TOWN OF CHAPIN
Architectural Review Board Regular Meeting
Council Chambers, Chapin Town Hall
September 10, 2025
6:00 PM

AGENDA

Call to Order and Determine Quorum

Statement of Freedom of Information Act Compliance

Approval of Minutes

1. August 6, 2025 Meeting Minutes

Public Comments related to agenda items

Action Items

2. Architectural Application Review
    a. TMS #000717-03-002, 133 Clark Street – Collo Rosso Dermatology
        i. Applicant Comments
        ii. Staff Comments
        iii. ARB Discussion
    b. TMS #000721-02-025, 207 Lexington Avenue – Medical Office
        i. Applicant Presentation
        ii. Staff Comments
        iii. ARB Discussion
    c. TMS #000721-02-024, 203 Lexington Avenue – Fifth-Third Bank
        i. Applicant Presentation
        ii. Staff Comments
        iii. ARB Discussion

Staff Updates

Adjourn

PUBLIC COMMENT POLICY

PROCEDURE:

Persons wishing to make public comments concerning items related to the current meeting agenda, with the exception of personnel and contractual matters, shall first sign in with the Municipal Clerk before the meeting and provide the following information:

1. Name, Address, and Contact Information;
2. Topic of Public Comment; and
3. Indicate whether a Chapin Resident, Chapin Water/Sewer Customer, or Reside in the Chapin Water/Sewer District.

Comments are limited to three (3) minutes per person and no personal or verbal attacks will be entertained. The Council is interested in hearing your concerns, but speakers should not expect action or deliberation on subject matter brought up during any Public Comments on the agenda. Topics requiring further investigation may be referred to Town Staff and may be scheduled for a future agenda.

DEFINITIONS:

Chapin Resident: Reside in Town limits.

Chapin Water/Sewer Customer: Customer of the designated Chapin Water/Sewer District - Including an owner or operator of a local business.

Reside in Chapin Water/Sewer District: Reside in the designated Chapin Water/Sewer District – Area of Lexington County north of Lake Murray.

APPEARANCE OF CITIZENS

Town Code 2.212 – Any citizen of the Town shall be entitled to be placed on the agenda of any regular meeting to discuss any municipal matter, with the exception of personnel and contractual matters. Persons desiring to be placed on the agenda shall notify the Municipal Clerk not less than a week prior to the meeting. The request shall be in writing stating the reason therefor.

TOWN OF CHAPIN
ARCHITECTURAL REVIEW BOARD
REGULAR MEETING MINUTES

Wednesday August 6, 2025 **Town Hall**
6:00 P.M.

Members Present: Member Gerald Meetze, Chair Jason King, Vice Chair Harmon Reed, Member Bryson Tucker

Members Absent: Member Daniel Powell

Staff Present: Municipal Clerk Shannon Bowers, Planning & Zoning Manager Reid Radtke, Town Administrator Nicholle Burroughs

Guests: Brittany Youngblood – McAdams Engineering, Tom Canerella – CES Engineers, Wade Bozeman – Owner, Carolina Wings, and Dan Sherer – Sherer & Associates LLC, Chad Lindler – Chapin Commercial Construction, Lukas Braun – Keith Corporation

Call to Order: Chair King called the meeting to order at 6:07 p.m., determined there was a quorum, and acknowledged the appropriate notifications in compliance with the SC Freedom of Information Act had been met.

Before continuing, Administrator Burroughs requested the chair to consider re-ordering the agenda for efficiency and clarification of agenda items. She suggested the agenda be amended to review the preliminary items first, beginning with the Clark Street Medical Office, Carolina Wings, and Express Oil, and ending with the full application for the Publix Outparcel 3. Vice Chair Reed moved to amend the agenda as requested. Member Tucker seconded the motion. Motion passed unanimously.

Chair Jason King: Yes
Vice Chair Harmon Reed: Yes
Member Gerald Meetze: Yes
Member Bryson Tucker: Yes

Approval of minutes: Member Meetze moved to approve the June 11, 2025 meeting minutes as presented. Member Tucker seconded the motion. No further discussion, motion passed unanimously.

Chair Jason King: Yes
Vice Chair Harmon Reed: Yes
Member Gerald Meetze: Yes
Member Bryson Tucker: Yes

Public Comments Related to Agenda Items
There were no public comments

DRAFT

Discussion Items

Preliminary Review - Collo Rosso Dermatology: Before beginning, Member Tucker and Vice Chair Reed had professional conflict with this development and recused themselves from discussion.

Chad Lindler with Chapin Commercial Construction began the discussion by stating that the digital copy provided in the agenda packet was not complete and did not reflect the most current information. He provided a copy of the most up-to-date plans to the Architectural Review Board (ARB) at the meeting. He then explained the changes that were noted from the staff report which included colors of the building were chosen from the approved color palette (Reliable White and Urbane Bronze), window sizes and setbacks confirmed on updated copy, exterior screenings to match the building materials, open space requirements met at 5%, and pitched roof elements as the building is less than 10,000 square feet.

The ARB then reviewed the updated information and indicated they wanted to see the retaining fence around the retention pond removed and include more landscaping around pond, including a sidewalk entrance to Lexington Avenue, and would prefer a gable as an architectural element on the front entrance. Staff indicated that a full lighting plan to include pole heights, exterior lighting specs, and photometrics would be required for full submittal 21 days in advance of the next scheduled meeting.

Applicant indicated that solar panels were an option they were exploring and inquired whether that would be required as well. Staff indicated that if solar panels were included in the plans at full submittal they would be reviewed for compliance at that time, otherwise could be reviewed by staff at a later date.

Preliminary Review – Carolina Wings: Dan Sherer with Sherer & Associates, LLC began the discussion by stating a new version of the plans have been updated to reflect the most recent changes, and provided a copy of those changes to the ARB at the meeting. He explained that the building design had been updated to include more brick elements, with an all brick base around the building, adjusted window glazing to meet the 30% UDO requirement, updated exterior colors to ones on the approved color palette, removed aluminum caps and changed roof height along the front facade, updated dumpster screening to be block enclosure with brick and landscaping, adjusted landscaping plan and pedestrian walkways based on Planning Commission comments, and adjusted the exterior ladder access to include interior gutters and down spouts with landscaping to conceal ladder access.

The ARB then reviewed the updated information and indicated that they would need to see building mounted equipment specs, property lighting, and photometrics and would like the metal panels to be coordinated with approved colors, possibly brown in color. The applicant asked about the roof height and if the ARB had a preference from the original design to new design. The ARB indicated they would accept either option for roof height.

DRAFT

Staff then indicated that new building colors would be verified for compliance and all package documents, including a full lighting plan would be required for a full submittal to the ARB 21 days in advance of the next meeting. Administrator Burroughs concluded the discussion by stating that the property owners of these parcels have been very communicative regarding interconnectivity, and the Planning Commission would be following up with the full site plan to confirm entrances and access points are consistent across the development.

Preliminary Review – Express Oil: Brittany Youngblood with McAdams Engineering began the discussion by stating the Express Oil would consist of two buildings, full service building closest to Columbia Avenue and an express service building in the rear of the property. The first building is designed to fit the zoning ordinances that prioritizes the view from Columbia Avenue and resembles an entrance, while the function entrance will be on the back side of the building. Administrator Burroughs also commended the Express Oil and Brittany for taking the time to sit down with staff to design the building to address the site constraints in conjunction with the code. Ms. Youngblood noted that the plans have been updated, and provided a copy for review to the ARB at the meeting. This plan included updates to all mechanical equipment will be ground mounted and screened using the same as the principal building, parking spaces are three short, but business does not require much parking, window glazing has been updated to be code compliant, and sidewalks have been added connecting building one and two.

The ARB then reviewed the information with the updated renderings and indicated they would like to see an agreement with other property owners for shared overflow parking, change the color of the metal slats in the garage bay doors to an urban bronze or similar color to match the darker brick, would prefer a shingled roof in the same color as renderings, and coordinated site lighting with the rest of the development, not to include wall packs.

Staff indicated that a full lighting plan with spec sheets for building lighting and site lighting, pole heights, and photometrics will be required for full submittal, 21 days in advance of the next scheduled meeting.

Action Items

Architectural Application Review - Publix Outparcel 3: Lucas Braun with the Keith Corporation presented this project on behalf of the owners and provided an updated copy of the renderings to the ARB at the meeting. He then began the presentation by stating the window glass has not been selected at this time, but believes it to be at least 40% glazing and would be transparent, extended pedestrian sidewalk along the Mavis Tire side with a crosswalk connecting the two, provided specs on the open space requirements, provided depth information on the building columns and brick samples to indicate different materials.

The ARB then reviewed the information with the updated renderings and indicated they would need to see more concise drawings of the columns to confirm bump out depths, glass metal frames to match darker brick color, landscape front drainage to match side landscaping and dumpster area, confirmation of colors to be compliant with approved color palette, and a full lighting plan to include wall sconce cut sheets, photometrics, and updated materials to parking lot poles with confirmation on height to match the current development.

DRAFT

Member Meetze made the motion to table the decision until the next meeting. Member Tucker seconded the motion. No further discussion, motion to table decision passed unanimously.
Chair Jason King: Yes
Vice Chair Harmon Reed: Yes
Member Gerald Meetze: Yes
Member Bryson Tucker: Yes

Staff Updates

Mr. Radtke indicated the Planning Commission has requested clarification on the amendments to the UDO regarding roof parapets and when they are allowed. Administrator Burroughs continued by stating this was discussed at length at the last meeting and instructed the ARB to provide options and specific recommendations for review at the next meeting.

Staff then gave updates on the site plans for development of the McAllister's property and recently completed development projects.

Adjournment: Member Meetze moved to adjourn the meeting. Member Tucker seconded the motion. Meeting adjourned at 7:52 p.m.

ARB APPROVED (Date): _____

Attest:

_____ _____

Shannon Bowers, Town Clerk Jason King, ARB Chair

DRAFT

Staff Evaluation Dermatology
Final

To: Architectural Review Board
From: R. Radtke, Planning & Zoning Manager
Date: August 21, 2025
Re: Collo Rosso Dermatology

Property Location: 133 Clark St.
Tax Map Number: 000717-03-002
Property Zoning District: Town Center (TC)
Property Overlay District: Downtown
Applicant: Chad Lindler

This commercial development is proposed for development of a Dermatology office (6880 SF) within the Town Center district. Property is 1.43 AC and is in the Downtown Overlay District. Owner is currently working with the Town staff on preliminary plans.

Updates and changes have been made from recommendations from the preliminary review. Staff has reviewed with the requirements of the Town's Zoning Ordinance.

The following items have been addressed from recommendations:

- In compliance - Exterior color of building that are approved color pallet list. Brick colors are listed as; Reliable White 6091 and Urbane Broze 7048. **6.11.3.C.3.**
- ARB preferred darker colors on exterior – No Change. In Compliance.
- ARB performed gable as an architectural element front entrance. No Change. In compliance.
- Updated window material and size need clarification. See A2 & A5 **(6.11.3.c)**
- Landscaping - additional scrubs around detention pond and removed fence.
- Included sidewalk entrance to Lexington Ave.

Staff recommends that the application of Collo Rosso Dermatology be issued a certificate of appropriateness on condition of ARB approval.

1 CLARK ST. PERSPECTIVE
12" = 1'-0"

2 OLD LEXINGTON PERSPECTIVE
12" = 1'-0"

3 SOUTH PERSPECTIVE
12" = 1'-0"

4 WATER ST. PERSPECTIVE
12" = 1'-0"

CHAPIN
COMMERCIAL CONSTRUCTION

PROPOSED BUILDING FOR
COLLO ROSSO DERMATOLOGY

133 CLARK STREET
CHAPIN, SOUTH CAROLINA 29036

REV.	DATE	COMMENT

RENDERINGS

08/19/2025

A3

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6911 TOTAL PERIMETER

1451 TOTAL HARDIE BOARD & BATTEN = 21%

4,495 TOTAL BRICK = 65%

965 TOTAL ALUM. STOREFRONT = 14%

1 WEST ELEVATION
1/8" = 1'-0"

2 WATER ST (NORTH) ELEVATION
1/8" = 1'-0"

3 CLARK ST. (EAST) ELEVATION
1/8" = 1'-0"

4 SOUTH ELEVATION
1/8" = 1'-0"

Exterior Paint Schedule

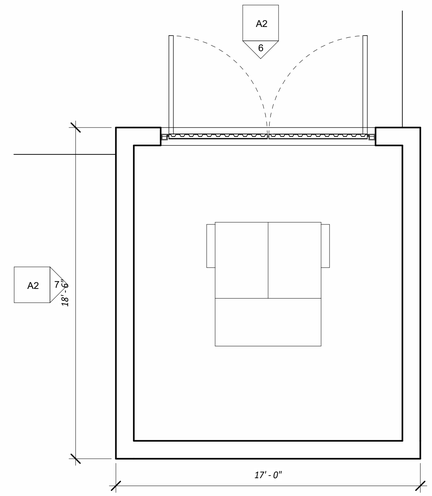
Project: Collo Rosso

Main Brick Color:

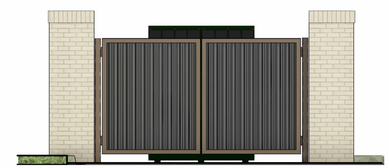
Area	Name	Brand	Image
Main brick color	Reliable White SW 6091	Sherwin Williams	

Accent Brick Color:

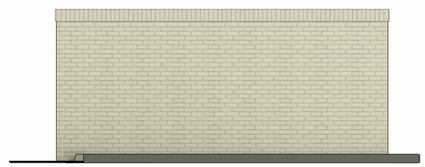
Area	Name	Brand	Image
Main Entry, Window Accents	Urbane Bronze SW 7048	Sherwin Williams	



5 DUMPSTER ENCLOSURE
1/4" = 1'-0"



6 DUMPSTER ENCLOSURE FRONT
1/4" = 1'-0"



7 DUMPSTER ENCLOSURE SIDE
1/4" = 1'-0"

CHAPIN
COMMERCIAL CONSTRUCTION

PROPOSED BUILDING FOR
COLLO ROSSO DERMATOLOGY

133 CLARK STREET
CHAPIN, SOUTH CAROLINA 29036

REV.	DATE	COMMENT

08/19/2025

EXTERIOR ELEVATIONS

A2

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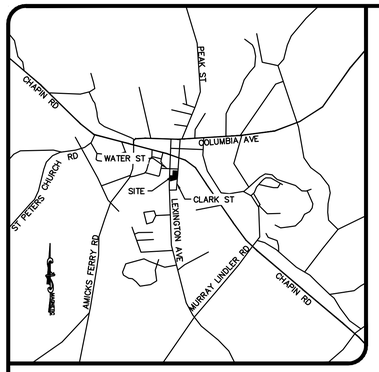


LOCATION MAP
N.T.S.

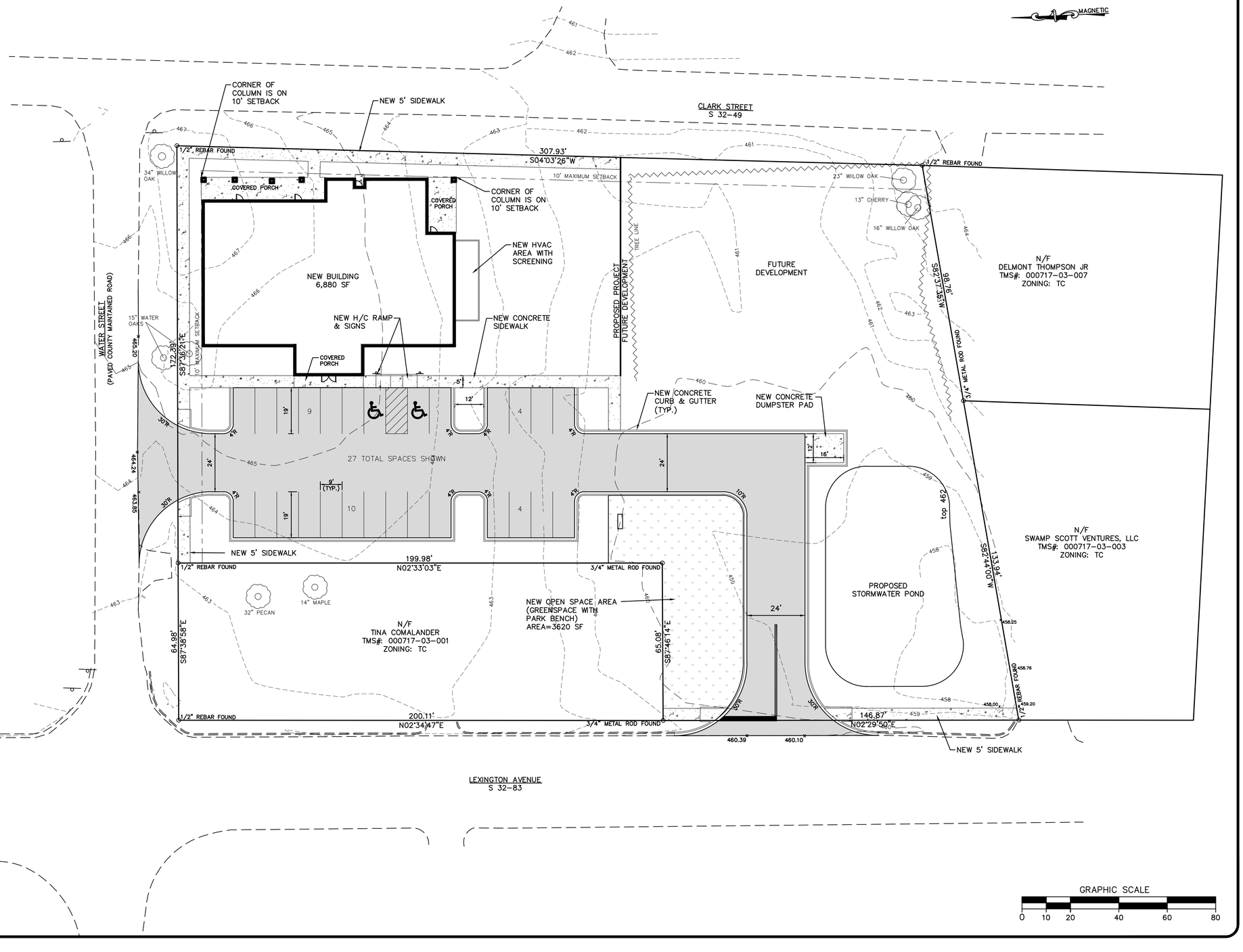
OCRM (OCEAN AND COASTAL RESOURCE MANAGEMENT) EXEMPTION
OCRM APPROVAL IS ONLY REQUIRED FOR THE FOLLOWING COASTAL COUNTIES: BEAUFORT, BERKELEY, CHARLESTON, COLLETON, DORCHESTER, GEORGETOWN, HORRY, AND JASPER

FLOOD STATEMENT:
I HEREBY CERTIFY THAT I HAVE CONSULTED THE FEMA FLOOD INSURANCE RATE MAP NUMBER 45063C0040J, EFFECTIVE 7/5/2018, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, NO PORTION OF THE SUBJECT PROPERTY IS LOCATED IN ANY FLOOD ZONE INCLUDING ALL VARIATIONS OF A AND V.

OPEN SPACE	
REQUIREMENT:	5%
TOTAL AREA:	1.43 AC. OR 62,291 SF
AREA REQUIRED:	3115 SF
AREA PROVIDED:	3620 SF

OWNER:	COLLO ROSSO PROPERTIES LLC 133 CLARK STREET CHAPIN, SC 29036 PH: 803-834-9000 EMAIL: curtis.hardy@me.com CONTACT: CURTIS LAMAR HARDY
TMS:	000717-03-002
TOTAL AREA:	1.43 AC.
DISTURBED AREA:	1.4 AC.
ZONING:	TC
USE:	MEDICAL OFFICE
BUILDING SIZE:	6,880 SF
PROVIDED PARKING:	27 SPACES

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



GRAPHIC SCALE
0 10 20 40 60 80

HB Engineering
SITE DEVELOPMENT CONSULTANTS
720 OLD CHEROKEE ROAD
LEXINGTON, SOUTH CAROLINA 29072
803-957-7027 FAX 877-728-0808

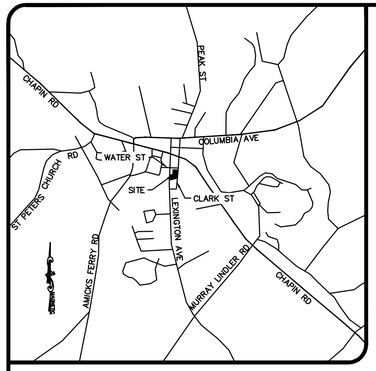
COLLO ROSSO DERMATOLOGY
CLARK ST.
TOWN OF CHAPIN
SOUTH CAROLINA

No.	Date	Revision
1	8/19/25	ARB Comments

Sheet Title:
PRELIMINARY SITE PLAN

Drawn by:	TB
Designed by:	TB
Checked by:	TB
Scale:	1"=20'
Project No.	25146
Date:	6/24/25

Sheet C1 of 2
Drawing No.



LOCATION MAP
N.T.S.

OWNER:	COLLO ROSSO PROPERTIES LLC 133 CLARK STREET CHAPIN, SC 29036 PH: 803-834-9000 EMAIL: curtis.hardy@me.com CONTACT: CURTIS LAMAR HARDY
TMS:	000717-03-002
TOTAL AREA:	1.43 AC.
DISTURBED AREA:	1.4 AC.
ZONING:	TC
USE:	MEDICAL OFFICE
BUILDING SIZE:	6,880 SF
PROVIDED PARKING:	27 SPACES

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

MAGNETIC

SANITARY SEWER MANHOLE
RIM EL. 465.04'
6" PVC IE. IN 456.80'
6" PVC IE. OUT 456.41'

INV. 460.20
15" RCP
INV. 459.70

SANITARY SEWER MANHOLE
RIM EL. 465.47'
6" PVC IE. IN 455.15'
6" PVC IE. OUT 454.78'

CLARK STREET
S 32-49

1/2" REBAR FOUND
307.93'
S04°03'26"W
1/2" REBAR FOUND

TBM MAG NAIL FOUND
N 848,321.80'
E 1,894,324.76'
ELEV: 465.44'

15" WATER OAKS
122.39'
S87°36'21"E

EXISTING TREE TO BE REMOVED (TYP.)

34" WILLOW OAK
18" SWEETGUM
15" CHERRY
24" PECAN
40" SWEETGUM
32" PECAN
14" MAPLE

23" WILOW OAK
13" CHERRY
16" WILLOW OAK

N/F
DELMONT THOMPSON JR
TMS#: 000717-03-007
ZONING: TC

S82°13'45"W
97.81'

EXISTING WOODED AREA

3/4" METAL ROD FOUND

WATER STREET
(PAVED COUNTY MAINTAINED ROAD)

199.98'
N02°33'03"E
1/2" REBAR FOUND
EXISTING FENCE
3/4" METAL ROD FOUND

64.98'
S87°38'58"E

65.08'
S87°46'14"E

N/F
TINA COMALANDER
TMS#: 000717-03-001
ZONING: TC

N/F
SWAMP SCOTT VENTURES, LLC
TMS#: 000717-03-003
ZONING: TC

S82°44'00"W
133.94'

TREE LINE

EX-DI
RIM 462.98
INV IN 460.22
INV. IN 460.24
INV OUT 460.19

EX-DI
RIM 462.97
INV OUT 460.30

1/2" REBAR FOUND
200.11'
N02°34'47"E
3/4" METAL ROD FOUND
146.87'
N02°29'50"E
1/2" REBAR FOUND

GAS STUB UP

INV. 458.00
18" RCP
INV. 458.40

EX-DI
RIM 459.22
INV IN 455.55
INV. IN 455.94
INV OUT 455.51

TBM ARROW ON FIRE HYDRANT
N 847,924.30'
E 1,894,089.34'
ELEV: 460.36'

18" RCP

EX-DI
RIM 459.82
INV. IN 454.69
INV. OU 454.65

INV. 455.80

LEXINGTON AVENUE
S 32-83

GRAPHIC SCALE
0 10 20 40 60 80

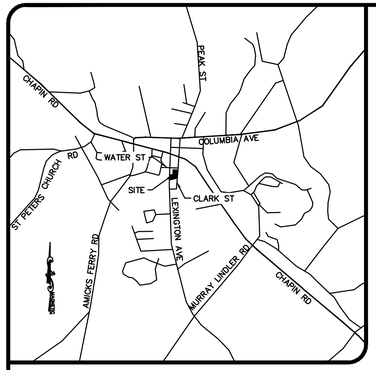
HB Engineering
SITE DEVELOPMENT CONSULTANTS
720 OLD CHEROKEE ROAD
LEXINGTON, SOUTH CAROLINA 29072
803-957-7027 FAX 877-728-0808

COLLO ROSSO DERMATOLOGY
CLARK ST.
TOWN OF CHAPIN
SOUTH CAROLINA

No.	Date	Revision

Sheet Title:
EXISTING CONDITIONS/ DEMO PLAN

Drawn by:	TB
Designed by:	TB
Checked by:	TB
Scale:	1"=20'
Project No.	25146
Date:	6/24/2025
Sheet	C2
of	2
Drawing No.	



LOCATION MAP
N.T.S.

PLANTING SCHEDULE

QUANTITY	SYMBOL	COMMON NAME	SIZE	SPACING	CALIPER
6		WILLOW OAK	10'	n/a	2.5"
14		FRUITLESS SWEETGUM	10'	n/a	2.5"
22		DWARF YAUPON HOLLY	24"	5'	*
18		LOROPETALUM DARUMA	24"	5.	*
28		PODOCARPUS PRINGLE	24"	5'	*
17		WAX MYRTLE	24"	5'	*

* NOT APPLICABLE IN THIS CASE
** TRELLISED TO FENCE

NOTES:
1. SOIL IN PLANTING BEDS SHOULD BE AMENDED WITH ORGANIC MATERIAL AS APPROPRIATE FOR PROPER GROWTH OF PLANT MATERIALS. A SOILS TEST IS RECOMMENDED.
2. ALL PLANTING BEDS WILL BE MULCHED WITH A HARDWOOD OR PINESTRAW MULCH.

REQUIRED TREE MITIGATION:

TREE TYPE	REPLACEMENT % OF CALIPER INCHES	OR	COST PER CALIPER INCH*
CANOPY:	33%		$10/INCH
SIGNIFICANT:	50%		$50/INCH
HISTORIC:	50%		$100/INCH

* IF TREE REPLACEMENT IS NOT POSIBLE

SITE TREES REMOVED:

TREE	DESIGNATION	REPLACEMENT INCHES NEEDED	MITIGATION
40" SWEETGUM	HISTORIC	20"	(8) 2.5-INCH SWEETGUM
18" SWEETGUM	SIGNIFICANT	9"	(4) 2.5-INCH SWEETGUM
15" CHERRY	CANOPY	5"	SAVING EXISTING 13" CHERRY
15" WATER OAK	CANOPY	5"	SAVING EXISTING 23" OAK
24" PECAN	CANOPY	N/A	–

LEXINGTON COUNTY SEEDING SCHEDULE

FROM MAY 1 – AUGUST 31
- 1 LB. BROWNTOPMILLET
- 2 LBS. HULLED BERMUDA
- 25 LBS. 10-10-10 FERTILIZER
- 75 LBS. LIMESTONE

OR
- 1 LB. BROWNTOPMILLET
- 1 LB. HULLED BERMUDA
- *2 LBS. BAHIA GRASS
- 25 LBS. 10-10-10 FERTILIZER
- 75 LBS. LIMESTONE

FROM SEPT. 1 – APRIL 30
- 2 LBS. ANNUAL RYE GRASS
- 1/2 LB. HULLED BERMUDA
- 1-1/2 LBS. UNHULLED BERMUDA
- 25 LBS. 10-10-10 FERTILIZER
- 75 LBS. LIMESTONE

OR
- 2 LBS. ANNUAL RYE GRASS
- 1/2 LB. HULLED BERMUDA
- 1 LB. UNHULLED BERMUDA
- *2 LBS. BAHIA GRASS
- 25 LBS. 10-10-10 FERTILIZER
- 75 LBS. LIMESTONE

OR
- 1 LB. ANNUAL RYE GRASS
- **3 LBS. FESCUE GRASS
- 25 LBS. 10-10-10 FERTILIZER
- 75 LBS. LIMESTONE

OR DEEP SANDY SOILS
- 2 LBS. BROWNTOPMILLET
- *3 LBS. BAHIA GRASS
- 25 LBS. 10-10-10 FERTILIZER
- 75 LBS. LIMESTONE

OR DEEP SANDY SOILS
- 1 LB. UNHULLED BERMUDA
- 2 LBS. RYE GRASS OR
- 2 LBS. GRAIN RYE
- *2 LBS. BAHIA GRASS
- 25 LBS. 10-10-10 FERTILIZER
- 75 LBS. LIMESTONE

ALL QUANTITIES OF GRASS LISTED ABOVE ARE PER 1,000 SQUARE FEET

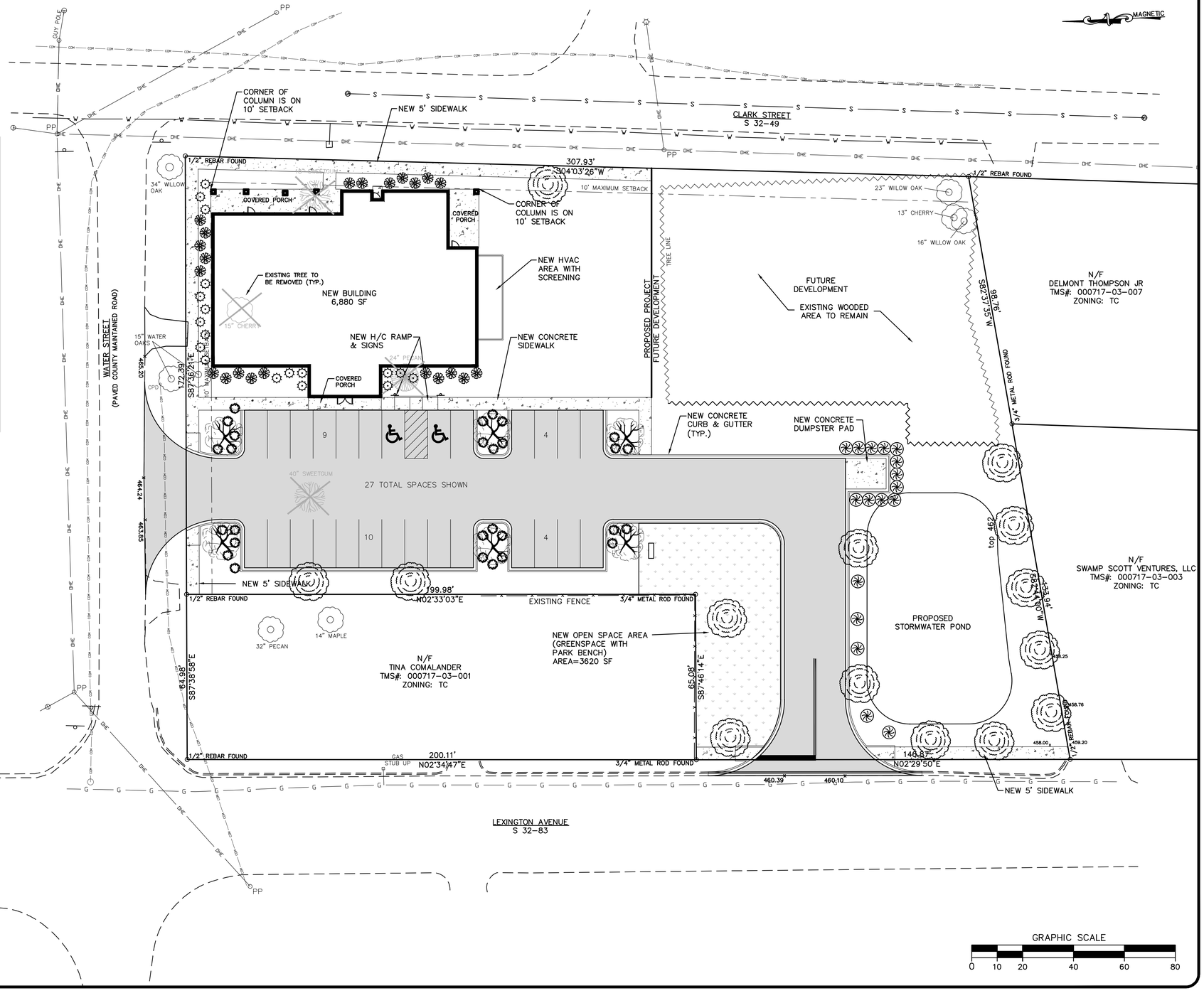
* AROUND OFFICE BUILDINGS AND WITHIN SUBDIVISIONS, USE 4 TO 6 OUNCES OF CENTIPEDE GRASS IN LIEU OF BAHIA GRASS OR IN COMBINATION WITH BERMUDA GRASS.

** FOR SOILS WITH CLAY SUBSOIL. DO NOT PLANT IN SANDY SOILS.

NOTES:
1. ON ALL VEGETATED SWALES OR DITCHES WITH SIDE SLOPES (CUT OR FILL) STEEPER THAN 2:1 ADD 4 TO 6 OZS. /1,000 SQUARE FEET OF WEEPING LOVE GRASS SEED TO ANY OF THE ABOVE MIXTURES.
2. SWALE AND DITCH BOTTOMS SHOULD BE DOUBLE SEEDED. ALSO ALL SIDE SLOPES STEEPER THAN 2:1 SHALL BE HYDROSEEDED.
3. ALL SLOPES STEEPER THAN 2:1 SHALL BE HYDROSEEDED.
4. GROWTH OF RYE GRASS IN EARLY SPRING MUST BE SUPPRESSED TO PREVENT RYE FROM CHOKING OUT PERMANENT GRASS SUCH AS BERMUDA, BAHIA OR FESCUE.
5. PRIOR TO FINAL INSPECTION DISTURBED AREAS NOT COVERED BY PAVEMENT OR BUILDINGS SHALL HAVE AN ESTABLISHED STAND OF PERMANENT VEGETATION

OWNER:	COLLO ROSSO PROPERTIES LLC 133 CLARK STREET CHAPIN, SC 29036 PH: 803-834-9000 EMAIL: curtis.hardy@me.com CONTACT: CURTIS LAMAR HARDY
TMS:	000717-03-002
TOTAL AREA:	1.43 AC.
DISTURBED AREA:	1.4 AC.
ZONING:	TC
USE:	MEDICAL OFFICE
BUILDING SIZE:	6,880 SF
PROVIDED PARKING:	27 SPACES

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



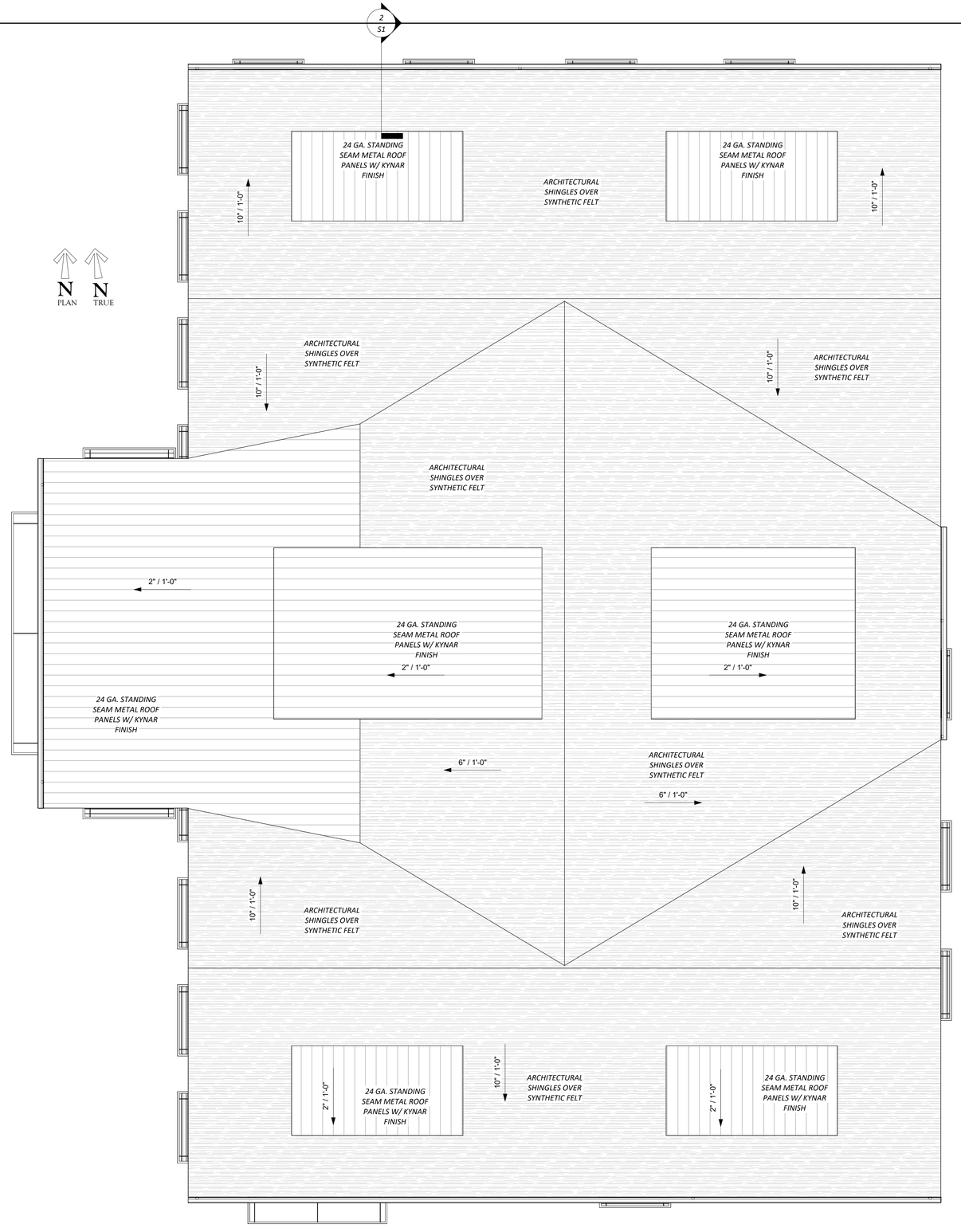
HB Engineering
SITE DEVELOPMENT CONSULTANTS
720 OLD CHEROKEE ROAD
LEXINGTON, SOUTH CAROLINA 29072
803-957-7027 FAX 877-728-0808

COLLO ROSSO DERMATOLOGY
CLARK ST.
TOWN OF CHAPIN
SOUTH CAROLINA

No.	Date	Revision
1	8/19/25	ARB Comments

Sheet Title:
PRELIMINARY LANDSCAPE PLAN

Drawn by:	TB
Designed by:	TB
Checked by:	TB
Scale:	1"=20'
Project No.	25146
Date:	6/24/2025
Sheet	L1
of	1
Drawing No.	



1 ROOF PLAN
3/16" = 1'-0"

CHAPIN
COMMERCIAL CONSTRUCTION

PROPOSED BUILDING FOR
COLLO ROSSO DERMATOLOGY

133 CLARK STREET
CHAPIN, SOUTH CAROLINA 29036

REV.	DATE	COMMENT

08/19/2025

A4

ROOF PLAN

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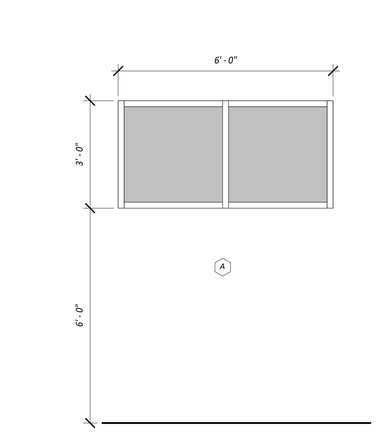

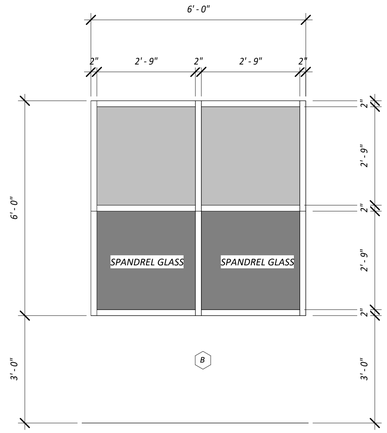

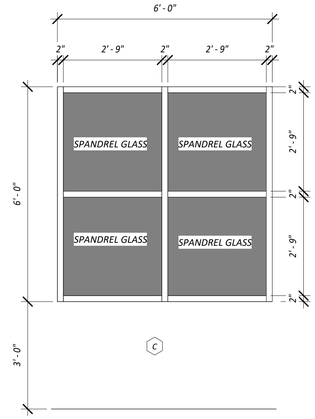

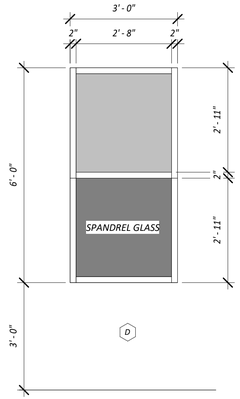

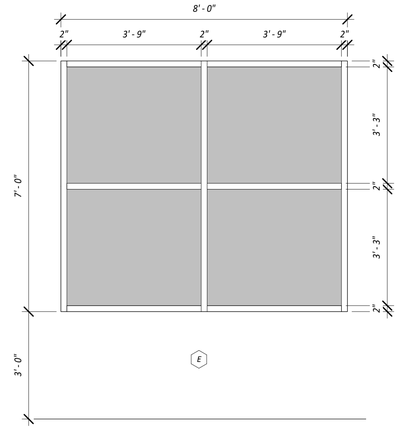

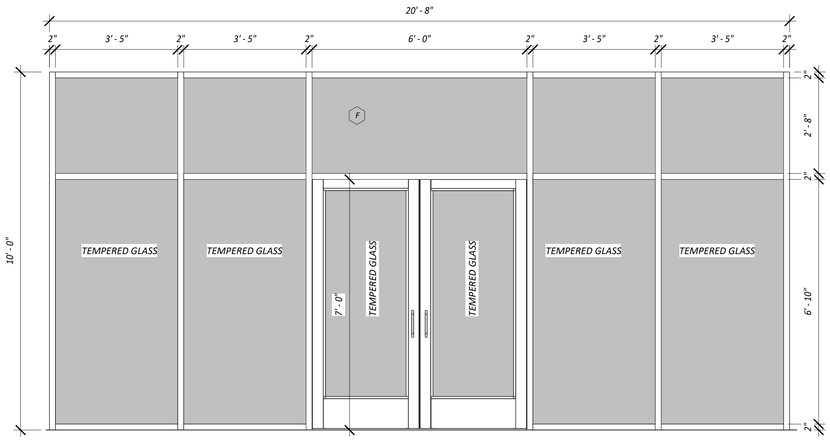

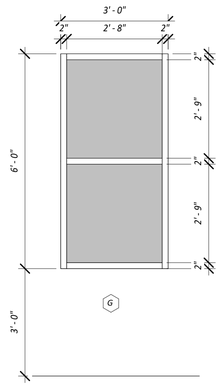

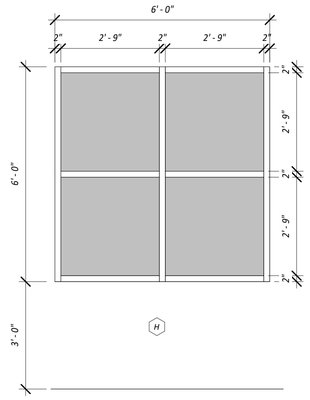

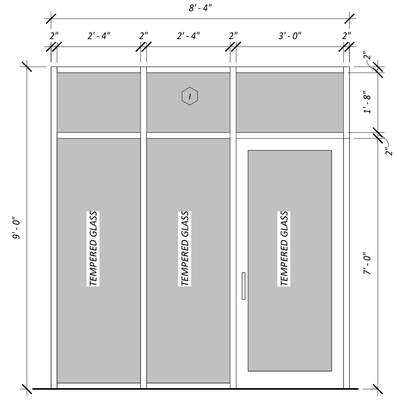

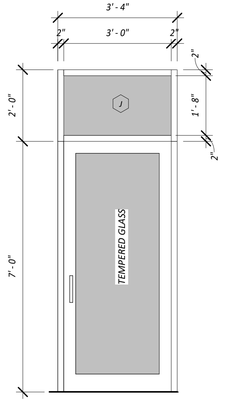

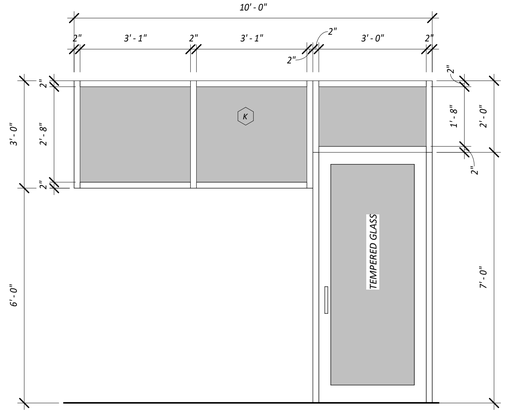

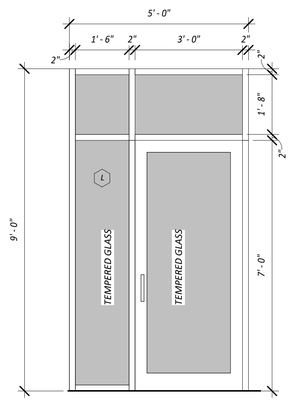

1 STOREFRONT ELEVATIONS
1/2" = 1'-0"

CHAPIN
COMMERCIAL CONSTRUCTION

PROPOSED BUILDING FOR
COLLO ROSSO DERMATOLOGY

133 CLARK STREET
CHAPIN, SOUTH CAROLINA 29036

STOREFRONT ELEVATIONS

REV.	DATE	COMMENT

08/19/2025

A5

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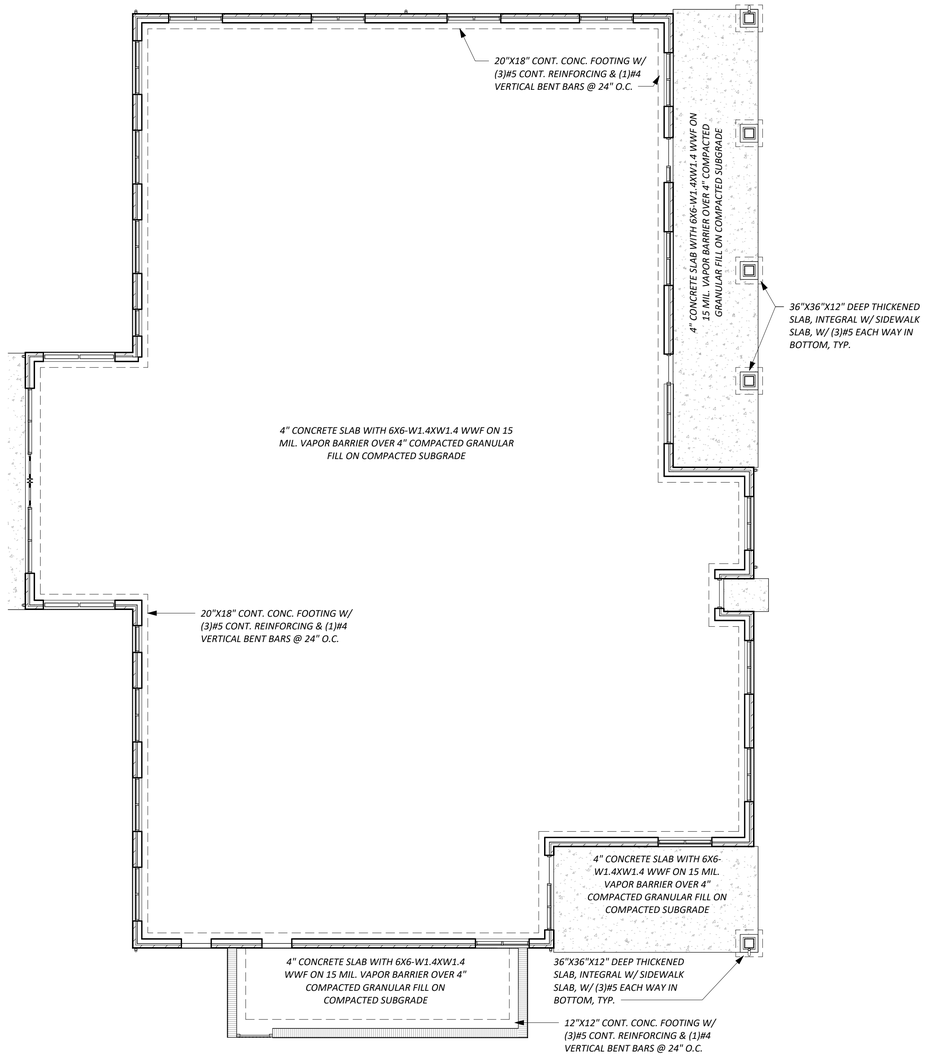
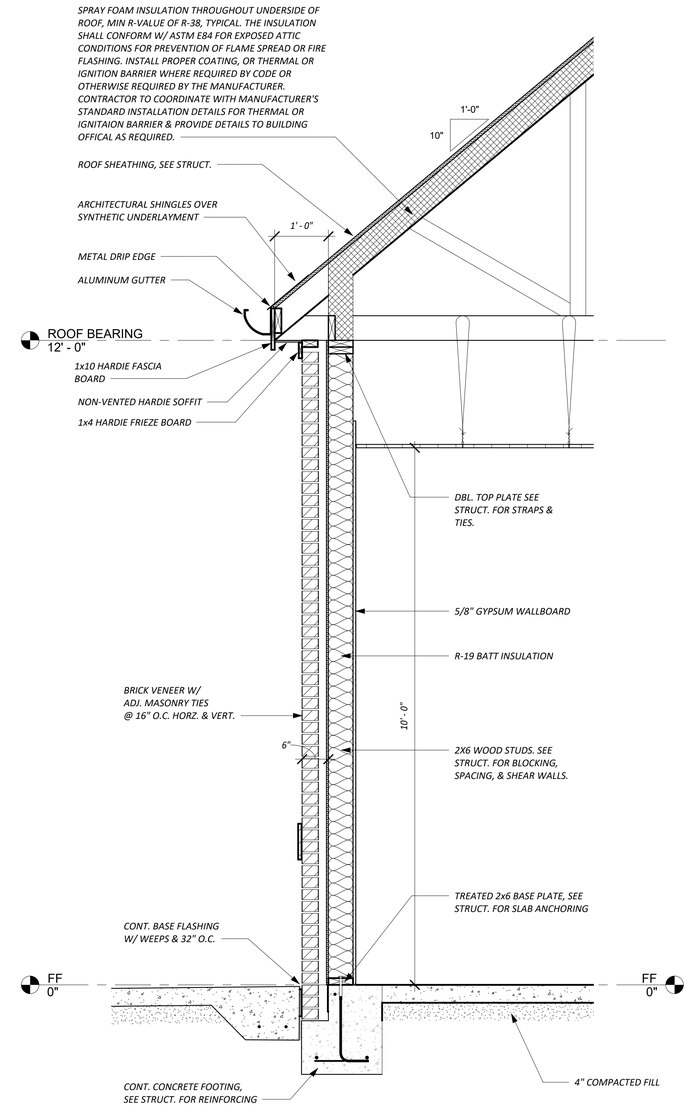


1 FOUNDATION CONCEPT PLAN
1/8" = 1'-0"



2 TYP. WALL SECTION
3/4" = 1'-0"

CHAPIN
COMMERCIAL CONSTRUCTION

PROPOSED BUILDING FOR
COLLO ROSSO DERMATOLOGY

133 CLARK STREET
CHAPIN, SOUTH CAROLINA 29036

REV.	DATE	COMMENT

FOUNDATION CONCEPT PLAN & TYP. WALL SECTION

08/19/2025

S1

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ORACLE LIGHTING
By Elite Lighting

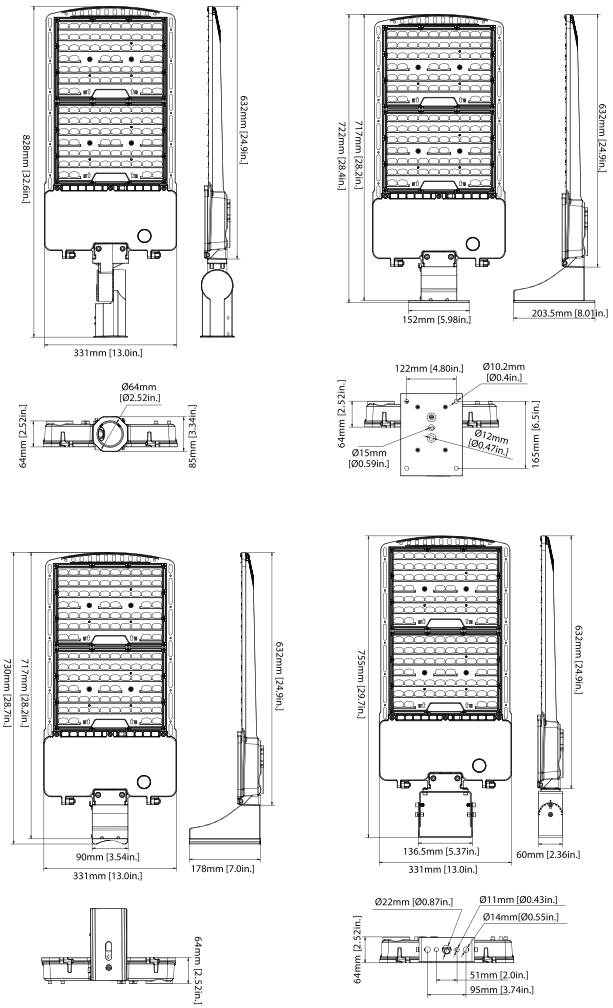
OAL-304-LED

LED Area Light with multi lumen and CCT

MOUNTING OPTIONS

MULTILUMEN SELECTOR

EASY 3 COLORS
SELECCTOR
3500K •4000K • 5000K



FEATURES

OAL-304-LED is easy to install and operate and has an instant start with zero flickering and humming. Choose to be eco-friendly with this fixture that consists of no mercury and is energy saving with a long lifespan. The soft and uniform light it emits has no UV or IR and is great for outdoor applications such as sports fields, stadiums, and gymnasiums as well as warehouses and transport stations.

LUMENS	20000L/28000L/36000/42000
CCT	30K/40K/50K
CRI	80+
VOLTAGE	120-277 VAC
MOUNTING	Arm, Slipfitter,Wall, Trunnion, Pole
DISTRIBUTION	Type II, Type III, Type IV, Type V
EMERGENCY	0-EMG-8W
WORKING TEMPERATURE	-40ºC (-40ºF) to 50ºC (122ºF)
SURGE PROTECTION	6kV
EPA RATING	150W is 1.63 300W is 2.46
LIFETIME	L85 AT 100,000 Hours

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
42000	42000	300W
36000	36000	240W
28000	28000	180W
20000	20000	120W

Based on 4000K, 85+ CRI. Actual wattage may vary +/-5%

UL CERTIFIED E495046 LUMINAIRE · IP65 · FOR WET LOCATION · DIMMABLE 0-10V DIMMING · DLC PREMIUM · 5 YEARS LIMITED WARRANTY

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.

ORACLE LIGHTING
By Elite Lighting

OAL-304-LED
LED Area Light with multi lumen and CCT

OPTIC
Available in IES Type II, III, IV, V distributions
Light engines are available in adjustable color temperature (3000K & 4000K & 5000K) configurations.
Scalable Lumen Packages from 10,000 to 21,000 Lumens replaces up to 1000W Metal Halide.
Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.
The optics can conform to dark sky requirement.

CONSTRUCTION
The rugged, one-piece die-cast aluminum housing features a complete heat sinkhat optimizes heat dissipation through convection cooling management. Low profile, 3G vibration rated compact design minimizes wind load requirements. Housing is completely sealed against moisture and environmental contaminants.

MOUNTING
Wall mounted for area light delivering uniform, widespread high output.

OPTIONS & ACCESSORIES
Optional photocell (PHC) detects changing light levels and saves energy by
turning off during the day
Optional occupancy sensor

DIMMING & DRIVER INFORMATION
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 0-10V dimming driver
- Power adjustable: 100%, 80%, 60%, 40%.
- THD: ≤20%
- Power Factor: ≥90%

WARRANTY
Five-year warranty for parts and components

LISTINGS
c-UL-us - Listed for Feed Through Wiring.

Example: **OAL-304-LED-20000L/28000L/36000L/42000L-DIM10-MVOLT-30K/40K/50K-T3D-BZ-PM**

OAL-304-LED								
SERIES	PERFORMANCE	DIMMING	VOLTAGE	CCT	DISTRIBUTION	ACCESSORIES	MOUNTING	FINISH
OAL-304-LED	20000L/28000L/36000L/42000L	DIM10 0-10V Dimming	MVOLT - 120-277V **347-480V**	30K/40K/50K	T3D - Type III *Standard* T4D- Type IV T5D-Type V *Included in box*	**PHC** - Photocell **MS** - Motion Sensor **SP**- 10K Surge Protection **T2D**- Type II	OAL-204/304-ACC-PM OAL-204/304-ACC-PM-ADJ OAL-204/304-ACC-WM OAL-204/304-ACC-TRM OAL-204/304-ACC-SFM **PM**- Pole Mount **WM**- Wall Mount **SFM**- Slipfitter Mount **AM**- Arm Mount **TRM**- Trunnion Mount	**BZ**- Bronze **BK**- Black **WH**- White

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.

OAL-304-LED

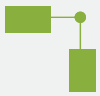
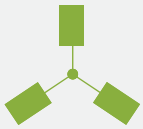
LED Area Light with multi lumen and CCT

OAL-304-LED									
SETTING	SYSTEM WATTS	DIST.TYPE	CRI	3000K		4000K		5000K	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	300 W	3	70	41000 lm	137 lm/W	45000lm	150 lm/W	42000 lm	140 lm/W
80%	240 W	3	70	35000 lm	146 lm/W	38500lm	160 lm/W	36000 lm	150 lm/W
60%	180 W	3	70	28000 lm	156 lm/W	30000lm	167 lm/W	28500 lm	158 lm/W
40%	120 W	3	70	19200 lm	160 lm/W	21500lm	179 lm/W	20000 lm	167 lm/W

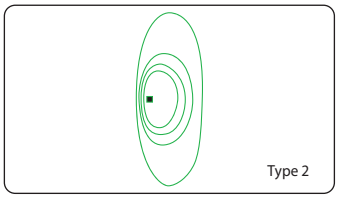
BUG RATING

SYSTEM WATTS	DIST. TYPE	B	U	G
300W	2	5	0	4
	3	4	0	4
	4	4	0	4
	5	5	0	4

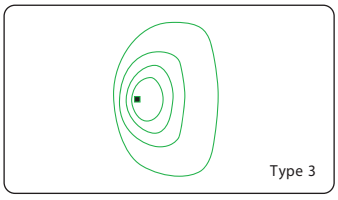
EPA OF AREA LIGHT

Item	1	 2 @90°	2 @120°	2@180°	3 @90°	 3 @120°	4 @90°
100W/140W/180W	0.3632	0.6849	0.8861	0.7264	1.0481	1.2078	1.0481
250W/300W/400W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849

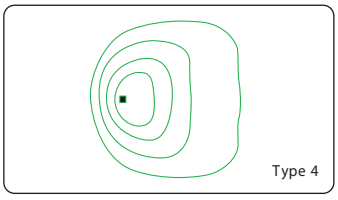
PHOTOMETRICS



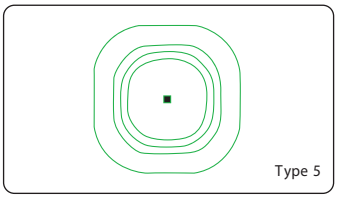
Type 2 optics are well-suited for scenarios requiring luminaires to be spaced at greater distances along a road or pathway. The light distribution pattern is designed for elongated areas, enabling increased pole spacing without compromising lighting quality.



Type 3 optics generate an asymmetrical pattern, directing the majority of light forward and evenly on both sides of the luminaire. When arranged in a back-to-back configuration, it forms a rectangular pattern that can extend the spacing between poles.



Type 4 is ideal for situations where the primary need is forward-directed light with minimal backlight. Common installations involve perimeter poles.



Type 5 optics create a symmetrical square distribution pattern, evenly distributing light on all sides of the luminaire. Type 5 luminaires are versatile and suitable for a wide range of area lighting applications.

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.

MOUNTING

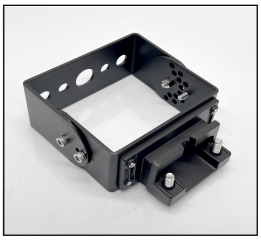
- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- Optional for cast aluminum slipfitter mounting adapter.

Mounting Options

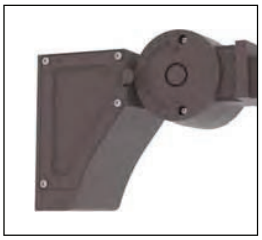
Pole Mount
(4"and 5"Square and Round poles)
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

Slipfitter Mount
An optional cast aluminum mast arm adapter secures fixture head to nominal 2-3/8"O.D. horizontal steel tenon arm.

Wall Mount
Wall Mount is easy to install for direct wall mounting with 1/2' conduit wiring or standard J-box mounting

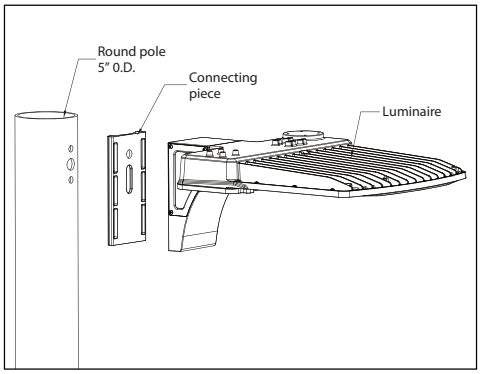


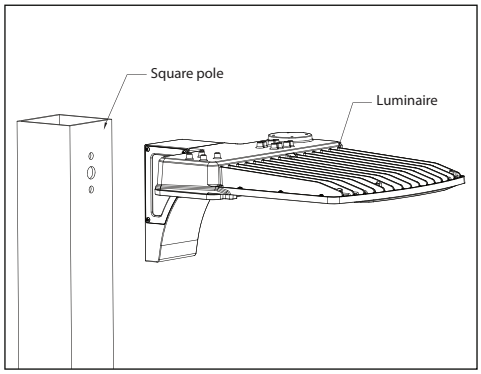
Trunion Mount
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.

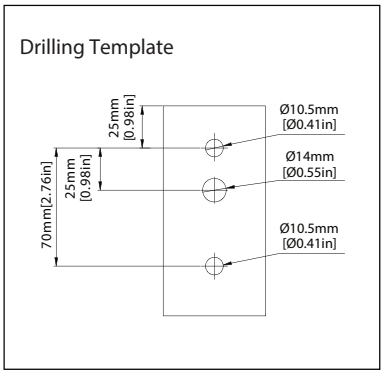


Adjustable Arm Mount
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

Mounting Dimensions







Note : CCT adjustable(3000K/4000K/5000K) and power adjustable(100%, 80%, 60%, 40%).

ACCESSORIES(Optional)

OAL series features a backlight control which provides reduced pixilation and increased visual comfort without compromising performance.
External Glare Shield: sold separately or as an accessory.

OAL-304-ACC-GLARE SHIELD

EXTERNAL GLARE SHIELD

OAL -304-ACC-GLARE

FULL VISOR External Glare Full Visor

Back Light Control Shield
OAL-204/304-ACC-BLCS
need 2 pcs

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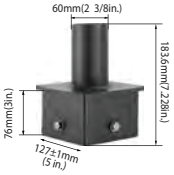
ADDITIONAL MOUNTING ACCESSORIES

POLE BRACKET • For mounting one fixture on an existing pole

4" Square Pole Mount with 2-3/8" O.D. Tenon
No. 4SQ-SP-D
Finish: Dark Bronze
USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

4" Round Pole Mount with 2-3/8" O.D. Tenon
NO. 4SQR-SP-D
Finish:Dark Bronze
USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.



5" Square Pole Mount with 2-3/8" O.D. Tenon
No. 5SQ-SP-D
Finish: Dark Bronze
USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

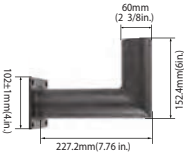
5" Round Pole Mount with 2-3/8" O.D. Tenon
NO. 5SQR-SP-D
Finish:Dark Bronze
USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

Pole Bracket Accessories –Angle-Adjustment Adapter
NO. SQA-ALDA
Finish: Dark Bronze
USE: Durable brackets are engineered to provide versatile mounting options. These arms are made from rugged die-cast aluminum. They allow optimal positioning of the light fixture to maximize the lighting effectiveness vertically and horizontally.

Pole Bracket accessories-Tenon & Yoke Adaptor
NO. SP-TR-D
Finish: Dark Bronze
USE: The 2-3/8" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount Elite light fixtures that are equipped with a yoke mount onto a 2-3/8" OD tenon. It may be utilized with the Elite Flood Light Series of light fixtures.

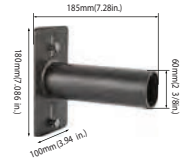
Horizontal Wall or Square or Round pole mount with 2-3/8" Tenon Bracket
NO. SQ/R-SP-D
Finish: Dark Bronze
USE: This tenon bracket can be installed onto a wall , square pole , round pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting.

WALL BRACKET • Attaches to any flat surface • Provides wiring access



90° Wall Mount Bracket with 2-3/8" O.D. Tenon
NO. WM-SP-D
Finish: Dark Bronze
USE: The 90° wall mount bracket with 2-3/8" tenon attaches an Elite floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.

Mid-Pole tenon Bracket



2-3/8" OD Horizontal Tenon Mid-Pole Bracket
NO. SQ-SP-D
Finish:Dark Bronze
USE:2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with a adjustable slipfitter onto a 2-3/8" OD horizontal tenon

Round External Mount Horizontal Tenon · To mount 2/3/4 fixtures on a existing pole

Double 90° Horizontal Tenon Adaptor
NO. R60-SP2-90-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Triple 120° Horizontal Tenon Adaptor
NO. R60-SP3-120-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Double 180° Horizontal Tenon Adaptor
NO. R60-SP2-180-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Quad 90° Horizontal Tenon Adaptor
NO. R60-SP4-90-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Triple 90° Horizontal Tenon Adaptor
NO. R60-SP3-90-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

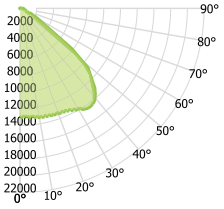
Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.

OAL-304-LED-20000L-28000L-36000L-42000L-DIM10-MVOLT-30K-40K-50K-T2D-BZ

TEST NO.: **EL11302360**

INPUT WATTS: **294.3** LUMENS: **48501** EFFICACY: **165** BEAM ANGLE: **66** SPACING CRITERIA: **1.63**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	12977	12977
10°	13200	13424
20°	13345	14450
30°	13924	15246
40°	13871	15923
50°	9687	16627
60°	2048	17728
70°	660	12199
80°	350	3785
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	1216731	1216731
45.00°	1629421	2157794
55.00°	762963	2801121
65.00°	204356	3621923
75.00°	176451	3729819
85.00°	224950	618823

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1243
10° - 20°	3702
20° - 30°	6111
30° - 40°	8282
40° - 50°	9612
50° - 60°	9387
60° - 70°	6853
70° - 80°	2832
80° - 90°	479

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	4946	10%
0° - 30°	11056	23%
0° - 40°	19339	40%
0° - 60°	38337	79%
0° - 80°	48022	99%
0° - 90°	48501	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	360.5 fc	8.7 ft	42.0 ft
8.0 ft	202.8 fc	11.6 ft	56.0 ft
10.0 ft	129.8 fc	14.6 ft	70.0 ft
12.0 ft	90.1 fc	17.5 ft	84.0 ft
14.0 ft	66.2 fc	20.4 ft	98.0 ft
16.0 ft	50.7 fc	23.3 ft	112.0 ft
18.0 ft	40.1 fc	26.2 ft	126.0 ft
20.0 ft	32.4 fc	29.1 ft	140.0 ft

INDOOR COEFFICIENTS OF UTILIZATION

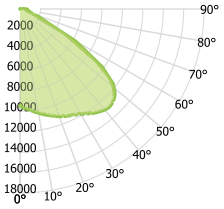
pf																			0%
pc		80%				70%				50%				30%			10%		0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84	
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69	
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	57	
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48	
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41	
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35	
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31	
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27	
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24	
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	22	

OAL-304-LED-20000L-28000L-36000L-42000L-DIM10-MVOLT-30K-40K-50K-T3D-BZ

TEST NO.: **EL11302360**

INPUT WATTS: **295.2** LUMENS: **44812** EFFICACY: **152** BEAM ANGLE: **80** SPACING CRITERIA: **1.93**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	9469	9469
10°	10304	9611
20°	11152	10222
30°	11868	11052
40°	12849	11721
50°	12004	12293
60°	6008	14051
70°	1283	12534
80°	625	4241
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	887856	887856
45.00°	1696460	1568860
55.00°	1565319	2130595
65.00°	612328	3253213
75.00°	297144	3297346
85.00°	737526	882781

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	912
10° - 20°	2793
20° - 30°	4804
30° - 40°	6725
40° - 50°	8123
50° - 60°	8693
60° - 70°	7604
70° - 80°	4320
80° - 90°	839

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	3705	8%
0° - 30°	8509	19%
0° - 40°	15234	34%
0° - 60°	32049	72%
0° - 80°	43973	98%
0° - 90°	44812	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	263.0 fc	11.7 ft	53.2 ft
8.0 ft	148.0 fc	15.7 ft	70.9 ft
10.0 ft	94.7 fc	19.6 ft	88.6 ft
12.0 ft	65.8 fc	23.5 ft	106.3 ft
14.0 ft	48.3 fc	27.4 ft	124.0 ft
16.0 ft	37.0 fc	31.3 ft	141.8 ft
18.0 ft	29.2 fc	35.2 ft	159.5 ft
20.0 ft	23.7 fc	39.1 ft	177.2 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf																			0%
pc		80%				70%				50%				30%			10%		0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	107	102	97	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81	
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65	
3	87	75	66	59	84	73	65	58	70	63	57	68	61	56	65	60	55	53	
4	79	65	56	48	76	64	55	48	61	54	47	59	52	47	57	51	46	44	
5	72	58	48	41	69	56	47	40	54	46	40	52	45	39	50	44	39	37	
6	66	51	42	35	64	50	41	34	48	40	34	47	39	34	45	38	33	31	
7	61	46	37	30	59	45	36	30	44	35	29	42	35	29	41	34	29	27	
8	56	42	32	26	54	41	32	26	39	32	26	38	31	26	37	30	25	23	
9	52	38	29	23	51	37	29	23	36	28	23	35	28	23	34	27	23	21	
10	49	35	26	21	47	34	26	21	33	26	21	32	25	20	31	25	20	18	

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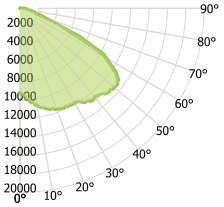
OAL-304-LED-20000L-28000L-36000L-42000L-DIM10-MVOLT-30K-40K-50K-T4D-BZ

TEST NO.: **EL11302360**

INPUT WATTS: **300.1** LUMENS: **45098** EFFICACY: **150** BEAM ANGLE: **63** SPACING CRITERIA: **2.00**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	9196	9196
10°	10704	9386
20°	11609	9979
30°	11875	10516
40°	12643	11161
50°	13347	11842
60°	10890	12868
70°	3231	8653
80°	948	1083
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	0	0
45.00°	0	0
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	896
10° - 20°	2812
20° - 30°	4787
30° - 40°	6565
40° - 50°	7939
50° - 60°	8938
60° - 70°	8219
70° - 80°	4236
80° - 90°	705

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	3709	8%
0° - 30°	8496	19%
0° - 40°	15061	33%
0° - 60°	31938	71%
0° - 80°	44393	98%
0° - 90°	45098	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	255.4 fc	11.6 ft	31.1 ft
8.0 ft	143.7 fc	15.5 ft	41.5 ft
10.0 ft	92.0 fc	19.4 ft	51.9 ft
12.0 ft	63.9 fc	23.2 ft	62.3 ft
14.0 ft	46.9 fc	27.1 ft	72.7 ft
16.0 ft	35.9 fc	31.0 ft	83.0 ft
18.0 ft	28.4 fc	34.8 ft	93.4 ft
20.0 ft	23.0 fc	38.7 ft	103.8 ft

INDOOR COEFFICIENTS OF UTILIZATION

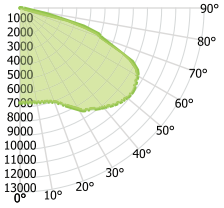
pf									20%									0%
pc		80%				70%				50%			30%			10%		0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	97	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	96	87	80	73	94	85	78	72	82	76	70	78	73	69	75	71	67	65
3	87	75	66	59	84	73	65	58	70	63	57	67	61	56	65	59	55	53
4	78	65	55	48	76	64	55	48	61	53	47	59	52	46	56	51	46	43
5	71	57	47	40	69	56	47	40	54	46	39	52	45	39	50	44	39	36
6	65	51	41	34	63	50	41	34	48	40	34	46	39	33	45	38	33	31
7	60	46	36	30	58	45	36	29	43	35	29	42	34	29	40	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23	35	28	22	34	27	22	20
10	49	34	26	20	47	34	26	20	33	25	20	32	25	20	31	25	20	18

OAL-304-LED-20000L-28000L-36000L-42000L-DIM10-MVOLT-30K-40K-50K-T5D-BZ

TEST NO.: **EL11302360**

INPUT WATTS: **298.8** LUMENS: **46013** EFFICACY: **154** BEAM ANGLE: **140** SPACING CRITERIA: **2.00 x 2.00**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	6706	6706
10°	6770	6810
20°	7072	7119
30°	8298	7618
40°	9167	8756
50°	9853	10151
60°	9569	10240
70°	6099	8446
80°	430	399
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	0	0
45.00°	0	0
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	650
10° - 20°	2006
20° - 30°	3583
30° - 40°	5506
40° - 50°	7573
50° - 60°	9448
60° - 70°	10173
70° - 80°	6540
80° - 90°	535

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	2656	6%
0° - 30°	6238	14%
0° - 40°	11744	26%
0° - 60°	28765	63%
0° - 80°	45478	99%
0° - 90°	46013	100%

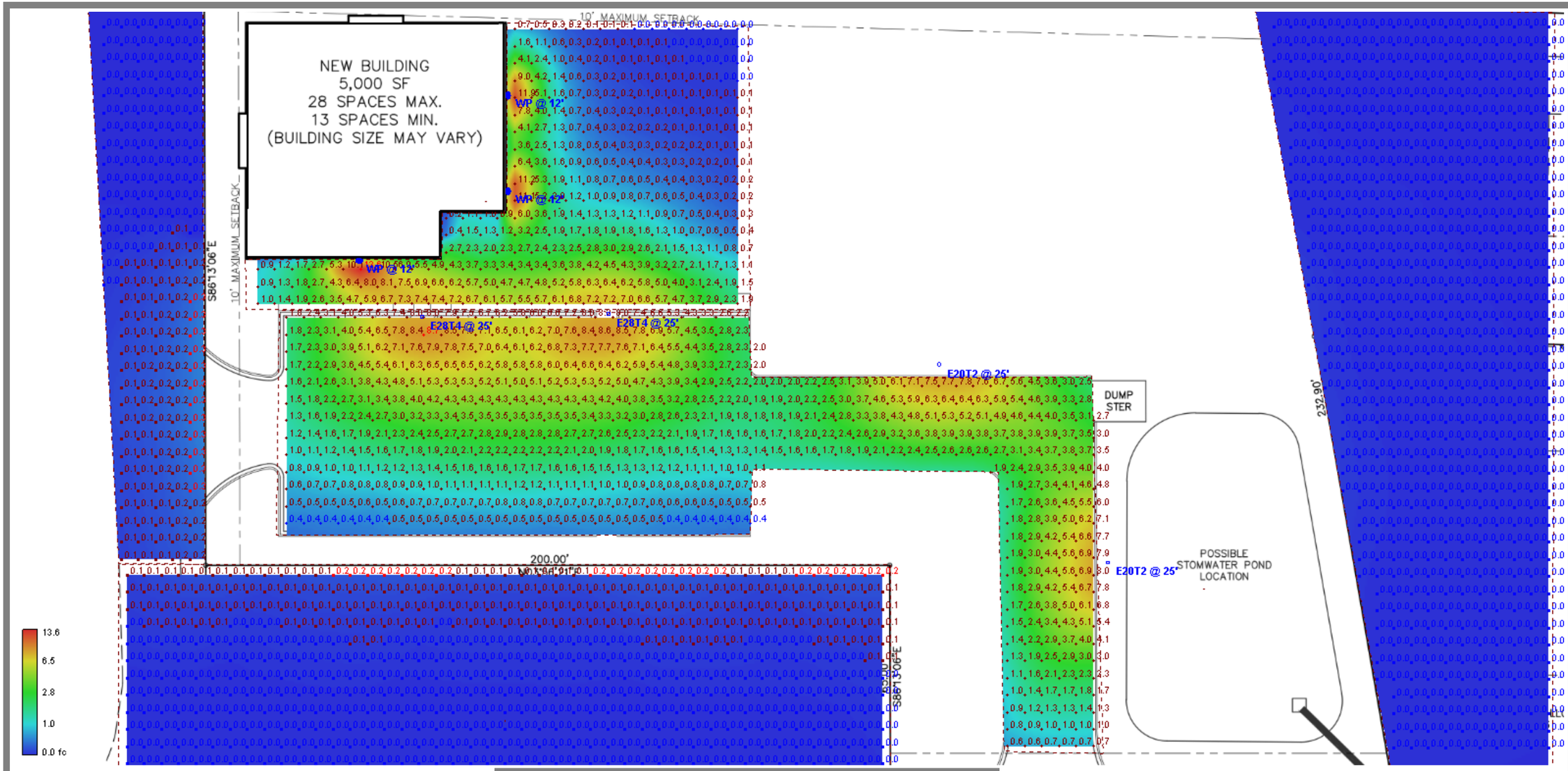
CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	186.3 fc	33.2 ft	36.5 ft
8.0 ft	104.8 fc	44.2 ft	48.7 ft
10.0 ft	67.1 fc	55.3 ft	60.9 ft
12.0 ft	46.6 fc	66.3 ft	73.1 ft
14.0 ft	34.2 fc	77.4 ft	85.2 ft
16.0 ft	26.2 fc	88.4 ft	97.4 ft
18.0 ft	20.7 fc	99.5 ft	109.6 ft
20.0 ft	16.8 fc	110.5 ft	121.8 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf									20%									0%
pc		80%				70%				50%			30%			10%		0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	101	95	91	103	98	93	89	94	90	86	90	87	84	86	84	81	79
2	94	84	76	69	91	82	74	68	78	72	66	75	69	65	72	67	63	61
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	61	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	33	31
6	62	47	37	29	60	46	36	29	44	35	29	42	34	28	40	33	28	26
7	57	42	32	25	55	41	31	25	39	31	24	38	30	24	36	29	24	22
8	53	38	28	21	51	37	28	21	35	27	21	34	26	21	33	26	21	19
9	49	34	25	19	47	33	25	19	32	24	18	31	24	18	30	23	18	16
10	46	31	22	17	44	31	22	16	29	22	16	28	21	16	28	21	16	14

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.



Statistics

Description	Symbol	Avg
Parking Lot	+	3.2 fc
Building Walkway	+	2.2 fc

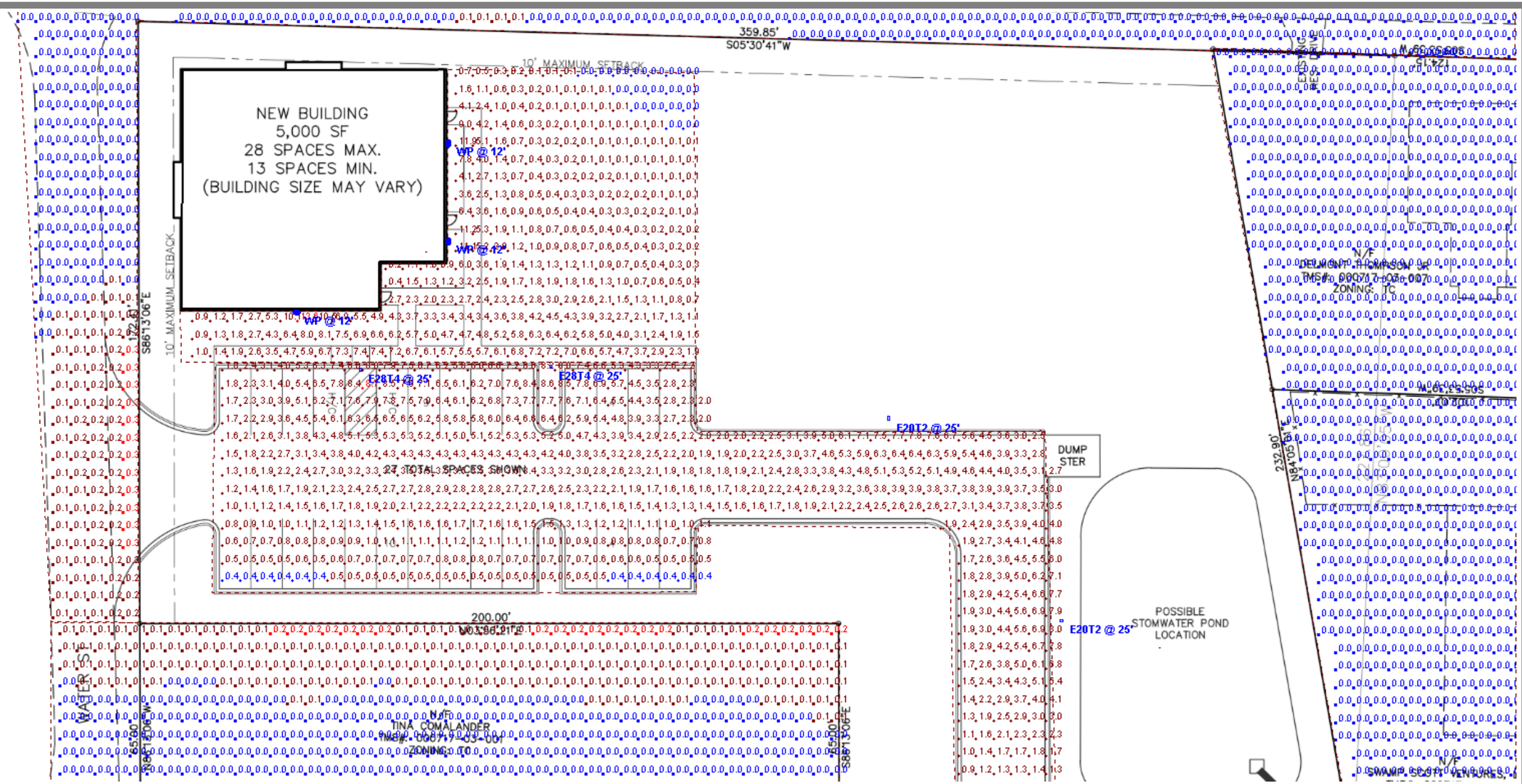
VISUAL

Collo Rosso Site Layout 3-26-2025

Designer

Date
03/24/2025
Scale
Not to Scale
Drawing No.

Summary



Statistics

Description	Symbol	Avg
Parking Lot	+	3.2 fc
Building Walkway	+	2.2 fc

VISUAL

Collo Rosso Site Layout 3-26-2025

Designer

Date
03/24/2025
Scale
Not to Scale
Drawing No.

Summary

Final Review

To: Architectural Review Board
From: R. Radtke, Planning & Zoning Manager
Date: August 22, 2025
Re: Outparcel 3– **Medical Office- MUSC**

Property Location: 207 Lexington Ave.
Tax Map Number: 000721-02-025
Property Zoning District: Village Commercial (VC)
Property Overlay District: Downtown
Applicant: Lukas Braun
Zoning Permit: 24-12-12-001/ **New (20250065)**

Proposal

The applicant is proposing a medical office on the Publix outparcel on the property located off of Lexington Ave. adjacent to Publix parking lot. Building is as follows; a 12,000-sf office. Total acre of lot is approximately 1.3 acres. Project will require to have 5% of open space dedicated per the code.

Staff Recommendation

The following items have been updated and changed from the recommendations from the ARB on August 6th meeting and meet compliance:

1. Exterior color of building that are shown, ARB will need samples to approve. Brick colors are listed as; Soldier Course, Stack Bond and Running Bond. MOB will provide samples. **(6.11.4.d.4)**
2. Window details updated. Sheet A-610, General Note 2: "All exterior glass is Low-E, Insulated, Tempered with 40% minimum visible light transmittance"
3. ARB requested darker mullions to match exterior building. No Change. (In compliance. **6.11.3.a.3**)- The glass metal frame colors are prefinished in standard options provided by the manufacturer. The current design features a lighter-colored mullion, as shown in the renderings, which will be selected from the manufacturer's standard palette to align with the Town of Chapin approved color palette. Matching the request would require a custom mullion color, significantly increasing costs, and is therefore not feasible.
4. ARB requested to extend pedestrian sidewalk along Mavis side with crosswalk connecting. Foot candles on sidewalks mounting height. (Updated changes. In compliance). Pedestrian sidewalk now extends from adjacent property, east through the bottom of our site, and north to Lexington Ave. sheet C300. See photometric for heights. 24' from Gnd.
5. Update w/ details (In Compliance) on plans for open space 5%. Sheet L101 outlining our 3,200 SF
6. ARB requested Landscape around retention pond or open space. In Compliance**.** MOB made the changes and corrected for the plan north side of the property, sheet L101**.**

Staff recommends that the application of MUSC be issued a certificate of appropriateness on condition of ARB approval.

August 20th, 2025

Reid Radtke

Planning & Zoning Administrator

Chapin Town Administration

RE: ARB Final Submittal for Approval

Mr. Radtke,

We are pleased to present to you our Final Submittal for Approval to the Town of Chapin ARB, regarding our Medical Office Development on Outparcel 3, neighboring Publix. Please see my responses below in red, as responses to the previous ARB Meeting comments on 8/6/2025 in black.

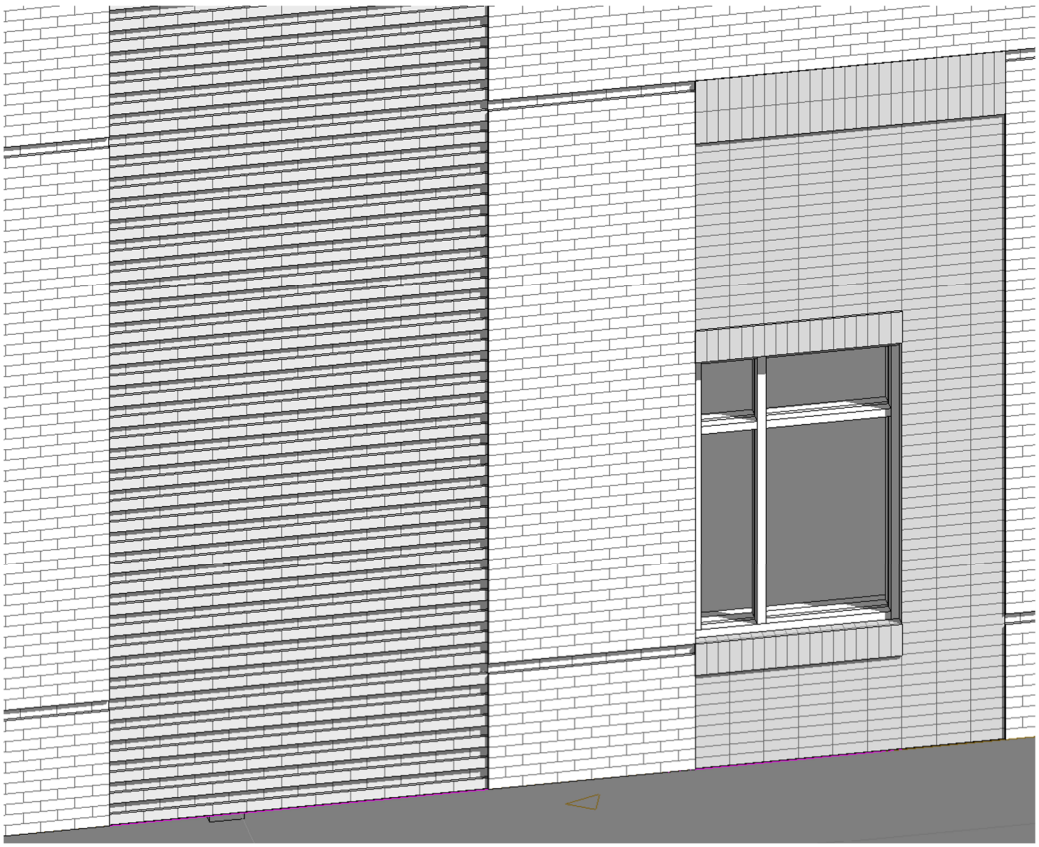
- Window glass material and glazing – Need min of 40% glazing. – Glass metal frames to match darker brick color.
    - Please see the attached Sheet A-610, General Note 2: "All exterior glass is to be Low-E, Insulated, Tempered with 40% minimum visible light transmittance".
    - The glass metal frame colors are prefinished in standard options provided by the manufacturer. The current design features a lighter-colored mullion, as shown in the renderings, which will be selected from the manufacturer's standard palette to align with the Town of Chapin approved color palette. To match the dark brick would require a custom mullion color, significantly increasing costs, and is therefore not feasible.

      Per UDO Section 6.11.3.a.3, four complementary colors are allowed. The light mullion is our fourth color and adds a subtle, complementary contrast to the façade. We respectfully ask the ARB to approve this element as designed.

- Extended pedestrian sidewalk along Mavis side with crosswalk connecting. _ Foot candles on sidewalks mounting height
    - Our pedestrian sidewalk now extends from Outparcel 2, east through the bottom of our site, and north to Lexington Avenue – please see the attached

sheet C300. We are currently working with our Civil Engineer to provide an impact analysis of adding an ADA Ramp and crosswalk to Mavis' Outparcel.

  - Please reference the attached Photometric Plan for foot candles across the site.
  - Our mounting height is 24' from ground to top of pole for area lighting, please see the attached SCE&G Distribution Construction Standard cutsheet.

- Provide specs on open space with calculations
  - Please see the attached sheet L101 outlining our 3,200 SF of open space. Open Space Calculations are also provided on this sheet.
- Need depth information on building columns and brick samples – Clarifications on materials. ARB stated would need more concise drawings of the columns to confirm bump out depths.
  - Below is a 3D image and detailed view illustrating how depth is thoughtfully integrated into the exterior design. The brickwork subtly shifts along all four elevations, creating shadow lines and enhancing visual interest. Structural columns are fully concealed within the interior and are not expressed on the exterior. Please reference Sheet A-501 for further details.
  - 
- Landscape front drainage to match side landscaping and dumpster area.

    - This has been corrected for the plan north side of the property, please see the attached sheet L101.

- Confirmation of colors to be compliant with approved color pallet.
    - Confirming that building materials and colors have been approved at the ARB Meeting dated 8/6/2025, with brick samples being provided then. Please see the attached sheets showing the brick color being provided and the approved color palette from The Town of Chapin.
- Full lighting plan to include wall sconce cut sheets
    - Please see that attached Photometric Plan and associated cutsheets.
- Photometrics plan
    - Please see that attached Photometric Plan and associated cutsheets.
- Updated materials to parking lot poles with confirmation on height to match current development of adjacent properties.
    - We have coordinated with the neighboring parcels and our electrical provider to use similar area lighting design. Our mounting height is 24' from ground to top of pole for area lighting, please see the attached SCE&G Distribution Construction Standard cutsheet.
- Landscape around retention pond or open space.
    - This has been corrected for the plan north side of the property, please see the attached sheet L101.

We would need the following 21 days in advance to this meeting. Next meeting is set for September 10th. Understood, delivering the Final Submittal on 8/20/2025.

Final Review: Two (2) large sets of plans consisting of:

1. Scaled Site Plan. Included.
2. Landscape and Tree Plan. Included.
3. Grading Plan. Included.
4. Parking Layout. Included.
5. Site Photometric Plan. Included.

6. Foundation Plan. Included.

7. Floor Plan. Included.

8. Elevation Drawings. Included.

9. Typical Wall Section. Included.

10. HVAC Layout. Included.

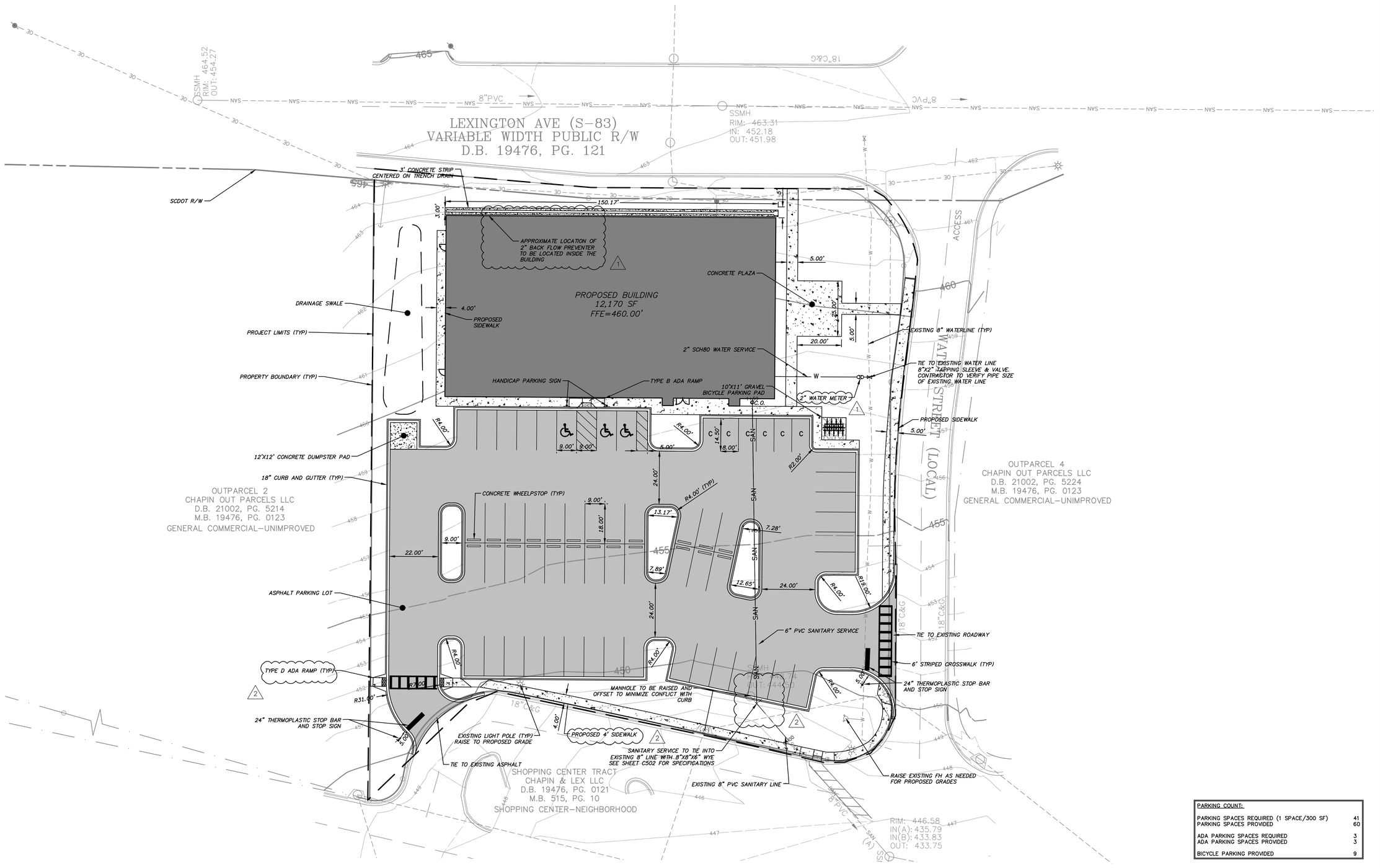
11. Electric Layout. Included.

12. Plumbing Layout. Included.

13. OCRM Approval or Exemption. Exempt per our survey, confirmed by Reid Radtke on 8/12/2025.

14. Water and Sewer Receipts. Exempt per email with Reid Radtke dated 8/12/2025.

15. Elevation Certificate of “A” & “V”. Exempt per email with Reid Radtke dated 8/12/2025.



NOTES:
1. THE INSTALLATION OF OTHER UTILITIES (CABLE, ELECTRICAL, NATURAL GAS, ETC) IS TO BE WITHIN PERMITTED LIMITS OF DISTURBANCE. INSTALLATION OUTSIDE OF THIS AREA WILL REQUIRE A MODIFICATION TO THE PERMIT.
2. PLEASE REFERENCE CITY OF COLUMBIA CITY FILE NUMBERS 334-10 AND 183-15.

PLAN
HORIZONTAL SCALE 1"=20'

20 10 0 20 40
SCALE IN FEET

PARKING COUNT:	
PARKING SPACES REQUIRED (1 SPACE/300 SF)	41
PARKING SPACES PROVIDED	60
ADA PARKING SPACES REQUIRED	3
ADA PARKING SPACES PROVIDED	3
BICYCLE PARKING PROVIDED	9

SC811 GRID

South Carolina 811 Call 811 Before You Dig

CRANSTON

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO.39320 RYAN D. SHERIDAN
07/16/2025
SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

REV #	DATE	DESCRIPTION
2	07/16/2025	UTILITY REVISIONS, SIDEWALK ADDITION
1	6/30/2025	PER TOWN OF CHAPIN UTILITY DEPARTMENT/CITY OF COLUMBIA COMMENTS

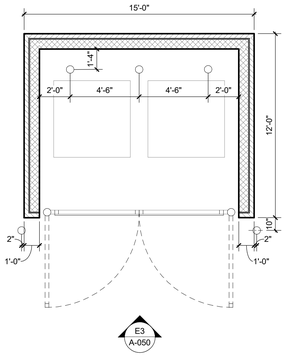
CHAPIN RETAIL MOB

SITE PLAN

DRAWN BY:	AKS
CHECKED BY:	AKS
APPROVED BY:	RDS
DATE:	MAY 16, 2025
SCALE:	1" = 20'
JOB No.	2024-0249
DRAWING No.	C300

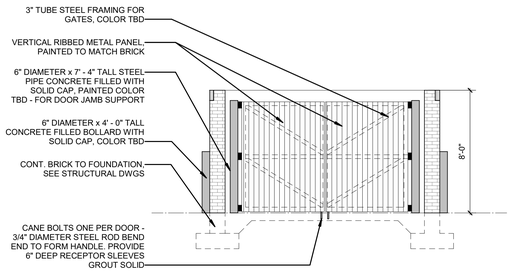
G:\PROJECTS\2024\2024-0249_CHAPIN RETAIL MOB\VAC-DRAWINGS\CIVIL\2024-0249_PLAN.DWG 8/6/2025 2:19 PM

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL PAGE SIZE



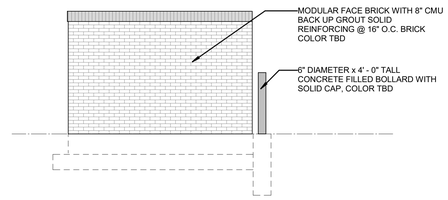
E1 TRASH ENCLOSURE PLAN

1/4" = 1'-0"



E3 TRASH ENCLOSURE - FRONT

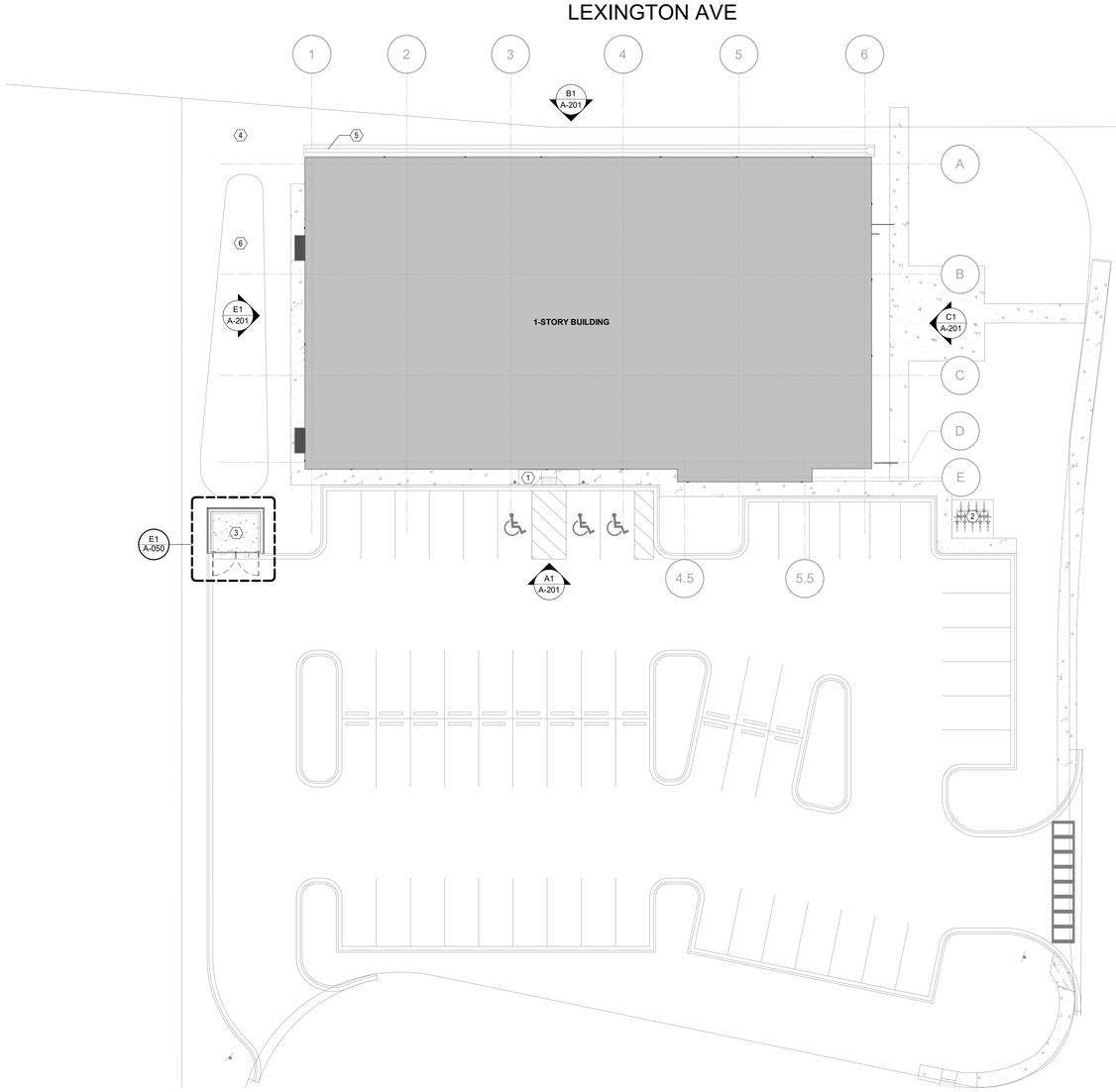
1/4" = 1'-0"



E4 TRASH ENCLOSURE - SIDE

1/4" = 1'-0"

# NUMBER	SITE PLAN NOTES BY NUMBER NOTE
1	ADA RAMP
2	BIKE RACKS
3	DUMPSTER
4	TRANSFORMER
5	TRENCH DRAIN
6	DRAINAGE SWALE



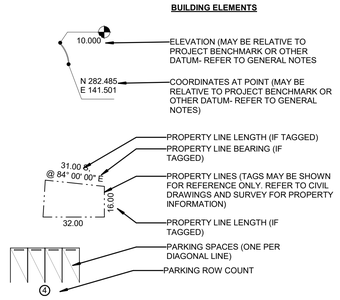
A1 ARCHITECTURAL SITE BUILDING PLAN- LEVEL 1

1/16" = 1'-0"

TRUE NORTH PROJECT NORTH

SITE PLAN LEGEND

BUILDING ELEMENTS



THE KEITH CORPORATION

LS3P

600 SOUTH TRYON STREET, SUITE 2000
CHARLOTTE, NORTH CAROLINA 28202
TEL. 704.333.6686 FAX. 704.333.2926
WWW.LS3P.COM

NOT FOR CONSTRUCTION

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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME:
ARCHITECTURAL SITE PLAN

ORIG SUBMISSION: 2025.07.15

SHEET:
A-050

CONSTRUCTION DOCUMENTS PROGRESS

7/15/2025 7:37:24 PM

OPEN SPACE CALCULATIONS:

TOTAL ACREAGE OF PROPERTY = 1.3 ACRES
5% OF PROPERTY = 2,830 SF
PROPOSED OPEN SPACE = 3,200 SF

LEXINGTON AVENUE STREET BUFFER:

REQUIRED FOR TYPE B BUFFER:

- 10' WIDE BUFFER
- 6 CANOPY TREES PER 100 LINEAR FEET
  - 223' OF PROPERTY BOUNDARY / 100 = 2.23 x 6 = 13.38 = 14 CANOPY TREES REQUIRED
- 18 SHRUBS PER 100 LINEAR FEET
  - 223' OF PROPERTY BOUNDARY / 100 = 2.23 x 18 = 40.14 = 41 SHRUBS REQUIRED

PROPOSED:

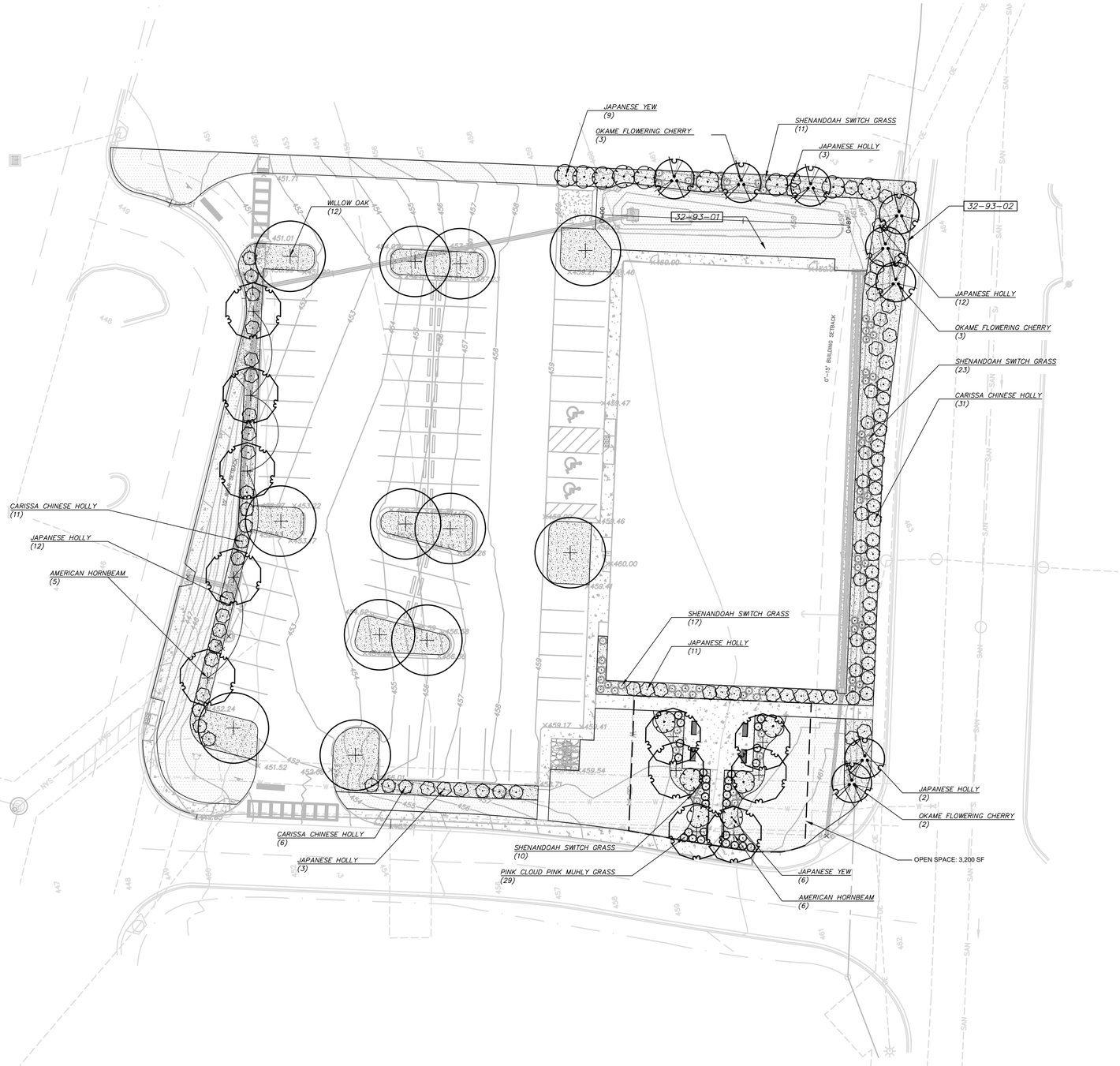
- 10' WIDE BUFFER
- 5 UNDERSTORY TREES
  - AVAILABILITY OF SPACE 10' FROM BUILDING IS LIMITED
  - OVERHEAD ELECTRICAL UTILITY OBSTRUCTING ENTIRE BUFFER AREA
- 47 SHRUBS + 24 GRASSES

REFERENCE NOTES SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY
PLANTING			
	32-93-01	Sod; Bermuda	9,231 sf
	32-93-02	Mulch; Hardwood	74.3 cy

PLANT SCHEDULE

SYMBOL	QTY	COMMON NAME	BOTANICAL NAME	CONT.	CAL.	HEIGHT	SPREAD	
TREES								
+	11	American Hornbeam	Carpinus caroliniana	B & B	3"Cal	6`-8`	4`-5`	
	8	Okame Flowering Cherry	Prunus x 'Okame'	B & B	1.5"Cal			
+	12	Willow Oak	Quercus phellos	B & B	3"Cal	10`-15`	6`-8`	
SYMBOL	QTY	COMMON NAME	BOTANICAL NAME	SIZE	HT.	SPREAD		SPACING
SHRUBS								
	48	Carissa Chinese Holly	Ilex cornuta `Carissa`	7 gal	2`	3`		60" o.c.
	43	Japanese Holly	Ilex crenata	3 gal	2`	3`		60" o.c.
	15	Japanese Yew	Taxus cuspidata	7 gal	4`	3`		96" o.c.
	29	Pink Cloud Pink Muhly Grass	Muhlenbergia capillaris `Pink Cloud`	3 gal	2`	2`		36" o.c.
	61	Shenandoah Switch Grass	Panicum virgatum `Shenandoah`	3 gal	3`	1`		36" o.c.



PLAN
HORIZONTAL SCALE 1"=20'

20 10 0 20 40
SCALE IN FEET

GA. EAST ZONE
GRID

South Carolina 811 Call 811 Before You Dig

CRANSTON

SOUTH CAROLINA
Cranston Engineering Group
NO. C00575
CERTIFICATE OF AUTHORIZATION

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1396
LAWRENCE FRANK CHEELY

REV #	DATE	DESCRIPTION

CHAPIN RETAIL MOB

LANDSCAPE PLAN

DRAWN BY:	SRN
CHECKED BY:	LNA
APPROVED BY:	LFC
DATE:	05/16/2025
SCALE:	1" = 20'
JOB No.	2024-0249
DRAWING No.	L101

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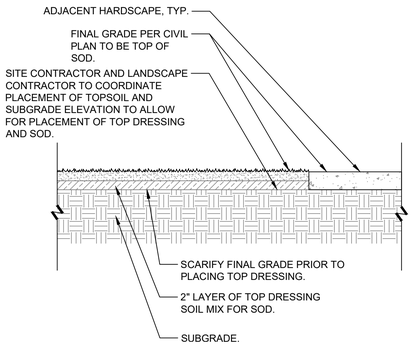
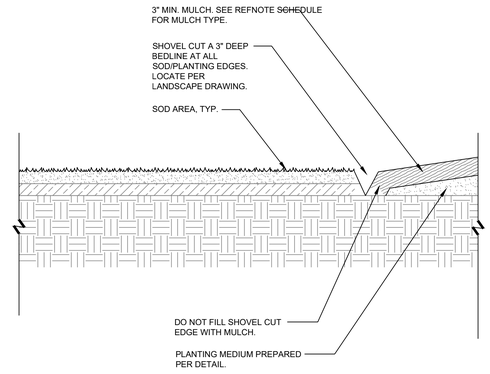


NOTES:

1. HOLD DOWN FINISHED GRADE 2" FROM EDGE OF ALL HARDSCAPE SURFACES.
2. ROLL AND WATER SOD SAME DAY AS INSTALLTION

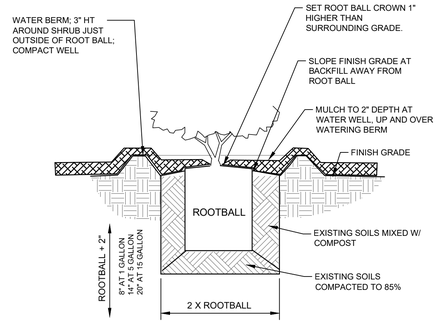
1 SOD INSTALLATION

3/4" = 1'-0" P-CH1-09



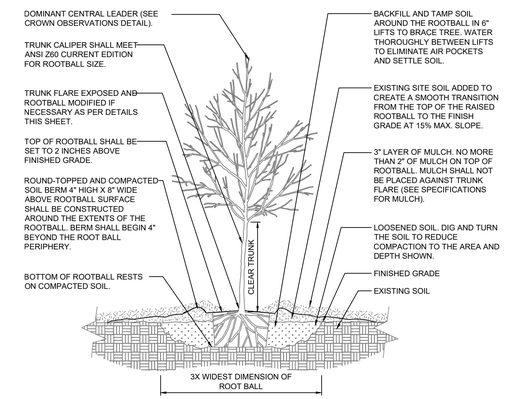
2 SHOVEL CUT BED EDGE

1" = 1'-0" P-CH1-10



3 SHRUB PLANTING

P-CH1-07

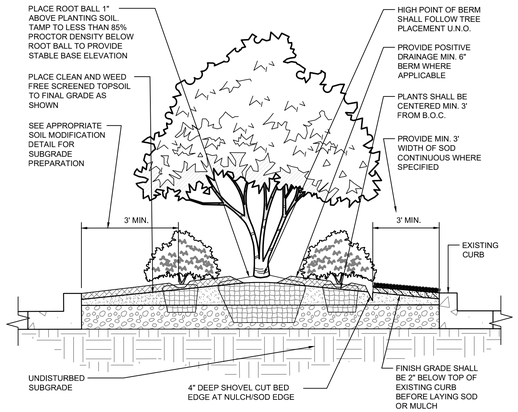


SECTION VIEW

NOTES:
1. TREES SHALL BE OF QUALITY PRESCRIBED IN CROWN OBSERVATIONS DETAILS THIS SHEET.

4 TREE PLANTING

3/8" = 1'-0" P-CH1-04



5 PARKING ISLAND DETAIL

1/2" = 1'-0" P-CH1-28

CRANSTON

SOUTH CAROLINA
Cranston Engineering Group
NO. C00575
CERTIFICATE OF AUTHORIZATION

State of South Carolina
REGISTERED LANDSCAPE ARCHITECT
No. 1395
LAWRENCE FRANK CHEEK

REV #	DATE	DESCRIPTION

CHAPIN RETAIL MOB

LANDSCAPE DETAILS

DRAWN BY:	SRN
CHECKED BY:	LNA
APPROVED BY:	LFC
DATE:	05/16/2025
SCALE:	1" = 20'
JOB No.	2024-0249
DRAWING No.	L201

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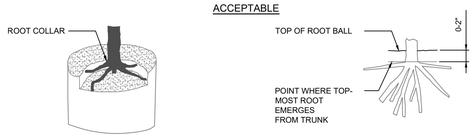
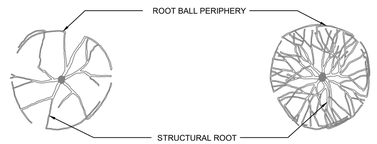
ACCEPTABLE



THE POINT WHERE TOP-MOST ROOT(S) EMERGES FROM THE TRUNK (ROOT COLLAR) SHOULD BE WITHIN THE TOP 2" OF SUBSTRATE. THE ROOT COLLAR AND THE ROOT BALL INTERIOR SHOULD BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED, ASCENDING, AND STEM GIRDLING ROOTS. STRUCTURAL ROOTS SHALL REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL.

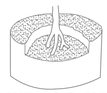


ROOTS RADIATE FROM TRUNK AND REACH SIDE OF ROOT BALL WITHOUT DEFLECTING DOWN OR AROUND.

REJECTABLE

STRUCTURAL ROOTS CIRCLE INTERIOR OF ROOT BALL. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.

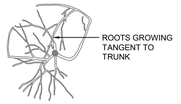
ONLY ABSORBING ROOTS REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL. STRUCTURAL ROOTS MOSTLY WRAP OR ARE DEFLECTED ON THE ROOT BALL INTERIOR.



STRUCTURAL ROOTS DESCEND INTO ROOT BALL INTERIOR. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.

STRUCTURAL ROOTS CIRCLE AND DO NOT RADIATE FROM THE TRUNK.

STRUCTURAL ROOTS PRIMARILY GROW TO ONE SIDE.



STRUCTURAL ROOTS MISSING FROM ONE SIDE, AND/OR GROW TANGENT TO TRUNK.

NOTES:
1. OBSERVATIONS OF ROOTS SHALL OCCUR PRIOR TO ACCEPTANCE. ROOTS AND SUBSTRATE MAY BE REMOVED DURING THE OBSERVATION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER OBSERVATION HAS BEEN COMPLETED.
2. SMALL ROOTS (¼" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE, HOWEVER THEY SHOULD BE ELIMINATED AT TEH TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING (SEE ROOT BALL SHAVING CONTAINER DETAIL).
3. SEE SPECIFICATIONS FOR OBSERVATION PROCESS AND REQUIREMENTS.

1 ROOT OBSERVATIONS DETAIL - CONTAINER

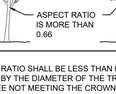
1" = 1'-0" P-CH1-01

ACCEPTABLE

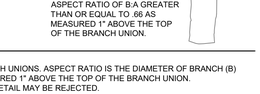
THE POINT WHERE TOP-MOST ROOT(S) EMERGES FROM THE TRUNK (ROOT COLLAR) SHOULD BE WITHIN THE TOP 2" OF SUBSTRATE. THE ROOT COLLAR AND THE ROOT BALL INTERIOR SHOULD BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED, ASCENDING, AND STEM GIRDLING ROOTS. STRUCTURAL ROOTS SHALL REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL.

ROOTS RADIATE FROM TRUNK AND REACH SIDE OF ROOT BALL WITHOUT DEFECTING DOWN OR AROUND.

REJECTABLE

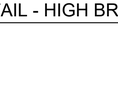


STRUCTURAL ROOTS CIRCLING INTERIOR OF ROOT BALL. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.



ONLY ABSORBING ROOTS REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL. STRUCTURAL ROOTS MOSTLY WRAP OR ARE DEFLECTED ON THE ROOT BALL INTERIOR.

STRUCTURAL ROOTS DESCEND INTO ROOT BALL INTERIOR. NO STRUCTURAL ROOTS ARE HORIZONTAL AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.



STRUCTURAL ROOTS CIRCLE AND DO NOT RADIATE FROM THE TRUNK.

STRUCTURAL ROOTS PRIMARILY GROW TO ONE SIDE.

STRUCTURAL ROOTS MISSING FROM ONE SIDE, AND/ OR GROW TANGENT TO TRUNK.

NOTES:
1. OBSERVATIONS OF ROOTS SHALL OCCUR PRIOR TO ACCEPTANCE. ROOTS AND SOIL MAY BE REMOVED DURING THE OBSERVATION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER THE OBSERVATIONS HAVE BEEN COMPLETED.
2. SEE SPECIFICATIONS FOR OBSERVATION PROCESS AND REQUIREMENTS.

3 ROOT OBSERVATIONS DETAIL - BALLED & BURLAPPED

1" = 1'-0" P-CH1-12

ACCEPTABLE

Example		
A	B	Aspect Ratio
1.50"	0.50"	0.33
2.50"	0.90"	0.36
2.0"	1.00"	0.50
2.50"	1.60"	0.64

ASPECT RATIO OF B:A LESS THAN 0.66 AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.

REJECTABLE

EXAMPLE		
A	B	ASPECT RATIO
2.50"	1.80"	0.72
2.0"	2.0"	1.0
2.50"	2.0"	0.80
4.0"	3.0"	0.75

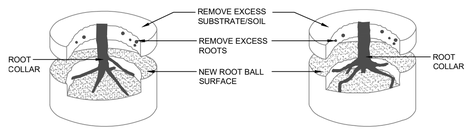
ASPECT RATIO OF B:A GREATER THAN OR EQUAL TO .66 AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.

NOTES:
1. ASPECT RATIO SHALL BE LESS THAN 0.66 ON ALL BRANCH UNIONS. ASPECT RATIO IS THE DIAMETER OF BRANCH (B) DIVIDED BY THE DIAMETER OF THE TRUNK (A) AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.
2. ANY TREE NOT MEETING THE CROWN OBSERVATIONS DETAIL MAY BE REJECTED.

5 CROWN OBSERVATIONS DETAIL - HIGH BRANCHED

1/4" = 1'-0" P-CH1-14

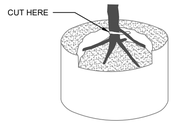
STEP 1 - REMOVE SUBSTRATE OVER ROOT COLLAR



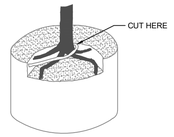
TREE PLANTED TOO DEEPLY IN ROOT BALL. REMOVE EXCESS SUBSTRATE AND ROOTS TO MEET ROOT INSPECTION DETAIL.

TREE PLANTED TOO DEEPLY IN ROOT BALL. REMOVE EXCESS SUBSTRATE AND ROOTS TO MEET ROOT INSPECTION DETAIL.

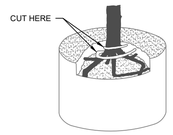
STEP 2 - REMOVE DEFECTS



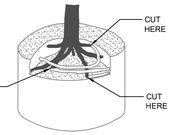
FIVE STRUCTURAL (LARGE) ROOTS SHOWN IN BLACK. REMOVE STRUCTURAL ROOT (WHITE) WRAPPING ROOT COLLAR.



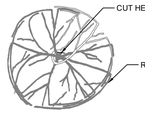
FOUR STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE ROOT (WHITE) GROWING OVER STRUCTURAL ROOTS.



SIX STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE ROOTS (WHITE) GROWING OVER ROOT COLLAR BY CUTTING THEM JUST BEFORE THEY MAKE AN ABRUPT TURN.



SEVEN STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE STRUCTURAL ROOTS (WHITE) GROWING AROUND OR OVER ROOT COLLAR BY CUTTING THEM JUST BEFORE THEY MAKE AN ABRUPT TURN.



CUT STRUCTURAL ROOT JUST BEFORE IT MAKES ABRUPT TURN. PRUNING CUT SHOULD BE MADE TANGENT (PARALLEL) TO THE TRUNK.

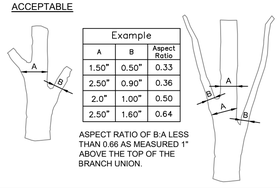
CUT STRUCTURAL ROOTS JUST BEFORE THEY MAKE ABRUPT TURN BY CUTTING TANGENT (PARALLEL) TO THE TRUNK (TWO CUTS SHOWN).

NOTES:
1. ALL TREES SHOWN ARE REJECTABLE UNLESS THEY UNDERGO RECOMMENDED CORRECTION.
2. FIRST STEP 1, THEN STEP 2. ROOTS AND SOIL MAY BE REMOVED DURING THE CORRECTION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER CORRECTION HAS BEEN COMPLETED.
3. TREES SHALL MEET ROOT OBSERVATIONS DETAIL FOLLOWING CORRECTION.
4. SMALL ROOTS (1/4" OR LESS) ON THE PERIPHERY OF THE ROOT BALL ARE COMMON WITH CONTAINER PLANT PRODUCTION. THESE SMALL ROOTS ARE NOT DEFINED AS "DEFECTS" AND CAN BE ADDRESSED AT THE TIME OF INSTALLATION (SEE ROOT BALL SHAVING CONTAINER DETAIL).

2 ROOT CORRECTION DETAIL - CONTAINER

1 1/2" = 1'-0" P-CH1-11

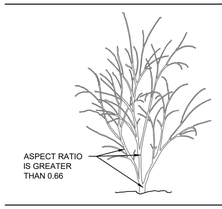
ACCEPTABLE

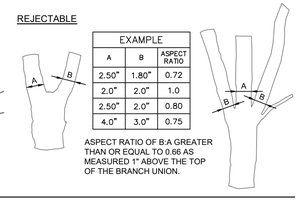


Example		
A	B	Aspect Ratio
1.50"	0.50"	0.33
2.50"	0.90"	0.36
2.0"	1.00"	0.50
2.50"	1.60"	0.64

ASPECT RATIO OF B:A LESS THAN 0.66 AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.

REJECTABLE





EXAMPLE		
A	B	ASPECT RATIO
2.50"	1.80"	0.72
2.0"	2.0"	1.0
2.50"	2.0"	0.80
4.0"	3.0"	0.75

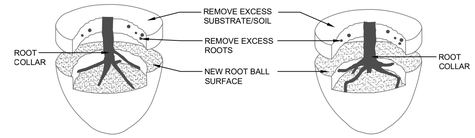
ASPECT RATIO OF B:A GREATER THAN OR EQUAL TO 0.66 AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.

NOTES:
1. ASPECT RATIO SHALL BE LESS THAN 0.66 ON ALL BRANCH UNIONS. ASPECT RATIO IS THE DIAMETER OF BRANCH (B) DIVIDED BY THE DIAMETER OF THE TRUNK (A) AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.
2. ANY TREE NOT MEETING THE CROWN OBSERVATIONS DETAIL MAY BE REJECTED.

6 CROWN OBSERVATIONS DETAIL - MULTI

1/4" = 1'-0" P-CH1-15

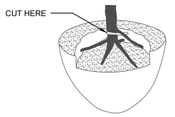
STEP 1 - REMOVE SUBSTRATE AND ROOTS OVER THE ROOT COLLAR



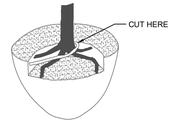
TREE PLANTED TOO DEEPLY IN ROOT BALL. REMOVE EXCESS SUBSTRATE AND ROOTS TO MEET ROOT INSPECTION DETAIL.

TREE PLANTED TOO DEEPLY IN ROOT BALL. REMOVE EXCESS SUBSTRATE AND ROOTS TO MEET ROOT INSPECTION DETAIL.

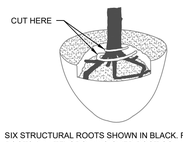
STEP 2 - REMOVE DEFECTS



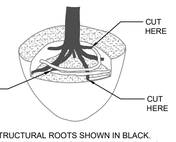
FIVE STRUCTURAL (LARGE) ROOTS SHOWN IN BLACK. REMOVE STRUCTURAL ROOT (WHITE) WRAPPING ROOT COLLAR.



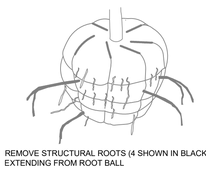
FOUR STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE ROOT (WHITE) GROWING OVER STRUCTURAL ROOTS.



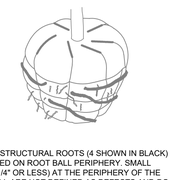
SIX STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE ROOTS (WHITE) GROWING OVER ROOT COLLAR BY CUTTING THEM JUST BEFORE THEY MAKE AN ABRUPT TURN.



SEVEN STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE STRUCTURAL ROOTS (WHITE) GROWING AROUND OR OVER ROOT COLLAR BY CUTTING THEM JUST BEFORE THEY MAKE AN ABRUPT TURN.



REMOVE STRUCTURAL ROOTS (4 SHOWN IN BLACK) EXTENDING FROM ROOT BALL

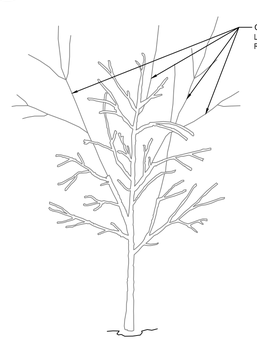


REMOVE STRUCTURAL ROOTS (4 SHOWN IN BLACK) DEFLECTED ON ROOT BALL PERIPHERY. SMALL ROOTS (1/4" OR LESS) AT THE PERIPHERY OF THE ROOT BALL ARE NOT DEFINED AS DEFECTS AND DO NOT NEED TO BE REMOVED.

NOTES:
1. ALL TREES SHOWN ARE REJECTABLE UNLESS THEY UNDERGO RECOMMENDED CORRECTION.
2. FIRST STEP 1, THEN STEP 2. ADJUST HOLE DEPTH TO ALLOW FOR THE REMOVAL OF EXCESS SOIL AND ROOTS OVER THE COLLAR.
3. ROOTS AND SOIL MAY BE REMOVED DURING THE CORRECTION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER CORRECTION HAS BEEN COMPLETED.
4. TREES SHALL MEET ROOT OBSERVATIONS DETAIL FOLLOWING CORRECTION.

4 ROOT CORRECTION DETAIL - BALLED & BURLAPPED

1 1/2" = 1'-0" P-CH1-13



A. BEFORE, DOMINANT TREE HAS SEVERAL CO-DOMINANT LEADERS, THE COMPETING LEADERS SHOULD BE PRUNED TO GIVE DOMINANCE TO THE CENTRAL LEADER. IF A TREE DOES NOT HAVE A CENTRAL LEADER, IT MAY BE REJECTED.

B. AFTER CORRECTIVE CROWN PRUNING, TREE HAS ONE DOMINANT CENTRAL LEADER.

NOTES:
1. ALL PRUNING SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST.
2. TREES ARE REJECTABLE UNLESS THEY HAVE DOMINANT CENTRAL LEADER OR ARE PRUNED TO REMOVE COMPETING LEADERS LEAVING A DOMINANT CENTRAL LEADER AND STILL MEET THE SPECIFIED HEIGHT AND SPREAD AS PER THE PROJECT TREE LIST.
3. TREE SHALL MEET CROWN OBSERVATION DETAIL FOLLOWING CORRECTION.
4. TOTAL FOLIAGE REMOVED SHALL BE LESS THAN 30%.

7 CROWN CORRECTION DETAIL

1/2" = 1'-0" P-CH1-16

CRANSTON

SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

State of South Carolina REGISTERED LANDSCAPE ARCHITECT No. 1396 LAWRENCE FRANK CHEELY

REV #	DATE	DESCRIPTION

CHAPIN RETAIL MOB

OBSERVATION AND CORRECTION DETAILS

DRAWN BY:	SRN
CHECKED BY:	LNA
APPROVED BY:	LFC
DATE:	05/16/2025
SCALE:	1" = 20'
JOB No.	2024-0249
DRAWING No.	L202

G:\PROJECTS\2024\2024-0249_CHAPIN RETAIL MOB\AC-DRAWINGS\X-REFS\2024-0249_LAND.DWG 8/15/2025 4:47 PM

LEXINGTON AVE (S-83)
VARIABLE WIDTH PUBLIC R/W
D.B. 19476, PG. 121

SDMH
RIM: 463.55
IN: 459.56
OUT: 459.32

SDMH
RIM: 464.52
OUT: 454.27

SDMH
RIM: 463.01
IN: 459.17
OUT: 459.13

SSMH
RIM: 463.31
IN: 452.18
OUT: 451.98

SDMH
RIM: 463.15
IN: 458.28
RIM: 457.78

SEE ADS TRENCH DRAIN DETAIL SHEET C503

TRENCH DRAIN
149 LF - 12" HDPE
@ 0.50%

GT B2
GRATE: 459.50'
12"IE(IN): 457.70'
12"IE(OUT): 457.70'

52 LF - 12" HDPE
@ 1.00%

EX B1
TOP: 461.99'
B/C: 461.49'
12"IE(IN): 457.18'

SDMH
RIM: 461.99
IN: 457.18
OUT: 456.82

TIE TO EXISTING STURCTURE

PROPOSED BUILDING
12,170 SF
FFE=460.00'

GT A4
GRATE: 456.49'
15"IE(OUT): 455.05'

DWT A2
TOP: 451.71'
B/C: 451.21'
18"IE(IN): 444.42'
18"IE(OUT): 440.42'

135 LF - 15" HDPE
@ 7.00%

DWT A3
TOP: 451.52'
B/C: 451.02'
15"IE(IN): 445.59'
18"IE(OUT): 445.49'

107 LF - 18" HDPE
@ 1.00%

EX A1
TOP: 446.10'
B/C: 445.60'
18"IE(IN): 439.50'

18 LF - 18" HDPE
@ 5.00%

TIE TO EXISTING STURCTURE

CAST NEW CURB INLET COVER INTO NEW CURB

SDMH
RIM: 450.80
IN(A): 445.49
IN(B): 438.64
OUT: 438.39

SDMH
RIM: 448.74
OUT: 444.50

SDMH
RIM: 448.56
IN: 438.26
OUT: 437.93

SDMH
RIM: 449.72
IN: 445.02
OUT: 444.52

RIM: 446.58
IN(A): 435.79
IN(B): 433.83

WATER STREET (LOCAL)

OUTPARCEL 2
CHAPIN OUT PARCELS LLC
D.B. 21002, PG. 5214
M.B. 19476, PG. 0123
GENERAL COMMERCIAL-UNIMPROVED

OUTPARCEL 4
CHAPIN OUT PARCELS LLC
D.B. 21002, PG. 5224
M.B. 19476, PG. 0123
GENERAL COMMERCIAL-UNIMPROVED

SHOPPING CENTER TRACT
CHAPIN & LEX LLC
D.B. 19476, PG. 0121
M.B. 515, PG. 10
SHOPPING CENTER-NEIGHBORHOOD

PLAN
HORIZONTAL SCALE 1"=20'

20 10 0 20 40
SCALE IN FEET

CRANSTON

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
NO.39320
RYAN D. SHERIDAN
07/16/2025

SOUTH CAROLINA
Cranston Engineering Group
NO. C00575
CERTIFICATE OF AUTHORIZATION

REV #	DATE	DESCRIPTION
1	7/16/2025	GRADING FOR SIDEWALK ADDITION

CHAPIN RETAIL MOB

GRADING & DRAINAGE PLAN

DRAWN BY:	AKS
CHECKED BY:	AKS
APPROVED BY:	RDS
DATE:	MAY 16, 2025
SCALE:	1" = 20'
JOB No.	2024-0249
DRAWING No.	C301

South Carolina 811 Call 811 Before You Dig

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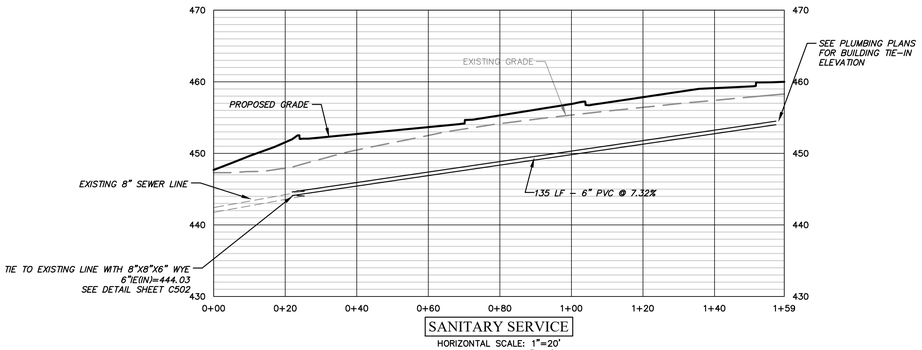
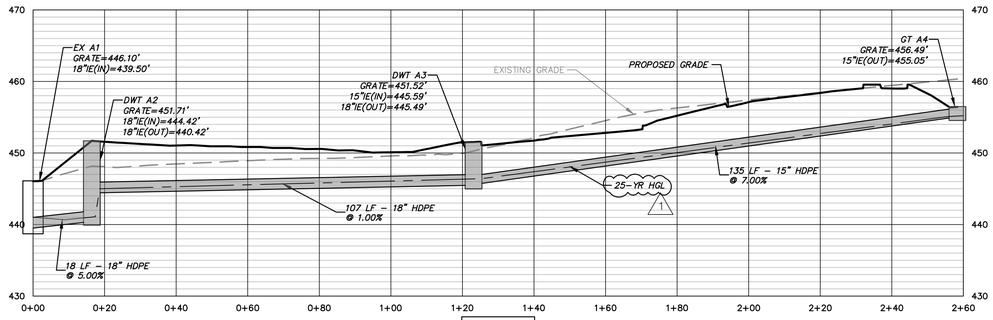


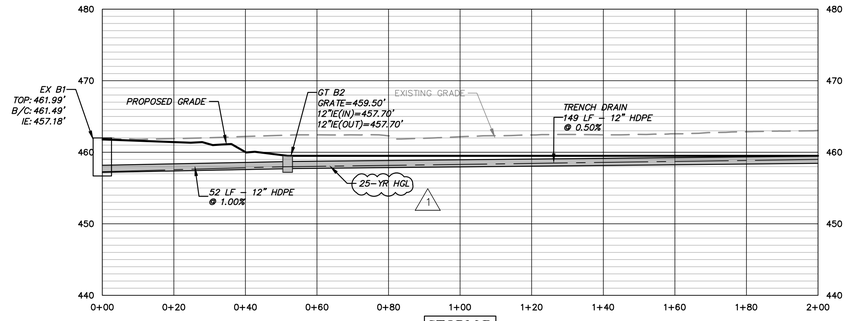
SANITARY SERVICE

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=10'



STORM A

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=10'



STORM B

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=10'

CRANSTON

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
NO.39320
RYAN D. SHERIDAN

08/06/2025

SOUTH CAROLINA
Cranston Engineering Group
NO. C00575
CERTIFICATE OF AUTHORIZATION

REV #	DATE	DESCRIPTION
1	8/6/2025	PER COUNTY COMMENT

CHAPIN RETAIL MOB

PROFILES

DRAWN BY:	AKS
CHECKED BY:	AKS
APPROVED BY:	RDS
DATE:	MAY 16, 2025
SCALE:	1" = 20'
JOB No.	2024-0249
DRAWING No.	C302

South Carolina 811 Call 811 Before You Dig

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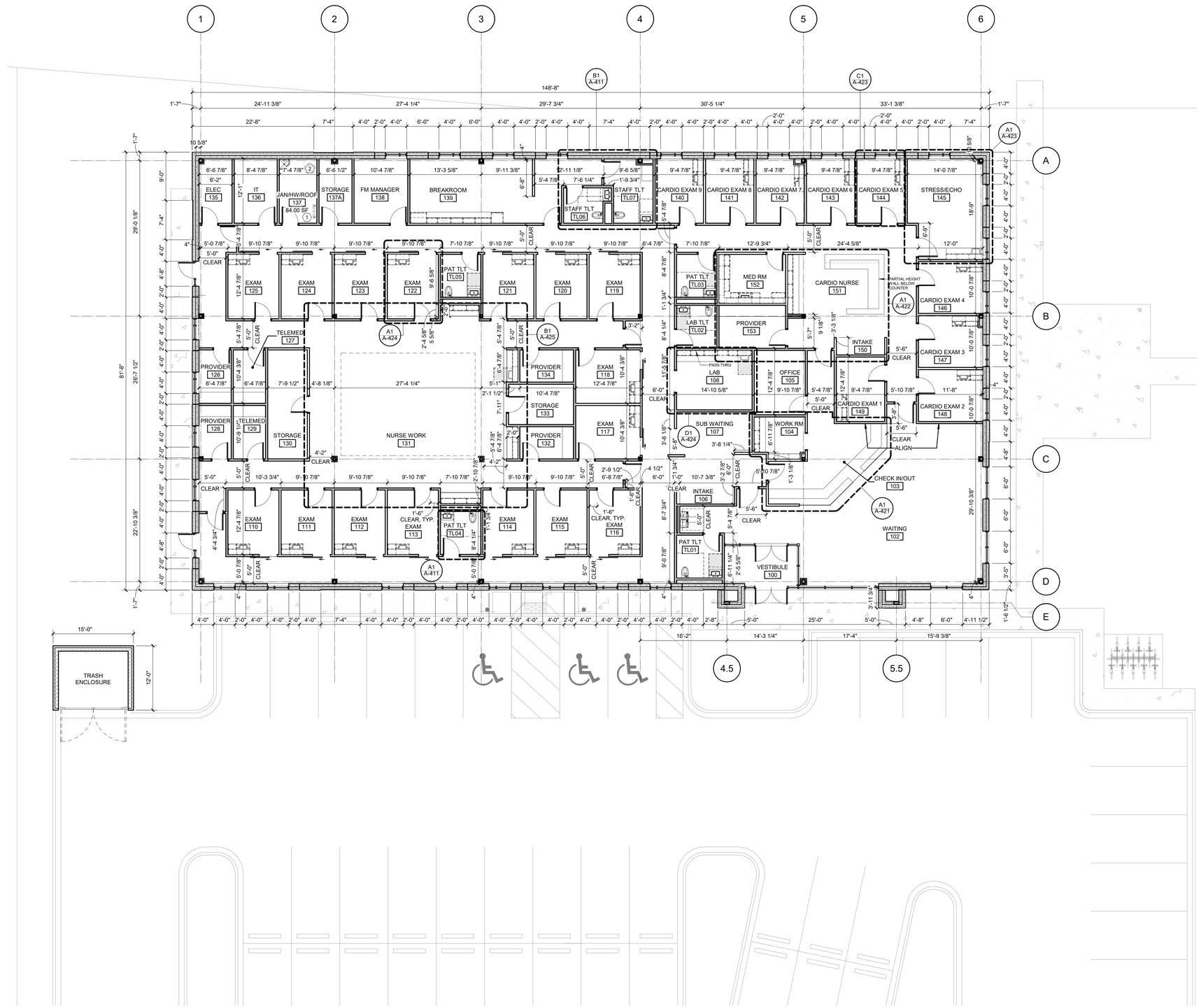
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT FULL SIZED PLOTS. IF NOT, ADJUST SCALE ACCORDINGLY. PLOT SIZE:

# NUMBER	FLOOR PLAN NOTES BY NUMBER NOTE
1	PREFINISHED ROOF ACCESS LADDER
2	WATER HEATER
3	RECESSED BABY CHANGING STATION



FLOOR PLAN - DIMENSIONS

A1 — 1/8" = 1'-0"

TRUE NORTH / PROJECT NORTH

FLOOR PLAN SHEET NOTES

A. EXTERIOR DIMENSIONS AT MASONRY VENEER ARE COURSING, NOT ACTUAL AND ARE TO FACE OF MASONRY.
B. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF FINISH, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
C. LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL.
D. RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE. ALL PENETRATIONS AND TERMINAL JOINTS ARE TO BE INSTALLED AS SHOWN IN APPLICABLE UL JOINT OR PENETRATION DETAIL.
E. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.
F. RATED WALLS INTERSECTING EXTERIOR WALLS SHALL EXTEND TO THE INSIDE FACE OF EXTERIOR SHEATHING.
G. INSTALL FIRE RETARDANT BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, TRIM, AND RELATED CONSTRUCTION.
H. SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE RATED AND SMOKE WALLS
I. SEE SHEET A-001 FOR CONSTRUCTION SUBSYSTEMS AND PARTITION SCHEDULE
J. SEE SHEET A-012 & A-701 FOR INTERIOR ELEVATIONS, ACCESSORY DESCRIPTIONS & MOUNTING HEIGHTS.
K. SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS.
L. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR MASONRY CONTROL JOINTS
M. FIELD VERIFY LOCATION OF INTERIOR WALL & CEILING CONTROL JOINTS REQUIRED IN THE SPECIFICATION WITH ARCHITECT PRIOR TO INSTALLATION.
N. WALLS, INCLUDING GYP. BD. AT PERIMETER OF ROOMS/SPACES WITHOUT CEILINGS, i.e. EXPOSED STRUCTURE, SHALL EXTEND TO STRUCTURE ABOVE.

PARTITION GRAPHICS

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE.
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

COLOR LEGEND

NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.

NON-RATED PARTITION TO DECK

THE KEITH CORPORATION

LS3P

600 SOUTH TRYON STREET, SUITE 2000
CHARLOTTE, NORTH CAROLINA 28202
TEL. 704.333.6686 FAX. 704.333.2926
WWW.LS3P.COM

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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME: FLOOR PLAN- DIMENSIONS

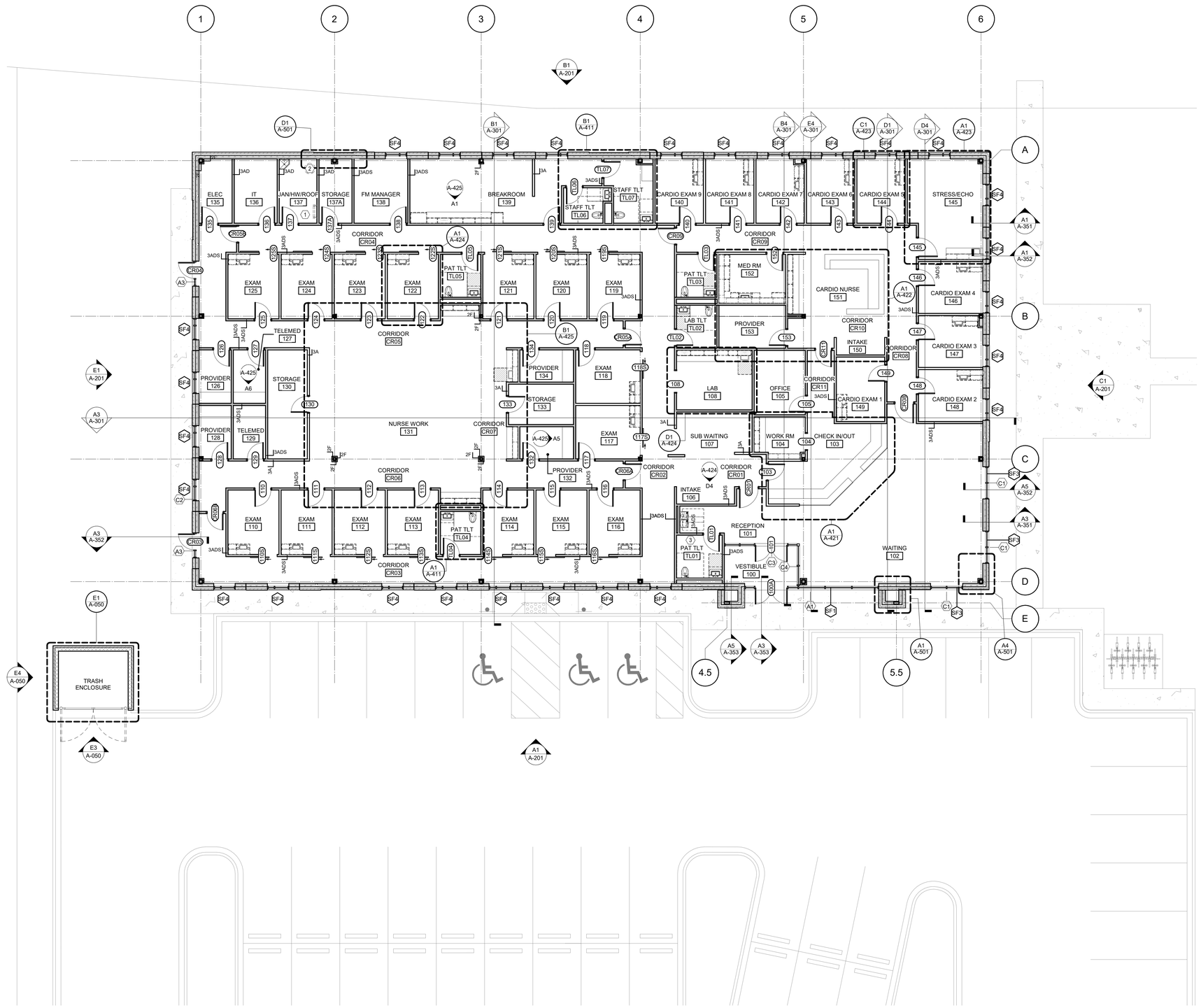
ORIG SUBMISSION: 2025.07.15

SHEET: A-101

CONSTRUCTION DOCUMENTS PROGRESS

7/15/2025 7:37:28 PM

#	FLOOR PLAN NOTES BY NUMBER
NUMBER	NOTE
1	PREFINISHED ROOF ACCESS LADDER
2	WATER HEATER
3	RECESSED BABY CHANGING STATION



FLOOR PLAN SHEET NOTES

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B. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF FINISH, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
C. LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL.
D. RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE. ALL PENETRATIONS AND TERMINAL JOINTS ARE TO BE INSTALLED AS SHOWN IN APPLICABLE UL JOINT OR PENETRATION DETAIL.
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F. RATED WALLS INTERSECTING EXTERIOR WALLS SHALL EXTEND TO THE INSIDE FACE OF EXTERIOR SHEATHING.
G. INSTALL FIRE RETARDANT BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, TRIM, AND RELATED CONSTRUCTION.
H. SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE RATED AND SMOKE WALLS
I. SEE SHEET A-001 FOR CONSTRUCTION SUBSYSTEMS AND PARTITION SCHEDULE.
J. SEE SHEET A-012 & A-701 FOR INTERIOR ELEVATIONS, ACCESSORY DESCRIPTIONS & MOUNTING HEIGHTS.
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M. FIELD VERIFY LOCATION OF INTERIOR WALL & CEILING CONTROL JOINTS REQUIRED IN THE SPECIFICATION WITH ARCHITECT PRIOR TO INSTALLATION.
N. WALLS, INCLUDING GYP. BD. AT PERIMETER OF ROOMS/SPACES WITHOUT CEILINGS, i.e. EXPOSED STRUCTURE, SHALL EXTEND TO STRUCTURE ABOVE.

PARTITION GRAPHICS

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

COLOR LEGEND

NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.

NON-RATED PARTITION TO DECK

TRUE NORTH PROJECT NORTH

A1 **FLOOR PLAN - TAGS**
1/8" = 1'-0"

7/15/2025 7:37:33 PM

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH E SHEETS ORIGINAL PLOT SIZE

THE KEITH CORPORATION

LS3P
600 SOUTH TRYON STREET, SUITE 2000
CHARLOTTE, NORTH CAROLINA 28202
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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

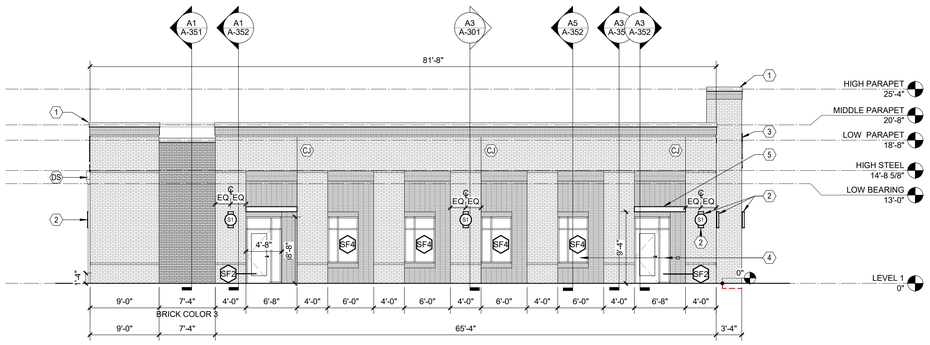
SHEET NAME:
FLOOR PLAN- TAGS

ORIG SUBMISSION: 2025.07.15

SHEET:
A-102

CONSTRUCTION DOCUMENTS PROGRESS

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ALL SHEETS ORIGINAL PAPER SIZE



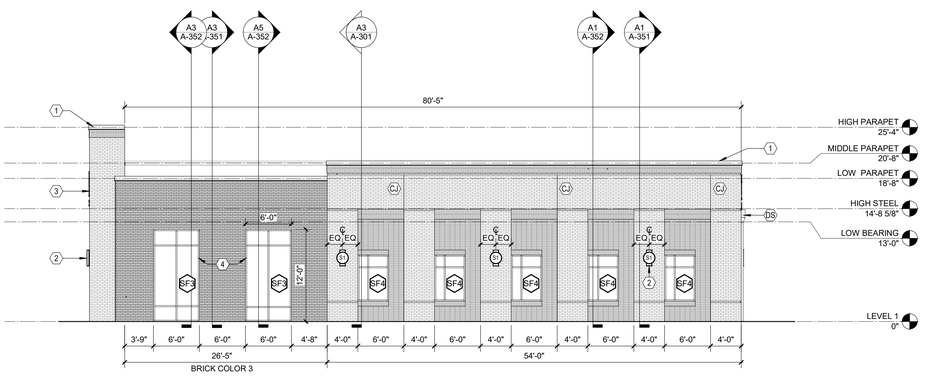
NORTH ELEVATION MATERIAL CALCULATION:

- TOTAL WALL AREA = 1,763 SF
- AREA/PERCENTAGE OF WINDOWS/DOORS = 177 SF / 10%
- AREA/PERCENTAGE OF BRICK = 1,586 SF / 90%
- AREA/PERCENTAGE OF ALTERNATE MATERIALS = 0 SF / 0.0%

NOTE - MEASUREMENTS ARE BASED ON FLAT ELEVATIONS & EXCLUDES CANOPIES

E1 ELEVATION- EXTERIOR- NORTH - OUTPARCEL 2

1/8" = 1'-0"



SOUTH ELEVATION MATERIAL CALCULATION:

- TOTAL WALL AREA = 1,725 SF
- AREA/PERCENTAGE OF WINDOWS/DOORS = 264 SF / 15.3%
- AREA/PERCENTAGE OF BRICK = 1,461 SF / 84.7%
- AREA/PERCENTAGE OF ALTERNATE MATERIALS = 0 SF / 0%

NOTE - MEASUREMENTS ARE BASED ON FLAT ELEVATIONS & EXCLUDES CANOPIES

C1 ELEVATION- EXTERIOR- SOUTH - ACCESS DRIVE / OUTPARCEL 4

1/8" = 1'-0"

EAST ELEVATION MATERIAL CALCULATION:

- TOTAL WALL AREA = 3,043 SF
- AREA/PERCENTAGE OF WINDOWS/DOORS = 240 SF / 7.9%
- AREA/PERCENTAGE OF BRICK = 2,803 SF / 92.1%
- AREA/PERCENTAGE OF ALTERNATE MATERIALS = 0 SF / 0.00%

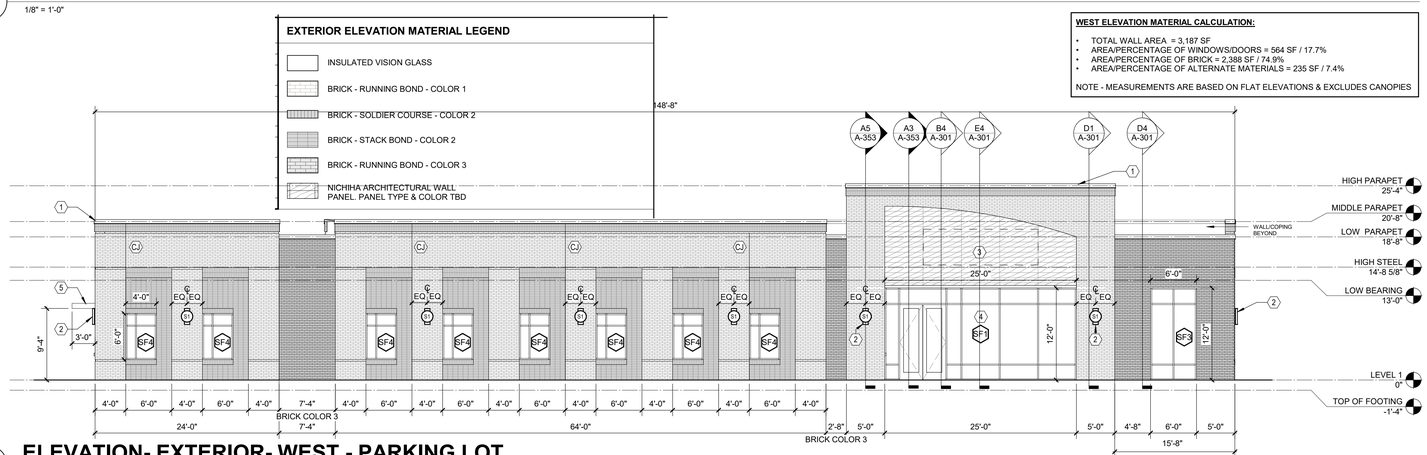
NOTE - MEASUREMENTS ARE BASED ON FLAT ELEVATIONS & EXCLUDES CANOPIES

B1 ELEVATION- EXTERIOR- EAST - LEXINGTON AVE.

1/8" = 1'-0"

EXTERIOR ELEVATION MATERIAL LEGEND

- INSULATED VISION GLASS
- BRICK - RUNNING BOND - COLOR 1
- BRICK - SOLDIER COURSE - COLOR 2
- BRICK - STACK BOND - COLOR 2
- BRICK - RUNNING BOND - COLOR 3
- NICHIHA ARCHITECTURAL WALL PANEL. PANEL TYPE & COLOR TBD



WEST ELEVATION MATERIAL CALCULATION:

- TOTAL WALL AREA = 3,187 SF
- AREA/PERCENTAGE OF WINDOWS/DOORS = 564 SF / 17.7%
- AREA/PERCENTAGE OF BRICK = 2,388 SF / 74.9%
- AREA/PERCENTAGE OF ALTERNATE MATERIALS = 235 SF / 7.4%

NOTE - MEASUREMENTS ARE BASED ON FLAT ELEVATIONS & EXCLUDES CANOPIES

A1 ELEVATION- EXTERIOR- WEST - PARKING LOT

1/8" = 1'-0"

# NUMBER	ELEVATION NOTES BY NUMBER NOTE
1	PRE-MANUF., PRE-FINISHED METAL COPING CAP, COLOR TO MATCH ADJACENT BRICK
2	EXTERIOR WALL SCONCE
3	SIGNAGE, COORDINATE SIZE, LOCATION, BLOCKING & POWER REQUIREMENTS WITH OWNERS SIGNAGE VENDOR PRIOR TO CONSTRUCTION
4	EXTERIOR WALL SCONCE
4	STOREFRONT WINDOW/DOOR SYSTEM, COLOR TO BE SELECTED FROM FULL RANGE OF STANDARD COLORS
5	PRE-ENGINEERED, PRE FAB CANOPY, COLOR TO BE SELECTED FROM FULL RANGE OF STANDARD COLORS
CJ	CONTROL JOINT - COLOR TO MATCH ADJ BRICK. PROVIDE SAMPLES FOR ARCHITECT APPROVAL
DS	PRE-FINISHED DOWNSPOUT, COLOR TO MATCH ADJ. BRICK

EXTERIOR ELEVATION MATERIAL LEGEND

- INSULATED VISION GLASS
- BRICK - RUNNING BOND - COLOR 1
- BRICK - SOLDIER COURSE - COLOR 2
- BRICK - STACK BOND - COLOR 2
- BRICK - RUNNING BOND - COLOR 3
- NICHIHA ARCHITECTURAL WALL PANEL. PANEL TYPE & COLOR TBD

TOTAL BUILDING ELEVATION MATERIAL CALCULATION:

- **TOTAL WALL AREA: 9,718 SF**
  - *1,763 (N) + 1,725 (S) + 3,043 (E) + 3,187 (W) = 9,718 SF*
- **AREA/PERCENTAGE OF WINDOWS/DOORS: 1,245 SF / 12.8% Approximately**
  - *177 (N) + 264 (S) + 240 (E) + 564 (W) = 1,245 SF*
- **AREA/PERCENTAGE OF BRICK: 8,238 SF / 84.8% Approximately**
  - *1,586 (N) + 1,461 (S) + 2,803 (E) + 2,388 (W) = 8,238 SF*
- **AREA/PERCENTAGE OF ALTERNATE MATERIALS: 235 SF / 2.4% Approximately**
  - *0 (N) + 0 (S) + 0 (E) + 235 (W) = 235 SF*

NOTE - MEASUREMENTS ARE BASED ON FLAT ELEVATIONS & EXCLUDES CANOPIES

THE KEITH CORPORATION

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600 SOUTH TRYON STREET, SUITE 2000
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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME:
BUILDING ELEVATIONS

ORIG SUBMISSION: 2025.07.15

SHEET:
A-201

CONSTRUCTION DOCUMENTS PROGRESS

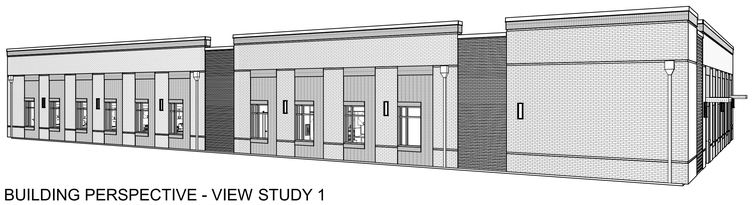
8/4/2025 2:56:42 PM

E D C B A

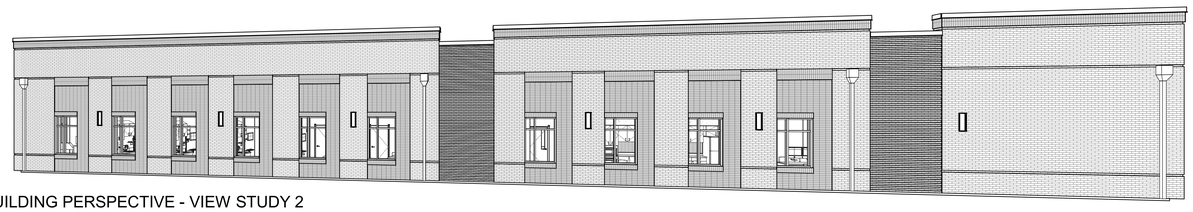
1 2 3 4 5 6

BUILDING PERSPECTIVE - FOR ILLUSTRATIVE PURPOSES ONLY

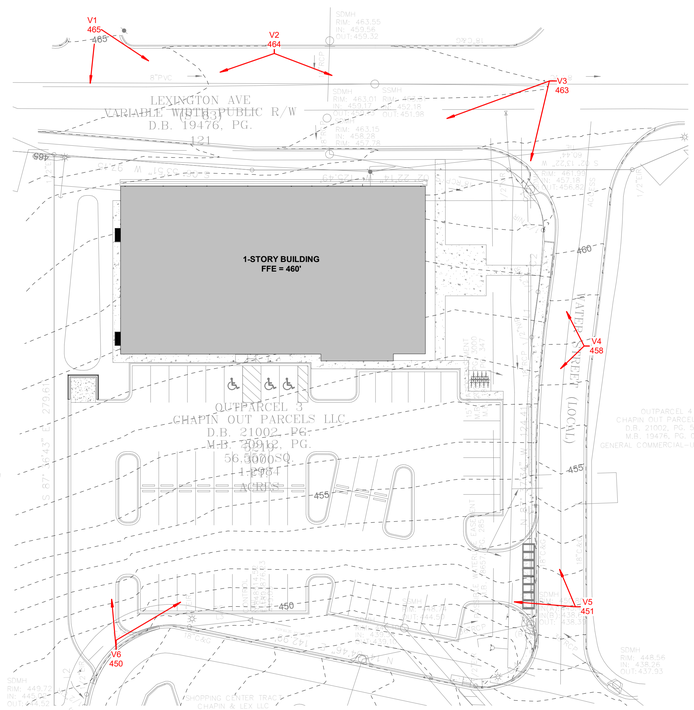
BUILDING PERSPECTIVE - FOR ILLUSTRATIVE PURPOSES ONLY



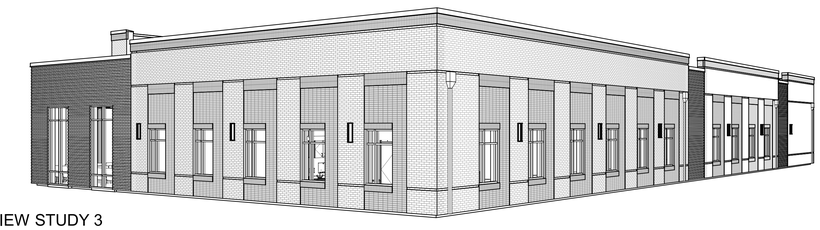
BUILDING PERSPECTIVE - VIEW STUDY 1
ELEVATION HEIGHT OF VIEW - 465'



BUILDING PERSPECTIVE - VIEW STUDY 2
ELEVATION HEIGHT OF VIEW - 464'



BUILDING PERSPECTIVE - PLAN



BUILDING PERSPECTIVE - VIEW STUDY 3
ELEVATION HEIGHT OF VIEW - 463'

BUILDING PERSPECTIVE - VIEW STUDY 4
ELEVATION HEIGHT OF VIEW - 458'

BUILDING PERSPECTIVE - VIEW STUDY 5
ELEVATION HEIGHT OF VIEW - 451'

BUILDING PERSPECTIVE - VIEW STUDY 6
ELEVATION HEIGHT OF VIEW - 450'

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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME:
BUILDING PERSPECTIVES

ORIG SUBMISSION: 2025.07.15

SHEET:
A-202

CONSTRUCTION DOCUMENTS PROGRESS

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ALL ORIGINAL PAGE SIZES

7/15/2025 7:38:13 PM

Dark Red Wirecut
Preferred by ARB @ August Meeting

Closely matches French Chateau and Boardwalk approved colors

French Chateau

Boardwalk

Dark Red Wirecut
Primary Building Brick

Sample Buildings

.25 Greystone

Highlights areas of depth and relief to provide accent.

Matches UDO approved Iced Mocha color

Iced Mocha

.25 Greystone
Accent Brick

Sample Buildings

Mocha

Provides highlights and accents and building contrast

Brick Color matches UDO Approved Morning Coffee & Ballet Barre

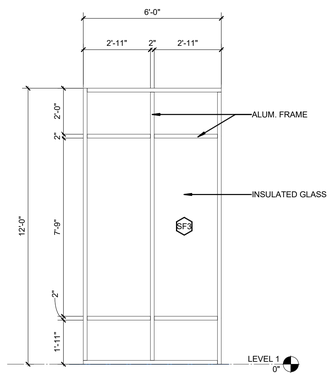
Morning Coffee

Ballet Barre

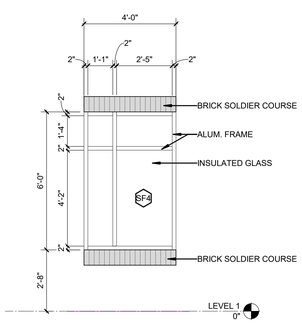
Mocha
Accent Brick

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH E SHEETS ORIGINAL PLOT SIZE

GENERAL NOTE:
1. ALL INTERIOR AND EXTERIOR GLASS IS TO BE TEMPERED
2. ALL EXTERIOR GLASS IS TO BE CLEAR LOW-E, INSULATED, TEMPERED WITH 40% MINIMUM VISIBLE LIGHT TRANSMITTANCE.



C1 STOREFRONT 03
3/8" = 1'-0"



C2 STOREFRONT 04
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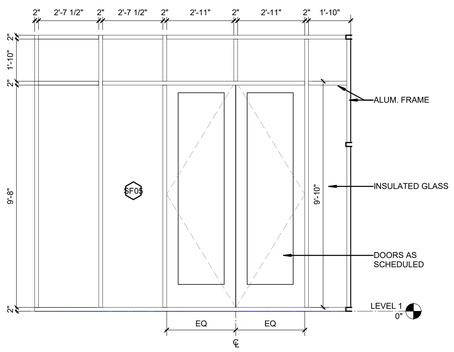
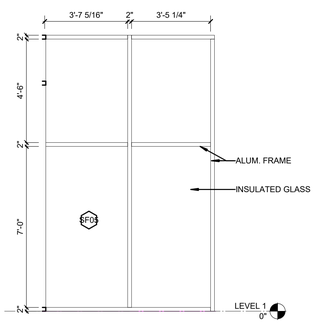
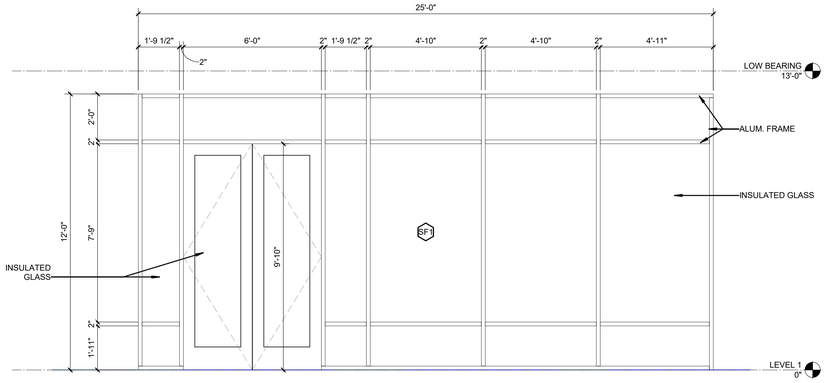


C3 STOREFRONT 05
3/8" = 1'-0"



C4 STOREFRONT 06
3/8" = 1'-0"



A1 STOREFRONT 01
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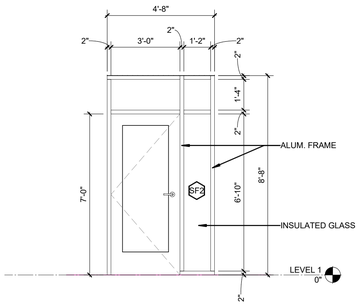
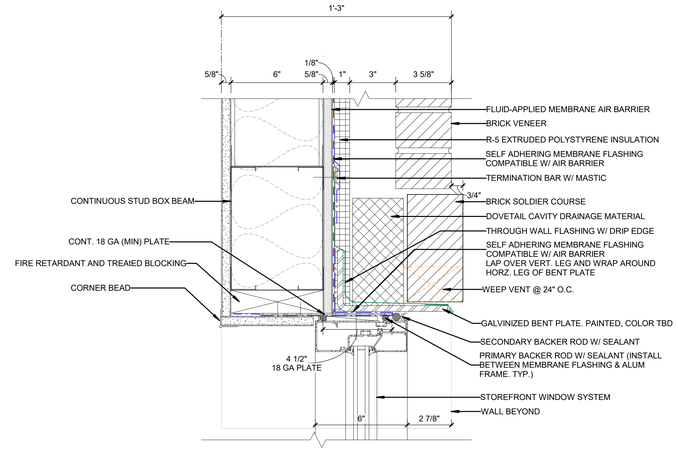
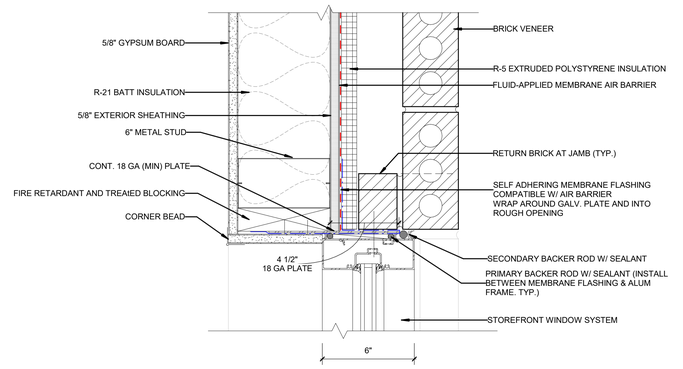


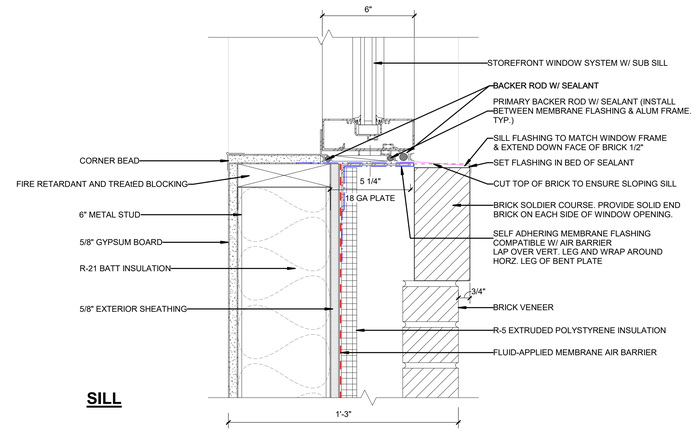
A3 STOREFRONT 02
3/8" = 1'-0"



HEAD



JAMB



SILL

A5 WINDOW HEAD, JAMB & SILL STOREFRONT WINDOW- GLAZING ALIGNED W/ CI
3" = 1'-0"

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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME:
WINDOW & STOREFRONT SCHEDULES

ORIG SUBMISSION: 2025.07.15

SHEET:
A-610

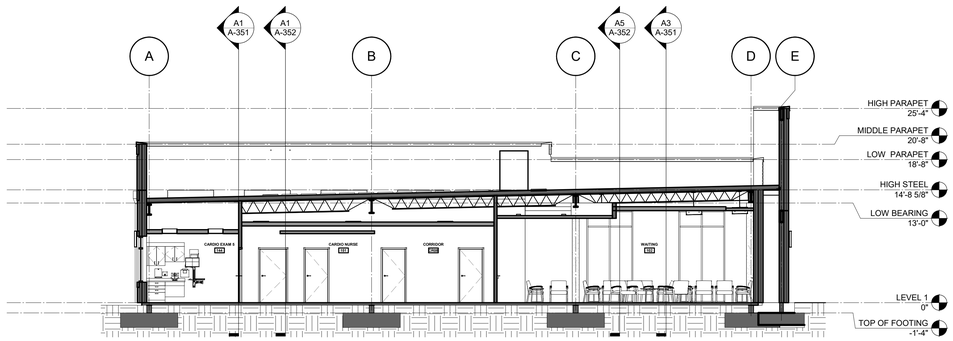
CONSTRUCTION DOCUMENTS PROGRESS

8/6/2025 9:00:49 AM

E D C B A

1 2 3 4 5 6

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL PLOT SIZE

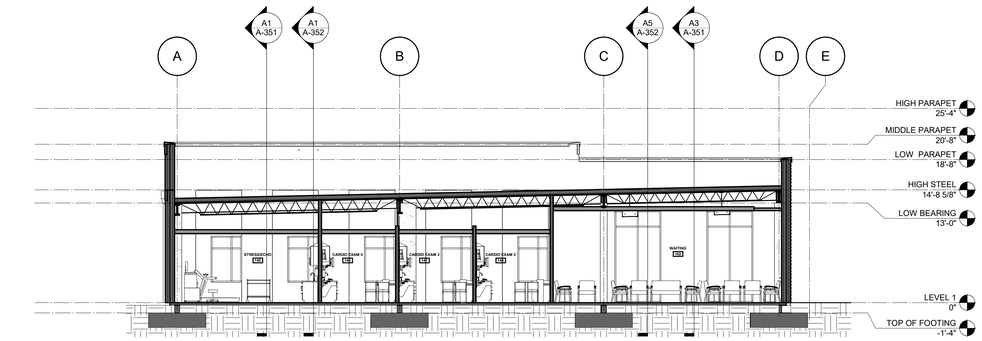


D1 BUILDING SECTION

1/8" = 1'-0"

B1 BUILDING SECTION

1/8" = 1'-0"



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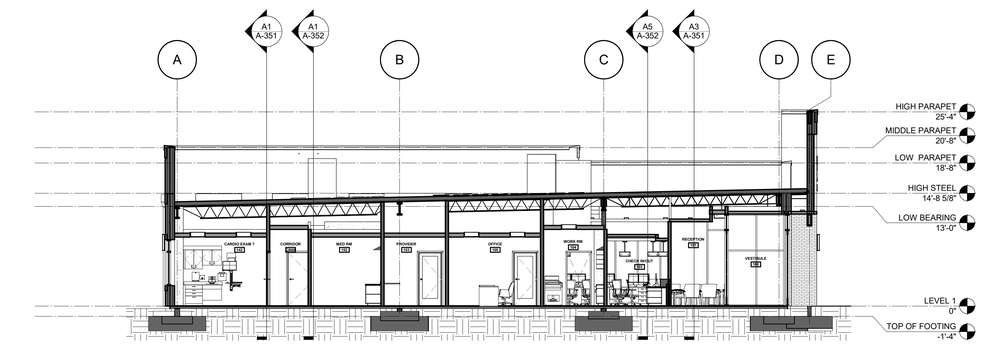
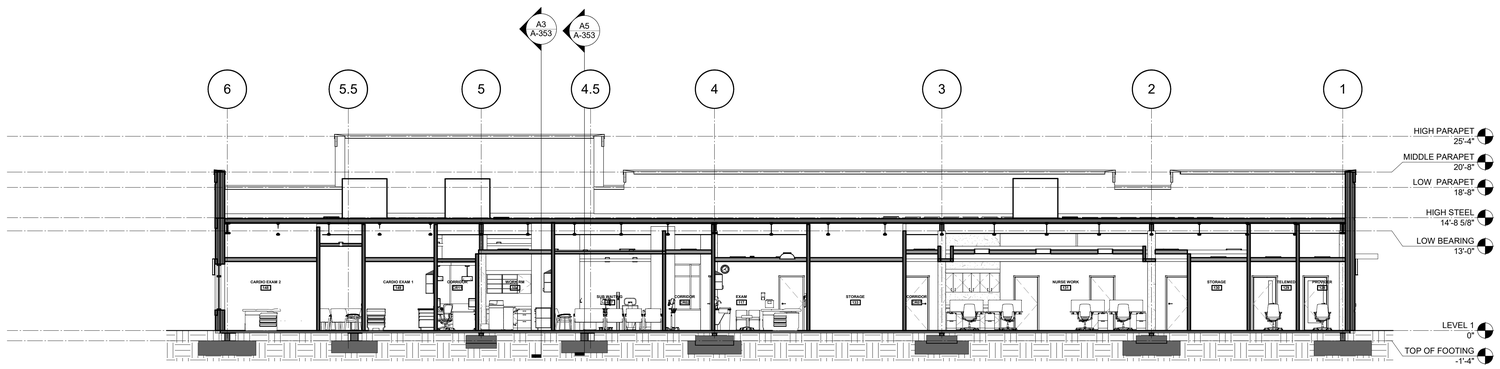


B4 BUILDING SECTION

1/8" = 1'-0"



A3 BUILDING SECTION

1/8" = 1'-0"

7/15/2025 7:38:22 PM

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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME:
BUILDING SECTIONS

ORIG SUBMISSION: 2025.07.15

SHEET:
A-301

CONSTRUCTION DOCUMENTS
PROGRESS

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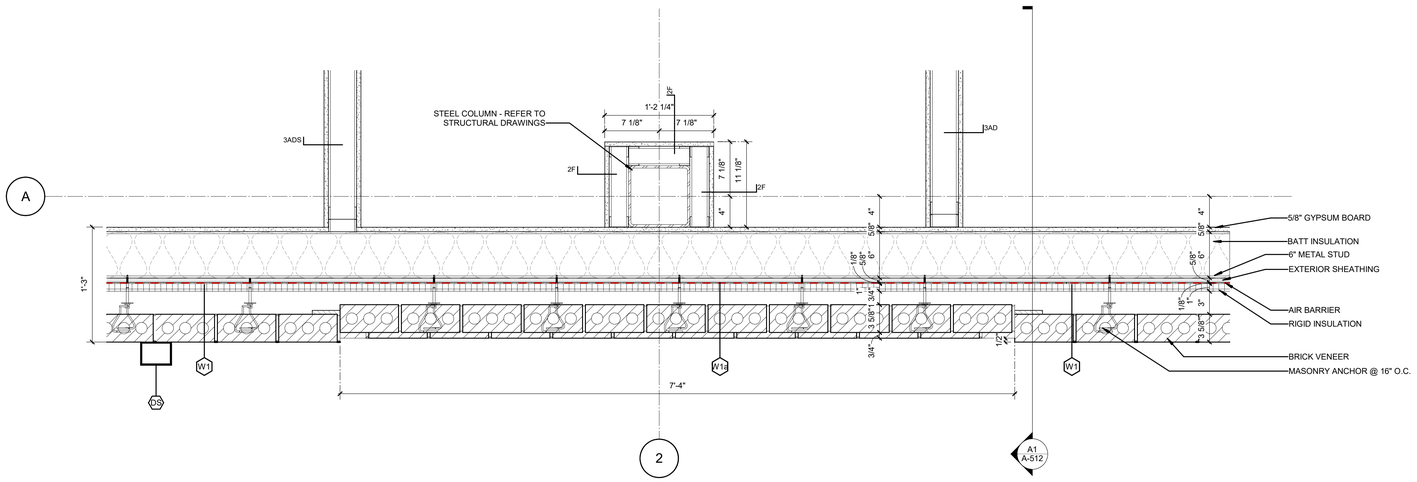
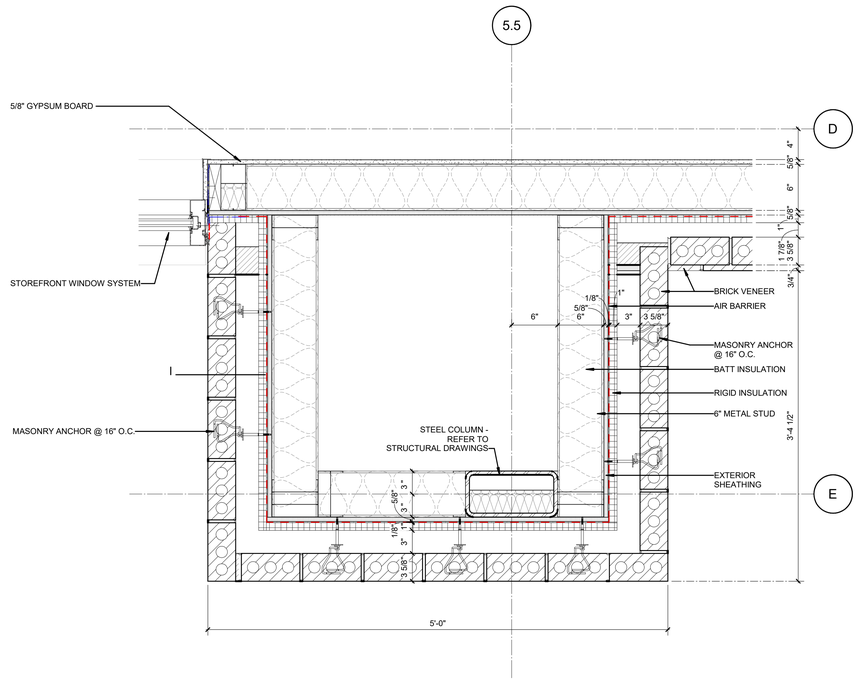


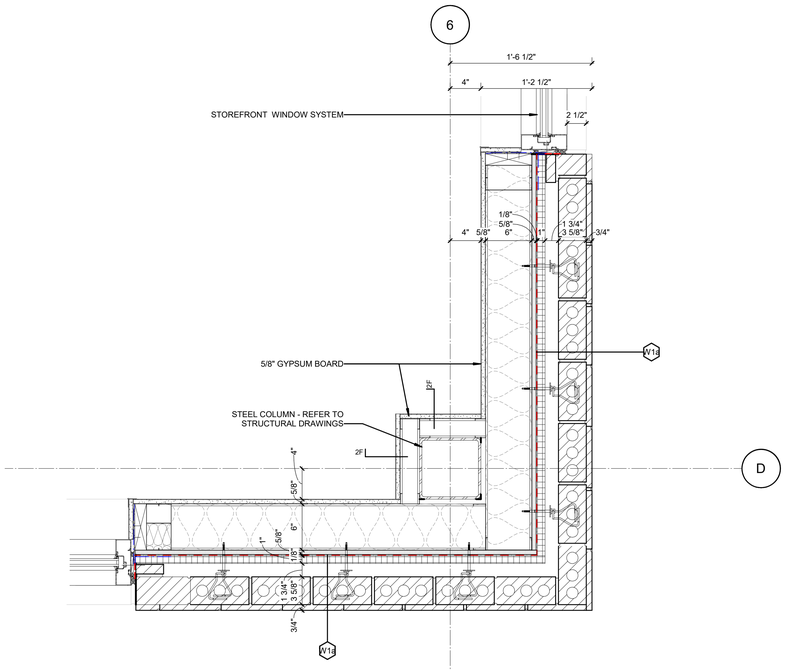
D1 PLAN DTL - EXTERIOR WALL AT COLUMN

1 1/2" = 1'-0"



A1 PLAN DTL - EXTERIOR COLUMN

1 1/2" = 1'-0"



A4 PLAN DTL - EXTERIOR CORNER AT COLUMN

1 1/2" = 1'-0"

MUSC
Medical University of South Carolina
THE KEITH CORPORATION
LS3P
600 SOUTH TRYON STREET, SUITE 2000
CHARLOTTE, NORTH CAROLINA 28202
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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME:
EXTERIOR WALL PLAN DETAILS

ORIG SUBMISSION: 2025.07.15

SHEET:
A-501

CONSTRUCTION DOCUMENTS
PROGRESS

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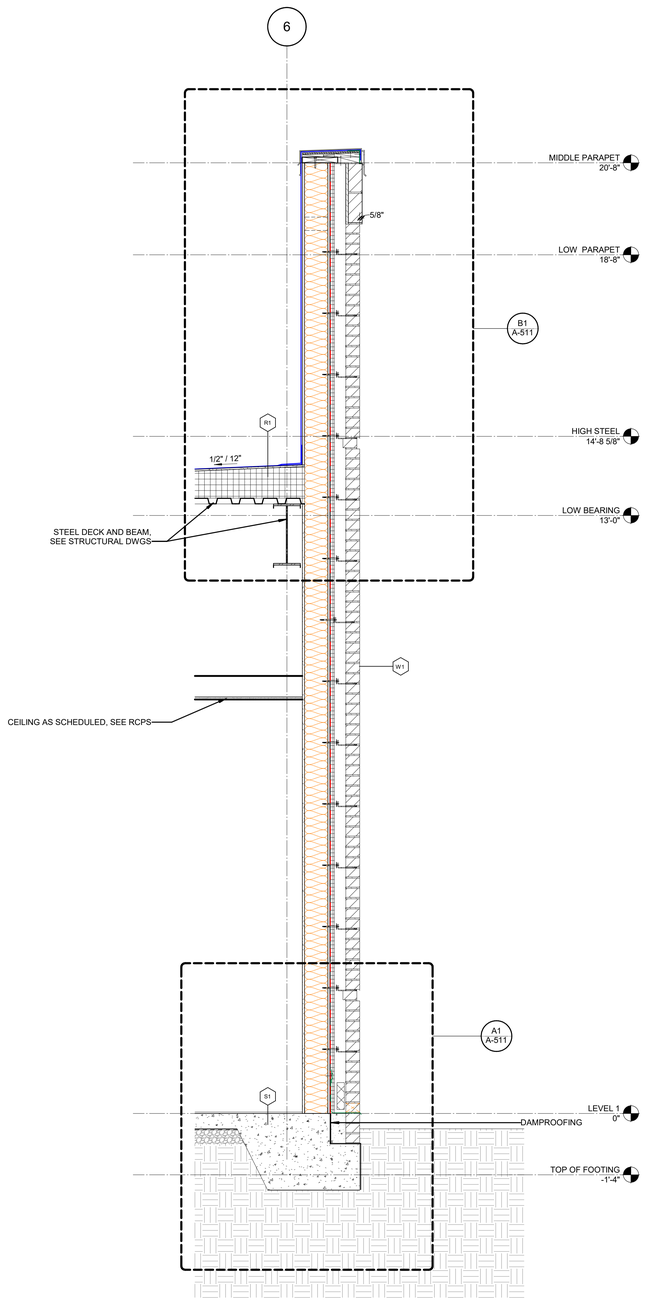

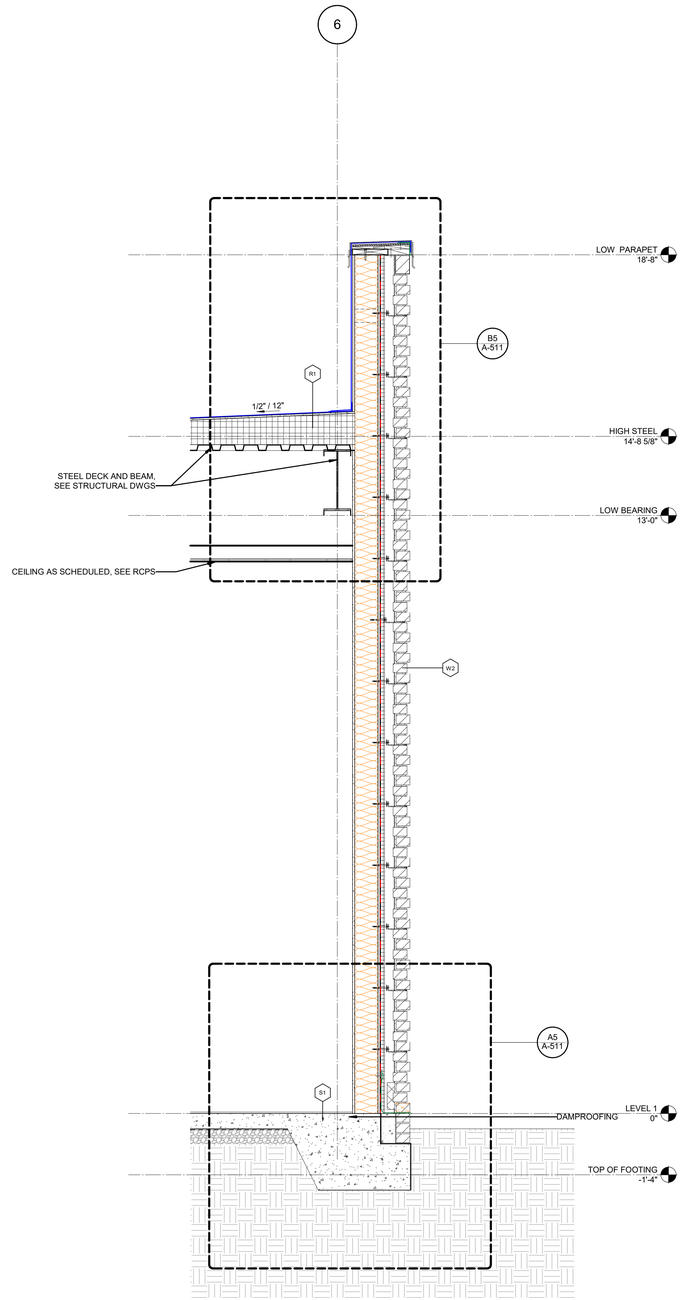

A1 SECTION THROUGH TYP. BRICK WALL - W1
3/4" = 1'-0"

A3 SECTION THROUGH RECESSED BRICK WALL - W2
3/4" = 1'-0"

7/15/2025 7:39:23 PM

THE KEITH CORPORATION

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600 SOUTH TRYON STREET, SUITE 2000
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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

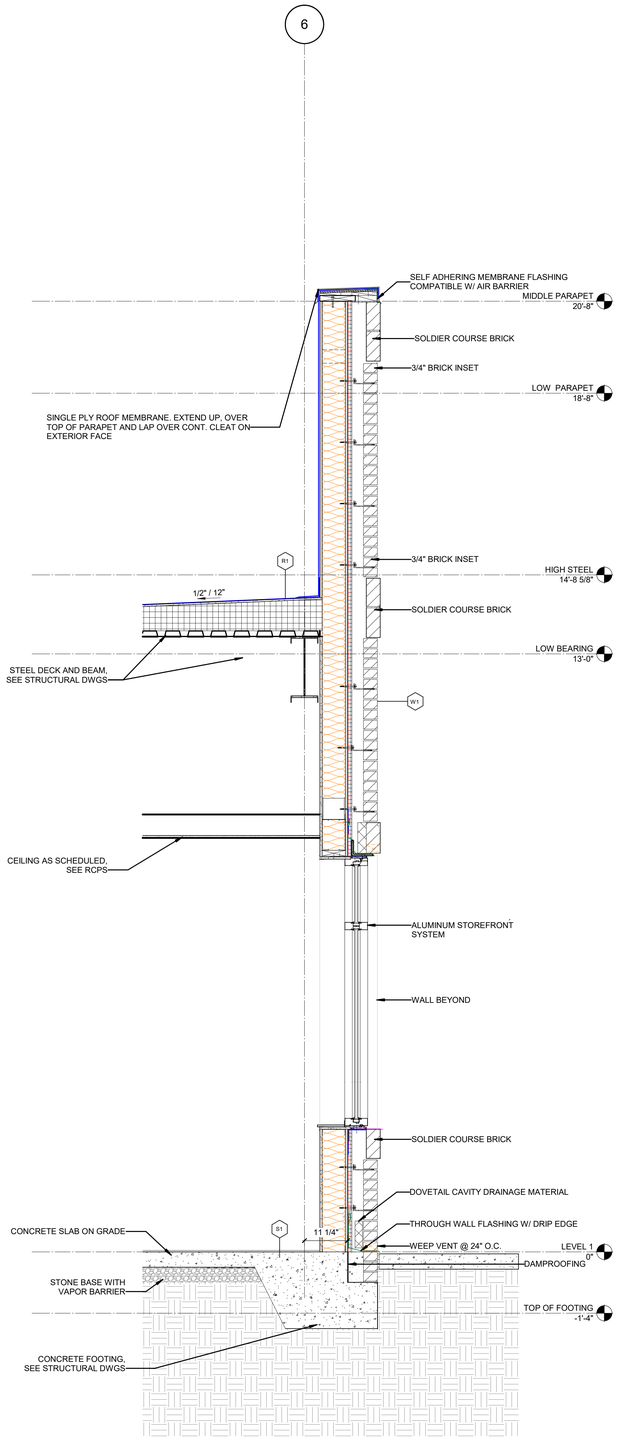
SHEET NAME:
WALL SECTIONS

ORIG SUBMISSION: 2025.07.15

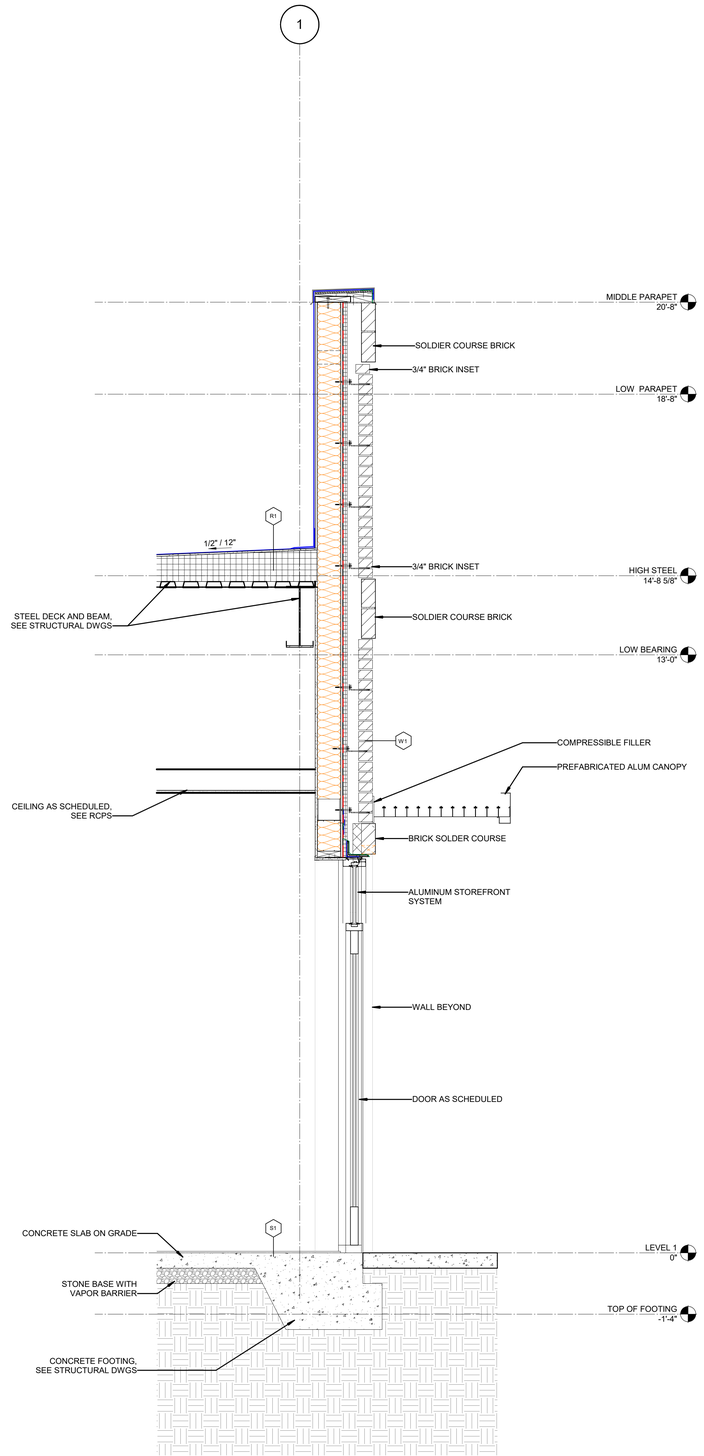
SHEET:
A-351

CONSTRUCTION DOCUMENTS
PROGRESS

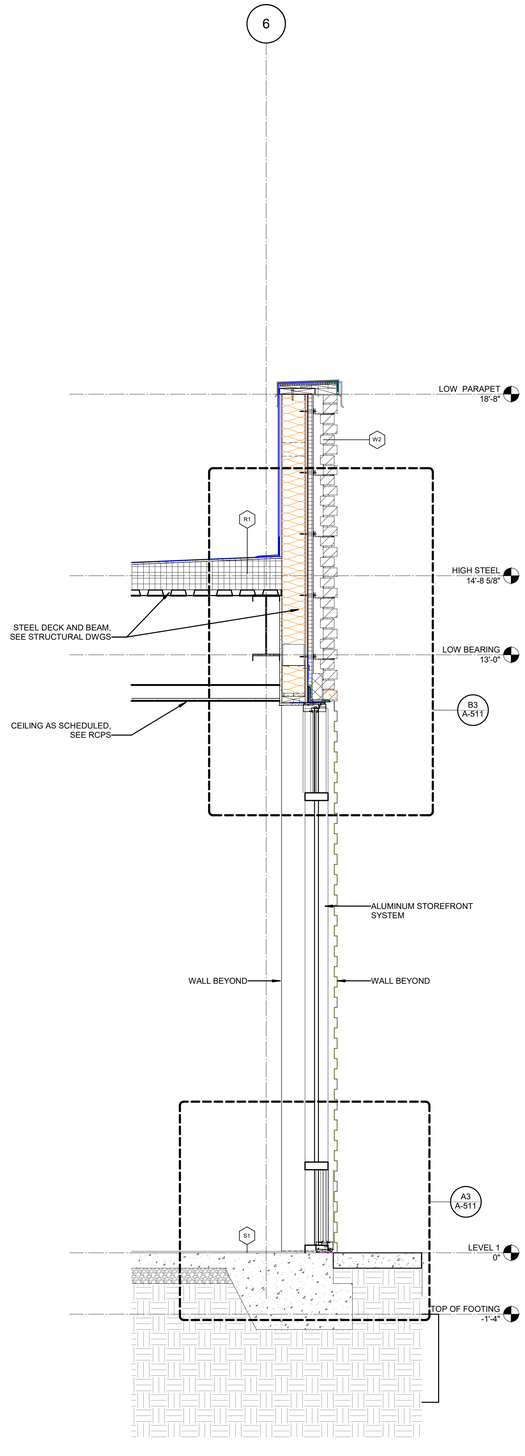
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL PLOT SIZE



A1 **SECTION THROUGH WINDOW**
3/4" = 1'-0"



A3 **SECTION THROUGH DOOR AND CANOPY**
3/4" = 1'-0"



A5 **SECTION THROUGH STOREFRONT**
3/4" = 1'-0"

7/15/2025 7:38:25 PM

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CHAPIN MEDTA

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

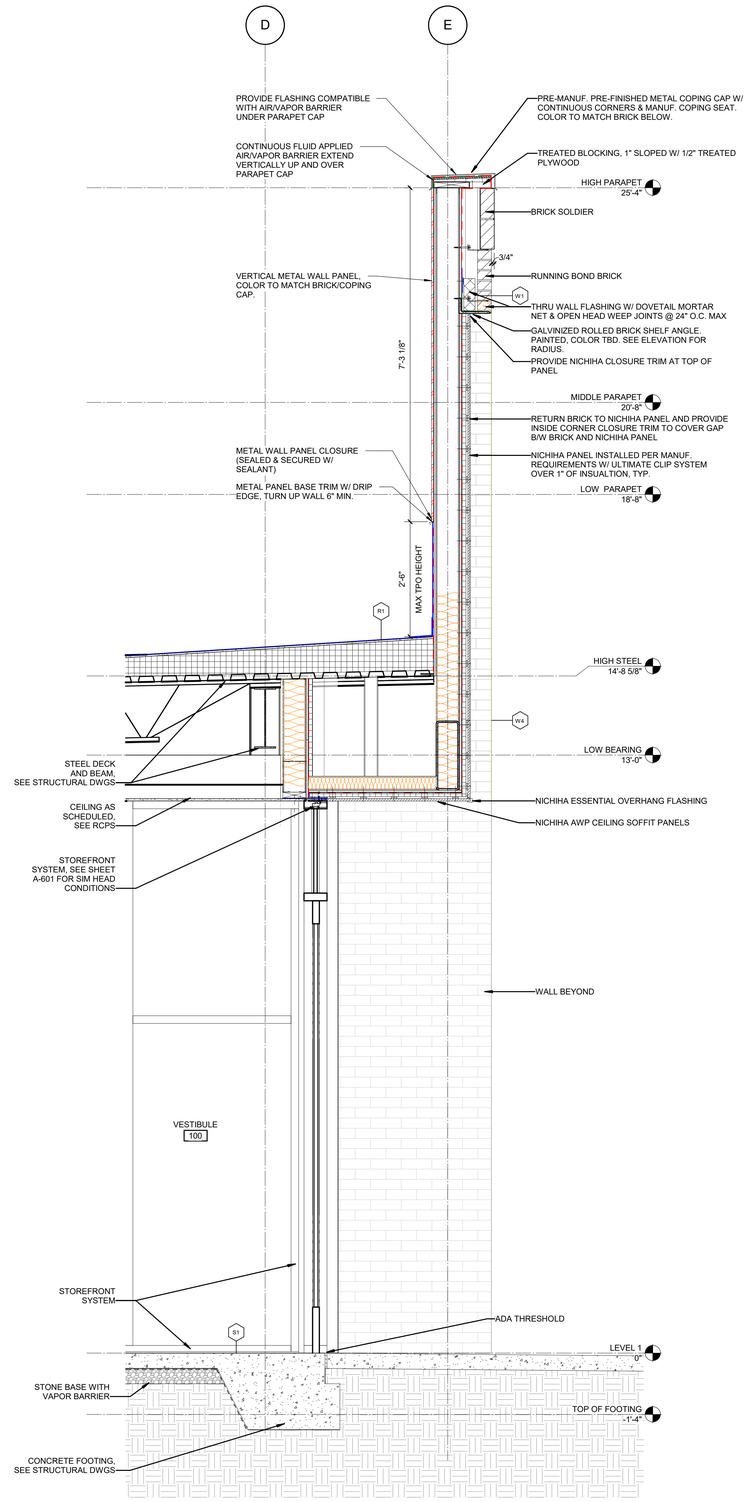
SHEET NAME:
WALL SECTIONS

ORIG SUBMISSION: 2025.07.15

SHEET:
A-352

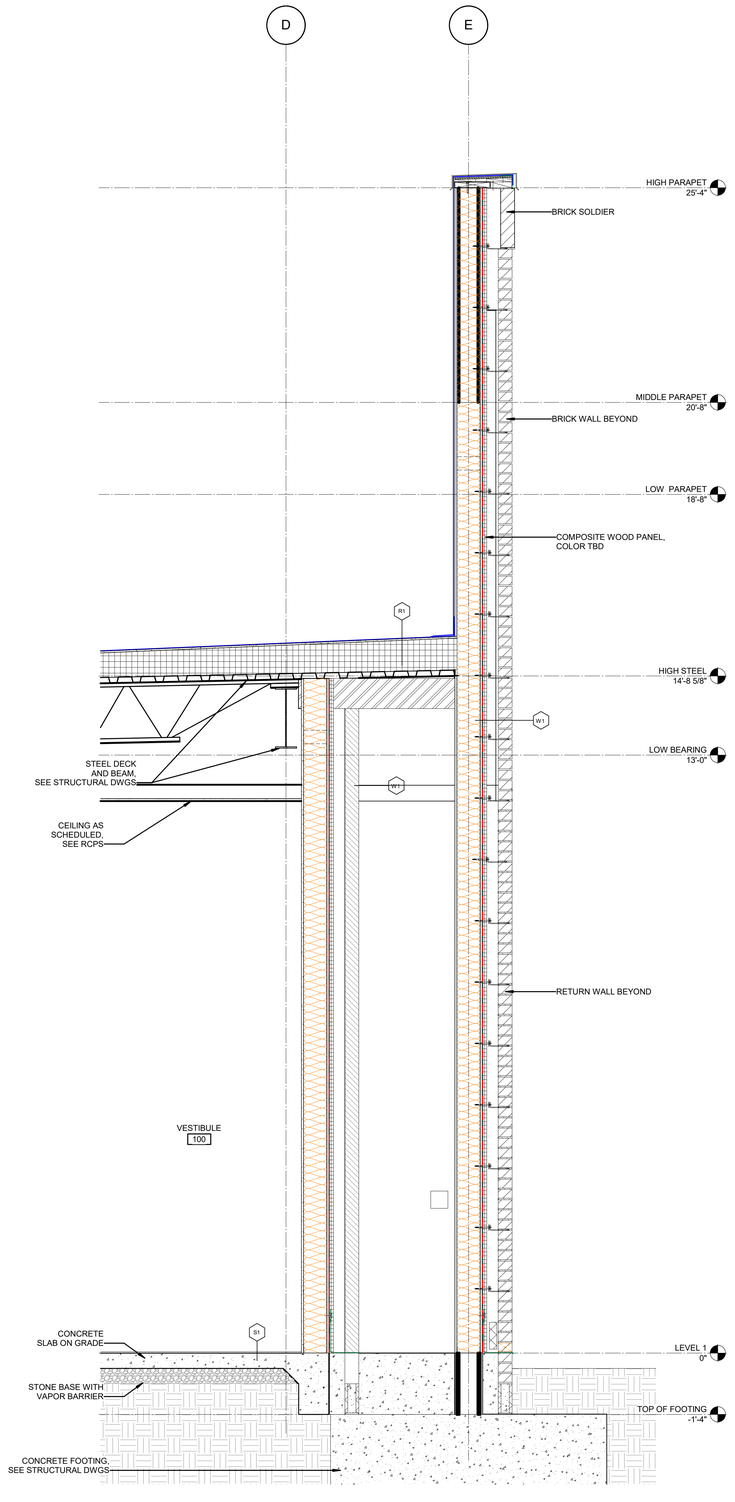
CONSTRUCTION DOCUMENTS PROGRESS

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL PLOT SIZE



A3 **SECTION THROUGH STOREFRONT SF01**

3/4" = 1'-0"



A5 **SECTION THROUGH EXT. COLUMN ENCLOSURE**

3/4" = 1'-0"

THE KEITH CORPORATION

LS3P

600 SOUTH TRYON STREET, SUITE 2000
CHARLOTTE, NORTH CAROLINA 28202
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CHAPIN MEDTAP

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME:
WALL SECTIONS

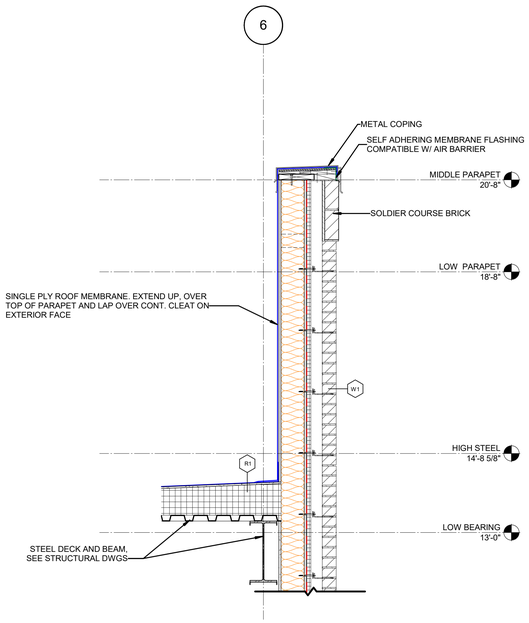
ORIG SUBMISSION: 2025.07.15

SHEET:
A-353

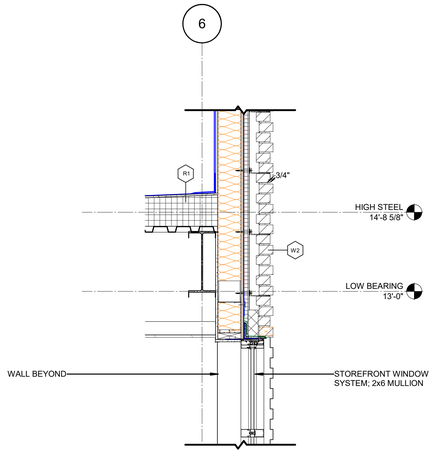
CONSTRUCTION DOCUMENTS PROGRESS

7/15/2025 7:38:26 PM

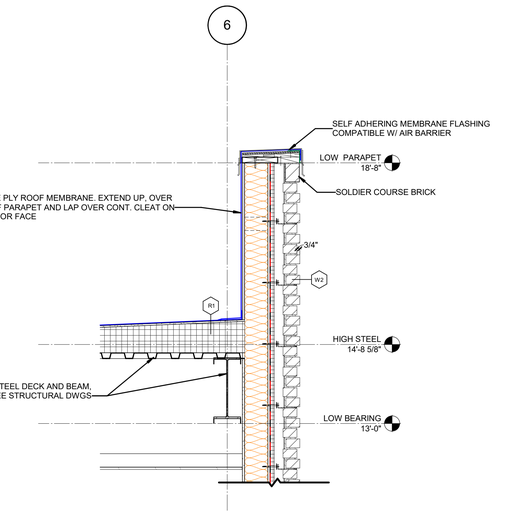
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL PLOT SIZE



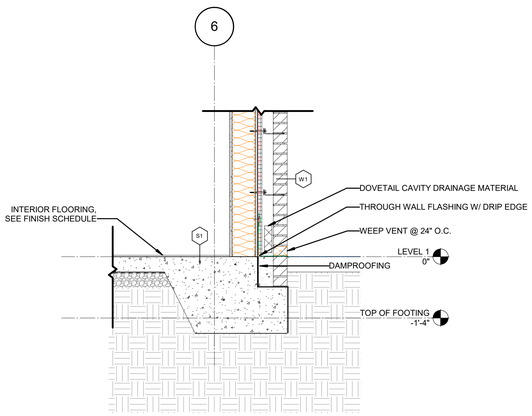
B1 TYP PARAPET DETAIL_W1
3/4" = 1'-0"



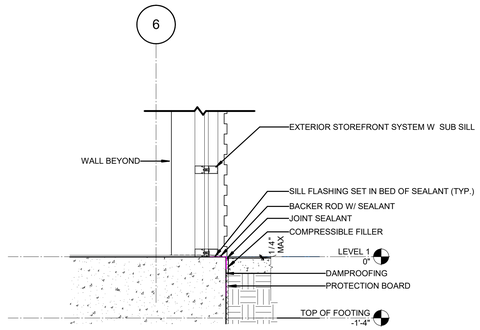
B3 TYP STOREFRONT DETAIL - HEAD
3/4" = 1'-0"



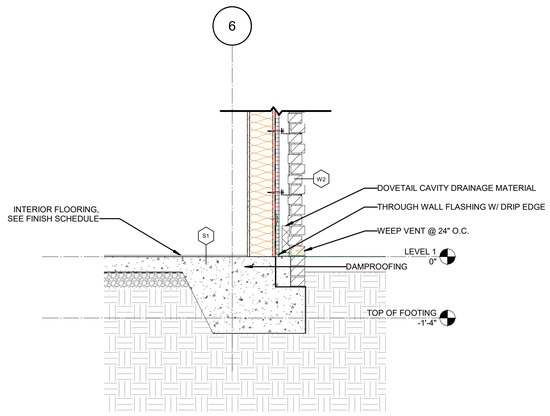
B5 TYP PARAPET DETAIL_W2
3/4" = 1'-0"



A1 TYP FOUNDATION DETAIL_W1
3/4" = 1'-0"



A3 TYP STOREFRONT DETAIL - FOUNDATION
3/4" = 1'-0"



A5 TYP FOUNDATION DETAIL_W2
3/4" = 1'-0"

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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME:
EXTERIOR WALL SECTION DETAILS

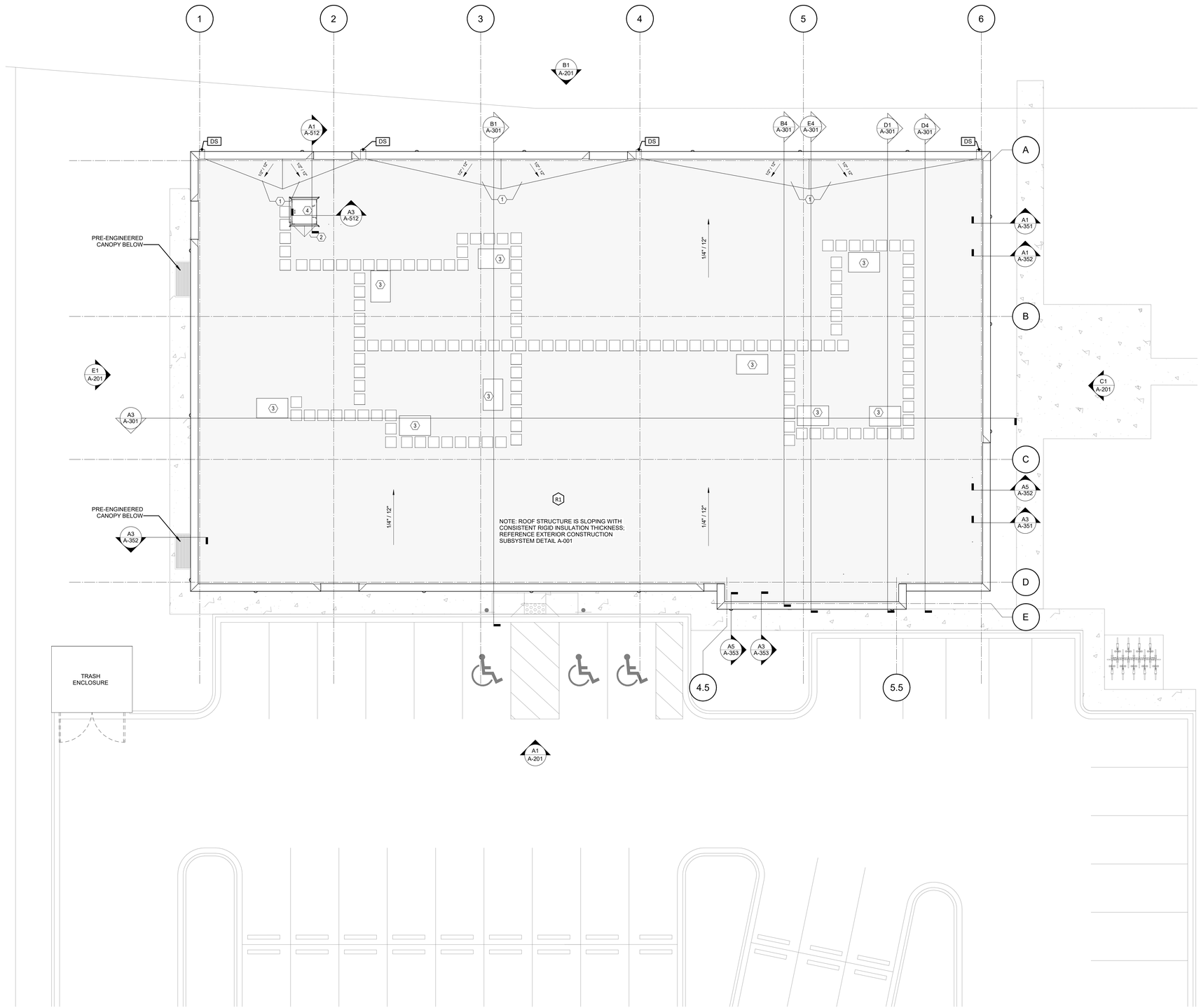
ORIG SUBMISSION: 2025.07.15

SHEET:
A-511

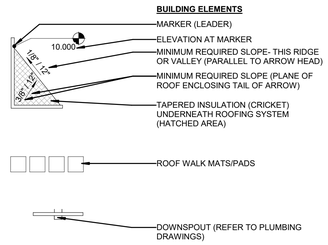
CONSTRUCTION DOCUMENTS
PROGRESS

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ALL SHEETS ORIGINAL PAPER SIZE

#	ROOF PLAN NOTES BY NUMBER
NUMBER	NOTE
1	CRICKET (CONSTRUCTED WITH TAPERED INSULATION) - SLOPE IN THE DIRECTION INDICATED AT 1/2":12"MIN. UNO
2	PROVIDE CRICKET AT EQUIPMENT
3	RTU - COORDINATE SIZE AND LOCATION WITH MECHANICAL DWGS AND STRUCTURAL DWGS
4	ROOF HATCH-LADDER ACCESS (BASIS OF DESIGN BILCO- INSULATED W/ SAFETY BARS)



ROOF PLAN LEGEND



ROOF PLAN SHEET NOTES

A. SEE G-001 FOR SHEET-SPECIFIC GRAPHICS & SYMBOLS.
B. LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT ARE APPROXIMATE. COORDINATE WITH STRUCTURAL, MECHANICAL PLAN AND EQUIPMENT SHOP DRAWINGS.
C. SEE PLUMBING DRAWINGS FOR VENTS THROUGH ROOF LOCATIONS.
D. SEE STRUCTURAL DRAWINGS FOR DESIGN LOAD REQUIREMENTS
E. ALL LOW SLOPED ROOFS TO BE MINIMUM 1/4" PER FOOT.
F. PROVIDE CRICKETS AT ALL CURBS AND EQUIPMENT RAILS SET PERPENDICULAR TO ROOF SLOPE WHICH ARE GREATER THAN 24" WIDE.
G. SLOPE ALL COPINGS BACK TO ROOF UNO.
H. WOOD BLOCKING SHOWN IN ROOF DETAILING SHALL BE PRESERVATIVE TREATED. USE FASTENERS COMPATIBLE WITH PRESERVATIVE TREATED WOOD.
I. EXTEND ALL PENETRATIONS, CURBS, AND COMPONENTS A MINIMUM OF 8" ABOVE THE ROOF SURFACE. PROVIDE 12" CLEAR DISTANCE BETWEEN PENETRATIONS AND TO ANY VERTICAL SURFACE.
J. IF NOT DETAILED, APPLY MOST STRINGENT CONDITION OF NRCA AND SMACNA (CURRENT EDITIONS) STANDARDS FOR ROOF DETAIL CONDITIONS.
K. PROVIDE AND INSTALL A CONTROL JOINT IN ROOF ASSEMBLY AT ALL LOCATIONS WHERE METAL ROOF DECK CHANGES DIRECTION.

TRUE NORTH PROJECT NORTH

A1 **ROOF PLAN- PARTIAL**
1/8" = 1'-0"

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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME:
ROOF PLAN

ORIG SUBMISSION: 2025.07.15

SHEET:
A-103

CONSTRUCTION DOCUMENTS PROGRESS

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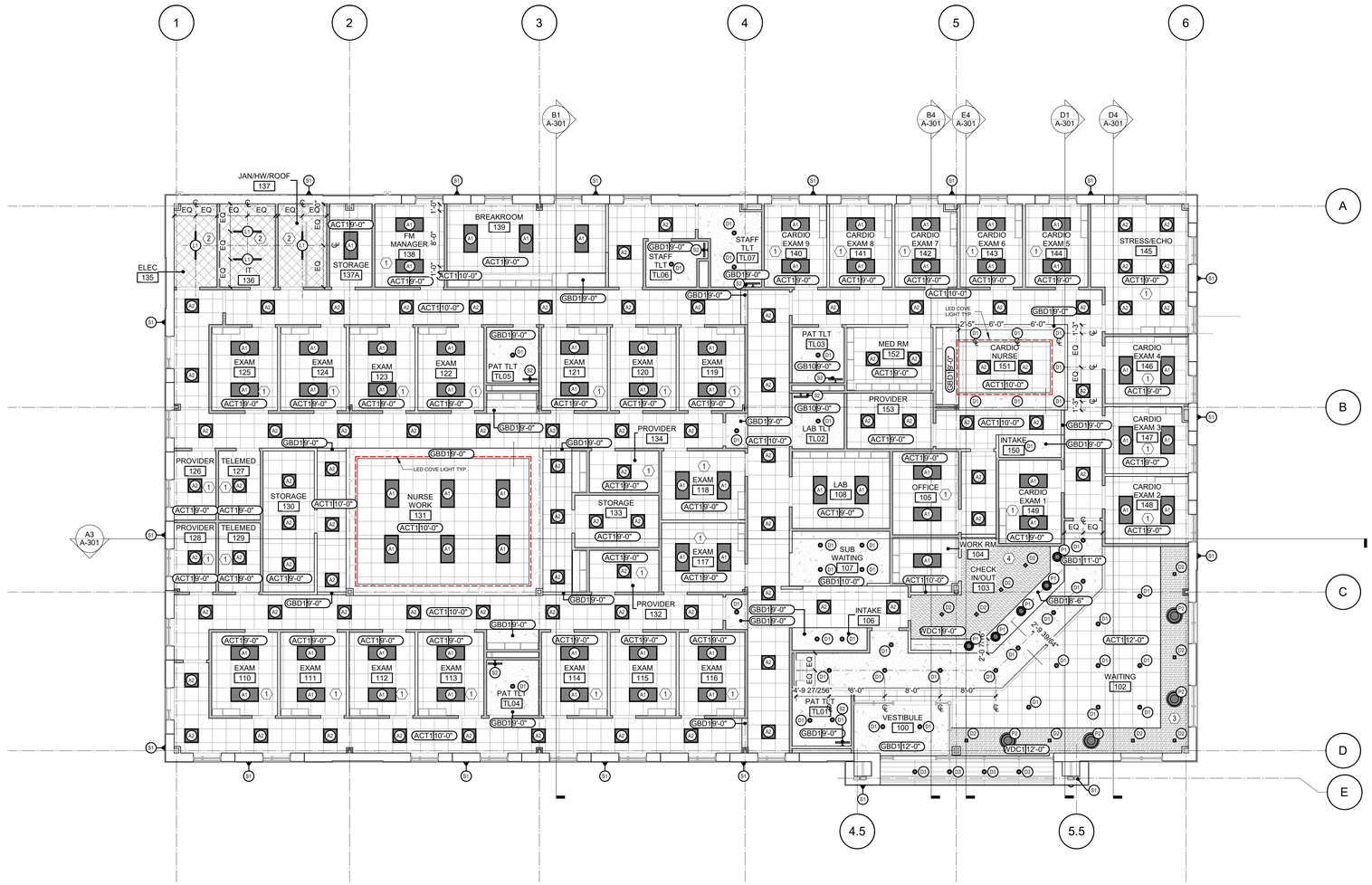

RCP NOTES BY NUMBER

# NUMBER	NOTE
1	PROVIDE SOUND BATT FULL COVERAGE OVER CEILING
2	EXPOSED TO STRUCTURE
3	PROVIDE ALTERNATE PRICING - IN LIEU OF WDC1 PROVIDE GBD1
4	PROVIDE ALTERNATE PRICING - IN LIEU OF WDC1 PROVIDE ACT1

RCP LEGEND

CEILING TYPES

- OPEN TO STRUCTURE
- GB, PLASTER, OR STUCCO CEILING
- 24"x24" ACOUSTIC TILE CEILING SYSTEM
- 24"x48" ACOUSTIC TILE CEILING SYSTEM
- WOOD CEILING

BUILDING ELEMENTS

- CEILING TYPE
- HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- MATERIAL FINISH
- HEIGHT ABOVE LEVEL (NOT FINISH FLOOR)
- RETURN AIR GRILLE (DIAGONAL HATCH)
- SUPPLY AIR GRILLE (CROSSHATCH)

REF: CEILING TAGS AND SPECIFICATIONS SYMBOL SHAPES WILL VARY

- 2'X4' LED RECESSED LED FIXTURE
- 2'X2' LED RECESSED LED FIXTURE
- ROUND CAN RECESSED LED FIXTURE
- SQUARE CAN RECESSED LED FIXTURE
- WET CAN RECESSED LED FIXTURE
- PENDANT SM. LED FIXTURE
- PENDANT MED. LED FIXTURE
- PENDANT SM. LED FIXTURE
- COVE LED FIXTURE
- INT. SCONCE LED FIXTURE
- EXTERIOR SCONCE LED FIXTURE

REFLECTED CEILING PLAN SHEET NOTES

A. PROVIDE SEISMIC RESTRAINT OF SUSPENDED CEILING SYSTEMS IN SITE CLASSIFICATIONS C, D, E & F.
B. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
C. CEILING GRIDS/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER DIMENSION. OVERSIZED TILES SHALL BE INSTALLED WHERE TILES UNDER 6" OCCUR.
D. ALL CEILINGS TO BE **9'-0"** AFF, UNO. CEILING HEIGHTS SHOWN ON THE REFLECTED CEILING PLANS ARE NON-TYPICAL AND SPECIFIC TO THE AREA INDICATED. REFER TO INTERIOR ELEVATIONS FOR THE HEIGHTS OF SOFFITS ABOVE CASEWORK.
E. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
F. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS. (LIGHTING AND HVAC DIFFUSERS ARE SHOWN FOR COORDINATION ONLY - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION).
G. CENTER LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPRINKLER HEADS, SPEAKERS, FIRE ALARM HORNS/STROBES & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN SIMILAR ITEMS ALONG A COMMON AXIS.
H. LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL TO 12" OFF WALLS, UNO.
I. PROVIDE AND INSTALL CEILING ACCESS PANEL IN GYPSUM BOARD CEILINGS AT DEVICES REQUIRING ACCESS INCLUDING BUT NOT LIMITED TO BALANCING DAMPERS, SMOKE DETECTORS, VAV CONTROLS, PLUMBING VALVES, ELECTRICAL JUNCTION BOXES, ETC. MINIMIZE ACCESS DOORS WHERE POSSIBLE.
J. HEIGHT OF GYPSUM BOARD SOFFITS SHALL BE 1" BELOW HEIGHT OF ADJACENT CEILING(TYP) UNLESS NOTED OTHERWISE.
K. TOUCH-UP PAINT EXPOSED EDGES OF CUT ACOUSTICAL CEILING TILE TO MATCH SURFACE(TYP).
L. INDIVIDUAL TRADE COMPONENTS, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURE WHIPS, FLEXIBLE FIRE PROTECTION PIPING, LOW VOLTAGE WIRING, ETC. SHALL NOT BE SUPPORTED BY ACOUSTICAL CEILING SYSTEM.

PARTITION GRAPHICS

GRAPHIC SAMPLE: 1 HOUR RATED CMU FIRE/SMOKE BARRIER:

- SEE FILL PATTERN LEGEND FOR FIRE-RESISTANCE RATING
- SEE COLOR LEGEND FOR HEIGHT CONDITION AND FIRE/SMOKE PROTECTION TYPE
- SEE PARTITION TAG AND SCHEDULE FOR COMPLETE PARTITION INFORMATION

COLOR LEGEND

- NON-RATED PARTITION TO 6" ABOVE CEILING, U.N.O.
- NON-RATED PARTITION TO DECK

A1 REFLECTED CEILING PLAN

1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

THE KEITH CORPORATION

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CHAPIN MEDTAIL

207 Lexington Ave
Chapin, South Carolina 29036

LS3P PROJECT: 9403-240772

Δ	DATE	DESCRIPTION

SHEET NAME:
REFLECTED CEILING PLAN

ORIG SUBMISSION: 2025.07.15

SHEET:
A-121

CONSTRUCTION DOCUMENTS PROGRESS

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ARCH D SHEETS ORIGINAL PLOT SIZE

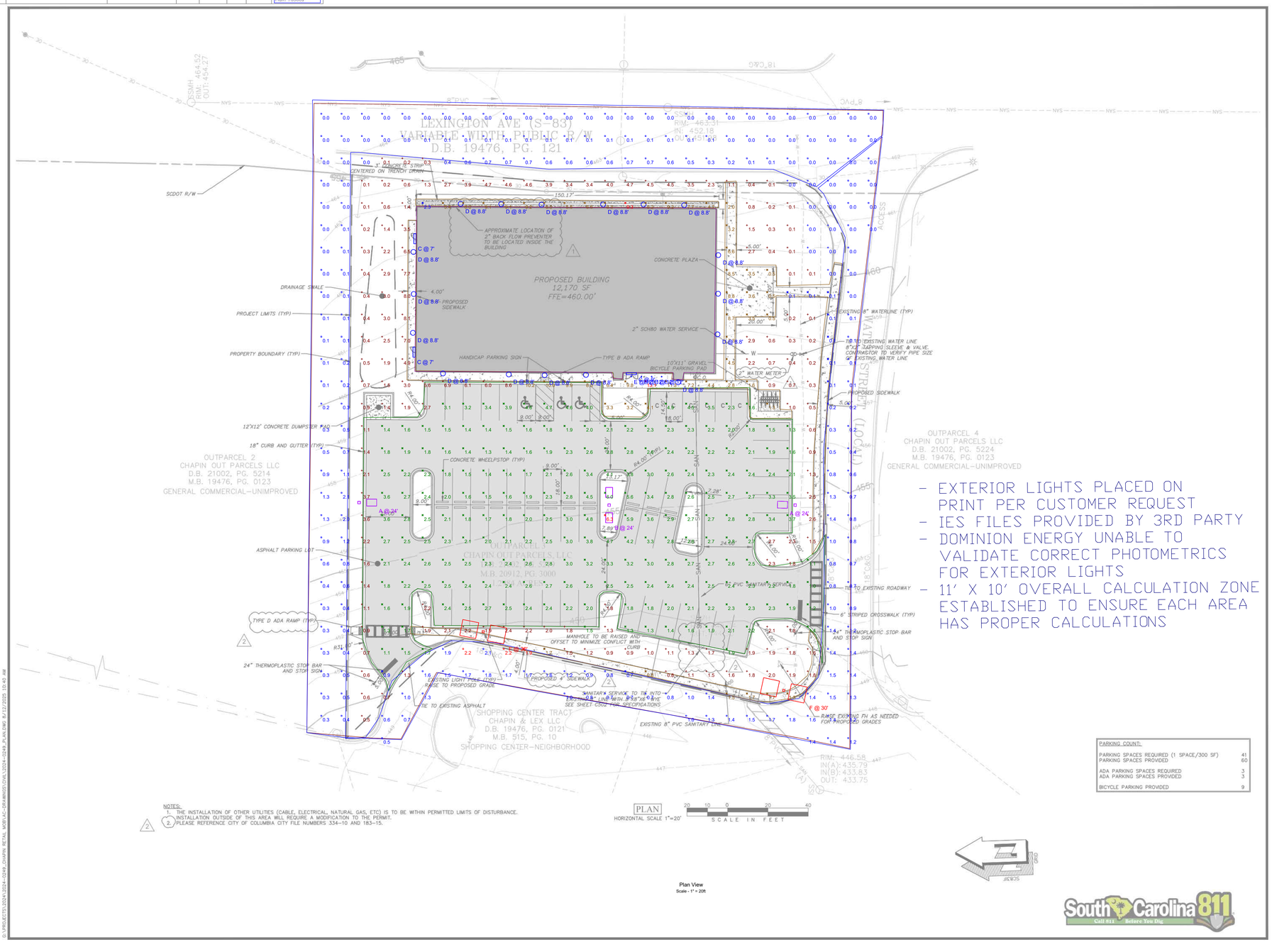
7/15/2025 7:37:43 PM

Schedule

Symbol	Label	Image	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage	Polar Plot
	A		2	ATB0 P305 R4 4K 125W	Autobahn Small P305 Package Roadway Type IV 4000K/5000K, 125W		1	17077	0.9	125	Max: 12258cd
	B		1	ATB0 P305 R4 4K 125W	Autobahn Small P305 Package Roadway Type IV 4000K/5000K, 125W		1	17077	0.9	250	Max: 12258cd
	C		3	EUE10X-T	EXTRUDED ALUMINUM HOUSING, FROSTED PLASTIC ENCLOSURE.	SIX WHITE LEDS	1	494	0.95	10.7	Max: 350cd
	D		17	GBM-A07-840-T3M	Gardco GeoForm block medium LED wall sconce, 40 LED's, 4000K CCT, TYPE T3M OPTIC, 80CRI	(2) LDGN66 Reduced Pixelated Array(s) DRIVEN AT 740mA	1	3701	0.95	23	Max: 1880cd
	E		4	P3RDL10940WCLZ10U	LYTEPROFILE 3IN ROUND DOWNLIGHT	LED	1	996	0.95	10.6	Max: 516cd
	F		2	VLR 32M SC SM FG	VLR SERIES 320W PS MH, SYMMETRIC, FLAT LENS, FULL CUTOFF	ONE 320-WATT CLEAR ED-28 METAL HALIDE, VERTICAL BASE UP POSITION.	1	30000	0.6	930	Max: 7038cd

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
OVERALL		1.9 fc	13.1 fc	0.0 fc	N/A	N/A
Parking Lot		2.5 fc	6.3 fc	0.9 fc	7.0:1	2.8:1
Property Line & Overflow		0.5 fc	2.2 fc	0.0 fc	N/A	N/A
Sidewalk Along Front of Building Close to Publix		1.4 fc	1.9 fc	0.7 fc	2.7:1	2.0:1
Sidewalk Around Back of Building		7.5 fc	9.3 fc	2.3 fc	4.0:1	3.3:1
Sidewalk Around Building & Along Water St		4.6 fc	13.1 fc	0.1 fc	131.0:1	46.0:1



- EXTERIOR LIGHTS PLACED ON PRINT PER CUSTOMER REQUEST
- IES FILES PROVIDED BY 3RD PARTY
- DOMINION ENERGY UNABLE TO VALIDATE CORRECT PHOTOMETRICS FOR EXTERIOR LIGHTS
- 11' X 10' OVERALL CALCULATION ZONE ESTABLISHED TO ENSURE EACH AREA HAS PROPER CALCULATIONS

NOTES:
1. THE INSTALLATION OF OTHER UTILITIES (CABLE, ELECTRICAL, NATURAL GAS, ETC) IS TO BE WITHIN PERMITTED LIMITS OF DISTURBANCE. INSTALLATION OUTSIDE OF THIS AREA WILL REQUIRE A MODIFICATION TO THE PERMIT.
2. PLEASE REFERENCE CITY OF COLUMBIA CITY FILE NUMBERS 334–10 AND 183–15.

PLAN
HORIZONTAL SCALE 1"=20'
SCALE IN FEET

PARKING COUNT:	
PARKING SPACES REQUIRED (1 SPACE/300 SF)	41
PARKING SPACES PROVIDED	60
ADA PARKING SPACES REQUIRED	3
ADA PARKING SPACES PROVIDED	3
BICYCLE PARKING PROVIDED	9

Plan View
Scale - 1" = 20ft

CRANSTON

SOUTH CAROLINA PROFESSIONAL ENGINEER KYLAN D. SHERDAN NO.39320
07/16/2025
SOUTH CAROLINA Cranston Engineering Group NO. C00575 CERTIFICATE OF AUTHORIZATION

REV #	DATE	DESCRIPTION
2	07/16/2025	UTILITY REVISIONS, SIDEWALK ADDITION
1	6/30/2025	PER TOWN OF CHAPIN UTILITY DEPARTMENT/CITY OF COLUMBIA ENGINEERING

CHAPIN RETAIL MOB

SITE PLAN

DRAWN BY:	AKS
CHECKED BY:	AKS
APPROVED BY:	RDS
DATE:	MAY 16, 2025
SCALE:	1" = 20'
JOB No.	2024–0249
DRAWING No.	C300

South Carolina 811 Call 811 Before You Dig.

Dominion Energy Actions Speak Louder.

CHAPIN RETAIL MOB V.2

Designer
S. OWENS
Date
08/18/2025
Scale
1" = 20'
Drawing No.

Summary

G:\PROJECTS\2024\2024-0249_CHAPIN_RETAIL MOB\AC-DRAWINGS\CIVIL\2024-0249_PLAN.DWG 8/12/2025 10:45 AM

Autobahn Series ATB0
Roadway Lighting

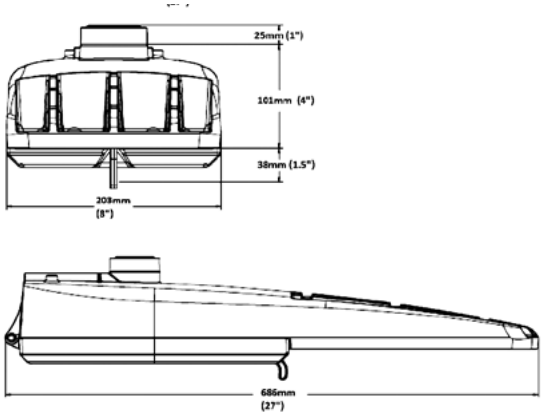
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

PRODUCT OVERVIEW

Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots

DIMENSIONS



Effective Projected Area (EPA): The EPA for the ATB0 is 0.76 sq. ft.
Approx. Wt. = 14 lbs.

STANDARDS

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Color temperatures of ≤ 3000K must be specified for International Dark-Sky Association certification.

Rated for -40°C to 40°C ambient
CSA Certified to U.S. and Canadian standards
Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

Features:

OPTICAL

Same Light: Performance is comparable to 70-250W HPS roadway luminaires.

White Light: Correlated color temperature - 4000K, 70 CRI minimum, 3000K, 70 CRI minimum or optional 5000K, 70 CRI minimum.

Unique IP66 rated LED light engines provided 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing. Available in Type II, III, IV, and V roadway distributions.

ELECTRICAL

Expected Life: LED light engines are rated >100,000 hours at 25°C, L70. Electronic driver has an expected life of 100,000 hours at a 25°C ambient.

Lower Energy: Saves an expected of 40-60% over comparable HID luminaires.

Robust Surge Protection: Three different surge protection options provide a minimum of ANSI C136.2 10kV/5kA protection. 20kV/10kA protection is also available.

MECHANICAL

Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easily leveling at installation.

Rugged die-cast aluminum housing and door are polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 7 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).

Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. Provides a 3G vibration rating per ANSI C136.31

Wildlife shield is cast into the housing (not a separate piece).

CONTROLS

NEMA 3 pin photocontrol receptacle is standard, with the Acuity designed ANSI standard 7 pin receptacle optionally available.

Premium solid state locking style photocontrol - PCSS (10 year rated life) Extreme long life solid state locking style photocontrol - PCLL (20 year rated life).

Multi-level dimming available to provide scheduled dimming as specified by the customer.

Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and also can allow a single fixture to be flexibly applied in many different applications.

Note: Specifications subject to change without notice. Actual performance may differ as a result of end-user environment and application.

© 2014-2017 Acuity Brands Lighting, Inc. ATB0 06/07/17

American Electric Lighting

Autobahn Series ATB0
Roadway Lighting

ORDERING INFORMATION

Example: ATB0 30LEDE10 MVOLT R2

Series

ATB0 Autobahn LED Roadway

Performance Packages

10BLEDE70	10B Chips, 700mA Driver
10BLEDE10	10B Chips, 1050mA Driver
10BLEDE15	10B Chips, 1500mA Driver
20BLEDE53	20B Chips, 525mA Driver
20BLEDE70	20B Chips, 700mA Driver
20BLEDE10	20B Chips, 1050mA Driver
20BLEDE13	20B Chips, 1300mA Driver
20BLEDE15	20B Chips, 1500mA Driver
30BLEDE70	30B Chips, 700mA Driver
30BLEDE85	30B Chips, 850mA Driver
30BLEDE10	30B Chips, 1050mA Driver
30BLEDE13	30B Chips, 1300mA Driver
30BLEDE15[1]	30B Chips, 1500mA Driver

Voltage

MVOLT	Multi-volt, 120-277V
347	347V
480	480V

Optics

R2	Roadway Type II
R3	Roadway Type III
R4	Roadway Type IV
R5	Roadway Type V

Options

Color Temperature (CCT)

(Blank)	4000K CCT, 70 CRI Min.
3K	3000K CCT, 70 CRI Min.
5K	5000K CCT, 70 CRI Min.

Paint

(Blank)	Gray (Standard)
BK	Black
BZ	Bronze
DDB	Dark Bronze
GI	Graphite
WH	White

Surge Protection

(Blank)	Standard 10kV/5kA SPD
20	20kV/10KA SPD
MP[1]	MOV Pack
IL[1]	SPD with Indicator Light

Terminal Block

(Blank)	Terminal Block (Standard)
T2	Wired to L1 & L2 Positions

Misc.

BL	External Bubble Level
HS	House-Side Shield
NL	Nema Label
XL	Not CSA Certified
UMR-XX	8" Horizontal Arm for Round Pole, Painted to match Fixture
UMS-XX	8" Horizontal Arm for Square Pole, Painted to match Fixture
UMR-GALV	8" Horizontal Arm for Round Pole, Galvanized
UMS-GALV	8" Horizontal Arm for Square Pole, Galvanized

Controls

(Blank)	3 Pin NEMA Photocontrol Receptacle (Standard)
P7[2]	7 Pin Photocontrol Receptacle (Dimmable Driver Included)
NR	No Photocontrol Receptacle
AO[3]	Field Adjustable Output
DM	0V-10V Dimmable Driver (Controls by others)
ML[4,5]	Multi-Level Dimming
PCSS[1]	Solid State Lighting Photocontrol (120-277V)
PCLL	Solid State Long Life Photocontrol
SH	Shorting Cap

Packaging

(Blank)	Single Unit (Standard)
JP	Job Pack (42/Pallet)

Notes

1 Not available in 347 or 480V.

2 Not available with DM, ML or NR.

3 Not available with DM or ML options.

4 Not available with AO, DM, P5 or P7 options.

5 Dimming Schedule and light level information required from the customer in order to configure product. Contact Infrastructure Technical Support to proceed.

American Electric Lighting®
AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
www.americanelectriclighting.com
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Warranty Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Please contact your sales representative for the latest product information.

PERFORMANCE PACKAGE

Performance Package	Drive Current (mA)	Input Watts	Optic	4000K CCT		LLD @ 25°C		
				Delivered Lumens	Efficacy (LPW)	50k Hours	75k Hours	100k Hours
10B	700	25	R2	2994	120	0.98	0.98	0.97
	1000	37		4293	116	0.98	0.98	0.97
	1500	54		5688	105	0.97	0.97	0.96
	700	25	R3	3009	120	0.98	0.98	0.97
	1000	37		4313	117	0.98	0.98	0.97
	1500	54		5742	106	0.97	0.97	0.96
	700	25	R4	2992	120	0.98	0.98	0.97
	1000	37		4232	114	0.98	0.98	0.97
	1500	54		5653	105	0.97	0.97	0.96
	700	25	R5	3065	123	0.98	0.98	0.97
	1000	37		4422	120	0.98	0.98	0.97
	1500	54		5844	108	0.97	0.97	0.96
20B	525	36	R2	4638	129	0.98	0.98	0.97
	700	48		5956	124	0.98	0.98	0.97
	1000	71		8506	120	0.98	0.98	0.97
	1300	87		9922	114	0.96	0.94	0.92
	1500	99		11038	111	0.95	0.92	0.90
	525	36	R3	4704	131	0.98	0.98	0.97
	700	48		6114	127	0.98	0.98	0.97
	1000	71		8606	121	0.98	0.98	0.97
	1300	87		10065	116	0.96	0.94	0.92
	1500	99		11181	113	0.95	0.92	0.90
	525	36	R4	4676	130	0.98	0.98	0.97
	700	48		6022	125	0.98	0.98	0.97
	1000	72		8569	119	0.98	0.98	0.97
	1300	87		10053	116	0.96	0.94	0.92
	1500	99		11160	113	0.95	0.92	0.90
	525	36	R5	4869	135	0.98	0.98	0.97
	700	48		6287	131	0.98	0.98	0.97
	1000	71		8880	125	0.98	0.98	0.97
	1300	87		10397	120	0.96	0.94	0.92
	1500	99		11593	117	0.95	0.92	0.90
30B	700	70	R2	9174	131	0.98	0.98	0.97
	850	83		10457	126	0.98	0.98	0.97
	1000	105		12414	118	0.96	0.96	0.95
	1300	126		14964	119	0.96	0.94	0.92
	1500	145		16251	112	0.94	0.91	0.89
	700	70	R3	8893	127	0.98	0.98	0.97
	850	83		10825	130	0.98	0.98	0.97
	1000	105		12748	121	0.96	0.96	0.95
	1300	126		14850	118	0.96	0.94	0.92
	1500	145		16193	112	0.94	0.91	0.89
	700	70	R4	8971	128	0.98	0.98	0.97
	850	83		10589	128	0.98	0.98	0.97
	1000	105		12782	122	0.96	0.96	0.95
	1300	126		14889	118	0.96	0.94	0.92
	1500	145		16463	114	0.94	0.91	0.89
	700	70	R5	9329	133	0.98	0.98	0.97
	850	83		11209	135	0.98	0.98	0.97
	1000	105		13296	127	0.96	0.95	0.94
	1300	126		15254	121	0.96	0.94	0.92
	1500	145		16871	116	0.94	0.91	0.89

Note: Information shown above is based on 4000K nominal system data. Individual fixture performance may vary. To calculate 3000K lumen values, multiply the 4000K lumens by .93. Specifications subject to change without notice.

ATB0 LLD Multiplier	15°C	20°C	25°C	30°C	35°C	40°C
	1.02	1.01	1	0.98	0.97	0.95

To calculate the LLD for a temperature other than 25°C, multiply the LLD @ 25°C (shown in the performance package table) by the LLD multiplier for the selected temperature.

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Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

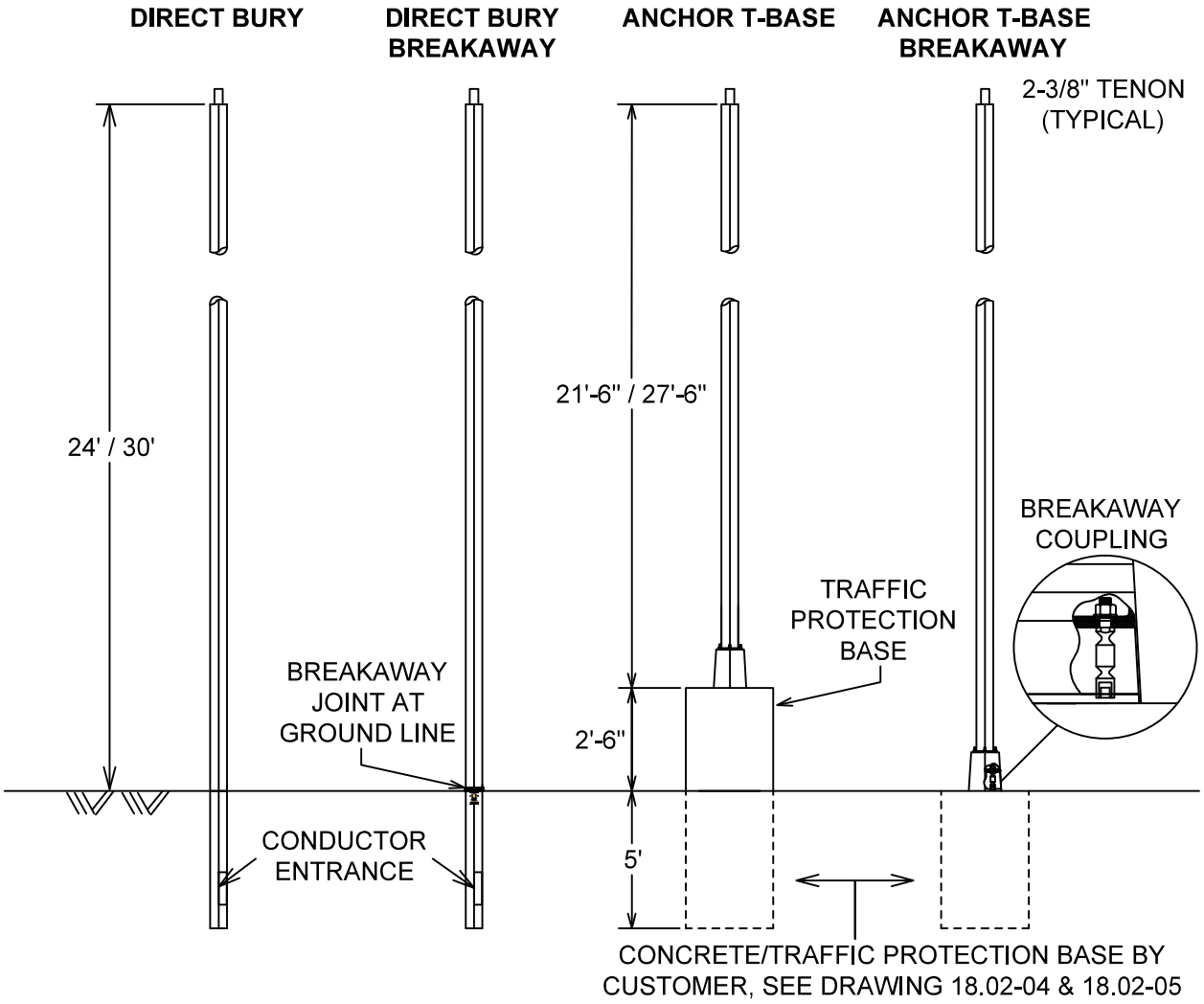
Please contact your sales representative for the latest product information.

24'/30' MOUNTING HEIGHT SQUARE ALUMINUM POLES

BY MWC
DATE 07-12-18
REV. 1

18.03-04

REV. 1 (07/12/18) - ADDED 24' POLES, REVISED PEDESTAL HEIGHT



CU CODE	DESCRIPTION	STOCK CODE
LPAL29SDE>1	POLE, 24' MH, 29' OAH, 6X6 SQUARE, MULTI-FIXTURE, BLACK, DIRECT BURY	025.0170.4050
LPAL29SAB>1	POLE, 24' MH, 21'6" OAH, 6X6 SQUARE, MULTI-FIXTURE, BLACK, ANCHOR & T-BASE	025.0170.4045
LPAL35SDE>1	POLE, 30' MH, 35' OAH, 6X6 SQUARE, MULTI-FIXTURE, BLACK, DIRECT BURY	025.0170.4003
LPAL35SAB>1	POLE, 30' MH, 26'7" OAH, 6X6 SQUARE, MULTI-FIXTURE, BLACK, ANCHOR BASE W/ T-BASE	025.0170.4013
LPALBZ35SDEM	POLE, 30' MH, 35' OAH, 6X6 SQUARE, MULTI-FIXTURE, BRONZE, DIRECT BURY	025.01704020
LPALBZ35SABM	POLE, 30' MH, 26'7" OAH, 6X6 SQUARE, MULTI-FIXTURE, BRONZE, ANCHOR BASE W/ T-BASE	025.0170.4023

NOTES:

1. SEE DRAWING 08.04-02 FOR LIGHTING POLE GROUNDING.
2. POLES FOR USE WITH ANY SHOEBOX STYLE LUMINAIRE.
3. ALL BREAKAWAY STYLE POLES ARE NON-STOCK. CONTACT MES FOR ORDERING DETAILS.

EFFECTIVE DATE: 08-15-18

DISTRIBUTION CONSTRUCTION STANDARD
SOUTH CAROLINA ELECTRIC & GAS CO.

LIGHTOLIER
by signify

Downlighting

LyteProfile 3"

P3R Round downlight

Project:

Location:

Cat.No:

Type:

Qty:

Notes:

LyteProfile downlights and wall washers provide a comfortable 60° cut-off to both the actual and reflected source. Utilizes a robust frame-in kit, light engine and reflector design that is designed for a wide variety of installation conditions with a plenum depth of 4-1/2".

Complete unit = Fixture + Light Engine/Trim + Optional Accessories

Frame

example: 3RAS

Series	Installation	Voltage / Options
3R		
3R Uniframe 3" round frame	**N** New Construction Non-IC	**–** Universal 120/277/347V **LC** Chicago plenum **EM6** Emergency, 6W Self-Test/Self-Diagnostic[1]
	A AirSeal IC (1000lm max)	**–** Standard Universal 120/277/347V **S** Shallow Universal 120/277/347V[2]

Light Engine / Trim

example: P3RDL10935WCLZ10US

Series	Style	Lumens	CRI / CCT	Beam
P3R				
P3R LyteProfile 3" round light engine / trim	**DL** Downlight **LW** Lensed wall wash[3] **SL** Shower light[3] (with non-conductive trim and lens)	**05** 500lm **07** 750lm **10** 1000lm **15** 1500lm[4]	**927** 90CRI / 2700K **930** 90CRI / 3000K **935** 90CRI / 3500K **940** 90CRI / 4000K	**N** Narrow **M** Medium **W** Wide

Light Engine / Trim (continued)

Reflector	Flange
CL Specular clear **CC** Comfort clear **CD** Comfort clear diffuse	**–** White (matte) **B** Black (matte)[5] **P** Polished (matches aperture) **F** Flangeless (requires CA3RFT)[5]
WH White (matte) **BK** Black (matte)	**–** White (matte) **B** Black (matte)[5] **F** Flangeless (requires CA3RFT)[5]

Dimming	Voltage
Z10 0-10V 1% dimming	**U** 120V/277V **3** 347V (0-10v only)[9]
Z10D2O 0-10V 1% dimming w/ dim-to-off **L01** Lutron PEQ0 dimming w/ dim to 0.1%)[6,9] (not compatible with Shallow (S) plenums)	**U** 120V/277V (order T347-75VA accessory for 347V)
E Electronic low voltage dimming	**1** 120V
RA Integral Interact Pro RF sensor[7]	**U** 120V/277V

Plenum	Options
– Standard depth **S** Shallow for shallow IC frame[2]	**–** None **IEM6** Trim mounted EM test switch (option available on DL style only)

Accessories

SBA	Interact Ready System Bridge Accessory with integral occupancy and daylight sensor (compatible with all 0-10V options, see SBA spec sheet)[8]
CA3RFT	Mud-in ring for round flangeless installs (ordered with a flangeless trim)
CAEM6	Field installable Bodine BSL6 6W battery pack with self-test/self-diagnostic for use with new construction frames (120-277V)
CAEM6TSCP	Must be ordered with EM6 frame for remote test switch (see page 2 for details)
T347-75VA	347:120V step-down transformer for non-IC (N) frame only (see page 3 for details)

1. Emergency (EM6) frame is compatible with reflector mounted test switch when light engine is ordered with IEM6 option code (not compatible with 347V).
2. Must order shallow IC frame (S), shallow engine / shallow trim (S) for complete shallow assembly. Shallow configurations available in 750lm (07) and 1000lm (10) only with ELV or 0-10V.
3. Lensed wall wash (LW) and Shower lights (SL) have a 1000lm (10) limit in Non-IC (N) configurations and 500lm (05) limit in IC (A) configurations. Order Shower light (SL) with WH trim finish only (wide beam only). Not available with flangeless option.
4. The 1500lm (15) option is not available with standard AirSeal IC frame (3RA-).
5. Consult factory with ETO request for black (B) flange for all styles, and flangeless for lensed wall wash (LW) style.
6. Lutron PEQ0 (L01) dimming available only with 500lm (05) and 1000lm (10) lumen options.
7. Linear driver profile. See page 5 for details. Specify only with non-IC (N) frame, not for use with LC or EM6 options.
8. Requires IRT9015 IR remote & Interact Pro App for commissioning.
9. The 500lm (05) option is not available.

IC INSULATION CONTACT · WET LOCATION · c UL us LISTED · RoHS COMPLIANT · ENERGY STAR · interact ready.

P3R LyteProfile 3"

Round downlight

Frame-in-kits

New construction:
Galvanized stamped steel for dry or plaster ceilings. Preinstalled telescoping mounting bars from 13" to 24". For 4' distances, use 1/2" EMT, 1-1/2" x 1/2" U or C channel.

Max ceiling thickness is 2" (51 mm)

Patented install mounting frame:

- Pre-installed mounting bars for fast and tool-less installs into T-grid & hat channel ceilings.
- Close-cut aperture design eliminates possibility of gap between ceiling opening and reflector flange.
- Separate wiring compartment for wiring frame to building allows inspection prior to light engine install.
- Simple plug-and-play connection between frame and light engine from below ceiling.

Dimming

All configurations are FCC Class A unless otherwise specified.

- Advance 0-10V 1% (Z10)
- Lutron PEQ0 Hi-lume Premier 0.1% EcoSystem
- Electronic low voltage (ELV) - Remodel and AirSeal IC Shallow are FCC Class B

Optical systems

Quality of light: 2 SDCM ensures color consistency from fixture to fixture and over the luminaire's long lifetime.

Construction: Precision formed high grade aluminum reflectors with options for anodized or painted finishes.

Comfort throughout the space: 60° cutoff.

Light Engine

Quick connect power pack allow for easy installation and replacement from below ceiling with no need for additional wiring. This allows for:

- Frame and ceiling installation to be performed while still finalizing details such as lumen packages, CCT and control type.
- Easy replacement of electronics at end of life with minimal wasted material and labor required.
- Ease and upgradability of technology.
- Predicted 70% lumen maintenance to 57,000 hrs.
- Max operating ambient temperature of 30°C.
- 347V light engines are Z10 dimming only and include dedicated 347V driver. For 347V non-Z10 dimming, order T347-75VA field-installed step-down transformer accessory.

Options and Accessories

Flangeless mud-in ring: Use CA3RFT for use with flangeless plaster installations.

Field Installed Emergency: Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

CAEM6: Field install EM6 kit with Bodine BSL6 6W battery pack with self-test/self-diagnostic, mounts to new construction frames. Includes remote ceiling plate for test switch. To mount test switch to trim for new construction frame, order light engine with IEM6 option code (e.g. P3RDL10935WCDZ10UIEM6).

CAEM6TSCP: Ceiling cover plate for remote mounted EM6 test switch. 1/2" (25mm) hole, 4 3/8" (109mm) x 2 3/4" (69mm) rectangular. Includes two mounting screws.

T347-75VA Field installable: 347:120V 75VA step-down transformer, attaches to knock out on frame junction box, for use with non-IC (N) frame only.

Emergency

Bodine BSL6 6W battery pack with self-test/diagnostic functionality. Factory or field mounted to frame.

- For trim with integral emergency test switch, order light engine with IEM6 option (ex: P3RDL10935WCDZ10UIEM6). DL style only.
- For remote ceiling mounted test switch, order standard light engine (ex: P3RDL10935WCDZ10U). Optional accessory ceiling mounting plate available (CAEM6TSCP) for remote mounted test switch.
- Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

ENERGY STAR® exceptions

- BK finishes
- 347V & Emergency voltage/options
- Lutron configurations

Title 24 exceptions

- BK finishes
- Must be installed in shallow AirSeal IC Frame
- Downlight (DL): 500lm and 1000lm only
- Lensed wall wash (LW): 500lm only

Labels and listings

- cULus listed for wet locations
- ENERGY STAR® certified
- CEC Title 24 JA8 certified
- CCEA (frames with *LC suffix)

Warranty

5 year limited warranty

Visit Signify.com/warranties for more information on Signify's standard 5-year limited warranty on complete luminaire systems.

0-10V electrical tables (50/60Hz Input Freq.)

Light engine	Input Volts	Input Current	LED Drive Current	Input Power	LED Power	THD Factor @ Max Load	Power Factor @ Max Load
P3RDL05_Z10U/3	120V	0.041A	0.12A	4.9W	3.9W	<10%	>0.9
	277V	0.019A	0.12A	5.1W	3.9W	<30%	>0.8
	347V	0.017A	0.12A	5.8W	3.9W	<20%	>0.9
P3RDL07_Z10U/3	120V	0.066A	0.19A	7.9W	6.5W	<10%	>0.9
	277V	0.029A	0.19A	8.0W	6.5W	<20%	>0.8
	347V	0.026A	0.19A	9.2W	6.5W	<20%	>0.9
P3RDL10_Z10U/3	120V	0.078A	0.23A	9.3W	7.7W	<10%	>0.9
	277V	0.034A	0.23A	9.5W	7.7W	<10%	>0.8
	347V	0.031A	0.23A	10.9W	7.7W	<20%	>0.9
P3RDL15_Z10U/3	120V	0.119A	0.35A	14.3W	11.9W	<10%	>0.9
	277V	0.052A	0.35A	14.3W	11.9W	<10%	>0.9
	347V	0.047A	0.35A	16.3W	11.9W	<20%	>0.9
P3RDL07_Z10U_S	120V	0.066A	0.19A	7.9W	6.5W	<10%	>0.9
	277V	0.029A	0.19A	8.0W	6.5W	<20%	>0.8
	347V	0.026A	0.19A	9.2W	6.5W	<20%	>0.9
P3RDL10_Z10U_S	120V	0.078A	0.23A	9.3W	7.7W	<10%	>0.9
	277V	0.034A	0.23A	9.5W	7.7W	<10%	>0.8
	347V	0.031A	0.23A	10.9W	7.7W	<20%	>0.9

ELV electrical tables (50/60Hz Input Freq.)

Light engine	Input Volts	Input Current	LED Drive Current	Input Power	LED Power	THD Factor @ Max Load	Power Factor @ Max Load
P3RDL05_E1	120V	0.052A	0.15A	6.2W	5.1W	<10%	>0.9
P3RDL07_E1	120V	0.067A	0.20A	8.1W	6.8W	<10%	>0.9
P3RDL10_E1	120V	0.083A	0.25A	10.0W	8.5W	<10%	>0.9
P3RDL15_E1	120V	0.115A	0.35A	13.8W	11.9W	<10%	>0.9
P3RDL07_E1_S	120V	0.067A	0.20A	8.1W	6.8W	<10%	>0.9
P3RDL10_E1_S	120V	0.083A	0.25A	10.0W	8.5W	<10%	>0.9

Lutron electrical tables (50/60Hz Input Freq.)

Light engine	Input Volts	Input Current	LED Drive Current	Input Power	LED Power	THD Factor @ Max Load	Power Factor @ Max Load
P3RDL05_LU	120V	0.040A	0.12A	4.8W	3.9W	<25%	>0.9
	277V	0.017A	0.12A	4.8W	3.9W	<20%	>0.5
P3RDL07_LU	120V	0.063A	0.19A	7.5W	6.5W	<20%	>0.9
	277V	0.028A	0.19A	7.7W	6.5W	<15%	>0.6
P3RDL10_LU	120V	0.073A	0.23A	8.8W	7.7W	<15%	>0.9
	277V	0.033A	0.23A	9.1W	7.7W	<15%	>0.6
P3RDL15_LU	120V	0.114A	0.35A	13.7W	11.9W	<10%	>0.9
	277V	0.049A	0.35A	13.7W	11.9W	<15%	>0.7

P3R LyteProfile 3"

Round downlight

interact

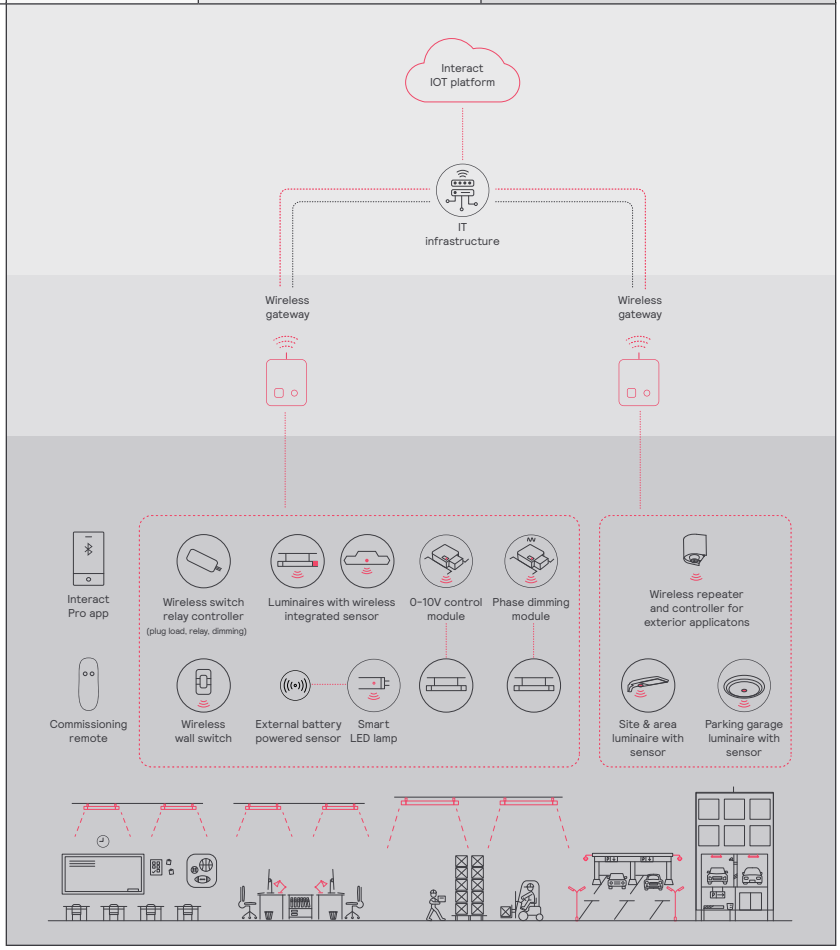
		Standalone	Gateway Connected: Option 1	Gateway Connected: Option 2
Dimming, grouping, and zoning		✓	✓	✓
Bluetooth and ZigBee enabled		✓	✓	✓
Motion sensing and daylight harvesting		✓	✓	✓
Integration with 0–10V and phase dimming fixtures		✓	✓	✓
Code compliance		✓	✓	✓
Granular dimming and dwell time		✓	✓	✓
Correlated color temperature (CCT) tuning by switch	New	✓	✓	✓
Support for sensor-based Tunable White luminaires	New	✓	✓	✓
Energy reporting and monitoring			✓	✓
Scheduling			✓	✓
Demand response			✓	✓
BMS integration (BACnet)				✓
Floor plan visualization				✓
IoT sensors for wellness				✓
IoT Apps for productivity				✓

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• Luminaires with integrated sensors	150
• Smart TLEDS	150
• Zones + groups	64
Total number of ZGP devices (sensors and switches)	50
• Sensors	30
• Switches	50

Group level	
Recommended number of lights	40 (maximum 150)
Number of ZGP devices	5
Number of scenes	16



P3R LyteProfile 3"

Round downlight

Wireless controls options

Interact

- SWZCS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the standalone mode (similar to SpaceWise) when configured without a gateway or in a cloud connected mode if a compatible gateway is used.
- Interact includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote on-site to identify and group devices together.

  Compatible with:

  - SWS200 & UID8465 wireless scene switch
  - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
  - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
  - LCN3110: battery powered IP65 presence sensor, OCC sensor IA CM IP65W
  - LCN3120: battery powered IP65 presence & daylight sensor, OCC-DL sensor IA CM IP65 WH
- For more information on Interact visit: interact-lighting.com/interactproscalablesystem

Radio only sensor (RA or RADIO)

- Integral RA or RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.
- Interact includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & Bluetooth connectivity. The App provides flexibility to choose between a gateway or non-gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely, identify and group devices together onsite.
- Compatible with SWS200 and UID8465 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1).
- For more information on Interact visit: interact-lighting.com/interactproscalablesystem

Sensor bundle (IAOSB or SB)

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible with SWS200 wireless scene switch, wireless Occ sensor (OCC SENSORIA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available.• Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- IAOSB or SB option in addition to occupancy and daylights sensing supports advanced IoT capabilities, such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: interact-lighting.com/interactproscalablesystem

Emergency Options (ER100)

- **Power Sensing** (factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output.
- **Power Interruption Detection** (field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output.

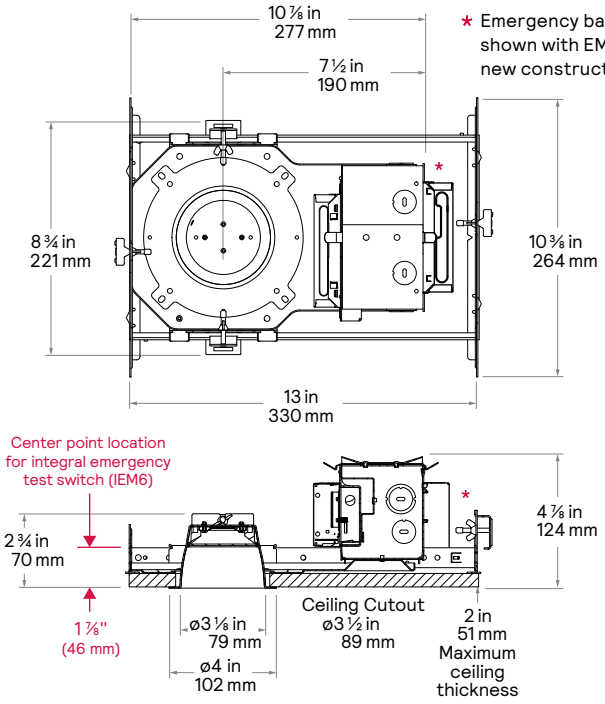
Interact supported sensor option codes across Genlyte product lines

	Evokit	Day-Brite	Ledalite	Lightolier
ZigBee + Bluetooth + Sensing	SWZCS	SWZCS	CS	SBA accessory (external)
ZigBee + Bluetooth	RADIO	RADIO	RA	RA
ZigBee + Bluetooth + Sensing + Environmental data	IAOSB	IAOSB	SB	SB
ZigBee + Highbay + Sensing	-	SWZCSH	-	-

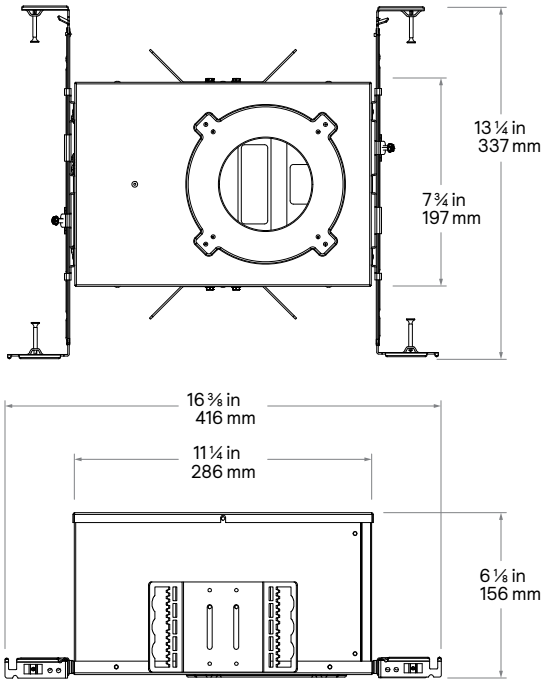
P3R LyteProfile 3"

Round downlight

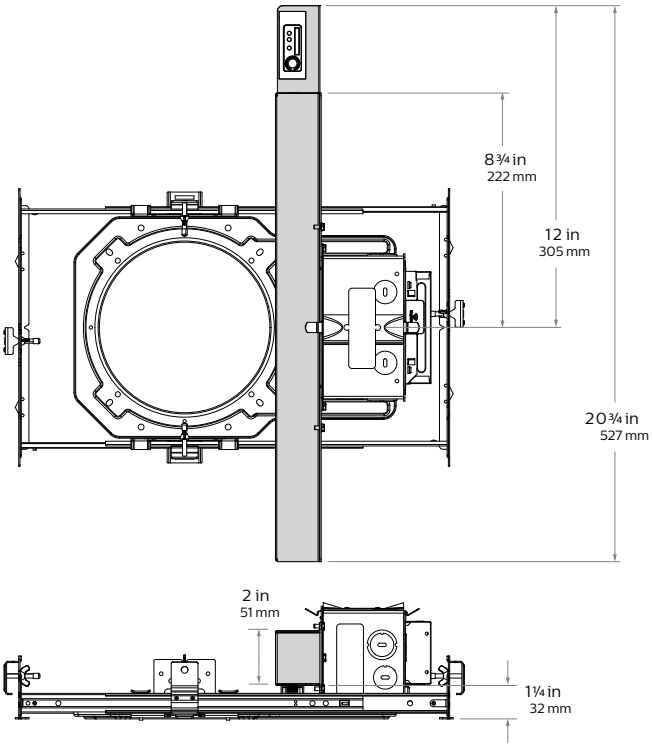
New construction (N)



Standard IC (A) and Chicago plenum (LC)

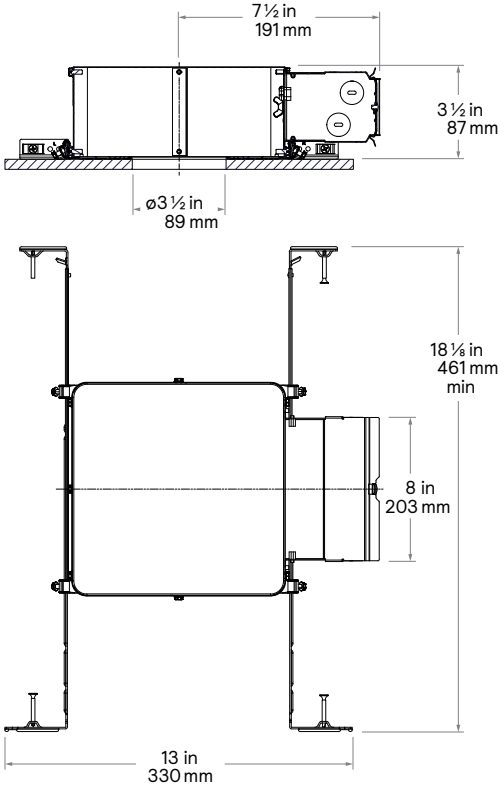


Linear driver (RA)



Requires either top access or 19" plenum space without sensor, and 22" with sensor.

Shallow IC (S)



P3R LyteProfile 3"

Round downlight

Polished Reflectors

Shown as round reflectors but represent the finish of LyteProfile square reflectors.

Specular clear (CL): Most specular and most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.

Comfort clear (CC): Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.

Comfort clear diffuse (CD): Slightly diffuse clear finish, that eliminates iridescence and reduces the mirror image effect inherent with specular finishes.

White (WH): (matte) Brightest illuminated aperture and provides the smoothest transition to most ceilings when off (white is only available with a white flange).

Black (BK): (matte) Painted finish that provides the lowest aperture brightness possible and significantly reduces source identification in a ceiling.

Shower light (SL): Wet location rated shower light applicable in any installation requiring dead front trims, interior or exterior non-corrosive applications, or where a diffused lens at the ceiling is required (non-conductive).

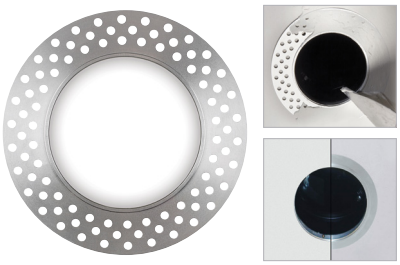
Flanges

White (–): (matte) Provides the smoothest transition to ceilings when off.

Black (BK): Painted matte finish that provides the lowest aperture brightness possible.

Polished (P): (matches aperture) Produces a continuous look throughout the reflector (aperture matching).

Flangeless (F): (flush-mount)Creates a flush, virtually seamless transition from aperture to ceiling.



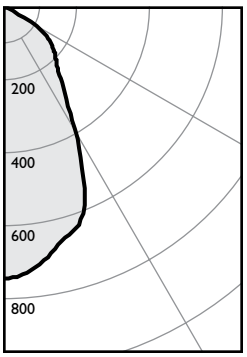
Mud-in ring (FT): Low profile, machined aluminum mud-in ring provides a raised rib to plaster up to and a 3⁄16" flange thickness. The ring is attached to the ceiling material as opposed to the frame-in kit to avoid conduction of heat and vibration which can cause yellowing or cracking of the plaster.

P3R LyteProfile 3"

Round downlight

Downlight, Narrow Beam, 1000lm engine, 111 lm/W at 8.7W

Candela Curve



Frame: **3RN**
Engine / Trim:
P3RDL10935NCLZ10U

Output lumens:	968 lms
Input watts:	8.7 W
CRI:	90 min
CCT[1]:	3500K
Spacing Crit.:	0.96
Beam Angle:	62°

Zonal summary

Zone	Lumens	%Luminaire
0-30	488	50.4%
0-40	673	69.5%
0-60	949	98.0%
0-90	968	100.0%

Angle	Mean CP	Lumens
0	743	
5	730	
10	694	69
15	653	
20	619	185
25	517	
30	389	234
35	291	
40	233	185
45	200	
50	175	155
55	144	
60	67	121
65	9	
70	4	17
75	2	
80	1	2
85	0	
90	0	0

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*
5'	30	4.8'
6'	21	5.8'
7'	15	6.7'
8'	12	7.7'
9'	9	8.6'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	43.0	0.39
6'	28.0	0.25
7'	20.0	0.18
8'	17.0	0.15
9'	13.0	0.12

38' x 38' x 10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Efficacy: **111.3 lm/w**
Report[2]: STMR-3755

Adjustment Factors

Finish	CCT	Lumens
CL = 101%	90CRI 4000K = 107%	1500lm = 150%
CC = 100%	90CRI 3500K = 100%	1000lm = 100%
CD = 96%	90CRI 3000K = 93%	500lm = 70%
WH = 92%	90CRI 2700K = 87%	
BK = 56%		

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	112	109	106	103	107	102	103	99	99	96	91
2	105	99	94	90	97	89	94	87	91	85	82
3	98	90	84	79	89	79	86	77	84	76	73
4	92	83	76	71	81	70	79	69	77	68	66
5	86	76	69	63	75	63	73	62	71	62	60
6	80	70	62	57	69	57	67	57	66	56	54
7	76	64	57	52	64	52	62	52	61	51	49
8	71	60	53	48	59	48	58	47	57	47	45
9	67	56	49	44	55	44	54	44	53	44	42
10	63	52	45	41	52	41	51	41	50	40	39

Room Cavity Ratio

Downlight, Medium Beam, 1000lm engine, 116 lm/W at 8.7W

Candela Curve

Frame: **3RN**
Engine / Trim:
P3RDL10935MCLZ10U

Output lumens:	1013 lms
Input watts:	8.7 W
CRI:	90 min
CCT[1]:	3500K
Spacing Crit.:	1.3
Beam Angle:	74°

Zonal summary

Zone	Lumens	%Luminaire
0-30	544	53.7%
0-40	829	81.8%
0-60	1002	98.9%
0-90	1013	100.0%

Angle	Mean CP	Lumens
0	633	
5	626	
10	614	59
15	620	
20	680	180
25	676	
30	589	305
35	471	
40	291	285
45	147	
50	87	123
55	58	
60	23	50
65	6	
70	3	8
75	2	
80	1	2
85	0	
90	0	0

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*
5'	25	6.5'
6'	18	7.8'
7'	13	9.1'
8'	10	10.4'
9'	8	11.7'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	45.0	0.39
6'	30.0	0.25
7'	21.0	0.18
8'	18.0	0.15
9'	14.0	0.12

38' x 38' x 10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Efficacy: **116.4 lm/w**
Report[2]: STMR-3754

Adjustment Factors

Finish	CCT	Lumens
CL = 101%	90CRI 4000K = 107%	1500lm = 150%
CC = 100%	90CRI 3500K = 100%	1000lm = 100%
CD = 96%	90CRI 3000K = 93%	500lm = 70%
WH = 92%	90CRI 2700K = 87%	
BK = 56%		

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	113	110	107	104	107	103	103	99	100	96	92
2	106	100	96	92	99	91	95	89	92	87	83
3	100	92	87	82	91	81	88	80	86	79	76
4	93	85	78	74	84	73	81	72	79	71	69
5	88	78	71	66	77	66	75	66	73	65	63
6	82	72	65	60	71	60	70	60	68	59	57
7	77	67	60	55	66	55	65	55	63	54	52
8	73	62	55	51	61	50	60	50	59	50	48
9	69	58	51	46	57	46	56	46	55	46	44
10	65	54	47	43	53	43	53	43	52	43	41

Room Cavity Ratio

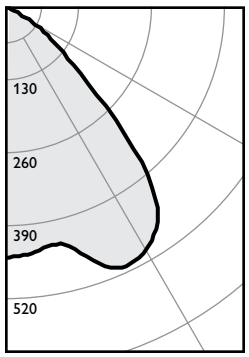
1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
2. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

P3R LyteProfile 3"

Round downlight

Downlight, Wide Beam, 1000lm engine, 114 lm/W at 8.6W

Candela Curve



Frame: **3RN**
Engine / Trim:
P3RDL10935WCLZ10U

Output lumens:	977 lms
Input watts:	8.6 W
CRI:	90 min
CCT[1]:	3500K
Spacing Crit.:	1.54
Beam Angle:	90°

Zonal summary

Zone	Lumens	%Luminaire
0-30	401	41.0%
0-40	688	70.4%
0-60	965	98.8%
0-90	977	100.0%

Angle	Mean CP	Lumens
0	444	
5	440	
10	432	42
15	439	
20	484	127
25	506	
30	497	232
35	467	
40	391	287
45	252	
50	145	197
55	91	
60	35	80
65	6	
70	3	10
75	2	
80	1	2
85	0	
90	0	0

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*
5'	18	7.7'
6'	12	9.2'
7'	9	10.8'
8'	7	12.3'
9'	5	13.9'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	43.0	0.38
6'	28.0	0.25
7'	20.0	0.18
8'	17.0	0.15
9'	13.0	0.12

38' x 38' x 10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Efficacy: **113.6 lm/w**
Report[2]: STMR-3753

Adjustment Factors

Finish	CCT	Lumens
CL = 101%	90CRI 4000K = 107%	1500lm = 150%
CC = 100%	90CRI 3500K = 100%	1000lm = 100%
CD = 96%	90CRI 3000K = 93%	500lm = 70%
WH = 92%	90CRI 2700K = 87%	
BK = 56%		

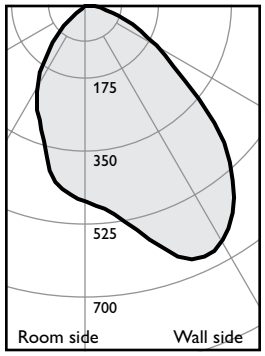
Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	112	109	106	103	107	101	102	98	99	95	91
2	105	99	94	90	97	89	94	87	91	85	81
3	98	90	83	78	88	78	85	77	83	75	72
4	91	81	75	69	80	69	78	68	76	67	64
5	85	74	67	61	73	61	71	61	69	60	58
6	79	68	60	55	67	55	65	54	64	54	52
7	74	62	55	49	61	49	60	49	59	49	47
8	69	57	50	45	56	44	55	44	54	44	42
9	64	53	45	40	52	40	51	40	50	40	38
10	61	49	42	37	48	37	47	37	46	37	35

Room Cavity Ratio

Wall wash, Wide Beam, 1000lm engine, 88 lm/W at 10.3W

Candela Curve



Frame: **3RN**
Engine / Trim:
P3RLW10935WCCZ10U

Output lumens:	905 lms
Input watts:	10.3 W
CRI:	90 min
CCT[1]:	3500K

Efficacy: **88.0 lm/w**
Report[2]: F41037

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	2' from wall, 3' on ctr.		
1	27	22	27
2	43	38	43
3	36	34	36
4	25	24	25
5	16	16	16
6	11	11	11
7	8	8	8
8	6	6	6
9	5	5	5
10	4	4	4
12	3	3	3
14	2	3	2

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	2' from wall, 4' on ctr.		
1	23	13	23
2	36	23	36
3	30	23	30
4	20	18	20
5	13	13	13
6	9	9	9
7	7	7	7
8	5	5	5
9	4	4	4
10	3	3	3
12	3	2	3
14	2	2	2

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	2' from wall, 5' on ctr.		
1	24	8	24
2	35	14	35
3	28	15	28
4	18	13	18
5	11	10	11
6	8	7	8
7	6	6	6
8	5	4	5
9	4	4	4
10	3	3	3
12	3	3	3
14	2	2	2

Adjustment factors

Finish	CCT	Lumens
CL = 102%	90CRI 4000K = 107%	1500lm = 150%
CC = 100%	90CRI 3500K = 100%	1000lm = 100%
CD = 95%	90CRI 3000K = 93%	500lm = 70%
WH = 95%	90CRI 2700K = 87%	
BK = 85%		

1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
2. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

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GARDCO

Wall Mount

GeoForm

GBM LED wall sconce

Gardco GeoForm block medium LED wall sconce features a rectangular geometric shape that will complement a range of architectural styles. GeoForm block medium is available with two light engines: precision optics which feature type 2, 3, and 4 distributions, as well as light effects optics which offer wall wash, spot, and pencil beam distributions. GeoForm with light effects can be used in up, down, or up and down configurations. Emergency battery backup option provides path-of-egress illumination. Multiple control options, including wireless Interact Pro outdoor, further enhance energy savings.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide

example: GBM-A06-840-T3M-UNV-FAWS-MG

Luminaire	Configuration Down (nom. lumens)	Color Temperature	Distribution Down	Configuration Up	Distribution Up	Voltage
GBM						
GBM GeoForm Block Medium	**Precision Plus optics**					
	A06 2,500 lumens **A07** 4,000 lumens **A08** 5,000 lumens **A09** 6,000 lumens **A10**[1] 7,500 lumens **A11**[1] 8,500 lumens **A12**[1] 9,500 lumens **A13**[1] 11,000 lumens **A14**[1] 12,500 lumens	**830** 80CRI 3000K **840** 80CRI 4000K **740** 70CRI 4000K **750** 70CRI 5000K	**T2M** Type 2 down only **T3M** Type 3 down only **T4M** Type 4 down only	**None** Leave blank for down only	**None** Leave blank for down only	**120** 120V **208** 208V **240** 240V **277** 277V **347** 347V **480** 480V **UNV** 120-277V (50/60Hz) **HVU** 347-480V (50/60Hz)
	Light Effects optics (up OR down)					
	B01[1] 700 lumens **B02**[1] 1,000 lumens **B03**[1] 2,200 lumens	**830** 80CRI 3000K **840** 80CRI 4000K	**WAW** Wall Wash **SPT** Spot **PEN** Pencil Beam	**None** Leave blank for down only	**None** Leave blank for down only	
	Light Effects optics (up AND down)					
	B04[1] 1,400 lumens **B05**[1] 2,000 lumens **B06**[1] 4,400 lumens	**830** 80CRI 3000K **840** 80CRI 4000K	**WAW** Wall Wash **SPT** Spot **PEN** Pencil Beam	**U** Uplight configuration to match downlight configuration	**WAW** Wall Wash **SPT** Spot **PEN** Pencil Beam	

Dimming Controls[2]

none Leave blank (10kV kA dimming driver standard)
DLEA[2] Dimming Leads Externally Accessible (controls by others)
DUCC[1,2] Dual Circuit Control (Only available with A06-A09)
FAWS[2] Field Adjustable Wattage Selector
MW30[1,2,3,6] Microwave motion sensor factory set at 30% dimming

DynaDimmer: Automatic Profile Dimming
Only offered with A08-A13

CS50[1,2,4,6] Safety 50% dimming, 7 hours
CM50[1,2,4,6] Median 50% dimming, 8 hours
CS30[1,2,4,6] Safety 30% dimming, 7 hours
CM30[1,2,4,6] Median 30% dimming, 8 hours

Electrical

none Leave blank (10kV kA surge protection standard)
SP2 Surge Protector 20kV/10kA (option)
FS1 Single Fuse (120, 277, or 347VAC)
FS2 Double Fuse (208V, 240V, or 480V)
FS3 Double fuse Canadian double pull (208V, 240V, or 480V)
PCB[5] Photocontrol Button (120-277V only)

Options

none Leave blank
EC[6] Emergency Battery Pack, Cold rated (-20°C to 40°C). 120 or 277V only.
BAC[7] Meets the requirements of the Buy American Act of 1933 (BAA)

Finish

Textured
BK Black
WH White
BZ Bronze
DG Dark Gray
MG Medium Gray

Customer specified
RAL Specify optional color or RAL, (ex: OC-LGP or OC-RAL7024)
CC Custom Color (must supply color chip, requires factory quote)

1. Emergency Battery Pack not available.
2. Only one option can be selected from Dimming Controls column.
3. Not available in 480V.
4. Only available from 120-277V, or in UNV.
5. Only available from 120-277V, must specify voltage.
6. Not available with "Light Effects" B01 - B06.
7. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
8. Consult Signify to confirm whether specific accessories are BAA-compliant.

Luminaire Accessories (order separately)[8]

GF-WS-BK Wall Mounted Box for surface conduit, painted black
GF-INV Inversion Mounting kit (required with inverted mounting)

DARKSKY APPROVED Reduces light pollution Certified by DarkSky.org

DLC LISTED PREMIUM

c UL us

GBM GeoForm block medium

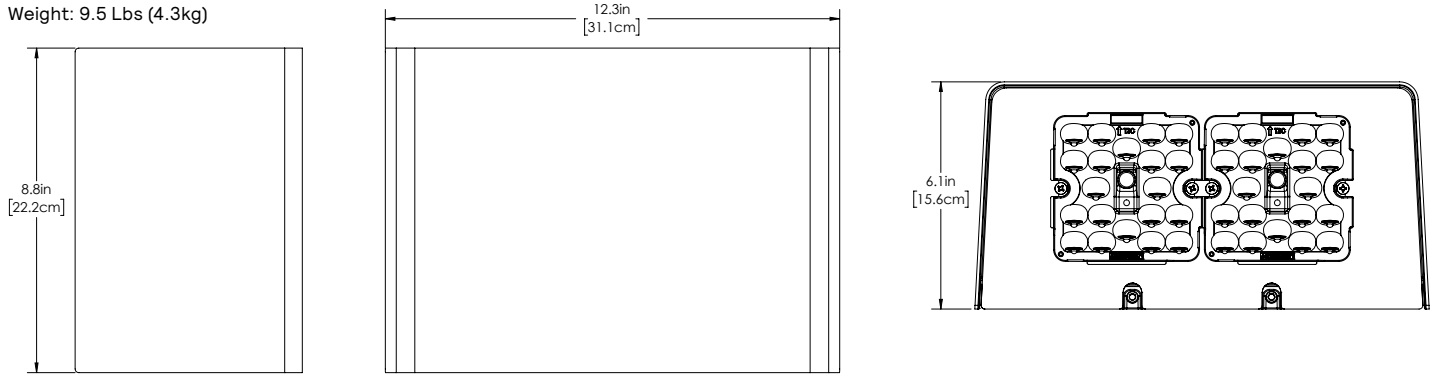
Wall sconce

Dimensions

GBM Medium Block

Standard

Weight: 9.5 Lbs (4.3kg)

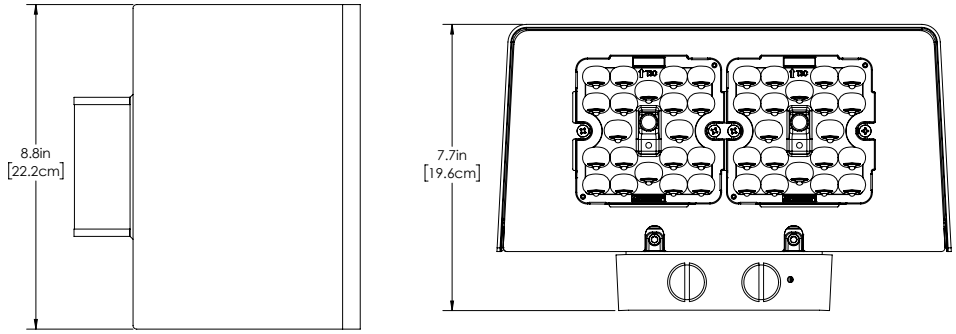


Accessory details

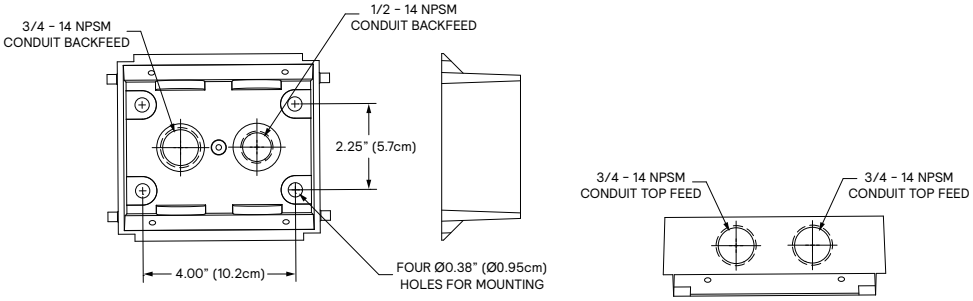
Surface mount conduit box (GF-WS-BK)

GBM Block with surface conduit wall mount box

Weight: 11 Lbs (5.9kg)



GF-WS-BK Details



GBM GeoForm block medium

Wall sconce

GBM Lumen values

3000K, 80CRI

Ordering Code	CCT	CRI	Average System Wattage	Type 2M			Type 3M			Type 4M		
				Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
GBM-A06-830	3000	80	16	2506	B1-U0-G1	154	2540	B1-U0-G1	156	2480	B1-U0-G1	152
GBM-A07-830	3000	80	23	3522	B1-U0-G1	153	3570	B1-U0-G1	155	3485	B1-U0-G1	152
GBM-A08-830	3000	80	30	4487	B1-U0-G1	150	4548	B1-U0-G1	152	4440	B1-U0-G1	148
GBM-A09-830	3000	80	39	5700	B2-U0-G2	147	5777	B2-U0-G2	149	5640	B1-U0-G2	146
GBM-A10-830	3000	80	45	6521	B2-U0-G2	145	6609	B2-U0-G2	147	6452	B1-U0-G2	143
GBM-A11-830	3000	80	52	7473	B2-U0-G2	145	7575	B2-U0-G2	147	7395	B2-U0-G2	143
GBM-A12-830	3000	80	59	8506	B2-U0-G2	143	8621	B2-U0-G2	145	8417	B2-U0-G2	142
GBM-A13-830	3000	80	66	9423	B2-U0-G2	142	9551	B2-U0-G2	144	9324	B2-U0-G2	140
GBM-A14-830	3000	80	77	10783	B3-U0-G3	139	10929	B3-U0-G3	141	10670	B2-U0-G2	138

4000K, 80CRI

Ordering Code	CCT	CRI	Average System Wattage	Type 2M			Type 3M			Type 4M		
				Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
GBM-A06-840	4000	80	16	2599	B1-U0-G1	159	2634	B1-U0-G1	162	2571	B1-U0-G1	158
GBM-A07-840	4000	80	23	3652	B1-U0-G1	159	3701	B1-U0-G1	161	3614	B1-U0-G1	157
GBM-A08-840	4000	80	30	4653	B1-U0-G1	156	4716	B1-U0-G1	158	4604	B1-U0-G1	154
GBM-A09-840	4000	80	39	5910	B2-U0-G2	153	5990	B2-U0-G2	155	5848	B1-U0-G2	151
GBM-A10-840	4000	80	45	6761	B2-U0-G2	150	6852	B2-U0-G2	152	6690	B1-U0-G2	149
GBM-A11-840	4000	80	52	7749	B2-U0-G2	150	7853	B2-U0-G2	152	7667	B2-U0-G2	149
GBM-A12-840	4000	80	59	8819	B2-U0-G2	149	8939	B2-U0-G2	151	8727	B2-U0-G2	147
GBM-A13-840	4000	80	66	9770	B3-U0-G3	147	9902	B3-U0-G3	149	9668	B2-U0-G2	146
GBM-A14-840	4000	80	77	11180	B3-U0-G3	144	11331	B3-U0-G3	146	11063	B2-U0-G2	143

4000K, 70CRI

Ordering Code	CCT	CRI	Average System Wattage	Type 2M			Type 3M			Type 4M		
				Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
GBM-A06-740	4000	70	16	2928	B1-U0-G1	180	2968	B1-U0-G1	182	2898	B1-U0-G1	178
GBM-A07-740	4000	70	23	4115	B1-U0-G1	179	4171	B1-U0-G1	181	4072	B1-U0-G1	177
GBM-A08-740	4000	70	30	5243	B2-U0-G2	175	5314	B2-U0-G2	178	5188	B1-U0-G1	174
GBM-A09-740	4000	70	39	6660	B2-U0-G2	172	6750	B2-U0-G2	174	6590	B1-U0-G2	170
GBM-A10-740	4000	70	45	7619	B2-U0-G2	169	7722	B2-U0-G2	172	7539	B2-U0-G2	168
GBM-A11-740	4000	70	52	8732	B2-U0-G2	169	8850	B2-U0-G2	172	8640	B2-U0-G2	167
GBM-A12-740	4000	70	59	9938	B3-U0-G3	168	10073	B3-U0-G3	170	9834	B2-U0-G2	166
GBM-A13-740	4000	70	66	11010	B3-U0-G3	166	11159	B3-U0-G3	168	10894	B2-U0-G2	164
GBM-A14-740	4000	70	77	12598	B3-U0-G3	163	12769	B3-U0-G3	165	12466	B2-U0-G2	161

5000K, 70CRI

Ordering Code	CCT	CRI	Average System Wattage	Type 2M			Type 3M			Type 4M		
				Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
GBM-A06-750	5000	70	16	2812	B1-U0-G1	173	2850	B1-U0-G1	175	2783	B1-U0-G1	171
GBM-A07-750	5000	70	23	3952	B1-U0-G1	172	4006	B1-U0-G1	174	3911	B1-U0-G1	170
GBM-A08-750	5000	70	30	5035	B2-U0-G2	168	5103	B2-U0-G2	171	4982	B1-U0-G1	167
GBM-A09-750	5000	70	39	6396	B2-U0-G2	165	6482	B2-U0-G2	167	6329	B1-U0-G2	164
GBM-A10-750	5000	70	45	7317	B2-U0-G2	163	7416	B2-U0-G2	165	7240	B2-U0-G2	161
GBM-A11-750	5000	70	52	8385	B2-U0-G2	163	8499	B2-U0-G2	165	8297	B2-U0-G2	161
GBM-A12-750	5000	70	59	9544	B2-U0-G2	161	9673	B3-U0-G3	163	9444	B2-U0-G2	159
GBM-A13-750	5000	70	66	10573	B3-U0-G3	159	10716	B3-U0-G3	161	10462	B2-U0-G2	158
GBM-A14-750	5000	70	77	12099	B3-U0-G3	156	12262	B3-U0-G3	158	11972	B2-U0-G2	155

GBM GeoForm block medium

Wall sconce

LED Wattage and Lumen Values (Emergency Mode)

Ordering Code	CCT	CRI	Avg. System Wattage (W)	Type 2M		Type 3M		Type 4M	
				Lumen Output	BUG Rating	Lumen Output	BUG Rating	Lumen Output	BUG Rating
GBM-A06/7/8/9-740-X-EM	4000	70	6	1000	B0-U0-G0	1014	B0-U0-G0	838	B0-U0-G0
GBM-A06/7/8/9-750-X-EM	5000	70	6	960	B0-U0-G0	973	B0-U0-G0	804	B0-U0-G0
GBM-A06/7/8/9-830-X-EM	3000	80	6	856	B0-U0-G0	868	B0-U0-G0	717	B0-U0-G0
GBM-A06/7/8/9-840-X-EM	4000	80	6	887	B0-U0-G0	899	B0-U0-G0	743	B0-U0-G0

Light Effects Optics 3000K, 80 CRI (Up or Down)

Ordering Code	CCT	CRI	Average System Wattage	Wall Wash (WAW)		Spot (SPT)		Pencil Beam (PEN)	
				Lumen Output	Efficacy (LPW)	Lumen Output	Efficacy (LPW)	Lumen Output	Efficacy (LPW)
GBM-B01-830	3000	80	8	699	88	767	97	66	8
GBM-B02-830	3000	80	18	1397	78	1534	86	133	7
GBM-B03-830	3000	80	30	2446	82	2685	90	232	8

Light Effects Optics 3000K, 80 CRI (Up and Down)

Ordering Code	CCT	CRI	Average System Wattage	Wall Wash (WAW)		Spot (SPT)		Pencil Beam (PEN)	
				Lumen Output	Efficacy (LPW)	Lumen Output	Efficacy (LPW)	Lumen Output	Efficacy (LPW)
GBM-B04-830	3000	80	16	1397	88	1534	97	133	8
GBM-B05-830	3000	80	36	2795	78	3068	86	266	7
GBM-B06-830	3000	80	60	4891	82	5369	90	465	8

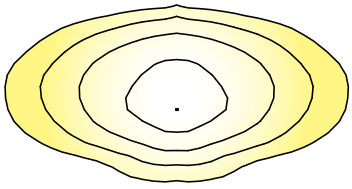
Light Effects Optics 4000K, 80 CRI (Up or Down)

Ordering Code	CCT	CRI	Average System Wattage	Wall Wash (WAW)		Spot (SPT)		Pencil Beam (PEN)	
				Lumen Output	Efficacy (LPW)	Lumen Output	Efficacy (LPW)	Lumen Output	Efficacy (LPW)
GBM-B01-840	4000	80	8	734	92	805	101	70	9
GBM-B02-840	4000	80	18	1467	82	1611	90	139	8
GBM-B03-840	4000	80	30	2568	86	2819	94	244	8

Light Effects Optics 4000K, 80 CRI (Up and Down)

Ordering Code	CCT	CRI	Average System Wattage	Wall Wash (WAW)		Spot (SPT)		Pencil Beam (PEN)	
				Lumen Output	Efficacy (LPW)	Lumen Output	Efficacy (LPW)	Lumen Output	Efficacy (LPW)
GBM-B04-840	4000	80	16	1467	92	1611	101	139	9
GBM-B05-840	4000	80	36	2935	82	3222	90	279	8
GBM-B06-840	4000	80	60	5136	86	5638	94	488	8

Optical Distributions



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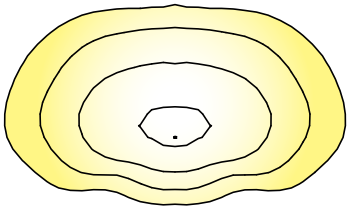

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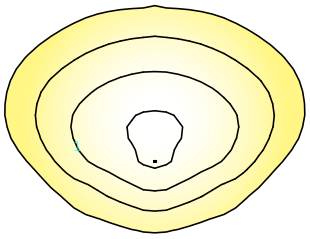


Type 4

GBM GeoForm block medium

Wall sconce

Specifications

Construction

Main body housing and door frame made of low copper die cast aluminum alloy for a high resistance to corrosion. Removable die cast backplate to allow access to driver or other electronic components for servicing. The housing acts as the main heat sinking component, optimized for maximum thermal dissipation. Giving the freedom to have a clean minimalist aesthetic design while allowing it to house emergency battery backup equipment and various other options. Luminaire housing rated to IP65, tested in accordance to Section 9 of IEC 60598-1.

IK Rating IK08 high impact resistance rating for both the housing and optics

IP Rating IP65 rated luminaire with IP66 rated light engine

Light engine

Electrical components are RoHS compliant, IP66 sealed light engine equipped LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines in compliance with EPA ENERGY STAR, extrapolations in accordance with IESNA TM-21. Metal core board ensures greater heat transfer and longer lifespan.

LED Module

Precision Plus LED printed circuit board assembly made of 20 LEDs populated on aluminum metal clad board for optimal thermal dissipation ensuring long LED life. Light Effects feature single COB LED array.

Optical System

Precision Plus optics composed of high performance UV stabilized optical grade polymer refractor lenses to achieve desired distribution for optimized spacing, target lumens and a superior lighting uniformity. Performance tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. 0% uplight and U0 per IESNA TM-15. Light effects optics composed of low iron tempered clear glass with molded gasket attached to lens without tools or RTV. Lenses provide narrow spot, pencil beam, and wall wash optical distributions..

Mounting

Mounting is achieved through integral back plate that features a hook and lock quick mount plate that secures with two set screws from bottom of luminaire. Mounting plate is located in the center of the luminaire body. Luminaire ships fully assembled, ready to install.

Installation

GeoForm features an integral hook on its mounting plate which allows a single installer to perform wiring without assistance. See installation instructions for complete details.

Control options

0–10V dimming (DLEA): Access to 0–10V dimming leads supplied through back of luminaire (for secondary dimming controls by others). Cannot be used with other control options.

Dual Circuit Control (DUCC): Luminaire equipped with the ability to have two separate circuits controlling drivers and light engines independently. Permits separate switching of separate modules controlled by use of two sets of leads, one for each circuit. Not recommended to be used with other control options, motion response, or photocells.

Field Adjustable Wattage Selector (FAWS): Luminaire equipped with the ability to manually adjust the wattage in the field to reduce total luminaire lumen output and light levels. Comes pre-set to the highest position lumen output selected. Use chart below to estimate reduction in lumen output desired. Cannot be used with other control options or motion response.

FAWS Position	Percent of Typical Lumen Output	FAWS Position	Percent of Typical Lumen Output
1	25%	**6**	80%
2	50%	**7**	85%
3	55%	**8**	90%
4	65%	**9**	95%
5	75%	**10**	100%

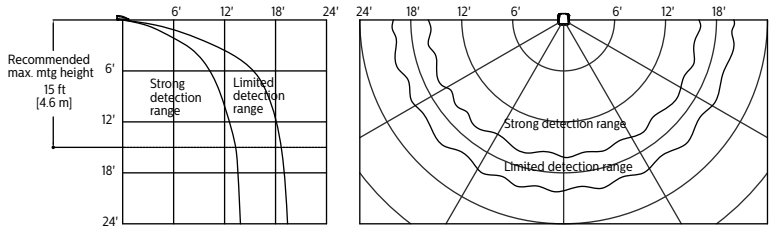
Note: Typical value accuracy +/- 5%

Automatic Profile Dimming (CS/CM): Standard dimming profiles provide flexibility towards energy savings goals while optimizing light levels during specific dark hours. Dimming profiles include two dimming settings including dim to 30% or 50% of the total lumen output. When used in combination with not programmed motion response it overrides the controller's schedule when motion is detected. After 5 minutes with no motion, it will return to the automatic diming profile schedule. Automatic dimming profile scheduled with the following settings:

- **CS50/CS30:** Security for 7 hours night duration (Ex., 11 PM – 6 AM)
- **CM50/CM30:** Median for 8 hours night duration (Ex., 10 PM – 6 AM)

All above profiles are calculated from mid-point of the night. Dimming is set for 6 hours after the mid-point and 2, or 3 hours before depending on the duration of dimming. Cannot be used with other dimming control options. Luminaires with Dynadimmer option include D4i compatible drivers.

Motion Response (MW30): Motion Response (MW30): Motion response luminaires include a high frequency microwave sensor, 5.8GHz+/- 75MHz microwave ISM continuous wave band with 360° coverage area, <0.5 mW transmitting power and <1 W standby power. Factory programmed settings dim fixture to 30% with time delay of 5 minutes with no stand-by period. When motion is detected, the luminaire returns to 100% full light output and will remain on full power for 5 minutes.



Emergency Battery Backup (EC): Emergency battery pack included integral to the luminaire, allowing for a consistent look between emergency and non-emergency luminaires. EC is cold weather rated for use in ambient temperature conditions from -20°C (-4°F) to 40°C (104°F) designed to have a secondary driver with relay to immediately detect AC power loss to power luminaire for a minimum of 90 minutes from the time power is lost. Available with 120 or 277V only.

Electrical

Driver: Driver efficiency (>90% standard). 120-480V available (restrictions apply). Open/short circuit protection. 0-10V dimming driver down to 10% standard. RoHS compliant.

Button Photocontrol (PCB): Button style design for internal luminaires mounting applications. The photocontrol is constructed of a high impact UV stabilized polycarbonate housing. Rated voltage of 120V or 208-277V with a load rating of 1000 VA. The photocell will turn on with 1-4Fc of ambient light.

GBM GeoForm block medium

Wall sconce

Specifications (cont'd)

Surge protection (SP2): Each luminaire is provided as standard with surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/ IEEE C62.41.2 Scenario I Category C High Exposure 10kV/5kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid-State Street Lighting Consortium) Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High Test Level 10kV / 5kA. Optional 20kV is available for additional protection.

Listings

UL/cUL listed to the UL 1598 standard, suitable for wet locations when mounted downward facing. GeoForm with Precision Plus optics listed for damp locations when inverted. GeoForm with light effects optics listed for wet location in up or down orientation. Suitable for use in ambient temperatures from -40° to 40°C (-40° to 104°F). GeoForm configurations with Precision Plus optics are qualified under Design Lights Consortium® Premium category. Consult DLC Qualified Products List on Specific Classifications and for more details. CCTs 3000K and warmer are IDA Dark Sky Approved. FCC Compliant.

Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powder coat finish. The surface treatment achieves a minimum of 1000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard. Standard colors include bronze (BZ), black (BK), white (WH), dark gray (DGY), and medium gray (MGY). Consult factory for specs on optional or custom colors.

Service Tag

Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the APP and register your product right away. For more details visit: signify.com

Warranty

GeoForm luminaires feature a 5-year limited warranty. See signify.com/warranties for complete details and exclusions.

Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L_{70} hours limited to 6 times actual LED test hours

Ambient Temp°C	Drive current	L_{70} per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	up to 1200 mA	>102,000 hours	>91%

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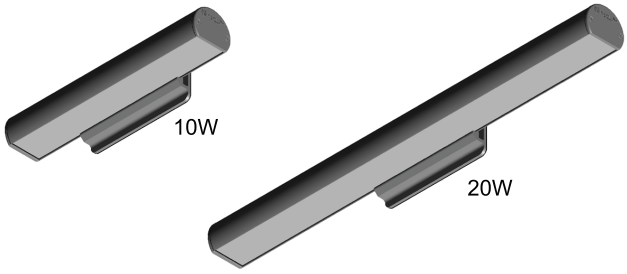
EMLED SERIES EUE
Mullion Mount Outdoor Emergency Egress Lighting

PROJECT:
FIXTURE TYPE:
LOCATION:
CONTACT/PHONE:



PRODUCT DESCRIPTION

Linear LED outdoor egress with both emergency lighting and night lighting function. The EUE series is designed to mount directly on mullion frames used in typical glass panel entrance structures, with vertical mounting surface as small as 2". High efficiency LEDs and full 90° cut-off provide uniform emergency and night lighting on the extended egress pathway. All models are outdoor rated, UL wet location, ADA compliant, and exceed requirements of UL Standard 924 and NFPA 101. Designed and manufactured in the USA, complies with ARRA (American Recovery and Reinvestment Act) and Buy American requirements.

SPECIAL FEATURES

- Very low profile extruded aluminum housing and mount bracket blend seamlessly with structural metal frames
- Remote power supply for 10W and 20W BB and AC model single fixtures
- Option for 20 watt models to operate for 2 hours in emergency mode
- Options for mount bracket height, from 2" to 5"
- Standard finishes include Brushed Aluminum, Satin White, Bronze or Black. Custom colors available on request
- Custom satin finishes for extended outdoor use are available to match any surface
- IP66 housing seals against heavy water spray and fine dust
- Universal side or top mount
- Wide lighting distribution designed for entrance walkways
- 10W or 20W emergency power models
- Optional normal-on switch allows timed control of night lighting
- Self-Test Diagnostics is optional for integral battery models.
- Certified IP66 housing withstands multi direction water spray and fine dust ingress
- Wall mount version available (see Series EAE)
- Standard CRI 5000K, with optional color corrections filters for 2900K, 3200K and 3800K.

ORDERING INFORMATION

Model	Operation	Power	Housing Color	Mount	Options
EUE	BB = Battery Backup	10 = 10 Watts Emergency	BL = Black	T = Top	DG = Self-test diagnostics (BB models only)
	(includes RPS)	and normal on power	W = Satin White	W = Wall	SD = Night lighting control switch for models
	AC = No Battery	20 = 20 Watts emergency	A = Aluminum		with DG option (120-277VAC)
	(includes RPS)	and normal on power	DB = Dark Bronze		SB120[1] = Night lighting control switch for
			X = Custom		standard BB models (120VAC)
					SB277[1] = Night lighting control switch for
					standard with BB models (277VAC)
					REC = 20W RPS panel recessed mount
					2EM = 2 hrs emergency operation for BB models
					CW1 = Color temp. - 3800K
					CW2 = Color temp. - 3200K
					CW3 = Color temp. - 2900K
					DAC = Dual AC input
					2HT = 2" Mount Bracket height
					5HT = 5" Mount Bracket height

NOTE: [1] For 10W units only. 20W use SD option.

EXAMPLE: EUEBB10AW-DG

Mule Lighting , Inc. 46 Baker Street Providence, RI 02905 800 556-7690 P 401 941-2929 F www.mulelighting.com

EMLED SERIES EUE
Mullion Mount Outdoor Emergency Egress Lighting

PROJECT:
FIXTURE TYPE:
LOCATION:
CONTACT/PHONE:

CONSTRUCTION

• Extruded aluminum lamp housing 2” diameter, with gasketed mount bracket only
2 1⁄2”Ht that includes a waterproof compression seal for universal wall or top mount.
• Available models include:
BB and AC: Single fixtures powered from a Remote Power Supply AC: 120/277 VAC input, with or without battery
• Wet location listed, UL924 and certified IP66
• Gasketed, molded end caps and Sealed acrylic lens
• Stainless steel hardware

LIGHTING

• Lamps connected in parallel allow continuous lighting after failure of one lamp, meeting NEC and NFPA requirements.
• Standard output color 5000K. Optional outputs available 2900K, 3200K and 3800K.
• Dual function available for emergency or normally -on operation.
• Standard Operating Temperature
BB: -20C to 40C (-4F to 104F)
AC: -20C to 40C (-4F to 104F)

ELECTRONICS

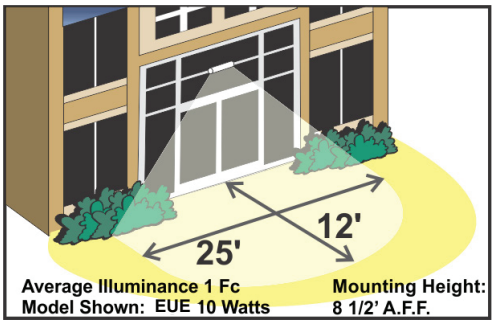
• Self-Test/Self-Diagnostic operation is optional for BB models with the Remote Power Supply.
• Line latch circuit prevents unwanted emergency activation at installation.
• Low Voltage Disconnect prevents deep battery discharge

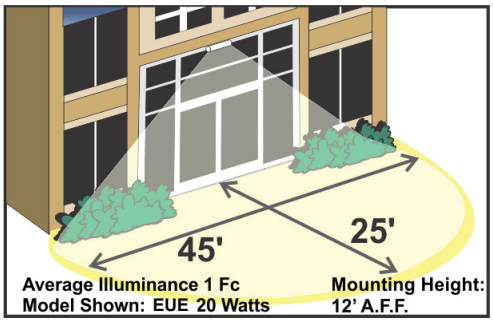
CODES

• Manufactured and tested to UL Standard 924, NFPA Life Safety Code 101, and certified to IP66.

WARRANTY

• 10 year total customer satisfaction warranty.





NOTE: FOR REFERENCE ONLY. STANDARD REFLECTANCES 80/50/20. MULE IS NOT RESPONSIBLE FOR SPECIFIC CONDITIONS THAT MAY ALTER THE RESULTS.

Self-test Diagnostic Functions
(BB models)

STATUS	LED DISPLAY
Normal Full Charge	GREEN ON
Normal Fast Charge	ORANGE ON
Failed Battery	RED FLASH FAST
Failed Lamp	GREEN FLASH
Failed Transfer	ORANGE FLASH
Failed Charger	RED FLASH SLOW

EMLED SERIES EUE
Mullion Mount Outdoor Emergency Egress Lighting

PROJECT:
FIXTURE TYPE:
LOCATION:
CONTACT/PHONE:

SUGGESTED SPECIFICATIONS

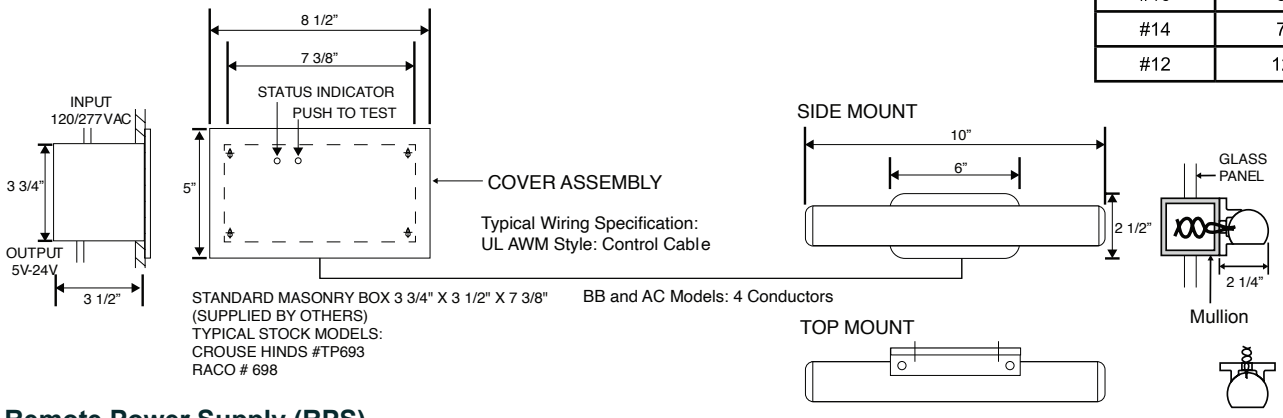
Fixtures: Supply and install the EMLED Series EUE Mullion Mount or Series EAE Wall Mount emergency lighting fixture manufactured by Mule Lighting Inc. The fixture shall be listed for installation in wet locations in compliance with UL 924 and IP66 standards and shall be capable of operating either from Utility power at 120/277VAC or remote power supply Series RPS. Upon loss of AC building power, emergency models shall operate for a minimum of 90 minutes in compliance with UL Standard 924 and NFPA LSC 101.

Max. wiring length from RPS to fixture

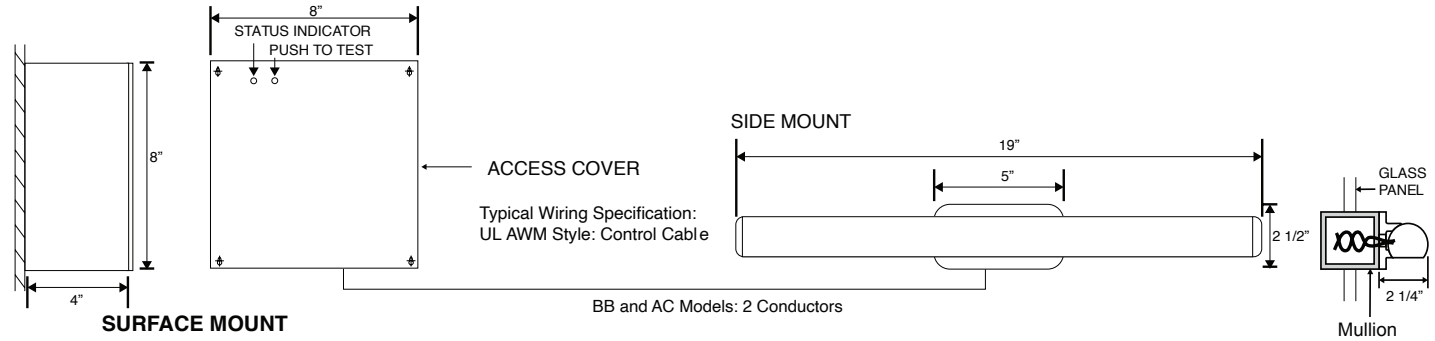
Wiring Size AWG	LENGTH (FT)	LENGTH (FT)
	EUEBB10	EUEBB20
#22	NA	20
#20	12	40
#18	25	60
#16	50	100
#14	75	160
#12	125	250

MOUNTING DATA

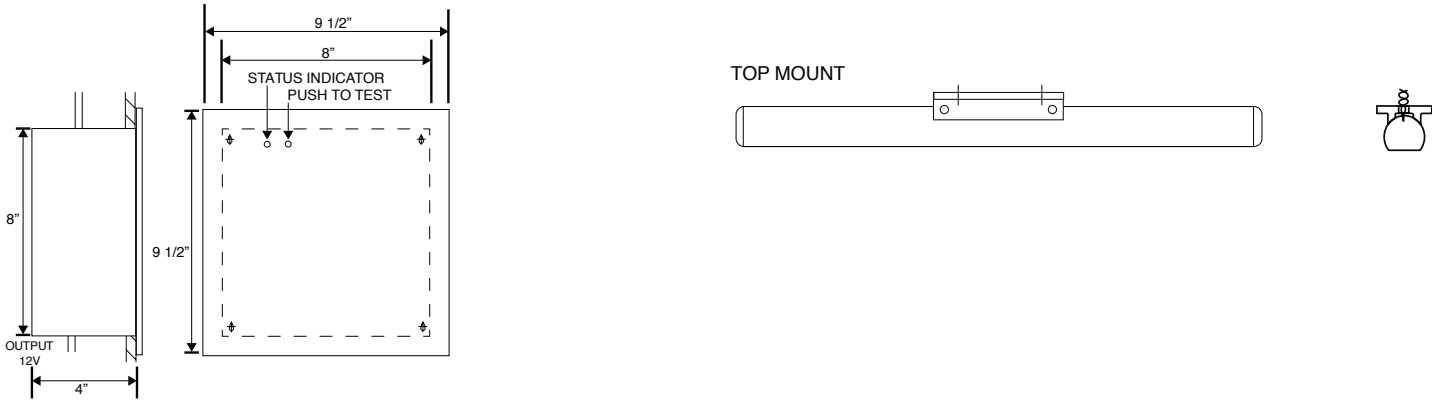
Remote Power Supply (RPS) - Included Standard 10 Watt AC & BB Models



Remote Power Supply (RPS) 20 Watt AC & BB Models



SURFACE MOUNT



RECESS MOUNT (OPTION REC)

Specifications and dimensions subject to change without notice.

Staff Evaluation of Bank
Final

Property Location: 203 Lexington Ave
Tax Map Number: 000721-02-024
Property Zoning District: Village Commercial (VC)
Property Overlay District: Downtown
Applicant: Frank Dougherty **- Fifth-Third Bank**

August 22, 2025

This commercial development is proposed for development of a Bank within the Village Commercial district. The building is a total of 1900 SF brick building. Property owner is currently working with the Town staff on preliminary plans. Review of the building appears to be contemporary with some components that do not meet the overlay district requirements and is generic style with no unique features that would meet the intent of the Code. The drive-thru and ATM have received a variance approval from the BZA.

The following items have been updated and changed from the recommendations from the ARB on May 5th meeting. See Red comments for changes made.

1. Exterior color of building that are shown are brick colors are listed as; Steel Gray. Exterior Brick and Stone finishes were selected to align with approved color. Refer to finish schedule.
2. ARB suggested to adjust the awnings to align with the existing styles and overall ascetics of the downtown area. Sloped roof line has been expanded. A201 and A202 Exterior Elevations.
3. Street frontage of building does not meet the building frontage requirement of 40% glazing. Windows on the east elevation of building facing Lexington Avenue have been expanded to achieve the 40% requirement. A201 and A202 Exterior Elevations.
4. Window material and size need clarification. Updated refer to A201 and A202 Exterior Elevations /A601 Windows Schedule.
5. ARB requested to adjust roof pitch / parapet not permitted. Sloped roof line has been expanded. Refer to updated A201 and A202 Exterior Elevations.
6. ARB requested North elevation window to break up blank wall. Updated with bricked in window design added to provide additional articulation to this façade.
7. Confirm height of parapet is at least 1' higher than mechanical units on Roof**.** **In Compliance** A301 and A302 Building Sections show dimensions for the roof top mechanical units and the parapets with minimum of 1' height difference.
8. Exterior ascetics need to be screened. **In Compliance**. Updated Refer to A201/ A202 Exterior Elevations and L100 Planting Plan for location of equipment to be screened with landscaping beds. Gutters are tied into stormwater drainage and the connection at grade level is screened in landscaping beds
9. Open space requirements are in compliance. Pedestrian amenities (benches and picnic table) integrated into the landscaping have been added along pedestrian sidewalk access route on the north and south sides of the building.
10. ARB requested pedestrian plan for connection to abutting property. BHDP coordinated with adjacent property to the south for the sidewalk access point in southwest corner of site.
11. ARB suggested adding more landscaping. **In Compliance**. Updated plans L100 Planting Plan for landscaping updates. Landscaping bed plant selection coordinated and adjusted to align with property to the south.
12. Traffic Impact Study will be required prior to final approval. Working on TIS.

Staff Evaluation of Bank
Final

13. ARB requested exterior building lighting incorporates row lighting from ground. **Updated plans** Refer to A110 Reflected Ceiling Plan and E101 Lighting Plan for exterior lighting added to the building roof top eaves shining down.
14. ARB requested site lighting to match other property and lighting plan to ensure no spillage onto surrounding properties. BHDP has coordinated exterior pole lighting specification. Refer to Supplemental Documents for pole. Refer to E006 Exterior Photometric Plan.

Mural painting artwork will require approval from Town Administrator and is a completely separate approval process.

Staff recommends that the application of Fifth-Third be issued a certificate of appropriateness on condition of ARB approval.

Revit 2023 Template Update 2025

FIFTH THRID BANK - CHAPIN
NEW CONSTRUCTION - 1900S

203 LEXINGTON AVE
CHAPIN, SC 29306

BHDP ARCHITECTURE
302 WEST THIRD STREET, SUITE 500
CINCINNATI, OH 45202

THE KLEINGERS GROUP
6219 CENTRE PARK DRIVE
WEST CHESTER TOWNSHIP, OH 45069

SCHAEFER
537 EAST PETE ROSE WAY, SUITE 400
CINCINNATI, OH 45202

HEAPY ENGINEERING
1400 WEST DOROTHY LANE
DAYTON, OH 45409

ARCHITECTURAL REVIEW BOARD - FINAL SUBMITTAL

ARCHITECTS / INTERIOR DESIGNERS

CIVIL ENGINEERS

STRUCTURAL ENGINEERS

MEP ENGINEERS

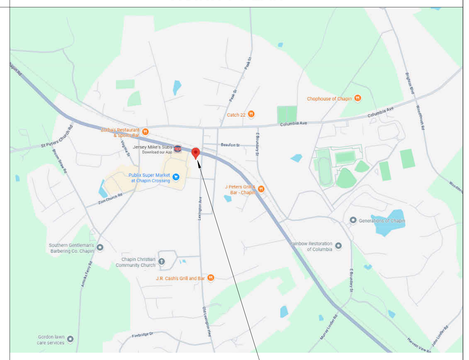
ABBREVIATIONS

AC	ACOUSTICAL CEILING TILE	G	GLAZING	PLAM	PLASTIC LAMINATE
ADJ	ADJUSTABLE	GA	GAUGE	PT	PAINT
AFF	ABOVE FINISHED FLOOR	GB	GRAB BAR		
ALT	ALTERNATE	GC	GENERAL CONTRACTOR	R	RADIUS
APPROX.	APPROXIMATELY	GYP	GYPSUM	REF	REFERENCE
AVG.	AVERAGE			REFR	REFRIGERATOR
		HDWR	HARDWARE	REQ'D	REQUIRED
BLDG	BUILDING	HM	HOLLOW METAL	REV	REVISION
		HORIZ	HORIZONTAL	RB	RUBBER BASE
CAB	CABINET	HT	HEIGHT	RM	ROOM
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	HVAC	HEATING/VENTILATION/AIR CONDITIONING	RO	ROUGH OPENING
CFSF	COLD-FORMED STRUCTURAL FRAMING				
CJ	CONTROL JOINT	IN	INCH	SD	SOAP DISPENSER
CL	CENTERLINE	INSUL	INSULATION	SIM	SIMILAR
CLG	CEILING	INT	INTERIOR	SPEC	SPECIFICATIONS
CM	CONSTRUCTION MANAGER			SF	SQUARE FOOT OR FEET
CMU	CONCRETE MASONRY UNIT	JAN	JANITOR	SQYD	SQUARE YARD
COL	COLUMN	JT	JOINT	STD	STANDARD
CONC	CONCRETE			STL	STEEL
CONT	CONTINUOUS	LB	POUND	STO	STORAGE
CORR	CORRIDOR	LGMF	LIGHT GUAGE METAL FRAME	SS	STAINLESS STEEL
		LIN	LINEAR		
DIA	DIAMETER			TB	TOWEL BAR
DIM	DIMENSION	MAS	MASONRY	TEL	TELEPHONE
DWG	DRAWING	MATL	MATERIAL	TEMP	TEMPORARY
		MAX	MAXIMUM	TLT	TOILET
EA	EACH	MECH	MECHANICAL	TPD	TOILET PAPER DISPENSER
EJ	EXPANSION JOINT	MTL	METAL	TR	TRASH RECEPTACLE
ELEC	ELECTRICAL	MFR	MANUFACTURER	TV	TELEVISION
EMER	EMERGENCY	MIN	MINIMUM	TYP	TYPICAL
EQ	EQUAL	MISC	MISCELLANEOUS		
EQUIP	EQUIPMENT	MTD	MOUNTED	UL	UNDERWRITERS LABORATORIES
EWC	ELECTRIC WATER COOLER				
EXG	EXISTING TO REMAIN	NOM	NOMINAL	VCT	VINYL COMPOSITION TILE
EXT	EXTERIOR	NTS	NOT TO SCALE	VERT	VERTICAL
				VEST	VESTIBULE
FA	FIRE ALARM	OC	ON CENTER	V.I.F.	VERIFY IN FIELD
FE	FINISH END	OD	OUTSIDE DIAMETER		
FEC	FIRE EXTINGUISHER CABINET	OFOI	OWNER FURNISHED, OWNER INSTALLED	WD	WOOD
FIN	FINISH	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	WT	WEIGHT
FIXT	FIXTURE	OPNG	OPENING		
FLR	FLOOR	OPP	OPPOSITE		
FP	FILLER PANEL				
FT	FOOT (FEET)				
FRT	FIRE RETARDANT WOOD				

SITE PLAN

PROJECT NORTH / TRUE NORTH

VICINITY PLAN



PROJECT NORTH / TRUE NORTH

SYMBOLS

- EXTERIOR ELEVATION REFERENCE — 1 / M99 SIM — ELEVATION REFERENCE; INDICATES DRAWING SHEET ON WHICH ELEVATION IS SHOWN
- SECTION REFERENCE — 1 / M99 SIM — ELEVATION REFERENCE; INDICATES DRAWING SHEET ON WHICH ELEVATION IS SHOWN
- DETAIL REFERENCE — 1 / A101 — ELEVATION REFERENCE; INDICATES DRAWING SHEET ON WHICH ELEVATION IS SHOWN
- 0 — SHEET NOTE
- 00 0000 0 — REFERENCE KEYNOTE
- 0.00' — SPOT ELEVATION
- 0.00' — FLOOR ELEVATION
- REVISION AND NUMBER
- ROOM NAME: 101 — ROOM TAG
- ROOF TAG — RT: ROOF TYPE; RL: ROOF LEVEL
- G3: C X X — INTERIOR PARTITION TYPE
- A-1 — GLAZING TAG
- 101 / WALL / FLOOR / BASE — ROOM FINISH TAG
- A101A — DOOR & DOOR NUMBER
- 1'-0": CLG1 — CEILING HEIGHT TAG A.F.F.
- 1i — TOILET ROOM ACCESSORY TAG
- 0 — EXISTING COLUMN REFERENCE
- 0 — NEW COLUMN REFERENCE
- WALLS IN PLAN VIEW
  - EXISTING CONSTRUCTION TO REMAIN
  - NEW CONSTRUCTION
  - EXISTING CONSTRUCTION TO BE REMOVED
- PLAN VIEW: NEW / EXISTING WINDOW TO REMAIN
- WS* — SYSTEM FURNITURE TAG
- 1i — FURNITURE TAG
- NORTH ARROW

MATERIAL SYMBOL

- FACE BRICK
- MASONRY
- CONCRETE, CAST STONE
- NEW WALLS (PLAN VIEW), EXISTING CONSTRUCTION (SECTION VIEW)
- PLYWOOD
- FINISH WOOD
- WOOD BLOCKING (NOM.)
- WOOD BLOCKING (NOT NOM.)
- CUT STEEL
- RIGID INSULATION
- PERIMETER INSULATION
- GYPSUM, GROUT, SAND (SECTION VIEW), NEW CONCRETE SLAB (PLAN VIEW)
- METAL DECK
- BATT INSULATION
- EARTH
- GRAVEL, DRAINAGE FILL

GENERAL PROJECT NOTES

A. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
B. TESTING AND INSPECTION SERVICES FOR THE PROJECT SHALL BE PERFORMED BY AN APPROVED TESTING AND INSPECTION AGENCY AS ACCEPTABLE TO THE AUTHORITIES HAVING JURISDICTION.
C. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E84. FINISHES SHALL BE CLASS B (FLAME SPREAD 26-75; SMOKE DEVELOPED 0-450). FINISHES OTHER THAN TEXTILES SHALL BE TESTED IN ACCORDANCE WITH NFPA 286. THESE REQUIREMENTS MEET OR EXCEED THOSE LISTED IN THE BUILDING CODE REFERENCED ABOVE.
D. CONTRACTOR SHALL SCHEDULE AND ARRANGE FOR ALL REQUIRED LEGAL INSPECTIONS.
E. CONTRACTOR SHALL COMPLY WITH ALL CURRENT "HAZARDOUS MATERIALS COMMUNICATIONS" (HAZCOM) REQUIREMENTS. THE CONTRACTOR SHALL OBTAIN "MATERIAL SAFETY DATA SHEETS" (MSDS) FOR ALL HAZARDOUS MATERIALS TO BE USED ON THE PROJECT. OBTAIN DATA SHEETS FROM THE MANUFACTURERS AND DELIVER TO THE OWNER'S REPRESENTATIVE PRIOR TO USING SUCH SUBSTANCES ON SITE. THE CONTRACTOR SHALL ALSO COMPLY WITH LAWS, ORDINANCES, RULES, AND REGULATIONS OF FEDERAL, STATE, REGIONAL, AND LOCAL AUTHORITIES REGARDING HANDLING, STORING, TRANSPORTING, AND DISPOSING OF HAZARDOUS MATERIALS. PRIOR TO TRANSPORTING ANY HAZARDOUS WASTES, THE APPROPRIATE SITE ENVIRONMENTAL LEADER MUST BE CONTACTED.
F. PENETRATIONS THROUGH STRUCTURAL MEMBERS, ROOF ASSEMBLY AND FLOOR SLABS, NOT INDICATED ON THE DRAWINGS, SHALL REQUIRE APPROVAL BY THE ARCHITECT AND OWNER PRIOR TO PERFORMING THE WORK. SEAL CONDUITS, PIPES, AND SYSTEMS WHICH PENETRATE FIRE-RATED WALLS AND PARTITIONS WITH CLASSIFIED SYSTEMS BY UNDERWRITERS LABORATORIES, INC.
G. EXACT SIZE AND LOCATIONS OF ALL MECHANICAL AND ELECTRICAL ROOF AND FLOOR OPENINGS SHOWN ON THE ARCHITECTURAL AND STRUCTURAL PLANS ARE TO BE VERIFIED WITH THE MECHANICAL AND ELECTRICAL CONTRACTORS PRIOR TO CONSTRUCTION.
H. THE CONTRACTOR SHALL EXAMINE THE SITE AND PORTIONS THEREOF WHICH AFFECT THE WORK AND SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. NO ADDITIONAL EXPENSE SHALL BE ALLOWED WHICH RESULTS FROM THE FAILURE TO PERFORM THIS EXAMINATION.
I. CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF ALL NEW M.E.P. ITEMS OR OPENINGS WITH THE APPROPRIATE CONTRACTORS.
J. ALL MATERIALS, FIXTURES AND EQUIPMENT INDICATED IN THE CONSTRUCTION DOCUMENTS SHALL BE NEW, AND AS SPECIFIED, UNLESS IDENTIFIED OTHERWISE.
K. DIMENSIONS INDICATED ON PLANS ARE TO FACE OF PARTITIONS OR COLUMN CENTERLINE UNLESS NOTED OTHERWISE.
L. DO NOT SCALE FROM THE DRAWINGS. THE ARCHITECT SHALL BE NOTIFIED OF ANY CONFLICTS IN DIMENSIONING.
M. DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE 4" FROM THE FACE OF FINISHED WALL TO FACE OF DOOR FRAME JAMB AT HINGE SIDE OR CENTERED BETWEEN PERPENDICULAR PARTITIONS.
N. PLUMBING FIXTURES: SINKS, DRINKING FOUNTAINS, WATER CLOSETS AND URINALS ARE TO BE CENTERED WITH CABINETS, BETWEEN PARTITIONS AND FRAMED OPENINGS.
O. ALL NEW FINISHED SURFACES SHALL BE SMOOTH, CONTINUOUSLY FREE OF IMPERFECTIONS AND IN PROPER CONDITION TO RECEIVE THE SPECIFIED FINISH. TAPE AND FILL ALL JOINTS IN GYPSUM WALLBOARD PANELS, READY FOR PAINTING. PAINTING ABOVE CEILINGS IS NOT REQUIRED.
P. PROVIDE ALL REQUIRED BLOCKING, FURRING AND BACKING FOR ANY WALL MOUNTED FIXTURES, SHELVING AND ACCESSORIES AND ALL CASEWORK / MILLWORK.
Q. ALL CASEWORK AND MILLWORK TO BE SCRIBED AND/OR SEALED WHERE MEETS ADJACENT PARTITION TO MITIGATE IRREGULARITIES IN SURFACE. ALL COUNTER MATERIAL SEAMS TO BE MINIMIZED TO APPROPRIATE AMOUNT. REFER TO FINISH LEGEND FOR WOODWORK FINISHES.
R. PROVIDE BACKER ROD AND SEALANT AT ALL DISSIMILAR MATERIALS.
S. ALL WOOD BLOCKING, NAILERS, GROUNDS, PLYWOOD TO BE NON-COMBUSTIBLE.
T. PROVIDE WOOD TREATMENT FOR ALL WOOD ITEMS WHICH WILL BE A PERMANENT PART OF THE BUILDING CONSTRUCTION. TREAT WOOD ITEMS AS APPROPRIATE FOR THE LOCATION AND SEVERITY OF THE CONDITIONS IN WHICH THEY ARE INSTALLED. PROVIDE TREATMENTS WITH APPROPRIATE FIRE-RETARDANT AND EXPOSURE CLASSIFICATIONS.
U. ALL FLOORS ON EITHER SIDE OF DOORWAY OR OPENING SHALL BE LEVEL AND HAVE A MAXIMUM ELEVATION DIFFERENCE OR THRESHOLD HEIGHT OF 1/2".
V. ALL NEW CONCRETE FLOORS SCHEDULED SHALL BE LEVEL TO WITHIN 1/8" OVER 10'-0" AND MEET ALL FLOORING MANUFACTURER'S REQUIREMENTS FOR LEVELING AND INSTALLATION BEFORE FINISH FLOORING IS APPLIED.
W. CONTRACTOR TO REFER TO OTHER DRAWINGS FOR ADDITIONAL GENERAL NOTES FOR OTHER DISCIPLINES.
X. ALL EXTERIOR PLYWOOD SHEATHING TO BE FIRE RETARDANT TREATED.

DRAWING INDEX

SHEET NUMBER	SHEET NAME
GENERAL	
G001	COVER SHEET
G002	LIFE SAFETY PLAN
G003	ACCESSIBILITY NOTES AND DETAILS
G004	WALL TYPES AND DETAILS
CIVIL	
C400	LOCATION PLAN
C500	UTILITY PLAN
C600	GRADING PLAN
LANDSCAPE	
L100	PLANTING PLAN
L101	PLANTING ENLARGEMENTS & DETAILS
STRUCTURAL	
S101	FOUNDATION PLAN
ARCHITECTURAL	
A101	FLOOR PLAN
A101A	DIMENSION FLOOR PLAN
A110	REFLECTED CEILING PLAN
A120	ROOF PLAN
A140	TRASH ENCLOSURE AND DETAILS
A201	EXTERIOR ELEVATIONS
A202	EXTERIOR ELEVATIONS
A301	BUILDING SECTIONS
A302	BUILDING SECTIONS
A502	EXTERIOR PLAN DETAILS
A511	EXTERIOR WALL SECTIONS
A512	EXTERIOR WALL SECTIONS
A513	EXTERIOR WALL SECTIONS
A523	EXTERIOR DETAILS
A601	WINDOWS SCHEDULE & DETAILS
A602	DOOR SCHEDULE & DETAILS
I101	FURNITURE AND EQUIPMENT PLAN AND SCHEDULES
PLUMBING	
P001	PLUMBING LEGEND
P002	PLUMBING SCHEDULES & DETAILS
P100	PLUMBING FOUNDATION PLAN
P101	PLUMBING FIRST FLOOR PLAN
P102	PLUMBING ROOF PLAN
P200	PLUMBING ISOMETRICS
MECHANICAL	
M001	MECHANICAL LEGEND
M002	SCHEDULES
M003	DETAILS
M101	FLOOR PLAN
M102	ROOF PLAN
M600	CONTROL SCHEMATICS
ELECTRICAL	
E001	ELECTRICAL LEGENDS AND ABBREVIATIONS
E002	SINGLE LINE & EQUIPMENT SCHEDULE
E003	LIGHTING SCHEDULES & GENERAL NOTES
E004	LIGHTING DETAILS
E005	POWER DETAILS
E006	EXTERIOR PHOTOMETRIC CALCULATION
E007	INTERIOR PHOTOMETRIC CALCULATION
E008	INTERIOR EMERGENCY PHOTOMETRIC CALCULATIONS
E101	LIGHTING PLAN
E201	POWER & SYSTEMS PLAN
E301	FIRE ALARM PLAN
E401	SECURITY PLAN
E501	ROOF PLAN
E601	SITE PLAN
E702	ELECTRICAL ENLARGED PLAN

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6219 CENTRE PARK DRIVE
WEST CHESTER TOWNSHIP, OH 45069

No.	Issue/Revision/Submission	Date
	ARCHITECTURAL REVIEW BOARD - FINAL REVIEW	08.19.2025

FIFTH THRID BANK - CHAPIN
203 LEXINGTON AVE
CHAPIN, SC 29306
COVER SHEET

PROJECT MANAGER: M. SMITH
DRAWN: V. MYRICK
CHECKED: TBD
INITIAL DRAWING DATE: 7.9.2025
PROJECT NUMBER: FIF22.36

G001

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Revit 2023 Template Update 2025

MATERIAL CALCULATIONS - EAST ELEVATION:

MATERIAL CATEGORY	SF	PERCENTAGE
BRICK/STONE	422.6	49.7%
STOREFRONT/GLAZING	349.2	41.5%
METAL ACCENT	38.8	4.6%
FIBER CEMENT BOARD ACCENT	39.9	4.7%

TOTAL SF: 850.5

F6 / A201 EAST ELEVATION 1/4" = 1'-0"

MATERIAL CALCULATIONS - SOUTH ELEVATION:

MATERIAL CATEGORY	SF	PERCENTAGE
BRICK/STONE	286.6	35.1%
STOREFRONT/GLAZING	389.9	47.8%
METAL ACCENT	85.6	10.5%
FIBER CEMENT BOARD ACCENT	53.4	6.5%

TOTAL SF: 815.5

L6 / A201 SOUTH ELEVATION 1/4" = 1'-0"

SHEET KEYNOTES

201	OWNER PROVIDED SIGNAGE. NON-INTERNALLY ILLUMINATED, FACE LIT FROM EXTERNAL LIGHTING. REFER TO VENDOR PROVIDED SIGNAGE DRAWINGS AND ELECTRICAL DRAWINGS.
202	LOCATION OF ELECTRICAL STORM SWITCH AND WEATHERMATIC SMARTLINE CONTROLLER. TO BE SCREENED FROM RIGHT OF WAY VIEW BY LANDSCAPING. REFER TO ELECTRICAL DRAWINGS AND LANDSCAPE DRAWINGS.
203	LOCATION OF WATER SERVICE BACKFLOW ASSEMBLY TO BE SCREENED BY LANDSCAPING. REFER TO PLUMBING DRAWINGS AND LANDSCAPE DRAWINGS.
204	LOCATION OF GUTTER DOWNSPOUT TO BE TIED INTO STORMWATER DRAINAGE SYSTEM, TO BE SCREENED BY LANDSCAPING. REFER TO PLUMBING DRAWINGS AND LANDSCAPE DRAWINGS.

EXTERIOR FINISH SCHEDULE

ITEM	EXTERIOR FINISH	MANUFACTURER	SIZE / MODEL	COLOR	COMMENTS
ACM-1	ALUMINUM COMPOSITE METAL PANEL	ALCOA INC. REYNOBOND FR.		CLASSIC BRONZE	SUBMIT FINISH SAMPLE FOR AOR APPROVAL
AL-1	ALUMINUM GLAZING SYSTEM	KAWNEER		CLASSIC BRONZE ALUMINUM	SUBMIT FINISH SAMPLE FOR AOR APPROVAL
AL-2	BREAK METAL COVER	PAC-CLAD PETERSON		DARK BRONZE	MATCH FINISH WITH ALUMINUM GLAZING SYSTEM
AL-3	STANDING SEAM METAL ROOF	PAC-CLAD PETERSON	REDI ROOF	DARK BRONZE	5:12 ROOF PITCH GABLED ROOF, 11:12 ROOF PITCH MANSARD ROOF PITCH.
AL-4	METAL CANOPY TIE BACKS	TBD		TO MATCH CLASSIC BRONZE	DECORATIVE, NON-STRUCTURAL
EGD-1	ENVIRONMENTAL GRAPHIC BRANDED ARTWORK				PAINT APPLIED OVER BRICK TO CREATE MURAL. PAINT COLORS CHOSEN FROM TOWN OF CHAPIN APPROVED COLOR PALLET. REFER TO FINISH PALLET FOR ADDITIONAL INFORMATION.
EXT-1	BRICK VENEER - RUNNING BOND WITH ROWLOCK COURSE	ACME BRICK	MODULAR	SLATE GRAY (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR HAMMERED SILVER SW2840)	MORTAR BY NATIONAL CEMENT OF ALABAMA. USE COOSA "OLD LIME PUTTY" COLOR
EXT-2	BRICK VENEER - SOLDIER COURSE	ACME BRICK	KING	SLATE GRAY (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR HAMMERED SILVER SW2840)	SOLDIER COURSE - 1 COURSE TALL SEE ARCHITECTURAL DETAILS. MORTAR MATCH EXT-1
EXT-3	BRICK VENEER - HERINGBONE PATTERN	ACME BRICK	MODULAR	SLATE GRAY (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR HAMMERED SILVER SW2840)	HERINGBONE PATTERN. MORTAR TO MATCH EXT-1
EXT-4	BRICK VENEER - RUNNING BOND	ACME BRICK	MODULAR	GLAICER WHITE (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR CREAMY SW7012)	MORTAR TO BE DETERMINED BY ARCHITECT
EXT-5	BRICK VENEER - SOLDIER COURSE	ACME BRICK	THIN BRICK - KING	GLAICER WHITE (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR CREAMY SW7012)	SOLDIER COURSE - 1 COURSE TALL SEE ARCHITECTURAL DETAILS. MORTAR TO BE DETERMINED
EXT-6	FULL DEPTH CAST STONE VENEER	ROCKCAST	ST-315 TEXTURED	BUFFSTONE (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR RELIABLE WHITE SW6091)	MORTAR C-380, SUBMIT SAMPLES TO AOR FOR APPROVAL
EXT-7	CAST STONE ACCENT	ROCKCAST	SL-2431 SMOOTH	BUFFSTONE (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR RELIABLE WHITE SW6091)	MATCH EXT-6 MORTAR
EXT-8	FIBER CEMENT BOARD	TBD		PAINT SW 6378 CRISP LINEN	
EXT-9	RIVERA ARCHITECTURAL GRADE PVC OPEN CORBEL	EKENA MILLWORK	6"W X 18"D X 18"H	PAINT SW 6378 CRISP LINEN	ITEM NUMBER:CORPO060X18000X18000RIV, SUBMIT CUT SHEET TO AOR FOR APPROVAL
EXT-10	ROOF ACCESORRIES	PAC-CLAD PETERSON		DARK BRONZE	SUBMIT FINISH SAMPLE FOR AOR APPROVAL
EXT-11	FIBER CEMENT BOARD	TBD		PAINT SW7012 CREAMY	
J-1	3/8" MASONRY EXPANSION JOINT	--		MATCH MORTAR COLOR	NO SPAN OF MASONRY GREATER THAN 18'-0"
J-3	ALUMINUM COMPOSITE METAL PANEL BREAK JOINT	ARCONIC ARCHITECTURE PRODUCTS, LLC		--	COORDINATE WITH SOFFIT CONTROL JOINTS AS SHOWN ON RCP

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CINCINNATI, OH 45202

HEAPY ENGINEERING
1400 WEST DOROTHY LANE
DAYTON, OH 45449

08.19.2025 Date

ARCHITECTURAL REVIEW BOARD - FINAL REVIEW
Issue/Revision/Submission

No.

FIFTH THRID BANK - CHAPIN
203 LEXINGTON AVE
CHAPIN, SC 29306

EXTERIOR ELEVATIONS

PROJECT MANAGER: M. SMITH
DRAWN: V. MYRICK/ C. HUNTER
CHECKED: TBD
INITIAL DRAWING DATE: 7.9.2025
PROJECT NUMBER: FIF22.36

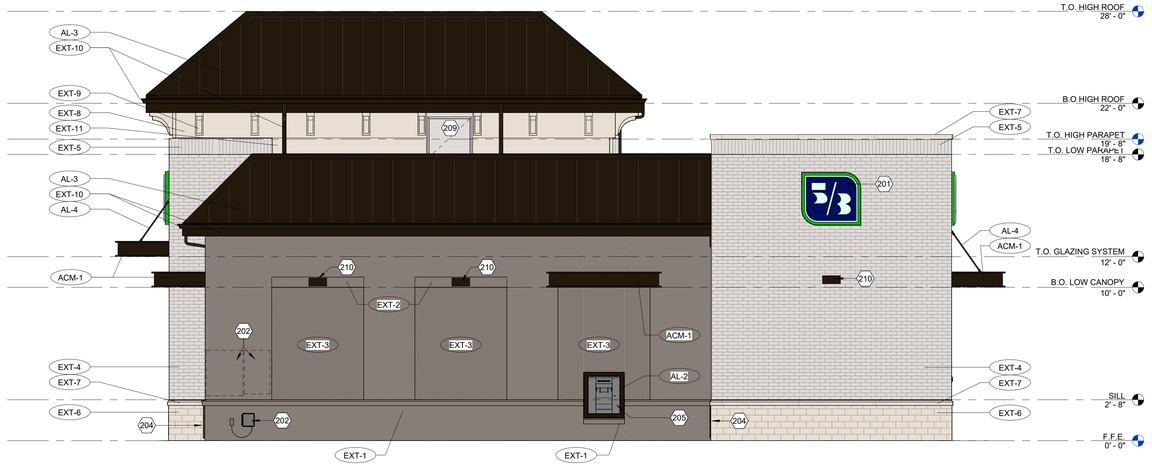
A201

Revit 2023 Template Update 2025

MATERIAL CALCULATIONS - NORTH ELEVATION:

MATERIAL CATEGORY	SF	PERCENTAGE
BRICK/STONE	721.5	94.5%
STOREFRONT/GLAZING	0	0%
METAL ACCENT	41.6	5.5%

TOTAL SF: 763.1



L6 A202 NORTH ELEVATION 1/4" = 1'-0"

MATERIAL CALCULATIONS - WEST ELEVATION:

MATERIAL CATEGORY	SF	PERCENTAGE
BRICK	468.4	61.3%
STOREFRONT/GLAZING	228.2	29.9%
METAL ACCENT	67.1	8.8%

TOTAL SF: 763.7

F6 A202 WEST ELEVATION 1/4" = 1'-0"

SHEET KEYNOTES

201	OWNER PROVIDED SIGNAGE. NON-INTERNALLY ILLUMINATED, FACE LIT FROM EXTERNAL LIGHTING. REFER TO VENDOR PROVIDED SIGNAGE DRAWINGS AND ELECTRICAL DRAWINGS.
202	LOCATION OF ELECTRICAL STORM SWITCH AND WEATHERMATIC SMARTLINE CONTROLLER. TO BE SCREENED FROM RIGHT OF WAY VIEW BY LANDSCAPING. REFER TO ELECTRICAL DRAWINGS AND LANDSCAPE DRAWINGS.
204	LOCATION OF GUTTER DOWNSPOUT TO BE TIED INTO STORMWATER DRAINAGE SYSTEM, TO BE SCREENED BY LANDSCAPING. REFER TO PLUMBING DRAWINGS AND LANDSCAPE DRAWINGS.
205	COMBO NIGHT DEPOSIT BOX/ CASH VAULT. FURNISHED BY NATIONAL VENDOR AND INSTALLED BY NATIONAL VENDOR. PREPARATION BY G.C. G.C. TO PROVIDE INSULATION AND WOOD TRIM ON INTERIOR UPON COMPLETION OF ALL ELECTRIC & ALARM WIRING. G.C. TO PROVIDE WOOD BLOCKING BETWEEN BASE OF UNIT A.
206	RECESSED KNOX BOX WITH TAMPER SWITCH, MODEL # 3200R VERIFY LOCATION WITH LOCAL MUNICIPALITY TO ENSURE COMPLIANCE.
209	ACCESS DOOR FOR ROOF ATTIC SPACE AS REQUIRED BY CODE. DOOR TO BE PAINTED TO MATCH SURROUNDING FINISHES.
210	EXTERIOR BUILDING MOUNTED LIGHTING. REFER TO ELECTRICAL DRAWINGS.

EXTERIOR FINISH SCHEDULE

ITEM	EXTERIOR FINISH	MANUFACTURER	SIZE / MODEL	COLOR	COMMENTS
ACM-1	ALUMINUM COMPOSITE METAL PANEL	ALCOA INC. REYNOBOND FR.		CLASSIC BRONZE	SUBMIT FINISH SAMPLE FOR AOR APPROVAL
AL-1	ALUMINUM GLAZING SYSTEM	KAWNEER		CLASSIC BRONZE ALUMINUM	SUBMIT FINISH SAMPLE FOR AOR APPROVAL
AL-2	BREAK METAL COVER	PAC-CLAD PETERSON		DARK BRONZE	MATCH FINISH WITH ALUMINUM GLAZING SYSTEM
AL-3	STANDING SEAM METAL ROOF	PAC-CLAD PETERSON	REDI ROOF	DARK BRONZE	5:12 ROOF PITCH GABLED ROOF, 11:12 ROOF PITCH MANSARD ROOF PITCH.
AL-4	METAL CANOPY TIE BACKS	TBD		TO MATCH CLASSIC BRONZE	DECORATIVE, NON-STRUCTURAL
EGD-1	ENVIRONMENTAL GRAPHIC BRANDED ARTWORK				PAINT APPLIED OVER BRICK TO CREATE MURAL. PAINT COLORS CHOSEN FROM TOWN OF CHAPIN APPROVED COLOR PALLET. REFER TO FINISH PALLET FOR ADDITIONAL INFORMATION.
EXT-1	BRICK VENEER - RUNNING BOND WITH ROWLOCK COURSE	ACME BRICK	MODULAR	SLATE GRAY (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR HAMMERED SILVER SW2840)	MORTAR BY NATIONAL CEMENT OF ALABAMA. USE COOSA "OLD LIME PUTTY" COLOR
EXT-2	BRICK VENEER - SOLDIER COURSE	ACME BRICK	KING	SLATE GRAY (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR HAMMERED SILVER SW2840)	SOLDIER COURSE - 1 COURSE TALL SEE ARCHITECTURAL DETAILS. MORTAR MATCH EXT-1
EXT-3	BRICK VENEER - HERINGBONE PATTERN	ACME BRICK	MODULAR	SLATE GRAY (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR HAMMERED SILVER SW2840)	HERINGBONE PATTERN. MORTAR TO MATCH EXT-1
EXT-4	BRICK VENEER - RUNNING BOND	ACME BRICK	MODULAR	GLAICER WHITE (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR CREAMY SW7012)	MORTAR TO BE DETERMINED BY ARCHITECT
EXT-5	BRICK VENEER - SOLDIER COURSE	ACME BRICK	THIN BRICK - KING	GLAICER WHITE (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR CREAMY SW7012)	SOLDIER COURSE - 1 COURSE TALL SEE ARCHITECTURAL DETAILS. MORTAR TO BE DETERMINED
EXT-6	FULL DEPTH CAST STONE VENEER	ROCKCAST	ST-315 TEXTURED	BUFFSTONE (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR RELIABLE WHITE SW6091)	MORTAR C-380, SUBMIT SAMPLES TO AOR FOR APPROVAL
EXT-7	CAST STONE ACCENT	ROCKCAST	SL-2431 SMOOTH	BUFFSTONE (ALIGNED WITH APPROVED TOWN OF CHAPIN COLOR RELIABLE WHITE SW6091)	MATCH EXT-6 MORTAR
EXT-8	FIBER CEMENT BOARD	TBD		PAINT SW 6378 CRISP LINEN	
EXT-9	RIVERA ARCHITECTURAL GRADE PVC OPEN CORBEL	EKENA MILLWORK	6"W X 18"D X 18"H	PAINT SW 6378 CRISP LINEN	ITEM NUMBER:CORPO060X18000X18000RIV, SUBMIT CUT SHEET TO AOR FOR APPROVAL
EXT-10	ROOF ACCESORRIES	PAC-CLAD PETERSON		DARK BRONZE	SUBMIT FINISH SAMPLE FOR AOR APPROVAL
EXT-11	FIBER CEMENT BOARD	TBD		PAINT SW7012 CREAMY	
J-1	3/8" MASONRY EXPANSION JOINT	--		MATCH MORTAR COLOR	NO SPAN OF MASONRY GREATER THAN 18'-0"
J-3	ALUMINUM COMPOSITE METAL PANEL BREAK JOINT	ARCONIC ARCHITECTURE PRODUCTS, LLC		--	COORDINATE WITH SOFFIT CONTROL JOINTS AS SHOWN ON RCP

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THE KLEINGERS GROUP
8278 CENTRE PARK DRIVE
WEST CHESTER TOWNSHIP, OH 45069

08.19.2025 Date

ARCHITECTURAL REVIEW BOARD - FINAL REVIEW
Issue/Revision/Submission

No.

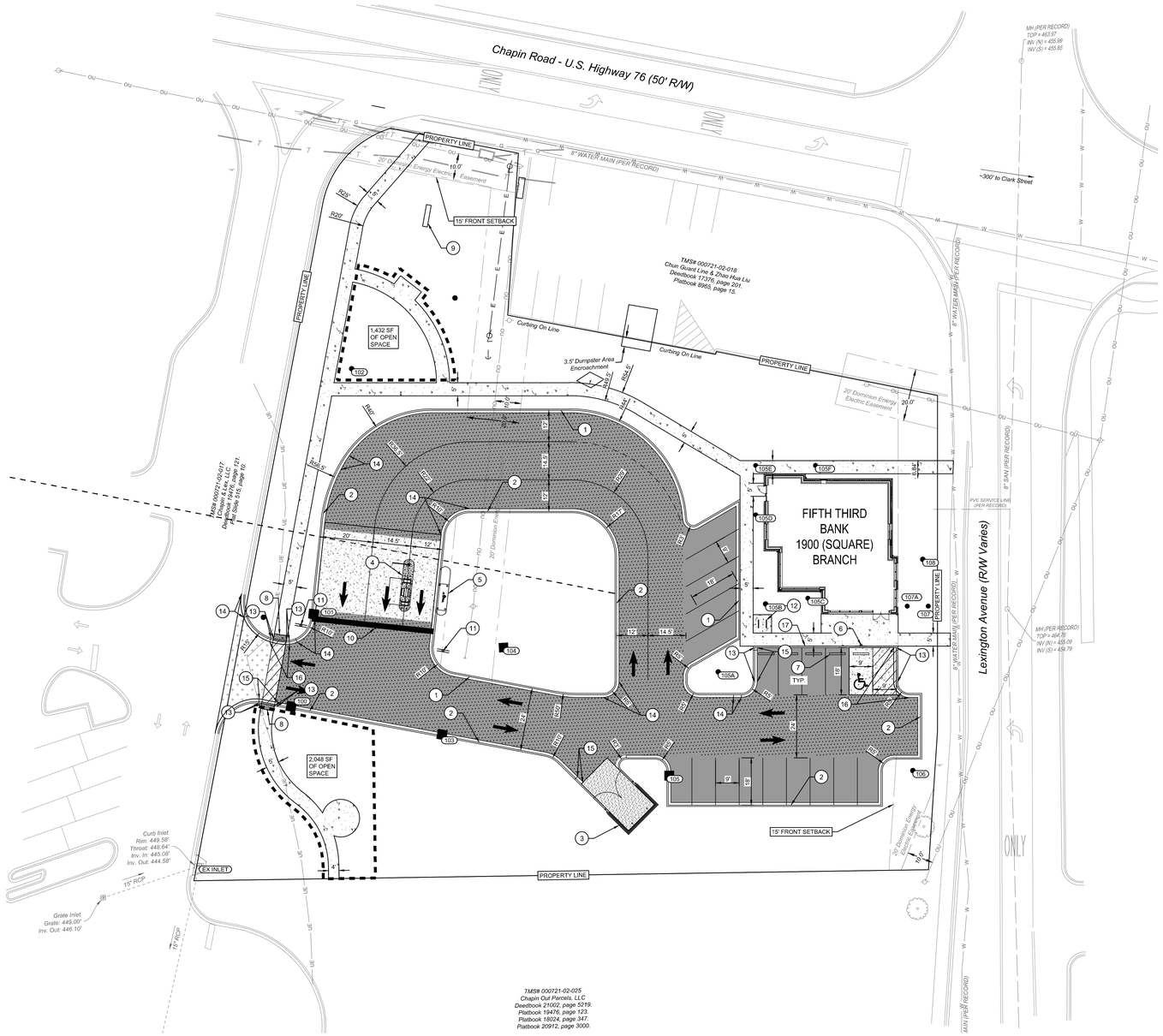
FIFTH THRID BANK - CHAPIN
203 LEXINGTON AVE
CHAPIN, SC 29306

EXTERIOR ELEVATIONS

PROJECT MANAGER
M. SMITH
DRAWN
V. MYRICK/ C. HUNTER
CHECKED
TBD
INITIAL DRAWING DATE
7.9.2025
PROJECT NUMBER
FIF22.36

A202

Autodesk Docs://FIF2236 Fifth Third Bank - Chapin/FIF22.36 - 1900s - Chapin - CFMS - ARCH - R24.rvt 8/19/2025 4:38:46 PM



TMS# 000721-02-025
Chapin Out Parcels, LLC
Deedbook 21002, page 5219.
Platbook 19476, page 123.
Platbook 18024, page 347.
Platbook 20912, page 3000.

PROPOSED LEGEND

- STANDARD DUTY ASPHALT PAVEMENT (1/C100)
- HEAVY DUTY ASPHALT PAVEMENT (2/C100)
- STANDARD DUTY CONCRETE PAVEMENT COLORED BLACK (3/C100)
- STANDARD DUTY CONCRETE (3/C100)
- HEAVY DUTY CONCRETE PAVEMENT (4/C100)
- CONCRETE WALK (7/C100, 8/C100, 9/C100)

CODED NOTES

1. CURB AND GUTTER (EXPULSION) (5/C100)
2. CURB AND GUTTER (COLLECTION) (6/C100)
3. DUMPSTER ENCLOSURE. SEE ARCHITECTURAL PLANS FOR DETAILS.
4. ATM ISLAND. SEE ARCHITECTURAL PLANS FOR DETAILS.
5. VAT TUBE ISLAND. SEE ARCHITECTURAL PLANS FOR DETAILS.
6. ADA PARKING SIGN (10/C100)
7. CONCRETE WHEEL STOP (11/C100)
8. DETECTABLE WARNINGS (12/C100)
9. PROPOSED MONUMENT SIGN
10. PROPOSED STOP BAR
11. DOUBLE SIDED DO NOT ENTER / STOP SIGN
12. PROPOSED BIKE RACK (13/C100)
13. TRANSITION FROM FLUSH TO FULL HEIGHT CURB.
14. TRANSITION FROM COLLECTION CURB AND GUTTER TO EXPULSION CURB AND GUTTER.
15. COLLECTION CURB AND GUTTER. VARIABLE GUTTER SLOPE, SEE SHEET C600 FOR ELEVATIONS.
16. EXPULSION CURB AND GUTTER. VARIABLE GUTTER SLOPE, SEE SHEET C600 FOR ELEVATIONS.
17. CONCRETE WALK WITH FLUSH CURB

NOTES

1. PER PREVIOUS DISCUSSION WITH THE TOWN OF CHAPIN, CROSS ACCESS TO THE SOUTH PROPERTY IS NOT REQUIRED.

PARKING DATA AND DRIVE THROUGH

PARKING REQUIRED:	1 SPACE PER 400 SF 1900 SF / 400 SF = 5 SPACES MIN *MAX = 125% OF MINIMUM = 6 SPACES *PARKING STUDY REQUIRED TO EXCEED MAX ALLOWABLE
TOTAL PARKING:	18 STANDARD SPACES 1 ACCESSIBLE SPACE = 19 TOTAL SPACES
PARKING SPACE SIZE:	9' X 18' FOR 90° PARKING, 24' AISLE 9' X 20.1' FOR 60° PARKING, 14.5' AISLE
ACCESSIBLE PARKING:	96" WIDE
MINIMUM REQUIRED QUEUE:	NOT SPECIFIED IN ZONING CODE
DRIVE THRU REQUIREMENTS:	DRIVE-THROUGH, PICK-UP, OR SERVICE WINDOWS SHALL BE LOCATED ON THE SIDE OR REAR OF THE PRINCIPAL USE, AND SHALL NOT FACE ANY PUBLIC RIGHT-OF-WAY
LOADING ZONE:	*NOTE: FINANCIAL INSTITUTIONS DO NOT USE LOADING ZONES FOR SECURITY PURPOSES
BICYCLE PARKING:	BICYCLE PARKING IS ONLY REQUIRED FOR USES WITH 25 PARKING SPACES OR MORE

OPEN SPACE REQUIREMENTS:

5% OF THE TOTAL AREA IS REQUIRED FOR OPEN SPACE

TOTAL SITE AREA: 58,289 SF (1.34 ACRES)
OPEN SPACE REQUIRED: 58,289 x 0.05 = 2,914 SF (0.07 ACRES)
OPEN SPACE PROVIDED: 3,480 SF (0.08 ACRES)

PROPERTY BUFFER AND SETBACK REQUIREMENTS:

PROPERTY BUFFERS ARE NOT REQUIRED BETWEEN COMMERCIAL USE AND VC/TC DISTRICTS

SETBACKS: FRONT: 15'
SIDE: NONE
REAR: THIS PROPERTY DOES NOT HAVE A REAR FACING SIDE

0 10 20 40

NOTE:
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SC811

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8279 CENTRE PARK DRIVE
WEST CHESTER TOWNSHIP, OH 45069

NO.	DESCRIPTION	DATE
1.	Architectural Review Board - Final Review	08/19/2025

FIFTH THIRD BANK - CHAPIN SC
203 LEXINGTON AVE,
CHAPIN, SC 29036
LOCATION PLAN

PROJECT MANAGER: M. GEORGE
DRAWN: B. BUSCHUR
CHECKED: M. GEORGE
INITIAL DRAWING DATE: 3.17.2025
PROJECT NUMBER: 240629.009

C400

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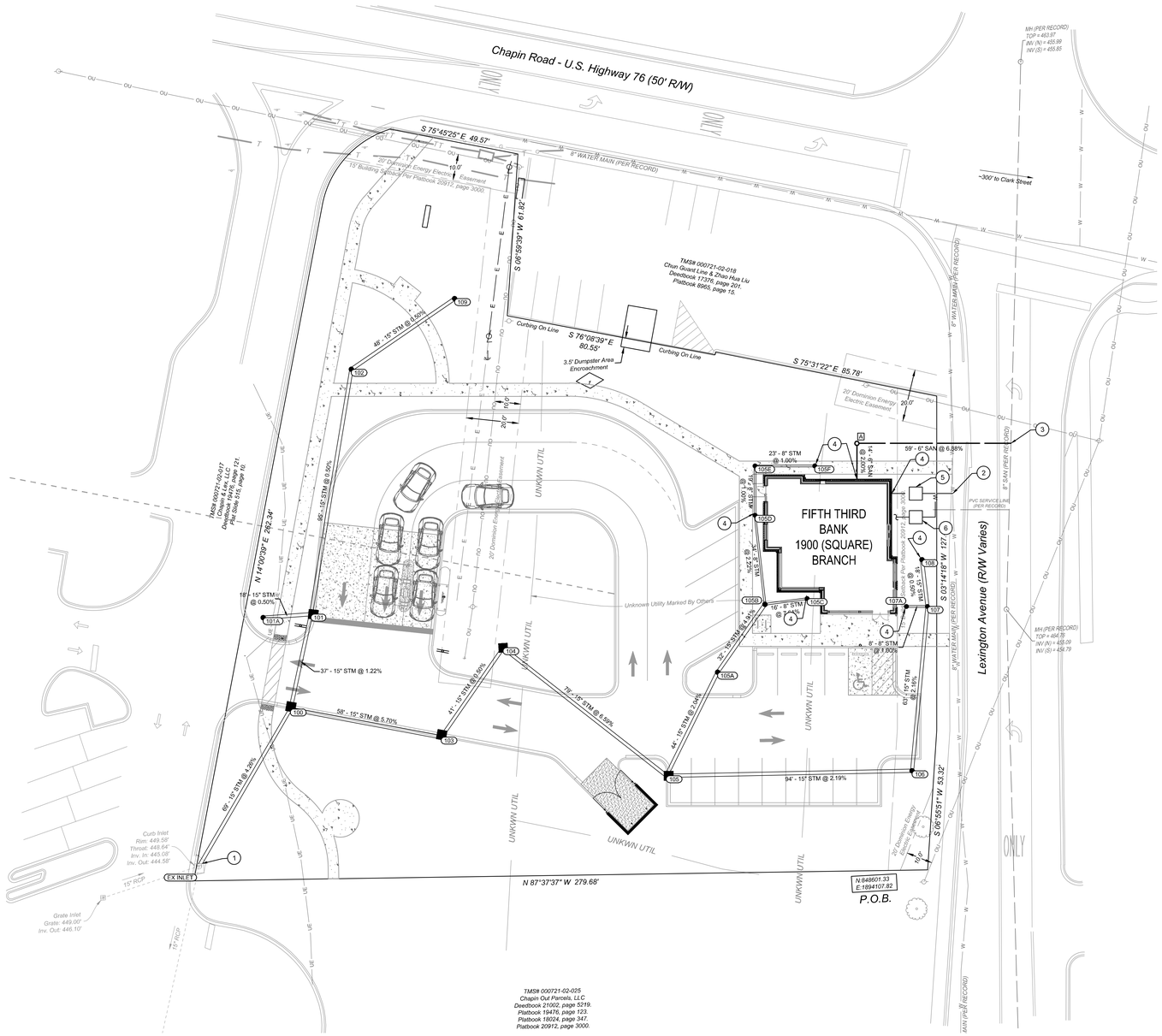

PROPOSED LEGEND

- STM — STORM SEWER PIPE
- 100 — CATCH BASIN
- 100 — CURB INLET
- 100 — YARD DRAIN
- 100 — MANHOLE
- CO — STORM SEWER CLEANOUT
- SAN — SANITARY SEWER PIPE
- A — SANITARY SEWER MANHOLE
- CO — SANITARY SEWER CLEANOUT
- W — WATERLINE PIPE

CODED NOTES

1. CONNECT TO EXISTING STORM. CONTRACTOR TO FIELD VERIFY INVERT.
2. CONNECT TO EXISTING WATER LINE
3. CONNECT TO EXISTING SANITARY LINE AT INVERT 455.32'. CONTRACTOR TO FIELD VERIFY INVERT.
4. UTILITY CONNECTION TO BUILDING NOT FINALIZED. TO BE COORDINATED WITH PLUMBING PLANS.
5. WATER METER. LOCATION TO BE COORDINATED WITH FINAL PLUMBING PLANS. (3 / C101)
6. IRRIGATION METER. LOCATION TO BE COORDINATED WITH FINAL PLUMBING PLANS. (3 / C101)

NOTES

1. THIS PROJECT IS PART OF AN OVERALL DEVELOPMENT AND IS INCLUDED IN A MASTER STORM WATER FACILITY REPORT. THE REPORT WAS PROVIDED BY LEXINGTON COUNTY PUBLIC WORKS AND WAS PREPARED BY CIVIL ENGINEERING OF COLUMBIA DATED MAY 12, 2015. THE REPORT REQUIRED THAT THIS SITE HAVE A CURVE NUMBER EQUAL TO OR LESS THAN 92 TO BE WITHIN THE SPEC OF THE MASTER HYDROLOGY DESIGN. SEE TABLE BELOW FOR IMPERVIOUS AREA AND CURVE NUMBER CALCULATIONS DEMONSTRATING THE SITE'S CURVE NUMBER IS LESS THAN 92. REFER TO MASTER STORM WATER FACILITY REPORT FOR DETENTION AND WATER QUALITY CALCULATIONS AND REQUIREMENTS.

SITE DATA

SITE AREA	58,289 SQUARE FEET OR 1.34 ACRES	CN=91.55
DISTURBED AREA	58,289 SQUARE FEET OR 1.34 ACRES	
IMPERVIOUS AREA	27,051 SQUARE FEET OR 0.62 ACRES	CN=98
PERVIOUS AREA	31,238 SQUARE FEET OR 0.72 ACRES	CN=86

0 10 20 40

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08/19/2025
Architectural Review Board – Final Review

1. No.

FIFTH THIRD BANK - CHAPIN SC
203 LEXINGTON AVE,
CHAPIN, SC 29036
UTILITY PLAN

PROJECT MANAGER
M. GEORGE
DRAWN
B. BUSCHUR
CHECKED
M. GEORGE
INITIAL DRAWING DATE
3.17.2025
PROJECT NUMBER
240629.009

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GRADING LEGEND

- 455 — EXISTING MAJOR CONTOUR
- 456 — EXISTING MINOR CONTOUR
- 455 — PROPOSED MAJOR CONTOUR
- 456 — PROPOSED MINOR CONTOUR
- 100-YEAR FLOOD ROUTE

SPOT ELEVATION LEGEND

- × 455.00 — FINISHED GRADE ELEVATION
- × 455.00 BC — BACK OF CURB ELEVATION
- × 455.00 EC — EDGE OF CONCRETE ELEVATION
- × 455.00 EP — EDGE OF PAVEMENT ELEVATION
- × 455.00 FC — FACE OF CURB ELEVATION
- × 455.00 RIM — MANHOLE / CLEANOUT RIM ELEVATION
- × 455.00 TC — STORM INLET TOP OF CASTING ELEVATION
- × 455.00 GRATE — CATCH BASIN GRATE ELEVATION

PROPOSED EROSION CONTROL LEGEND

- IP — INLET PROTECTION (1/C701, 2/C701)
- SF — SILT FENCE (3/C701)
- TP — TREE PROTECTION (4/C701)
- CWO — CONCRETE WASHOUT (5/C701)
- CONSTRUCTION ENTRANCE (6/C701)
- LIMITS OF DISTURBANCE

NOTES

1. CONSTRUCTION ENTRANCES ARE TO BE PROVIDED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ACCESSES A PAVED ROADWAY.

0 10 20 40

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No.	Description	Date
1.	Architectural Review Board - Final Review	08/19/2025

FIFTH THIRD BANK - CHAPIN SC
203 LEXINGTON AVE,
CHAPIN, SC 29036
GRADING PLAN

PROJECT MANAGER
M. GEORGE
DRAWN
B. BUSCHUR
CHECKED
M. GEORGE
INITIAL DRAWING DATE
3.17.2025
PROJECT NUMBER
240629.009

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8/7/2025 11:14:12 AM

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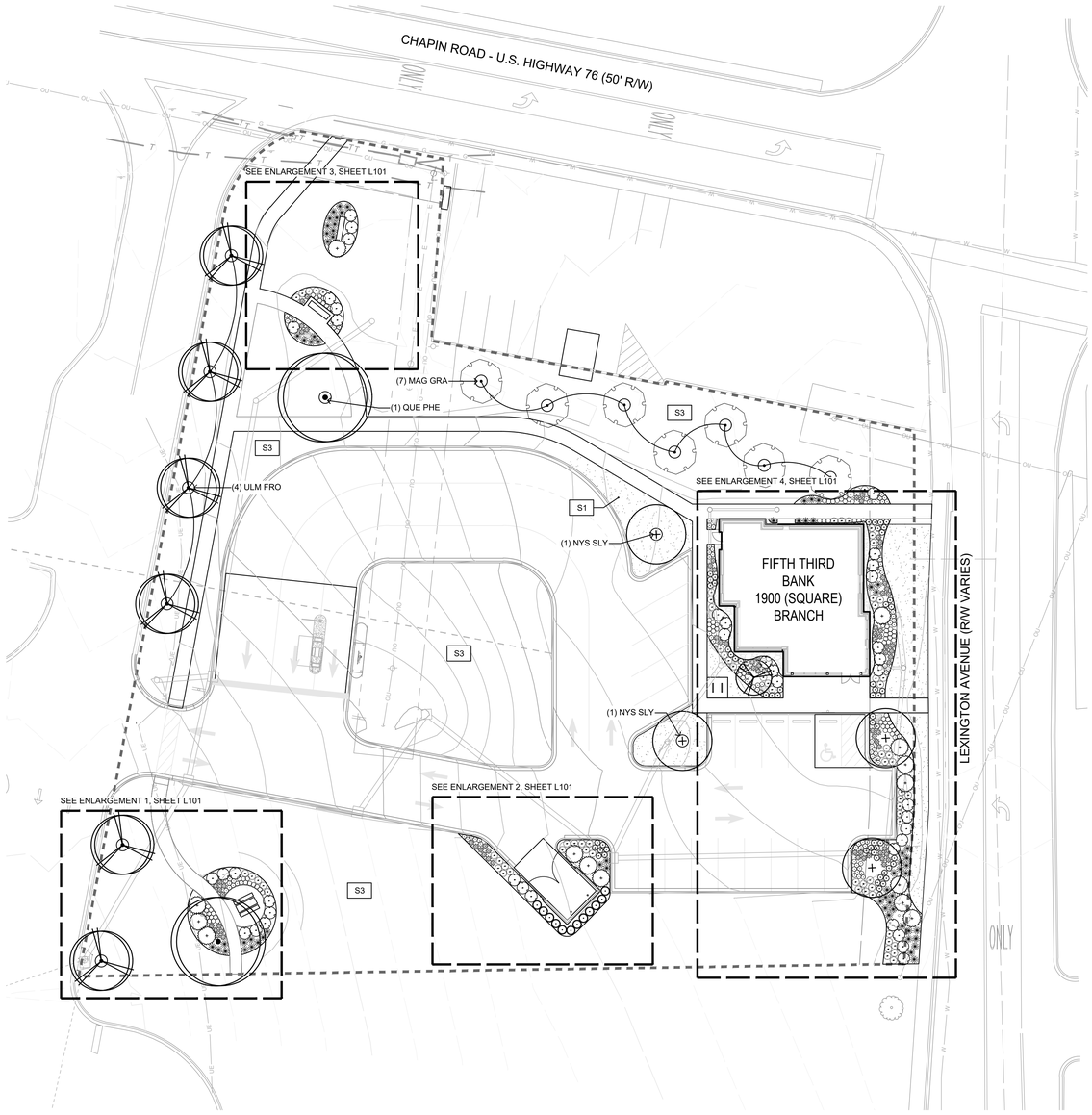

CHAPIN, SC LANDSCAPE ZONING REQUIREMENTS

	REQUIRED	PROPOSED
CHAPTER 7 LANDSCAPING, BUFFERING, AND TREE PROTECTION		
7.4.1 PARKING LOT SCREENING	b. MINIMUM HEIGHT OF SCREEN: SHALL INCLUDE A HEDGE, DENSE SHRUB PLANTING, MASONRY WALL, WOOD FENCE, OR COMBINATION OF SUCH FEATURES THAT RESULTS IN A CONTINUOUS VISUAL SCREEN ALONG THE LENGTH OF ITS FRONTAGE. HEDGES AND SHRUBS SHALL BE INSTALLED AT A HEIGHT OF 2', AS LONG AS THE SPECIES SELECTED GROWS TO AT LEAST 4' IN HEIGHT WITHIN 4 YEARS OF INSTALLATION d. MINIMUM PLANTINGS: PARKING LOT SCREENS SHALL COMPLY WITH THE FOLLOWING LANDSCAPING STANDARDS: 1. A PARKING LOT SHALL CONTAIN AT LEAST ONE CANOPY TREE FOR EVERY 40 LINEAR FEET OF STREET FRONTAGE 60 LF PARKING LOT FRONTAGE = 2 CANOPY TREES REQUIRED	SHRUB HEDGE & (2) CANOPY TREES PROPOSED
7.4.2 PARKING AREA INTERIOR LANDSCAPING	b. GENERAL STANDARDS 1. NO PARKING SPACE SHALL BE FURTHER THAN 60' LINEAR FEET FROM A LARGE CANOPY TREE. 2.ONE LARGE CANOPY TREE SHALL BE REQUIRED AT THE END OF EVERY ROW OF PARKING. THIS INCLUDES TREES LOCATED WITHIN REQUIRED LANDSCAPE ISLANDS. c. LANDSCAPE ISLANDS 5. AT LEAST ONE (1) CANOPY TREE SHALL BE PROVIDED WITHIN EACH LANDSCAPED PENINSULA. ALL LANDSCAPED PENINSULAS AND MEDIANS SHALL BE LANDSCAPED WITH MULCH, SOD, SHRUBS, OR GROUND COVER VEGETATION.	PROVIDED
CHAPTER 8 PARKING		
8.6.4 PEDESTRIAN ACCESS DESIGN	b. AN APPROPRIATELY SIZED PLANTING STRIP, DEPENDENT ON PROPOSED TREE SPECIES, SHALL BE PROVIDED ON BOTH SIDES OF THE PEDESTRIAN CIRCULATION SYSTEM TO ACCOMMODATE THE PLANTING OF CANOPY OR UNDERSTORY TREES FOR THE PURPOSE OF PROVIDING SHADE. ONE CANOPY TREE SHALL BE PLANTED EVERY 40' OR ONE UNDERSTORY TREE EVERY 20', OR COMBINATION THEREOF.	PROVIDED

LEGEND

PROPERTY LINE

SURFACE ITEMS

S1 — TURFGRASS SOD, TYP. ; REFER TO SPECIFICATIONS (1 / L101)

S2 — STONE SURFACING, TYP. ; REFER TO SPECIFICATIONS

S3 — TURFGRASS SEED, TYP. ; REFER TO SPECIFICATIONS (1 / L101)

LANDSCAPE ITEMS

L1 — BOULDER, TYP. ; REFER TO SPECIFICATIONS

L2 — 8' CONCRETE BENCH; REFER TO SPECIFICATIONS

L3 — CONCRETE PICNIC TABLE; REFER TO SPECIFICATIONS

PLANT MATERIAL

DECIDUOUS TREE, TYP. (6-7 / L101)

ORNAMENTAL TREE, TYP. (6-7 / L101)

BROADLEAF EVERGREEN TREE, TYP. (6-7 / L101)

SHRUBS, PERENNIALS & ORNAMENTAL GRASSES, TYP. (2-5 / L101)

EXISTING TREES TO REMAIN, PROTECT IN PLACE

GENERAL NOTES

1. EACH CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES.
2. SUBSURFACE IMPROVEMENTS SHALL BE OBSERVED. THE CONTRACTOR SHALL CONTACT THE SOUTH CAROLINA UTILITIES PROTECTION SERVICE (SC811) 48 HOURS PRIOR TO ANY EXCAVATION OR DIGGING TO ENSURE THE LOCATION OF UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT SUCH UNDERGROUND UTILITIES.
3. ALL CONCRETE FORMS SHALL BE FIELD STAKED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONCRETE INSTALLATION.
4. ALL HORIZONTAL AND VERTICAL LAYOUT SHALL BE REVIEWED BY THE OWNER'S REPRESENTATIVE TO ENSURE GENERAL CONFORMANCE PRIOR TO CONSTRUCTION.
5. PROVIDE AN ISOLATION JOINT WHERE CONCRETE PAVING ABUTS BUILDINGS, COLUMNS, AND STRUCTURES. VERIFY COLOR OF SEALANT WITH OWNER'S REPRESENTATIVE.
6. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS, AREA DISCREPANCIES AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.
7. CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT WITH SITE SUPERINTENDENT, APPROPRIATE AGENCIES, AND PLANS FOR LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, AND STRUCTURES.
8. CONTRACTOR TO REPORT TO ENGINEER ANY ADDITIONAL UTILITY LINES FOUND DURING CONSTRUCTION.

PLANTING NOTES

1. EACH CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES.
2. CONTRACTOR SHALL VERIFY ALL PLANTING CONDITIONS FOR OBSTRUCTIONS, EXISTING TREE CANOPY COVERAGE, AND OVERHEAD ELECTRICAL POWER LINES PRIOR TO PLANTING. IF ADVERSE PLANTING CONDITIONS ARE OBSERVED, CONTACT THE OWNERS REPRESENTATIVE IMMEDIATELY.
3. ALL SHRUB MASSES TO BE INCORPORATED BY A CONTINUOUS MULCH BED TO LIMITS SHOWN AND AS SPECIFIED. MULCH BEDS TO HAVE A NEAT, EDGED APPEARANCE.
4. SUBSURFACE IMPROVEMENTS SHALL BE OBSERVED. THE CONTRACTOR SHALL CONTACT THE SOUTH CAROLINA UTILITIES PROTECTION SERVICE (SC811) 48 HOURS PRIOR TO ANY EXCAVATION OR DIGGING TO ENSURE THE LOCATION OF UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT SUCH UNDERGROUND UTILITIES.
5. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE FINE GRADED AND SEEDED.
6. ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM.
7. THE CONTRACTOR SHALL ENSURE THAT ALL NEWLY PLANTED TREES ARE PERFECTLY ALIGNED AND SET PLUMB WITH PROPER RELATIONSHIP TO THE SURROUNDING GRADE. CONFIRM FINISHED GRADE PRIOR TO PLANTING.
8. ALL PLANT MATERIAL SHALL BE OF THE SIZE AND TYPE SPECIFIED. IF SUBSTITUTIONS ARE APPROVED BY THE OWNER'S REPRESENTATIVE, THE SIZE AND GRADING STANDARDS SHALL CONFORM TO THOSE OF AMERICANHORT.
9. PRIOR TO ORDERING PLANT MATERIAL, THE CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES AND NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE PLAN, LABELS, AND PLANT SCHEDULE.

0 10 20 40

NOTE :
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SC811

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HEAPY ENGINEERING
1400 WEST DOROTHY LANE
DAYTON, OH 45409

08/19/2025
Date

Architectural Review Board - Final Review
Description

1.
No.

FIFTH THIRD BANK - CHAPIN SC
203 LEXINGTON AVE,
CHAPIN, SC 29036
PLANTING PLAN

PROJECT MANAGER
M. GEORGE
DRAWN
B. BUSCHUR
CHECKED
M. GEORGE
INITIAL DRAWING DATE
3.17.2025
PROJECT NUMBER
240629.009

L100

8/7/2025 11:14:12 AM

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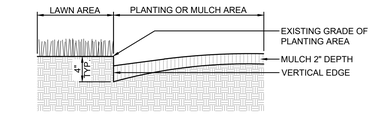
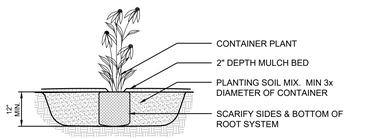
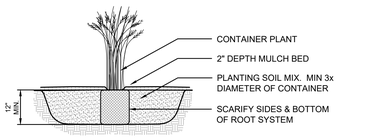


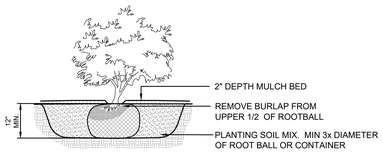
1 PLANTING BED / TREE PIT EDGING DETAIL
N.T.S.



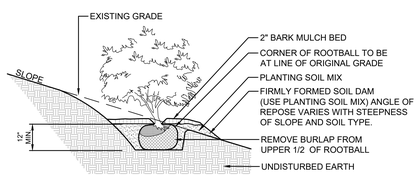
2 PERENNIAL PLANTING
N.T.S.



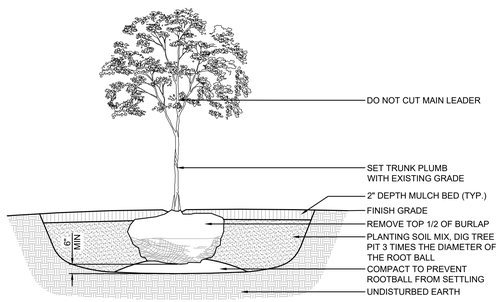
3 ORNAMENTAL GRASS PLANTING
N.T.S.



4 SHRUB PLANTING
N.T.S.

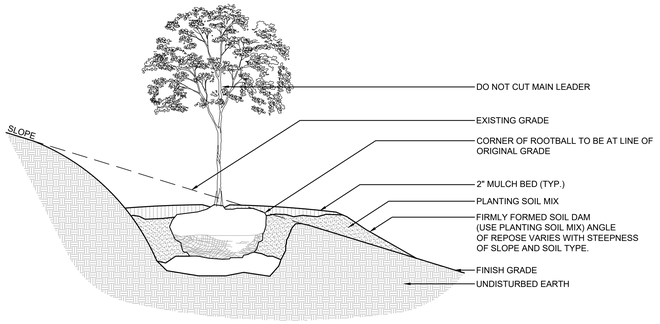


5 SHRUB PLANTING ON SLOPE
N.T.S.



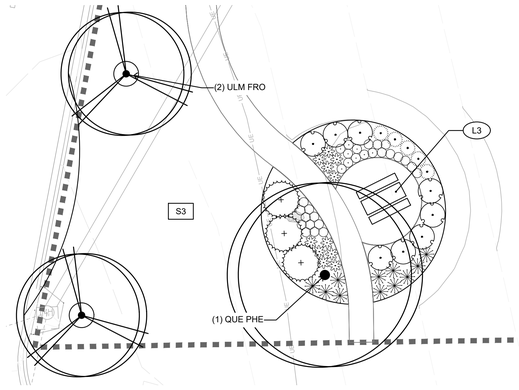
NOTES:
1. TOP OF ROOT BALL TO BE 2"-3" ABOVE ADJACENT FINISHED GRADE.
2. REMOVE ALL LABELS, TAGS, OR OTHER FOREIGN MATERIALS FROM LIMBS.
3. THE AMOUNT OF PRUNING SHALL BE LIMITED TO THE MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES AND TO COMPENSATE FOR THE LOSS OF ROOTS DURING TRANSPLANTING. RETAIN NORMAL SHAPE OF TREE. OWNER'S REPRESENTATIVE WILL DETERMINE AMOUNT OF PRUNING NECESSARY. PLANT TREES AT SAME GRADE AS GROWN IN THE NURSERY.
4. DO NOT STAKE AND GUY TREES UNLESS NEEDED FOR STABILITY BASED ON SITE CONDITIONS OR A DIRECTED BY OWNER'S REPRESENTATIVE .

6 DECIDUOUS AND BROADLEAF EVERGREEN TREE PLANTING
N.T.S.

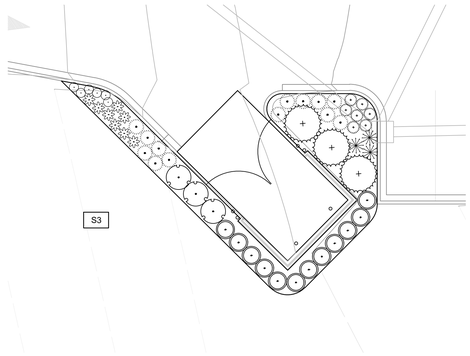


NOTES:
1. FOR PLANTING INSTRUCTIONS SEE DECIDUOUS TREE PLANTING DETAIL, THIS SHEET.

7 DECIDUOUS AND BROADLEAF EVERGREEN TREE PLANTING ON A SLOPE
N.T.S.



8 ENLARGEMENT 1
SCALE : 1" = 10'-0"



9 ENLARGEMENT 2
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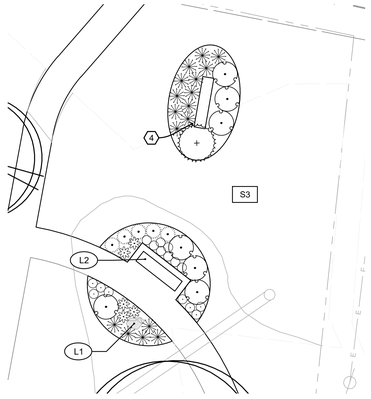

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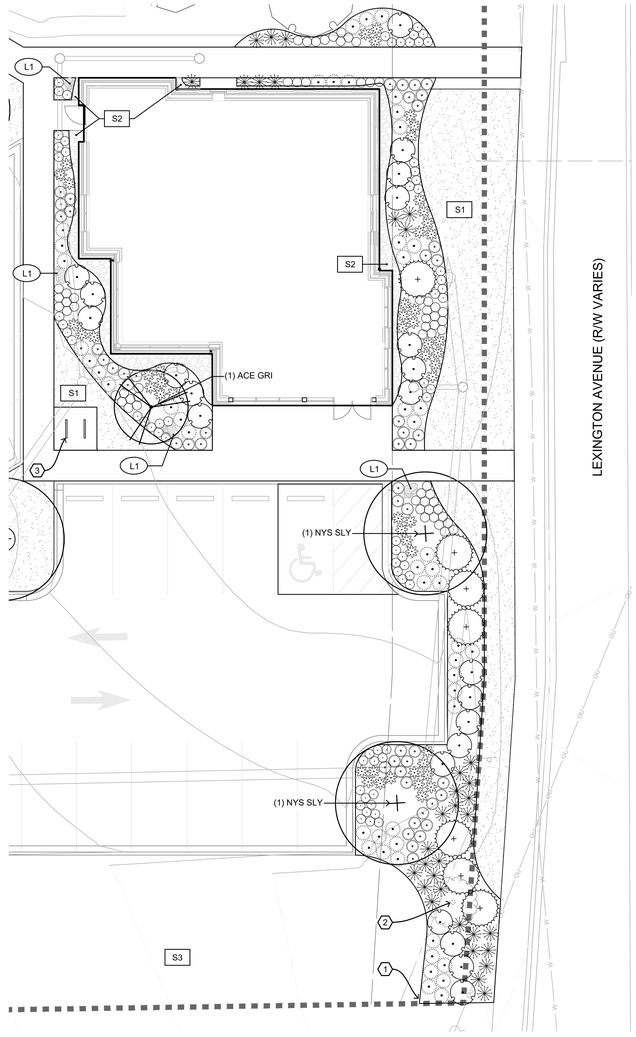

11 ENLARGEMENT 4
SCALE : 1" = 10'-0"

PLANT SCHEDULE

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
DECIDUOUS TREES:						
	NYS SYL	NYSSA SYLVATICA	BLACK GUM	2.5" CAL. MIN.	B&B	HARDWOOD 30' SPREAD
	QUE PHE	QUERCUS PHELLOS	WILLOW OAK	2.5" CAL. MIN.	B&B	HARDWOOD 35' SPREAD
	ULM FRO	ULMUS 'FRONTIER'	FRONTIER ELM	2.5" CAL. MIN.	B&B	HARDWOOD 25' SPREAD
BROADLEAF EVERGREEN TREES:						
	MAG GRA	MAGNOLIA GRANDIFLORA 'MAJESTIC BEAUTY'	MAJESTIC BEAUTY SOUTHERN MAGNOLIA	2" CAL. MIN.	B&B	HARDWOOD 15' SPREAD
ORNAMENTAL TREES:						
	ACE GRI	ACER GRISEUM	PAPERBARK MAPLE	2" CAL. MIN.	B&B	HARDWOOD 15' SPREAD
	LAG RED	LAGERSTROEMIA INDICA 'RED ROCKET'	RED ROCKET CREPE MYRTLE	2" CAL. MIN.	B&B	MULTI-STEM; HARDWOOD 8' SPREAD
SHRUBS:						
	ABE GRA	ABELIA x 'EDWARD GOUCHER'	EDWARD GOUCHER ABELIA	24" HT. MIN.	B&B	PLANT 4' O.C.
	ILE GLA	ILEX GLABRA 'SHAMROCK'	SHAMROCK HOLLY	24" HT. MIN.	CONT.	PLANT 3' O.C.
	JUN CHI	JUNIPERUS CHINENSIS 'KALLAY'S COMPACT'	KALLAY'S COMPACT JUNIPER	24" HT. MIN.	B&B	PLANT 6' O.C.
	NAN DOM	NANDINA DOMESTICA 'FIRE POWER'	FIRE POWER HEAVENLY BAMBOO	12" HT. MIN.	CONT.	PLANT 2' O.C.
PERENNIALS AND ORNAMENTAL GRASSES:						
	CAL ACU	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	#2	CONT.	PLANT 30" O.C.
	ECH PUR	ECHINACEA PURPUREA	PURPLE CONEFLOWER	#2	CONT.	PLANT 24" O.C.
	GAL GRA	GAILLARDIA GRANDIFLORA	BLANKET FLOWER	#2	CONT.	PLANT 18" O.C.
	PAN VIR	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCHGRASS	#2	CONT.	PLANT 30" O.C.
	SCH SCO	SCHIZACHYRIUM SCOPARIUM 'CAROUSEL'	CAROUSEL LITTLE BLUESTEM	#2	CONT.	PLANT 18" O.C.
TURFGRASS SEED & SOD: SEE SPECIFICATIONS						

* SEE SHEET L100 FOR PLANTING NOTES.

CONSTRUCTION NOTES:
1. TIE INTO EXISTING LANDSCAPE BED
2. EXISTING TREE, PROTECT IN PLACE
3. BIKE RACK, REFER TO LOCATION PLAN
4. MONUMENT SIGN, REFER TO ARCHITECTURAL PLANS

LEGEND
- PROPERTY LINE

SURFACE ITEMS
- S1 — TURFGRASS SOD, TYP. ; REFER TO SPECIFICATIONS (1 L101)
- S2 — STONE SURFACING, TYP. ; REFER TO SPECIFICATIONS
- S3 — TURFGRASS SEED, TYP. ; REFER TO SPECIFICATIONS (1 L101)

LANDSCAPE ITEMS
- L1 — BOULDER, TYP. ; REFER TO SPECIFICATIONS
- L2 — 8' CONCRETE BENCH; REFER TO SPECIFICATIONS
- L3 — CONCRETE PICNIC TABLE; REFER TO SPECIFICATIONS

PLANT MATERIAL
- DECIDUOUS TREE, TYP. (6-7 L101)
- ORNAMENTAL TREE, TYP. (6-7 L101)
- BROADLEAF EVERGREEN TREE, TYP. (6-7 L101)
- SHRUBS, PERENNIALS & ORNAMENTAL GRASSES, TYP. (2-5 L101)
- EXISTING TREES TO REMAIN, PROTECT IN PLACE

NOTE:
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8279 CENTRE PARK DRIVE
WEST CHESTER TOWNSHIP, OH 45069

Architectural Review Board - Final Review
Issue Description / Purpose

1. NO

FIFTH THIRD BANK - CHAPIN SC
203 LEXINGTON AVE,
CHAPIN, SC 29036
PLANTING ENLARGEMENTS & DETAILS

PROJECT MANAGER: M. GEORGE
DRAWN: B. BUSCHUR
CHECKED: M. GEORGE
INITIAL DRAWING DATE: 3.17.2025
PROJECT NUMBER: 240629.009

L101

8/7/2025 11:14:12 AM

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Revit 2023 Template Update 2025

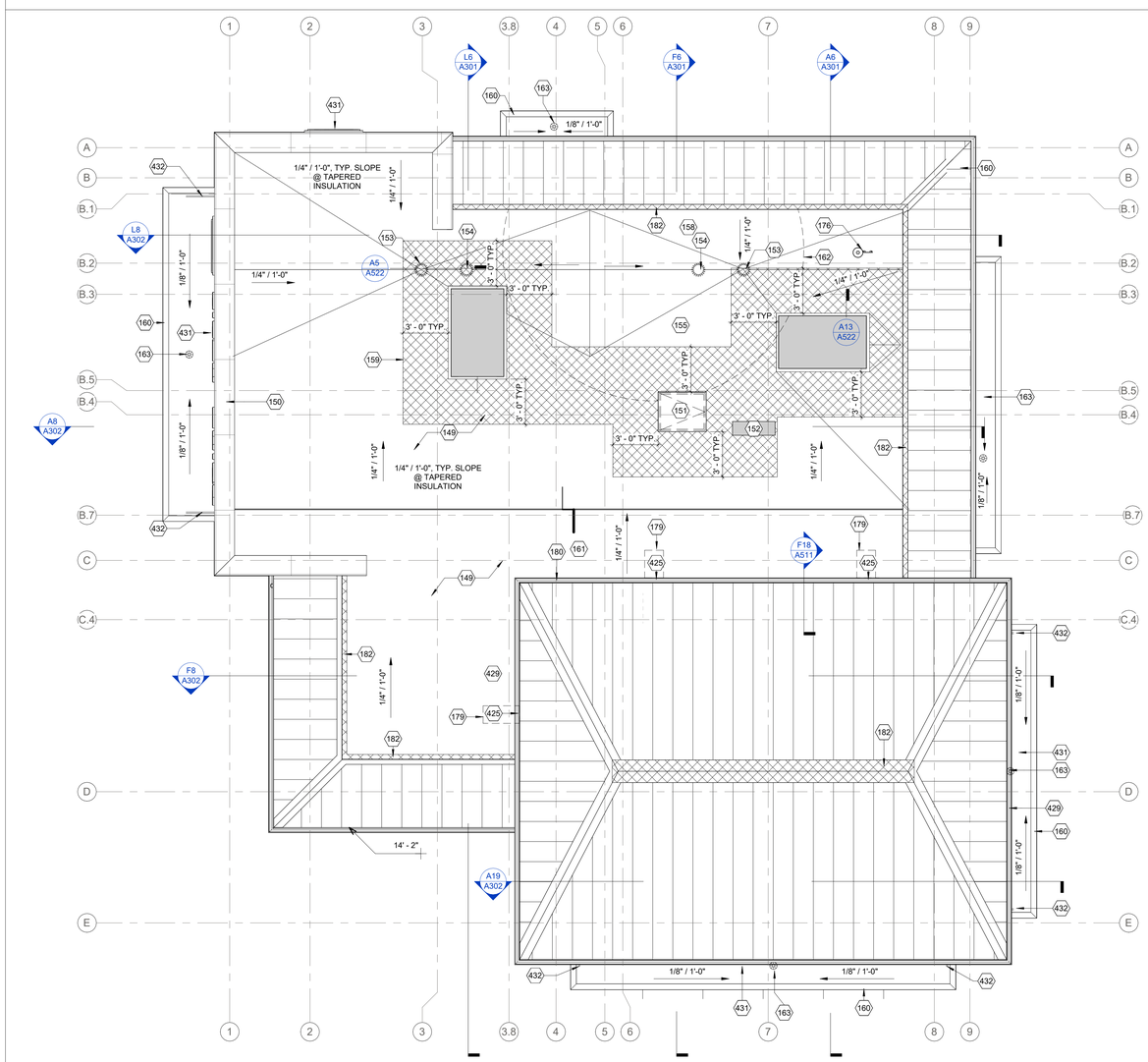
Revit 2023 Template Update 2025

GENERAL ROOF PLAN NOTES

A. ROOF CRICKETS TO BE 1/4" PER FOOT MINIMUM, FULLY TAPERED POLYISOCYANURATE INSULATION, MECHANICALLY ATTACHED TO DECK BELOW AS PART OF ATTACHMENT OF LAYER ABOVE. TYP.
B. INSTALL ALL ROOF SYSTEMS AND RELATED COMPONENTS IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTALLATION DETAILS. PROVIDE SHOP DRAWINGS FOR APPROVAL AS REQUIRED BY SPECIFICATIONS.
C. VERIFY AND COORDINATE LOCATION OF ALL ROOF PENETRATIONS WITH STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING.
D. ALL ROOF PENETRATIONS REQUIRE PRESSURE TREATED 2x6 BLOCKING AT INSULATION AROUND ENTIRE PERIMETER FOR FLASHING ATTACHMENT.
E. OMISSION OF ANY ACCESSORY FROM THE ROOF PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR SUCH ITEMS.

SHEET KEYNOTES

149 60 MIL. REINFORCED FULLY ADHERED TPO MEMBRANE OVER 1/2" PRE-PRIMED ROOF BOARD OVER POLYISOCYANURATE INSULATION WITH A MINIMUM R-39 VALUE - ADDITIONAL INSULATION TAPERED TO DRAINS TO ACHIEVE 1/4" PER FOOT SLOPE AS INDICATED ON ROOF PLAN. MECHANICALLY ATTACHED METAL ROOF DECK ON STEEL JOISTS. SEE STRUCTURAL FOR ADDITIONAL INFORMATION. REFER TO SPECIFICATIONS.
150 CONT. METAL COPING TO COVER ENTIRE TOP OF PARAPET.
151 30" x 36" ROOF ACCESS HATCH. REFER TO SHEET A552 FOR DETAILS.
152 MECHANICAL ROOF TOP EQUIPMENT. REFER TO MECHANICAL AND PLUMBING DRAWINGS.
153 ROOF DRAIN. REFER TO SHEET A552 FOR DETAILS.
154 OVERFLOW ROOF DRAIN. REFER TO SHEET A552 FOR DETAILS.
155 ROOF HYDRANT. REFER TO PLUMBING DRAWINGS.
158 EXHAUST, REFER TO MECHANICAL DRAWINGS.
159 HATCH INDICATES ADDITIONAL TPO WALKWAY PAD MEMBRANE.
160 PRE-FINISHED ALUMINUM COMPOSITE CLAD AWNING, ACM-1.
161 VENT STACK. REFER TO PLUMBING DRAWINGS FOR LOCATION. REFER TO SHEET A551 FOR FLASHING DETAILS.
162 NO VENT STACK SHALL BE LOCATED WITHIN 10'-0" RADIUS OF AN RTU INTAKE. COORDINATE WITH MECHANICAL.
163 CANOPY ROOF DRAIN, TYP. SEE PLUMBING DRAWINGS FOR TERMINATION OF DOWNSPOUTS AND PATH THROUGH WALLS TO GRADE. REFER TO SHEET A552 FOR DETAILS.
176 LOCATION OF WEATHERMATIC ROOFTOP RAIN SENSOR, COORDINATE WITH MEP FOR CONNECTION TO BUILDING MOUNTED CONTROL PANEL.
179 CONTRACTOR TO PROVIDE SPLASH BLOCK, TYP. ON THIS ROOF LEVEL.
180 ACCESS DOOR TO UNCONDITIONED ATTIC SPACE.
182 ROOF VENTED RIDGE SHOWN IN HATCH REGION, REFER TO DETAILS AND SPECIFICATIONS.
425 DOWNSPOUT GUTTER FROM SLOPED ROOF.
429 GUTTER SYSTEM. REFER TO PLUMBING.
431 OWNER VENDOR PROVIDED SIGNAGE. REFER TO ELECTRICAL AND VENDOR PROVIDED SHOP DRAWINGS.
432 DECORATIVE TIE BACK MOUNTED TO FACE OF BRICK, TYP. REFER TO ELEVATIONS AND DETAILS FOR SPECIFICATION.



A13 / A120 T.O. LOW ROOF DECK
1/4" = 1'-0"

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8276 CENTRE PARK DRIVE
WEST CHESTER TOWNSHIP, OH 45069

08.19.2025
Date

ARCHITECTURAL REVIEW BOARD - FINAL REVIEW
Issue/Revision/Submission

No.

FIFTH THRID BANK - CHAPIN
203 LEXINGTON AVE
CHAPIN, SC 29306
ROOF PLAN

PROJECT MANAGER
M. SMITH
DRAWN
V. MYRICK/ C. HUNTER
CHECKED
TBD
INITIAL DRAWING DATE
7.9.2025
PROJECT NUMBER
FIF22.36

A120

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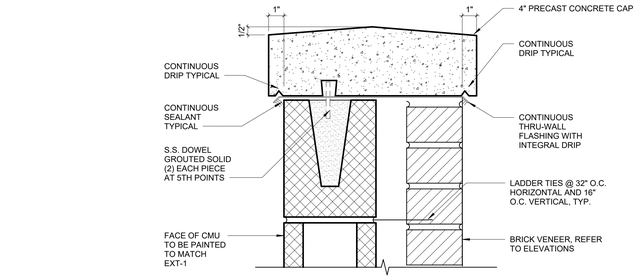
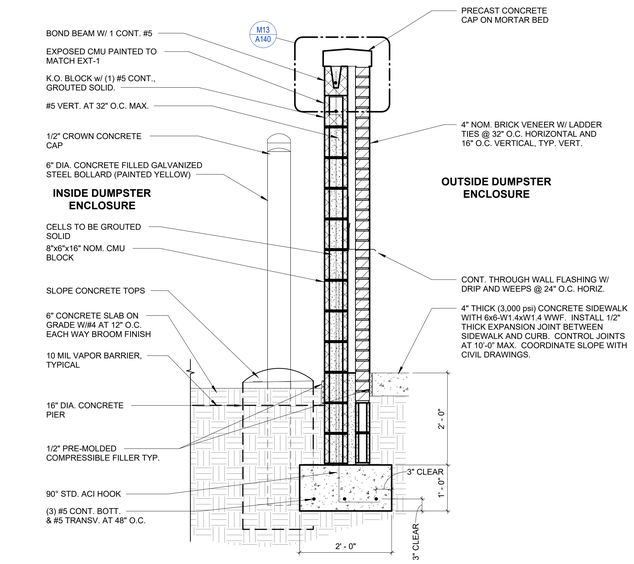
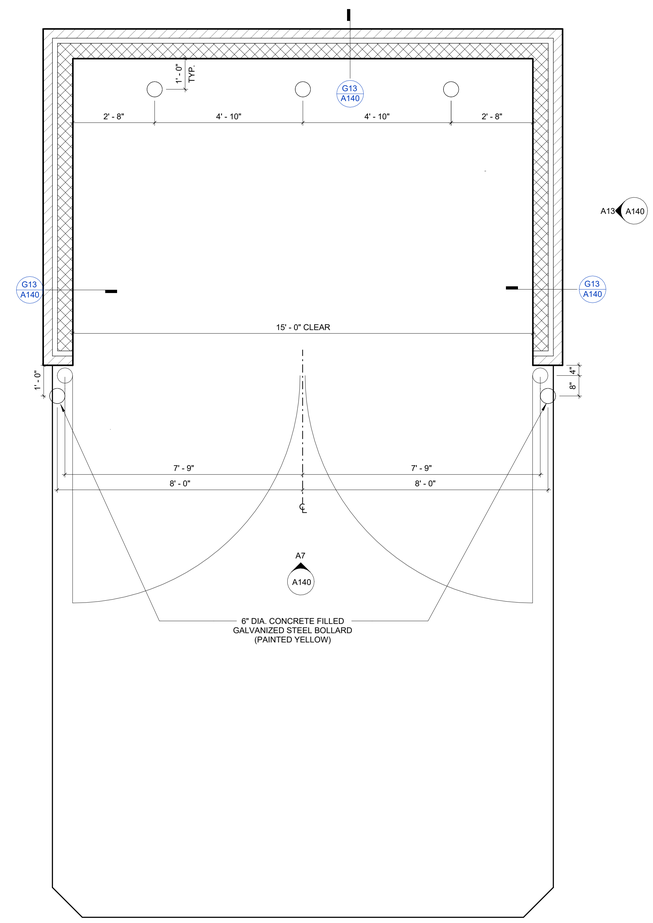


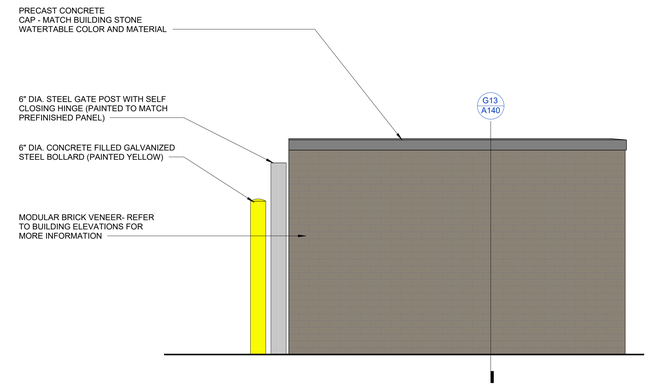
M13 / A140 TRASH ENCLOSURE CAP SECTION
3" = 1'-0"



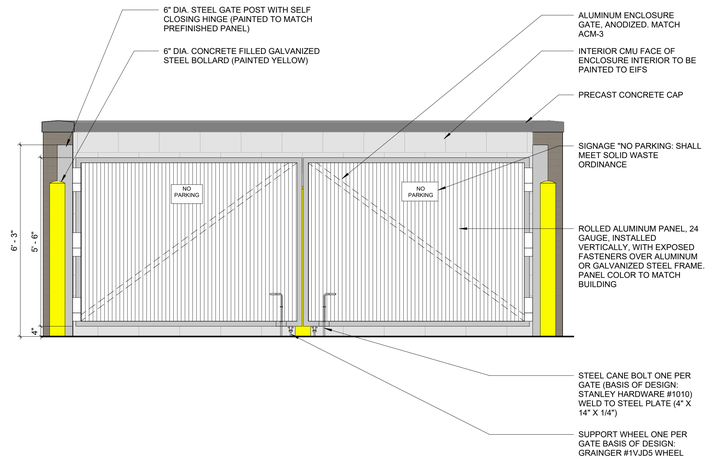
G13 / A140 TRASH ENCLOSURE WALL SECTION
3/4" = 1'-0"



G7 / A140 ENLARGED PLAN - TRASH ENCLOSURE
1/2" = 1'-0"



A13 / A140 TRASH ENCLOSURE SIDE ELEVATION
1/2" = 1'-0"



A7 / A140 TRASH ENCLOSURE FRONT ELEVATION
1/2" = 1'-0"

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No.	ARCHITECTURAL REVIEW BOARD - FINAL REVIEW Issue/Revision/Submission	Date
		08.19.2025

FIFTH THRID BANK - CHAPIN
203 LEXINGTON AVE
CHAPIN, SC 29306

TRASH ENCLOSURE AND DETAILS

PROJECT MANAGER
M.SMITH
DRAWN
V. MYRICK/ C. HUNTER
CHECKED
TBD
INITIAL DRAWING DATE
7.9.2025
PROJECT NUMBER
FIF22.36

A140

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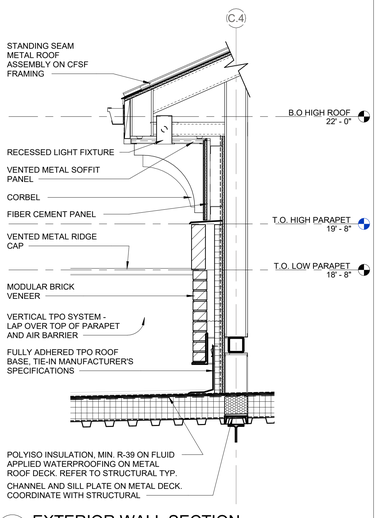

1 / A511 EXTERIOR WALL SECTION
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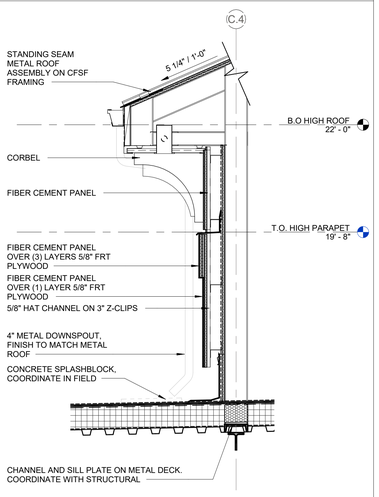

F18 / A511 EXTERIOR WALL SECTION
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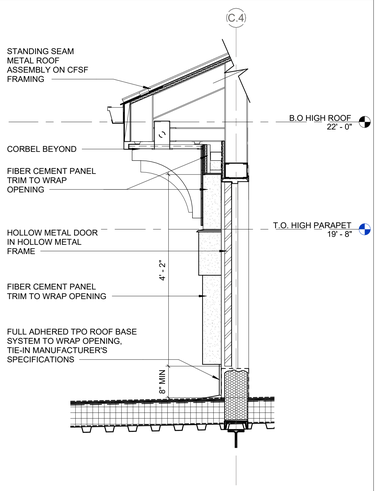
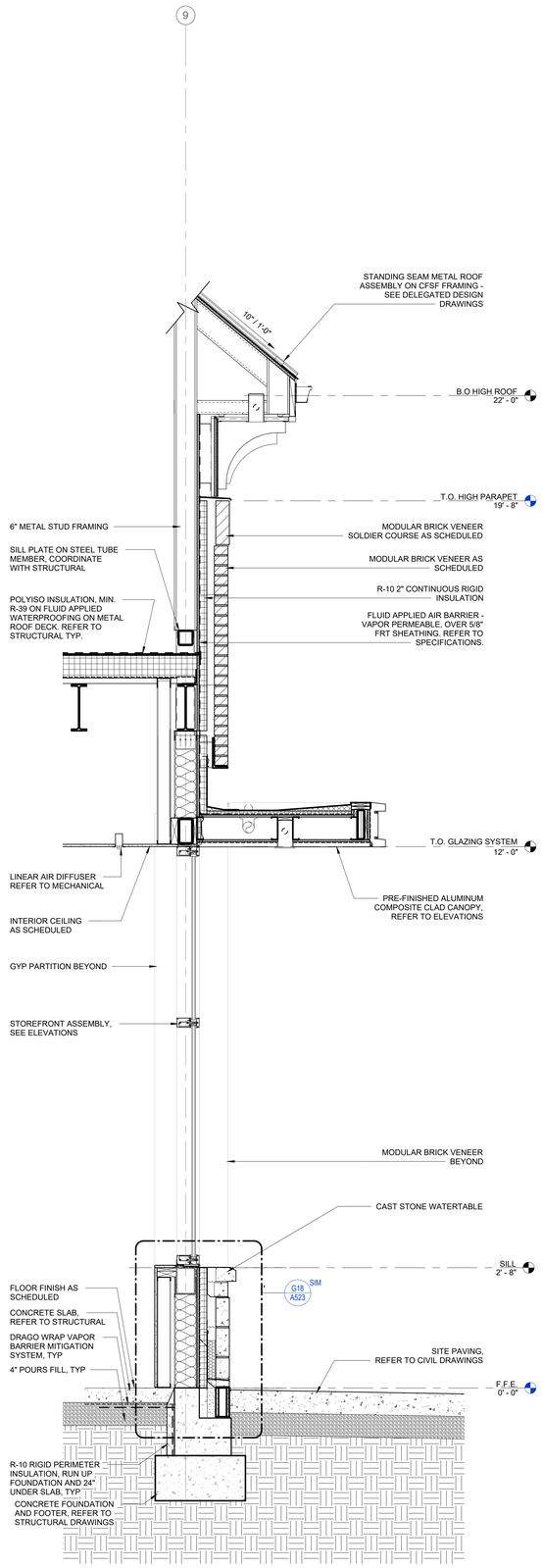
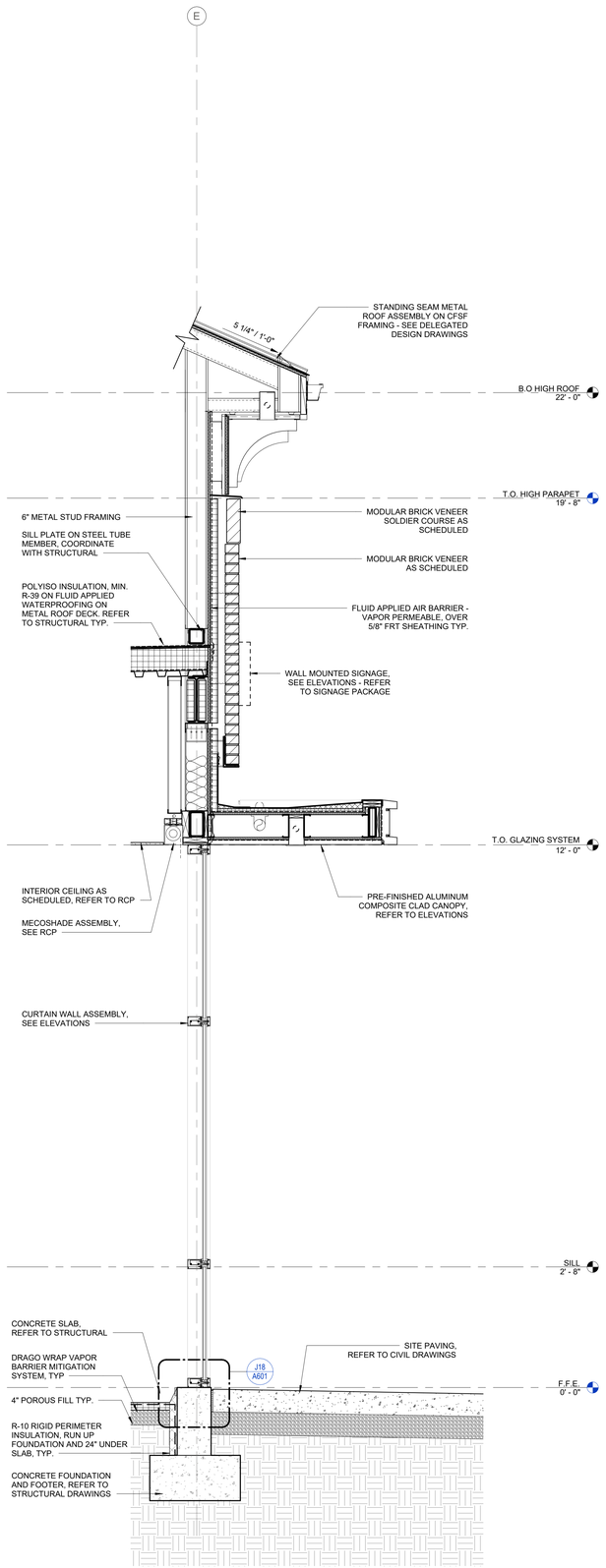


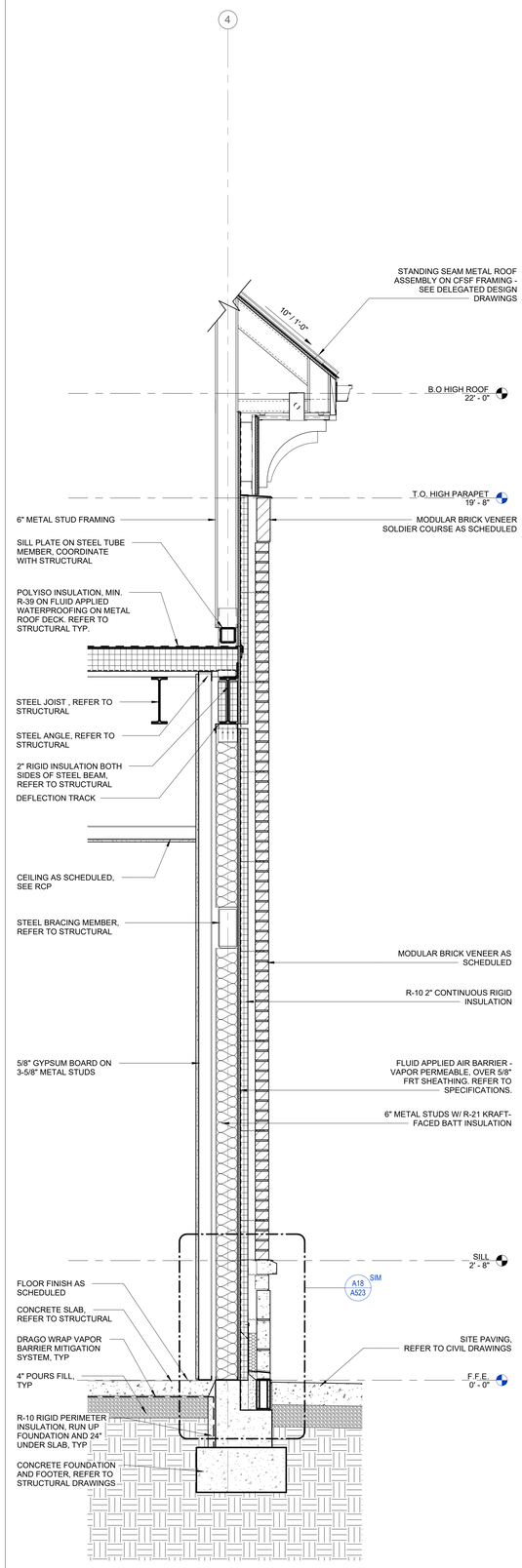
A18 / A511 EXTERIOR WALL SECTION
3/4" = 1'-0"



A15 / A511 EXTERIOR WALL SECTION
3/4" = 1'-0"



A11 / A511 EXTERIOR WALL SECTION
3/4" = 1'-0"



A7 / A511 EXTERIOR WALL SECTION
3/4" = 1'-0"

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1400 WEST DOROTHY LANE
DAYTON, OH 45409

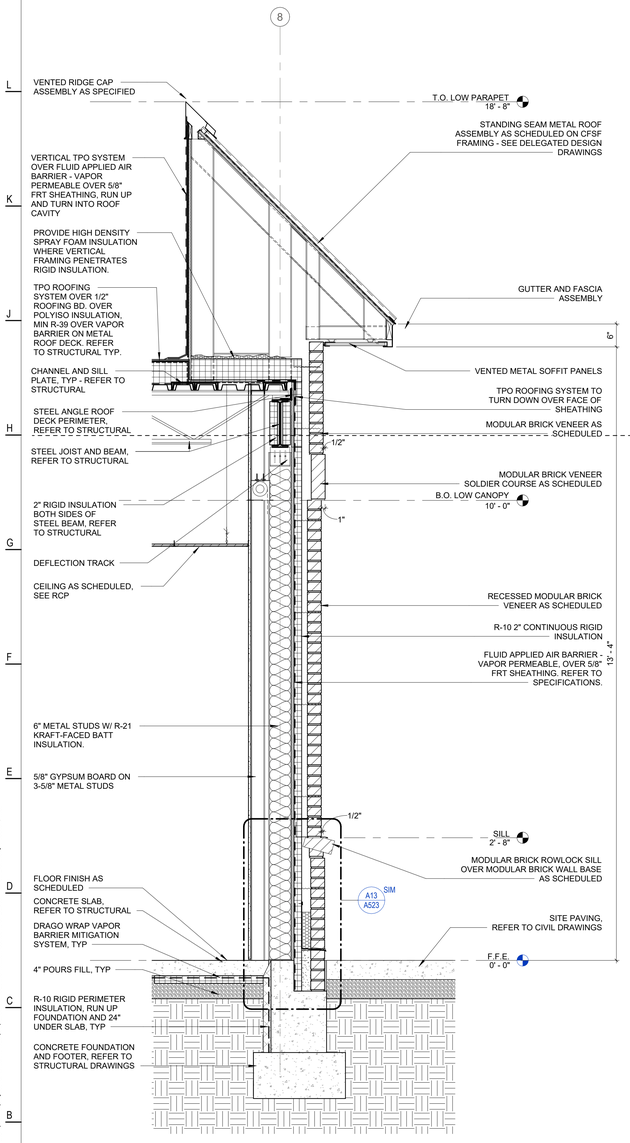
No.	Issue/Revision/Submission	Date
	ARCHITECTURAL REVIEW BOARD - FINAL REVIEW	08.19.2025

FIFTH THRID BANK - CHAPIN
203 LEXINGTON AVE
CHAPIN, SC 29306
EXTERIOR WALL SECTIONS

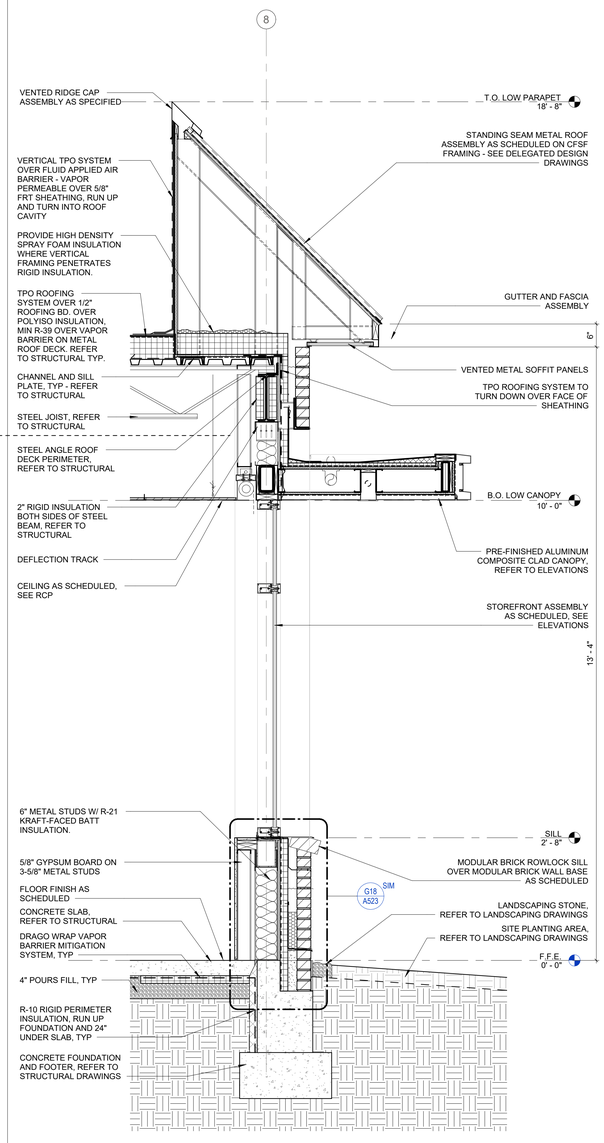
PROJECT MANAGER
M. SMITH
DRAWN
V.MYRICK
CHECKED
TBD
INITIAL DRAWING DATE
7.9.2025
PROJECT NUMBER
FIF22.36

A511

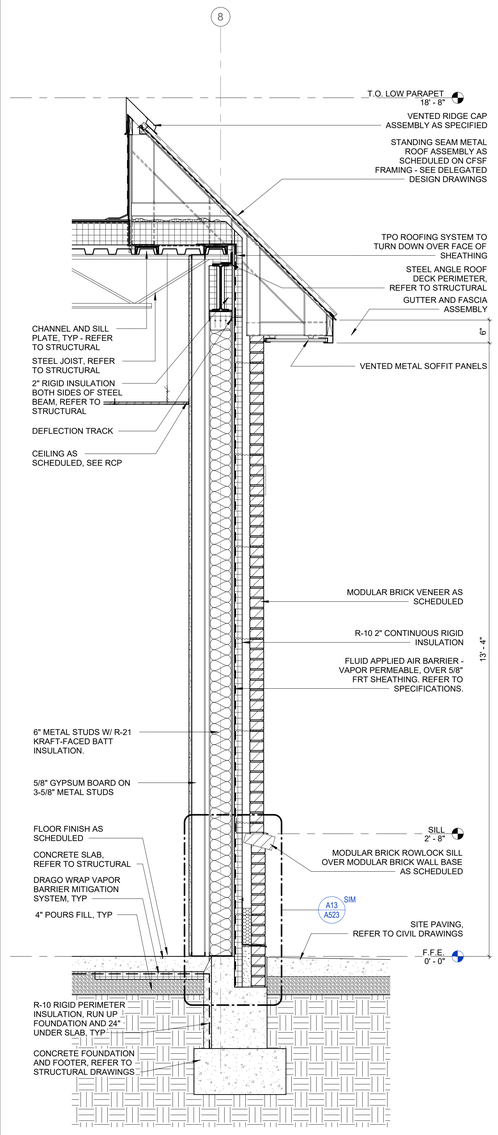
Revit 2023 Template Update 2025



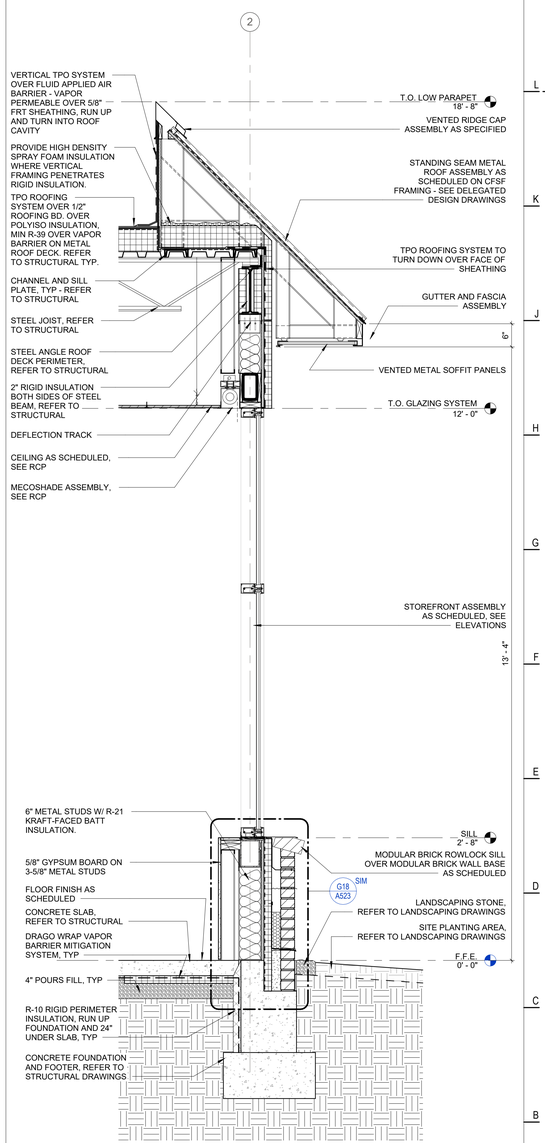
A18 / A512 EXTERIOR WALL SECTION
3/4" = 1'-0"



A13 / A512 EXTERIOR WALL SECTION
3/4" = 1'-0"



A8 / A512 EXTERIOR WALL SECTION
3/4" = 1'-0"



A4 / A512 EXTERIOR WALL SECTION
3/4" = 1'-0"

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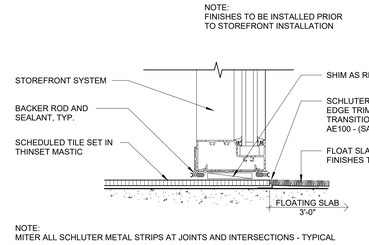
DAYTON, OH 45409

No.	Issue/Revision/Submission	Date
	ARCHITECTURAL REVIEW BOARD - FINAL REVIEW	08.19.2025

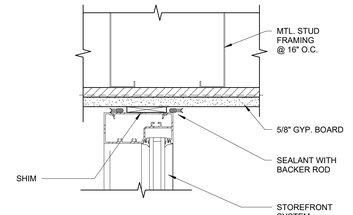
FIFTH THRID BANK - CHAPIN
203 LEXINGTON AVE
CHAPIN, SC 29306
EXTERIOR WALL SECTIONS

PROJECT MANAGER: M. SMITH
DRAWN: V.MYRICK
CHECKED: TBD
INITIAL DRAWING DATE: 7.9.2025
PROJECT NUMBER: FIF22.36

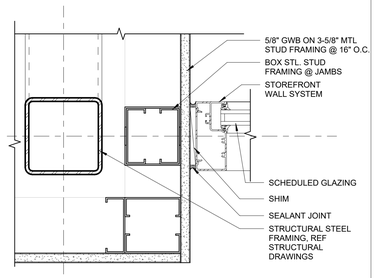
A512



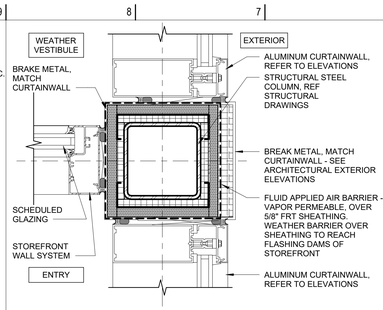
N18 / A601 — STOREFRONT - INTERIOR SILL DETAIL
3" = 1'-0"



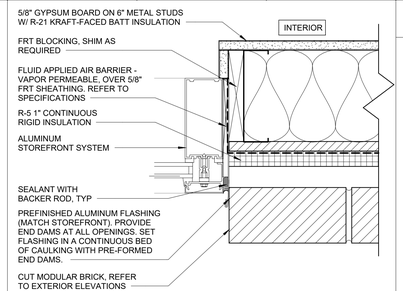
N14 / A601 — STOREFRONT - INTERIOR HEAD DETAIL
3" = 1'-0"



N11 / A601 — STOREFRONT - INTERIOR JAMB DETAIL
3" = 1'-0"



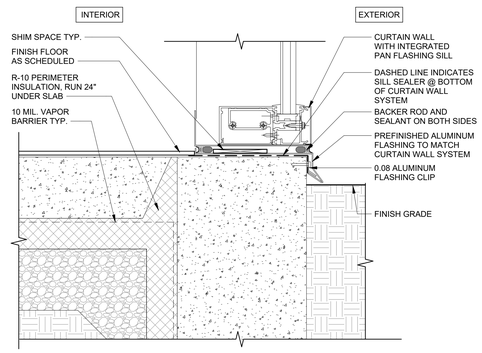
N8 / A601 — JAMB DETAIL
3" = 1'-0"



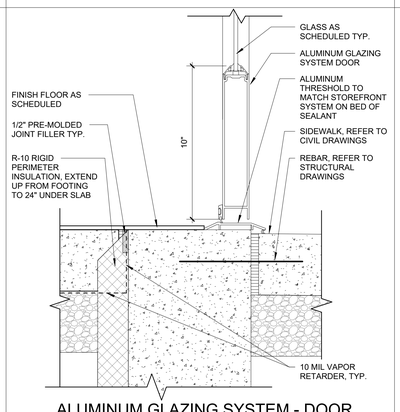
N5 / A601 — STOREFRONT - JAMB BRICK DETAIL
3" = 1'-0"

WINDOW ELEVATIONS KEY

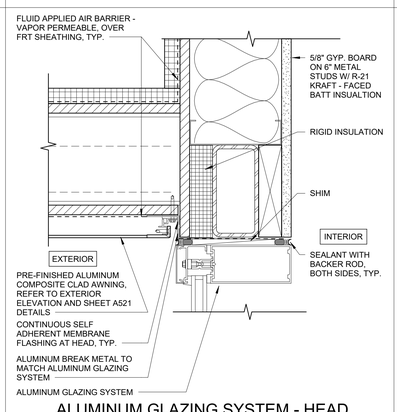
T — TEMPERED GLAZING
I — INSULATED GLAZING



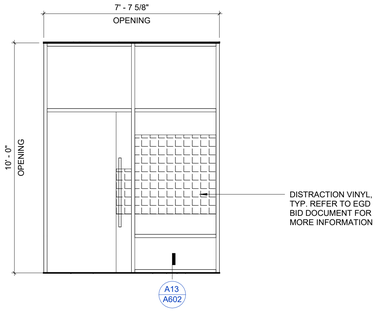
J18 / A601 — ALUMINUM GLAZING SYSTEM - SILL DETAIL
3" = 1'-0"



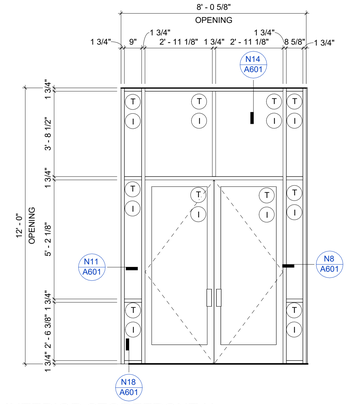
J14 / A601 — ALUMINUM GLAZING SYSTEM - DOOR SILL DETAIL
3" = 1'-0"



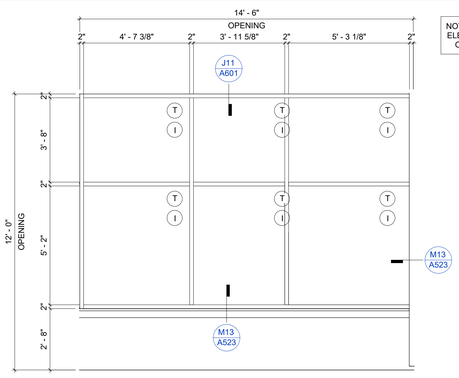
J11 / A601 — ALUMINUM GLAZING SYSTEM - HEAD DETAIL
3" = 1'-0"



J9 / A601 — INTERIOR STOREFRONT J - DIRTT WALL
3/8" = 1'-0"

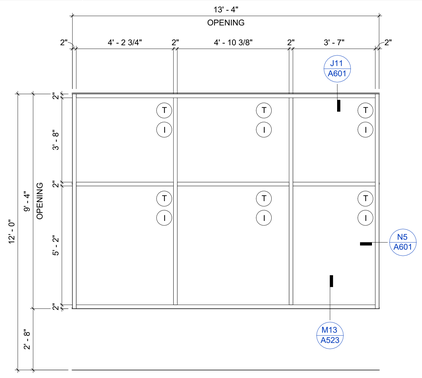


J4 / A601 — INTERIOR STOREFRONT H
3/8" = 1'-0"



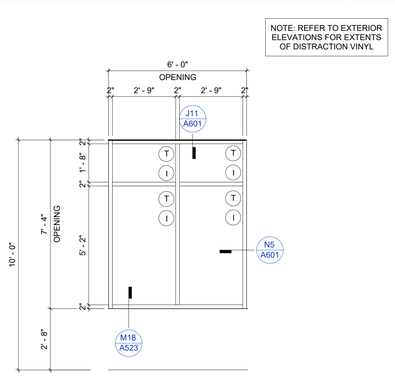
NOTE: REFER TO EXTERIOR ELEVATIONS FOR EXTENTS OF DISTRACTION VINYL

E18 / A601 — STOREFRONT G
3/8" = 1'-0"



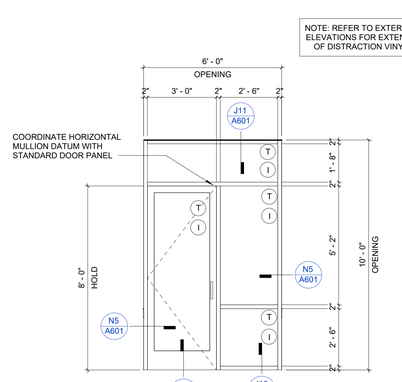
NOTE: REFER TO EXTERIOR ELEVATIONS FOR EXTENTS OF DISTRACTION VINYL

E14 / A601 — STOREFRONT F
3/8" = 1'-0"



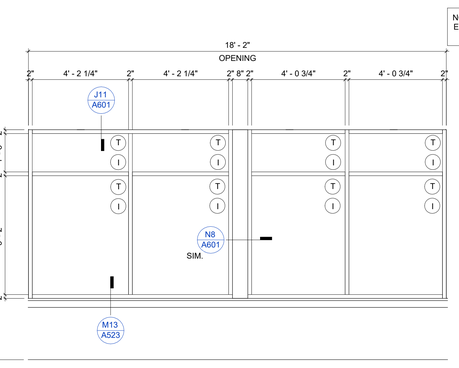
NOTE: REFER TO EXTERIOR ELEVATIONS FOR EXTENTS OF DISTRACTION VINYL

E9 / A601 — STOREFRONT E
3/8" = 1'-0"



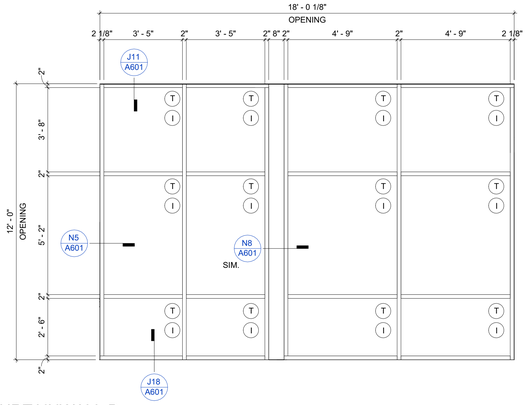
NOTE: REFER TO EXTERIOR ELEVATIONS FOR EXTENTS OF DISTRACTION VINYL

E6 / A601 — STOREFRONT D
3/8" = 1'-0"



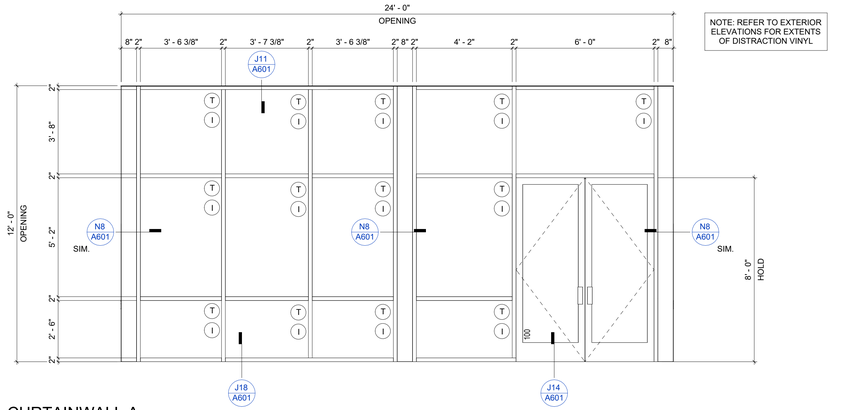
NOTE: REFER TO EXTERIOR ELEVATIONS FOR EXTENTS OF DISTRACTION VINYL

A19 / A601 — STOREFRONT C
3/8" = 1'-0"



NOTE: REFER TO EXTERIOR ELEVATIONS FOR EXTENTS OF DISTRACTION VINYL

A13 / A601 — CURTAINWALL B
3/8" = 1'-0"



NOTE: REFER TO EXTERIOR ELEVATIONS FOR EXTENTS OF DISTRACTION VINYL

A5 / A601 — CURTAINWALL A
3/8" = 1'-0"

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SUITE 400
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THE KLEINGERS GROUP
8278 CENTRE PARK DRIVE
WEST CHESTER TOWNSHIP, OH 45069

08.19.2025
Date

ARCHITECTURAL REVIEW BOARD - FINAL REVIEW
Issue/Revision/Submission

No.

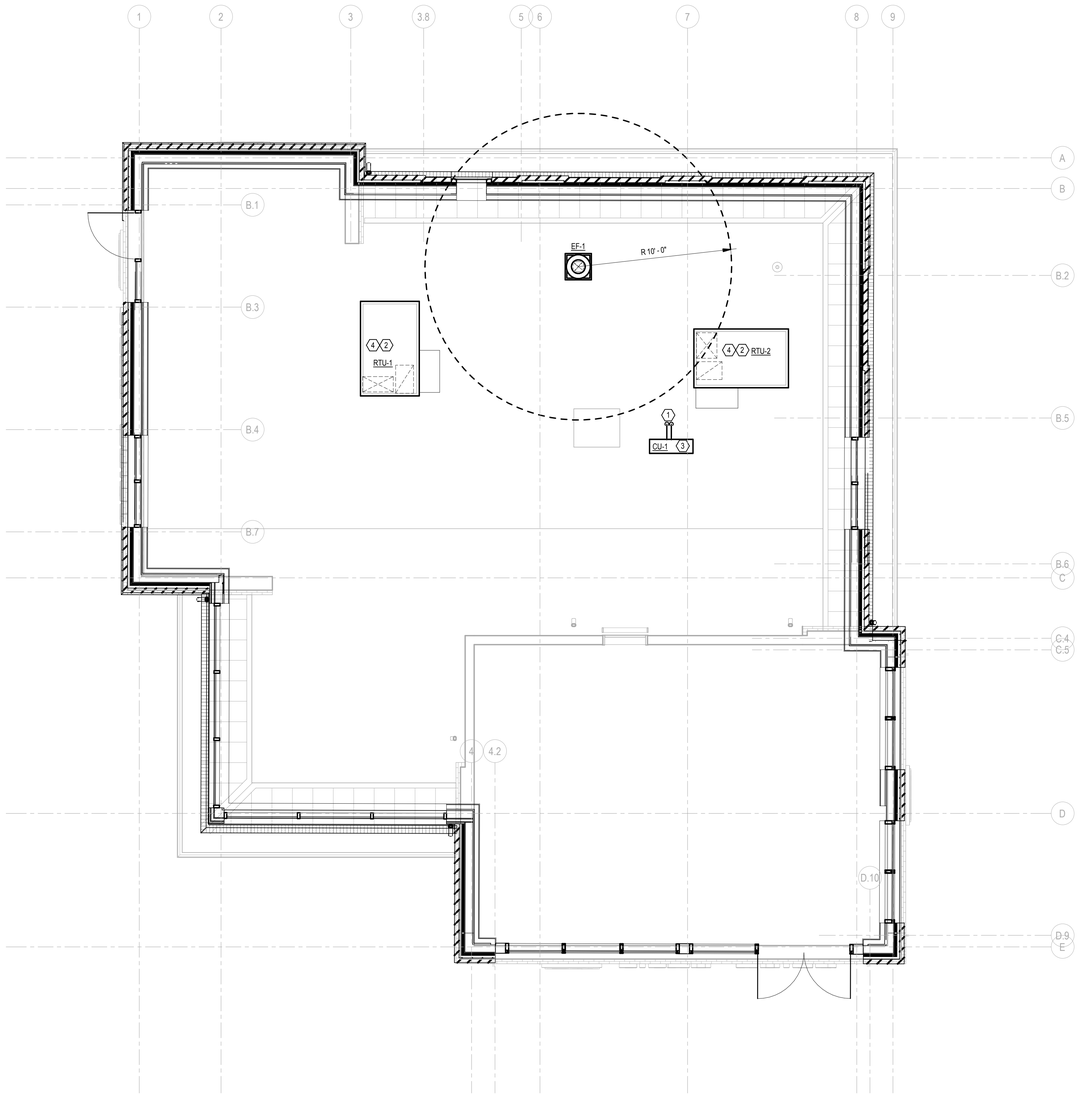
FIFTH THRID BANK - CHAPIN
203 LEXINGTON AVE
CHAPIN, SC 29306

WINDOWS SCHEDULE & DETAILS

PROJECT MANAGER
M. SMITH
DRAWN
V. MYRICK/ C. HUNTER
CHECKED
TBD
INITIAL DRAWING DATE
7.9.2025
PROJECT NUMBER
FIF22.36

A601

Revit 2023 Template Update 2025



1 MECHANICAL ROOF PLAN

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

0 2 4 8 12

PLAN NOTES

1. REFRIGERANT LINES DOWN TO FLOOR BELOW. PROVIDE PIPING, SIZING, AND ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE PROTECTIVE JACKETING OVER INSULATION ON PIPING EXPOSED TO OUTDOORS. ROUTE PIPING TO INDOOR EQUIPMENT. REFER TO FIRST FLOOR PLAN. PROVIDE SIDE PIPE PENETRATION CURB FOR WATER TIGHT INSTALLATION.
2. INSTALL ROOF MOUNTED EQUIPMENT AND SECURE TO WITHSTAND WIND LOAD REQUIREMENTS, AND MANUFACTURERS RECOMMENDATIONS.
3. INSTALL CONDENSING UNIT ON ROOF MOUNTED EQUIPMENT RAILS AND SECURE TO WITHSTAND WIND LOAD REQUIREMENTS, AND MANUFACTURERS RECOMMENDATIONS.
4. COORDINATE ALL ROOF OPENINGS / DIMENSIONS WITH GENERAL TRADES CONTRACTOR AND STRUCTURAL.
5. COORDINATE WITH ROOFING CONTRACTOR TO SELECT AND INSTALL 18x12 SOFFIT VENT IN SOFFIT PANEL.
6. COORDINATE WITH ROOFING CONTRACTOR TO SELECT AND INSTALL RIDGE VENTS ON ROOF.

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SCHAEFER, 537 EAST PETE ROSE WAY, SUITE 400, CINCINNATI, OH 45202

No.		Date
1.	ARCHITECTURAL REVIEW BOARD - FINAL REVIEW Issue/Revision/Submission	8/19/25

FIFTH THIRD BANK - CHAPIN, SC

ROOF PLAN

HEAPY
P: 937-224-0861 www.heapy.com

PROJECT NO. 2024-07175

PROJECT MANAGER: MM
DRAWN: AH
CHECKED: MP
INITIAL DRAWING DATE: 06.19.2025
PROJECT NUMBER: FIF22.25

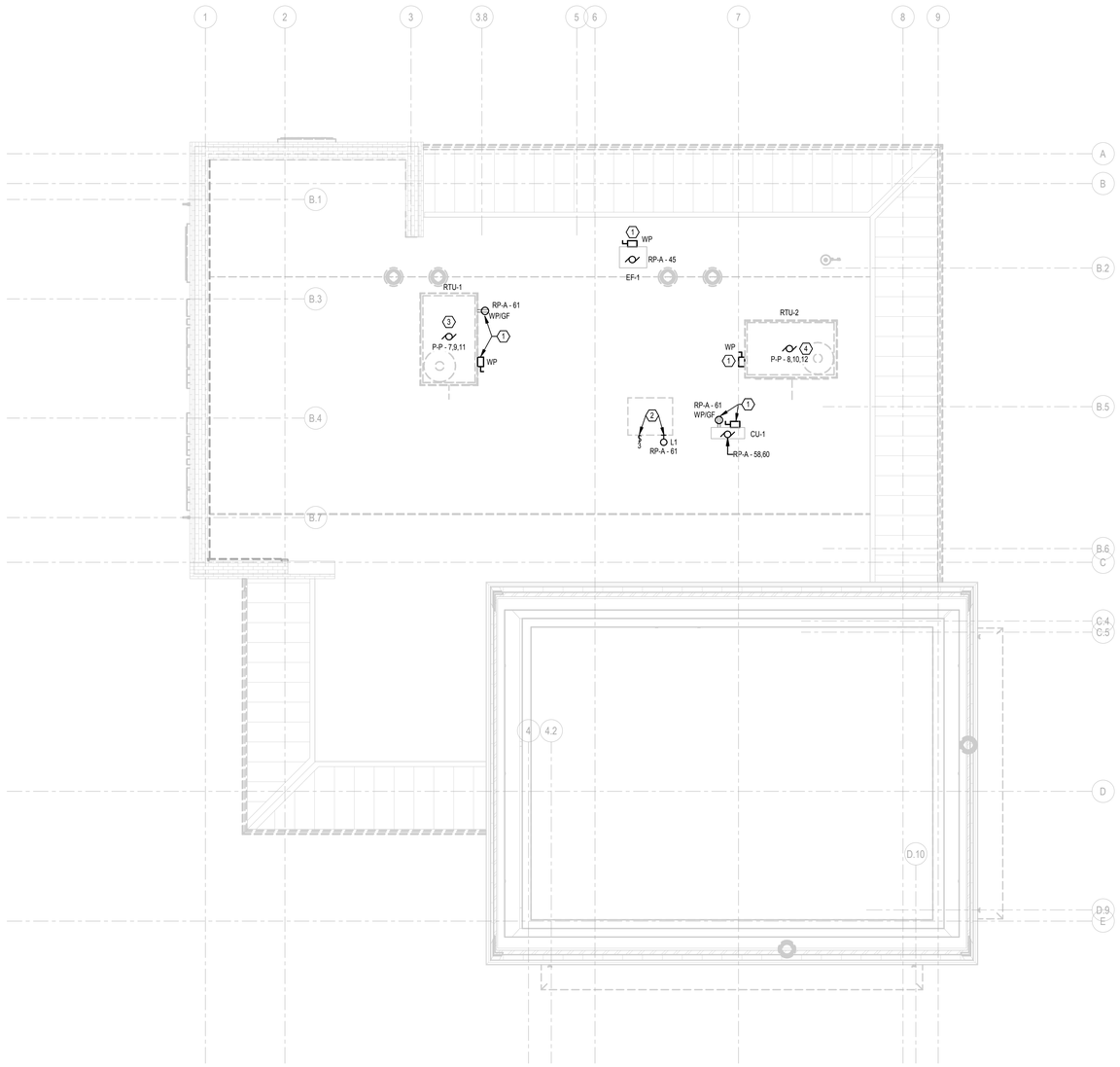
M102

Autodesk Docs://FIF2236 Fifth Third Bank - Chapin/2024-07175-MEP-Central.rvt 8/19/2025 9:56:05 AM

Revit 2023 Template Update 2025

PLAN NOTES

1. MOUNT DISCONNECT AND RECEPTACLE TO UNISTRUT NEXT TO MECHANICAL EQUIPMENT. CONDUIT AND UNISTRUT SHALL BE LOCATED SO ANY EQUIPMENT ACCESS PANELS CAN BE FULLY OPENED AND REMOVED. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
2. 3 WAY SWITCHES ON FIRST FLOOR AND ROOF WILL CONTROL ROOF LIGHT AT ROOF HATCH. ROOF SWITCH SHALL BE MOUNTED IN A WEATHERPROOF ENCLOSURE. COORDINATE EXACT LOCATION AND MOUNTING WITH ARCHITECT PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
3. MINIMUM CIRCUIT LENGTH TO RTU-1 SHALL BE 24'. E.C. SHALL PROVIDE AN ADDITIONAL 5FT OF COILED WIRE IN JUNCTION BOX IN ELECTRICAL ROOM FOR RTU-1 TO ACHIEVE 10K FAULT CURRENT RATING.
4. MINIMUM CIRCUIT LENGTH TO RTU-2 SHALL BE 11'. E.C. SHALL PROVIDE AN ADDITIONAL 8FT OF COILED WIRE IN JUNCTION BOX IN ELECTRICAL ROOM FOR RTU-2 TO ACHIEVE 10K FAULT CURRENT RATING.



1 **ROOF PLAN**
SCALE: 1/4" = 1'-0"

0 2 4 8 12

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SCHAEFER, 537 EAST PETE ROSE WAY, SUITE 400, CINCINNATI, OH 45202

HEAPY ENGINEERING, 1400 WEST DOROTHY LANE, DAYTON, OH 45409

No.		Date
1	ARCHITECTURAL REVIEW BOARD - FINAL REVIEW Issue/Revision/Submission	8/19/25

FIFTH THIRD BANK - CHAPIN, SC

ROOF PLAN

PROJECT MANAGER
Approver
DRAWN
DSM
CHECKED
Checker
INITIAL DRAWING DATE
06.19.2025
PROJECT NUMBER
FIF22.25

E501

HEAPY
P: 937-224-0861 www.heapy.com
PROJECT NO. 2024-07175

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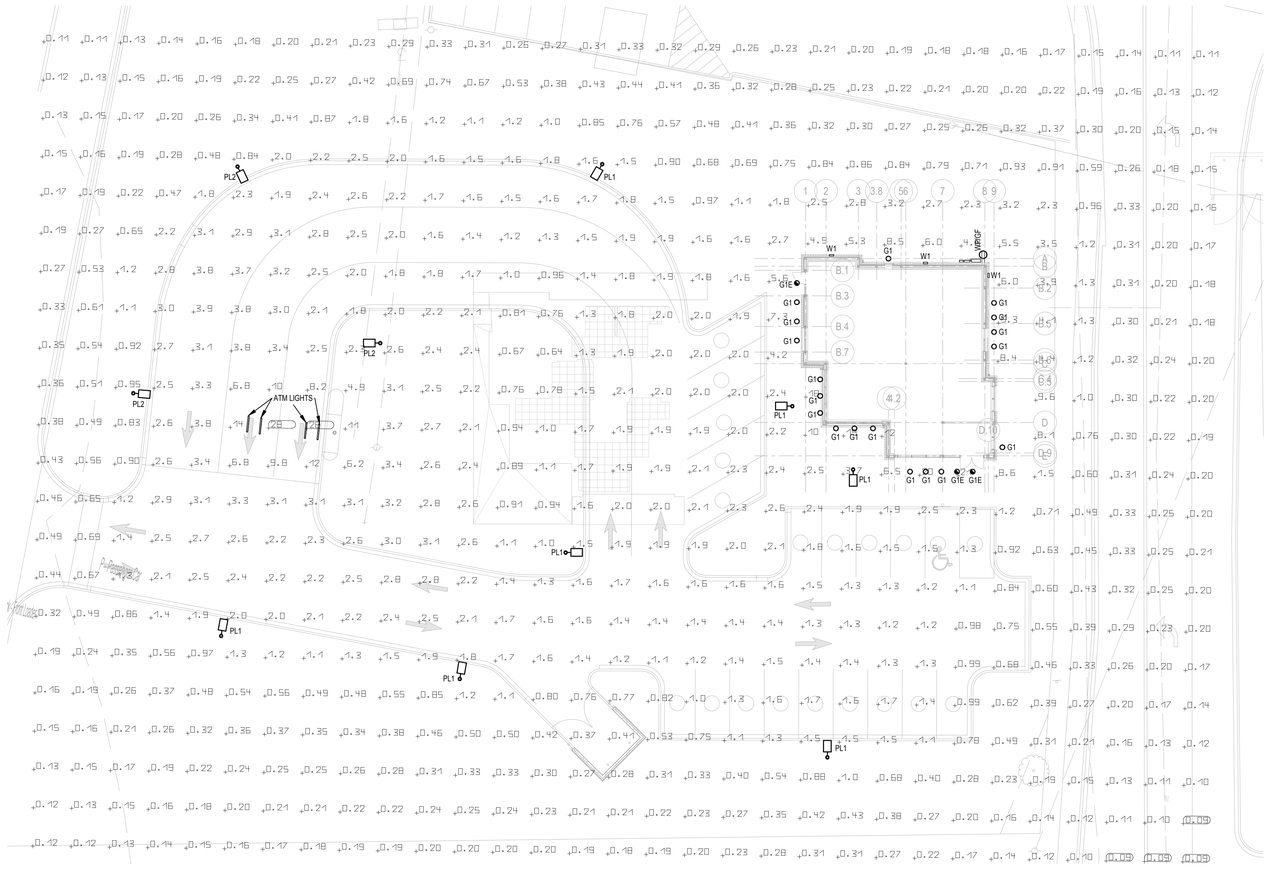
Rvt 2023 Template Update 2025



1 ELECTRICAL EXTERIOR PHOTOMETRICS

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

0 8 16 32 48

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Lumination

CUSTOMER NAME
Project Name
Date Type G1, G1E
Catalog Number

Decaux Series

New Construction Downlight

The **Decaux Series** leverages an advanced LED optical system and superior color rendering to achieve premium performance and aesthetics. Available in a variety of **mechanical, performance and aesthetic configurations** to meet any spec.

CONSTRUCTION

Housing:	Galvanized steel
Lens:	Non-conductive Polycarbonate (standard); Glass (wet rated)
Paint:	Powder coat painted reflector options
Weight:	4.5 – 8.0lbs (2.0–3.6kg), 7.0lb (3.18kg) Standard Option
Optical Assembly:	High efficiency reflector and optical diffuser

OPTICAL SYSTEM

Lumens:	1000–6000lm
Distribution:	Round Reflector: Narrow (42°), Wide (59°), Very Wide (70°), Wall Wash Square Reflector: Medium (47.3°), Wide (59°), Wall Wash
Efficacy:	Up to 118 LPW
CCT:	3000K, 3500K, 4000K
CRI (Min):	TriGain® 90 CRI: 1000–4000lm 90 CRI: 5000–6000lm

ELECTRICAL

Input Voltage:	120–277V, 347V
Input Frequency:	50/60Hz
Standard Dimming Control:	0–10V 1%, Daintree Wireless compatible, Lutron Ecosystem 0.1%
Power Factor (PF)*:	>90%
Total Harmonic Distortion (THD)*:	<20%

* System PF and THD specified at rated watts

CONTROLS

Dimming:	Standard 0–10V, 1%
Sensors:	Daintree® Compatible w/ Controls Kit (see Ordering for additional info) Lutron LDE1 Hi-lume 0.1% Ecosystem w/Soft-on, Fade-to-Black

OPERATING AMBIENT TEMPERATURE

Product ID	Operating Temperature
LDXB	-20° to +35° C

NOTE: 2L version is 0° to 35°

OPERATING AMBIENT TEMPERATURE

Projected Lxx per IES TM-21 at max.T[°C]

L70(10K) @ Hours	L80(10K) @ Hours
50,000 HR	
L85	

MOUNTING

- New Construction, interior applications—Drywall or T-Grid

DESIGN LIFE & WARRANTY

- Damp Location rated; Wet rated lens option (round only)
- **Current's Limited 5-year Warranty:** Please see website.

TriGain Daintree 5 YEAR WARRANTY MET MARCO RoHS CALIFORNIA

Current

LED.com

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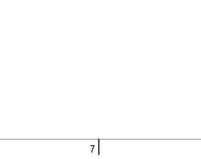
Page 1 of 11
(Rev 10/01/25)
BDD402_Decaux_LDE2_Spec_RO4

Project		Catalog #		Type	PL1, PL2
Prepared by		Notes		Date	



McGraw-Edison

GLEON Galleon

Area / Site Luminaire

Product Features

Product Certifications

DLC 5.1 DLC PREMIUM DLC FLEX 5G IP66 ETL CSA

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 4
- Product Specifications page 4
- Energy and Performance Data page 4
- Control Options page 5

Quick Facts

- Lumen packages range from 4,200 - 80,800 (34W - 540W)
- Efficacy up to 166 LPW
- Options to meet Buy American and other domestic preference requirements

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless
- Enlighted

Dimensional Details

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Extended Arm Length	"B" LSM Arm Length	"C" CWL Length	"D" CWCA Length
1–4	10-1/2"	7"	13"	10-5/8"	--	15-9/16"
5–6	21-5/8"	7"	13"	10-5/8"	--	16-9/16"
7–8	27-5/8"	7"	13"	10-5/8"	10-5/16"	--
9–10	33-3/4"	7"	13"	--	10-5/16"	--

NOTES:
1. Wall mounting requires two arms.
2. Arm selection applies to new construction and retrofit applications. Verify dimensions prior to order placement.
3. Not certified for DNV GL® cat 4 marine duty.

COOPER Lighting Solutions

P560002DCN page 1
August 8, 2024 10:30 PM

EVOLVE

CUSTOMER NAME
PROJECT NAME
DATE TYPE W1
CATALOG NUMBER

EWAS A Series

LED Wall Pack

The **Evolve®** LED A Series Wall Pack (EWAS), offers Type II, III and IV optical patterns with lumen levels ranging from 3,000 to 17,000 lumens, and is a designed replacement for 50W to 400W HID including an optional Emergency Battery Backup.

BAA

Construction

Housing:	Aluminum die cast enclosure. Integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant polyester powder paint, minimum 2.0 mil thickness Standard = Black, Dark Bronze, Grey & White (DNI, & custom colors available)
Weight:	8 - 51 lbs.

Optical System

Lumens:	3,000 - 17,000
Distribution:	Type II, III, IV
CCT:	3000K, 4000K, 5000K
CRI:	≥70

Electrical

Input Voltage:	120-277V & 347-480V
Input Frequency:	60/60Hz
Power Factor:	> 90% at rated watts
Total Harmonic Distortion:	< 20% at rated watts

Surge Protection

TYPICAL (10kA 8/20µs)	ENHANCED (20kA 8/20µs)	EXTREME (40kA 8/20µs)
☐ 6kV/3kA*	☐ 10kV/5kA*	☐ 20kV/10kA*

*Per ANSI C136.2-2015

Warranty

☐ 5 Year (Standard)

Lumen Maintenance

Projected Lxx per IES TM-21-11 at 25°C

DISTRIBUTION	L(Extrap.) @ 100,000 HR	L(Extrap.) @ 100,000 HR	L(Extrap.) @ 100,000 HR
	25,000 HR	50,000 HR	75,000 HR
A2, A3, A4, B2, B3, B4, C2, C3, C4, D2, D3, D4	L96	L93	L92
E2, E3, E4, F2, F3, F4, G2, G3, G4	L96	L94	L94

Note: Projected Lxx based on LM80 @ 10,000 hour testings. Accepted industry tolerances apply to data contained here.

Luminaire Ambient Temperature Factor

AMBIENT TEMP (°C)	INITIAL FLUX FACTOR	AMBIENT TEMP (°F)	INITIAL FLUX FACTOR
10	1.02	30	0.99
20	1.01	40	0.98
25	1.00	50	0.97

Ratings

Operating Temperature:	-40°C to 40°C
Vibration:	3G per ANSI C136.31-2010
LM-79:	Testing in accordance with IESNA Standards

Controls

Dimming:	Standard = 0-10V ☐ Optional = DALI (Option L2) ☐
Sensors:	Photo Electric Sensors (PE) available LightGrid+™ and Daintree Compatible

Emergency Battery Backup

Provides reliable emergency operations when there is a loss to normal power, supported by independent Secondary Battery and LED Board.

Powers Luminaire for a minimum of 90 minutes @ 1,000 lumens.

Available on 4F and 6F Optical Code Packages only

Operating Temperature (for EMBB models): -20° to 40°C

3kV/1.5kA surge protection for EMBB models.

Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

Current

LED.com

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Page 1 of 2
(Rev 10/01/25)
OUTSIDE Evolve EWAS LED Wall Pack Spec Sheet_RO

BHDP ARCHITECTURE
312 WEST THIRD STREET
DAYTON, OH 45402
PHONE 937.371.7400
www.bhdp.com

CINCINNATI
COLUMBUS
RALEIGH
CHARLOTTE

BHDP

SCHAEFER: 537 EAST PETE ROSE WAY SUITE 400, CINCINNATI, OH 45202

THE KLEINGERS GROUP, 9219 CENTRE PARK DRIVE, WEST CHESTER TOWNSHIP, OH 45069

HEAPY ENGINEERING, 1400 WEST DOROTHY LANE, DAYTON, OH 45409

8/19/25
Date

No. 1 ARCHITECTURAL REVIEW BOARD - FINAL REVIEW Issue/Revision/Submission

FIFTH THIRD BANK - CHAPIN, SC

EXTERIOR PHOTOMETRIC CALCULATION

HEAPY
P: 937-224-0861 www.heapy.com

PROJECT NO. 2024-07175

PROJECT MANAGER	Approver
DRAWN	DSM
CHECKED	Checker
INITIAL DRAWING DATE	06.19.2025
PROJECT NUMBER	FIF22.25

E006

Autodesk Docs://FIF2236 Fifth Third Bank - Chapin/2024-07175-MEP-Central.rvt — 8/19/2025 10:22:52 AM

August 19, 2025

Fifth Third Bank – Chapin
203 Lexington Ave
Chapin, SC 29306

This narrative is in response to the preliminary Architectural Review Board meeting comments. Please see Town's comments below and our response, in red, to address them. Additionally, please see the required documentation documents and supplemental document packet for reference.

Required Documentation

1. Scaled Site Plan. Refer to C400 Location Plan.
2. Landscape and Tree Plan. Refer to L100 Planting Plan.
3. Grading Plan. Refer to C600 Grading Plan.
4. Parking Layout. Refer to C400 Location Plan.
5. Site Photometric Plan. Refer to E006 Exterior Photometric Calculation.
6. Foundation Plan. Refer to S101 Foundation Plan.
7. Floor Plan. Refer to A101 Floor Plan and A101A Dimension Floor Plan.
8. Elevation Drawings. Refer to A201 and A202 Exterior Elevations.
9. Typical Wall Section. Refer to A301 and A302 Building Sections and A511, A512, A513 Exterior Wall Sections.
10. HVAC Layout. Refer to M101 Floor Plan and M102 Roof Plan.
11. Electric Layout. Refer to E101 Lighting Plan and E201 Power & Systems Plan.
12. Plumbing Layout. Refer to P100 Plumbing Foundation Plan and P101 Plumbing First Floor Plan.
13. OCRM Approval or Exemption. Site does not fall within a flood zone. Refer to ALTA in supplemental documents package noting Flood Zone X.
14. Water and Sewer Receipts. Correspondence with Town of Chapin Engineer and Columbia Water has been documented with zoning manager to satisfy this requirement for ARB submittal.
15. Elevation Certificate of "A" & "V". Site does not fall within a flood zone. Refer to ALTA in supplemental documents package noting Flood Zone X.

Comments From Preliminary ARB Submittal

- Exterior color of building that are shown are brick colors listed as; Steel Gray. 6.11.3.C.3. Color should match surrounding buildings. Exterior Brick and Stone finishes were selected to align with approved Town of Chapin Color Pallett to blend with the surrounding buildings. Refer to finish schedule for material image and matched approved Town of Chapin Color.

- Architectural design should align with the existing styles and overall ascetics of the downtown area. 6.11.1. Adjust awnings on reverse side with slope. Sloped roof line has been expanded. Refer to updated A201 and A202 Exterior Elevations.

- Street frontage of building does not meet the building frontage requirement of 40% glazing. 6.11.3.C.4. – Will require windows to meet the minimum required. Spandrel glass is prohibited. Windows on the east elevation of building facing Lexington Avenue have been expanded to achieve the 40% requirement. Refer to calculations on A201 and A202 Exterior Elevations.

- Window material and size need clarification. (6.11.3.c) Refer to A201 and A202 Exterior Elevations and A601 Windows Schedule & Details sheet for window sizes and details.

- North elevation needs window to break up blank wall, suggested to provide several options of architectural elements for approval. Bricked in window design added to provide additional articulation to this façade. Elevation provided to zoning manager 7/24 for feedback and was noted that this update would be acceptable.

- Roof pitch / slope of the roof. = 5.12. Parapet roof not permitted. 124, 6.11.4.c. = Mix of sloped or pitched roof elements- do not want to see flat rooftops from ground level. Sloped roof line has been expanded. Refer to updated A201 and A202 Exterior Elevations. Refer to A301 and A302 Building Sections for screening of flat roof and mechanical equipment. Updated to roof design shared with zoning manager 7/24 for initial feedback and was noted that this update would be acceptable with the additional comment:
    - The aluminum cap is not permitted per code – (6.11.3.b) Aluminum cap has been removed and replaced with a smooth finish cast stone cap to align with watertable material. Refer to Exterior Finish Schedule and A201 and A202 Exterior Elevations

- Confirm height of parapet is at least 1’ higher than mechanical units on Roof. 6.11.7.b Refer to A301 and A302 Building Sections which show dimensions for the roof top mechanical units and the parapets with minimum of 1’ height difference.

- Exterior ascetics need to be screened and need to match color of building to blend. 6.11.7.b (mechanical equip, down spouts, exterior ladder, etc.) Landscaping can work to blend. Refer to A201 and A202 Exterior Elevations and L100 Planting Plan for location of equipment to be screened with landscaping beds. Gutter down spouts are specified to be dark bronze to align with the roof and other architectural accent metal on the project. Gutters are tied into stormwater drainage and the connection at grade level is screened in landscaping beds.

- Final plan will require details of open space (5.4.2.a.) , pedestrian access and landscaping requirements. -Landscaping in island and along south elevation. Pedestrian amenities (benches and picnic table) for open space integrated into the landscaping have been added along pedestrian sidewalk access route on the north and south sides of the building.

- Pedestrian Access plan does not show connection to abutting property. (8.6.2.) - Coordinate with adjacent property developer. BHDP coordinated with adjacent property to the south for the sidewalk access point in southwest corner of site. As discussed with the zoning manager, the connecting access road was removed due to hardship for the property to the south.

- Landscaping requirements need further shrubs - Coordinate to match landscaping with adjacent property. Refer to L100 Planting Plan for landscaping updates. Landscaping bed plant selection and location was coordinated and adjusted to align with property to the south.

- Traffic Impact Study will be required prior to final approval. Section 5.6. Traffic Impact Study will be performed.

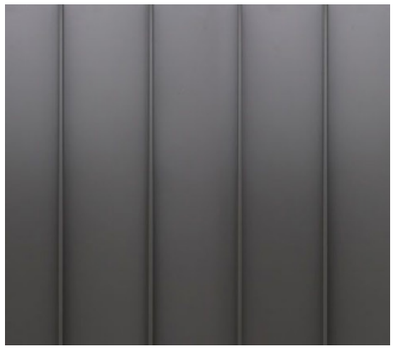
* Exterior building lighting incorporates row lighting from ground -shine up or roof - shine down. Refer to A110 Reflected Ceiling Plan and E101 Lighting Plan for exterior lighting added to the building roof top eaves shining down.

* Site lighting to match other property and lighting plan to ensure no spillage onto surrounding properties. BHDP has coordinated exterior pole lighting specification with Civil and Electrical engineering teams for the medical building project to the south. Refer to Supplemental Documents for pole lighting specification. Refer to E006 Exterior Photometric Plan.

Sincerely,
Claire Hunter
Architectural Designer
274 Marconi Boulevard, Suite 200
Columbus, OH 43215
614.486.1960
BHDP Project No.: FIF22.36

Modular Brick - Glacier White

Approved Town of Chapin Color Match
Creamy SW7012



Pac-Clad Dark Bronze Metal Standing Seam Roof

Approved Town of Chapin Color Match to Project Bronze Metal Urbane Bronze SW7048

Fiber Cement Board Facia and Brackets, Custom Paint
Approved Town of Chapin Color Crisp Linen SW 6378

Modular Brick - Slate Gray

Approved Town of Chapin Color Match
Hammered Silver SW2840

Reynobond - Classic Bronze Canopies

Stone - Rockcast Buff

Approved Town of Chapin Color Match
Reliable White SW6091

Classic Bronze Kawneer Aluminum Storefront

Project		Catalog #		Type	
Prepared by		Notes		Date	

McGraw-Edison

GLEON Galleon

Area / Site Luminaire

Product Features

Light ARchitect™

BAA

Product Certifications

ISO Systems Certified

DLC Listed [1]

DLC Listed Premium [1]

3G VIB

IP66

UL Certified

Dark Sky Approved [2]

5 Year Limited Warranty

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Quick Facts

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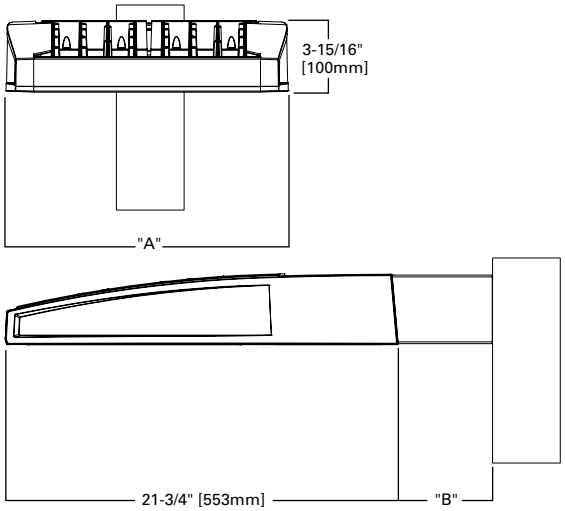
- Efficacy up to 156 LPW
- Options to meet Buy American and other domestic preference requirements

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless
- Enlighted

Dimensional Details



Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Extended Arm Length [1]	"B" QM Arm Length	"B" QML Length	"B" QMEA Length
1-4	15-1/2"	7"	10"	10-5/8"	--	16-9/16"
5-6	21-5/8"	7"	10"	10-5/8"	--	16-9/16"
7-8	27-5/8"	7"	13"	10-5/8"	10-5/16"	--
9-10	33-3/4"	7"	16"	--	10-5/16"	--

NOTES:
For arm selection requirements and additional line art, see Mounting Details section.

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

SA1 FOR PL1, SA2 FOR PL2

A FOR PL2, B FOR PL1

Ord

SAMP)-U-T4FT-GM

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
GLEON=Galleon **BAA-GLEON**=Galleon, Buy American Act Compliant [34] **TAA-GLEON**=Galleon, Trade Agreements Act Compliant [34]	**SA1**=1 Square **SA2**=2 Squares **SA3**=3 Squares **SA4**=4 Squares **SA5**=5 Squares [4] **SA6**=6 Squares **SA7**=7 Squares [5] **SA8**=8 Squares [5] **SA9**=9 Squares [6] **SA0**=10 Squares [6]	**A**=600mA **B**=800mA **C**=1000mA **D**=1200mA [15]	**722**=70CRI, 2200K **727**=70CRI, 2700K **730**=70CRI, 3000K **735**=70CRI, 3500K **740**=70CRI, 4000K **750**=70CRI, 5000K **760**=70CRI, 6000K **827**=80CRI, 2700K **830**=80CRI, 3000K **AMB**=Amber, 590nm [13, 15]	**U**=120-277V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [7, 8] **9**=347V [7]	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**[Blank]**=Arm for Round or Square Pole **EA**=Extended Arm [9] **MA**=Mast Arm Adapter [10] **WM**=Wall Mount **QM**=Quick Mount Arm (Standard Length) [11] **QMEA**=Quick Mount Arm (Extended Length) [12] **QML**=Quick Mount Arm (Standard Length, Large) [36]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **RALXX**=Custom Color

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately)[35]
DIM=External 0-10V Dimming Leads [18, 19] **F**=Single Fuse (120, 277 or 347V Specify Voltage) **FF**=Double Fuse (208, 240 or 480V Specify Voltage) **20K**=Series 20kV UL 1449 Surge Protective Device **2L**=Two Circuits [16, 17] **HA**=50°C High Ambient **HSS**=Installed House Side Shield [27] **GRSBK**=Glare Reducing Shield, Black [22] **GRSWH**=Glare Reducing Shield, White [22] **LCF**=Light Square Trim Painted to Match Housing [26] **MT**=Installed Mesh Top **TH**=Tool-less Door Hardware **CC**=Coastal Construction finish [3] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **CE**=CE Marking [28] **AHD145**=After Hours Dim, 5 Hours [21] **AHD245**=After Hours Dim, 6 Hours [21] **AHD255**=After Hours Dim, 7 Hours [21] **AHD355**=After Hours Dim, 8 Hours [21] **DALI**=DALI Drivers	**BPC**=Button Type Photocontrol **PR**=NEMA 3-PIN Photocontrol Receptacle **PR7**=NEMA 7-PIN Photocontrol Receptacle [20] **SPB2**=Dimming Occupancy Sensor with Bluetooth Interface, 8′ - 20′ Mounting [33] **SPB4**=Dimming Occupancy Sensor with Bluetooth Interface, 21′ - 40′ Mounting [33] **MS-L20**=Motion Sensor for ON/OFF Operation, 9′ - 20′ Mounting Height [23] **MS-L40W**=Motion Sensor for ON/OFF Operation, 21′ - 40′ Mounting Height [23] **MS/X-L20**=Bi-Level Motion Sensor, 9′ - 20′ Mounting Height [23, 24] **MS/X-L40W**=Bi-Level Motion Sensor, 21′ - 40′ Mounting Height [23, 24] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9′ - 20′ Mounting Height [23] **MS/DIM-L40W**=Motion Sensor for Dimming Operation, 21′ - 40′ Mounting Height [23] **WLS2XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7′ - 15′ Mounting [31] **WLS4XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15′ - 40′ Mounting [31] **WPS2XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7′ - 15′ Mounting [31,32] **WPS4XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15′ - 40′ Mounting [31,32] **LWR-LW**=Enlighted Sensor, 8′–16′ Mounting Height [25] **LWR-LN**=Enlighted Sensor, 16′–40′ Mounting Height [25] **DIM10-L08**=AirMesh Occupancy Sensor (<8′ Mounting) [18] **DIM10-L20**=AirMesh Occupancy Sensor (9′-20′ Mounting) [18] **DIM10-L40**=AirMesh Occupancy Sensor (21′-40′ Mounting) [18]	**OA/RA1013**=Photocontrol Shorting Cap **MA1252**=10kV Surge Module Replacement **MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [23] **GLEON-MT1**=Field Installed Mesh Top for 1-4 Light Squares **GLEON-MT2**=Field Installed Mesh Top for 5-6 Light Squares **GLEON-MT3**=Field Installed Mesh Top for 7-8 Light Squares **GLEON-MT4**=Field Installed Mesh Top for 9-10 Light Squares **GLEON-QM**=Quick Mount Arm Kit [11] **GLEON-QMEA**=Quick Mount Extended Arm Kit [12] **LS/HSS**=Field Installed House Side Shield [27, 29] **LS/GRSBK-2PK** =Glare Reducing Shield, Black [22, 29] **LS/GRSWH-2PK** =Glare Reducing Shield, White [22, 29] **LS/PFS**=Perimeter Shield, Black [14] **WOLC-7P-10A**=WaveLinx Outdoor Control Module [18, 30] **TL7-HVG**= AirMesh 7-PIN node, 110-480V [18, 30]

PROVIDE HOUSE SIDE SHIELD PER DRAWINGS

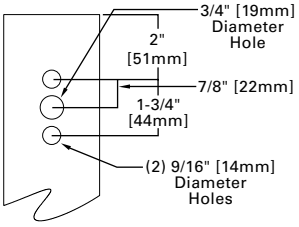
NOTES:

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
4. Not compatible with MS/4-LXX or MS/1-LXX sensors.
5. Not compatible with extended quick mount arm (QMEA).
6. Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA).
7. Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A.
8. 480V must utilize Wye system only. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems.)
9. May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table.
10. Factory installed.
11. Maximum 8 light squares.
12. Maximum 6 light squares.
13. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
14. Set of 4 pcs. One set required per Light Square.
15. Not available with HA option.
16. 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in SA2 through SA4 requires a larger housing, normally used for SA5 or SA6. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table.
17. Not available with Enlighted wireless sensors.
18. Cannot be used with other control options.
19. Low voltage control lead brought out 18" outside fixture.
20. Not available if any "MS" sensor is selected. Motion sensor has an integral photocell.
21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
22. Not for use with T4FT, T4W or SL4 optics. See IES files for details.
23. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
24. Replace X with number of Light Squares operating in low output mode.
25. Enlighted wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities.
26. Not available with house side shield (HSS).
27. Not for use with 5NQ, 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected.
28. CE is not available with the LWR, MS, MS/X, MS/DIM, BPC, PR or PR7 options. Available in 120-277V only.
29. One required for each Light Square.
30. Requires PR7.
31. Replace XX with sensor color (WH, BZ or BK.)
32. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed.
33. Smart device with mobile application required to change system defaults. See controls section for details.
34. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
35. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
36. Available for 7 - 10 squares.

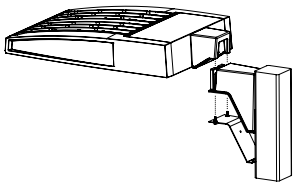
Mounting Details

Standard Arm (Drilling Pattern)

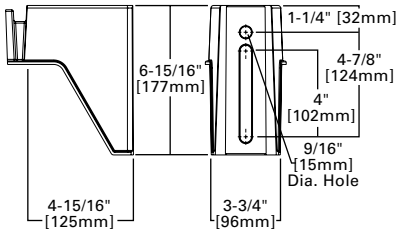
TYPE "N"



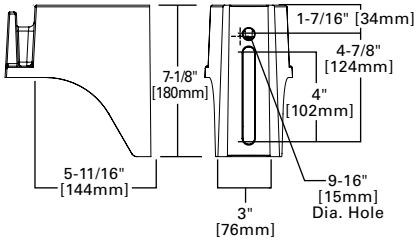
Quick Mount Arm (Includes fixture adapter)



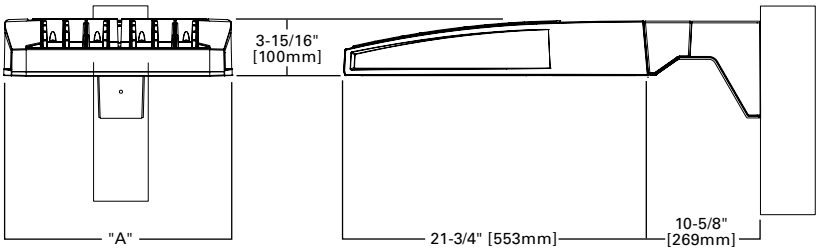
QM and QMEA Pole Mount (1 - 8 squares)



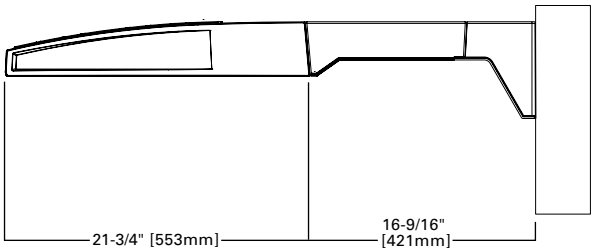
QML Pole Mount (7 - 10 squares)



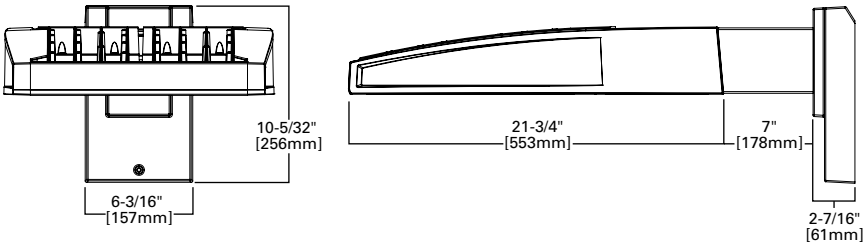
QM Quick Mount Arm (Standard, 1-8 squares)



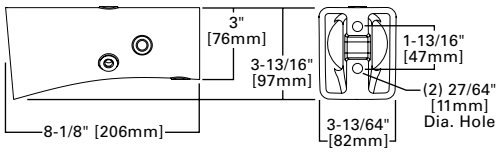
QMEA Quick Mount Arm (Extended, 1 - 6 squares)



Standard Wall Mount

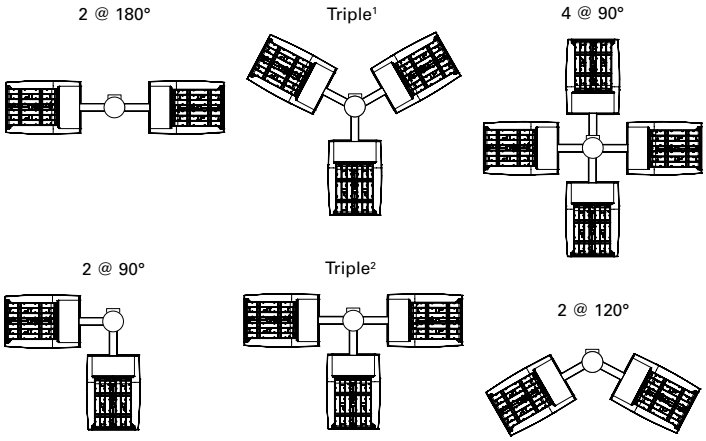


Mast Arm Mount



Arm Mounting Requirements

Number of Light Squares	Standard Arm @ 90° Apart	Standard Arm @ 120° Apart	Quick Mount Arm @ 90° Apart	Quick Mount Arm @ 120° Apart
1	Standard	Standard	QM Extended	Quick Mount
2	Standard	Standard	QM Extended	Quick Mount
3	Standard	Standard	QM Extended	Quick Mount
4	Standard	Standard	QM Extended	Quick Mount
5	Extended	Standard	QM Extended	Quick Mount
6	Extended	Standard	QM Extended	Quick Mount
7	Extended	Extended	--	Quick Mount
8	Extended	Extended	--	Quick Mount
9	Extended	Extended	--	--
10	Extended	Extended	--	--



NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. **2** Round poles are 3 @ 90°. **3** Shown with 4 square configurations.

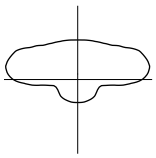
Fixture Weights and EPAs

Number of Light Squares	Weight with Standard and Extended Arm (lbs.)	EPA with Standard and Extended Arm (Sq. Ft.)	Weight with QM Arm (lbs.)	EPA with QM Arm (Sq. Ft.)	Weight with QML (lbs.)	EPA with QML (Sq. Ft.)	Weight with QMEA (lbs.)	EPA with QMEA (Sq. Ft.)
1-4	33	0.96	35	1.11	--	--	38	1.11
5-6	44	1.00	46	1.11	--	--	49	1.11
7-8	54	1.07	56	1.11	58	1.11	--	--
9-10	63	1.12	--	--	67	1.11	--	--

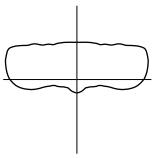
Optical Distributions

Asymmetric Area Distributions

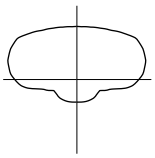
T2 (Type II)



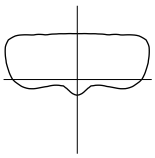
SL2 (Type II with Spill Control)



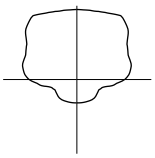
T3 (Type III)



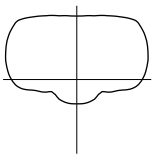
SL3 (Type III with Spill Control)



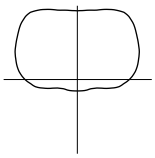
T4FT (Type IV Forward Throw)



T4W (Type IV Wide)

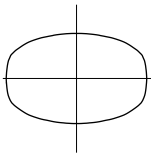


SL4 (Type IV with Spill Control)

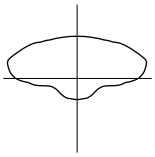


Asymmetric Roadway Distributions

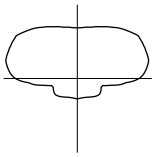
RW (Rectangular Wide Type I)



T2R (Type II Roadway)

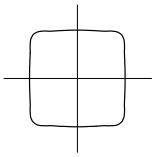


T3R (Type III Roadway)

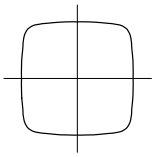


Symmetric Distributions

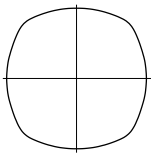
5NQ (Type V Square Narrow)



5MQ (Type V Square Medium)

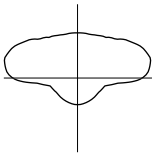


5WQ (Type V Square Wide)

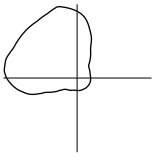


Specialized Distributions

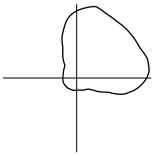
AFL (Automotive Frontline)



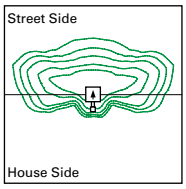
SLL (90° Spill Light Eliminator Left)



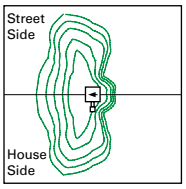
SLR (90° Spill Light Eliminator Right)



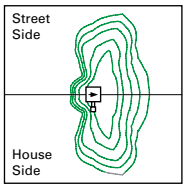
Rotated Optics



Standard



Optics Rotated Left @ 90° [L90]



Optics Rotated Right @ 90° [R90]

Product Specifications

Construction

- Extruded aluminum driver enclosure
- Heavy-wall, die-cast aluminum end caps
- Die-cast aluminum heat sinks
- Patent pending interlocking housing and heat sink

Optics

- Patented, high-efficiency injection-molded AccuLED Optics technology
- 16 optical distributions
- 3 shielding options including HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only)

Electrical

- LED drivers are mounted to removable tray assembly for ease of maintenance
- Standard with 0-10V dimming
- Standard with Cooper Lighting Solutions proprietary circuit module designed to withstand 10kV of transient line surge
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration.

Mounting

- Standard extruded arm includes internal bolt guides and round pole adapter
- Extended arms (EA and QMEA) may be required in 90° or 120° pole mount configurations, see arm mounting requirements table
- Mast arm (MA) factory installed
- Wall mount (WM) option available
- Quick mount arm (QM and QMEA) includes pole adapter and factory installed fixture mount for fast installation to square or round poles

Finish

- Super housing durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is powder coated black
- RAL and custom color matches available
- Coastal Construction (CC) option available

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Up to 1A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

* Supported by IES TM-21 standards
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0ºC	1.02
10ºC	1.01
25ºC	1.00
40ºC	0.99
50ºC	0.97

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Nominal Power Lumens (1.2A)

Supplemental Performance Guide**

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		67	129	191	258	320	382	448	511	575	640
Input Current @ 120V (A)		0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Current @ 208V (A)		0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Current @ 240V (A)		0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Current @ 277V (A)		0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Current @ 347V (A)		0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Current @ 480V (A)		0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics											
T2	4000K Lumens	7,972	15,580	23,245	30,714	38,056	45,541	53,857	61,024	68,072	75,366
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	121	122	119	119	119	120	119	118	118
T2R	4000K Lumens	8,462	16,539	24,680	32,609	40,401	48,348	57,176	64,783	72,266	80,010
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	128	129	126	126	127	128	127	126	125
T3	4000K Lumens	8,125	15,879	23,693	31,307	38,787	46,417	54,893	62,197	69,381	76,818
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	123	124	121	121	122	123	122	121	120
T3R	4000K Lumens	8,306	16,232	24,220	32,001	39,651	47,447	56,114	63,580	70,924	78,523
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	126	127	124	124	124	125	124	123	123
T4FT	4000K Lumens	8,173	15,970	23,831	31,488	39,014	46,686	55,212	62,558	69,783	77,261
	BUG Rating	B1-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	122	124	125	122	122	122	123	122	121	121
T4W	4000K Lumens	8,067	15,764	23,522	31,080	38,510	46,082	54,499	61,751	68,881	76,263
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	120	122	123	120	120	121	122	121	120	119
SL2	4000K Lumens	7,958	15,552	23,206	30,662	37,989	45,462	53,763	60,920	67,952	75,235
	BUG Rating	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	121	121	119	119	119	120	119	118	118
SL3	4000K Lumens	8,124	15,877	23,690	31,302	38,784	46,410	54,885	62,189	69,372	76,805
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	123	124	121	121	121	123	122	121	120
SL4	4000K Lumens	7,719	15,085	22,510	29,741	36,850	44,097	52,148	59,089	65,913	72,977
	BUG Rating	B1-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	115	117	118	115	115	115	116	116	115	114
5NQ	4000K Lumens	8,380	16,375	24,436	32,287	40,003	47,870	56,610	64,144	71,552	79,221
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	127	128	125	125	125	126	126	124	124
5MQ	4000K Lumens	8,534	16,676	24,885	32,881	40,739	48,752	57,653	65,326	72,868	80,679
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	127	129	130	127	127	128	129	128	127	126
5WQ	4000K Lumens	8,556	16,723	24,951	32,968	40,847	48,881	57,808	65,499	73,063	80,894
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	128	130	131	128	128	128	129	128	127	126
SLL/ SLR	4000K Lumens	7,140	13,951	20,817	27,506	34,081	40,783	48,231	54,649	60,959	67,492
	BUG Rating	B1-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	107	108	109	107	107	107	108	107	106	105
RW	4000K Lumens	8,304	16,228	24,215	31,994	39,641	47,437	56,100	63,566	70,907	78,504
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	124	126	127	124	124	124	125	124	123	123
AFL	4000K Lumens	8,335	16,287	24,302	32,110	39,784	47,610	56,303	63,796	71,163	78,790
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	124	126	127	124	124	125	126	125	124	123

*** Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.**

Nominal Power Lumens (1A)

Supplemental Performance Guide**

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.60	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	0.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics											
T2	4000K Lumens	7,267	14,201	21,190	28,000	34,692	41,515	49,096	55,627	62,053	68,703
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	126	128	124	124	125	126	125	124	123
T2R	4000K Lumens	7,715	15,077	22,497	29,725	36,829	44,073	52,122	59,056	65,876	72,937
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	133	136	132	132	132	133	133	131	131
T3	4000K Lumens	7,408	14,475	21,598	28,539	35,358	42,313	50,039	56,698	63,246	70,024
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	128	130	127	127	127	128	127	126	125
T3R	4000K Lumens	7,571	14,798	22,078	29,172	36,145	43,253	51,153	57,959	64,653	71,581
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	131	133	130	130	130	131	130	129	128
T4FT	4000K Lumens	7,451	14,559	21,725	28,703	35,564	42,558	50,330	57,027	63,613	70,430
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	129	131	128	127	128	129	128	127	126
T4W	4000K Lumens	7,354	14,371	21,442	28,333	35,105	42,007	49,681	56,291	62,792	69,521
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	127	129	126	126	126	127	126	125	125
SL2	4000K Lumens	7,254	14,178	21,155	27,951	34,631	41,443	49,011	55,533	61,944	68,584
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	125	127	124	124	124	125	125	124	123
SL3	4000K Lumens	7,406	14,474	21,596	28,534	35,355	42,307	50,033	56,690	63,237	70,014
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	128	130	127	127	127	128	127	126	125
SL4	4000K Lumens	7,037	13,751	20,519	27,112	33,592	40,198	47,538	53,864	60,087	66,524
	BUG Rating	B1-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	119	122	124	120	120	121	122	121	120	119
5NQ	4000K Lumens	7,640	14,928	22,275	29,431	36,465	43,637	51,606	58,472	65,226	72,218
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	132	134	131	131	131	132	131	130	129
5MQ	4000K Lumens	7,779	15,203	22,684	29,973	37,137	44,441	52,555	59,549	66,427	73,545
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	132	135	137	133	133	133	134	134	133	132
5WQ	4000K Lumens	7,800	15,243	22,744	30,052	37,236	44,560	52,697	59,708	66,603	73,742
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	132	135	137	134	133	134	135	134	133	132
SLL/ SLR	4000K Lumens	6,510	12,719	18,977	25,075	31,067	37,176	43,967	49,817	55,569	61,525
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	110	113	114	111	111	112	112	112	111	110
RW	4000K Lumens	7,570	14,793	22,073	29,165	36,137	43,243	51,140	57,945	64,637	71,564
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	128	131	133	130	130	130	131	130	129	128
AFL	4000K Lumens	7,598	14,847	22,154	29,272	36,267	43,400	51,326	58,156	64,872	71,824
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	129	131	133	130	130	130	131	131	129	129

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Nominal Power Lumens (800mA)

Supplemental Performance Guide**

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		44	85	124	171	210	249	295	334	374	419
Input Current @ 120V (A)		0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
Input Current @ 208V (A)		0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
Input Current @ 240V (A)		0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
Input Current @ 277V (A)		0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
Input Current @ 347V (A)		0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
Input Current @ 480V (A)		0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
Optics											
T2	4000K Lumens	5,871	11,474	17,121	22,622	28,029	33,542	39,667	44,944	50,134	55,508
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	133	135	138	132	133	135	134	135	134	132
T2R	4000K Lumens	6,233	12,181	18,176	24,016	29,756	35,608	42,111	47,714	53,224	58,929
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	142	143	147	140	142	143	143	143	142	141
T3	4000K Lumens	5,986	11,695	17,450	23,057	28,568	34,186	40,430	45,809	51,099	56,576
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	136	138	141	135	136	137	137	137	137	135
T3R	4000K Lumens	6,117	11,955	17,838	23,569	29,203	34,946	41,328	46,827	52,235	57,832
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	139	141	144	138	139	140	140	140	140	138
T4FT	4000K Lumens	6,019	11,763	17,551	23,190	28,734	34,384	40,663	46,074	51,396	56,904
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	137	138	142	136	137	138	138	138	137	136
T4W	4000K Lumens	5,942	11,610	17,324	22,891	28,363	33,940	40,138	45,480	50,732	56,169
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	135	137	140	134	135	136	136	136	136	134
SL2	4000K Lumens	5,862	11,454	17,091	22,583	27,980	33,484	39,598	44,867	50,048	55,411
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	133	135	138	132	133	134	134	134	134	132
SL3	4000K Lumens	5,985	11,694	17,447	23,053	28,565	34,182	40,424	45,804	51,092	56,568
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	136	138	141	135	136	137	137	137	137	135
SL4	4000K Lumens	5,685	11,111	16,577	21,905	27,140	32,478	38,409	43,520	48,546	53,748
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	129	131	134	128	129	130	130	130	130	128
5NQ	4000K Lumens	6,172	12,061	17,997	23,778	29,462	35,256	41,694	47,242	52,699	58,347
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	140	142	145	139	140	142	141	141	141	139
5MQ	4000K Lumens	6,285	12,283	18,328	24,217	30,004	35,907	42,462	48,112	53,669	59,421
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	143	145	148	142	143	144	144	144	144	142
5WQ	4000K Lumens	6,303	12,317	18,377	24,281	30,085	36,001	42,575	48,241	53,812	59,579
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	143	145	148	142	143	145	144	144	144	142
SLL/ SLR	4000K Lumens	5,260	10,276	15,332	20,259	25,101	30,037	35,522	40,249	44,898	49,708
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	120	121	124	118	120	121	120	121	120	119
RW	4000K Lumens	6,116	11,952	17,834	23,563	29,196	34,938	41,317	46,817	52,224	57,819
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	139	141	144	138	139	140	140	140	140	138
AFL	4000K Lumens	6,139	11,996	17,899	23,650	29,302	35,064	41,468	46,987	52,412	58,030
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4
	Lumens per Watt	140	141	144	138	140	141	141	141	140	138

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Nominal Power Lumens (600mA)

Supplemental Performance Guide**

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		34	66	96	129	162	193	226	257	290	323
Input Current @ 120V (A)		0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
Input Current @ 208V (A)		0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
Input Current @ 240V (A)		0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
Input Current @ 277V (A)		0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
Input Current @ 347V (A)		0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
Input Current @ 480V (A)		0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
Optics											
T2	4000K Lumens	4,787	9,357	13,961	18,448	22,856	27,353	32,347	36,651	40,884	45,265
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	142	145	143	141	142	143	143	141	140
T2R	4000K Lumens	5,083	9,934	14,822	19,585	24,266	29,038	34,341	38,911	43,404	48,055
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	150	151	154	152	150	150	152	151	150	149
T3	4000K Lumens	4,880	9,537	14,231	18,803	23,296	27,878	32,970	37,358	41,671	46,137
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	144	145	148	146	144	144	146	145	144	143
T3R	4000K Lumens	4,988	9,749	14,547	19,220	23,814	28,497	33,703	38,188	42,598	47,162
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	147	148	152	149	147	148	149	149	147	146
T4FT	4000K Lumens	4,909	9,591	14,312	18,911	23,432	28,040	33,161	37,574	41,913	46,404
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	144	145	149	147	145	145	147	146	145	144
T4W	4000K Lumens	4,845	9,468	14,128	18,668	23,130	27,678	32,732	37,088	41,371	45,805
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	143	143	147	145	143	143	145	144	143	142
SL2	4000K Lumens	4,779	9,341	13,937	18,416	22,818	27,305	32,292	36,589	40,813	45,188
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	141	142	145	143	141	141	143	142	141	140
SL3	4000K Lumens	4,879	9,536	14,229	18,800	23,294	27,874	32,965	37,351	41,666	46,130
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	144	144	148	146	144	144	146	145	144	143
SL4	4000K Lumens	4,637	9,059	13,519	17,863	22,132	26,486	31,322	35,490	39,589	43,831
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	136	137	141	138	137	137	139	138	137	136
5NQ	4000K Lumens	5,033	9,835	14,676	19,392	24,026	28,751	34,002	38,526	42,975	47,581
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	148	149	153	150	148	149	150	150	148	147
5MQ	4000K Lumens	5,126	10,015	14,946	19,747	24,468	29,281	34,628	39,236	43,766	48,457
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	151	152	156	153	151	152	153	153	151	150
5WQ	4000K Lumens	5,139	10,043	14,985	19,801	24,533	29,359	34,721	39,339	43,883	48,586
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	151	152	156	153	151	152	154	153	151	150
SLL/ SLR	4000K Lumens	4,289	8,380	12,502	16,520	20,469	24,494	28,967	32,823	36,613	40,537
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	126	127	130	128	126	127	128	128	126	126
RW	4000K Lumens	4,987	9,746	14,543	19,215	23,808	28,491	33,695	38,178	42,587	47,151
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	148	151	149	147	148	149	149	147	146
AFL	4000K Lumens	5,007	9,782	14,597	19,285	23,896	28,594	33,817	38,317	42,742	47,322
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	147	148	152	149	148	148	150	149	147	147

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Control Options

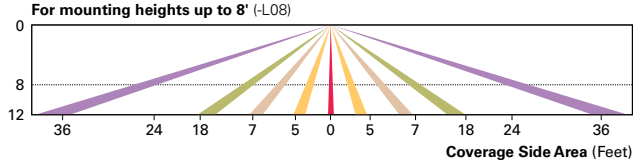
0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR and PR7)
Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

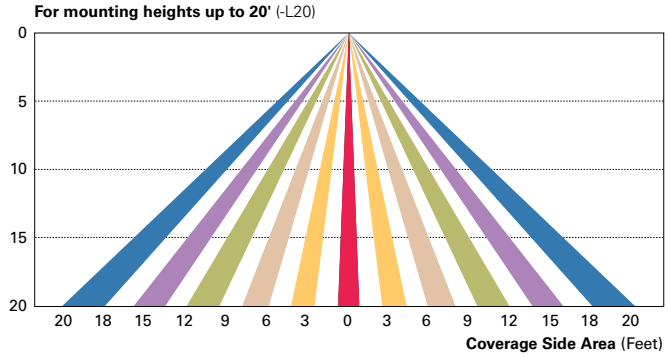
After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX, MS/X-LXX and MS-LXX)
These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.

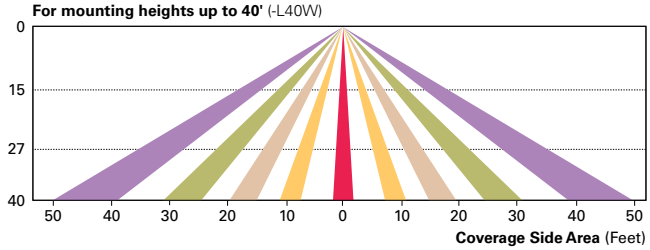
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)

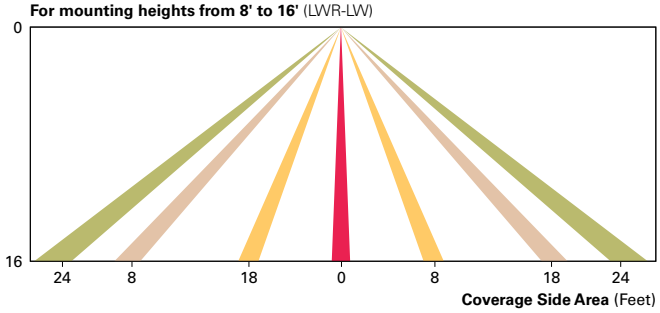


For mounting heights up to 40' (-L40W)

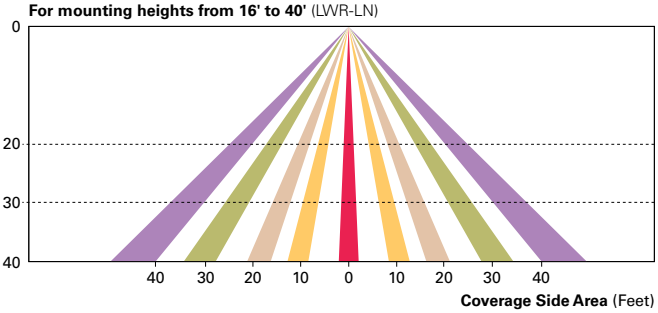


Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN)
Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.

For mounting heights from 8' to 16' (LWR-LW)



For mounting heights from 16' to 40' (LWR-LN)



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)
The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

AirMesh (DIM10)
AirMesh integrated wireless controls system includes factory installed DIM10 Synapse control module and FSP-201 motion sensor, requires additional AirMesh components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.

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Specifications and dimensions
subject to change without notice.

26 56 00 EXTERIOR LIGHTING

PART 1 - GENERAL

1.1 Work includes a complete system of exterior lighting including luminaires, lamps, poles, bases, conduit, conductors, fusing, control devices, etc. as shown on drawings. Include all excavation, backfill, concrete bases and concrete encasement of underground conduits.

1.2 The catalog numbers listed on the schedule do not necessarily have complete prefix and suffix designations for placing the luminaire order. The Contractor shall verify these numbers and include in their bid the necessary plaster frames, accessories, trim, mounting hardware, etc. to achieve a coordinated installation with ceiling types indicated on the architectural drawings and in specifications. The Contractor shall provide any hardware indicated by notes on the fixture schedule.

1.3 Luminaires, ballasts and individual components shall bear UL label. All ballasts and drivers including compact fluorescents shall be high efficiency and high power factor (HPF).

PART 2 - PRODUCTS

2.1 Refer to data on the drawings for fixture details.

PART 3 - EXECUTION

3.1 Concrete bases for standards shall be round above finish grade, chamfered corners and rubbed finish. Furnish anchor bolts as recommended by the manufacturer. Concrete bases shall be poured-in-place at the job site; steel reinforced concrete, minimum 3500 lb. test.

3.2 Provide a surge arrester behind the handhole in pole base of each lighting standard exceeding 15 ft. in height and connect to each phase conductor and 0.625 inches diameter by 10 ft. long copper clad driven ground rod providing a good grounding path. Connect the equipment grounding conductor to this grounding terminal. A separate ground rod is required for each lighting standard exceeding 15 ft. in height. Surge arresters shall be Thomas Research Products BSPS series or Hubbell FSP3 series. Install per NEC Article 280.

3.3 Provide Buss "KTK" fuses in HEB waterproof in-line holder ahead of the ballast in each "hot" leg; locate behind handhole in pole base.

3.4 Note these special installation procedures – never install a pole without the intended luminaire in place. Poles are designed to carry a load, and a pole cannot be installed before the luminaire is mounted because of the potential for damaging the pole from unwanted vibrations.

3.5 Mount standards truly vertical. Shim and grout under fixture base to level standards; visible shims will not be permitted. Provide anchor bolt covers.

3.6 Splicing shall be made with listed and approved, waterproof splicing kits and shall be located in base of poles behind handhole.

3.7 Install a green wire ground throughout the underground wiring system, and bond to all standards.

3.8 Measure illumination levels to verify conformance to Performance Requirements.

3.9 Take measurements during night sky, without moon or with heavy overcast clouds effectively obscuring moon.

END OF SECTION

NOTES & REFERENCES:

1. LEXINGTON COUNTY TAX MAP 000721-02-017. ZONED GC - GENERAL COMMERCIAL.
   SETBACKS PER TOWN OF CHAPIN ZONING ORDINANCE:
   MINIMUM FRONT YARD DEPTH:
   LOTS ON S-48 (COLUMBIA AVENUE): THIRTY (30) FEET
   ALL OTHER LOTS: FIFTEEN (15) FEET
   MINIMUM SETBACK FROM SECOND STREET FRONTAGE:
   SIDE STREET ON CORNER LOT: SEVEN (7) FEET
   REAR STREET ON DOUBLE FRONTAGE LOT: FIFTEEN (15) FEET
   MINIMUM SIDE YARD: NO MINIMUM
   MINIMUM REAR YARD: NO MINIMUM

2. SURVEY OF 24.77 ACRES PREPARED FOR CHAPIN & LEX, LLC BY CIVIL ENGINEERING OF COLUMBIA DATED NOVEMBER 24, 2014. JOB# 14023.

3. I HEREBY CERTIFY THAT I HAVE CONSULTED THE FEMA FLOOD INSURANCE RATE MAP #45063C 0040 G, EFFECTIVE DATE FEBRUARY 9, 2000, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE SUBJECT PROPERTY IS WITHIN UNSHADED ZONE X, NOT A DESIGNATED 100-YEAR FLOOD PRONE AREA.

4. THE INFORMATION SHOWN ON THIS SHEET WAS DERIVED FROM A FIELD RUN SURVEY. OBVIOUS AND APPARENT FEATURES ENCOUNTERED ARE INCLUDED ON THIS SHEET. RELATED, REFERENCED INFORMATION WAS ALSO USED. UNLESS STATED HEREON, NO TITLE SEARCH WAS PERFORMED BY CIVIL ENGINEERING OF COLUMBIA, AND SOME EASEMENTS OR OTHER MATTERS OF RECORD MAY NOT APPEAR. THIS SHEET WAS PREPARED FOR A SPECIFIC CLIENT TO BE USED FOR A SPECIFIC PURPOSE. USE BY ANY OTHER PARTY, WITHOUT WRITTEN CONSENT, IS UNAUTHORIZED.

5. WETLANDS SHOWN WERE IDENTIFIED BY LEWIS WILDLIFE & WETLAND CONSULTING.

6. ALL PROPERTY CORNERS ARE NEW #5 REBAR UNLESS STATED OTHERWISE.

7. OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK ALL OVER SITE BECAUSE PROJECT IS UNDER CONSTRUCTION.

8. CHANGES IN STREET RIGHT OF WAY LINES SHOWN.

9. NO OBSERVED EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR LANDFILL.

10. PARKING SPACES: 315 REGULAR
    13 HANDICAP
    328 TOTAL

SCHEDULE B - SECTION II EXCEPTIONS

STEWART TITLE GUARANTY COMPANY. EFFECTIVE DATE SEPTEMBER 10, 2015

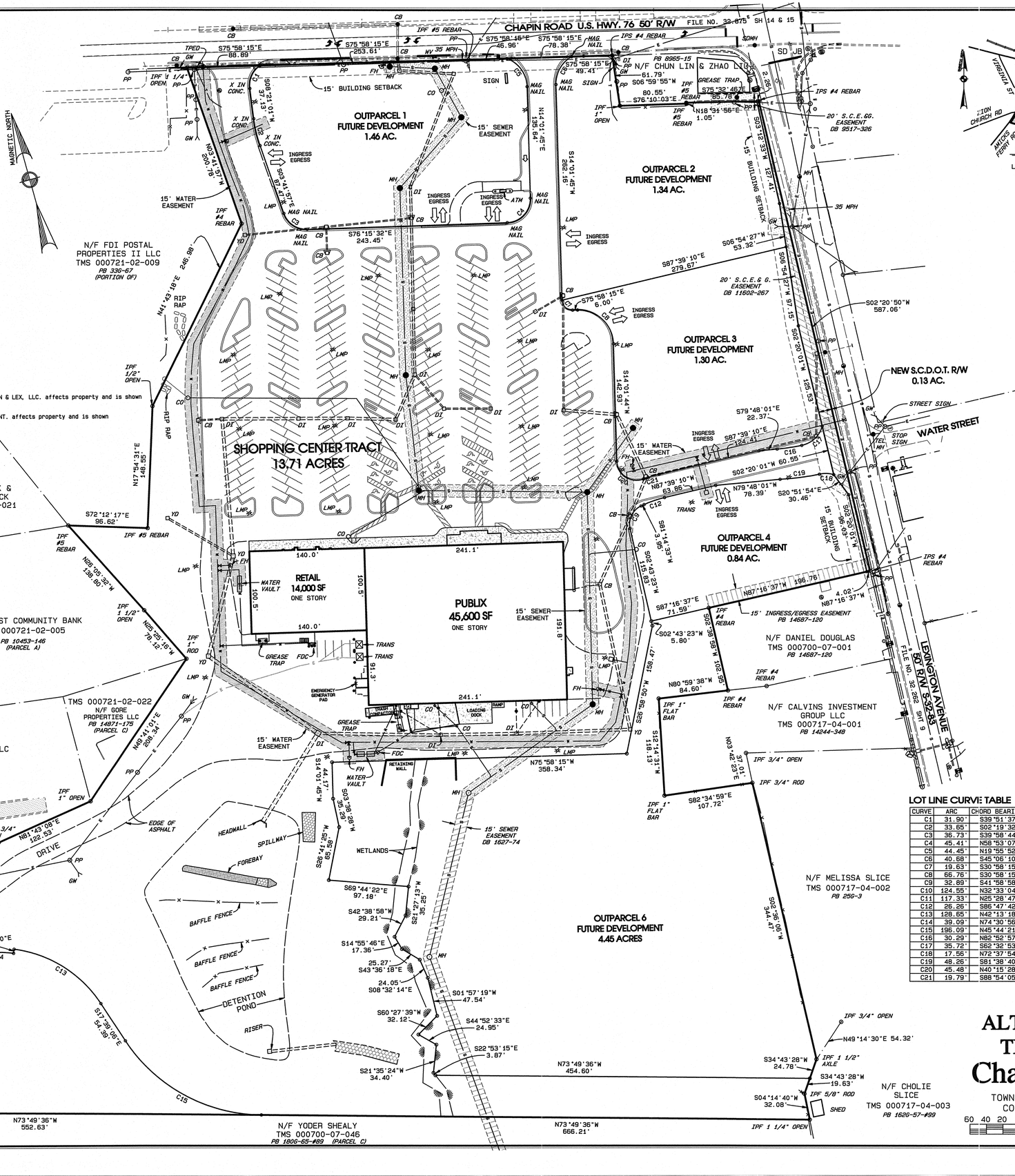
10. AS TO OUTPARCEL 1: CANCELLED
11. AS TO OUTPARCEL 1: CANCELLED
12. AS TO OUTPARCEL 1: CANCELLED
13. AS TO OUTPARCEL 2: 20' SCE&G EASEMENT FILED IN BOOK DB 9517 AT PAGE 326. affects property and is shown
14. AS TO OUTPARCEL 3: 20' SCE&G EASEMENT FILED IN BOOK DB 11602 AT PAGE 267. affects property and is shown
15. AS TO OUTPARCEL 3: PROPOSED 15' WATER EASEMENT TO BE RECORDED. affects property and is shown
16. AS TO OUTPARCEL 4: 15' INGRESS/EGRESS EASEMENT FILED IN PLAT BOOK PB 14687 AT PAGE 120. affects property and is shown
17. AS TO OUTPARCEL 5: 20' SCE&G EASEMENT FILED IN BOOK DB 1057 AT PAGE 242. affects property and is shown
18. AS TO OUTPARCEL 6: A PORTION IS CANCELLED
19. AS TO OUTPARCEL 6: WETLANDS SHOWN ON PRELIMINARY PLAT PREPARED BY CIVIL ENGINEERING OF COLUMBIA (JOB NO.14023) FOR CHAPIN & LEX, LLC. affects property and is shown
20. AS TO SHOPPING CENTER TRACT: CANCELLED
21. AS TO SHOPPING CENTER TRACT: CANCELLED
22. AS TO SHOPPING CENTER TRACT: 20' SCE&G EASEMENT FILED IN BOOK DB 11003 AT PAGE 47 TO BE RELOCATED UPON PROJECT DEVELOPMENT. affects property and is shown
23. AS TO SHOPPING CENTER TRACT: PROPOSED 15' SEWER EASEMENT TO BE RECORDED. affects property and is shown
24. AS TO SHOPPING CENTER TRACT: PROPOSED 15' WATER EASEMENT TO BE RECORDED. affects property and is shown
25. EASEMENT TO SCE&G RECORDED IN BOOK 17868 AT PAGE 277. affects property but is unlocatable and/or blanket in nature

TO CHAPIN & LEX, LLC,
STEWART TITLE GUARANTY COMPANY,
SUNTRUST BANK, ITS SUCCESSORS AND/OR ASSIGNS:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6b, 7a, 7c, 8, 9, 10a, 11a, 13, 16, 17, 18, 19 AND 21 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON SEPTEMBER 27, 2016. SAID DESCRIBED PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION UNSHADED ZONE X BY THE SECRETARY OF HOUSING AND URBAN DEVELOPMENT, ON FLOOD INSURANCE RATE MAP NO. 45063C 0040 G, WITH A DATE OF IDENTIFICATION OF FEBRUARY 9, 2000, FOR COMMUNITY NUMBER 450129, IN LEXINGTON COUNTY, STATE OF SOUTH CAROLINA, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED.

I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY.

Charles D. Meeler 10-31-16
CHARLES D. MEELER P.L.S. #12246


CHAPIN ROAD U.S. HWY. 76 50' R/W
FILE NO. 32-875 SH 14 & 15
OUTPARCEL 1
FUTURE DEVELOPMENT
1.46 AC.
OUTPARCEL 2
FUTURE DEVELOPMENT
1.34 AC.
OUTPARCEL 3
FUTURE DEVELOPMENT
1.30 AC.
OUTPARCEL 4
FUTURE DEVELOPMENT
0.84 AC.
OUTPARCEL 5
FUTURE DEVELOPMENT
1.55 ACRES
OUTPARCEL 6
FUTURE DEVELOPMENT
4.45 ACRES
SHOPPING CENTER TRACT
13.71 ACRES
RETAIL
14,000 SF
ONE STORY
PUBLIX
45,600 SF
ONE STORY
15' BUILDING SETBACK
15' SEWER EASEMENT
15' WATER EASEMENT
INGRESS EGRESS
N/F FDI POSTAL PROPERTIES II LLC
TMS 000721-02-009
PB 336-67
(PORTION OF)
N/F FREDERICK & SALLY DOMINICK
TMS 000721-02-021
PB 10453-146
(PARCEL B)
N/F FIRST COMMUNITY BANK
TMS 000721-02-005
PB 10453-146
(PARCEL A)
TMS 000721-02-022
N/F GORE PROPERTIES LLC
PB 14871-175
(PARCEL C)
N/F GORE PROPERTIES LLC
TMS 000721-02-006
PB 14871-175
(PARCEL B)
N/F YODER SHEALY
TMS 000700-07-046
PB 1806-65-#89 (PARCEL C)
N/F CHUN LIN & ZHAO LI
PB 8965-15
N/F DANIEL DOUGLAS
TMS 000700-07-001
PB 14687-120
N/F CALVINS INVESTMENT GROUP LLC
TMS 000717-04-001
PB 14244-348
N/F MELISSA SLICE
TMS 000717-04-002
PB 256-3
N/F CHOLIE SLICE
TMS 000717-04-003
PB 1626-57-#99
NEW S.C.D.O.T. R/W
0.13 AC.
WATER STREET
LEXINGTON AVENUE
50' R/W S-32-33
FILE NO. 32-252 SHT 9
ZION CHURCH ROAD
LEXINGTON COUNTY R/W
AMICKS FERRY ROAD 50' R/W S-32-51
FILE NO. 32-304 SHT 6 & 7
PUBLIX ENTRANCE DRIVE
STOP SIGN
SIGN
WETLANDS
BASIN
HEADWALL
SPILLWAY
FOREBAY
BAFFLE FENCE
DETENTION POND
RISER
RETAINING WALL
EDGE OF ASPHALT
GREASE TRAP
FDC
TRANS
EMERGENCY GENERATOR PAD
TRASH COMPACTOR
LOADING DOCK
RAMP
WATER VAULT
RIP RAP
20' S.C.E.&G. EASEMENT DB 9517-326
20' S.C.E.&G. EASEMENT DB 11602-267
20' S.C.E.&G. EASEMENT DB 1057-242
15' SEWER EASEMENT DB 1627-74
15' INGRESS/EGRESS EASEMENT PB 14687-120
SOUTH 2.26'
SOUTH 127.41'
SOUTH 282.15'
SOUTH 118.13'
SOUTH 156.47'
SOUTH 102.95'
SOUTH 44.17'
SOUTH 503.29'
SOUTH 68.38'
SOUTH 142.93'
SOUTH 344.47'
SOUTH 520.10'
SOUTH 156.59'
SOUTH 115.63'
SOUTH 241.1'
SOUTH 140.0'
SOUTH 100.5'
SOUTH 136.16'
SOUTH 196.76'
SOUTH 71.59'
SOUTH 102.95'
SOUTH 84.60'
SOUTH 107.72'
SOUTH 5.80'
SOUTH 30.46'
SOUTH 22.37'
SOUTH 60.55'
SOUTH 63.86'
SOUTH 78.39'
SOUTH 124.41'
SOUTH 279.67'
SOUTH 53.32'
SOUTH 587.06'
SOUTH 6.00'
SOUTH 49.41'
SOUTH 46.96'
SOUTH 78.38'
SOUTH 253.61'
SOUTH 88.89'
SOUTH 67.47'
SOUTH 243.45'
SOUTH 230.76'
SOUTH 245.99'
SOUTH 122.53'
SOUTH 204.37'
SOUTH 123.19'
SOUTH 5.00'
SOUTH 81.76'
SOUTH 138.80'
SOUTH 78.12'
SOUTH 208.34'
SOUTH 96.62'
SOUTH 142.93'
SOUTH 454.60'
SOUTH 668.21'
SOUTH 552.63'
SOUTH 5.82'
SOUTH 54.39'
SOUTH 34.40'
SOUTH 3.87'
SOUTH 24.95'
SOUTH 47.54'
SOUTH 32.12'
SOUTH 24.05'
SOUTH 17.36'
SOUTH 25.27'
SOUTH 29.21'
SOUTH 97.18'
SOUTH 35.25'
SOUTH 32.08'
SOUTH 24.78'
SOUTH 19.63'
SOUTH 34.32'
SOUTH 54.32