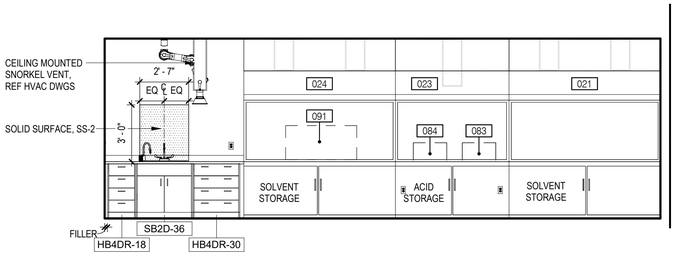
7. ALL LAB CASEWORK WITH EXPOSED CABINET FACES TO RECEIVE FINISHED SIDE AND/OR BACK PANELS.

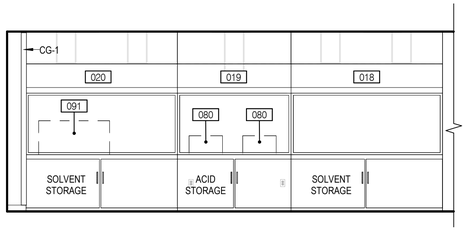
ELEVATION LEGEND

- LIGHT SWITCH
- DUPLEX
- FOURPLEX
- DATA
- CARD READER
- EVACUATION PUSH BUTTON
- FIRE ALARM PULL STATION
- CAMERA
- SPEAKER
- ACCESS PANEL



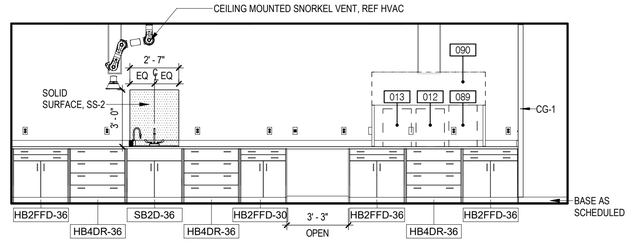
2 ORGANIC PREP 136 - WEST

1/4" = 1'-0"



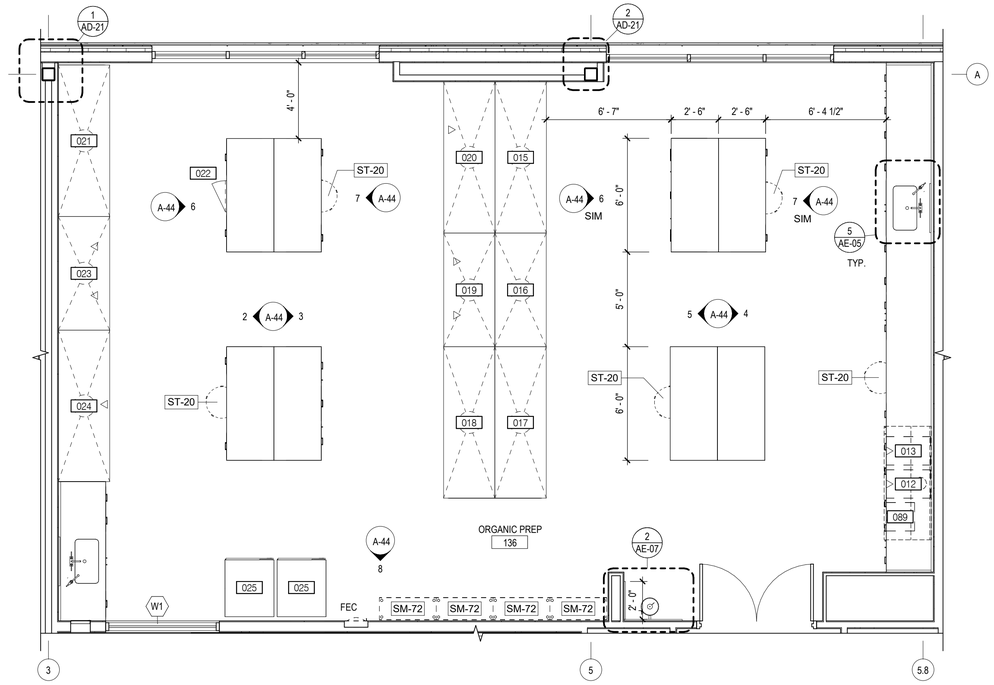
3 ORGANIC PREP 136 - EAST

1/4" = 1'-0"



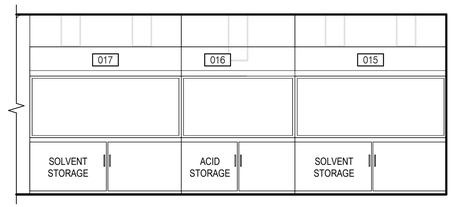
4 ORGANIC PREP 136 - EAST

1/4" = 1'-0"



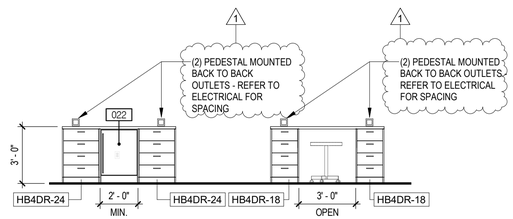
1 ENLARGED PLAN - ORGANIC PREP

1/4" = 1'-0"



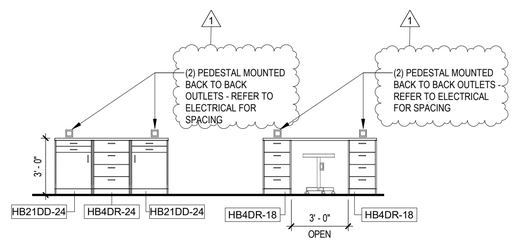
7 ORGANIC PREP 136 - ISLAND

1/4" = 1'-0"



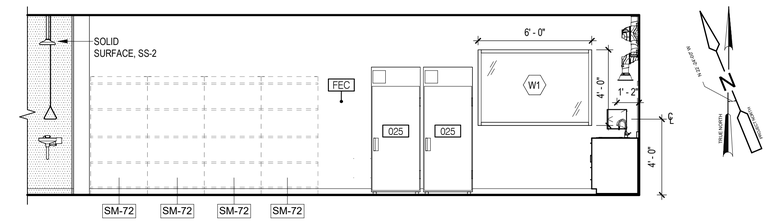
8 ORGANIC PREP 136 - SOUTH

1/4" = 1'-0"



5 ORGANIC PREP 136 - WEST

1/4" = 1'-0"



6 ORGANIC PREP 136 - ISLAND

1/4" = 1'-0"

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

4' 0' 2' 4'

Designed by:	REVISION			
F. SANTORO	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by:				
R. SYMANSKI				

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WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-A-44
ENLARGED PLANS & ELEVATIONS

Contract:	1759
CAD File Name:	A-44.DGN
Date:	01 / 14 / 2022
Sheet:	104 of 288

GENERAL NOTES - INTERIOR ELEVATIONS

1. REFER TO FINISH PLANS, FINISH LEGENDS, & SPECIFICATIONS FOR ADDITIONAL INFORMATION.

2. REFER TO EQUIPMENT PLANS FOR ADDITIONAL LAB CASEWORK AND LAB EQUIPMENT INFORMATION.

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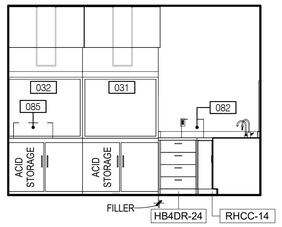
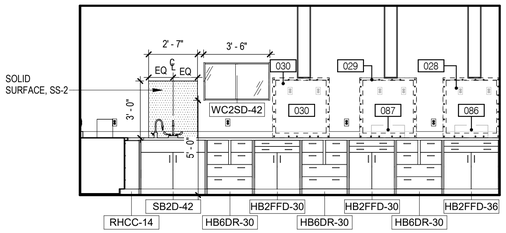
7. ALL LAB CASEWORK WITH EXPOSED CABINET FACES TO RECEIVE FINISHED SIDE AND/OR BACK PANELS.

ELEVATION LEGEND

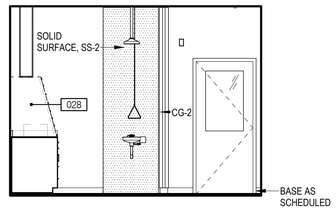
- LIGHT SWITCH
- DUPLEX
- FOURPLEX
- DATA
- CARD READER
- EVACUATION PUSH BUTTON
- FIRE ALARM PULL STATION
- CAMERA
- SPEAKER
- ACCESS PANEL



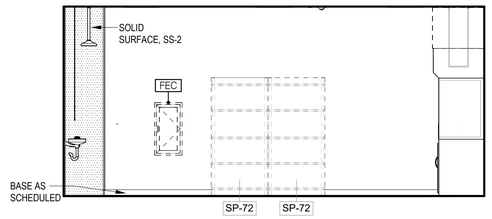
2 METAL PREP 140 - NORTH
1/4" = 1'-0"



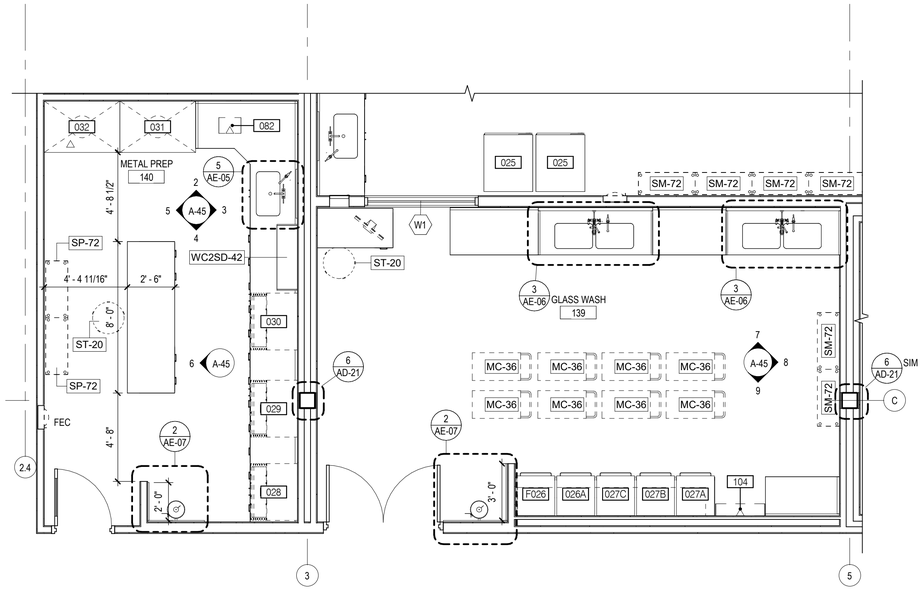
3 METAL PREP 140 - EAST
1/4" = 1'-0"



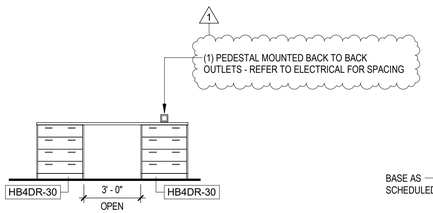
4 METAL PREP 140 - SOUTH
1/4" = 1'-0"



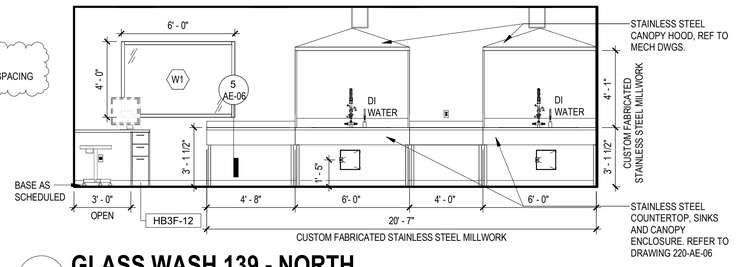
5 METAL PREP 140 - WEST
1/4" = 1'-0"



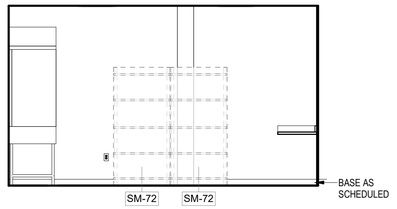
1 ENLARGED PLAN - METAL PREP / GLASS WASH
1/4" = 1'-0"



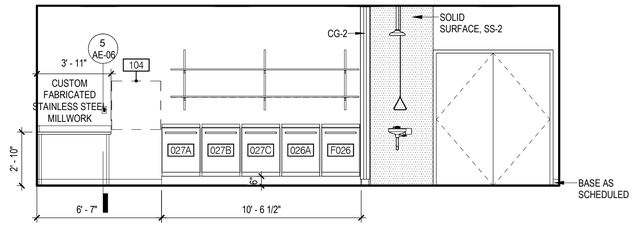
6 METAL PREP 140 - ISLAND
1/4" = 1'-0"



7 GLASS WASH 139 - NORTH
1/4" = 1'-0"



8 GLASS WASH 139 - EAST
1/4" = 1'-0"



9 GLASS WASH 139 - SOUTH
1/4" = 1'-0"

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

4' 0' 2' 4'

Designed by:	REVISION			
F. SANTORO	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by:				
R. SYMANSKI				

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ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-A-45
ENLARGED PLANS & ELEVATIONS

Contract:	1759
CAD File Name:	A-45.DGN
Date:	01 / 14 / 2022
Sheet:	105 of 288

GENERAL NOTES - INTERIOR ELEVATIONS

1. REFER TO FINISH PLANS, FINISH LEGENDS, & SPECIFICATIONS FOR ADDITIONAL INFORMATION.

2. REFER TO EQUIPMENT PLANS FOR ADDITIONAL LAB CASEWORK AND LAB EQUIPMENT INFORMATION.

3. REFER TO 220-A-00 FOR ADA / ANSI A117.1 MOUNTING HEIGHTS OF OPERABLE PARTS FOR ALL TOILET ACCESSORIES.

4. COORDINATE ALL POWER / DATA / BACK BOX ROUGH-INS WITH OWNER AT ALL DISPLAY / MONITOR MOUNTING LOCATIONS. ALL POWER / DATA / BACK BOXES ARE TO BE CONCEALED BEHIND DISPLAYS / MONITORS.

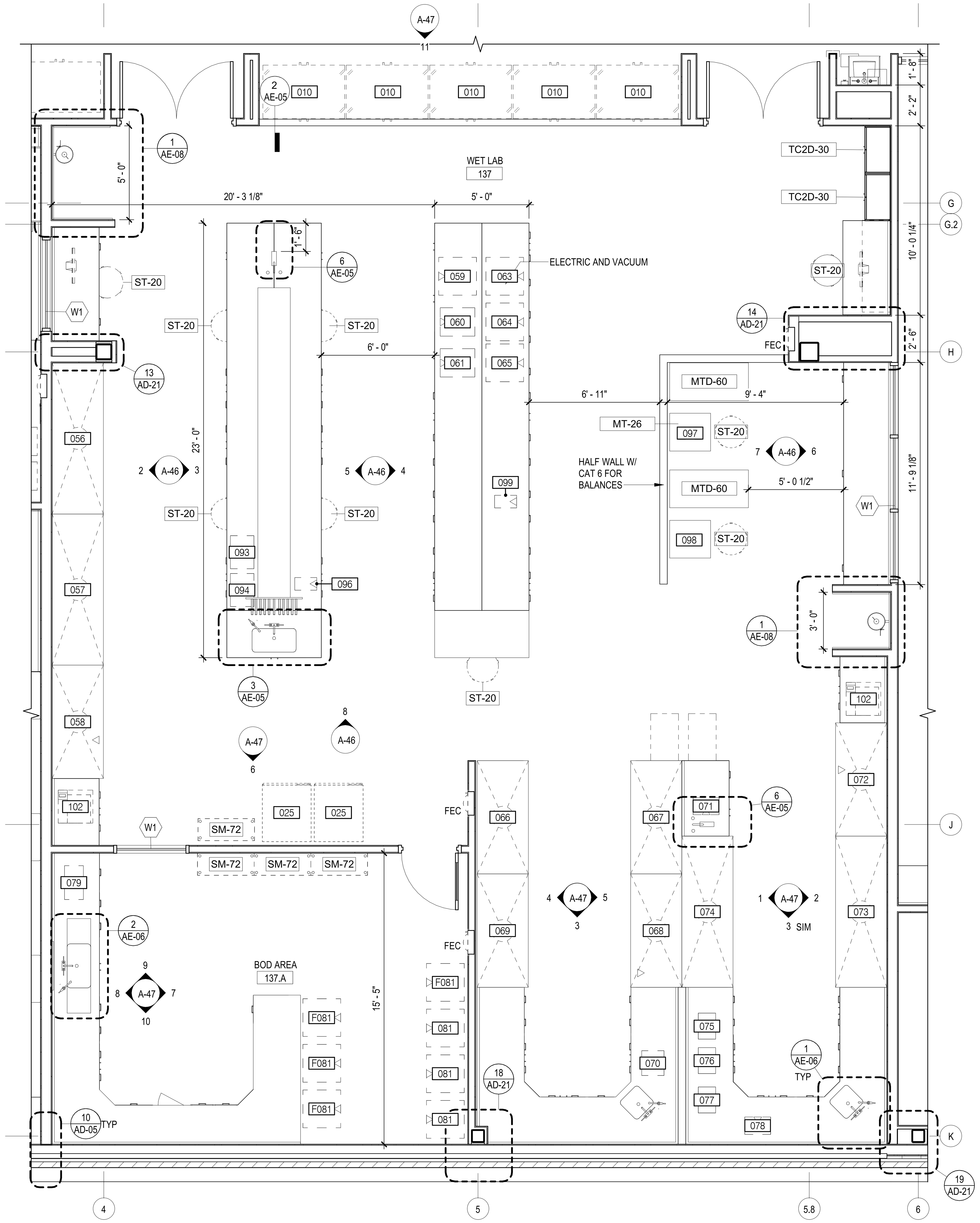
5. GC TO REFERENCE PLUMBING DRAWINGS FOR GC FURNISHED PLUMBING FIXTURES.

6. REFER TO FINISH PLANS FOR SCHEDULED COUNTERTOPS AND LAMINATES.

1 7. ALL LAB CASEWORK WITH EXPOSED CABINET FACES TO RECEIVE FINISHED SIDE AND/OR BACK PANELS.

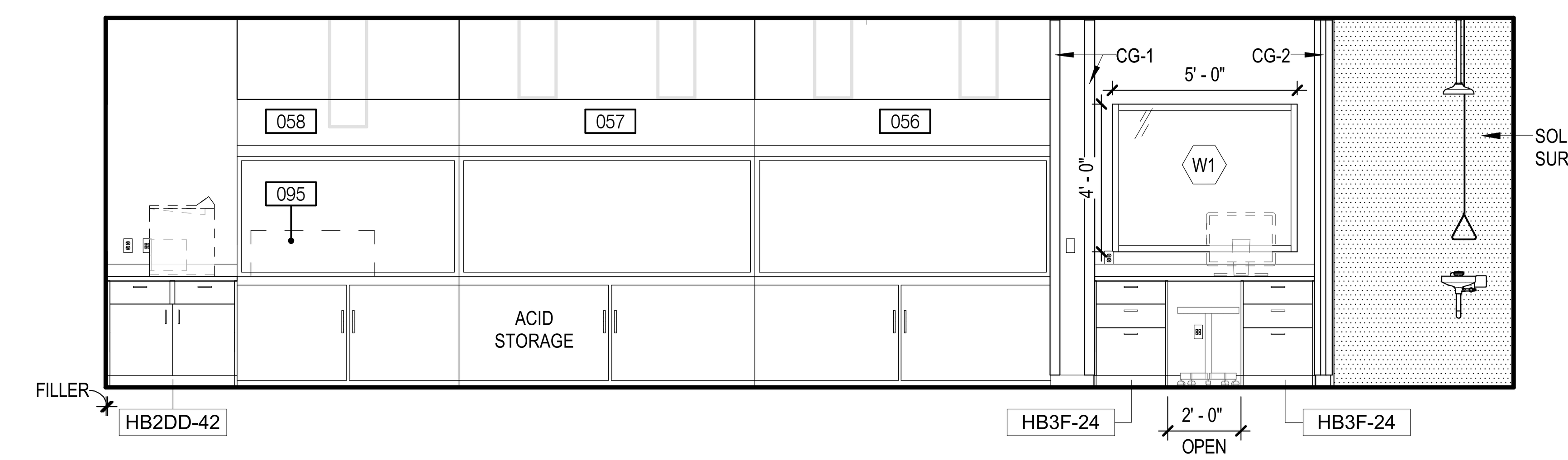
ELEVATION LEGEND

LIGHT SWITCH	CARD READER	SPEAKER
DUPLEX	EVACUATION PUSH BUTTON	ACCESS PANEL
FOURPLEX	FIRE ALARM PULL STATION	
DATA	CAMERA	



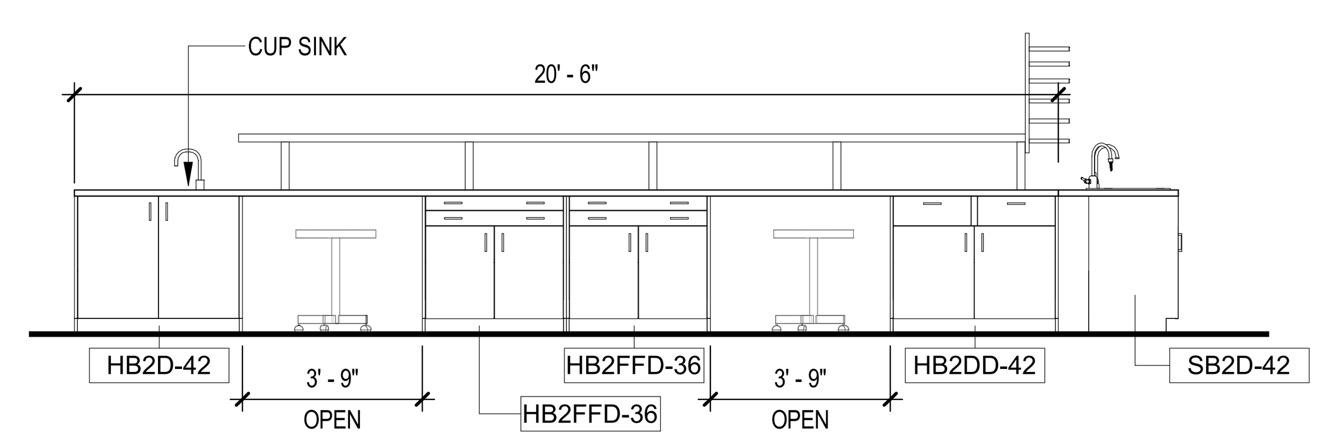
1 ENLARGED PLAN - WET LAB

1/4" = 1'-0"



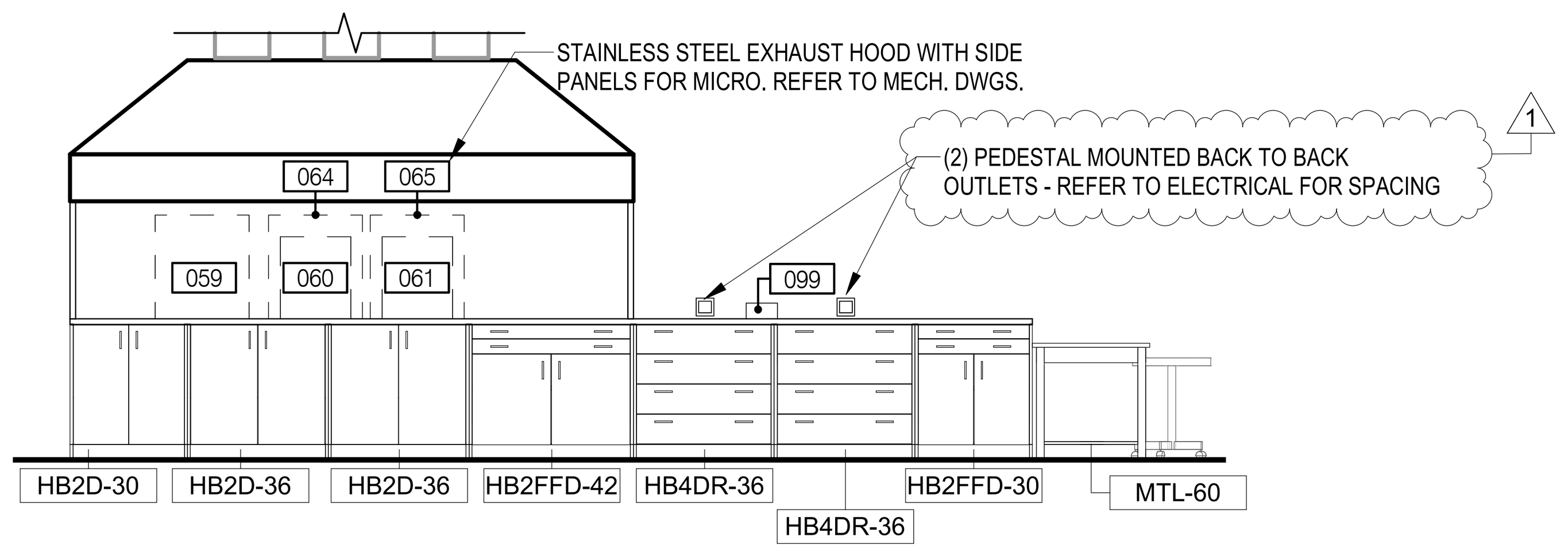
2 WET LAB 137 - WEST

1/4" = 1'-0"



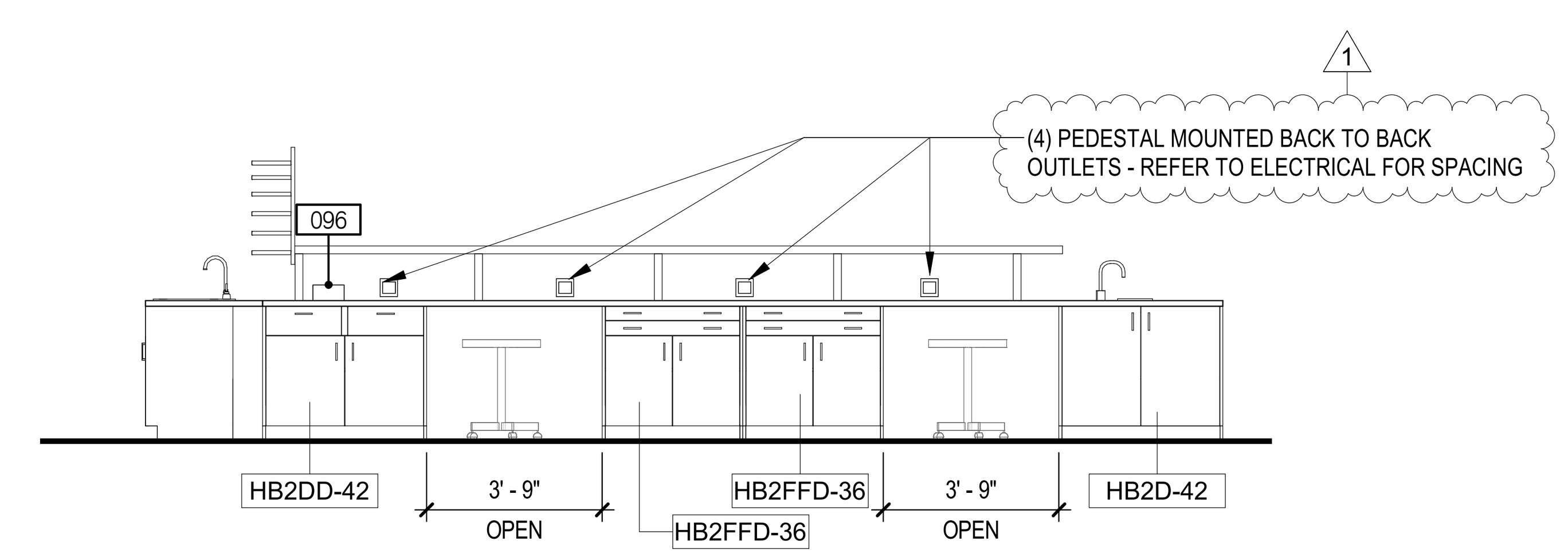
3 WET LAB 137 - ISLAND

1/4" = 1'-0"



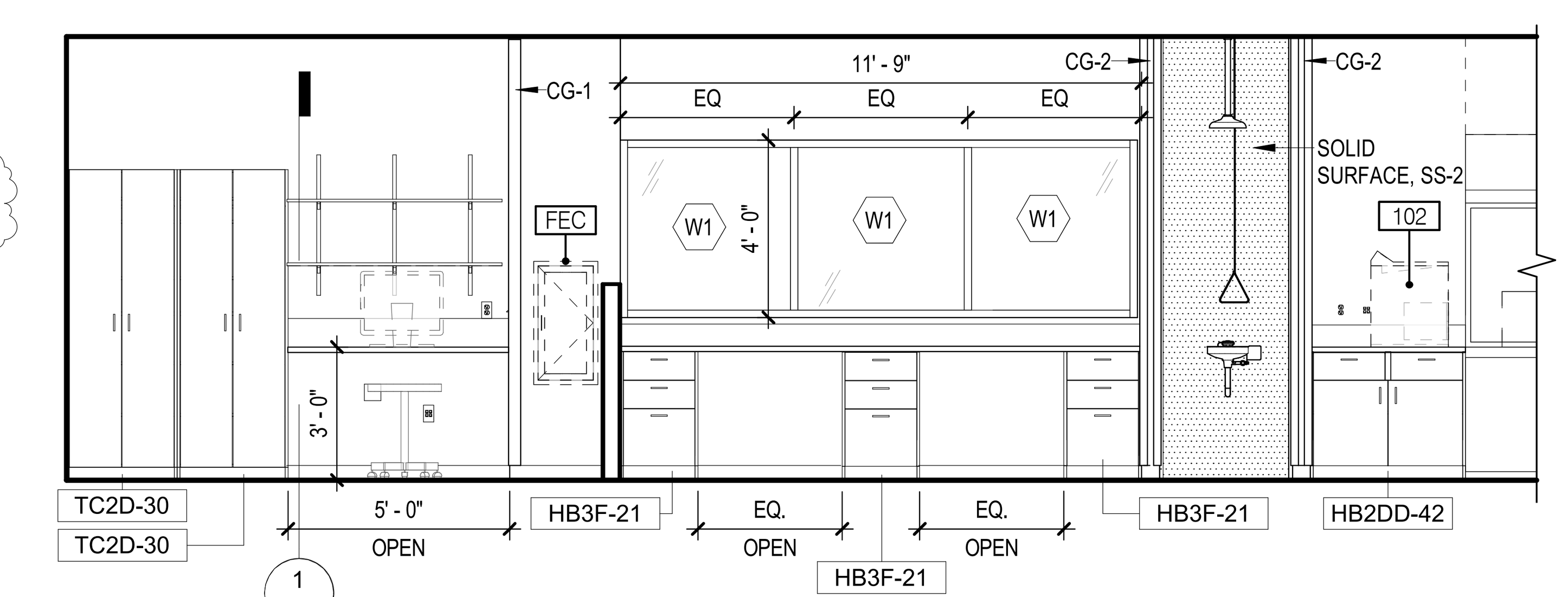
4 WET LAB 137 - ISLAND

1/4" = 1'-0"



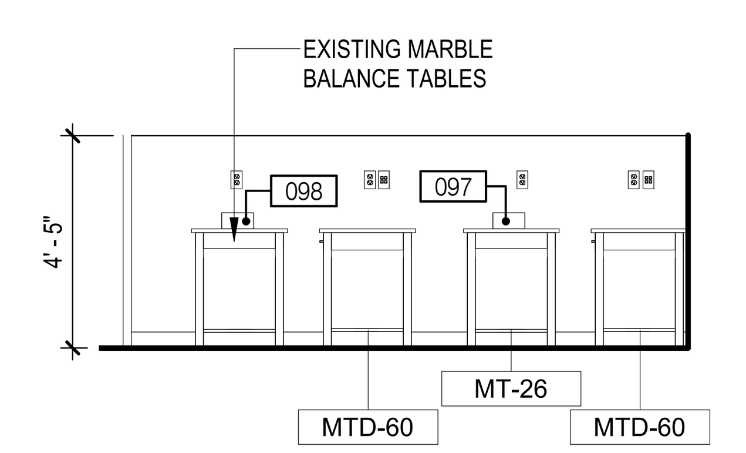
5 WET LAB 137 - ISLAND

1/4" = 1'-0"



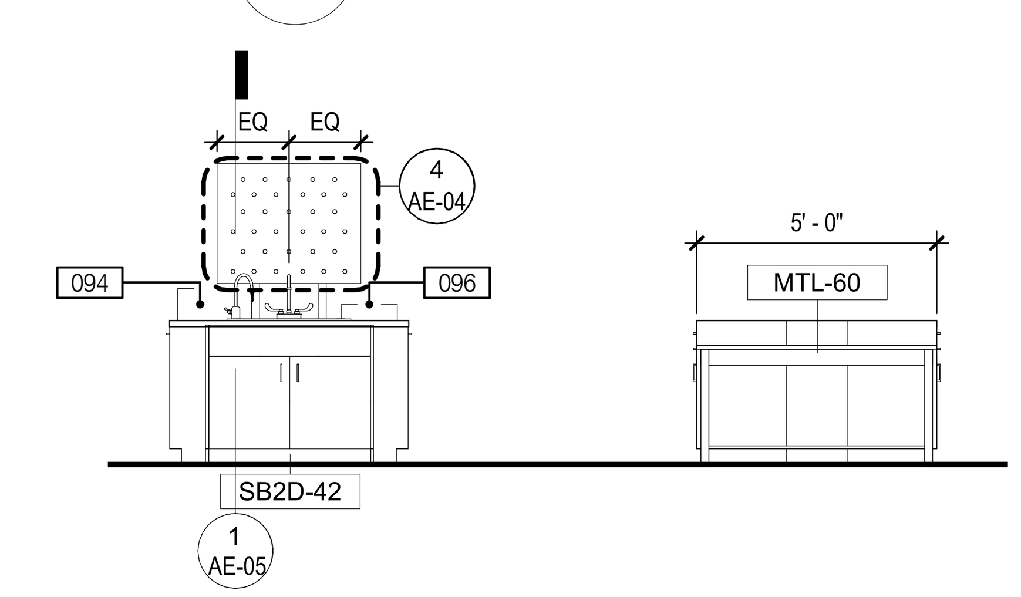
6 WET LAB 137 - EAST

1/4" = 1'-0"



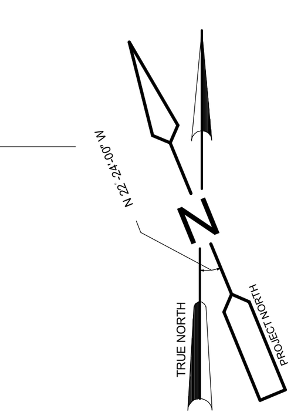
7 WET LAB 137 - BALANCE ALCOVE

1/4" = 1'-0"



8 WET LAB 137 - ISLAND

1/4" = 1'-0"



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

4' 0' 2' 4'

Designed by:	
F. SANTORO	
Drawn by:	
C. CAMPBELL	
Checked by:	
R. SYMANSKI	

REVISION			
REV No.	DATE	DESCRIPTION	APPV
1	3/24/22	ADDENDUM 2	1

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ALLEGHENY COUNTY SANITARY AUTHORITY
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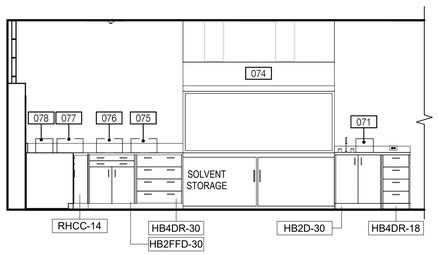
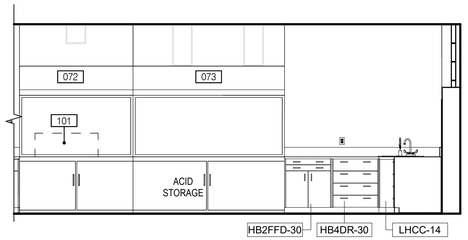
220-A-46
ENLARGED PLANS & ELEVATIONS

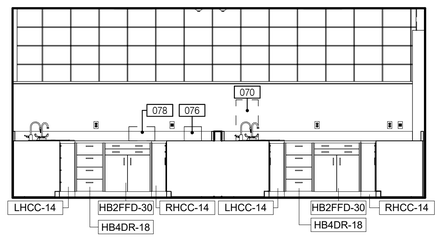
Contract:	1759
CAD File Name:	A-46.DGN
Date:	01 / 14 / 2022
Sheet:	106 of 288



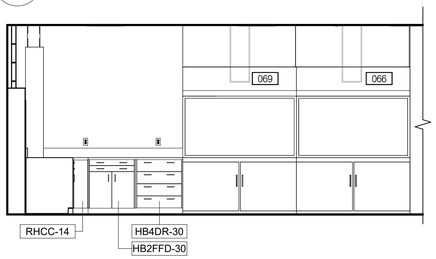
1 WET LAB 137 - WEST
1/4" = 1'-0"



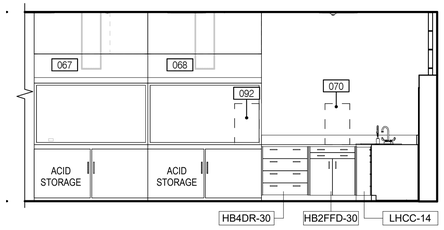
2 WET LAB 137 - EAST
1/4" = 1'-0"



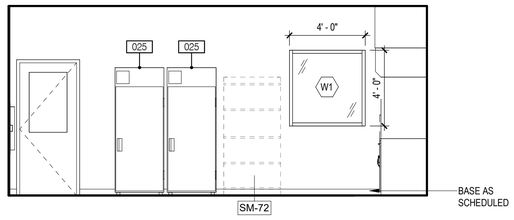
3 WET LAB 137 - SOUTH
1/4" = 1'-0"



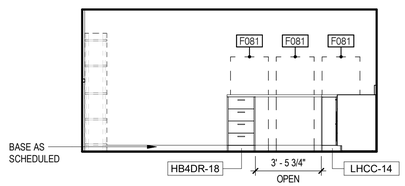
4 WET LAB 137 - WEST
1/4" = 1'-0"



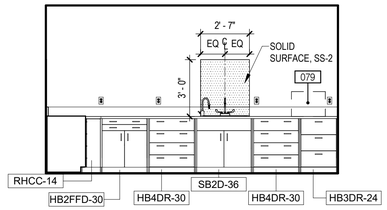
5 WET LAB 137 - EAST
1/4" = 1'-0"



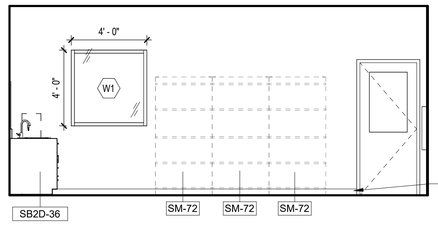
6 WET LAB 137 - SOUTH ELEVATION
1/4" = 1'-0"



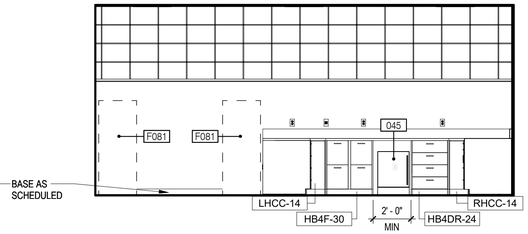
7 BOD 137.A - EAST
1/4" = 1'-0"



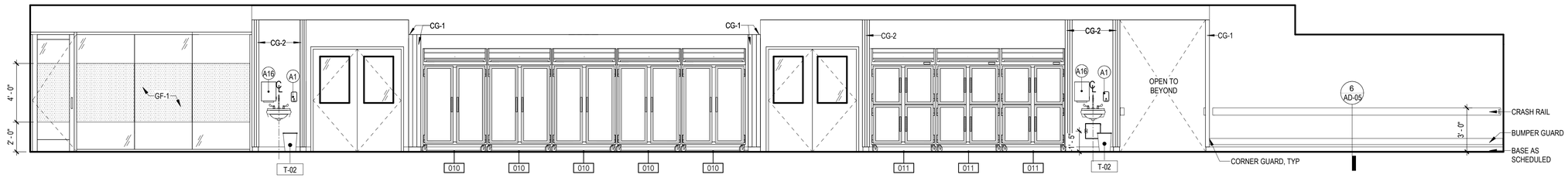
8 BOD 137.A - WEST
1/4" = 1'-0"



9 BOD 137.A - NORTH
1/4" = 1'-0"



10 BOD 137.A - SOUTH
1/4" = 1'-0"



11 CORRIDOR 132 - SOUTH
1/4" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

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7. ALL LAB CASEWORK WITH EXPOSED CABINET FACES TO RECEIVE FINISHED SIDE AND/OR BACK PANELS.

ACCESSORY SCHEDULE (A8)

#	TYPE	MANUFACT.	PRODUCT #	MOUNT TYPE	OF	CF	OI	CI	REMARKS
A1	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111	SURFACE		X		X	
A2	18" GRAB BAR	BOBRICK	B-5806.99x18	SURFACE		X		X	
A3	36" GRAB BAR	BOBRICK	B-6806x36" SST SATIN	SURFACE		X		X	
A4	42" GRAB BAR	BOBRICK	B-6806x42" SST SATIN	SURFACE		X		X	
A5	SINGLE JUMBO ROLL SURFACE MOUNTED TOILET TISSUE DISPENSER	BOBRICK	B-2890	SURFACE		X		X	
A6	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-254	SURFACE		X		X	
A7	RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE	BOBRICK	B-36903	RECESSED		X		X	
A8	HEAVY DUTY DOUBLE TIER LOCKERS	LYON	-	FLOOR		X		X	
A9	MIRROR (24 X 42)	BRADLEY	781-1836	SURFACE		X		X	CENTER ON SINK
A10	COAT HOOK	BOBRICK	B-7671	SURFACE		X		X	CENTER WIDTH WISE ON DOORS
A11	MIRROR (18" X 36")	BRADLEY	781-1860	SURFACE		X		X	
A12	ADA BENCH	HOLLMAN	OSLO	SURFACE		X		X	SOLID SURFACE SEAT
A13	REVERSIBLE SOLID PHENOLIC FOLDING SHOWER SEAT	BOBRICK		SURFACE		X		X	
A14	42" GRAB BAR	BOBRICK	B-6806x42" SST SATIN						
A15	SHOWER CURTAIN ROD WITH CONCEALED MOUNTING	BOBRICK	B-207	SURFACE		X		X	
A16	PAPER TOWEL DISPENSER	BOBRICK	B-4262	SURFACE		X		X	
A17	SHELF WITH MOP AND BROOM HOLDERS AND HOOKS	BOBRICK	B-239	SURFACE		X		X	
A18	SHOWER CURTAIN	BOBRICK	204	SURFACE		X		X	

ELEVATION LEGEND

- LIGHT SWITCH
- DUPLEX
- FOURPLEX
- DATA
- CARD READER
- EVACUATION PUSH BUTTON
- FIRE ALARM PULL STATION
- CAMERA
- SPEAKER
- ACCESS PANEL

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

4' 0' 2' 4'

Designed by: F. SANTORO	REVISION		
Drawn by: C. CAMPBELL	REV No.	DATE	DESCRIPTION / APPV
Checked by: R. SYMANSKI	1	3/24/22	ADDENDUM 2 / 1

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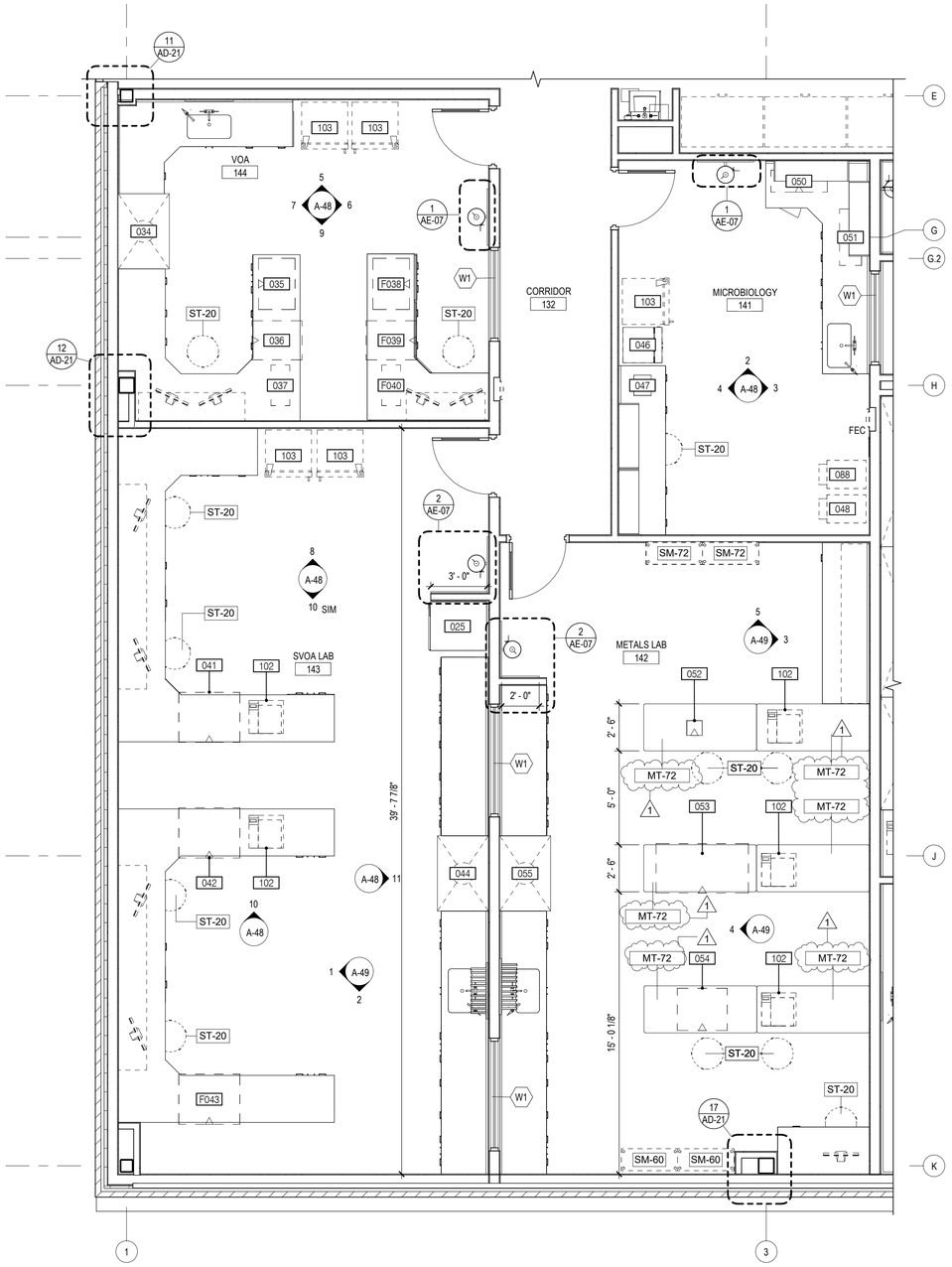
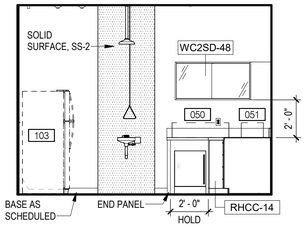
220-A-47
ENLARGED PLANS & ELEVATIONS

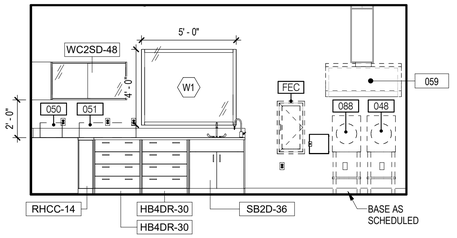
Contract: 1759
CAD File Name: A-47.DGN
Date: 01 / 14 / 2022
Sheet: 107 of 288



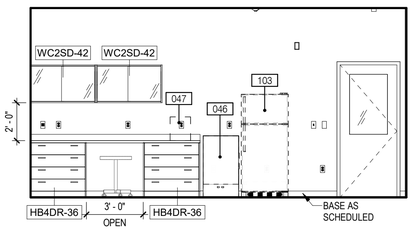
1 ENLARGED PLAN -INSTRUMENT LABS
1/4" = 1'-0"



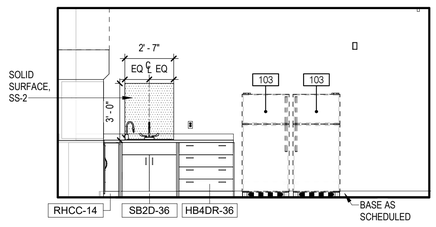
2 MICROBIOLOGY 141 - NORTH
1/4" = 1'-0"



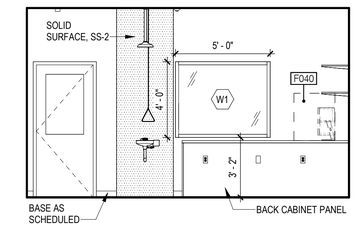
3 MICROBIOLOGY 141 - EAST
1/4" = 1'-0"



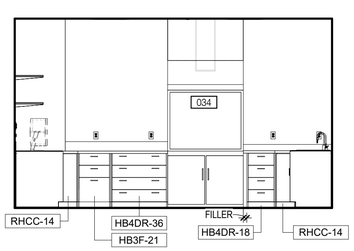
4 MICROBIOLOGY 141 - WEST
1/4" = 1'-0"



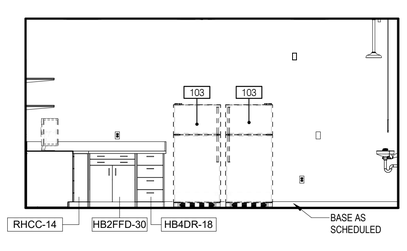
5 VOA 144 - NORTH
1/4" = 1'-0"



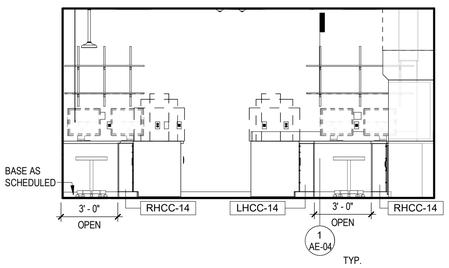
6 VOA 144 - EAST
1/4" = 1'-0"



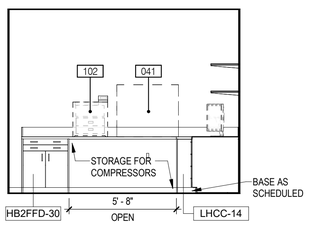
7 VOA 144 - WEST
1/4" = 1'-0"



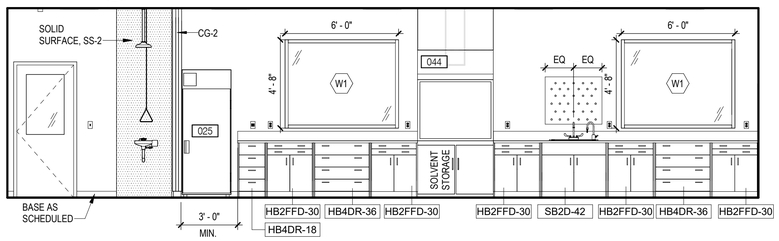
8 SVOA 143 - NORTH
1/4" = 1'-0"



9 VOA 144 - SOUTH
1/4" = 1'-0"



10 SVOA 143- SOUTH
1/4" = 1'-0"



11 SVOA 143 - EAST
1/4" = 1'-0"

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

4' 0' 2' 4'

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- EVACUATION PUSH BUTTON
- FIRE ALARM PULL STATION
- CAMERA
- SPEAKER
- ACCESS PANEL

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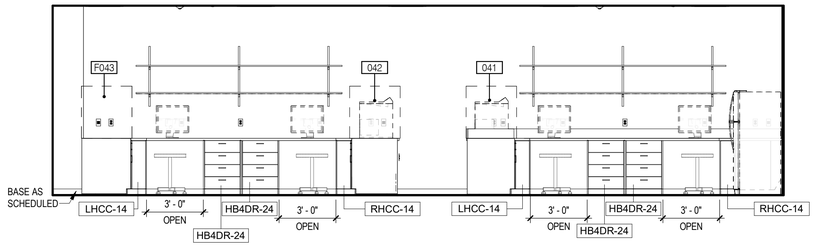
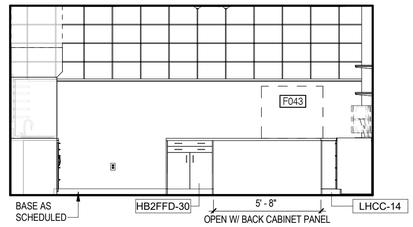
ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-A-48
ENLARGED PLANS & ELEVATIONS

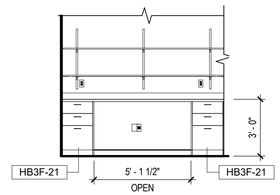
Contract:	1759
CAD File Name:	A-48.DGN
Date:	01 / 14 / 2022
Sheet:	108 of 288



1 SVOA 143 - WEST
1/4" = 1'-0"



2 SVOA 143 - SOUTH
1/4" = 1'-0"



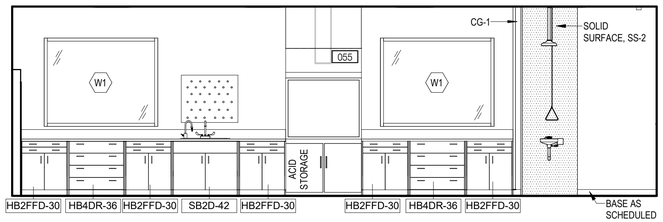
3 METALS LAB 142 - EAST
1/4" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

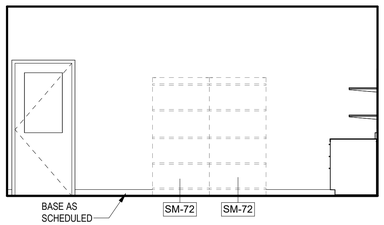
1. REFER TO FINISH PLANS, FINISH LEGENDS, & SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO EQUIPMENT PLANS FOR ADDITIONAL LAB CASEWORK AND LAB EQUIPMENT INFORMATION.
3. REFER TO 220-A-00 FOR ADA / ANSI A117.1 MOUNTING HEIGHTS OF OPERABLE PARTS FOR ALL TOILET ACCESSORIES.
4. COORDINATE ALL POWER / DATA / BACK BOX ROUGH-INS WITH OWNER AT ALL DISPLAY / MONITOR MOUNTING LOCATIONS. ALL POWER / DATA / BACK BOXES ARE TO BE CONCEALED BEHIND DISPLAYS / MONITORS.
5. GC TO REFERENCE PLUMBING DRAWINGS FOR GC FURNISHED PLUMBING FIXTURES.
6. REFER TO FINISH PLANS FOR SCHEDULED COUNTERTOPS AND LAMINATES.
7. ALL LAB CASEWORK WITH EXPOSED CABINET FACES TO RECEIVE FINISHED SIDE AND/OR BACK PANELS.

ELEVATION LEGEND

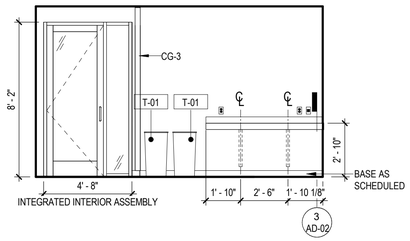
- LIGHT SWITCH
- DUPLEX
- FOURPLEX
- DATA
- CARD READER
- EVACUATION PUSH BUTTON
- FIRE ALARM PULL STATION
- CAMERA
- SPEAKER
- ACCESS PANEL



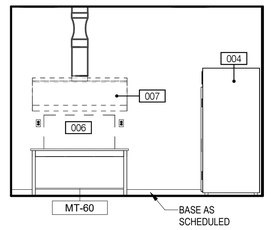
4 METALS LAB 142 - WEST
1/4" = 1'-0"



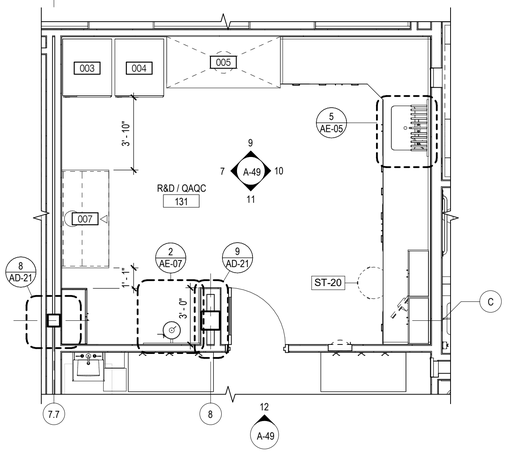
5 METALS LAB 142 - NORTH
1/4" = 1'-0"



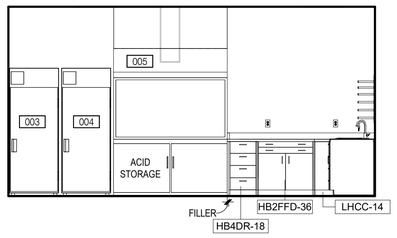
6 LAB ANALYST 116 - SOUTH
1/4" = 1'-0"



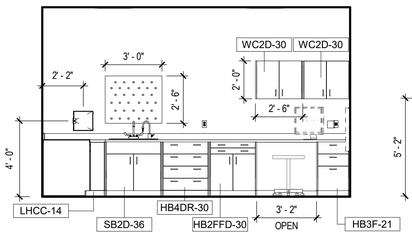
7 R&D / QAQC 131 - WEST
1/4" = 1'-0"



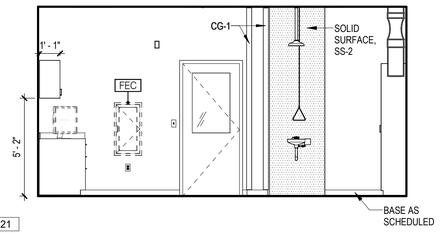
8 ENLARGED PLAN - R&D / QAQC
1/4" = 1'-0"



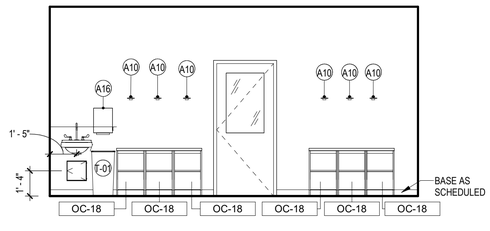
9 R&D / QAQC 131 - NORTH
1/4" = 1'-0"



10 R&D / QAQC 131 - EAST
1/4" = 1'-0"



11 R&D / QAQC 131 - SOUTH
1/4" = 1'-0"



12 ANTE 130 - NORTH
1/4" = 1'-0"

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

4' 0' 2' 4'

Designed by:	REVISION			
F. SANTORO	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by:				
R. SYMANSKI				

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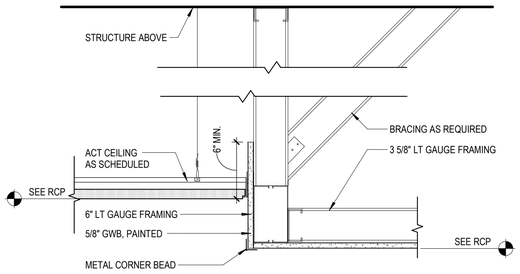
ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

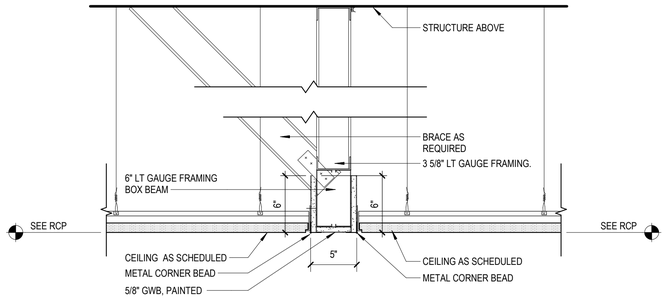
220-A-49
ENLARGED PLANS & ELEVATIONS

Contract:	1759
CAD File Name:	A-49.DGN
Date:	01 / 14 / 2022
Sheet:	109 of 288



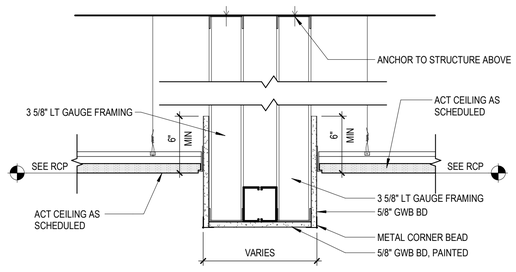
1 DETAIL - ACT TO GWB BULKHEAD

1 1/2" = 1'-0"



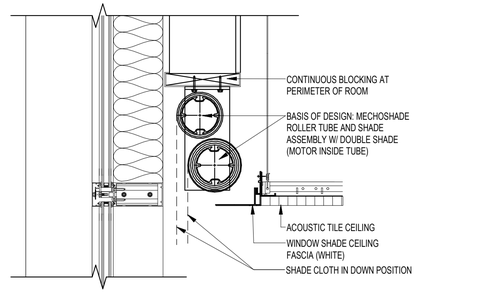
2 DETAIL - TYP GWB BULKHEAD

1 1/2" = 1'-0"



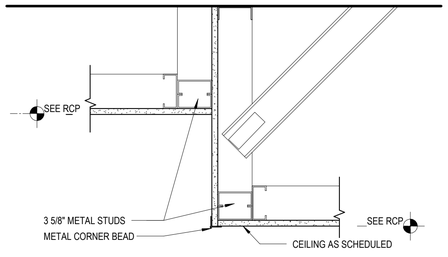
3 DETAIL - GWB BULKHEAD

1 1/2" = 1'-0"



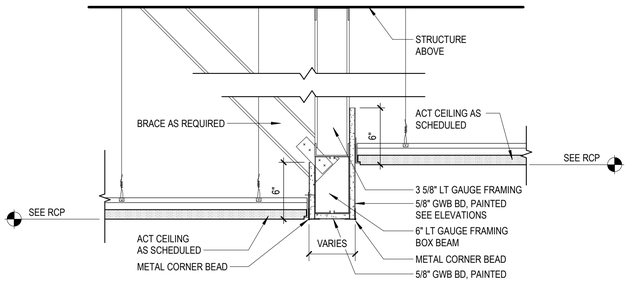
4 DETAIL - DUAL WINDOW SHADE

1 1/2" = 1'-0"



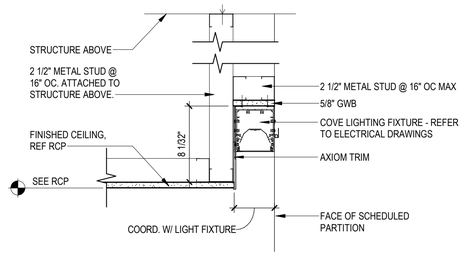
5 DETAIL - GWB BULKHEAD @ GWB CLG

1 1/2" = 1'-0"



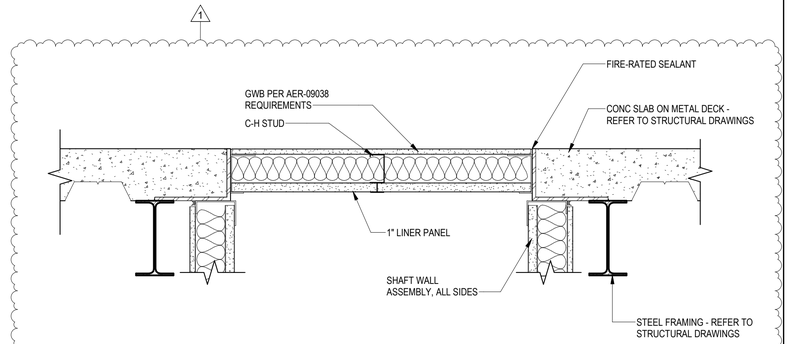
6 DETAIL - GWB BULKHEAD @ ACT

1 1/2" = 1'-0"



7 DETAIL - PERIMETER LIGHT @ GWB CLG

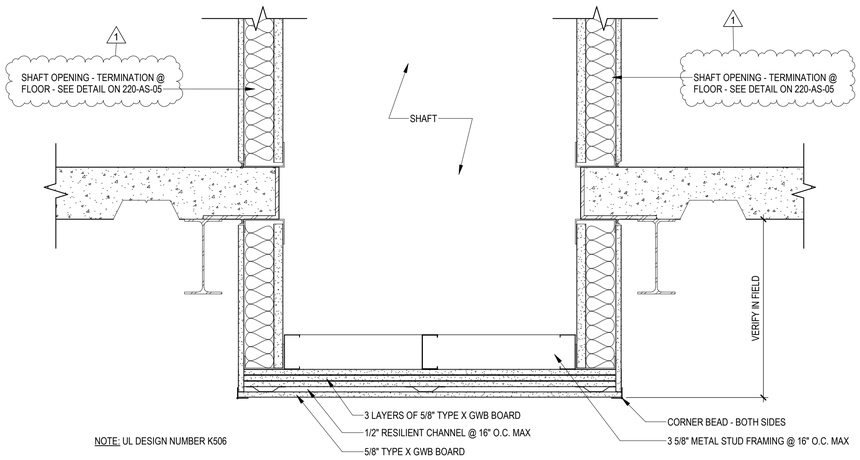
1 1/2" = 1'-0"



NOTE: TOP OF SHAFT MEMBRANE ENCLOSURE DESIGN AER-09038

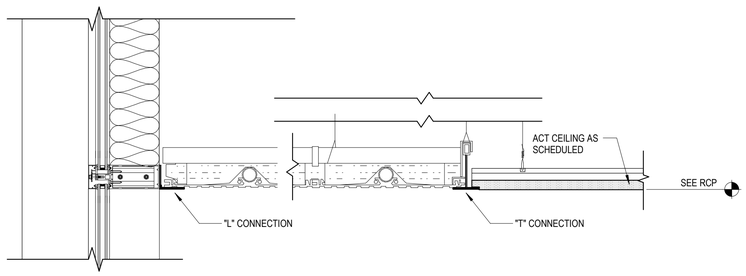
8 CEILING MEMBRANE ENCLOSURE

1 1/2" = 1'-0"



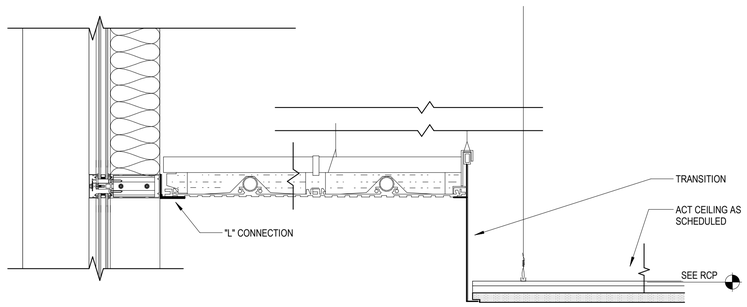
9 CEILING MEMBRANE ENCLOSURE

1 1/2" = 1'-0"



10 DETAIL - RADIANT PANEL

1 1/2" = 1'-0"



11 DETAIL - RADIANT PANEL @ ACT

1 1/2" = 1'-0"

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

.5' 0' .5' 1'

Designed by:	REVISION			
F. SANTORO	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by:				
R. SYMANSKI				

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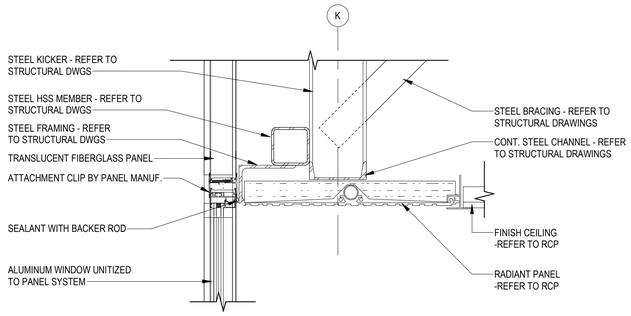
ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

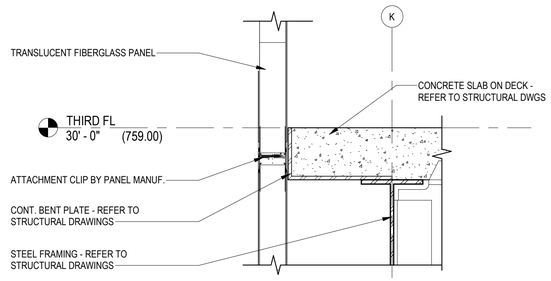
220-AD-04
DETAILS - CEILING

Contract:	1759
CAD File Name:	AD-04.DGN
Date:	01 / 14 / 2022
Sheet:	123 of 288



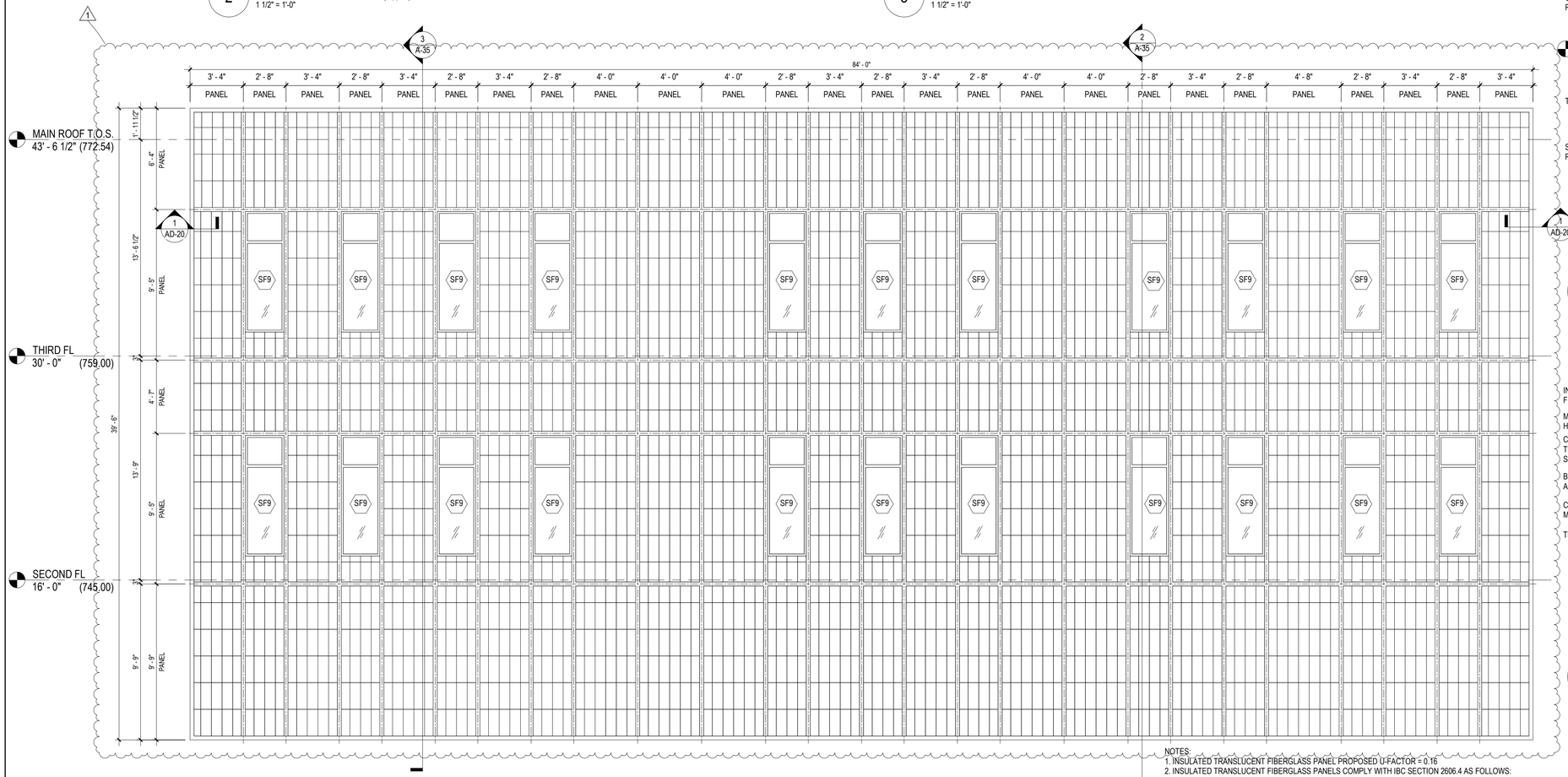
2 WINDOW HEAD AT TRANSLUCENT FIBERGLASS PANEL

1 1/2" = 1'-0"



3 TRANSLUCENT FIBERGLASS PANEL AT SLAB EDGE

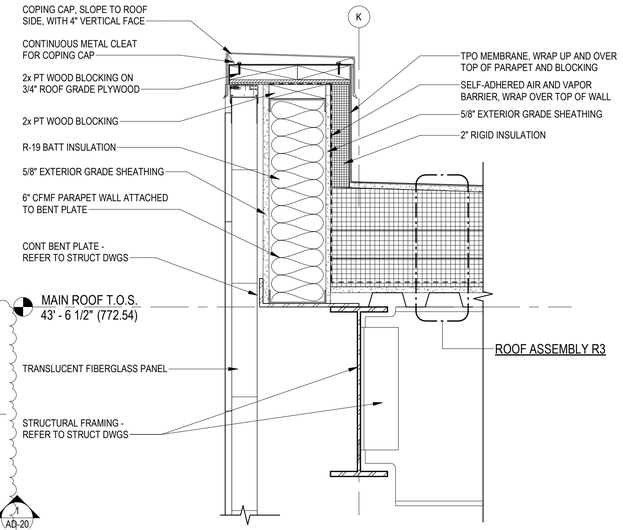
1 1/2" = 1'-0"



NOTES:
1. INSULATED TRANSLUCENT FIBERGLASS PANEL PROPOSED U-FACTOR = 0.16
2. INSULATED TRANSLUCENT FIBERGLASS PANELS COMPLY WITH IBC SECTION 2606.4 AS FOLLOWS:
   - IGNITION TEMPERATURE OF 650 DEGREES (F) OR GREATER IN ACCORDANCE WITH ASTM D1929
   - SMOKE-DEVELOPED INDEX NOT GREATER THAN 450 IN ACCORDANCE WITH ASTM E84 OR UL 723
   - CLASS CC1 PLASTIC MATERIAL WITH A BURNING EXTENT OF 1 INCH OR LESS IN ACCORDANCE WITH ASTM D635

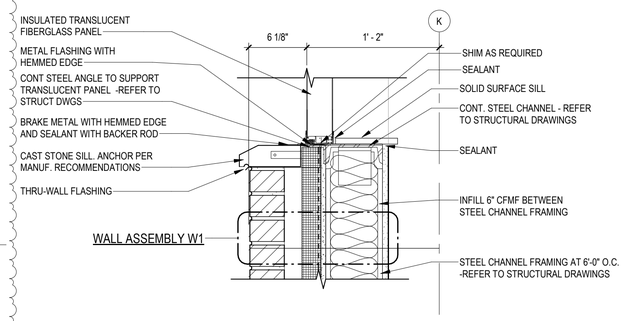
1 ELEVATION DETAIL

1/4" = 1'-0"



4 TRANSLUCENT FIBERGLASS PANEL PARAPET

1 1/2" = 1'-0"



5 SILL AT TRANSLUCENT FIBERGLASS PANEL

1 1/2" = 1'-0"

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

4' 0' 2' 4'

Designed by: F. SANTORO	REVISION			
	REV No.	DATE	DESCRIPTION	APPV
Drawn by: S. BUCHA				
	1	3/24/22	ADDENDUM 2	1
Checked by: R. SYMANSKI				

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alcosan allegheny county sanitary authority
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ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-AD-11
DETAILS - TRANSLUCENT FIBERGLASS PANELS

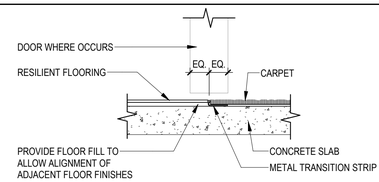
Contract:	1759
CAD File Name:	AD-11.DGN
Date:	01 / 14 / 2022
Sheet:	130 of 288

FINISH SCHEDULE

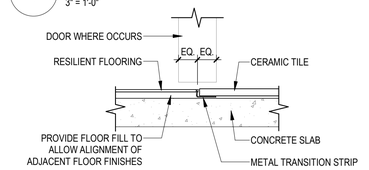
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING MATERIAL	COMMENTS
FIRST FL						
100	VESTIBULE	WO-1	RB-1	PT-1	GWB	
100.1	VESTIBULE	CONC.	RB-1	PT-1	1 EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
101	LOBBY	CTF-1	CTB-1	PT-1	ACT-2/GWB	
101A	LAUNDRY	SV-1	SVB-1	PT-1	ACT-1	
102	RESTROOM	CTF-1	CTB-1	CTW-1	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
103	CLERK	CPT-3	RB-2	PT-1	ACT-1	
105	ADMIN SUITE	CPT-2	RB-1	PT-1	ACT-1	
106	ADMIN OFFICE	CPT-3	RB-2	PT-1	ACT-1 1	
107	STORAGE	CPT-3	RB-2	PT-1	ACT-1	
108	CORRIDOR	CPT-1	RB-1	PT-1	ACT-1	
108.A	ELEC CLOSET	CONC.	RB-1	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
109	JANITOR	SV-1	SVB-1	PT-1	ACT-1	
110	MENS	CTF-1	CTB-1	CTW-1/CTW-3	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
110.A	LOCKERS	CTF-1	CTB-1	CTW-1	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
110.B	SHOWERS	CTF-2	CTB-1	CTW-2	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
111	WOMENS	CTF-1	CTB-1	CTW-1/CTW-3	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
111.A	LOCKERS	CTF-1	CTB-1	CTW-1	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
111.B	SHOWERS	CTF-2	CTB-1	CTW-2	GWB 1	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
112	STAFF BREAK	LVT-1	RB-1	PT-1/CTW-3	ACT-1/GWB	PAINT GWB SURROUNDING CASEWORK PT-2
113	TECH OFFICE	CPT-3	RB-2	PT-1	ACT-1	
114	QA/QC OFFICE	CPT-3	RB-2	PT-1	ACT-1	
115	OPS OFFICE	CPT-3	RB-2	PT-1	ACT-1	
116	LAB ANALYST	CPT-2	RB-1	PT-1	ACT-1	
119	VESTIBULE	WO-1	RB-1	PT-1	ACT-1	
120	SAMPLE DROP-OFF	RES-1	RB-1	PT-1	ACT-1	
121	IW PREP & STORAGE	RES-1	RB-1	PT-1	ACT-1	
122	CLEAN STORAGE	RES-1	RB-1	PT-1	ACT-1	
123	CART STORAGE	RES-1	RB-1	PT-1	ACT-1	
124	COC PREP	RF-1	RB-1	PT-1	ACT-3	
125	STORAGE	RES-1	RB-1	PT-1	ACT-1	
130	ANTE	RES-1	RB-1	PT-1	ACT-1	
131	R&D / QAQC	RF-1	RB-1	PT-1	ACT-3	
132	CORRIDOR	RES-1	RESB-1	PT-1	ACT-1	
133	COOLER ALCOVE	RES-1	RESB-1	PT-1	ACT-1	
135	COOLER ALCOVE	RES-1	RESB-1	PT-1	ACT-1	
136	ORGANIC PREP	RF-1, RF-2	RB-1	PT-1	ACT-3	
137	WET LAB	RF-1, RF-2	RB-1	PT-1	ACT-3	
137.A	BOD AREA	RF-1	RB-1	PT-1	ACT-3	
139	GLASS WASH	RF-1	RB-1	PT-1	GWB	
140	METAL PREP	RF-1	RB-1	PT-1	GWB	
141	MICROBIOLOGY	RF-1	RB-1	PT-1	ACT-3 1	
142	METALS LAB	RF-1, RF-2	RB-1	PT-1	ACT-3	
143	SVOA LAB	RF-1, RF-2	RB-1	PT-1	ACT-3	
144	VOA	RF-1	RB-1	PT-1	GWB	
150	GAS	CONC.	RB-1	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
151	WASTE	CONC.	RB-1	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
152	WATER SERVICE	CONC.	RB-1	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
153	UTILITY	CONC.	RB-1	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
153A	JANITOR	SV-1	RB-1	PT-1	ACT-1	
154	ELECTRICAL	CONC.	RB-1	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
E1-1	ELEV	LVT-1	-	-	-	SEE SPECIFICATIONS FOR CAB FINISHES
E2-1	SERVICE ELEV	LVT-1	-	-	-	SEE SPECIFICATIONS FOR CAB FINISHES
S1-1	STAIR	CONC.	RB-1	PT-1	N/A	
S2-1	STAIR	CONC.	RB-1	PT-1	N/A	
SECOND FL						
201	LOBBY	CTF-1	CTB-1	PT-1	ACT-2	
201A	LOUNGE	CPT-1	RB-1	PT-1	GWB	
202	CLASSROOM	CPT-1	RB-1	PT-1	ACT-1	
203	CLASSROOM	CPT-1	RB-1	PT-1	ACT-1	
204	MEDIUM CONF	CPT-1	RB-1	PT-1	ACT-1 1	
205	SECRETARY	CPT-3	RB-2	PT-1	ACT-1	
206	WOMEN'S	CTF-1	CTB-1	CTW-1/CTW-3	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
207	MEN'S	CTF-1	CTB-1	CTW-1/CTW-3	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
208	WELLNESS	LVT-1	RB-1	PT-1	ACT-1	
209	STOR	SV-1	SVB-1	PT-1	ACT-1	
210	WORK ROOM	LVT-1	RB-1	PT-1	ACT-1 1	
211	ENVIRONMENTAL AUDITOR	CPT-3	RB-2	PT-1	ACT-1	
212	ENVIRONMENTAL CLERK	CPT-3	RB-2	PT-1	ACT-1	
213	ENVIRONMENTAL DIRECTOR	CPT-3	RB-2	PT-1	ACT-1	
214	MEDIUM CONF	CPT-1	RB-1	PT-1	ACT-1	
215	FILES	SV-1	RB-1	PT-1	ACT-1 1	
216	RESIDUAL MANAGER	CPT-3	RB-2	PT-1	ACT-1	
217	OFFICE	CPT-3	RB-2	PT-1	ACT-1	
219	RESIDUAL SPECIALIST	CPT-3	RB-2	PT-1	ACT-1	
220	RESIDUAL MANAGER	CPT-3	RB-2	PT-1	ACT-1	
221	COPY / PRINT	CPT-3	RB-2	PT-1	ACT-1 1	
222	STAFF BREAK	LVT-1	RB-1	PT-1/CTW-3	ACT-1/GWB	PAINT GWB SURROUNDING CASEWORK PT-2
223	WOMENS	CTF-1	CTB-1	CTW-1	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
223A	LOCKERS	CTF-1	CTB-1	CTW-1	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
223B	SHOWERS	CTF-2	CTB-1	CTW-1	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
224	JANITORS	SV-1	SVB-1	PT-1	ACT-1	
225	MENS	CTF-1	CTB-1	CTW-1	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
225A	LOCKERS	CTF-1	CTB-1	CTW-1	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
225B	SHOWERS	CTF-2	CTB-1	CTW-1	GWB	REFER TO SHEET A220- A-50 AND A220-A-51 FOR TYPICAL TILE PATTERNS
226	IT CLOSET	SDT-1	RB-1	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
227	RESIDUAL STOR	SV-1	SVB-1	PT-1	ACT-1	
228	ENVIRONMENTAL STOR	SV-1	SVB-1	PT-1	ACT-1	
229	OUTDOOR STOR	CONC.	RB-1	PT-1	ACT-1	
230	LOUNGE	CPT-1	RB-1	PT-1	ACT-2	
231	IW STOR	CPT-3	RB-2	PT-1	ACT-1 1	
232	IW MANAGER	CPT-3	RB-2	PT-1	ACT-1	
233	SMALL CONF	CPT-1	RB-1	PT-1	ACT-1	

FINISH SCHEDULE

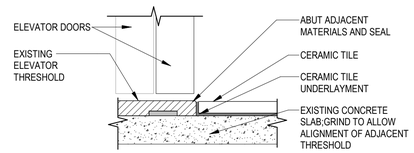
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING MATERIAL	COMMENTS
234	IW SUPERVISOR	CPT-3	RB-2	PT-1	ACT-1 1	
235	IW SUPERVISOR	CPT-3	RB-2	PT-1	ACT-1	
236	CORRIDOR	CPT-1	RB-1	PT-1	ACT-2	
237	OPEN OFFICE	CPT-2	RB-1	PT-1	ACT-1	
237.A	ELEC CLOSET	SV-1	RB-1	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
S1-2	STAIR	CONC.	RB-1	PT-1	N/A	
S2-2	STAIR	CONC.	RB-1	PT-1	N/A	
THIRD FL						
301	LOBBY	CTF-1	CTB-1	PT-1	ACT-2	
301A	PREFUNCTION AREA	CPT-1	RB-1	PT-1	GWB	
302	CLASSROOM	CPT-1	RB-1	PT-1	ACT-1	
303	CLASSROOM	CPT-1	RB-1	PT-1	ACT-1	
304	MEN'S	CTF-1	CTB-1	CTW-1/CTW-3	GWB	REFER TO SHEET A-50 FOR TYPICAL TILE PATTERNS
305	WOMEN'S	CTF-1	CTB-1	CTW-1/CTW-3	GWB	REFER TO SHEET A-50 FOR TYPICAL TILE PATTERNS
307	MANAGER	CPT-3	RB-2	PT-1	ACT-1	
308	CLERK	CPT-3	RB-2	PT-1	ACT-1 1	
309	DIRECTOR	CPT-3	RB-2	PT-1	ACT-1	
310	MANAGER	CPT-3	RB-2	PT-1	ACT-1	
311	MEDIUM CONF	CPT-1	RB-1	PT-1	ACT-1	
312	LARGE CONF	CPT-1	RB-1	PT-1	ACT-1 1	
313	OPEN OFFICE	CPT-2	RB-1	PT-1	ACT-1	
314	STORAGE	SV-1	SVB-1	PT-1	ACT-1 1	
315	WORK ROOM	LVT-1	RB-1	PT-1	ACT-1	
317	BREAK ROOM	LVT-1	RB-1	PT-1/CTW-3	ACT-1/GWB	PAINT GWB SURROUNDING CASEWORK PT-2
318	FUTURE MEDIA STUDIO	CONC.	-	-	ACT-1	
319	OPEN OFFICE	CPT-2	RB-1	PT-1	ACT-1	
320	STORAGE ROOM	CONC.	-	-	ACT-1	
321	WOMEN'S	CTF-1	CTB-1	CTW-1/CTW-3	GWB	REFER TO SHEET A-50 FOR TYPICAL TILE PATTERNS
322	MEN'S	CTF-1	CTB-1	CTW-1/CTW-3	GWB	REFER TO SHEET A-50 FOR TYPICAL TILE PATTERNS
323	LOUNGE	CPT-1	RB-1	PT-1	ACT-2	
324	SMALL CONF	CPT-1	RB-1	PT-1	ACT-1	
325	DIRECTOR SUITE	CPT-3	RB-2	PT-1	ACT-1 1	
326	CLERK	CPT-3	RB-2	PT-1	ACT-1	
327	MANAGER	CPT-3	RB-2	PT-1	ACT-1	
328	MANAGER	CPT-3	RB-2	PT-1	ACT-1	
329	MANAGER	CPT-3	RB-2	PT-1	ACT-1	
330	MANAGER	CPT-3	RB-2	PT-1	ACT-1	
331	CORRIDOR	CPT-1	RB-1	PT-1	ACT-2	
331A	JANITOR	SV-1	SVB-1	PT-1	ACT-1 1	
332	OPEN OFFICE	CPT-2	RB-1	PT-1	ACT-1	
332.A	ELEC CLOSET	SV-1	RB-1	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
S1-3	STAIR	CONC.	RB-1	PT-1	N/A	
S2-3	STAIR	CONC.	RB-1	PT-1	GWB	
PENTHOUSE FL						
401	CORRIDOR	CONC.	-	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
402	MECHANICAL PENTHOUSE	CONC.	-	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
403	ELEV SERVICE	CONC.	-	PT-1	EXPOSED	PAINT ALL EXPOSED METAL DECK AND STRUCTURE PT-5
S1-4	STAIR	CONC.	RB-1	PT-1	GWB	



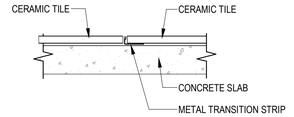
1 RESILIENT TO CARPET
3" = 1'-0"



2 RESILIENT TO CERAMIC
3" = 1'-0"

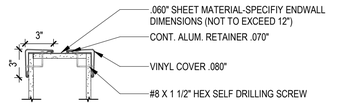


3 ELEVATOR THRESHOLD
3" = 1'-0"



4 CERAMIC TO CERAMIC
3" = 1'-0"

5 CORNER GUARD (CG-1, CG-3)
1 1/2" = 1'-0"



6 CORNER GUARD (CG-2, CG-4)
1 1/2" = 1'-0"

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

.5' 0' .5' 1'

SCALE: 3" = 1'-0"

.25' 0' .25' .5'

Designed by: F. SANTORO

Drawn by: C. CAMPBELL

Checked by: R. SYMANSKI

REVISION

REV No.	DATE	DESCRIPTION	APPV
1	3/24/22	ADDENDUM 2	1

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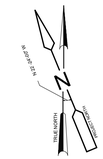
ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-AI-05
FINISH SCHEDULES & DETAILS

Contract: 1759
CAD File Name: AI-05.DGN
Date: 01 / 14 / 2022
Sheet: 160 of 288

FINISH LEGEND

TAG	FINISH TYPE	MANUFACTURER	SERIES	PRODUCT NUMBER	COLOR	FINISH	SIZE	INSTALLATION	REMARKS
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	OPTIMA TEGULAR	3251	WHITE	-	24" X 24" X 1"	-	9/16 GRID IN WHITE
ACT-2	ACOUSTICAL CEILING TILE	ARMSTRONG	OPTIMA TEGULAR	3261	WHITE	-	24" X 72" X 1"	-	9/16 GRID IN WHITE
ACT-3	ACOUSTICAL CEILING TILE	ARMSTRONG	OPTIMA TEGULAR	3253	WHITE	-	24" X 24" X 1"	-	15/16" ALUMINUM CAP FOR THE LABS
BG-1	BUMPER GUARD	CONSTRUCTION SPECALTIES	ECR	20S	ALUMINUM	-	2 2"	-	SEE DETAIL 6 ON SHEET A220-AD-05
CG-1	CORNER GUARD	INPRO	HIGH IMPACT CORNER GUARD	160	DOVE GRAY 0106	-	-	TOP OF BASE TO CEILING	
CG-2	CORNER GUARD	INPRO	HIGH IMPACT END WALL	150D	DOVE GRAY 0106	-	-	TOP OF BASE TO CEILING	
CG-3	CORNER GUARD	INPRO	HIGH IMPACT CORNER GUARD	160	DESIGNER WHITE 0101	-	-	TOP OF BASE TO CEILING	
CG-4	CORNER GUARD	INPRO	HIGH IMPACT END WALL	150D	DESIGNER WHITE 0101	-	-	TOP OF BASE TO CEILING	
CONC	CONCRETE	-	-	-		EUCO DIAMOND HARD	-	-	SEALED CONCRETE
CPT-1	CARPET	SHAW	PRACTICE TILE	5T394	PERCEIVE	-	12"X48"	ASHLAR	
CPT-2	CARPET	SHAW	FOUNDATION TILE	5T169	CALCITE 68535	-	12"X48"	ASHLAR	
CPT-3	CARPET	SHAW	CLEARING TILE	5T381	BRILLIANT 71105	-	9"X36"	ASHLAR	
CR-1	CRASH RAIL	CONSTRUCTION SPECALTIES	ECR	32S	ALUMINUM	-	4"	-	SEE DETAIL 6 ON SHEET A220-AD-05
CTB-1	CERAMIC TILE BASE	EMSER TILE	NETWORK	NETWWH0312SBN	NETWORK WHITE	MATTE	3" x 12"		BULLNOSE, ALIGN GROUT LINES WITH FLOORING TILE
CTF-1	CERAMIC FLOOR TILE	EMSER TILE	NETWORK	A40NETWWH1223	NETWORK WHITE	MATTE	23"X47"	33% OFFSET	
CTF-2	CERAMIC FLOOR TILE	EMSER TILE	TERRANE	F45TERRIV1224	TERRANE GRAY	MATTE	2"X2" MOSAIC		LOCKER ROOM SHOWERS
CTW-1	CERAMIC WALL TILE	EMSER TILE	NETWORK	A40NETWWH1223	NETWORK WHITE	MATTE	23"X47"	33% OFFSET	
CTW-2	CERAMIC WALL TILE	EMSER TILE	NETWORK	A40NETWWH1223	NETWORK WHITE	MATTE	12"X23"	33% OFFSET	
CTW-3	CERAMIC WALL TILE	EMSER TILE	FLEX	F50FLEXWH0416M	FLEX WHTIE	MATTE	4"X16"	STACK BOND	
FRP-1	FIBER REINFORCED PANEL	PANOLAM	FRP	-	WHITE	-	-	-	
G-1	GROUT	BOSTIK	TRUCOLOR RAPIDCURE	-	SHADOW H195	-	-	-	
GF-1	GLASS FILM	3M	CRYSTAL	7725SE-314	DUSTED	-	-	-	
GWB	GYPSUM WALL BOARD	CERTAINTEED CORPORATION	-	-	-	-	-	-	REFER TO SPECIFICATIONS FOR PRODUCT DETAILS
LVT-1	LUXURY VINYL TLE	MANNINGTON	DRIFT	-	STONE TERRA DIAMOND D215	-	9"X36"	1/3 STAGGERED	
PL-1	PLASTIC LAMINATE	FORMICA	-	-	PLANKED RAW OAK 7412	PURE GRAIN (PG)	-	-	
PT-1	PAINT - GENERAL WALL	SHERWIN WILLIAMS	-	-	SNOWBOUND SW 7004	EGGSHELL	-	-	
PT-2	PAINT - ACCENT WALL	SHERWIN WILLIAMS	-	-	RAINSTORM SW 6230	EGGSHELL	-	-	
PT-3	PAINT - ACCENT WALL	SHERWIN WILLIAMS	-	-	COLOR TO MATCH ALCOSAN GREEN	EGGSHELL	-	-	R: 1 G 131 B:119
PT-4	PAINT - ACCENT WALL	SHERWIN WILLIAMS	-	-	COLOR TO MATCH ALCOSAN BLUE	EGGSHELL	-	-	R: 0 G: 103 B: 158
PT-5	PAINT - CEILINGS	SHERWIN WILLIAMS	-	-	HIGH REFLECTIVE WHITE SW7757	FLAT	-	-	INCLUDE CEILINGS AT STAIRWAYS
PT-6	PAINT - DOOR FRAMES	SHERWIN WILLIAMS	-	-	BLACK EMERALD SW 2936	SEMI-GLOSS	-	-	
PT-7	PAINT - EXTERIOR HM DOORS AND FRAMES	SHERWIN WILLIAMS	-	-	PAVESTONE SW 7642	SEMI-GLOSS	-	-	DOOR AND FRAMES AT BRICK VENEER
PT-8	PAINT - EXTERIOR HM DOORS AND FRAMES	SHERWIN WILLIAMS	-	-	MAREA BAJA SW 9185	SEMI-GLOSS	-	-	DOORS AND FRAMES AT METAL WALL PANELS AND ROOF LADDER
PT-9	PAINT - EXTERIOR HM DOORS AND FRAMES	SHERWIN WILLIAMS	-	-	ARGOS SW 7065	SEMI-GLOSS	-	-	DOORS AND FRAMES AT HP CONCRETE PANELS
PT-10	PAINT - STAIRWAYS	SHERWIN WILLIAMS	-	-	BLUE PLATE SW 6797	SEMI-GLOSS	-	-	ALL METAL STAIR COMPONENTS, INCLUDING: STAIRS, RAILINGS, PAN, STRINGERS
RB-1	RESILIENT BASE	TARKETT	DURACOVE 4" BASE	-	CHARCOAL WG 20	-	4" HIGH	-	PROVIDE TIGHTLOCK 4-1/4" AT CARPET
RB-2	RESILIENT BASE	TARKETT	DURACOVE 4" BASE	-	VAPORIZE 282	-	4" HIGH	-	PROVIDE TIGHTLOCK 4-1/4" AT CARPET
RES-1	EPOXY FLOOR	STONHARD	STONCLAD	-	SILVER GRAY	-	-	-	RESB-1 BASE
RES-2	EPOXY COUNTER	DURCON	CLASSIC TOP	FLAT-101-001-4	BLACK ONYX	-	-	-	LAB COUNTER TOPS
RESB-1	EPOXY BASE	STONHARD	STONCLAD	-	SILVER GRAY	-	6" HIGH	-	FLASH COVE BASE
RF-1	RUBBER FLOORING	NORA SYSTEMS	SENTICA	6524	FROST BITE		3MM SHEET		HEAT WELD TO MATCH FLOORING
RF-2	RUBBER FLOORING	NORA SYSTEMS	SENTICA	6530	WATERFALL		3MM SHEET		HEAT WELD TO MATCH FLOORING
SC-1	STEEL CASEWORK	AIR MASTER SYSTEMS (AMS)	-	-	MODEL GRAY	-	-	-	LAB CASEWORK
SDT-1	STATIC DISSIPATIVE TILE	ARMSTRONG	EXCELON		RIDGE				
SS-1	SOLID SURFACE	WILSONART	-	-	MORNING ICE 9204CE	-	-	-	
SS-2	SOLID SURFACE	CORIAN	-	-	ANTARCTICA	-	-	-	FOR SAFETY SHOWERS, SPLASH GUARDS, WINDOW SILLS
SS-3	STAINLESS STEEL COUNTERTOPS	AIR MASTER SYSTEMS (AMS)	-	-	304 STAINLESS STEEL 16 GAUGE	#4 SMOOTH GRAIN FINISH	30" DEPTH	-	GLASS WASH ROOM COUNTERS
SSB-1	SOLID SURFACE BASE	CORIAN	-	-	ANTARCTICA	-	-	-	
SV-1	SHEET VINYL	ARMSTRONG	HOMOGENEOUS SHEET	5A076	STERLING GREY	-	-	-	SEAMS TO BE INSTALLED UNDER CABINETS.
SVB-1	SHEET VINYL COVE BASE	ARMSTRONG	HOMOGENEOUS SHEET	5A076	STERLING GREY	-	6" HIGH	-	
T-1	TRANSITIONS	SCHLUTER	JOLLY	-	AE FINISH	-	-	-	
T-2	TRANSITIONS	SCHLUTER	QUADEC	-	AE FINISH	-	-	-	
T-3	TRANSITIONS	SCHLUTER	DILEX-AHK	-	AE FINISH	-	-	-	
T-4	TRANSITIONS	SCHLUTER	SCHIENE	-	AE FINISH	-	-	-	
T-5	TRANSITIONS	SCHLUTER	RENO	-	AE FINISH	-	-	-	
WO-1	ENTRANCE GRILLE	MATS INC	DUAL TRACK W/AD ANGLE FRAME	-	CHARCOAL	-	-	-	
WRS-1	MANUAL DUAL SHADE	MECHOSHADE	EQUINOX BLACKOUT	0100 SERIES	MARBLE	0100 OPAQUE	-	-	
WT-1	WINDOW TREATMENTS	BALI	HORIZONTAL BLINDS	-	ALUMINUM	1" SLATS	-	-	



Designed by:	REVISION			
F. SANTORO	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by:				
R. SYMANSKI				

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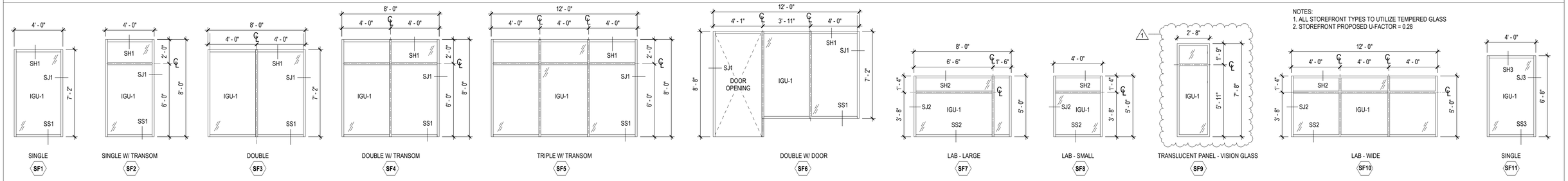
ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

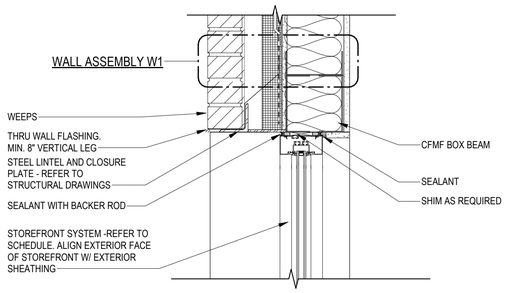
220-AI-06
FINISH LEGEND

Contract: 1759
CAD File Name: AI-06.DGN
Date: 01 / 14 / 2022

EXTERIOR STOREFRONT TYPES

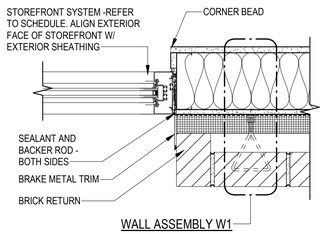


NOTES:
1. ALL STOREFRONT TYPES TO UTILIZE TEMPERED GLASS
2. STOREFRONT PROPOSED U-FACTOR = 0.28



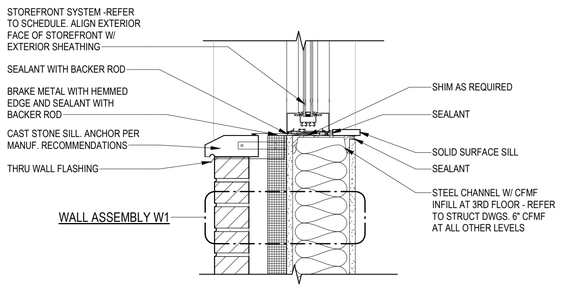
1 STOREFRONT HEAD - SH1

1 1/2" = 1'-0"



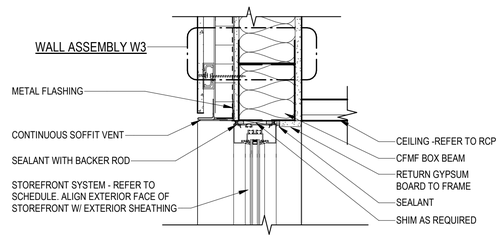
2 STOREFRONT JAMB - SJ1

1 1/2" = 1'-0"



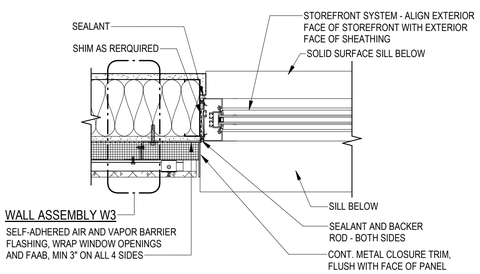
3 STOREFRONT SILL SS-1

1 1/2" = 1'-0"



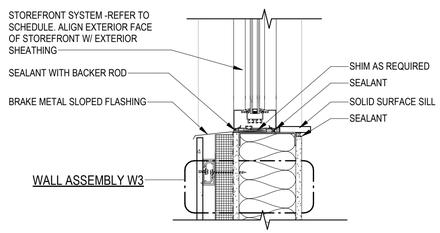
4 STOREFRONT HEADER - SH2

1 1/2" = 1'-0"



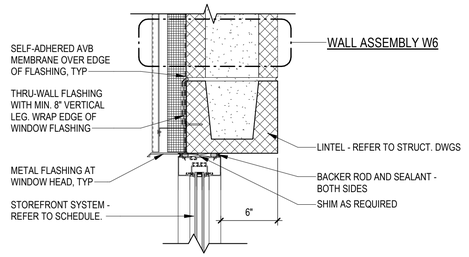
5 STOREFRONT JAMB - SJ2

1 1/2" = 1'-0"



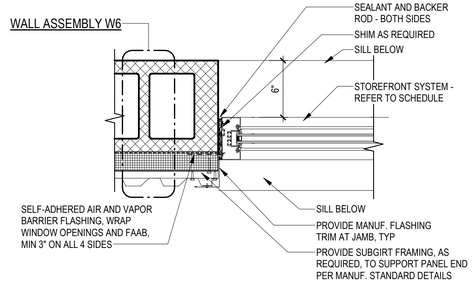
6 STOREFRONT SILL - SS2

1 1/2" = 1'-0"



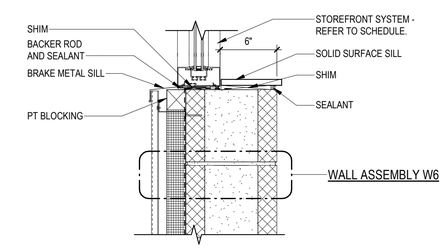
7 STOREFRONT HEAD - SH3

1 1/2" = 1'-0"



8 STOREFRONT JAMB - SJ3

1 1/2" = 1'-0"



9 STOREFRONT SILL SS-3

1 1/2" = 1'-0"

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

4' 0' 2' 4'

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

.5' 0' .5' 1'

Designed by:	REVISION			
F. SANTORO	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
S. BUCHA	1	3/24/22	ADDENDUM 2	1
Checked by:				
R. SYMANSKI				

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ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-AS-03
STOREFRONT TYPES AND DETAILS

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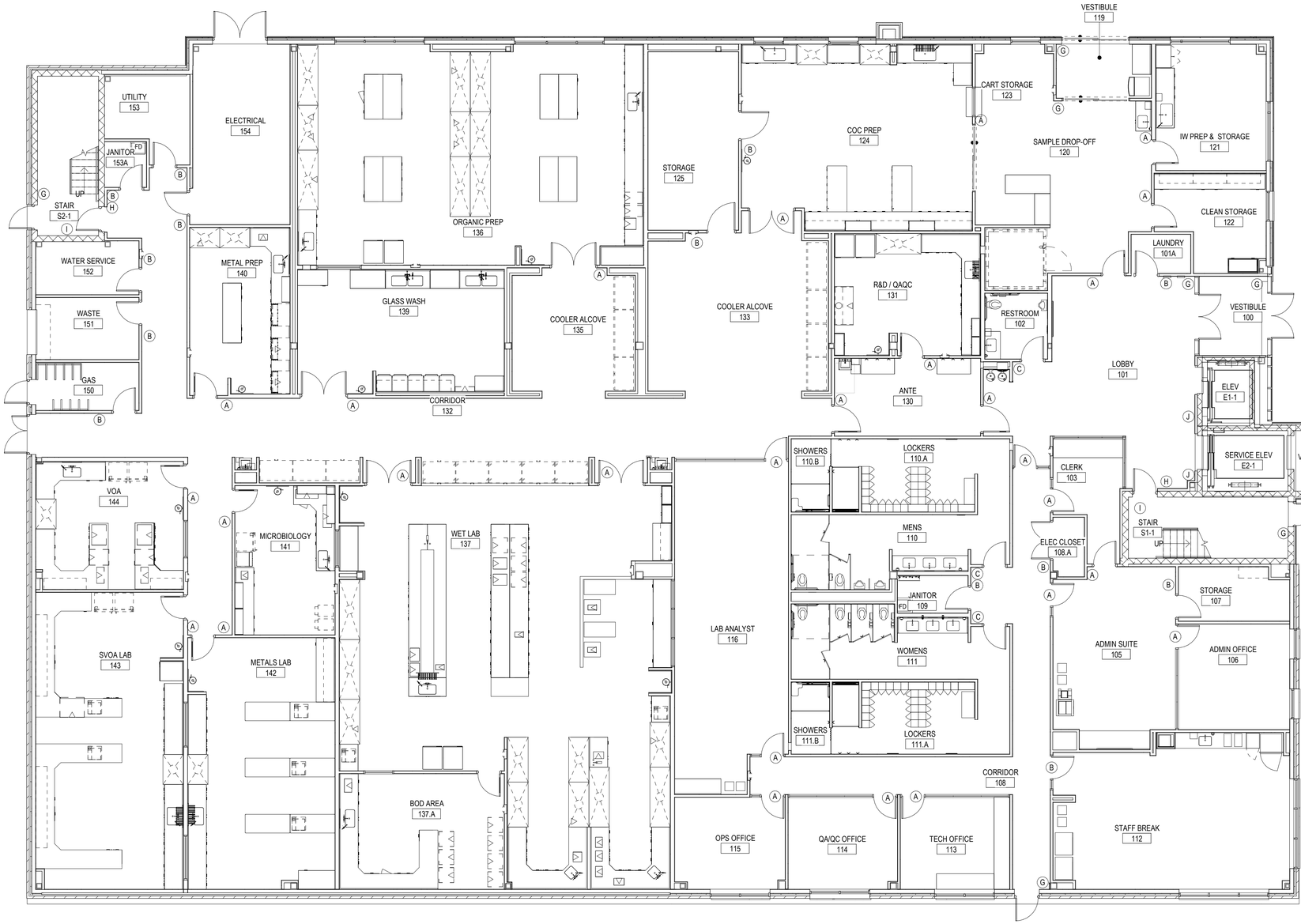


1

OVERALL SIGNAGE PLAN - FIRST FLOOR

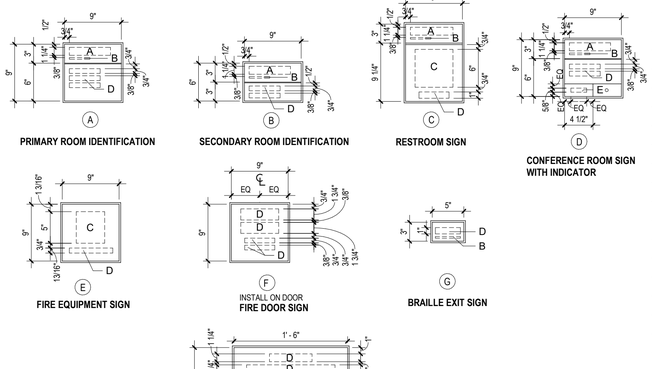
1/8" = 1'-0"

SCALE: 1" = 1'-0"

0' 1' 2'

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

8' 0' 4' 8'



2

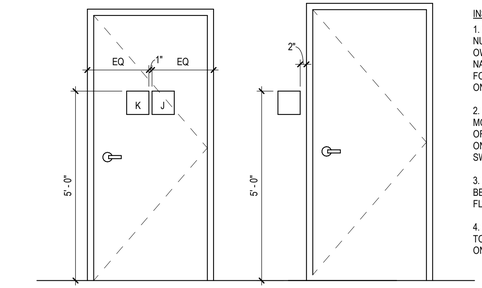
SIGNAGE TYPES

1" = 1'-0"

NOTE: ALL SIGNAGE RELATING TO SAFETY LAB EQUIPMENT WILL BE PROVIDED BY PRODUCT MANUFACTURER.

SIGN SPECIFICATIONS:
1/8" ADA STANDARD ACRYLIC SIGN WITH BRAILLE AND CLEAR ANODIZED EXTRUDED MITERED ALUMINUM FRAMES.
FONT: HELVETICA MEDIUM
BACKGROUND: TBD

A. ROOM NUMBER B. BRAILLE C. SYMBOL D. TEXT E. IN USE



MOUNTING REQUIREMENTS FOR SIGNS "J" , "K" ON STAIRWELL DOOR

INSTALLATION NOTES:

1. COORDINATE FINAL ROOM NUMBERS AND NAMES WITH THE OWNER. ROOM NUMBERS AND NAMES ON FLOOR PLANS ARE FOR CONSTRUCTION REFERENCE ONLY.

2. ROOM NUMBER ID SIGNAGE IS MOUNTED AT 2" FROM THE EDGE OF THE DOOR FRAME, MOUNTED ON THE HANDLE SIDE OF THE SWING DOOR.

3. THE TOP OF THE SIGNS MUST BE MOUNTED AT 60" FROM THE FLOOR.

4. SIGNAGE MOUNTED TO GLASS TO INCLUDE BLANK BACK PANEL ON OTHER SIDE.

3

SIGNAGE MOUNTING

1/2" = 1'-0"

Designed by: F. SANTORO	REVISION			
	REV No.	DATE	DESCRIPTION	APPV
Drawn by: C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by: R. SYMANSKI				

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ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
ALCOSAN ENVIRONMENTAL COMPLIANCE FACILITY

220-ASP-01
OVERALL SIGNAGE PLAN - FIRST FLOOR

Contract:	1759
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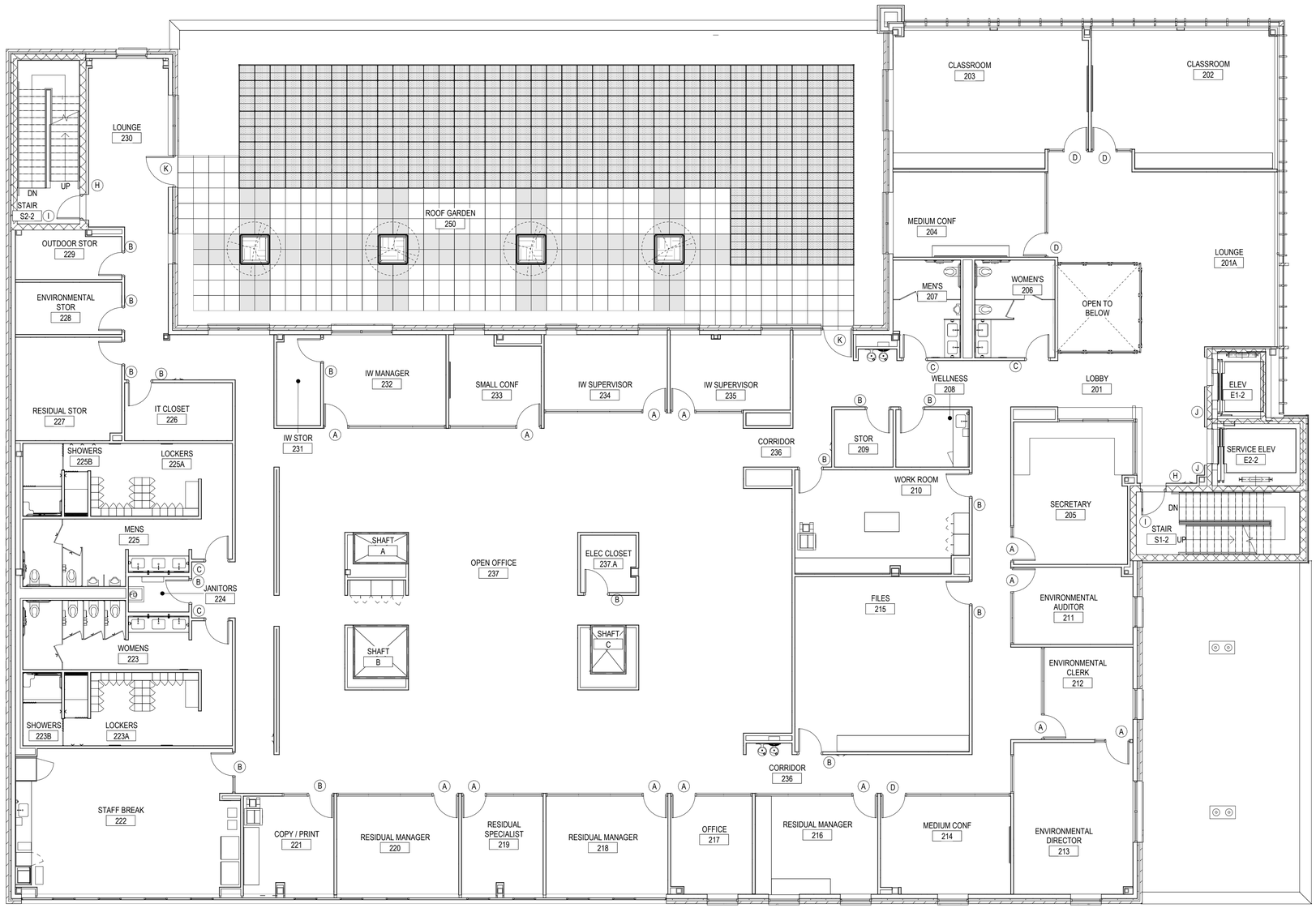
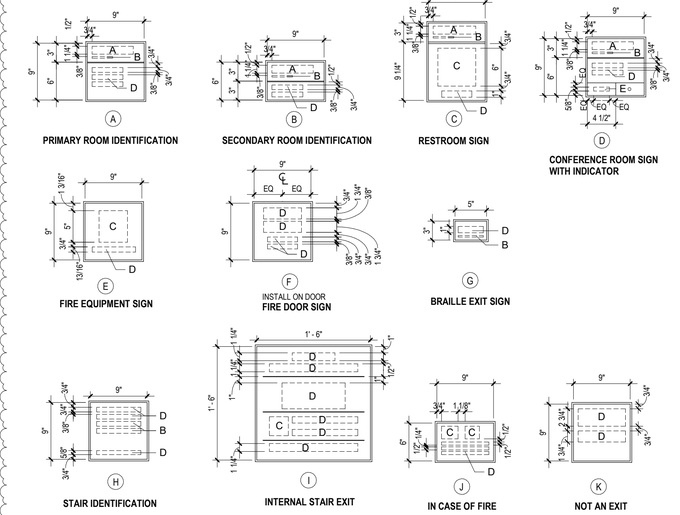




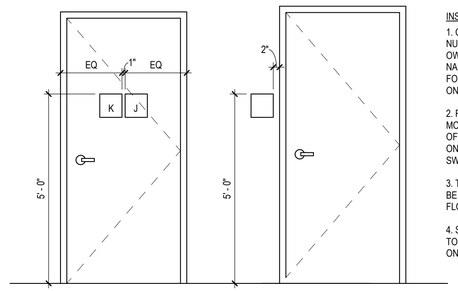
2 SIGNAGE TYPES

1" = 1'-0"

NOTE: ALL SIGNAGE RELATING TO SAFETY LAB EQUIPMENT WILL BE PROVIDED BY PRODUCT MANUFACTURER.

SIGN SPECIFICATIONS:
1/8" ADA STANDARD ACRYLIC SIGN WITH BRAILLE AND CLEAR ANODIZED EXTRUDED MITERED ALUMINUM FRAMES.
FONT: HELVETICA MEDIUM
BACKGROUND: TBD

A. ROOM NUMBER B. BRAILLE C. SYMBOL D. TEXT E. IN USE



MOUNTING REQUIREMENTS FOR SIGNS "J" , "K" ON STAIRWELL DOOR

INSTALLATION NOTES:

1. COORDINATE FINAL ROOM NUMBERS AND NAMES WITH THE OWNER. ROOM NUMBERS AND NAMES ON FLOOR PLANS ARE FOR CONSTRUCTION REFERENCE ONLY.

2. ROOM NUMBER ID SIGNAGE IS MOUNTED AT 2" FROM THE EDGE OF THE DOOR FRAME, MOUNTED ON THE HANDLE SIDE OF THE SWING DOOR.

3. THE TOP OF THE SIGNS MUST BE MOUNTED AT 60" FROM THE FLOOR.

4. SIGNAGE MOUNTED TO GLASS TO INCLUDE BLANK BACK PANEL ON OTHER SIDE.

3 SIGNAGE MOUNTING

1/2" = 1'-0"

SCALE: 1" = 1'-0"

0' 1' 2'

1 OVERALL SIGNAGE PLAN - SECOND FLOOR

1/8" = 1'-0"

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

8' 0' 4' 8'

Designed by: F. SANTORO	REVISION			
	REV No.	DATE	DESCRIPTION	APPV
Drawn by: C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by: R. SYMANSKI				

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ALLEGHENY COUNTY SANITARY AUTHORITY
WASTEWATER TREATMENT PLANT
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220-ASP-02
OVERALL SIGNAGE PLAN - SECOND FLOOR

Contract:	1759
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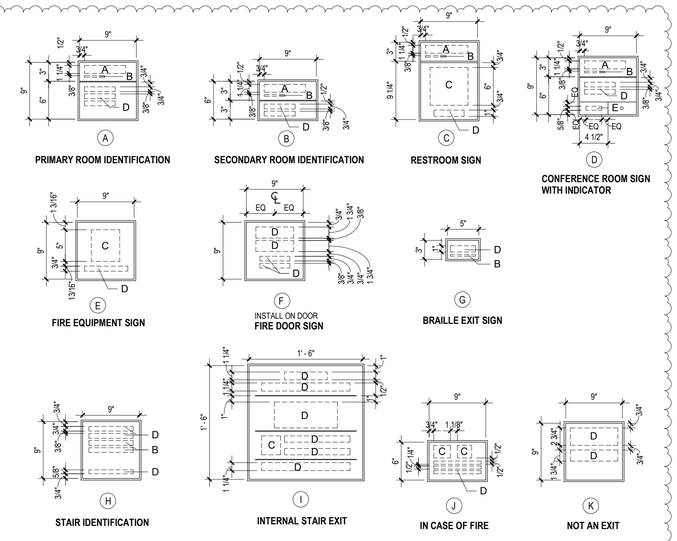
1



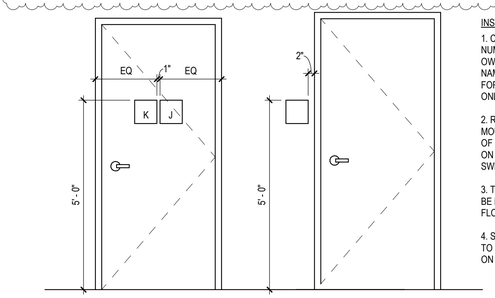
2 SIGNAGE TYPES

1" = 1'-0"

NOTE: ALL SIGNAGE RELATING TO SAFETY LAB EQUIPMENT WILL BE PROVIDED BY PRODUCT MANUFACTURER.

SIGN SPECIFICATIONS:
1/8" ADA STANDARD ACRYLIC SIGN WITH BRAILLE AND CLEAR ANODIZED EXTRUDED MITERED ALUMINUM FRAMES.
FONT: HELVETICA MEDIUM
BACKGROUND: TBD

A. ROOM NUMBER B. BRAILLE C. SYMBOL D. TEXT E. IN USE



MOUNTING REQUIREMENTS FOR SIGNS "J" , "K" ON STAIRWELL DOOR

3 SIGNAGE MOUNTING

1/2" = 1'-0"

INSTALLATION NOTES:

1. COORDINATE FINAL ROOM NUMBERS AND NAMES WITH THE OWNER. ROOM NUMBERS AND NAMES ON FLOOR PLANS ARE FOR CONSTRUCTION REFERENCE ONLY.

2. ROOM NUMBER ID SIGNAGE IS MOUNTED AT 2" FROM THE EDGE OF THE DOOR FRAME, MOUNTED ON THE HANDLE SIDE OF THE SWING DOOR.

3. THE TOP OF THE SIGNS MUST BE MOUNTED AT 60" FROM THE FLOOR.

4. SIGNAGE MOUNTED TO GLASS TO INCLUDE BLANK BACK PANEL ON OTHER SIDE.

SCALE: 1" = 1'-0"

0' 1' 2'

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

8' 0' 4' 8'

1 OVERALL SIGNAGE PLAN - THIRD FLOOR

1/8" = 1'-0"

Designed by:	REVISION			
F. SANTORO	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by:				
R. SYMANSKI				

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220-ASP-03
OVERALL SIGNAGE PLAN - THIRD FLOOR

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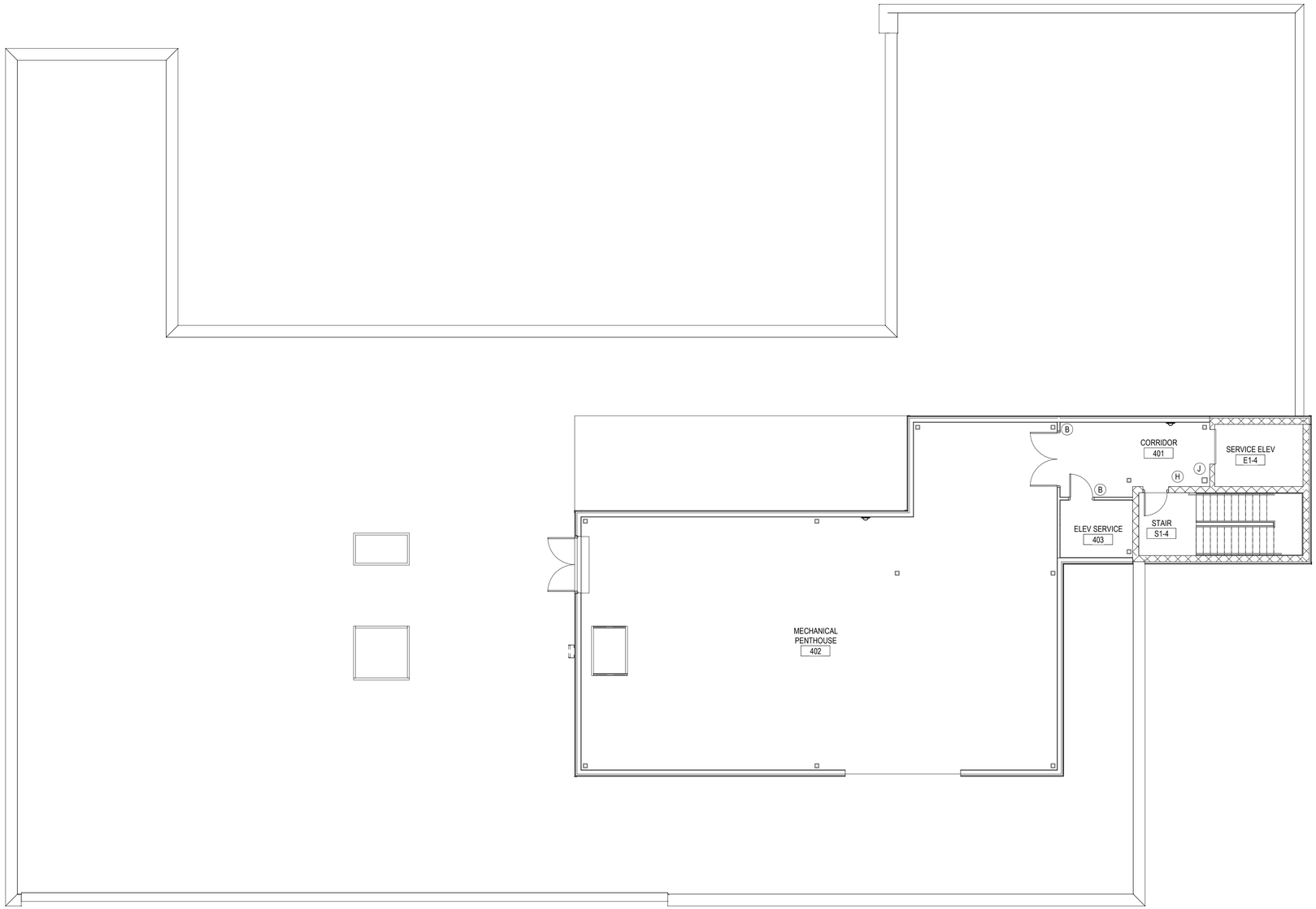
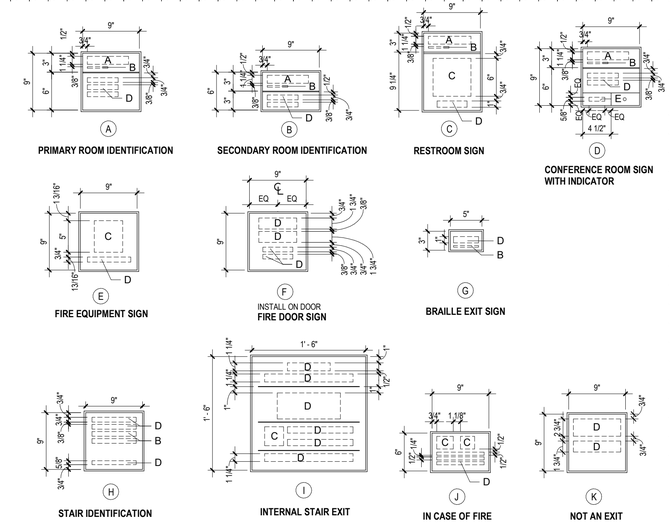


1

OVERALL FLOOR PLAN - PENTHOUSE

1/8" = 1'-0"



2

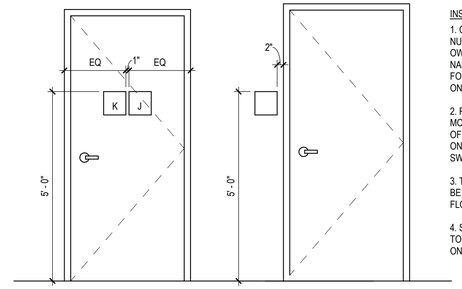
SIGNAGE TYPES

1" = 1'-0"

NOTE: ALL SIGNAGE RELATING TO SAFETY LAB EQUIPMENT WILL BE PROVIDED BY PRODUCT MANUFACTURER.

SIGN SPECIFICATIONS:
1/8" ADA STANDARD ACRYLIC SIGN WITH BRAILLE AND CLEAR ANODIZED EXTRUDED MITERED ALUMINUM FRAMES.
FONT: HELVETICA MEDIUM
BACKGROUND: TBD

A. ROOM NUMBER B. BRAILLE C. SYMBOL D. TEXT E. IN USE



MOUNTING REQUIREMENTS FOR
SIGNS "J" , "K" ON STAIRWELL DOOR

3

SIGNAGE MOUNTING

1/2" = 1'-0"

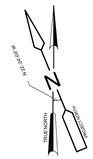
INSTALLATION NOTES:

1. COORDINATE FINAL ROOM NUMBERS AND NAMES WITH THE OWNER. ROOM NUMBERS AND NAMES ON FLOOR PLANS ARE FOR CONSTRUCTION REFERENCE ONLY.

2. ROOM NUMBER ID SIGNAGE IS MOUNTED AT 2" FROM THE EDGE OF THE DOOR FRAME, MOUNTED ON THE HANDLE SIDE OF THE SWING DOOR.

3. THE TOP OF THE SIGNS MUST BE MOUNTED AT 60" FROM THE FLOOR.

4. SIGNAGE MOUNTED TO GLASS TO INCLUDE BLANK BACK PANEL ON OTHER SIDE.



SCALE: 1" = 1'-0"

0' 1' 2'

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

8' 0' 4' 8'

Designed by:	REVISION			
F. SANTORO	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
C. CAMPBELL	1	3/24/22	ADDENDUM 2	1
Checked by:				
R. SYMANSKI				

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220-ASP-04
OVERALL SIGNAGE PLAN - PENTHOUSE

Contract:	1759
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