

2025 City of Cleveland

Landmarks Commission

October 23rd, 2025

Julie Trott, Commission Chair Daniel Musson, Secretary







Certificates of Appropriateness

October 23rd, 2025





Case 25-081 Case 25-082

Certificate of Appropriateness

Warehouse Historic District

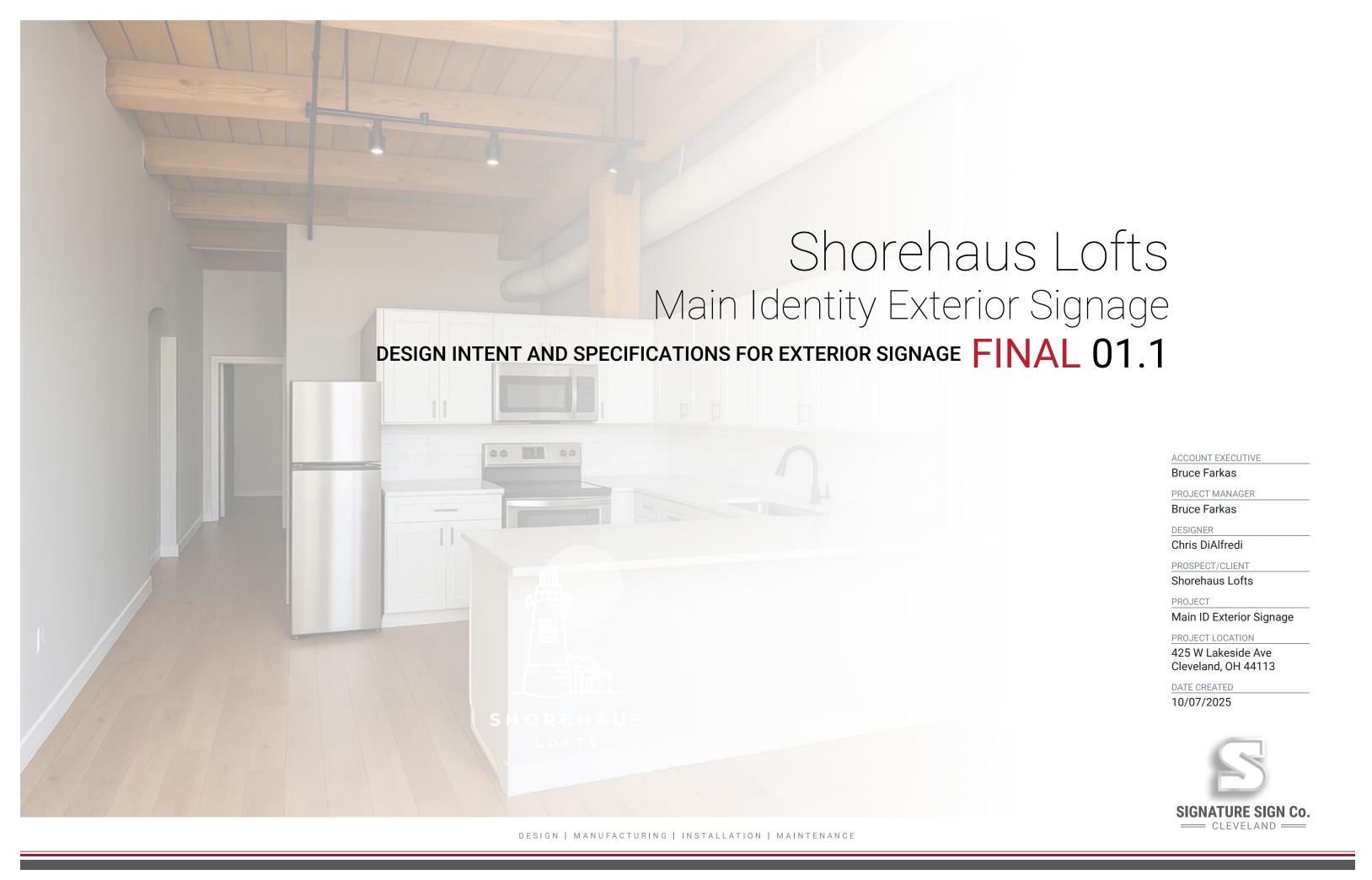
Shorehaus Lofts and +Detail 425 W Lakeside Avenue

Signage

Project Representatives: James Vacey, Signature Sign Company Ward 3: Councilmember Welch







Main ID Exterior Signage - DESIGN INTENT AND SPECIFICATIONS - FINAL 01.1

DESIGN INTENT ONLY - NOT SUITABLE FOR PRODUCTION

01.1 O EXTERIOR SIGNAGE - WEST ELEVATION - Current Condition - DAY 🎘



CURRENT CONDITION

ACCOUNT EXECUTIVE

Bruce Farkas

PROJECT MANAGER

Bruce Farkas

DESIGNER

Chris DiAlfredi

PROSPECT/CLIENT

Shorehaus Lofts

PROJECT

Main ID Exterior Signage

PROJECT LOCATION

425 W Lakeside Ave Cleveland, OH 44113

DATE CREATED

10/07/2025

DESIGN TYPE

Design Intent -Specifications Submittal -FINAL

DESIGN VERSION

01.1

REVISIONS

10/07/2025 - Added a tenant sign at the Lakeside Avenue pedestrian entrance

SCALE

As Noted

PAGE

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SIGNATURE SIGN Co.

1776 East 43RD Street Cleveland, Ohio 44103 Phone: (216) 426-1234

www.signaturesigncompany.com



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01.1 O EXTERIOR SIGNAGE - WEST ELEVATION - Conceptual Rendering - DAY 🖄



PROPOSED

ACCOUNT EXECUTIVE

Bruce Farkas

PROJECT MANAGER

Bruce Farkas

DESIGNER

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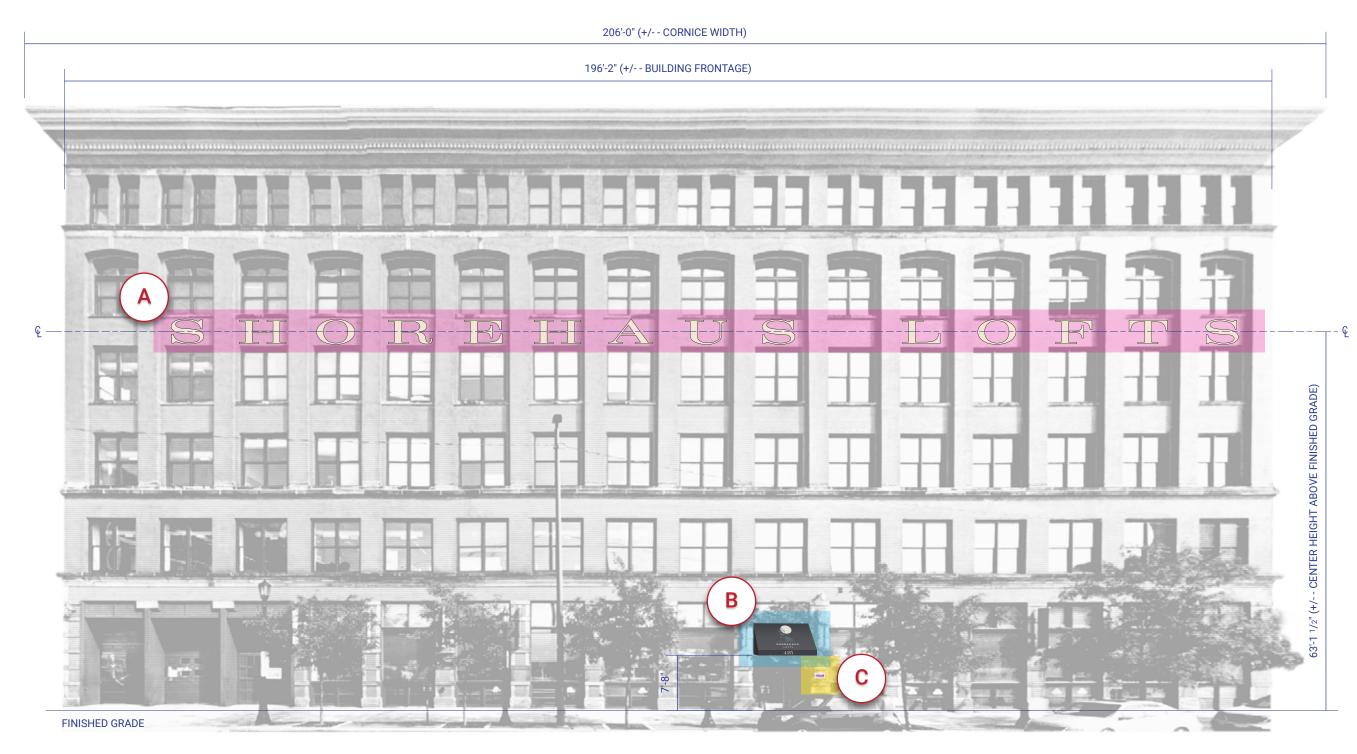


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EXTERIOR SIGNAGE - NORTH ELEVATION - Detail Drawing

01.1 0-SCALE: 1/16" = 1'-0"



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DESIGN INTENT ONLY - NOT SUITABLE FOR PRODUCTION

FLAT, CUT ALUMINUM LETTERS - Face Elevation

01.1-A O-

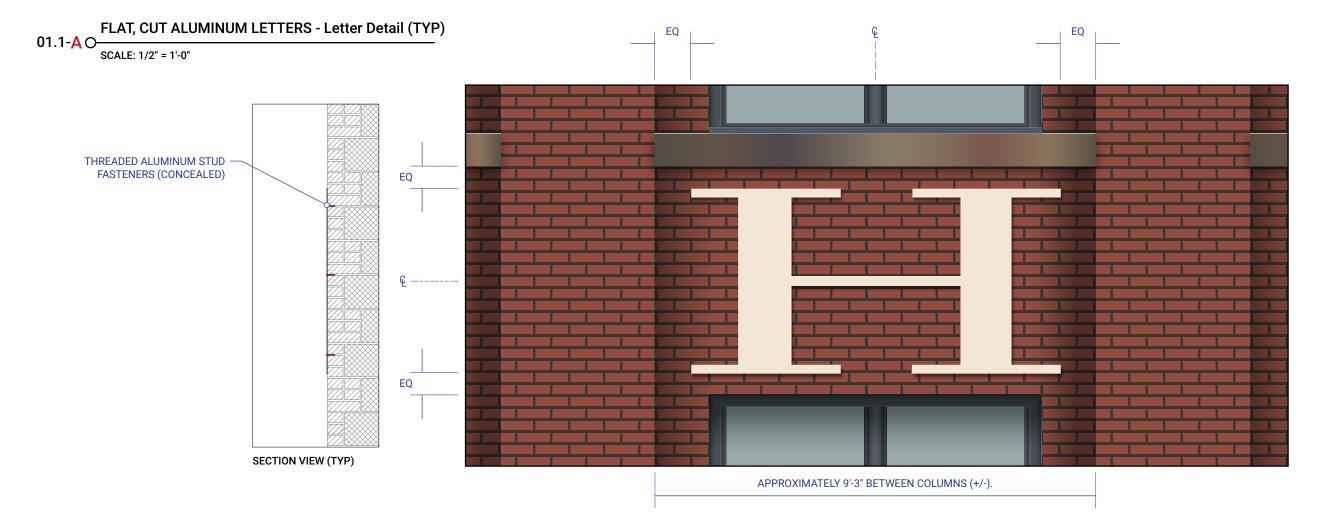
ONE (1) - SET OF 1/8" THICK, FLAT, CUT-OUT, ALUMINUM LETTERS. MOUNTED TO THE BUILDING VIA CONCEALED FASTENERS. LETTERS ARE LOCATED BETWEEN COLUMNS ON THE NORTHWEST FACE OF THE BUILDING, ON BRICK FASCIAS BETWEEN THE THIRD AND FOURTH FLOORS. LETTERS WILL BE EASILY VISIBLE FROM THE OHIO STATE ROUTE 2 (SHOREWAY) OVERPASS AND ARE TRADITIONAL BUILDING IDENTITIFIERS THAT ARE AESTHETICALLY APPROPRIATE FOR BUILDINGS C. 1880-1930.

QTY: 1

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

CRISP LINEN (SW 6378)





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DESIGN | MANUFACTURING | INSTALLATION | MAINTENANCE

Main ID Exterior Signage - DESIGN INTENT AND SPECIFICATIONS - FINAL 01.1

9'-4" (OPENING BETWEEN BRICK COLUMNS)

DESIGN INTENT ONLY - NOT SUITABLE FOR PRODUCTION

01.1-B O-ONE (1) - SHED-STYLE, NON-ILLUMINATED, FABRIC AWNING

MAIN ENTRANCE AWNING - North Elevation, 3D View

WITH REINFORCED, WELDED, ALUMINUM SQUARE TUBE FRAME. AWNING MOUNTED ABOVE THE PRIMARY PEDESTRIAN ENTRANCE ON LAKESIDE AVENUE.

QTY: 1

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

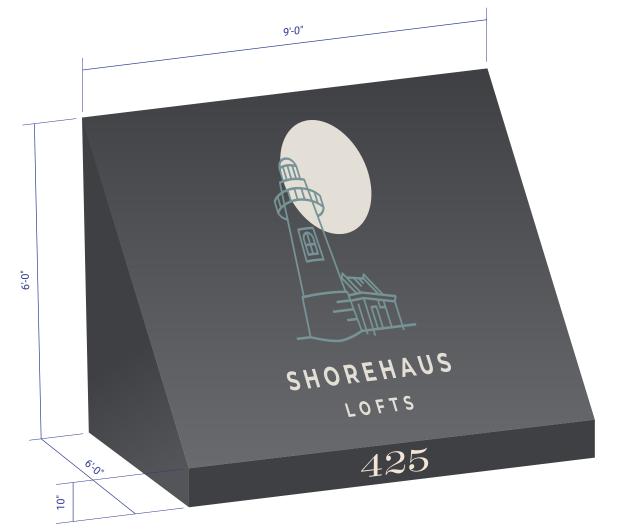
PRIMARY PALETTE:

- SUNBRELLA® SLATE (SKU: 4684-0000)
- CRISP LINEN (SW 6378)
- REFLECTING POOL (SW 6486)

TOP OF AWNING COINCIDES WITH TRANSOM WINDOW TOP MULLION (CONCEALED)

SHED-STYLE, FABRIC AWNING OVER MAIN **ENTRANCE**

> SOFFIT (NOT SHOWN) CONTAINS **EXISTING DOWNLIGHTING**





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TENANT SIGN - North Elevation

01.1-C O-

ONE (1) - 20 3/8"W x 12"H x 3 1/2"D (OVERALL) FABRICATED ALUMINUM, NON-ILLUMINATED SIGN CONSISTING OF A 2 1/2"D FABRICATED ALUMINUM PAN WITH 1" THICK, FLAT, LASER-CUT ACRYLIC LOGO LETTERS ATTACHED WITH CONCEALED FASTENERS. THE SIGN IS MOUNTED TO A BRICK COLUMN TO THE RIGHT OF PRIMARY PEDESTRIAN ENTRANCE ON LAKESIDE AVENUE.

QTY: 1

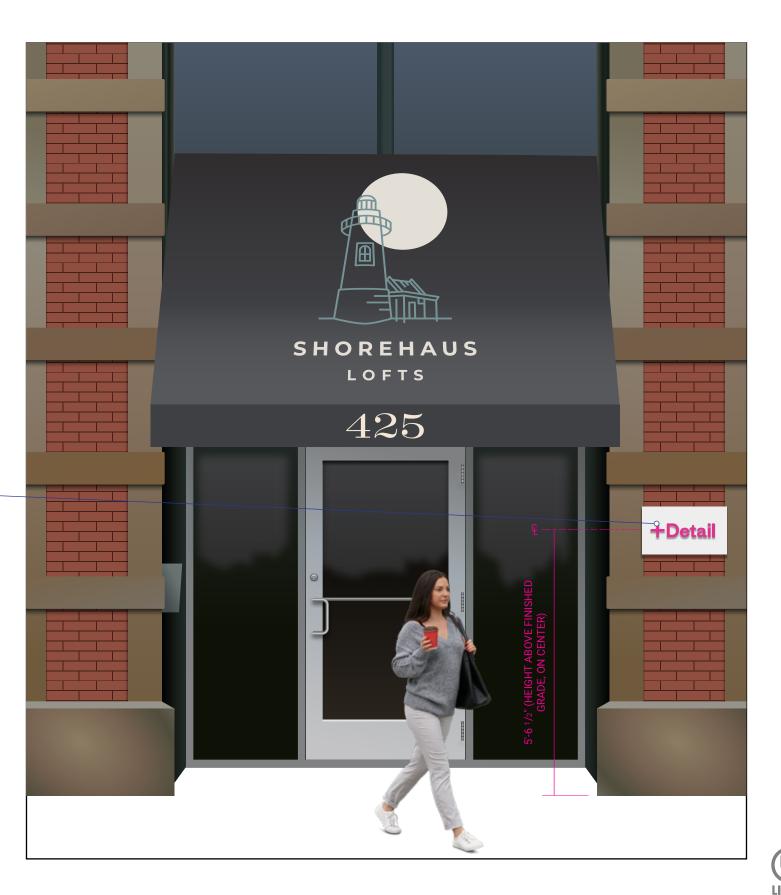
SCALE: 1/2" = 1'-0"

PRIMARY PALETTE:

WHITE

HEADY PINK METALLIC (MP25338)





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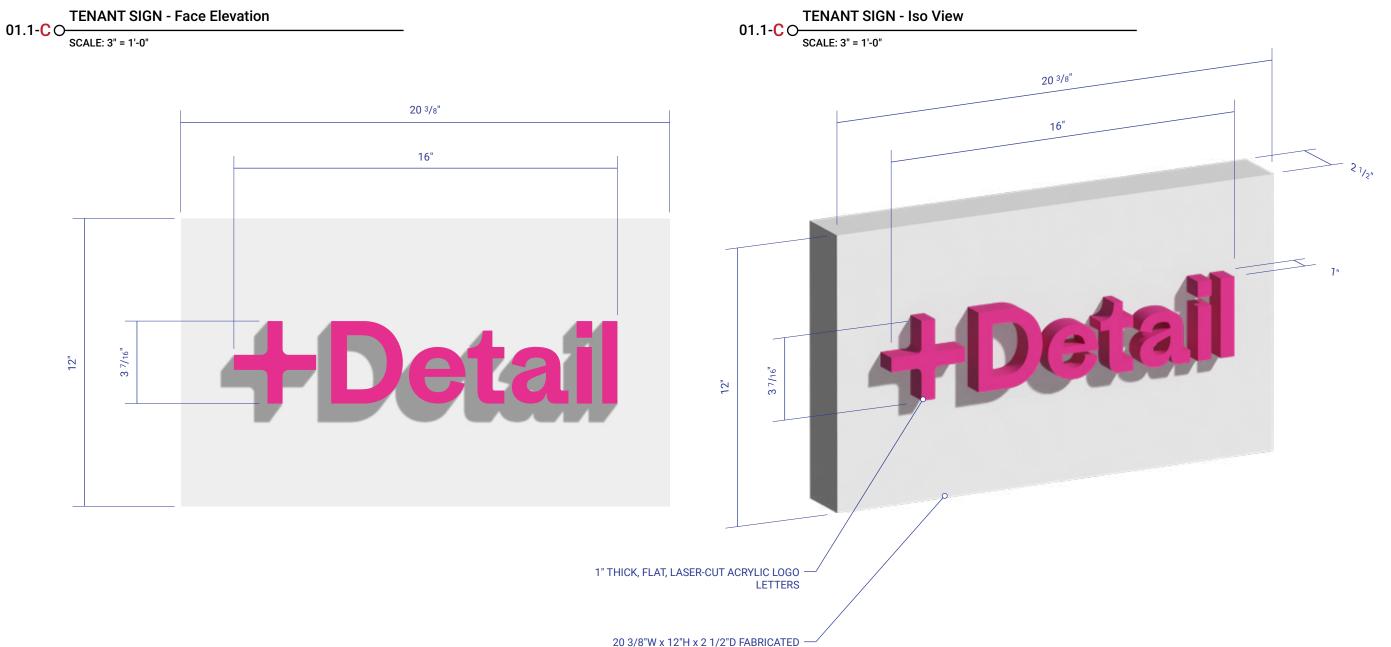
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ALUMINUM, NON-ILLUMINATED PAN

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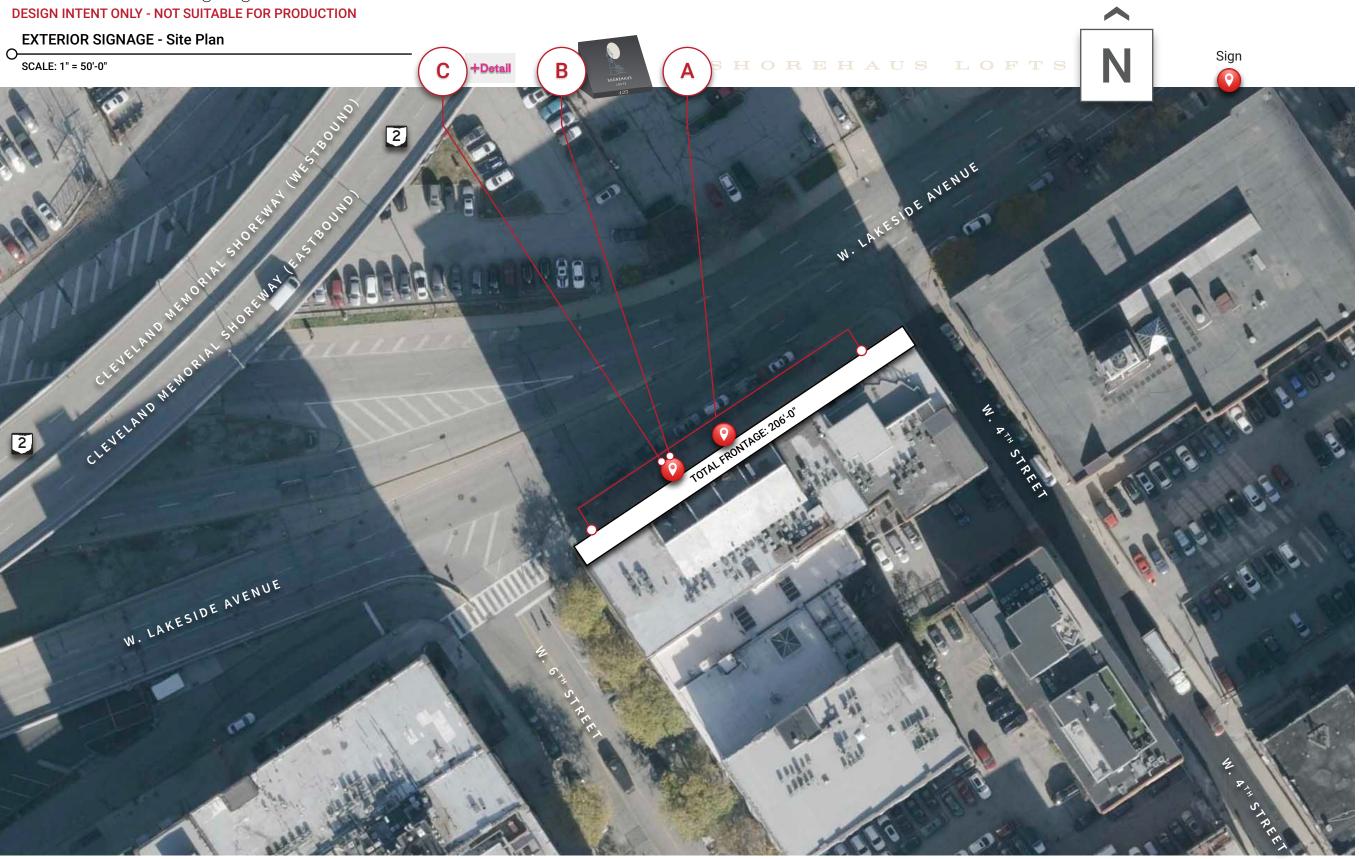
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Case 25-083

Certificate of Appropriateness

Cleveland Christian Home for Children

Cleveland Christian Home Campus 11401 Lorain Avenue

Renovations

Project Representatives: Lucas Moore, CPL Team

Ward 11: Councilmember Kelly







PROJECT DESCRIPTION:

BUILDING 1:

Interior renovation to a portion of each floor in an existing building. Renovated spaces will be used for the expansion of Cleveland Christian home services. Exterior updates include a ramp extension, perimeter fence, adding parking, and replacing windows to match existing.

BUILDING 2:

Interior renovation to a portion of the main floor. Renovated spaces will be used for the expansion of the Hope Center services.

Exterior updates include removing the swimming pool, replacing windows inkind as necessary, new entry vestibule, and a new entry canopy.

INDEX:

- 1. SITE
- 2. CONTEXT
- 3. SITE PLAN
- 4. ELEVATIONS
- 5. FLOOR PLANS
- RENDERINGS







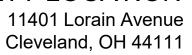




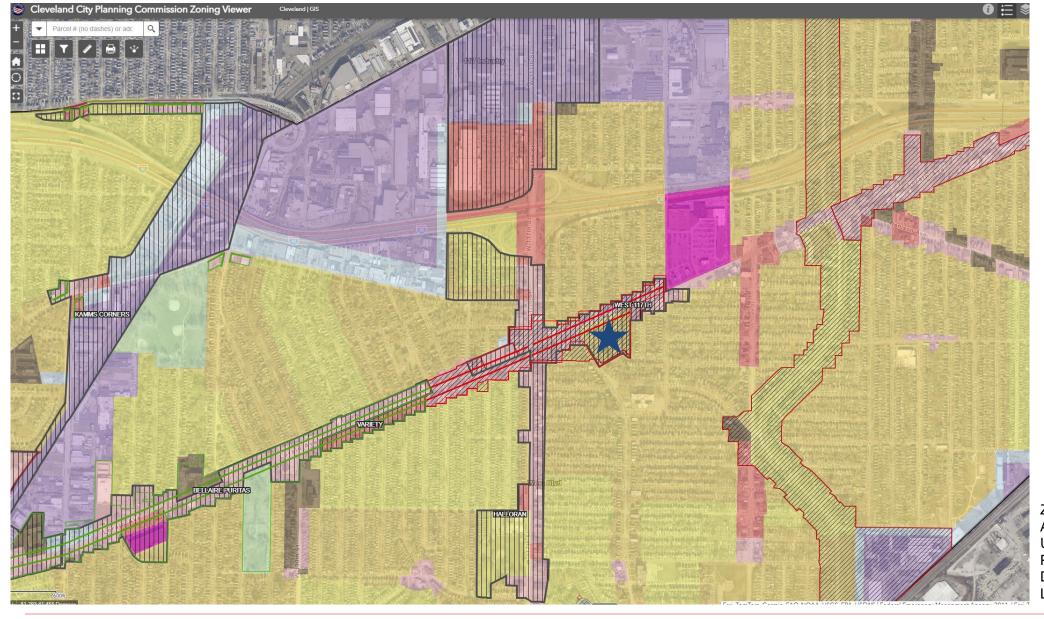












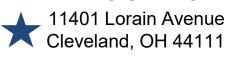
Zoning: 2F-B1 Area District: B Use District: Two Family PRO Street Frontage Design Review District Local Landmark District



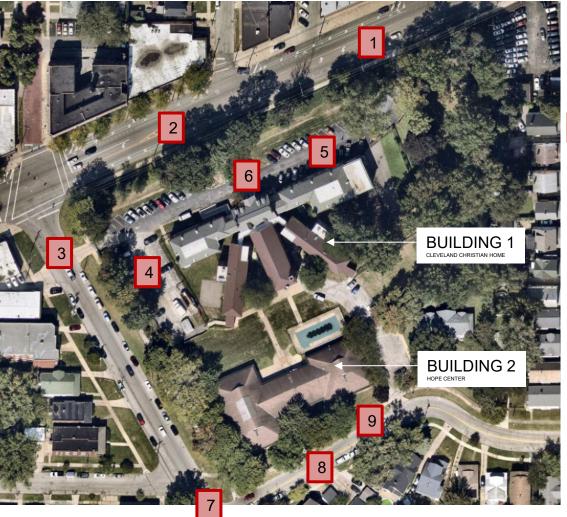




1. PROPERTY LOCATION



































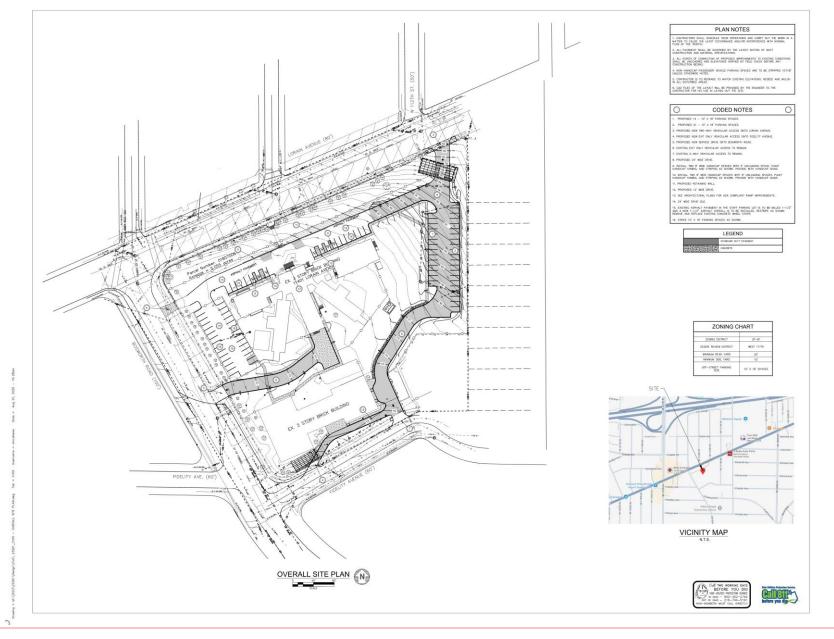


PRESENT POSTCARD 1940 1929





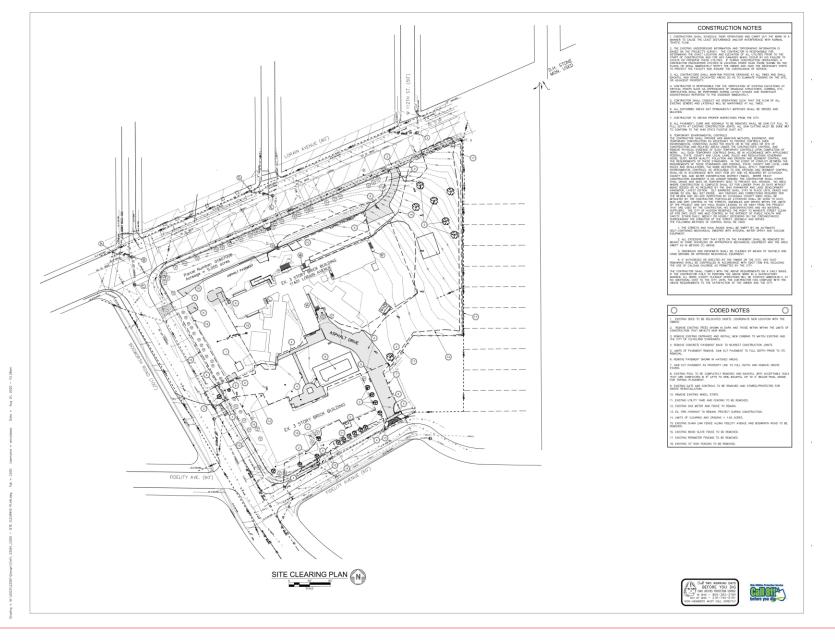








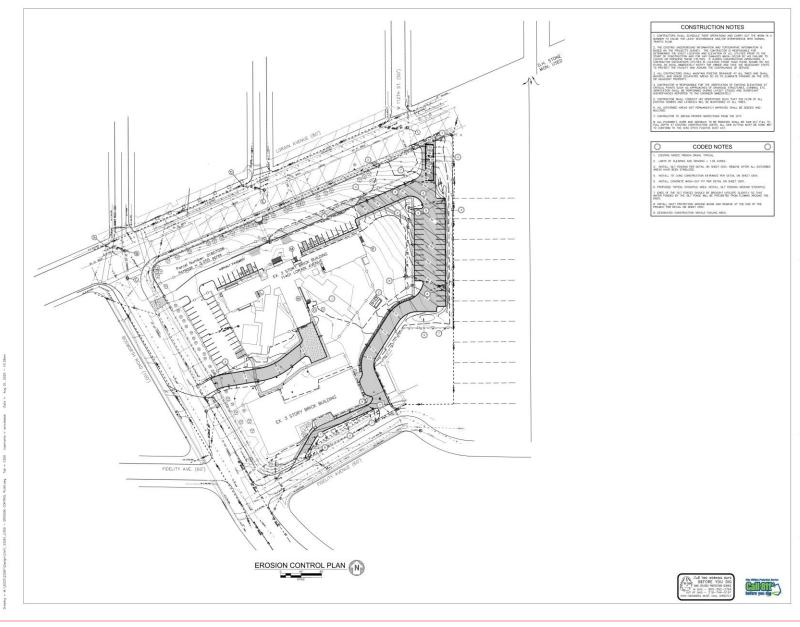








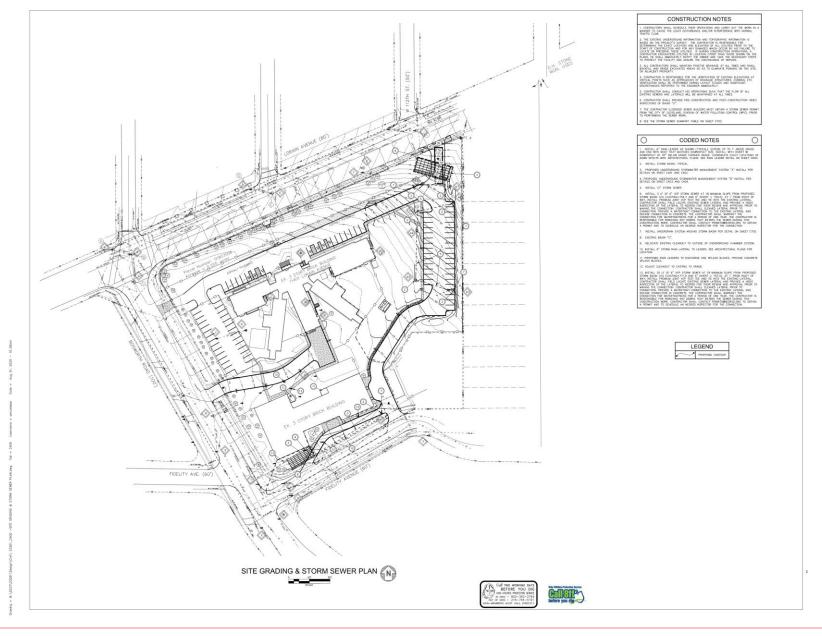




















PART TYPE	LAYOUT	DESCRIPTION	INVERT	MAX FLOW
PREFABRICATED EZ END CAP		12" BOTTOM PREFABRICATED EZ END CAP, PARTIE SC310ECEZ / TYP OF ALL 12" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	767.50	
PRE-CORED END CAP	B	8" TOP PRE-CORED END CAP, PART#: SC310EPE08TPC / TYP OF ALL 8" TOP CONNECTIONS		
PRE-CORED END CAP		8" BOTTOM PRE-CORED END CAP, PART#: SC310EPE08BPC / TYP OF ALL 8" BOTTOM CONNECTIONS	767.5	
FLAMP	D	INSTALL FLAMP ON 12" ACCESS PIPE / PARTIK SC31012RAMP		
MANIFOLD	E	8" x 8" TOP MANIFOLD, MOLDED FITTINGS		
PIPE CONNECTION	F	8" BOTTOM CONNECTION	767.50	
NLET BASIN "A11"	G	CASTING = 770.5. PROP. 12" INV (E&W) = 767.6. PROP 8" INV (N) = 767.6		1.39 CFS IN
YARD BASIN "A10" THIS SHEET	н			1.11 CFS OUT
UNDERDRAIN	1	4" ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN		

SC-310 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE ASSHTO LEYD BRODGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) CONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LEYD LOADS, BASED ON THE ASSHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- 6. CHAMBERS SHALL BE DESIGNED. TESTES AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCREDANCE WITH ASTIN 12787, "STRADARD PACIFIC FOR STRUCTURAL DESIGN OF TERMINANDAS TO CORRUCATE DWALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (14 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-NY) COVER LOAD AND 3, ALLOWABLE COVER WITH PARKED LY-WEEK) AASHTO DESIGN TRUCK.
- 7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
- TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING
- TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS.
- TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION. a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 325 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.28 OF ASTM F2416, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT LEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER. THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROLECT SITE AS FOLLOWS:

 - VERING DIAMBERS TO THE MYOLET SHE AS ALL LOWN
 VERING DIAMBERS TO THE MYOLET SHE AS ALL LOWN
 VERING DIAMBERS TO THE MYOLET SHE AS ALL LOWN
 VERY AS ALL LOWN
 VERY ASSET OF THE STACKLING SHE ASSELLATION
 VERY ASSET OF THE STACKLING SHE ASSELLATION SHALL DIAMONISTING THE THE ASSET FACTORS ARE GREATER THAN OR EQUAL TO 1.89 FOR
 DEAD LOAD AND 1.75 FOR LUYE LOAD, THE MINIMUM REQUIRED BY ASTIM 72787 AND BY SECTIONS 3 AND 12.12 OF THE ASSHTO
 LETP BRIDGOE DESIGN SPECIFICATION FOR THE REMODELETIC PIPE.
 - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2922 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- 9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
- 10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- 11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

- STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE"
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORATECH RECOMMENDS 3 BACKFILL METHODS:

 STORATECH PROPRIED OFF THE CHAMBER BED.
- BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE. BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- 5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE
- 6. MAINTAIN MINIMUM 3* (80 mm) SPACING BETWEEN THE CHAMBER ROWS
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

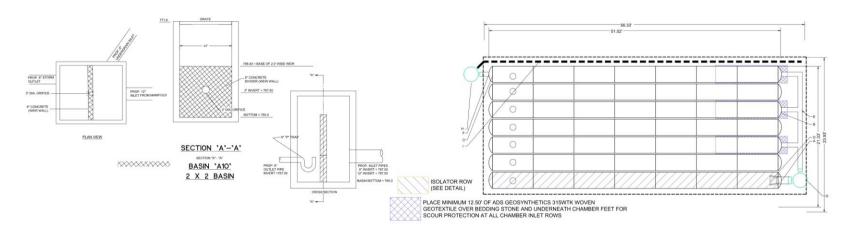
NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE"
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:

 NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 NO RUBBER TIRED LOADERS, DUIPM TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE. WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE
- WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT









3. SITE PLAN STORM WATER MANAGEMENT PLAN

SC-310 TECHNICAL SPECIFICATION

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT	
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS, PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.	
С	INITIAL FILL: FILL MATERIAL FOR LAYER TO STARTS FROM THE TOP OF THE EMBEDMENT STONE (TO LAYER) TO 18" (400 mm) ABOVE THE TOP OF THE CO-CHAMBER NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE TO LAYER.	GRANULAR WELL-GRADED SOILIAGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145' A-1, A-2-4, A-3 OR AASHTO M43' 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 76, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELITIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 bis (53 kM), DYNAMIC FORCE NOT TO EXCEED 12,000 bis (50 kM), DYNAMIC FORCE NOT TO EXCEED 12,000 bis (50 kM).	
В	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETES	AASHTO M43¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.	
Α	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETES	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}	



CHAMBER STORAGE MINIMUM INSTALLED STORAGE

(864 mm X 406 mm X 2169 mm) (0.42 m²) (0.83 m²) 34.0° X 16.0° X 85.4° 14.7 CUBIC FEET 29.3 CUBIC FEET

*ASSUMES 6" (152 mm) ABOVE, BELOW, AND 3" (75 mm) BETWEEN CHAMBERS

- PLEASE NOTE:

 1. THE LISTED ASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR FOR EXAMPLE, A SPECIFICATION FOR ALSTONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO MS) STONE".

 2. STORMITECH COMPACTION REQUIREMENTS ARE MET FOR 'N LOCATION MATERIALS WHEN PLACES AND COMPACTED IN 8" (150 mm) (MAD) LIST SUSING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.

 3. WHERE RIFITATION SURFACES AND YES COMPACTOR.

 3. WHERE RIFITATION SURFACES AND YES COMPACTOR.

 4. WHERE RIFITATION SURFACES AND YES COMPACTOR.

 5. WHERE RIFITATION SURFACES AND YES COMPACTOR.

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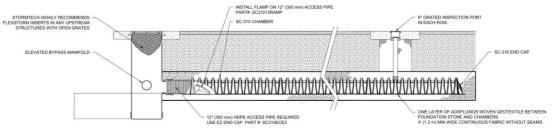
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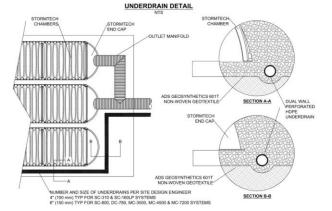
 9. WHERE RIFITATION SURFA
- CONCE LAYER YOUR PLACED. ANY SOIL MATERIAL CAN REPLACED IN LAYER YOUR TO THE FINISHED GRADE MOST PAYEMENT SURRASE SOILS CAN RE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER YOUR TO AT THE SITE DESIGN ENGINEERS'S DISCRETION.
- WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL"

ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE ALL AROUND CLEAN, CRUSHED, ANGULAR STONE IN A & B LAYERS PAVEMENT LAYER PERIMETER STONE MIN (CAN BE SLOPED OR VERTICAL) "THIS CROSS SECTION DETAIL REPRESENTS MINIMUM REQUIREMENTS FOR INSTALLATION, PLEASE SEE THE LAYOUT SHEET(S) FOR PROJECT SPECIFIC REQUIREMENTS

- 1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION
- 2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION
- 3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
- 4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- 5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
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- TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL. THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
- . TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 325 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.



SC-310 ISOLATOR ROW PLUS DETAIL



INSPECTION & MAINTENANCE

PECT GOLATOR ROW PLUS FOR SERMINTS

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REMONED COVER FROM STRUCTURE AT UPSTREAM END OF SEOLATOR ROW PLUS

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() FOLLOW OF REGULATIONS FOR CONFIRMED SPACE ENTRY

() FOLLOW

B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS

A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN VACUUM STRUCTURE SUMP AS REQUIRED.

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- 2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY









PART TYPE	ITEM ON DESCRIPTION		INVERT*	MAX FLOW
PREFABRICATED EZ END CAP	A	24" BOTTOM PREFABRICATED EZ END CAP, PARTW: SC800ECEZ / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	2.30"	
PRE-CORED END CAP	B	12" TOP PRE-CORED END CAP, PART#: SC800EPE12TPC / TYP OF ALL 12" TOP CONNECTIONS	14.40*	
PRE-CORED END CAP	С	12" BOTTOM PRE-CORED END CAP, PART#: SC#00EPE12BPC / TYP OF ALL 12" BOTTOM CONNECTIONS	1.60"	
FLAMP	D	INSTALL FLAMP ON 24" ACCESS PIPE / PARTIE SCB0024RAMP		
MANIFOLD	E	12" x 12" TOP MANIFOLD, ADS N-12	14.40*	
PIPE CONNECTION	F	12" BOTTOM CONNECTION	1.60*	
INLET BASIN 'A13'	0	CASTING = 756.2. PROP. 12" INV (N&S) = 750.50. PROP 8" INV (W) = 750.5.	5000	3.24 CFS IN
YARD BASIN "A12" THIS SHEET	н			2.35 CFS OUT
UNDERDRAIN	1	6" ADS N-12 DUAL WALL PERFORATED HOPE UNDERDRAIN		

SC-800 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH SC-800.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENI COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LIFFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) ONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ACT NETSON STANDARD PRACTICE FOR STRUCTURAL DESIGN OF PERROPLASTE OF CORPILATE WAS INSTRUMATED LOLECTION OF LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTRAFTANEOUS (= 1 MN) AASHTO DESIGN TRUCK LIVE LOAD OR MINIBUM COVID MAXIMUM PERMANENT (75-YIS) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-NEC) ASHTO DESIGN TRUCK.
- 7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
 TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS.
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- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:

 - DELUREING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:

 THE STRUCTURE AVAILATION SHALL BE SALLD BY A REAT THE DIFFEY FACTORS ARE GRAFET THAN OR EQUAL TO 1.05 FOR DEAD LOAD AND 1.75 FOR LUYE LOAD. THE MARKET FACTORS ARE GRAFET THAN OR EQUAL TO 1.05 FOR DEAD LOAD AND 1.75 FOR LUYE LOAD. THE MAINING MERCHAND FOR THE MARKET FACTORS AND BY SECTIONS 3 AND 12.12 OF THE AMSHTO LEYD BRODGE DESIGN SPECIFICATIONS FOR THERMORPHICATED PIPE.

 THIS TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTIN F244 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE IN TS-YEAR MODULUS BY THE SHALL BE USED FOR DESIGN FERRORS.
- 9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY
- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDAGE MANIFOLD COMPONENTS IN THIS FIELD.
- ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-800 SYSTEM

- STORMTECH SC-800 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- 2. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS STORMECH RECOMMENDS 3 BACKFILL METHODS:

 STONESHOOTER LOCATED OF THE CHAMBER BED.

 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- 4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

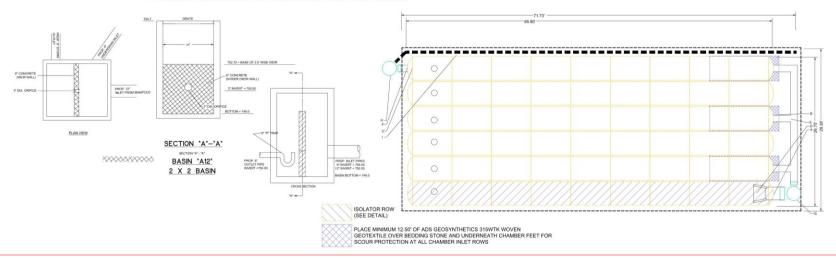
- STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".

- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-800 CHAMBERS IS LIMITED:

 NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 NO RUBBER THEE LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE.
- WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE
- 3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPIN

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD, ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMEN









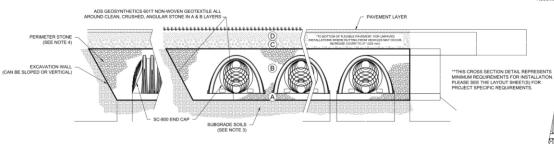
ACCEPTABLE FILL MATERIALS: STORMTECH SC-800 CHAMBER SYSTEMS

	MATERIAL LOCATION	MATERIAL LOCATION DESCRIPTION		COMPACTION / DENSITY REQUIREMENT	
D	FINAL FILL: FILL MATERIAL FOR LAYER TO STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXBLE PAVEMENT FOR LIPPAVIE, FINSHED GRADIC ABOVE, NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE TO LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAYEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS, PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.	
С	INITIAL FILL FALL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B' LAYER) TO 15' (375 mm) ABOVE THE TOP OF THE CHASSIER NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145' A-1, A-2-4, A-3 OR AASHTO M63' 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE OVMBERS IS REACHED COMPACT ADDITIONAL LAYERS IN 15 TO A INIS SP. PROCTOR DESIRY FOR YELL GRADED MATERIAL AND 95% REACHED ENSIFY FOR YELL GRADED MATERIAL AND 95% REACHED ENSIFY FOR YELLOW DESIRY FOR THE OFFICE AND STATE OF THE OFFICE AND THE OFFICE	
В	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE ⁵	AASHTO M43* 3, 367, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.	
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONGRETE ⁶	AASHTO M43* 3, 367, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE 2.3.	

- REARE NOTE.

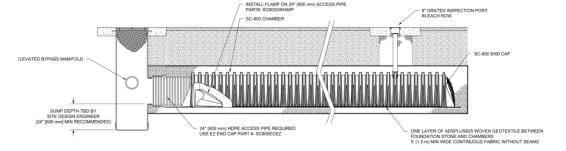
 THE LISTED AND TO DESIGNATIONS ARE FOR GRACHTONS ONLY THE STORE MIGHT ALSO BE CLEAN, CRUSHED ANGUAR FOR EXAMPLE, A SPECIFICATION FOR HIS TONE WOLD, STATE: "CLEAN, CRUSHED, ANGUAR HIS 4 (AMINTO MIS) STORE".

 WHERE HIS TRATION INSPECIES MAY BE COMPROLISED BY COMPACTION, FOR STANDARD CHESTIAN CONTROL STORMSTON HIS THROUGH CHESTIAN CONTROL STORMSTON HIS THRO



NOTES:

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NOMINAL CHAMBER SPECIFICATIONS SIZE (W X H X INSTALLED LENGTH)

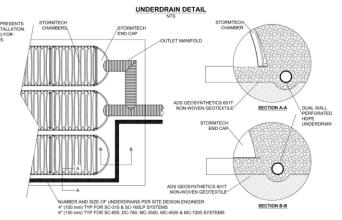
51.0" X 33.0" X 85.4" (1295 mm X 838 mm X 2169 mm) CHAMBER STORAGE 50.6 CUBIC FEET MINIMUM INSTALLED STORAGE 78.4 CUBIC FEET 81.8 lbs.

NOMINAL END CAP SPECIFICATIONS SIZE (W X H X INSTALLED LENGTH)

46.5" X 32.6" X 10.5" (1181 mm X 828 mm X 267 mm) 3.4 CUBIC FEET 14.7 CUBIC FEET

MINIMUM INSTALLED STORAGE 15.7 lbs.

* ASSUMES 6" (150 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS, 3" (75 mm) BETWEEN CHAMBERS
**ASSUMES 6" (150 mm) STONE ABOVE AND BELOW END CAPS, 3" (150 mm) BETWEEN ROWS, 12" (300 mm) BEYOND END CAPS



INSPECTION & MAINTENANCE

INSPECT ISOLATOR ROW FOR SEDIMENT

INSPECTION PORTS

REMOVE DOES IN ON THE PRISON THE THE PRISON THE

ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE IF SEDIMENT IS AT, OR ABOVE, 3" PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS

A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED APPLY MULTIPLE PASSES OF JETVAG UNTIL BACKFLUSH WATER IS CLEAN VACUUM STRUCTURE SUMP AS REQUIRED.

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION, ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS
- 2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY

























NOTE: ALL INTERIOR WINDOWS LOCATED WITHIN 1 HR FIRE-RATED CORRIDOR WALLS TO BE RATED 45-MINUTES.

ALL EXTERIOR WINDOWS: ALUMINUM STOREFRONT WITH TOP SECTION VENTED IN AND BOTTOM SECTION TO HAVE FIXED INSULATED GLASS WITH BLINDS BETWEEN THE GLASS. ALL OPERABLE PARTS TO BE REMOVEABLE WHEN NOT IN USE.



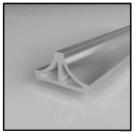




WEST BLDG. – LORAIN AVE. FACADE



1/3 TOP AWNING WITH EXTERIOR MUNTINS



MUTNTIN PROFILE



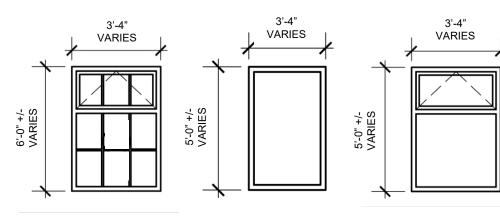
EXISTING
WINDOWS ON 1ST
FLOOR -LORAIN
AVE.



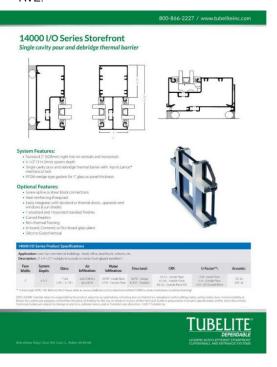
VENT OPENING IN



BLINDS BETWEEN GLASS







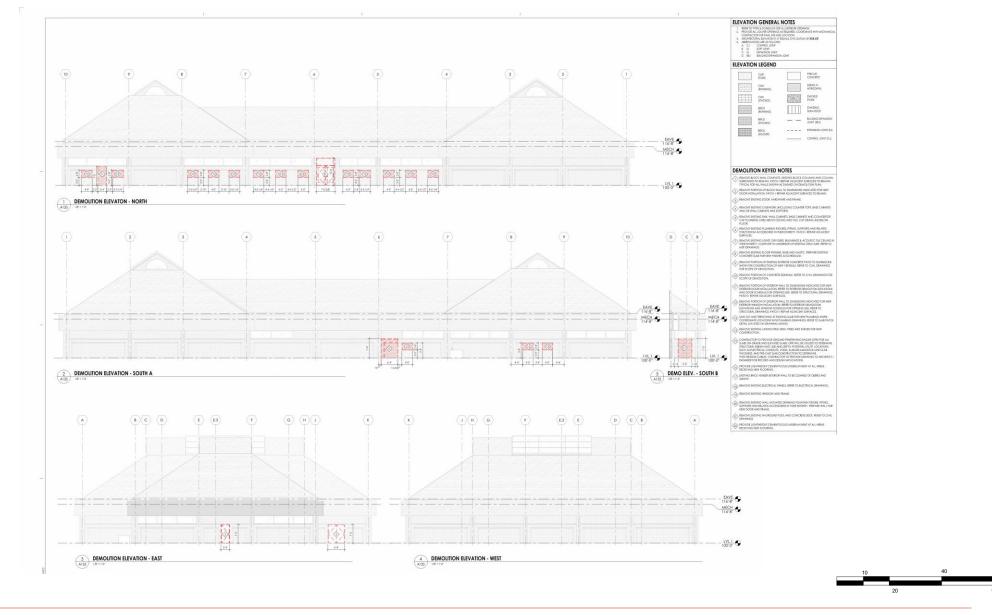








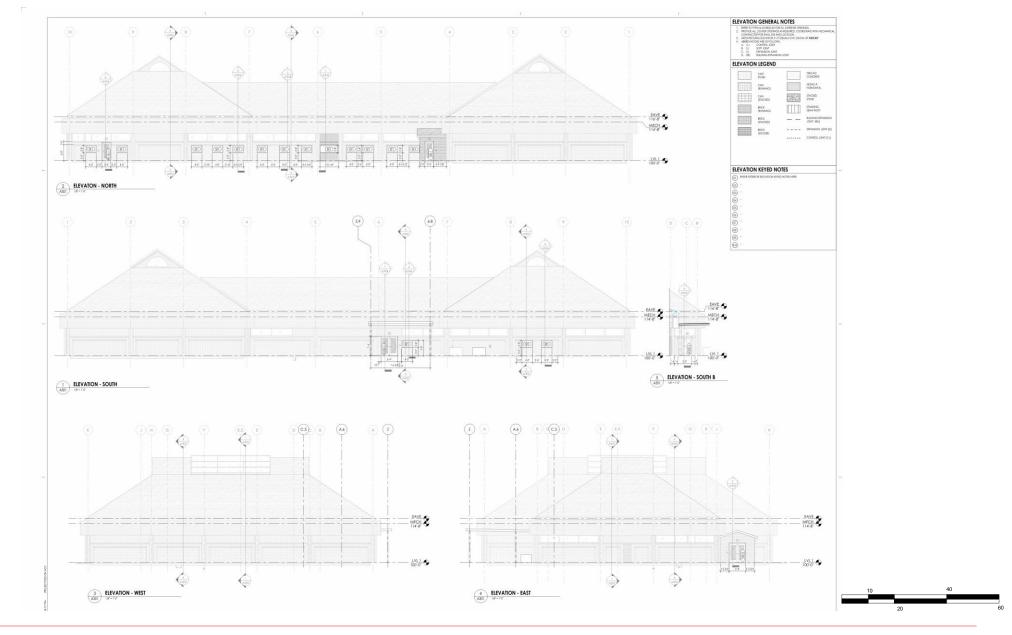








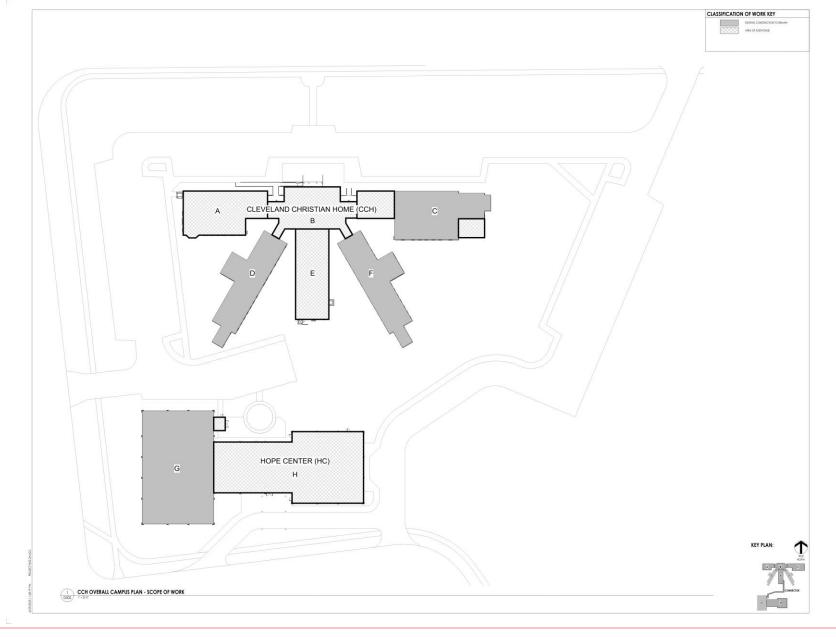












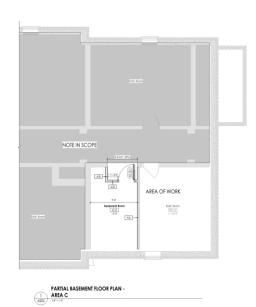


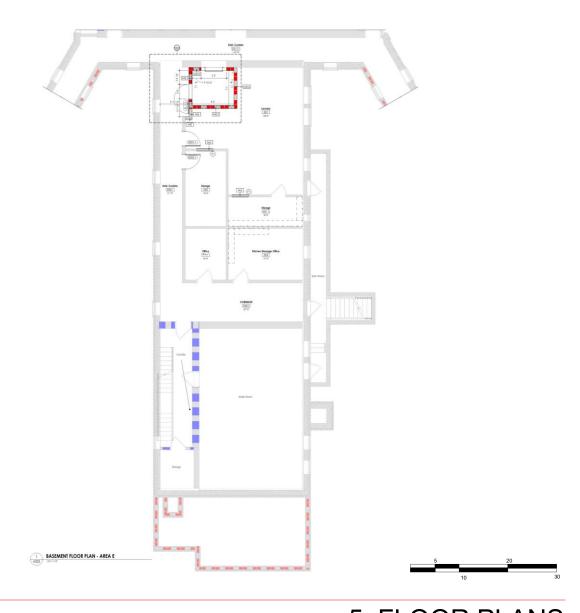




5. FLOOR PLANS BUILDING AREA DESIGNATION PLAN





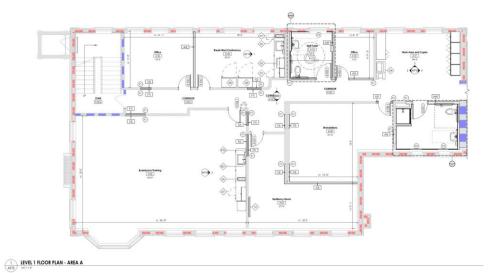


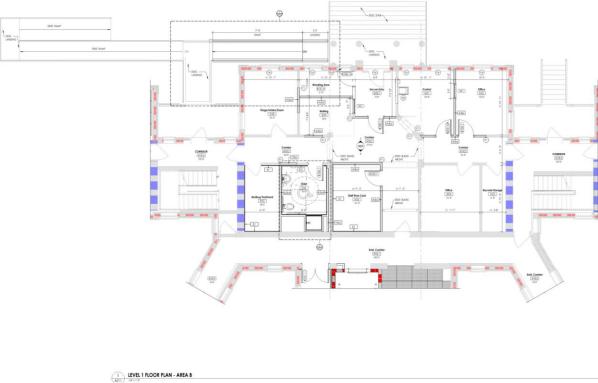












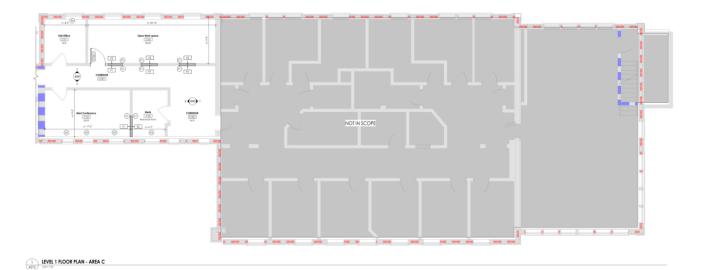


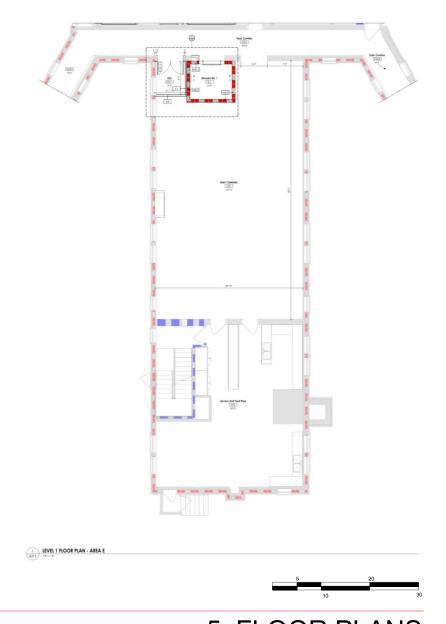










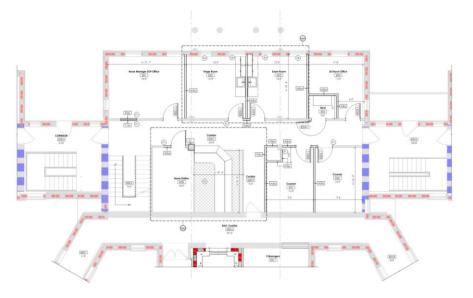




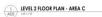








1 LEVEL 2 FLOOR PLAN - AREA B









5. FLOOR PLANS

BUILDING 1 –

CLEVELAND CHRISTIAN HOME

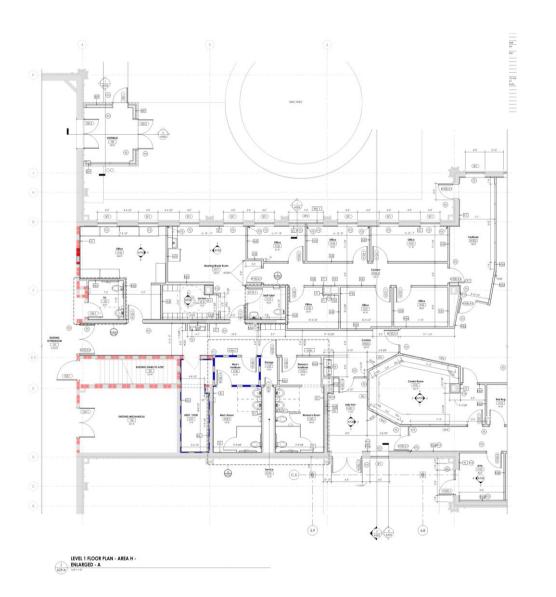
PLOOR PLAN KEYED NOTES (1) SOUTH WAS ALL PRESIDEN WITH SIGHE WAS LIKE (2) CORRECCION CHAY CHARGE WAVE, THE NET ON WITHOUT SIGH COMWITHOUT SIGHE WAS ALL PRESIDENCE OF CHAY WENCH, AND THE SIGHE WAS ALL PRESIDENCE OF CHAY AND THE SIGHE WAS ALL PRESIDENCE OF CHAY AND THE SIGHE WAS ALL PRESIDENCE OF CHAY COMMISSION CHAY CHARGE WAS ALL PRESIDENCE OF CHAY AND CHAY CHAY CHAY AND CHAY CHAY CHAY AND CHAY CHAY AND CHAY CHAY CHAY AND CHAY

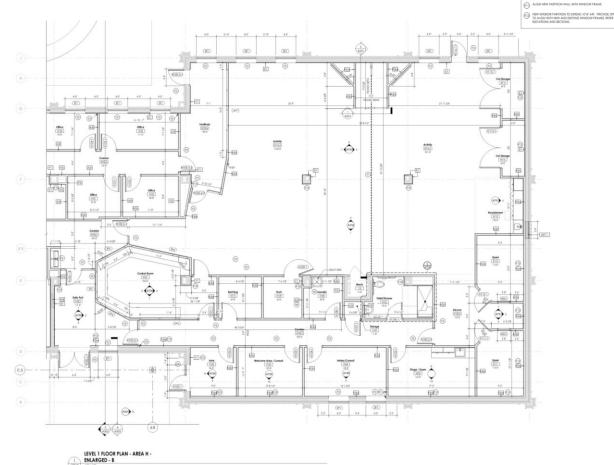


















FLOOR PLAN KEYED NOTES









6. CONCEPT RENDERINGS BUILDING 1 – CLEVELAND CHRISTIAN HOMES









6. CONCEPT RENDERINGS

BUILDING 2 –
HOPE CENTER FROM FIDELITY AVE.



Schematic Plan Review

October 23rd, 2025





Case 25-084

Schematic Plan Review

Cleveland Music School
Settlement/Magnolia-Wade Park
Historic District

The Music Settlement 1560 Mistletoe Drive

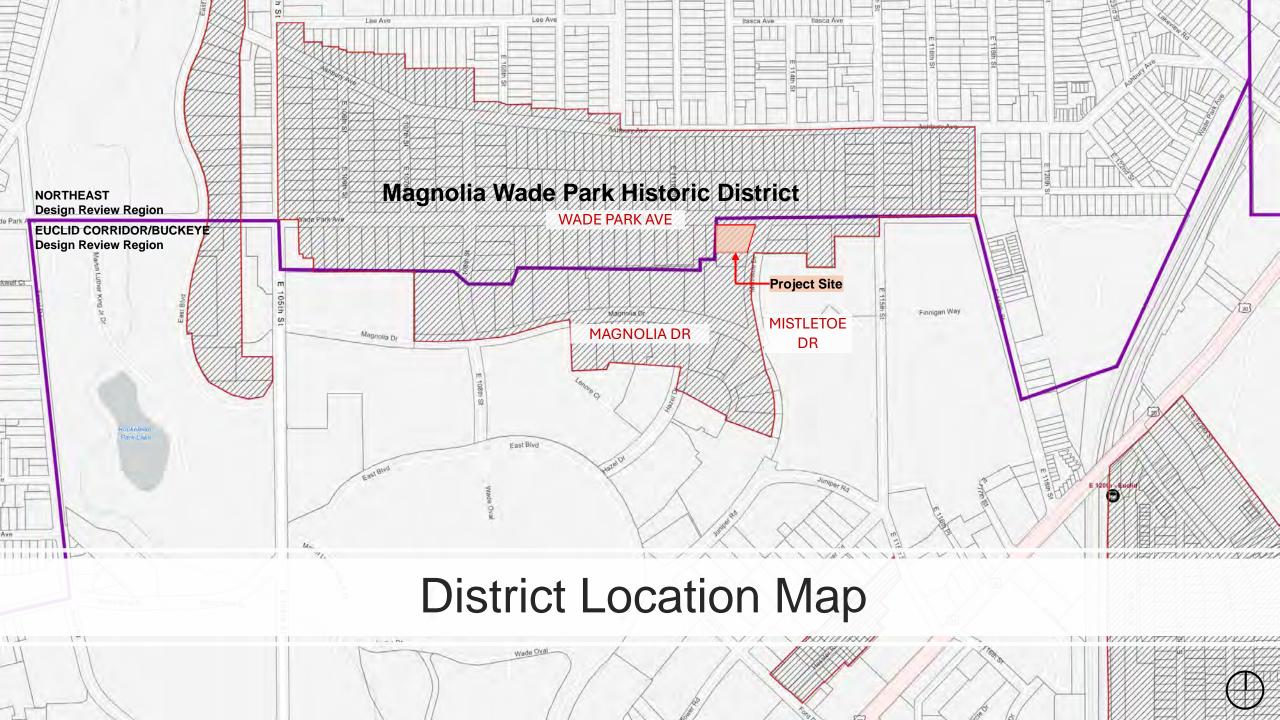
Renovation and Addition

Project Representatives: Peter Bohan, Perspectus Architecture Ward 9: Councilmember Conwell



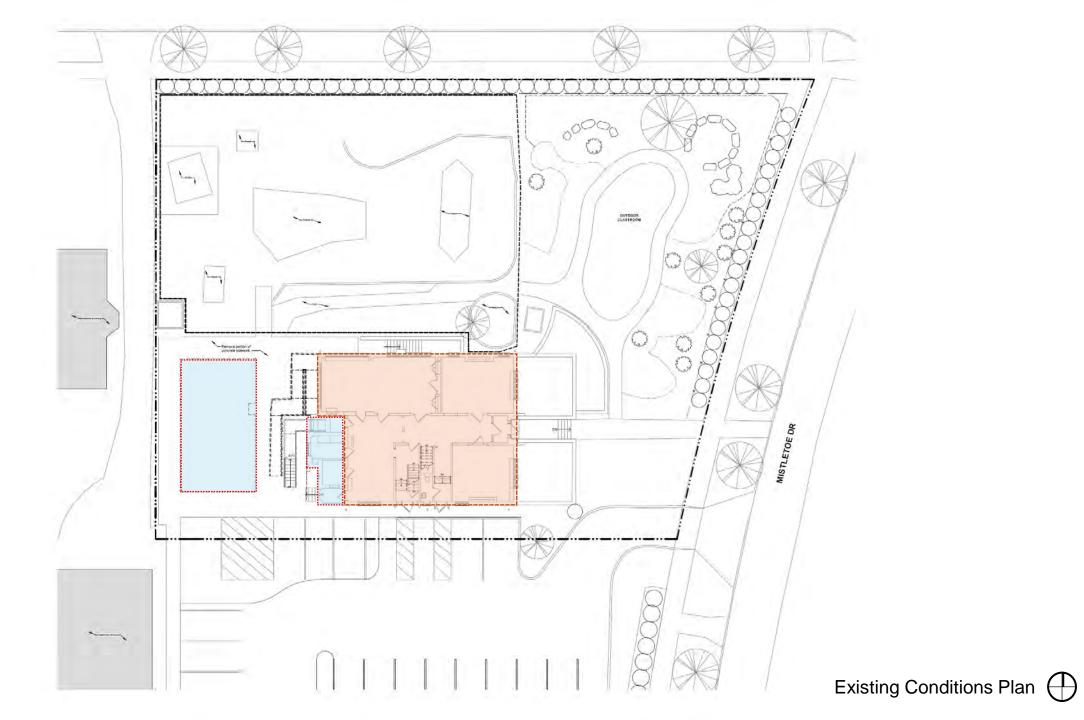








Site Context Plan











Nearby Buildings



Elements to be Demolished



Building Exterior

Exterior Materials and Features:

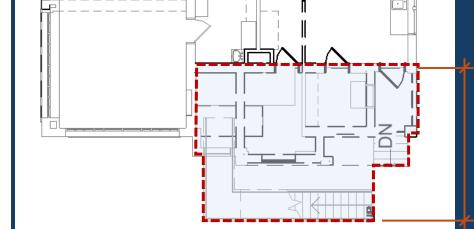
- Brick masonry exterior
- Existing wood windows
- Mansard roof with dormers
- Enclosed porch



Addition Removal

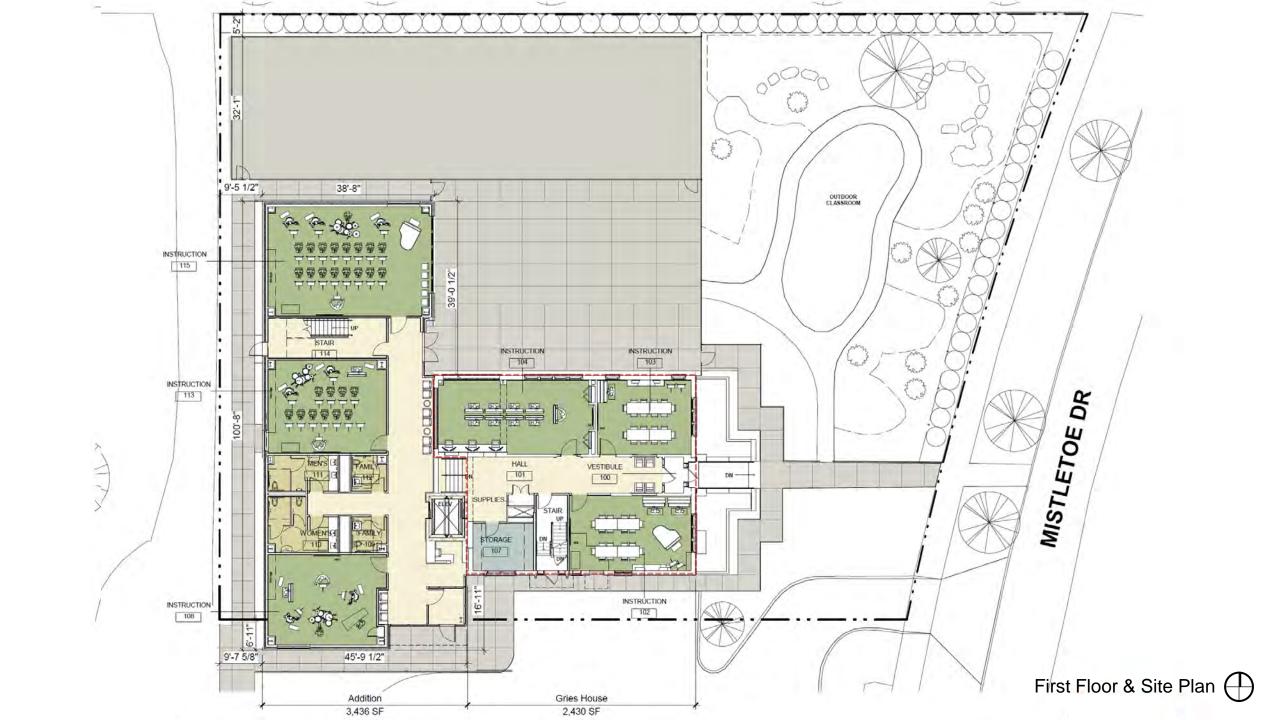
Materials and Features:

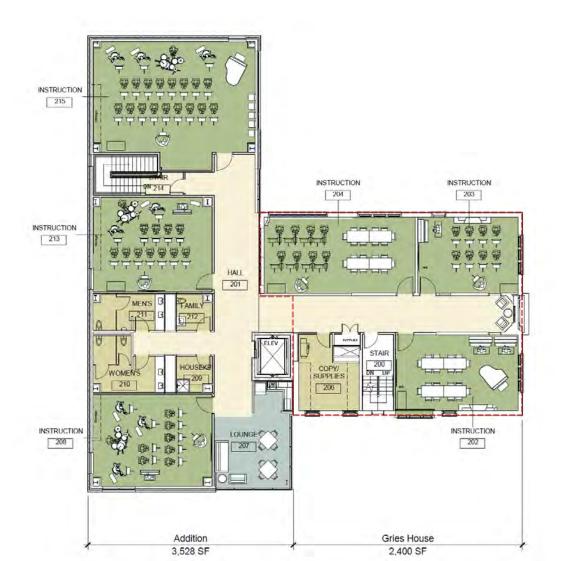
- Brick masonry exterior
- Shorter in height than the historic structure
- Added for egress

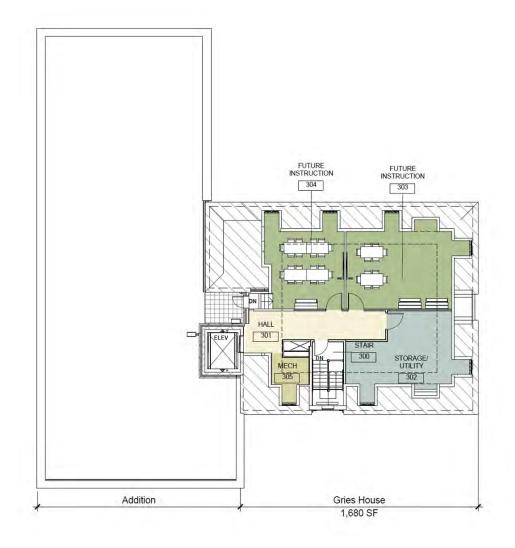


Later addition and modified portions of the structure to be removed.







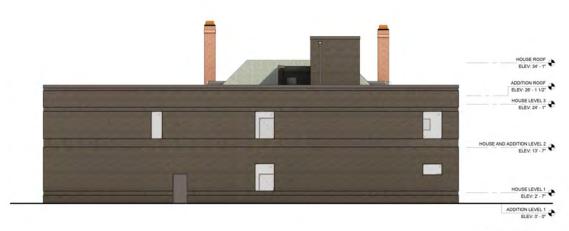














4 WEST ELEVATION













Proposed brick at Burke Mansion

Proposed brick at Early Childhood

Proposed brick at Gries House

Materials

Addition:

- Hebron Brick Company Onyx Ironspot Smooth
- New Storefront windows basis of design: Kawneer Trifab 451T
- Coping Metalera Aged Bronze

Existing House:

- Replacement brick to be determined, color to match existing house
- Replacement dormer window basis of design: Pella Traditional Reserve, wood clad aluminum window



Addition brick

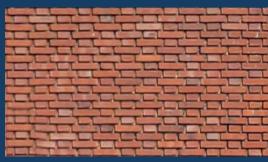


Addition storefront finish





Addition Coping color



Existing brick



House trim and window color





Trim and new window color on house to match building A, B, and C