ADDENDUM NO. 1

August 31, 2023

Whiteland Community High School Phase 1
300 E. Main Street
Whiteland, IN 46184

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated August 11, 2023, by Lancer Associates Architecture. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 1-1 through ADD 1-4 and attached Specification Sections 00 31 00 – Revised Indiana Bid Form, 01 34 00 BIM Coordination and Clash Detection, Logistics Plan, Wood Blocking Clarifications Drawing, and Lancer Associates Architecture Addendum No. 1, dated August 30, 2023, consisting of 8 Pages, Specification Sections 08 22 00 – Fiberglass Reinforced Plastic (FRP) Doors and Fiberglass Resin Transfer Molded Door Frames, 33 42 00 – Stormwater Conveyance, Design27 Addendum 1 Narrative, Primary Engineering Addendum 1 Narrative, Crossroad Engineers Addendum 1 Narrative, and Drawings G000, G001, A101L, A101M, A720, A721L, A721M, A722L, A722M, A723J, A723K, A751, A753, A754, 400, 401, 500, 501, 700, 804, 901, 902, 1001, P100K, P100M, P101K, E101A, E101G, E101H, E202M, E503, E504, E701, E702, E706, E707, ES201, T201J, T201K, T201L, T201M, T202J, T202K, T202L, T202M, T203J, T203K, T203L, T203M, T500, T501.

A. SPECIFICATION SECTION 00 20 00 – INFORMATION AVAILABLE TO BIDDERS

Add Paragraph C.

C. WCHS Phase 1 Site Logistics plan date August 31, 2023 is being issued as part of this addendum for reference by all contractors.

B. SPECIFICATION SECTION 00 31 00 BID FORM

1. DELETE entirety of this specification section and replace with 00 31 00 – BID FORM section included as part of this Addendum.

A. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

a. Paragraph 3.02 General Clarifications

Add the following Project Specific Clarifications:

1. Each contractor is responsible for means and methods used to stock materials on upper floors and roof. It is allowable to install ramps at stairs or use lift from the exterior. All existing structures and finishes are to be protected from damage. Any damage or replacement of materials such as doors, windows, masonry, etc. will be at the cost of the contractor.
2. During demolition each contractor will provide dumpsters/disposal for their own waste. Throughout the course of construction **Bid Category #1 Contractor** will provide the general trash dumpsters.

b. Provided by the owner through the Construction Manager:
1. 22 05 93 Testing, Adjusting, and Balancing for Plumbing
2. 23 05 93 Testing, Adjusting, and Balancing for HVAC

c. Bid Category No. 1 – General Trades

Add the following Specification Sections:

08 22 00 - Fiberglass Reinforced Plastic (FRP) Doors and Fiberglass Resin Transfer Molded Door Frames
09 55 00 - Wood Flooring
33 42 00 - Stormwater Conveyance

Add the following Clarifications:

17. **Bid Category No. 1 Contractor** is responsible for installing/removing temporary stair treads as required.
18. **Bid Category No. 1 Contractor** is responsible for custom benches and any custom millwork components such as laminate display surrounds. Reference Plan Notes 12 and 13 on Plans A101L and A101M as an example.

d. Bid Category No. 3 – Structural Steel/Misc Metals

Add the following specification section:

01 34 00 - BIM Coordination and Clash Detection

Delete the following specification section:

05 52 20 - Metal Guardrail and Rooftop Fall Protection

e. Bid Category No. 4 – Roofing

Add the following specification section:

05 52 20 - Metal Guardrail and Rooftop Fall Protection

Add the following clarification:

8. **Bid Category No. 4 Contractor** is required to provide and install any wood blocking that is required by the roofing manufacturer even if it isn't depicted in the construction documents.

f. Bid Category No. 5 – Metal Studs, Drywall, and Acoustical

Add the following clarification:

6. **Bid Category No. 5 Contractor** is responsible for providing and installing all cement backer board for tile.

g. Bid Category No. 8 – Flooring

Delete the following specification section:

09 55 00 - Wood Flooring

h. Bid Category No. 11 – Aquatic Construction

Add the following clarification:

1. **Bid Category No. 11 Contractor** is responsible for the tiling within the pool as well as the pool deck.

i. Bid Category No. 12 – Fire Protection

Add the following specification section:

01 34 00 - BIM Coordination and Clash Detection

j. Bid Category No. 13 – Plumbing

Add the following specification section:

01 34 00 - BIM Coordination and Clash Detection

Delete the following specification section:

22 05 93 - Testing, Adjusting, and Balancing for Plumbing

k. Bid Category No. 14 – HVAC

Add the following specification section:

01 34 00 - BIM Coordination and Clash Detection

Delete the following specification section:

23 05 93 - Testing, Adjusting, and Balancing for HVAC

l. Bid Category No. 15 – Electrical & Technology

Add the following specification section:

01 34 00 - BIM Coordination and Clash Detection

B. SPECIFICATION SECTION 01 23 00 – ALTERNATES

1. Revise Paragraph 1.04 – Schedule of Alternates, Subparagraph C to read as follows:

   C. Alternate NO. 3: Automated Logic Corporation DDC System:

   BASE BID: Include any of the approved manufacturers.
   Alternate 03: If your base bid doesn't include **Honeywell with Niagara 4, installed by local factory authorized branch**, please provide the cost for you to provide **Honeywell with Niagara 4, installed by local factory authorized branch** in lieu of the controls contractor that you have included in your base bid.

Subparagraph D – Alternate 04: DELETE IN ITS ENTIRETY

Subparagraph E – Alternate 05: DELETE IN ITS ENTIRETY

Subparagraph F – Alternate 06: DELETE IN ITS ENTIRETY

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

Format (Revised 2013)
(Amended for CPCSC)

Whiteland Community High School Addition Phase 1: 3-Story and Natatorium Additions

(Clark-Pleasant Community School Corporation)
(Johnson County, Indiana)

PART I

(To be completed for all bids. Please type or print)

Date (month, day, year):_____

BIDDER (Firm) _____

Address _____ P.O. Box _____

City/State/Zip_____

Telephone Number: _____ Email Address: _____

Person to contact regarding this Bid_____

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

_____
Insert Category No. (s) and Name(s)

Of public works project, Whiteland Community High School Addition Phase 1: 3-Story and Natatorium Additions, in accordance with Plans and Specifications prepared by Lancer Associates Architecture, 427 South College Ave., Suite 103, Indianapolis, IN 46203, as follows:

BASE BID

For the sum of _____
(Sum in words)

_____DOLLARS ($_____)
(Sum in figures)

The undersigned acknowledges receipt of the following Addenda:
Receipt of Addenda No. (s) _____

PROPOSAL TIME

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Attended pre-bid conference YES _____ NO_____

Has visited the jobsite YES _____ NO_____

The Bidder has reviewed the Guideline Schedule in Section 01 32 00 and the intent Of the schedule can be met. YES _____ NO_____

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6. YES _____ NO_____

The Skillman Corporation's diversity initiative is to create a program to encourage, assist and measure the active participation of Minority- Owned, Women-Owned, Veteran – Owned and Disabled Individual-Owned Businesses. The Program is to ensure that MWVDBEs are provided full and equal opportunity to participate in all Skillman Corporation's Projects.

Bidder has included:
DBE: YES _____% NO _____
MBE: YES _____% NO _____
WBE: YES _____% NO _____
VBE: YES _____% NO _____

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin, or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS
(if applicable)

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ALTERNATE BIDS

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

****MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE****

Alternate Bid No. 1 – SUN SHADES: Provide Sun Shades above windows on the south side of the academic wing as shown on elevations along with any associated blocking and flashing elements. Base bid: no sun shades on the south side of the south side of the building

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 2 – VIDEO BOARD: Provide video board on the north wall of the pool. Base bid: no video board on the north side of the board, provide conduit and wiring.

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 3 – TEMPERATURE CONTROLS: You may use any of the acceptable controls contractors in your base bid. If your base bid doesn't include **Honeywell with Niagara 4, installed by local factory authorized branch**, please provide the cost for you to provide **Honeywell with Niagara 4, installed by local factory authorized branch** in lieu of the controls contractor that you have included in your base bid.

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

PART II
(For projects of $150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

SECTION I EXPERIENCE QUESTIONNAIRE

1. What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

2. What public works projects are now in process of construction by your organization?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

3. Have you ever failed to complete any work awarded to you?_____If so, where and why?

_____

_____

_____

4. List references from private firms for which you have performed work.

_____

_____

_____

SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

SECTION V OATH AND AFFIRMATION

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at _____this _____ day of _____, 20

_____
(Name of Organization)

By

_____

_____
(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Before me, a Notary Public, personally appeared the above-named

_____

Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____,

_____
(Title)

_____
Notary Public

My Commission Expires: _____

County of Residence: _____

END OF SECTION 00 31 00

SECTION 01 34 00 – BIM COORDINATION AND CLASH DETECTION

PART 1 - GENERAL

1.01 SUMMARY

A. This Section specifies the requirements of Building Information Modeling and Clash Detection for major project components including but not limited to:

1. Structural
2. Mechanical
3. Plumbing
4. Fire Sprinkler
5. Electrical

B. General: The Contractor and Subcontractors shall prepare Building Information Models according to requirements established in the Building Information Modeling Protocol. All BIM models will be incorporated into one aggregate BIM file for reporting and resolving Model Element Clashes.

1. Each Contractor will be responsible for producing a model/models to represent the work of the Contractor in accordance with the requirements established in the Information Building Modeling Protocol and the BIM Coordination Plan provided by the Contractor.
2. If the Contractor does not have the in-house capability to produce the required model/models, the Contractor may utilize the service of an outside entity to provide this service.
3. Each Contractor shall maintain their own model files as sole author. Subcontractors are responsible for providing the team with NavisWorks compatible files for their scope of work which will be used for coordination.
4. The Contractor will be responsible for updating the BIM throughout duration of the project with changes to Work so that the BIM will accurately represent the Work as it was installed.
5. It is the sole responsibility of the Contractor to ensure that space reservation through 3D Modeling is complete. If any part or piece of the system is not accurately represented in the BIM the Contractor will be responsible to install the work within the parameters of the project conditions at no additional cost or time extension to the Project.

C. Model Management:
   1. The Contractor shall appoint a Modeling Manager responsible for working with the model and for guiding the 3D coordination process according to requirements established in the Building Information Modeling Protocol Exhibit.
   2. The Contractor shall establish a BIM Coordination Plan to establish:
      a. Model origin, coordinate system, and units
      b. File storage location(s)
      c. Processes for transferring and accessing Model files
      d. Identification of design coordination and clash detection procedures
      e. Model Access rights
      f. Other Model Management responsibilities defined in the Building Information Modeling Protocol Exhibit.

D. BIM Coordination Meetings:
   1. Each Contractor is required to take part in regular coordination review meetings. The time and place for these meetings will be established by Contractor. The purpose of the coordination meeting is to identify and resolve probable interferences between building systems.
   2. The Schedule of BIM Coordination Meetings shall be coordinated with and inform Project Coordination activities, Submittals, and all other Project requirements.
   3. Subcontractors shall supply a Contractor Model Element Author, authorized to act and make decisions on behalf of their organization.
   4. If conflicts are identified and a resolution is agreed upon it is the Subcontractor's responsibility to have the necessary changes made in their model and republish said model to the coordination team in time for the next meeting unless another timeframe is agreed upon.

PART 2 – IMPLEMENTATION

IMPLEMENTATION TABLE	
MEP Trades	3D coordination and clash detection
Structural	3D coordination and clash detection
Prefabrication	Trade partners encourage to take advantage of model for prefabrication, coordination, and scheduling
Pre-Installation	3D visualization to conduct preinstallation coordination.
Site Logistics	Coordination of site logistics, and access
Safety	3D visualization for assessing and documenting safety concerns

QAQC	Verification of quality assurance and quality control issues and documentation
As built	Verification of as built condition for record set documentation, photo graphic documentation.

GAS EASEMENT
INDIANA GAS COMPANY, INC.
BK 185 PG 106

UTILITY EASEMENT
UNITED TELEPHONE CO.
BK 196 PG 303

ROW/EASEMENT
TOWN OF WHITELAND
BK 247 PG 689

ROW/EASEMENT
TOWN OF WHITELAND
BK 240 PG 948

GAS EASEMENT
INDIANA GAS & WATER
COMPANY, INC.
BK 142 PG 542

UNITED TELEPHONE
COMPANY OF INDIANA, INC.
BK 196 PG 363

GAS EASEMENT
INDIANA GAS COMPANY, INC.
BK 229, PG 741

GAS EASEMENT
INDIANA GAS
COMPANY, INC.
BK 221, PG 814

Building Addition Footprint

Temporary Stone

Temporary Construction Fencing

Temporary Construction Fencing Installed by Previous Contractor

CM Trailer

Contractor Trailers

Contractor Parking

Laydown Area

20' WATER EASEMENT
INDIANA AMERICAN WATER
INSTR. #2023009695

PERPETUAL HIGHWAY EASEMENT
INSTR. #2002022141

PERPETUAL HIGHWAY
EASEMENT
INSTR. #2002022140

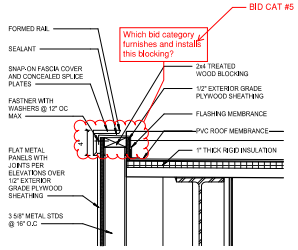
PERPETUAL HIGHWAY
EASEMENT
INSTR. #2002022139

GAS EASEMENT
INDIANA GAS COMPANY, INC.
BK 229, PG 741

BFE 790

ROW
TOWN OF WHITELAND
INSTR. #2018023770 &
2019004393

Blocking Clarifications
8/30/23



10 ATRIUM CANOPY DETAIL
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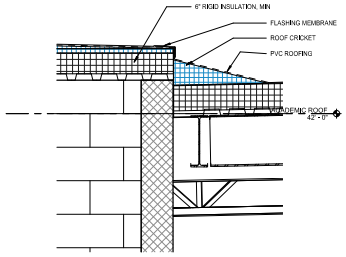

7 ROOF DETAIL @ ELEVATOR SHAFT
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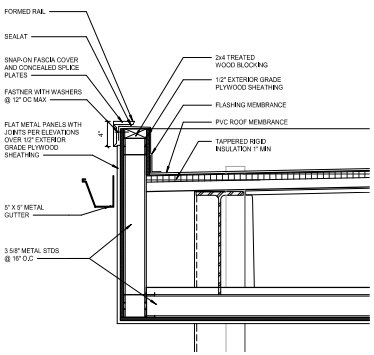

9 ATRIUM CANOPY DETAIL
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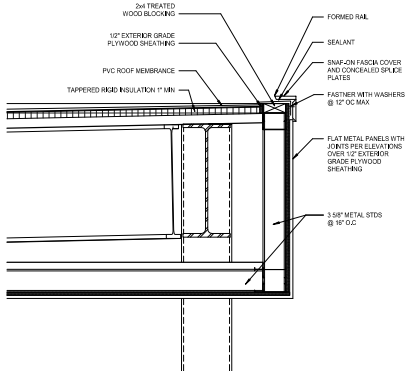

8 ATRIUM CANOPY DETAIL
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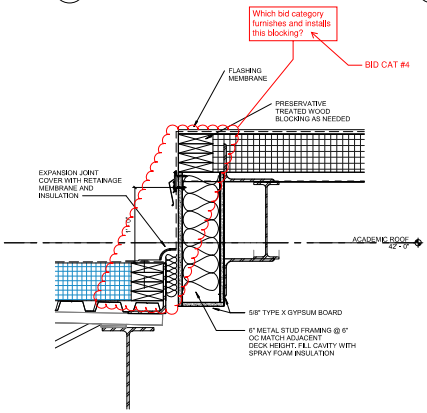

11 ROOF EXPANSION JOINT DETAILS
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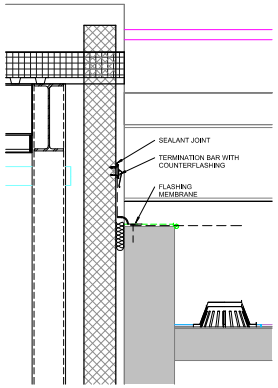

12 ROOF DETAIL @ EXISTING WALL
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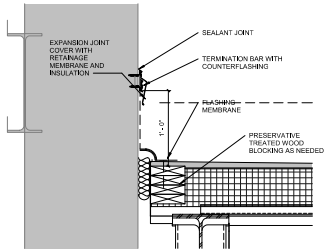

6 ROOF DETAIL @ EXISTING WALL
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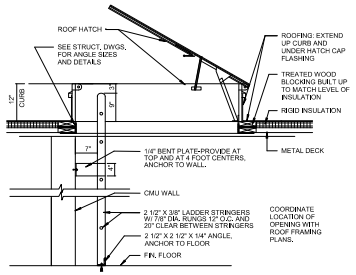
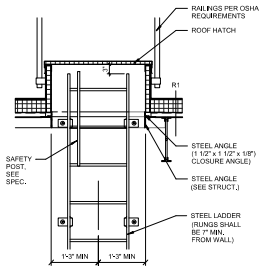
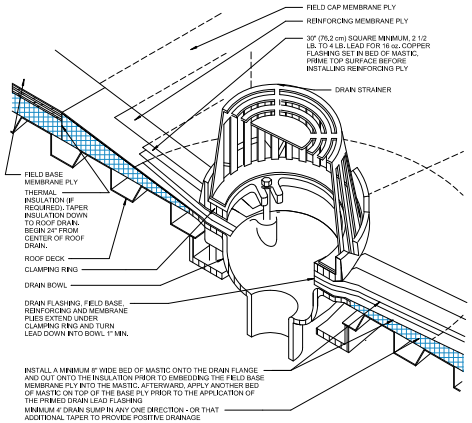


4 VENT FLASHING
SCALE: 3/4" = 1'-0"



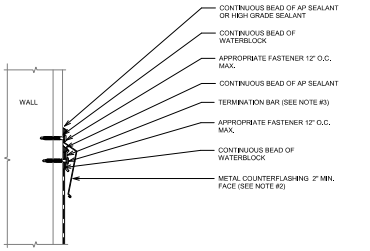
5 VENT FLASHING
SCALE: 3/4" = 1'-0"



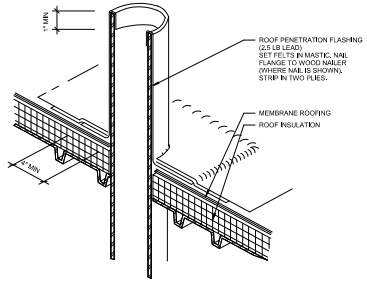
3 VENT FLASHING
SCALE: 3" = 1'-0"

NOTES:

1. REGULAR MAINTENANCE OF COUNTERFLASHING AND SEALANT REQUIRED. NOT INCLUDED AS PART OF WARRANTY.
2. METAL COUNTERFLASHING SHALL BE 24 GAUGE PRE-FINISHED STEEL OR .032" MIN. ALUMINUM FORMED WITH HEMMED LOWER EDGE.
3. INSTALL TERMINATION BAR WITH 1/4" GAP BETWEEN ADJOINING SECTIONS.
4. TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND AROUND CORNERS.
5. TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF ALL SECTIONS ENDS.
6. INSTALL METAL WORK IN ACCORDANCE WITH CURRENT ROOF MANUFACTURER RECOMMENDATIONS.



2 TERMINATION BAR WITH COUNTERFLASHING
SCALE: 3" = 1'-0"



1 VENT FLASHING
SCALE: 1 : 1

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS

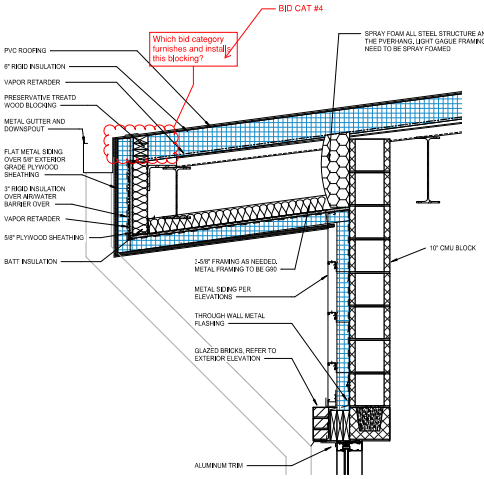
#	Date	Desc.

100% CONSTRUCTION DOCUMENT

PROJECT:	#22130
DATE:	08-11-2023
DRAWN BY:	Author

ROOF DETAILS

A142



12 STOREFRONT - HEAD POOL
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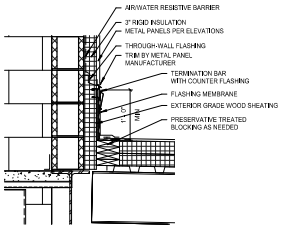
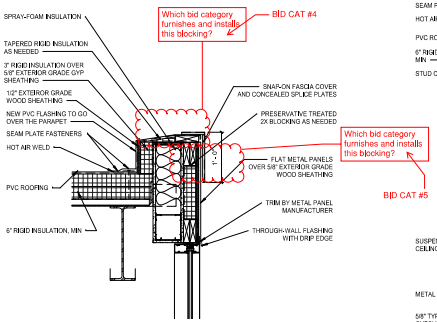


6 LOWER ROOF WEST OF POOL AREA
SCALE: 1" = 1'-0"



1 WEST ENTRANCE - ROOF DETAIL
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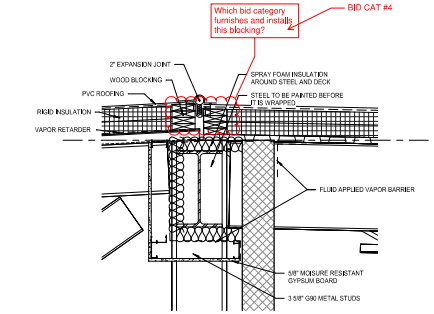
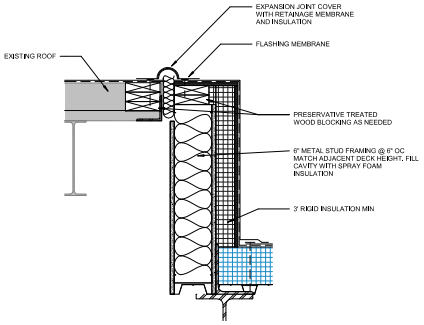
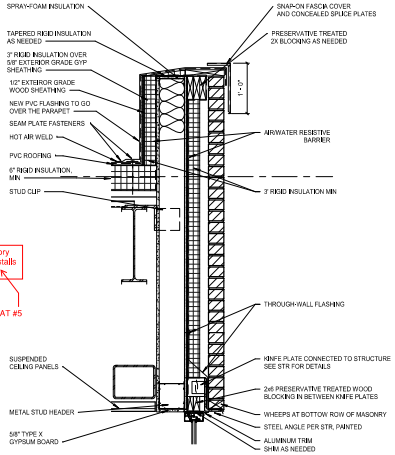


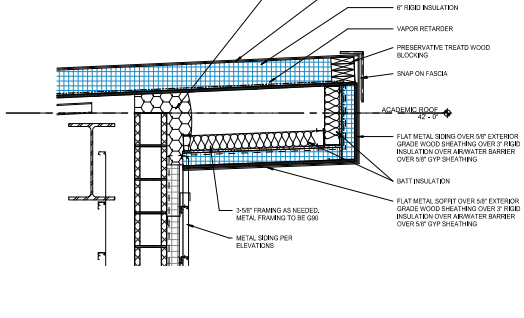
11 ROOF TRANSITION POOL-ACADEMIC
SCALE: 1" = 1'-0"



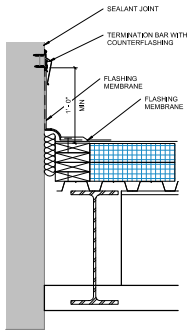
5 EX/NEW ROOF EXPANSION JOINT
SCALE: 1 1/2" = 1'-0"



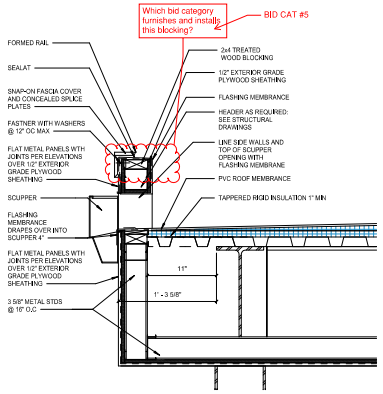
3 TYP PARAPET @ EXT BRICK ON MLT STUD
SCALE: 1" = 1'-0"



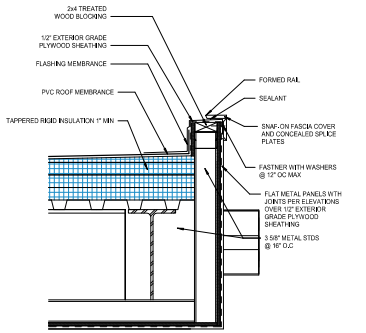
10 POOL NORTH WALL ROOF
SCALE: 1" = 1'-0"



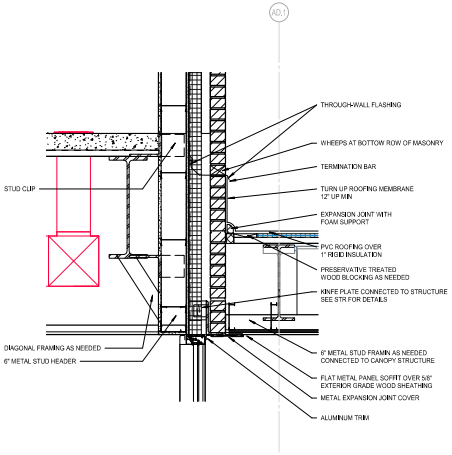
9 EXPANSION JOINT @ EXISTING WALL
SCALE: 1 1/2" = 1'-0"



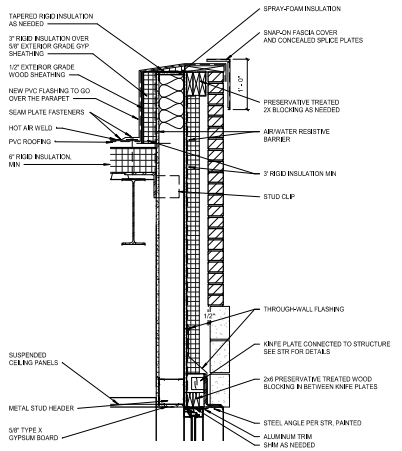
7 MAIN CANOPY DETAIL 1
SCALE: 1 1/2" = 1'-0"



8 MAIN CANOPY DETAIL 2
SCALE: 1 1/2" = 1'-0"



2 WEST ENTRANCE @ CANOPY
SCALE: 1" = 1'-0"



4 TYP PARAPET @ EXT BRICK ON MLT STUD
SCALE: 1" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS

#	Date	Desc.

100% CONSTRUCTION DOCUMENT

PROJECT:	#22130
DATE:	08-11-2023
DRAWN BY:	Author

ROOF DETAILS

A143

LANCER ASSOCIATES ARCHITECTURE

ADDENDUM NO. ONE

PROJECT: CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
PHASE 1: 3-STORY AND NATATORIUM ADDITION

PROJECT NUMBER: 22130

DATE OF ADDENDUM: August 30th, 2023

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDDENDUM ACKNOWLEDGMENT SECTION OF THE BID FORM.

QUESTIONS

Q: For specs 08 80 00 Glazing, what is the required warranty period?
A: Standard Manufacturer Warranty

Q: Interior lintels are painted, and exterior lintels are galvanized.
A: Correct. Finish paint on interior lintels to be coordinated with architectural drawings.

Q: Are there any shoring requirements for slabs on deck? I don't see any in the specs.
A: No shoring requirements. The design intent is that the deck should not require shoring.

Q: Spec section 03 30 01 calls for exposed concrete surfaces to receive a smooth-formed finish. The exterior seat walls and other exposed concrete items will be formed smoothly. They will not receive any rubbed material or coating. Please confirm.
A: Confirmed, exterior seat walls are "Exposed to public view" as referenced in article 3.6.B.2.

Q: Need to provide section cuts through the elevator pit. S101K
A: See typical details 11, 12, & 13 on S401 for elevator pit details.

Q: Confirm no thickened slabs required at all the interior 8" block walls. They will just sit on the 4" concrete slab.
A: This is incorrect. Typical detail 7 on S401 indicates that all interior non-load bearing CMU walls per the architectural floor plan are to receive a thickened slab if the walls are not already on a footing on the foundation plan. This slab is to be increased to 12" on the stair walls.

Q: AQ000 General note 17 shouldn't say that the timing system is for reference only. The timing system will be provided and installed by the pool contractor.
A: Note 17 references the Timing System layout being referenced, as it is a schematic drawing. Actual location for installation of equipment to be found on Architectural and Electrical drawings.

Q: "Railings Per OSHA Requirements" is not shown or stated as in Detail 5 on same page. Is Railing required?
A: No

Q: Drawing 11/A143, does the roof vapor barrier need to extend to the interior wall?
A: Yes, the roof vapor barrier wraps around the structure to prevent high moisture in the natatorium and the development of mold, mildew, and structural damage due to excessive moisture.

Q: The specifications do not call out a specific product to use. The details show Kawneer Trifab 451T/601T (thermal with a single thermal break) and the elevation sheets A201/202 Note 7 is calling out the products to be similar to Trifab 451UT/601UT (dual thermal break). Based on the specified thermal performance, the single thermal break 451T/601T will meet the performance requirements. Is the use of the 451T/601T acceptable?
A: Is not acceptable

Q: There are numerous FRP doors and frames listed in the door schedule. Are there specifications for these doors?
A: Added specifications 08 22 00 to addendum 01

Q: There is a door in corridor J1200 that is not labeled, what is the door number?
A: Door J2400.20

Q: I noticed that all of the interior frames of the vestibules involving exterior doors are listed as thermal. This is not a typical application. The interior vestibules are typically non-thermal. Please verify that these interior vestibule frames are to be thermally broken. If so, will they get insulated glass as well.
A: No

Q: The frame schedule has some glazing infill call out as spandrel panels. The details are showing spandrel glass. Please verify which is to be used.
A: spandrel glass

Q: Frame 8/A612 is called out as aluminum framing on the frame schedule. The door schedule says that wood doors K102.1, K 104.1, K 106.1, K108.1, and K110.1 are to be installed in Hollow metal framing. What is the framing to be used?
A: Aluminum framing

Q: Door M104.2 on the frame take-off shows the door to be a solid flush door where the door schedule calls out for it to be a full lite glazed door. Which is correct?
A: Full lite glazed door (D5)

Q: Interior door frame SF11A (door J300) is not in a vestibule application. Is this framing supposed to be thermal?
A: No

Q: SF47 on the frame schedule does not appear in the drawings. Do you have a location(s) for this frame?
A: SF47 located in the OFFICE/CONTROL L102 facing the pool on sheet A101L

Q: Rooms B110/B111 on sheet A101J do not show the "not in contract" hatching but show two (2) windows per room on the south facing wall. Are these existing to remain or are they new windows? Along this plane on this sheet there is a dash-dot-dash pattern shown that continues past door J1000.1. What is this line denoting? I looked at the life safety plans, and it does not match what is shown on that drawing. None of the aluminum framing meets any kind of fire or smoke rating.
A: The two windows in Rooms B110/B111 are existing and to remain. The dash-dot-dash pattern line is keynote 1 "FLOOR/WALL EXPANSION JOINT AND COVER."

LANCER ASSOCIATES ARCHITECTURE

Q: The distribution plan "T" series drawings show a bottom of J-hook (BOJ) at 9'10" however, detail #3 on drawing T300 shows cable tray in corridors. I do not see the cable tray spec. section. Could I get clarification on what is expected please and if it is to be cable tray, possibly more information as to type and size.
A: J-hook distribution is preferred by the owner. No wire mesh basket style cable tray is required, so detail #3 on sheet T300 can be ignored. Sizes for J-hooks are shown on the floor plans (4") and more info is listed in the specs 27 05 28.

Q: Is there any wood flooring on this project?
A: The product is tongue and groove wood planks, which could be a flooring product. To be used on the learning risers and bench under stairs in the 1st level atrium. See these details from sheet A501.

Q: Reference the following and clarify either: the overall center-line to center-line dimensions of the trench drain layout; or the required distance from the edge of the pool to the center-line of the trench drain.
1) Sheet AQ200 indicates the minimum edge to edge dimensions of the pool is: 176'-3 5/16" x 75'-0 ¾". 2) Detail 5/A730 appears to indicate the distance from the edge of the pool to the nearest edge of the trench (deck) drain is 13'-6". 3) Sheets P101L & P101M appear to indicate the trench (deck) drain layout around the pool to be approximately 90' x 191'.
A: See updated A101L & A101M with dimensions from the edge of the wall to center-line trench drain and to the inside pool. See attached. 1) Correct 2) No, detail 5/A730 does not show the distance 13'-6". 3) Correct, see updated sheet A101L & A101M with dimension.

SPECIFICATIONS

1. Add Spec section 08 22 00 Fiberglass Reinforced Plastic (FRP) Doors and Fiberglass Resin Transfer Molded Door Frames to the table of contents, add the spec section to the specifications in its entirety (see attached)

DRAWINGS REVISIONS:

1. Drawing Number: G000
   Drawing Title: COVER - VOLUME 1
   Revision:

   Add sheet index: 903, S002, A602, A603, A611, A612, A613, A614
   Remove sheet index: S614
   Revised sheet index 301 and 302 from "Site Demolition Plan" to "Site Dimension Plans"

2. Drawing Number: G001
   Drawing Title: COVER - VOLUME 2
   Revision:

   Add sheet: E401G
   Change sheet M103L to M103LM
   Change sheet ES102 to ES201
3. Drawing Number: A101L
   Drawing Title: FLOOR PLAN - FIRST FLOOR - UNIT L
   Revision:

   Added dimensions from the north wall's edge to the inside pool.
   Added dimensions from the west wall's edge to the inside pool.
   Added dimensions from the north wall's edge to the center line of the trench drain and to the inside pool.
   Added dimensions from the west wall's edge to the center line of the trench drain and to the inside pool.
   Added dimensions from the center line of the westside trench drain to the inside pool.
   Added new wall to fur out the east wall of Lobby L1000.

4. Drawing Number: A101M
   Drawing Title: FLOOR PLAN - FIRST FLOOR - UNIT M
   Revision:

   Added dimensions from the south wall's edge to the inside pool.
   Added dimensions from the south wall's edge to the center line of the trench drain and to the inside pool.

5. Drawing Number: A611
   Drawing Title: WINDOW SCHEDULE
   Revision:

   Drawing 14/A611 removed note “THERMALLY BROKEN.”

6. Drawing Number(s): A720
   Drawing Title: FINISH LEGEND
   Revision:

   Added general notes, T, U, and V, to the General Finish Plan Notes.
   Revised finish material information for EPX-1, EPX-2, EB-1, and EB-2.

7. Drawing Number: A721L
   Drawing Title: INTERIOR FINISH PLAN – FIRST FLOOR – UNIT L
   Revision:

   Added general notes, T, U, and V, to the General Finish Plan Notes.
   Added finish plan notes 1 to Plan Notes – Finish Plan.
   Added new wall to fur out the east wall of Lobby L1000.
   Added keynote annotation, 1, to the floor plan.

8. Drawing Number: A721M
   Drawing Title: INTERIOR FINISH PLAN – FIRST FLOOR – UNIT M
   Revision:

   Added general notes, T, U, and V, to the General Finish Plan Notes.
   Added finish plan notes 1 to Plan Notes – Finish Plan.
   Added keynote annotation, 1, to the floor plan.

9. Drawing Number: A722L
   Drawing Title: INTERIOR FINISH PLAN – SECOND FLOOR – UNIT L
   Revision:

   Added general notes, T, U, and V, to the General Finish Plan Notes.
   Revised finish tag information in Pool Seating M200, Vestibule L202 and M204.

10. Drawing Number: A722M
    Drawing Title: INTERIOR FINISH PLAN – SECOND FLOOR – UNIT M
    Revision:

    Added general notes, T, U, and V, to the General Finish Plan Notes.
    Revised finish tag information in Vestibule M204 and M202.

11. Drawing Number: A723J
    Drawing Title: INTERIOR FINISH PLAN – THIRD FLOOR – UNIT J
    Revision:

    Added general notes, T, U, and V, to the General Finish Plan Notes.
    Added keynote annotation, 18, to the floor plan.
    Added elevation callout referring Elevation 7 on Sheet A754.

12. Drawing Number: A723K
    Drawing Title: INTERIOR FINISH PLAN – THIRD FLOOR – UNIT K
    Revision:

    Added general notes, T, U, and V, to the General Finish Plan Notes.
    Added keynote annotation, 18, to the floor plan.
    Added elevation callout referring Elevation 7 on Sheet A754.

13. Drawing Number: A751
    Drawing Title: INTERIOR ELEVATIONS
    Revision:

    Revised 3D Acrylic Signage Element with LED Lighting's size on Elevation 4, Elevation Lobby L1000 North.

14. Drawing Number: A753
    Drawing Title: INTERIOR ELEVATIONS
    Revision:

    Revised interior elevation notes, 15, to Elevation Notes - Interior.
    Revised video board housing element and keynote, 15 on Elevation 3, Pool Deck M100 – West.

15. Drawing Number: A754
    Drawing Title: INTERIOR ELEVATIONS
    Revision:

    Revised interior elevation notes, 37 and 38, to Elevation Notes - Interior.
    Added Elevation 7, Elevation Corridor K3000 South.

16. Drawing Number: XXX
    Drawing Title: XXX
    Revision:

    Added/Removed/Revised

LANCER ASSOCIATES ARCHITECTURE

Attachments:
Specification: 08 22 00, 33 42 00,
Design27 Addendum 1 Narrative, Primary Engineering Addendum 1 Narrative,
Crossroad Engineers Addendum 1 Narrative,
Drawings: G000, G001, A101L, A101M, A720, A721L, A721M, A722L, A722M, A723J, A723K, A751, A753, A754, 400, 401, 500, 501, 700, 804, 901, 902, 1001, P100K, P100M, P101K, E101A, E101G, E101H, E202M, E503, E504, E701, E702, E706, E707, ES201, T201J, T201K, T201L, T201M, T202J, T202K, T202L, T202M, T203J, T203K, T203L, T203M, T500, T501.

00 12 10 Prosoco R-Guard Spray Wrap MVP Substitution Request Form
10 50 00 Solid Plastic Lockers Substitution Request Form
00 12 10 Case Systems Science Casework Substitution Request Form

End of Addendum 1

SECTION 08 22 00 – FIBERGLASS REINFORCED PLASTIC (FRP) DOORS AND FIBERGLASS RESIN TRANSFER MOLDED DOOR FRAMES

PART 1 - GENERAL

1.1 SUMMARY

A. This Section Includes The Following:
   1. Fiberglass Reinforced Plastic (FRP) Doors
   2. Fiberglass Resin Transfer Molded Door Frames

1.2 QUALITY ASSURANCE

Test certification by an independent and accredited laboratory is required for the properties listed in this Quality Assurance section. Reports shall be made available upon request for each of the standards and certifications described below.

A. Reference Standards

   1. Door Properties

      a) Standard test method for steady state thermal transmission properties by means of the heat flow meter apparatus.
      b) Successfully completed 1,000,000 cycles test in accordance with:
      AAMA 920-03 – Specification for Operating Cycle Performance of Side-Hinged Exterior Door Systems. ANSI A250.4-2001 – Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames, Frame Anchors and Hardware Reinforcings.
      NWWDA TM-7 Test Method to Determine the Physical Endurance of Wood Doors and Associated Hardware Under Accelerated Operating Conditions.
      c) Florida Building Code
      SFBC PA 201 Impact Procedures for
      Large Missile Impact SFBC PA 202
      Uniform Static Load on
      Building Components SFBC PA 203 Products Subjected to Cycle Wind
      Pressure SFBC 3603.2 Forced
      Entry Test
      ASTM E 1886 Impact and Cycling, Large
      Missile Impact ASTM E 1996
      Specifications for
      Performance of Exterior Doors ASTM C
      518 Heat Transfer
      ASTM D 1761 Mechanical Fasteners

   2. Laminate Properties

      Door face plate is a minimum of 0.125 inch thick fiberglass reinforced plastic molded into one continuous sheet starting with a 25 mil resin-rich gelcoat layer resin integrally molded with multiple layers of 1.5 oz. sq ft fiberglass mat and one layer of 18 oz per square yard fiberglass woven roving saturated with special resin. Door plate weight shall not be less than 0.97 lbs per square foot at a ratio of

30/70 glass resin.

Laminated plate by itself evaluated in accordance with Florida Building Code TAS 201 Large Missile Impact Test as per ASTM-1996-05b, Standard Specification for Performance of Exterior Windows, Curtain Wall, Doors and Storm Shutters Impacted by Windborne Debris in Hurricanes. The missile (a 2 x 4 with a weight of 9 lbs shot from a cannon at a velocity of 50 ft/sec) did not penetrate the door face plate.

a) ASTM D 638 Tensile Strength Properties of Plastic
b) ASTM D 790 Flexural Strength Properties of Plastic
c) ASTM D 2583 Indention Hardness of Plastics
d) ASTM D 256 Izod Pendulum Impact Resistance
e) ASTM D 792 Density/Specific Gravity Of Plastics
f) ASTM D 1761 Mechanical Properties of Fasteners
g) ASTM E 84 Surface Burning Characteristics of Materials
h) ASTM G 155 Xenon Light Exposure of Non Metallic Materials
i) ASTM D 635 Method For Rate of Burning
j) ASTM D 2843 Smoke Density
k) ASTM D 1929 Self Ignition Temperature Properties
l) SFBC PA 201 Impact Procedures for Large Missile Impact

3. Core Properties

a) ASTM C 177 Thermal Properties of Materials
b) ASTM D 1622 Density and Specific Gravity
c) ASTM E 84 Surface Burning Characteristics of Materials
d) WDMA TM-10 and TM-5 Firestop ASTM E 152 U.L 10(b)
e) ASTM E90-04- Sound Transmission Loss
f) ASTM E413-04- Classification for Rating Sound Insulation
g) ASTM E1332-90- Standard Classification for Determination of Outdoor-Indoor Transmission Class
h) ASTM E2235-04- Standard Test for Determination of Decay Rates for Use in Sound Insulation Methods

B. Qualifications

1. Manufacturer Qualifications: A company specialized in the manufacture of fiberglass reinforced plastic (FRP) doors and frames as specified herein with a minimum of 30 years documented experience and with a record of successful in-service performance for the applications as required for this project.
2. Installer Qualifications: An experienced installer who has completed fiberglass door and frame installations similar in material, design, and extent to those indicated and whose work has resulted in construction with a record of successful in-service performance.
3. Source limitations: Obtain fiberglass reinforced plastic doors and resin transfer molded fiberglass frames through one source fabricated from a single manufacturer, including fire rated fiberglass frames. This ensures complete

uniformity of physical properties and consistency in the resin chemistry tailored for this application.

4. Source limitations: Hardware and accessories for all FRP doors as specified in Section 08710 shall be provided and installed by the fiberglass door and frame manufacturer.
5. Source Limitations: Glass for windows in doors shall be furnished and installed by door and frame manufacturer in accordance with related section, Division 8, Glazing.

1.3 SUBMITTALS

A. Product Technical Data Including:
   1. Acknowledgment that products submitted meet requirements of standards referenced.
   2. Manufacturer shall provide certificate of compliance with current local and federal regulations as it applies to the manufacturing process.
   3. Manufacturer's installation instructions.
   4. Schedule of doors and frames indicating the specific reference numbers used on the owner's project documents, noting door type, frame type, size, handing and applicable hardware.
   5. Details of core and edge construction. including factory construction specifications.
   6. Certification of manufacturer's qualifications.

B. Submittal Drawings for Customer Approval Shall be Submitted Prior to Manufacture and Will Include the Following Information and Formatting:
   1. Summary door schedule indicating the specific reference numbers as used on owner's drawings, with columns noting door type, frame type, size, handing, accessories and hardware.
   2. A drawing depicting front and rear door elevations showing hardware with bill of material for each door.
   3. Drawing showing dimensional location of each hardware item and size of each door.
   4. Individual part drawing and specifications for each hardware item and FRP part or product.
   5. Construction and mounting detail for each frame type.

C. Samples:
   1. Provide one complete manufactured door sample which represents all aspects of the typical manufacturing process, including molded in gelcoat color and face plate construction. One edge should expose the interior of the door depicting the unique u-shaped continuous piece stile and rail, hardware reinforcement and core material.

D. Operation and Maintenance Manual
   1. Include recommended methods and frequency for maintaining optimum condition of fiberglass doors and frames under anticipated traffic and use condition.
   2. Include one set of final as built drawings with the same requirements as mentioned in Section B above.
   3. Include certificate of warranty for door and frame listing specific door registration numbers.
   4. Include hardware data sheets and hardware manufacturer's warranties.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Each door and frame shall be delivered individually crated for protection from damage in cardboard containers, clearly marked with project information, door location, specific reference number as shown on drawings, and shipping information. Each crate shall contain all fasteners necessary for installation as well as complete installation instructions.
   1. Doors shall be stored in the original container on edge, out of inclement weather for protection against the elements.
   2. Handle doors pursuant to the manufacturer's recommendations as posted on outside of crate.

1.5 WARRANTY

A. All fiberglass doors and frames have a lifetime guarantee against failure due to corrosion. Additionally, fiberglass doors and fiberglass frames are guaranteed for ten years against failure due to materials and workmanship, including warp, separation or delamination, and expansion of the core.
B. On site assistance available.

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

Subject to compliance with the Contract Documents, the following manufacturers are acceptable:

A. Chem-Pruf Door Co., Ltd., P.O. Box 4560 Brownsville, Texas 78523 Phone: 1-800-444-6924-7943, Fax: 956-544- 7943, Website: www.chem-pruf.com
B. Substitutions may be considered provided manufacturer can comply with the specifications as written herein and said products are manufactured in the United States of America. Requests for substitution must be submitted in writing no less then 10 days prior to bid date. Substitution request to include a physical sample and written documentation that product will meet the specific manufacturing methods as highlighted below.

2.2 FRP DOORS

A. Doors shall be made of fiberglass reinforced plastic (FRP) using Class 1 premium resin with no fillers that is specifically tailored to resist chemicals and contaminants typically found in environment for which these specifications are written. Doors shall be 1 ¾ inch thick and of flush construction, having no seams or cracks. For

consistency in the resin chemistry tailored for this application and to maintain the same physical properties throughout the structure, all fiberglass components including face plates, stiles and rails and frames must be fabricated by the same manufacturer. Components obtained through various outside sources for plant assembly will not be accepted.

B. Door Plates shall be 0.125 inch thick minimum, molded in one continuous piece, starting with 25 mil gelcoat of the color specified, integrally molded with multiple layers of 1.5 ounces per square foot fiberglass mat and one layer of 18 ounce per square yard fiberglass woven roving. Each layer shall be individually laminated with resin as mentioned above. Door plate weight shall not be less than 0.97 lbs per square foot at a ratio of 30/70 glass to resin. Plate alone to withstand Large Missile Impact per FBC TAS 201. Face plates manufactured using the pultrusion process does not allow for a smooth molded gelcoat finish, the use of woven roving for adequate plate thickness, strength and weight, or the appropriate glass to resin ratio and will not meet the quality standards of this project.
C. Stiles and Rails shall be constructed starting from the outside toward the inside, with a matrix of at least three layers of
1.5 ounce per square foot of fiberglass mat. The stile and rail shall be molded in one continuous piece to a U-shaped configuration and to the exact dimensions of the door. In this manner there will be no miter joints and disparate materials used to form the one-piece stile and rail.
D. Core material shall be Polypropylene plastic honeycomb core with a non woven polyester veil for unparalleled plate bonding, 180 PSI typical compression range unless otherwise requested.
E. Internal Reinforcement shall be #2 SPF of sufficient amount to adequately support required hardware and function of same.
F. Finish of door frame shall be identical with 25 mil resin-rich gelcoat of the specified color integrally molded in at time of manufacture resulting in a smooth gloss surface that is dense and non-porous. To achieve optimum surface characteristics, the gelcoat shall be cured within a temperature range of 120F to 170F creating an impermeable outer surface, uniform color throughout, and a permanent homogeneous bond with the resin/fiberglass substrate beneath. Only the highest quality gelcoat will be used to ensure enduring color and physical properties. Paint and/or post application of gelcoat results in poor mechanical fusion and will be deemed unacceptable for this application. The finish of the door and frame must be field repairable without compromising the integrity of the original uniform composite structure, function or physical strength.

G. Window openings shall be provided for at time of manufacture and shall be completely sealed so that the interior of the door is not exposed to the environment. Fiberglass retainers, which hold the glazing in place, shall be resin transfer molded with a profile that drains away from glazing. The window retainer must match the color and finish of the door plates with 25 mil of resin-rich gelcoat integrally molded in at time of manufacture. Mechanical fasteners shall not be used to attach retainers. Glass, as specified herein, shall be furnished and installed by door and frame manufacturer. In order to maintain uniform appearance, product longevity and the corrosion resistance this application requires, window retainers fabricated from Metal, PVC or Vinyl will not be accepted.
H. Louver openings shall be completely sealed so that the interior of the door is not exposed to the environment. Louvers are to be solid fiberglass “V” Vanes and shall match the color and finish of the door plates.
I. Transoms shall be identical to the doors in finish, construction, materials, thickness and reinforcement.

2.3 FRP FRAMES

A. Frames (rated and non-rated) shall be fiberglass and manufactured using the resin transfer method creating one solid piece (no voids) with complete uniformity in color and size. Beginning with a minimum 25 mil gelcoat layer molded in and a minimum of two layers of continuous strand fiberglass mat saturated with resin, the frame will be of one-piece construction with molded stop. All frame profiles shall have a core material of 2 psf polyurethane foam. Metal frames or pultruded fiberglass frames will not be accepted.
B. Finish of frame shall be identical to the door with 25 mil resin-rich gelcoat of the specified color integrally molded in at time of manufacture. To achieve optimum surface characteristics, the gelcoat shall be cured within a temperature range of 120F to 170F creating an impermeable outer surface, uniform color throughout, and a permanent homogeneous bond with the resin/fiberglass substrate beneath. Only the highest quality gelcoat will be used to ensure enduring color and physical properties. Paint and/or post application of gelcoat result in poor mechanical fusion and will be deemed unacceptable for this application. The finish of the door and frame must be field repairable without compromising the integrity of the original uniform composite structure, function or physical strength.
C. Jamb/Header connection shall be mitered for tight fit.
D. Internal Reinforcement shall be continuous within the structure to allow for mounting of specified hardware. Reinforcing material shall be a dense matrix of cloth glass fibers and premium resin with a minimum hinge screw holding value of 1000 lbs per screw. All reinforcing materials shall be completely encapsulated. Documented strength of frame screw holding value after third insert must be submitted. Dissimilar materials, such as steel, will be deemed unacceptable as reinforcement for hardware attachment.
E. Mortises for hardware shall be accurately machined by CNC to hold dimensions to +/- 0.010 inch in all three axis.
F. Hinge pockets shall be accurately machined by CNC to facilitate heavy duty hinges at all hinge locations, using shims when standard weight hinges are used.

2.4 HARDWARE

A. See Section 08710
B. The special nature of this material requires that all related hardware as specified must be furnished and installed by the door frame manufacturer to maintain product quality and function as well as to ensure sufficient support/reinforcement, precision tooling and proper sealing methods are provided.

PART 3 – EXECUTION

3.1 INSTALLATION CONDITIONS

A. Verification of Conditions
   1. Verify openings are correctly prepared to receive doors and frames.
   2. Verify openings are correct size and depth in accordance with submittal drawings.
B. Installer's Examination
   1. Door installer shall examine conditions under which construction activities of this section are to be performed and submit a written report to general contractor if conditions are unacceptable.
   2. General Contractor shall submit two copies of the installer's report to the architect within 24 hours of receipt.
   3. Installer shall not proceed with installation until all unacceptable conditions have been corrected.

3.2 INSTALLATION

A. Doors shall be delivered at job site individually crated. Each crate to be clearly marked with the specific opening information for quick and easy identification.
B. All single doors to be shipped completely assembled in the frame with hardware installed. Double doors to be prehung at the factory to ensure a proper fit and that hardware functions properly, then disassembled for shipping purposes.
C. Install door opening assemblies in accordance with shop drawings and manufacturer's printed installation instructions, using installation methods and materials specified in installation instructions.
D. Field alteration of doors or frames to accommodate field conditions is strictly prohibited.
E. Site tolerances: Maintain plumb and level tolerance specified in manufacturer's printed installation instructions.
F. Fire labeled doors, frames and any associated hardware must be installed by qualified professional installers in strict accordance with manufacturer's instructions and the latest revision of NFPA 80.

3.3 ADJUSTING

A. Adjust doors in accordance with the door manufacturer's maintenance instructions to swing open and shut without binding and to remain in place at any angle without being moved by gravitational influence.
B. Adjust door hardware to operate correctly in accordance with hardware manufacturer's maintenance instruction.

3.4 CLEANING

A. Clean surfaces of door opening assemblies and exposed door hardware in accordance with respective manufacturer's maintenance instructions.

3.5 PROTECTION OF INSTALLED PRODUCTS

A. Protect door opening assemblies and door hardware from damage by subsequent construction activities until final inspection.

End of Section

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
PHASE 1: 3-STORY AND NATATORIUM ADDITION

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LINDA POLESEL

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ASSISTANT SUPERINTENDENT:	DR. CASSANDRA SHIPP
DIRECTOR OF OPERATIONS:	SAM ARNES
WHITELAND HIGH SCHOOL PRINCIPAL:	DUKE LINES
ATHLETIC DIRECTOR:	DAVID EDENS

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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
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JERRY L CRIPPS
REGISTERED
NO
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STATE OF
INDIANA

REVISIONS:

#	DATE	DESC.

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G000

Clark-Pleasant Community School Corporation

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PRIMARY ENGINEERING INC

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DESIGN 27 TECHNOLOGY + ACOUSTICS

Counsilman-Hunsaker AQUATICS FOR LIFE

SKILLMAN

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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
PHASE 1: 3-STORY AND NATATORIUM ADDITION

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08-11-2023

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Whiteland Community High School

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ATHLETIC DIRECTOR:	DAVID EDENS

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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

JERRY L CRIPPS REGISTERED NO 8800139 STATE OF INDIANA

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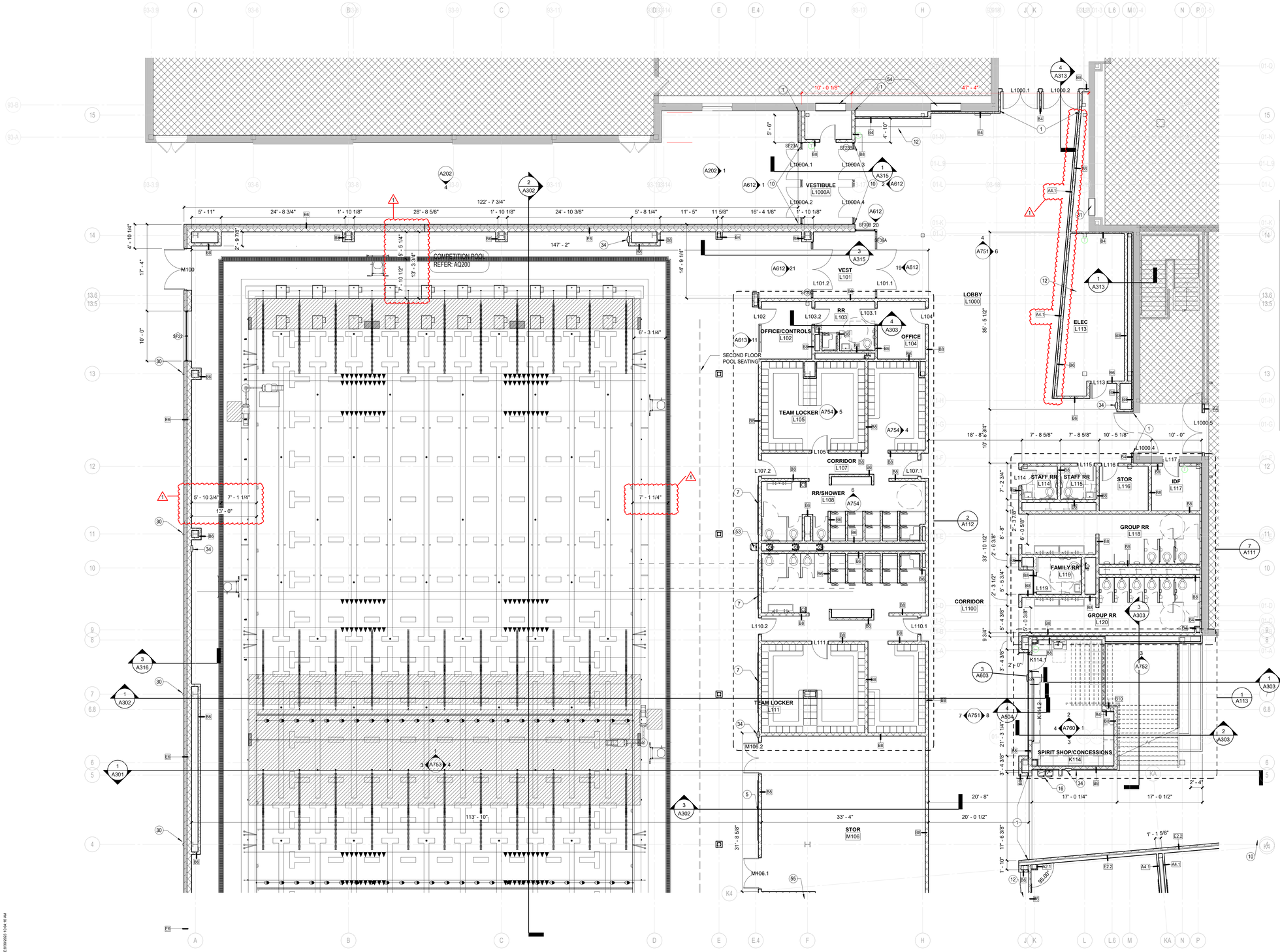
COVER - VOLUME 2

G001



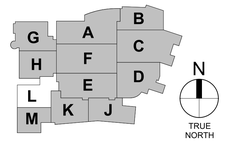
1 FLOOR PLAN - FIRST FLOOR - UNIT L
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE 6'-0" HIGH CORNER GUARDS AT ALL OUTSIDE CORNERS WITH GYPSUM BOARD FINISH. FLOOR TO CEILING HEIGHT
2. PROVIDE BULL-NOSE FINISH ON ALL OUTSIDE CORNERS OF CMU WALLS
3. SEE ELEVATIONS FOR MASONRY TYPE AND SIZE
4. PROVIDE SOLID SURFACE WINDOW SILLS @ ALL STOREFRONT GLAZING SILLS ABOVE FINISHED FLOOR HEIGHT. WINDOW SILL TO EXTEND 1" PAST FINISHED WALL SURFACE, TYP. UNLESS OTHERWISE NOTED
5. SEE A110s FOR ENLARGED PLANS
6. VIF ALL DIMENSIONS FOR WINDOWS AND CASEWORK
7. INTERIOR DIMENSIONS ARE TAKEN TO THE FACE OF MASONRY OR STUDS
8. FOR ALL RESTROOM FACILITIES WITH GYPSUM WALL FINISH REPLACE 5/8" TYPE "X" GYPSUM BOARD W/HT 5/8" MOISTURE RESISTANT GYPSUM BOARD. SEE SPECS FOR DETAILS
9. WHERE COLUMN IS NOT INDICATED TO BE WRAPPED, PAINT IT P2
10. TYPICAL FLOOR PLAN ANGLE IS 5 DEGREES FROM CARDINAL DIRECTIONS
11. WALLS TO GO UP TO DECK UNLESS OTHERWISE NOTED
12. PROVED WINDOW SHADES AT ALL EXTERIOR AND INTERIOR STOREFRONTS
13. PROVIDE NEW SIGNAGE ON ALL EXTERIOR DOORS AROUND THE BUILDING SHOWING UPDATED DOOR NUMBERS

PLAN NOTES - FLOOR PLAN

1 FLOOR/WALL EXPANSION JOINT AND COVER
5 WALL-MOUNTED MARKERBOARD, 12'-0" X 4'-0"
6 WALL-MOUNTED MARKERBOARD, 16'-0" X 4'-0"
7 WALL-MOUNTED MARKERBOARD, 24'-0" X 4'-0"
8 WALL-MOUNTED GLASS MARKERBOARD 6'-0"X13'4"
9 WOOD BENCH IN ALCOVE OVER CMU WALL
10 SECURITY GLAZING UP TO 7'-0"
11 SECURITY GLAZING UP TO CEILING
12 CUSTUM DISPLAY CASE & BENCH. REFER TO INTERIOR ELEVATION
13 DISPLAY CASE. REFER TO INTERIOR
14 PERFORATED METAL PANEL HAND RAILS AND GUARD RAILS
15 SOLID SURFACE COUNTERTOP AT 42" AFF
16 WALL MOUNTED BI-LEVEL DRINKING FOUNTAIN & BOTTLE FILLER
18 SCIENCE TABLE SIMILAR TO SHELDON LABS AXIS TABLE, FIXED HEIGHT. COORDINATE FINAL LAYOUT WITH THE MANUFACTURER. LOCATE PLUMBING AND ELECTRICAL PENETRATIONS AFTER THE COORDINATION
20 FUME HOOD
21 ELEVATOR SIMILAR TO TK ELEVATOR ENDURA, 5,000 LB CAPACITY
22 EMERGENCY WASH STATION
23 WALL-MOUNTED MONITOR
30 DOWNSPOUT
31 INFILL WALLOPENING AND MATCH EXISTING WALL CONSTRUCTION. PATCH WALL BASE
32 EMERGENCY SHOWER AND EYEWASH STATION
33 FREE STANDING FLOOR MOUNTED LAUNDRY SINK
34 SEMI-RECESS FIRE EXTINGUISHER AND CABINET
35 ALUMINUMGLASS GUIRADRAIL, FACE-MOUNTED TO THE BULKHEAD
36 ALUMINUMHANDRAIL MOUNTED TO THE WALL
37 ALUMINUMHANDRAIL MOUNTED TO THE FLOOR
38 PLASTIC BLEACHER SEATS MOUNTED TO CONCRETE RISERS
39 PRE-MANUFACTURED STEEL STAIR
40 SANITIZING SAFETY GLASSES CABINET
41 FIRST AID CABINET
42 FIRE BLANKET CABINET
44 PATCH FLOOR SLAB AFTER REMOVING WALL BELOW THE LOUVER
45 RELOCATE EXISTING DUST COLLECTION SYSTEM
46 PATCH EXISTING SLAB AS NEEDED TO ACCOMMODATE NEW WORK
47 CONCRETE BENCH SEAT,SEE LA AND STR DRAWING
48 COPIER BY OWNER
49 REFRIGERATORR BY OWNER
50 PATCH EXISTING WALL AND BRICK IN THE WINDOW INFILLS
51 ALIGN NEW STOREFRONT WITH EXISTING MULLIONS
52 SLIDING SECURITY GATE SIMILAR TO CORNELL MODEL ESC31. WITH ACRYLIC INFILL PANELS. PROVIDE CONTINUOUS HINGE ON THE POCKET DOOR
53 DRINKING FOUNTAIN WITH BOTTLE FILLER
54 INFILL WINDOW TO MATCH ADJACENT WALL
55 MOP SINK
56 PROVIDE MULLION MATE CONNECTION BETWEEN WALL AND MULLION OR SIMILAR
57 GUARD RAIL AND GATES
58 LADDER RUNGS
59 ENCASE COLUMN IN CONCRETE, SEE STRUCTURAL



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1	08/30/202 3	ADDENDUM 01	

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PROJECT:	#22130
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FLOOR PLAN - FIRST FLOOR - UNIT L

A101L

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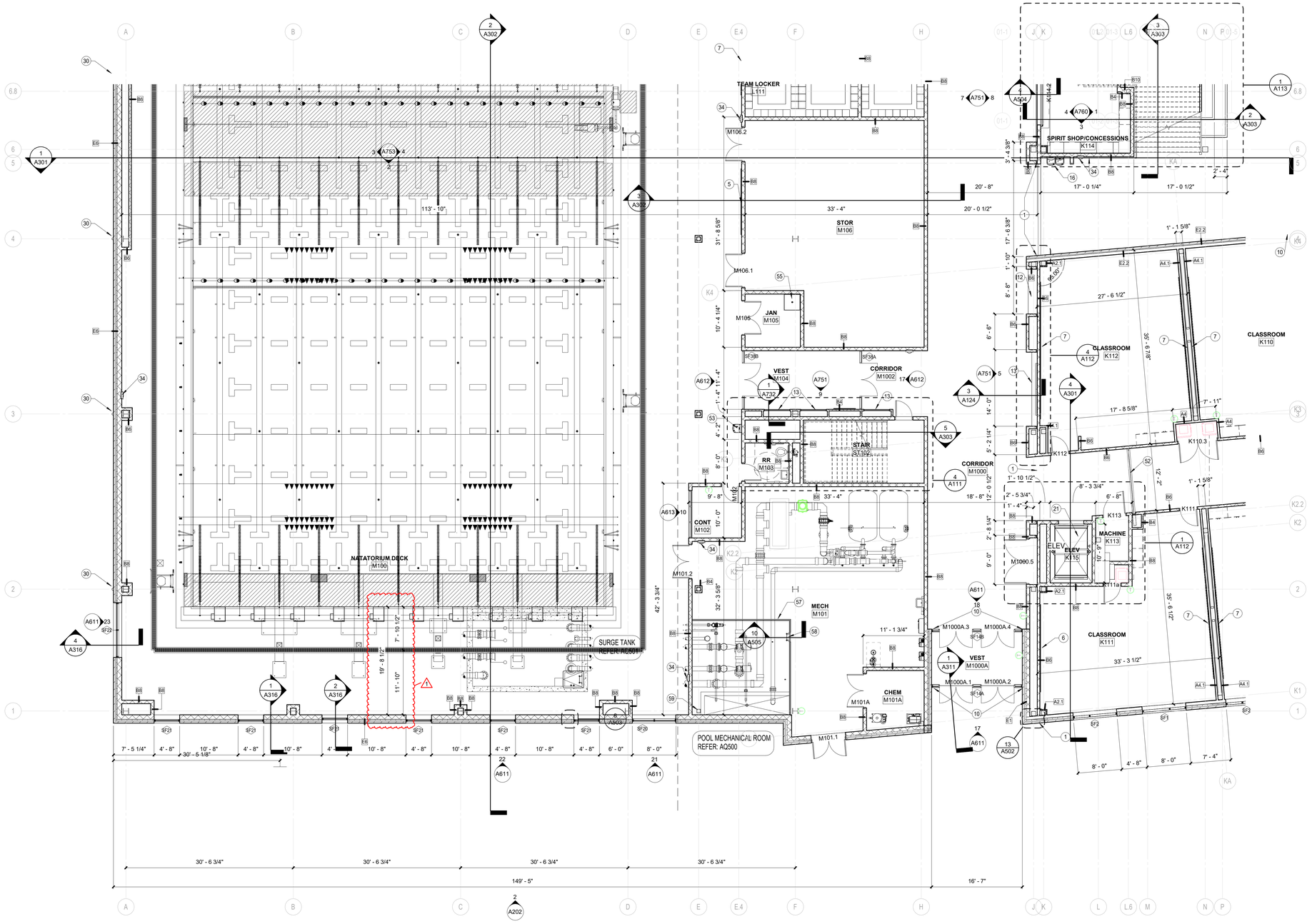


1 FLOOR PLAN - FIRST FLOOR - UNIT M
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE 6'-0" HIGH CORNER GUARDS AT ALL OUTSIDE CORNERS WITH GYPSUM BOARD FINISH. FLOOR TO CEILING HEIGHT
2. PROVIDE BULL-NOSE FINISH ON ALL OUTSIDE CORNERS OF CMU WALLS
3. SEE ELEVATIONS FOR MASONRY TYPE AND SIZE
4. PROVIDE SOLID SURFACE WINDOW SILLS @ ALL STOREFRONT GLAZING SILLS ABOVE FINISHED FLOOR HEIGHT. WINDOW SILL TO EXTEND 1" PAST FINISHED WALL SURFACE, TYP. UNLESS OTHERWISE NOTED
5. SEE A110s FOR ENLARGED PLANS
6. VIF ALL DIMENSIONS FOR WINDOWS AND CASEWORK
7. INTERIOR DIMENSIONS ARE TAKEN TO THE FACE OF MASONRY OR STUDS
8. FOR ALL RESTROOM FACILITIES WITH GYPSUM WALL FINISH REPLACE 5/8" TYPE "X" GYPSUM BOARD W/HT 5/8" MOISTURE RESISTANT GYPSUM BOARD, SEE SPECS FOR DETAILS
9. WHERE COLUMN IS NOT INDICATED TO BE WRAPPED, PAINT IT P2
10. TYPICAL FLOOR PLAN ANGLE IS 5 DEGREES FROM CARDINAL DIRECTIONS
11. WALLS TO GO UP TO DECK UNLESS OTHERWISE NOTED
12. PROVED WINDOW SHADES AT ALL EXTERIOR AND INTERIOR STOREFRONTS
13. PROVIDE NEW SIGNAGE ON ALL EXTERIOR DOORS AROUND THE BUILDING SHOWING UPDATED DOOR NUMBERS

PLAN NOTES - FLOOR PLAN

1 FLOOR/WALL EXPANSION JOINT AND COVER
5 WALL-MOUNTED MARKERBOARD, 12'-0" X 4'-0"
6 WALL-MOUNTED MARKERBOARD, 16'-0" X 4'-0"
7 WALL-MOUNTED MARKERBOARD, 24'-0" X 4'-0"
8 WALL-MOUNTED GLASS MARKERBOARD 6'-0"X13'4"
9 WOOD BENCH IN ALCOVE OVER CMU WALL
10 SECURITY GLAZING UP TO 7'-0"
11 SECURITY GLAZING UP TO CEILING
12 CUSTUM DISPLAY CASE & BENCH, REFER TO INTERIOR ELEVATION
13 DISPLAY CASE, REFER TO INTERIOR
14 PERFORATED METAL PANEL HAND RAILS AND GUARD RAILS
15 SOLID SURFACE COUNTERTOP AT 42" AFF
16 WALL MOUNTED BI-LEVEL DRINKING FOUNTAIN & BOTTLE FILLER
18 SCIENCE TABLE SIMILAR TO SHELDON LABS AXIS TABLE, FIXED HEIGHT. COORDINATE FINAL LAYOUT WITH THE MANUFACTURER. LOCATE PLUMBING AND ELECTRICAL PENETRATIONS AFTER THE COORDINATION
20 FUME HOOD
21 ELEVATOR SIMILAR TO TK ELEVATOR ENDURA, 5,000 LB CAPACITY
22 EMERGENCY WASH STATION
23 WALL-MOUNTED MONITOR
30 DOWNSPOUT
31 INFILL WALLOPENING AND MATCH EXISTING WALL CONSTRUCTION. PATCH WALL BASE
32 EMERGENCY SHOWER AND EYEWASH STATION
33 FREE STANDING FLOOR MOUNTED LAUNDRY SINK
34 SEMI-RECESS FIRE EXTINGUISHER AND CABINET
35 ALUMINUM/GLASS GURADRAIL, FACE-MOUNTED TO THE BULKHEAD
36 ALUMINUMHANDRAIL MOUNTED TO THE WALL
37 ALUMINUMHANDRAIL MOUNTED TO THE FLOOR
38 PLASTIC BLEACHER SEATS MOUNTED TO CONCRETE RISERS
39 PRE-MANUFACTURED STEEL STAIR
40 SANITIZING SAFETY GLASSES CABINET
41 FIRST AID CABINET
42 FIRE BLANKET CABINET
44 PATCH FLOOR SLAB AFTER REMOVING WALL BELOW THE LOUVER
45 RELOCATE EXISTING DUST COLLECTION SYSTEM
46 PATCH EXISTING SLAB AS NEEDED TO ACCOMMODATE NEW WORK
47 CONCRETE BENCH SEAT,SEE LA AND STR DRAWING
48 COPIER BY OWNER
49 REFRIGERATORR BY OWNER
50 PATCH EXISTING WALL AND BRICK IN THE WINDOW INFILLS
51 ALIGN NEW STOREFRONT WITH EXISTING MULLIONS
52 SLIDING SECURITY GATE SIMILAR TO CORNELL MODEL ESC31. WITH ACRYLIC INFILL PANELS. PROVIDE CONTINUOUS HINGE ON THE POCKET DOOR
53 DRINKING FOUNTAIN WITH BOTTLE FILLER
54 INFILL WINDOW TO MATCH ADJACENT WALL
55 MOP SINK
56 PROVIDE MULLION MATE CONNECTION BETWEEN WALL AND MULLION OR SIMILAR
57 GUARD RAIL AND GATES
58 LADDER RUNGS
59 ENCASE COLUMN IN CONCRETE, SEE STRUCTURAL

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS:

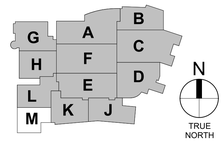
#	Date	Desc.
1	08/30/202 3	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

PROJECT:	#22130
DATE:	08-11-2023
DRAWN BY:	Author

FLOOR PLAN - FIRST FLOOR - UNIT M

A101M



PLOT DATE/TIME:8/30/2023 10:03:29 AM

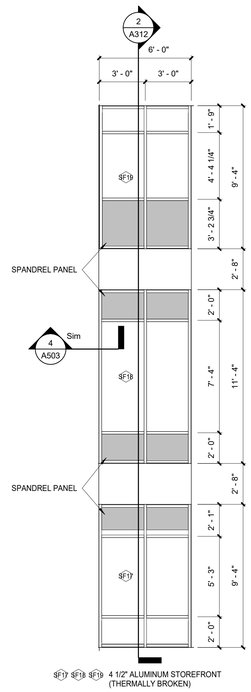
GENERAL NOTES: WINDOW SCHEDULE

1. FIELD VERIFY ALL DIMENSIONS

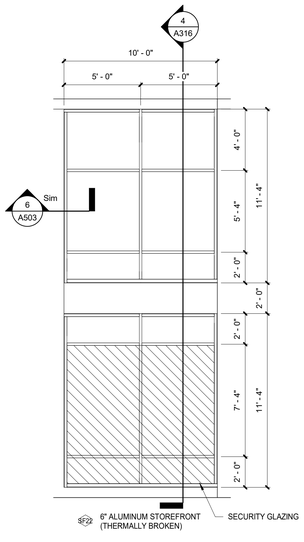
2. STOREFRONTS 0'0"-10'0" IN HEIGHT TO BE 4.5" STOREFRONTS. STOREFRONTS 10'0"-12'0" IN HEIGHT TO BE 6" STOREFRONTS

SECURITY GLAZING

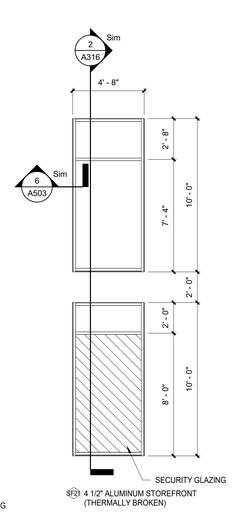
SPANDREL PANEL



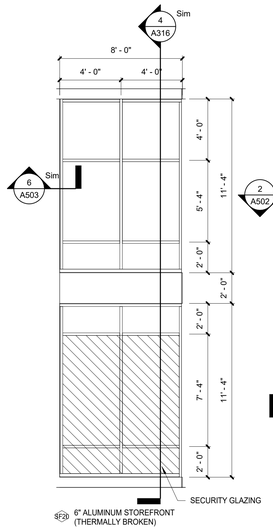
24 SF17 , SF18, SF19
SCALE: 1/4" = 1'-0"



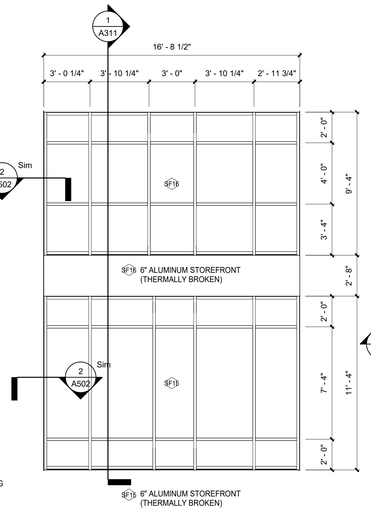
23 STOREFRONT SF22
SCALE: 1/4" = 1'-0"



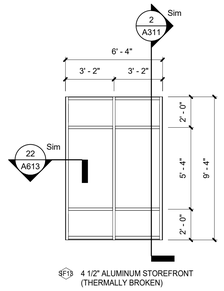
22 STOREFRONT SF21
SCALE: 1/4" = 1'-0"



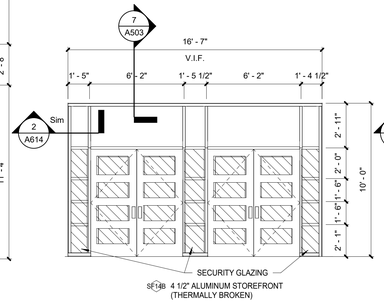
21 STOREFRONT SF20
SCALE: 1/4" = 1'-0"



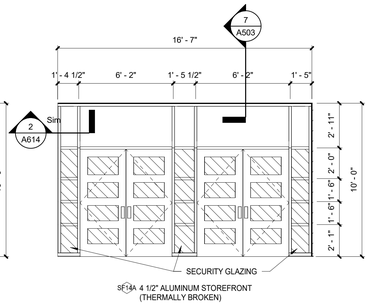
20 STOREFRONT SF15 & 16
SCALE: 1/4" = 1'-0"



19 STOREFRONT SF13
SCALE: 1/4" = 1'-0"



18 STOREFRONT SF14B
SCALE: 1/4" = 1'-0"



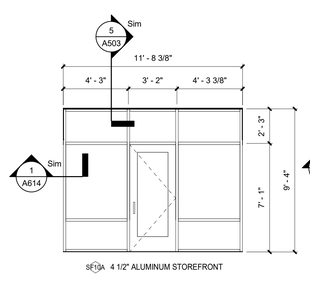
17 STOREFRONT SF14A
SCALE: 1/4" = 1'-0"

16 STOREFRONT SF12B
SCALE: 1/4" = 1'-0"

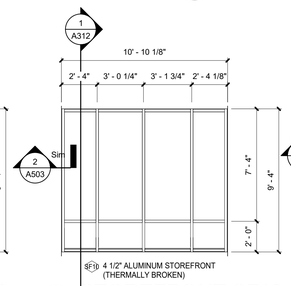
15 STOREFRONT SF12A
SCALE: 1/4" = 1'-0"

14 STOREFRONT SF11A
SCALE: 1/4" = 1'-0"

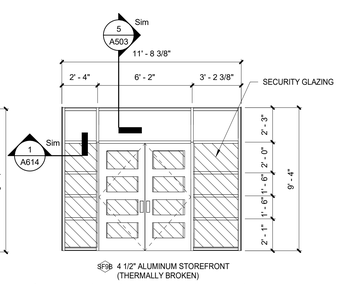
13 STOREFRONT SF11
SCALE: 1/4" = 1'-0"



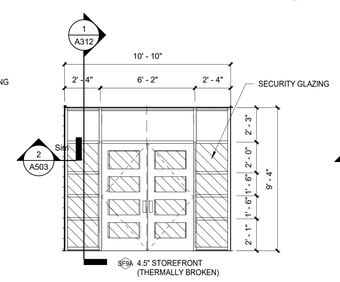
12 STOREFRONT SF10A
SCALE: 1/4" = 1'-0"



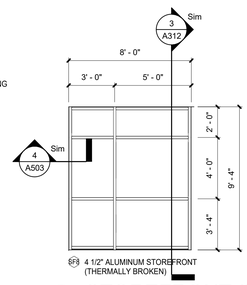
11 STOREFRONT SF10
SCALE: 1/4" = 1'-0"



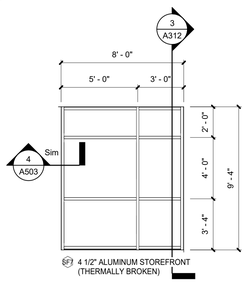
10 STOREFRONT SF9B
SCALE: 1/4" = 1'-0"



9 STOREFRONT SF9A
SCALE: 1/4" = 1'-0"



8 STOREFRONT SF8
SCALE: 1/4" = 1'-0"



7 STOREFRONT SF7
SCALE: 1/4" = 1'-0"

6 STOREFRONT SF6
SCALE: 1/4" = 1'-0"

5 STOREFRONT SF5
SCALE: 1/4" = 1'-0"

4 STOREFRONT SF4
SCALE: 1/4" = 1'-0"

3 STOREFRONT SF3
SCALE: 1/4" = 1'-0"

2 STOREFRONT SF2
SCALE: 1/4" = 1'-0"

1 STOREFRONT SF1
SCALE: 1/4" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS:

#	Date	Desc.
1	08/30/202 3	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 08-11-2023
DRAWN BY: Author

WINDOW SCHEDULE

A611

PLOT DATE/TIME 8/30/2023 6:48:19 PM

GENERAL FINISH PLAN NOTES

A. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL REPAIR AS NECESSARY FOR SUBSTRATE TO ACCEPT NEW MATERIALS.

B. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPAIR ALL EXISTING WALLS, SLAB, AND CEILINGS TO A CONDITION SUITABLE FOR ACCEPTING NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. MINIMUM LEVEL 4 FINISH ON EXISTING AND NEW WALLS, UNLESS NOTED OTHERWISE.

C. ALL FLOORING TRANSITIONS TO COMPLY WITH ADA GUIDELINES AND TO OCCUR UNDER CENTOR OF DOORWAYS, AND OR AT CENTERLINE OF WALL. UNLESS INDICATED DIFFERENTLY ON FINISH PLANS.

D. CONTRACTOR TO PROVIDE PROTECTION AS NEEDED DURING CONSTRUCTION, IF ANY TO PRESERVE NEW FINISHES WHILE COMPLETING CONSTRUCTION.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFACTION OF DIMENSIONS AND JOB CONDITIONS. ANY DEVIATION FROM WHAT IS INDICATED ON THE FINISH PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND DESIGNERS.

F. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH MATERIAL, UNLESS INDICATED OTHERWISE ON PLANS.

G. WHERE WALLS ARE INDICATED TO RECEIVE PAINT FINISH, PAINT ALL PRIMED GRILLES, FIRE EXTINGUISHER CABINERS, AND OTHER ITEMS EMBEDDED IN WALL CONSTRUCTION TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS NOTED OTHERWISE.

H. CONTRACTOR TO PROVIDE DRYWALL REVEAL JOINT WHERE DRYWALL MEETS DISSIMILAR MATERIALS.

I. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.

J. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

K. IF ONLY PAINT IS INDICATED AS THE FINISH, REFER TO ARCHITECTURAL FLOOR PLANS FOR SUBSTRATE INFORMATION.

L. ALL TERRAZZO EDGES ARE TO BE SANDED AND FINISHED TO WHERE TERRAZZO MEETS DISSIMILAR FLOORING.

M. REFER TO INTERIOR TRANSITION DETALS SHEET A731 FOR TRANSITION STRIP PRODUCT DETAILS.

N. ALL MECHANICAL CLOSETS TO HAVE A SEALED CONCRETE FLOOR FINISH. PROVIDE RESILIENT REDUCER TO MATCH RB-1 UNDER CENTER OF DOORWAY.

O. ALL WALLS AND CEILINGS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

P. METAL DIVIDER STRIPS TO BE PROVIDED AT EACH TERRAZZO COLOR CHANGE. DESIGNER TO APPROVE COLOR.

Q. ALL WINDOWS TO RECEIVE SOLID SURFACE SILL, SS-3.

R. ALL HM DOOR FRAMES ARE TO BE PAINTED PT-6 UNLESS NOTED OTHERWISE.

S. REFERENCE ELEVATIONS FOR CUSTOM WALL GRAPHICS.

T. WHERE FLOORING PATTERN GRAIN CHANGES AT CORRIDORS, INSTALLER MUST HAVE A DESIGNER PRESENT FOR REVIEW MEETING PRIOR TO INSTALLATION OF ANY FLOORING.

U. ALL GYPSUM BOARD CEILING AND BULKHEADS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

V. ALL EXPOSED STEEL COLUMNS THAT ARE IN ATRIUM J1000 AND K1000 TO BE PAINTED PT-1. ALL OTHERS TO MATCH ADJACENT WALL COLOR.

1

FINISH LEGEND

FLOOR COVERING

CARPET TILE

CPT-1:
- MFG: INTERFACE
- TYPE: 25CM X 1M CARPET PLANK
- PATTERN: STREAMING COLLECTION - BITRATE
- COLOR: 106305 DARK BLUE
- INSTALL: ASHLAR, REF. PLAN FOR DIRECTION
- LOCATION: CLASSROOMS
- CONTACT: JAE PARK 317-459-8762

CPT-2:
- MFG: INTERFACE
- TYPE: 25CM X 1M CARPET PLANK
- PATTERN: NIGHT LIGHTS COLLECTION - LUMINESCENT
- COLOR: IRON AZURE
- INSTALL: 90% ASHLAR, REF. PLAN FOR DIRECTION
- LOCATION: FLEX SPACE
- CONTACT: JAE PARK 317-459-8762

CPT-3:
- MFG: INTERFACE
- TYPE: 25CM X 1CM CARPET PLANK
- PATTERN: NIGHT LIGHTS COLLECTION - LUMINESCENT
- COLOR: NICKEL PERSIMMON
- INSTALL: 10% RANDOM ASHLAR, REF. PLAN FOR DIRECTION
- LOCATION: FLEX SPACE
- CONTACT: JAE PARK 317-459-8762

WOC-1:
- MFG: INTERFACE
- TYPE: 50CM X 50CM WALK-OFF
- PATTERN: STEP REPEAT SR799
- COLOR: 104936 IRON
- INSTALL: QUARTER-TURN
- LOCATION: VESTIBULES
- CONTACT: JAE PARK 317-459-8762

RESILIENT FLOOR

LVT-1:
- MFG: INTERFACE
- TYPE: 25CM X 1CM LUXURY VINYL TILE
- PATTERN: A007 STUDIO SET
- COLOR: A00702 PEWTER
- INSTALL: ASHLAR, REF. PLAN FOR DIRECTION
- LOCATION: HALLWAYS
- CONTACT: JAE PARK 317-459-8762

LVT-2:
- MFG: INTERFACE
- TYPE: 25CM X 1CM LUXURY VINYL TILE
- PATTERN: A007 STUDIO SET
- COLOR: A00720 ROYAL BLUE
- INSTALL: ASHLAR, REF. PLAN FOR DIRECTION
- LOCATION: HALLWAYS, ALCOVES
- CONTACT: JAE PARK 317-459-8762

EPX-1:
- MFG: SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING
- TYPE: RESUFLOR 1/4" DECO FLAKE BC EPOXY SYSTEM
- COLOR: REBEL BLUE
- INSTALL: MONOLITHIC, 4" INTEGRAL COVE BASE REF. SPECS
- LOCATION: LOCKER ROOMS, RESTROOMS,
- CONTACT: SCOTT KAISER 503-319-5209

EPX-2:
- MFG: SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING
- TYPE: RESUFLOR 1/8" DECO FLAKE BC EPOXY SYSTEM WITH CLEAR CHEMICAL RESISTANT TOPCOAT
- COLOR: REBEL BLUE
- INSTALL: MONOLITHIC, 4" INTEGRAL COVE BASE REF. SPECS
- LOCATION: SCIENCE LABS
- CONTACT: SCOTT KAISER 503-319-5209

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EPX-3:
- MFG: SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING
- TYPE: FASTOP MULTI TOPFLOOR SL23
- COLOR: DARK GRAY
- INSTALL: MONOLITHIC, 4" INTEGRAL COVE BASE REF. SPECS
- LOCATION: POOL MECHANICAL/CHEMICAL
- CONTACT: SCOTT KAISER 503-319-5209

FLOOR COVERING (CONT.)

TERRAZZO

TER-1:
- MFG: SANTAROSSA TILE
- TYPE: VITRIFIED EPOXY TERRAZZO
- COLOR: GRAY BUTTON (MATRIX), 5% DARK BLUE GLASS #1, 5% DARK BLUE GLASS #0, 10% GEORGIA WHITE #0, 50% GEORGIA WHITE #1, 10% BEIGE BLEND #1, 20% CHINA WHITE #1, DESIGNER TO APPROVE
- INSTALL: REF. SPECS. METAL TRANSITION STRIP TO BE USED AT ALL TRANSITIONS, REF. FINISH PLAN.
- LOCATION: ATRIUM, NATATORIUM CORRIDOR
- CONTACT: ERIC SANTAROSSA 317-632-5567

TER-2:
- MFG: SANTAROSSA TILE
- TYPE: VITRIFIED EPOXY TERRAZZO
- COLOR: ERMINE WHITE (MATRIX), 5% DARK BLUE GLASS #1, 5% DARK BLUE GLASS #0, 10% GEORGIA WHITE #0, 50% GEORGIA WHITE #1, 10% BEIGE BLEND #1, 20% CHINA WHITE #1, DESIGNER TO APPROVE.
- INSTALL: REF. SPECS. METAL TRANSITION STRIP TO BE USED AT ALL TRANSITIONS, REF. FINISH PLAN
- LOCATION: ATRIUM, NATATORIUM CORRIDOR
- CONTACT: ERIC SANTAROSSA 317-632-5567

TER-3:
- MFG: SANTAROSSA TILE
- TYPE: VITRIFIED EPOXY TERRAZZO
- COLOR: GREAT SMOKIES(MATRIX), 5% DARK BLUE GLASS #1, 5% DARK BLUE GLASS #0, 10% GEORGIA WHITE #0, 50% GEORGIA WHITE #1, 10% BEIGE BLEND #1, 20% CHINA WHITE #1, DESIGNER TO APPROVE.
- INSTALL: REF. SPECS. METAL TRANSITION STRIP TO BE USED AT ALL TRANSITIONS, REF. FINISH PLAN
- LOCATION: ATRIUM, NATATORIUM CORRIDOR
- CONTACT: ERIC SANTAROSSA 317-632-5567

TER-4:
- MFG: SANTAROSSA TILE
- TYPE: VITRIFIED EPOXY TERRAZZO
- COLOR: LEGENDARY BLUE (MATRIX), 25% MIRROR #1, 37.5% SKY BLUE GLASS #1, 37.5% CLEAR GLASS #1 - DESIGNER TO APPROVE
- INSTALL: REFER TO ENLARGED FLOOR FINISH PLAN
- LOCATION: ATRIUM LOGO/EMBLEM - FINAL LOGO DESIGN TO BE DETERMINED

TER-5:
- MFG: SANTAROSSA TILE
- TYPE: VITRIFIED EPOXY TERRAZZO
- COLOR: REALLY ORANGE (MATRIX), 25% CHUNKY ORANGE #1, 65% CRYSTAL CLEAR GLASS #1, 10% ONE SIDED MIRROR #1 - DESIGNER TO APPROVE
- INSTALL: REFER TO ENLARGED FLOOR FINISH PLAN
- LOCATION: ATRIUM LOGO/EMBLEM - FINAL LOGO DESIGN TO BE DETERMINED

TER-6:
- MFG: SANTAROSSA TILE
- TYPE: VITRIFIED EPOXY TERRAZZO
- COLOR: ERMINE WHITE (MATRIX), 30% POLAR WHITE #1, 15% MIRROR #1, 50% GEORGIA WHITE #1, 5% CHINA WHITE #1
- INSTALL: REFER TO ENLARGED FLOOR FINISH PLAN
- LOCATION: ATRIUM LOGO/EMBLEM - FINAL LOGO DESIGN TO BE DETERMINED

FLOOR COVERING (CONT.)

FLOOR TILE

FT-1:
- MFG: DALTILE
- TYPE: COLOR-BODY PORCELAIN MOSAIC
- PATTERN: KEYSTONES
- SIZE: 2"X2"
- COLOR: ARTIC WHITE D617
- GROUT: MAPEI, PEWTER 02
- LOCATION: FROM POOL EDGE TO TRENCH DRAIN, REF. PLAN.
- CONTACT: ROBIN BRADFORD 317-946-0823

FT-2:
- MFG: DALTILE
- TYPE: COLOR-BODY PORCELAIN MOSAIC
- PATTERN: KEYSTONES
- SIZE: 2"X2"
- COLOR: NAUTICAL BLUE D621
- GROUT: MAPEI, PEWTER 02
- LOCATION: POOL DECK, ADJACENT TO TRENCH DRAIN, REF. PLAN.
- CONTACT: ROBIN BRADFORD 317-946-0823

FT-3:
- MFG: DALTILE
- TYPE: COLOR-BODY PORCELAIN MOSAIC
- PATTERN: KEYSTONES
- SIZE: 2"X2"
- COLOR: DESERT GRAY SPECKLE D200
- GROUT: MAPEI, PEWTER 02
- LOCATION: FROM TRENCH DRAIN TO REST OF POOL DECK, REF. PLAN.
- CONTACT: ROBIN BRADFORD 317-946-0823

CONCRETE

S-CON:
- TYPE: SEALED CONCRETE, REF. SPECS

SS-CON:
- TYPE: STAINED AND SEALED CONCRETE, REF. SPECS

WALL BASE

EPOXY BASE

EB-1:
- MFG: SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING
- TYPE: RESUFLOR 1/4" DECO FLAKE BC EPOXY SYSTEM
- COLOR: REBEL BLUE
- INSTALL: MONOLITHIC, 4" INTEGRAL COVE BASE REF. SPECS
- LOCATION: LOCKER ROOMS, RESTROOMS,
- CONTACT: SCOTT KAISER 503-319-5209

EB-2:
- MFG: SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING
- TYPE: RESUFLOR 1/8" DECO FLAKE BC EPOXY SYSTEM WITH CLEAR CHEMICAL RESISTANT TOPCOAT
- COLOR: REBEL BLUE
- INSTALL: MONOLITHIC, 4" INTEGRAL COVE BASE REF. SPECS
- LOCATION: SCIENCE LABS
- CONTACT: SCOTT KAISER 503-319-5209

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EB-3:
- MFG: SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING
- TYPE: FASTOP MULTI TOPFLOOR SL23
- COLOR: DARK GRAY
- INSTALL: MONOLITHIC, 4" INTEGRAL COVE BASE REF. SPECS
- LOCATION: POOL MECHANICAL/CHEMICAL
- CONTACT: SCOTT KAISER 503-319-5209

RESILIENT BASE

RB-1:
- MFG: TARKETT JOHNSONITE
- TYPE: 4" VINYL WALL BASE
- COLOR: 48 GREY
- LOCATION: STANDARD
- REMARKS: COLOR TO ALSO BE USED WITH ALL VINYL TRANSITION STRIPS
- CONTACT: JEN MAYNARD 765-480-3266

TILE BASE

TB-1:
- MFG: DALTILE
- TYPE: PORCELAIN BUILD-UP COVE BASE
- PATTERN: KEYSTONES
- SIZE: 6" H/MB5A
- COLOR: DESERT GRAY SPECKLE D200
- GROUT: MAPEI, PEWTER 02
- LOCATION: POOL DECK
- CONTACT: ROBIN BRADFORD 317-946-0823

TERRAZZO BASE

TERB-1:
- MFG: SANTAROSSA TILE
- TYPE: 4" INTEGRAL WALL BASE
- COLOR: MATCH TER-1 MIX
- INSTALL: INTEGRAL BASE, REF. SPECS
- LOCATION: 1ST LEVEL

PAINT/WALL FINISH

PAINT

PT-1:
- MFG: PPG
- COLOR: SHADED WHISPER PPG0995-1
- LOCATION: STANDARD/ATRIUM/CORRIDORS/ COLUMNS/ NATATORIUM/ HM DOORS AND FRAMES
- CONTACT: MIKE WAGGONER 502-263-9371

PT-2:
- MFG: PPG
- COLOR: STEELY GAZE PPG0996-2
- LOCATION: CLASSROOMS/RESTROOMS
- CONTACT: MIKE WAGGONER 502-263-9371

PT-3:
- MFG: PPG
- COLOR: STATUE GARDEN PPG0996-3
- LOCATION: POOL AREA ACCENT
- CONTACT: MIKE WAGGONER 502-263-9371

PT-4:
- MFG: PPG
- COLOR: FLORENTINE LAPIS PPG1244-7
- LOCATION: ACCENT WALLS
- CONTACT: MIKE WAGGONER 502-263-9371

PT-5:
- MFG: PPG
- COLOR: SEASAME CRUNCH PPG1198-7
- LOCATION: ACCENT WALLS
- CONTACT: MIKE WAGGONER 502-263-9371

PT-6:
- MFG: PPG
- COLOR: CITY SKYLINE PPG0995-6
- LOCATION: HM DOORS FRAMES
- CONTACT: MIKE WAGGONER 502-263-9371

WALL TILE

WT-1:
- MFG: DALTILE
- TYPE: 4"X12" GLAZED CERAMIC WALL TILE
- PATTERN: COLOR WHEEL - LINEAR
- COLOR: ARCTIC WHITE 0190
- GROUT: MAPEI, COBBLESTONE 103
- INSTALL: VERTICAL STACKED, REF. ELEVATIONS
- REMARKS: WHEN USING AT WALL, RUN DIRECTLY TO FINISHED FLOOR AND OMIT TB-1
- CONTACT: ROBIN BRADFORD 317-946-0823

WT-2:
- MFG: DALTILE
- TYPE: 4"X12" GLAZED CERAMIC WALL TILE
- PATTERN: COLOR WHEEL - LINEAR
- COLOR: SEA BREEZE 1174
- GROUT: MAPEI, COBBLESTONE 103
- INSTALL: VERTICAL STACKED, REF. ELEVATIONS
- REMARKS: WHEN USING AT WALL, RUN DIRECTLY TO FINISHED FLOOR AND OMIT TB-1
- CONTACT: ROBIN BRADFORD 317-946-0823

PLASTIC LAMINATE/SOLID SURFACE

PLASTIC LAMINATE

PL-1:
- MFG: WILSONART
- TYPE: PLASTIC LAMINATE
- COLOR: NATURAL RECON 7996-38
- INSTALL: MONOLITHIC,
- LOCATION: DISPLAY CASE AREAS, WORKROOM, CLASSROOMS, SCIENCE LAB CASEWORK
- CONTACT: CASSIE BEAMAN 317-910-0801

PL-2:
- MFG: FORMICA
- TYPE: PLASTIC LAMINATE
- COLOR: STAINLESS 9319-BH
- INSTALL: MONOLITHIC
- LOCATION: SCIENCE LAB CASEWORK
- CONTACT: KYLIE LEYBA 317-869-8717

PL-3:
- MFG: FORMICA
- TYPE: PLASTIC LAMINATE
- COLOR: SPECTRUM BLUE 851-58
- INSTALL: MONOLITHIC
- LOCATION: SPIRIT SHOP CASEWORK
- CONTACT: KYLIE LEYBA 317-869-8717

SOLID SURFACE

SS-1:
- MFG: CORIAN
- TYPE: 1 1/2" SOLID SURFACE
- COLOR: LIMESTONE PRIMA
- INSTALL: MONOLITHIC
- LOCATION: WORKROOMS, DISPLAY AREAS

SS-2:
- TYPE: EPOXY SOLID SURFACE
- COLOR: BLACK, REF. SPECS
- INSTALL: MONOLITHIC
- LOCATION: SCIENCE LABS CASEWORK

SS-3:
- MFG: CORIAN
- TYPE: 1 1/2" SOLID SURFACE
- COLOR: ARTISTA GRAY
- INSTALL: MONOLITHIC
- LOCATION: LOCKER ROOM COUNTERTOPS SCIENCE CLASSROOMS, WINDOW SILLS

MISCELLANEOUS

CORNER GUARDS

CG-1:
- MFG: CS ACROVYN
- TYPE: REFER TO SPECS
- COLOR: TO MATCH PT-1, UNLESS NOTED OTHERWISE, DESIGNER TO APPROVE
- LOCATION: PROVIDE AT ALL EXTERIOR DRYWALL CORNERS
- CONTACT: AMY FEHRIBACH 317-407-2534

ACOUSTICAL

AWP-1:
- MFG: NOVAWALL
- TYPE: FABRIC WRAPPED ACOUSTICAL SYSTEM
- PATTERN: GUILFORD OF MAINE, ANCHORAGE, 2335
- SIZE: CUSTOM, REFER TO ELEVATIONS
- COLOR: LAPIS 2094
- BACKING: ARCHITECT TO APPROVE
- LOCATION: ATRIUM WALLS
- CONTACT: MARCO CAPONI 317-561-1141

AWP-2:
- MFG: NOVAWALL
- TYPE: FABRIC WRAPPED ACOUSTICAL SYSTEM
- PATTERN: GUILFORD OF MAINE, ANCHORAGE, 2335
- SIZE: CUSTOM, REFER TO ELEVATIONS
- COLOR: WHITE 2664
- BACKING: ARCHITECT TO APPROVE
- LOCATION: ATRIUM WALLS
- CONTACT: MARCO CAPONI 317-561-1141

AWP-3:
- MFG: ARMSTRONG
- TYPE: ACOUSTICAL PANEL
- PATTERN: TECTUM DIRECT ATTACH
- SIZE: 1 1/2" T, 23 3/4" X 96"
- FINISH: PAINT GRADE, REFER TO ELEVATIONS
- BACKING: ARCHITECT TO APPROVE
- LOCATION: POOL DECK WALLS, REFER TO ELEVATIONS
- CONTACT: PHIL CAITO 317-519-2829

AWP-4:
- MFG: ARMSTRONG
- TYPE: ACOUSTICAL PANEL
- PATTERN: TECTUM DIRECT ATTACH
- SIZE: 1 1/2" T, 23 3/4" X 96"
- COLOR: PAINT GRADE, PAINTED PT-1
- BACKING: ARCHITECT TO APPROVE
- LOCATION: POLL DECK WALLS, REFER TO ELEVATIONS
- CONTACT: PHIL CAITO 317-519-2829

MARKERBOARDS

MKBD-1:
- MFG: CLARIDGE
- TYPE: GLASS WHITEBOARD
- COLOR: SIGNAL BLUE RAL5005
- SIZE: 4' X 6' OR CUSTOM
- LOCATION: BACK WALLS OF HALLWAY ALCOVES
- CONTACT: ELDON WATSON 870-416-5834

MKBD-2:
- MFG: CLARIDGE
- TYPE: LCS DELUXE PROCELAIN WHITEBOARD
- COLOR: WHITE
- SIZE: 4' x 12'
- LOCATION: CLASSROOM TEACHING WALL
- CONTACT: ELDON WATSON 870-416-5834

TOILET PARTITIONS

TP-1
- MFG: BOBRICK
- TYPE: CL PHENOLIC
- PRODUCT: DURALINE SERIES
- COLOR: CHARCOAL 0077-FH
- LOCATION: LOCKER ROOMS, RESTROOMS
- CONTACT: AMY FEHRIBACH 317-407-2534

WOOD

WD-1:
- MFG: SURFACE MATERIALS
- TYPE: STAINED & SEALED WOOD FINISH
- COLOR: TO MATCH PL-1, DESIGNER TO APPROVE
- LOCATION: NEW DOORS, HALLWAY ALCOVES, ATRIUM RISERS

WD-2:
- MFG: CUSTOM BUTCHERBLOCK COUNTERTOP
- TYPE: EDGE GRAIN CONSTRUCTION
- COLOR: STAIN TO MATCH PL-1, DESIGNER TO APPROVE
- LOCATION: 2ND FLOOR CATWALK, 3RD FLOOR ATRIUM FLEX SPACE

WALL PANEL

WP-1:
- MFG: MARLITE
- TYPE: MDF SLATWALL W/ 7000 SERIES ALUMINUM INSERTS
- COLOR: GOSHEN WHITE 750
- SIZE: 4' X 8' PANELS
- LOCATION: SPIRIT SHOP
- CONTACT: DAN EGBERS 320-260-7633

427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

LANCER ASSOCIATES ARCHITECTURE

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

JERRY L. CRIPPS REGISTERED NO. 880133 STATE OF INDIANA ARCHITECT

REVISIONS:

#	Date	Desc.
1	08/30/2023	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

PROJECT:	#22130
DATE:	08-11-2023
DRAWN BY:	Author

FINISH LEGEND

A720

FLOOR FINISH HATCH LEGEND

CPT-2	WOC-1	TER-1	TER-4	EPX-1	FT-1
CPT-3	LVT-1	TER-2	TER-5	EPX-2	FT-2
LVT-2	TER-3	TER-6	EPX-3	FT-3	

GENERAL FINISH PLAN NOTES

A. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL REPAIR AS NECESSARY FOR SUBSTRATE TO ACCEPT NEW MATERIALS.

B. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPAIR ALL EXISTING WALLS, SLAB, AND CEILINGS TO A CONDITION SUITABLE FOR ACCEPTING NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. MINIMUM LEVEL 4 FINISH ON EXISTING AND NEW WALLS, UNLESS NOTED OTHERWISE.

C. ALL FLOORING TRANSITIONS TO COMPLY WITH ADA GUIDELINES AND TO OCCUR UNDER CENTOR OF DOORWAYS, AND OR AT CENTERLINE OF WALL. UNLESS INDICATED DIFFERENTLY ON FINISH PLANS.

D. CONTRACTOR TO PROVIDE PROTECTION AS NEEDED DURING CONSTRUCTION, IF ANY TO PRESERVE NEW FINISHES WHILE COMPLETING CONSTRUCTION.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFACTION OF DIMENSIONS AND JOB CONDITIONS. ANY DEVIATION FROM WHAT IS INDICATED ON THE FINISH PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND DESIGNERS.

F. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH MATERIAL, UNLESS INDICATED OTHERWISE ON PLANS.

G. WHERE WALLS ARE INDICATED TO RECEIVE PAINT FINISH, PAINT ALL PRIMED GRILLES, FIRE EXTINGUISHER CABINERS, AND OTHER ITEMS EMBEDDED IN WALL CONSTRUCTION TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS NOTED OTHERWISE.

H. CONTRACTOR TO PROVIDE DRYWALL REVEAL JOINT WHERE DRYWALL MEETS DISSIMILAR MATERIALS.

I. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.

J. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

K. IF ONLY PAINT IS INDICATED AS THE FINISH, REFER TO ARCHITECTURAL FLOOR PLANS FOR SUBSTRATE INFORMATION.

L. ALL TERRAZZO EDGES ARE TO BE SANDED AND FINISHED TO WHERE TERRAZZO MEETS DISSIMILAR FLOORING.

M. REFER TO INTERIOR TRANSITION DETALS SHEET A731 FOR TRANSITION STRIP PRODUCT DETAILS.

N. ALL MECHANICAL CLOSETS TO HAVE A SEALED CONCRETE FLOOR FINISH. PROVIDE RESILIENT REDUCER TO MATCH RB-1 UNDER CENTER OF DOORWAY.

O. ALL WALLS AND CEILINGS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

P. METAL DIVIDER STRIPS TO BE PROVIDED AT EACH TERRAZZO COLOR CHANGE. DESIGNER TO APPROVE COLOR.

Q. ALL WINDOWS TO RECEIVE SOLID SURFACE SILL, SS-3.

R. ALL HM DOOR FRAMES ARE TO BE PAINTED PT-6 UNLESS NOTED OTHERWISE.

S. REFERENCE ELEVATIONS FOR CUSTOM WALL GRAPHICS.

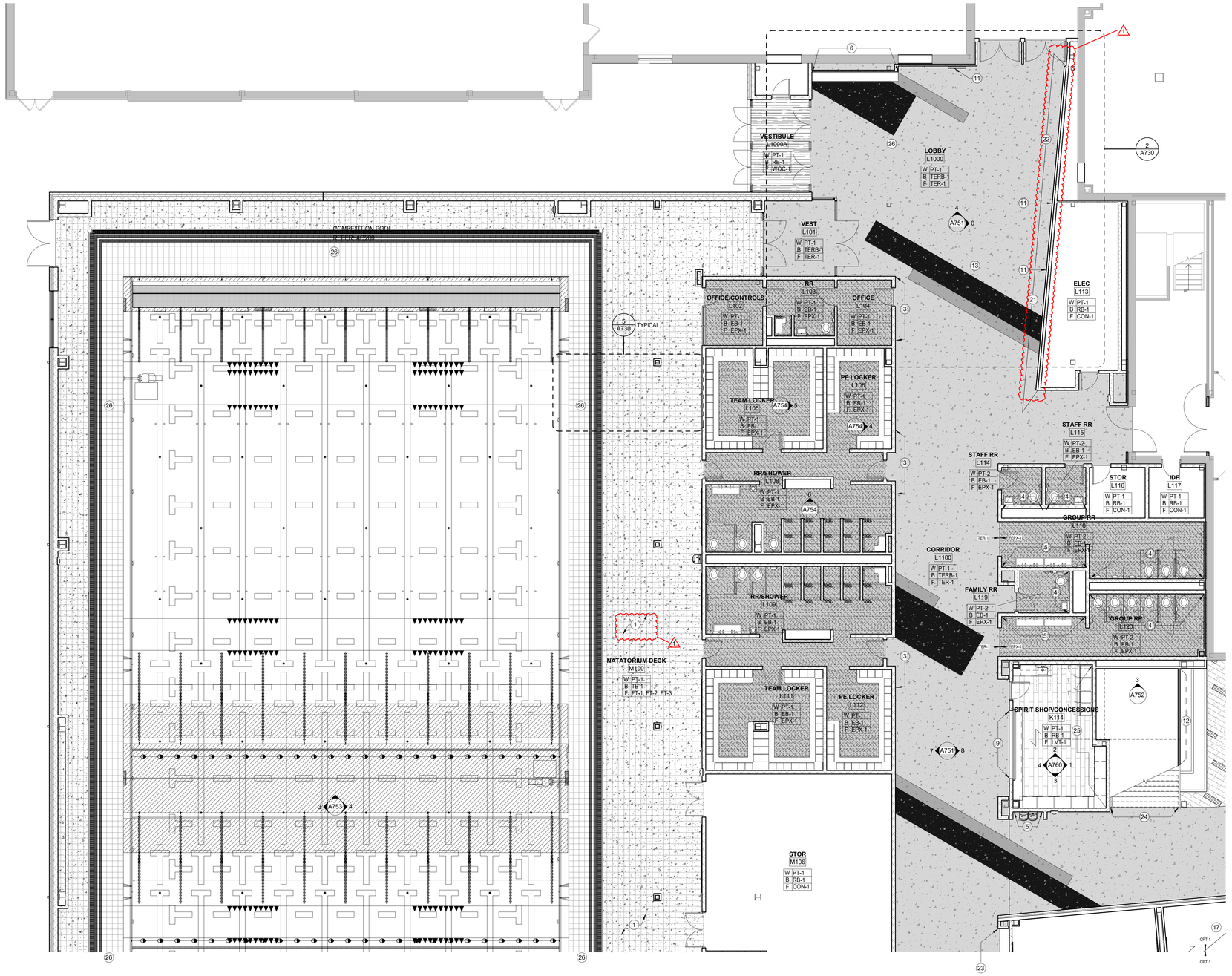
T. WHERE FLOORING PATTERN GRAIN CHANGES AT CORRIDORS, INSTALLER MUST HAVE A DESIGNER PRESENT FOR REVIEW MEETING PRIOR TO INSTALLATION OF ANY FLOORING.

U. ALL GYPSUM BOARD CEILING AND BULKHEADS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

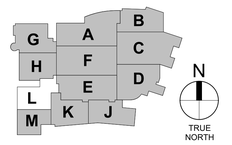
V. ALL EXPOSED STEEL COLUMNS THAT ARE IN ATRIUM J1000 AND K1000 TO BE PAINTED PT-1. ALL OTHERS TO MATCH ADJACENT WALL COLOR.

PLAN NOTES - FINISH PLAN

1 ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND TRUSSES, ALONG WITH ALL CEILING AND CEILING MECHANICAL EQUIPMENT IN NATATORIUM M100 TO BE PAINTED PT-2. TYPICAL.
2 PROVIDE TERRAZZO LOGO AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO ENLARGED FINISH PLAN 1/A730 FOR FURTHER INFORMATION.
3 CUSTOM GRAPHIC/PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS A750 SERIES. COORDINATE FINAL DESIGN WITH OWNER.
4 PROVIDE WT-2 AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS SHEET A751.
5 PROVIDE WT-1 AT THIS LOCATION. FLOOR TO CEILING HEIGHT, VERTICALLY STACKED.
6 CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION WITH LIGHTING. PROVIDE POWER FOR LED LIGHTS. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.
7 REFER TO INTERIOR ELEVATION 1/A754 FOR FURTHER INFORMATION.
8 ACCENT PAINT, PT-4 AT THIS LOCATION.
9 ROLL-DOWN GRILLE DOOR TO RECEIVE CUSTOM VINYL DECAL. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 8/A751.
11 WALL MOUNTED TV MONITOR.
12 ACCENT PAINT, PT-5 AT THIS LOCATION.
13 TYPICAL TERRAZZO PATTERN. REFER TO ENLARGED FINISH PLAN 2/A730 FOR DETAILS.
14 TYPICAL VINYL PLANK DESIGN. REFER TO ENLARGED FINISH PLAN 3/A730 FOR DETAILS.
15 THIRD FLOOR CORRIDOR VINYL PLANK DESIGN. NOT TYPICAL
16 ACCENT PAINT, PT-3 AT THIS LOCATION.
17 FLOORING DIRECTION CHANGE. INSTALLER TO COORDINATE ANGLE WITH DESIGNER ON SITE BEFORE INSTALL.
18 CUSTOM VINYL GRAPHIC ON CMU AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.
19 ALL METAL MECHANICAL DOORS AND TRIM IN ACADEMIC CORRIDORS ARE TO BE PAINTED PT-1.
20 4' H X 1/2" T X 8' L LAYERED PVC WITH MATTE VINYL ON TOP. COORDINATE FINAL DESIGN WITH OWNER.
21 CUSTOM PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATION 6/A755.
22 CUSTOM VINYL GRAPHIC ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 6/A751.
23 CUSTOM VINYL GRAPHIC AND PAINT ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.
24 TERRAZZO STAIR TREADS, TER-2 REF. FINISH LEGEND.
25 ACCENT PAINT, PT-3, AND SLAT WALL PANEL, WP-1. REFER TO ELEVATION 1/A760.
26 TYPICAL NATATORIUM FLOOR TILE PATTERN. REFER TO ENLARGED FINISH PLAN 5/A730 FOR DETAILS.
27 FT-1 IS TO BE INSTALLED FROM POOL GUTTER AND CONITNUE UNTIL ACCENT BAND. REFER TO DIMENSIONS NOTED FOR WIDTHS.



1 INTERIOR FINISH PLAN - FIRST FLOOR - UNIT L
SCALE: 1/8" = 1'-0"



LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS:

#	Date	Desc.
1	08/30/2022	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 08-11-2023
DRAWN BY: Author

INTERIOR FINISH PLAN - FIRST FLOOR - UNIT L

A721L

PLOT DATE/TIME:8/31/2023 9:33:21 AM

FLOOR FINISH HATCH LEGEND

CPT-2	WOC-1	TER-1	TER-4	EPX-1	FT-1
CPT-3	LVT-1	TER-2	TER-5	EPX-2	FT-2
	LVT-2	TER-3	TER-6	EPX-3	FT-3

GENERAL FINISH PLAN NOTES

A. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL REPAIR AS NECESSARY FOR SUBSTRATE TO ACCEPT NEW MATERIALS.

B. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPAIR ALL EXISTING WALLS, SLAB, AND CEILINGS TO A CONDITION SUITABLE FOR ACCEPTING NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. MINIMUM LEVEL 4 FINISH ON EXISTING AND NEW WALLS, UNLESS NOTED OTHERWISE.

C. ALL FLOORING TRANSITIONS TO COMPLY WITH ADA GUIDELINES AND TO OCCUR UNDER CENTOR OF DOORWAYS, AND OR AT CENTERLINE OF WALL. UNLESS INDICATED DIFFERENTLY ON FINISH PLANS.

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E. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFACTION OF DIMENSIONS AND JOB CONDITIONS. ANY DEVIATION FROM WHAT IS INDICATED ON THE FINISH PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND DESIGNERS.

F. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH MATERIAL, UNLESS INDICATED OTHERWISE ON PLANS.

G. WHERE WALLS ARE INDICATED TO RECEIVE PAINT FINISH, PAINT ALL PRIMED GRILLES, FIRE EXTINGUISHER CABINERS, AND OTHER ITEMS EMBEDDED IN WALL CONSTRUCTION TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS NOTED OTHERWISE.

H. CONTRACTOR TO PROVIDE DRYWALL REVEAL JOINT WHERE DRYWALL MEETS DISSIMILAR MATERIALS.

I. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.

J. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

K. IF ONLY PAINT IS INDICATED AS THE FINISH, REFER TO ARCHITECTURAL FLOOR PLANS FOR SUBSTRATE INFORMATION.

L. ALL TERRAZZO EDGES ARE TO BE SANDED AND FINISHED TO WHERE TERRAZZO MEETS DISSIMILAR FLOORING.

M. REFER TO INTERIOR TRANSITION DETALS SHEET A731 FOR TRANSITION STRIP PRODUCT DETAILS.

N. ALL MECHANICAL CLOSETS TO HAVE A SEALED CONCRETE FLOOR FINISH. PROVIDE RESILIENT REDUCER TO MATCH RB-1 UNDER CENTER OF DOORWAY.

O. ALL WALLS AND CEILINGS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

P. METAL DIVIDER STRIPS TO BE PROVIDED AT EACH TERRAZZO COLOR CHANGE. DESIGNER TO APPROVE COLOR.

Q. ALL WINDOWS TO RECEIVE SOLID SURFACE SILL, SS-3.

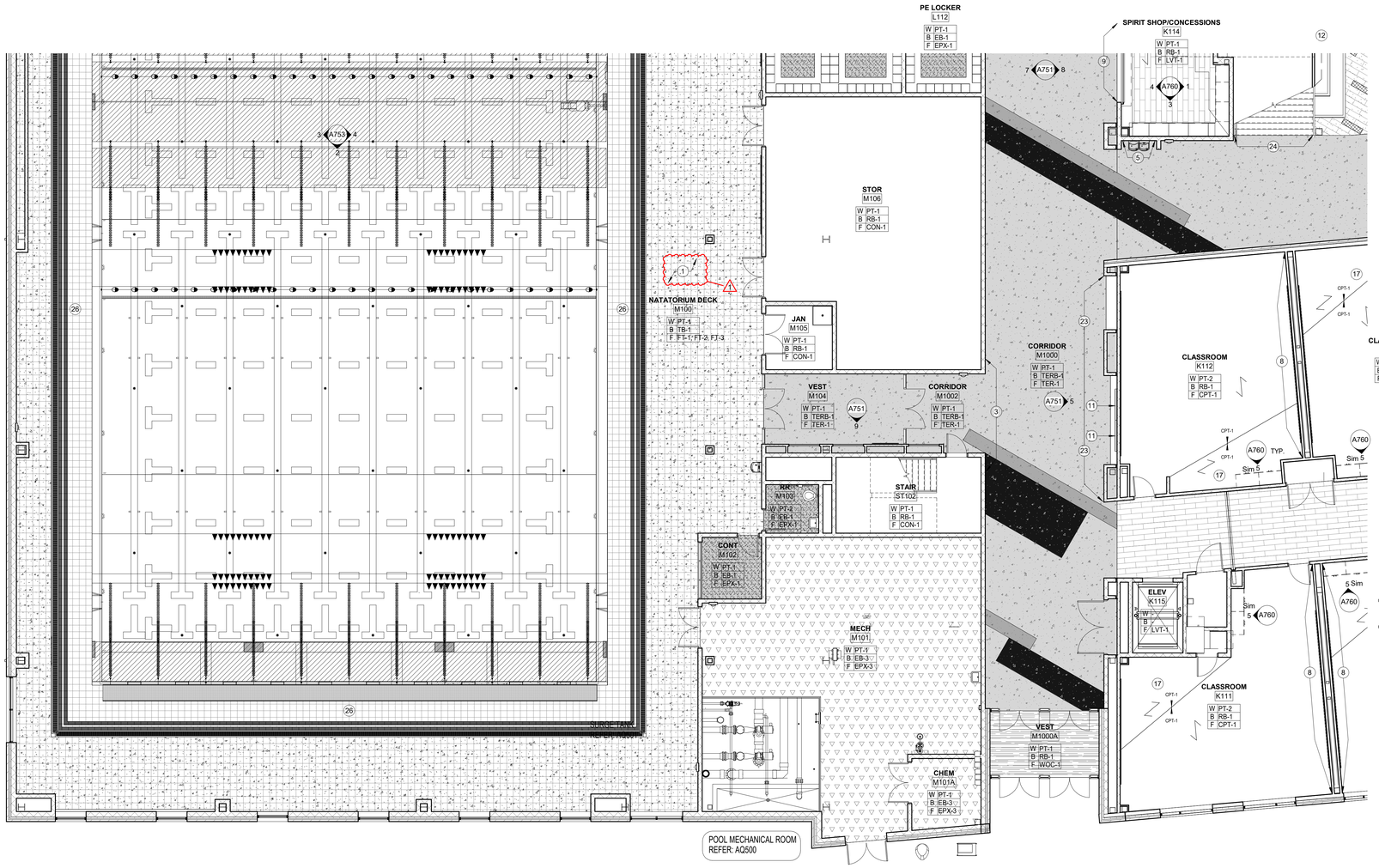
R. ALL HM DOOR FRAMES ARE TO BE PAINTED PT-6 UNLESS NOTED OTHERWISE.

S. REFERENCE ELEVATIONS FOR CUSTOM WALL GRAPHICS.

T. WHERE FLOORING PATTERN GRAIN CHANGES AT CORRIDORS, INSTALLER MUST HAVE A DESIGNER PRESENT FOR REVIEW MEETING PRIOR TO INSTALLATION OF ANY FLOORING.

U. ALL GYPSUM BOARD CEILING AND BULKHEADS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

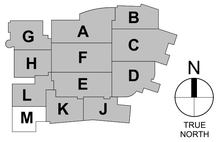
V. ALL EXPOSED STEEL COLUMNS THAT ARE IN ATRIUM J1000 AND K1000 TO BE PAINTED PT-1. ALL OTHERS TO MATCH ADJACENT WALL COLOR.



PLAN NOTES - FINISH PLAN

1. ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND TRUSSES, ALONG WITH ALL CEILING AND CEILING MECHANICAL EQUIPMENT IN NATATORIUM M100 TO BE PAINTED PT-2 - TYPICAL
2. PROVIDE TERRAZZO LOGO AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO ENLARGED FINISH PLAN 1/A730 FOR FURTHER INFORMATION.
3. CUSTOM GRAPHIC/PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS A750 SERIES. COORDINATE FINAL DESIGN WITH OWNER.
4. PROVIDE WT-2 AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS SHEET A751.
5. PROVIDE WT-1 AT THIS LOCATION. FLOOR TO CEILING HEIGHT, VERTICALLY STACKED.
6. CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION WITH LIGHTING. PROVIDE POWER FOR LED LIGHTS. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.
7. REFER TO INTERIOR ELEVATION 1/A754 FOR FURTHER INFORMATION.
8. ACCENT PAINT, PT-4 AT THIS LOCATION.
9. ROLL-DOWN GRILLE DOOR TO RECEIVE CUSTOM VINYL DECAL. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 8/A751.
11. WALL MOUNTED TV MONITOR.
12. ACCENT PAINT, PT-5 AT THIS LOCATION.
13. TYPICAL TERRAZZO PATTERN. REFER TO ENLARGED FINISH PLAN 2/A730 FOR DETAILS.
14. TYPICAL VINYL PLANK DESIGN. REFER TO ENLARGED FINISH PLAN 3/A730 FOR DETAILS.
15. THIRD FLOOR CORRIDOR VINYL PLANK DESIGN. NOT TYPICAL
16. ACCENT PAINT, PT-3 AT THIS LOCATION.
17. FLOORING DIRECTION CHANGE. INSTALLER TO COORDINATE ANGLE WITH DESIGNER ON SITE BEFORE INSTALL.
18. CUSTOM VINYL GRAPHIC ON CMU AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.
19. ALL METAL MECHANICAL DOORS AND TRIM IN ACADEMIC CORRIDORS ARE TO BE PAINTED PT-1.
20. 4" H X 1/2" T X 8' L LAYERED PVC WITH MATTE VINYL ON TOP. COORDINATE FINAL DESIGN WITH OWNER.
21. CUSTOM PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATION 6/A755.
22. CUSTOM VINYL GRAPHIC ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 6/A751.
23. CUSTOM VINYL GRAPHIC AND PAINT ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.
24. TERRAZZO STAIR TREADS, TER-2. REF. FINISH LEGEND.
25. ACCENT PAINT, PT-3, AND SLAT WALL PANEL, WP-1. REFER TO ELEVATION 1/A760.
26. TYPICAL NATATORIUM FLOOR TILE PATTERN. REFER TO ENLARGED FINISH PLAN 5/A730 FOR DETAILS.
27. FT-1 IS TO BE INSTALLED FROM POOL GUTTER AND COINTNUE UNTIL ACCENT BAND. REFER TO DIMENSIONS NOTED FOR WIDTHS.

1 INTERIOR FINISH PLAN - FIRST FLOOR - UNIT M
SCALE: 1/8" = 1'-0"



LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

HENRY L. CRIPE REGISTERED No. 80003 STATE OF INDIANA

REVISIONS:

#	Date	Desc.
1	08/30/202 3	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 08-11-2023
DRAWN BY: Author

INTERIOR FINISH PLAN - FIRST FLOOR - UNIT M

A721M

PLOT DATE/TIME 8/31/2023 9:33:20 AM

FLOOR FINISH HATCH LEGEND

CPT-2	WOC-1	TER-1	TER-4	EPX-1	FT-1
CPT-3	LVT-1	TER-2	TER-5	EPX-2	FT-2
LVT-2	TER-3	TER-6	EPX-3	FT-3	

GENERAL FINISH PLAN NOTES

A. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL REPAIR AS NECESSARY FOR SUBSTRATE TO ACCEPT NEW MATERIALS.

B. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPAIR ALL EXISTING WALLS, SLAB, AND CEILINGS TO A CONDITION SUITABLE FOR ACCEPTING NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. MINIMUM LEVEL 4 FINISH ON EXISTING AND NEW WALLS, UNLESS NOTED OTHERWISE.

C. ALL FLOORING TRANSITIONS TO COMPLY WITH ADA GUIDELINES AND TO OCCUR UNDER CENTOR OF DOORWAYS, AND OR AT CENTERLINE OF WALL. UNLESS INDICATED DIFFERENTLY ON FINISH PLANS.

D. CONTRACTOR TO PROVIDE PROTECTION AS NEEDED DURING CONSTRUCTION, IF ANY TO PRESERVE NEW FINISHES WHILE COMPLETING CONSTRUCTION.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFACTION OF DIMENSIONS AND JOB CONDITIONS. ANY DEVIATION FROM WHAT IS INDICATED ON THE FINISH PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND DESIGNERS.

F. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH MATERIAL, UNLESS INDICATED OTHERWISE ON PLANS.

G. WHERE WALLS ARE INDICATED TO RECEIVE PAINT FINISH, PAINT ALL PRIMED GRILLES, FIRE EXTINGUISHER CABINERS, AND OTHER ITEMS EMBEDDED IN WALL CONSTRUCTION TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS NOTED OTHERWISE.

H. CONTRACTOR TO PROVIDE DRYWALL REVEAL JOINT WHERE DRYWALL MEETS DISSIMILAR MATERIALS.

I. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.

J. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

K. IF ONLY PAINT IS INDICATED AS THE FINISH, REFER TO ARCHITECTURAL FLOOR PLANS FOR SUBSTRATE INFORMATION.

L. ALL TERRAZZO EDGES ARE TO BE SANDED AND FINISHED TO WHERE TERRAZZO MEETS DISSIMILAR FLOORING.

M. REFER TO INTERIOR TRANSITION DETALS SHEET A731 FOR TRANSITION STRIP PRODUCT DETAILS.

N. ALL MECHANICAL CLOSETS TO HAVE A SEALED CONCRETE FLOOR FINISH. PROVIDE RESILIENT REDUCER TO MATCH RB-1 UNDER CENTER OF DOORWAY.

O. ALL WALLS AND CEILINGS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

P. METAL DIVIDER STRIPS TO BE PROVIDED AT EACH TERRAZZO COLOR CHANGE. DESIGNER TO APPROVE COLOR.

Q. ALL WINDOWS TO RECEIVE SOLID SURFACE SILL, SS-3.

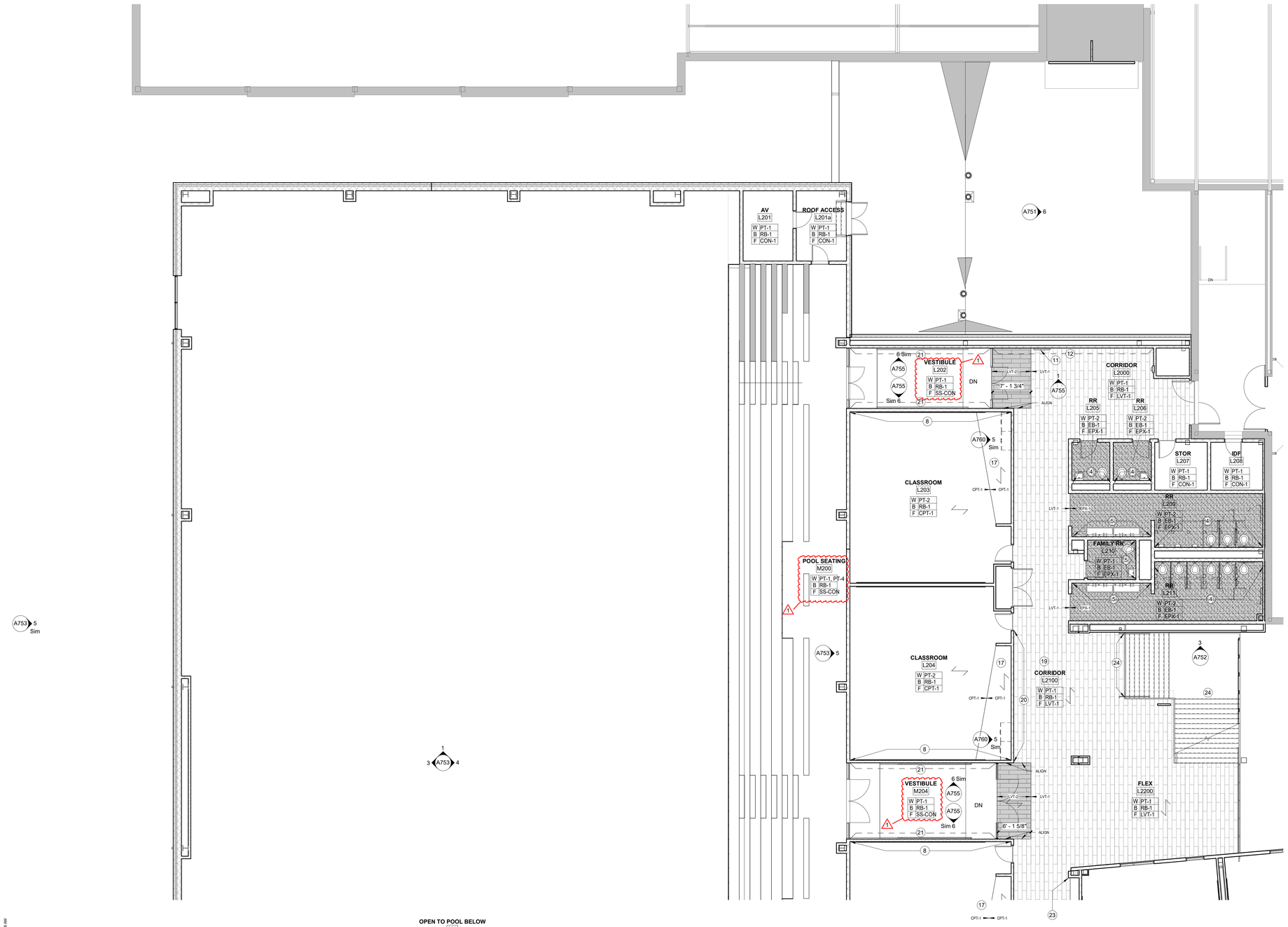
R. ALL HM DOOR FRAMES ARE TO BE PAINTED PT-6 UNLESS NOTED OTHERWISE.

S. REFERENCE ELEVATIONS FOR CUSTOM WALL GRAPHICS.

T. WHERE FLOORING PATTERN GRAIN CHANGES AT CORRIDORS, INSTALLER MUST HAVE A DESIGNER PRESENT FOR REVIEW MEETING PRIOR TO INSTALLATION OF ANY FLOORING.

U. ALL GYPSUM BOARD CEILING AND BULKHEADS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

V. ALL EXPOSED STEEL COLUMNS THAT ARE IN ATRIUM J1000 AND K1000 TO BE PAINTED PT-1. ALL OTHERS TO MATCH ADJACENT WALL COLOR.

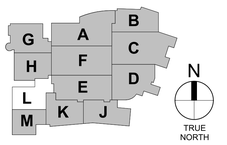


PLAN NOTES - FINISH PLAN

1. ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND TRUSSES, ALONG WITH ALL CEILING AND CEILING MECHANICAL EQUIPMENT IN NATATORIUM M100 TO BE PAINTED PT-2 - TYPICAL.
2. PROVIDE TERRAZZO LOGO AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER REFER TO ENLARGED FINISH PLAN 1/A730 FOR FURTHER INFORMATION.
3. CUSTOM GRAPHIC/PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS A750 SERIES. COORDINATE FINAL DESIGN WITH OWNER.
4. PROVIDE WT-2 AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS SHEET A751.
5. PROVIDE WT-1 AT THIS LOCATION. FLOOR TO CEILING HEIGHT, VERTICALLY STACKED.
6. CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION WITH LIGHTING. PROVIDE POWER FOR LED LIGHTS. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.
7. REFER TO INTERIOR ELEVATION 1/A754 FOR FURTHER INFORMATION.
8. ACCENT PAINT, PT-4 AT THIS LOCATION.
9. ROLL-DOWN GRILLE DOOR TO RECEIVE CUSTOM VINYL DECAL. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 8/A751.
11. WALL MOUNTED TV MONITOR.
12. ACCENT PAINT, PT-5 AT THIS LOCATION.
13. TYPICAL TERRAZZO PATTERN. REFER TO ENLARGED FINISH PLAN 2/A730 FOR DETAILS.
14. TYPICAL VINYL PLANK DESIGN. REFER TO ENLARGED FINISH PLAN 3/A730 FOR DETAILS.
15. THIRD FLOOR CORRIDOR VINYL PLANK DESIGN. NOT TYPICAL
16. ACCENT PAINT, PT-3 AT THIS LOCATION.
17. FLOORING DIRECTION CHANGE. INSTALLER TO COORDINATE ANGLE WITH DESIGNER ON SITE BEFORE INSTALL.
18. CUSTOM VINYL GRAPHIC ON CMU AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.
19. ALL METAL MECHANICAL DOORS AND TRIM IN ACADEMIC CORRIDORS ARE TO BE PAINTED PT-1.
20. 4' H X 1/2" T X 8' L LAYERED PVC WITH MATTE VINYL ON TOP. COORDINATE FINAL DESIGN WITH OWNER.
21. CUSTOM PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATION 6/A755.
22. CUSTOM VINYL GRAPHIC ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 6/A751.
23. CUSTOM VINYL GRAPHIC AND PAINT ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.
24. TERRAZZO STAIR TREADS, TER-2. REF. FINISH LEGEND.
25. ACCENT PAINT, PT-3, AND SLAT WALL PANEL, WP-1. REFER TO ELEVATION 1/A760.
26. TYPICAL NATATORIUM FLOOR TILE PATTERN. REFER TO ENLARGED FINISH PLAN 5/A730 FOR DETAILS.
27. FT-1 IS TO BE INSTALLED FROM POOL GUTTER AND CONITNUE UNTIL ACCENT BAND. REFER TO DIMENSIONS NOTED FOR WIDTHS.

1 INTERIOR FINISH PLAN - SECOND FLOOR - UNIT L

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



LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS:			
#	Date	Desc.	
1	08/30/202	ADDENDUM 01	

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 08-11-2023
DRAWN BY: Author

INTERIOR FINISH PLAN - SECOND FLOOR - UNIT L

A722L

PLOT DATE/TIME:8/31/2023 9:33:28 AM

FLOOR FINISH HATCH LEGEND

CPT-2	WOC-1	TER-1	TER-4	EPX-1	FT-1
CPT-3	LVT-1	TER-2	TER-5	EPX-2	FT-2
	LVT-2	TER-3	TER-6	EPX-3	FT-3

GENERAL FINISH PLAN NOTES

A. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL REPAIR AS NECESSARY FOR SUBSTRATE TO ACCEPT NEW MATERIALS.

B. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPAIR ALL EXISTING WALLS, SLAB, AND CEILINGS TO A CONDITION SUITABLE FOR ACCEPTING NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. MINIMUM LEVEL 4 FINISH ON EXISTING AND NEW WALLS, UNLESS NOTED OTHERWISE.

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J. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

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N. ALL MECHANICAL CLOSETS TO HAVE A SEALED CONCRETE FLOOR FINISH. PROVIDE RESILIENT REDUCER TO MATCH RB-1 UNDER CENTER OF DOORWAY.

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P. METAL DIVIDER STRIPS TO BE PROVIDED AT EACH TERRAZZO COLOR CHANGE. DESIGNER TO APPROVE COLOR.

Q. ALL WINDOWS TO RECEIVE SOLID SURFACE SILL, SS-3.

R. ALL HM DOOR FRAMES ARE TO BE PAINTED PT-6 UNLESS NOTED OTHERWISE.

S. REFERENCE ELEVATIONS FOR CUSTOM WALL GRAPHICS.

T. WHERE FLOORING PATTERN GRAIN CHANGES AT CORRIDORS, INSTALLER MUST HAVE A DESIGNER PRESENT FOR REVIEW MEETING PRIOR TO INSTALLATION OF ANY FLOORING.

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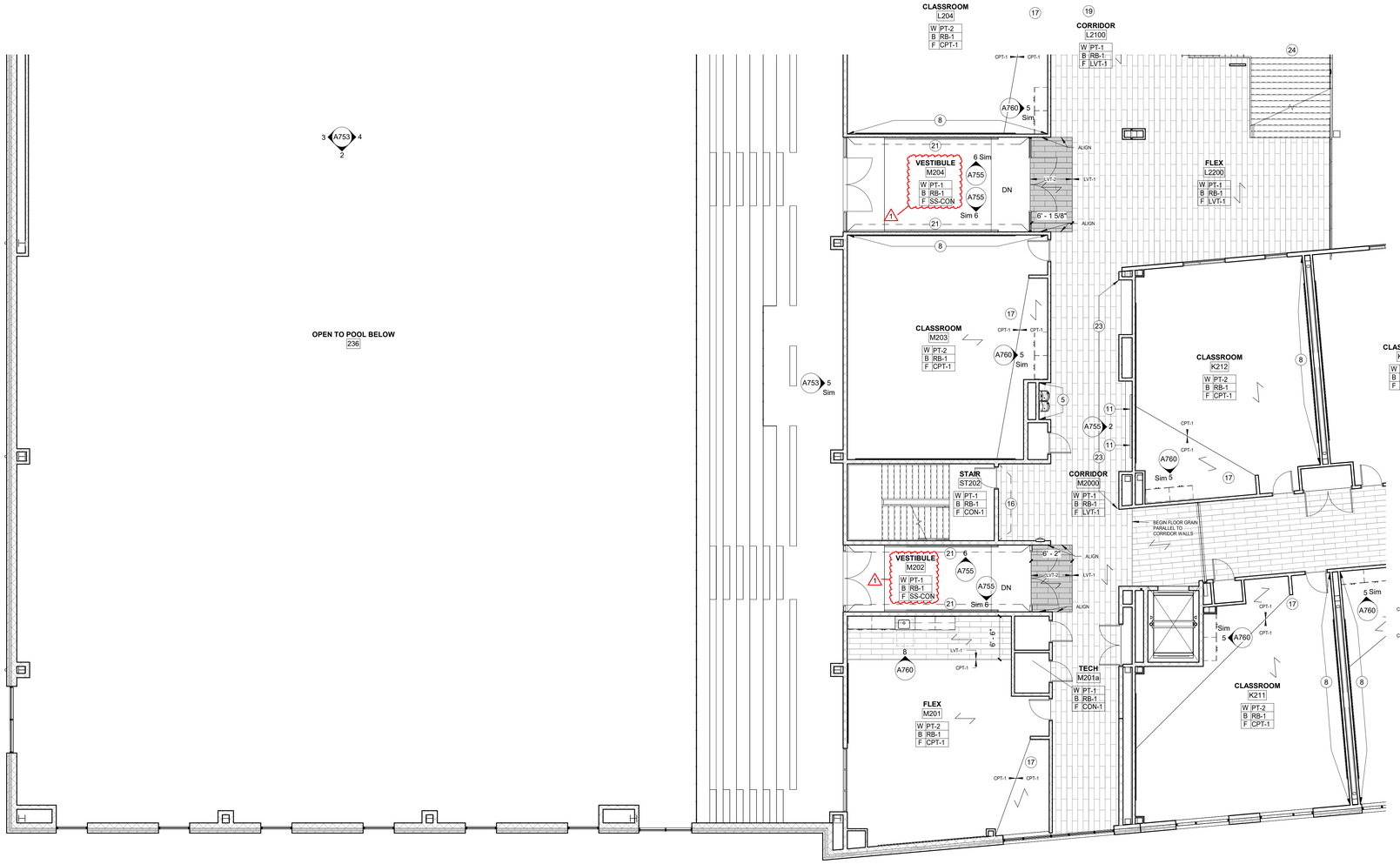

PLAN NOTES - FINISH PLAN

1 ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND TRUSSES, ALONG WITH ALL CEILING AND CEILING MECHANICAL EQUIPMENT IN NATATORIUM M100 TO BE PAINTED PT-2 - DRK4.

2 PROVIDE TERRAZZO LOGO AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO ENLARGED FINISH PLAN 1/A730 FOR FURTHER INFORMATION.

3 CUSTOM GRAPHIC/PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS A750 SERIES. COORDINATE FINAL DESIGN WITH OWNER.

4 PROVIDE WT-2 AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS SHEET A751.

5 PROVIDE WT-1 AT THIS LOCATION. FLOOR TO CEILING HEIGHT, VERTICALLY STACKED.

6 CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION WITH LIGHTING. PROVIDE POWER FOR LED LIGHTS. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.

7 REFER TO INTERIOR ELEVATION 1/A754 FOR FURTHER INFORMATION.

8 ACCENT PAINT, PT-4 AT THIS LOCATION.

9 ROLL-DOWN GRILLE DOOR TO RECEIVE CUSTOM VINYL DECAL. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 8/A751.

11 WALL MOUNTED TV MONITOR.

12 ACCENT PAINT, PT-5 AT THIS LOCATION.

13 TYPICAL TERRAZZO PATTERN. REFER TO ENLARGED FINISH PLAN 2/A730 FOR DETAILS.

14 TYPICAL VINYL PLANK DESIGN. REFER TO ENLARGED FINISH PLAN 3/A730 FOR DETAILS.

15 THIRD FLOOR CORRIDOR VINYL PLANK DESIGN. NOT TYPICAL

16 ACCENT PAINT, PT-3 AT THIS LOCATION.

17 FLOORING DIRECTION CHANGE. INSTALLER TO COORDINATE ANGLE WITH DESIGNER ON SITE BEFORE INSTALL.

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20 4' H X 1/2" T X 8' L LAYERED PVC WITH MATTE VINYL ON TOP. COORDINATE FINAL DESIGN WITH OWNER.

21 CUSTOM PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATION 6/A755.

22 CUSTOM VINYL GRAPHIC ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 6/A751.

23 CUSTOM VINYL GRAPHIC AND PAINT ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.

24 TERRAZZO STAIR TREADS, TER-2 REF. FINISH LEGEND.

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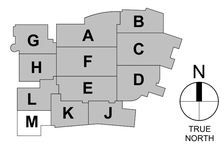
26 TYPICAL NATATORIUM FLOOR TILE PATTERN. REFER TO ENLARGED FINISH PLAN 5/A730 FOR DETAILS.

27 FT-1 IS TO BE INSTALLED FROM POOL GUTTER AND CONITNUE UNTIL ACCENT BAND. REFER TO DIMENSIONS NOTED FOR WIDTHS.

1 INTERIOR FINISH PLAN - SECOND FLOOR - UNIT M
SCALE: 1/8" = 1'-0"



LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

HENRY L. CRIPE
REGISTERED
NO. 8800133
STATE OF INDIANA

REVISIONS:

#	Date	Desc.
1	08/30/202 3	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 08-11-2023
DRAWN BY: Author

INTERIOR FINISH PLAN - SECOND FLOOR - UNIT M

A722M

PLOT DATE/TIME 8/31/2023 9:33:32 AM

FLOOR FINISH HATCH LEGEND

CPT-2	WOC-1	TER-1	TER-4	EPX-1	FT-1
CPT-3	LVT-1	TER-2	TER-5	EPX-2	FT-2
	LVT-2	TER-3	TER-6	EPX-3	FT-3

GENERAL FINISH PLAN NOTES

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I. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.

J. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

K. IF ONLY PAINT IS INDICATED AS THE FINISH, REFER TO ARCHITECTURAL FLOOR PLANS FOR SUBSTRATE INFORMATION.

L. ALL TERRAZZO EDGES ARE TO BE SANDED AND FINISHED TO WHERE TERRAZZO MEETS DISSIMILAR FLOORING.

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N. ALL MECHANICAL CLOSETS TO HAVE A SEALED CONCRETE FLOOR FINISH. PROVIDE RESILIENT REDUCER TO MATCH RB-1 UNDER CENTER OF DOORWAY.

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P. METAL DIVIDER STRIPS TO BE PROVIDED AT EACH TERRAZZO COLOR CHANGE. DESIGNER TO APPROVE COLOR.

Q. ALL WINDOWS TO RECEIVE SOLID SURFACE SILL, SS-3.

R. ALL HM DOOR FRAMES ARE TO BE PAINTED PT-6 UNLESS NOTED OTHERWISE.

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PLAN NOTES - FINISH PLAN

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2. PROVIDE TERRAZZO LOGO AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO ENLARGED FINISH PLAN 1/A730 FOR FURTHER INFORMATION.
3. CUSTOM GRAPHIC/PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS A750 SERIES. COORDINATE FINAL DESIGN WITH OWNER.
4. PROVIDE WT-2 AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS SHEET A751.
5. PROVIDE WT-1 AT THIS LOCATION. FLOOR TO CEILING HEIGHT, VERTICALLY STACKED.
6. CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION WITH LIGHTING. PROVIDE POWER FOR LED LIGHTS. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.
7. REFER TO INTERIOR ELEVATION 1/A754 FOR FURTHER INFORMATION.
8. ACCENT PAINT, PT-4 AT THIS LOCATION.
9. ROLL-DOWN GRILLE DOOR TO RECEIVE CUSTOM VINYL DECAL. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 8/A751.
11. WALL MOUNTED TV MONITOR.
12. ACCENT PAINT, PT-5 AT THIS LOCATION.
13. TYPICAL TERRAZZO PATTERN. REFER TO ENLARGED FINISH PLAN 2/A730 FOR DETAILS.
14. TYPICAL VINYL PLANK DESIGN. REFER TO ENLARGED FINISH PLAN 3/A730 FOR DETAILS.
15. THIRD FLOOR CORRIDOR VINYL PLANK DESIGN. NOT TYPICAL
16. ACCENT PAINT, PT-3 AT THIS LOCATION.
17. FLOORING DIRECTION CHANGE. INSTALLER TO COORDINATE ANGLE WITH DESIGNER ON SITE BEFORE INSTALL.
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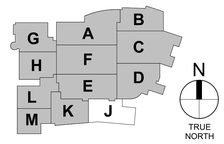
1 INTERIOR FINISH PLAN - THIRD FLOOR - UNIT J
SCALE: 1/8" = 1'-0"



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REVISIONS:

#	Date	Desc.
1	08/30/202 3	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 08-11-2023
DRAWN BY: Author

INTERIOR FINISH PLAN - THIRD FLOOR - UNIT J

A723J

PLOT DATE/TIME: 8/31/2023 8:38:36 AM

FLOOR FINISH HATCH LEGEND

CPT-2	WOC-1	TER-1	TER-4	EPX-1	FT-1
CPT-3	LVT-1	TER-2	TER-5	EPX-2	FT-2
	LVT-2	TER-3	TER-6	EPX-3	FT-3

1 INTERIOR FINISH PLAN - THIRD FLOOR - UNIT K

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

GENERAL FINISH PLAN NOTES

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N. ALL MECHANICAL CLOSETS TO HAVE A SEALED CONCRETE FLOOR FINISH. PROVIDE RESILIENT REDUCER TO MATCH RB-1 UNDER CENTER OF DOORWAY.

O. ALL WALLS AND CEILINGS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

P. METAL DIVIDER STRIPS TO BE PROVIDED AT EACH TERRAZZO COLOR CHANGE. DESIGNER TO APPROVE COLOR.

Q. ALL WINDOWS TO RECEIVE SOLID SURFACE SILL, SS-3.

R. ALL HM DOOR FRAMES ARE TO BE PAINTED PT-6 UNLESS NOTED OTHERWISE.

S. REFERENCE ELEVATIONS FOR CUSTOM WALL GRAPHICS.

T. WHERE FLOORING PATTERN GRAIN CHANGES AT CORRIDORS, INSTALLER MUST HAVE A DESIGNER PRESENT FOR REVIEW MEETING PRIOR TO INSTALLATION OF ANY FLOORING.

U. ALL GYPSUM BOARD CEILING AND BULKHEADS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

V. ALL EXPOSED STEEL COLUMNS THAT ARE IN ATRIUM J1000 AND K1000 TO BE PAINTED PT-1. ALL OTHERS TO MATCH ADJACENT WALL COLOR.

1

PLAN NOTES - FINISH PLAN

1 ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND TRUSSES, ALONG WITH ALL CEILING AND CEILING MECHANICAL EQUIPMENT IN NATATORIUM M100 TO BE PAINTED PT-2 - TYPICAL. (1)

2 PROVIDE TERRAZZO LOGO AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO ENLARGED FINISH PLAN 1/A730 FOR FURTHER INFORMATION.

3 CUSTOM GRAPHIC/PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS A750 SERIES. COORDINATE FINAL DESIGN WITH OWNER.

4 PROVIDE WT-2 AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS SHEET A751.

5 PROVIDE WT-1 AT THIS LOCATION. FLOOR TO CEILING HEIGHT, VERTICALLY STACKED.

6 CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION WITH LIGHTING. PROVIDE POWER FOR LED LIGHTS. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.

7 REFER TO INTERIOR ELEVATION 1/A754 FOR FURTHER INFORMATION.

8 ACCENT PAINT, PT-4 AT THIS LOCATION.

9 ROLL-DOWN GRILLE DOOR TO RECEIVE CUSTOM VINYL DECAL. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 8/A751.

11 WALL MOUNTED TV MONITOR.

12 ACCENT PAINT, PT-5 AT THIS LOCATION.

13 TYPICAL TERRAZZO PATTERN. REFER TO ENLARGED FINISH PLAN 2/A730 FOR DETAILS.

14 TYPICAL VINYL PLANK DESIGN. REFER TO ENLARGED FINISH PLAN 3/A730 FOR DETAILS.

15 THIRD FLOOR CORRIDOR VINYL PLANK DESIGN. NOT TYPICAL

16 ACCENT PAINT, PT-3 AT THIS LOCATION.

17 FLOORING DIRECTION CHANGE. INSTALLER TO COORDINATE ANGLE WITH DESIGNER ON SITE BEFORE INSTALL.

18 CUSTOM VINYL GRAPHIC ON CMU AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.

19 ALL METAL MECHANICAL DOORS AND TRIM IN ACADEMIC CORRIDORS ARE TO BE PAINTED PT-1.

20 4' H X 1/2" T X 8' L LAYERED PVC WITH MATTE VINYL ON TOP. COORDINATE FINAL DESIGN WITH OWNER.

21 CUSTOM PAINT AT THIS LOCATION. REFER TO INTERIOR ELEVATION 6/A755.

22 CUSTOM VINYL GRAPHIC ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATION 6/A751.

23 CUSTOM VINYL GRAPHIC AND PAINT ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER. REFER TO INTERIOR ELEVATIONS A750 SERIES.

24 TERRAZZO STAIR TREADS, TER-2. REF. FINISH LEGEND.

25 ACCENT PAINT, PT-3, AND SLAT WALL PANEL, WP-1. REFER TO ELEVATION 1/A760.

26 TYPICAL NATATORIUM FLOOR TILE PATTERN. REFER TO ENLARGED FINISH PLAN 5/A730 FOR DETAILS.

27 FT-1 IS TO BE INSTALLED FROM POOL GUTTER AND CONITNUE UNTIL ACCENT BAND. REFER TO DIMENSIONS NOTED FOR WIDTHS.

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

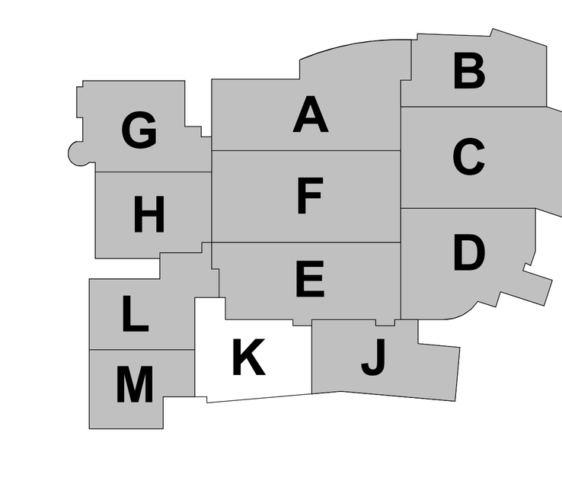
REVISIONS:

#	Date	Desc.
1	08/30/2023	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

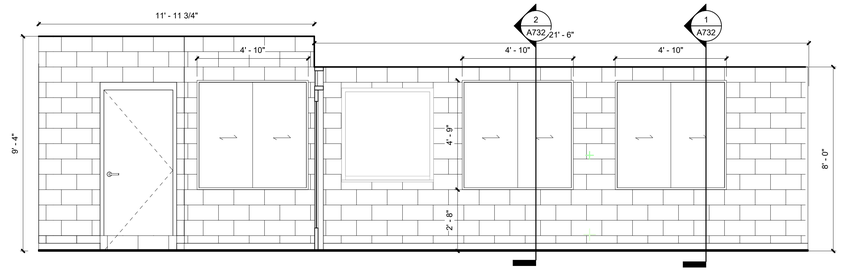
PROJECT: #22130
DATE: 08-11-2023
DRAWN BY: Author

INTERIOR FINISH PLAN - THIRD FLOOR - UNIT K



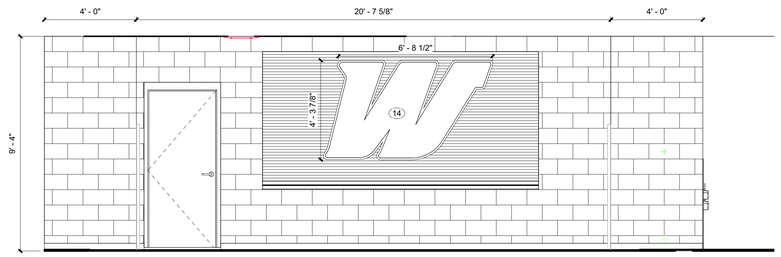
N TRUE NORTH

A723K



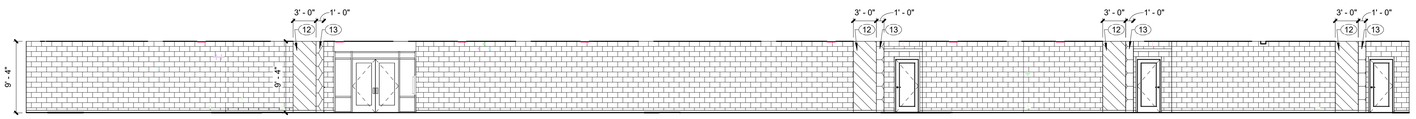
9 ELEVATION CORRIDOR M100 SOUTH

SCALE: 3/8" = 1'-0"



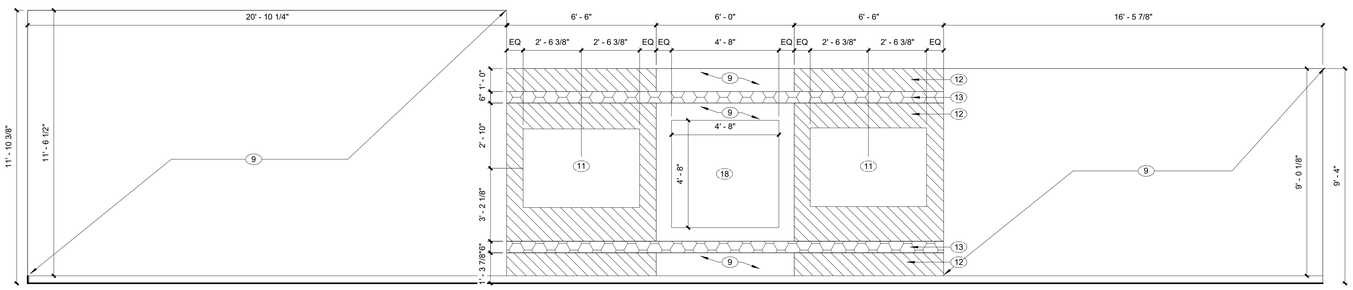
8 ELEVATION CORRIDOR L1100 EAST

SCALE: 3/8" = 1'-0"



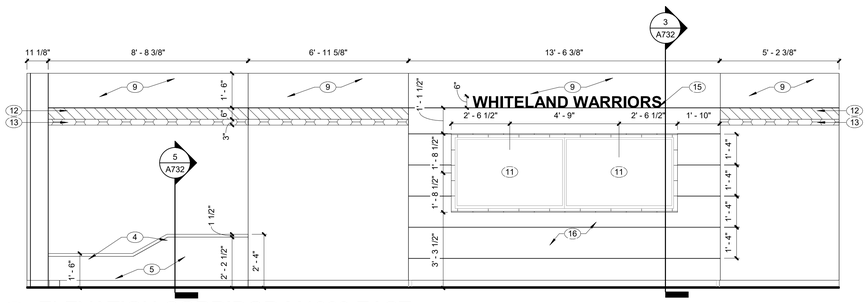
7 ELEVATION CORRIDOR L1100 WEST

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



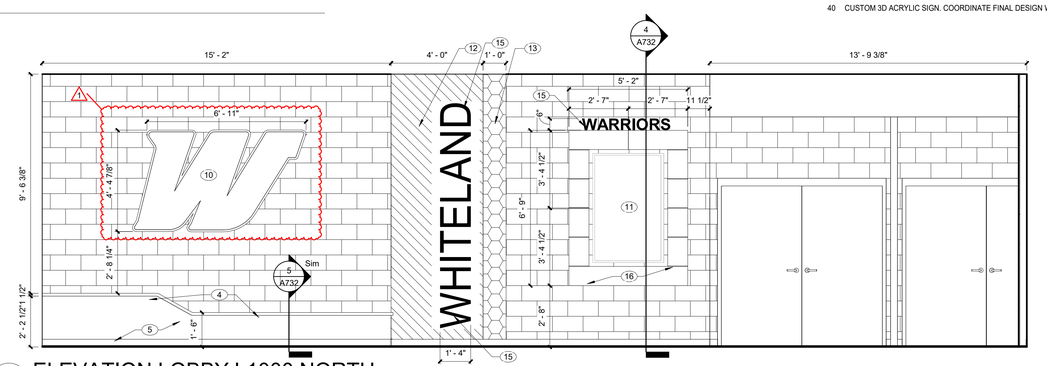
6 ELEVATION LOBBY L1000 EAST

SCALE: 3/8" = 1'-0"



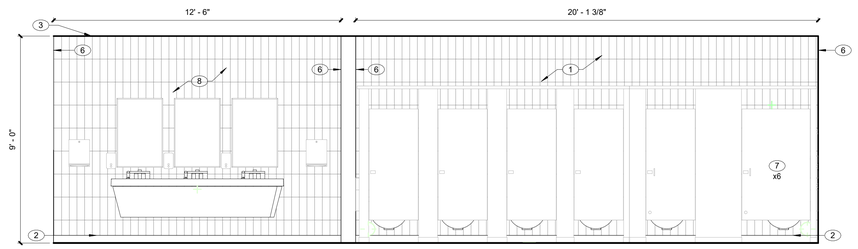
5 ELEVATION CORRIDOR M1000 EAST

SCALE: 3/8" = 1'-0"



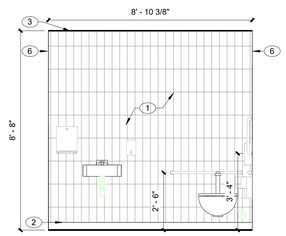
4 ELEVATION LOBBY L1000 NORTH

SCALE: 3/8" = 1'-0"



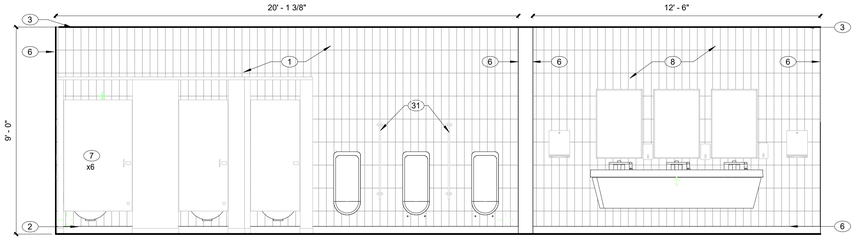
3 ELEVATION GROUP RESTROOM J118 WEST

SCALE: 3/8" = 1'-0"



2 TYPICAL SINGLE USER RESTROOM

SCALE: 3/8" = 1'-0"



1 ELEVATION GROUP RESTROOM J122 EAST

SCALE: 3/8" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

A. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.LS

B. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

C. CONTRACTOR TO PROVIDE DRYWALL REVEAL JOINT WHERE DRYWALL MEETS DISSIMILAR MATERIALS.

D. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.

E. IF ONLY PAINT IS INDICATED AS THE FINISH, REFER TO ARCHITECTURAL FLOOR PLANS FOR SUBSTRATE INFORMATION.

F. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFACTION OF DIMENSIONS AND JOB CONDITIONS. ANY DEVIATION FROM WHAT IS INDICATED ON THE FINISH PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND DESIGNERS.

G. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH MATERIAL, UNLESS INDICATED OTHERWISE ON PLANS.

H. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC., THAT ARE NOTED TO BE PAINTED ARE TO BE PAINTED MATCH WALL COLOR.

I. ALL WALLS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

ELEVATION NOTES - INTERIOR

1 WALL TILE, WT-1. REF. FINISH LEGEND.
2 1/4" SATIN ANODIZED ALUMINUM FINISH, SCHLUTER DILEX-AHKA TRIM - FLOOR/WALL TRANSITION.
3 1/4" SATIN ANODIZED ALUMINUM FINISH, SCHLUTER JOLLY TRIM - WALL/CEILING TRANSITION.
4 1-1/2" SOLID SURFACE TOP, SS-1. REF. FINISH LEGEND.
5 PLASTIC LAMINATE FRONT AND SIDES, PL-1. REF. FINISH LEGEND.
6 1/4" SATIN ANODIZED ALUMINUM FINISH, SCHLUTER DILEX-AHK TRIM - WALL/WALL TRANSITION.
7 TOILET PARTITION. REFER TO SPECS.
8 WALL TILE, WT-2. REF. FINISH LEGEND.
9 CUSTOM VINYL GRAPHIC ON DRYWALL. COORDINATE FINAL DESIGN WITH OWNER.
10 CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION WITH LIGHTING. PROVIDE POWER FOR LED LIGHTS. COORDINATE FINAL DESIGN WITH OWNER.
11 WALL MOUNTED DISPLAY MONITOR. PROVIDED BY OWNER. PROVIDE POWER.
12 TO BE PAINTED, PT-4. REF. FINISH LEGEND.
13 TO BE PAINTED, PT-5. REF. FINISH LEGEND.
14 ROLL-DOWN GRILLE DOOR TO HAVE VINYL DECAL. COORDINATE FINAL DESIGN WITH OWNER.
15 FURRING STRIPS TO BE PROVIDED FOR VIDEO BOARD HOUSING. EXACT DIMENSIONS TO BE FIELD VERIFIED. VIDEO BOARD HOUSING TO ALSO INCLUDE 1/2" LETTERING PANEL. COORDINATE FINAL DESIGN WITH OWNER. 1
16 BUILT-OUT MONITOR FRAME WITH PLASTIC LAMINATE, PL-1 FRONT. REFER TO INTERIOR DETIALS SHEET A732.
17 ACOUSTIC FABRIC WRAPPED PANEL, AWP-1. REF. TO FINISH LEGEND.
18 CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER.
19 ACOUSTIC FABRIC WRAPPED PANEL, AWP-2. REF. TO FINISH LEGEND.
20 PLASTIC LAMINATE, PL-1 FRONT AND SIDES. REFER TO SECTION 2/A351.
21 TO BE PAINTED, PT-3. REF. FINISH LEGEND.
22 GLASS MARKERBOARD MOUNTED TO WALL, MKBD-1. REF. FINISH LEGEND.
23 CUSTOM VINYL GRAPHIC ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER
24 CUSTOM VINYL GRAPHIC ON CMU AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER
25 NATATORIUM COLUMNS TO HAVE WALL TILE, WT-1 WRAPPED AROUND ALL SIDES. ALL OUTSIDE CORNERS TO BE FINISHED WITH SCHLUTER SATIN ANODIZED ALUMINUM JOLLY TRIM AND CORNER PIECES.
26 ACOUSTIC PANEL, AWP-3. TO BE PAINTED PT-2.
27 WALL MOUNTED VIDEO SCORE BOARD. REFER TO POOL DRAWINGS AND SPECIFICATIONS.
28 CUSTOM BANNER/GRAPHIC TO BE INSTALLED OVER AWP-3. COORDINATE FINAL DESIGN WITH OWNER.
29 AMERICAN FLAG PROVIDE BY OWNER.
31 URINAL PARTITION. REFER TO SPECS.
32 ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND TRUSSES, ALONG WITH ALL CEILING AND CEILING MECHANICAL EQUIPMENT IN NATATORIUM TO BE PAINTED PT-2 - TYPICAL.
33 CMU WRAPPED NATATORIUM COLUMNS TO BE PAINTED PT-3 ON ALL SIDES.
34 ACOUSTIC PANEL, AWP-4. TO BE PAINTED PT-1.
35 MARKERBOARD MOUNTED TO WALL, MKBD-2. REF. TO FINISH LEGEND.
36 DIGITAL DISPLAY BOARD. REFER TO POOL DRAWINGS.
37 DOUBLE STACKED LOCKERS. COLOR TO BE ROYAL BLUE. FINISH AND MATERIAL TO BE APPROVED BY ARCHITECT. 1
38 SINGLE STACK LOCKERS. COLOR TO BE ROYAL BLUE. FINISH AND MATERIAL TO BE APPROVED BY ARCHITECT.
39 RESILIENT BASE TO BE INSTALLED AND WRAPPED ALONG SIDES OF DRYWALL PARTITIONS.
40 CUSTOM 3D ACRYLIC SIGN. COORDINATE FINAL DESIGN WITH OWNER.

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS:

#	Date	Desc.
1	08/30/202 3	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

PROJECT:	#22130
DATE:	08-11-2023
DRAWN BY:	Author

INTERIOR ELEVATIONS

A751

PLOT DATE/TIME:8/31/2023 9:39:48 AM

GENERAL NOTES - INTERIOR ELEVATIONS

A. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.LS

B. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

C. CONTRACTOR TO PROVIDE DRYWALL REVEAL JOINT WHERE DRYWALL MEETS DISSIMILAR MATERIALS.

D. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.

E. IF ONLY PAINT IS INDICATED AS THE FINISH, REFER TO ARCHITECTURAL FLOOR PLANS FOR SUBSTRATE INFORMATION.

F. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFACTION OF DIMENSIONS AND JOB CONDITIONS. ANY DEVIATION FROM WHAT IS INDICATED ON THE FINISH PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND DESIGNERS.

G. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH MATERIAL, UNLESS INDICATED OTHERWISE ON PLANS.

H. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC., THAT ARE NOTED TO BE PAINTED ARE TO BE PAINTED MATCH WALL COLOR.

I. ALL WALLS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

ELEVATION NOTES - INTERIOR

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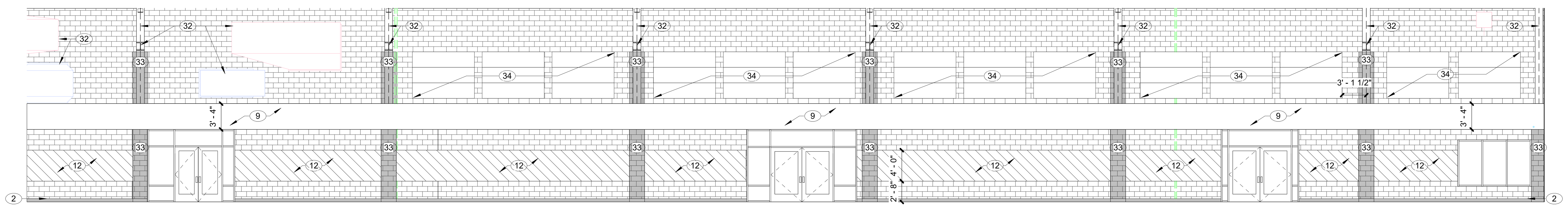
2 1/4" SATIN ANODIZED ALUMINUM FINISH, SCHLUTER DILEX-AHKA TRIM - FLOOR/WALL TRANSITION.
3 1/4" SATIN ANODIZED ALUMINUM FINISH, SCHLUTER JOLLY TRIM - WALL/CEILING TRANSITION.
4 1-1/2" SOLID SURFACE TOP, SS-1. REF. FINISH LEGEND.
5 PLASTIC LAMINATE FRONT AND SIDES, PL-1. REF. FINISH LEGEND.
6 1/4" SATIN ANODIZED ALUMINUM FINISH, SCHLUTER DILEX-AHK TRIM - WALL/WALL TRANSITION.
7 TOILET PARTITION. REFER TO SPECS.
8 WALL TILE, WT-2. REF. FINISH LEGEND.
9 CUSTOM VINYL GRAPHIC ON DRYWALL. COORDINATE FINAL DESIGN WITH OWNER.
10 CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION WITH LIGHTING. PROVIDE POWER FOR LED LIGHTS. COORDINATE FINAL DESIGN WITH OWNER.
11 WALL MOUNTED DISPLAY MONITOR. PROVIDED BY OWNER. PROVIDE POWER.
12 TO BE PAINTED, PT-4. REF. FINISH LEGEND.
13 TO BE PAINTED, PT-5. REF. FINISH LEGEND.
14 ROLL-DOWN GRILLE DOOR TO HAVE VINYL DECAL. COORDINATE FINAL DESIGN WITH OWNER.
15 FURRING STRIPS TO BE PROVIDED FOR VIDEO BOARD HOUSING. EXACT DIMENSIONS TO BE FIELD VERIFIED. VIDEO BOARD HOUSING TO ALSO INCLUDE 1/2" LETTERING PANEL. COORDINATE FINAL DESIGN WITH OWNER. (1)
16 BUILT-OUT MONITOR FRAME WITH PLASTIC LAMINATE, PL-1 FRONT. REFER TO INTERIOR DETIALS SHEET A732.
17 ACOUSTIC FABRIC WRAPPED PANEL, AWP-1. REF. TO FINISH LEGEND.
18 CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER.
19 ACOUSTIC FABRIC WRAPPED PANEL, AWP-2. REF. TO FINISH LEGEND.
20 PLASTIC LAMINATE, PL-1 FRONT AND SIDES. REFER TO SECTION 2/A351.
21 TO BE PAINTED, PT-3. REF. FINISH LEGEND.
22 GLASS MARKERBOARD MOUNTED TO WALL, MKBD-1. REF. FINISH LEGEND.
23 CUSTOM VINYL GRAPHIC ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER
24 CUSTOM VINYL GRAPHIC ON CMU AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER
25 NATATORIUM COLUMNS TO HAVE WALL TILE, WT-1 WRAPPED AROUND ALL SIDES. ALL OUTSIDE CORNERS TO BE FINISHED WITH SCHLUTER SATIN ANODIZED ALUMINUM JOLLY TRIM AND CORNER PIECES.
26 ACOUSTIC PANEL, AWP-3. TO BE PAINTED PT-2.
27 WALL MOUNTED VIDEO SCORE BOARD. REFER TO POOL DRAWINGS AND SPECIFICATIONS.
28 CUSTOM BANNER/GRAPHIC TO BE INSTALLED OVER AWP-3. COORDINATE FINAL DESIGN WITH OWNER.
29 AMERICAN FLAG PROVIDE BY OWNER.
31 URINAL PARTITION. REFER TO SPECS.
32 ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND TRUSSES, ALONG WITH ALL CEILING AND CEILING MECHANICAL EQUIPMENT IN NATATORIUM TO BE PAINTED PT-2 - TYPICAL.
33 CMU WRAPPED NATATORIUM COLUMNS TO BE PAINTED PT-3 ON ALL SIDES.
34 ACOUSTIC PANEL, AWP-4. TO BE PAINTED PT-1.
35 MARKERBOARD MOUNTED TO WALL, MKBD-2. REF. TO FINISH LEGEND.
36 DIGITAL DISPLAY BOARD. REFER TO POOL DRAWINGS.
37 DOUBLE STACKED LOCKERS. COLOR TO BE ROYAL BLUE. FINISH AND MATERIAL TO BE APPROVED BY ARCHITECT.
38 SINGLE STACK LOCKERS. COLOR TO BE ROYAL BLUE. FINISH AND MATERIAL TO BE APPROVED BY ARCHITECT. (1)
39 RESILIENT BASE TO BE INSTALLED AND WRAPPED ALONG SIDES OF DRYWALL PARTITIONS.
40 CUSTOM 3D ACRYLIC SIGN. COORDINATE FINAL DESIGN WITH OWNER.



5 Pool Seating M200 - East
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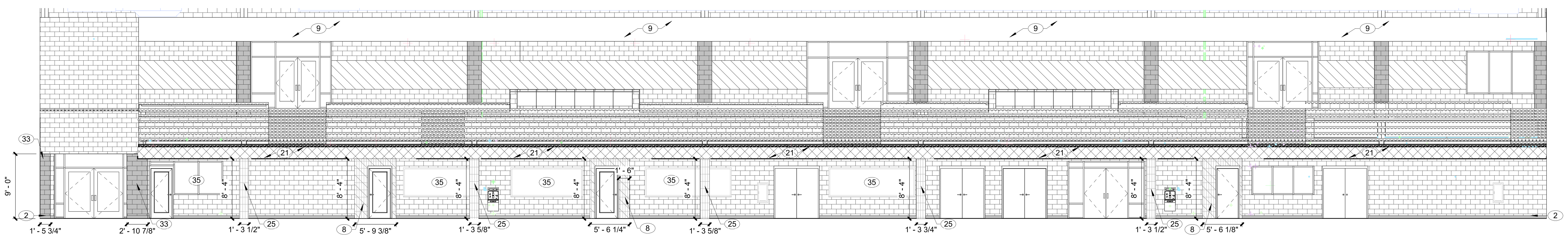
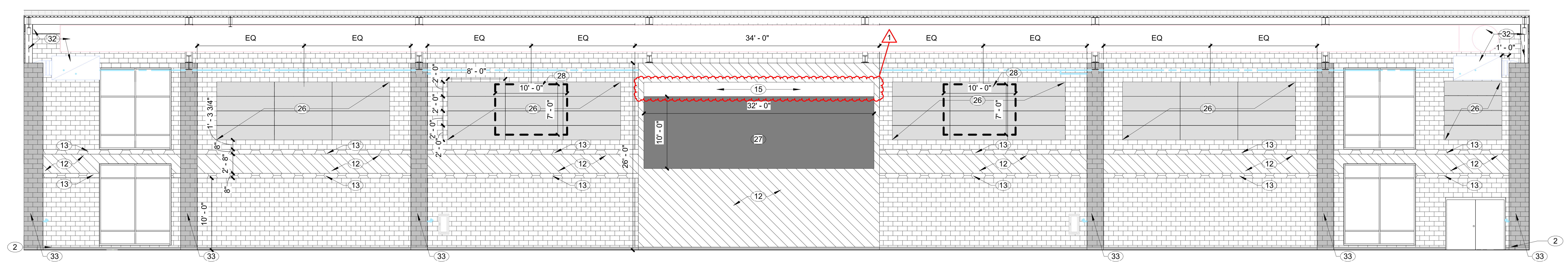
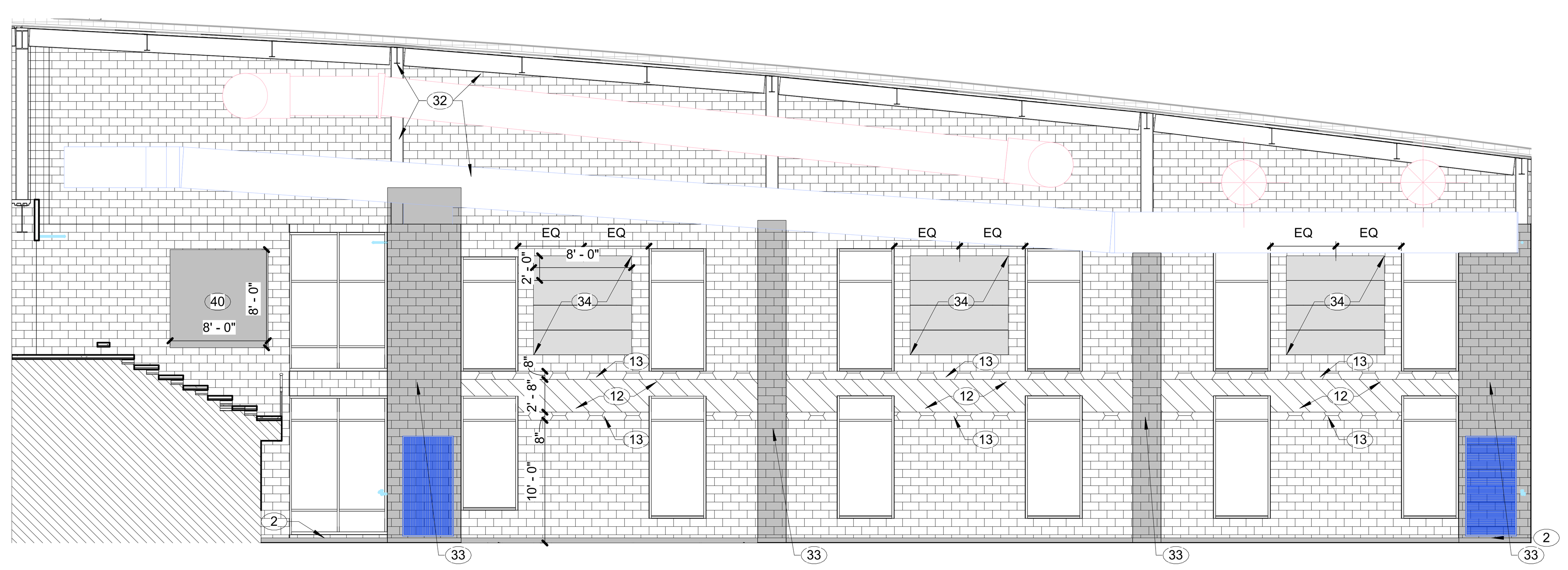


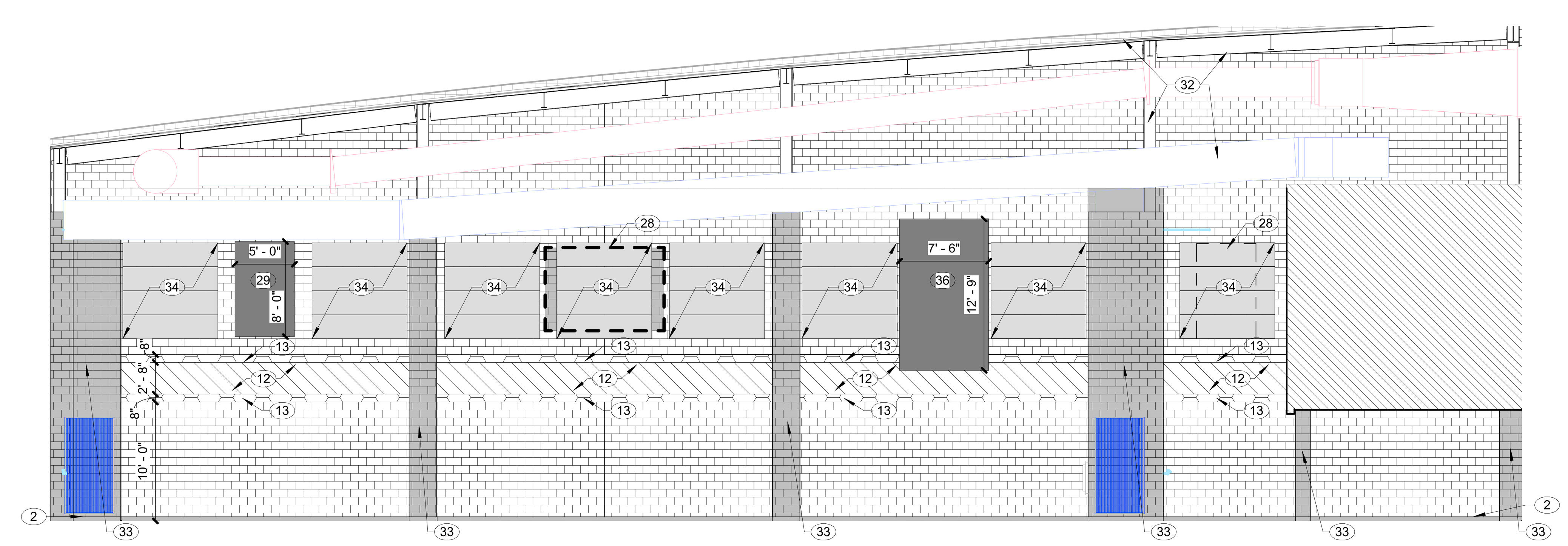
4 Pool Deck M100 - East
SCALE: 1/8" = 1'-0"



3 Pool Deck M100 - West
SCALE: 1/8" = 1'-0"



2 Pool Deck M100 - South
SCALE: 1/8" = 1'-0"



1 Pool Deck M100 - North
SCALE: 1/8" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REVISIONS:

#	Date	Desc.
1	08/30/2023	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 08-11-2023
DRAWN BY: Author

INTERIOR ELEVATIONS

A753

GENERAL NOTES - INTERIOR ELEVATIONS

A. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.LS

B. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

C. CONTRACTOR TO PROVIDE DRYWALL REVEAL JOINT WHERE DRYWALL MEETS DISSIMILAR MATERIALS.

D. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS. REFER TO FINISH MATERIAL LEGEND AND INTERIOR ELEVATIONS FOR FURTHER DETAILS.

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G. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH MATERIAL, UNLESS INDICATED OTHERWISE ON PLANS.

H. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC., THAT ARE NOTED TO BE PAINTED ARE TO BE PAINTED MATCH WALL COLOR.

I. ALL WALLS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

ELEVATION NOTES - INTERIOR

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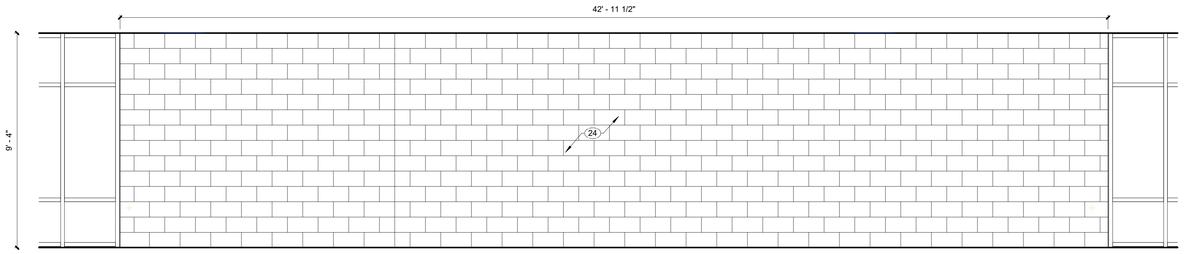
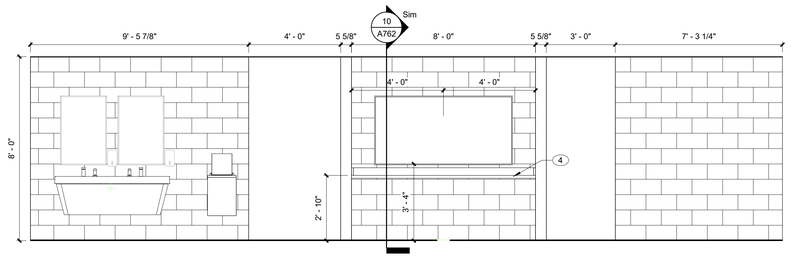
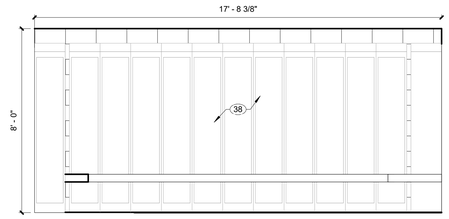
3 1/4" SATIN ANODIZED ALUMINUM FINISH, SCHLUTER JOLLY TRIM - WALL/CEILING TRANSITION.
4 1-1/2" SOLID SURFACE TOP. SS-1. REF. FINISH LEGEND.
5 PLASTIC LAMINATE FRONT AND SIDES. PL-1. REF. FINISH LEGEND.
6 1/4" SATIN ANODIZED ALUMINUM FINISH, SCHLUTER DILEX-AHK TRIM - WALL/WALL TRANSITION.
7 TOILET PARTITION. REFER TO SPECS.
8 WALL TILE. WT-2. REF. FINISH LEGEND.
9 CUSTOM VINYL GRAPHIC ON DRYWALL. COORDINATE FINAL DESIGN WITH OWNER.
10 CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION WITH LIGHTING. PROVIDE POWER FOR LED LIGHTS. COORDINATE FINAL DESIGN WITH OWNER.
11 WALL MOUNTED DISPLAY MONITOR. PROVIDED BY OWNER. PROVIDE POWER.
12 TO BE PAINTED, PT-4. REF. FINISH LEGEND.
13 TO BE PAINTED, PT-5. REF. FINISH LEGEND.
14 ROLL-DOWN GRILLE DOOR TO HAVE VINYL DECAL. COORDINATE FINAL DESIGN WITH OWNER.
15 FURRING STRIPS TO BE PROVIDED FOR VIDEO BOARD HOUSING. EXACT DIMENSIONS TO BE FIELD VERIFIED. VIDEO BOARD HOUSING TO ALSO INCLUDE 1/2" LETTERING PANEL. COORDINATE FINAL DESIGN WITH OWNER. (1)
16 BUILT-OUT MONITOR FRAME WITH PLASTIC LAMINATE, PL-1 FRONT. REFER TO INTERIOR DETIALS SHEET A732.
17 ACOUSTIC FABRIC WRAPPED PANEL, AWP-1. REF. TO FINISH LEGEND.
18 CUSTOM 3D ACRYLIC SIGNAGE ELEMENT AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER.
19 ACOUSTIC FABRIC WRAPPED PANEL, AWP-2. REF. TO FINISH LEGEND.
20 PLASTIC LAMINATE, PL-1 FRONT AND SIDES. REFER TO SECTION 2/A351.
21 TO BE PAINTED, PT-3. REF. FINISH LEGEND.
22 GLASS MARKERBOARD MOUNTED TO WALL. MKBD-1. REF. FINISH LEGEND.
23 CUSTOM VINYL GRAPHIC ON DRYWALL AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER
24 CUSTOM VINYL GRAPHIC ON CMU AT THIS LOCATION. COORDINATE FINAL DESIGN WITH OWNER
25 NATATORIUM COLUMNS TO HAVE WALL TILE, WT-1 WRAPPED AROUND ALL SIDES. ALL OUTSIDE CORNERS TO BE FINISHED WITH SCHLUTER SATIN ANODIZED ALUMINUM JOLLY TRIM AND CORNER PIECES.
26 ACOUSTIC PANEL, AWP-3. TO BE PAINTED PT-2.
27 WALL MOUNTED VIDEO SCORE BOARD. REFER TO POOL DRAWINGS AND SPECIFICATIONS.
28 CUSTOM BANNER/GRAPHIC TO BE INSTALLED OVER AWP-3. COORDINATE FINAL DESIGN WITH OWNER.
29 AMERICAN FLAG PROVIDE BY OWNER.
31 URINAL PARTITION. REFER TO SPECS.
32 ALL EXPOSED STRUCTURAL STEEL COLUMNS, BEAMS, AND TRUSSES, ALONG WITH ALL CEILING AND CEILING MECHANICAL EQUIPMENT IN NATATORIUM TO BE PAINTED PT-2 - TYPICAL.
33 CMU WRAPPED NATATORIUM COLUMNS TO BE PAINTED PT-3 ON ALL SIDES.
34 ACOUSTIC PANEL, AWP-4. TO BE PAINTED PT-1.
35 MARKERBOARD MOUNTED TO WALL, MKBD-2. REF. TO FINISH LEGEND.
36 DIGITAL DISPLAY BOARD. REFER TO POOL DRAWINGS.
37 DOUBLE STACKED LOCKERS. COLOR TO BE ROYAL BLUE. FINISH AND MATERIAL TO BE APPROVED BY ARCHITECT.
38 SINGLE STACK LOCKERS. COLOR TO BE ROYAL BLUE. FINISH AND MATERIAL TO BE APPROVED BY ARCHITECT. (1)
39 RESILIENT BASE TO BE INSTALLED AND WRAPPED ALONG SIDES OF DRYWALL PARTITIONS.
40 CUSTOM 3D ACRYLIC SIGN. COORDINATE FINAL DESIGN WITH OWNER.



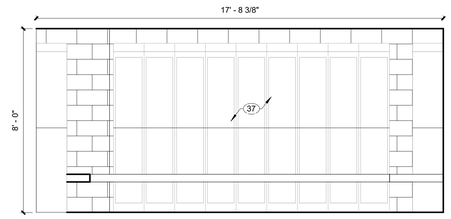
7 ELEVATION CORRIDOR K3000 SOUTH
SCALE: 3/8" = 1'-0"



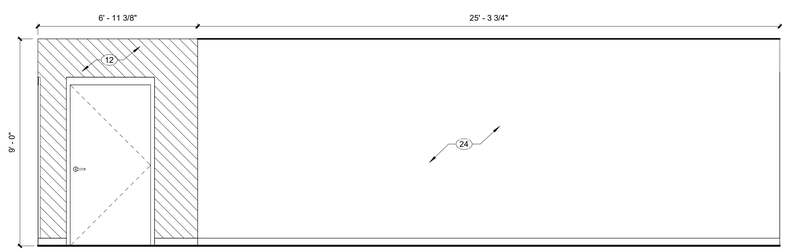
6 TYP. RR/SHOWER COUNTER
SCALE: 3/8" = 1'-0"



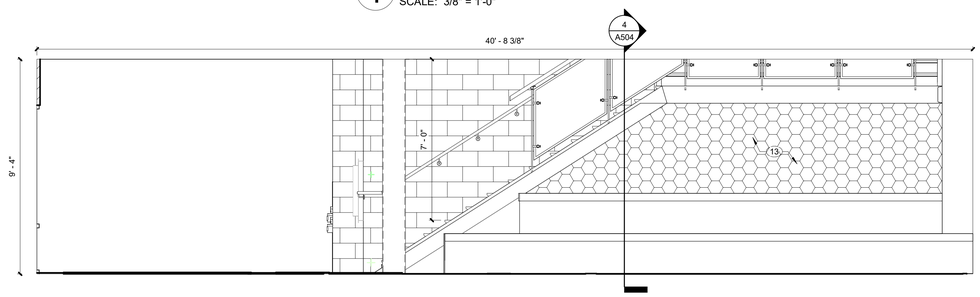
5 TYP. TEAM LOCKER ELEVATION
SCALE: 3/8" = 1'-0"



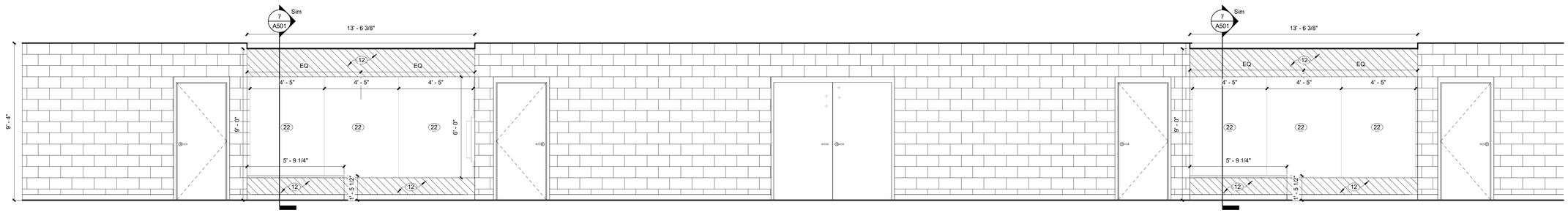
4 TYP. PE LOCKER ELEVATION
SCALE: 3/8" = 1'-0"



3 ELEVATION CORRIDOR J142 WEST
SCALE: 3/8" = 1'-0"



2 ELEVATION ATRIUM K1000 STAIRCASE WEST
SCALE: 3/8" = 1'-0"



1 ELEVATION CORRIDOR K1100 NORTH
SCALE: 3/8" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

JERRY L. CRIPE REGISTERED NO. 880033 STATE OF INDIANA

REVISIONS:

#	Date	Desc.
1	08/30/202 3	ADDENDUM 01

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 08-11-2023
DRAWN BY: Author

INTERIOR ELEVATIONS

A754

PLOT DATE/TIME:8/31/2023 9:34:27 AM

August 30, 2023

Mr. Misha Belyayev
Lancer Associates Architecture
145 N. East Street
Indianapolis, IN 46204

RE: Whiteland Community High School Campus Improvements
Phase 1
Summary of Civil Revisions – Addendum No. 001

Misha:

Please see below for a summary of the plan and technical specification revisions, dated August 30, 2023, which are associated with Addendum No. 001 for the above referenced project:

- **Utility Plan (sheet 400):**
  - "Sanitary Sewer Lateral Table" - revised upstream invert elevations ("U.S. INV.") of sanitary cleanout lateral runs ANT (acid neutralization tank), #1, and #4 to match Underground Plumbing Plan prepared by Primary Engineering, Inc.
  - "Sanitary Sewer Lateral Table" – revised diameter of lateral run #2 to match Underground Plumbing Plan prepared by Primary Engineering, Inc.
- **Utility Plan (sheet 401):**
  - Revised locations of sanitary cleanout #8 and #9 and deleted lateral run #9 direct connection to sanitary manhole Str. No. SS-6 per IDEM sanitary sewer permit review.
  - "Sanitary Sewer Lateral Table" – revised upstream invert elevations ("U.S. INV.") and lengths of lateral runs #8 and #9.
  - "Storm Sewer Structure Table" – revised diameter of pipe entering Str. No. 51 from the north to match Underground Plumbing Plan prepared by Primary Engineering, Inc.
  - "Storm Sewer Structure Table" – revised Str. No. 64 description to include CheckMate UltraFlex Inline Check Valve per comments received from Johnson Co. Surveyor's Office outside review consultant.
  - "Storm Sewer Structure Table" – revised direction of pipe entering Str. No. 68 from roof drain system to match Underground Plumbing Plan prepared by Primary Engineering, Inc.
  - "Storm Sewer Structure Table" – added storm sewer cleanout (Str. No. 68A) for roof drain connection.
  - **"**Sanitary Sewer Structure Table" – deleted lateral connection to Str. No. SS-6 per IDEM sanitary sewer permit review.
  - Revised alignment of roof drain connection to Str. No. 68 and added storm sewer cleanout (Str. No. 68A).
- **Grading Plan (sheets 500 & 501):**
  - Deleted proposed pad elevation ("PROP. PE") and revised Grading Notes #3 to indicate that the contractor shall refer to the architectural or structural plans for internal changes to the proposed finished floor elevation, concrete slab and stone subbase thickness, slab slopes, elevator pit elevations, and swimming pool elevations.
- **Sanitary Plan and Profile (sheet 700):**
  - Revised sanitary sewer profile "SS-E" to include sanitary lateral connection from cleanout #9 and deleted lateral connection to Str. No. SS-6 per IDEM sanitary sewer permit review.
- **Storm Plan and Profile (sheet 804):**

    - Revised storm sewer profile "STM-BB" to include new storm sewer cleanout (Str. No. 68A) for roof drain connection.
- **Erosion Control Plan (sheets 901 & 902):**
    - Revised to denote silt fence locations in response to Constructability Review dated 8/28/23.
- **Miscellaneous Details (sheet 1001):**
    - Revised "Outlet Control Structure Detail – Str. No. 64" to include CheckMate UltraFlex Inline Check Valve per comments received from Johnson Co. Surveyor's Office outside review consultant.
- **Section 33 4200 – Stormwater Conveyance:**
    - Revised to include CheckMate UltraFlex Inline Check Valve specifications per comments received from Johnson Co. Surveyor's Office outside review consultant.

In addition, please accept the follow as our formal response to the civil site drawing comments provided in the Constructability Review dated 8/28/23 (CrossRoad Engineers' responses in bold).

A. Site Drawings

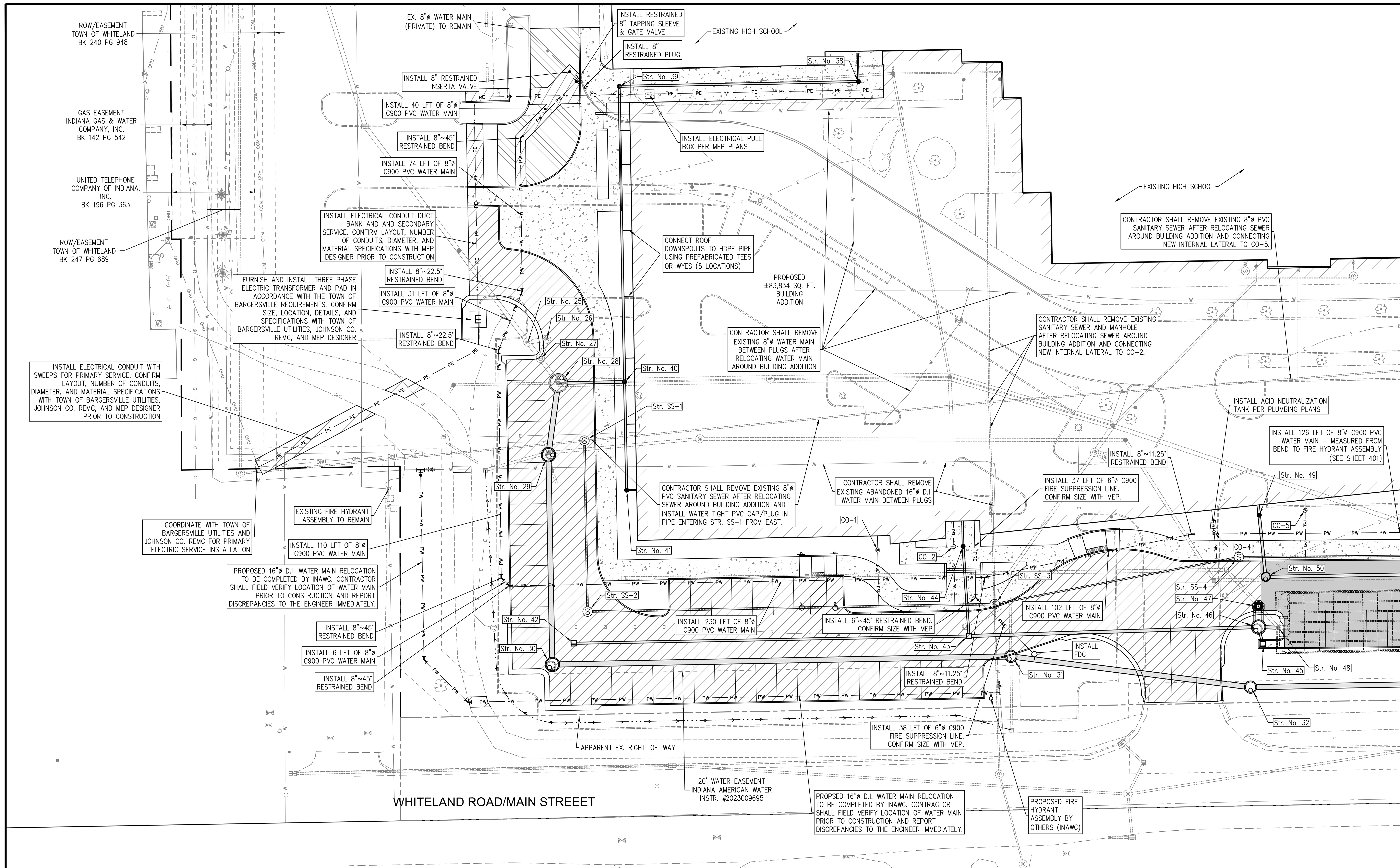
c. Is silt fence required? I don't see any.
Yes, silt fence is required and shown on the Erosion Control Plans (sheets 901 & 902). The silt fence locations have been denoted on the revised Erosion Control Plans.

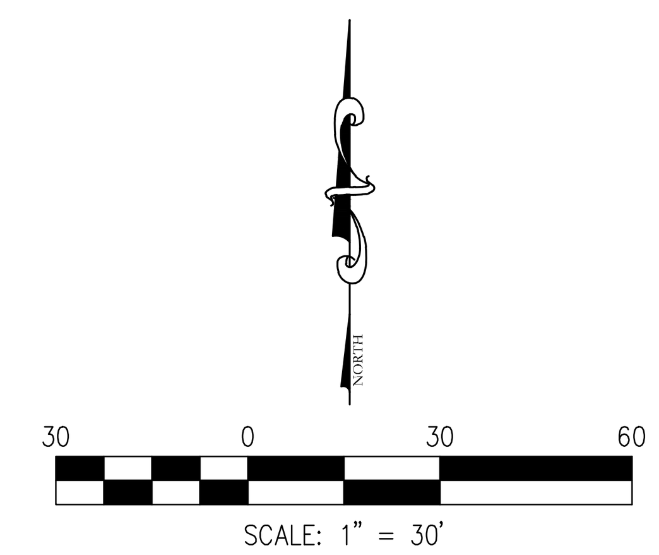
d. Is the new sign out front shown?
Yes, the location of the new electronic sign is shown on the Site Dimension Plan in between the existing and proposed underground detention systems (see sheet 302).

Please find the revised construction plans and technical specifications enclosed. Please feel free to contact me at 317-780-1555 ext. 135 or dsnyder@crossroadengineers.com if you have any questions or need additional information on these subjects.

Sincerely,
CrossRoad Engineers, P.C.

Derek M. Snyder, P.E.
Project Engineer





PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- PHASE LINE
- SETBACK LINE
- EASEMENT LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER LINE
- FIRE SUPPRESSION LINE
- STORM INLETS
- STORM CURB INLETS
- AQUA-SWIRL UNITS
- WATER TEE
- 90° BEND
- 45° BEND
- 22.5° BEND
- 11.25° BEND
- TAPPING SLEEVE
- WATER VALVE
- FIRE HYDRANT
- STORTZ FDC
- WATER PLUG
- ELECTRIC TRANSFORMER
- ELECTRIC PULL BOX
- SIGN

EXISTING LEGEND

- POWERPOLE
- POWERPOLE W/RISER
- POWERPOLE W/LIGHT
- LIGHT POLE
- ELECTRIC METER
- ELECTRIC BOX
- YARD LIGHT
- GUIDE WIRE
- TELEPHONE MANHOLE
- TELEPHONE RISER
- WATER VALVE
- FIRE HYDRANT
- WATER MANHOLE
- WATER METER
- GAS VALVE
- GAS METER
- CABLE TV RISER
- FIBER OPTIC BOX
- CLEANOUT
- SIGN
- STORM ROUND INLET
- STORM CURB INLET
- RIGHT-OF-WAY MARKER
- TREE, BUSH & STUMP
- TEMP. BENCHMARK
- CONTOURS (800)
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY
- EASEMENT
- ADJOINER LINE
- PAVEMENT LINE
- FIELD LINE
- PRIVACY FENCE
- CHAINLINK FENCE
- SPLIT RAIL FENCE
- DITCH
- FIBER OPTIC LINE
- GAS LINE
- TELEPHONE LINE
- WATER LINE
- CABLE TV LINE
- ELECTRIC LINE
- OVERHEAD UTILITY LINE
- TREE LINE
- SANITARY SEWER W/MANHOLE
- STORM SEWER W/ MANHOLE & END SECTION

(D) DEED (M) MEASURE (PS) PLAT SURVEY

ASPHALT BUILDING CONCRETE GRAVEL

EXISTING STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 25 EXISTING STORM MANHOLE RECONSTRUCT TO GRADE (EX. RIM=797.92) PROP. RIM=799.43 INV IN (24"~NW)=794.07 INV OUT (24"~SE)=794.07 INV OUT (18"~E)=794.07
STR. NO. 26 EXISTING AQUA-SWIRL WATER QUALITY UNIT RECONSTRUCT TO GRADE (EX. RIM=797.66) PROP. RIM=798.89 INV IN (18"~W)=794.06 INV OUT (18"~S)=794.06
STR. NO. 27 EXISTING STORM MANHOLE RECONSTRUCT TO GRADE (EX. RIM=797.64) PROP. RIM=798.96 INV IN (24"~NW)=794.04 INV IN (18"~N)=794.04 INV OUT (24"~SE)=794.04

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 28 INSTALL TYPE 'L' MANHOLE WITH NEENAH CASTING R-3405-A OR AN APPROVED EQUAL AND 35 LFT OF 30"ø PP PIPE @ 0.46% RIM=798.76 INV IN (12"~W)=793.98 INV IN (24"~NW)=794.00 INV IN (15"~E)=794.62 INV OUT (30"~S)=793.50
STR. NO. 29 INSTALL TYPE 'K' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 102 LFT OF 30"ø PP PIPE @ 0.47% RIM=799.25 INV IN (30"~N)=793.34 INV IN (15"~W)=794.78 INV OUT (30"~S)=793.34
STR. NO. 30 INSTALL TYPE 'K' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 222 LFT OF 30"ø PP PIPE @ 0.47% RIM=799.24 INV IN (30"~N)=792.86 INV OUT (30"~E)=792.86
STR. NO. 31 INSTALL TYPE 'J' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 117 LFT OF 30"ø PP PIPE @ 0.90% RIM=799.98 INV IN (30"~W)=791.82 INV IN (15"~S)=794.40 INV OUT (30"~E)=791.82

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 32 INSTALL TYPE 'J' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 238 LFT OF 30"ø PP PIPE @ 0.90% RIM=797.75 INV IN (30"~W)=790.77 INV OUT (30"~E)=790.77
STR. NO. 38 INSTALL 12" NYLOPLAST DRAIN WITH H-10 PEDESTRIAN GRATE AND 116 LFT OF 12"ø VARIABLE RISER HEIGHT DURASLOT HDPE PIPE @ 0.30% RIM=801.54 INV IN (8"~N)=798.10 INV OUT (12"~W)=797.94
STR. NO. 39 INSTALL 15" NYLOPLAST DRAIN WITH H-10 SOLID COVER AND 143 LFT OF 12"ø HDPE PIPE @ 1.70% RIM=801.54 INV IN (12"~E)=797.59 INV OUT (12"~S)=797.59
STR. NO. 40 INSTALL 18" NYLOPLAST DRAIN WITH SOLID COVER AND 32 LFT OF 15"ø HDPE PIPE @ 0.90% RIM=800.61 INV IN (12"~N)=795.16 INV IN (12"~S)=797.00 INV OUT (15"~W)=794.91

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 41 INSTALL 12" NYLOPLAST DRAIN WITH SOLID COVER AND 53 LFT OF 12"ø SCH 40 PVC PIPE @ 0.48% RIM=800.81 INV IN (4"~E)=797.92 INV OUT (12"~N)=797.25
STR. NO. 42 INSTALL TYPE 'E' INLET WITH NEENAH R-3405-A CASTING OR AN APPROVED EQUAL AND 192 LFT OF 12"ø HDPE PIPE @ 0.30% RIM=799.08 INV OUT (12"~E)=795.41
STR. NO. 43 INSTALL TYPE 'F' INLET WITH NEENAH R-3405-A CASTING OR AN APPROVED EQUAL AND 140 LFT OF 18"ø HDPE PIPE @ 0.19% RIM=799.08 INV IN (12"~W)=794.84 INV IN (12"~N)=795.50 INV OUT (18"~E)=794.34
STR. NO. 44 INSTALL 12" NYLOPLAST DRAIN WITH H-10 SOLID COVER AND 44 LFT OF 12"ø HDPE PIPE @ 1.10% RIM=801.50 INV IN (10"~N)=797.70 INV OUT (12"~S)=795.98

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 45 INSTALL TYPE 'E' INLET WITH NEENAH R-4215-C CASTING OR AN APPROVED EQUAL AND 8 LFT OF 12"ø HDPE PIPE @ 0.35% RIM=797.90 INV OUT (12"~N)=794.24
STR. NO. 46 INSTALL MODIFIED TYPE 'K' MANHOLE FOR WATER QUALITY DIVERSION STRUCTURE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 10 LFT OF 18"ø HDPE PIPE @ 0.31% 10 LFT OF 12"ø HDPE PIPE @ 0.80% RIM=798.75 INV IN (18"~W)=794.07 INV IN (12"~N)=793.90 INV IN (12"~S)=794.21 INV OUT (18"~E)=793.91 INV OUT (12"~N)=794.06
STR. NO. 47 INSTALL PCS AQUA-SWIRL AS-4 IN OFFLINE HORSESHOE CONFIGURATION WITH 10 LFT OF 12"ø HDPE PIPE @ 0.80% RIM=798.60 INV IN (12"~S)=793.98 INV OUT (12"~S)=793.98
STR. NO. 48 MECHANICALLY CORE EXISTING STORM MANHOLE AND CONNECT NEW 18" STORM SEWER. INSTALL NEENAH R-1772 CASTING OR AN APPROVED EQUAL RIM=798.80 INV IN (18"~W)=793.88 INV IN (12"~S)=793.63 INV IN (12"~N)=793.93 INV OUT (24"~E)=793.88

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 49 INSTALL 15" NYLOPLAST DRAIN WITH SOLID COVER AND 30 LFT OF 15"ø HDPE PIPE @ 1.99% RIM=800.74 INV IN (14"~N)=796.70 INV OUT (15"~S)=794.65
STR. NO. 50 INSTALL TYPE 'C' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 102 LFT OF 18"ø HDPE PIPE @ 1.00% RIM=798.76 INV IN (15"~N)=794.05 INV OUT (18"~E)=793.80

NOTE: STR. NO. 46 SHALL HAVE A 24" SUMP

SANITARY SEWER STRUCTURE TABLE

STR. DATA
STR. NO. SS-1 INSTALL SANITARY DOGHOUSE MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 83 LFT OF 10"ø SDR-35 PVC PIPE @ 0.37% RIM=799.26 INV IN (10"~W)=791.57 INV OUT (10"~S)=791.47 INV OUT (10"~E)=791.57
STR. NO. SS-2 INSTALL SANITARY MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 197 LFT OF 10"ø SDR-35 PVC PIPE @ 0.39% RIM=799.24 INV IN (10"~N)=791.16 INV OUT (10"~E)=791.06
STR. NO. SS-3 INSTALL SANITARY DOGHOUSE MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL RIM=799.92 INV IN (10"~W)=790.30 INV IN (10"~N)=790.20 INV IN (8"~E)=790.20 INV OUT (10"~S)=790.20
STR. NO. SS-4 INSTALL SANITARY MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 121 LFT OF 8"ø SDR-35 PVC PIPE @ 0.40% RIM=799.50 INV IN (8"~E)=790.68 INV OUT (8"~W)=790.68

SANITARY SEWER LATERAL TABLE

INSTALL SANITARY CLEANOUT AND SDR 35 PVC LATERAL.
MINIMUM SLOPE SHALL BE 1.04% UNLESS NOTED OTHERWISE BELOW.

RUN	CLEANOUT TYPE	DIAMETER	LENGTH	SLOPE	U.S. INV.
ANT	Neutralization Tank	6"	4'	2.05%	798.28
1	TYPE 1	10"	27'	2.02%	795.20
2	TYPE 2	8"	28'	1.13%	790.70
4	TYPE 1	6"	14'	2.00%	798.20
5	TYPE 1	6"	22'	2.00%	796.70

1

UTILITIES NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
2. CONTRACTOR SHALL REFER TO THE ELECTRICAL SITE PLAN PREPARED BY PRIMARY ENGINEERING, INC. FOR PARKING LOT LIGHTING AND SPECIFICATIONS.
3. ALL STORM SEWER CASTINGS SHALL BE NPDES PHASE II COMPLIANT. CASTINGS SHALL BE MANUFACTURED WITH A STATEMENT SAYING: "DUMP NO WASTE, DRAINS TO RIVER" IN ½" RAISED LETTERS.
4. ALL FIELD TILES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEW STORMWATER FACILITIES.
5. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING UNDERGROUND STORMWATER DETENTION CHAMBERS DURING THE ENTIRE DURATION OF THE PROJECT. CONTRACTOR SHALL COORDINATE WITH ADVANCED DRAINAGE SOLUTIONS, INC. (ADS) TO DETERMINE THE MINIMUM COVER REQUIRED OVER THE EXISTING CHAMBERS DURING CONSTRUCTION, AS WELL AS, THE APPROPRIATE EQUIPMENT AND OPERATIONS TO PROTECT THE CHAMBERS.
6. WATER MAIN INSTALLATION AND MATERIALS SHALL CONFORM TO THE TOWN OF WHITELAND TYPICAL CONSTRUCTION GUIDELINES AND DETAILS.
7. TAPPING SLEEVES AND VALVES SHALL BE EJP OR MUELLER H-615, H-616 OR STAINLESS STEEL SLEEVES. TAPPING VALVES SHALL BE 2360 SERIES BY MEULLER OR AFC 2500.
8. FIRE HYDRANT ASSEMBLIES SHALL BE SUPER CENTURION 250 HYDRANT BY MEULLER CO. WITH STORZ FITTING ON STEAMER WITH 5'-6" MIN. BURIAL DEPTH.
9. ALL FITTINGS SHALL BE DUCTILE IRON (D.I.) WITH MECHANICAL JOINTS (M.J.) CONFORMING TO AWWA C-110, C-111, C-153, AND NSF-61. ALL WATER MAIN FITTINGS SHALL BE RESTRAINED IN ACCORDANCE WITH THE TOWN OF WHITELAND TYPICAL CONSTRUCTION GUIDELINES AND DETAILS.
10. MEG-A-LUG RETAINER GLANDS BY EBBA IRON, INC. , FIELD-LOK GASKETS, OR ONE BOLT RESTRAINED FITTINGS SHALL BE USED ON EACH SIDE OF FITTINGS WHERE THE WATER MAIN CHANGES DIRECTION.
11. CONTRACTOR SHALL COORDINATE CONSTRUCTION SEQUENCE WITH THE OWNER AND SKILLMAN CORPORATION AND MAINTAIN ACTIVE UTILITY SERVICES AT ALL TIMES. ALL TEMPORARY UTILITY SERVICE INTERRUPTIONS MUST BE APPROVED BY THE OWNER AND SKILLMAN CORPORATION PRIOR TO INSTALLATION OF IMPROVEMENTS.
12. EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.
13. CONTRACTOR SHALL CONNECT ROOF DRAINS TO STR. NO. 38, 44, 49, 51, AND 58 AS SHOWN. CONFIRM ROOF DRAIN LOCATIONS, DIAMETERS, AND INVERT ELEVATIONS EXITING THE BUILDING WITH THE MEP PLANS PRIOR TO CONSTRUCTION.
14. CONTRACTOR SHALL CONFIRM SANITARY LATERAL LOCATIONS, DIAMETERS, AND INVERT ELEVATIONS EXITING THE BUILDING WITH THE MEP PLANS PRIOR TO CONSTRUCTION.

INDIANA 811 Know what's below. Call before you dig.

DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY	APPR.
1	08.30.23	REVISIONS PER ADDENDUM NO. 001	DMS	GJI
	07.28.23	REVISIONS PER WHITELAND TAC COMMENTS. 100% CONSTRUCTION DOCUMENT	DMS	GJI

UTILITY PLAN

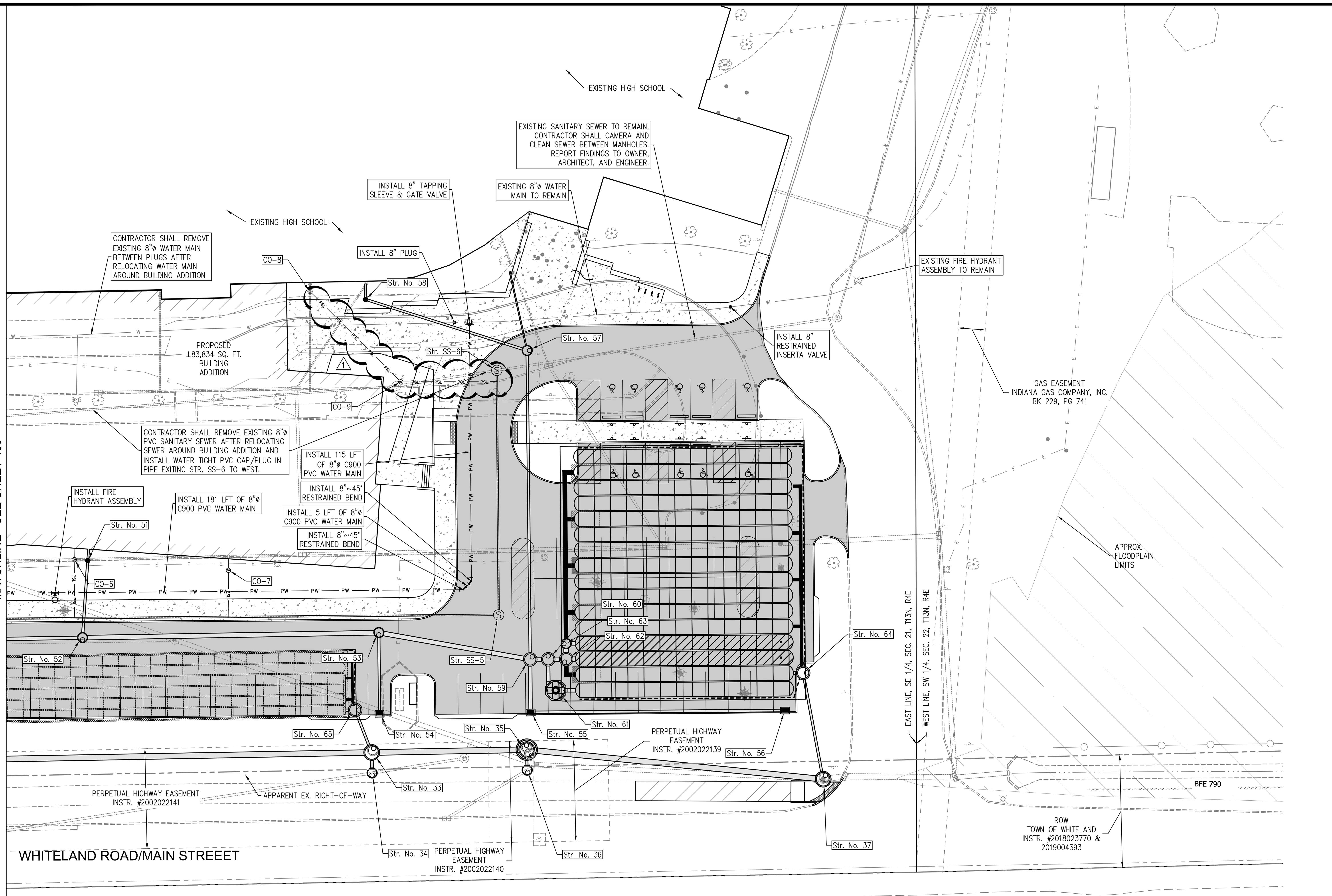
WHITELAND HIGH SCHOOL PHASE 1

JOB NO.	-	DRAWN	KLF	CHECKED	TEN
DATE	JULY 5, 2023	DESIGNED	DMS	APPR.	GJI

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants

SHEET 400

DIRECTORY PATH : R:\Active\Lancer+Beebe\Whiteland High School\Design\CAD\Plans\PHASE 1
FILENAME : 400 UTILITY PLAN.dwg
DATE/USER : 8/29/2023 9:31 AM / Dsnyder



EXISTING LEGEND

	POWERPOLE		CONTOURS
	POWERPOLE W/RISER		PROPERTY LINE
	POWERPOLE W/LIGHT		SECTION LINE
	LIGHT POLE		RIGHT-OF-WAY
	ELECTRIC METER		EASEMENT
	ELECTRIC BOX		ADJOINER LINE
	YARD LIGHT		PAVEMENT LINE
	GUIDE WIRE		FIELD LINE
	TELEPHONE MANHOLE		PRIVACY FENCE
	TELEPHONE RISER		CHAINLINK FENCE
	WATER VALVE		SPLIT RAIL FENCE
	FIRE HYDRANT		DITCH
	WATER MANHOLE		FIBER OPTIC LINE
	WATER METER		GAS LINE
	GAS VALVE		TELEPHONE LINE
	GAS METER		WATER LINE
	CABLE TV RISER		CABLE TV LINE
	FIBER OPTIC BOX		ELECTRIC LINE
	CLEANOUT		OVERHEAD UTILITY LINE
	SIGN		TREE LINE
	STORM ROUND INLET		SANITARY SEWER W/MANHOLE
	STORM CURB INLET		
	RIGHT-OF-WAY MARKER		STORM SEWER W/ MANHOLE & END SECTION
	TREE, BUSH & STUMP		
	TEMP. BENCHMARK		

(D) DEED (M) MEASURE (PS) PLAT SURVEY

ASPHALT BUILDING CONCRETE

GRAVEL

PROPOSED LEGEND

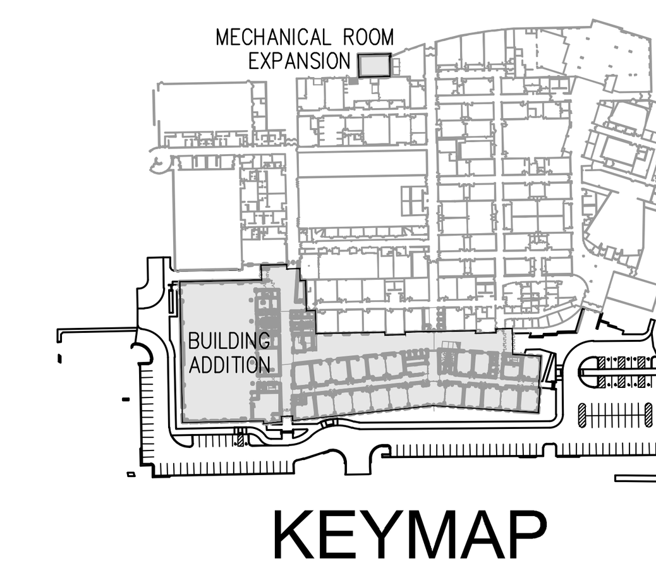
- PROPERTY LINE
- SECTION LINE
- PHASE LINE
- SETBACK LINE
- EASEMENT LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER LINE
- FIRE SUPPRESSION LINE
- STORM INLETS
- STORM CURB INLETS
- AQUA-SWIRL UNITS
- WATER TEE
- 90° BEND
- 45° BEND
- 22.5° BEND
- 11.25° BEND
- TAPPING SLEEVE
- WATER VALVE
- FIRE HYDRANT
- STORTZ FDC
- WATER PLUG
- ELECTRIC TRANSFORMER
- ELECTRIC PULL BOX
- SIGN

UTILITIES NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
2. CONTRACTOR SHALL REFER TO THE ELECTRICAL SITE PLAN PREPARED BY PRIMARY ENGINEERING, INC. FOR PARKING LOT LIGHTING AND SPECIFICATIONS.
3. ALL STORM SEWER CASTINGS SHALL BE NPDES PHASE II COMPLIANT. CASTINGS SHALL BE MANUFACTURED WITH A STATEMENT SAYING: "DUMP NO WASTE, DRAINS TO RIVER" IN ½" RAISED LETTERS.
4. ALL FIELD TILES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEW STORMWATER FACILITIES.
5. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING UNDERGROUND STORMWATER DETENTION CHAMBERS DURING THE ENTIRE DURATION OF THE PROJECT. CONTRACTOR SHALL COORDINATE WITH ADVANCED DRAINAGE SOLUTIONS, INC. (ADS) TO DETERMINE THE MINIMUM COVER REQUIRED OVER THE EXISTING CHAMBERS DURING CONSTRUCTION, AS WELL AS, THE APPROPRIATE EQUIPMENT AND OPERATIONS TO PROTECT THE CHAMBERS.
6. WATER MAIN INSTALLATION AND MATERIALS SHALL CONFORM TO THE TOWN OF WHITELAND TYPICAL CONSTRUCTION GUIDELINES AND DETAILS.
7. TAPPING SLEEVES AND VALVES SHALL BE EJP OR MUELLER H-615, H-616 OR STAINLESS STEEL SLEEVES. TAPPING VALVES SHALL BE 2360 SERIES BY MEULLER OR AFC 2500.
8. FIRE HYDRANT ASSEMBLIES SHALL BE SUPER CENTURION 250 HYDRANT BY MEULLER CO. WITH STORZ FITTING ON STEAMER WITH 5'-6" MIN. BURIAL DEPTH.
9. ALL FITTINGS SHALL BE DUCTILE IRON (D.I.) WITH MECHANICAL JOINTS (M.J.) CONFORMING TO AWWA C-110, C-111, C-153, AND NSF-61. ALL WATER MAIN FITTINGS SHALL BE RESTRAINED IN ACCORDANCE WITH THE TOWN OF WHITELAND TYPICAL CONSTRUCTION GUIDELINES AND DETAILS.
10. MEG-A-LUG RETAINER GLANDS BY EBBA IRON, INC. , FIELD-LOK GASKETS, OR ONE BOLT RESTRAINED FITTINGS SHALL BE USED ON EACH SIDE OF FITTINGS WHERE THE WATER MAIN CHANGES DIRECTION.
11. CONTRACTOR SHALL COORDINATE CONSTRUCTION SEQUENCE WITH THE OWNER AND SKILLMAN CORPORATION AND MAINTAIN ACTIVE UTILITY SERVICES AT ALL TIMES. ALL TEMPORARY UTILITY SERVICE INTERRUPTIONS MUST BE APPROVED BY THE OWNER AND SKILLMAN CORPORATION PRIOR TO INSTALLATION OF IMPROVEMENTS.
12. EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.
13. CONTRACTOR SHALL CONNECT ROOF DRAINS TO STR. NO. 38, 44, 49, 51, AND 58 AS SHOWN. CONFIRM ROOF DRAIN LOCATIONS, DIAMETERS, AND INVERT ELEVATIONS EXITING THE BUILDING WITH THE MEP PLANS PRIOR TO CONSTRUCTION.
14. CONTRACTOR SHALL CONFIRM SANITARY LATERAL LOCATIONS, DIAMETERS, AND INVERT ELEVATIONS EXITING THE BUILDING WITH THE MEP PLANS PRIOR TO CONSTRUCTION.

30 0 30 60

SCALE: 1" = 30'



KEYMAP

NOT TO SCALE

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 33 INSTALL TYPE 'K' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 69 LFT OF 30"ø PP PIPE @ 0.90% RIM=796.22 INV IN (12"~N)=792.64 INV IN (30"~W)=788.63 INV IN (15"~S)=789.70 INV OUT (30"~E)=788.63
STR. NO. 34 INSTALL TYPE 'C' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 9 LFT OF 15"ø PP PIPE @ 1.53% RIM=794.68 INV IN (12"~W)=790.09 INV OUT (15"~N)=789.84
STR. NO. 35 INSTALL TYPE 'K' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 132 LFT OF 30"ø PP PIPE @ 0.89% RIM=795.01 INV IN (30"~W)=788.01 INV IN (12"~S)=788.64 INV OUT (30"~E)=788.01
STR. NO. 36 INSTALL TYPE 'C' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 9 LFT OF 12"ø PP PIPE @ 0.55% RIM=793.71 INV IN (12"~SW)=788.69 INV OUT (12"~N)=788.69

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 37 INSTALL TYPE 'K' MANHOLE WITH NEENAH CASTING R-1773-A OR AN APPROVED EQUAL AND CONNECT TO EXISTING 29" X 45" RCP RIM=792.16 INV IN (12"~N)=786.83 INV IN (30"~W)=786.83 INV OUT (45"~E)=786.83
STR. NO. 51 (revision 1) INSTALL 12" NYLOPLAST DRAIN WITH SOLID COVER AND 34 LFT OF 12"ø HDPE PIPE @ 2.42% RIM=801.24 INV IN (10"~N)=796.70 INV OUT (12"~S)=796.70
STR. NO. 52 INSTALL TYPE 'C' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 132 LFT OF 24"ø HDPE PIPE @ 1.64% RIM=799.47 INV IN (12"~N)=795.87 INV IN (18"~W)=792.78 INV OUT (24"~E)=792.28
STR. NO. 53 INSTALL TYPE 'C' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 68 LFT OF 24"ø HDPE PIPE @ 1.49% RIM=798.58 INV IN (24"~W)=790.12 INV IN (12"~S)=794.36 INV OUT (24"~E)=790.04

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 54 INSTALL TYPE 'J' INLET WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 36 LFT OF 12"ø HDPE PIPE @ 0.50% RIM=798.21 INV OUT (12"~N)=794.54
STR. NO. 55 INSTALL TYPE 'M' INLET WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 24 LFT OF 18"ø HDPE PIPE @ 0.38% RIM=796.42 INV IN (15"~E)=789.86 INV OUT (18"~N)=789.61
STR. NO. 56 INSTALL TYPE 'J' INLET WITH NEENAH R-3287-10V CASTING OR AN APPROVED EQUAL AND 113 LFT OF 15"ø HDPE PIPE @ 0.38% RIM=794.14 INV OUT (15"~W)=790.29
STR. NO. 57 INSTALL TYPE 'C' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 137 LFT OF 12"ø HDPE PIPE @ 1.73% RIM=799.43 INV IN (12"~W)=795.76 INV IN (6"~N)=796.26 INV OUT (12"~S)=795.76

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 58 INSTALL 12" NYLOPLAST DRAIN WITH DOME GRATE AND 75 LFT OF 12"ø HDPE PIPE @ 1.51% RIM=800.50 INV IN (10"~N)=798.07 INV OUT (12"~E)=796.90
STR. NO. 59 INSTALL TYPE 'J' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 8 LFT OF 24"ø HDPE PIPE @ 1.00% RIM=797.05 INV IN (18"~S)=789.52 INV IN (12"~N)=793.38 INV IN (24"~W)=789.02 INV OUT (24"~E)=789.02
STR. NO. 60 INSTALL MODIFIED TYPE 'J' MANHOLE FOR WATER QUALITY DIVERSION STRUCTURE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 8 LFT OF 24"ø HDPE PIPE @ 1.00% 14 LFT OF 18"ø HDPE PIPE @ 1.30% RIM=796.87 INV IN (24"~W)=788.94 INV OUT (24"~E)=788.79 INV OUT (18"~S)=788.94
STR. NO. 61 INSTALL PCS AQUA-SWIRL AS-8 IN OFFLINE CONFIGURATION WITH 9 LFT OF 18"ø HDPE PIPE @ 1.26% RIM=796.54 INV IN (18"~N)=788.76 INV OUT (18"~E)=788.76

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 62 INSTALL TYPE 'J' MANHOLE FOR ISOLATOR ROW WQ BYPASS WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 4 LFT OF 24"ø HDPE PIPE @ 1.00% 7 LFT OF 24"ø HDPE PIPE @ 0.00% RIM=796.70 INV IN (24"~W)=788.71 INV IN (24"~S)=789.71 INV OUT (24"~E)=788.71 INV OUT (24"~N)=788.71
STR. NO. 63 INSTALL TYPE 'C' MANHOLE FOR ISOLATOR ROW WQ BYPASS WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 4 LFT OF 24"ø HDPE PIPE @ 1.00% RIM=796.83 INV IN (24"~S)=788.71 INV IN (24"~N)=789.71 INV OUT (24"~E)=788.71
STR. NO. 64 INSTALL MODIFIED TYPE 'J' MANHOLE FOR DETENTION OUTLET CONTROL STRUCTURE WITH NEENAH R-1773-A CASTING OR AN APPROVED EQUAL AND CHECKMATE ULTRAFLEX INLINE CHECK VALVE AND 48 LFT OF 12"ø HDPE PIPE @ 0.35% RIM=794.76 INV IN (18"~W)=788.65 INV IN (18"~N)=788.65 INV IN (6"~SW)=787.00 INV IN (6"~N)=787.00 INV OUT (12"~S)=787.00
STR. NO. 65 INSTALL MODIFIED TYPE 'J' MANHOLE FOR DETENTION OUTLET CONTROL STRUCTURE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 20 LFT OF 12"ø HDPE PIPE @ 1.04% RIM=798.35 INV IN (12"~W)=793.95 INV IN (12"~N)=793.95 INV IN (4"~N)=793.35 INV IN (4"~SW)=793.35 INV OUT (12"~S)=792.85

STORM SEWER STRUCTURE TABLE

STR. DATA
STR. NO. 66 INSTALL TYPE 'C' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND CONNECT TO EXISTING 24" STORM SEWER RIM=800.45 INV IN (24"~W)=792.91 INV OUT (24"~N)=792.91
STR. NO. 67 INSTALL TYPE 'C' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 47 LFT OF 24"ø HDPE PIPE @ 0.13% RIM=800.50 INV IN (24"~S)=792.97 INV OUT (24"~E)=792.97
STR. NO. 68 (revision 1) INSTALL TYPE 'C' MANHOLE WITH NEENAH CASTING R-1772 OR AN APPROVED EQUAL AND 28 LFT OF 24"ø HDPE PIPE @ 0.11% RIM=801.08 INV IN (15"~W)=793.00 INV IN (10"~SE)=798.25 INV OUT (24"~N)=793.00
STR. NO. 68A INSTALL STORM SEWER CLEANOUT FOR ROOF DRAIN CONNECTION AND 15 LFT OF 10"ø PVC PIPE @ 2.01% RIM=801.57 INV IN (10"~E)=798.55 INV OUT (10"~NW)=798.55

NOTE: STR. NO. 62 AND 63 SHALL HAVE A 24" SUMP. STR. NO. 64 AND 65 SHALL HAVE 12" SUMP.

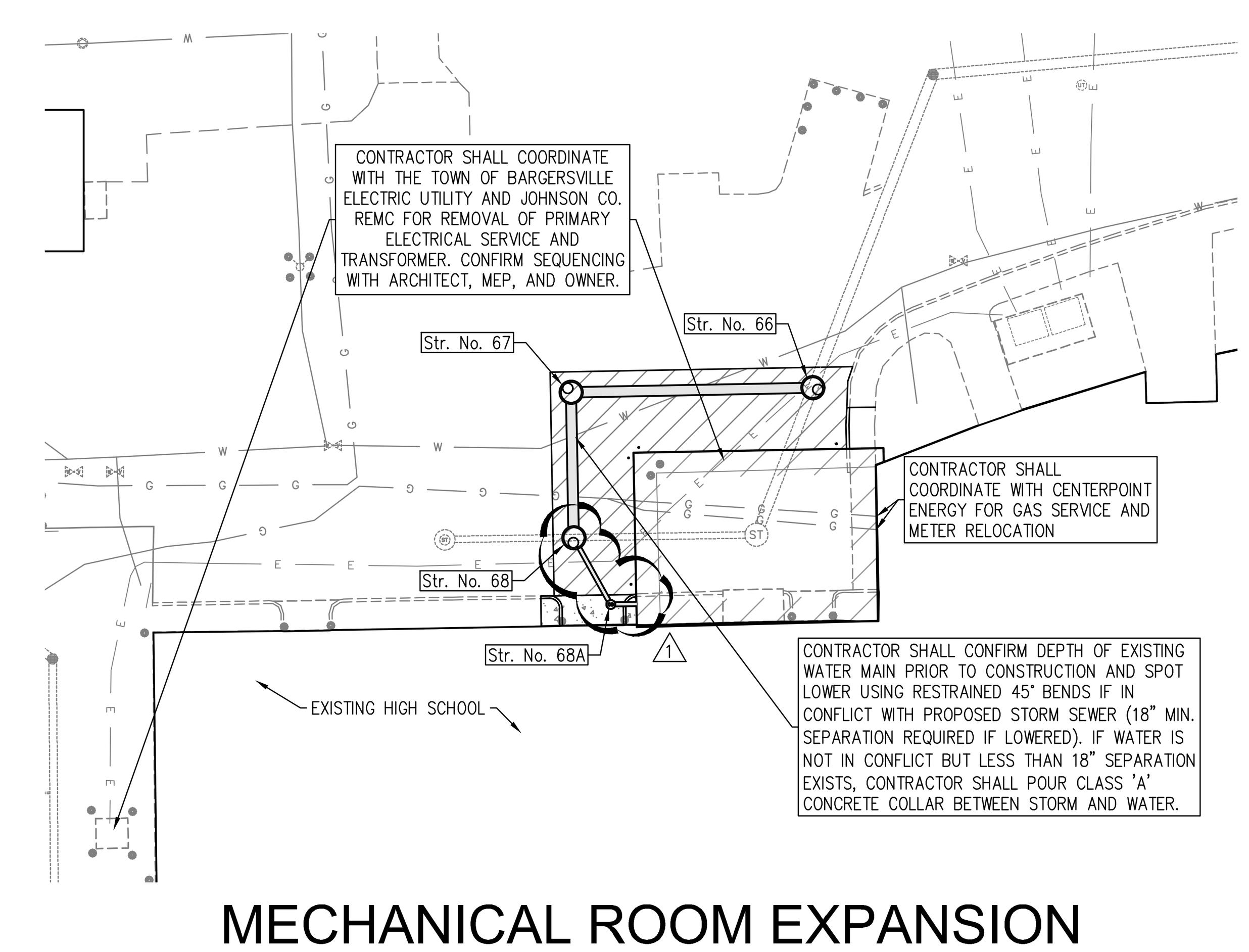
SANITARY SEWER STRUCTURE TABLE

STR. DATA
STR. NO. SS-5 INSTALL SANITARY MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 300 LFT OF 8"ø SDR-35 PVC PIPE @ 0.40% RIM=797.73 INV IN (8"~N)=791.88 INV OUT (8"~W)=791.88
STR. NO. SS-6 (revision 1) INSTALL SANITARY DOGHOUSE MANHOLE WITH NEENAH R-1772 CASTING OR AN APPROVED EQUAL AND 109 LFT OF 8"ø SDR-35 PVC PIPE @ 0.40% RIM=799.32 INV IN (8"~E)=792.31 INV OUT (8"~S)=792.31 INV OUT (8"~W)=792.31

SANITARY SEWER LATERAL TABLE

INSTALL SANITARY CLEANOUT AND SDR 35 PVC LATERAL.
MINIMUM SLOPE SHALL BE 1.04% UNLESS NOTED OTHERWISE BELOW.

RUN	CLEANOUT TYPE	DIAMETER	LENGTH	SLOPE	U.S. INV.
6	TYPE 1	6"	26'	2.00%	799.20
7	TYPE 1	6"	21'	2.03%	799.20
8	TYPE 1	6"	57'	2.00%	796.44
9	TYPE 1	6"	43'	2.01%	795.30



MECHANICAL ROOM EXPANSION

INDIANA 811 Know what's below. Call before you dig.

UTILITY PLAN

WHITELAND HIGH SCHOOL PHASE 1

JOB No.	.	DRAWN	KLF	CHECKED	TEN
DATE	JULY 5, 2023	DESIGNED	DMS	APPR.	GJI

CROSSROAD ENGINEERS, PC — Transportation & Development Consultants, 115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 401

DEREK M. SNYDER, REGISTERED NO. 11200008, STATE OF INDIANA, PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY	APPR.
1	08.30.23	REVISIONS PER ADDENDUM NO. 001	DMS	GJI
	07.28.23	REVISIONS PER WHITELAND TAC COMMENTS. 100% CONSTRUCTION DOCUMENT	DMS	GJI

SHEET 401

DIRECTORY PATH: R:\Active\Lancer+Beebe\Whiteland High School\Design\CAD\Plans\PHASE 1
FILENAME: 401 UTILITY PLAN.dwg
DATE/USER: 8/29/2023 10:32 AM / Dsnyder

GRADING PLAN

WHITELAND HIGH SCHOOL PHASE 1

JOB No.	.	DRAWN	KLF	CHECKED	TEN	APPR.	CJI
DATE	JULY 5, 2023	DESIGNED	DMS				

SHEET 500

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 S. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

GRADING LEGEND

860.00 TOP OF CURB 859.50 EDGE OF PAVEMENT	PROPOSED ELEVATIONS
860.00 FINISH GRADE	PROPOSED ELEVATIONS (TO BE FIELD VERIFIED)
FFE = XXX.XX	PROPOSED FINISH FLOOR ELEVATION
PE = XXX.XX	PROPOSED PAD ELEVATION
	PROPOSED DRAINAGE SWALE
800	EXISTING CONTOURS
800	PROPOSED CONTOURS
GRADE BREAK	GRADE BREAK
	CURB HEIGHT TO TAPER FROM 0.5' TO 0.0' IN 6 LFT.

GRADING NOTES

1. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING IN FINAL GRADING OF SITE. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT TO DETERMINE PROPER FOUNDATION EXPOSURE, HOWEVER, IN NO INSTANCE SHALL DRAINAGE TOWARDS THE BUILDING FOUNDATION BE ALLOWED.
2. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING UNDERGROUND STORMWATER DETENTION CHAMBERS DURING THE ENTIRE DURATION OF THE PROJECT. CONTRACTOR SHALL COORDINATE WITH ADVANCED DRAINAGE SOLUTIONS, INC. (ADS) TO DETERMINE THE MINIMUM COVER REQUIRED OVER THE EXISTING CHAMBERS DURING CONSTRUCTION, AS WELL AS, THE APPROPRIATE EQUIPMENT AND OPERATIONS TO PROTECT THE CHAMBERS.
3. THE FINISHED FLOOR ELEVATIONS (F.F.E.) SHOWN HEREON CORRESPOND TO EXISTING FINISHED FLOOR ELEVATIONS OF THE HIGH SCHOOL AND THE PROPOSED ELEVATIONS OF THE ADDITIONS AT THE EXTERIOR BUILDING ENTRIES WHICH ARE LABELED `T/SLAB=0'-0"` FOR UNITS 'J', 'K', 'L' AND 'M' AND `T/SLAB=+0'-5"` FOR UNIT 'A' ON THE FOUNDATION PLANS. CONTRACTOR SHALL CONFIRM THE EXISTING FINISHED FLOOR ELEVATIONS PRIOR TO CONSTRUCTION AND REFER TO THE ARCHITECTURAL AND STRUCTURAL PLANS FOR INTERNAL CHANGES TO THE PROPOSED FINISHED FLOOR ELEVATION, CONCRETE SLAB AND STONE SUBBASE THICKNESS, SLAB SLOPES, ELEVATOR PIT ELEVATIONS, AND SWIMMING POOL ELEVATIONS.

BENCHMARK INFORMATION

ORIGINATING BENCHMARK

DESIGNATION – X 13
PID – KA0010
STATE/COUNTY – IN/MORGAN
USGS QUAD – MOORESVILLE EAST (1980)

VERT ORDER – FIRST CLASS II

DESCRIBED BY COAST AND GEODETIC SURVEY 1946
1.2 MI N FROM WAVERLY.
IN JOHNSON COUNTY, 1.2 MILES NORTH ALONG STATE HIGHWAY 37 FROM THE INTERSECTION OF STATE HIGHWAY 144 AT WAVERLY, MORGAN COUNTY, 125 YARDS NORTH OF THE MORGAN–JOHNSON COUNTY LINE, 26 FEET WEST OF THE CENTERLINE OF THE HIGHWAY, IN LINE WITH THE WEST RIGHT–OF–WAY FENCE, 1.5 FEET SOUTH OF A WHITE WOODEN WITNESS POST, AND ABOUT 2 FEET HIGHER THAN THE HIGHWAY. A STANDARD DISK, STAMPED 686.370 X 13 1930 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 7 INCHES ABOVE GROUND.

RECOVERY NOTE BY IN DEPT OF NAT RES 1985
NEW DESC– AT THE INTERSECTION OF NEW STATE ROAD 144 AND OLD STATE ROAD 37, IN THE SOUTHWEST QUARTER OF THE INTERSECTION, WITNESS POST IS GONE RIGHT–OF–WAY FENCE IS GONE, ALL OTHER INFORMATION APPEARS TO BE CORRECT.

ELEVATION = 685.94 (NAVD 88)

TBM #400
RR SPIKE SET IN E FACE OF PP# "P21063" LOCATED ±180' N OF "TRACT NORTH DRIVE" ±40' WEST OF "SAINT CHARLES WAY"
ELEV.=805.77

TBM #401
RR SPIKE SET IN E FACE OF PP# "P21042" LOCATED ±6' W OF "TRACY ST." ±40' S OF N PARKING LOT ENTRANCE @ "CLARK PLEASANT EMPLOYEE HEALTH & WELLNESS CENTER"
ELEV.=805.07

TBM #402
CUT BOX ON TOP OF CONC PEDESTAL FOR UP ON N EDGE OF CONC. LOCATED @ NE MOST CORNER OF PARKING LOT FOR "199 US–31 "BIG SPLASH CAR WASH"
ELEV.=806.18

TBM #403
SE MOST CORNER OF BOTTOM CONC STEP LOCATED @ SE CORNER OF "STUDIO 31 SALON" "4.3 N. US–31" ON E FACE OF BUILDING.
ELEV.=801.28

TBM #404
NE CORNER OF TOP CONC STEP CONNECTED TO LEAD WALK @ "239 E MAIN ST." LOCATED SE QUAD OF "E MAIN ST." & "TICHENOR LN."
ELEV.=799.80

TBM #405
RR SPIKE SET IN E FACE POWERPOLE, LOCATED ±5' S OF "E MAIN ST." & ±XX W OF DRIVE @ "399 E MAIN ST."
ELEV.=790.98

TBM #406
SW CORNER OF CONC PORCH @ "49 CENTER ST."
ELEV.=797.61

TBM #407
RR SPIKE SET IN S FACE OF PP# "P22C73". LOCATED ±5' E OF "CENTER ST." & ±150' N OF "CLEM ST."
ELEV.=800.07

TBM #408
RR SPIKE SET IN E FACE OF POWER POLE. LOCATED @ SW CORNER OF PROPERTY OF "329 CHRISTINA DR."
ELEV.=800.89

EXISTING HIGH SCHOOL

INSTALL 1 STEP W/ 5" RISER

INVERTED CROWN

PROPOSED ±83,834 SQ. FT. BUILDING ADDITION

INSTALL STEPS W/(3) 5" RISERS AND (2) 12" TREAD

PROP. FFE = 801.70 ⚠

INSTALL 140 LFT OF SWALE @ 1.00%

INSTALL 221 LFT OF SWALE @ 1.01%

APPARENT EX. RIGHT–OF–WAY

GRADE BREAK

EXISTING UNDERGROUND DETENTION SYSTEM TO REMAIN IN PLACE. CONTRACTOR SHALL PRESERVE AND PROTECT PER GRADING NOTES

Str. No. 27 Rim=798.96
Str. No. 28 Rim=798.76
Str. No. 29 Rim=799.25
Str. No. 30 Rim=799.24
Str. No. 31 Rim=799.98
Str. No. 32 Rim=797.75
Str. No. 38 Rim=801.54
Str. No. 39 Rim=801.54
Str. No. 40 Rim=800.61
Str. No. 41 Rim=800.81
Str. No. 42 Rim=799.08
Str. No. 43 Rim=799.08
Str. No. 44 Rim=801.50
Str. No. 45 Rim=797.90
Str. No. 46 Rim=798.75
Str. No. 47 Rim=798.60
Str. No. 48 Rim=798.80
Str. No. 49 Rim=800.74
Str. No. 50 Rim=798.76
Str. SS–1 Rim=799.26
Str. SS–2 Rim=799.24
Str. SS–3 Rim=799.92
Str. SS–4 Rim=799.50

TBM #403
TBM #404

WHITELAND ROAD/MAIN STREET

MATCHLINE - SEE SHEET 501

SCALE: 1" = 20'

NO.	DATE	REVISIONS	BY	APPR.
1	07.28.23	REVISIONS PER WHITELAND TAC COMMENTS, 100% CONSTRUCTION DOCUMENT	DMS	CJI
2	08.30.23	REVISIONS PER ADDENDUM NO. 001	DMS	CJI

DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

DIRECTORY PATH : R:\Active\Johnson-Reeds\Whiteland High School\Design\CAD\Plans\PHASE 1
FILENAME : 500 GRADING PLAN.dwg
DATE/USER : 8/29/2023 9:39 AM / Dsnyder

GRADING NOTES

1. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING IN FINAL GRADING OF SITE. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT TO DETERMINE PROPER FOUNDATION EXPOSURE, HOWEVER, IN NO INSTANCE SHALL DRAINAGE TOWARDS THE BUILDING FOUNDATION BE ALLOWED.
2. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING UNDERGROUND STORMWATER DETENTION CHAMBERS DURING THE ENTIRE DURATION OF THE PROJECT. CONTRACTOR SHALL COORDINATE WITH ADVANCED DRAINAGE SOLUTIONS, INC. (ADS) TO DETERMINE THE MINIMUM COVER REQUIRED OVER THE EXISTING CHAMBERS DURING CONSTRUCTION, AS WELL AS, THE APPROPRIATE EQUIPMENT AND OPERATIONS TO PROTECT THE CHAMBERS.
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GRADING LEGEND

860.00 TOP OF CURB 859.50 EDGE OF PAVEMENT	PROPOSED ELEVATIONS
860.00 FINISH GRADE	
860.00 * 859.50 *	PROPOSED ELEVATIONS (TO BE FIELD VERIFIED)
860.00 *	
FFE = XXX.XX	PROPOSED FINISH FLOOR ELEVATION
PE = XXX.XX	PROPOSED PAD ELEVATION
	PROPOSED DRAINAGE SWALE
800	EXISTING CONTOURS
800	PROPOSED CONTOURS
GRADE BREAK	GRADE BREAK
	CURB HEIGHT TO TAPER FROM 0.5' TO 0.0' IN 6 LFT.

NORTH

20 0 20 40

SCALE: 1" = 20'

INDIANA 811 Know What's Below. Call Before You Dig.

BENCHMARK INFORMATION

ORIGINATING BENCHMARK

DESIGNATION – X 13
PID – KA0010
STATE/COUNTY – IN/MORGAN
USGS QUAD – MOORESVILLE EAST (1980)

VERT ORDER – FIRST CLASS II

DESCRIBED BY COAST AND GEODETIC SURVEY 1946
1.2 MI N FROM WAVERLY.
IN JOHNSON COUNTY, 1.2 MILES NORTH ALONG STATE HIGHWAY 37 FROM THE INTERSECTION OF STATE HIGHWAY 144 AT WAVERLY, MORGAN COUNTY, 125 YARDS NORTH OF THE MORGAN–JOHNSON COUNTY LINE, 26 FEET WEST OF THE CENTERLINE OF THE HIGHWAY, IN LINE WITH THE WEST RIGHT–OF–WAY FENCE, 1.5 FEET SOUTH OF A WHITE WOODEN WITNESS POST, AND ABOUT 2 FEET HIGHER THAN THE HIGHWAY. A STANDARD DISK, STAMPED 686.370 X 13 1930 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 7 INCHES ABOVE GROUND.

RECOVERY NOTE BY IN DEPT OF NAT RES 1985
NEW DESC– AT THE INTERSECTION OF NEW STATE ROAD 144 AND OLD STATE ROAD 37, IN THE SOUTHWEST QUARTER OF THE INTERSECTION, WITNESS POST IS GONE RIGHT–OF–WAY FENCE IS GONE, ALL OTHER INFORMATION APPEARS TO BE CORRECT.

ELEVATION = 685.94 (NAVD 88)

TBM #400
RR SPIKE SET IN E FACE OF PP#"P21063" LOCATED ±180' N OF "TRACT NORTH DRIVE" ±40' WEST OF "SAINT CHARLES WAY"
ELEV.=805.77

TBM #401
RR SPIKE SET IN E FACE OF PP#"P21042" LOCATED ±6' W OF "TRACY ST." ±40' S OF N PARKING LOT ENTRANCE @ "CLARK PLEASANT EMPLOYEE HEALTH & WELLNESS CENTER"
ELEV.=805.07

TBM #402
CUT BOX ON TOP OF CONC PEDESTAL FOR UP ON N EDGE OF CONC. LOCATED @ NE MOST CORNER OF PARKING LOT FOR "199 US–31 "BIG SPLASH CAR WASH"
ELEV.=806.18

TBM #403
SE MOST CORNER OF BOTTOM CONC STEP LOCATED @ SE CORNER OF "STUDIO 31 SALON" "43 N. US–31" ON E FACE OF BUILDING.
ELEV.=801.28

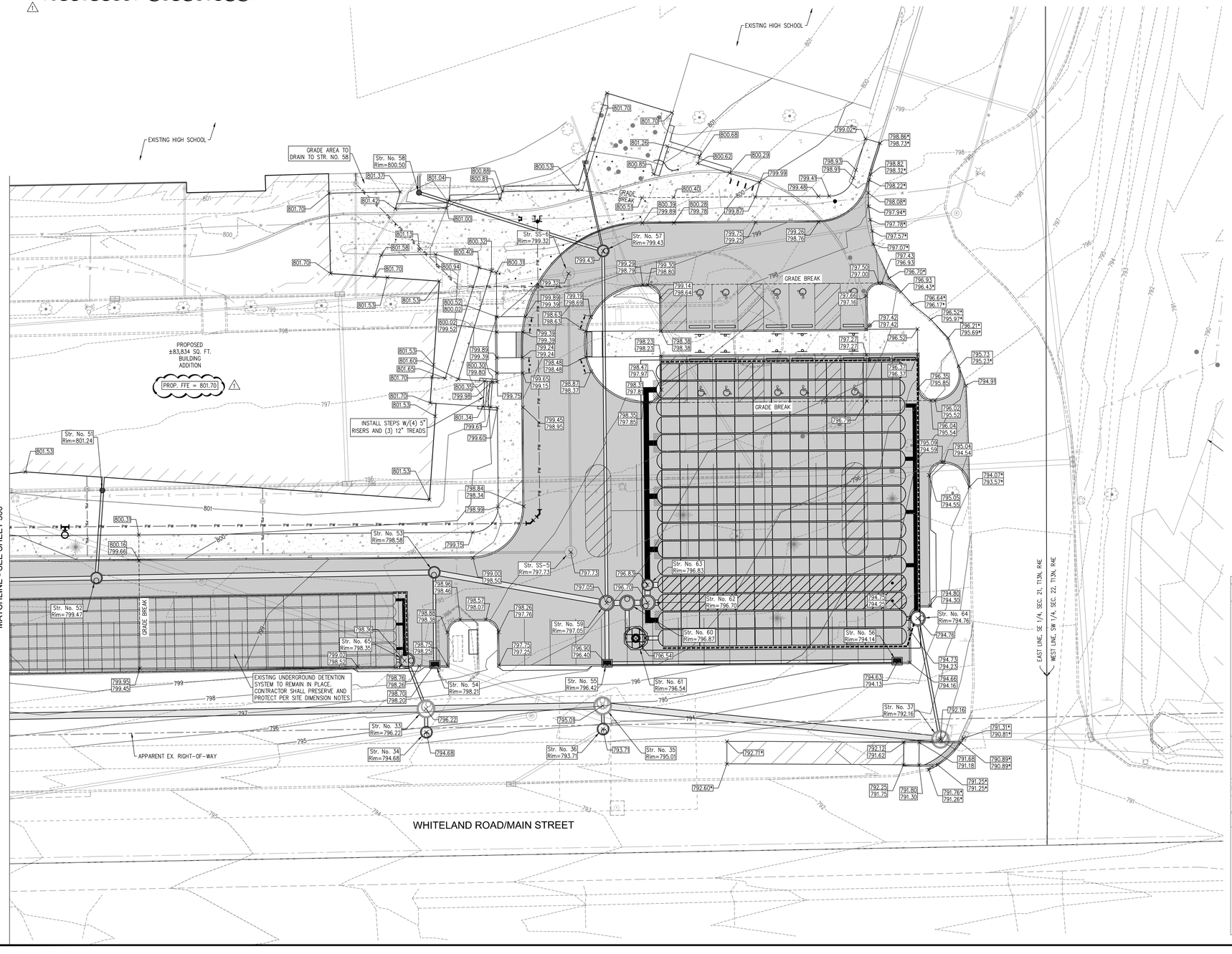
TBM #404
NE CORNER OF TOP CONC STEP CONNECTED TO LEAD WALK @ "239 E MAIN ST." LOCATED SE QUAD OF "E MAIN ST." & "TICHENOR LN."
ELEV.=799.80

TBM #405
RR SPIKE SET IN E FACE POWERPOLE, LOCATED ±5' S OF "E MAIN ST." & ±XX W OF DRIVE @ "399 E MAIN ST."
ELEV.=790.98

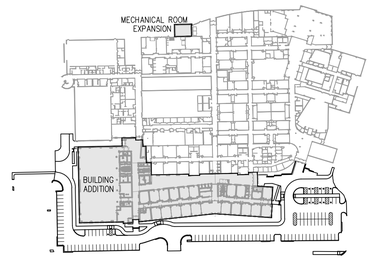
TBM #406
SW CORNER OF CONC PORCH @ "49 CENTER ST."
ELEV.=797.61

TBM #407
RR SPIKE SET IN S FACE OF PP# "P22C73". LOCATED ±5' E OF "CENTER ST." & ±150' N OF "CLEM ST."
ELEV.=800.07

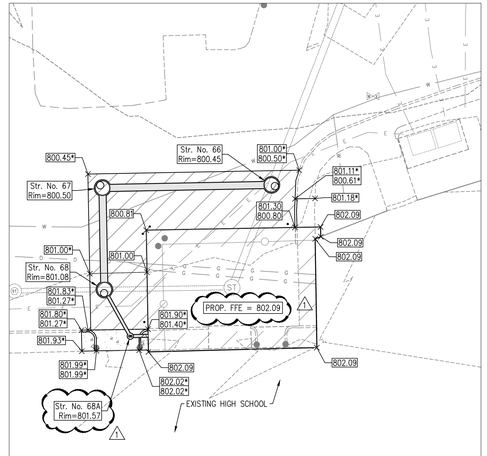
TBM #408
RR SPIKE SET IN E FACE OF POWER POLE. LOCATED @ SW CORNER OF PROPERTY OF "329 CHRISTINA DR."
ELEV.=800.89



MATCHLINE - SEE SHEET 500



KEYMAP
NOT TO SCALE



MECHANICAL ROOM EXPANSION

DIRECTORY PATH : R:\Active\Larson Bedell\Whiteland High School\Design\CAD\Plans\PHASE 1
FILENAME : 501 GRADING PLAN.dwg
DATE/USER : 8/29/2023 9:42 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 501

GRADING PLAN

WHITELAND HIGH SCHOOL PHASE 1

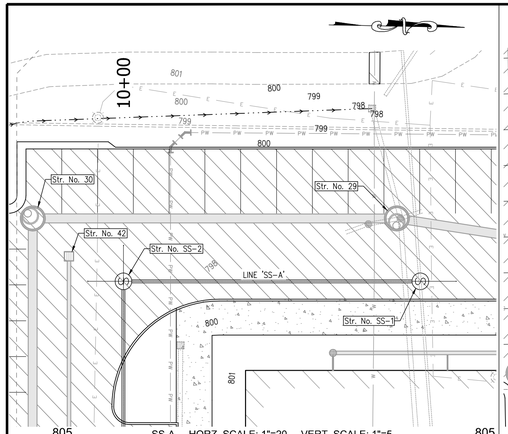
JOB No.	.	CHECKED	TEN	SHEET	501
DRAWN	KLF				
DESIGNED	DMS	APPR.	GJI		
DATE	JULY 5, 2023				

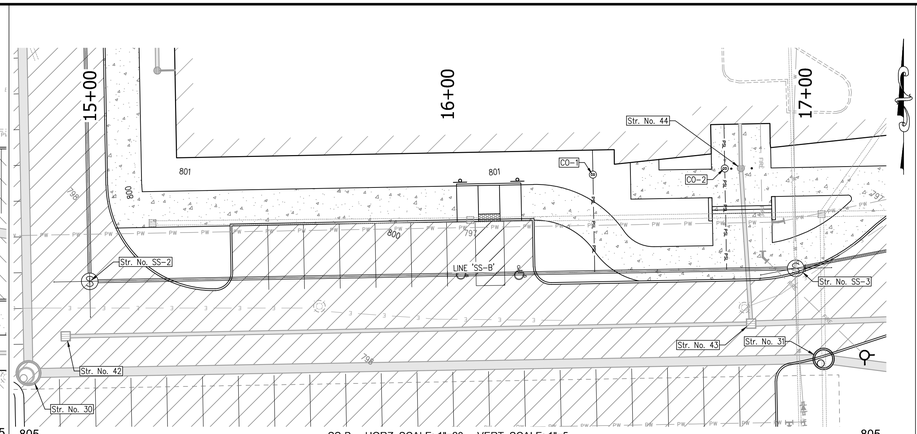
REGISTERED DEREK M. SNYDER NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

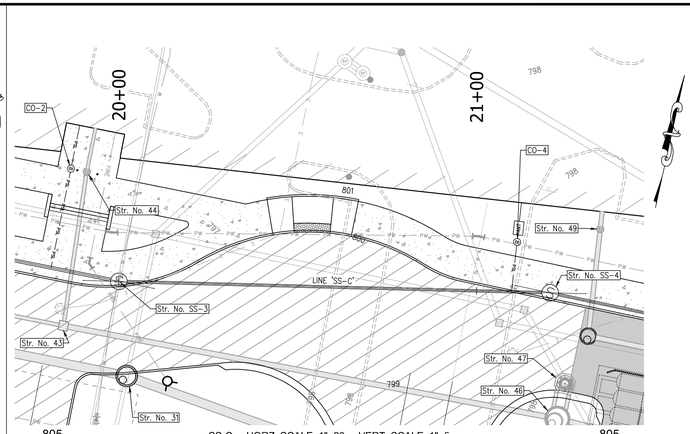
NO.	DATE	BY	APPR.
1	08.30.23	DMS	GJI
	07.28.23	DMS	GJI

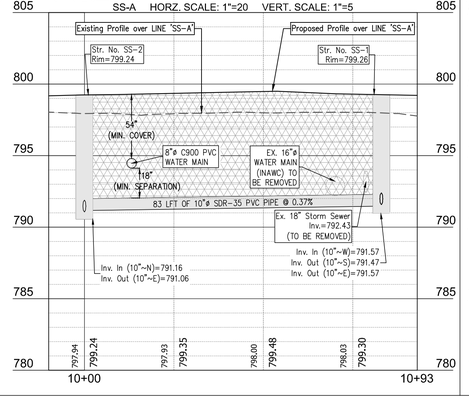
REVISIONS
REVISIONS PER ADDENDUM NO. 001
REVISIONS PER WHITELAND TAC COMMENTS, 100% CONSTRUCTION DOCUMENT

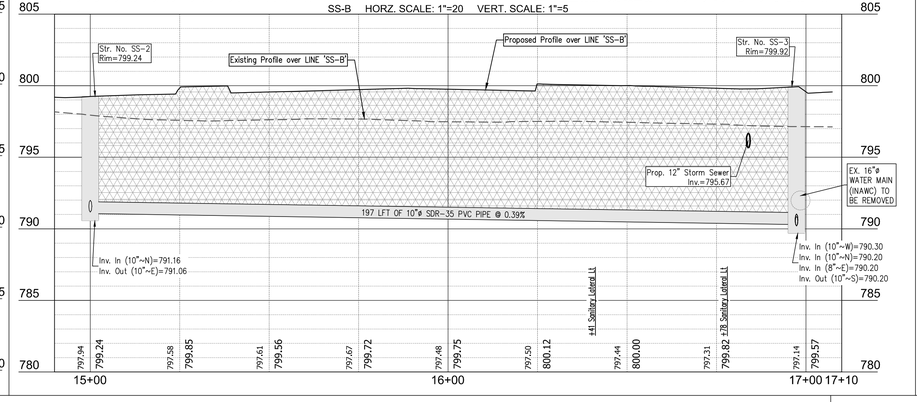
SHEET 501

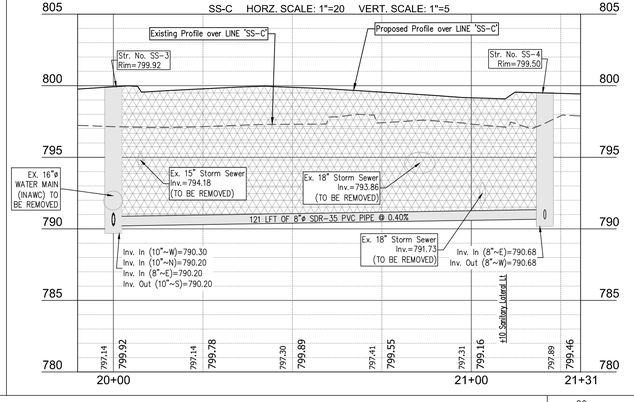








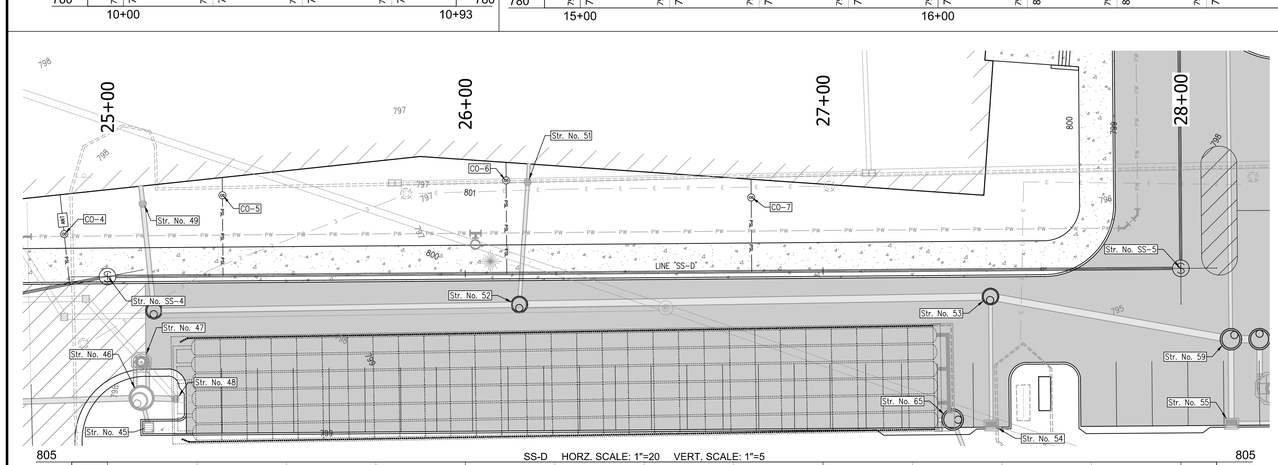


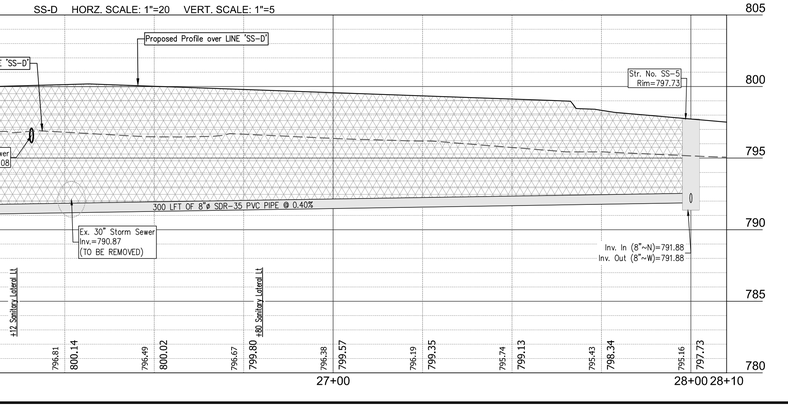


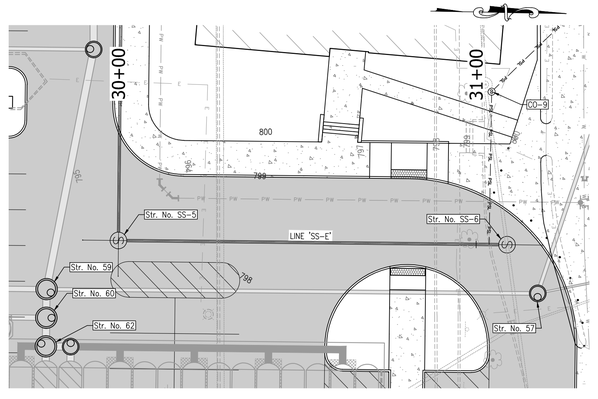
DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTORDENSITY IN 6" MAX LIFTS

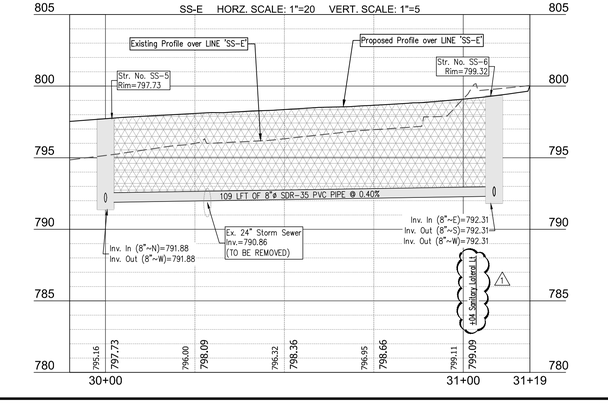
NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

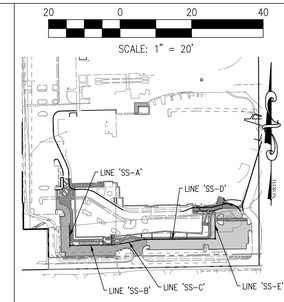
INDIANA 811 Know what's below. Call before you dig.











KEYMAP
NO SCALE

PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- PHASE LINE
- SETBACK LINE
- EASEMENT LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
- ELECTRIC LINE
- WATER LINE
- FIRE SUPPRESSION LINE
- STORM INLETS
- STORM CURB INLETS
- AQUA-SWIRL UNITS
- WATER TEE
- 90° BEND
- 45° BEND
- 22.5° BEND
- 11.25° BEND
- TAPPING SLEEVE
- WATER VALVE
- FIRE HYDRANT
- STORTZ FDC
- WATER PLUG
- ELECTRIC TRANSFORMER
- ELECTRIC PULL BOX
- SIGN

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 700

SANITARY PLAN AND PROFILE

WHITELAND HIGH SCHOOL PHASE 1

JOB No.	.	DRAWN	KLF	CHECKED	TEN	APPR.	GJI
DATE	JULY 5, 2023	DESIGNED	DMS				

REGISTERED DEREK M. SNYDER NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

Derek M. Snyder

NO.	DATE	BY	APPR.
1	08.30.23	DMS	GJI
	07.28.23	DMS	GJI

REVISIONS

REVISIONS PER ADDENDUM NO. 001
REVISIONS PER WHITELAND TAC COMMENTS; 100% CONSTRUCTION DOCUMENT

SHEET 700

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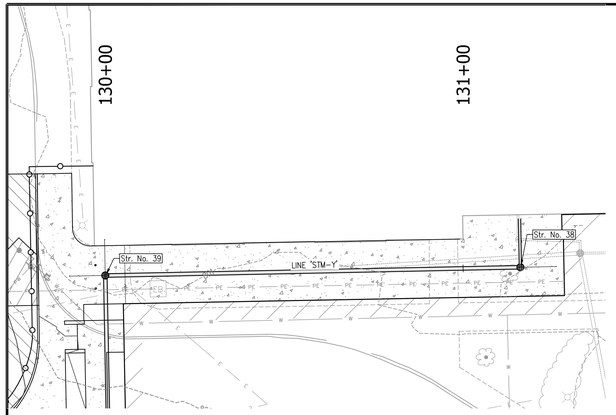
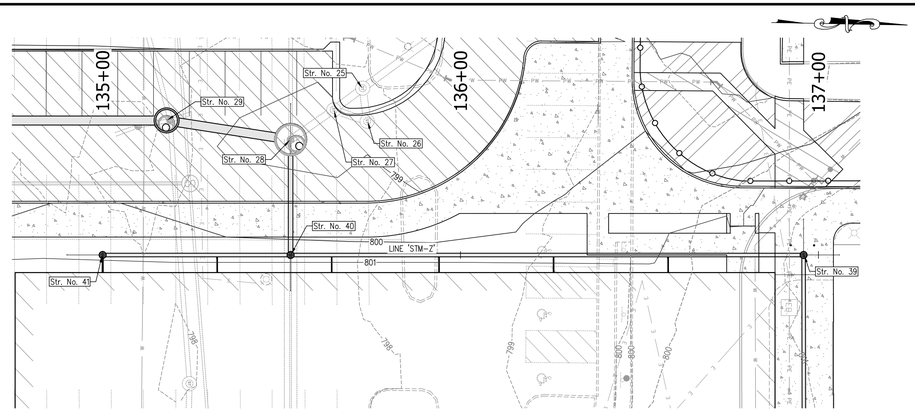
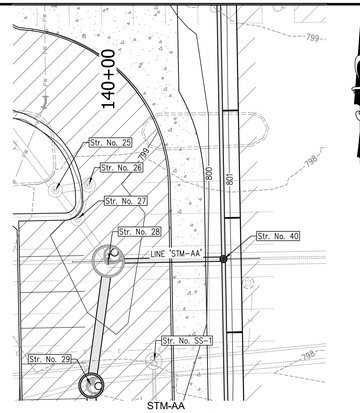
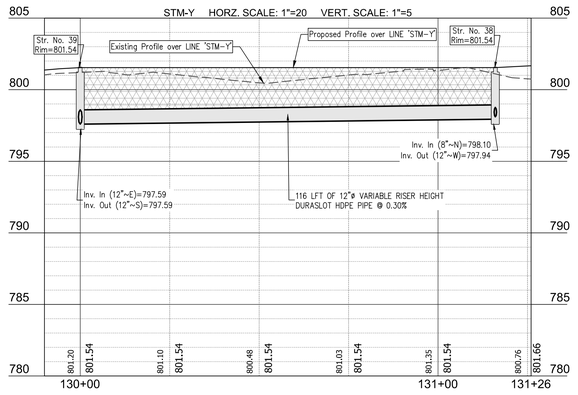
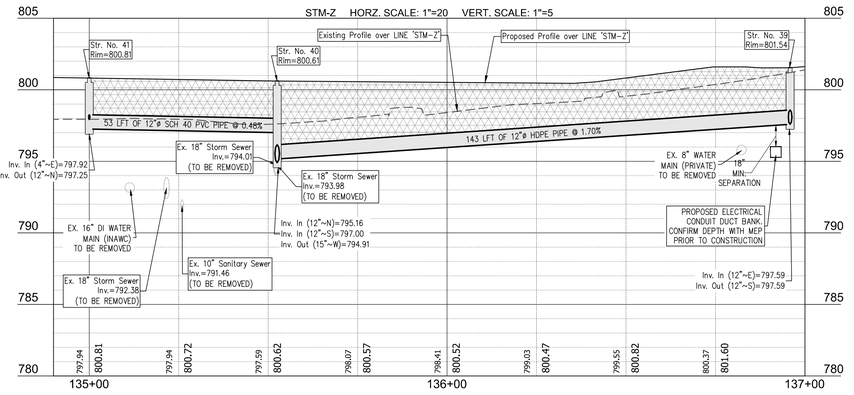
DATE/USER : 8/29/2023 9:11 AM / Dsnyder

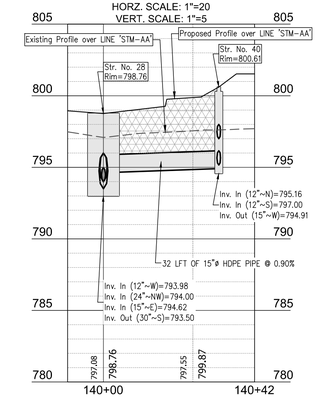


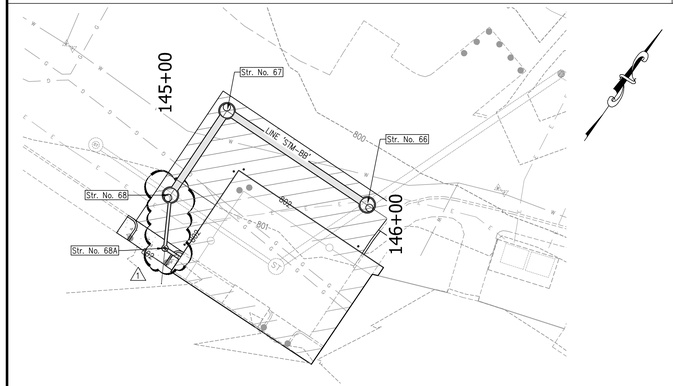


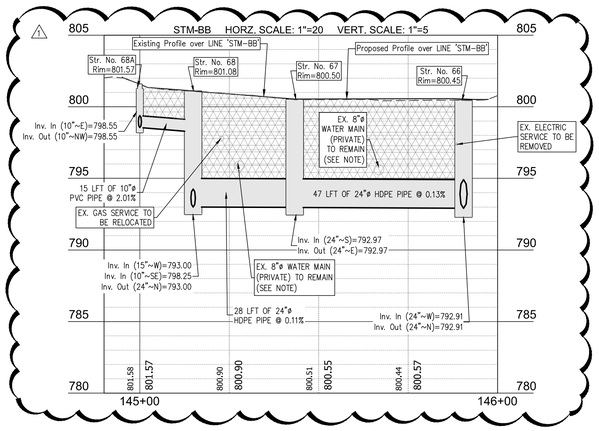












NOTE: CONTRACTOR SHALL CONFIRM DEPTH OF EXISTING WATER MAIN PRIOR TO CONSTRUCTION AND SPOT LOWER USING RESTRAINED 45° BENDS IF IN CONFLICT WITH PROPOSED STORM (18" MIN. SEPARATION REQUIRED IF LOWERED). IF WATER IS NOT IN CONFLICT BUT LESS THAN 18" SEPARATION EXISTS, CONTRACTOR SHALL POUR CLASS 'A' CONCRETE COLLAR BETWEEN STORM AND WATER.

PROPOSED LEGEND

- PROPERTY LINE
- SECTION LINE
- PHASE LINE
- SETBACK LINE
- EASEMENT LINE
- FENCE LINE
- DITCH LINE
- SANITARY SEWER WITH MANHOLE
- SANITARY SEWER LATERAL WITH CLEANOUT
- STORM SEWER W/MANHOLE & END SECTION
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- FIRE SUPPRESSION LINE
- STORM INLETS
- STORM CURB INLETS
- AQUA-SWIRL UNITS
- WATER TEE
- 90° BEND
- 45° BEND
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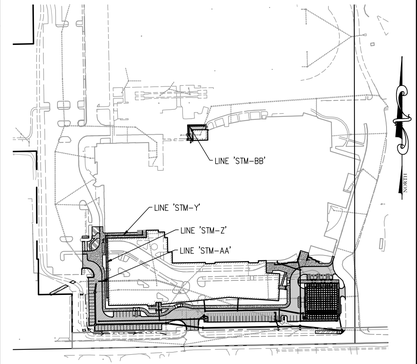
- TAPPING SLEEVE
- WATER VALVE
- FIRE HYDRANT
- STORTZ FDC
- WATER PLUG
- ELECTRIC TRANSFORMER
- ELECTRIC PULL BOX
- SIGN



KEYMAP

NO SCALE

20 0 20 40

SCALE: 1" = 20'

DENOTES APPROXIMATE LIMITS OF GRANULAR BACKFILL TO BE COMPACTED TO 95% PROCTOR DENSITY IN 6" MAX LIFTS

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

INDIANA 811 Know what's below. Call before you dig.

DIRECTORY PATH : R:\Active\Lawson-Reed\Whiteland High School\Design\CAD\Plans\PHASE 1
FILENAME : 804 STORM PLAN AND PROFILE.dwg
DATE/USER : 8/29/2023 10:10 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 804

STORM PLAN AND PROFILE

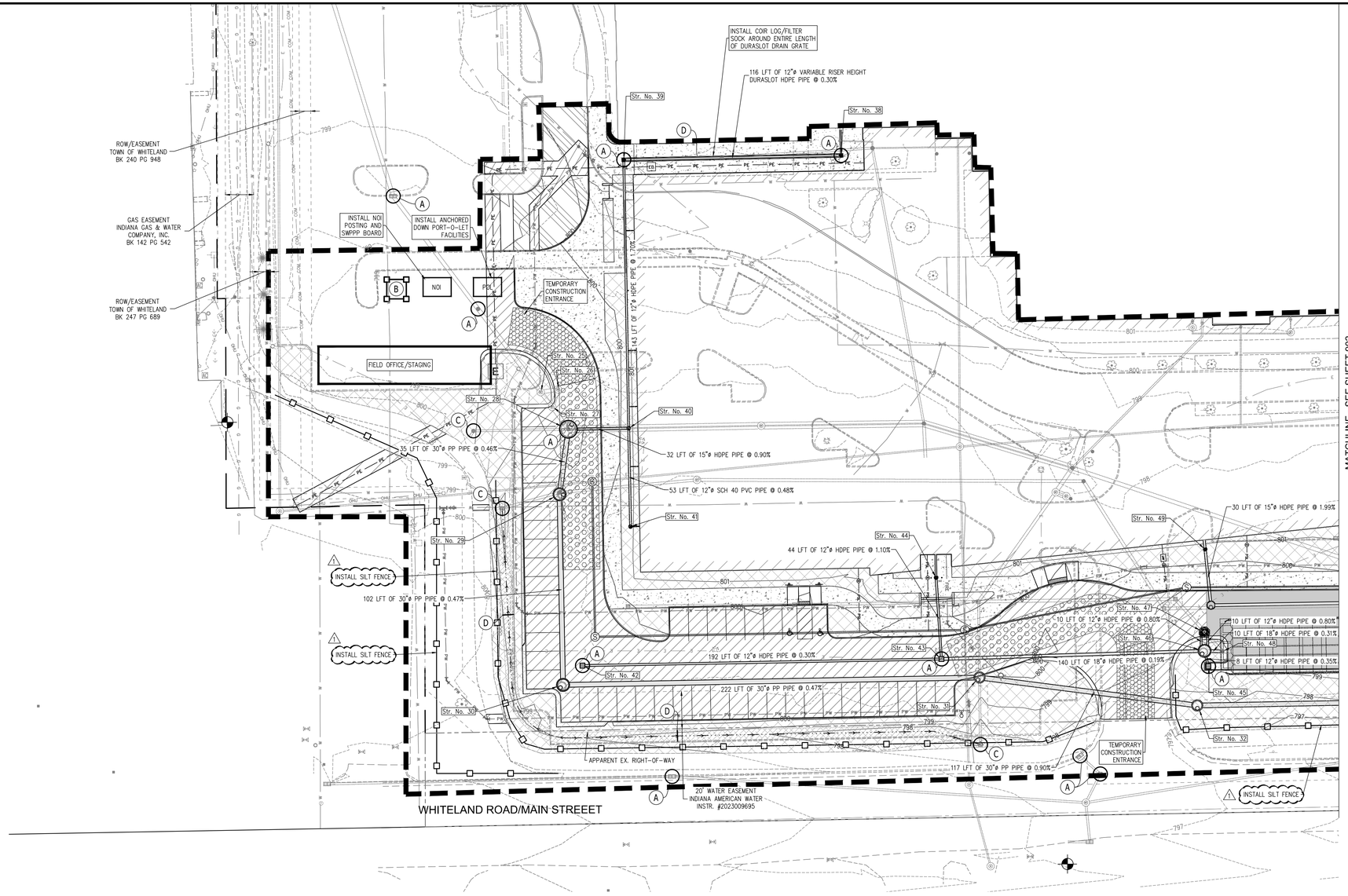
WHITELAND HIGH SCHOOL PHASE 1

JOB No.	.	DRAWN	KLF	CHECKED	TEN	APPR.	GJI
DATE	JULY 5, 2023	DESIGNED	DMS			APPR.	GJI

REGISTERED ENGINEER
DEREK M. SNYDER
NO. 11200008
STATE OF INDIANA
PROFESSIONAL

NO.	DATE	REVISIONS	BY	APPR.
1	08.30.23	REVISIONS PER ADDENDUM NO. 001	DMS	GJI
	07.28.23	REVISIONS PER WHITELAND TAC COMMENTS, 100% CONSTRUCTION DOCUMENT	DMS	GJI

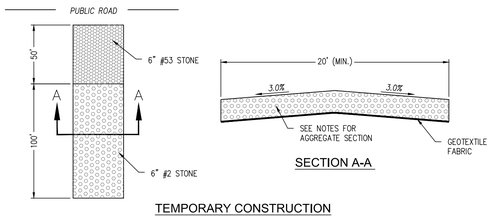
SHEET 804



ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, CITY OR COUNTY OFFICIALS

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

INDIANA 811 Know what's below. Call before you dig.



TEMPORARY CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

EROSION CONTROL LEGEND

- MULCHED SEEDING
- EROSION CONTROL BLANKET (NORTH AMERICAN GREEN SC-150 OR EQUAL) AND MULCHED SEEDING
- TEMPORARY CONSTRUCTION ENTRANCE (SEE DETAIL-SHEET 901)
- 800 — EXISTING CONTOURS
- 800 — PROPOSED CONTOURS
- SILT FENCE SLOPE CHECK (NUTEC 3 NWS-6 OR APPROVED EQUAL)
- CONSTRUCTION LIMITS
- (A) CURB INLET PROTECTION (SEE DETAIL-SHEET 900)
- (B) CONCRETE WASHOUT AREA (SEE DETAIL-SHEET 900)
- (C) FABRIC DROP INLET PROTECTION (SEE DETAIL-SHEET 900)
- (D) COIR LOG/FILTER SOCK (SEE DETAIL-SHEET 900)

EROSION CONTROL NOTES

1. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, COUNTY, OR LOCAL OFFICIALS.
2. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.
3. THERE SHALL BE NO DIRT, DEBRIS, OR STORAGE OF MATERIALS WITHIN EXISTING OR PROPOSED PARKING AREAS OR PUBLIC RIGHT-OF-WAY.
4. CONSTRUCTION STAGING AREA (TO BE DETERMINED BY CONTRACTOR) SHALL INCLUDE THE NOI POSTING, PORT-O-LETS, TRASH CONTAINERS, AND FUELING TANKS. CONTRACTOR SHALL NOT LOCATE STAGING AREA WITHIN PROPOSED PARKING LOTS.
5. A TRAINED INDIVIDUAL MUST PERFORM AN INSPECTION ONCE A WEEK AND AFTER EVERY ½" OR MORE RAIN EVENT. A LOG OF THE INSPECTION REPORTS MUST BE KEPT AND MADE AVAILABLE TO THE TOWN INSPECTOR UPON REQUEST.
6. SOIL STOCKPILE LOCATION SHALL BE DETERMINED BY CONTRACTOR IN COORDINATION WITH THE OWNER AND SKILLMAN CORPORATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL NECESSARY EROSION CONTROL MEASURES AT STOCKPILE LOCATION INCLUDING BUT NOT LIMITED TO SILT FENCE, INLET PROTECTION, AND CONTRUCTION ENTRANCES.

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 901

EROSION CONTROL PLAN

WHITELAND HIGH SCHOOL PHASE 1

JOB No.	.	DRAWN	KLF	CHECKED	TEN	APPR.	GJI
DATE	JULY 5, 2023	DESIGNED	DMS			APPR.	GJI

DEREK M. SNYDER REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY	APPR.
1	07.28.23	REVISIONS PER ADDENDUM NO. 001	DMS	GJI
2	08.30.23	REVISIONS PER WHITELAND TAC COMMENTS. 100% CONSTRUCTION DOCUMENT	DMS	GJI

SHEET 901

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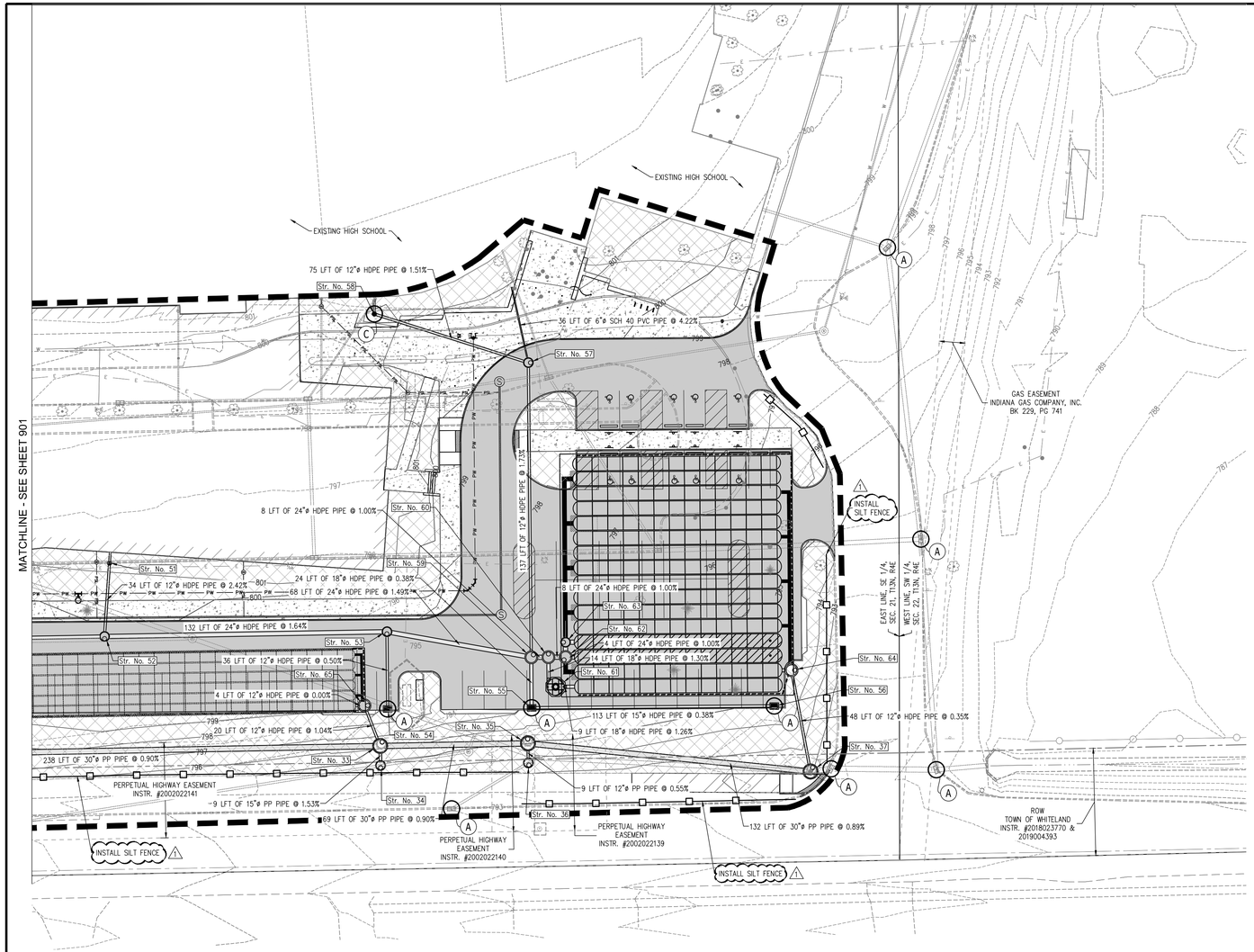
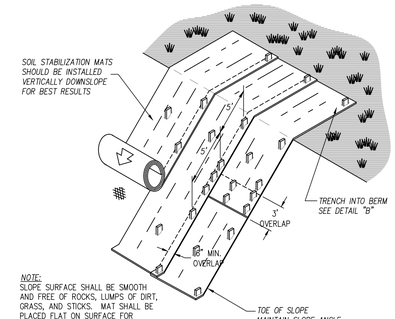
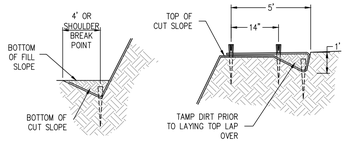




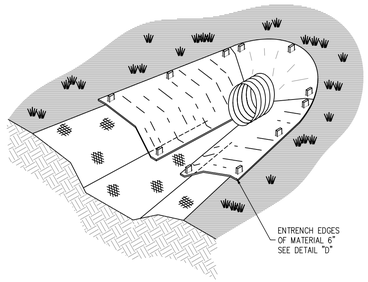
FILL SLOPE SECTION

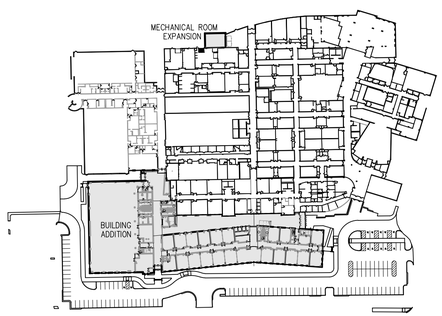


DETAIL "A" DETAIL "B"

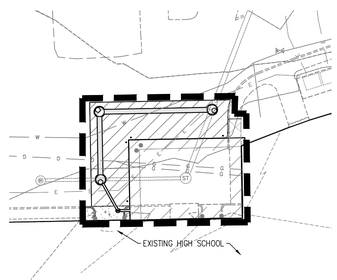
EROSION CONTROL BLANKET
SLOPE INSTALLATION
NOT TO SCALE

EXISTING CONTOUR INTERVAL = 1'
PROPOSED CONTOUR INTERVAL = 1'





KEYMAP
NOT TO SCALE



MECHANICAL ROOM EXPANSION

EROSION CONTROL LEGEND

- MULCHED SEEDING
- EROSION CONTROL BLANKET (NORTH AMERICAN GREEN SC-150 OR EQUAL) AND MULCHED SEEDING
- TEMPORARY CONSTRUCTION ENTRANCE (SEE DETAIL-SHEET 901)
- 800 — EXISTING CONTOURS
- 800 — PROPOSED CONTOURS
- SILT FENCE SLOPE CHECK (NUTEC 3 NWS-6 OR APPROVED EQUAL)
- CONSTRUCTION LIMITS
- (A) CURB INLET PROTECTION (SEE DETAIL-SHEET 900)
- (B) CONCRETE WASHOUT AREA (SEE DETAIL-SHEET 900)
- (C) FABRIC DROP INLET PROTECTION (SEE DETAIL-SHEET 900)
- (D) COIR LOG/FILTER SOCK (SEE DETAIL-SHEET 900)

EROSION CONTROL NOTES

1. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, COUNTY, OR LOCAL OFFICIALS.
2. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.
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4. CONSTRUCTION STAGING AREA (TO BE DETERMINED BY CONTRACTOR) SHALL INCLUDE THE NOI POSTING, PORT-O-LETS, TRASH CONTAINERS, AND FUELING TANKS. CONTRACTOR SHALL NOT LOCATE STAGING AREA WITHIN PROPOSED PARKING LOTS.
5. A TRAINED INDIVIDUAL MUST PERFORM AN INSPECTION ONCE A WEEK AND AFTER EVERY ½" OR MORE RAIN EVENT. A LOG OF THE INSPECTION REPORTS MUST BE KEPT AND MADE AVAILABLE TO THE TOWN INSPECTOR UPON REQUEST.
6. SOIL STOCKPILE LOCATION SHALL BE DETERMINED BY CONTRACTOR IN COORDINATION WITH THE OWNER AND SKILLMAN CORPORATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL NECESSARY EROSION CONTROL MEASURES AT STOCKPILE LOCATION INCLUDING BUT NOT LIMITED TO SILT FENCE, INLET PROTECTION, AND CONTRUCTION ENTRANCES.

ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY STATE, CITY OR COUNTY OFFICIALS

NOTE:
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

Know what's below. Call before you dig. 811

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

EROSION CONTROL PLAN

WHITELAND HIGH SCHOOL PHASE 1

JOB No.	.	DRAWN	KLF	CHECKED	TEN	APPR.	CJI	SHEET	902
DATE	JULY 5, 2023	DESIGNED	DMS						

REVISIONS PER WHITELAND TAC COMMENTS. 100% CONSTRUCTION DOCUMENT — DMS — CJI
REVISIONS PER ADDENDUM NO. 001 — DMS — CJI

NO.	DATE
2	08.30.23
1	07.28.23

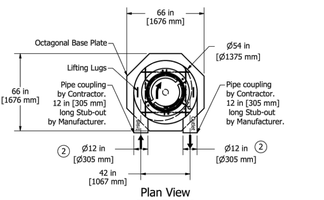
REGISTERED NO. 11200008 STATE OF INDIANA PROFESSIONAL ENGINEER
DEREK M. SNYDER

SHEET 902

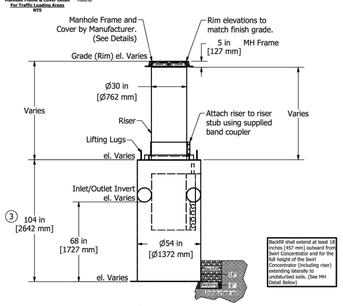
DIRECTORY PATH : R:\Active\Carson Reed\Whiteland High School\Design\CAD\Plans\PHASE 1
FILENAME : 902 EROSION CONTROL PLAN.dwg
DATE/USER : 8/29/2023 5:29 PM / Dsnyder

Aqua-Swirl® Polymer Coated Steel (PCS)
Stormwater Treatment System

Projected View
SCALE 1:80



Plan View
SCALE 1:40



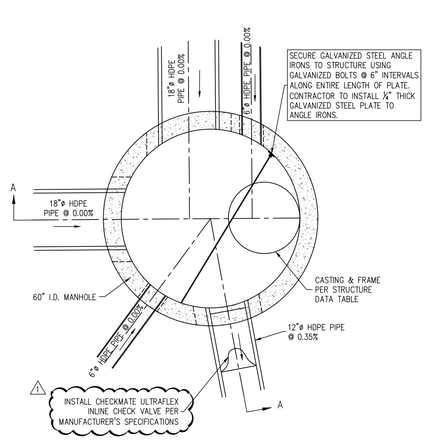
Elevation View
SCALE 1:40

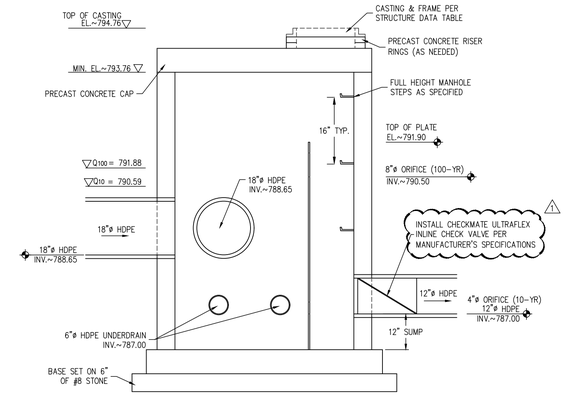
Please see accompanied Aqua-Swirl® specification notes. See Site Plan for actual system orientation. Approximate dry (pick) weight: 2000 lbs [900 kg].

1. As an alternative, 42 in [1067 mm] diameter, HS-20/25 rated precast concrete rings may be substituted. 14 in [356 mm] thickness must be maintained.
2. AS-4 inlet/outlet pipe size ranges from 4 in [102 mm] to 12 in [305 mm].
3. AS-4 chamber height may vary from 84 in [2134 mm] to 104 in [2642 mm], depending on inlet/outlet pipe size.

AquaShield®	Aqua-Swirl® Concentrator AS-4 HorseShoe CW	Structure #:	AS-4 STD	Riveted	Rev. Date
2733 Kansella Drive, Suite 111, Chattanooga, TN 37343 Phone (888) 344-6844 Fax (423) 826-3113 www.aquashieldinc.com		Drawn By:	Dhjarris		
	Standard Detail	Scale:	As Shown		
		Date:	2/25/2021		

U.S. Patent No. 6524473 and other Patent Pending





OUTLET CONTROL STRUCTURE DETAIL
STR. NO. 64
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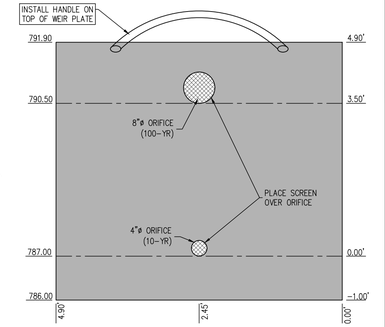
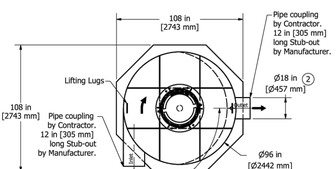


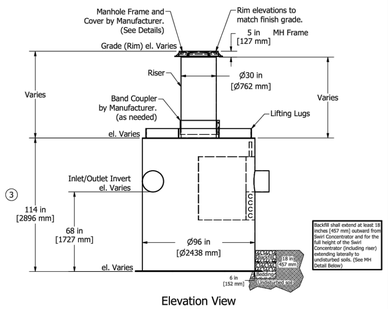
SHARP CRESTED WEIR DETAIL

Aqua-Swirl® Polymer Coated Steel (PCS)
Stormwater Treatment System

Projected View
SCALE 1:80



Plan View
SCALE 1:40



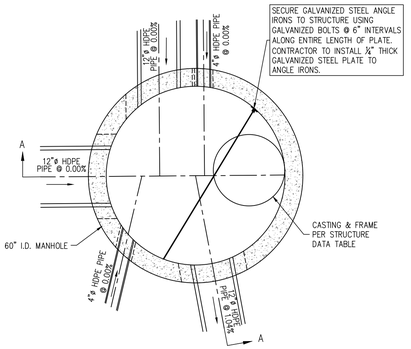
Elevation View
SCALE 1:40

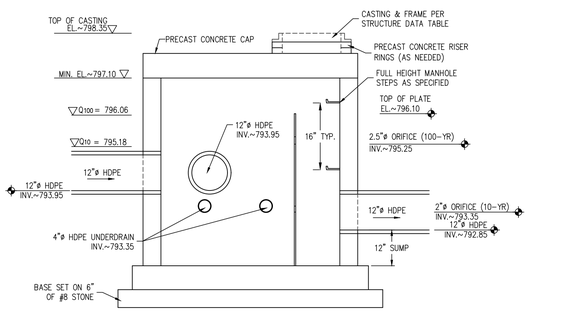
Please see accompanied Aqua-Swirl® specification notes. See Site Plan for actual system orientation. Approximate dry (pick) weight: 5000 lbs [2300 kg].

1. As an alternative, 42 in [1067 mm] diameter, HS-20/25 rated precast concrete rings may be substituted. 14 in [356 mm] thickness must be maintained.
2. AS-8 inlet/outlet pipe size ranges from 4 in [102 mm] to 18 in [457 mm].
3. AS-8 chamber height may vary from 84 in [2134 mm] to 114 in [2896 mm], depending on inlet/outlet pipe size.
4. Orientation may vary from 90°, 180°, or custom angles to meet site conditions.

AquaShield®	Aqua-Swirl® Concentrator AS-8 Standard CW	Structure #:	AS-8 STD	Riveted	Rev. Date
2733 Kansella Drive, Suite 111, Chattanooga, TN 37343 Phone (888) 344-6844 Fax (423) 826-3113 www.aquashieldinc.com		Drawn By:	JScavitti		
	Standard Detail	Scale:	As Shown		
		Date:	2/4/2022		

U.S. Patent No. 6524473 and other Patent Pending





OUTLET CONTROL STRUCTURE DETAIL
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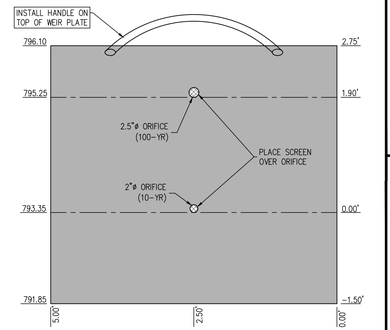
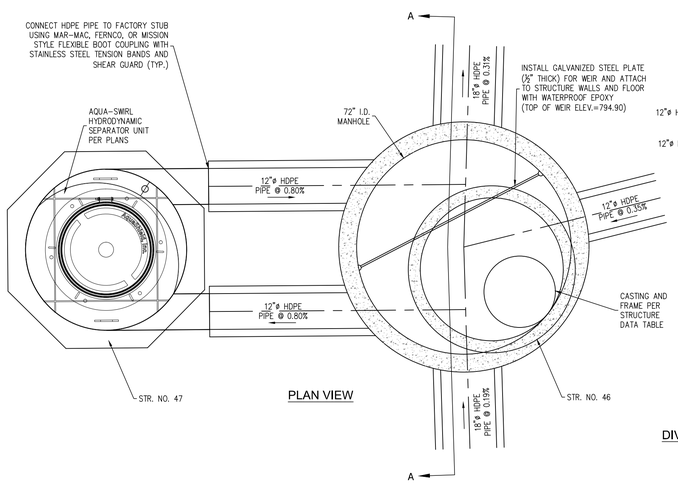
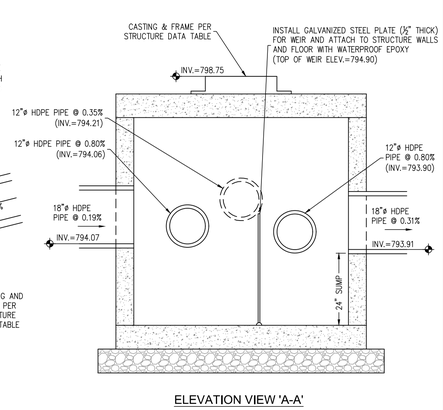


SHARP CRESTED WEIR DETAIL

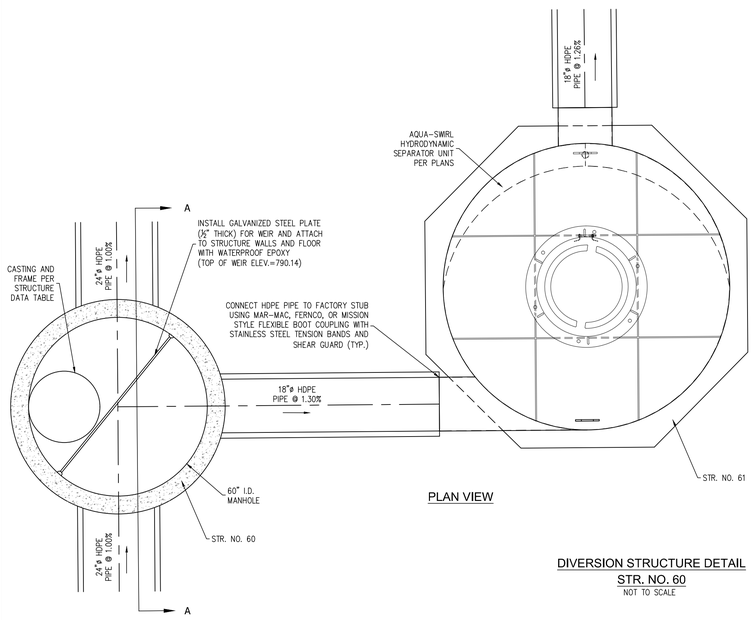


PLAN VIEW

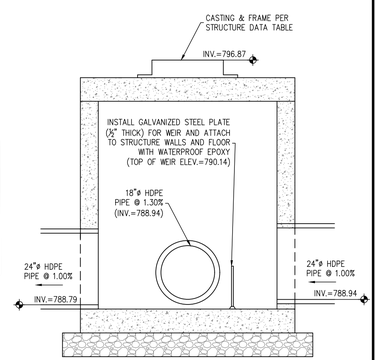


ELEVATION VIEW 'A-A'

DIVERSION STRUCTURE DETAIL
STR. NO. 46
NOT TO SCALE



PLAN VIEW



ELEVATION VIEW 'A-A'

DIVERSION STRUCTURE DETAIL
STR. NO. 60
NOT TO SCALE

DIRECTORY PATH : R:\Active\Lancer+Parker\Whiteland High School\Design\CAD\Plans\PHASE 1
FILENAME : 1000 MISCELLANEOUS DETAILS.dwg
DATE/USER : 8/29/2023 9:38 AM / Dsnyder

CROSSROAD ENGINEERS, PC
Transportation & Development Consultants
115 N. 17th AVENUE, BEECH GROVE, IN 46107 (317) 780-1555

SHEET 1001

MISCELLANEOUS DETAILS

WHITELAND HIGH SCHOOL PHASE 1

JOB No.	-	DRAWN	KLF	CHECKED	TEN
DATE	JULY 5, 2023	DESIGNED	DMS	APPR.	CJI

DEREK M. SNYDER
NO. 11200008
STATE OF INDIANA
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	APPR.
		DMS	CJI
1	07.28.23	DMS	CJI
2	08.30.23	DMS	CJI

REVISIONS
REVISIONS PER ADDENDUM NO. 001
REVISIONS PER WHITELAND TAC COMMENTS. 100% CONSTRUCTION DOCUMENT

SHEET 1001

SECTION 33 4200 – STORMWATER CONVEYANCE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

B. INDOT 2022 Standard Specifications – Sections 702, 715, 718 and 720.

1.2 SUMMARY

A. Section Includes:

1. Installation of storm sewer pipes.

2. Installation of storm inlets, storm manholes, stormwater quality treatment units, water quality diversion structures, and detention system outlet structures.

1.3 ACTION SUBMITTALS

A. Product Certificates: Contractor shall submit the following certifications and documentation:

1. Producer name, location and source/approval number of the precast reinforced concrete pipe, pipe end section, riser rings and storm structures from the INDOT Certified Precast Concrete Producers list.

2. Manufacturer name, location and source/approval number of the HDPE pipe, PVC pipe and all plastic fittings from the INDOT plastic pipe and pipe liner sources list.

B. Product Data: For each type of product.

1. Contractor shall submit shop drawings, manufacturer information, details, material descriptions, and dimensions of individual components for the following:

a. Precast concrete storm structures
b. Storm sewer castings
c. Nyloplast Drain Basins
d. Aqua-Swirl hydrodynamic separators
e. CheckMate UltraFlex inline check valves

2. Contractor shall submit concrete mix designs for Class ‘A’ concrete collars.

1.4 PROJECT CONDITIONS

A. The Contractor shall field verify location, size, and elevation of the existing storm sewer system where proposed storm sewer systems are to be connected. Contractor shall report discrepancies to the Owner and Engineer immediately.

B. The Contractor shall field verify the location, size, and elevation of other existing utility conveyances including domestic water, sanitary sewer, natural gas, electric, and telecommunication cables/ducts prior to construction and immediately report conflicts with the proposed storm sewer systems to the Owner and Engineer.

C. Storm sewer pipe and structures shall comply with current specifications of the Town of Whiteland Stormwater Department/Utility and Town of Whiteland Design Standards and Specifications Manual and all other responsible agencies in respect to design and quality of construction.

D. If the Contractor elects to use alternate precast structures, casting manufacturers, or stormwater quality unit makes and models, detailed shop drawings shall be submitted to the Engineer for review and written approval prior to construction. Acceptance of alternates shall be at the discretion of the Owner and Engineer.

E. Storm sewer pipe material substitutions must be approved in writing by the Engineer.

PART 2 - PRODUCTS

2.1 REINFORCED CONCRETE PIPE (RCP)

A. Where reinforced concrete pipe (RCP) is shown on the construction plans, it shall be Class III, Wall "B" conforming to ASTM C76, AASHTO M170, and the Indiana Department of Transportation (INDOT) Standard Specifications Section 907.

1. Provide RCP with tongue and groove joints with compression type rubber gasket which conforms to ASTM C443.

2.2 HIGH-DENSITY POLYETHYLENE (HDPE) PIPE

A. Where high-density polyethylene (HDPE) pipe is shown on the construction plans, it shall be dual wall corrugated HDPE pipe and fittings consisting of an annular outer corrugate pipe wall and a smooth inner wall in accordance with ASTM F2648 and the Indiana Department of Transportation (INDOT) Standard Specifications Section 907.

1. Pipe and fitting materials shall be, in accordance with ASTM D3350, either virgin high-density polyethylene or engineering compound of virgin and recycled high density polyethylene with a minimum cell class of 435420C.

2. Furnish HDPE pipe with bell and spigot joints in conformance with ASTM F2648.

3. Gasket material shall conform to ASTM F477.

4. Provide fittings of the same manufacturer for each type of HDPE pipe. Manufactured fittings shall not be accepted substitutes for precast storm structures.

2.3 POLYVINYL CHLORIDE (PVC) PIPE

A. Where polyvinyl chloride (PVC) pipe is shown on the construction plans, it shall be solid wall gravity flow PVC storm sewer pipe and fittings with bell and spigot joints with elastomeric seals and smooth inner walls in accordance with ASTM D3034 (SDR 35, 12 to 15-inch diameter), ASTM F679 (PS 46, 18 to 36-inch diameter), and INDOT Standard Specification Section 907.

1. Minimum cell class shall be in accordance with ASTM D1784 as follows:

   a. Cell class 12364 for 12 to 15-inch diameter pipes.

   b. Cell class 12454 for 18 to 24-inch diameter pipes.

2. Pipe shall have a minimum stiffness of 46 pounds per square inch when tested in accordance with ASTM D2412.

3. Furnish PVC pipe with flexible, gasketed compression type joints so that, when assembled, the gasket inside the bell is compressed radially on the pipe spigot to form a soil-tight seal. Assemble joints in accordance with the pipe manufacturer's recommendations and ASTM D3212. Gaskets shall conform to ASTM F477.

4. Manufactured fittings shall not be accepted substitutes for precast storm structures.

2.4 POLYPROPYLENE (PP) PIPE

A. Where polypropylene (PP) pipe is shown on the construction plans, it shall be double wall PP pipe with a smooth interior and annular exterior corrugations in accordance with ASTM F2736.

1. Polypropylene compound for pipe and fitting production shall be impact modified copolymer meeting the material requirements of ASTM F2736 Section 4, ASTM F2881 Section 5, and AASHTO M330 Section 6.1 for respective diameters.

2. Provide pipe joined with a gasketed integral bell and spigot joint meeting the requirements of ASTM F2736. Joints shall be watertight.

2.5 SLOTTED DRAIN PIPE

A. Slotted drain pipe shall consist of the Duraslot slotted drain pipe system as manufactured by Advanced Drainage Solutions (ADS) Inc.

B. Duraslot system shall utilize a variable height riser and pedestrian grate.

2.6 PRECAST CONCRETE STORM STRUCTURES

A. All storm manholes, catch basins, and inlets shall be precast concrete.

B. Precast concrete and steel for manholes and inlets shall be in accordance with ASTM C-478.

C. Castings shall be as shown on the detail sheet(s) for manufacturer, type, and model numbers.

D. Weir plates and angle iron connectors for outlet control and/or diversion structures shall be galvanized steel of the thickness as specified on the plans. Bolts utilized for connecting the angle iron to the precast structure shall be galvanized steel of sufficient length to attach angle iron to the structure. The weir plates shall extend the full inside width or diameter of the precast storm structure to which it connects. The weir plate heights shall be as shown on the construction plans.

E. Debris screens/trash guards, for outlet control structure orifices, shall be galvanized steel. Each screen shall extend beyond the orifice opening by a minimum of 2 inches on any and all sides.

2.7 NYLOPLAST DRAIN BASINS

A. Nyloplast drain basins, grates, and covers shall be as manufactured by Advanced Drainage Solutions (ADS).

2.8 STORMWATER QUALITY TREATMENT UNITS

A. Aqua-Swirl hydrodynamic separators as manufactured by Aqua-Shield, Inc. shall be installed for stormwater quality treatment as indicated on the construction plans. No substitutions will be allowed without prior written approval by the Engineer.

B. Units shall be handled and stored in accordance with the manufacturer’s specifications to avoid damage.

C. Aqua-Swirl units shall be fabricated from polymer pre-coated steel sheet for corrugated steel pipe and shall comply with ASTM A 760 and ASTM A 742. Units must be installed in offline configurations as shown on the plans.

1. Stub outs and internal components shall be supplied by the manufacturer and MIG welded using accepted welding practices.

2. The manufacturer shall supply direct access to the unit via a riser. The riser shall not be field cut by the contractor.

D. Pipe coupling connections to and from Aqua-Swirl shall be Mar-Mac, Fernco, or Mission style flexible boot with stainless steel tension bands and shear guard. Fabricated HDPE

bends shall be installed as noted on the plans between the hydrodynamic separators and diversion manholes.

E. Bedding Stone: Stable base consisting of at least 6 inches of fine, readily compacted soil or granular fill material. Bedding shall not contain stones retained on a 3-inch ring, frozen lumps, highly plastic clay, organic material, corrosive material, or other deleterious foreign materials.

F. Backfill Stone: Class I or II stone materials, (well graded gravels, gravely sands; contains little or no fines) as defined by ASTM D 2321, Section 5, Materials.

G. Contractor shall install the hydrodynamic separators in accordance with the manufacturer's specifications and details including all traffic rated, reinforced concrete pads around castings for units located in areas subject to traffic loading.

2.9 INLINE CHECK VALVE

A. Inline check valves shall be CheckMate UltraFlex inline check valves as manufactured by Tideflex Technologies.

B. Inline check valves shall be handled, stored, and installed in accordance with the manufacturer's specifications to avoid damage.

2.10 MORTAR

A. Mortar for setting casting frames shall be composed of 1 part cement to 2 parts No. 23 fine aggregate by volume.

PART 3 - EXECUTION

3.1 GENERAL

A. Permits and Codes: The intent of this section of the specifications is that the Contractor's bid on the work covered herein shall be based upon the drawings and specifications but that the work shall comply with all applicable codes and regulations as amended by any waivers. The contractor shall furnish all bonds necessary to get permits for cuts and connections to existing sewers.

B. Contractor shall be responsible for confirming, coordinating, and scheduling all necessary inspections by the Town of Whiteland related to the storm sewer system installation.

C. Local Standards: The term "local standards" as used herein means the standards of design and construction of the Town of Whiteland Stormwater Department/Utility and Town of Whiteland Design Standards and Specifications Manual.

D. Existing Improvements: The Contractor shall maintain in operating condition all active utilities, sewers, and other drains encountered in the sewer installation. The Contractor shall repair to the satisfaction of the Owner any damage to existing active improvements.

E. Utilities: It shall be the responsibility of the Contractor to verity all existing utilities and conditions pertaining to his work. It shall also be the Contractor's responsibility to contact the owners of the various utilities before work is started. The Contractor shall notify in writing the Owner and Engineer of any changes, errors, or omissions found on these plans or in the field before work is started or resumed.

F. Workmanship: This work shall conform to all local, state, and national codes and to be approved by all local and state agencies having jurisdiction.

3.2 TRENCH EXCAVATION

A. Excavate storm sewer trenches to the widths and depths as indicated on the construction plans and details and in accordance Section 31 20 00 Earthwork.

3.3 STRUCTURE INSTALLATION

A. Contractor shall install precast concrete storm structures in accordance with Section 720 of the INDOT 2020 Standard Specifications.

B. Contractor shall install and backfill Nyloplast drain basins and Duraslot slotted drain pipe in accordance with the manufacturer’s details, specifications, and recommendations.

C. Excavation shall be to the established bottom of the structure foundations and shall result in a firm, smooth surface. If soft or yielding spots are encountered at this elevation, the Contractor shall remove the soft soil and backfill it with suitable granular backfill or crushed limestone aggregate materials tamped into place. If rock is encountered at the bottom elevation, the excavation shall be carried down 6 inches further and backfilled with an approved material tamped to the required elevation.

D. Inlet and outlet pipes shall extend through structure walls a sufficient distance to allow for connections to the outside and concrete/mortar carefully placed around them to prevent leakage around the pipe.

E. Frames for castings and bearing plates for manholes shall be set in full mortar beds and secured. Mortar shall be composed of 1 part cement to 2 parts No. 23 fine aggregate by volume. Castings shall be set to the finished pavement elevations so that subsequent adjustments are not necessary.

F. Where castings are adjacent to or are surrounded by cement concrete construction, each casting shall be entirely separated from the concrete by a preformed joint filler not less than 3/8” thick. Grates shall be places with the maximum dimension of the rectangular opening parallel to the direction of flow.

G. If a manhole is constructed within the pavement area, the total height of the casting specified plus the height of the adjusting rings shall be based on the adjacent pavement section depth.

H. If the completed structure is partially or completely under or at its nearest point is within 5 feet of pavement, sidewalks, curbs, gutters or buildings, the excavated space not occupied by the structure shall be backfilled with granular backfill material.

I. Backfilling Aqua-Swirl Units: contractor shall backfill unit in accordance with ASTM A 798, Section 10, Structural Backfill Placement. The backfill stone shall be placed in 6 to 12 inch lifts and compacted to 90% proctor density. The backfill shall extend at least 18 inches outward from the unit and for the full height of the unit (including risers) extending laterally to undisturbed soils.

J. Manhole Inverts: construct manhole flow channels of concrete sewer pipe or brick, smoothly finished and of semicircular section conforming to the inside diameter of the connecting sewers. Make changes in size or grade gradually and changes indirection by true curves. Provide such channels for all connecting sewers at each manhole.

K. The Contractor shall install galvanized steel weir plates at the elevations as shown on the plans. Weir plates for outlet control structures shall be attached to the precast structure utilizing galvanized steel angle iron connectors and bolts. Weir plates for diversion structures shall be attached to precast structure utilizing waterproof epoxy.

3.4 PIPE INSTALLATIONS

A. Contractor shall install storm sewer pipe and underdrains in accordance with Sections 715 and 718 of the INDOT 2020 Standard Specifications.

B. Excavate trenches in accordance with the details included in the construction plans and Section 31 20 00 Earthwork. Where pipe is to be place in fill sections, a portion of the fill shall be constructed and compacted in accordance with the specifications prior to pipe installation.

C. Sheet and brace trenches as necessary to protect workmen and adjacent structures. All trenching to comply with current Occupational Safety and Health Administration (OSHA) standards. Keep trenches free from water while construction is in progress. Under no circumstances shall pipe or appurtenances be laid in standing water. Conduct the discharge from trench de-watering to appropriately designed and sized dewatering bags or basins prior to discharging into storm sewer drains or natural drainage channels.

D. Install #8 compacted aggregate for bedding of flexible pipe in 6-inch lifts. Compaction shall be accomplished by hand or mechanical tamping or walking the granular material in.

E. Lay pipe to the lines and grades shown on the construction plans. All pipe shall be laid commencing from the lowest point, proceeding upstream, with the spigot ends pointing towards the direction of the flow. HDPE and PVC pipe shall not be blocked for support. The practice of blocking pipe up to grade with bedding material then backfilling

underneath the pipe is prohibited. The entire length of the bed section shall be at the proper grade before installing pipe.

F. Where HDPE and PVC pipe are to be installed below the maximum ground water table, Contractor shall provide adequate weights to prevent floatation of the pipe.

G. Install HDPE and PVC pipe on a firm, uniform foundation of bedding material under the entire lower quadrant of the barrel. No weight shall be supported by the pipe bell.

H. Install reinforced concrete pipe on a firm, uniform foundation of undisturbed soil and cut recesses into the soil to receive any projecting hubs or bells.

I. Pipe shall be carefully inserted into the bell in such that there will be no unevenness of any kind along the bottom half of the pipes and that there is a uniform joint space all around.

J. Contractor shall take special precautions when homing PVC pipe as to not over-seat past the home marks. Field cut pipes shall have the homing marks reestablished to ensure proper seating depths. Field cut pipes shall have the cut ends re-tapered, by grinding or filing, as close as possible, to the original taper provided by the manufacturer. When homing pipe with a spud-bar or other mechanical equipment, other than by hand, a piece of wood shall be placed between the pipe and tool to prevent damage to the bell end section.

K. All pipes which settle, or which are not in alignment, shall be taken up and re-laid at the Contractor’s expense.

L. All storm sewer pipe, except underdrains, shall be video inspected for acceptance a minimum of 30 days after the completion of backfill operations.

M. Backfilling: Pipe bedding and backfill shall be placed as shown in the plans. Contractor shall install initial backfill consisting of Class I material such as #8 aggregate a minimum of 12” above the top of flexible pipe (PVC, HDPE, and PP pipe). Contractor shall hand tamp or walk-in bedding and initial backfill. Contractor shall install Class II or clean sand granular backfill in 6-inch maximum lifts and mechanical compact to 95% modified proctor density when trenches are within 5 feet of sidewalks, pavement, curbs, or buildings. Compaction operations shall be completed taking care not to disturb the pipe.

3.5 INLINE CHECK VALVE INSTALLATION

A. Contractor shall install the inline check valve in accordance with the manufacturer’s specifications.

3.6 DEWATERING

A. If necessary due to site conditions or excessive rainfall events, the Contractor shall dewater the site and/or excavations utilizing a system of pumps and re-useable dewatering bags. The Contractor shall not allow dewatering operations to discharge directly into storm sewers, storm inlets or manholes, ditches, or swales without an

appropriately sized and selected dewatering bag. Under no circumstances shall dewatering operations associated with groundwater or precipitation be discharged into a sanitary sewer.

3.7 FIELD QUALITY CONTROL

A. Deflection Testing for Flexible (HDPE, PP, PVC) Pipes: Contractor shall be responsible for performing deflection testing in accordance with the following requirements:

1. Performing testing in presence of the Owner's designated representative.

2. Perform testing on all flexible pipes 12-inch diameter and larger after the final backfill has been in place for at least 30 days.

3. Perform deflection testing using a mandrel pulled by hand. The mandrel (go/no-go) devise shall be cylindrical in shape and constructed with nine or ten evenly spaced arms or prongs.

4. No pipe shall exceed a vertical deflection of 5%. Contractor shall uncover, replace, and retest any pipe not passing the deflection test until a satisfactory result is achieved.

B. Television Inspection: Contractor shall be responsible for televising the storm sewer in accordance with the following requirements:

1. Televise all mainline storm sewers (manhole to manhole).

2. Televise all lateral storm sewers (manhole to inlet, inlet to inlet, etc.) exceeding 40 feet in length.

3. Perform television inspection in the presence of the Owner's designated representative.

4. Clean all new storm sewers prior to television inspection so the image is clear and interior condition of the pipe is easily evaluated.

5. Correct all unacceptable conditions found during television inspection and re-televise until no unacceptable conditions are found.

6. Unacceptable conditions are those adversely impacting the ability of the system to function as designed or to be properly maintained including but not limited to the following:

   a. Protruding taps

   b. Cracked or faulty pipe

   c. Misaligned or deformed pipe

   d. Debris in line

e. Infiltration/exfiltration

f. Excessive gaps in joints

g. Bellies or sags with a depth greater than or equal to 10% of the pipe diameter (maximum of 3 inches) or a length greater than 25 feet.

7. Submit copy of the televising recording (DVD format) to the Owner within 14 calendar days of the inspection.

END OF SECTION 33 4200

Primary Engineering, Inc.
9785 Crosspoint Blvd., Ste. 103
Indianapolis, Indiana 46256
317-324-1221 ph
www.primary-eng.com

Addendum: **1**

Date: **08/30/23**

Project: **Clark-Pleasant Community School Corp.**
Whiteland Comm. High School Addition

Comm #: **22417**

The following items shall be incorporated into the specifications and drawings and are considered to be integral to the bid documents for the project. Acknowledgement of receipt of this addendum is required on the bid form.

Item #1: Specification Section 230900, "Instrumentation and Control for HVAC".

A. Add Part 2.2 A.6: Honeywell with Niagara 4, installed by local factory authorized branch.

Item #2: Drawing Sheet P100K.

A. Revise underground storm drain piping. Refer to attached drawing revision.

Item #3: Drawing Sheet P100M.

A. Revise underground sanitary drain piping invert elevation. Refer to attached drawing revision.

Item #4: Drawing Sheet P101K.

A. Delete CO-2. Refer to attached drawing revision.

Item #5: Drawing Sheet E101A

A. Added Plan note #20 to drawings. Refer to supplemental information drawing E101A for additional information.

Item #6: Drawing Sheet E101G

A. Added Plan note #20 to drawings. Refer to supplemental information drawing E101G for additional information.

Item #7: Drawing Sheet E101H

A. Added Plan note #3 to drawings. Refer to supplemental information drawing E101H for additional information.

Item #8: Drawing Sheet E202M.

A. RM. M2000: Deleted HP-2.03 and added TF-M1. Refer to supplemental information drawing E202M for additional information.

Item #9: Drawing Sheet E503

A. Added Detail #7 to the drawings. Refer to supplemental information Drawing E503 for additional information.

Item #10: Drawing Sheet E504

A. Revised Detail #2 to the drawings. Refer to supplemental information Drawing E504 for additional information.

Item #11: Drawing Sheet E701.

A. Equipment Schedule: Deleted equipment HP2.03. Refer to supplement information drawing E701 for additional information.
B. Equipment Schedule: Add TF-M1. Refer to supplement information drawing E701 for additional information.

Item #12: Drawing Sheet E702

A. Light fixture Schedule: Added manufacturers and fixtures. Refer to supplement information drawing E701 for additional information.

Item #13: Drawing Sheet E706

A. Panel 2HK1: Change circuit 50(52,54) to be spare circuit breaker. Refer to supplement information drawing E706 for additional information.

Item #14: Drawing Sheet E707

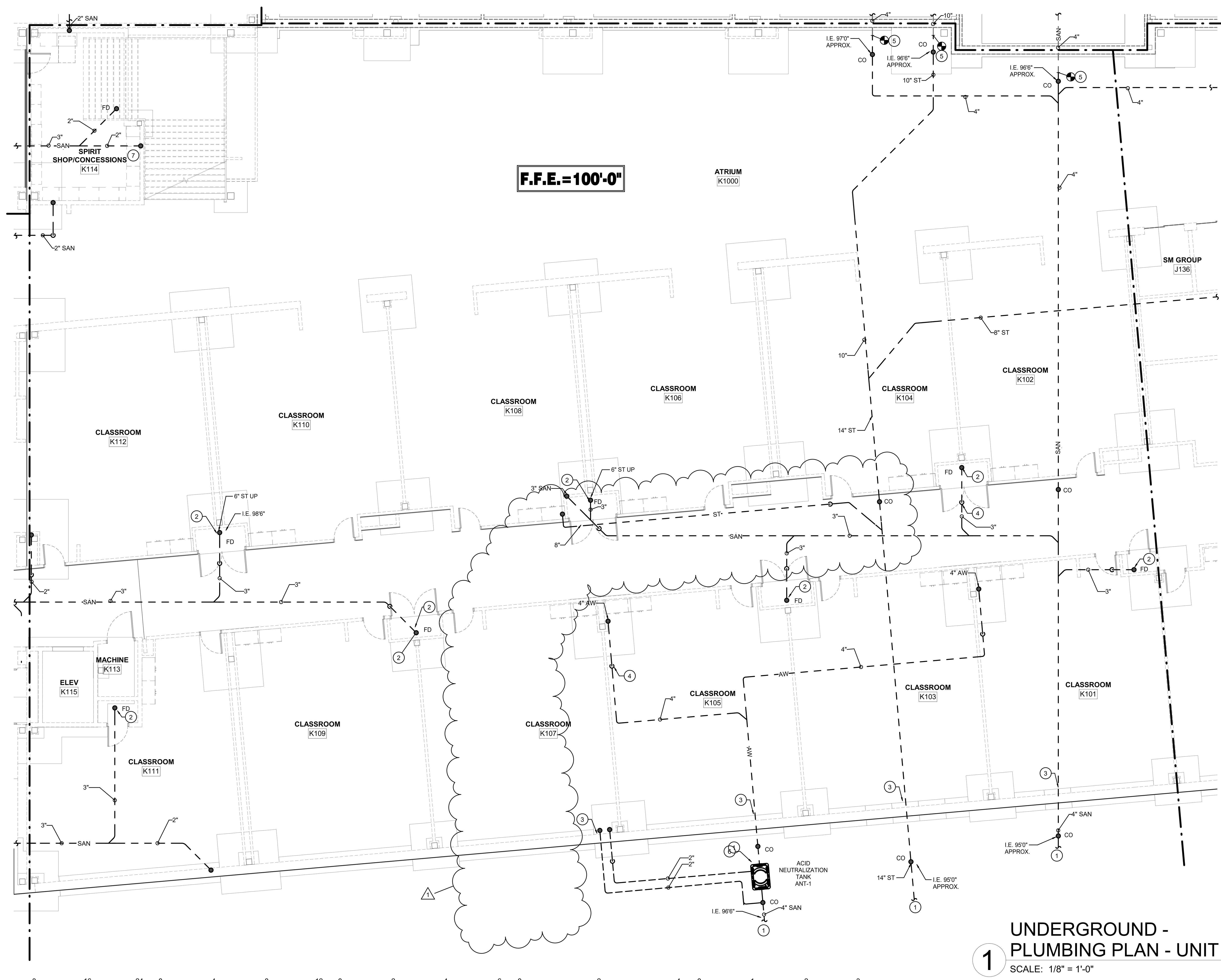
A. Panel 2LK1: Added TF-M1 to circuit #58. Refer to supplemental information drawing E707 for additional information.

Item #15: Drawing Sheet ES201.

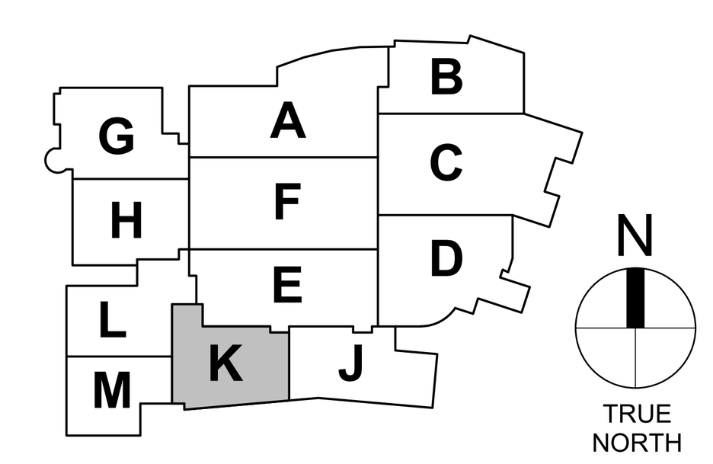
A. Refer to supplemental information drawing ES201 for revisions to plan notes.

PLAN NOTES

1. REFER TO CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT LOCATION WITH SITE CONTRACTOR.
2. SANITARY PIPING UP TO FLOOR DRAIN FOR HEAT PUMP CONDENSATE DRAINAGE. COORDINATE WITH LOCATION OF EQUIPMENT BEING SERVED.
3. SLEEVE THROUGH UNDERGROUND FOUNDATION AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR. TYPICAL.
4. AT UNDERGROUND ROUGH-IN LOCATED ABOVE UNDERGROUND FOOTER, UNDERGROUND SANITARY OR STORM PIPING SHALL ROUTE ABOVE UNDERGROUND FOOTING BUT BELOW BOTTOM OF SLAB. BEYOND FOOTER, DECREASE PIPE INVERT ELEVATION TO 98'-6" MINIMUM. TYPICAL.
5. RECONNECT TO EXISTING UNDERGROUND DRAIN PIPING.
6. PROVIDE AND INSTALL ACID NEUTRALIZATION TANK PER MANUFACTURER'S INSTALLATION REQUIREMENTS. REFER TO DETAIL ON DRAWING SHEET P402 FOR MORE INFORMATION.
7. 2" SANITARY UP TO WALL BOX DRAIN FOR HVAC CONDENSATE DRAIN.



1 UNDERGROUND - PLUMBING PLAN - UNIT K
SCALE: 1/8" = 1'-0"



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REVISIONS:

#	Date	Desc.
1	8/30/2023	ADDENDUM #1

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: ASL

UNDERGROUND - PLUMBING PLAN - UNIT K

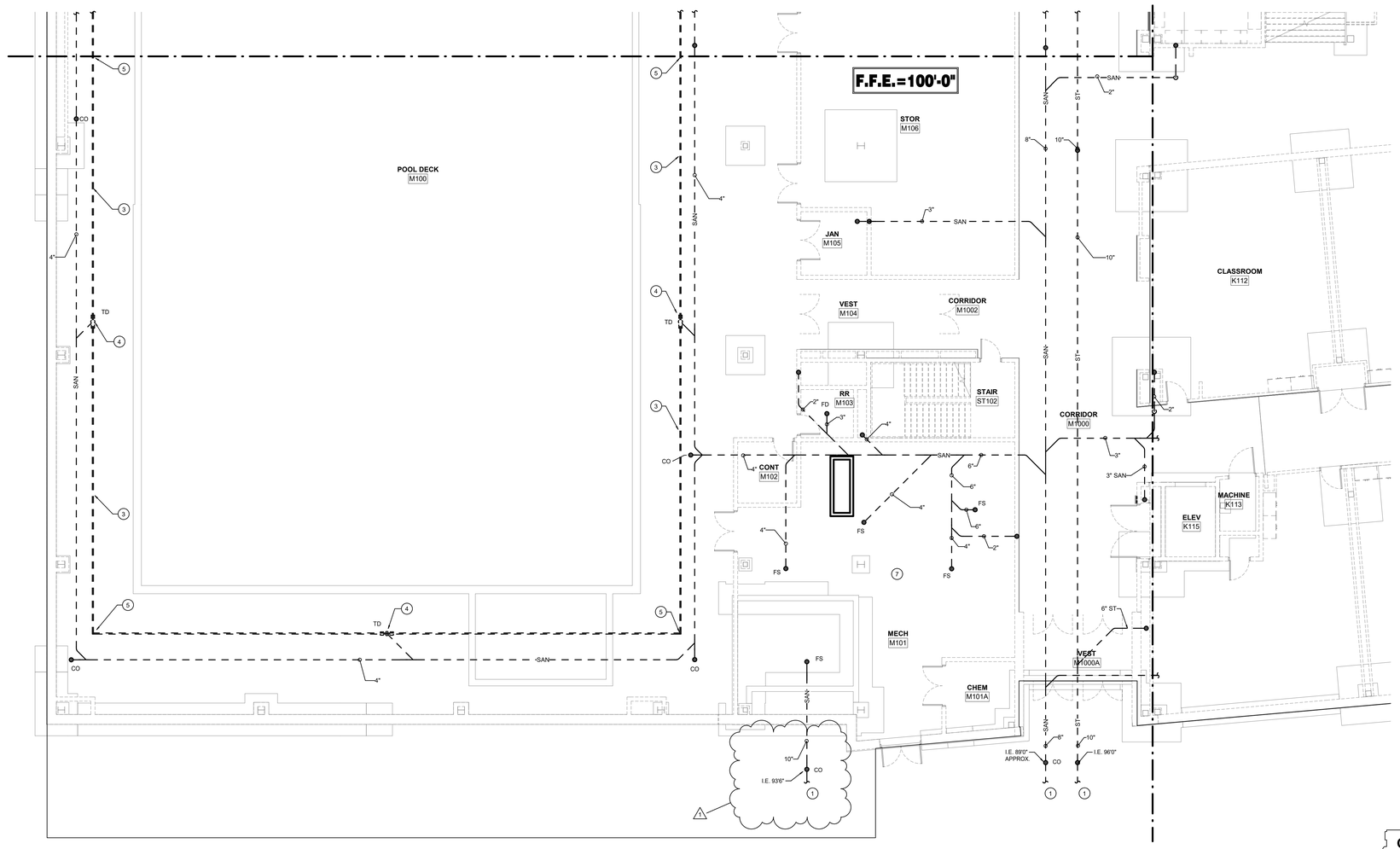
P100K

PRIMARY JOB # 22417

PLAN NOTES

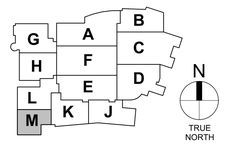
(X)

1. REFER TO CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT LOCATION WITH SITE CONTRACTOR.
2. 2" SANITARY UP TO WALL BOX DRAIN FOR HVAC CONDENSATE DRAIN.
3. 2" PERIMETER REINFORCED POLYMER CONCRETE TRENCH DRAIN AT 1% SLOPE. GRATE SHALL BE 3" WIDE SLOTTED ADA DIN CLASS A THERMAL PLASTIC.
4. 4" WIDE GULLY BOXES WITH SEDIMENT BASKET AND BOTTOM OUTLET.
5. TRENCH DRAIN HIGH POINT.
6. AT UNDERGROUND ROUGH-IN LOCATED ABOVE UNDERGROUND FOOTER, UNDERGROUND SANITARY OR STORM PIPING SHALL ROUTE ABOVE UNDERGROUND FOOTING BUT BELOW BOTTOM OF SLAB. BEYOND FOOTER, DECREASE PIPE INVERT ELEVATION TO 98'-6" MINIMUM. TYPICAL.
7. COORDINATE EXACT LOCATION OF ALL SANITARY DRAINS WITH AQUATICS CONTRACTOR. REFER TO AQUATICS DRAWINGS FOR MORE INFORMATION.



1 UNDERGROUND - PLUMBING PLAN - UNIT M

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



THIS MONOCHROME PRINT SHOULD DISPLAY GRAYSCALE BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

PLOT DATE/TIME: 8/30/2023 11:17:37 PM

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1	8/30/2023	ADDENDUM #1

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: ASL

UNDERGROUND - PLUMBING PLAN - UNIT M

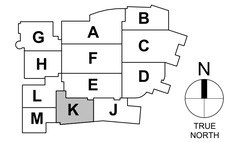
P100M

PRIMARY JOB # 22417

PLAN NOTES

1. PROVIDE AND INSTALL WALL BOX FOR HVAC CONDENSATE DRAIN. REFER TO DETAIL ON PLUMBING SHEET P401 FOR MORE INFORMATION.

1 FIRST FLOOR - PLUMBING PLAN - UNIT K
SCALE: 1/8" = 1'-0"



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PROJECT: #22130
DATE: 07-28-2023
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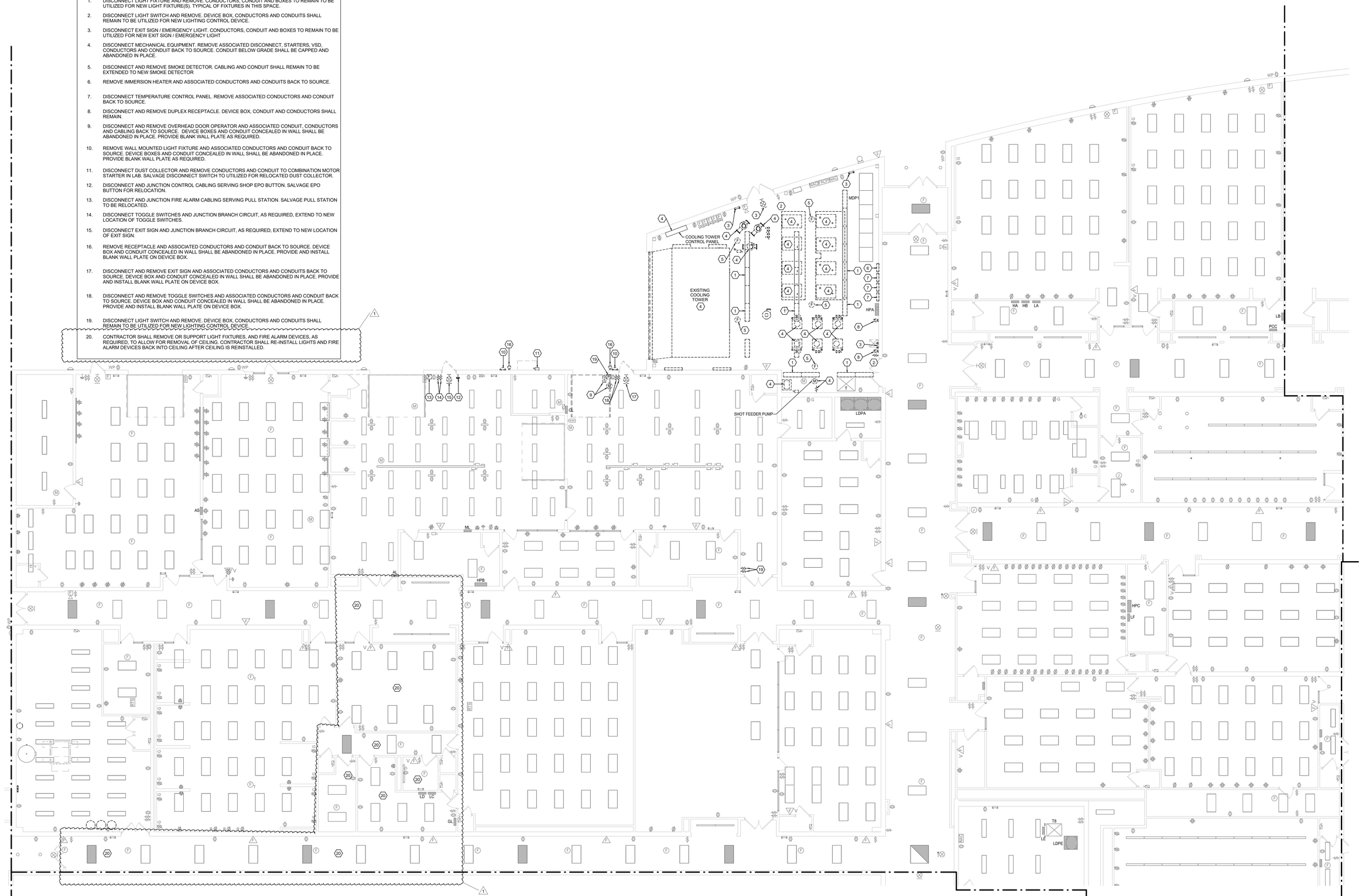
FIRST FLOOR - PLUMBING PLAN - UNIT K

P101K

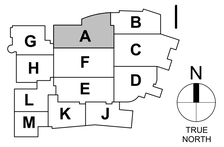
PRIMARY JOB # 22417

PLAN NOTES

1. DISCONNECT LIGHT FIXTURE AND REMOVE. CONDUCTORS, CONDUIT AND BOXES TO REMAIN TO BE UTILIZED FOR NEW LIGHT FIXTURE(S). TYPICAL OF FIXTURES IN THIS SPACE.
2. DISCONNECT LIGHT SWITCH AND REMOVE. DEVICE BOX, CONDUCTORS AND CONDUITS SHALL REMAIN TO BE UTILIZED FOR NEW LIGHTING CONTROL DEVICE.
3. DISCONNECT EXIT SIGN / EMERGENCY LIGHT. CONDUCTORS, CONDUIT AND BOXES TO REMAIN TO BE UTILIZED FOR NEW EXIT SIGN / EMERGENCY LIGHT
4. DISCONNECT MECHANICAL EQUIPMENT. REMOVE ASSOCIATED DISCONNECT, STARTERS, VSD, CONDUCTORS AND CONDUIT BACK TO SOURCE. CONDUIT BELOW GRADE SHALL BE CAPPED AND ABANDONED IN PLACE.
5. DISCONNECT AND REMOVE SMOKE DETECTOR. CABLING AND CONDUIT SHALL REMAIN TO BE EXTENDED TO NEW SMOKE DETECTOR
6. REMOVE IMMERSION HEATER AND ASSOCIATED CONDUCTORS AND CONDUITS BACK TO SOURCE.
7. DISCONNECT TEMPERATURE CONTROL PANEL. REMOVE ASSOCIATED CONDUCTORS AND CONDUIT BACK TO SOURCE.
8. DISCONNECT AND REMOVE DUPLEX RECEPTACLE. DEVICE BOX, CONDUIT AND CONDUCTORS SHALL REMAIN.
9. DISCONNECT AND REMOVE OVERHEAD DOOR OPERATOR AND ASSOCIATED CONDUIT, CONDUCTORS AND CABLING BACK TO SOURCE. DEVICE BOXES AND CONDUIT CONCEALED IN WALL SHALL BE ABANDONED IN PLACE. PROVIDE BLANK WALL PLATE AS REQUIRED.
10. REMOVE WALL MOUNTED LIGHT FIXTURE AND ASSOCIATED CONDUCTORS AND CONDUIT BACK TO SOURCE. DEVICE BOXES AND CONDUIT CONCEALED IN WALL SHALL BE ABANDONED IN PLACE. PROVIDE BLANK WALL PLATE AS REQUIRED.
11. DISCONNECT DUST COLLECTOR AND REMOVE CONDUCTORS AND CONDUIT TO COMBINATION MOTOR STARTER IN LAB. SALVAGE DISCONNECT SWITCH TO UTILIZED FOR RELOCATED DUST COLLECTOR.
12. DISCONNECT AND JUNCTION CONTROL CABLING SERVING SHOP EPO BUTTON. SALVAGE EPO BUTTON FOR RELOCATION.
13. DISCONNECT AND JUNCTION FIRE ALARM CABLING SERVING PULL STATION. SALVAGE PULL STATION TO BE RELOCATED.
14. DISCONNECT TOGGLE SWITCHES AND JUNCTION BRANCH CIRCUIT, AS REQUIRED, EXTEND TO NEW LOCATION OF TOGGLE SWITCHES.
15. DISCONNECT EXIT SIGN AND JUNCTION BRANCH CIRCUIT, AS REQUIRED, EXTEND TO NEW LOCATION OF EXIT SIGN.
16. REMOVE RECEPTACLE AND ASSOCIATED CONDUCTORS AND CONDUIT BACK TO SOURCE. DEVICE BOX AND CONDUIT CONCEALED IN WALL SHALL BE ABANDONED IN PLACE. PROVIDE AND INSTALL BLANK WALL PLATE ON DEVICE BOX.
17. DISCONNECT AND REMOVE EXIT SIGN AND ASSOCIATED CONDUCTORS AND CONDUITS BACK TO SOURCE. DEVICE BOX AND CONDUIT CONCEALED IN WALL SHALL BE ABANDONED IN PLACE. PROVIDE AND INSTALL BLANK WALL PLATE ON DEVICE BOX.
18. DISCONNECT AND REMOVE TOGGLE SWITCHES AND ASSOCIATED CONDUCTORS AND CONDUIT BACK TO SOURCE. DEVICE BOX AND CONDUIT CONCEALED IN WALL SHALL BE ABANDONED IN PLACE. PROVIDE AND INSTALL BLANK WALL PLATE ON DEVICE BOX.
19. DISCONNECT LIGHT SWITCH AND REMOVE. DEVICE BOX, CONDUCTORS AND CONDUITS SHALL REMAIN TO BE UTILIZED FOR NEW LIGHTING CONTROL DEVICE.
20. CONTRACTOR SHALL REMOVE OR SUPPORT LIGHT FIXTURES, AND FIRE ALARM DEVICES, AS REQUIRED, TO ALLOW FOR REMOVAL OF CEILING. CONTRACTOR SHALL RE-INSTALL LIGHTS AND FIRE ALARM DEVICES BACK INTO CEILING AFTER CEILING IS REINSTALLED.



1 *ELECTRICAL DEMOLITION PLAN - FIRST FLOOR - UNIT A*
1/8" = 1'-0"



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0 8 16 24 32 SCALE: 3/32" = 1'-0"
0 8 16 24 SCALE: 1/8" = 1'-0"
0 4 8 12 SCALE: 1/4" = 1'-0"
0 2 4 6 SCALE: 1/2" = 1'-0"
0 2 4 SCALE: 3/4" = 1'-0"
0 1 2 3 SCALE: 1" = 1'-0"

PLOT DATE/TIME:8/30/2023 9:00:59 AM
THIS MONOCHROME PRINT SHOULD DISPLAY GRAYSCALE BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

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PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	08-22-2023	Addendum #1

100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: RHA

ELECTRICAL DEMOLITION PLAN - FIRST FLOOR - UNIT A

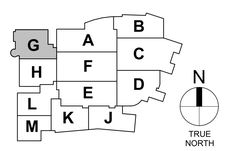
E101A

PRIMARY JOB # 22417

PLAN NOTES

1. DISCONNECT AND REMOVE ASSOCIATED SECONDARY FROM SWITCHBOARD AND REMOVE BACK TO UTILITY TRANSFORMER. CONDUITS SHALL BE ABANDONED BELOW GRADE AND CAPPED.
2. DISCONNECT MECHANICAL EQUIPMENT. REMOVE ASSOCIATED DISCONNECT, STARTERS, VSD, CONDUCTORS AND CONDUIT BACK TO SOURCE. CONDUIT BELOW GRADE SHALL BE CAPPED AND ABANDONED IN PLACE.
3. DISCONNECT FLOW AND TAMPER SWITCH CABLES AND JUNCTION, AS REQUIRED, FROM FIRE ALARM SYSTEM. MONITOR MODULES SHALL REMAIN TO BE USED FOR NEW TAMPER FLOW SWITCH FOR ZONE #7.
4. CONTRACTOR SHALL REMOVE OR SUPPORT LIGHT FIXTURES, AND FIRE ALARM DEVICES, AS REQUIRED, TO ALLOW FOR REMOVAL OF CEILING. CONTRACTOR SHALL RE-INSTALL LIGHTS AND FIRE ALARM DEVICES BACK INTO CEILING AFTER CEILING IS REINSTALLED.

1 ELECTRICAL DEMOLITION PLAN - FIRST FLOOR - UNIT G
1/8" = 1'-0"



PLOT DATE/TIME:8/30/2023 9:00:19 AM

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0 8 16 24 SCALE: 1/8" = 1'-0"
0 4 8 12 SCALE: 1/4" = 1'-0"
0 2 4 6 SCALE: 1/2" = 1'-0"
0 2 4 SCALE: 3/4" = 1'-0"
0 1 2 3 SCALE: 1" = 1'-0"

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PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: RHA

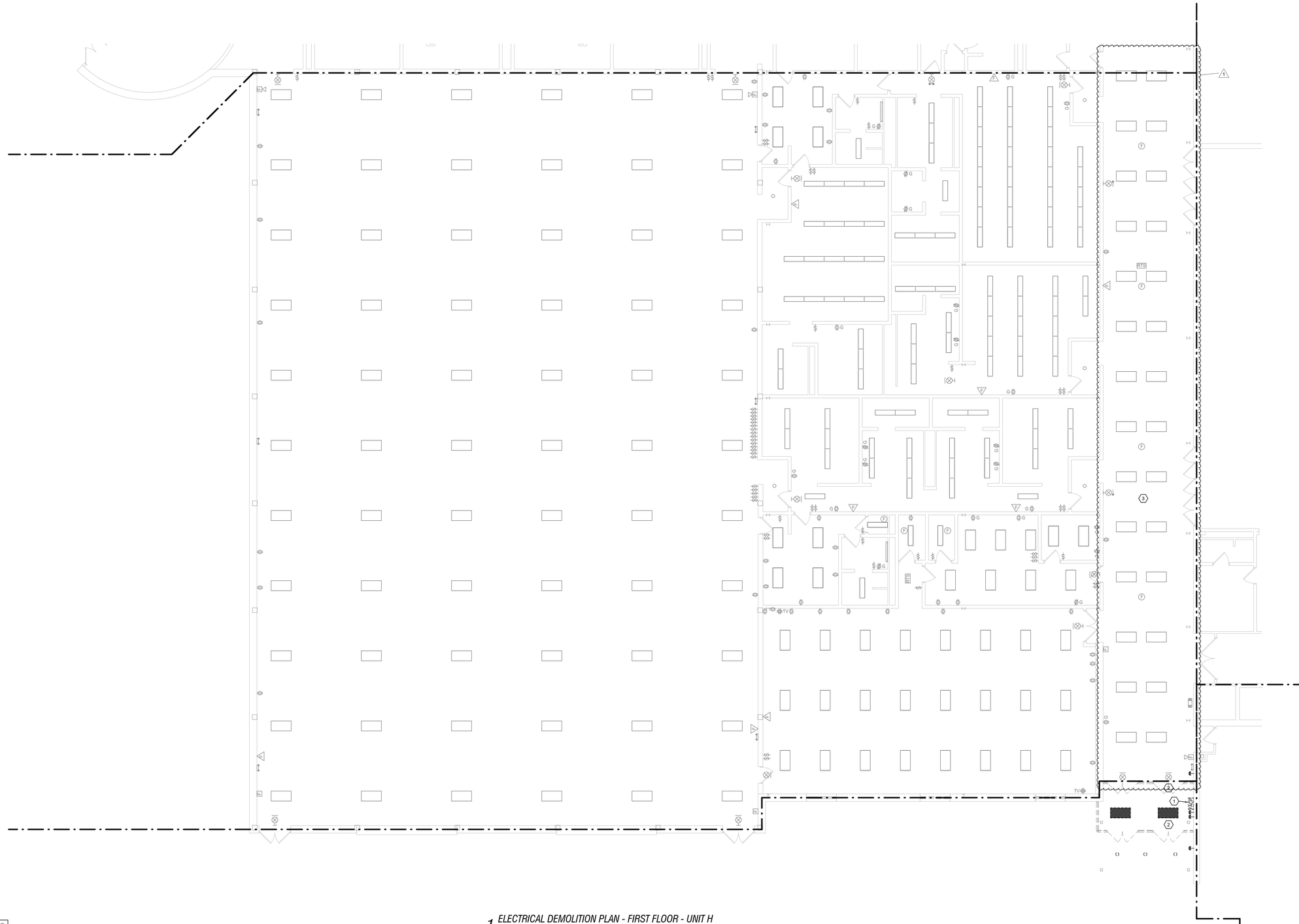
ELECTRICAL DEMOLITION PLAN - FIRST FLOOR - UNIT G

E101G

PRIMARY JOB # 22417

PLAN NOTES

1. DISCONNECT AND SALVAGE FIRE ALARM CONTROL PANEL. REMOVE ASSOCIATED CONDUCTORS AND CONDUIT BACK TO SOURCE. FIRE ALARM CABLING SHALL BE JUNCTIONED ABOVE ACCESSIBLE CEILING TO BE EXTENDED TO NEW LOCATION OF FIRE ALARM PANEL. CONTRACTOR SHALL PROTECT FIRE ALARM CONTROL PANEL DURING CONSTRUCTION.
2. DISCONNECT ADA OPERATOR. REMOVE ASSOCIATED CONDUCTORS, LOW-VOLTAGE CABLING AND CONDUIT BACK TO BACK TO SOURCE. DEVICE BOX AND CONDUIT CONCEALED IN WALL SHALL BE ABANDONED IN PLACE. PROVIDE AND INSTALL BLANK WALL PLATE ON DEVICE BOX.
3. CONTRACTOR SHALL REMOVE OR SUPPORT LIGHT FIXTURES, AND FIRE ALARM DEVICES, AS REQUIRED, TO ALLOW FOR REMOVAL OF CEILING. CONTRACTOR SHALL RE-INSTALL LIGHTS AND FIRE ALARM DEVICES BACK INTO CEILING AFTER CEILING IS REINSTALLED.



1 ELECTRICAL DEMOLITION PLAN - FIRST FLOOR - UNIT H
1/8" = 1'-0"

THIS MONOCHROME PRINT SHOULD DISPLAY GRAY BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

PLOT DATE/TIME:5/25/2023 9:05:32 AM

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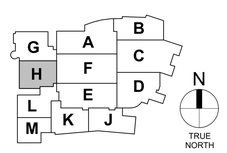
0 2 4 SCALE: 3/4" = 1'-0"
0 1 2 3 SCALE: 1" = 1'-0"



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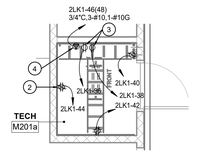
100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: RHA

ELECTRICAL DEMOLITION PLAN - FIRST FLOOR - UNIT H

E101H

PRIMARY JOB # 22417



PLAN NOTES

1. COORDINATE LOCATION, ROUGH-IN AND ELECTRICAL REQUIREMENTS WITH CONTRACTOR AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN. REFER TO EQUIPMENT SCHEDULE ON SHEET E701 FOR ADDITIONAL INFORMATION.
2. MOUNT DOUBLE DUPLEX RECEPTACLES ON PLYWOOD BACKBOARD. COORDINATE LOCATION WITH DIVISION 27 CONTRACTOR PRIOR TO ROUGH-IN. TYPICAL OF DOUBLE DUPLEX RECEPTACLES UNLESS OTHERWISE NOTED
3. MOUNT DUPLEX RECEPTACLE AS 18-24" FROM BACK SIDE OF TELECOMMUNICATION RACK TO SERVE OWNER PROVIDED NETWORK HARDWARE. COORDINATE LOCATION WITH DIVISION 27 CONTRACTOR.
4. MOUNT NEMA L6-30R RECEPTACLE AS 18-24" FROM BACK SIDE OF TELECOMMUNICATION RACK TO SERVE OWNER PROVIDED NETWORK HARDWARE. COORDINATE LOCATION WITH DIVISION 27 CONTRACTOR. COORDINATE NEMA CONFIGURATION WITH OWNER.
5. PROVIDE AND INSTALL FSR PBW-250-2KO-BX BACK BOX TO MOUNT DOUBLE DUPLEX RECEPTACLE. BOX TO BE MOUNTED AT +72" TO BOTTOM OF WALL BOX. COORDINATE LOCATION WITH MOUNTING BRACKET/BLOCKING AND ARCHITECTURAL ELEVATION PRIOR TO ROUGH-IN. COVER COLOR SHALL BE SELECTED BY ARCHITECT.

2 ENLARGED POWER PLAN - RM. M201A
1/4" = 1'-0"

1 POWER PLAN - SECOND FLOOR - UNIT M
1/8" = 1'-0"

PLOT DATE/TIME:8/30/2023 9:00:47 AM

THIS MONOCHROME PRINT SHOULD DISPLAY GRAYSCALE BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

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

0 8 16 24 32
SCALE: 3/32" = 1'-0"

0 8 16 24
SCALE: 1/8" = 1'-0"

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

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

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SCALE: 3/4" = 1'-0"

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CLARK-PLEASANT COMMUNITY SCHOOLS CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN STREET, WHITELAND, IN 46184

ANDREW STEPHEN LOUDERBACK
PE11700017

REVISIONS:

#	Date	Desc.

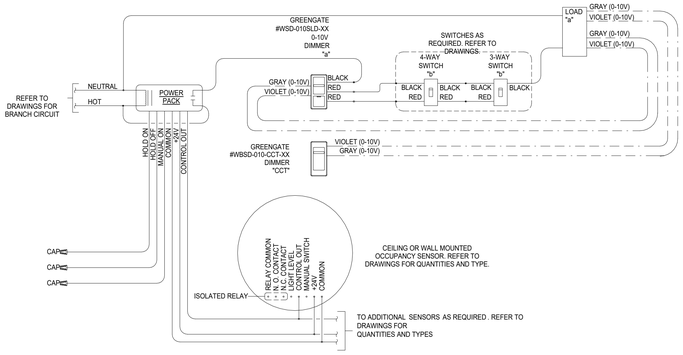
100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: RHA

POWER PLAN - SECOND FLOOR - UNIT M

E202M

PRIMARY JOB # 22417

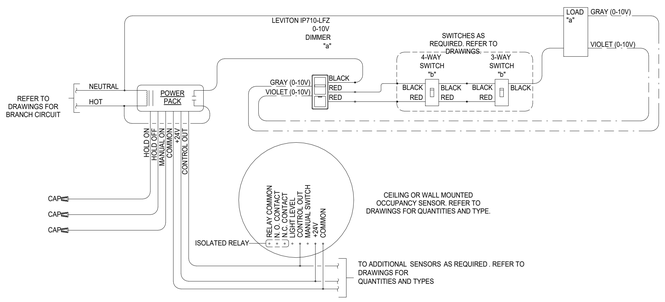


CONTROL AND OPERATION NOTES:

1. INSTALLATION SHALL PROVIDE AUTOMATIC "ON" AND AUTOMATIC "OFF" OPERATION WITH MANUAL OVERRIDE .
2. LOW VOLTAGE CABLING SHALL BE MIN #18 AWG CONDUCTORS.
3. PROVIDE AND INSTALL SECONDARY POWER PACKS, AS REQUIRED, TO PROVIDE ADDITIONAL 24VDC POWER FOR SENSORS AND SWITCHES.
4. CCT DIMMER SHALL BE GREENGATE TYPE ONLY. NO SUBSTITUTION PERMITTED.

1 TYPICAL CLASSROOM OCCUPANCY SENSOR WITH 0-10V DIMMING AND CORRELATED COLOR TEMPERATURE (CCT) CONTROL

NOT TO SCALE



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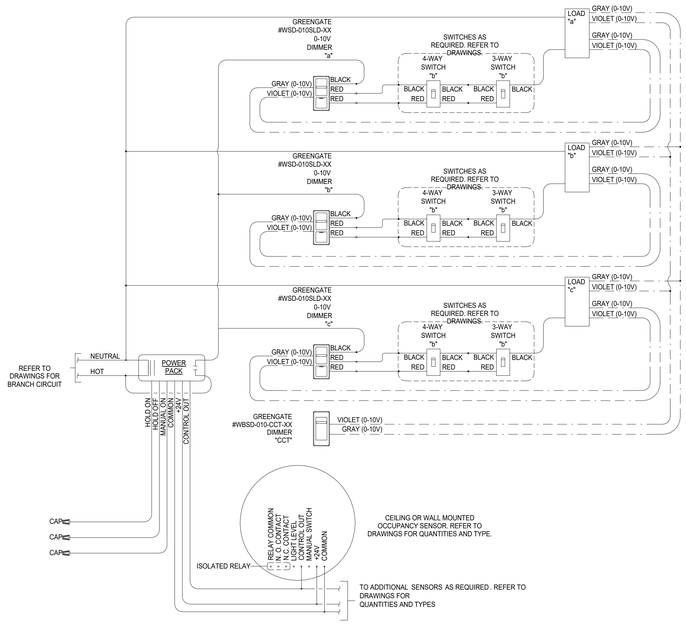
4. CCT DIMMER SHALL BE GREENGATE TYPE ONLY. NO SUBSTITUTION PERMITTED.

2 OCCUPANCY SENSOR WIRING DIAGRAM WITH DIMMING MANUAL OVERRIDE SWITCH

NOT TO SCALE



CONTROL AND OPERATION NOTES:

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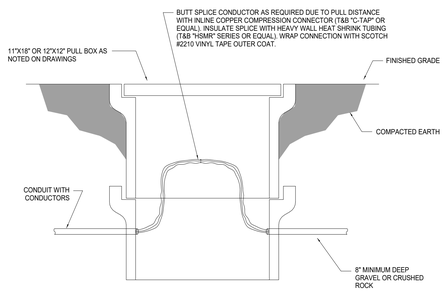
2. LOW VOLTAGE CABLING SHALL BE MIN #18 AWG CONDUCTORS.
3. PROVIDE AND INSTALL SECONDARY POWER PACKS, AS REQUIRED, TO PROVIDE ADDITIONAL 24VDC POWER FOR SENSORS AND SWITCHES.

3 TYPICAL SCIENCE LAB OCCUPANCY SENSOR WITH 0-10V DIMMING AND CORRELATED COLOR TEMPERATURE (CCT) CONTROL

NOT TO SCALE

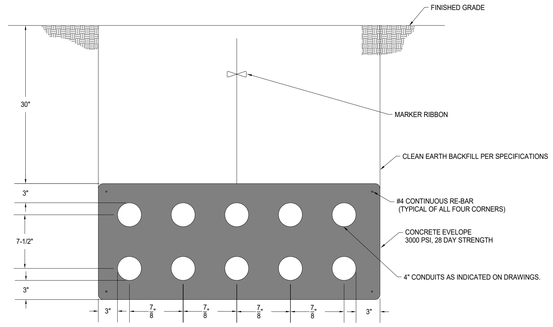
4 36" RAISED POLE BASE DETAIL

NOT TO SCALE



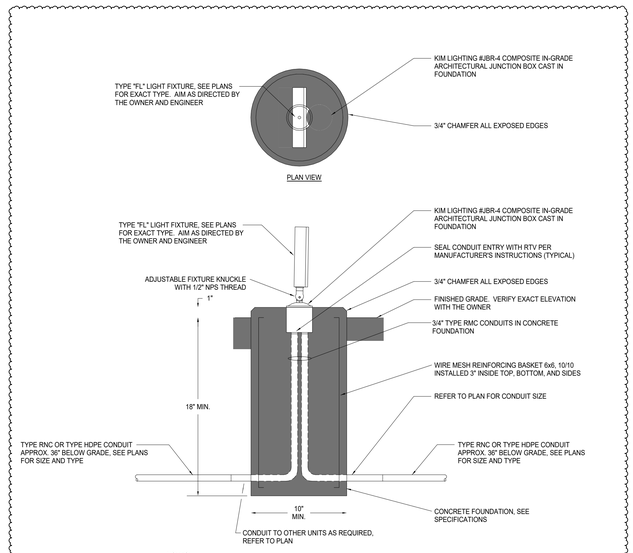
5 PULL BOX/SPLICE DETAIL

NOT TO SCALE



6 4X3 SERVICE ENTRANCE DUCT BANK

NOT TO SCALE



NOTES:

1. ALL EXPOSED CONCRETE SHALL BE HAND RUBBED FINISH.
2. TOP SHALL HAVE SLIGHT CROWN FOR DRAINAGE.
3. INSTALL JUNCTION BOX PER MANUFACTURER'S INSTRUCTIONS.

7 FLOODLIGHT (TYPE "FL") FOUNDATION DETAIL

NOT TO SCALE

PLOT DATE/TIME 8/30/2023 9:00:06 AM

THIS MONOCHROME PRINT SHOULD DISPLAY GRAYSCALE BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
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WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN STREET, WHITELAND, IN 46184

REVISIONS:

#	Date	Desc.
1	08-22-2023	Addendum #1

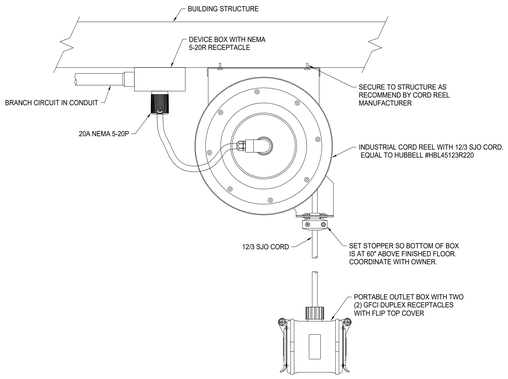
100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: RHA

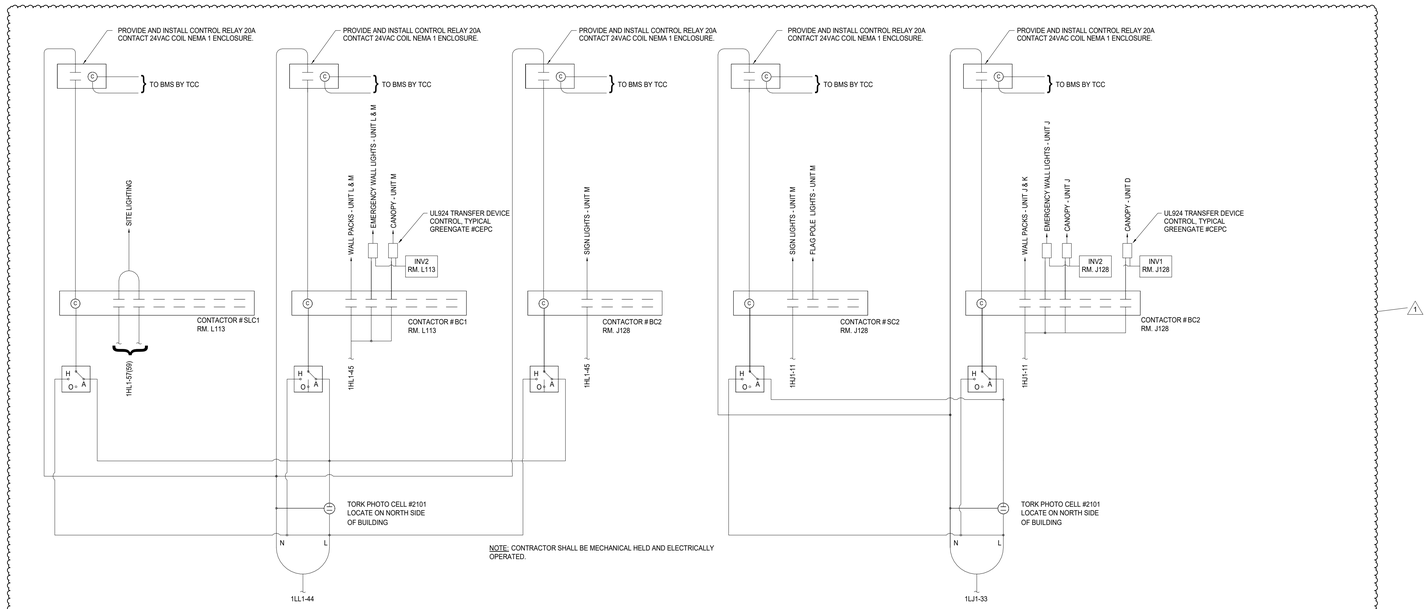
DETAILS

E503

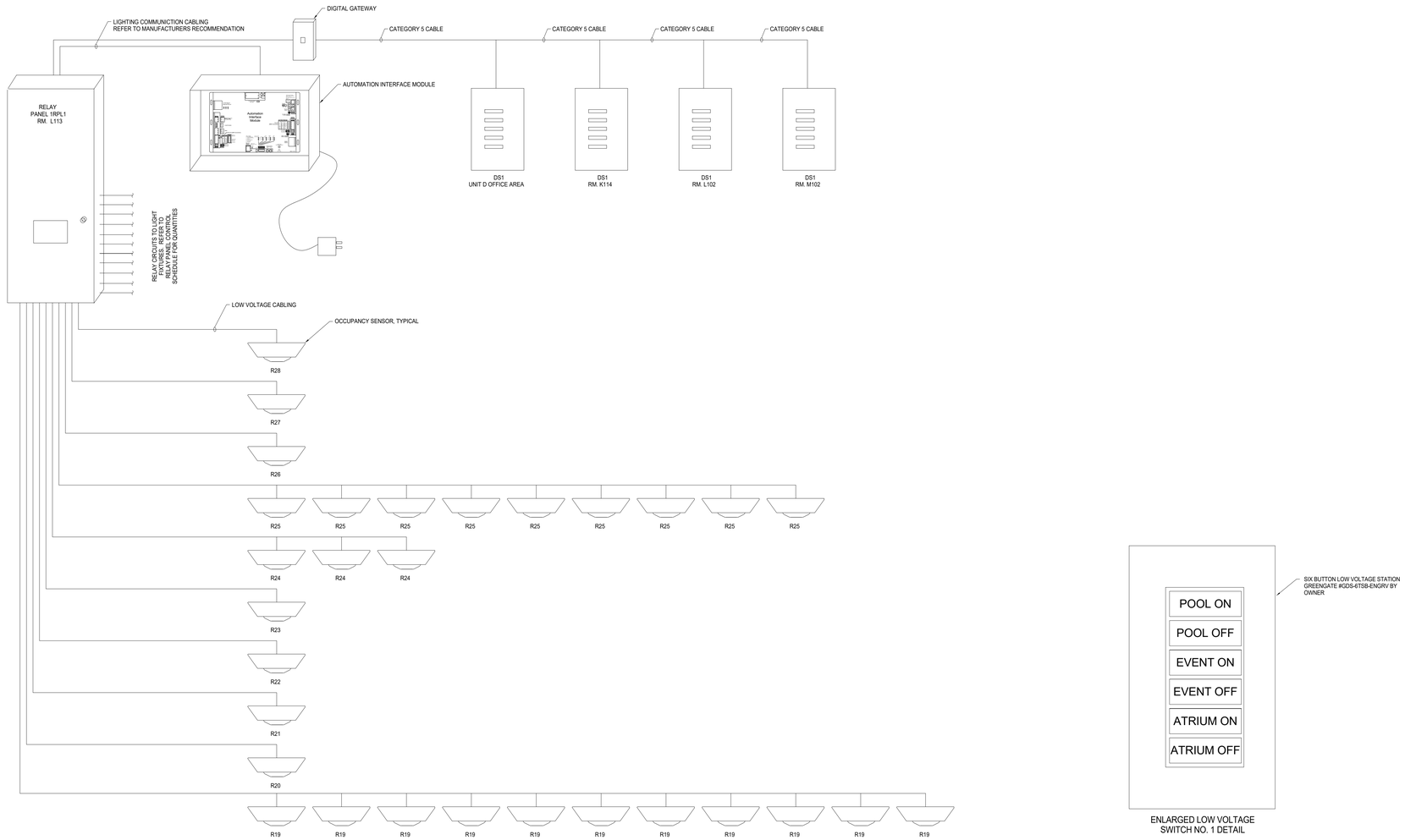
PRIMARY JOB # 22417



1 CORD REEL MOUNTING DETAIL
NOT TO SCALE



2 EXTERIOR SITE LIGHTING CONTROL DIAGRAM
NOT TO SCALE



NOTE: CONTRACTOR SHALL PROVIDE POWER PACKS AS REQUIRED TO ACCOMMODATE SENSOR QUANTITIES INDICATED.

ENLARGED LOW VOLTAGE SWITCH NO. 1 DETAIL

PLOT DATE/TIME:5/20/2023 9:01:09 AM

THIS MONOCHROME PRINT SHOULD DISPLAY GRAYSCALE BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

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REVISIONS:

#	Date	Desc.
1	08-22-2023	Addendum #1

100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: RHA

DETAILS

E504

PRIMARY JOB # 22417

EQUIPMENT SCHEDULE

EQUIPMENT DESIGNATION	EQUIPMENT LOCATION	EQUIPMENT LOAD	VOLTAGE/PHASE	CIRCUIT INFORMATION		DISCONNECT					EQUIPMENT MOUNTED CONTROL PANEL	VARIABLE FREQUENCY/SPEED DRIVE (VFD/VSD)		SOLID STATE MOTOR STARTER							REMARKS
				CONDUIT AND CONDUCTOR SIZE	BRANCH CIRCUIT DESIGNATION	PROVIDED BY	FUSED OR NON-FUSED	NEMA ENCLOSURE	DISCONNECT SWITCH SIZE	FUSE RATING		PROVIDED BY	INSTALLED BY	PROVIDED BY	NEMA SIZE	CONTROL	TYPE	DISCONNECT SWITCH SIZE	FUSE RATING	NEMA ENCLOSURE	
HP-J2.10	RM. J214	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-26(38,30)	INT															
HP-J2.11	RM. J216	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-31(33,35)	INT															
HP-J2.12	RM. J209	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-32(34,36)	INT															
HP-J2.13	RM. J211	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-37(39,41)	INT															
HP-J2.14	RM. J211	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-38(40,42)	INT															
HP-J2.15	RM. J232	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-43(45,47)	INT															
HP-K2.01	RM. K01	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-1(3,5)	INT															
HP-K2.02	RM. K202	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-2(4,6)	INT															
HP-K2.03	RM. K204	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-7(,9,11)	INT															
HP-K2.04	RM. K2000	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-8(10,12)	INT															
HP-K2.05	RM. K2000	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-13(15,17)	INT															
HP-K2.06	R,M. K203	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-14(16,18)	INT															
HP-K2.07	RM. KL205	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-19(21,23)	INT															
HP-K2.08	RM. K206	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-20(22,24)	INT															
HP-K2.09	RM. K208	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-25(27,29)	INT															
HP-K2.10	RM. K207	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-26(38,30)	INT															
HP-K2.11	RM. K209	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-31(33,35)	INT															
HP-K2.12	RM. K210	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-32(34,36)	INT															
HP-K2.13	RM. K212	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-37(39,41)	INT															
HP-K2.14	RM. K211	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-38(40,42)	INT															
HP-K2.15	RM. K2000	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-43(45,47)	INT															
HP-L2.01	RM. L2000	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HL1-1(3,5)	INT															
HP-L2.02	RM. L208	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HL1-2(4,6)	INT															
HP-L2.03	RM. L203	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HL1-7(9,11)	INT															
HP-L2.04	RM. L204	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HL1-8(10,12)	INT															
HP-L2.05	RM. L2000	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HL1-13(15,17)	INT															
HP-L2.06	RM. L201	10.9 MCA	208V/1PH	3/4"C,3-#12,1-#12G	2LL1-36(38)	INT															9
HP-M2.01	RM. M203	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HK1-49(51,53)	INT															
~~HP-M2.02~~	~~RM. M201~~	~~9.8 MCA~~	~~480V/3PH~~	~~3/4"C,3-#12,1-#12G~~	~~2HK1-44(46,48)~~	~~INT~~															
HP-J3.01	RM. J300	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-1(3,5)	INT															
HP-J3.02	RM. J301	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-2(4,6)	INT															
HP-J3.03	RM. J303	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-7(,9,11)	INT															
HP-J3.04	RM. J302	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-8(10,12)	INT															
HP-J3.05	RM. J304	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-13(15,17)	INT															
HP-J3.06	RM. J3200	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-14(16,18)	INT															
HP-J3.07	RM. J322	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-19(21,23)	INT															
HP-J3.08	RM. ST301	10.9 MCA	208V/1PH	3/4"C,3-#12,1-#12G	3LJ3-50(52)	INT															9
HP-J3.09	RM. J305	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-25(27,29)	INT															
HP-J3.10	RM. J307	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-20(22,24)	INT															
HP-J3.11	RMN. J314	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-31(33,35)	INT															
HP-J3.12	RM. J316	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-26(28,30)	INT															
HP-J3.13	RM. J309	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-37(39,41)	INT															
HP-J3.14	RM. J313	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-32(34,36)	INT															
HP-J3.15	RM. J3200	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-43(45,47)	INT															
HP-J3.16	RM. J234	56.7 MCA	480V/3PH	SEE RISER DIAGRAM ON E602	SEE RISER	INT															
HP-J3.17	RM. J324	56.7 MCA	480V/3PH	SEE RISER DIAGRAM ON E602	SEE RISER	INT															
HP-J3.18	RM. J324	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-38(40,42)	INT															
HP-J3.19	RM. J315	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-49(51,53)	INT															
HP-J3.20	RM. J317	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	3HK1-38(40,42)	INT															
HP-K3.01	RM. K302	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-1(3,5)	INT															
HP-K3.02	RM. K3000	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-2(4,6)	INT															
HP-K3.03	RM. K3000	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-7(,9,11)	INT															
HP-K3.04	RM. K301	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-8(10,12)	INT															
HP-K3.05	RM. K303	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-13(15,17)	INT															
HP-K3.06	RM. K304	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-14(16,18)	INT															
HP-K3.07	RM. K306	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-19(21,23)	INT															
HP-K3.08	RM. K305	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-20(22,24)	INT															
HP-K3.09	RM. K308	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-25(27,29)	INT															
HP-K3.10	RM. K310	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-26(38,30)	INT															
HP-K3.11	RM. K307	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-31(33,35)	INT															
HP-K3.12	RM. RM. K3000	9.8 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-32(34,36)	INT															
HP-L3.01	RM. L3000	7.9 MCA	480V/3PH	3/4",3-#12,1-#12G	3HL1-1(3,5)	INT															
HP-L3.02	RM. L303	10.9 MCA	208V/1PH	3/4",3-#12,1-#12G	3LL1-28(30)	INT															
HP-L3.03	RM. L301	11.6 MCA	480V/3PH	3/4",2-#12,1-#12G	3HL1-2(4,6)	INT															
HP-M3.01	RM. 302	11.6 MCA	480V/3PH	3/4",3-#12,1-#12G	3HL1-7(9,11)	INT															
HP-M3.02	RM. ST302	10.9 MCA	208V/1PH	3/4",2-#12,1-#12G	3LK1-32(34)	INT															
HP-M3.03	RM. M301	13.0 MCA	480V/3PH	3/4",3-#12,1-#12G	3HK1-37(39,41)	INT															
HS-1.1	RM. A114A	1.0 FLA	120V/1PH	3/4"C,2-#12,1-#12G	1LA1-5	EC	NF	1	20A												
HS-1.2	RM. A114A	1.0 FLA	120V/1PH	3/4"C,2-#12,1-#12G	1LA1-5	EC	NF	1	20A												
HS-2.1	RM. A114A	1.0 FLA	120V/1PH	3/4"C,2-#12,1-#12G	1LA1-7	EC	NF	1	20A												
HS-2.2	RM. A114A	1.0 FLA	120V/1PH	3/4"C,2-#12,1-#12G	1LA1-7	EC	NF	1	20A												
HWRP-1	RM. G100	3.0 HP	480V/3PH	3/4"C,3-#12,1-#12G	HPB-33(35,374)									EC	0	HOA	FVNR	30A	8A		7
HWRP-2	RM. G100	3.0 HP	480V/3PH	3/4"C,3-#12,1-#12G	HPB-33(35,37)									EC	0	HOA	FVNR	30A	8A		7
P-1	RM. A114	25 HP	480V/3PH	1-1/4"C,3-#4,1-#8G	HPA-(1.3.5)							MC	EC								5,6
P-2	RM. A114	25 HP	480V/3PH	1-1/4"C,3-#4,1-#8G	HPA-2(4,6)							MC	EC								5,6
P-3	RM. A114	25 HP	480V/3PH	1-1/4"C,3-#4,1-#8G	HPA-7(9,11)							MC	EC								5,6
P-4	RM. A114	25 HP	480V/3PH	1-1/4"C,3-#4,1-#8G	HPA-8(10,12)							MC	EC								5,6
P-5	RM. A114	40 HP	480V/3PH	1-1/4"C,3-#3,1-#8G	HPA-13(15,17)							MC	EC								1,6
P-6	RM. A114	40 HP	480V/3PH	1-1/4"C,3-#3,1-#8G	HPA-14(16,18)							MC	EC								1,6
P-7	RM. A114	40 HP	480V/3PH	1-1/4"C,3-#3,1-#8G	HPA-19(21,23)							MC	EC								1,6
P-8	RM. J324	10 HP	480V/3PH	3/4"C,3-#10,1-#10G	3HJ2-44(46,48)							MC	EC								6
P-9	RM. J324	10 HP	480V/3PH	3/4"C,3-#10,1-#10G	3HJ2-50(52,54)							MC	EC								6
P-10	RM. J324	5.0 HP	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-56(58,60)							MC	EC								6
P-11	RM. J324	5.0 HP	480V/3PH	3/4"C,3-#12,1-#12G	3HJ2-55(57,59)							MC	EC								6
PH-1	RM. M101	15 MCA	120V/1PH	3/4"c,2-#12,1-#12G	1LK1-49	EC	NF	1	20A												
PHP-1	RM. M101	3.0 HP	480V/3PH	3/4"C,3-#12,1-#12G	1HM1-20(22,24)	EC	NF	4X	30												
PP1	RM. M101	40 HP	480V/3PH	1-1/4"C,3-#3,1-#8G	1HM1-13(15,17)							PEC	EC								
PP2	RM. M101	40 HP	480V/3PH	1-1/4"C,3-#3,1-#8G	1HM1-14(16,18)							PEC	EC								
PP3	RM. M101	1.5 HP	480V/3PH	3/4"C,3-#12,1-#12G	1HM1-19(21,23)									EC	0	HOA	FVNR	30A	6A	4X	
TF-K1	RM. K111	1/4 HP	120V/1PH	3/4"C,2-#12,1-#12G	1KL1-46	INT															
TF-L1	RM. L1000	1/4 HP	120V/1PH	3/4"C,2-#12,1-#12G	1LL1-40	INT															
TF-J1	RM. J138	1/4 HP	120V/1PH	3/4"C,2-#12,1-#12G	LS-26	INT															10
~~TF-J2~~	~~RM. K3000~~	~~1/4 HP~~	~~120V/1PH~~	~~3/4"C,2-#12,1-#12G~~	~~3LJ1-19~~	~~INT~~															
TF-M1	**RM. K2001**	**1/4 HP**	**120V/1PH**	**3/4"C,2-#12,1-#12G**	**2LK1-58**	**INT**															
U1	RM. M101	12.0 KW	480V/3PH	3/4"C,3-#10,1-#10G	1HM1-8(10,12)						INT										
UH-M1	RM. 101A	2.0 KW	208V/1PH	3/4"C,2-#12,1-#12G	1LK1-49(51)	INT															
VAV-1	RM. L104	1.0 KW	120V/1PH	3/4"C,2-#12,1-#12G	1LL1-34	EC	NF	1	20A												
VAV-2	RM. M102	1.0 KW	120V/1PH	3/4"C,2-#12,1-#12G	1LK1-49	EC	NF	1	20A												

SCHEDULE ABBREVATIONS

A	AMPACITY	HL	HIGH/LOW SWITCH	MCA	MIN CIRCUIT AMPACITY	W	WATTS
EC	ELECTRICAL CONTRACTOR	HLO	HIGH/LOW/OFF SWITCH	MHL	MOMENTARY HIGH/LOW SWITCH	XA/YP	X AMP CIRCUIT BREAKER, Y POLE
EX	EXISTING EQUIPMENT	HOA	HAND/OFF/AUTO	MHLO	MOMENTARY HIGH/LOW/OFF SWITCH		
F	FUSED	HP	HORSE POWER	NF	NON-FUSED		
FLA	FULL LOAD AMPS	INT	INTEGRAL WITH EQUIPMENT	PEC	POOL EQUIPMENT CONTRACTOR		
FVNR	FULL VOLTAGE NON-REVERSING	LOR	LOCAL/OFF REMOTE SWITCH	O	OWNER FURNISHED AND INSTALLED		
FVR	FULL VOLTAGE REVERSING	M	MOMENTARY ON/OFF SWITCH	RLA	RUNNING LOAD AMPS		
G	GENERAL CONTRACTOR	MC	MECHANICAL CONTRACTOR	S	ON/OFF SWITCH		

REMARKS

EQUIPMENT SCHEDULE

EQUIPMENT DESIGNATION	EQUIPMENT LOCATION	EQUIPMENT LOAD	VOLTAGE/PHASE	CIRCUIT INFORMATION		DISCONNECT					EQUIPMENT MOUNTED CONTROL PANEL	VARIABLE FREQUENCY/SPEED DRIVE (VFD/VSD)		SOLID STATE MOTOR STARTER							REMARKS
				CONDUIT AND CONDUCTOR SIZE	BRANCH CIRCUIT DESIGNATION	PROVIDED BY	FUSED OR NON-FUSED	NEMA ENCLOSURE	DISCONNECT SWITCH SIZE	FUSE RATING		PROVIDED BY	INSTALLED BY	PROVIDED BY	NEMA SIZE	CONTROL	TYPE	DISCONNECT SWITCH SIZE	FUSE RATING	NEMA ENCLOSURE	
B-1	RM. A114	22.0 FLA	480V/3PH	3/4"C, 3-#10,1-#10G	HPA-25(27,29)																2,8
B-2	RM. A114	22.0 FLA	480V/3PH	3/4"C, 3-#10,1-#10G	HPA-20(22,24)																2,8
B-3	RM. A114	22.0 FLA	480V/3PH	3/4"C, 3-#10,1-#10G	HPA-31(33,35)																2,8
B-4	RM. A114	22.0 FLA	480V/3PH	3/4"C, 3-#10,1-#10G	HPA-26(28,30)																2,8
CF1	RM. M101A	15 MCA	120V/1PH	3/4"C,2-#12,1-#12G	1LK1-42						INT										11
CF2	RM. M101A	15 MCA	120V/1PH	3/4"C,2-#10,1-#10G	1LK1-44						INT										11
CT-1	RM. A114A	(2) 75 HP	480V/3PH	SEE RISER DIAGRAM ON E601	MDP1						INT										3,6
CT-2	RM. A114A	(2)75 HP	480V/3PH	SEE RISER DIAGRAM ON E601	MDP1						INT										3,6
CT-1	RM. A114A	(2) - 10KW	480V/3PH	3/4"C,3-#10,1-#10G	HPA-37(39,41)	EC	NF	1	30A												2
CT-2	RM. A114A	(2) - 10KW	480V/3PH	3/4"C,3-#10,1-#10G	HPA-32(34,26)	EC	NF	1	30A												2
CTP-1	RM. A114	60 HP	480V/3PH	SEE RISER DIAGRAM ON E601	MDP1							MC	EC								4,6
CTP-2	RM. A114	60 HP	480V/3PH	SEE RISER DIAGRAM ON E601	MDP1							MC	EC								4,6
DHU-1	UNIT L ROOF	247.8 MCA	480V/3PH	SEE RISER DIAGRAM ON E602	MDP2	INT															
DHU-2	UNIT L ROOF	247.8 MCA	480V/3PH	SEE RISER DIAGRAM ON E602	MDP2	INT															
DOAS-1	UNIT K ROOF	15.0 HP	480V/3PH	SEE RISER DIAGRAM ON E602	3HK3-7	INT															
DOAS-2	UNIT L ROOF	58.6 MCA	480V/3PH	1-1/4"C,3-#1,1-#8G	3HL1-2(4,6)	INT															
DBP-1	RM. 910	(4) - 15 HP	480V/3PH	SEE RISER DIAGRAM ON E602	MDP2						INT										
EF-A1	RM. A114	1.0 HP	120V/1PH	3/4"C,2-#10,1-#10G	1LA1-19	INT															
EF-J1	RM. J1300	3/4 HP	120V/1PH	3/4"C,2-#10,1-#10G	1LJ1-29	INT															
EF-J2	RM. J222	3/4 HP	120V/1PH	3/4"C,2-#10,1-#10G	2LJ1-24	INT															
EF-J3	RM. J324	3/4 HP	120V/1PH	3/4"C,2-#10,1-#10G	3LJ1-38	INT															
EF-J4	UNIT J ROOF	1/2 HP	120V/1PH	3/4"C,2-#12,1-#12G	3LJ2-72	INT															
EF-J5	UNIT J ROOF	1/2 HP	120V/1PH	3/4"C,2-#12,1-#12G	3LJ2-70	INT															
EF-J6	UNIT J ROOF	1/2 HP	120V/1PH	3/4"C,2-#12,1-#12G	3LJ2-68	INT															
EF-J7	RM. J313	28 WATTS	120V/1PH	3/4"C,2-#12,1-#12G	3LJ2-61	INT															
EF-K1	UNIT K ROOF	1/2 HP	120V/1PH	3/4"C,2-#12,1-#12G	3LK2-53	INT															
EF-K2	UNIT K ROOF	1/2 HP	120V/1PH	3/4"C,2-#12,1-#12G	3LK2-55	INT															
EF-K3	UNIT K ROOF	1/2 HP	120V/1PH	3/4"C,2-#12,1-#12G	3LK2-57	INT															
EF-K4	UNIT K ROOF	1/2 HP	120V/1PH	3/4"C,2-#12,1-#12G	3LJ2-66	INT															
EF-K5	RM. K305	28 WATTS	120V/1PH	3/4"C,2-#12,1-#12G	3LK2-59	INT															
EF-M1	RM. M101	1/2 HP	120V/1PH	3/4"C,2-#12,1-#12G	1LK1-34	INT															
EF-M2	RM. M101	3/4 HP	120V/1PH	3/4"C,2-#10,1-#10G	1LK1-36	INT															
GFS-1	RM. J324	3/4 HP	120V/1PH	3/4"C,2-#10,1-#10G	3LJ1-34	EC	NF	1	30A					INT							
GFS-2	RM. J324	3/4 HP	120V/1PH	3/4"C,2-#10,1-#10G	3LJ1-36	EC	NF	1	30A					INT							
GWH-3	RM. G100	9.4 FLA	120V/1PH	3/4"C,2-#12,1-#12G	LD-34	EC	NF	1	20A												
HP-1	RM. J324	79.4 FLA	480V/3PH	SEE RISER	3HJ3-1	INT															
HP-2	RM. J324	79.4 FLA	480V/3PH	SEE RISER	3HJ3-2	INT															
HP-3	RM. J324	79.4 FLA	480V/3PH	SEE RISER	3HJ3-3	INT															
HP-4	RM. J324	79.4 FLA	480V/3PH	SEE RISER	3HJ3-4	INT															
HP-5	RM. J324	79.4 FLA	480V/3PH	SEE RISER	3HJ3-5	INT															
HP-6	RM. J324	79.4 FLA	480V/3PH	SEE RISER	3HJ3-6	INT															
HP-J1.01	RM. J1100A	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-1(3,5)	INT															
HP-J1.02	RM. J101	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-2(4,6)	INT															
HP-J1.03	RM. J103	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-7(,9,11)	INT															
HP-J1.04	RM. J102	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-8(10,12)	INT															
HP-J1.05	RM. J104	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-13(15,17)	INT															
HP-J1.06	RM. J1100	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-14(16,18)	INT															
HP-J1.07	RM. J1300	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-19(21,23)	INT															
HP-J1.08	RM. ST101	10.9 MCA	208V/1PH	3/4"C,2-#12,1-#12G	1LJ2-35(37)	INT															9
HP-J1.09	RM. J1000A	13.0 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-25(27,29)	INT															
HP-J1.10	RM. J1000A	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-20(22,24)	INT															
HP-J1.11	RM. J105	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-31(33,35)	INT															
HP-J1.12	RM. J107	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-26(2,30)	INT															
HP-J1.13	RM. J114	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-37(39,41)	INT															
HP-J1.14	RM. J116	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-32(34,36)	INT															
HP-J1.15	RM. J109	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-43(45,47)	INT															
HP-J1.16	RM. J111	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-38(40,42)	INT															
HP-J1.17	RM. J111	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-49(51,53)	INT															
HP-J1.18	RM. J128	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-44(46,48)	INT															
HP-J1.19	RM. J128	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HJ2-55(57,59)	INT															
HP-K1.01	RM. K101	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-1(3,5)	INT															
HP-K1.02	RM. K102	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-2(4,6)	INT															
HP-K1.03	RM. K104	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-7(,9,11)	INT															
HP-K1.04	RM. K1100	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-8(10,12)	INT															
HP-K1.05	RM. K1100	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-13(15,17)	INT															
HP-K1.06	RM. K103	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-14(16,18)	INT															
HP-K1.07	RM. K105	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-19(21,23)	INT															
HP-K1.08	RM. K106	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-20(22,24)	INT															
HP-K1.09	RM. K108	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-25(27,29)	INT															
HP-K1.10	RM. K107	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-26(38,30)	INT															
HP-K1.11	RM. K1109	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-31(33,35)	INT															
HP-K1.12	RM. K110	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-32(34,36)	INT															
HP-K1.13	RM. K112	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-37(39,41)	INT															
HP-K1.14	RM. K111	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HK1-38(40,42)	INT															
HP-K1.15	RM. K114	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HM1-37(39,41)	INT															
HP-L1.01	RM. L1000A	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HM1-25(27,29)	INT															
HP-L1.02	RM. L1000	13.0 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HM1-26(28,30)	INT															
HP-L1.03	RM. L117	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HM1-31(33,35)	INT															
HP-M1.01	RM. M101	11.6 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HM1-1(3,5)	INT															
HP-M1.02	RM. M1000A	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HM1-2(4,6)	INT															
HP-M1.03	RM. M1000	11.6 MCA	480V/3PH	3/4"C,3-#12,1-#12G	1HM1-7(9,11)	INT															
HP-J2.01	RM. J200	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-1(3,5)	INT															
HP-J2.02	RM. J201	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-2(4,6)	INT															
HP-J2.03	RM. J203	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-7(,9,11)	INT															
HP-J2.04	RM. J202	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-8(10,12)	INT															
HP-J2.05	RM. J204	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-13(15,17)	INT															
HP-J2.06	RM. J220	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-14(16,18)	INT															
HP-J2.07	RM. J220	7.9 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-19(21,23)	INT															
HP-J2.08	RM. J205	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-20(22,24)	INT															
HP-J2.09	RM. J207	9.8 MCA	480V/3PH	3/4"C,3-#12,1-#12G	2HJ2-25(27,29)	INT															

SCHEDULE ABBREVATIONS

A	AMPACITY	HL	HIGH/LOW SWITCH	MCA	MIN CIRCUIT AMPACITY	W	WATTS
EC	ELECTRICAL CONTRACTOR	HLO	HIGH/LOW/OFF SWITCH	MHL	MOMENTARY HIGH/LOW SWITCH	XA/YP	X AMP CIRCUIT BREAKER, Y POLE
EX	EXISTING EQUIPMENT	HOA	HAND/OFF/AUTO	MHLO	MOMENTARY HIGH/LOW/OFF SWITCH		
F	FUSED	HP	HORSE POWER	NF	NON-FUSED		
FLA	FULL LOAD AMPS	INT	INTEGRAL WITH EQUIPMENT	PEC	POOL EQUIPMENT CONTRACTOR		
FVNR	FULL VOLTAGE NON-REVERSING	LOR	LOCAL/OFF REMOTE SWITCH	O	OWNER FURNISHED AND INSTALLED		
FVR	FULL VOLTAGE REVERSING	M	MOMENTARY ON/OFF SWITCH	RLA	RUNNING LOAD AMPS		
G	GENERAL CONTRACTOR	MC	MECHANICAL CONTRACTOR	S	ON/OFF SWITCH		

REMARKS.

1. PROVIDE AND INSTALL NEW 90A/3P CIRCUIT BREAKER TO REPLACE EXISTING CIRCUIT BREAKER IN EXISTING SIEMENS PANEL
2. CONNECT BRANCH CIRCUIT TO EXISTING SPARE CIRCUIT BREAKER IN LOCATION AS INDICATED.
3. TERMINATE EACH COOLING TOWER MOTOR TO EXISTING SPARE 200A/3P FUSIBLE SWITCH IN MDP1 AS INDICATED. REFER TO DRAWING E601 FOR ADDITIONAL INFORMATION.
4. REMOVE EXISTING TWIN 60A/3P FUSIBLE SWITCH IN EXISTING MDP1 AND PROVIDE NEW 100A/3P TWIN TO SERVE NEW COOLING TOWER PUMPS. REFER TO DRAWING E601 FOR ADDITIONAL INFORMATION.
5. PROVIDE AND INSTALL NEW 70A/3P CIRCUIT BREAKER TO REPLACE EXISTING CIRCUIT BREAKER IN EXISTING SIEMENS PANEL
6. CONTRACTOR SHALL PROVIDE CONDUCTORS IN CONDUIT FROM VSD TO MOTOR.
7. PROVIDE AND INSTALL NEW 30A/3P CIRCUIT BREAKER TO REPLACE EXISTING CIRCUIT BREAKER IN EXISTING SIEMENS PANEL
8. CIRCUIT SHALL BE ROUTED THROUGH CONTACTORS FOR EMERGENCY SHUT-OFF. REFER TO DETAIL #1 ON SHEET E501 FOR ADDITIONAL INFORMATION.
9. CONNECT CONDESNATE PUMP ON LINE SIDE OF DISCONNECT ON UNIT.
10. PROVIDE AND INSTALL NEW 20A/1P CIRCUIT BREAKER IN EXISTING SIEMENS PANEL
11. CHEMICAL FEEDER CIRCUIT SHALL BE ROUTED THROUGH CHEMICAL CONTROLLER. REFER TO AQ600 FOR ADDITIONAL INFORMATION.

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PE11700017

REVISIONS:

#	Date	Desc.
1	08-22-2023	Addendum #1

100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: RHA

SCHEDULES

E701

PRIMARY JOB # 22417

PLOT DATE/TIME:8/30/2023 9:01:16 AM

THIS MONOCHROME PRINT SHOULD DISPLAY GRAYSCALE BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

LIGHT FIXTURE SCHEDULE

TAG	MANUFACTURER'S CATALOG NUMBER	MAX. WATTS	MOUNT	MIN. LUMEN OUTPUT *(D/I)	CCT	CRI	DESCRIPTION	REMARKS
L12	LUMENWERX #VIA4W-DI-ARO2-FH-ARO-SW-80-1200-750-40-8FT-UNV-D1-1C LITECONTROL #4L-M-IAD-LPAD-8-8-SOF-C1-40K-I075-D120-D01-1C-UNV-W1 MARK LIGHTING #S4WID LLP 8FT MSL8 80CRI 40K 1200LMF I80CRI I40K I800LMF SCT MIN1 FLL MVOLT WHTT ZT	158	WALL	9,600/6,000	4000	80	120V-277V, 4" x 8'-0" DIRECT/INDIRECT WALL MOUNTED LINEAR FIXTURE WITH FLUSH LENS AND ASYMMETRIC OPTIC. WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L12A	**SAME AS L12 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L13-4	LUMENWERX #VSPLR-D-TMG-HL-SW-80CRI-1000LMF-40K-4FT-UNV-D1-1C-EF-MTL-NATA FORUM LIGHTING #AQR-F-32-100-40-SAT-4-277-WH-D10V A-LIGHT #D5 4 LH 40 80CRI U HE X X D K	39	RECESSED	4,000	4000	80	120V - 277V, 4"x 4'-0", SEALED LINEAR FIXTURE WITH TEMPERED CLEAR GLASS LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED IP66 WITH NATATORIUM FINISH. COLOR TO BE SELECTED BY ARCHITECT. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L13-4A	**SAME AS L13-4 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L13-8	LUMENWERX #VSPLR-D-TMG-HLO-SW-80CRI-1000LMF-40K-8FT-UNV-D1-1C-EF-MTL-NATA FORUM LIGHTING #AQR-F-32-100-40-SAT-8-277-WH-D10V A-LIGHT #D5 8 LH 40 80CRI U HE X X D K	78	RECESSED	8,000	4000	80	120V - 277V, 4"x 4'-0", SEALED LINEAR FIXTURE WITH TEMPERED CLEAR GLASS LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED IP66 WITH NATATORIUM FINISH. COLOR TO BE SELECTED BY ARCHITECT. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L13-8A	**SAME AS L13-8 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L13-12	LUMENWERX #VSPLR-D-TMG-HLO-SW-80CRI-1000LMF-40K-12FT-UNV-D1-1C-TF-NATA FORUM LIGHTING #AQR-F-32-100-40-SAT-12-277-WH-D10V A-LIGHT #D5 12 LH 40 80CRI U HE X X D K	116	RECESSED	12,000	4000	80	120V - 277V, 4"x 4'-0", SEALED LINEAR FIXTURE WITH TEMPERED CLEAR GLASS LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED IP66 WITH NATATORIUM FINISH. COLOR TO BE SELECTED BY ARCHITECT. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L13-12A	**SAME AS L13-12 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L14	LUMENWERX #VSPLP-DI-TMG-HL-SW-80CRI-1000LMF-1000LMF-40K-8FT-UNV-D1-1C-TF-NATA FORUM LIGHTING #AQUD-32-95-40-SAT-H**-8-UNV-CC-D10V ACCOLADE #ALD2ST 8 ILH DLH 40 80CRI U HE BW S XX 1 D K	158	PENDANT	8000/8000	4000	80	120V - 277V, 4"x 8'-0", SEALED DIRECT/INDIRECT LINEAR FIXTURE WITH TEMPERED CLEAR GLASS LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED IP66 WITH NATATORIUM FINISH. COLOR TO BE SELECTED BY ARCHITECT. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L14A	**SAME AS L14 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L15-4	LUMENWERX #VIA4R-HL0-FH-80-1200-DUO-4FT-120-0-10-1 LITECONTROL #4L-LG-D-4-6-SOF-C1-2765T-D120-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 4FT FLP FL 80CRI TUWH RHYR 1200LMF DARK 277	52	RECESSED	4,800	2700K -6000 K	80	120V - 277V, 4"x 4'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS AND TUNABLE WHITE, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L15-4A	**SAME AS L15-4 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L15-8	LUMENWERX #VIA4R-HL0-FH-80-1200-DUO-8FT-120-0-10-1 LITECONTROL #4L-LG-D-8-6-SOF-C1-2765T-D120-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 8FT FLP FL 80CRI TUWH RHYR 1200LMF DARK 277	104	RECESSED	9,600	2700K -6000 K	80	120V - 277V, 4"x 8'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS AND TUNABLE WHITE, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L15-8A	**SAME AS L15-8 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L15-12	LUMENWERX #VIA4R-HL0-FH-80-1200-DUO-12FT-120-0-10-1 LITECONTROL #4L-LG-D-12-6-SOF-C1-2765T-D120-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 12FT FLP FL 80CRI TUWH RHYR 1200LMF DARK 277	156	RECESSED	14,400	2700K -6000 K	80	120V - 277V, 4"x 12'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS AND TUNABLE WHITE, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L15-12A	**SAME AS L15-12 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L16	LUMENWERX #VIA4PDI-HLO-FH-CLO-LED-80-1200-500-DU-12FT-277-01-1-W LITECONTROL #4L-P-ID-STD-12-06-SOF-C1-2765T-I500-D120-D1-2C-UNV-XX- MARK LIGHTING #S4PID-LPP-12FT-MSL6-80CRI-TUWH-RHYR-1200LMF-I80CRI-600LMF-DCT-FFL-DC-MVOLT-XXX	192	PENDANT	20,400	2700K -6000 K	80	120-277V, 4"X12'-0" DIRECT/INDIRECT LINEAR PENDANT WITH TUNABLE WHITE CONTROL.	
L16A	**SAME AS L16 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L17	METALUX #4BCLED-LD4-48HL-F-UNV-L840-CD-1- COLUMBIA #CWM4-40MLSM-FRFP-EDU LITHONIA #BLWP4 48L ADP EZ1 LP840	51	WALL	4,800	4000	80	120-277V WALL MOUNTED BRACKET LIGHT. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED.	
L17A	**SAME AS L17 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
CV1-12	IO LED #LM-15L-940-120-ID-UNV-S-ADJ-STD-12FT TRAXOM #COVE LIGHT AC DIM GEN II 12W/FT 4000K / 12' RUN ECOSENSE #L60 I 48 14 40 80 MULT-50X90	175	COVE	16,704	4000	80	120-277V, 12FT INTERIOR ARCHITECTURAL COVE LIGHT WITH INTEGRAL DRIVER UL LISTED. .	
CV1-13	IO LED #LM-15L-940-120-ID-UNV-S-ADJ-STD-13FT TRAXOM #COVE LIGHT AC DIM GEN II 12W/FT 4000K / 13' RUN ECOSENSE #L60 I 12FT 14 40 80 MULT-50X90	190	COVE	18,788	4000	80	120-277V, 13FT INTERIOR ARCHITECTURAL COVE LIGHT WITH INTEGRAL DRIVER UL LISTED. .	
CV1-14	IO LED #LM-15L-940-120-ID-UNV-S-ADJ-STD-14FT TRAXOM #COVE LIGHT AC DIM GEN II 12W/FT 4000K / 14' RUN ECOSENSE #L60 I 14FT 14 40 80 MULT-50X90	204	COVE	21,000	4000	80	120-277V, 14FT INTERIOR ARCHITECTURAL COVE LIGHT WITH INTEGRAL DRIVER UL LISTED. .	
CV1-24	IO LED #LM-15L-940-120-ID-UNV-S-ADJ-STD-24FT TRAXOM #COVE LIGHT AC DIM GEN II 12W/FT 4000K / 24' RUN ECOSENSE #L60 I 48 24FT 40 80 MULT-50X90	384	COVE	36,000	4000	80	120-277V, 24FT INTERIOR ARCHITECTURAL COVE LIGHT WITH INTEGRAL DRIVER UL LISTED. .	
CV1-32	IO LED #LM-15L-940-120-ID-UNV-S-ADJ-STD-3FT TRAXOM COVE LIGHT AC DIM GEN II 12W/FT 4000K / 32' RUN ECOSENSE #L60 I 32FT 14 40 80 MULT-50X90	526	COVE	48,000	4000	80	120-277V, 32FT INTERIOR ARCHITECTURAL COVE LIGHT WITH INTEGRAL DRIVER UL LISTED. .	
TK1	CONTECH #8062V-S-35-D-P ALINE #A-FLX15-3515T-WH (2-CIRCIUTATK) ATK**-2C-WH JUNO #T254L-35K-S-W / T4-W	20	TRACK	1,480	3500	80	120V, TRACK LIGHT WITH SPOT DISTRIBUTION. PROVIDE AND INSTALL 2 CIRCUIT TRACK AND ALL NECESSARY COMPONENTS TO MAKE A COMPLETE AND OPERATIONAL SYSTEM. REFER TO DRAWINGS FOR TRACK LENGTH. COLOR TO BE SELECTED BY ARCHITECT.	
BL1	MCGRAW EDISON #ISS-SA1-D-740-U-T4W BEACON #QSP2-24L-50-4K7-4-UNV-XX LITHONIA #WSQ-P4-40K-SR4-MVOLT-XX	61	WALL	5,664	4000	70	120-277V, SMALL QUARTER SPHERE DIE CAST ALUMINUM WITH TYPE IV DISTRIBUTION, ELECTRONIC DRIVER. UL LISTED. COLOR BY ARCHITECT. MOUNT FIXTURE AT 10'-0" A.F.G. UNLESS OTHERWISE NOTED.	
BL1A	**SAME AS BL1 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
BL2	SPI LIGHTING #SEW12146-1FT-14W-120-277V-4000K-MCS-PSE-WL-FT_FT-OAP12-XX INSIGHT LIGHTING #E5X-HO-40K-*L-EXA-*-**-DIM-** /LC5 / CEL **ELLIPTIPAR #S151-H-1H-XX-M-1FT-0-940-ZX-HGF-0-XX-HE**	14	WALL	1,424	4000	80	120-277V, 1.5" DIAMETER BY 12" LONG FIXTURE WITH FORWARD THROW OPTICS MOUNTED 12" OF WALL. DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. IP66 RATED LIGHT ENGINE AND WET LOCATION LISTED HOUSING.	
FL1	**LUMARK #NFFLD-S-C15-D-UNV-33-KNC-XX** **BEACON #RFL2-90L-40-4K7-N-UNC-K-XX** **LITHONIA #DSXF1 LED-P2-40K-NSP-MVOLT-THK**	**51**	**SURFACE**	**4,525**	**4000**	**70**	**277V, SMALL FORM FLOOD LIGHT WITH 3X3 DISTRBUTION. ELECTRONIC DRIVER. UL LISTED. COLOR TO BE SELECTED BY ARCHITECT.**	
FL2	**LUMARK #NFFLD-S-C15-D-UNV-33-KNC-XX** **BEACON #RFL2-90L-40-4K7-N-UNC-K-XX** **LITHONIA #DSXF1 LED-P2-40K-NSP-MVOLT-THK**	**51**	**SURFACE**	**4,525**	**4000**	**70**	**277V, SMALL FORM FLOOD LIGHT WITH 3X3 DISTRBUTION. ELECTRONIC DRIVER. UL LISTED. COLOR TO BE SELECTED BY ARCHITECT.**	
INV1	SURELITE #INV-220-PB-S DUAL LITE #LG250 ISOLITE #E3MIMI-250-MB	220	SURFACE				120-277V, 220VA WALL MOUNTED BATTERY INVERTER UL LISTED	
INV2	SURELITE #INV-375-PB-S DUAL-LITE #LG375S ISOLITE #E3-375-LC-V2	375	SURFACE				120-277V, 375VA WALL MOUNTED BATTERY INVERTER UL LISTED	
PL1	SPI LIGHTING #LRU12243-L866-120-277V-4000K-DF-DA-NAT-PTXX	866	TRUSS	109,809	4000	80	120-277V, LIGHT TRUSS FIXTURE WITH AYSMMETRIC DISTRIBUTION AND NATATORIUM GRADE FINISH. CUSTOM COLOR TO BE SELECTED BY ARCHITECT. CONTRACTOR SHALL PROVIDE TRUSS SYSTEM AS INDICATED ON DRAWINGS. ELECTRONIC DRIVER.	1
EM1	LIFE SAFETY LIGHTING #LSMM6-WL-PLED DUAL LITE #EL-SE-205LED **ISOLITE #HZN NC MBC L65 SD**	5	WALL	600			120-277V 5.0W LED HIGH LUMEN LAMPS WITH INJECTION MOLDED HIGH-IMPACT THERMAL PLASTIC HOUSING WITH CLEAR COVER. UL LISTED FOR WET LOCATIONS.	
EX1	SURE-LITE #LPX-7-SD LITHONIA #LQM-S-W-3-R-120/277-EL N-SD DUAL LITE #EVE-U-R-W-E-I	2	UNIVERSAL	0	-	-	120-277V, WHITE POLYCARBONATE SELF POWERED EXIT SIGN WITH RED LETTERS AND NICKEL CADMIUM BATTERY. EXIT SIGN SHALL HAVE SELF DIAGNOSTIC. UL LISTED	
EX2	LIFE SAFETY LIGHTING #LSWLEZTEU-R-G-EM-CW-SDT BEGHELLI #PX-A-R-SA-AT LITHONIA #WLTE-GY-1-R-EL-SD	4	WALL	0	-	-	120-277C, POLYCARBONATE HOUSING WITH UV-STABILIZED POLYCARBONATE MOUNTING CANOPY WITH CLEAR LENSE. UL LISTED FOR WET LOCATIONS.	

REMARKS:

1. CONTRACTOR SHALL PROVIDE AN ALLOWANCE OF $350,000.00 FOR FIXTURE AND TRUSS SYSTEM THIS INCLUDES FREIGHT AND SHIPPING COSTS.

LIGHT FIXTURE SCHEDULE

TAG	MANUFACTURER'S CATALOG NUMBER	MAX. WATTS	MOUNT	MIN. LUMEN OUTPUT *(D/I)	CCT	CRI	DESCRIPTION	REMARKS
DL1	HALO #HC4-20-D010-HM40525-840-41MD-H PRESCOLITE #LFR-4RD-M-20L40K8-MD-DM1 LFR-4RD-T-SS LFR-4RD-H LITHONIA #LDN4 40/20 LO4AR LSS MVOLT GZ10	23	RECESSED	1,933	4000	80	120-277V, 4" DIAMETER DOWNLIGHT WITH MEDIUM DISTRIBUTION AND SELF-FLANGED SEMI-SPECULAR CLEAR REFLECTOR. ELECTRONIC 0-10V DIMMING DRIVER WITH RANGE FROM 100% TO 1%. UL LISTED	
DL1A	**SAME AS DL1 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
DL2	HALO #HC4-30-D010-HM43040-840-41MD-H PRESCOLITE #LFR-4RD-M-30L40K8-MD-DM1 LFR-4RD-T-SS LFR-4RD-H LITHONIA #LDN4 40/30 LO4AR LSS MVOLT GZ10	32	RECESSED	3,000	4000	80	120-277V, 4" DIAMETER DOWNLIGHT WITH MEDIUM DISTRIBUTION AND SELF-FLANGED SEMI-SPECULAR CLEAR REFLECTOR. ELECTRONIC 0-10V DIMMING DRIVER WITH RANGE FROM 100% TO 1%. UL LISTED	
DL2A	**SAME AS DL2 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
DL3	HALO #HC4-20-D010-HM40525-840-41PS-MD-W PRESCOLITE #LFR-4RD-M-30L40K8-WD-DM1 LFR-4RD-T-SH-WT-ACL LFR-4RD-H	26	RECESSED	2,000	4000	80	120V-277V, 4" DOWN LIGHT WITH NON-CONDUCTIVE POLYMER "DEAD FRONT" REFLECTOR AND MEDIUM DISTRBIUTION WITH WHITE FLANGE. UL WET LOCATION LISTED.	
DL3A	**SAME AS DL3 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
DL4	HALO #HC4-15-D010-HM40525-840-41WD-W-WF PRESCOLITE #LFR-4RD-M-15L40K8-MD-DM1 LFR-4RD-T-WC LFR-4RD-H LITHONIA #LDN4 40/25 LO4AR LSS MVOLT GZ1	18	RECESSED	1,498	4000	90	120-277V, 4" DIAMETER DOWNLIGHT WITH MEDIUM DISTRIBUTION AND SELF-FLANGED MATTE WHITE REFLECTOR. ELECTRONIC 0-10V DIMMING DRIVER WITH RANGE FROM 100% TO 1%. UL LISTED	
L1	ALS #LPTW-4-WH-UD **NEW STAR #AGG-G-24-OP-UN-TW0-CW56WATTS** LITHONIA #CPXTW 2X4 TUWH RHYR 6000LM 80CRI SWL MVOLT NLT	56	RECESSED	4750-5250	2700K -6000 K	80	120-277V, 2'X4' COLOR TUNNING FLAT PANEL. ELECTRONIC 0-10V DIMMING DRIVER WITH RANGE FROM 100% TO 10%. UL LISTED	
L1A	**SAME AS L1 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L2	METALUX #24FPSL2SCT3-LOW COLUMBIA #CFP24-LSCS LITHONIA #CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT	27	RECESSED	3,150	4000	80	120-277V, 2'X4' LED FLAT PANEL WITH SELECTABLE LUMENS AND COLOR TEMPERAUTRE. 0-10V ELECTRONIC DIMMING TO 10% UL LISTED. COLOR TEMPERATURE AND LUMEN OUTPUT TO BE SET AT FACTORY AS INDICATED..	
L2A	**SAME AS L2 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L3	METALUX #24FPSL2SCT3-MED COLUMBIA #CFP24-LSCS LITHONIA #CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT	40	RECESSED	4,291	4000	80	120-277V, 2'X4' LED FLAT PANEL WITH SELECTABLE LUMENS AND COLOR TEMPERAUTRE. 0-10V ELECTRONIC DIMMING TO 10% UL LISTED. COLOR TEMPERATURE AND LUMEN OUTPUT TO BE SET AT FACTORY AS INDICATED..	
L3A	**SAME AS L3 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L4	METALUX #24FPSL2SCT3-HIGH COLUMBIA #CFP22-LSCS LITHONIA #CPX-2X2-AL07-80CRI-SWW7-SWL	56	RECESSED	6,011	4000	80	120-277V, 2'X4' LED FLAT PANEL WITH SELECTABLE LUMENS AND COLOR TEMPERAUTRE. 0-10V ELECTRONIC DIMMING TO 10% UL LISTED. COLOR TEMPERATURE AND LUMEN OUTPUT TO BE SET AT FACTORY AS INDICATED..	
L4A	**SAME AS L4 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L5-4	LUMENWERX #VIA4R-HLO-FH-SW-80-1000-40-4FT LITECONTROL #4L-LG-D-4-6-SOF-C1-40K-D100-D01-1C-UNV-W1 MARK LIGHTING #SL4L-LOP-4FT-FLP-XX-80CRI-40K-1000LMF-277	41	RECESSED	4,000	4000	80	120V - 277V, 4"x 4'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L5-4A	**SAME AS L5-4 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L5-8	LUMENWERX #VIA4R-HLO-FH-SW-80-1000-40-8FT LITECONTROL #4L-LG-D-8-6-SOF-C1-40K-D100-D01-1C-UNV-W1 MARK LIGHTING #SL4L-LOP-8FT-FLP-XX-80CRI-40K-1000LMF-277	82	RECESSED	8,000	4000	80	120V - 277V, 4"x 8'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L5-8A	**SAME AS L5-8 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L5-10	LUMENWERX #VIA4R-HLO-FH-SW-80-1000-40-10FT LITECONTROL #4L-LG-D-10-6-SOF-C1-40K-D100-D01-1C-UNV-W1 MARK LIGHTING #SL4L-LOP-10FT-FLP-XX-80CRI-40K-1000LMF-277	102	RECESSED	10,000	4000	80	120V - 277V, 4"x 10'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L5-10A	**SAME AS L5-10 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L5-12	LUMENWERX #VIA4R-HLO-FH-SW-80-1000-40-12FT LITECONTROL #4L-LG-D-12-6-SOF-C1-40K-D100-D01-1C-UNV-W1 MARK LIGHTING #SL4L-LOP-12FT-FLP-XX-80CRI-40K-1000LMF-277	122	RECESSED	12,000	4000	80	120V - 277V, 4"x 12'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L5-12A	**SAME AS L5-12 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L5-20	LUMENWERX #VIA4R-HLO-FH-SW-80-1000-4020FT LITECONTROL #4L-LG-D-20-6-SOF-C1-40K-D100-D01-1C-UNV-W1 MARK LIGHTING #SL4L-LOP-20FT-FLP-XX-80CRI-40K-1000LMF-277	204	RECESSED	12,000	4000	80	120V - 277V, 4"x 12'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L5-20A	**SAME AS L5-20 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L6-4	LUMENWERX #VIA4R-HLO-FH-SW-80-1200-40-4FT LITECONTROL #4L-LG-D-6-6-SOF-C1-40K-D120-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 4FT FLP XX 80CRI 40K 1200LMF MIN1 120 ZT	44	RECESSED	4,800	4000	80	120V - 277V, 4"x 4'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L6-4A	**SAME AS L6-4 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L7-4	LUMENWERX #VIA4R-HLO-FH-SW-80-1500-40-4FT LITECONTROL #4L-LG-D-4-4-SOF-C1-40K-D150-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 4FT FLP XX 80CRI 40K 1500LMF MIN1 120 ZT	60	RECESSED	6,000	4000	80	120V - 277V, 4"x 4'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L7-4A	**SAME AS L7-4 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L7-20	LUMENWERX #VIA4R-HLO-FH-SW-80-1500-40-20FT LITECONTROL #4L-LG-D-20-8-SOF-C1-40K-D150-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 20FT FLP XX 80CRI 40K 1500LMF MIN1 120 ZT	300	RECESSED	30,000	4000	80	120V - 277V, 4"x 20'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L7-22	LUMENWERX #VIA4R-HLO-FH-SW-80-1500-40-22FT LITECONTROL #4L-LG-D-22-8-SOF-C1-40K-D150-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 20FT FLP XX 80CRI 40K 1500LMF MIN1 120 ZT	330	RECESSED	33,000	4000	80	120V - 277V, 4"x 22'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L7-24	LUMENWERX #VIA4R-HLO-FH-SW-80-1500-40-24FT LITECONTROL #4L-LG-D-24-8-SOF-C1-40K-D150-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 24FT FLP XX 80CRI 40K 1500LMF MIN1 120 ZT	360	RECESSED	36,000	4000	80	120V - 277V, 4"x 24'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L7-26	LUMENWERX #VIA4R-HLO-FH-SW-80-1500-40-26FT LITECONTROL #4L-LG-D-26-8-SOF-C1-40K-D150-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 26FT FLP XX 80CRI 40K 1500LMF MIN1 120 ZT	390	RECESSED	39,000	4000	80	120V - 277V, 4"x 26'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L7-28	LUMENWERX #VIA4R-HLO-FH-SW-80-1500-40-28FT LITECONTROL #4L-LG-D-28-8-SOF-C1-40K-D150-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 28FT FLP XX 80CRI 40K 1500LMF MIN1 120 ZT	420	RECESSED	42,000	4000	80	120V - 277V, 4"x 28'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L7-32	LUMENWERX #VIA4R-HLO-FH-SW-80-1500-40-32FT LITECONTROL #4L-LG-D-32-8-SOF-C1-40K-D150-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 32FT FLP XX 80CRI 40K 1500LMF MIN1 120 ZT	480	RECESSED	48,000	4000	80	120V - 277V, 4"x 32'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L7-34	LUMENWERX #VIA4R-HLO-FH-SW-80-1500-40-34FT LITECONTROL #4L-LG-D-34-8-SOF-C1-40K-D150-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 34FT FLP XX 80CRI 40K 1500LMF MIN1 120 ZT	510	RECESSED	51,000	4000	80	120V - 277V, 4"x 34'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L7-36	LUMENWERX #VIA4R-HLO-FH-SW-80-1500-40-36FT LITECONTROL #4L-LG-D-36-8-SOF-C1-40K-D150-D01-1C-UNV-W1 MARK LIGHTING #SL4L LOP 36FT FLP XX 80CRI 40K 1500LMF MIN1 120 ZT	540	RECESSED	54,000	4000	80	120V - 277V, 4"x 36'-0", RECESSED LINEAR FIXTURE WITH FLUSH LENS, WHITE FINISH. 0-10V DIMMING DRIVER, DIMMABLE TO 1%. ELECTRONIC DRIVER WITH <20% THD. UL LISTED. CONTROL WIRING REQUIRED FOR OPERATION OF 0-10V DIMMING.	
L8	METALUX #14FPSL4235C-HIGH COLUMBIA #CFP14-LSCS LITHONIA #CPX-1X4-AL07-80CRI-SWW7-SWL-MVOLT.	36	RECESSED	4,100	3500	80	120-277V, 1'X4' RECESSED LED PANEL. ELECTRONIC 0-10V DIMMING DRIVER WITH RANGE FROM 100% TO 10%. UL LISTED.	
L8A	**SAME AS L8 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L9	FAIL-SAFE #FSP14-42-40-CP125-DFCL-1248W-U NEW STAR #AGV-14-OP-UN-40-DM1 **KENALL #CVSEDO-14-45L-40K8-DIM-DV-5F-4H-SYM-FN**	45	RECESSED	3,800	4000	80	120-277V, 1'X4' SEALED LED FLAT PANEL WITH 0.125 CLEAR POLYCARBONATE LENS AND DRYWALL KIT. 0-10V ELECTRONIC DIMMING TO 10% UL WET LOCATION LISTED.	
L9A	**SAME AS L9 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L10	METALUX #4SNLED-LD5-41SL-LN-UNV-L840-CD1 LITHONIA #Z1LD-L48-SMR-3000LM-FST-MVOLT-40K-80CRI-WH COLUMBIA #CLS4-LSCS-GLH5	40	SUSPENDED	3,966	4000	80	120-277V, 4' LINEAR STRIP FIXTURE WITH FROSTED LENS AND COLD ROLLED STEEL HOUSING. ELECTRONIC 0-10V DIMMING DRIVER WITH RANGE FROM 100% TO 10%. UL LISTED	
L10A	**SAME AS L10 EXCEPT WITH EMERGENCY BATTERY INVERTER**							
L11	METALUX #4VT3-LD5-8W-UNV-EL10W-L840-CD1 COLUMBIA #LXEM4-40VL-RFP-EDU LITHONIA #FEM L48 8000LM IMAFL MD MVOLT GZ10 40K 80CRI	67	SUSPENDED	8,000	4000	80	120-277V, 4' LED VAPOR TIGHT STRIP LIGHT, FULLY GASKETED, FIBERGLASS HOUSING AND LENS. UL WET LOCATION LISTED.	
L11A	**SAME AS L11 EXCEPT WITH EMERGENCY BATTERY INVERTER**							

GENERAL REMARKS:

1. CONTRACTOR SHALL REFER TO DRAWINGS FOR LOCATIONS THAT REQUIRE DRYWALL FRAMES FOR RECESSED FIXTURES.

PLOT DATE/TIME:8/30/2023 9:01:26 AM

THIS MONOCHROME PRINT SHOULD DISPLAY GRAYSCALE BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

LANCER ASSOCIATES ARCHITECTURE

427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

PRIMARY ENGINEERING INC

Fort Wayne	Indianapolis
2828 Lake Ave.	9785 Crosspoint Blvd., Suite 103
Fort Wayne, Indiana 46805	Indianapolis, Indiana 46256
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CLARK-PLEASANT COMMUNITY SCHOOLS CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN STREET, WHITELAND, IN 46184

ANDREW STEPHEN LOUDERBACK
PE11700017

REVISIONS:

#	Date	Desc.
1	08-22-2023	Addendum #1

100% CONSTRUCTION DOCUMENTS

PROJECT:	#22130
DATE:	07-28-2023
DRAWN BY:	RHA

SCHEDULES

E702

PRIMARY JOB # 22417

PANEL: 2HJ1 **MLO:** 225 AMPERE **VOLTAGE:** 277/480
MOUNTING TYPE: SURFACE **K.A.I.C.:** 18 **PHASE:** 3
PANEL REMARKS: **FED FROM:** SEE RISER **WIRE:** 4+G
HINGED DOOR WITHIN HINGED COVER, 100% RATED NEUTRAL BUS

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1	20A/1P	LIGHTS - RMS. J201, J203, & J205	1800 1285			LIGHTS - RMS. J200, J202, J206, J208,...	20A/1P	2	
	3	20A/1P	LIGHTS - RMS. J207 & J109		1200 1200		LIGHTS - RMS. J214 & J216	20A/1P	4	
	5	20A/1P	LIGHTS - RM. J211			1412 1357	LIGHTS - RM. J220	20A/1P	6	
	7	20A/1P	LIGHTS - RMS. K203 & K205	1800 3155			LIGHTS - RMS. J2000, J2100	20A/1P	8	
	9	20A/1P	LIGHTS - RMS. K207 & K211		1950 642		LIGHTS - RMS. J226, J228 & J230	20A/1P	10	
1	11	20A/1P				0 1750	LIGHTS - RMS. K204 & K206	20A/1P	12	
1	13	20A/1P		0 1650			LIGHTS - RMS. K208, K210 & K212	20A/1P	14	
1	15	20A/1P			0 0			20A/1P	16	1
1	17	20A/1P				0 0		20A/1P	18	1
1	19	20A/1P		0 0				20A/1P	20	1
1	21	20A/1P			0 0			20A/1P	22	1
1	23	20A/1P				0 0		20A/1P	24	1
1	25	20A/1P		0 0				20A/1P	26	1
1	27	20A/1P			0 0			20A/1P	28	1
1	29	20A/1P				0 0		20A/1P	30	1
1	31	20A/1P		0 0				20A/1P	32	1
1	33	20A/1P			0 0			20A/1P	34	1
1	35	20A/1P				0 0		20A/1P	36	1
1	37	20A/1P		0 0				20A/1P	38	1
1	39	20A/1P			0 0			20A/1P	40	1
1	41	20A/1P				0 0		20A/1P	42	1
				9,690	4,992	4,519				

REMARKS
1. PROVIDE SPARE CIRCUIT BREAKER, AS INDICATED, IN SPACE. SPARE CIRCUIT BREAKER SHALL BE TURNED IN THE OFF POSITION AT END OF CONSTRUCTION.

PANEL: 2HJ2 **MLO:** 225 AMPERE **VOLTAGE:** 277/480
MOUNTING TYPE: SURFACE **K.A.I.C.:** 18 **PHASE:** 3
PANEL REMARKS: **FED FROM:** SEE RISER **WIRE:** 4+G
HINGED DOOR WITHIN HINGED COVER, 100% RATED NEUTRAL BUS

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1			2188 2715					2	
	3	15A/3P	HP-J2.01		2188 2715		HP-J2.02	15A/3P	4	
	5					2188 2715			6	
	7			2715 2715					8	
	9	15A/3P	HP-J2.03		2715 2715		HP-J2.04	15A/3P	10	
	11					2715 2715			12	
	13			2715 2715					14	
	15	15A/3P	HP-J2.05		2715 2715		HP-J2.06	15A/3P	16	
	17					2715 2715			18	
	19			2715 2715					20	
	21	15A/3P	HP-J2.07		2715 2715		HP-J2.08	15A/3P	22	
	23					2715 2715			24	
	25			2188 2715					26	
	27	15A/3P	HP-J2.09		2188 2715		HP-J2.10	15A/3P	28	
	29					2188 2715			30	
	31			2715 2715					32	
	33	15A/3P	HP-J2.11		2715 2715		HP-J2.12	15A/3P	34	
	35					2715 2715			36	
	37			2715 2715					38	
	39	15A/3P	HP-J2.13		2715 2715		HP-J2.14	15A/3P	40	
	41					2715 2715			42	
	43			2188 0				20A/1P	44	1
	45	15A/3P	HP-J2.15		2188 0			20A/1P	46	1
	47					2188 0		20A/1P	48	1
1	49	20A/1P		0 0				20A/1P	50	1
1	51	20A/1P			0 0			20A/1P	52	1
1	53	20A/1P				0 0		20A/1P	54	1
1	55	20A/1P		0 0				20A/1P	56	1
1	57	20A/1P			0 0			20A/1P	58	1
1	59	20A/1P				0 0		20A/1P	60	1
				39,144	39,144	39,144				

REMARKS
1. PROVIDE SPARE CIRCUIT BREAKER, AS INDICATED, IN SPACE. SPARE CIRCUIT BREAKER SHALL BE TURNED IN THE OFF POSITION AT END OF CONSTRUCTION.

PANEL: 2HK1 **MLO:** 225 AMPERE **VOLTAGE:** 277/480
MOUNTING TYPE: SURFACE **K.A.I.C.:** 18 **PHASE:** 3
PANEL REMARKS: **FED FROM:** SEE RISER **WIRE:** 4+G
HINGED DOOR WITHIN HINGED COVER, 100% RATED NEUTRAL BUS

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1			2715 2715					2	
	3	15A/3P	HP-K3.01		2715 2715		HP-K3.02	15A/3P	4	
	5					2715 2715			6	
	7			2715 2715					8	
	9	15A/3P	HP-K3.03		2715 2715		HP-K3.04	15A/3P	10	
	11					2715 2715			12	
	13			2715 2715					14	
	15	15A/3P	HP-K3.05		2715 2715		HP-K3.06	15A/3P	16	
	17					2715 2715			18	
	19			2715 2715					20	
	21	15A/3P	HP-K3.07		2715 2715		HP-K3.08	15A/3P	22	
	23					2715 2715			24	
	25			2715 2715					26	
	27	15A/3P	HP-K3.09		2715 2715		HP-K3.10	15A/3P	28	
	29					2715 2715			30	
	31			2715 2715					32	
	33	15A/3P	HP-K3.11		2715 2715		HP-K3.12	15A/3P	34	
	35					2715 2715			36	
	37			2715 2715					38	
	39	15A/3P	HP-K3.13		2715 2715		HP-K3.14	15A/3P	40	
	41					2715 2715			42	
	43			2188 2715					44	
	45	15A/3P	HP-K3.15		2188 2715		HP-M2.02	15A/3P	46	
	47					2188 2715			48	
	49			2715 0					50	
	51	15A/3P	HP-M2.01		2715 0			15A/3P	52	1
	53					2715 0			54	
1	55	20A/1P		0 0				20A/1P	56	
1	57	20A/1P			0 0			20A/1P	58	1
1	59	20A/1P				0 0		20A/1P	60	1
				45,628	45,628	45,628				

REMARKS
1. PROVIDE SPARE CIRCUIT BREAKER, AS INDICATED, IN SPACE. SPARE CIRCUIT BREAKER SHALL BE TURNED IN THE OFF POSITION AT END OF CONSTRUCTION.

PANEL: 2HL1 **MLO:** 225 AMPERE **VOLTAGE:** 277/480
MOUNTING TYPE: SURFACE **K.A.I.C.:** 18 **PHASE:** 3
PANEL REMARKS: **FED FROM:** SEE RISER **WIRE:** 4+G
HINGED DOOR WITHIN HINGED COVER, 100% RATED NEUTRAL BUS

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1			2188 2188				20A/1P	2	
	3	15A/3P	HP-L2.01		2188 2188		HP-L2.02	20A/1P	4	15A/3P
	5					2188 2188		20A/1P	6	
	7			2188 2715				20A/1P	8	
	9	15A/3P	HP-L2.03		2188 2715		HP-L2.04	20A/1P	10	15A/3P
	11					2188 2715		20A/1P	12	
	13			2715 1263			LIGHTS - RMS. L205, L206, L207, L208,...	20A/1P	14	
	15	15A/3P	HP-L2.05		2715 0			20A/1P	16	1
	17					2715 0		20A/1P	18	1
	19	20A/1P	LIGHTS - RMS. L203 & L204	1343 0				20A/1P	20	1
	21	20A/1P	LIGHTS - RMS. M201, M201A & M203		1394 0			20A/1P	22	1
1	23	20A/1P				0 0		20A/1P	24	1
1	25	20A/1P		0 0				20A/1P	26	1
1	27	20A/1P			0 0			20A/1P	28	1
1	29	20A/1P				0 0		20A/1P	30	1
1	31	20A/1P		0 0				20A/1P	32	1
1	33	20A/1P			0 0			20A/1P	34	1
1	35	20A/1P				0 0		20A/1P	36	1
1	37	20A/1P		0 0				20A/1P	38	1
1	39	20A/1P			0 0			20A/1P	40	1
1	41	20A/1P				0 0		20A/1P	42	1
1	43	20A/1P		0 0				20A/1P	44	1
1	45	20A/1P			0 0			20A/1P	46	1
1	47	20A/1P				0 0		20A/1P	48	1
1	49	20A/1P		0 0				20A/1P	50	1
1	51	20A/1P			0 0			20A/1P	52	1
1	53	20A/1P				0 0		20A/1P	54	1
1	55	20A/1P		0 0				20A/1P	56	1
1	57	20A/1P			0 0			20A/1P	58	1
1	59	20A/1P				0 0		20A/1P	60	1
				14,600	13,388	11,994				

REMARKS
1. PROVIDE SPARE CIRCUIT BREAKER, AS INDICATED, IN SPACE. SPARE CIRCUIT BREAKER SHALL BE TURNED IN THE OFF POSITION AT END OF CONSTRUCTION.

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
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CLARK-PLEASANT COMMUNITY SCHOOLS CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN STREET, WHITELAND, IN 46184

ANDREW STEPHEN LOUDERBACK
REGISTERED
PE11700017
STATE OF
INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	08-22-2023	Addendum #1

100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: RHA

SCHEDULES

E706

PRIMARY JOB # 22417

N
TRUE NORTH

PLOT DATE/TIME:8/30/2023 9:01:42 AM
THIS MONOCHROME PRINT SHOULD DISPLAY GRAYSCALE BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

PANEL: 2LJ1 **MLO:** 225 AMPERE **VOLTAGE:** 120/208
MOUNTING TYPE: SURFACE **K.A.I.C.:** 22 **PHASE:** 3
PANEL REMARKS: **FED FROM:** SEE RISER **WIRE:** 4+G
HINGED DOOR WITHIN HINGED COVER, 100% RATED NEUTRAL BUS

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1	20A/1P	REC. - RM. K201	900			REC. - RMS. J218, J220 J222, & J2200	20A/1P	2	
				720						
	3	20A/1P	REC. - RM. K201		720		REC. - RM. J226	20A/1P	4	
					900					
	5	20A/1P	REC. - RM. K201			720	REC. - RM. J228	20A/1P	6	
						900				
	7	20A/1P	REC. - RM. K203	720			REC. - RM. J230	20A/1P	8	
				900						
	9	20A/1P	REC. - RM. K203		720		REC. - RM. J2400	20A/1P	10	
					1440					
	11	20A/1P	REC. - RM. K203			720	REC. - RM. K202	20A/1P	12	
						720				
	13	20A/1P	REC. - RM. J211	720			REC. - RM. K202	20A/1P	14	
				720						
	15	20A/1P	REC. - RM. J211		720		REC. - RM. K202	20A/1P	16	
					900					
	17	20A/1P	REC. - RM. J211			720	REC. - RM. K204	20A/1P	18	
						720				
	19	20A/1P	REC. - RM. J211	540			REC. - RM. K204	20A/1P	20	
				720						
1	21	20A/1P			0		REC. - RM. K204	20A/1P	22	
					720					
1	23	20A/1P				0	EF-J2	25A/1P	24	
						1656				
1	25	20A/1P		0			REC.- RM. 220	20A/1P	26	
				1500						
1	27	20A/1P			0		REC. - RM. 220	20A/1P	28	
					1500					
1	29	20A/1P				0	REC. - RM. 220	20A/1P	30	
						1500				
1	31	20A/1P		0			REC. - RM. 220	20A/1P	32	
				1500						
1	33	20A/1P			0		REC. - RM. 220	20A/1P	34	
					1500					
1	35	20A/1P				0	REC. - RM. 220	30A/2P	36	
						2500				
1	37	20A/1P		0			REC. - RM. 220		38	
				2500						
1	39	20A/1P			0		REC. - RM. 220	20A/1P	40	
					1500					
1	41	20A/1P				0	REC. - RM. 220	20A/1P	42	
						1500				
1	43	20A/1P		0			REC. - RM. 220	20A/1P	44	
				1500						
1	45	20A/1P			0			20A/1P	46	1
					0					
1	47	20A/1P				0		20A/1P	48	1
						0				
1	49	20A/1P		0				20A/1P	50	1
				0						
1	51	20A/1P			0			20A/1P	52	1
					0					
1	53	20A/1P				0		20A/1P	54	1
						0				
1	55	20A/1P		0				20A/1P	56	1
				0						
1	57	20A/1P			0			20A/1P	58	1
					0					
1	59	20A/1P				0		20A/1P	60	1
						0				
				12,940	10,620	11,656				

REMARKS
1. PROVIDE SPARE CIRCUIT BREAKER, AS INDICATED, IN SPACE. SPARE CIRCUIT BREAKER SHALL BE TURNED IN THE OFF POSITION AT END OF CONSTRUCTION.
2. CIRCUIT BREAKER TO BE GFCI TYPE.

PANEL: 2LJ2 **MLO:** 225 AMPERE **VOLTAGE:** 120/208
MOUNTING TYPE: SURFACE **K.A.I.C.:** 22 **PHASE:** 3
PANEL REMARKS: **FED FROM:** SEE RISER **WIRE:** 4+G
HINGED DOOR WITHIN HINGED COVER, 100% RATED NEUTRAL BUS

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1	20A/1P	REC. - RM. J201	540			REC. - RM. J202	20A/1P	2	
				1080						
	3	20A/1P	REC. - RM. J201		720		REC. - RM. J202	20A/1P	4	
					720					
	5	20A/1P	REC. - RM. J201			720	REC. - RM. J202	20A/1P	6	
						720				
	7	20A/1P	REC. - RM. J203	720			REC. - RM. J204	20A/1P	8	
				540						
	9	20A/1P	REC. - RM. J203		720		REC. - RM. J204	20A/1P	10	
					360					
	11	20A/1P	REC. - RM. J203			720	REC. - RM. J204	20A/1P	12	
						360				
	13	20A/1P	REC. - RM. J205	720			REC. - RM. J204	20A/1P	14	
				360						
	15	20A/1P	REC. - RM. J205		720		REC. - RM. J204	20A/1P	16	
					1500					
	17	20A/1P	REC. - RM. J205			720	REC. - RM. J204	20A/1P	18	
						1500				
	19	20A/1P	REC. - RM. J207	720			REC. - RM. J204	20A/1P	20	
				540						
	21	20A/1P	REC. - RM. J207		720		REC. - RMS. J210, J212 & ST201	20A/1P	22	
					540					
	23	20A/1P	REC. - RM. J207			720	REC. - RM. J206	20A/1P	24	
						1500				
	25	20A/1P	REC. - RM. J209	720			REC.- RM. J208	20A/1P	26	
				1500						
	27	20A/1P	REC. - RM. J209		720		REC. - RM. J212	20A/1P	28	
					1500					
	29	20A/1P	REC. - RM. J209			720	REC. - RM. J214	20A/1P	30	
						720				
	31	20A/1P	REC. - RM. J200	720			REC. - RM. J214	20A/1P	32	
				720						
	33	20A/1P	REC. - RM. J200		720		REC. - RM. J214	20A/1P	34	
					720					
	35	20A/1P	REC. - RM. J2000			540	REC. - RM. J216	20A/1P	36	
						720				
	37	20A/1P	REC. - RM. J2000	360			REC. - RM. J216	20A/1P	38	
				720						
1	39	20A/1P			0		REC. - RM. J216	20A/1P	40	
					720					
1	41	20A/1P				0	REC. - RM. J2200	20A/1P	42	
						540				
1	43	20A/1P		0				20A/1P	44	1
				0						
1	45	20A/1P			0			20A/1P	46	1
					0					
1	47	20A/1P				0		20A/1P	48	1
						0				
1	49	20A/1P		0				20A/1P	50	1
				0						
1	51	20A/1P			0			20A/1P	52	1
					0					
1	53	20A/1P				0		20A/1P	54	1
						0				
1	55	20A/1P		0				20A/1P	56	1
				0						
1	57	20A/1P			0			20A/1P	58	1
					0					
1	59	20A/1P				0		20A/1P	60	1
						0				
				9,960	10,380	10,200				

REMARKS
1. PROVIDE SPARE CIRCUIT BREAKER, AS INDICATED, IN SPACE. SPARE CIRCUIT BREAKER SHALL BE TURNED IN THE OFF POSITION AT END OF CONSTRUCTION.
2. CIRCUIT BREAKER TO BE GFCI TYPE.

PANEL: 2LK1 **MLO:** 225 AMPERE **VOLTAGE:** 120/208
MOUNTING TYPE: SURFACE **K.A.I.C.:** 22 **PHASE:** 3
PANEL REMARKS: **FED FROM:** SEE RISER **WIRE:** 4+G
HINGED DOOR WITHIN HINGED COVER, 100% RATED NEUTRAL BUS

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1	20A/1P	REC. - RM. K205	720			REC. - RM. K208	20A/1P	2	
				720						
	3	20A/1P	REC. - RM. K205		720		REC. - RM. K208	20A/1P	4	
					720					
	5	20A/1P	REC. - RM. K205			720	REC. - RM. K208	20A/1P	6	
						720				
	7	20A/1P	REC. - RM. K207	720			REC. - RM. K208	20A/1P	8	
				720						
	9	20A/1P	REC. - RM. K207		720		REC. - RM. K208	20A/1P	10	
					720					
	11	20A/1P	REC. - RM. K207			720	REC. - RM. K208	20A/1P	12	
						900				
	13	20A/1P	REC. - RM. K209	720			REC. - RM. K210	20A/1P	14	
				720						
	15	20A/1P	REC. - RM. K209		720		REC. - RM. K210	20A/1P	16	
					720					
	17	20A/1P	REC. - RM. K209			720	REC. - RM. K210	20A/1P	18	
						720				
	19	20A/1P	REC. - RM. K111	720			REC. - RM. K212	20A/1P	20	
				720						
	21	20A/1P	REC. - RM. K111		720		REC. - RM. K212	20A/1P	22	
					720					
	23	20A/1P	REC. - RM. K111			900	REC. - RM. K212	20A/1P	24	
						720				
	25	20A/1P	REC. - RM. M201	540			REC. - RM. M203	20A/1P	26	
				720						
	27	20A/1P	REC. - RM. M201		540		REC. - RM. M203	20A/1P	28	
					720					
	29	20A/1P	REC. - RM. M201			720	REC. - RM. M203	20A/1P	30	
						360				
	31	20A/1P	REC. - RM. M201	360			REC. - RM. M2000	20A/1P	32	
				360						
	33	20A/1P	REC. - RMS. M2000 & ST202		900		REC. - RM. K2000	20A/1P	34	
					720					
	35	20A/1P	REC. - RM. M200			540	REC. - RM. M201A	20A/1P	36	
						1500				
1	37	20A/1P		0			REC. - RM. M201A	20A/1P	38	
				1500						
1	39	20A/1P			0		REC. - RM. M201A	20A/1P	40	
					1500					
1	41	20A/1P				0	REC. - RM. M201A	20A/1P	42	
						1500				
1	43	20A/1P		0			REC. - RM. M201A	20A/1P	44	
				1500						
1	45	20A/1P			0			30A/2P	46	
					2500					
1	47	20A/1P				0			48	
						2500				
1	49	20A/1P		0			REC. - RM. L204 & L2200	20A/1P	50	
				720						
1	51	20A/1P			0		POKE-THRU - RM. M200	20A/1P	52	
					1500					
1	53	20A/1P				0	POKE-THRU - RM. M200	20A/1P	54	
						1500				
1	55	20A/1P		0			REC. - RMS. L200 & M201	20A/1P	56	
				1080						
1	57	20A/1P			0		TF-M1	20A/1P	58	1
					696					
1	59	20A/1P				0		20A/1P	60	
						0				
				12,540	14,836	14,740				

REMARKS
1. PROVIDE SPARE CIRCUIT BREAKER, AS INDICATED, IN SPACE. SPARE CIRCUIT BREAKER SHALL BE TURNED IN THE OFF POSITION AT END OF CONSTRUCTION.
2. CIRCUIT BREAKER TO BE GFCI TYPE.

PANEL: 2LL1 **MLO:** 225 AMPERE **VOLTAGE:** 120/208
MOUNTING TYPE: SURFACE **K.A.I.C.:** 22 **PHASE:** 3
PANEL REMARKS: **FED FROM:** SEE RISER **WIRE:** 4+G
HINGED DOOR WITHIN HINGED COVER, 100% RATED NEUTRAL BUS

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1	20A/1P	REC. - RMS. L2100, & L209	900			REC. - RM. L204	20A/1P	2	
				720						
	3	20A/1P	REC. - RM. L210		1500		REC. - RM. L204	20A/1P	4	
					720					
	5	20A/1P	REC. - RM. L205			1500	REC. - RM. L204	20A/1P	6	
						360				
	7	20A/1P	REC. - RM. L206	1500			REC. - RM. L203	20A/1P	8	
				360						
	9	20A/1P	REC. - RMS. L202, L207, & L208		900		REC. - RM. L203	20A/1P	10	
					720					
	11	20A/1P	REC. - RM. L208			1500	REC. - RM. L203	20A/1P	12	
						720				
	13	20A/1P	REC. - RM. L208	1500			REC. - RM. M200	20A/1P	14	
				540						
	15	20A/1P	REC. - RM. L208		1500		POKE-THRU - RM.M200	20A/1P	16	
					1500					
	17	20A/1P	REC. - RM. L208			1500	POKE-THRU - RM.M200	20A/1P	18	
						1500				
	19	20A/1P	REC. - RM. L208	1500			REC. - RM. L201	20A/1P	20	
				720						
	21	20A/1P	REC. - RM. L208		1500		REC. - RM. L201	20A/1P	22	
					360					
	23	20A/1P	REC. - RM. L208			1500	REC. - RM. L201	20A/1P	24	
						1500				
	25	20A/1P	REC. - RM. L208	1500			REC. - RM. L201	20A/1P	26	
				1500						
	27	20A/1P	REC. - RM. L208		1500		REC. - RM. L201	20A/1P	28	
					1500					
	29	30A/2P	REC. - RM. L208			2500	REC. - RM. L201	20A/1P	30	
						1500				
	31			2500			REC. - RM. L201	20A/1P	32	
				1500						
	33	20A/1P	REC. - RM. L2100		360		REC. - RM. L201	20A/1P	34	
					1500					
1	35	20A/1P				0	HIP-L2.06	15A/2P	36	
						1134				
1	37	20A/1P		0					38	
				1134						
1	39	20A/1P			0			20A/1P	40	1
					0					
1	41	20A/1P				0		20A/1P	42	1
						0				
1	43	20A/1P		0				20A/1P	44	1
				0						
1	45	20A/1P			0			20A/1P	46	1
					0					
1	47	20A/1P				0		20A/1P	48	1
						0				
1	49	20A/1P		0				20A/1P	50	1
				0						
1	51	20A/1P			0			20A/1P	52	1
					0					
1	53	20A/1P				0		20A/1P	54	1
						0				
1	55	20A/1P		0				20A/1P	56	1
				0						
1	57	20A/1P			0			20A/1P	58	1
					0					
1	59	20A/1P				0		20A/1P	60	1
						0				
				15,874	13,560	15,214				

REMARKS
1. PROVIDE SPARE CIRCUIT BREAKER, AS INDICATED, IN SPACE. SPARE CIRCUIT BREAKER SHALL BE TURNED IN THE OFF POSITION AT END OF CONSTRUCTION.
2. CIRCUIT BREAKER TO BE GFCI TYPE.

PANEL: 2LL2 **MLO:** 225 AMPERE **VOLTAGE:** 120/208
MOUNTING TYPE: SURFACE **K.A.I.C.:** 22 **PHASE:** 3
PANEL REMARKS: **FED FROM:** SEE RISER **WIRE:** 4+G
HINGED DOOR WITHIN HINGED COVER, 100% RATED NEUTRAL BUS

REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO	REMARKS
	1	20A/1P	REC. - RM. L201	720			SCOREBOARD REC - RM. L100	20A/1P	2	
				1650						
	3	20A/1P	REC. - RM. L201		360		SCOREBOARD REC - RM. L100	20A/1P	4	
					1650					
	5	20A/1P	REC. - RM. L201			1500	SCOREBOARD REC - RM. L100	20A/1P	6	
						1650				
	7	20A/1P	REC. - RM. L201	1500			SCOREBOARD REC - RM. L100	20A/1P	8	
				1650						
	9	20A/1P	REC. - RM. L201		1500		SCOREBOARD REC - RM. L100	20A/1P	10	
					1650					
	11	20A/1P	REC. - RM. L201			1500	SCOREBOARD REC - RM. L100	20A/1P	12	
						1650				
	13	20A/1P	REC. - RM. L201	1500			SCOREBOARD REC - RM. L100	20A/1P	14	
				1650						
	15	20A/1P	REC. - RM. L201		1500		SCOREBOARD REC - RM. L100	20A/1P	16	
					1650					
1	17	20A/1P				0	SCOREBOARD REC - RM. L100	20A/1P	18	
						1650				
1	19	20A/1P		0			SCOREBOARD REC - RM. L100	20A/1P	20	
				1650						
1	21	20A/1P			0		RECORD BOARD REC -RM. L100	20A/2P	22	
					1425					
1	23	20A/1P				0			24	
						1425				
1	25	20A/1P		0			RECORD BOARD REC -RM. L100	20A/2P	26	
				1425						
1	27	20A/1P			0				28	
					1425					
1	29	20A/1P				0		20A/1P	30	1
						0				
1	31	20A/1P		0				20A/1P	32	1
				0						
1	33	20A/1P			0			20A/1P	34	1
					0					
1	35	20A/1P				0		20A/1P	36	1
						0				
1	37	20A/1P		0				20A/1P	38	1
				0						
1	39	20A/1P			0			20A/1P	40	1
					0					
1	41	20A/1P				0		20A/1P	42	1
						0				
1	43	20A/1P		0				20A/1P	44	1
				0						
1	45	20A/1P			0			20A/1P	46	1
					0					
1	47	20A/1P				0		20A/1P	48	1
						0				
1	49	20A/1P		0				20A/1P	50	1
				0						
1	51	20A/1P			0			20A/1P	52	1
					0					
1	53	20A/1P				0		20A/1P	54	1
						0				
1	55	20A/1P		0				20A/1P	56	1
				0						
1	57	20A/1P			0			20A/1P	58	1
					0					
1	59	20A/1P				0		20A/1P	60	1
						0				
				11,745	11,160	9,375				

REMARKS
1. PROVIDE SPARE CIRCUIT BREAKER, AS INDICATED, IN SPACE. SPARE CIRCUIT BREAKER SHALL BE TURNED IN THE OFF POSITION AT END OF CONSTRUCTION.
2. CIRCUIT BREAKER TO BE GFCI TYPE.

LANCER ASSOCIATES ARCHITECTURE
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CLARK-PLEASANT COMMUNITY SCHOOLS CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN STREET, WHITELAND, IN 46184

I HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF INDIANA.
STEPHEN LOUIS BACK
REGISTERED
PE11700017
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	08-22-2023	Addendum #1

100% CONSTRUCTION DOCUMENTS

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: RHA

SCHEDULES

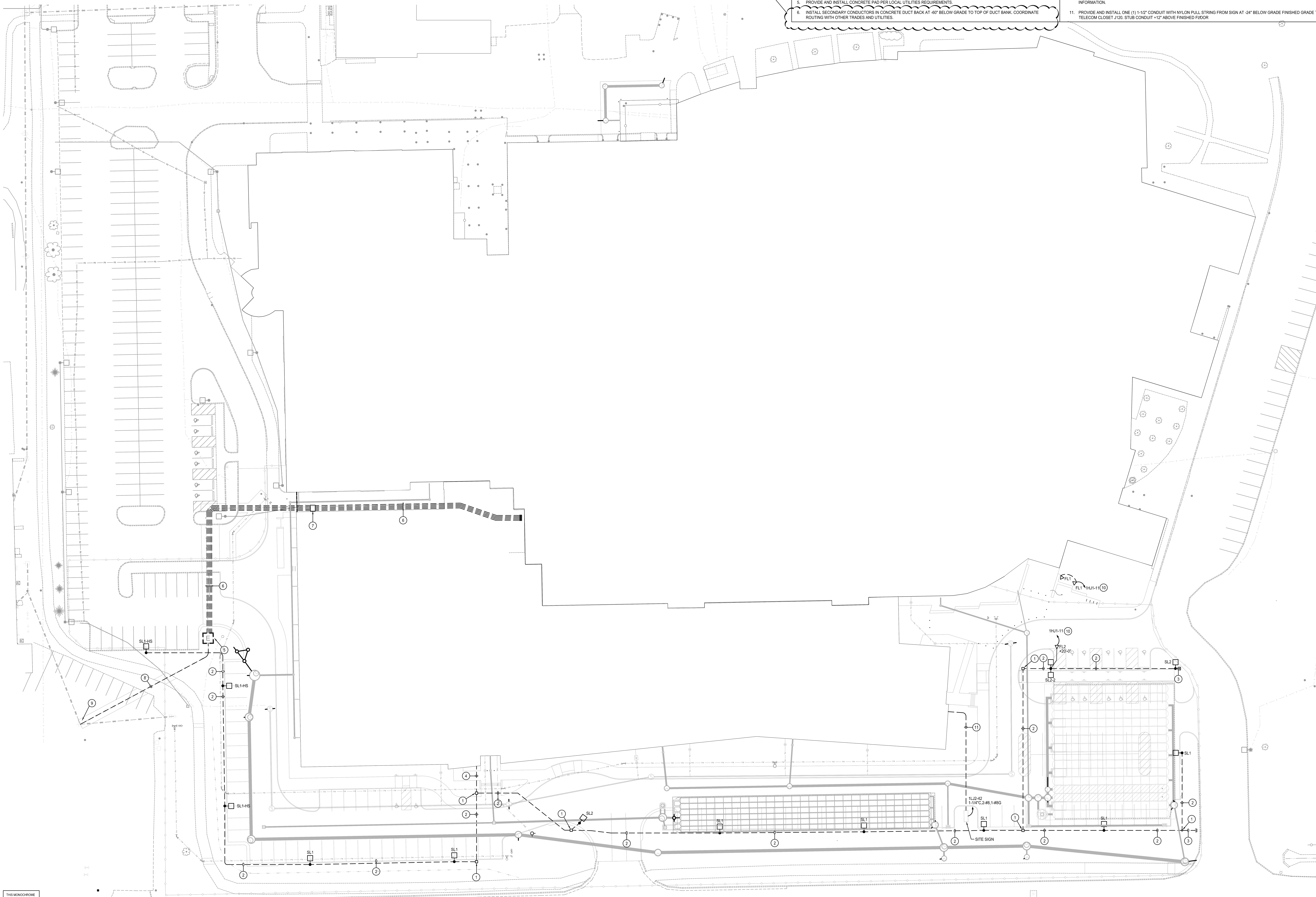
E707

PRIMARY JOB # 22417

PLOT DATE/TIME:8/29/2023 9:41:53 AM
THIS MONOCHROME PRINT SHOULD DISPLAY GRAYSCALE BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

PLAN NOTES

1. PROVIDE AND INSTALL 12"X12" IN-GROUND PULL BOX WITH OPEN BOTTOM TO SERVE SITE LIGHTING CIRCUIT(S). EQUAL TO PG SERIES. LID SHALL BE MARKED "LIGHTING"CONTRACTOR SHALL SPLICE CONDUCTORS FROM EXISTING CIRCUIT TO NEW SITE LIGHTING BRANCH CIRCUIT IN PULL BOX. CONTRACTOR SHALL UTILIZED LONG BARREL DOUBLE CRIMP COMPRESSION CONNECTOR AND HEAT SHRINK WRAP CONNECTION.
2. PROVIDE AND INSTALL 2-#10,1-#10G IN 1" RNC AT -24" BELOW GRADE TO SERVE NEW SITE FIXTURE(S).
3. PROVIDE AND INSTALL ONE (1) 1" CONDUIT STUBBED OUT 5'-0" AWAY FROM IN-GROUND PULL BOX. CAP AND SEAL CONDUIT AND PERMANENTLY MARK.
4. ROUTE 2-#0,1-#10 IN 1" CONDUIT AT -24" BELOW GRADE TO CONTRACTOR SC1 IN ROOM L113. REFER TO DETAIL #2 ON SHEET E504 FOR ADDITIONAL INFORMATION.
5. PROVIDE AND INSTALL CONCRETE PAD PER LOCAL UTILITIES REQUIREMENTS.
6. INSTALL SECONDARY CONDUCTORS IN CONCRETE DUCT BACK AT -60" BELOW GRADE TO TOP OF DUCT BANK. COORDINATE ROUTING WITH OTHER TRADES AND UTILITIES.
7. PROVIDE AND INSTALL 36"X48" IN-GROUND PULL BOX WITH OPEN BOTTOM TO SERVE SITE LIGHTING CIRCUIT(S). EQUAL TO PG SERIES. LID SHALL BE MARKED "POWER."CONTRACTOR SHALL SPLICE CONDUCTORS FROM EXISTING CIRCUIT TO NEW SITE LIGHTING BRANCH CIRCUIT IN PULL BOX. CONTRACTOR SHALL UTILIZED LONG BARREL DOUBLE CRIMP COMPRESSION CONNECTOR AND HEAT SHRINK WRAP CONNECTION.
8. PROVIDE AND INSTALL TWO (2) 6" CONDUITS WITH NYLON PULL STRINGS FOR UTILITY POLE TO PRIMARY SECTION OF TRANSFORMER PAD. ROUTE ONE (1) 6" CONDUIT TO UTILITY POLE AND ROUTE (1) 6" POLE TO GRASSY AREA. CAP AND SEAL CONDUIT FOR FUTURE USE.
9. ROUTE ONE (1) 6" CONDUITS AT +8'-0" ABOVE FINISHED GRADE ON UTILITY POLE.
10. ROUTE BRANCH CIRCUIT THRU CONTACTOR SC2 LOCATED IN ROOM J128. REFER TO DETAIL #2 ON SHEET E504 FOR ADDITIONAL INFORMATION.
11. PROVIDE AND INSTALL ONE (1) 1-1/2" CONDUIT WITH NYLON PULL STRING FROM SIGN AT -24" BELOW GRADE FINISHED GRADE TO TELECOM CLOSET J120. STUB CONDUIT +12" ABOVE FINISHED FLOOR



1 ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"

SCALE: 1" = 10'-0" | SCALE: 1" = 20'-0" | SCALE: 1" = 30'-0" | SCALE: 1" = 40'-0" | SCALE: 1" = 50'-0" | SCALE: 1" = 60'-0" | SCALE: 1" = 70'-0"

THIS MONOCHROME PRINT SHOULD DISPLAY GRAYSCALE BOXES BELOW IF PRINTED PROPERLY WITH 256 SHADES OF GRAY

LANCER ASSOCIATES ARCHITECTURE
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WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN STREET, WHITELAND, IN 46184

REGISTERED PE11700017 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	08-30-2023	Addendum #1.

100% CONSTRUCTION DOCUMENTS

PROJECT: #17087
DATE: 07-28-2023
DRAWN BY: RHA

ELECTRICAL SITE PLAN

ES201

PRIMARY JOB # 22417

DESIGN 27 TECHNOLOGY + ACOUSTICS	Whiteland High School Addendum 1 Narrative	August 30, 2023

SPECIFICATIONS:

NONE

DRAWINGS:

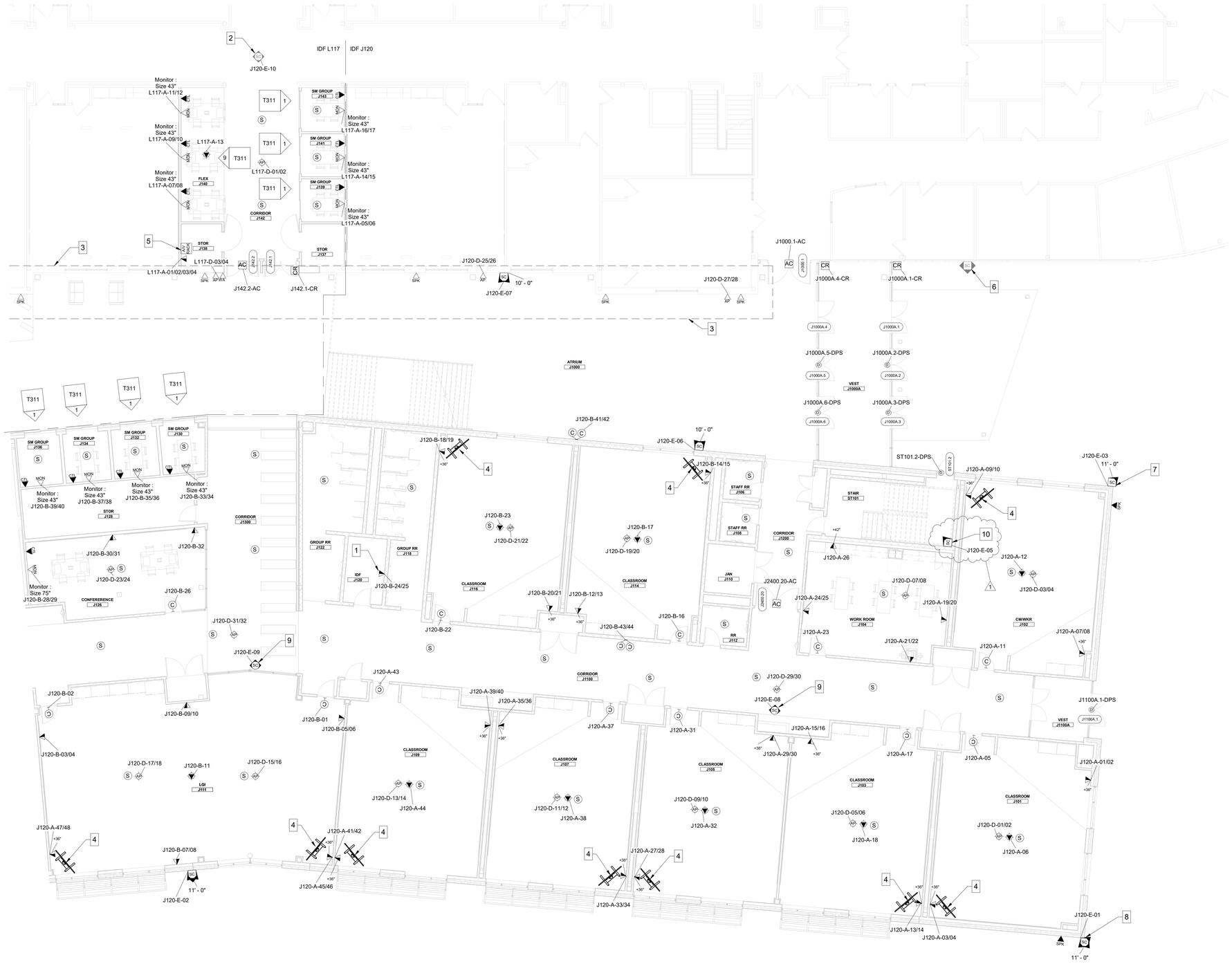
1) Sheet T201J - FIRST FLOOR TECHNOLOGY PLAN - UNIT J
   - **a)** Security camera J120-E-05 changed from dual-sensor to single sensor and shifted to corner of stairwell. Added sheet note #10 and corresponding callout to define camera mounting height.
   - **b)** Updated data labeling for devices as required.
2) Sheet T201K - FIRST FLOOR TECHNOLOGY PLAN - UNIT K
   - **a)** Changed height of security camera L117-E-05. Added sheet note #6 and corresponding callout to note installation of existing camera.
   - **b)** Changed height of security camera L117-E-06.
   - **c)** Updated data labeling for devices as required.
3) Sheet T201L - FIRST FLOOR TECHNOLOGY PLAN - UNIT L
   - **a)** Changed height of security camera L117-E-09. Shifted camera east to ensure column wraps do not impede camera field-of-view.
   - **b)** Updated data labeling for devices as required.
4) Sheet T201M - FIRST FLOOR TECHNOLOGY PLAN - UNIT M
   - **a)** Changed height of security camera M201A-E-05. Shifted camera east to ensure column wraps do not impede camera field-of-view.
   - **b)** Security camera M201A-E-11 changed from dual-sensor to single sensor and shifted to corner of stairwell. Added sheet note #6 and corresponding callout to define camera mounting height.
   - **c)** Updated data labeling for devices as required.
5) Sheet T202J - SECOND FLOOR TECHNOLOGY PLAN - UNIT J
   - **a)** Changed existing security camera to new camera. Modified sheet note #2 to indicate removal of existing dual-sensor camera and installation of new multi-sensor camera at same location.
   - **b)** Security camera J220-E-05 changed from dual-sensor to single sensor and shifted to corner of stairwell. Added sheet note #5 and corresponding callout to define camera mounting height.
6) Sheet T202K – SECOND FLOOR TECHNOLOGY PLAN – UNIT K
   - **a)** Updated data labeling for devices as required.
7) Sheet T202L - SECOND FLOOR TECHNOLOGY PLAN - UNIT L
   - **a)** Deleted security camera J220-C-01.
   - **b)** Updated data labeling for devices as required.
8) Sheet T202M - SECOND FLOOR TECHNOLOGY PLAN - UNIT M
   - **a)** Security camera M201A-E-12 changed from dual-sensor to single sensor and shifted to corner of stairwell. Added sheet note #2 and corresponding callout to define camera mounting height.

b) Updated data labeling for devices as required.

9) Sheet T203J - THIRD FLOOR TECHNOLOGY PLAN - UNIT J
   a) Security camera J322-D-01 changed from dual-sensor to single sensor and shifted to cover stairs. Added sheet note #6 and corresponding callout to define camera mounting height.
   b) Updated data labeling for devices as required.
10) Sheet T203K – THIRD FLOOR TECHNOLOGY PLAN – UNIT K
   a) Updated data labeling for devices as required.
11) Sheet T203L - THRID FLOOR TECHNOLOGY PLAN - UNIT L
   a) Changed height of security camera L302-D-01.
   b) Deleted security camera L302-D-03.
   c) Relocated security camera L302-D-04 to avoid column.
   d) Updated data labeling for devices as required.
12) Sheet T203M – THIRD FLOOR TECHONOLGOY PLAN – UNIT M
   a) Updated data labeling for devices as required.
13) Sheet T500 - TELECOM / SECURITY SCHEDULES
   a) Removed security camera J220-C-01 from Telecom Schedule - IDF L208 and updated camera labeling.
   b) Updated labeling for “TELECOM SCHEDULE – IDF J120 & TELECOM SCHEDULE – IDF L117” so that devices are shown in the correct schedule and order.
14) Sheet T501 - TELECOM / SECURITY SCHEDULES
   a) Removed security camera L302-D-03 from Telecom Schedule - IDF L302 and updated camera labeling.
   b) Updated labeling for “TELECOM SCHEDULE – IDF M201A &TELECOM SCHEDULE – IDF L302” so that devices are shown in the correct order.

SHEET INDEX:

T201J - FIRST FLOOR TECHNOLOGY PLAN - UNIT J
T201K - FIRST FLOOR TECHNOLOGY PLAN - UNIT K
T201L - FIRST FLOOR TECHNOLOGY PLAN - UNIT L
T201M - FIRST FLOOR TECHNOLOGY PLAN - UNIT M
T202J - SECOND FLOOR TECHNOLOGY PLAN - UNIT J
T202K -SECOND FLOOR TECHNOLOGY PLAN - UNIT K
T202L - SECOND FLOOR TECHNOLOGY PLAN - UNIT L
T202M - SECOND FLOOR TECHNOLOGY PLAN - UNIT M
T203J - THIRD FLOOR TECHNOLOGY PLAN - UNIT J
T203K – THIRD FLOOR TECHNOLOGY PLAN – UNIT K
T203L - THIRD FLOOR TECHNOLOGY PLAN - UNIT L
T203M – THRID FLOOR TECHNOLOGY PLAN – UNIT M
T500 - TELECOM / SECURITY SCHEDULES
T501 - TELECOM / SECURITY SCHEDULES



1 FIRST FLOOR TECHNOLOGY PLAN - UNIT J
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

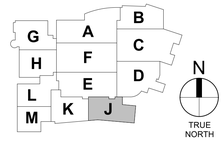
A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

	DATA LOCATION
	ABOVE CEILING DATA LOCATION
	AV INPUT LOCATION
AV	AV FLOOR BOX LOCATION
BT	BLUETOOTH RECEIVER LOCATION
AUD	AUDIO CONNECTION LOCATION
VID	VIDEO CONNECTION LOCATION
MC	MOBLE CART CONNECTION
	AV CONTROL LOCATION
TP	TOUCH PANEL LOCATION
MON	MONITOR LOCATION
DS	DIGITAL SIGNAGE LOCATION
C	CLOCK LOCATION
C C	DUAL SIDED CLOCK LOCATION
WA	WIRELESS MICROPHONE ANTENNA LOCATION
HA	HEARING ASSISTANCE ANTENNA LOCATION
LB	LOUDSPEAKER JUNCTION BOX LOCATION
S	CEILING MOUNTED LOUDSPEAKER LOCATION
S	CEILING SPEAKER - PAGING LOCATION
SPK	WALL MOUNTED LOUDSPEAKER LOCATION
SPK	WALL MOUNTED SPEAKER - PAGING LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
A/V RACK	AV EQUIPMENT RACK LOCATION
D	DOOR POSITION SENSOR LOCATION
CR	CARD READER LOCATION
AC	ACCESS CONTROL SYSTEM HOLD-OPENS
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. DATA LOCATION INSTALLED ADJACENT TO ACCESS CONTROL ENCLOSURE. CONTRACTOR SHALL PROVIDE AND INSTALL PATCH CORD(S) FROM DATA LOCATION TO ENCLOSURE AS REQUIRED.
2. ADD EXISTING 2.4mm LENS MODULE TO EXISTING CAMERA.
3. DEVICES SHOWN WITHIN OUTLINE SHALL BE STUBBED DIRECTLY THROUGH EXISTING WALL ABOVE CEILING HEIGHT ON OTHER SIDE OF WALL. CABLING SHALL CONTINUE TO DESIGNATED POINT OF TERMINATION VIA J-HOOKS AND CONDUIT AS REQUIRED.
4. C.F.C.I. 75" FLAT PANEL DISPLAY MOUNTED TO MOBILE CART. REFER TO SPECIFICATION 27 41 16 FOR ADDITIONAL INFORMATION.
5. AV EQUIPMENT RACK SERVING ATRIUM. DATA LOCATION SERVING RACK SHALL BE INSTALLED BEHIND RACK WITHIN RACK KNOCKOUT AT 46" AFF.
6. EXISTING SECURITY CAMERA TO REMAIN.
7. INSTALL EXISTING HANWHA XNP-6321H PTZ CAMERA AT THIS LOCATION.
8. NSTALL EXISTING HANWHA PNM-9000VQ CAMERA AT THIS LOCATION WITH THREE (3) 2.4mm LENS MODULES.
9. INSTALL EXISTING HANWHA PNM-9000VQ CAMERA AT THIS LOCATION WITH ONE (1) 2.4mm LENS MODULES IN NORTH POSITION AND TWO (2) 6mm LENS MODULES IN EAST/WEST POSITIONS.
10. MOUNT CAMERA AT 12' 10" ABOVE STAIR LANDING.



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BICSI
DOUGLAS J DRISCOLL
BICSI ID# 123408
EXPIRES 12-31-23
RCDD

REVISIONS:			
	#	Date	Desc.
	1	08/31/2022	ADDENDUM #1

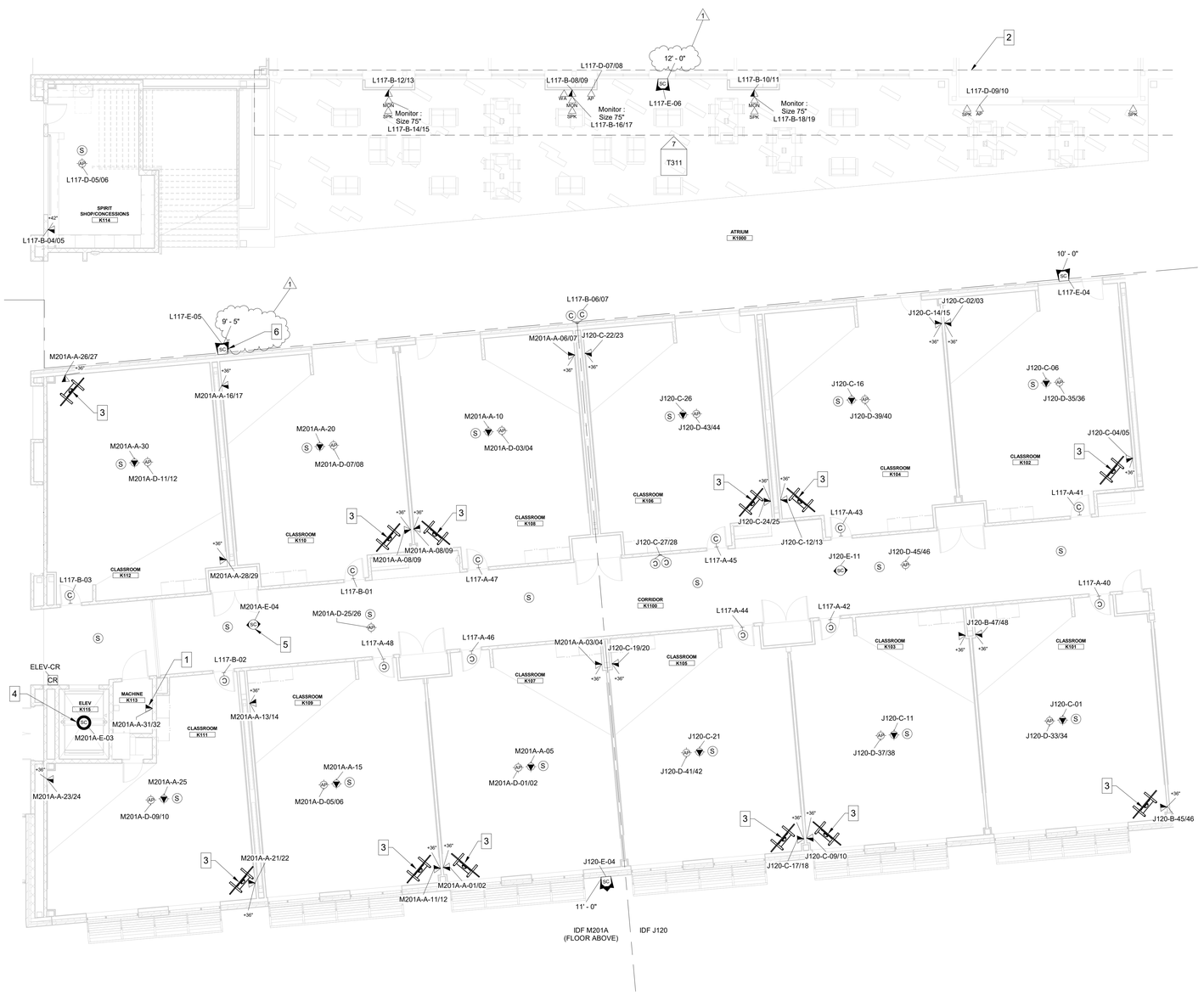
100% CONSTRUCTION DOCUMENT

PROJECT:	#22130
DATE:	07-28-2023
DRAWN BY:	MRF

FIRST FLOOR TECHNOLOGY PLAN - UNIT J

T201J

PLOT DATE/TIME:8/30/2023 10:16:21 AM



1 FIRST FLOOR TECHNOLOGY PLAN - UNIT K
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

- DATA LOCATION
- ABOVE CEILING DATA LOCATION
- AV INPUT LOCATION
- AV FLOOR BOX LOCATION
- BLUETOOTH RECEIVER LOCATION
- AUDIO CONNECTION LOCATION
- VIDEO CONNECTION LOCATION
- MOBLE CART CONNECTION
- AV CONTROL LOCATION
- TOUCH PANEL LOCATION
- MONITOR LOCATION
- DIGITAL SIGNAGE LOCATION
- CLOCK LOCATION
- DUAL SIDED CLOCK LOCATION
- WIRELESS MICROPHONE ANTENNA LOCATION
- HEARING ASSISTANCE ANTENNA LOCATION
- LOUDSPEAKER JUNCTION BOX LOCATION
- CEILING MOUNTED LOUDSPEAKER LOCATION
- CEILING SPEAKER - PAGING LOCATION
- WALL MOUNTED LOUDSPEAKER LOCATION
- WALL MOUNTED SPEAKER - PAGING LOCATION
- WIRELESS ACCESS POINT - CEILING MOUNTED
- WIRELESS ACCESS POINT - WALL MOUNTED
- AV EQUIPMENT RACK LOCATION
- DOOR POSITION SENSOR LOCATION
- CARD READER LOCATION
- ACCESS CONTROL SYSTEM HOLD-OPENS
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. DATA LOCATION TO SERVE ELEVATOR CONTROLS AND TELEPHONE LINE. CONTRACTOR SHALL PROVIDE AND INSTALL CAT 6 PATCH CORD(S) FROM OUTLET TO DEVICE AS REQUIRED.
2. DEVICES SHOWN WITHIN OUTLINE SHALL BE STUBBED DIRECTLY THROUGH EXISTING WALL ABOVE CEILING HEIGHT ON OTHER SIDE OF WALL. CABLING SHALL CONTINUE TO DESIGNATED POINT OF TERMINATION VIA J-HOOKS AND CONDUIT AS REQUIRED.
3. C.F.C.I. 75" FLAT PANEL DISPLAY MOUNTED TO MOBILE CART. REFER TO SPECIFICATION 27 41 16 FOR ADDITIONAL INFORMATION.
4. INSTALL EXISTING HANWHA PNF-9010RV CAMERA AT THIS LOCATION.
5. INSTALL EXISTING HANWHA PNM-7000VD CAMERA AT THIS LOCATION WITH LENSES IN HALLWAY VIEW ORIENTATION.
6. INSTALL EXISTING HANWHA PNM-7000VD CAMERA AT THIS LOCATION.

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EXPIRES 12-31-23
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REVISIONS:

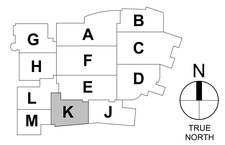
#	Date	Desc.
1	08/31/202 3	ADDENDUM #1

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: MRF

FIRST FLOOR TECHNOLOGY PLAN - UNIT K

T201K



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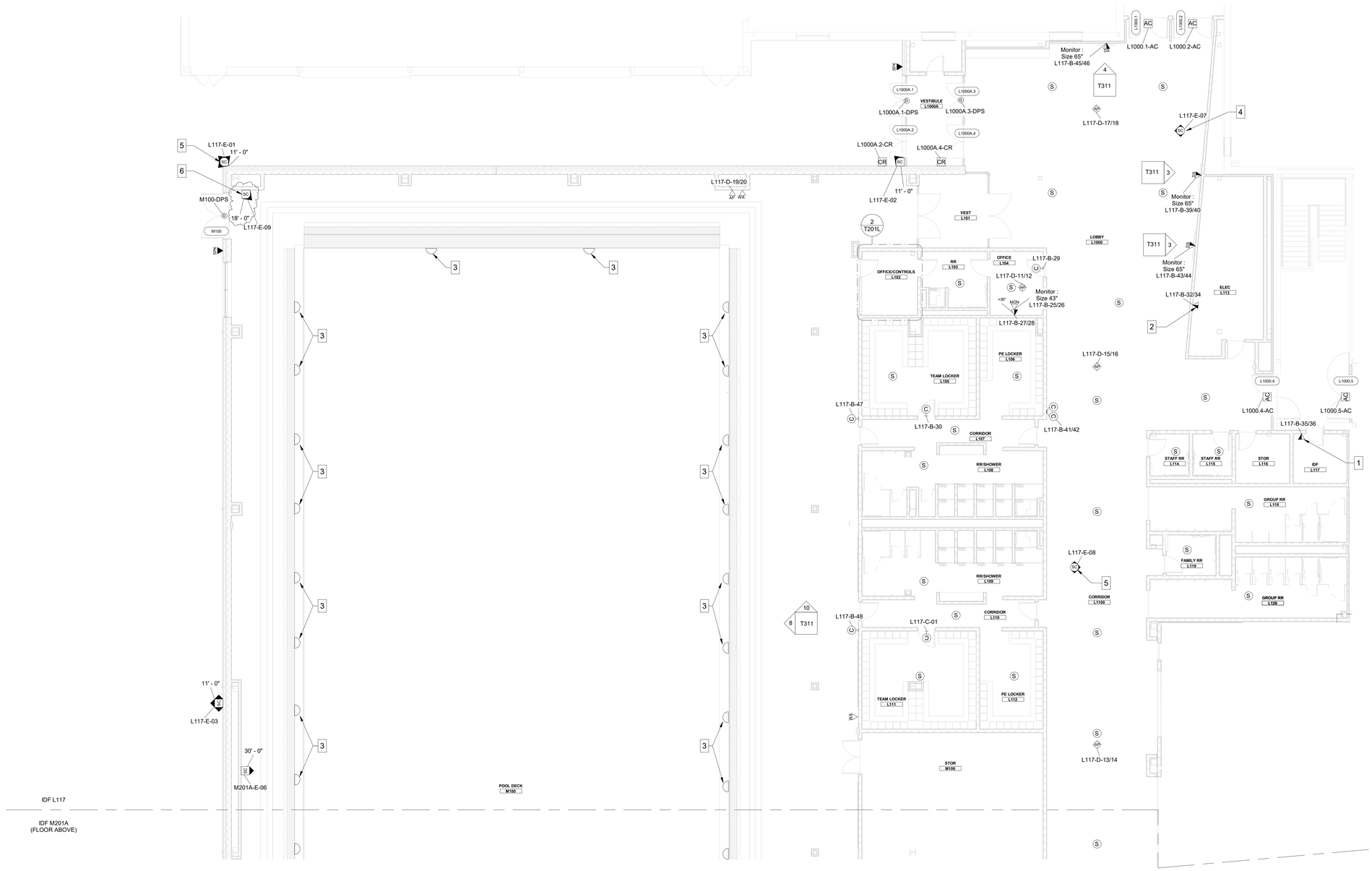
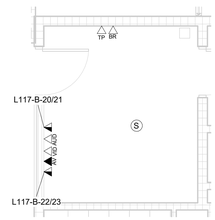


1 FIRST FLOOR TECHNOLOGY PLAN - UNIT L
1/8" = 1'-0"



2 FIRST FLOOR TECHNOLOGY PLAN - OFFICE/CONTROLS L102
1/4" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

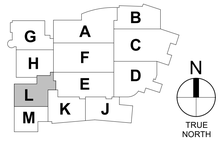
A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

	DATA LOCATION
	ABOVE CEILING DATA LOCATION
	AV INPUT LOCATION
AV	AV FLOOR BOX LOCATION
BR	BLUETOOTH RECEIVER LOCATION
AUD	AUDIO CONNECTION LOCATION
VID	VIDEO CONNECTION LOCATION
MC	MOBLE CART CONNECTION
	AV CONTROL LOCATION
TP	TOUCH PANEL LOCATION
MON	MONITOR LOCATION
DS	DIGITAL SIGNAGE LOCATION
C	CLOCK LOCATION
C C	DUAL SIDED CLOCK LOCATION
WA	WIRELESS MICROPHONE ANTENNA LOCATION
HA	HEARING ASSISTANCE ANTENNA LOCATION
LS	LOUDSPEAKER JUNCTION BOX LOCATION
S	CEILING MOUNTED LOUDSPEAKER LOCATION
S	CEILING SPEAKER - PAGING LOCATION
SPK	WALL MOUNTED LOUDSPEAKER LOCATION
SPK	WALL MOUNTED SPEAKER - PAGING LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
AV RACK	AV EQUIPMENT RACK LOCATION
D	DOOR POSITION SENSOR LOCATION
CR	CARD READER LOCATION
AC	ACCESS CONTROL SYSTEM HOLD-OPENS
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. DATA LOCATION INSTALLED ADJACENT TO ACCESS CONTROL ENCLOSURE. CONTRACTOR SHALL PROVIDE AND INSTALL PATCH CORD(S) FROM DATA LOCATION TO ENCLOSURE AS REQUIRED.
2. DATA LOCATION TO SERVE BUILDING AUTOMATION SYSTEM / CONTROLS CONNECTIVITY. CONTRACTOR SHALL PROVIDE AND INSTALL CAT 6 PATCH CORD(S) FROM OUTLET TO DEVICE AS REQUIRED.
3. APPROXIMATE LOCATION OF DROWNING DETECTION SYSTEM CAMERA (PROVIDED AND INSTALLED BY OTHERS). CONTRACTOR SHALL PROVIDE 1" EMT CONDUIT FROM EACH LIGHT/CAMERA LOCATION TO AN ACCESSIBLE JUNCTION BOX, AND THEN A 1" CONDUIT FROM THE JUNCTION BOX HOMERAN BACK TO AV ROOM L201. JUNCTION BOX SHALL BE PROVIDED BY THE DROWNING DETECTION SYSTEM MANUFACTURER AND INSTALLED BY THE CONTRACTOR. PROVIDE ONE CAT 6 CABLE FROM THE NETWORK SWITCH WITHIN THE DROWNING DETECTION SYSTEM RACK (PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR) TO THE ACCESSIBLE JUNCTION BOX. CABLE SHALL BE TERMINATED WITH A MALE RJ45 CONNECTOR AT THE RACK END FOR DIRECT CONNECTION TO SWITCH AND TERMINATED IN A 1-PORT SURFACE MOUNT BOX WITH A FEMALE RJ45 CONECTION WITHIN THE JUNCTION BOX. PROVIDE MINIMUM 5' SERVICE LOOP ON EACH END. REFER TO AQ-SERIES DRAWINGS FOR FINAL CAMERA/LIGHT LOCATIONS. COORDINATE ALL INFRASTRUCTURE AND CABLING COMPINENTS OF SYSTEM WITH MANUFACTURER PRIOR TO INSTALLATION.
4. INSTALL ONE (1) EXISTING 2.4mm LENS MODULE AND TWO (2) NEW LENS MODULES WITH NEW CAMERA AT THIS LOCATION.
5. INSTALL EXISTING HANWHA PNM-9000VQ CAMERA AT THIS LOCATION WITH THREE (3) 2.4mm LENS MODULES.
6. INSTALL EXISTING HANWHA XNO-L6080R CAMERA AT THIS LOCATION.



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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
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DOUGLAS J DRISCOLL
BICSI ID# 123406
EXPIRES 12-31-23
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REVISIONS:

#	Date	Desc.
1	08/31/202 3	ADDENDUM #1

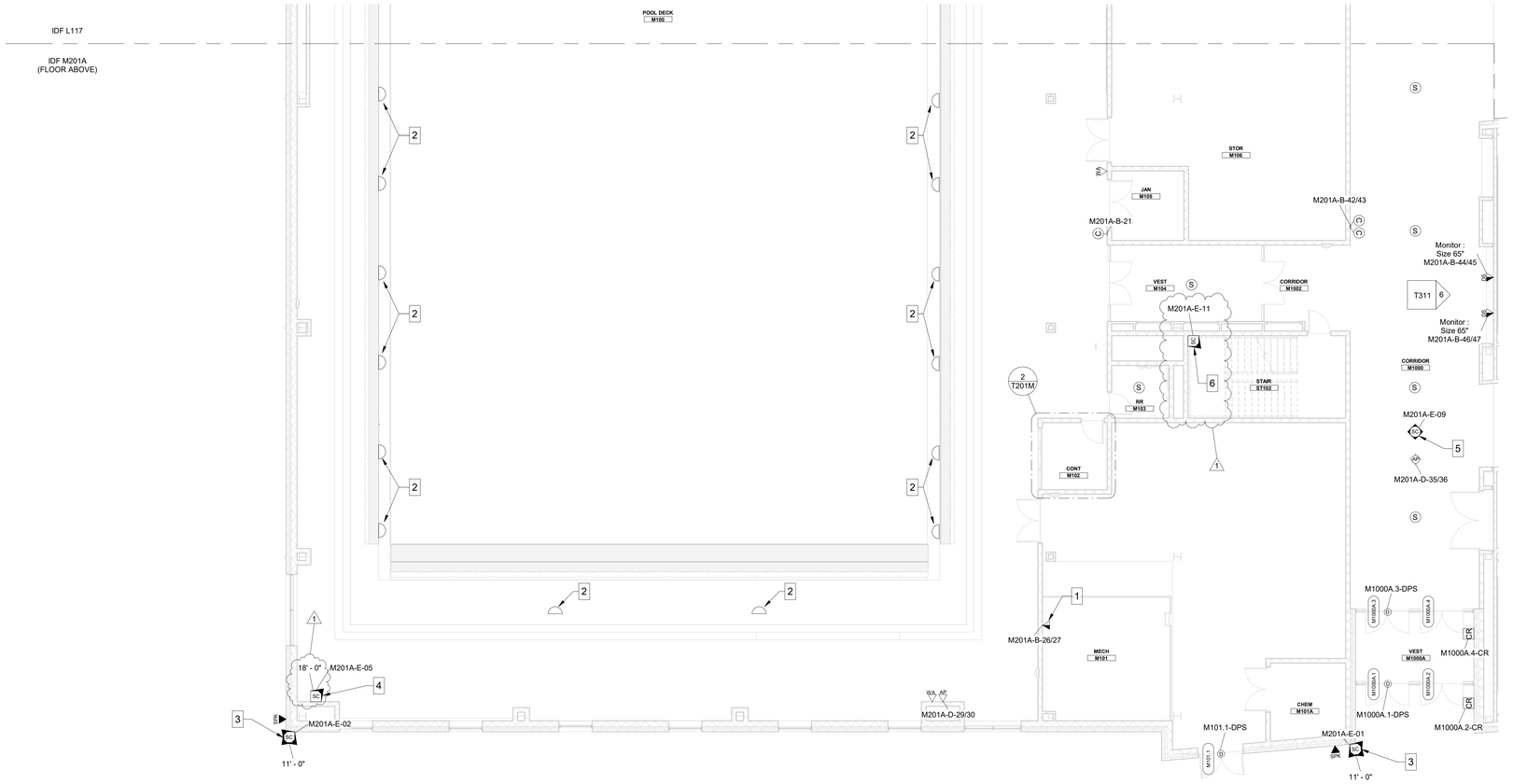
100% CONSTRUCTION DOCUMENT

PROJECT:	#22130
DATE:	07-28-2023
DRAWN BY:	MRF

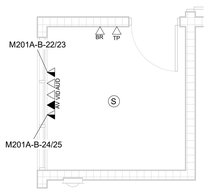
FIRST FLOOR TECHNOLOGY PLAN - UNIT L

T201L

PLOT DATE/TIME:8/30/2023 10:16:26 AM



1 FIRST FLOOR TECHNOLOGY PLAN - UNIT M
1/8" = 1'-0"



2 FIRST FLOOR TECHNOLOGY PLAN - CONT M102
1/4" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

	DATA LOCATION
	ABOVE CEILING DATA LOCATION
	AV INPUT LOCATION
AV	AV FLOOR BOX LOCATION
BR	BLUETOOTH RECEIVER LOCATION
AUD	AUDIO CONNECTION LOCATION
VID	VIDEO CONNECTION LOCATION
MC	MOBLE CART CONNECTION
	AV CONTROL LOCATION
TP	TOUCH PANEL LOCATION
MON	MONITOR LOCATION
DS	DIGITAL SIGNAGE LOCATION
C	CLOCK LOCATION
C C	DUAL SIDED CLOCK LOCATION
WA	WIRELESS MICROPHONE ANTENNA LOCATION
HA	HEARING ASSISTANCE ANTENNA LOCATION
LB	LOUDSPEAKER JUNCTION BOX LOCATION
S	CEILING MOUNTED LOUDSPEAKER LOCATION
S	CEILING SPEAKER - PAGING LOCATION
SPK	WALL MOUNTED LOUDSPEAKER LOCATION
SPK	WALL MOUNTED SPEAKER - PAGING LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
A/V RACK	AV EQUIPMENT RACK LOCATION
D	DOOR POSITION SENSOR LOCATION
CR	CARD READER LOCATION
AC	ACCESS CONTROL SYSTEM HOLD-OPENS
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. DATA LOCATION TO SERVE BUILDING AUTOMATION SYSTEM / CONTROLS CONNECTIVITY. CONTRACTOR SHALL PROVIDE AND INSTALL CAT 6 PATCH CORD(S) FROM OUTLET TO DEVICE AS REQUIRED.
2. APPROXIMATE LOCATION OF DROWNING DETECTION SYSTEM CAMERA (PROVIDED AND INSTALLED BY OTHERS). CONTRACTOR SHALL PROVIDE 1" EMT CONDUIT FROM EACH LIGHT/CAMERA LOCATION TO AN ACCESSIBLE JUNCTION BOX, AND THEN A 1" CONDUIT FROM THE JUNCTION BOX HOMERAN BACK TO AV ROOM L201. JUNCTION BOX SHALL BE PROVIDED BY THE DRWONING DETECTION SYSTEM MANUFACTURER AND INSTALLED BY THE CONTRACTOR. PROVIDE ONE CAT 6 CABLE FROM THE NETWORK SWITCH WITHIN THE DROWNING DETECTION SYSTEM RACK (PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR) TO THE ACCESSIBLE JUNCTION BOX. CABLE SHALL BE TERMINATED WITH A MALE RJ45 CONNECTOR AT THE RACK END FOR DIRECT CONNECTION TO SWITCH AND TERMINATED IN A 1-PORT SURFACE MOUNT BOX WITH A FEMALE RJ45 CONECTION WITHIN THE JUNCTION BOX. PROVIDE MINIMUM 5' SERVICE LOOP ON EACH END. REFER TO AQ-SERIES DRAWINGS FOR FINAL CAMERA/LIGHT LOCATIONS. COORDINATE ALL INFRASTRUCTURE AND CABLING COMPINENTS OF SYSTEM WITH MANUFACTURER PRIOR TO INSTALLATION.
3. INSTALL EXISTING HANWHA PNM-9000VQ CAMERA AT THIS LOCATION WITH THREE (3) 2.4mm LENS MODULES.
4. INSTALL EXISTING HANWHA XNO-L6080R CAMERA AT THIS LOCATION.
5. INSTALL EXISTING HANWHA PNM-9000VQ CAMERA AT THIS LOCATION WITH TWO (2) 2.4mm LENS MODULES IN NORTH/SOUTH POSITIONS AND TWO (2) 6mm LENS MODULES IN EAST/WEST POSITIONS.
6. MOUNT CAMERA AT 12' 10" ABOVE STAIR LANDING.

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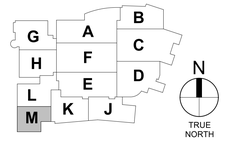
100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: MRF

FIRST FLOOR TECHNOLOGY PLAN - UNIT M

T201M



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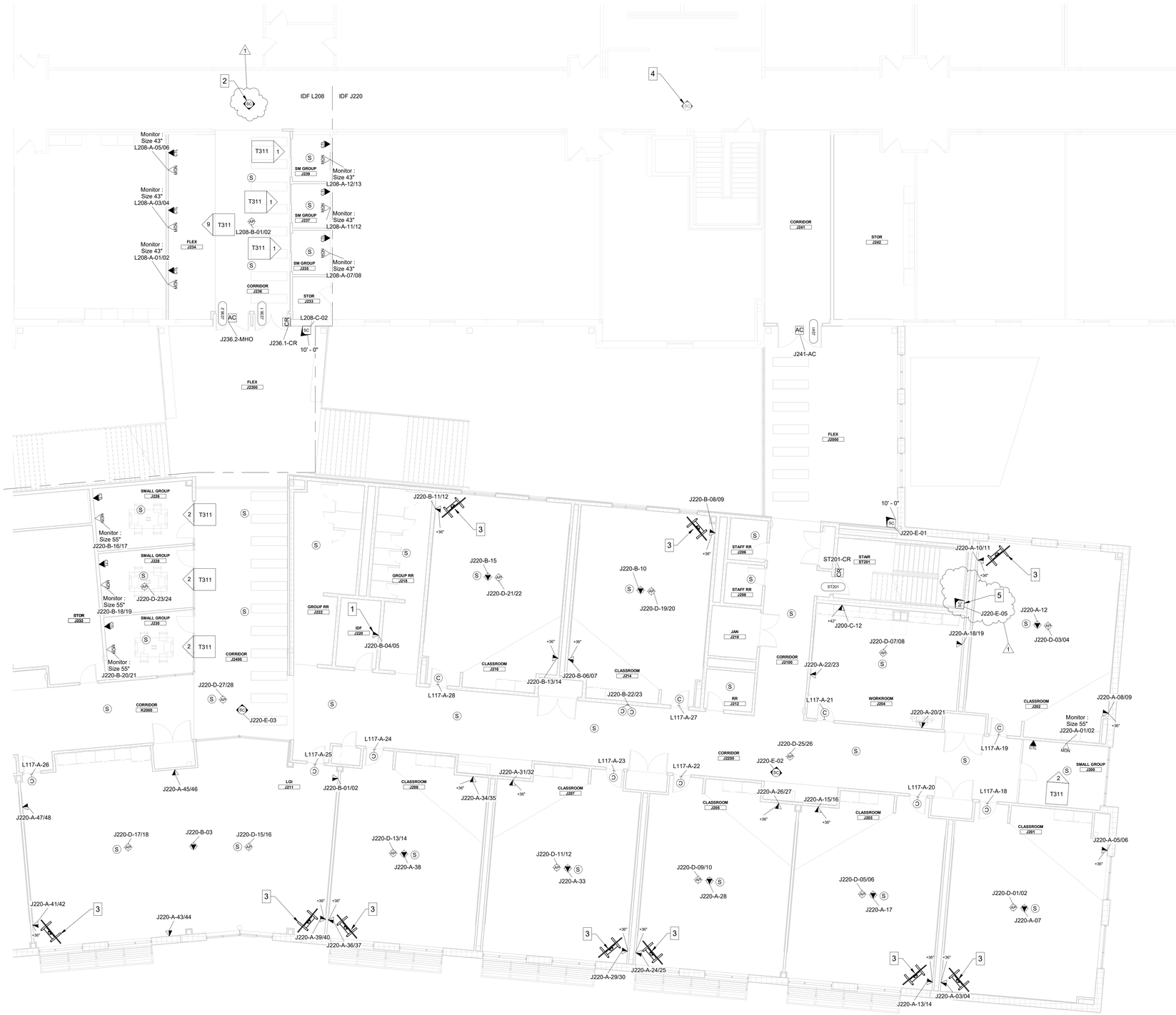

1 SECOND FLOOR TECHNOLOGY PLAN - UNIT J
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

- DATA LOCATION
- ABOVE CEILING DATA LOCATION
- AV INPUT LOCATION
- AV FLOOR BOX LOCATION
- BLUETOOTH RECEIVER LOCATION
- AUDIO CONNECTION LOCATION
- VIDEO CONNECTION LOCATION
- MOBLE CART CONNECTION
- AV CONTROL LOCATION
- TOUCH PANEL LOCATION
- MONITOR LOCATION
- DIGITAL SIGNAGE LOCATION
- CLOCK LOCATION
- DUAL SIDED CLOCK LOCATION
- WIRELESS MICROPHONE ANTENNA LOCATION
- HEARING ASSISTANCE ANTENNA LOCATION
- LOUDSPEAKER JUNCTION BOX LOCATION
- CEILING MOUNTED LOUDSPEAKER LOCATION
- CEILING SPEAKER - PAGING LOCATION
- WALL MOUNTED LOUDSPEAKER LOCATION
- WALL MOUNTED SPEAKER - PAGING LOCATION
- WIRELESS ACCESS POINT - CEILING MOUNTED
- WIRELESS ACCESS POINT - WALL MOUNTED
- AV EQUIPMENT RACK LOCATION
- DOOR POSITION SENSOR LOCATION
- CARD READER LOCATION
- ACCESS CONTROL SYSTEM HOLD-OPENS
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. DATA LOCATION INSTALLED ADJACENT TO ACCESS CONTROL ENCLOSURE. CONTRACTOR SHALL PROVIDE AND INSTALL PATCH CORD(S) FROM DATA LOCATION TO ENCLOSURE AS REQUIRED.
2. EXISTING DUAL SENSOR SECURITY CAMERA TO BE REMOVED FOR INSTALLATION ELSEWHERE. INSTALL NEW MULTI-SENSOR CAMERA AT THIS LOCATION. EXISTING CABLING SHALL REMAIN FOR REUSE WITH NEW CAMERA.
3. C.F.C.I. 75" FLAT PANEL DISPLAY MOUNTED TO MOBILE CART. REFER TO SPECIFICATION 27 41 16 FOR ADDITIONAL INFORMATION.
4. EXISTING SECURITY CAMERA TO REMAIN.
5. MOUNT CAMERA AT 13' 6" ABOVE STAIR LANDING.

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427 S. COLLEGE AVE
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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
DOUGLAS J DRISCOLL
BICSI ID# 123408
EXPIRES 12-31-23
RCDD

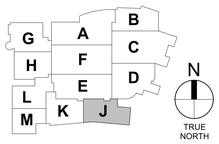
REVISIONS:	#	Date	Desc.
1	1	08/31/202 3	ADDENDUM #1

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: MRF

SECOND FLOOR TECHNOLOGY PLAN - UNIT J

T202J



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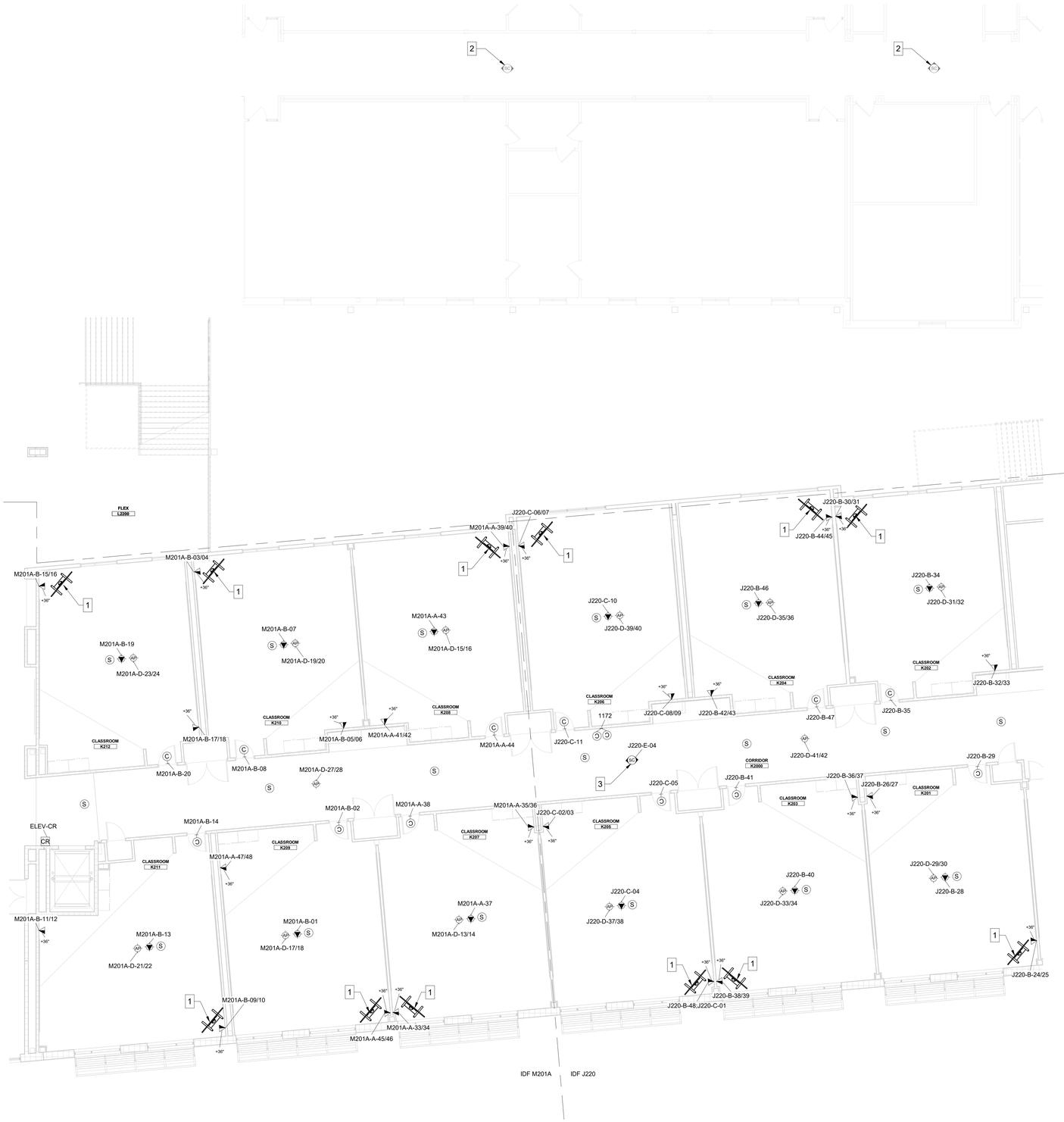

SECOND FLOOR TECHNOLOGY PLAN - UNIT K
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

	DATA LOCATION
	ABOVE CEILING DATA LOCATION
	AV INPUT LOCATION
AV	AV FLOOR BOX LOCATION
BT	BLUETOOTH RECEIVER LOCATION
AUD	AUDIO CONNECTION LOCATION
VID	VIDEO CONNECTION LOCATION
MC	MOBLE CART CONNECTION
	AV CONTROL LOCATION
TP	TOUCH PANEL LOCATION
MON	MONITOR LOCATION
DS	DIGITAL SIGNAGE LOCATION
C	CLOCK LOCATION
C C	DUAL SIDED CLOCK LOCATION
MA	WIRELESS MICROPHONE ANTENNA LOCATION
HA	HEARING ASSISTANCE ANTENNA LOCATION
LS	LOUDSPEAKER JUNCTION BOX LOCATION
S	CEILING MOUNTED LOUDSPEAKER LOCATION
S	CEILING SPEAKER - PAGING LOCATION
SPK	WALL MOUNTED LOUDSPEAKER LOCATION
SPK	WALL MOUNTED SPEAKER - PAGING LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
AV RACK	AV EQUIPMENT RACK LOCATION
D	DOOR POSITION SENSOR LOCATION
CR	CARD READER LOCATION
AC	ACCESS CONTROL SYSTEM HOLD-OPENS
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. C.F.C.I. 75" FLAT PANEL DISPLAY MOUNTED TO MOBILE CART. REFER TO SPECIFICATION 27 41 16 FOR ADDITIONAL INFORMATION.
2. EXISTING SECURITY CAMERA TO REMAIN.
3. INSTALL EXISTING HANWHA PNM-7000VD CAMERA AT THIS LOCATION WITH LENSES IN HALLWAY VIEW ORIENTATION.

LANCER ASSOCIATES ARCHITECTURE
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INDIANAPOLIS, IN 46203

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DOUGLAS J DRISCOLL
BICSI ID# 123408
EXPIRES 12-31-23
RCDD

REVISIONS:

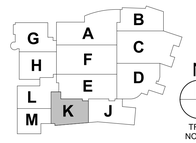
#	Date	Desc.
1	08/31/202	ADDENDUM #1
2		
3		

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: MRF

SECOND FLOOR TECHNOLOGY PLAN - UNIT K

T202K



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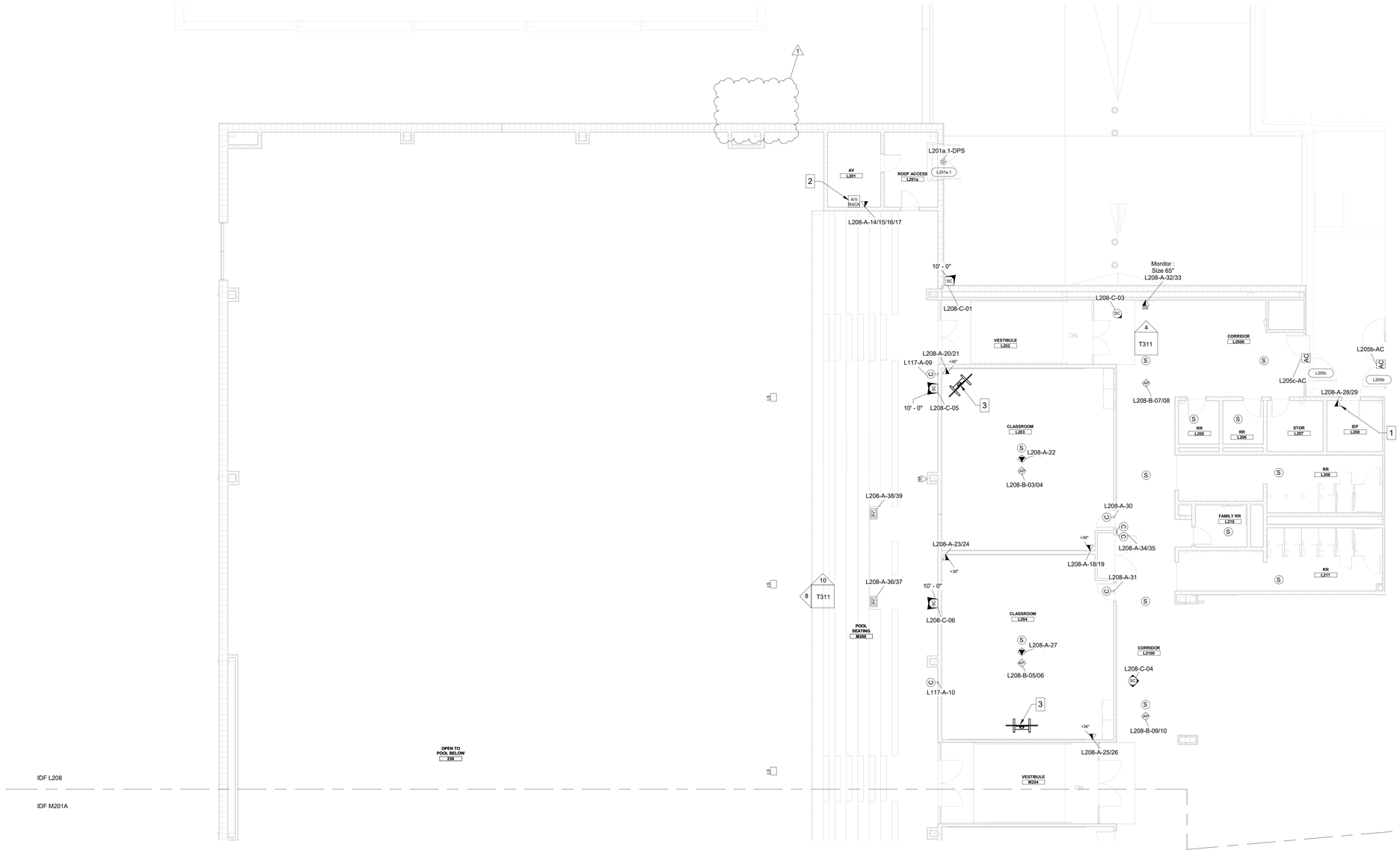

1 SECOND FLOOR TECHNOLOGY PLAN - UNIT L
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

- DATA LOCATION
- ABOVE CEILING DATA LOCATION
- AV INPUT LOCATION
- AV — AV FLOOR BOX LOCATION
- BT — BLUETOOTH RECEIVER LOCATION
- AUD — AUDIO CONNECTION LOCATION
- VID — VIDEO CONNECTION LOCATION
- MC — MOBLE CART CONNECTION
- AV CONTROL LOCATION
- TP — TOUCH PANEL LOCATION
- MON — MONITOR LOCATION
- DS — DIGITAL SIGNAGE LOCATION
- C — CLOCK LOCATION
- C C — DUAL SIDED CLOCK LOCATION
- WM — WIRELESS MICROPHONE ANTENNA LOCATION
- HA — HEARING ASSISTANCE ANTENNA LOCATION
- LS — LOUDSPEAKER JUNCTION BOX LOCATION
- S — CEILING MOUNTED LOUDSPEAKER LOCATION
- S — CEILING SPEAKER - PAGING LOCATION
- WPS — WALL MOUNTED LOUDSPEAKER LOCATION
- WPS — WALL MOUNTED SPEAKER - PAGING LOCATION
- AP — WIRELESS ACCESS POINT - CEILING MOUNTED
- AP — WIRELESS ACCESS POINT - WALL MOUNTED
- AV RACK — AV EQUIPMENT RACK LOCATION
- DP — DOOR POSITION SENSOR LOCATION
- CR — CARD READER LOCATION
- AC — ACCESS CONTROL SYSTEM HOLD-OPENS
- SC — SECURITY CAMERA - CEILING MOUNTED
- SC — SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. DATA LOCATION INSTALLED ADJACENT TO ACCESS CONTROL ENCLOSURE. CONTRACTOR SHALL PROVIDE AND INSTALL PATCH CORD(S) FROM DATA LOCATION TO ENCLOSURE AS REQUIRED.
2. AV EQUIPMENT RACK SERVING POOL.
3. C.F.C.I. 75" FLAT PANEL DISPLAY MOUNTED TO MOBILE CART. REFER TO SPECIFICATION 27 41 16 FOR ADDITIONAL INFORMATION.

LANCER ASSOCIATES ARCHITECTURE
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BICSI
DOUGLAS J DRISCOLL
BICSI ID# 123408
EXPIRES 12-31-23
RCDD

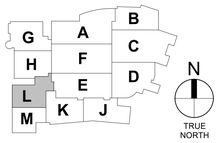
REVISIONS:			
#	Date	Desc.	
1	08/31/202	ADDENDUM #1	
2			
3			

100% CONSTRUCTION DOCUMENT

PROJECT:	#22130
DATE:	07-28-2023
DRAWN BY:	MRF

SECOND FLOOR TECHNOLOGY PLAN - UNIT L

T202L



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SECOND FLOOR TECHNOLOGY PLAN - UNIT M
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

	DATA LOCATION
	ABOVE CEILING DATA LOCATION
	AV INPUT LOCATION
AV	AV FLOOR BOX LOCATION
BT	BLUETOOTH RECEIVER LOCATION
AUD	AUDIO CONNECTION LOCATION
VID	VIDEO CONNECTION LOCATION
MC	MOBLE CART CONNECTION
	AV CONTROL LOCATION
TP	TOUCH PANEL LOCATION
MON	MONITOR LOCATION
DS	DIGITAL SIGNAGE LOCATION
C	CLOCK LOCATION
C C	DUAL SIDED CLOCK LOCATION
WM	WIRELESS MICROPHONE ANTENNA LOCATION
HA	HEARING ASSISTANCE ANTENNA LOCATION
LS	LOUDSPEAKER JUNCTION BOX LOCATION
S	CEILING MOUNTED LOUDSPEAKER LOCATION
S	CEILING SPEAKER - PAGING LOCATION
SPK	WALL MOUNTED LOUDSPEAKER LOCATION
SPK	WALL MOUNTED SPEAKER - PAGING LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
AV RACK	AV EQUIPMENT RACK LOCATION
D	DOOR POSITION SENSOR LOCATION
CR	CARD READER LOCATION
AC	ACCESS CONTROL SYSTEM HOLD-OPENS
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. C.F.C.I. 75" FLAT PANEL DISPLAY MOUNTED TO MOBILE CART. REFER TO SPECIFICATION 27 41 16 FOR ADDITIONAL INFORMATION.
2. MOUNT CAMERA AT 13' 6" ABOVE STAIR LANDING.

LANCER ASSOCIATES ARCHITECTURE
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DOUGLAS J DRISCOLL
BICSI ID# 123408
EXPIRES 12-31-23
RCDD

REVISIONS:

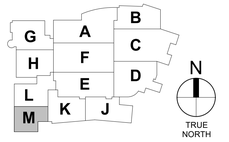
#	Date	Desc.
1	08/31/202 3	ADDENDUM #1

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: MRF

SECOND FLOOR TECHNOLOGY PLAN - UNIT M

T202M



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THIRD FLOOR TECHNOLOGY PLAN - UNIT J

1 1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
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TELECOM LEGEND

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- AUDIO CONNECTION LOCATION
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- CEILING MOUNTED LOUDSPEAKER LOCATION
- CEILING SPEAKER - PAGING LOCATION
- WALL MOUNTED LOUDSPEAKER LOCATION
- WALL MOUNTED SPEAKER - PAGING LOCATION
- WIRELESS ACCESS POINT - CEILING MOUNTED
- WIRELESS ACCESS POINT - WALL MOUNTED
- AV EQUIPMENT RACK LOCATION
- DOOR POSITION SENSOR LOCATION
- CARD READER LOCATION
- ACCESS CONTROL SYSTEM HOLD-OPENS
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. DATA LOCATION INSTALLED ADJACENT TO ACCESS CONTROL ENCLOSURE. CONTRACTOR SHALL PROVIDE AND INSTALL PATCH CORD(S) FROM DATA LOCATION TO ENCLOSURE AS REQUIRED.
2. C.F.C.I. 75" FLAT PANEL DISPLAY MOUNTED TO MOBILE CART. REFER TO SPECIFICATION 27 41 16 FOR ADDITIONAL INFORMATION.
3. DATA LOCATION TO SERVE BUILDING AUTOMATION SYSTEM / CONTROLS CONNECTIVITY. CONTRACTOR SHALL PROVIDE AND INSTALL CAT 6 PATCH CORD(S) FROM OUTLET TO DEVICE AS REQUIRED.
4. AV EQUIPMENT RACK SERVING DIVISIBLE SCIENCE LABS. DATA LOCATION SERVING RACK SHALL BE INSTALLED BEHIND RACK WIHIN RACK KNOCKOUT AT 46" A.F.F.
5. DOOR POSITION SENSOR MONITORING ROOF HATCH. REFER TO T400 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
6. MOUNT CAMERA AT 23' ABOVE STAIR LANDING.

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EXPIRES 12-31-23
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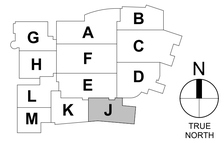
REVISIONS:			
#	Date	Desc.	
1	08/31/202 3	ADDENDUM #1	

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: MRF

THIRD FLOOR TECHNOLOGY PLAN - UNIT J

T203J



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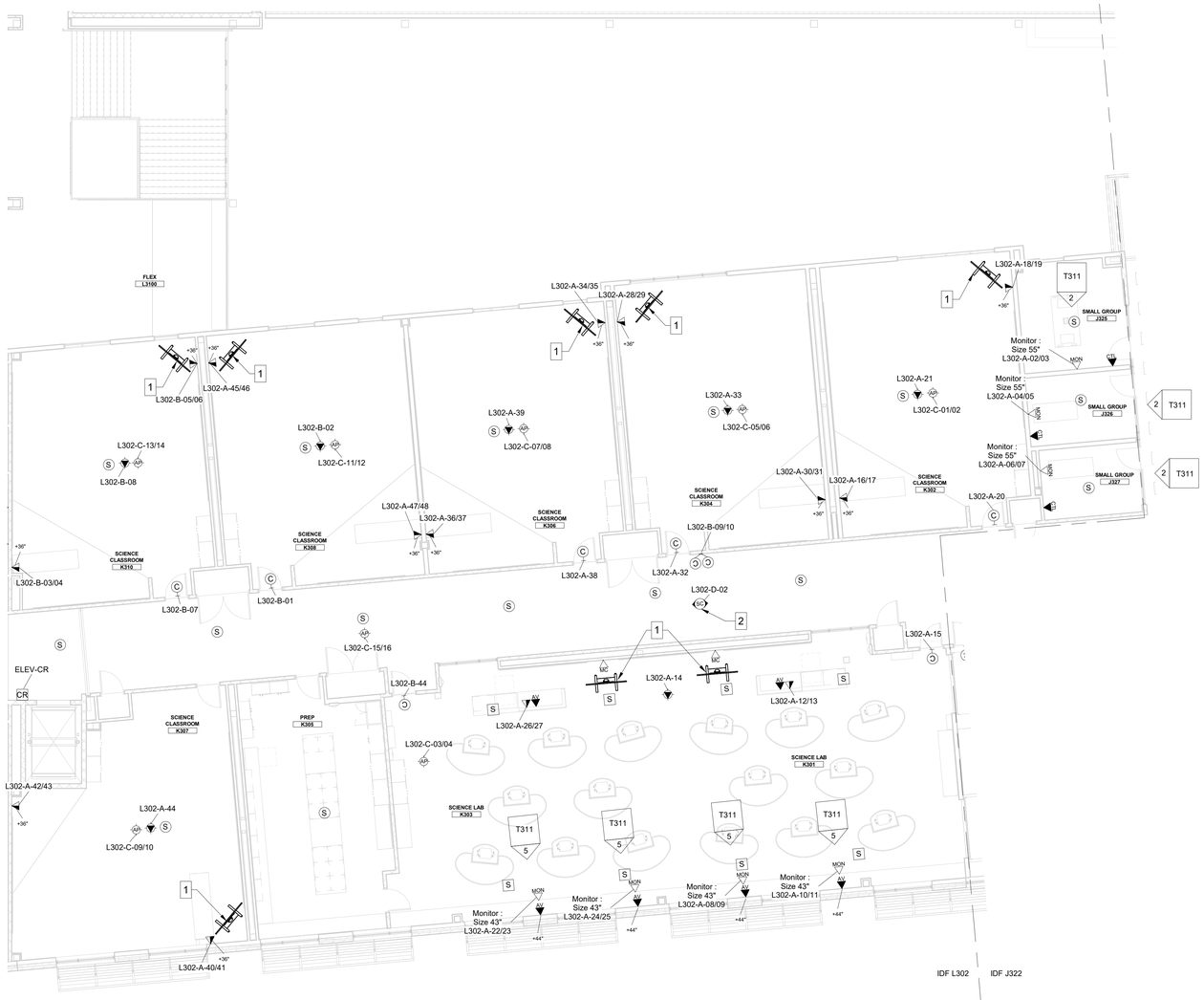

1 THIRD FLOOR TECHNOLOGY PLAN - UNIT K
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

	DATA LOCATION
	ABOVE CEILING DATA LOCATION
	AV INPUT LOCATION
AV	AV FLOOR BOX LOCATION
BT	BLUETOOTH RECEIVER LOCATION
AUD	AUDIO CONNECTION LOCATION
VID	VIDEO CONNECTION LOCATION
MC	MOBLE CART CONNECTION
	AV CONTROL LOCATION
TP	TOUCH PANEL LOCATION
MON	MONITOR LOCATION
DS	DIGITAL SIGNAGE LOCATION
C	CLOCK LOCATION
C C	DUAL SIDED CLOCK LOCATION
WM	WIRELESS MICROPHONE ANTENNA LOCATION
HA	HEARING ASSISTANCE ANTENNA LOCATION
JB	LOUDSPEAKER JUNCTION BOX LOCATION
S	CEILING MOUNTED LOUDSPEAKER LOCATION
S	CEILING SPEAKER - PAGING LOCATION
WSP	WALL MOUNTED LOUDSPEAKER LOCATION
WSP	WALL MOUNTED SPEAKER - PAGING LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
AV RACK	AV EQUIPMENT RACK LOCATION
D	DOOR POSITION SENSOR LOCATION
CR	CARD READER LOCATION
AC	ACCESS CONTROL SYSTEM HOLD-OPENS
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1 C.F.C.I. 75" FLAT PANEL DISPLAY MOUNTED TO MOBILE CART. REFER TO SPECIFICATION 27 41 16 FOR ADDITIONAL INFORMATION.
2 INSTALL EXISTING HANWHA PNM-7000VD CAMERA AT THIS LOCATION WITH LENSES IN HALLWAY VIEW ORIENTATION.

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

DESIGN 27 TECHNOLOGY + ACOUSTICS
1650 E. 49TH ST.
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317.536.8000
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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
DOUGLAS J DRISCOLL
BICSI ID# 123408
EXPIRES 12-31-23
RCDD

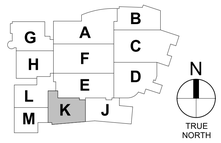
REVISIONS:			
#	Date	Desc.	
1	08/31/2022	ADDENDUM #1	

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: MRF

THIRD FLOOR TECHNOLOGY PLAN - UNIT K

T203K



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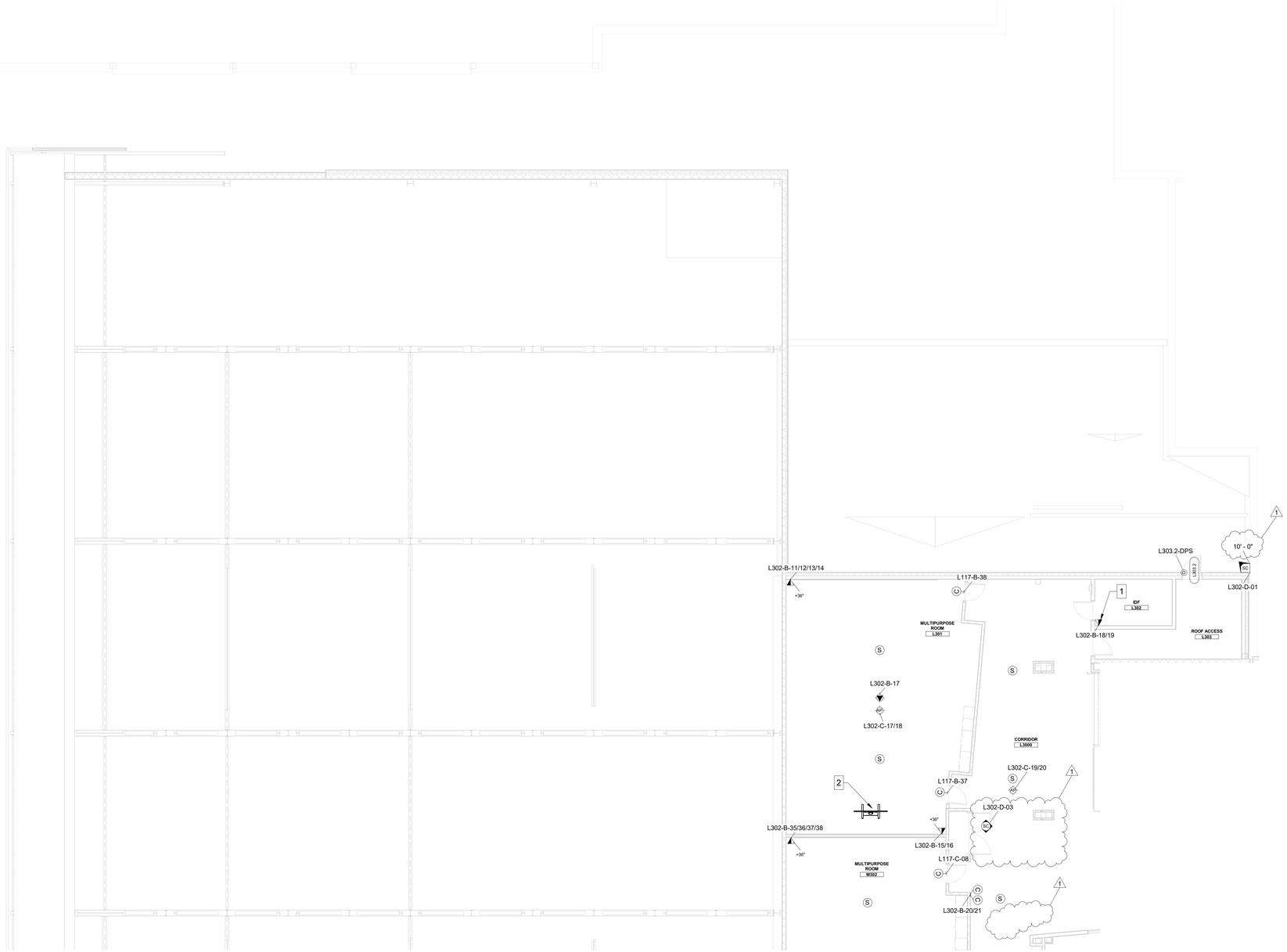

1 THIRD FLOOR TECHNOLOGY PLAN - UNIT L
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

	DATA LOCATION
	ABOVE CEILING DATA LOCATION
	AV INPUT LOCATION
AV	AV FLOOR BOX LOCATION
BT	BLUETOOTH RECEIVER LOCATION
AUD	AUDIO CONNECTION LOCATION
VID	VIDEO CONNECTION LOCATION
MC	MOBLE CART CONNECTION
	AV CONTROL LOCATION
TP	TOUCH PANEL LOCATION
MON	MONITOR LOCATION
DS	DIGITAL SIGNAGE LOCATION
C	CLOCK LOCATION
C C	DUAL SIDED CLOCK LOCATION
MA	WIRELESS MICROPHONE ANTENNA LOCATION
HA	HEARING ASSISTANCE ANTENNA LOCATION
LS	LOUDSPEAKER JUNCTION BOX LOCATION
S	CEILING MOUNTED LOUDSPEAKER LOCATION
S	CEILING SPEAKER - PAGING LOCATION
WPX	WALL MOUNTED LOUDSPEAKER LOCATION
WPA	WALL MOUNTED SPEAKER - PAGING LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
AV RACK	AV EQUIPMENT RACK LOCATION
D	DOOR POSITION SENSOR LOCATION
CR	CARD READER LOCATION
AC	ACCESS CONTROL SYSTEM HOLD-OPENS
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1 DATA LOCATION INSTALLED ADJACENT TO ACCESS CONTROL ENCLOSURE. CONTRACTOR SHALL PROVIDE AND INSTALL PATCH CORD(S) FOR DATA LOCATION TO ENCLOSURE AS REQUIRED.

2 C.F.C.I. 75" FLAT PANEL DISPLAY MOUNTED TO MOBILE CART. REFER TO SPECIFICATION 27 41 16 FOR ADDITIONAL INFORMATION.

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
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DOUGLAS J DRISCOLL
BICSI ID# 123408
EXPIRES 12-31-23
RCDD

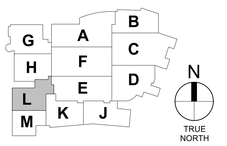
REVISIONS:

#	Date	Desc.
1	08/31/202 3	ADDENDUM #1

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: MRF

THIRD FLOOR TECHNOLOGY PLAN - UNIT L



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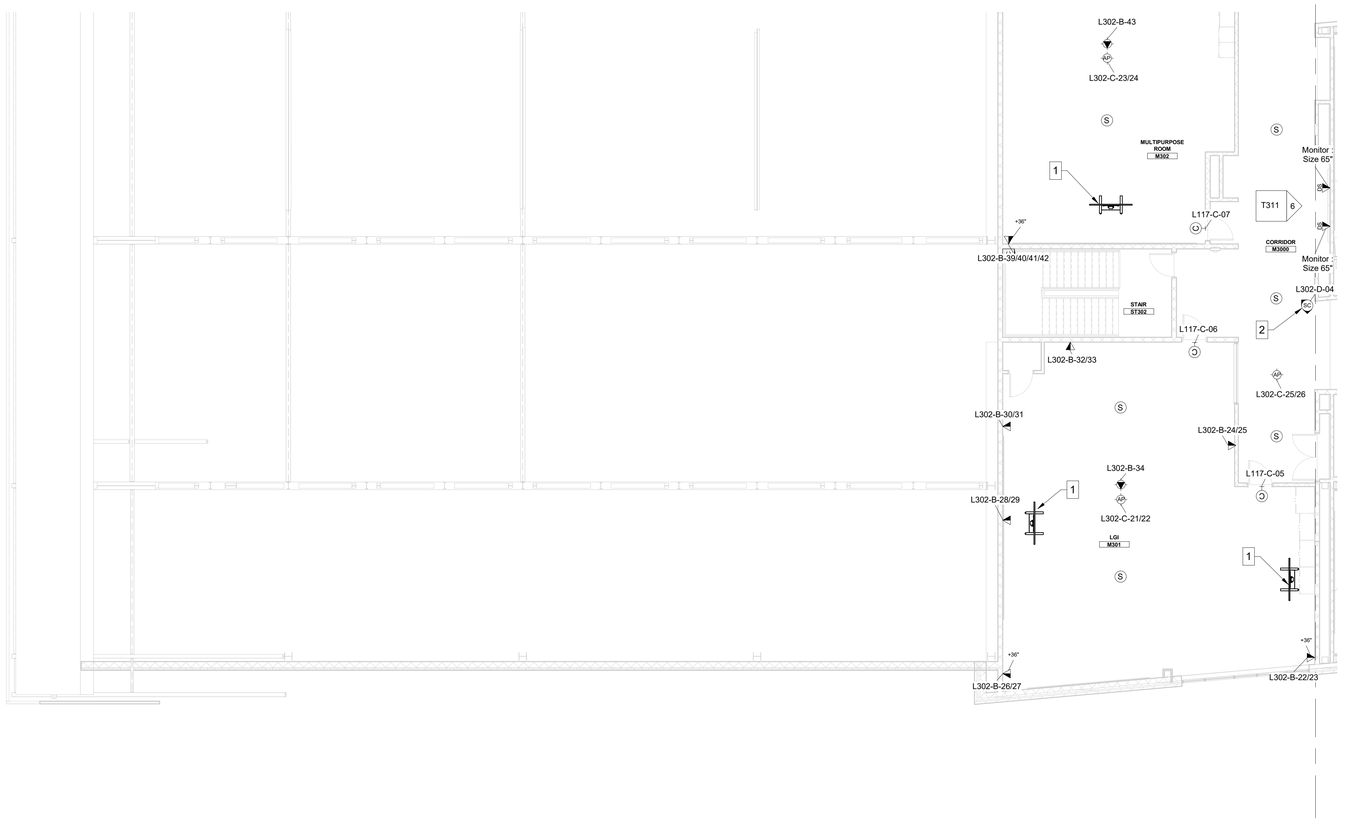

1 THIRD FLOOR TECHNOLOGY PLAN - UNIT M
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 (6A FOR WAPS) COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
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TELECOM LEGEND

	DATA LOCATION
	ABOVE CEILING DATA LOCATION
	AV INPUT LOCATION
AV	AV FLOOR BOX LOCATION
BT	BLUETOOTH RECEIVER LOCATION
AUD	AUDIO CONNECTION LOCATION
VID	VIDEO CONNECTION LOCATION
MC	MOBLE CART CONNECTION
	AV CONTROL LOCATION
TP	TOUCH PANEL LOCATION
MON	MONITOR LOCATION
DS	DIGITAL SIGNAGE LOCATION
C	CLOCK LOCATION
C C	DUAL SIDED CLOCK LOCATION
WA	WIRELESS MICROPHONE ANTENNA LOCATION
HA	HEARING ASSISTANCE ANTENNA LOCATION
LS	LOUDSPEAKER JUNCTION BOX LOCATION
S	CEILING MOUNTED LOUDSPEAKER LOCATION
S	CEILING SPEAKER - PAGING LOCATION
SPK	WALL MOUNTED LOUDSPEAKER LOCATION
SPK	WALL MOUNTED SPEAKER - PAGING LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
AV RACK	AV EQUIPMENT RACK LOCATION
D	DOOR POSITION SENSOR LOCATION
CR	CARD READER LOCATION
AC	ACCESS CONTROL SYSTEM HOLD-OPENS
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1 C.F.C.I. 75" FLAT PANEL DISPLAY MOUNTED TO MOBILE CART. REFER TO SPECIFICATION 27 41 16 FOR ADDITIONAL INFORMATION.
2 INSTALL EXISTING HANWHA PNM-7000VD CAMERA AT THIS LOCATION.

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EXPIRES 12-31-23
RCDD

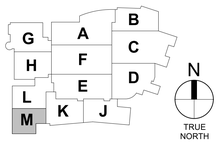
REVISIONS:

#	Date	Desc.
1	08/31/202 3	ADDENDUM #1

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: MRF

THIRD FLOOR TECHNOLOGY PLAN - UNIT M



T203M

PLOT DATE/TIME:8/30/2023 10:16:46 AM

TELECOM SCHEDULE - IDF J120

ROOM NUMBER	TELECOM ROOM	Mark	DATA PORTS	COMMENTS
EXT	IDF J120	J120-E-01	1	SECURITY CAMERA - WALL MOUNTED
EXT	IDF J120	J120-E-02	1	SECURITY CAMERA - WALL MOUNTED
EXT	IDF J120	J120-E-03	1	SECURITY CAMERA - WALL MOUNTED
EXT	IDF J120	J120-E-04	1	SECURITY CAMERA - CEILING MOUNTED
IDF J112	IDF J120	J120-E-05	1	SECURITY CAMERA - WALL MOUNTED
J101	IDF J120	J120-A-01/02	2	DATA LOCATION
J101	IDF J120	J120-A-03/04	2	DATA LOCATION
J101	IDF J120	J120-A-05	1	CLOCK LOCATION
J101	IDF J120	J120-A-06	1	ABOVE CEILING DATA LOCATION
J101	IDF J120	J120-D-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J102	IDF J120	J120-A-07/08	2	DATA LOCATION
J102	IDF J120	J120-A-09/10	2	DATA LOCATION
J102	IDF J120	J120-A-11	1	CLOCK LOCATION
J102	IDF J120	J120-A-12	1	ABOVE CEILING DATA LOCATION
J102	IDF J120	J120-D-03/04	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J103	IDF J120	J120-A-13/14	2	DATA LOCATION
J103	IDF J120	J120-A-15/16	2	DATA LOCATION
J103	IDF J120	J120-A-17	1	CLOCK LOCATION
J103	IDF J120	J120-A-18	1	ABOVE CEILING DATA LOCATION
J103	IDF J120	J120-D-05/06	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J104	IDF J120	J120-A-19/20	2	DATA LOCATION
J104	IDF J120	J120-A-21/22	2	DATA LOCATION
J104	IDF J120	J120-A-23	1	CLOCK LOCATION
J104	IDF J120	J120-A-24/25	2	DATA LOCATION
J104	IDF J120	J120-A-26	1	DATA LOCATION
J104	IDF J120	J120-D-07/08	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J105	IDF J120	J120-A-27/28	2	DATA LOCATION
J105	IDF J120	J120-A-29/30	2	DATA LOCATION
J105	IDF J120	J120-A-31	1	CLOCK LOCATION
J105	IDF J120	J120-A-32	1	ABOVE CEILING DATA LOCATION
J105	IDF J120	J120-D-09/10	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J107	IDF J120	J120-A-33/34	2	DATA LOCATION
J107	IDF J120	J120-A-35/36	2	DATA LOCATION
J107	IDF J120	J120-A-37	1	CLOCK LOCATION
J107	IDF J120	J120-A-38	1	ABOVE CEILING DATA LOCATION
J107	IDF J120	J120-D-11/12	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J109	IDF J120	J120-A-39/40	2	DATA LOCATION
J109	IDF J120	J120-A-41/42	2	DATA LOCATION
J109	IDF J120	J120-A-43	1	CLOCK LOCATION
J109	IDF J120	J120-A-44	1	ABOVE CEILING DATA LOCATION
J109	IDF J120	J120-D-13/14	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J111	IDF J120	J120-A-45/46	2	DATA LOCATION
J111	IDF J120	J120-A-47/48	2	DATA LOCATION
J111	IDF J120	J120-B-01	1	CLOCK LOCATION
J111	IDF J120	J120-B-02	1	CLOCK LOCATION
J111	IDF J120	J120-B-03/04	2	DATA LOCATION
J111	IDF J120	J120-B-05/06	2	DATA LOCATION
J111	IDF J120	J120-B-07/08	2	DATA LOCATION
J111	IDF J120	J120-B-09/10	2	DATA LOCATION
J111	IDF J120	J120-B-11	1	ABOVE CEILING DATA LOCATION
J111	IDF J120	J120-D-15/16	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J111	IDF J120	J120-D-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J114	IDF J120	J120-B-12/13	2	DATA LOCATION
J114	IDF J120	J120-B-14/15	2	DATA LOCATION
J114	IDF J120	J120-B-16	1	CLOCK LOCATION
J114	IDF J120	J120-B-17	1	ABOVE CEILING DATA LOCATION
J114	IDF J120	J120-D-19/20	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J116	IDF J120	J120-B-18/19	2	DATA LOCATION
J116	IDF J120	J120-B-20/21	2	DATA LOCATION
J116	IDF J120	J120-B-22	1	CLOCK LOCATION
J116	IDF J120	J120-B-23	1	ABOVE CEILING DATA LOCATION
J116	IDF J120	J120-D-21/22	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J120	IDF J120	J120-B-24/25	2	DATA LOCATION
J126	IDF J120	J120-B-26	1	CLOCK LOCATION
J126	IDF J120	J120-B-27	1	AV CONTROL LOCATION
J126	IDF J120	J120-B-28/29	2	MONITOR LOCATION
J126	IDF J120	J120-B-30/31	2	DATA LOCATION
J126	IDF J120	J120-B-32	1	DATA LOCATION
J126	IDF J120	J120-D-23/24	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J130	IDF J120	J120-B-33/34	2	MONITOR LOCATION
J132	IDF J120	J120-B-35/36	2	MONITOR LOCATION
J134	IDF J120	J120-B-37/38	2	MONITOR LOCATION
J136	IDF J120	J120-B-39/40	2	MONITOR LOCATION
J1000	IDF J120	J120-B-41/42	2	DUAL SIDED CLOCK LOCATION
J1000	IDF J120	J120-D-25/26	2	WIRELESS ACCESS POINT - WALL MOUNTED
J1000	IDF J120	J120-D-27/28	2	WIRELESS ACCESS POINT - WALL MOUNTED
J1000	IDF J120	J120-E-06	1	SECURITY CAMERA - WALL MOUNTED
J1000	IDF J120	J120-E-07	1	SECURITY CAMERA - WALL MOUNTED
J1100	IDF J120	J120-B-43/44	2	DUAL SIDED CLOCK LOCATION
J1100	IDF J120	J120-D-29/30	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J1100	IDF J120	J120-D-31/32	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J1100	IDF J120	J120-E-08	1	SECURITY CAMERA - CEILING MOUNTED
J1100	IDF J120	J120-E-09	1	SECURITY CAMERA - CEILING MOUNTED
J1200	IDF J120	J120-E-10	1	SECURITY CAMERA - CEILING MOUNTED
K101	IDF J120	J120-B-45/46	2	DATA LOCATION
K101	IDF J120	J120-B-47/48	2	DATA LOCATION
K101	IDF J120	J120-C-01	1	ABOVE CEILING DATA LOCATION
K101	IDF J120	J120-D-33/34	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K102	IDF J120	J120-C-02/03	2	DATA LOCATION
K102	IDF J120	J120-C-04/05	2	DATA LOCATION
K102	IDF J120	J120-C-06	1	ABOVE CEILING DATA LOCATION
K102	IDF J120	J120-D-35/36	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K103	IDF J120	J120-C-07/08	2	DATA LOCATION
K103	IDF J120	J120-C-09/10	2	DATA LOCATION
K103	IDF J120	J120-C-11	1	ABOVE CEILING DATA LOCATION
K103	IDF J120	J120-D-37/38	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K104	IDF J120	J120-C-12/13	2	DATA LOCATION
K104	IDF J120	J120-C-14/15	2	DATA LOCATION
K104	IDF J120	J120-C-16	1	ABOVE CEILING DATA LOCATION
K104	IDF J120	J120-D-39/40	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K105	IDF J120	J120-C-17/18	2	DATA LOCATION
K105	IDF J120	J120-C-19/20	2	DATA LOCATION
K105	IDF J120	J120-C-21	1	ABOVE CEILING DATA LOCATION
K105	IDF J120	J120-D-41/42	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K106	IDF J120	J120-C-22/23	2	DATA LOCATION
K106	IDF J120	J120-C-24/25	2	DATA LOCATION
K106	IDF J120	J120-C-26	1	ABOVE CEILING DATA LOCATION
K106	IDF J120	J120-D-43/44	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K1100	IDF J120	J120-C-27/28	2	DUAL SIDED CLOCK LOCATION
K1100	IDF J120	J120-D-45/46	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K1100	IDF J120	J120-E-11	1	SECURITY CAMERA - CEILING MOUNTED
SITE	IDF J120	J120-E-12	1	SECURITY CAMERA - POLE MOUNTED
SITE	IDF J120	J120-E-13	1	SECURITY CAMERA - POLE MOUNTED
Grand total			183	

TELECOM SCHEDULE - IDF L117

ROOM NUMBER	TELECOM ROOM	Mark	DATA PORTS	COMMENTS
EXT	IDF L117	L117-E-01	1	SECURITY CAMERA - WALL MOUNTED
EXT	IDF L117	L117-E-02	1	SECURITY CAMERA - WALL MOUNTED
EXT	IDF L117	L117-E-03	1	SECURITY CAMERA - WALL MOUNTED
J138	IDF L117	L117-A-01/02/03/04	4	DATA LOCATION
J139	IDF L117	L117-A-05/06	2	MONITOR LOCATION
J140	IDF L117	L117-A-07/08	2	MONITOR LOCATION
J140	IDF L117	L117-A-09/10	2	MONITOR LOCATION
J140	IDF L117	L117-A-11/12	2	MONITOR LOCATION
J140	IDF L117	L117-A-13	1	ABOVE CEILING DATA LOCATION
J141	IDF L117	L117-A-14/15	2	MONITOR LOCATION
J142	IDF L117	L117-D-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J143	IDF L117	L117-A-16/17	2	MONITOR LOCATION
J201	IDF L117	L117-A-18	1	CLOCK LOCATION
J202	IDF L117	L117-A-19	1	CLOCK LOCATION
J203	IDF L117	L117-A-20	1	CLOCK LOCATION
J204	IDF L117	L117-A-21	1	CLOCK LOCATION
J205	IDF L117	L117-A-22	1	CLOCK LOCATION
J207	IDF L117	L117-A-23	1	CLOCK LOCATION
J209	IDF L117	L117-A-24	1	CLOCK LOCATION
J211	IDF L117	L117-A-25	1	CLOCK LOCATION
J211	IDF L117	L117-A-26	1	CLOCK LOCATION
J214	IDF L117	L117-A-27	1	CLOCK LOCATION
J216	IDF L117	L117-A-28	1	CLOCK LOCATION
J301	IDF L117	L117-A-29	1	CLOCK LOCATION
J302	IDF L117	L117-A-30	1	CLOCK LOCATION
J303	IDF L117	L117-A-31	1	CLOCK LOCATION
J304	IDF L117	L117-A-32	1	CLOCK LOCATION
J305	IDF L117	L117-A-33	1	CLOCK LOCATION
J307	IDF L117	L117-A-34	1	CLOCK LOCATION
J309	IDF L117	L117-A-35	1	CLOCK LOCATION
J313	IDF L117	L117-A-36	1	CLOCK LOCATION
J314	IDF L117	L117-A-37	1	CLOCK LOCATION
J315	IDF L117	L117-A-38	1	CLOCK LOCATION
J316	IDF L117	L117-A-39	1	CLOCK LOCATION
J1000	IDF L117	L117-D-03/04	2	WIRELESS ACCESS POINT - WALL MOUNTED
K101	IDF L117	L117-A-40	1	CLOCK LOCATION
K102	IDF L117	L117-A-41	1	CLOCK LOCATION
K103	IDF L117	L117-A-42	1	CLOCK LOCATION
K104	IDF L117	L117-A-43	1	CLOCK LOCATION
K105	IDF L117	L117-A-44	1	CLOCK LOCATION
K106	IDF L117	L117-A-45	1	CLOCK LOCATION
K107	IDF L117	L117-A-46	1	CLOCK LOCATION
K108	IDF L117	L117-A-47	1	CLOCK LOCATION
K109	IDF L117	L117-A-48	1	CLOCK LOCATION
K110	IDF L117	L117-B-01	1	CLOCK LOCATION
K111	IDF L117	L117-B-02	1	CLOCK LOCATION
K112	IDF L117	L117-B-03	1	CLOCK LOCATION
K114	IDF L117	L117-B-04/05	2	DATA LOCATION
K114	IDF L117	L117-D-05/06	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K1000	IDF L117	L117-B-06/07	2	DUAL SIDED CLOCK LOCATION
K1000	IDF L117	L117-B-08/09	2	DATA LOCATION
K1000	IDF L117	L117-B-10/11	2	DATA LOCATION
K1000	IDF L117	L117-B-12/13	2	DATA LOCATION
K1000	IDF L117	L117-B-14/15	2	MONITOR LOCATION
K1000	IDF L117	L117-B-16/17	2	MONITOR LOCATION
K1000	IDF L117	L117-B-18/19	2	MONITOR LOCATION
K1000	IDF L117	L117-D-07/08	2	WIRELESS ACCESS POINT - WALL MOUNTED
K1000	IDF L117	L117-D-09/10	2	WIRELESS ACCESS POINT - WALL MOUNTED
K1000	IDF L117	L117-E-04	1	SECURITY CAMERA - WALL MOUNTED
K1000	IDF L117	L117-E-05	1	SECURITY CAMERA - WALL MOUNTED
K1000	IDF L117	L117-E-06	1	SECURITY CAMERA - WALL MOUNTED
L103	IDF L117	L117-B-20/21	2	DATA LOCATION
L103	IDF L117	L117-B-22/23	2	DATA LOCATION
L103	IDF L117	L117-B-24	1	TOUCH PANEL LOCATION
L104	IDF L117	L117-B-25/26	2	MONITOR LOCATION
L105	IDF L117	L117-B-27/28	2	DATA LOCATION
L105	IDF L117	L117-B-29	1	CLOCK LOCATION
L105	IDF L117	L117-D-11/12	2	WIRELESS ACCESS POINT - CEILING MOUNTED
L107	IDF L117	L117-B-30	1	CLOCK LOCATION
L110	IDF L117	L117-B-31	1	CLOCK LOCATION
L113	IDF L117	L117-B-32/34	2	DATA LOCATION
L117	IDF L117	L117-B-35/36	2	DATA LOCATION
L301	IDF L117	L117-B-37	1	CLOCK LOCATION
L301	IDF L117	L117-B-38	1	CLOCK LOCATION
L1000	IDF L117	L117-B-39/40	2	DIGITAL SIGNAGE LOCATION
L1000	IDF L117	L117-B-41/42	2	DUAL SIDED CLOCK LOCATION
L1000	IDF L117	L117-B-43/44	2	DIGITAL SIGNAGE LOCATION
L1000	IDF L117	L117-B-45/46	2	DIGITAL SIGNAGE LOCATION
L1000	IDF L117	L117-D-13/14	2	WIRELESS ACCESS POINT - CEILING MOUNTED
L1000	IDF L117	L117-D-15/16	2	WIRELESS ACCESS POINT - CEILING MOUNTED
L1000	IDF L117	L117-D-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
L1000	IDF L117	L117-E-07	1	SECURITY CAMERA - CEILING MOUNTED
L1000	IDF L117	L117-E-08	1	SECURITY CAMERA - CEILING MOUNTED
M100	IDF L117	L117-B-47	1	CLOCK LOCATION
M100	IDF L117	L117-B-48	1	CLOCK LOCATION
M100	IDF L117	L117-D-19/20	2	WIRELESS ACCESS POINT - WALL MOUNTED
M100	IDF L117	L117-E-09	1	SECURITY CAMERA - WALL MOUNTED
M110	IDF L117	L117-C-01	1	CLOCK LOCATION
M200	IDF L117	L117-C-02	1	CLOCK LOCATION
M201	IDF L117	L117-C-03	1	CLOCK LOCATION
M203	IDF L117	L117-C-04	1	CLOCK LOCATION
M301	IDF L117	L117-C-05	1	CLOCK LOCATION
M301	IDF L117	L117-C-06	1	CLOCK LOCATION
M302	IDF L117	L117-C-07	1	CLOCK LOCATION
M302	IDF L117	L117-C-08	1	CLOCK LOCATION
Grand total			132	

TELECOM SCHEDULE - IDF J220

ROOM NUMBER	TELECOM ROOM	Mark	DATA PORTS	COMMENTS
J200	IDF J220	J220-A-01/02	2	MONITOR LOCATION
J201	IDF J220	J220-A-03/04	2	DATA LOCATION
J201	IDF J220	J220-A-05/06	2	DATA LOCATION
J201	IDF J220	J220-A-07	1	ABOVE CEILING DATA LOCATION
J201	IDF J220	J220-D-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J202	IDF J220	J220-A-08/09	2	DATA LOCATION
J202	IDF J220	J220-A-10/11	2	DATA LOCATION
J202	IDF J220	J220-A-12	1	ABOVE CEILING DATA LOCATION
J202	IDF J220	J220-D-03/04	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J203	IDF J220	J220-A-13/14	2	DATA LOCATION
J203	IDF J220	J220-A-15/16	2	DATA LOCATION
J203	IDF J220	J220-A-17	1	ABOVE CEILING DATA LOCATION
J203	IDF J220	J220-D-05/06	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J204	IDF J220	J200-C-12	1	DATA LOCATION
J204	IDF J220	J220-A-18/19	2	DATA LOCATION
J204	IDF J220	J220-A-20/21	2	DATA LOCATION
J204	IDF J220	J220-A-22/23	2	DATA LOCATION
J204	IDF J220	J220-D-07/08	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J205	IDF J220	J220-A-24/25	2	DATA LOCATION
J205	IDF J220	J220-A-26/27	2	DATA LOCATION
J205	IDF J220	J220-A-28	1	ABOVE CEILING DATA LOCATION
J205	IDF J220	J220-D-09/10	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J207	IDF J220	J220-A-29/30	2	DATA LOCATION
J207	IDF J220	J220-A-31/32	2	DATA LOCATION
J207	IDF J220	J220-A-33	1	ABOVE CEILING DATA LOCATION
J207	IDF J220	J220-D-11/12	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J209	IDF J220	J220-A-34/35	2	DATA LOCATION
J209	IDF J220	J220-A-36/37	2	DATA LOCATION
J209	IDF J220	J220-A-38	1	ABOVE CEILING DATA LOCATION
J209	IDF J220	J220-D-13/14	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J211	IDF J220	J220-A-39/40	2	DATA LOCATION
J211	IDF J220	J220-A-41/42	2	DATA LOCATION
J211	IDF J220	J220-A-43/44	2	DATA LOCATION
J211	IDF J220	J220-A-45/46	2	DATA LOCATION
J211	IDF J220	J220-A-47/48	2	DATA LOCATION
J211	IDF J220	J220-B-01/02	2	DATA LOCATION
J211	IDF J220	J220-B-03	1	ABOVE CEILING DATA LOCATION
J211	IDF J220	J220-D-15/16	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J211	IDF J220	J220-D-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J212	IDF J220	J220-B-04/05	2	DATA LOCATION
J214	IDF J220	J220-B-06/07	2	DATA LOCATION
J214	IDF J220	J220-B-08/09	2	DATA LOCATION
J214	IDF J220	J220-B-10	1	ABOVE CEILING DATA LOCATION
J214	IDF J220	J220-D-19/20	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J216	IDF J220	J220-B-11/12	2	DATA LOCATION
J216	IDF J220	J220-B-13/14	2	DATA LOCATION
J216	IDF J220	J220-B-15	1	ABOVE CEILING DATA LOCATION
J216	IDF J220	J220-D-21/22	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J226	IDF J220	J220-B-16/17	2	MONITOR LOCATION
J228	IDF J220	J220-B-18/19	2	MONITOR LOCATION
J228	IDF J220	J220-D-23/24	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J230	IDF J220	J220-B-20/21	2	MONITOR LOCATION
J2000	IDF J220	J220-E-01	1	SECURITY CAMERA - WALL MOUNTED
J2200	IDF J220	J220-B-22/23	2	DUAL SIDED CLOCK LOCATION
J2200	IDF J220	J220-D-25/26	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J2200	IDF J220	J220-E-02	1	SECURITY CAMERA - CEILING MOUNTED
J2400	IDF J220	J220-D-27/28	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J2400	IDF J220	J220-E-03	1	SECURITY CAMERA - CEILING MOUNTED
K201	IDF J220	J220-B-24/25	2	DATA LOCATION
K201	IDF J220	J220-B-26/27	2	DATA LOCATION
K201	IDF J220	J220-B-28	1	ABOVE CEILING DATA LOCATION
K201	IDF J220	J220-B-29	1	CLOCK LOCATION
K201	IDF J220	J220-D-29/30	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K202	IDF J220	J220-B-30/31	2	DATA LOCATION
K202	IDF J220	J220-B-32/33	2	DATA LOCATION
K202	IDF J220	J220-B-34	1	ABOVE CEILING DATA LOCATION
K202	IDF J220	J220-B-35	1	CLOCK LOCATION
K202	IDF J220	J220-D-31/32	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K203	IDF J220	J220-B-36/37	2	DATA LOCATION
K203	IDF J220	J220-B-38/39	2	DATA LOCATION
K203	IDF J220	J220-B-40	1	ABOVE CEILING DATA LOCATION
K203	IDF J220	J220-B-41	1	CLOCK LOCATION
K203	IDF J220	J220-D-33/34	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K204	IDF J220	J220-B-42/43	2	DATA LOCATION
K204	IDF J220	J220-B-44/45	2	DATA LOCATION
K204	IDF J220	J220-B-46	1	ABOVE CEILING DATA LOCATION
K204	IDF J220	J220-B-47	1	CLOCK LOCATION
K204	IDF J220	J220-D-35/36	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K205	IDF J220	J220-B-48;J220-C-01	2	DATA LOCATION
K205	IDF J220	J220-C-02/03	2	DATA LOCATION
K205	IDF J220	J220-C-04	1	ABOVE CEILING DATA LOCATION
K205	IDF J220	J220-C-05	1	CLOCK LOCATION
K205	IDF J220	J220-D-37/38	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K206	IDF J220	J220-C-06/07	2	DATA LOCATION
K206	IDF J220	J220-C-08/09	2	DATA LOCATION
K206	IDF J220	J220-C-10	1	ABOVE CEILING DATA LOCATION
K206	IDF J220	J220-C-11	1	CLOCK LOCATION
K206	IDF J220	J220-D-39/40	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K2000	IDF J220	J220-D-41/42	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K2000	IDF J220	J220-E-04	1	SECURITY CAMERA - CEILING MOUNTED
ST201	IDF J220	J220-E-05	1	SECURITY CAMERA - WALL MOUNTED
Grand total			155	

TELECOM SCHEDULE - IDF L208

ROOM NUMBER	TELECOM ROOM	Mark	DATA PORTS	COMMENTS
EXT	IDF L208	L208-C-01	1	SECURITY CAMERA - WALL MOUNTED
J234	IDF L208	L208-A-01/02	2	MONITOR LOCATION
J234	IDF L208	L208-A-03/04	2	MONITOR LOCATION
J234	IDF L208	L208-A-05/06	2	MONITOR LOCATION
J235	IDF L208	L208-A-07/08	2	MONITOR LOCATION
J236	IDF L208	L117-A-09	1	CLOCK LOCATION
J236	IDF L208	L117-A-10	1	CLOCK LOCATION
J236	IDF L208	L208-B-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J237	IDF L208	L208-A-11/12	2	MONITOR LOCATION
J239	IDF L208	L208-A-12/13	2	MONITOR LOCATION
J2000	IDF L208	L208-C-02	1	SECURITY CAMERA - WALL MOUNTED
L201	IDF L208	L208-A-14/15/16/17	4	DATA LOCATION
L203	IDF L208	L208-A-18/19	2	DATA LOCATION
L203	IDF L208	L208-A-20/21	2	DATA LOCATION
L203	IDF L208	L208-A-22	1	ABOVE CEILING DATA LOCATION
L203	IDF L208	L208-B-03/04	2	WIRELESS ACCESS POINT - CEILING MOUNTED
L204	IDF L208	L208-A-23/24	2	DATA LOCATION
L204	IDF L208	L208-A-25/26	2	DATA LOCATION
L204	IDF L208	L208-A-27	1	ABOVE CEILING DATA LOCATION
L204	IDF L208	L208-B-05/06	2	WIRELESS ACCESS POINT - CEILING MOUNTED
L208	IDF L208	L208-A-28/29	2	DATA LOCATION
L209	IDF L208	L208-A-30	1	CLOCK LOCATION
L210	IDF L208	L208-A-31	1	CLOCK LOCATION
L2000	IDF L208	L208-A-32/33	2	DIGITAL SIGNAGE LOCATION
L2000	IDF L208	L208-B-07/08	2	WIRELESS ACCESS POINT - CEILING MOUNTED
L2000	IDF L208	L208-C-03	1	SECURITY CAMERA - CEILING MOUNTED
L2100	IDF L208	L208-A-34/35	2	DUAL SIDED CLOCK LOCATION
L2100	IDF L208	L208-B-09/10	2	WIRELESS ACCESS POINT - CEILING MOUNTED
L2100	IDF L208	L208-C-04	1	SECURITY CAMERA - CEILING MOUNTED
M200	IDF L208	L208-A-36/37	2	AV FLOOR BOX LOCATION
M200	IDF L208	L208-A-38/39	2	AV FLOOR BOX LOCATION
M200	IDF L208	L208-C-05	1	SECURITY CAMERA - WALL MOUNTED
M200	IDF L208	L208-C-06	1	SECURITY CAMERA - WALL MOUNTED
Grand total			56	

ACCESS CONTROL SCHEDULE - IDF J120

DOOR NUMBER	PANEL LOCATION	LABEL	DOOR TYPE / DESCRIPTION
J1000.1	IDF J120	J1000.1-AC	EAC DOOR TYPE D4
J1000.1	IDF J120	J2400.20-AC	EAC DOOR TYPE D4
J1000.1	IDF J120	J142.2-AC	EAC DOOR TYPE D4
J1000A.1	IDF J120	J1000A.1-CR	EAC DOOR TYPE D3
J1000A.2	IDF J120	J1000A.2-DPS	EAC DOOR TYPE D2
J1000A.3	IDF J120	J1000A.3-DPS	EAC DOOR TYPE D2
J1000A.4	IDF J120	J1000A.4-CR	EAC DOOR TYPE D3
J1000A.5	IDF J120	J1000A.5-DPS	EAC DOOR TYPE D2
J1000A.6	IDF J120	J1000A.6-DPS	EAC DOOR TYPE D2
J1100A.1	IDF J120	J1100A.1-DPS	EAC DOOR TYPE D1
ST101.2	IDF J120	ST101.2-DPS	EAC DOOR TYPE S1

ACCESS CONTROL SCHEDULE - IDF L117

DOOR NUMBER	PANEL LOCATION	LABEL	DOOR TYPE / DESCRIPTION
ELEVATOR	IDF L117	ELEV-CR	EAC READER FOR ELEVATOR CALL BUTTON CONTROL
J142.1	IDF L117	J142.1-CR	EAC DOOR TYPE D5
J236.1	IDF L117	J236.1-CR	EAC DOOR TYPE D5
J236.2	IDF L117	J236.2-MHO	EAC DOOR TYPE D4
L115b	IDF L117	L1000.5-AC	EAC DOOR TYPE D4
L115b	IDF L117	L1000.4-AC	EAC DOOR TYPE D4
L201a.1	IDF L117	L201a.1-DPS	EAC DOOR TYPE D1
L1000.2	IDF L117	L1000.2-AC	EAC DOOR TYPE D4
L1000.2	IDF L117	L1000.1-AC	EAC DOOR TYPE D4
L1000A.1	IDF L117	L1000A.1-DPS	EAC DOOR TYPE D2
L1000A.2	IDF L117	L1000A.2-CR	EAC DOOR TYPE D3
L1000A.3	IDF L117	L1000A.3-DPS	EAC DOOR TYPE D2
L1000A.4	IDF L117	L1000A.4-CR	EAC DOOR TYPE D3
M100	IDF L117	M100-DPS	EAC DOOR TYPE D1
M101.1	IDF L117	M101.1-DPS	EAC DOOR TYPE D1
M1000A.1	IDF L117	M1000A.1-DPS	EAC DOOR TYPE D2
M1000A.2	IDF L117	M1000A.2-CR	EAC DOOR TYPE D3
M1000A.3	IDF L117	M1000A.3-DPS	EAC DOOR TYPE D2
M1000A.4	IDF L117	M1000A.4-CR	EAC DOOR TYPE D3

ACCESS CONTROL SCHEDULE - IDF J220

DOOR NUMBER	PANEL LOCATION	LABEL	DOOR TYPE / DESCRIPTION
J241	IDF J220	J241-AC	EAC DOOR TYPE D4
ST201	IDF J220	ST201-CR	EAC DOOR TYPE S2

ACCESS CONTROL SCHEDULE - IDF L208

DOOR NUMBER	PANEL LOCATION	LABEL	DOOR TYPE / DESCRIPTION
ELEVATOR	IDF L208	ELEV-CR	EAC READER FOR ELEVATOR CALL BUTTON CONTROL
l205c	IDF L208	L205c-AC	EAC DOOR TYPE D4
l205c	IDF L208	L205b-AC	EAC DOOR TYPE D4

PLOT DATE/TIME:8/30/2023 10:16:47 AM

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

DESIGN 27 TECHNOLOGY + ACOUSTICS
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CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

DOUGLAS J DRISCOLL
BICSI ID# 123408
EXPIRES 12-31-23

REVISIONS:

#	Date	Desc.
1	08/31/2023	ADDENDUM #1

100% CONSTRUCTION DOCUMENT

PROJECT: #22130
DATE: 07-28-2023
DRAWN BY: MRF

TELECOM /
SECURITY
SCHEDULES

T500

TELECOM SCHEDULE - IDF M201A

ROOM NUMBER	TELECOM ROOM	Mark	DATA PORTS	COMMENTS
EXT	IDF M201A	M201A-E-01	1	SECURITY CAMERA - WALL MOUNTED
EXT	IDF M201A	M201A-E-02	1	SECURITY CAMERA - WALL MOUNTED
K107	IDF M201A	M201A-A-01/02	2	DATA LOCATION
K107	IDF M201A	M201A-A-03/04	2	DATA LOCATION
K107	IDF M201A	M201A-A-05	1	ABOVE CEILING DATA LOCATION
K107	IDF M201A	M201A-D-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K108	IDF M201A	M201A-A-06/07	2	DATA LOCATION
K108	IDF M201A	M201A-A-08/09	2	DATA LOCATION
K108	IDF M201A	M201A-A-10	1	ABOVE CEILING DATA LOCATION
K108	IDF M201A	M201A-D-03/04	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K109	IDF M201A	M201A-A-11/12	2	DATA LOCATION
K109	IDF M201A	M201A-A-13/14	2	DATA LOCATION
K109	IDF M201A	M201A-A-15	1	ABOVE CEILING DATA LOCATION
K109	IDF M201A	M201A-D-05/06	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K110	IDF M201A	M201A-A-16/17	2	DATA LOCATION
K110	IDF M201A	M201A-A-18/19	2	DATA LOCATION
K110	IDF M201A	M201A-A-20	1	ABOVE CEILING DATA LOCATION
K110	IDF M201A	M201A-D-07/08	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K111	IDF M201A	M201A-A-21/22	2	DATA LOCATION
K111	IDF M201A	M201A-A-23/24	2	DATA LOCATION
K111	IDF M201A	M201A-A-25	1	ABOVE CEILING DATA LOCATION
K111	IDF M201A	M201A-D-09/10	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K112	IDF M201A	M201A-A-26/27	2	DATA LOCATION
K112	IDF M201A	M201A-A-28/29	2	DATA LOCATION
K112	IDF M201A	M201A-A-30	1	ABOVE CEILING DATA LOCATION
K112	IDF M201A	M201A-D-11/12	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K113	IDF M201A	M201A-A-31/32	2	DATA LOCATION
K115	IDF M201A	M201A-E-03	1	SECURITY CAMERA - CEILING MOUNTED
K207	IDF M201A	M201A-A-33/34	2	DATA LOCATION
K207	IDF M201A	M201A-A-35/36	2	DATA LOCATION
K207	IDF M201A	M201A-A-37	1	ABOVE CEILING DATA LOCATION
K207	IDF M201A	M201A-A-38	1	CLOCK LOCATION
K207	IDF M201A	M201A-D-13/14	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K208	IDF M201A	M201A-A-39/40	2	DATA LOCATION
K208	IDF M201A	M201A-A-41/42	2	DATA LOCATION
K208	IDF M201A	M201A-A-43	1	ABOVE CEILING DATA LOCATION
K208	IDF M201A	M201A-A-44	1	CLOCK LOCATION
K208	IDF M201A	M201A-D-15/16	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K209	IDF M201A	M201A-A-45/46	2	DATA LOCATION
K209	IDF M201A	M201A-A-47/48	2	DATA LOCATION
K209	IDF M201A	M201A-B-01	1	ABOVE CEILING DATA LOCATION
K209	IDF M201A	M201A-B-02	1	CLOCK LOCATION
K209	IDF M201A	M201A-D-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K210	IDF M201A	M201A-B-03/04	2	DATA LOCATION
K210	IDF M201A	M201A-B-05/06	2	DATA LOCATION
K210	IDF M201A	M201A-B-07	1	ABOVE CEILING DATA LOCATION
K210	IDF M201A	M201A-B-08	1	CLOCK LOCATION
K210	IDF M201A	M201A-D-19/20	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K211	IDF M201A	M201A-B-09/10	2	DATA LOCATION
K211	IDF M201A	M201A-B-11/12	2	DATA LOCATION
K211	IDF M201A	M201A-B-13	1	ABOVE CEILING DATA LOCATION
K211	IDF M201A	M201A-B-14	1	CLOCK LOCATION
K211	IDF M201A	M201A-D-21/22	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K212	IDF M201A	M201A-B-15/16	2	DATA LOCATION
K212	IDF M201A	M201A-B-17/18	2	DATA LOCATION
K212	IDF M201A	M201A-B-19	1	ABOVE CEILING DATA LOCATION
K212	IDF M201A	M201A-B-20	1	CLOCK LOCATION
K212	IDF M201A	M201A-D-23/24	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K1100	IDF M201A	M201A-D-25/26	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K1100	IDF M201A	M201A-E-04	1	SECURITY CAMERA - CEILING MOUNTED
K2000	IDF M201A	M201A-D-27/28	2	WIRELESS ACCESS POINT - CEILING MOUNTED
M100	IDF M201A	M201A-B-21	1	CLOCK LOCATION
M100	IDF M201A	M201A-D-29/30	2	WIRELESS ACCESS POINT - WALL MOUNTED
M100	IDF M201A	M201A-E-05	1	SECURITY CAMERA - WALL MOUNTED
M100	IDF M201A	M201A-E-06	1	SECURITY CAMERA - WALL MOUNTED
M102	IDF M201A	M201A-B-22/23	2	DATA LOCATION
M102	IDF M201A	M201A-B-24/25	2	DATA LOCATION
M102	IDF M201A	M201A-B-26/27	2	DATA LOCATION
M200	IDF M201A	M201A-B-28/29	2	AV FLOOR BOX LOCATION
M200	IDF M201A	M201A-B-30/31	2	AV FLOOR BOX LOCATION
M200	IDF M201A	M201A-E-07	1	SECURITY CAMERA - WALL MOUNTED
M200	IDF M201A	M201A-E-08	1	SECURITY CAMERA - WALL MOUNTED
M201	IDF M201A	M201A-B-32/33	2	DATA LOCATION
M201	IDF M201A	M201A-B-34/35	2	DATA LOCATION
M201	IDF M201A	M201A-B-36	1	ABOVE CEILING DATA LOCATION
M201	IDF M201A	M201A-D-31/32	2	WIRELESS ACCESS POINT - CEILING MOUNTED
M203	IDF M201A	M201A-B-37/38	2	DATA LOCATION
M203	IDF M201A	M201A-B-39/40	2	DATA LOCATION
M203	IDF M201A	M201A-B-41	1	ABOVE CEILING DATA LOCATION
M203	IDF M201A	M201A-D-33/34	2	WIRELESS ACCESS POINT - CEILING MOUNTED
M1000	IDF M201A	M201A-B-42/43	2	DUAL SIDED CLOCK LOCATION
M1000	IDF M201A	M201A-B-44/45	2	DIGITAL SIGNAGE LOCATION
M1000	IDF M201A	M201A-B-46/47	2	DIGITAL SIGNAGE LOCATION
M1000	IDF M201A	M201A-D-35/36	2	WIRELESS ACCESS POINT - CEILING MOUNTED
M1000	IDF M201A	M201A-E-09	1	SECURITY CAMERA - CEILING MOUNTED
M2000	IDF M201A	M201A-B-48;M201A-C-01	2	DUAL SIDED CLOCK LOCATION
M2000	IDF M201A	M201A-C-02/03	2	DIGITAL SIGNAGE LOCATION
M2000	IDF M201A	M201A-C-04/05	2	DIGITAL SIGNAGE LOCATION
M2000	IDF M201A	M201A-D-37/38	2	WIRELESS ACCESS POINT - CEILING MOUNTED
M2000	IDF M201A	M201A-E-10	1	SECURITY CAMERA - CEILING MOUNTED
ST102	IDF M201A	M201A-E-11	1	SECURITY CAMERA - WALL MOUNTED
ST202	IDF M201A	M201A-E-12	1	SECURITY CAMERA - WALL MOUNTED
Grand total			151	

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TELECOM SCHEDULE - IDF J322

ROOM NUMBER	TELECOM ROOM	Mark	DATA PORTS	COMMENTS
EXT	IDF J322	J322-D-01	1	SECURITY CAMERA - CEILING MOUNTED
J300	IDF J322	J322-A-01/02	2	MONITOR LOCATION
J301	IDF J322	J322-A-03/04	2	DATA LOCATION
J301	IDF J322	J322-A-05/06	2	DATA LOCATION
J301	IDF J322	J322-A-07	1	ABOVE CEILING DATA LOCATION
J301	IDF J322	J322-C-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J302	IDF J322	J322-A-08/09	2	DATA LOCATION
J302	IDF J322	J322-A-10/11	2	DATA LOCATION
J302	IDF J322	J322-A-12	1	ABOVE CEILING DATA LOCATION
J302	IDF J322	J322-C-03/04	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J303	IDF J322	J322-A-13/14	2	DATA LOCATION
J303	IDF J322	J322-A-15/16	2	DATA LOCATION
J303	IDF J322	J322-A-17	1	ABOVE CEILING DATA LOCATION
J303	IDF J322	J322-C-05/06	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J304	IDF J322	J322-A-18/19	2	DATA LOCATION
J304	IDF J322	J322-A-20/21	2	DATA LOCATION
J304	IDF J322	J322-A-22/23	2	DATA LOCATION
J304	IDF J322	J322-A-24	1	DATA LOCATION
J304	IDF J322	J322-C-07/08	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J305	IDF J322	J322-A-25/26	2	DATA LOCATION
J305	IDF J322	J322-A-27/28	2	DATA LOCATION
J305	IDF J322	J322-A-29	1	ABOVE CEILING DATA LOCATION
J305	IDF J322	J322-C-09/10	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J307	IDF J322	J322-A-30/31	2	DATA LOCATION
J307	IDF J322	J322-A-32/33	2	DATA LOCATION
J307	IDF J322	J322-A-34	1	ABOVE CEILING DATA LOCATION
J307	IDF J322	J322-C-11/12	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J309	IDF J322	J322-A-35/36	2	DATA LOCATION
J309	IDF J322	J322-A-37/38	2	DATA LOCATION
J309	IDF J322	J322-A-39	1	ABOVE CEILING DATA LOCATION
J309	IDF J322	J322-C-13/14	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J312	IDF J322	J322-A-40/41	2	DATA LOCATION
J314	IDF J322	J322-A-42/43	2	DATA LOCATION
J314	IDF J322	J322-A-44/45	2	DATA LOCATION
J314	IDF J322	J322-A-46	1	ABOVE CEILING DATA LOCATION
J314	IDF J322	J322-C-15/16	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J315	IDF J322	J322-A-47/48	2	MONITOR LOCATION
J315	IDF J322	J322-B-01/02	2	MONITOR LOCATION
J315	IDF J322	J322-B-03/04	2	DATA LOCATION
J315	IDF J322	J322-B-05	1	ABOVE CEILING DATA LOCATION
J315	IDF J322	J322-C-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J316	IDF J322	J322-B-06/07	2	DATA LOCATION
J316	IDF J322	J322-B-08/09	2	DATA LOCATION
J316	IDF J322	J322-B-10	1	ABOVE CEILING DATA LOCATION
J316	IDF J322	J322-C-19/20	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J317	IDF J322	J322-B-11/12	2	MONITOR LOCATION
J317	IDF J322	J322-B-13/14	2	MONITOR LOCATION
J317	IDF J322	J322-B-15/16	2	MONITOR LOCATION
J317	IDF J322	J322-B-17/18	2	DATA LOCATION
J317	IDF J322	J322-C-21/22	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J324	IDF J322	J322-B-19/20	2	DATA LOCATION
J3200	IDF J322	J322-B-21/22	2	DUAL SIDED CLOCK LOCATION
J3200	IDF J322	J322-C-23/24	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J3200	IDF J322	J322-C-25/26	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J3200	IDF J322	J322-D-02	1	SECURITY CAMERA - CEILING MOUNTED
J3200	IDF J322	J322-D-03	1	SECURITY CAMERA - CEILING MOUNTED
K3000	IDF J322	J322-B-23/24/25/26	4	DATA LOCATION
K3000	IDF J322	J322-C-27/28	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K3000	IDF J322	J322-D-04	1	SECURITY CAMERA - CEILING MOUNTED
Grand total			106	

TELECOM SCHEDULE - IDF L302

ROOM NUMBER	TELECOM ROOM	Mark	DATA PORTS	COMMENTS
J315	IDF L302	J322-A-01	1	CLOCK LOCATION
J325	IDF L302	L302-A-02/03	2	MONITOR LOCATION
J326	IDF L302	L302-A-04/05	2	MONITOR LOCATION
J327	IDF L302	L302-A-06/07	2	MONITOR LOCATION
K301	IDF L302	L302-A-08/09	2	MONITOR LOCATION
K301	IDF L302	L302-A-10/11	2	MONITOR LOCATION
K301	IDF L302	L302-A-12/13	2	DATA LOCATION
K301	IDF L302	L302-A-14	1	ABOVE CEILING DATA LOCATION
K301	IDF L302	L302-A-15	1	CLOCK LOCATION
K302	IDF L302	L302-A-16/17	2	DATA LOCATION
K302	IDF L302	L302-A-18/19	2	DATA LOCATION
K302	IDF L302	L302-A-20	1	CLOCK LOCATION
K302	IDF L302	L302-A-21	1	ABOVE CEILING DATA LOCATION
K303	IDF L302	L302-A-22/23	2	MONITOR LOCATION
K303	IDF L302	L302-A-24/25	2	MONITOR LOCATION
K303	IDF L302	L302-A-26/27	2	DATA LOCATION
K304	IDF L302	L302-A-28/29	2	DATA LOCATION
K304	IDF L302	L302-A-30/31	2	DATA LOCATION
K304	IDF L302	L302-A-32	1	CLOCK LOCATION
K304	IDF L302	L302-A-33	1	ABOVE CEILING DATA LOCATION
K306	IDF L302	L302-A-34/35	2	DATA LOCATION
K306	IDF L302	L302-A-36/37	2	DATA LOCATION
K306	IDF L302	L302-A-38	1	CLOCK LOCATION
K306	IDF L302	L302-A-39	1	ABOVE CEILING DATA LOCATION
K307	IDF L302	L302-A-40/41	2	DATA LOCATION
K307	IDF L302	L302-A-42/43	2	DATA LOCATION
K307	IDF L302	L302-A-44	1	ABOVE CEILING DATA LOCATION
K308	IDF L302	L302-A-45/46	2	DATA LOCATION
K308	IDF L302	L302-A-47/48	2	DATA LOCATION
K308	IDF L302	L302-B-01	1	CLOCK LOCATION
K308	IDF L302	L302-B-02	1	ABOVE CEILING DATA LOCATION
K310	IDF L302	L302-B-03/04	2	DATA LOCATION
K310	IDF L302	L302-B-05/06	2	DATA LOCATION
K310	IDF L302	L302-B-07	1	CLOCK LOCATION
K310	IDF L302	L302-B-08	1	ABOVE CEILING DATA LOCATION
K3000	IDF L302	L302-B-09/10	2	DUAL SIDED CLOCK LOCATION
L301	IDF L302	L302-B-11/12/13/14	4	DATA LOCATION
L301	IDF L302	L302-B-15/16	2	DATA LOCATION
L301	IDF L302	L302-B-17	1	ABOVE CEILING DATA LOCATION
L302	IDF L302	L302-B-18/19	2	DATA LOCATION
L3000	IDF L302	L302-B-20/21	2	DUAL SIDED CLOCK LOCATION
M301	IDF L302	L302-B-22/23	2	DATA LOCATION
M301	IDF L302	L302-B-24/25	2	DATA LOCATION
M301	IDF L302	L302-B-26/27	2	DATA LOCATION
M301	IDF L302	L302-B-28/29	2	DATA LOCATION
M301	IDF L302	L302-B-30/31	2	DATA LOCATION
M301	IDF L302	L302-B-32/33	2	DATA LOCATION
M301	IDF L302	L302-B-34	1	ABOVE CEILING DATA LOCATION
M302	IDF L302	L302-B-35/36/37/38	4	DATA LOCATION
M302	IDF L302	L302-B-39/40/41/42	4	DATA LOCATION
M302	IDF L302	L302-B-43	1	ABOVE CEILING DATA LOCATION
M302	IDF L302	L302-B-44	1	CLOCK LOCATION
K302	IDF L302	L302-C-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K303	IDF L302	L302-C-03/04	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K304	IDF L302	L302-C-05/06	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K306	IDF L302	L302-C-07/08	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K307	IDF L302	L302-C-09/10	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K308	IDF L302	L302-C-11/12	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K310	IDF L302	L302-C-13/14	2	WIRELESS ACCESS POINT - CEILING MOUNTED
K3000	IDF L302	L302-C-15/16	2	WIRELESS ACCESS POINT - CEILING MOUNTED
L301	IDF L302	L302-C-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
L3000	IDF L302	L302-C-19/20	2	WIRELESS ACCESS POINT - CEILING MOUNTED
M301	IDF L302	L302-C-21/22	2	WIRELESS ACCESS POINT - CEILING MOUNTED
M302	IDF L302	L302-C-23/24	2	WIRELESS ACCESS POINT - CEILING MOUNTED
M3000	IDF L302	L302-C-25/26	2	WIRELESS ACCESS POINT - CEILING MOUNTED
EXT	IDF L302	L302-D-01	1	SECURITY CAMERA - CEILING MOUNTED
K3000	IDF L302	L302-D-02	1	SECURITY CAMERA - CEILING MOUNTED
L3000	IDF L302	L302-D-03	1	SECURITY CAMERA - CEILING MOUNTED
M3000	IDF L302	L302-D-04	1	SECURITY CAMERA - CEILING MOUNTED
Grand total			122	

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ACCESS CONTROL SCHEDULE - IDF J322

DOOR NUMBER	PANEL LOCATION	LABEL	DOOR TYPE / DESCRIPTION
ST301	IDF J322	ST301-CR	EAC DOOR TYPE S2

ACCESS CONTROL SCHEDULE - IDF L302

DOOR NUMBER	PANEL LOCATION	LABEL	DOOR TYPE / DESCRIPTION
ELEVATOR	IDF L302	ELEV-CR	EAC READER FOR ELEVATOR CALL BUTTON CONTROL
L303.2	IDF L302	L303.2-DPS	EAC DOOR TYPE S1

LANCER ASSOCIATES ARCHITECTURE
427 S. COLLEGE AVE
INDIANAPOLIS, IN 46203

DESIGN 27 TECHNOLOGY + ACOUSTICS
1650 E. 49TH ST.
INDIANAPOLIS, IN
46205
317.536.8000
DESIGN27.COM

CLARK-PLEASANT COMMUNITY SCHOOL CORP.
WHITELAND COMM. HIGH SCHOOL ADDITION
300 E MAIN ST, WHITELAND, IN 46184

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
DOUGLAS J DRISCOLL
BICSI ID# 123406
EXPIRES 12-31-23
RCDD

REVISIONS:

#	Date	Desc.
1	08/31/202 3	ADDENDUM #1

100% CONSTRUCTION DOCUMENT

PROJECT:	#22130
DATE:	07-28-2023
DRAWN BY:	MRF

TELECOM / SECURITY SCHEDULES

T501

PLOT DATE/TIME:8/30/2023 10:16:50 AM

DOCUMENT 00 12 10 – SUBSTITUTION REQUEST FORM

TO: Jeremy Putnam

Project: Whiteland Community HS addition and Natatorium

We hereby submit for your consideration the following product instead of the specified item for the above project:

Section	Paragraph	Specified Item
07 2726	2.1A	Prosoco R-Guard Spray Wrap MVP

Proposed Substitution: Carlisle Barritech VP

Attach complete technical data including laboratory tests if applicable.

Include complete information changes to Drawings and/or Specifications which proposed substitution require for proper installation.

Fill in Blanks Below, use additional sheets if necessary:

A. Does the substitution affect dimensions shown on Drawings?
NO

B. Will the undersigned pay for changes to building design, including engineering and detailing costs caused by substitution, if any?
N/A

C. What effect does substitution have on other trades?
None

D. Differences between proposed substitution and specified item?
Compariable equal

E. Manufacturer's guarantees of proposed and specified items are:

X Same _____ Different (explain on attachment)

The undersigned states that the function, appearance and quality are equivalent or superior to the specified item.

Submitted by:

Signature

Firm Carlisle Coatings & Waterproofing
Address 7480 Shadeland Station Way
Indianapolis, IN 46256
Telephone 317-253-5248

For use by Design Consultant

Accepted
Not Accepted
Accepted as Noted
Received too Late
By
Date 8-29-23
Remarks

SCIENCE. SERVICE. SOLUTIONS.

CARLISLE COATINGS & WATERPROOFING

AIR & VAPOR BARRIER

FIRE RESIST Barritech VP

Description

Barritech VP is a fluid-applied membrane made from inherently fire-resistant materials. Barritech VP is applied to exterior wall assemblies where it functions as an air barrier and a water-resistive barrier. Barritech VP may be installed down to 20°F. Barritech VP is vapor-permeable — moisture vapor can diffuse directly through the membrane. Barritech VP can be applied over concrete block, concrete, exterior gypsum sheathing, plywood, OSB and many other common building materials. The product is fully adhered to the substrate, flexible and rubber-like. Barritech VP is a single-component, air-drying product applied by spray or roller. The flexible, elastic properties enable Barritech VP to bridge cracks and seal around penetrations, which creates a truly continuous, monolithic air and water barrier.

Features and Benefits

- Fire-retardant chemistry permits use in many wall assemblies requiring NFPA 285
- Dries to a distinctive blue color for easy identification (lighter blue color when wet)
- 180-day UV resistance and ability to install below freezing allows flexibility in schedule
- Vapor-permeable feature permits use in wall assemblies where a vapor barrier is not needed
- Greenguard Gold low-emitting material, product-specific EPD available - Contributes to LEED Points
- Easy, water clean-up of tools & equipment reduces harmful chemicals on the jobsite
- Spray-through standard, one-part equipment provides a simple and quick installation
- Monolithic coverage and self-sealing properties around fasteners enable an air and watertight installation
- Non-asphalt composition permits contact with many window and joint sealants
- Barritech VP is a warranted air barrier system from Carlisle Coatings & Waterproofing

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2820
GOLD

Contributes to LEED® Credit Requirements

Project Conditions

Building codes and project specifications require continuity of the air barrier installation. It is the installer's responsibility to understand the extent and sequencing of air barrier installation on the project. Do not proceed with installation until substrate and project conditions conform to requirements specified in this document. Identify any membranes, coatings, sealants, tapes and joint compounds by others which will come into contact with Barritech VP and CCW accessories, and verify compatibility through CCW. All surfaces accepting Barritech VP and CCW accessories shall be clean, dry, frost free and of sound condition. Verify that wall assemblies are dried in, such that water intrusion will not occur from above, behind or around the membrane installation. Gaps and cracks shall be filled with materials and technique approved by CCW. Large gaps such as those commonly found in electrical/mechanical penetrations, structural steel penetrations, columns/beams, expansion/seismic joints, shelf angles, tie-ins to fenestration and transitions to other building assemblies require extra work and materials to provide suitable surfaces for continuous installation of the air barrier. Please consult CCW's Barritech VP details for guidance.

Carlisle Coatings & Waterproofing
900 Hensley Lane | Wylie, TX 75098 | 800.527.7092 | **www.carlisleccw.com**

AIR & VAPOR BARRIER

FIRE RESIST Barritech VP

Substrate Inspection

Concrete

Shall be cured in place 7 days minimum. It shall be smooth, with sharp protrusions such as cold joints ground flush. Honeycomb and holes/ cracks exceeding ¼" across shall be filled with grout or mortar.

Concrete Masonry Unit (CMU)

Mortar joints shall be struck flush or tooled and shall be free of voids. Mortar droppings shall be removed from brick ties and all other surfaces accepting Barritech VP and CCW accessories. Mortar joints shall be allowed to cure 3 days minimum before installation of Barritech VP.

Gypsum Sheathing

Sheathing boards shall be flush at joints, with gap between boards according to building code and sheathing manufacturer's requirements. Sheathing boards shall also be securely fastened to the structure with proper fastener type, technique and spacing according to building code and sheathing manufacturer's requirements. Sheathing boards shall be repaired or replaced if inspection reveals moisture damage, mechanical damage or if sheathing boards have exceeded the exposure duration or exposure conditions as required by the sheathing manufacturer.

OSB, Plywood, Lumber, Pressure-Treated Wood

Wood sheathing inspection carries the same protocol given for gypsum sheathing. Also, moisture content, measured with a wood moisture meter in the core of the substrate, shall be below 20%. Do not cover any wooden materials with Barritech VP or CCW accessories if moisture content is 20% or above. Do not encapsulate wood (such as nailers) with membrane, as this will cause premature rot. In most cases fire- and pressure-treated wood must be kiln dried to accommodate the less than 20% moisture content requirement.

Surface Preparation

Apply CCW contact adhesive to ALL surfaces accepting CCW self-adhered flashings. CCW-702, CCW-702LV, CCW-702 WB, CCW-715, CAV-GRIP™ and Travel-Tack are all acceptable for this application. Apply SURE-SEAL® primers to all surfaces accepting P/S Eastoform. SURE-SEAL EP-95, HP-250 and Low-VOC Primer are all acceptable for this application. Follow the application instructions on the respective contact adhesive/ primer product data sheet.

Installation

In sheathing over stud construction, sheathing joints shall be detailed with either of the following methods: 1) 2" width x 40 mil thickness ribbon of Barribond* centered over joint; 2) 4" DCH reinforcing fabric centered over joint and imbedded in Barritech VP. Window openings, inside-outside corners, base of wall, roofline, control joints and other transitions shall be covered with CCW self-adhered flashing, CCW liquid flashing or imbedded reinforcement as shown in Barritech VP details. P/S Elastoform may be used to detail expansion joints and window wall transitions.

Please consult CCW details for guidance.

Apply Barritech VP at the thickness and coverage as specified in the Table of this document. Recommended spray tip sizes for airless spray are GHD 635 for high coverage and GHD 429 for detail coat. Please consult CCW's Spray Equipment Brochure for detailed information. Barritech VP may also be applied with a paint roller. For roller application, apply a minimum of two coats to build the target thickness. For roller application, allow Barritech VP to dry firm between coats.

CCW self-adhered flashing details are best applied to the substrate but can also be applied over cured Barritech VP. All surfaces shall be prepped with CCW Contact Adhesive before installation of CCW self-adhered flashing. Follow application instructions on the CCW Contact Adhesive product data sheet. Installer shall apply CCW Contact Adhesive in a sufficient footprint to extend a minimum of 1" beyond the edges of CCW self-adhered flashing. Neighboring pieces of CCW self-adhered flashing shall lap 2" minimum. Seal terminating edges of CCW self-adhered flashing with a 1" width X 40 mil thickness ribbon of Barribond* or LM 800 XL.

For installation of LiquiFiber in Barritech VP details, fill all gaps with Barribond* or LM 800 XL. Apply a base coat of Barritech VP at 30 wet mils thickness. Lay LiquiFiber into Barritech VP and press in place with chip brush or drywall knife. Set the LiquiFiber tight into corners (no bridging), and then smooth over surface. Overlap neighboring pieces of LiquiFiber at least 2" and apply Barritech VP into the laps. Immediately encapsulate the LiquiFiber with a second coat of Barritech VP. Cover all LiquiFiber with Barritech VP the same day of installation. Liquifiber is ideal for detailing window openings as it can be used on inverted surfaces, and it will conform to complex multi-plane details without precise cutting and fitting.

Installation of DCH Reinforcing Fabric is performed like Liquifiber, with the following differences: fill all gaps exceeding ¼" with Barribond* or LM 800 XL. DCH Reinforcing Fabric is best used over straight-run conditions such as board joints and corners.

Cold Temperature Installation:

For installation below 40°F, store Barritech VP pails, drums and spray equipment in a heated area until use. If applying product over Barribond* sealant details, apply a scratch coat of Barritech VP (approx 10 mils) over Barribond*. Allow scratch coat to dry to touch, then apply the remaining product thickness. A 60 mil coat of Barritech VP requires minimum 48 hours

*Refers to Barribond, Barribond XL or Barribond HP

of dry weather to cure solid at 20°F/50% RH. Persistent shade, thicker coating, higher humidity or substrate dampness will increase drying time.

Barritech VP may be left exposed up to 6 months (180 days). If the membrane is damaged during exposure, repair damaged membrane by removing loosely adhered material, cleaning the surface and coating the damaged area with the target thickness coating of Barritech VP.

Clean Up

Promptly clean uncured Barritech VP from hands, tools, surfaces and spray equipment with tap water. Cured product must be removed mechanically or can be removed with paint stripping chemicals.

Limitations

- Do not apply Barritech VP onto horizontal surfaces where water is expected to stand, such as window sills, decks, shelf angles and footings.
- Do not allow product in packaging or in spray equipment to freeze.
- Maintain product temperature above 50°F during spray.
- Do not apply at ambient temperature below 20°F or if temperature is expected to fall below 20°F in the next 16 hours.
- Do not apply product in damp conditions or in rain. Do not install if rain is expected during drying time of product.
- Do not use in areas where temperatures exceeding 180°F are anticipated.
- Product is designed to be used as a positive side water barrier and will not function as negative side water barrier.

Packaging

Barritech VP

Fluid-applied, fire-resistant air/vapor barrier packaged in 50-gallon drums and 5-gallon pails

Other CCW Products:

CCW Self-Adhered Flashings 705 FR-A (180 day exposure) or CCW-705 (60 day exposure)
36" x 75' roll: (225 ft²/roll) 1 roll/box
24" X 100' roll: (200 ft²/ roll) 1 roll/box
18" X 100' roll: (150 ft²/ roll) 1 roll/box
12" X 100' roll: (100 ft²/ roll) 2 roll/box
9" X 100' roll: (75 ft²/ roll), 2 roll/box
6" X 100' roll: (50 ft²/ roll) 4 roll/box
4" X 100' roll: (33.3 ft²/ roll) roll/box
Self-adhrered flashings are available with standard or low temperature (XLT) adhesive formulas.

CCW SURE-SEAL Pressure-Sensitive Elastoform Flashing (P/S Elastoform)
90 mil malleable, self-adhering EPDM flashing. Provided in 50' rolls of 12", 9" and 6" widths.

Sure-Seal EPDM Primers
EP-95 Splicing Cement: solvent-based, packaged in 1-gal cans
HP-250 Primer: solvent-based, packaged in 2.5-gal pails
Low-VOC Primer: OTC Compliant, solvent-based, packaged in 1-gal cans

LiquiFiber
Glass matt consisting of randomly oriented strands in soluble binder, packaged in 300' rolls of 6" and 12" widths.

DCH Reinforcing Fabric
Woven polyester fabric available in 324' rolls of 4", 6", and 12" widths.

CCW Contact Adhesives (select any):

CAV-GRIP
Aerosol spray contact adhesive packaged in pressurized cylinders containing 30 lb. fill weight of adhesive. Reusable spray gun and 6', 12' or 18' hose are sold separately and are attached to cylinder for dispense.

CCW-702
Solvent-based contact adhesive packaged in 1-gal cans and 5-gal pails

CCW-702 LV
OTC-compliant, solvent-based contact adhesive packaged in 5-gal pails

CCW-702 WB
Water-based contact adhesive packaged in 5-gal pails

CCW-715
Solvent-based contact adhesive for green concrete, packaged in 5-gal pails

TRAVEL-TACK™
Aerosol contact adhesive packaged in 12-oz. cans

CCW Detail Sealants:

Barribonds (180 day exposure)
Non-sag grade, high-solids moisture-curing STPE. Packaged in 20 fl-oz sausages; Barribond (blue) – 16 sausages per box; Barribond XL (blue-gray) – 12 sausages per box; Barribond HP (navy blue) – 20 sausages per box

LM-800XL (60 day exposure)
Trowel-grade synthetic rubber sealant packaged in 29 fl-oz cartridges, 12/case and in 5-gal pails (Note: maximum UV exposure of 10 days)

CCW Liquid Flashings:

Barrithane VP roller or brush applied high-solids, moisture-curing STPE. 5-gal pail

Barribonds: As listed above

Storage

Store Barritech VP and accessory products in a location protected from temperature extremes, precipitation and direct sunlight. Protect Barritech VP from freezing temperatures during delivery, storage and handling. Shelf life of Barritech VP in original, unopened packaging, stored under these conditions, is one year from the date of manufacture.

SCIENCE. SERVICE. SOLUTIONS.

CARLISLE COATINGS & WATERPROOFING

AIR & VAPOR BARRIER

FIRE RESIST Barritech VP

Typical Properties

Property	Method	Results
Color	--	Un-Cured: Light Blue Cured: Medium Blue
Application Temperature	--	Minimum 20°F
Volume % Solids	--	66%
Wet Thickness	Comb Gauge	Minimum 45 mils on gypsum, wood and foam sheathing; Minimum 60 mils on concrete and masonry
Drying time of 60 mil wet film at 73ºF/50% RH*	--	3 hr until tack-free 48 hr until fully dry
Coverage (Theoretical)**	Percent solids calculation	26.7 ft²/gal (60 wet mils, 40 dry mils) 35.6 ft^2/gal (45 wet mils, 30 dry mils)
Volatile Organic Content (VOC)	SCAQMD Calculation Method	<48 g/L
Water Column Test	AATCC 127, modified 60 wet mils on CMU and DensGlass 22 inch (55 cm) column of water	No water leakage through membrane
Nail Sealability (60 wet mils)	ASTM D1970	Pass
Water Vapor Permeance (60 wet mils)	ASTM E96 B (Water Method) ASTM E 96 A (Desiccant Method)	14 Perms 0.7 Perm
Pull-Off Adhesion	ASTM D4541, modified 4" wood puck	> 30 PSI on CMU and OSB (maximum reading on gauge) > 12 PSI on DensGlass (de-lamination of facer from gypsum core)
Elongation at Break, (60 wet mils)	ASTM D412	500%
Low-Temp Flexibility (60 wet mils)	ASTM D1970, 180° bend over 1" mandrel	No cracking at -20°F
Aging/ Long-Term Flexibility (60 wet mils)	CGSB 71-GP-24M Aging 70°C [140°F] for 500 h then 180° bend	No cracking
Low-Temp Crack Bridging (60 wet mils)	ASTM C1305	No cracking after 10 cycles at -15° F
Mold Resistance	ASTM D5590	No Growth
Peel Adhesion	ASTM D903	13 lb/in on CMU and DensGlass Gold (facer failure)
Air Permeance	ASTM E 2178, Cast free film at 45 mils wet	0.000001 L/s*m^2
Air Permeance on CMU	ASTM E2178 - Mod Single, 60 mil wet coating spray-applied to CMU	</= 0.001 L/s*m² @ 75 Pa [0.0002 CFM/ft² @ 1.57 PSF]
Wall Assembly Burn Test	NFPA 285	Pass - Various wall assemblies with up to 3 inches of polyiso or XPS insulation. Consult CCW NFPA 285 White Paper for assembly details.

Property	Method	Results
Air Barrier Assembly Test	ASTM E2357. Gypsum sheathing, wall assembly with window opening, joints and penetrations. Barritech VP applied at 45 mils wet.	Air leakage after load sequence: 0.00003 CFM/ft^2 at 1.57 PSF (0.0015 L/s*m^2 @ 75 Pa)
Water Intrusion Resistance on Sheathing Wall Assembly	ASTM E331, tested on same ASTM E2357 wall assembly as above	No leaking observed after 2h at -6.24 PSF(299 Pa) and 15 minutes at 15 PSF (720 Pa)
Water Intrusion Resistance on CMU Wall	ASTM E331, Single, 60 mil wet coating spray-applied to CMU	No visible leakage to interior after 15 minutes water spray rack @ 6.24 PSF
Freeze-Thaw	ASTM E2485/ICC-ES AC212 Sec 4.2	No cracking, crazing or erosion viewed under 5X magnification; no de-lamination
Water Resistance	ASTM E2247/ICC-ES AC-212 Sec 4.3	No cracking, checking, crazing or erosion
Surface Burning	ASTM E84. Product applied @ 60 mils wet, full coverage, to cement board substrate.	Flame spread index 15 Smoke generation index 135
Measurement of Heat Release by Cone Calorimeter	ASTM E1354. 50 kW/m² Heat Flux (applied 60 mils wet on cement board)	Peak Heat Release Rate: 167 kW/m² Total Heat Release: 14.7 MJ/m² Effective Heat of Combustion: 12.3 MJ/kg

* Drying time varies with ambient temperature, ambient humidity, substrate temperature, substrate dampness, coating thickness, sun and wind. Cool, moist, shady conditions and high coating thickness present the worst case scenario, causing the product to take many days to dry. In cold, damp conditions, CCW recommends Barrithane VP as an alternative to Barritech VP.

** Actual coverage varies by substrate and is typically less than theortetical coverage due to substrate roughness and porosity, wind, scrap and installer skill. Measurable dy mil thickness may also be lower than theoretical, due to substrate roughness, porosity and measurement technique. On all substrates, coating shall be visibly continuous, with no pinholes.

Limited Warranty

Carlisle Coatings & Waterproofing Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price. This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Carlisle specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.

Carlisle Coatings & Waterproofing
900 Hensley Lane | Wylie, TX 75098 | 800.527.7092 | **www.carlisleccw.com**

REPRINT CODE: 606075 CCW-2911 - "Fire Resist Barritech VP Technical Data Sheet"

REQUIREMENT	REFERENCE	BARRITECH VP RESULTS	PROSOCO SPRAY WRAP MVP RESULTS
Chemical Composition		Acrylic polymer water-based emulsion	Synthetic Acrylic
Color		Blue	Pink
% Solids by Volume		66%	63%-69%
Coverage		26.7 ft²/gal (60 wet mils, 40 dry mils) 35.6 ft^2 /gal (45 wet mils, 30 dry mils)	50-100 SQ FT/ Gal @ 10 wet mils on ext sheathing
VOC		48 g/L	18 g/L
Drying Time		@ 73 deg F, 50% RH 3 hours to touch 48 hours full cure	@ 75 deg F, 50% RH 12 hours to touch 24 hours until firm
Drying Time until Rain Resistant		16 hours at minimum ambient temp of 32 deg F	12 hours at minimum ambient temp of 70 deg F
Application		1 coat by airless spray OR 2 coats by roller	Airless spray OR 2 coats by roller
Clean Up		Water	Water
Maximum outdoor exposure		180 days	Not intended for permanent exposure
Minimum ambient application temperature		40 deg F	25 deg F
Air Permeance	ASTM E 2178 modified, spray-applied over medium density concrete masonry unit (CMU) wall	40 mils dry film, not more than 0.001 liters per second per square meter of area at 75 Pa pressure differential	ASTM E2178 @ 75 Pa Pass: 0.0024 L / s·m2 at 75 Pa(0.0005 cfm / ft2 at 1.57 psf)
Air Leakage	ASTM E 283	40 mils dry film thickness over CMU: 0.0002 CFM/ft^2 @1.6 PSF pressure differential	ASTM E283, Pass: 0.0028 L / s·m2 at 75 Pa(0.0005 cfm / ft2 at 1.57 psf)
Minimum application thickness required to provide ≤ 0.004 CFM/ft^2 @ 1.6 PSF pressure differential [0.02 L/s*m^2 @ 75 Pa pressure differential]	MA Energy Code 780 CMR Canadian National Building Code	40 mils dry film thickness (25 SQ FT per GAL coverage)	Exterior Sheathing: Minimum 10 mils (wet),
Fire Rating	NFPA 285	Pass: applied at minimum 60 mils wet to gypsum sheathing over steel stud wall. 2.5” XPS insulation + 2” cavity and brick veneer over membrane.	Complies with NFPA 285 in various wall assemblies

REQUIREMENT	REFERENCE	BARRITECH VP RESULTS	PROSOCO SPRAY WRAP MVP RESULTS
Watertightness		ASTM E 331 No visible leakage to interior	N/A
Resistance to gust wind loading		ASTM E 330 No de-lamination of membrane or propagation of air leakage.	N/A
Resistance to sustained wind loading			N/A
Tensile Strength	ASTM D 412	Not less than 175 PSI	N/A
Tensile Elongation	ASTM D 412	Not less than 500 percent	N/A
Low Temperature Flexibility	ASTM D 1970	No cracking at minus 5 degrees F	Pass
Low-Temperature Crack Bridging	ASTM C 1305	Pass at 0 degrees F	N/A
Peel Adhesion on Concrete	ASTM D 903	Not less than 13 lb per inch of width,	Pass
Peel Adhesion on Concrete Masonry Unit		Not less than 13 lb per inch of width	
Peel Adhesion on Exterior Grade Gypsum Sheathing		Substrate failure	
Water Vapor Permeance	ASTM E 96, Method B	Not less than 12 Perms	11.71 3 perms @ 10mils
Classification	IECC 2007 Supplement	Not a vapor retarder (exceeds 10 Perms)	Not a vapor retarder (exceeds 10 Perms)
Mold Resistance	ASTM D 5590	No growth	Pass
Compatibility with Polystyrene Insulation		No solvents to attack insulation.	No solvents to attack insulation.

SUBSTITUTION REQUEST FORM

TO: _____

Project: Whiteland High School

We hereby submit for your consideration the following product instead of the specified item for the above project.

Section	Paragraph	Specified Item
105000 Solid Plastic Lockers	2.1.A	Scranton Products Tufftec Plastic Lockers

Proposed
Substitution: Columbia Lockers Plastic Lockers

Attach complete technical data including laboratory tests if applicable.

Include complete information, changes to Drawings and/or Specifications which proposed substitution require for proper installation.

Fill in blanks below, use additional sheets if necessary:

A. Does the substitution affect dimensions shown on drawings?

No

B. Will the undersigned pay for changes to building design, including engineering and detailing costs caused by substitution, if any?

Yes

C. What effect does substitution have on other trades?

None

D. Differences between proposed substitution and specified item?

None

E. Manufacturer's guarantee of proposed and specified items are:

x Same _____ Different (explain on attachment)

The undersigned states that the function, appearance and quality are equivalent or superior to the specified item.

Submitted by:
Bob Senseman
Signature *Bob Senseman*
Firm Lee Company Inc.
Address 27 S. 12th Street
Terre Haute, IN 47807
Telephone (812) 235-8155
Fax (812) 235-3587

For use by Design Consultant
Accepted Accepted as Noted
Not Accepted Received too Late
By _____
Date 8-29-23
Remarks _____

COLUMBIA LOCKERS®

A Division of PSISC®

866.337.7286
www.psisc.com

LOCKER CATALOG

NEW Recessed Handles for Phenolic Lockers

See Page 27 for More Information

ABOUT COLUMBIA LOCKERS

PSiSC is proud to provide our customers and distributors with the highest quality products made from the most durable and eco-friendly materials on the market.

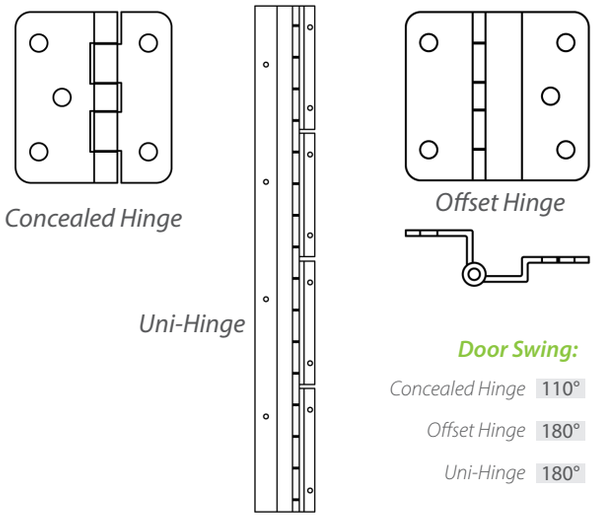
Columbia Lockers, a division of PSiSC, has been manufacturing Phenolic and PolyLife® HDPE Lockers for over 15 years. Our lockers feature mortise & tenon joints, type 304 stainless steel fasteners & hardware, aluminum & stainless steel hinges, and frameless doors.

The Uni-Box® design allows for our lockers to be arranged into hundreds of configurations and can be mixed and matched to create a truly custom locker facility.

Columbia Lockers can be combined with matching benches, hardware and a variety of optional accessories.

CONTENTS

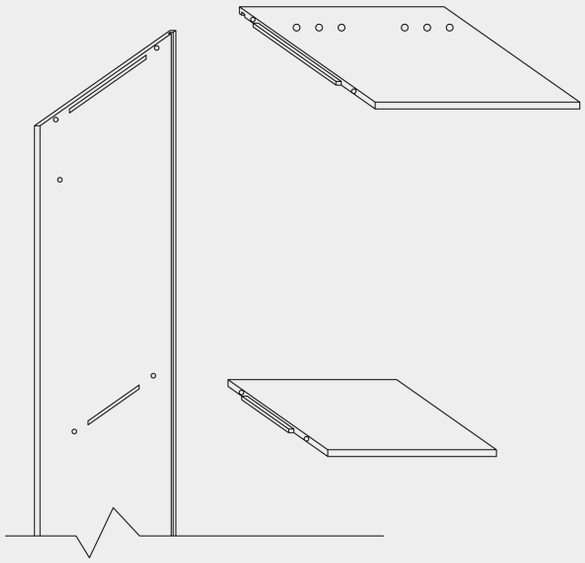
Innovative Design & Engineering



Hinges & Door Swing

Most locker designs have a limited opening and door swing, which can inhibit the end user's access to the interior of the locker. Columbia Lockers are designed with 3 additional inches of locker opening space.

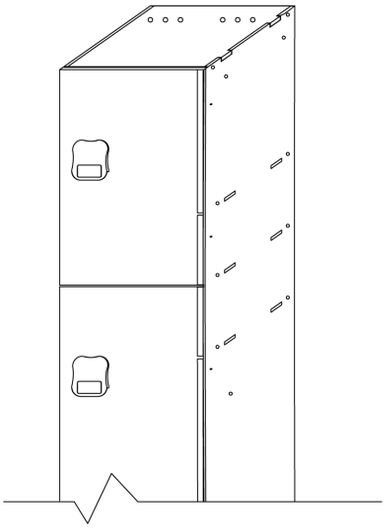
Our hinges include the: **Concealed Hinge** for phenolic lockers, made from stainless steel, the **Offset Hinge** for phenolic lockers, made from powder coated stainless steel, and the **Uni-Hinge** for both phenolic lockers (*only available in black*) and PolyLife lockers (*color matched to locker*), made from powder coated aluminum.



Mortise & Tenon Joints

Most lockers utilize what is known as a "butt joint," which places the majority of the weight of the locker and its contents solely on the screws. Over time, or with enough weight, the screws will bend, break, or pull away from the material, compromising the strength of the locker.

Columbia Lockers designed a virtually unbreakable joint, which is comprised of a mortise, or groove, cut in the side panel of the locker and a corresponding tenon, or projecting tab. The top, bottom, and shelves of the locker reside inside part of the side panels and are secured by stainless steel screws.



Frameless Doors & Improved Ventilation

Columbia Lockers incorporate an innovative solution to locker ventilation without unsightly louvers on the face of the locker. Our lockers are designed with an 1/8" opening between the door and the frame of the locker, along with concealed ventilation holes in the tops, bottoms, and shelves of the body.

This creative solution increases the airflow through the locker in a well-ventilated room by 3 to 4 times a standard locker with louvers.

LOCKER MATERIALS

It's time to raise the bar on our expectations of what a truly high quality locker should look like. Columbia Lockers began by selecting only the most durable, aesthetically pleasing materials on the market: Solid Phenolic and PolyLife HDPE.

These solid plastics are not only more durable, but will never rust, dent, or bend (unlike traditional metal lockers.) Take a look at each of our durable materials and the properties that set them above and beyond the rest.

LOCKER MATERIALS

POLYLIFE® (HDPE)

Also known as HDPE (High Density Polyethylene), PolyLife is created from 100% recyclable solid plastic material. It is an excellent choice for high-traffic, high-moisture areas and is resistant to damage from graffiti. PolyLife is non-porous and the same color throughout the entire material.

SPECIAL PROPERTIES:

Contributes to Green Building Certifications • Non-Porous • 25 Year Warranty • Graffiti & Wear Resistant • Never Delaminates or Requires Painting • Antimicrobial Handles

Antimicrobial PolyLife®

Protected by Columbia Guard, a microbiocidal that kills harmful bacteria on contact. The antimicrobial protection is infused throughout the material, making these lockers safer and more secure. Antimicrobial Lockers defend against MRSA, staph, and other harmful bacteria.

SPECIAL PROPERTIES:

Microbiocidal • 99.99% Kill Effectiveness on Contact • JIS Z 2801 Test Result of > 4.0 Efficacy • Contributes to LEED Certification • Can Be Cleaned Using Strong Chemicals

PHENOLIC

A high density material made by applying heat and pressure to layers of kraft paper that has been saturated in a synthetic phenolic resin. A chemical reaction known as polymerization occurs, transforming the materials into a high-pressure, thermosetting plastic. Phenolic is water resistant and highly durable, making it an excellent choice for high traffic areas.

SPECIAL PROPERTIES:

Contributes to Green Building Certifications • Multiple Thicknesses for Different Applications • Fire Rated Material Options • 20 Year Warranty • Graffiti & Wear Resistant • Never Delaminates or Requires Painting • Engravings available

TERRA CORE®

A true color-through phenolic, Columbia Terra Core features all of the same properties as standard black core phenolic, with the added aesthetic quality of a single color material. This sought-after material option adds a unique touch to any locker room design.

SPECIAL PROPERTIES:

Contributes to Green Building Certifications • Fire Rated Material Options • 25 Year Warranty • Graffiti & Wear Resistant • Never Delaminates or Requires Painting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CONFIGURATIONS

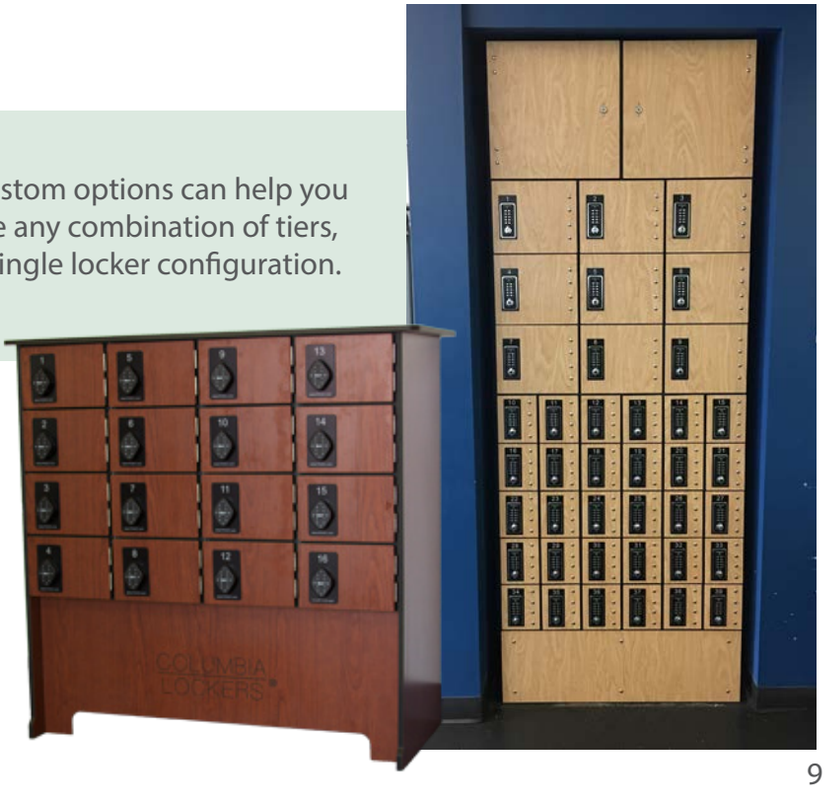
During the design process of a locker room, it's vital to keep in mind the use and functionality of the space. We understand that no two designs are ever the same, which is why we designed our lockers to be individual units.

This modular design allows for you to have the flexibility and variety to fit any layout. The designer has the ability to maximize the amount of openings while leaving room for traffic flow within the locker room.

Being able to mix and match locker door units and configurations also allows for the possibility of mixing and matching different combinations of colors, by individual unit or by row.

We pride ourselves on manufacturing the most versatile lockers on the market. If you have a custom project or something a little "different" in mind, our team of experts can accommodate you and help design the perfect lockers for your project.

Our modular design and extensive selection of custom options can help you create nearly any style of locker room. Incorporate any combination of tiers, colors, openings, door sizes, and more - within a single locker configuration.



CONFIGURATIONS

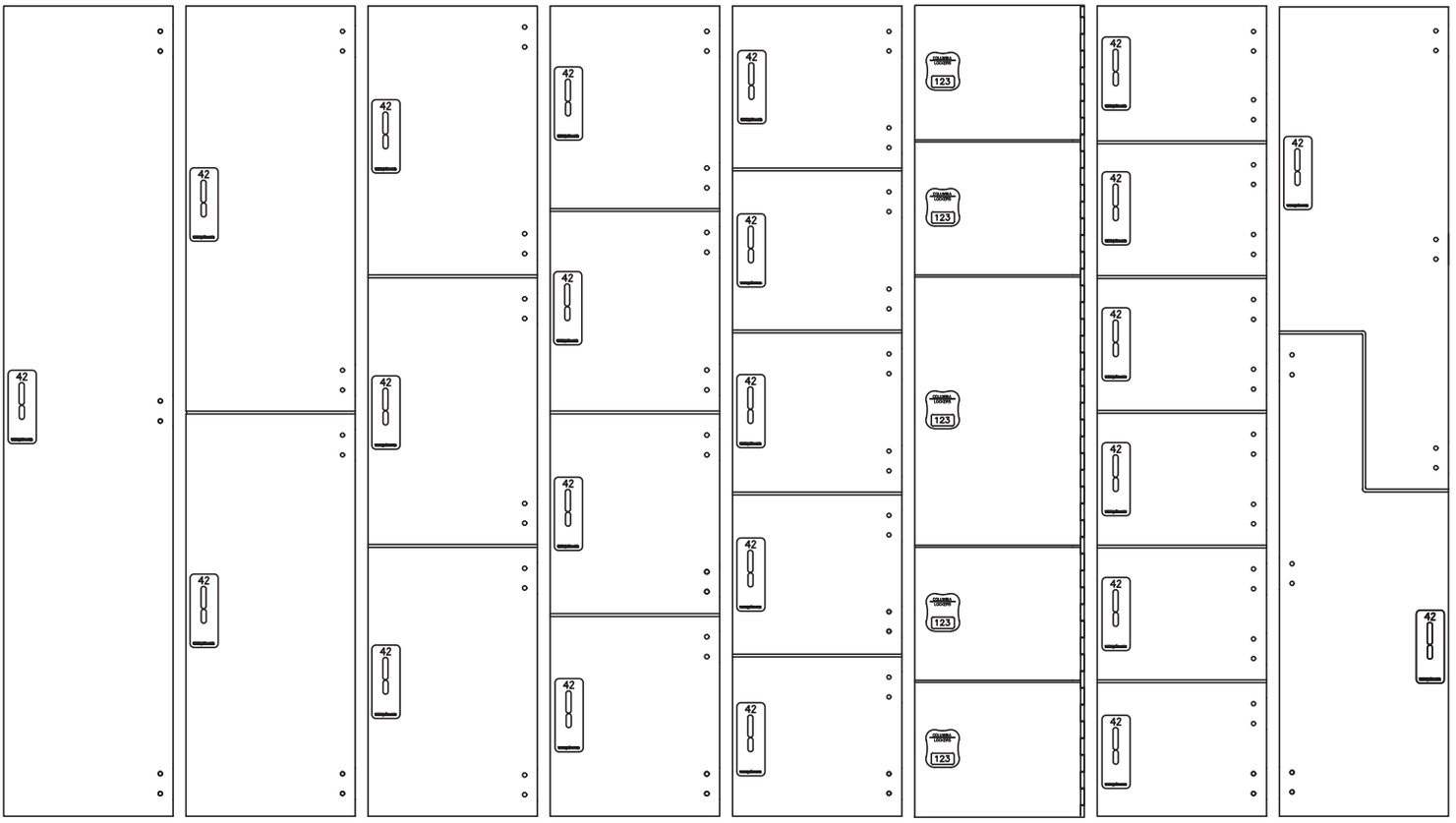
1-6 & Z-Tier Lockers

Sizes:

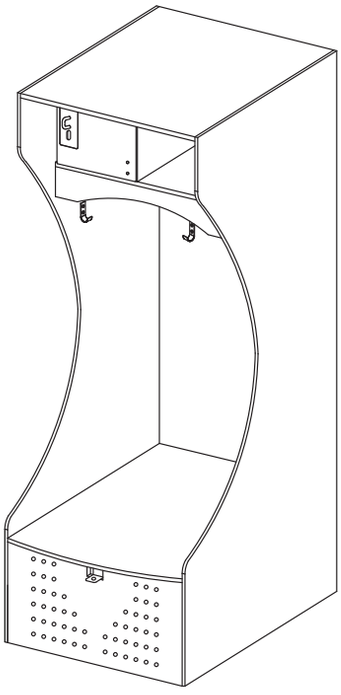
Height	36″	48″	60″	72″
Width	9″	12″	15″	18″
Depth	12″	15″	18″	

Material Thicknesses:

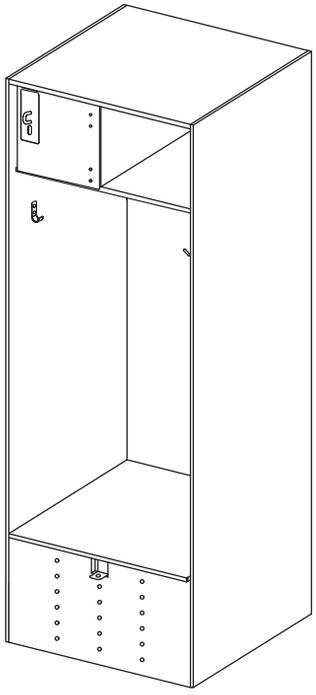
	Phenolic	PolyLife
Top, Bottom, & Shelves	⅜″	⅜″
Sides & Back	5⁄16″	⅜″
Doors	½″	½″
Benches	¾″	1″



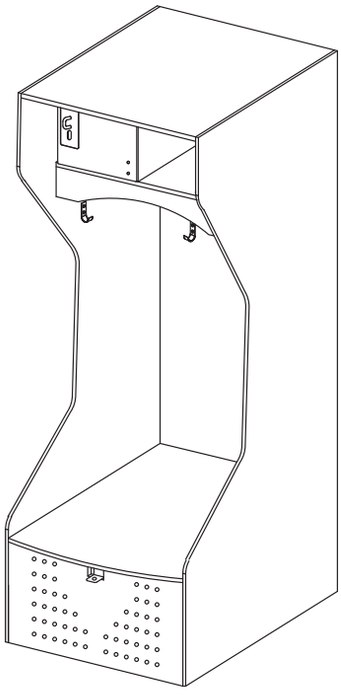
1 Tier | 2 Tier | 3 Tier | 4 Tier | 5 Tier Phenolic | 5 Tier PolyLife | 6 Tier | Z Tier



Elliptical



Classic



Angular

Athletic Lockers

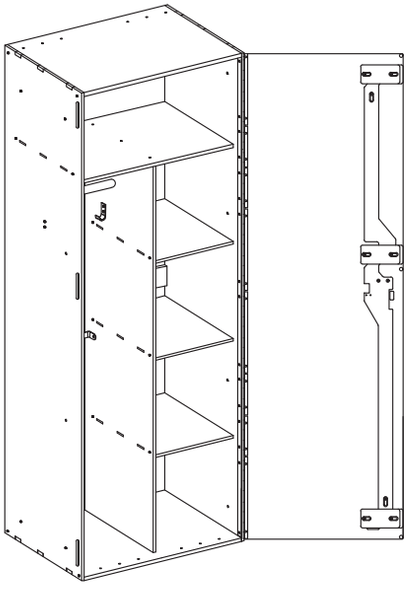
For more information, see pg. 15

Sizes:

Height	72″
Width	18″ 24″ 30″
Depth	18″ 24″ 30″

Material Thicknesses:

	Phenolic	*PolyLife*
Top, Bottom, & Shelves	⅜″	½″
Sides & Back	5⁄16″	½″
Doors	½″	½″
Locker Seat	½″	½″



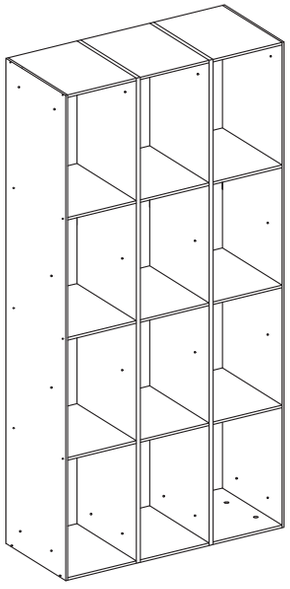
Coach's/ Executive

Sizes:

Height	72″
Width	18″ 24″
Depth	18″ 21″ 24″

Material Thicknesses:

	Phenolic	*PolyLife*
Top, Bottom, & Shelves	⅜″	½″
Sides & Back	5⁄16″	½″
Doors	½″	½″
Benches	¾″	1″



Cubbies

Sizes:

Overall Height	36″ 48″ 60″ 72″
Overall Width	9″ 12″ 15″ 18″
Overall Depth	12″ 15″ 18″
Units	From 2x1 to 6x6*

**Height Dependent*

Material Thicknesses:

	Phenolic	*PolyLife*
Top, Bottom, & Shelves	⅜″	½″
Sides & Back	5⁄16″	½″
Benches	¾″	1″

DOUGLAS
NITRO
PSI
SC
NEXT

ATHLETIC LOCKERS

Looking for a unique storage solution that can be tailored to serve all of your team's unique needs? Columbia Lockers is proud to offer athletic lockers - choose from a full line of custom locker options, accessories, and styles that can be specialized to fit every athlete's needs, no matter what level of play.

Select one of our many standard top of the line athletic lockers:

- ***Collegiate Modular Athletic Lockers***
- ***High School Athletic Lockers***

or let us customize a design that is unique to you.

COLLEGIATE MODULAR ATHLETIC LOCKERS

This top of the line series features lockers best suited for professional and collegiate sports teams. Designed as a mix-and-match modular locker, you're able to choose from 4 upper sections, 6 middle sections, and 4 base sections to create up to 96 different locker combinations.

We offer a wide variety of locker accessories and options:

- *Glass & Acrylic Doors*
- *LED & Custom Backlit Nameplates*
- *Helmet & Shoulder Pad Holders*
- *Hooks & Rod for Hanging Storage*
- *Personal Locker with Outlets & USB for Charging Securely*
- *Additional drawers or closures*
- *Vented Back Plate*
- *Custom Embroidered Bench Seats*
- *Drawer with Shoe Compartment Dividers*
- *Stainless Steel Storage Options*

Upper Section: *4 Modules*

Middle Section: *6 Modules*

Base Section: *4 Modules*

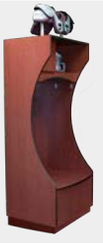
HIGH SCHOOL ATHLETIC LOCKERS

The high school athletic locker series features three locker body designs with a secure top locker and bottom lifting cabinet. Get all of the benefits from phenolic or PolyLife HDPE materials and add a more personal touch by mixing and matching dozens of add-ons and accessories.

We offer a wide variety of locker accessories and options:

- *Helmet & Shoulder Pad Holder*
- *Choose a Lock Option for the Top Locker*
- *Concealed Game Day Hook*
- *Stainless Steel Hardware & Fasteners*
- *Option for Engravings & Name Plates*
- *Lifting Cabinet for Additional Storage*
- *Optional Stainless Steel Top Locker & Bottom Cabinet*

Choose a Material & Body Style:

	Classic	*Angular*	*Elliptical*
Phenolic			
PolyLife			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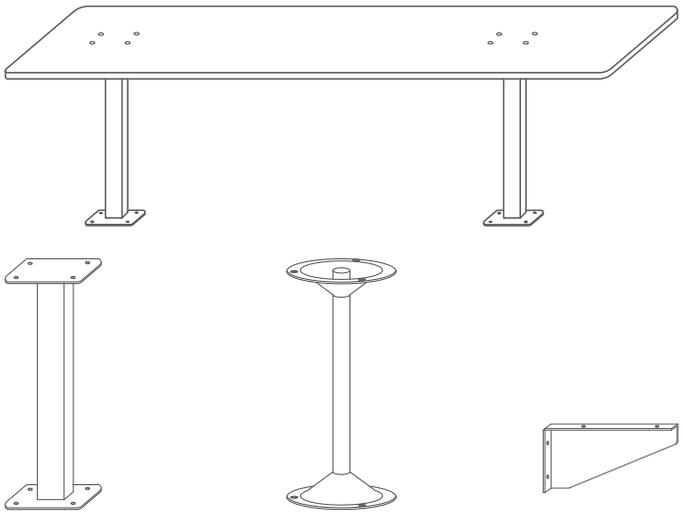
ADDITIONAL OPTIONS

When it comes to designing the perfect locker room, having a wide range of accessories and locker options is imperative. Whether you're looking to add LED lighting to a locker interior, or just need benches made of the same material as the lockers, we've got you covered.

As the industry's most experienced manufacturer of phenolic and PolyLife HDPE lockers, we welcome the opportunity to create a custom locker that exceeds all expectations in both quality and design.

ADDITIONAL OPTIONS



Aluminum Stainless Steel Wall Mounted

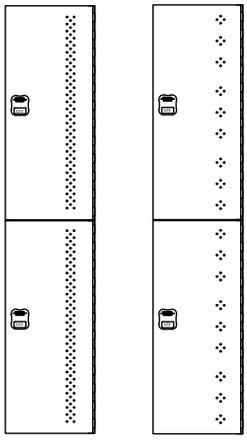
Locker Benches

Add phenolic or PolyLife HDPE locker benches to match your Columbia Lockers. Made from 1" PolyLife or 3/4" Phenolic thicknesses with rounded corners and eased edges. Bench tops are secured using thru-bolting or drilled & tapped holes for concealed attachment. Pedestals are connected to the wall or floor with stainless steel fasteners.

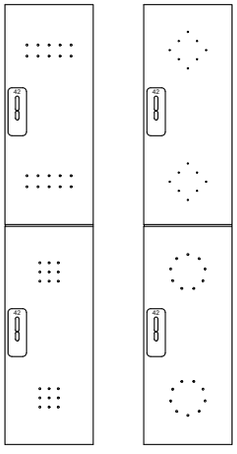
Choose between wall mounted (powder coated aluminum) or pedestal benches (powder coated aluminum, stainless steel, powder coated steel). ADA compliant benches are also available.

Sizes:

Length	36"	48"	60"	72"	84"	96"	120"
Depth	9"	10"	12"	24"			



PolyLife Options



Phenolic Options

Additional Ventilation

Columbia Lockers understand that customers may desire additional ventilation. We now offer two sets of hole patterns for each of our materials that increases airflow by approximately 17% or 47%. The 1/4" diameter holes are arranged in patterns that are designed to maintain the structural integrity of the locker door.

Engravings & Logos

Looking for a more personalized locker? Add any logo or graphic to your next phenolic locker project. Get all of the durability of solid phenolic with the added aesthetic appeal of a well-designed locker surface. Our design team will convert a mascot, logo, or custom graphic into an etched pattern. Choose any color of our phenolic materials with solid black core.

Custom Designs & Solutions

When it comes to creating the perfect locker, we believe that if you can dream it, we can design & build it. From wiring electronic components to creating custom drawers and cabinets, we have every option to create the perfect locker for your team or organization.


03
05
07
09
06

LOCK OPTIONS

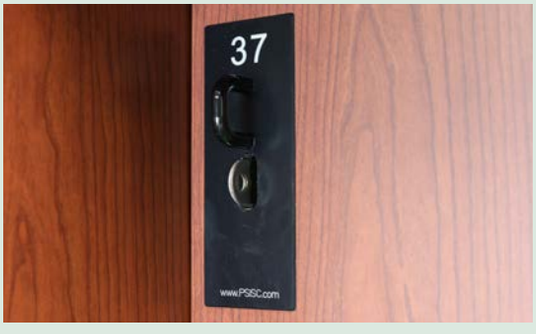
Standard Lock Option: *Hasp Bar for Padlock*

The hasp bar for padlock is a highly versatile locking system. It allows the user to bring their own lock to secure their personal belongings. The interior hasp bar is made of 11 gauge 304 grade stainless steel. This hasp bar fits through a slot on the door, offering superior theft resistance.

The identification plate is supplied for each door and is reverse engraved on the back so the front shows the numbers and will not collect dirt. Up to 4 alphanumeric characters are allowed on each plate.

PolyLife Hasp

An antimicrobial lift-handle is connected to the door to operate the latch and activation bars. A second hasp is connected to the handle which lines up with the interior hasp bar when in the closed position. A standard padlock can then be looped through both hasp bars to secure the locker.



Phenolic Hasp

The hasp bar is located in the interior of the locker and fits through a slot on the face of the door, which allows any padlock to be locked on the locker. The nylon or stainless steel handle fits nicely with the engraved name plate & makes identifying and opening the locker door easy.

Phenolic Recessed Handles

Handle and lock are flush with the locker face, perfect for hallways & other areas with a lot of foot traffic.

For more info, see pg. 27

MECHANICAL LOCKS

Brand	MasterLock	MasterLock	MasterLock
Model Number	1652	1670	1690
Latch Style	Springbolt	Deadbolt	Wrap Around
Locker Material	Phenolic	PolyLife	Phenolic
User Access	3-digit Combination	3-digit Combination	3-digit Combination
Supervisor Access	Lock Operation & Combo Changes	Lock Operation & Combo Changes	Lock Operation & Combo Changes
Assigned/Shared	Assigned	Assigned	Assigned
Left/Right Handed	Left/Right Handed	Left/Right Handed	Right Handed
Lock Orientations	Vertical	Vertical	Vertical
ADA Compliancy	ADA Compliant Key	ADA Compliant Key	ADA Compliant Key
Other Features	• Preloaded with 5 Combinations	• Preloaded with 5 Combinations	• Preloaded with 5 Combinations

				
MasterLock	Ojmar	Zephyr	Kenstan	Zephyr
3670	8001	6510	KL-100	5554
Deadbolt	Rotating Cam	Rotating Cam	Springbolt or Deadbolt	Springbolt or Deadbolt
Phenolic or PolyLife	Phenolic	Phenolic	Phenolic or PolyLife	Phenolic or PolyLife
3-digit Combination	4-digit Combination or Key	User-defined Combination (Clears Upon Opening)	Key	User-defined Combination (Clears Upon Opening)
Lock Operation & Combo Changes	Lock Operation & Combo Changes	Lock Operation & Combo Changes	Lock Operation	Lock Operation & Combo Changes
Shared	Assigned/Shared	Shared	Assigned	Shared
Left/Right Handed	Left/Right Handed	Left/Right Handed (Horizontal Orientation Only)	Left/Right Handed	Left/Right Handed
Vertical	Vertical	Vertical or Horizontal	Vertical	Vertical
N/A	ADA Compliant Key	N/A	N/A	N/A
• Retains Combination Until Reset	• Die-cast Lock body in Matte Chrome Finish	• Manual Turn Knob Operation • Zinc Die-cast Lock body	• Easy to Operate	• Zinc Die-cast Lock body

Important Note: Lock availablility is subject to change, please refer to lock manufacturer's website for more information.

ELECTRONIC LOCKS

Brand	MasterLock	Zephyr	Zephyr	Zephyr
Model Number	3685	2310	2154	2254
Latch Style	Deadbolt	Rotating Cam	Springbolt	Springbolt
Locker Material	Phenolic or PolyLife	Phenolic	Phenolic or PolyLife	Phenolic or PolyLife
User Access	4, 5, or 6-digit Combination or FOB	4 or 6-digit Combination	RFID Card Access	4-digit Combination or RFID Card Access
Supervisor Access	Lock Operation & Combo Changes	Lock Operation & Combo Changes	Lock Operation & Audit Trail	Lock Operation, Combo Changes, & Audit Trail
Assigned/Shared	Assigned/Shared	Assigned/Shared	Assigned/Shared	Assigned/Shared
Left/Right Handed	Right Handed	Right Handed	Left/Right Handed	Left/Right Handed
Lock Orientations	Vertical	Vertical or Horizontal	Horizontal	Horizontal
ADA Compliancy	ADA Compliant Options Available	N/A	ADA Compliant	ADA Compliant
Other Features	• CR123A Lithium Battery w/9V battery backup • Display/Sounds provide interactive feedback	• 2 AA Batteries • Surface or Recessed Mounting • Master Key Override • Rubberized knob for better grip	• 4 AA batteries (External battery powered emergency access) • Audible low power warning • RFID Cards, mini cards, key FOBS & wristbands	• 4 AA batteries (External battery powered emergency access) • Audible low power warning • RFID Cards, mini cards, key FOBS & wristbands

				
Zephyr	Zephyr	Zephyr	Ojmar	CompX
6210	5154	5254	OJ-100	Cam: REG-M-V-3 Springbolt: REG-S-L-3
Rotating Cam	Springbolt	Springbolt	Springbolt or Deadbolt	Rotating Cam or Springbolt
Phenolic	Phenolic or PolyLife	Phenolic or PolyLife	Phenolic or PolyLife	Phenolic
Programmable Push Button Combination or FOB	RFID Card, FOB, or Wristband	Programmable Combination or FOB	4, 5, or 6-digit Combination or FOB	4-8-digit Combination
Lock Operation & Combo Changes	Lock Operation & Audit Trail	Lock Operation, Combo Changes, & Audit Trail	Lock Operation, Combo Changes, & Audit Trail	Lock Operation & Combo Changes
Assigned/Shared	Assigned/Shared	Assigned/Shared	Assigned/Shared	Assigned/Shared Use* *Cam for Assigned Use Only*
Left/Right Handed (Horizontal Orientation Only)	Left/Right Handed	Left/Right Handed	Left/Right Handed	Left/Right Handed
Vertical or Horizontal	Horizontal	HorizontaL	Vertical	Vertical or Horizontal
ADA Compliant Options Available	ADA Compliant	ADA Compliant	ADA Compliant Options Available	N/A
• Zinc Die-Cast Lock Body • Wireless Capability with optional Hardwire Capability • Audible and LED visual indicators	• Zinc Die-Cast Lock Body • Audible and Visual LED Indicators • Humidity Resistant	• Zinc Die-Cast Lock Body • Audible and Visual LED Indicators • Humidity Resistant	• Black or White Finishes • 3 Color LED for Lock Status • Automatic Open & Time-Delay Open via Software • Low Battery Indicator	• Low Battery Indicator • Easy to Clean • 2 AAA Batteries (Accessible from outside of Locker Body)

Important Note: Lock availablility is subject to change, please refer to lock manufacturer's website for more information.

ELECTRONIC LOCKS, *Continued*

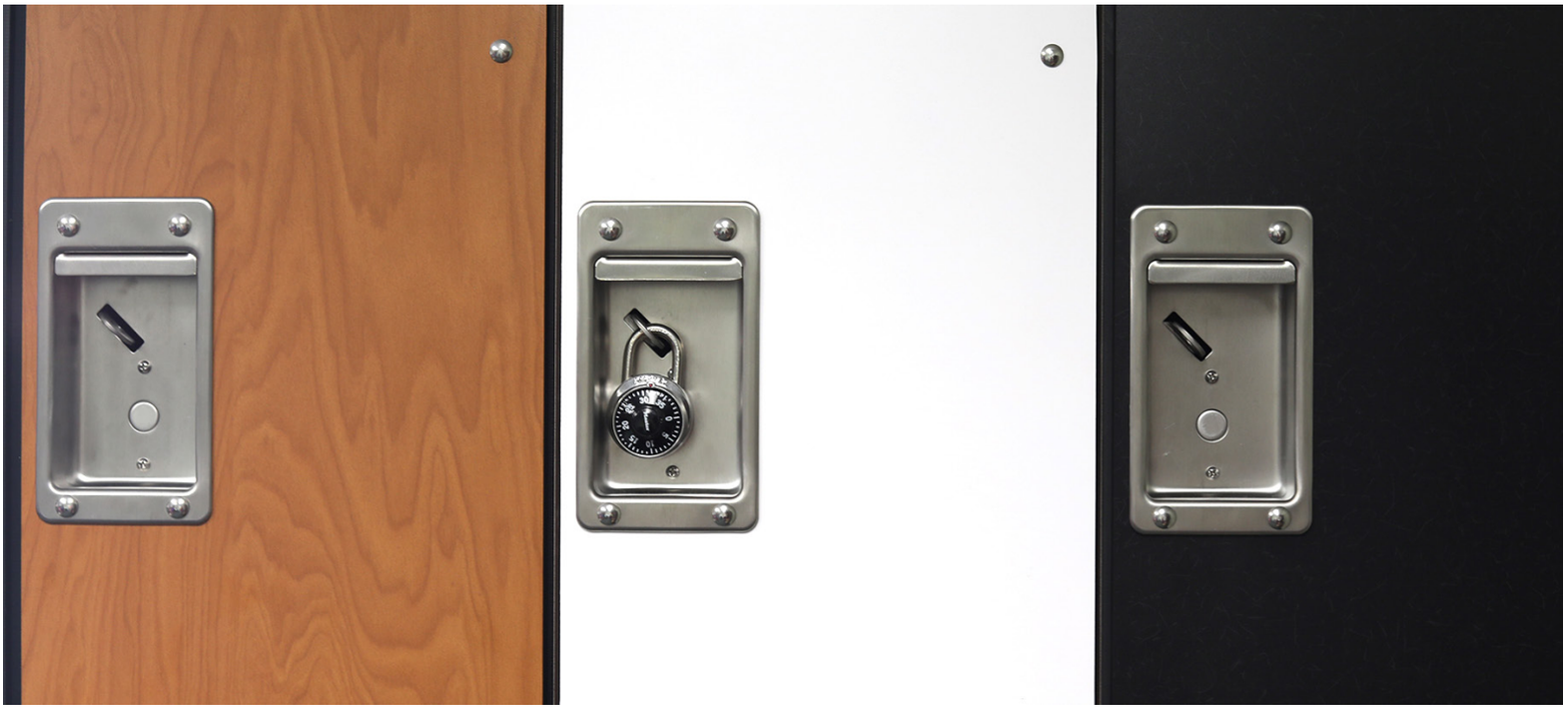
Brand	Digilock Axis	Digilock Cue	Digilock Sola	Digilock Legacy
Model Number	DL-100	DL-535	DL-540	DL-500
Latch Style	Springbolt or Deadbolt	Springbolt or Deadbolt	Rotating Cam	Springbolt or Deadbolt
Locker Material	Phenolic or PolyLife	Phenolic or PolyLife	Phenolic	Phenolic or PolyLife
User Access	4-digit Combination, Key, or Touch RFID	4-digit Combination, Key, or Touch RFID	Programmable Combination	Programmable Combination
Supervisor Access	Lock Operation & Combo Changes	Lock Operation & Combo Changes	Lock Operation & Combo Changes	Lock Operation & Combo Changes
Assigned/Shared	Assigned/Shared	Assigned/Shared	Assigned/Shared	Assigned/Shared
Left/Right Handed	Left/Right Handed	Left/Right Handed	Left/Right Handed	Left/Right Handed
Lock Orientations	Vertical or Horizontal	Vertical	Vertical or Horizontal	Vertical or Horizontal
ADA Compliancy	ADA Compliant Options Available	ADA Compliant Options Available	ADA Compliant Options Available	ADA Compliant Options Available
Other Features	• 4 AA batteries • 2 Models: Standard Keypad or Touch RFID Access • Optional Pull Handle • 2 Body Style Options	• 4 AA batteries • 2 Models: Standard Keypad or Touch RFID Access • Integrated Pull Handle • Key or Code Managed Options	• 2 AAA batteries • Visual & Audible Indicators • Key or Code Managed Operations	• 4 AA batteries • Optional Pull Handle • 2 Body Style Options

Important Note: Lock availablility is subject to change, please refer to lock manufacturer's website for more information.

Don't see a lock you're looking for? Ask a member of our team about a specific lock brand or model for your locker projects.

NEW

PHENOLIC RECESSED HANDLES



Solid phenolic is the most durable material for the manufacturing of lockers and is an excellent choice for high-traffic facilities. As a highly versatile and customizable material, it was a surprise to discover an important aspect was missing from the phenolic locker market: a flat locker face.

As the first and only recessed handle on the phenolic locker market, Columbia Lockers is proud to introduce this innovative design option to our entire phenolic locker product line.

Recessed handles are a safer option because passerby foot traffic can avoid bumping into or catching on a handle or lock that protrudes from the surface of the lockers.

Recessed Handles are available for any configuration of phenolic Columbia Lockers.

MANUFACTURED BY PSiSC®:

COLUMBIA LOCKERS®

COLUMBIA PARTITIONS®

COLUMBIA ACCESSORIES®

SEE OUR SPECIFICATIONS:

MASTERSPEC® building specs done right

ARCAT®

BSD speclink™

PSiSC®
PARTITION SYSTEMS INTERNATIONAL
OF SOUTH CAROLINA
"Promoting a Greener Environment"
A DIVISION OF CSSC®

825 Garland Street | Columbia, SC 29201
www.psisc.com **Office:** 866.337.7286 **Fax:** 866.337.7291

CSiSC®
COLUMBIA SYSTEMS INTERNATIONAL
OF SOUTH CAROLINA

ADDRESS
825 Garland Street
Columbia, SC 29201

PHONE
866.337.7286

WEBSITE
www.PSiSC.com

POLYLIFE®
COLOR CHART

Also known as HDPE (High Density Polyethylene), PolyLife® is created from 100% recyclable solid plastic material. It is an excellent option for high-traffic areas and is resistant to scratches and graffiti, along with a non-porous surface. PolyLife® is the same color throughout the material.

ECO-FRIENDLY
Contributes to Green Building Certifications

CLEANER SURFACES
Antimicrobial Lockers Available

SAFER OPTIONS
Standard or ASTM E-84 Class A Fire Rating Options

PSiSC®
PARTITION SYSTEMS INTERNATIONAL
OF SOUTH CAROLINA
"Promoting a Greener Environment"
A DIVISION OF CSiSC®

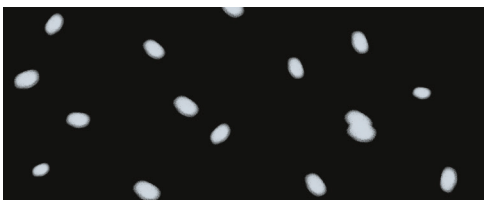
COLUMBIA PARTITIONS® COLUMBIA LOCKERS®

POLYLIFE®

Made from high density polyethelyne (HDPE), this durable material is recommended for high-traffic facilities. Non-porous & will not delaminate, crack, or break.

LOCKER & PARTITION COLOR GUIDE

Color matching is limited by printing process. Actual samples available and recommended prior to color selections.



PL-280 Black Paisley*

**Black Paisley is not available for the manufacturing of lockers*

PL-200 Cement

PL-180 Cream

PL-290 Midnight

PL-220 Taupe

PL-330 Sandstone

PL-300 Deep Blue

PL-320 Forest

PL-210 Garnet

PL-340 Slate

PL-130 Slate Speckle

PL-120 Sand Speckle

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Columbia, SC 29201

866.337.7286

www.PSiSC.com

5-25-2018

COLUMBIA LOCKERS®
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Columbia PolyLife® 193PL

Technical Data Sheet

MATERIALS

General: Material shall be Columbia PolyLife® Recyclable Plastic HDPE and shall be manufactured of 25% Post Consumer materials. Surface and edges shall be nonporous. Provide material which has been selected for uniform color, surface flatness and even texture. Exposed surfaces which exhibit discolorations, pitting, seam marks, roller marks, stains, telegraphing, or other imperfections on finished units are not acceptable. Locker materials shall contribute LEED® Certification credits for New Construction, Existing Buildings and Schools. MR 4.1, 4.2, 5.1 & 5.2, and EQ 4.

SPECIFICATIONS

Locker Doors: Locker Door shall be the full width of the Locker Body and shall be frameless, allowing access to the entire width of the Locker. Framed Doors are unacceptable. Perimeter ventilation shall provide superior ventilation properties to traditional framed doors. Doors shall be attached to the Hinge with Stainless Steel Theft Proof Torx Head with Pin fasteners.

Locker Body: The Locker Body shall be white in color. The Locker Body shall incorporate mortise and tenon construction and shall be mechanically fastened together with Stainless Steel fasteners. Locker Shelves shall be mortised into side walls of the Locker Body at location determined by Architect. The Hinge shall be attached to the Locker Body with Stainless Steel Theft Proof Torx Head with Pin Bolts. Lockers shall arrive at construction site fully assembled

Locker Hinges: Provide one (1) Aluminum Uni-Hinge® for each Locker Frame. The Aluminum Uni-Hinge® shall be made of continuous Heavy Duty Extruded 6063-T5 Aluminum. Pivot Pin shall be made of Type 304 Stainless Steel. Pivot Pin shall be .1875” (5 mm) in diameter and shall be made in two parts and shall extend the length of the Locker Body. Uni-Hinge knuckles shall be separated with two steel washers. Hinge leaf that attaches to Locker Body shall be continuous and shall extend the full height of the Locker Body. Single to Six Tier Lockers shall use one Uni-Hinge®. Uni-Hinge® shall be attached to the Locker Body with Stainless Steel Theft Proof Torx Head with Pin Fasteners. Uni-Hinge® shall have a Black or Silver Powder Coated Finish. Knuckles of Uni-Hinge shall be exposed, allowing Door to open 180°.

Master Lock Mechanical Day Lock (PolyLife®): Provide One (1) Mechanical Day Lock (Model 3670) as manufactured by Master Lock for each Locker Door. Locks shall have a Brushed Nickel Finish and utilize the Deadbolt Feature. Dead Bolt will engage into the Activation Bar mounted to the back of the Locker Door. Users shall access their Locker with a Self-Selected 3 Digit programmable User Code. Manager Bypass Keys shall be provided.

Coat Hooks: Coat Hooks shall be fabricated of 11 Gauge Type 304 Stainless Steel with a Satin Finish. All edges shall be polished and smooth. Coat Hooks shall be attached to the Locker Body with Stainless Steel Theft Proof Torx Head with Pin fasteners or Through Bolts. Provide three (3) Coat Hooks for Single Tier Lockers and four (4) for Double Tier and “Z” Lockers. Three Tier to Six Tier do not receive coat hooks. Plastic and aluminum Coat Hooks are unacceptable.

Number Plates: Provide a Number Plate for each Door or opening, in the sequence as indicated on the drawings. Number Plate shall be engraved from the back side to prevent the accumulation of dirt and grime.

Locker Legs: Provide Locker Legs for all Lockers except recessed and base mounted Lockers. Locker Leg assembly shall be structural and shall be fully adjustable to provide for leveling and plumbing of Locker Body.

COLUMBIA LOCKERS®
MANUFACTURED BY PSiSC®

9031 Farrow Rd, Columbia, SC 29203
Phone: 1-866-337-7286 Fax: 1-866-337-7291
Website: http://www.columbialockers.com

Provide Toe Kick Plates with all necessary hardware for attaching to the Locker Leg.

INSTALLATION

1. Comply with manufacturer's written installation instructions. Install Lockers rigid, straight, plumb and level.
2. Through Bolt Locker Boxes together with Stainless Steel Theft Proof Torx Head with Pin, Through Bolts.
3. Anchor Locker Boxes to the wall with provided anchor devices.
4. Install Slope Tops, End Panels, Filler Strips and accessories in accordance with written instructions.

QUALITY STANDARDS

Flame Spread: When tested in accordance with ASTM E84, Lockers, Athletic Lockers, Wardrobe Cabinets, School Cubbies and Locker Bench materials shall meet or exceed all requirements for Class B Flame Spread Rating and Smoke Developed and shall carry a Class B Fire Rating Certification in accordance with the requirements of NFPA and ICC. Class B Fire Rating Certification shall be in the name of the Locker Manufacturer and shall be less than six (6) months old.

1. Flame Spread shall not exceed 75.
2. Smoke Developed shall not exceed 450.

LEED® Contribution Requirements: Locker materials shall contribute LEED® Certification credits for New Construction, Existing Buildings and Schools. MR 4.1, 4.2, 5.1 & 5.2, and EQ 4.

FABRICATION

General: Provide factory pre-assembled Locker units. Lockers shall be complete with all hardware and accessories listed above. Knock down units are unacceptable.

Slope Tops and End Panels: Provide Slope Tops and End Panels as required to complete the installation of the Lockers.

Edition: Columbia PolyLife® 193PL/20238

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DOCUMENT 00 12 10 – SUBSTITUTION REQUEST FORM

TO: Misha Belyayev, Lancer Associates

Project: Whiteland Community High School Additions

We hereby submit for your consideration the following product instead of the specified item for the above project:

Section	Paragraph	Specified Item
125300	2.01	Acceptable Science Casework Manufacturers

Proposed Substitution: Case Systems Science Casework and Latitude Student Table

Attach complete technical data including laboratory tests if applicable.

Include complete information changes to Drawings and/or Specifications which proposed substitution require for proper installation.

Fill in Blanks Below, use additional sheets if necessary:

A. Does the substitution affect dimensions shown on Drawings?
No

B. Will the undersigned pay for changes to building design, including engineering and detailing costs caused by substitution, if any?
Yes, but no changes anticipated

C. What effect does substitution have on other trades?
None

D. Differences between proposed substitution and specified item?
Slight change in general appearance of the Student Tables, but design intent and functionality remain intact

E. Manufacturer's guarantees of proposed and specified items are:

X Same _____ Different (explain on attachment)

The undersigned states that the function, appearance and quality are equivalent or superior to the specified item.

Submitted by:

Ian Armstrong - Divisional Manager
Signature
Firm Stonecreek Interior Systems, LLC
Address 1642 Broadway Ave NW
Grand Rapids, MI 49504
Telephone 616-344-8164

For use by Design Consultant

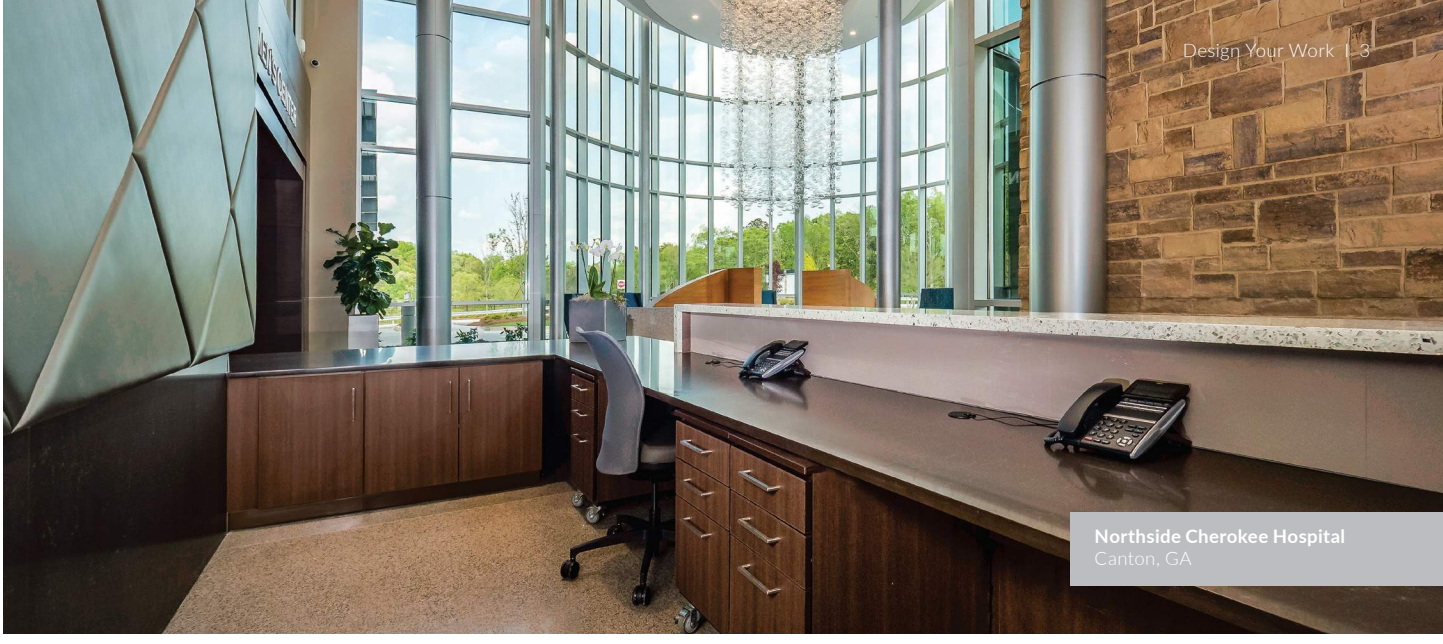
Accepted — Accepted as Noted
Not Accepted — Received too Late
By
Date 8-29-23
Remarks

CASE SYSTEMS

Design Your Work

"Quality in all its forms,
draws people to it."

Alden B Dow



Northside Cherokee Hospital
Canton, GA

The Case Systems Experience

Your Vision. Your Creativity. Our Promise.

A quiet, comfortable recovery room. A bright and clean play area for a classroom. A functional and professional meeting space. Your work may begin with precise measurements, agonizing hardware choices, and long nights considering finish options…but with Case Systems' line of casework solutions, you can focus on your real job – the creation of spaces that celebrate humanity, and its many seasons.

LA Tech University, Women's Basketball
Ruston, LA

Trusted Performance

Quality delivered. On time. Every time.

Your work. Your space. Our "design your work" approach is our commitment to ensuring that we develop elegant, practical, and flexible furniture & casegood solutions that meet your unique needs. We deliver on time; complete and accurate—every time.

Our commitment to you goes well beyond the box. We'll work with you and support your creativity with our deep understanding of high quality casework that comes from decades of engineering and manufacturing experience. Together we will build unforgettable spaces and create environments that bring your vision to life!

From a small, regional supplier in Midland, Michigan, to a nationally recognized casework producer and market leader; we've been delivering value, quality, and the best customer-focused experience since 1948!

Michigan based — Serving Nationwide.

Strong in Your Region

Case Systems offers you local expertise and support. We know that each area of the United States works just a little bit differently and our dealers are the experts you can rely on for your next project. Your project demands a lot of you – take advantage of any help you can get: Case Systems and our extensive dealer network are here to assist you.

Visit casesystems.com to find detailed contact information for your Case Systems dealer.

Cleveland Heights High School
Cleveland, OH

Solutions for Every Market

Versatility is Our Speciality

Case Systems started out in the K-12 market, but we have always looked for new opportunities and taken on new challenges with much success. In the meantime, we are experts in many areas: Education, Healthcare, Laboratory Solutions and more! We think beyond the box and together with our customers and dealers find creative solutions for new casework applications.

While we are known for our excellence in building a wide array of standard architectural casework products – we also create wonderfully personalized custom projects. We love a challenge!

K-12 | Healthcare | Laboratory | Mobile | Commercial | Athletic | Higher Education | Music

Olathe West High School
Olathe, KS

Morton College
Cicero, IL

Harding High School
Bridgeport, CT

Central Park STEM Elementary School
Midland, MI

Case Systems

The Quality is Built in

Not all casework is created equal.
The design process, materials used, finishes and manufacturing standards all affect the final product. Every decision is vital to getting the most value for your investment. You deserve furniture and storage that meets your demands for quality and durability and will enhance your working environment for years to come. At Case Systems, we're committed to working with you to find the right materials—and the right solution for your space and budget.

Competitive Pricing
In an era of tight budgets, we offer a wide range of products and will work closely with you to meet your project needs, while ensuring that you remain within your budget. With laminate casework you can create stunning designs without breaking the bank.

Certifications & Accreditations
There is a peace-of-mind that comes when the choice of quality is made. Our custom-made casework is extremely durable and designed to withstand a variety of uses while sustaining a high level of performance. Case Systems has been certified under the Quality Certification Program (QCP) of the Architectural Woodworking Institute (AWI) to produce custom and premium grade, the highest quality casework. We offer optional SEFA 8 Certified casework construction methods. We are pushing ourselves to go beyond what is required to deliver sustainable products and practices. In fact, many of our products contribute to a building's Leadership in Energy and Environmental Design (LEED®) certification. If your project calls for chain of custody, we have Forest Stewardship Council® (FSC®) products available upon request.

Customer Focus and Creative Solutions
As a high-volume Division 12 casework manufacturer you expect from us efficient, high-quality solutions that are repeatable over many projects. What you might not expect are creative solutions that are designed for your specific application. But this is exactly the flexibility and customer focus that sets us apart. We listen to your needs and put our decades of experience to work — for you!

Continuous Education
Case Systems is the expert in laminate casework and we are a provider in the AIA CES program. We offer Lunch&Learn sessions throughout the country and would love to treat your team to an educational luncheon.

CONTINUING EDUCATION AIA

AWI ARCHITECTURAL WOODWORK INSTITUTE

CERTIFIED QUALITY WOODWORK

FSC www.fsc.org FSC® C004892 The mark of responsible forestry

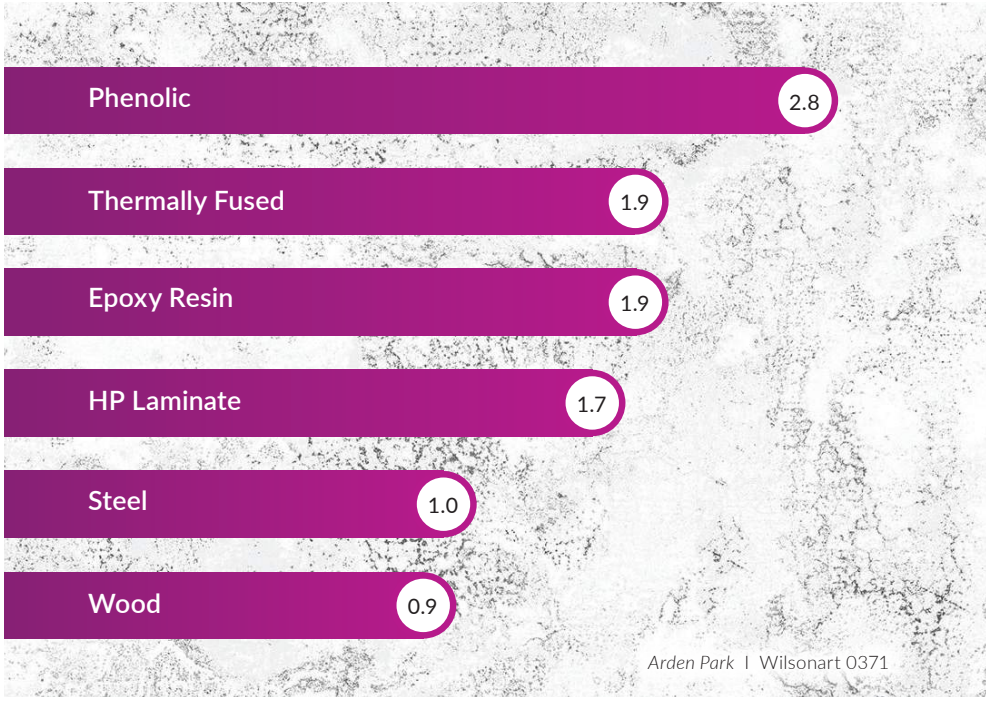
SEFA

Peace of Mind: Warranty

With decades of experience in manufacturing the finest and most durable line of casework products, we know how carefully it is engineered and how well it holds up in daily life. This is why we confidently back our cabinets up with a 5-year Guarantee and Limited Warranty.

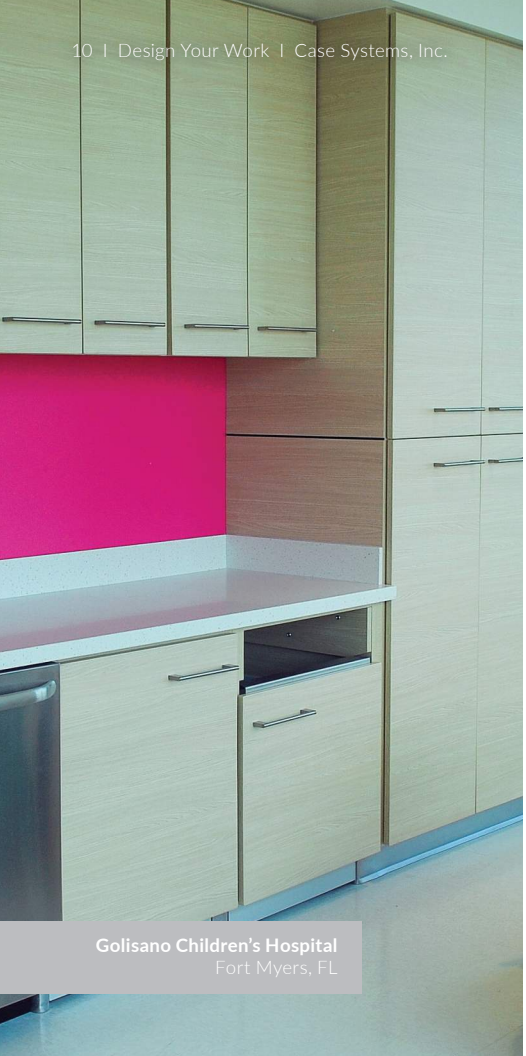
Upgrade to Laminate

When we say upgrade to laminate we mean it! Laminate cabinets are versatile, durable and beautiful. With a huge selection of colors, wood grain, and other patterns, there is a perfect choice for everyone. When designing an environment, you want a material that doesn't limit your creativity and gives you lots of choices. Choose plastic laminate: BOLD. BEAUTIFUL. STRONG!



SEFA Chemical Test Comparison

In testing against Scientific Equipment and Furniture Association (SEFA) standards, both high-pressure laminate and thermally fused melamine outperformed laboratory-grade painted steel or wood.



Golisano Children's Hospital
Fort Myers, FL

The Inside Story

More than Meets the Eye

1. **M2 engineered board:** Meeting ANSI A 208.1-2016 standards.

2. **Built-in strength:** A ½-inch back panel adds durability, while the ¾-inch back stretcher resists racking.

3. **Choice of colors:** Countless HPL and edge colors, for aesthetically appealing casework to enhance your decor.

4. **Robust drawer construction:** Our full 4-sided drawer design includes ½-inch-thick side members, hardwood dowel joinery and a full ½-inch-thick, non-racking, non-deflecting platform bottom that is screwed into place.

5. **Heavy-load drawer slides:** 100-pound rated, full-extention, minimum Grade 1 per ANSI/BHMAA156.9.

6. **Anti-tip shelf supports:** Adjustable anti-tilt twin pin polypropylene shelf clips are seismic-rated and lock in place to provide a dispersed shelf load. No tipping!

7. **Best-in-class construction:** Our 32mm construction method assures consistent quality and conformity while reducing manufacturing costs. It also allows for better interchangeability and easier hardware placement.

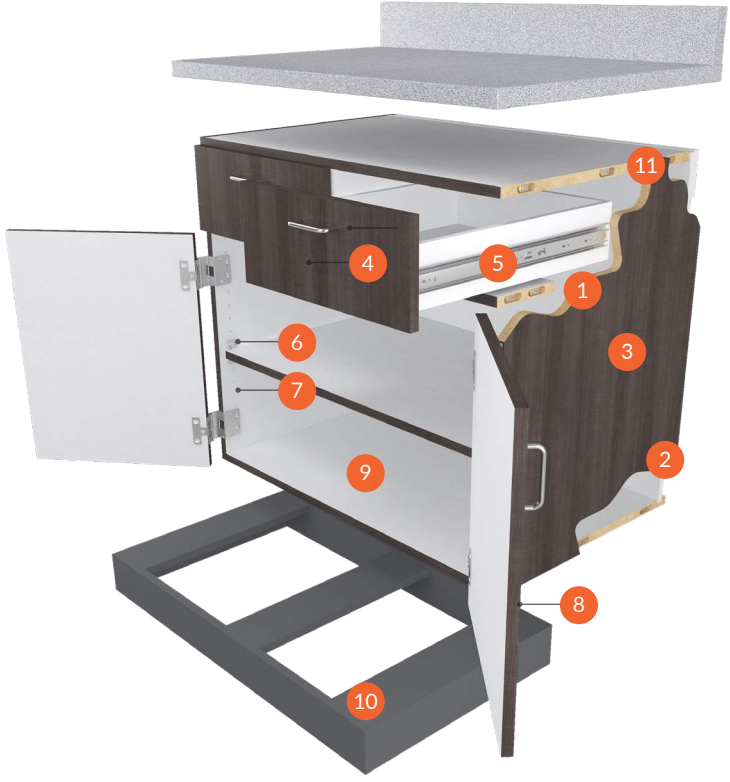
8. **Edges that stay in place:** Our 3mm PVC edges offer superior impact resistance. Hot-melt adhesive chemically bonds the edges to the engineered board, improving bonding strength.

9. **Easy to clean interiors:** Thermally fused melamine, not low-pressure or top-coated – for an abrasion resistant, clean and easily maintained interior look.

10. **Separate recessed bases:** On the base and tall cabinets, improving cabinet

support and stopping capillary action from wet floors. Separate toe bases also make for an easier installation.

11. The AWI premium-grade joinery: Passes California seismic load testing. Components are machined to aerospace tolerances. Fully concealed interlocking mechanical fasteners allow cabinets to be disassembled in the field for changes or repair without damage.



Case Systems Offices and Manufacturing Facility
Midland, MI

Proudly Built in the U.S.A.

Experience & Technology Set Us Apart

At Case Systems, our staff stays with us for a very long time. They are true experts in managing and completing large and complex orders on time. Many of our employees bring decades of experience to your project. Our team of dedicated professionals knows what it takes to finish your project on time in the heat of the busy construction summer. They will always come through for you.

Quality You can Build on
A continuous improvement manufacturing program ensures that we use our resources wisely, inspect the quality of our product, and control the timeliness of our delivery. There is peace of mind that comes with the Case Systems name.

Win the Race Against Time
In the construction business we all race against time. It's good to know that your casework partner has the capacity to build fast and in the right, consistent quality.

In our 170,000 sqft facility we have the capacity to build up to 750 cabinets a day. This is performance you can rely on when the clock is ticking.

Beyond the Box: Customization
Everywhere we look, the world demands custom applications, and casework is no exception. Case Systems can answer your need for customization and volume in a competitive way. We have invested in the latest technology and feature woodCAD|-CAM software offering us a high level of design and engineering flexibility. Enjoy the responsiveness combined with the consistent quality of casework made by Case Systems.

Laminate & Metal go Hand in Hand
We are not your average casework or millwork shop. Case Systems has the unique capability of combining laminate casework with full metal fabrication. Our sister brand BOSTONtec uses over 1.8 million pounds of steel a year in the production of height adjustable workstations. We know how to bend, laser, weld, paint and assemble metal, just as well as we know how to build high quality laminate cabinets.

The Case Systems Family

Powering Education, Research and Fulfillment

With more than 20 years of design and manufacturing experience, BOSTONtec is a leader in ergonomic, modular workstations and custom solutions. We focus on affordable yet customizable designs that increase productivity through ergonomics and improve operator safety & satisfaction.

BOSTONtec: Through The Years

Established in 1993 as Boston Technical Furniture, our product line was developed based on ergonomics and product flexibility with an emphasis on sit-stand operation through electric height adjustability.

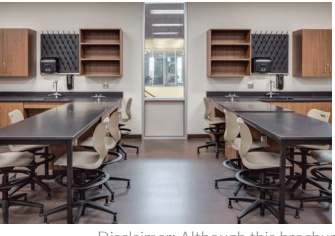
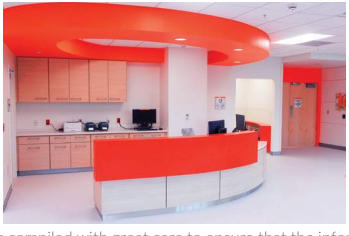
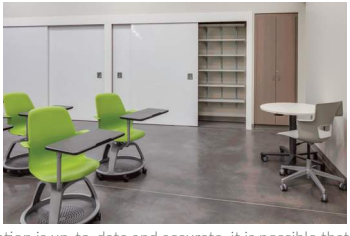
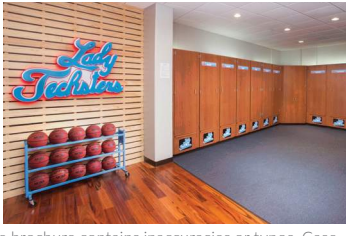
Case Systems purchased the company in 2003, changed the name to BOSTONtec and moved manufacturing operations to Midland, Michigan.

Today BOSTONtec continues to grow and expand our offering to meet and exceed customer needs. We maintain our commitment to providing workstations that increase productivity and improve quality of work life.

BOSTONtec

Valparaiso High School
Valparaiso, IN

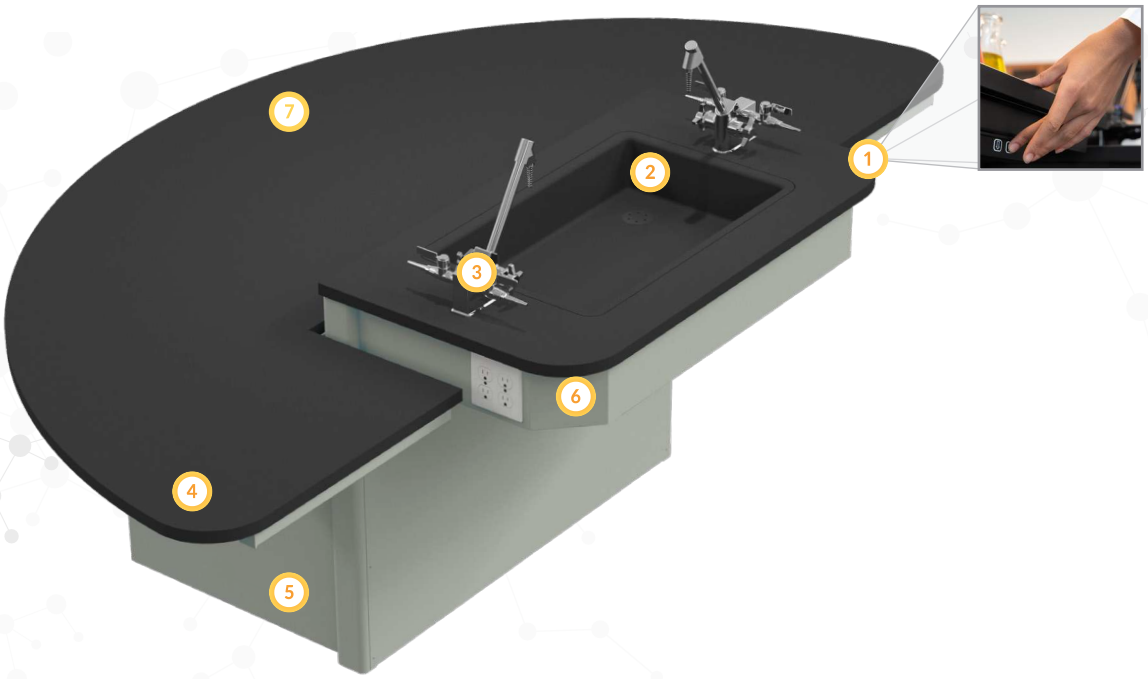
Case Systems, Inc.
2700 James Savage Rd, Midland, MI 48642
Phone: 989.496.9510 | Follow Us:
info@CaseSystems.com | CaseSystems.com

LATITUDE *By Case Systems*

Gain More. Teaching & Exploring Together.

NEW!



Introducing **LATITUDE** – functionality and ease combined. Experience the convenience of a typical lab workstation and the ease of a height adjustable desk all-in-one. If you are tired of shuffling around resources (and students,) from lecture spaces to work zones, this is your solution.

Table Highlights:

1. Supporting the modern science curriculum; switch effortlessly from lecturing to lab with fixed or electric height adjustable options. Go from 30" to 36" in seconds, saving valuable time and keeping order in the classroom.
2. Save time and optimize flow by offering sinks at each student table. (Configurations without sink also available.)
3. The Latitude table offers integrated services like gas, water & power; making experiments safe, and connections convenient.
4. Industry standard work surfaces offered in epoxy or phenolic resin options. (Alternate surfaces available upon request.)
5. Create inspiring and robust environments that support and withstand student curiosity. Match new or preexisting designs, by choosing metal or plastic laminate base pedestal enclosure panels – available in a variety of colors and patterns.
6. Fulfill your ADA sink requirements in your classroom by adding a sink to your configuration. (Sink arrangement is ADA compliant with a height of 34 inches.)
7. Comfortably seat groups of 4 students in a collaborative learning environment.

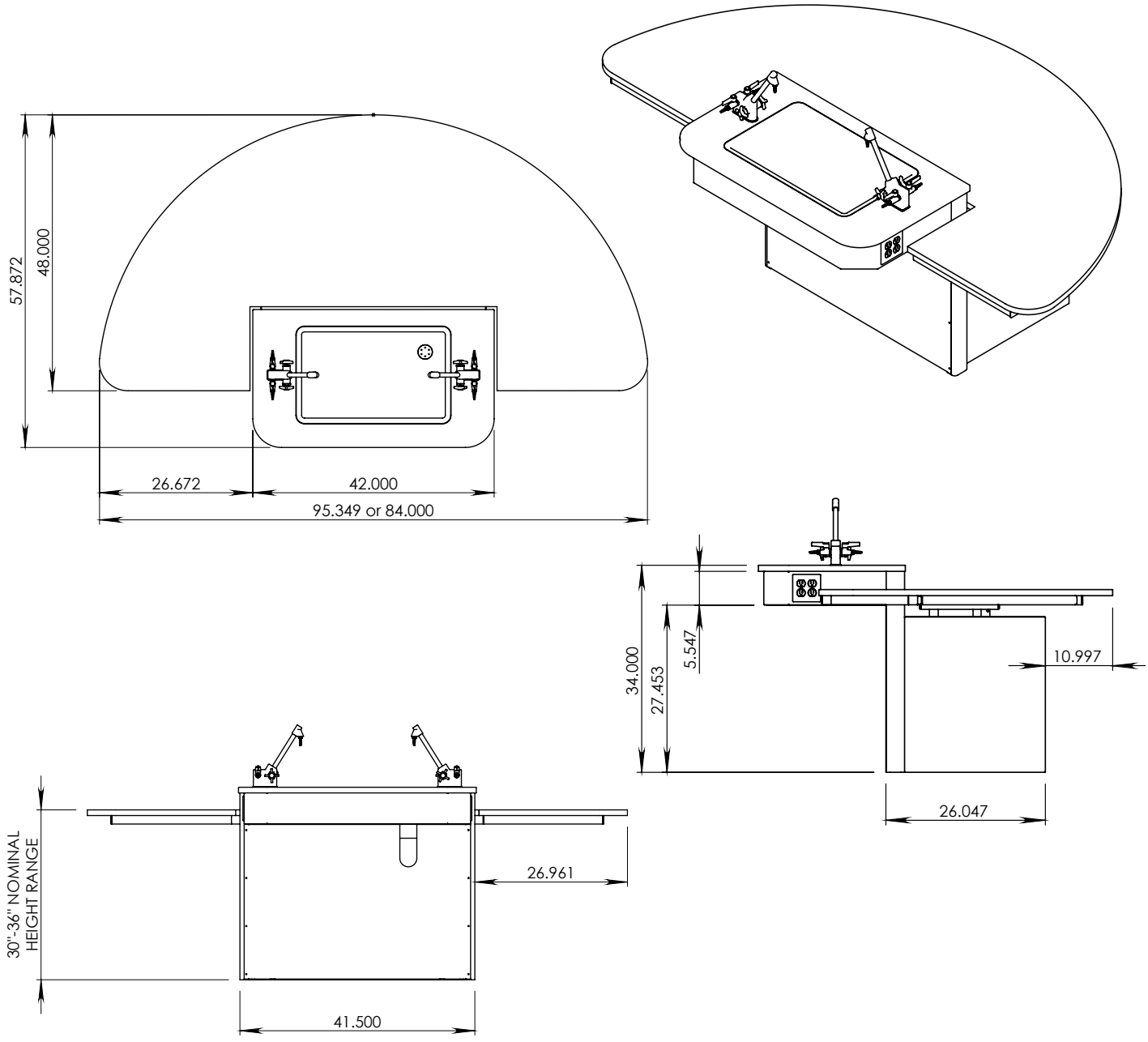
Contact your Case Systems representative today to learn more about the new **LATITUDE lab table! Visit CaseSystems.com to find your Case Systems dealer.**

CASE SYSTEMS

LATITUDE *By Case Systems*

Gain More. Teaching & Exploring Together.

NEW!



Visit CaseSystems.com to find your Case Systems dealer, order samples, or download our 3-part specification.

Case Systems, Inc.

2700 James Savage Rd, Midland, MI 48642 | 989.496.9510 I info@CaseSystems.com I CaseSystems.com

4700 Broadmoor SE, Suite 200
Kentwood, MI 49512

Telephone: 616-656-7401
Facsimile: 616-656-2022
www.intertek-etlsemko.com

CASE SYSTEMS, INC.
Date: November 14, 2016
P.O. No. 71

Report No.:102733878GRR-001B
Quote No.: 718316

Test Report For:

CASE SYSTEMS, INC.

AWS-2014 ARCHITECTURAL WOODWORK STANDARDS with references to SEFA 8-1999 SCIENTIFIC EQUIPMENT AND FIXTURE ASSOCIATION

BASE CABINET B3000 CC & WALL CABINET WO100 DA

Engineer's Name
Project Manager

Andrew Barber
Reviewer

Attention: Tom Bauer
Case Systems, Inc.
2700 James Street
Midland, MI 48641
USA
Phone: (989) 496-0813
E-mail: tom.bauer@casesystems.com

DATE RECEIVED: October 16, 2016
DATES TESTED: October 18 – November 11, 2016

DESCRIPTION OF SAMPLES:

Sample ID	Model Number	Description of Sample
1	B3000_CC	Base Cabinet
2	WO100_DA	Wall Cabinet

WORK REQUESTED/APPLICABLE DOCUMENTS:
To test the submitted samples per the Architectural Woodwork Standards Casework Integrity Testing with references to SEFA 8-1999 methods of testing for the following tests:

SEFA 8 Test No.	Test Description
4.2	Cabinet Load Test
4.3	Cabinet Concentrated Load Test
4.4	Cabinet Torsion Test
4.5	Cabinet Submersion Test
5.1	Door and Door Hinge Durability Test
5.2	Cabinet Door Impact Test
6.1	Drawer Support Test
6.2	Drawer & Door Pull Test
6.3	Drawer Bottom Impact Test
6.4	Drawer Rolling Load Test
7.1	Shelf Load Test
9.2	Wall Mounted Cabinet Load Test

CONCLUSION:

SEFA 8 Test No.	Results	Notation
SEFA 8-1999#4.2 Cabinet Load Test	Compliant	No loss of serviceability.
SEFA 8-1999#4.3 Cabinet Concentrated Load Test	Compliant	No loss of serviceability.
SEFA 8-1999#4.4 Cabinet Torsion Test	Compliant	No loss of serviceability.
SEFA 8-1999#4.5 Cabinet Submersion Test	Compliant	No loss of serviceability.
SEFA 8-1999#5.1 Door and Door Hinge Durability Test	Compliant	No loss of serviceability.
SEFA 8-1999#5.2 Cabinet Door Impact Test	Compliant	No loss of serviceability.
SEFA 8 – 1999 #6.1 Drawer Support Test	Compliant	No loss of serviceability.
SEFA 8-1999#6.2 Drawer & Door Pull Test	Compliant	No loss of serviceability.
SEFA 8-1999#6.3 Drawer Bottom Impact Test	Compliant	No loss of serviceability.
SEFA 8-1999#6.4 Drawer Rolling Load Test	Compliant	No loss of serviceability.
SEFA 8-1999#7.1 Shelf Load Test	Compliant	No loss of serviceability.
SEFA 8-1999#9.2 Wall Mounted Cabinet Load Test	Compliant	No loss of serviceability.

TEST EQUIPMENT USED:

Asset #	Description	Last Cal	Next Due
138012	Scale/0-1,000#	10/18/2016	10/18/2017
138112	Graduated Rule 36"	VBU	VBU
138279	FORCE GAUGE	3/4/2016	3/4/2017
138296.1 - .41	STEEL BAR	01/04/2016	01/04/2017
138375	DIGITAL CALIPER	1/18/2016	1/18/2017
138402	SCIENTIFIC STOPWATCH	4/26/2016	4/26/2017
138403	SCIENTIFIC STOPWATCH	4/26/2016	4/26/2017

FIVE-YEAR GUARANTEE
&
LIMITED WARRANTY

All standard products manufactured by Case Systems carry a five (5) year guarantee and Limited Warranty to the original owner against defective material and workmanship. This is a warranty of replacement and repair only, whereby Case Systems will correct defects in material and/or workmanship without charge.

Case Systems specifically does not warrant any product or hardware which has been incorrectly installed, exposed to excessive loads, abused, or was not manufactured by Case Systems, Inc. Bostontec, Inc. products (such as Height-Adjustable Tables) are covered under a separate warranty.

To enforce your rights under this warranty, you must give written notice to Case Systems within thirty (30) days of the date of discovery of the defect. The address of Case Systems for receipt of notices is as follows:

Case Systems, Inc.
2700 James Savage
Midland, Michigan 48642
(989) 496-9927 (FAX)

IN NO EVENT SHALL CASE SYSTEMS BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM THE USE, INSTALLATION, PERFORMANCE OR FAILURE OF ITS PRODUCTS OR OF ANY OF THE HARDWARE CONTAINED IN OR ON ITS PRODUCTS.
THIS EXPRESS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES OF CASE SYSTEMS WITH RESPECT TO THE REPLACEMENT AND/OR REPAIR OF ANY CASEWORK OR HARDWARE.

ALL WARRANTIES IMPLIED BY LAW, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY WAIVED AND DISCLAIMED.

SCS Global Services does hereby certify that an independent audit has been completed and conformity to the applicable standard(s) has been confirmed for:

Case Systems, Inc.

2700 James Savage Road, Midland, MI 48642, United States

This single site certificate covers the manufacturing of plastic laminate casework and countertops using the percentage system.

The facility(s) are hereby Chain of Custody certified to sell products as:

FSC Mix

The assessment has been conducted by SCS Global Services in accordance with the protocols of the Forest Stewardship Council® A.C. (FSC®).

FSC Standard: FSC-STD-40-004 V3-0; FSC-STD-50-001 V2-0

Certificate Code: SCS-COC-002050 Trademark License Code: FSC-C004892

Valid from: 20 May 2019 Expiry date: 19 May 2024

FSC
www.fsc.org
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The mark of responsible forestry

RESPONSIBLE FORESTRY CERTIFIED SCS GLOBAL SERVICES

SCSglobal SERVICES

Sarah Harris, Managing Director
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

Printed: 7 May, 2019

AWI ARCHITECTURAL WOODWORK INSTITUTE

2023 Membership

Case Systems

IS A MEMBER IN GOOD STANDING IN THE ARCHITECTURAL WOODWORK INSTITUTE (AWI).
ALL AWI MEMBERS SHALL AGREE TO HONOR AND ABIDE BY THE CURRENT PLEDGE OF ETHICS.

AWI PLEDGE OF ETHICS

- WE SUPPORT THE ARCHITECTURAL WOODWORK INDUSTRY AND AWI;
- WE AGREE TO ABIDE BY THE AWI BYLAWS AND POLICIES AND THE AWI STANDARDS, CURRENT EDITION; AND
- WE WILL CONDUCT OURSELVES TO REFLECT CREDIT ON OUR INDUSTRY, INSTITUTE, AND MEMBERSHIP.

Membership Type: Manufacturer
Member Since: 9/5/1996
Membership Through: 12/31/2023

Dustin Giffin
2023 AWI Chair

Doug Hague
CEO

Architectural Woodwork Institute | 46179 Westlake Drive, Suite 120 Potomac Falls, VA 20165 | Phone 571.323.3636 | Fax 571.323.3630 | www.awinet.org

2023

AWI ARCHITECTURAL WOODWORK INSTITUTE
QUALITY CERTIFICATION PROGRAM

46179 Westlake Drive, Suite 120
Potomac Falls, Virginia 20165
Phone (855) 345-0991
awiqcp.org

LICENSE

THIS IS TO CERTIFY THAT:

CASE SYSTEMS

2700 James Savage Road Midland, MI 48642 United States

IS DULY LICENSED AND ENTITLED TO LABEL FOR COMPLIANCE UNTIL DECEMBER 31, 2023, WHEN THIS LICENSE EXPIRES.

QUALITY STANDARDS GRADE:

LICENSE SCOPE: PREMIUM

P10.3, P11.1, P11.2, P11.3, P11.4, P11.5

NUMBER: 213

WITNESS OUR HAND AND SEAL OF THE ASSOCIATION DATED, POTOMAC FALLS, VIRGINIA, THIS FIRST DAY OF JANUARY, 2023. THIS LICENSE IS NON-TRANSFERABLE.

THIS CERTIFICATE IS NON-TRANSFERABLE.
IT IS NOT VALID FOR PROJECT CERTIFICATION

Greg Parham
Vice President of Compliance

THIS LICENSE IS NON-TRANSFERABLE. IT IS NOT VALID FOR PROJECT CERTIFICATION. 751L509-C

NOTE: Several items are in bold that show options that are available. These and other choices will be selected based on the specific project specifications.

CASE SYSTEMS

Design Your Work

PART 1 – GENERAL

1.1 SUMMARY

A. Related Documents:
   1. Drawings and provisions of the contract including General Conditions Supplementary Conditions and Division 1, apply to this section.

B. Section Includes:
   1. Furnish and install plastic laminate casework and accessories as shown and listed on drawings and specified herein. Includes all countertops, sink cutouts, splashes, supports, shelving, and filler panels necessary for a complete casework installation.

C. Related Requirements to be Performed by Others:
   1. Division 06 Section: “Rough Carpentry” for blocking within walls to adequately support casework.
   2. Division 06 Section: “Finish Carpentry”/Millwork.
   3. Division 07 Section: “Preformed Joint Seals” for caulking of casework and/or countertops to abutting walls.
   4. Division 08 Section: “Finish Hardware” for cabinet locks keyed or master keyed to building locks.
   5. Division 09 Section: “Resilient Base and Accessories” for resilient base applied to manufactured casework.
   6. Division 22 Section: “Plumbing” for furnishing, installation, and hook-up of sinks, fixtures, outlets, strainers, tailpieces, traps, vacuum breakers, and stops shall be performed by the plumbing contractor to state and local codes. In all cases, sink cutouts shall be by the casework contractor.
   7. Division 23 Section: “Heating, Ventilating, and Air-Conditioning” for furnishings, installation, and final connections of all ductwork to range hoods and spray booths shall be by the HVAC contractor.
   8. Division 26 Section: “Electrical” for the electrical contractor to state and local codes shall perform electrical furnishing, installation, and final connections of wiring, conduit, and/or electrical items within casework.

1.2 REFERENCES

A. ANSI-A135: for all hardboard.
B. ANSI-A161.2-1998: for performance of fabricated high-pressure decorative laminate countertops.
C. ANSI-A208.1-2009: for grade M-3 mat-formed wood particleboard.
D. BHMA A156.9: for grade-1 hinge requirements.
E. NEMA 3 LD-2005: for performance requirements of high pressure laminates.
F. SEFA 8PL Recommended Practices: for cabinet construction.

1.3 DEFINITIONS

A. Exposed:

1. In casework, surfaces visible when drawers and opaque doors (if any) are closed; behind clear glass doors; bottoms of cabinets 42" or more above finished floor; and tops of cabinets less than 78" above finished floor.

B. Semi-Exposed:
1. In casework, surfaces that become visible when opaque doors are open or drawers are extended; bottoms of cabinets more than 30" or tops of cabinets less than 42" above finished floor.

1.4 SUBMITTALS

A. Shop Drawings:
1. Comply with Division 1.
2. Include catalog numbers and specifications of Case Systems, Midland, Michigan.
3. Submit three sets of laser quality, 11 x 17 shop drawings consisting of:
   a. Finish, hardware, construction options selection sheet.
   b. Small scale floor plan showing casework in relation to the building.
   c. Large scale elevations and plan views.
   d. Cross-sections; service runs; locations of blocking within walls (blocking is done by others); rough-in requirements and, sink centerlines
4. Approved shop drawings to be returned to manufacturer at least 60 days before production.
5. Project Architect and Construction Manager must approve all items prior to fabrication and delivery of casework.
6. Manufacturer and/or Manufacturer's rep verifies all critical building dimensions prior to fabrication.

B. Samples:
1. Submit one set of laminate color brochures from standard laminate manufacturers Wilsonart, Formica, Pionite, and Nevamar.
2. Submit one edge color sample chain.
3. Submit one set of interior colors samples.
4. Submit catalog showing construction details, material specifications and hardware specifications of all items used.

C. LEED Submittals:
1. Provide EPP certificates of core for Credit MR 4.1 and **[MR 4.2]**: for casework core having recycled content.
2. Provide FSC certificate for Credit MR 7: for products having chain-of-custody certificate certifying that the wood used in the casework complies with FSC requirements.
3. Provide product data for IEQ 4.4: for casework core being manufactured without the use of urea formaldehyde.

D. Warranty:
1. Provide sample warranty document stating specified terms as referenced in 1.8.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Must be certified for chain of custody by a third party certification group approved by FSC.

B. Unless otherwise indicated, comply with AWI, for grades of interior architectural woodwork, construction, finishes and other requirements:
   1. Provide AWI Quality Certification Program [Labels] [Certificates] indicating that the woodwork, [including installation], complies with requirements of grades specified. This project has been registered as AWI/QCP project number _____. OR, Case Systems, upon award of work, shall register the work under this section with the AWI Quality Certification Program (800-449-8811).

C. Manufacturer to provide SEFA 8 laboratory furniture certificate of performance on construction method. **{When SEFA 8 is a requirement, [Standard: Particleboard] must be specified}.**

1.6 DELIVERY, STORAGE, AND HANDLING

A. Delivery and Acceptance Requirements:
   1. Deliver casework once painting, and similar requirements have been completed that will not damage casework. This includes ensuring spaces are enclosed and weather tight.
   2. All casework shall be blanket wrapped for protection during shipping.

B. Storage and Handling:
   1. Casework must be protected from dust, dirt and/or other trades.
   2. Countertops are stacked, properly supported and spaced evenly to avoid warping. Large pieces are stacked first on the pallets with shorter pieces stacked on top.

1.7 SITE CONDITIONS

A. Ambient Conditions:
   1. Do not deliver or install the casework until concrete, masonry, and drywall/plaster work is dry; ambient relative humidity is maintained between 25 – 55% prior to delivery and throughout the life of installation; and the temperature is controlled above 55°F.
   2. Casework shall not be stored or installed in non-climate controlled conditions.
   3. If ambient conditions are not met at the time of requested delivery, the general contractor or owner must provide Case Systems a letter releasing manufacturer from any liability and responsibility from any warranty or damage resulting from not complying with required ambient conditions.

1.8 WARRANTY

A. Case Systems shall offer a **[One-Year]** or **[Three-Year]** or **[Five-Year]** or **[Limited Lifetime]** warranty to the original owner against defective material and workmanship.
   1. The warranty specifically does not cover any product or hardware, which has been incorrectly installed, including poor climate conditions, exposed to excessive loads or abuse.

2. All non-casework items supplied, but not manufactured at Case Systems including, but not limited to sinks, fixtures, apparatus, fume hoods, keyboard trays, spray booths, lights, power outlets, and power strips shall be covered under the original manufacturers' warranty.

PART 2– PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design Product: **Case Systems**, 2700 James Savage Road, Midland, Michigan 48642 (989) 496-9510 and/or approved dealers.

B. Substitution Limitations:

1. Substitutions will be considered only when other manufacturers submit substitution requests in accordance with procurement substitution and/or substitution procedures, or provide a comparable product with the following support information detailed below:
   a. Written documentation stating specification compliance regarding construction, materials, and standard of quality and manufacturing techniques.
   b. Note all deviations to the drawings and/or specifications in writing.
   c. Provide the Architect with a full-scale base cabinet not less than ten days prior to bid date. The sample shall represent typical construction and materials for the product the casework manufacturer proposes, meeting the quality standards set forth by this specification. The sample may be impounded by the owner and retained until completion of the casework installation.
   d. The owner, or its designated representative, reserves the right to reject any proposal that in his opinion fails to meet the criteria established by this specification. Such a decision shall be final.

2.2 MATERIALS

A. Provide Plastic Laminate Faced Cabinets Manufactured with:

1. Particleboard Core:
   a. All particleboard shall be Grade M-3 and shall meet or exceed all requirements as set by ANSI A208.1-2009.

Density	40-50 lbs/cu.ft
Moisture Content	10% Max
Modulus of Rupture	2393 psi
Modulus of Elasticity	398,900 psi
Internal Bond	80 psi
Hardness	500 pounds Min
Linear Expansion	0.35%
Thickness Tolerance	+/- 0.008"
Face Screw Holding	247 pounds Min

2. MR (Moisture Resistant)/FSC Core shall be:
   a. Interior-Grade moisture resistant particleboard.
   b. Meet or exceed M-3 Grade, according ANSI-A208.1-2009.
3. Low Emitting Core shall be:

a. NAUF/FSC (No added Urea Formaldehyde) M-2 Particleboard:
   i. For casework core having recycled content.
   ii. For casework core being manufactured without the use of urea formaldehyde.
   iii. For products having chain-of-custody certificates certifying that the wood used in the casework complies with FSC requirements.
b. NAUF/FSC (No added Urea Formaldehyde) Plywood:
   i. Plywood that meets or exceeds the standards set forth by the APA for structural use panels.
   ii. For casework core being manufactured without the use of urea formaldehyde.
   iii. For products having chain-of-custody certificates certifying that the wood used in the casework complies with FSC requirements.
c. FSC M-3 Particleboard:
   i. For products having chain-of-custody certificates certifying that the wood used in the casework complies with FSC requirements.
d. FSC Plywood:
   i. For products having chain-of-custody certificates certifying that the wood used in the casework complies with FSC requirements.

B. Joinery:
1. Mechanical Joinery:
   a. All cabinet body components shall be secured utilizing concealed interlocking mechanical fasteners as approved by the AWI Quality Standards 8th Edition - 2003 Sections 400A-T-12, 400B-T10 and 1600-T-11.

C. Surface Material:
1. Acceptable laminate color, pattern, and finish as either scheduled or otherwise indicated on drawings or as selected by Architect from manufacturer's standards types and nominal thickness including:
   a. Vertical surface decorative grade VGS: .028" thick
   b. General purpose decorative grade HGS: .048" thick
   c. Cabinet decorative liner grade CLS: .020" thick
   d. Non-decorative backer grade BKH: .028" thick
   e. Thermally fused melamine laminate
   f. Chemical resistant decorative laminate

D. Edge banding:
1. PVC
   a. Shall be applied utilizing hot melt adhesive and radiused by automatic trimmers. Edging shall be available in a variety of color options.

E. Adhesives:
1. PVA
   a. Adhesive shall be mechanically applied.
   b. NAUF, no VOC
2. EVA
   a. Adhesive shall be mechanically applied.

F. Protective coating option:

1. All surfaces, including: pulls, hinges, countertops and edge banding be coated with OEM-treated, quat-silane antimicrobial AEM 5772 from AEGIS Environments.

2.3 FABRICATION

A. General Cabinet Body Construction:
   1. Cabinet Box Style shall be **[Standard: Reveal Overlay]** or **[Flush Inset Fronts]**.
   2. Cabinet Box Core shall be **[Standard: Particleboard]** or **[NAUF/FSC Plywood]** or **[MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[FSC Particleboard]** or **[FSC Plywood]**. **{When SEFA 8 is a requirement, [Standard: Particleboard] must be specified for complete cabinet construction}.**
   3. Bottoms and ends of cabinets, and tops of tall cabinets and tops and bottoms of wall cabinets (all structural components) shall be 3/4" thick.
   4. All panels shall be manufactured with balanced construction.
   5. Fixed interior components such as fixed shelves, dividers, and cubicle compartments shall be full 3/4" thick and attached with concealed interlocking mechanical fasteners.
   6. Cabinet body exterior surfaces shall be: **[Standard: VGS]** or **[Thermally Fused]** or **[Decorative Thermally Fused]** or **[HGS]** or **[Chemical Resistant Laminate]**.
   7. Cabinet finished interior options shall be: **[Standard: None]** or **[Finished at All]** or **[Finished Where Noted]** or **[Finished At Opens]**.
   8. Cabinet body interior surfaces shall be: **[Standard: Thermally Fused]** or **[Decorative Thermally Fused]** or **[Cabinet Liner Grade CLS]** or **[VGS]** or **[HGS]** or **[Chemical Resistant Laminate]**.
   9. Cabinet body front edge shall be: **[Standard: .020" PVC]** or **[3mm PVC]** or **[.020" ABS]** or **[3mm ABS]** or **[Self Edge]**.
   10. Mounting stretchers are 3/4" thick structural components fastened to end panels and back by mechanical fasteners, and are concealed by the cabinet back.
   11. When the rear of a cabinet is exposed, a separate finished 3/4" thick decorative laminate back panel may be specified.
   12. Backs of cabinets are 1/2" thick surfaced both sides for balanced construction and fully captured on both sides and bottom.
   13. A 5mm diameter row hole pattern 32mm (1-1/4") on center shall be bored in cabinet ends for adjustable shelves. This row hole pattern shall also serve for hardware mounting and replacement and/or relocation of cabinet components.
   14. An upper 3/4" thick stretcher shall be located behind the back panel and attached between the end panels with mechanical fasteners. This stretcher is also fastened to the full sub-top thus capturing the back panel.
   15. **[Protective coating option: All surfaces, including: pulls, hinges, countertops and edge banding be coated with OEM-treated, quat-silane antimicrobial AEM 5772 from AEGIS Environments.]**

B. Base Cabinet Construction:
   1. All base cabinets, except sink cabinets, shall have a solid 3/4" thick sub-top of core (as specified above), fastened between the ends with interlocking mechanical fasteners.
   2. Sink cabinets with a split removable back panel shall have a formed metal front brace, and steel corner gussets shall be utilized to support and securely fasten top in all four corners. Front brace shall be powder coated black.

C. Tall Cabinet Construction:
   1. All tall cabinets shall be provided with an intermediate fixed shelf to maintain internal dimensional stability under heavy loading conditions as well as an intermediate 3/4" thick stretcher located behind the back panel and be secured between the cabinet ends with mechanical fasteners. The stretcher shall be secured to the shelf through the back with #8 x 2" plated flat head screws.

D. Wall Cabinet Construction:
   1. All wall cabinet bottoms shall be ¾-" thick core (type specified above), mechanically fastened between end panels and secured to the bottom back stretcher. A lower 3/4" thick stretcher shall be located behind the back panel and attached between the end panels with mechanical fasteners. The stretcher is also secured through the back and into the cabinet bottom.
   2. All wall cabinet exterior bottoms shall be: **[Standard: Match Standard Interior]** or **[Match Exterior Surface]**.
   3. All wall cabinet tops shall be ¾" thick.

E. Tall and Wall Cabinet Top Edges shall be: **[Standard: Raw]** or **[.020" PVC at Top of End Panels, Stretchers & Back]** or **[.020" PVC at Top of End Panels]**.

F. Tall, Wall and Hutch Tops shall be: **[CLS to Match Standard Interior]** or **[HPL to Match Exterior Surface]** or **[Material Match Standard Interior]**.

G. Tall, Wall and Hutch Upper Door Reveal shall be: **[Standard: 15mm Reveal]** or **[3mm (1/8") Reveal]**.

H. Toe Base of Cabinet:
   1. Individual bases shall be constructed of: **[Standard: Particleboard]** or **[MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[FSC Particleboard]** or **[NAUF/FSC Plywood]** or **[Pressure Treated Plywood]** or **[Raw Exterior Glue Plywood] or [FSC Pressure Treated Plywood]** or **[FSC Raw Exterior Glue Plywood]** factory applied to base and tall cabinets and shall support and carry the load of the end panels, and the cabinet bottom, directly to the floor. The base shall be let in from the sides and back of the cabinet to allow cabinets to be installed tightly together and tight against a wall, also to conceal the top edge of applied vinyl base molding (not supplied by casework manufacturer). There shall be a front to back center support for all bases over 30" wide.
   2. Toe Base Height **[Standard: 96mm]** or **[102mm]** or **[152mm]** or **[Other: As Specified]**.
   3. Toe Base Options **[Standard: Attached]** or **[3/4" Raw Loose Base Strips]** or **[No Base]**.

I. Drawer Fronts and Solid Doors:
   1. All drawer fronts and solid door components shall be: **[Standard: Particleboard]** or **[NAUF/FSC Plywood]** or **[MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[FSC Particleboard]** or **[FSC Plywood]** surfaced both sides for balanced construction.
   2. Options shall be: **[Standard: HPL Door and Drawer Front Exterior and Grade CLS on Interior]** or **[HPL Door Interior and Exterior (both sides match front surface color)]** or **[HPL Door Interior and Exterior (inside surface match interior color)]** or **[HPL Door and Drawer Interior and Exterior (both sides match front surface color)]** or **[Corkboard Doors]** or **[True ¾" Core]** or **[Post Form Doors and Drawers]**.

3. Surfaces shall be: **[Standard: HPL Grade VGS]** or **[HPL Grade HGS]** or **[Thermally Fused]** or **[Decorative Thermally Fused]** or **[Chemical Resistant]**.
4. Door and drawer front edge shall be: **[Standard: 3mm PVC]** or **[.020" PVC]** or **[.020" ABS]** or **[3mm ABS]** or **[Self Edge]**.

J. Drawer Boxes:
1. Drawer box constructed with a full 1/2" thick core shall be: **[Standard: Particleboard]** or **[NAUF/FSC Plywood]** or **[MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[FSC Particleboard]** or **[FSC Plywood]** or **[Pre-finished Hardwood Veneer Plywood]** non-racking, non-deflecting platform bottom that is carried directly by "L" shaped, bottom mount drawer glides.
2. Drawer box at finished interiors shall be: **[Standard: Surface to Match Standard Interior]** or **[Surface to Match Finished Interior]** or **[Hardwood Veneer Plywood]** or **[Cabinet Liner Surface to Match Standard Interior]**.
3. **[Standard: Slides are secured with 1-1/4" long screws driven through the platform and into the sides. Drawer box sides, backs, sub-front, and bottom shall be 1/2". The top edge shall be nominal 1mm (.020") PVC matching the drawer color. Drawer box corners shall be joined with fluted hardwood dowels and glue spaced at a minimum of 32mm on center. Drawer box fronts shall be removable and attached to drawer box sub-front with screws from inside of drawer. Horizontal parting rails between drawers shall be 3/4" thick core, with balanced surfaces, secured to and further reinforcing cabinet ends. File drawer box shall have full-height sides supporting a heavy-duty support rail for hanging file folders]** or **[Full-height sides and back on all drawer boxes]** or **[Pre-finished dovetail drawer boxes – if selecting this drawer box construction, drawer box core must be pre-finished hardwood veneer plywood]**.

K. Doors:
1. Solid Doors shall be: **[Standard: ¾" thick core]** or **[1" thick core]**.
2. Glazed Doors, Framed shall be:
   a. Hinged or sliding 3/4" thick, framed doors shall be: **[None]** or **[Standard: Clear Acrylic Panels]** or **[Safety Glass Panels]** or **[Smoked Safety Glass Panels]** or **[Tempered Glass Panels]** or **[Smoked Tempered Glass Panels].** Panels must be a minimum of ¼" thick. Glazing panel shall be set into the doorframe without the use of a separate molding. Glazing shall be held in place with removable stops.
3. Glazed Doors, Frameless shall be:
   a. Sliding, minimum of 1/4" thick tempered glass panels. All edges to be radius ground and polished.
4. Sliding Doors shall be:
   a. Extruded aluminum upper track with anodized finish. All tall cabinets shall receive two hanging brackets per door with two rollers per bracket. All other cabinets shall receive two hanging brackets per door with one roller per bracket. The bottom of door shall be captured in a retainer to prevent doors from swinging in or out.
5. Pocket Doors shall be:
   a. Zinc plated, self-closing, three-way adjustable geometric door hinge with precision steel ball bearing slides.
6. Grille Doors shall be:

a. Powder coated platinum finish, grille doors where shown or noted with model number shall have individual lock hasps and number plates.

b. Single wide grille doors where shown or noted shall have individual, zinc plated stay-close wire door latches. The wire door latch is a robust, door/side-mounted design made of 13-gauge cold rolled steel. A self-latching lever smoothly travels over the hasp and falls into a positive latched, stay-close position. For security, the door can be locked with a padlock. This option is not available on cabinets with double door configurations.

L. Shelves:

1. Adjustable:

a. Adjustable shelves shall be: **[Standard: Particleboard]** or **[NAUF/FSC Plywood]** or **[MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[FSC Particleboard]** or **[FSC Plywood]** core, with balanced surfaces.

b. Adjustable shelves in closed cabinets shall be: **[Standard: ¾" Shelves, 1" for Shelves Over 36" Wide and Open Cabinets]** or **[¾" Shelves, 1" for Shelves Over 33" Wide]** or **[¾" Shelves, 1" for Shelves Over 30" Wide]** or **[¾" Shelves, 1" for Shelves Over 27" Wide]** or **[¾" Shelves, 1" for Shelves Over 24" Wide]** or **[1" for All Shelves]**.

c. All adjustable shelves in open cabinets shall be: 1" thick, except for special use cabinets such as mail, cubical, instrument or locker type units.

d. Adjustable shelf edge on open cabinets shall be: **[Standard: .020" Match Edge at Front]** or **[.020" PVC at Front Edge]** or **[.020" PVC at Front and Back Edges]** or **[.020" PVC on All Four Edges]** or **[3mm PVC on Front Edge]** or **[3mm on Front and Back Edges]** or **[3mm on Front and Back Edges, .020" on Sides]** or **[3mm on Front, .020" on Back and Sides]** or **[3mm on All Four Edges]** or **[Self Edge]**.

e. Adjustable shelf edge on closed cabinets shall be: **[Standard: .020" Match Edge at Front]** or **[.020" PVC at Front Edge]** or **[.020" PVC at Front and Back Edges]** or **[.020" PVC on All Four Edges]** or **[3mm PVC on Front Edge]** or **[3mm on Front and Back Edges]** or **[3mm on Front and Back Edges, .020" on Sides]** or **[3mm on Front, .020" on Back and Sides]** or **[3mm on All Four Edges]** or **[Self Edge]**.

f. Adjustable shelf shall be set back **[Standard: 15mm from the front]** or **[23mm setback option when locks are used**].

2. Fixed:

a. Fixed shelves shall be: **[Standard: Particleboard]** or **[NAUF/FSC Plywood]** or **[MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[FSC Particleboard]** or **[FSC Plywood]**.

b. Fixed shelves shall be: **[Standard: ¾" Shelves, 1" at Opens]** or **[¾" Shelves, 1" for Shelves Over 36" Wide and Open Cabinets]** or **[¾" Shelves, 1" for Shelves Over 33" Wide]** or **[¾" Shelves, 1" for Shelves Over 30" Wide]** or **[¾" Shelves, 1" for Shelves Over 27" Wide]** or **[¾" Shelves, 1" for Shelves Over 24" Wide]** or **[1" for All Shelves]**.

c. Fixed shelf surfaces on closed cabinets shall be: **[Standard: Match Interior Selections]** or **[Grade CLS on Both Sides]** or **[VGS HPL on Both Sides]** or **[HGS on Both Sides]** or **[Chemical Resistant Laminate]**.

d. Fixed shelf surfaces on open cabinets shall be: **[Standard: Match Interior Selections]** or **[Grade CLS on Both Sides]** or **[VGS on Both Sides]** or **[HGS on Both Sides]** or **[Chemical Resistant Laminate]**.

3. Wall shelving selections for model numbers R204, R205, R206 only shall be:
   a. **[Standard: .020" PVC]** or **[3mm PVC]** or **[.020" ABS]** or **[3mm ABS]** or **[Self Edge]**.
   b. **[Standard: Particleboard]** or **[NAUF/FSC Plywood]** or **[MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[FSC Particleboard]** or **[FSC Plywood]**.
   c. **[Standard: Thermally Fused]** or **[Decorative Thermally Fused]** or **[Grade VGS]** or **[Grade HGS]** or **[Chemical Resistant Laminate]**.
4. Wire Shelves shall be white, plastic coated.
5. Hardboard Shelves shall be ¼" thick tempered hardboard. All hardboard shall have a "S2S" surface finish.

M. Specialty Products:
1. Rail Mounted Cabinets:
   a. Wall mounted continuous support rail and cabinet mounted interface hooks shall be an anodized finished extruded aluminum.
   b. Wall mount support shall come factory pre-drilled 8" on center for mounting to 16" or 24" on center studs and in-wall blocking. Blocking is required per manufacturers' recommendations and is supplied and installed by other specified trade.
   c. Cabinet interface hooks shall be pre-mounted at the factory with deep thread 7mm x 70mm specialty screws. Screws shall not be visible in cabinet interior. Hook styles shall be available for single, and triple height adjustment based on the cabinet model number.
   d. Cabinet lower leveling bar shall be adjustable from cabinet interior and shall allow for plus or minus 3/8" plumb adjustment without additional materials.
   e. Recommended maximum load capacity for base cabinets with a 1-1/8" standard laminate countertop, wall cabinets and tall cabinets shall be 100 lbs per linear foot.
   f. Rail mounted casework shall be vertically (dependent on model #) and horizontally adjustable.
   g. Core material only available in grade M3 particleboard core.
   h. **[Optional Leg Supports shall be Available to Accommodate Heavier Loads for Tall and Base Rail Cabinets]**.
2. Music Cabinets:
   a. Shelves:
      i. Core shall be: **[Standard: Particleboard]** or **[Plywood]** or **[MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[NAUF/FSC Plywood]** or **[FSC Particleboard]** or **[FSC Plywood]**.
      ii. Surface shall be: **[Heavy-Duty Shelves shall be core (specified above) with tempered hardboard top and bottom sandwich type construction. Front edge of shelves and cabinet end panels shall be: high impact radiuses 3mm PVC]** or **[Top Surface Thermoplastic Shelves shall be core (specified above) heavy-duty continuous thermoplastic, permanently bonded to core and tight fitting to cabinet back and end panels. Front edge of shelves and cabinet**

end panels shall be high impact radiused 3mm PVC] or **[“Caseliner™” Shelf shall be melamine faced, charcoal grey and ¾" thick core (specified above). Shelf top shall have drainage grooves running from back to front with a radiused top front edge. Top surface of shelf and front shall be coated with a Polyurethane/Polyurea Elastomer coating to provide superior impact resistance and to allow top and front surface of shelf to be waterproof]**.

b. Doors:

i. **[Grille doors shall have individual lock hasps, number plates and be powder coated with a platinum finish]** or **[Grille doors where shown or noted shall have individual stay-close wire door latches. This wire door latch is a robust, door/side-mounted design made of 13-gauge cold rolled steel in a zinc finish. A self-latching lever smoothly travels over the hasp and falls into a positive latched, stay-close position. For security, the door can be locked with a padlock. This option is not available on cabinets with double door configurations]** or **[Grille doors shall be powder coated with a platinum finish and shall be attached to cabinet end panels by means of thru bolting]**.

ii. ¾" thick Solid Core Door shall be: **[Standard: Particleboard]** or **[Plywood]** or **[MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[NAUF/FSC Plywood]** or **[FSC Particleboard]** or **[FSC Plywood]**, with HPL front and CLS liner back used for balanced construction. Doors shall be provided with individual lock hasps.

- **[Optional: Sliding latch on Solid Core Door Only]**.

c. Instrument Cabinet Interior Surface shall be: **[Standard: Match Standard Interior]** or **[Match Finished Interior]**.

3. Mobiles:

a. Mobile top shall have 3mm edging and shall have an overhang at front, sides and rear to act as a bumper. Mobile top shall be available in a variety of colors. Mobile unit shall be constructed of a 3/4" thick core, as specified, and platform with 3mm edging. Sides, back and casters will be securely fastened using mechanical fasteners.

b. Mobile units shall be available with either 4" or 6" nominal height casters.

c. Mobile back shall be 1" thick specified core.

d. Mobile unit shall have a maximum load rating of 500 pounds.

e. Mobiles will have a ¾" thick finished top with material as specified below.

i. **[Standard: VGS laminate]** or **[No Top]** or **[HGS laminate]** or **[Chemical Resistant Laminate]**.

4. Sloped Tops shall be a separate unit from the cabinet and set at a 30° angle.

5. Locker construction shall match general casework section with the exception that all fixed shelves are ¾" thick.

a. Locker top finish shall be: **[Standard: Unfinished]** or **[Finished Edge and Surface]**.

6. Octaped Science Island:

a. Main unit comprising of eight equal 30" dimension work areas with 19" of knee clearance depth under each work area.

i. Unit available in nominal work surface heights of 30, 34 & 36".
ii. Nominal top size of 72" x 72" with a steel 1" x 2" – 14-gauge tube frame support under-structure.
iii. Nominal pedestal size of 34" x 34". Unit constructed using (8) 11 gauge support columns tied to the top structure and base via thru-bolt construction. Pedestal to be covered with ¾" thick laminate panels on all sides with two of the panels being removable for service access. Corner intersections of panels to be joined and covered with plastic corner guards.
iv. Base structure constructed from 1-1/8" thick particleboard with steel angle brackets for floor attachment.

b. Riser unit comprising of eight equal sides and mounts to top of work surface to provide locations for electrical and gas services.
i. Nominal riser size of 7" high x 25" x 25".
ii. Unit constructed using ¾" thick laminate panels on all sides. Corner intersections of panels to be joined and covered with plastic corner guards to match pedestal unit.

c. Bridge units comprising of a connector unit available in three heights that joins two main units together and allows for the addition of a sink unit in the center.
i. Heights for the bridge section are 5" for ADA compliance, 17" to allow clear floor space under the unit, and a full height version running from work surface to floor.
ii. Options for single and double sink bowls are available.
iii. Bridge constructed using ¾" thick laminate panels and a 1" x 2" –14 gauge steel tube frame. The steel frame is bolted to the main unit top steel frame at both ends. Corner treatment of the laminate panel intersections to match the plastic corner guards used on the main unit and riser. One side of the bridge section to be removable from the outside for service access.
iv. Bridge options also include top work surface heights to match the main unit, rise up 2.5" from the main unit and drop down 2.5" from the main unit. This allows varying heights of main units and bridge sections.

7. Library Furniture shall be:
a. Fully modular and moveable construction.
b. All uprights and shelves shall be: 1" thick components.
c. Laminated shelves shall have 3mm PVC radiused edges.
d. Hinges shall be: 3-knuckle.
e. Drawer boxes shall be: non-racking, non-deflecting platform drawer box with ½" thick bottoms.
f. ½" thick inset and finished backs.
g. Thermally Fused laminate, which exceeds ANSI/NEMA LD3- 2005 for GP-28 performance.
h. 1" thick work surfaces with high-pressure finish.
i. Materials:
i. Finish of surfaces:

- All interior and exterior surfaces shall be: laminated with **[Standard: Decorative Thermally Fused Melamine]** or **[All VGS]** which meets the performance standards of ANSI/NEMA LD3-2005 for GP-28. All panels shall be balanced construction.

ii. Edges:
- All leading edges shall be 3mm PVC. The PVC shall be machine applied utilizing hot melt adhesive and radiused by automatic trimmers. All four-end panel edges shall be edged for true modularity.
- Other edges utilizing PVC shall be machine applied with EVA adhesive and .020" PVC.

j. Construction:
i. All bookshelves shall be of starter/adder design. Units shall be easily assembled and disassembled for ease of modularity. All bookshelves shall be constructed with finished backs and end panels for use as free standing or wall mounted. Modular construction shall allow Owner to move or reuse for either location.
ii. Bookshelf body panels to be assembled using thru-bolt design.
iii. All bookshelf end panels shall be 1" thick. All work surfaces shall be 1" thick.
iv. All back panels shall be ½" thick particleboard, finished both sides.
v. Shelves shall be adjustable 32mm (1-¼") on center utilizing nickel plated shelf clips or optional anti-tilt, twin pin locking clips.
vi. Shelving shall not deflect in excess of ¼", when loaded at 40 lbs/sq. ft., maintaining a maximum cabinet width of 36".
vii. Drawer boxes shall be constructed with full ½" thick non-racking, non-deflecting platform bottom which is carried directly by "L" shaped, self closing, bottom mounted drawer glides with life time warranty by the slide manufacturer.
viii. Table frames shall be furniture construction type with solid oak legs with adjustable feet.
ix. Circulation desk shall be fully modular for owner's ease of re-design.
x. All library shelving units shall ship knockdown.

8. Countertops:
a. High-pressure decorative laminate, nominal **[1-1/8" thick solid core]** or **[1" thick solid core]** or **[3/4" thick solid core]** or **[1-1/2" thick buildup**], conforming to NEMA Standard LD3-2005 and ANSI A161.2-1998.
i. General Purpose **[Standard: HGS]** or **[Chemical Resistant Laminate]** on horizontal surface.
ii. Laminate bonded to M-2 **[Standard: Particleboard]** or **[NAUF Plywood] [MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[FSC Particleboard]** or **[FSC Plywood]** core with PVA rigid adhesives. Core shall be balanced with backing Grade BKL.
iii. All joints shall be secured with biscuts for alignment and tight joint fasteners.

iv. Provide 4" high back splashes with thickness matching countertop thickness where shown and at all ends abutting walls and adjacent cabinets.
v. Provide edges **[Standard: 3mm]** or **[Self edge of the same material as top]**.
vi. The maximum lengths of HPL buildup particleboard tops is 12' and the maximum lengths of HPL buildup plywood tops is 8'.

b. Epoxy Resin:
i. Top shall be 1" thick with 1/32" chamfer on finished Epoxy edges and shall be provided with drip grooves on under side of finished top at exposed edges.

c. Phenolic Resin:
i. Shall be: **[¾"]** or **[1"]** thickness with 1/8" radius edge and drip groove on underside of top.
ii. Shall be made of thermosetting resins, homogeneously reinforced with wood based fibers, manufactured under high heat and high pressure.
iii. Non-porous, water resistant with anti-microbial properties without the use of coatings or additives.

d. Post Form:
i. Top shall be 1-1/2" ((2) ¾" thick build up) thick M-2 engineered board core.
ii. Tops shall be: **[25"]** or **[30"]** or **[36"]** depths with waterfall front edge.
iii. **[Optional: "ESD" solid 1-1/8" core tops shall be made available (1-1/4" finished thickness)]**.
iv. The maximum lengths of post formed HPL buildup particleboard tops is 12' and the maximum lengths of post formed HPL buildup plywood tops is 8'.
v. Countertops shall conform to ANSI A161.2-1998 and AWI-400C performance for fabricated high-pressure decorative laminate countertops.

2.4 FINISHES

A. Plastic Laminate Casework Colors:
1. High Pressure Laminate is available in non-premium, non-specialty and manufacturers' standard suede finishes from our select laminate manufacturers, including:
a. **[Standard: Wilsonart® in a "60" or "38" matte finish]** and **[Standard: Nevamar® in a "T" textured finish]** and **[Standard: Formica in a "58" finish]** and **[Standard: Pionite in an "N" finish]**.
b. Color: Specialty and other manufacturer finishes are available with additional cost and longer lead times.
2. Thermally Fused Melamine Laminate that meets performance requirements of ANSI/NEMA 3 LD – 2005 for GP-28.
a. **[Standard: Natural Almond (Wilsonart D30)]** or **[Standard: Fashion Grey (Wilsonart D381)]** or **[Standard: Frosty White (Wilsonart 1573)]**.

3. Thermally Fused Melamine Decorative Laminate available, but will result in additional cost when used for casework.
    a. **[Fusion Maple (Wilsonart 7909)]** or **[Wild Cherry (Wilsonart 7054)]** or **[Golden Oak (Wilsonart 7888)]**.
4. Cabinet Liner .020" thick, high-pressure cabinet liner conforming to ANSI/NEMA 3 LD – 2005, Grade CLS. Surface texture shall be similar to exterior finish. Color shall match interior.
    a. **[Standard: Almond]** or **[Standard: Grey]** or **[Standard: White]**.

B. Music Shelves:
1. Heavy-Duty Shelves:
    a. **[Select an edge from our 48 standard colors]**.
2. Thermoplastic Shelves:
    a. Select a top surface standard color **[Grey]** or **[White]** or **[Almond]**.
    b. **[Select an edge from our 48 standard colors]**.
3. Caseliner Shelves:
    a. Charcoal grey

C. Octaped Plastic Cover Guards:
1. **[Standard: Grey**] or **[Standard: Black]** or **[Standard: White]** or **[Standard: Almond].**

D. Decorative laminate Library furniture shall feature:
1. Finish of surfaces standard in: **[Fusion Maple (Wilsonart 7909)]** or **[Wild Cherry (Wilsonart 7054)]** or **[Golden Oak (Wilsonart 7888)]**.
2. Edges:
    a. **[Select color from 48 standard color options]**.

E. Plastic Laminate Countertop Colors:
    a. **[Standard: Wilsonart® in a "60" matte finish]** or **[Standard: Nevamar® in a "T" textured finish]** or **[Standard: Formica in a "58" finish]** or **[Standard: Pionite in an "N" finish]**.
    b. Color: Specialty and other manufacturer finishes are available with additional cost and longer lead times.

F. Epoxy Resin Countertops shall be: **[Standard: Black]**.

G. Phenolic Resin Countertop shall be: **[Standard: Black]**.

H. Post Form Countertop shall be: **[Standard: Grey]**.

I. Accessories:
1. Fixtures
    a. All laboratory service fixtures (except fitting inside fume hoods) and safety equipment shall be:
        i. Colored epoxy finish: fixtures shall be furnished with epoxy/polyester hybrid powder coated finish in **[White]** or **[Tan]** or **[Gray]**.
        ii. Polished chrome plated with clear epoxy coating: fixtures shall be furnished with a polished chrome plated finish with clear epoxy coating.
        iii. Satin Chrome Plated with Clear epoxy coating: fixtures shall be furnished with a satin chrome plated finish with clear epoxy coating.
2. Hinges:

a. 5-Knuckle Hinge / Reveal Overlay: Three finishes are available as standard in epoxy powder coat: **[Black]** or **[Almond]** or **[Platinum]** and at an additional charge for **[Brushed Chrome]** or **[Stainless]**.
b. Inset 5-Knuckle Hinge: Three finishes are available as standard in: **[Black]** or **[Almond]** or **[Platinum]**.

3. Pulls:
a. **[Aluminum Wire]**
b. **[96mm Stainless Steel]**
c. Plastic Bow Pull shall be available as standard in: **[Almond]** or **[Greystone]** or **[Slate Grey]** or **[Black]**.
d. Brass Core Wire Pull shall be available as standard in: **[Dull Chrome]** or **[Polished Chrome]** or **[Dull Brass]** or **[Polished Brass]**.
e. Plastic Contour Pulls shall be available as standard in: **[Almond]** or **[Greystone]** or **[Black]**.
f. Epoxy Coated Wire Pulls shall be available as standard in: **[Almond]** or **[Platinum]** or **[Black]**.
g. ABS Semi Recessed Pulls shall be available as standard in: **[Black]** or **[Almond]** or **[Greystone]**.
h. Semi Recessed, Oversized Pulls shall be available as standard in: **[Black]** or **[Almond]** or **[Grey]**.
i. **[Custom Pull: Must Specify Brand and Model Number]**.

J. Glazed Door Trim shall be one of our standard colors: **[Black]** or **[White]** or **[Almond]** or **[Grey]**.
K. Countertop Supports shall be in one of our standard colors: **[Light Grey]** or **[Light Neutral]** or **[Black]** or **[White]**.
L. Round Grommet shall be in one of our standard colors: **[Black]** or **[Almond]** or **[Grey]** or **[White]**.
M. Round Grommets shall be in one of our standard colors: **[Black]** or **[Almond]** or **[Grey]** or **[White]**.

2.5 ACCESSORIES

A. Hardware:
1. Hinges:
a. **[5-Knuckle Hinges / Reveal Overlay: Standard: Hinges shall be: .095" thick steel five-knuckle hospital-tip, institutional Grade (Grade 1 per ANSI/BHMA A156.9) quality with .187" diameter tight pin. Each hinge shall be secured with a minimum of nine No. 8 screws. Hinge shall permit door to swing 270 degrees without binding. Doors less than 48" in height shall have two hinges. Doors over 48" in height shall have three hinges]** or **[Concealed Hinges: Hinges shall be: fully concealed, nickel-plated, self-closing, 170 degree swing European style with six way adjustment. Hinge shall be: a minimum of Grade 2 per ANSI/BHMA A156.9. Hinge shall permit door to swing 170 degrees without binding. Doors under 36" high shall have two hinges; 36"-72" high shall have three hinges; over 72" high shall have four hinges]** or **[3 Knuckle Hinges: Hinges shall be:**

nickel-plated semi-concealed, self-closing, 270-degree swing, 3-knuckle style with four-way adjustment. Hinge shall be: a minimum of Grade 1 per ANSI/BHMA A156.9. Hinge shall permit door to swing 270 degrees without binding. Doors under 36" high shall have two hinges; 36"-72" high shall have three hinges; over 72" high shall have four hinges] or **[Flush Inset 5 Knuckle Hinge: Hinges shall be: .083" thick steel, five-knuckle hospital-tip institutional Grade (Grade 1 per ANSI/BHMA A156.9) quality with .187" diameter tight pin. Each hinge shall be: secured with a minimum of eight No. 8 screws. Hinge shall permit door to swing 270 degrees without binding. Doors less than 48" in height shall have two hinges. Doors over 48" in height shall have three hinges]**.

2. Pulls:
   a. One pull shall be: located at the centerline of the drawer, regardless of width, to ensure ease of operation and maximize drawer slide life.
      i. **[Standard: Plastic bow pull, 10mm diameter with 96mm O.C. mounting holes]** or **[Standard: Anodized aluminum wire pull, 8mm diameter with 96mm O.C. mounting holes]** or **[Standard: Plastic contour pull, surface mounted, 35mm x 116 mm overall size with 96mm O.C. mounting holes]** or **[Epoxy coated wire pull, 8mm diameter with 96mm O.C. mounting holes]** or **[Brass core wire pull, 8mm diameter with 96mm O.C. mounting holes]** or **[Stainless steel wire pull, 8mm diameter with 96mm O.C. mounting holes]** or **[Semi recessed, 110mm x 32mm with 96mm O.C. mounting holes]** or **[Semi recessed, oversized, 134mm x 43mm with 117.5mm O.C. mounting holes]** or **[No Drill/No Pull]** or **[Drill/No Pull]** or **[Custom Pull: As Specified]**.
3. Drawer Slides:
   a. **[Standard drawer: Self-closing, bottom mount epoxy coated with captive roller and positive in stop. Slide shall have 100 lb. load rating, must be: self-closing and must prevent drawer fronts from contacting the cabinet body. Drawer slides must meet or exceed Grade 1 requirements per ANSI A156.9/BHMA with full extension slides on file and paper storage]** or **[Full extension Bottom Mount Slides on All]** or **[KV8400 at Standard Drawers, KV8500 at six increment Drawers and Deeper]** or **[KV8400 at All Drawers]** or **[KV8400 at Standard Drawers and KV8500 at File Drawers]** or **[Accuride 3832 at Standard Drawers and 4032 at 6 Increment Drawers and Deeper]** or **[Accuride 3832 at All Drawers]** or **[Accuride 3832 at Standard Drawers and 4032 at File Drawers]**.
   b. File drawer: Full extension, bottom mount epoxy coated with captive roller and positive in stop. Slide shall have 100lb. load rating, must be: full extension, and prevent drawer fronts from contacting the cabinet body. Drawer slides must meet or exceed Grade 1 requirements per ANSI/BHMA.
4. Wall Shelving Hardware:
   a. **[Standard duty wall shelving hardware, including standards and brackets, are available in an anochrome finish]** or **[Heavy-duty wall shelving hardware, including standards and brackets, are available in an anochrome finish]**.

b. Bracket Mounted Shelf Core shall be: **[Standard: Particleboard]** or **[MR/FSC Board]** or **[NAUF/FSC Particleboard]** or **[NAUF/FSC Plywood]** or **[FSC Particleboard]** or **[FSC Plywood]**.
c. Bracket Mounted Shelf Edge shall be: **[020"]** or **[3mm]**.
d. Bracket Mounted Shelf Surface shall be: **[VGS laminate]** or **[HGS laminate]** or **[Chemical Resistant Laminate]** or **[Decorative Thermally Fused]** or **[Thermally Fused]**.

5. Shelf Clips:
   a. **[Standard: Plastic]**
      i. Shelf clips shall be injected molded clear plastic, with a double pin engagement 32mm on center and shall have 3/4" and 1" anti-tip locking tabs as approved in AWI 400B-T-9 for premium Grade. Shelf clips shall be: single pin plastic shelf clip with anti-tip locking tabs, used for all 1/4" hardboard shelves.
6. Coat Hooks shall be Zinc plated, single prong and double prong.
7. Closet Rods shall be Zinc plated rod, 1" diameter with captive sockets.
8. Mirrors:
   a. Teacher wardrobe mirrors to be 8" x 10".
9. Label Holders shall be on **[Standard: None]** or **[All Drawers]** or **[All Doors]** or **[All Doors and All Drawers]** or **[File Drawers Only]** or **[Left Door Only]** or **[Right Door Only]** or **[Standard Drawers Only]**.
10. Locks (where shown or noted only):
    a. Lock Locations:
       i. **[Standard: No Locks]** or **[Selected Cabinets Shown on Drawings]** or **[Locks at All]** or **[Lock Bottom Drawers Only]** or **[Locks at Doors Only]** or **[Locks at All Drawers Only]** or **[Locks at File Drawers Only]** or **[Locks on Top Drawers Only]**.
    b. Lock Type:
       i. **[Standard Lock - National: Five disc tumbler cam locks, chrome plated steel faceplate. All locks keyed alike or keyed differently by room and master keyed. Shall permit a minimum of 50 keying options. Lock core is removable permitting owner to easily change lock arrangements. Inactive door of base and wall cabinets shall be: secured by using an elbow catch, or a chain pull for tall cabinets]** or **[National - Comp X: four or five pin versions available, pin tumbler, trim ring provided, special cams required]** or **[Best – 5L: dead bolt style, not available for use on 3-inch increment drawers, trim ring not available]** or **[Best – 5E]** or **[Olympus - #100DR for Doors and Olympus #200DW for Drawers: Not available for use on 3-inch increment drawers]**.
11. Casters:
    a. Shall be available in both 4" (3" diameter wheel) and 6" (5" diameter wheel) nominal heights. 4" casters must have a minimum load rating of 165 lbs per caster and the 6" casters must have a minimum load rating of 200 lbs per caster. Shall be ball bearing with 360° swivel. Shall have non-marring wheels available in both locking and non-locking.
12. Catches:

a. Chain Pulls shall be zinc plated, spring loaded door catch used to hold door securely shut.
b. Chain Stops shall be zinc plated, looped chain used to limit door swing as specified, mounting plate at each end of chain shall use (4) #7 x 5/8" screws to secure to cabinet door and end panel. They shall be on cabinets at adjoining walls and where casework and countertops can interfere with the door swing of the tall cabinet.
c. Elbow Catch shall be chrome plated, spring loaded, used to hold non-locking door securely shut.
d. Roller Catch, (not used with self-closing hinges) shall have: heavy-duty, spring-loaded roller, with molded plastic bumper mounted at door top to keep door securely shut.
e. Magnetic Catch, (not used with self-closing hinges) shall have: white plastic housing with two 32mm spaced, elongated holes for screw-attachment to allow adjustability.
f. Catches shall be: **[Standard: Magnetic at Base and Wall, 1 Roller at Tall]** or **[1 Roller at All]** or **[Magnetic at Base and Wall, 2 Roller at Tall]** or **[1 Roller at All, 2 Rollers at Talls]** or **[Standard: None for 3 Knuckle or Concealed Hinges]**.

13. Tote Tray shall be white, high impact resistant polystyrene, with label holder permanently attached to face of tray. Supported by individual polycarbonate channels mounted to cabinet ends and partitions with two integral 5mm diameter pins and secured with one-euro style screw. Height adjustable on 32mm (1-1/4") centers.
14. Countertop Supports:
    a. Powder coated, formed metal supports. Must provide attachment points between countertop and wall.

2.6 SOURCE QUALITY TESTING

A. Cabinet Joinery:
1. Base Cabinet:
   a. Base cabinet testing shall be: done in accordance with SEFA 8PL Recommended Practices Paragraph 4.0 Base Cabinets. All testing shall be performed by SEFA certified independent testing facilities. The following tests shall be performed:
   The SEFA 8 test procedures are accessible on-line at www.sefalabs.com.
   The ANSI/NEMA 3 LD – 2005 test procedures are available on-line at www.global.ihs.com

Test	Paragraph
Cabinet Load	4.2
Cabinet Concentrated Load	4.3
Cabinet Torsion	4.4
Cabinet Submersion	4.5

2. Doors:
   a. Door testing shall be: done in accordance with SEFA 8PL Recommended Practices Paragraph 5.0 Doors. The following tests shall be performed:

Test	Paragraph

Door Hinge Test	5.1
Door Cycle Test	5.2

3. Drawers:
   a. Drawer testing shall be: done in accordance with SEFA 8PL Recommended Practices Paragraph 6.0 Drawers. The following tests shall be performed:

Test	Paragraph
Drawer Static Test	6.1
Drawer Impact Test	6.2
Drawer Internal Rolling Test	6.3
Drawer Cycle Test	6.4

4. Cabinet Surface Finish:
   a. Cabinet surface finish tests shall be: done in accordance with SEFA 8PL Recommended Practices Paragraph 8.0, Cabinet Surface Finish Tests. The following testing shall be performed:

Test	Paragraph
Chemical Spot Test	8.1
Boiling Water Resistance Test (ANSI/NEMA LD 3 -2005 Paragraph 3.5)	8.2
Ball Impact Resistance Test (ANSI/NEMA LD 3 -2005 Paragraph 3.8)	8.3
Dart Impact resistance Test (ANSI/NEMA LD 3 – 2005 Paragraph 3.9)	8.4

5. Edge Delaminating Test:
   a. Edge delaminating tests shall be: done in accordance with SEFA 8PL Recommended Practices Paragraph 8.5, Edge Delaminating Test.
6. Wall, Counter Mounted, and Tall Cabinets Load Test:
   a. The wall mounted cabinet load test shall be: done in accordance with SEFA 8PL Recommended Practices Paragraph 9.0.

PART 3 – EXECUTION

3.1 INSTALLERS

A. Installation shall be: by casework manufacturer's authorized representative.

3.2 INSTALLATION

A. Casework shall not be: installed until concrete, masonry, and drywall/plaster work is dry.
   1. If ambient conditions are not met at the time of requested delivery, the general contractor or owner must provide Case Systems a letter that releases manufacturer from any liability and responsibility from any warranty or damage resulting from not complying with required ambient conditions.

B. Casework shall be: installed plumb and true and is to be securely anchored in place.

C. The casework contractor shall verify all critical building dimensions prior to fabrication of casework.

D. Provide all labor for unloading, distribution, and installation of casework and related items as specified.

E. All casework shall be: securely anchored to horizontal wall blocking, not to plaster lathe or wall board.

F. The casework manufacturer shall re-configure the casework arrangements to dimensions requiring 2-1/2" or less of filler at each end of wall-to-wall elevations, and to ensure a complete and satisfactory installation.

G. The casework installer shall remove all debris, sawdust, scraps, and leave casework spaces clean.

H. All casework must be installed by casework installer plumb and level, adjust all doors, drawers and hardware to comply with manufacturers specifications and operate properly.

-END OF SECTION-

Case Systems, Inc.

GENERAL SPECIFICATION – LATITUDE SCIENCE TABLE

PART 1 GENERAL

1.1 ADMINISTRATIVE REQUIREMENTS

A. Pre-Installation Conference:
   1. Attendance: [Architect,] [Owner,] [Contractor,] [Construction Manager,] [Design/Builder] installer, and related trades.
   2. Review: Project conditions, manufacturer requirements, delivery, and storage, staging and sequencing, and protection of completed work.

1.2 SUBMITTALS

A. Action Submittals:
   1. Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.
   2. Product Data: Manufacturer's descriptive data and product attributes.
   3. Samples:
      a. [Selection samples.] [Verification samples.]

B. Closeout Submittals:
   1. Operation and Maintenance Data.

C. Quality Control Submittals:
   1. Manufacturer qualification statement.
   2. Comprehensive quality assurance statement.

1.3 QUALITY ASSURANCE

A. Manufacturer Qualifications:
   1. Manufacturer has a minimum of 5 years of experience of manufacturing science tables for similar projects and can show evidence of long-lasting financial stability.
   2. Certified for chain of custody by third party group approved by Forest Stewardship Council (FSC).
   3. Licensed under Architectural Woodwork Institute (AWI) Quality Certification Program (QCP).

B. Installer Qualifications: Minimum [2] [__] years' experience in work of this Section.

C. Mockups:
   1. Full-size science table.
   2. Approved mockups [may] [may not] remain as part of the Work.

1.4 WARRANTIES

A. Manufacturer's [1 year] [3 year] [5 year] [limited lifetime] warranty against defects in materials and workmanship, including non-casework accessories.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Contract Documents are based on products by Case Systems, Inc., www.casesystems.com.

B. Substitutions: [Refer to Division 01.] [Not permitted.]

2.2 MATERIALS

A. Base and Top Deck Structure:
1. Sheet Steel: High quality cold rolled mill steel meeting the requirements of ASTM A1008CS Type B in 18 ga and 14 ga U.S. standard. High quality hot rolled pickled and oiled steel meeting the requirements of ASTM A1011CS Type B in 11 ga and 7 ga U.S. standard.
2. Tube steel: High quality square tube meeting the requirements of ASTM A500 for 1.5" square with various thicknesses.

B. Base Enclosure Panels:
1. Plastic Laminate Panels:
a. Core:
[Particleboard, ANSI A208.1, Grade M-2 or higher.]
*** OR ***
[Moisture resistant particleboard, ANSI A208.1, interior grade moisture resistant, MR/FSC.]
*** OR ***
[Recycled content, FSC Certified particleboard, ANSI A208.1, ULEF/FSC, M-2, containing recycled content, no added urea formaldehyde.]
*** OR ***
[Recycled content, FSC Certified plywood, ULEF/FSC, no added urea formaldehyde.]
*** OR ***
[FSC Certified plywood.]
b. Finish:
High Pressure Laminate grade VGS [Formica in a '58' finish] [Nevamar in a T finish] [Pionite in an'SD' finish] [Wilsonart in a '60' matte finish]

2. Painted Steel panels: 18ga cold rolled steel with an electrostatically applied powder coating finish. Color is [gray] [light neutral] [black] [white].

C. Edge Banding:
1. PVC, applied utilizing hot melt adhesive and radiused by automatic trimmer.
2. Adhesive: PVA type, mechanically applied, ULEF, free from VOC's.

2.3 FABRICATION

A.General Base and Top Deck Construction:
1. Main base structure: Main base structure consists of formed sheet steel with mig-welded and bolted construction making a rigid frame structure to support the adjustable and fixed portions of the final unit. The base structure is enclosed with removable panels to allow access to plumbing and electrical services.
2. Sink main structure consists of formed sheet steel with mig-welded and bolted construction making a rigid frame structure to support the sink and sink worksurface. Knee space clearances are designed to be wheelchair accessible for the sink. The front and vertical panels of the sink section are removable for access to plumbing and electrical connections.
3. Top deck structure is constructed of 1.5"-11ga square tubing and sheet steel mig-welded to form a rigid structure.
4. Table Lift System
a. The adjustable table height range is a nominal 31" to 37" including a 1" countertop thickness
b. Linear actuator – Two Units mounted inside of the table base for the adjustable tabletop.
i. Model #LA31 series linear actuator.
ii. 24-V DC permanent magnet motor.
iii. Thrust up to 6000 N in push and up to 4000 N in pull

iv. Synchronization feature on each actuator for accurate control of height range and balance between both actuators.
v. Travel length of 150mm (5.91”).
vi. Built-in brake to hold position.
vii. Noise level of 48 dB (A); measuring method DSIEN ISO 3746, actuator not loaded.
viii. Duty cycle Max 10% or 2 minutes continuous use followed by 18 minutes not in use.
ix. Built in limit switches (non-adjustable).
x. Color is black.

c. Desk Panel (up/down switch)
i. Model number #DP1E.
ii. Two button plastic housed switch with imprinted arrows indicating the up and down directions.
iii. Color is black.

d. Power Transformer/ control box
i. Model #CBD6S.
ii. Input voltage of 120v and output voltage of 24v.
iii. Maximum amperage draw is 2.7amps.
iv. Color is black.

2. Load rating:
a. Overall table load rating with an epoxy worksurface and sink is 300 lbs maximum of evenly distributed load.

3. Countertops:
a. Epoxy Resin:
i. Top 1" thick with 1/32" chamfer on finished Epoxy edges and provided with 1/8” radius edge and all corners. Color is black.
- Optional molded dished (marine edge) worksurface.

b. Phenolic Resin:
i. **[¾"]** or **[1"]** thickness with 1/8" radius edge and all corners. Color is black.
ii. Shall be made of thermosetting resins, homogeneously reinforced with wood-based fibers, manufactured under high heat and high pressure.
iii. Non-porous, water resistant with anti-microbial properties without the use of coatings or additives.

2.4 ACCESSORIES

A. Sink:
1. Epoxy sink for ADA requirements, Durcon model A55 drop-in style, corner outlet, 25” w x 15” l x 4.8”d. Standard Ducron polypropylene sink outlet and sink strainer cap are included. Color is black.

B. Water and Gas Fixtures:
1. Laboratory grade service fixture by Watersaver, Vandal-resistant combination fixture, hot/cold and gas. Watersaver VR5800WSA for standard model & VR5800-110WSA for model with in-line vacuum breaker on water inlet.
a. Laboratory style ball valves for gas fixtures

C. Electrical fixtures:
1. Outlet fixtures and covers in Apron Assembly:
a. Electrical duplex outlets are a Leviton #G5262 series 15amp 125v rated, GFCI industrial grade receptacle.
b. USB outlets are a Leviton #USB4P series 4.2A-125v rated total output with (4) ports.
c. Covers are Leviton standard configurations to fit the application and quad box size.
2. Power Outlet Strip mounting under Top Deck Structure

a. Six outlet power strip, 15A rated, lighted on/off switch.
b. Power cord is 15’ length with NEMA 5-15 plug.

D. Apparatus Rods:
1. Rods and fittings are manufactured from machined aluminum.
2. Rod socket is a taper fit design.
3. Rod diameter is ¾” and available in various lengths.

E. Wire grommets:
1. 60mm diameter surface mount with snap on cover. Available in several colors.

F. Plumbing P-trap ADA cover. Trubro soft mold vinyl P-trap cover with internal fasteners.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install in accordance with manufacturer’s instructions and approved Shop Drawings.

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END OF SECTION