



DESIGN REVIEW BOARD APPLICATION

**Administered by:
Design Review Board**

Property Address*: 371 South Main St

Applicant Name & Mailing Address: Steve Carter P.O. Box 172063 Memphis, TN 38187

Applicant Phone Number: 601-383-6851 Applicant Fax Number: n/a

Property Owner's Name & Mailing Address: Miguel Gomez 6052 Memphis Arlington Rd Bartlett, TN 38135

Property Owner's Phone Number: 901-335-7457

The proposed work consists of the following (check all that apply):

- Sign Renovation
New Building Other Exterior Alteration

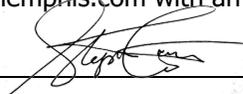
Project Description:

The facility will be fully renovated and tenant ready for commercial use on the first and second floor. An exterior stair will be added so that the upper and lower floors may be lease by multiple tenants if desired. All doors and windows will be replaced with historically appropriate high quality construction; architectural lighting will be added along South Main and Talbot, brick will be cleaned and repaired in the gentlest means possible, and ghost signage preserved; landscaped rear courtyard will include colored and stamped concrete, a new exterior stair, wrought iron fencing, landscape and irrigation; a concrete parking lot will be added, and the Talbot sidewalk will be replaced; an ADA compliant entrance will be added on Talbot street.

Status of Project:

The project was approved for an EIG at the 10/21/20 CCDC Meeting. The designs for the building were approved at the 11/04/20 DRB meeting. **This application is for the exterior lighting component.**

A complete application must be submitted to the Development Department no later than two weeks before a regularly scheduled meeting of the Design Review Board. Please contact Abe Lueders at (901)575-0565 or alueders@downtownmemphis.com with any questions and to submit an application.

Owner/Applicant Signature: 

Date: 10/21/2020

*Applications for properties that are located within a Landmarks Historic District may require additional approval from the Landmarks Commission. Please contact the Shelby County Division of Planning & Development at (901) 576-6601 for more information.



Brett Ragsdale
Deputy Administrator
Land Use and Development Services
Division of Planning and Development
125 N. Main St, Ste. 468
Memphis, TN 38103

RE: 371 South Main, Exterior Lighting

A2H # 19545

Dear Brett,

We appreciate you and Katie meeting with our team to discuss our proposed exterior lighting for 371 South Main Street. As discussed, I'd like to provide a deeper dive into the rationale for the scheme proposed. We have also included more detailed exterior drawings to better visualize the improvements.

Following our meeting with the DMC DRB, we revisited the lighting design, and looked at a number of other options. Ultimately, we have chosen to advocate for our original scheme, but I would like to share our thinking.

Historical Context: The original construction predated electrically illuminated buildings. Even the "modern" addition in the late 1800's probably stood with gas lighting for generations before any electrical lights were added. Actual gas lighting is not a practical option.

We did look at period lighting, but with the awareness that the period of the building and the period of the lighting would not align. Our preference was to either show:

- Contemporary, expressive lighting as a decorative feature element
- Subtle, nuanced lighting that accents the building's architecture, but with fixtures that are not feature elements themselves

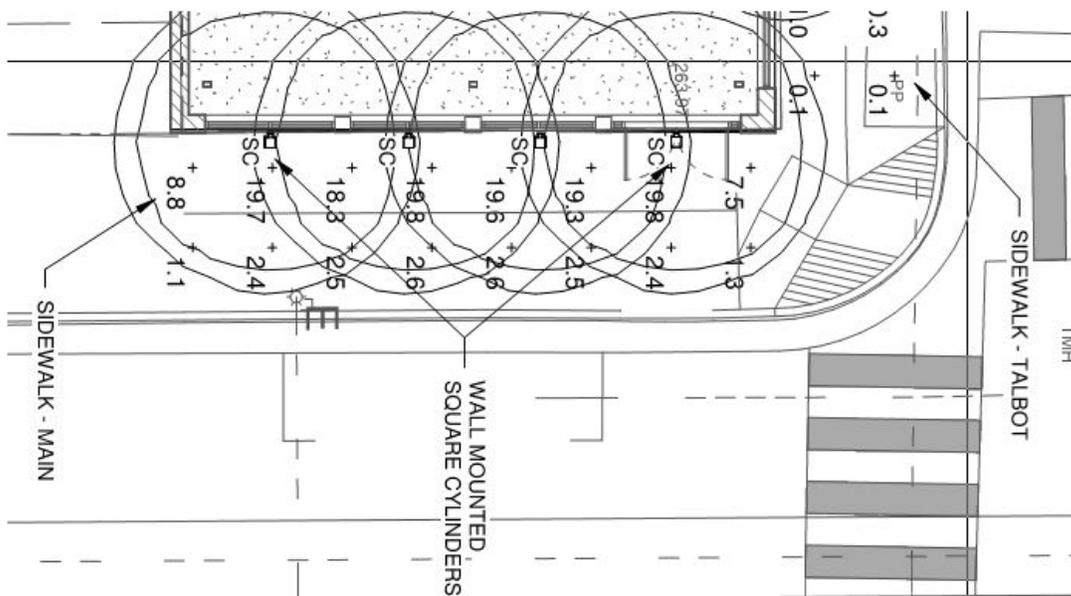
The expressive option was paired with other feature elements such as a canopy, planters, a mural, etc. but these discretionary items proved cost prohibitive. The expressive lighting, without other features, seemed out of place and additive.

Subtle lighting, without an expressive fixture, seemed more appropriate. Our goals are the following.

- Light should be cast in "pools" rather than "washing" the wall. This will create a rhythm that complements the rhythm of the façade. In this case we are centering light pools on the 4 main windows at the ground floor level.

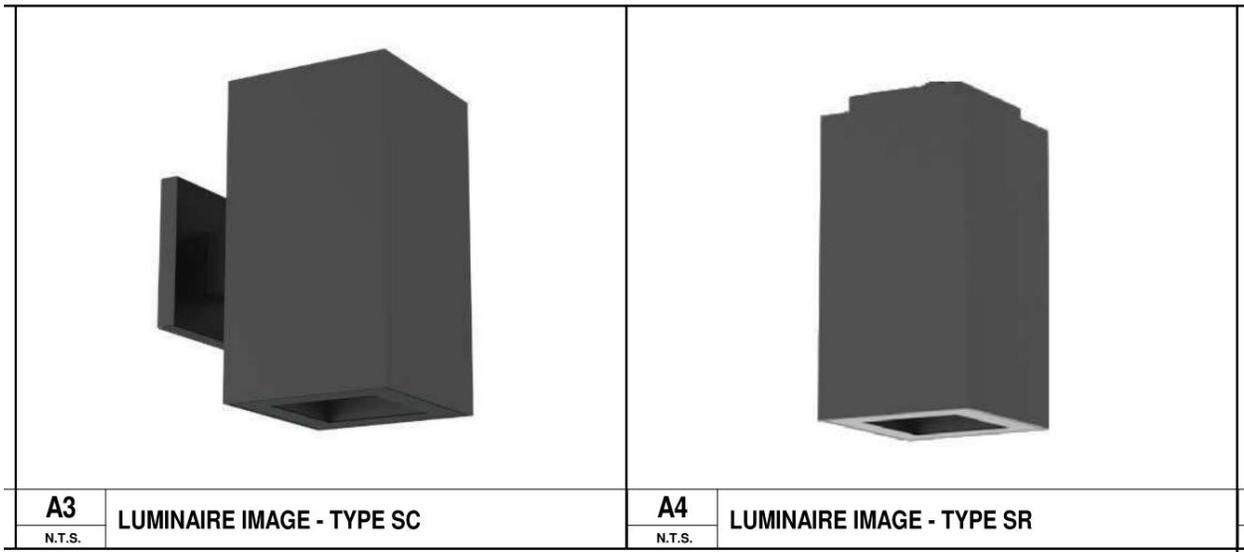
- The fixture itself should not be a feature; rather it should more or less disappear during daylight hours, and let the original façade stand on its own.

This elevation and photometric study below illustrate how this will work:



- Additionally, fixtures on the Talbot façade should match (or compliment) those visible from main street on the north façade. The selected fixture seems appropriate for both facades, whereas a decorative lighting fixture would likely be inappropriate on the Talbot façade.

- Finally, the proposed fixture includes a down-light variant appropriate for the courtyard / rear balcony. Again, they are unobtrusive, and do not seek to draw attention away from the building itself, and present a cohesive lighting package.



Thank you again for the opportunity to better articulate our thoughts on the lighting design. We look forward to further dialogue!

Sincerely,



Brad Schmiedicke AIA
Senior Architect

CC: Katie Flynn – Downtown Memphis Commission

GOMEZ FAMILY 371 SOUTH MAIN STREET REDEVELOPMENT

A2H ENGINEERS
ARCHITECTS
PLANNERS

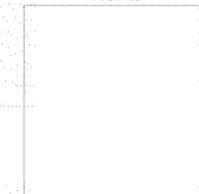


MEMPHIS LANDMARKS
COA SUBMITTAL AND
DMC DRB REBUBMITTAL

NOVEMBER 18 2020

PROJECT NUMBER 19545

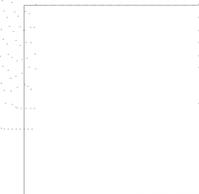
ARCHITECT



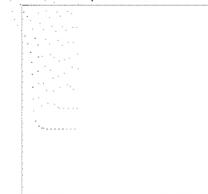
CIVIL ENGINEER



STRUCTURAL ENGINEER



ME / PE ENGINEER



ELECTRICAL ENGINEER



371 SOUTH MAIN STREET, MEMPHIS, TN 38103

A2H, INC.
3009 DAVIES PLANTATION ROAD
LAKELAND, TN 38002
P. 901.372.0404
WWW.A2H.COM

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GOMEZ FAMILY

371 SOUTH MAIN STREET REDEVELOPMENT

371 SOUTH MAIN STREET, MEMPHIS, TN 38103

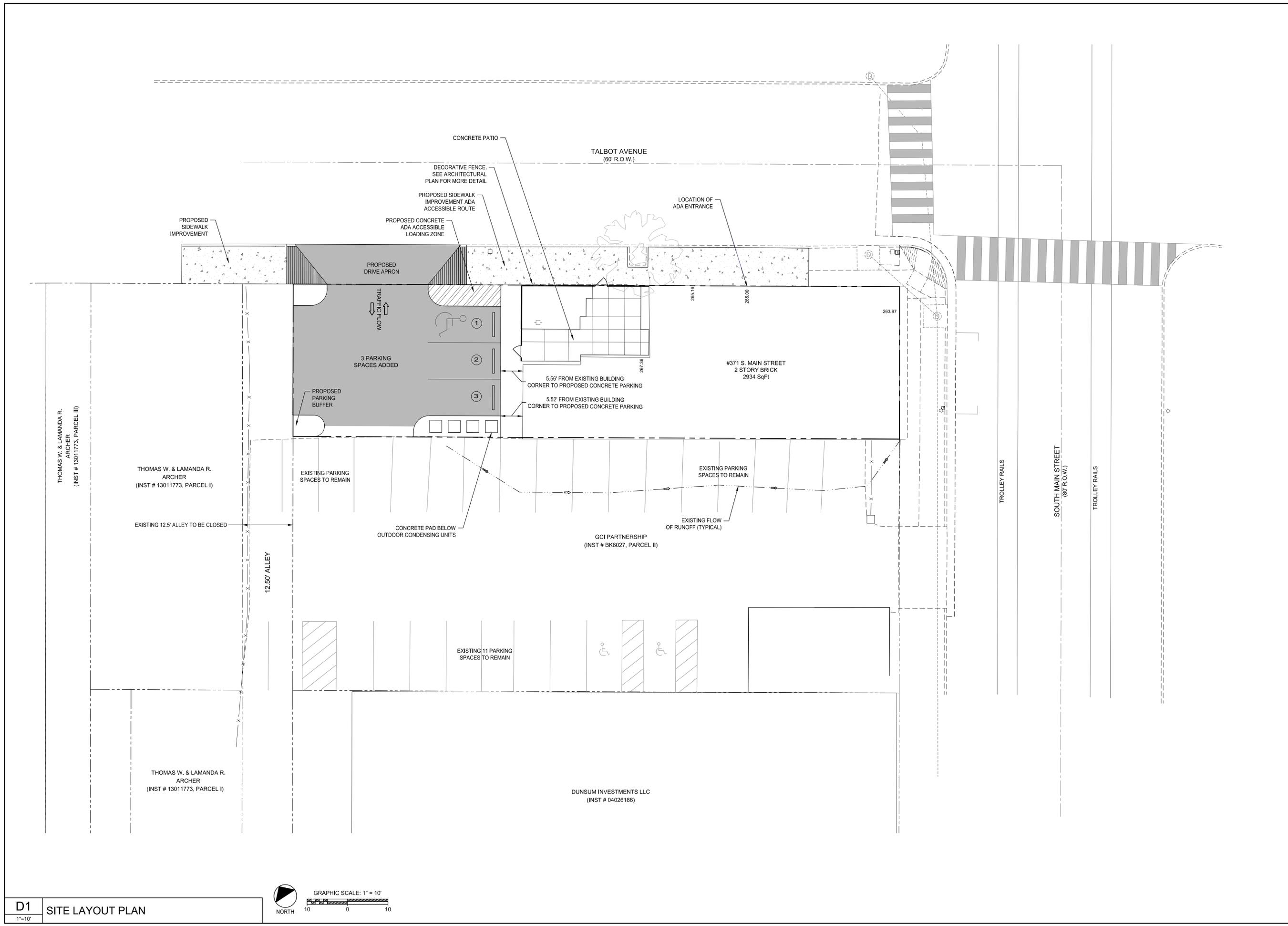
DESIGN DEVELOPMENT
PROGRESS SET

REVISIONS

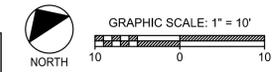
PROJECT NO. 19545	DATE AUGUST 19, 2020
DRAWN SSM	CHECKED BE

SITE LAYOUT PLAN

C2.0



D1
1"=10'
SITE LAYOUT PLAN



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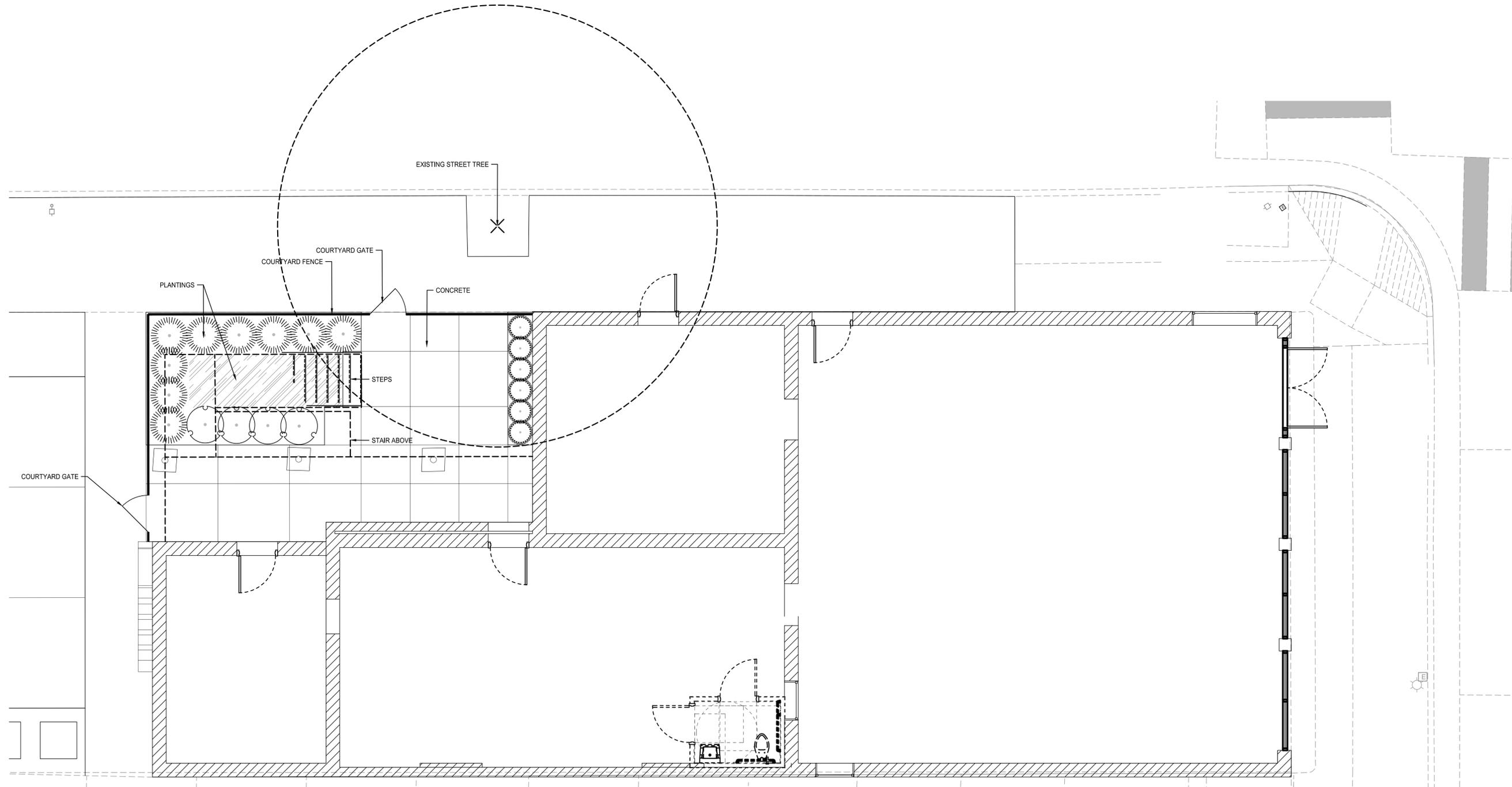


FENCE OPTIONS



STAMPED CONCRETE BRICK PATTERNS

STAMPED CONCRETE - SLATE PATTERNS



1/20/19 10:45:04 Landscape\Design\Courtyard\2020\08-23_Courtyard.dwg
 0/0/0 23 Sep 2020 - 3:17pm
 0/0/0 SCALE: 1/4"=1'-0"

D1 HARDSCAPE PLAN



GRAPHIC SCALE: 1" = 4'



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NEW CONCRETE PATIO OVER A BED OF COMPACTED SAND AND REGRADED EARTH. CONCRETE COLORING, STAMPING, AND SCORING.

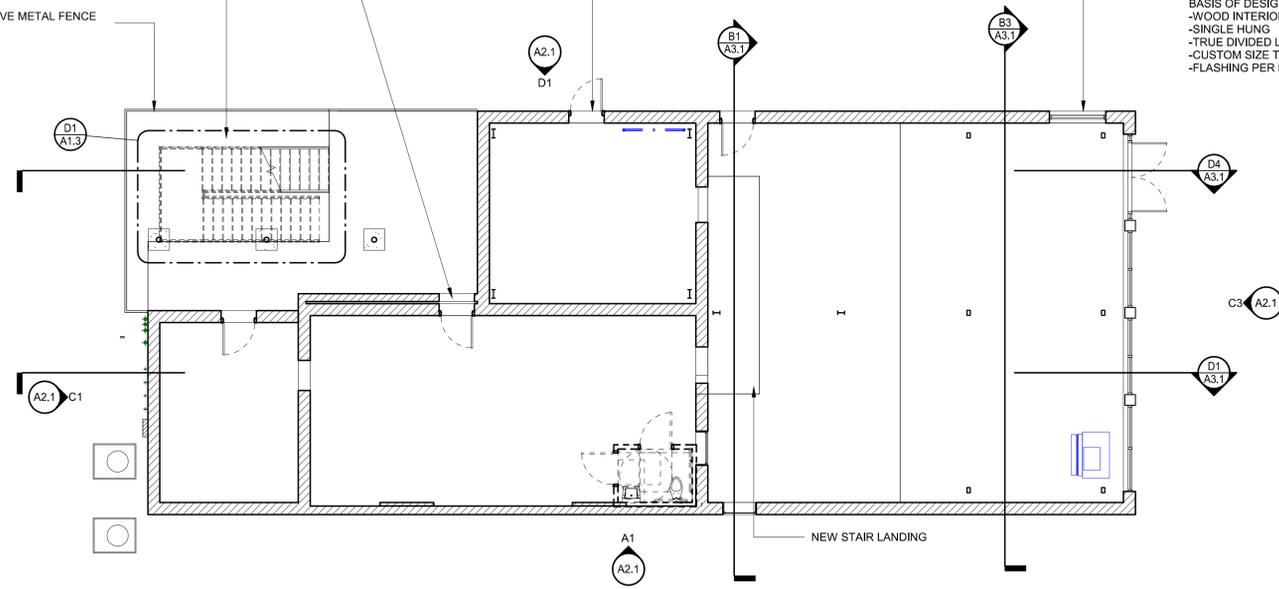
7" DECORATIVE METAL FENCE AND GATE

ALL EXISTING WOOD DOORS TO BE REMOVED & REPLACED - TYP.

EXISTING WOOD INFILL TO BE REMOVED, REPLACE WITH NEW ALUMINUM CURTAIN WALL TO MATCH FRONT ELEVATION

ALL EXISTING WOOD DOORS TO BE REPLACED.
BASIS OF DESIGN -
-COMMERCIAL EXTERIOR ENTRY DOOR
-WOOD INTERIOR, WOOD CORE, ALUMINUM EXTERIOR
-CUSTOM SIZE & PANEL CONFIGURATION TO MATCH EXISTING
-STANDARD COMMERCIAL HARDWARE
-FLASHING PER MANUFACTURER FOR SOLID MULTI-WYTHE MASONRY WALL

ALL EXISTING WOOD WINDOWS TO BE REPLACED.
BASIS OF DESIGN -
-WOOD INTERIOR, WOOD CORE, WOOD EXTERIOR
-SINGLE HUNG
-TRUE DIVIDED LITE, TO MATCH EXISTING CONFIGURATION
-CUSTOM SIZE TO MATCH EXISTING
-FLASHING PER MANUFACTURER FOR SOLID MULTI-WYTHE MASONRY WALL



B1 FLOOR PLAN - DIMENSIONED

1/8" = 1'-0"



SEAL EXISTING CONCRETE DECK

MODIFY EXISTING GUARD RAIL TO ACCOMMODATE NEW STAIR LANDING

ALL EXISTING WOOD DOORS TO BE REMOVED & REPLACED - TYP.

ALL EXISTING WOOD WINDOWS TO BE REMOVED & REPLACED - TYP.

WALL TYPE LEGEND

HEIGHT

r EXTEND TO ROOF DECK ABOVE
f EXTEND TO FLOOR DECK ABOVE
c 1'-0" ABOVE HIGHEST ADJACENT CEILING
h1 10'-8" (HEIGHT AFF)
h2 11'-4" (HEIGHT AFF)
h3 12'-8" (HEIGHT AFF)

CORE INSULATION
(FILL ENTIRE CAVITY U.N.O.)

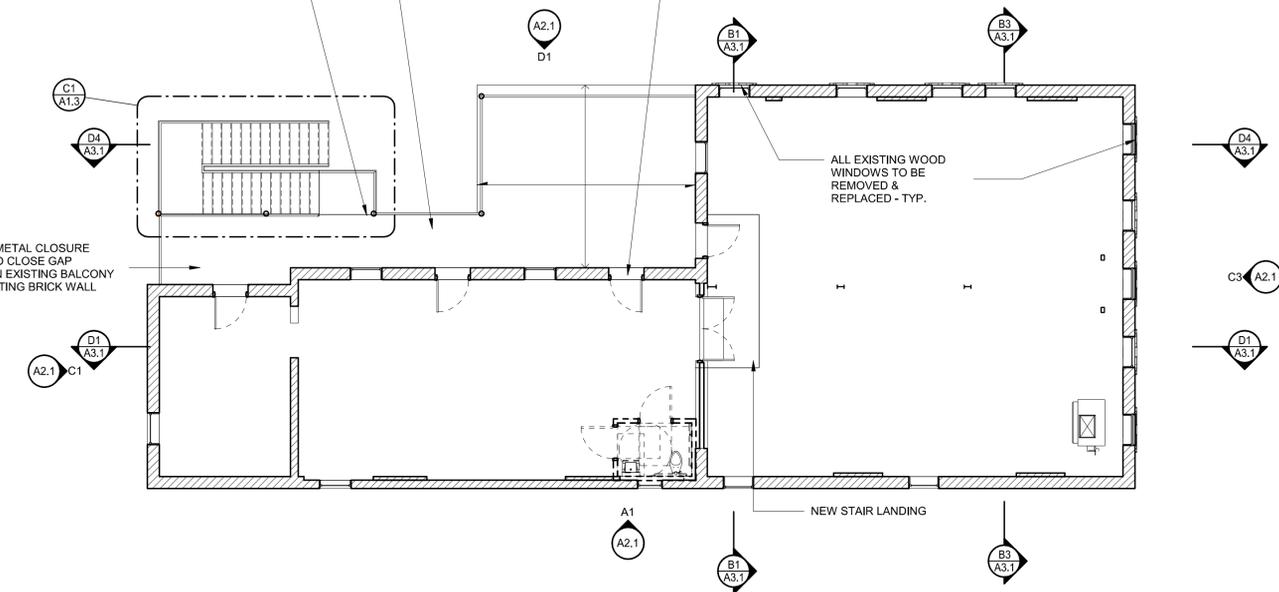
s SOUND ATTENUATING FIBERGLASS BATTS
t THERMAL FIBERGLASS BATTS
f FOAM FILL (UNGROUTED MASONRY CORES)

WALL TYPES NOTES:

WALL TYPE MARK

WALL TYPE MARK
WALL HEIGHT DESIGNATION
CORE INSULATION

WALL TYPE MARK LEADER IS ORIENTED TO EXTERIOR SIDE OF WALL. INTERIOR WALLS ARE ASSIGNED AN "EXTERIOR FACE" FOR SCHEDULING PURPOSES.



D1 FLOOR PLAN - SECOND FLOOR - DIMENSIONED

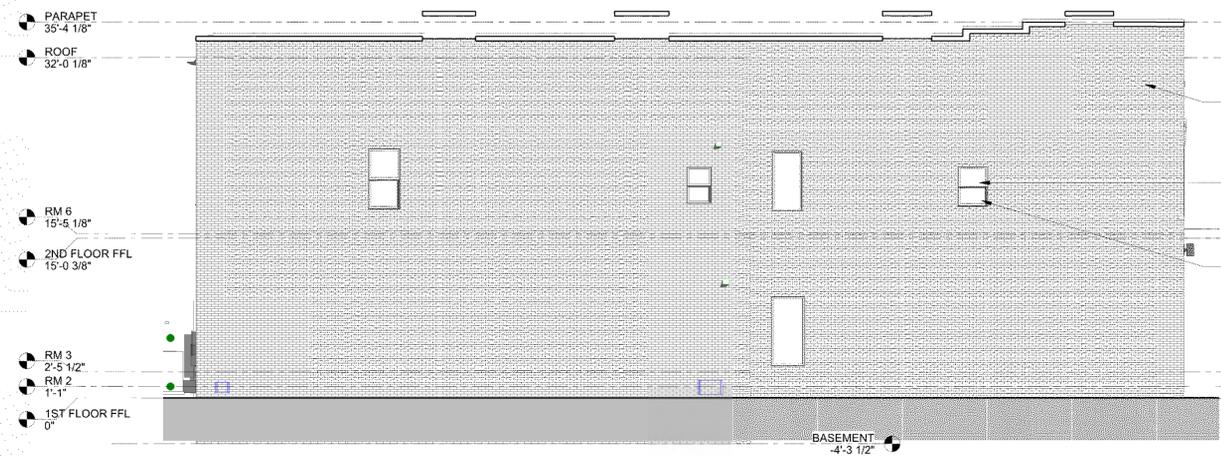
1/8" = 1'-0"



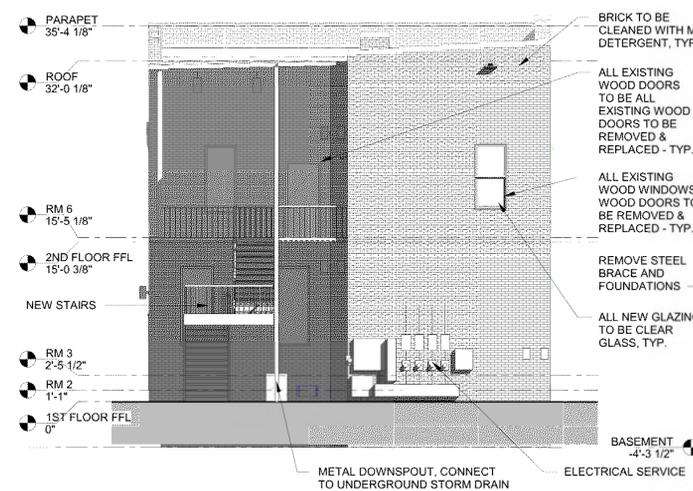
WALL MARK	WALL THICKNESS	WALL CONSTRUCTION				FIRE RATING		NOTES
		EXTERIOR FINISH	EXTERIOR SUBSTRATE	CORE	INTERIOR SUBSTRATE	RATING	UL ASSEMBLY	
P2	4 7/8"	5/8" GYP. BD.	-	3-5/8" MTL. STUDS @ 16" O.C. MAX.	-	5/8" GYP. BD.		

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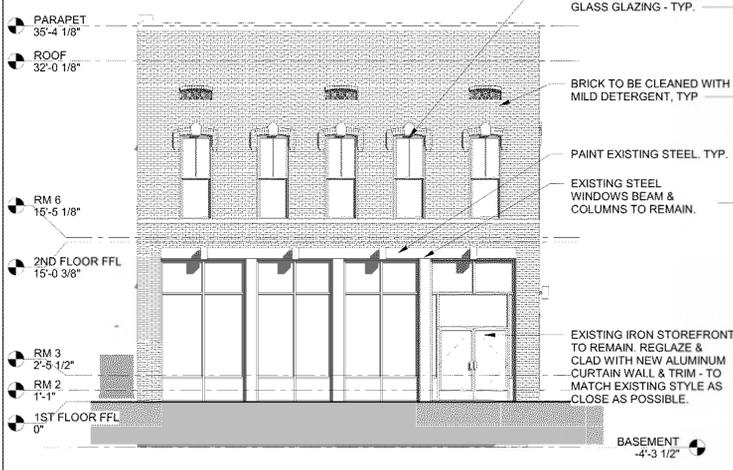
A1 EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"



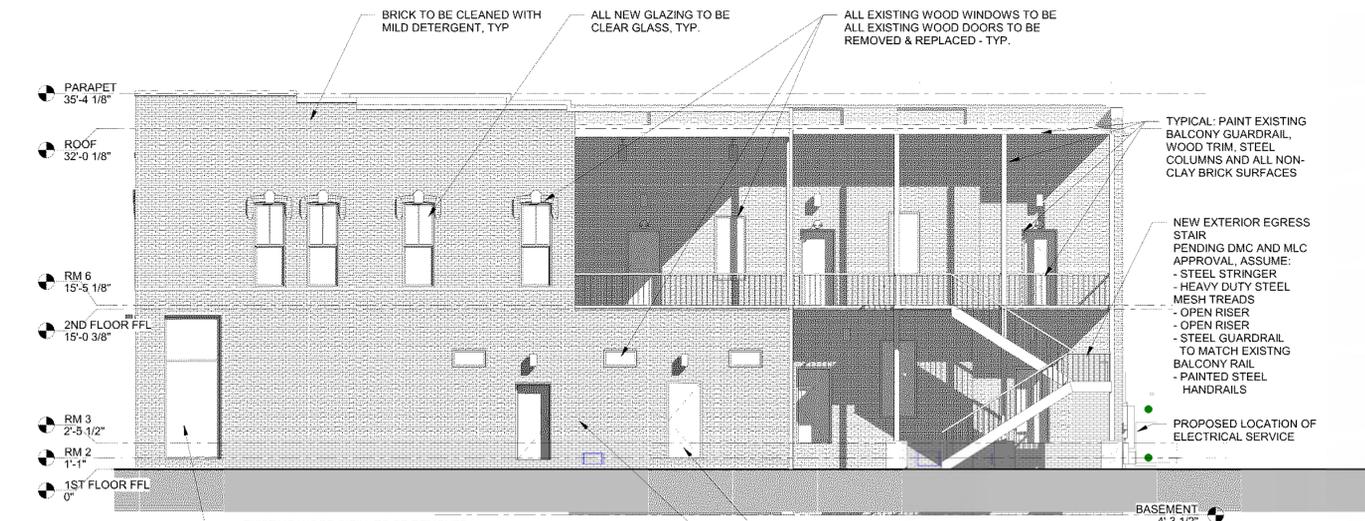
C1 EXTERIOR ELEVATION - WEST
1/8" = 1'-0"



EXISTING EXTERIOR STRUCTURE TO BE REMOVED



C3 EXTERIOR ELEVATION - EAST
1/8" = 1'-0"



D1 EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"



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ALL NEW GLAZING TO BE CLEAR GLASS, TYP.

PLASTER TO BE CLEANED WITH MILD DETERGENT, TYP.

WATER STAINS/ DAMAGES TO BE CLEAN/ REPAIRED, TYP.



SW 6258
Tricorn Black
Interior / Exterior
Location Number: 251-C1

A4
NTS
PROPOSED PAINT COLOR

NOTE: NEW PAINT COLOR ONLY APPLIES TO DOORS, WINDOWS, AND OTHER METAL ITEMS ALREADY PAINTED BLACK. MASONRY BRICK TO REMAIN ORIGINAL COLOR.



REMOVE EXISTING CHAIN LINK FENCE, TYP.

REMOVE AND REPLACE EXISTING SIDEWALK, TYP.

REMOVE STRUCTURAL BRACING AND FOUNDATION.

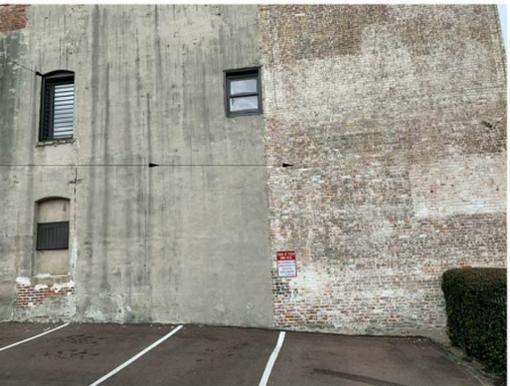
BRICK TO BE CLEANED WITH MILD DETERGENT, TYP.



PAINT DOORS, WINDOWS, AND OTHER METAL ITEMS ALREADY PAINTED BLACK WITH SW 6258, TYP.

BRICK AND PLASTER TO BE CLEANED WITH MILD DETERGENT, TYP.

REMOVE TEMPORARY ELECTRICAL SERVICES, TYP.



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D1 EXTERIOR PERSPECTIVE

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SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	RECESSED LIGHTING FIXTURE. LETTER DENOTES TYPE. SEE FIXTURE SCHEDULE.	§	LIGHT SWITCH - SPST, 20A, 125V.
	EXIT LIGHT - WALL MOUNTED - FACE AND DIRECTIONAL ARROWS AS INDICATED.	§ _{2OS}	LIGHT SWITCH - OCCUPANCY SENSOR - 2 POLE (LIGHTING AND EXHAUST FAN)
	EMERGENCY WALL LIGHT.	§ _D	LIGHT SWITCH - DIMMER.
	OCCUPANCY SENSOR - LOW VOLTAGE, CEILING MOUNTED.	§ ₃	LIGHT SWITCH - THREE WAY.
	DAYLIGHT HARVESTING PHOTOCCELL		LIGHTING CONTROL PANEL.
			FIRE ALARM SYSTEM - FIRE ALARM CONTROL PANEL.
			FIRE ALARM SYSTEM - CEILING MOUNTED SMOKE DETECTOR.
			FIRE ALARM SYSTEM - DUCT MOUNTED SMOKE DETECTOR. (S) INDICATES SUPPLY DUCT. (R) INDICATES RETURN DUCT.
			FIRE ALARM SYSTEM - VISUAL INDICATOR. CANDELA AS INDICATED ON PLANS.
			FIRE ALARM SYSTEM - COMBINATION AUDIBLE & VISUAL INDICATOR. CANDELA AS INDICATED ON PLANS.
			FIRE ALARM SYSTEM - MANUAL PULL STATION.
			FIRE ALARM SYSTEM - FLOW SWITCH.
	TRANSFORMER - SEE SINGLE LINE DIAGRAM.		FIRE ALARM SYSTEM - TAMPER SWITCH.
	NON-FUSED DISCONNECT SWITCH, SIZE AS INDICATED.		FIRE ALARM SYSTEM - PRESSURE SWITCH.
	FUSED DISCONNECT SWITCH, SIZE AS INDICATED.		CARD READER, MOUNT SINGLE GANG BOX AT 48" AFF. PROVIDE 3/4" C WITH PULLSTRING TO ACCESSIBLE CEILING SPACE.
	JUNCTION BOX.		CEILING MOUNTED INTERCOM SPEAKER.
	HARD CONNECTION TO EQUIPMENT.		DATA OUTLET, RUN 3/4" CONDUIT UP TO ACCESSIBLE CEILING SPACE. PROVIDE PULLSTRING IN EMPTY CONDUIT.
	DUPLEX RECEPTACLE.		COMBINATION OUTLET FOR TELEPHONE/DATA, RUN 3/4" CONDUIT UP TO ACCESSIBLE CEILING SPACE. PROVIDE PULLSTRING IN EMPTY CONDUIT.
	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTING TYPE.		
	DUPLEX RECEPTACLE, COUNTERTOP HEIGHT.		
	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTING TYPE, COUNTERTOP HEIGHT.		
	QUADPLEX RECEPTACLE.		
	QUADPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTING TYPE.		

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MTD	MOUNTED
C	COUNTERTOP HEIGHT	NC	NORMALLY CLOSED
CL	CENTERLINE	NI	NOT IN CONTRACT FOR DIVISION 26
EX	EXISTING	NO	NORMALLY OPEN
IC	INTERRUPTING CAPACITY	OC	ON CENTER
G	GROUND	UG	UNDERGROUND
HID	HIGH INTENSITY DISCHARGE	UOI	UNLESS OTHERWISE INDICATED

ELECTRICAL GENERAL NOTES:

- THE ELECTRICAL CONTRACTOR (E.C.) SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM INSTALLATION.
- MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
- ALL MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA, OR ANOTHER RECOGNIZED TESTING LABORATORY.
- THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES, UTILITY COMPANIES, AND LOCAL CODE OFFICIALS, SHOP DRAWINGS AND/OR INSTALLATION DETAILS WHICH ARE REQUIRED BY THESE AGENCIES FOR THEIR APPROVAL.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, ENGINEER, AND PROJECT MANAGER IN WRITING OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES, OR REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION.
- ALL NEW ELECTRICAL WORK OR MODIFICATIONS TO EXISTING ELECTRICAL DISTRIBUTION PANELS, PANELBOARDS, METERS, ETC. SHALL BE INSTALLED AS INDICATED ON THE ELECTRICAL CONSTRUCTION DOCUMENTS. E.C. SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT TO BE INSTALLED INDICATING FLOOR PLAN LAYOUT, ELEVATIONS, AND ALL DIMENSIONS FOR APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION. CODE REQUIRED CLEARANCES IN FRONT OF ALL ELECTRICAL EQUIPMENT SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, MAKE A SCHEDULED ARRANGEMENT WITH THE PROJECT MANAGER TO VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND WIRING FOR THE PERFORMANCE OF ALL TRADES, FOR THE ENTIRE PERIOD OF CONSTRUCTION AND SHALL REMOVE ALL TEMPORARY WIRING AT THE COMPLETION OF CONSTRUCTION. ALL COSTS FOR ESTABLISHING AND REMOVING TEMPORARY POWER SHALL BE INCLUDED IN BID.
- THE EXISTING POWER, SIGNAL, AND COMMUNICATIONS SYSTEMS ARE TO REMAIN IN SERVICE TO PROVIDE FOR THE OWNER'S EXISTING FUNCTIONS. SHOULD IT BECOME NECESSARY TO SHUT-DOWN ANY SYSTEM OR PORTION OF A SYSTEM, APPROVAL IN WRITING MUST BE OBTAINED FROM THE PROJECT MANAGER AND SHALL BE ONLY FOR THE PERIOD AND TIME AGREED UPON. THE BID IS TO INCLUDE THE COST OF ANY TEMPORARY WIRING AND PREMIUM TIME REQUIRED FOR THE SHUTDOWN.
- ALL MATERIALS AND EQUIPMENT SHALL BE ERRECTED, INSTALLED, TOOLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
- ALL CUTTING, DRILLING, AND PATCHING OF MASONRY, DRYWALL, CONCRETE, STEEL, OR IRON WORK BELONGING TO THE BUILDING SHALL BE DONE BY THIS CONTRACTOR IN ORDER THAT WORK MAY BE PROPERLY INSTALLED. UNDER NO CONDITIONS MAY STRUCTURAL WORK BE CUT, EXCEPT AT THE DIRECTION OF THE ARCHITECT/ENGINEER OR THEIR REPRESENTATIVE.
- SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS, AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOGICAL GROUPS (FOR EXAMPLE ALL LIGHTING FIXTURES), PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
- CONTRACTOR SHALL PROVIDE "AS-BUILT" DOCUMENTATION AND HARD COPY REPRODUCIBLE DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMIT TO THE ARCHITECT AND THE ENGINEER. AS-BUILT DRAWINGS SHALL INDICATE EXACT CIRCUIT NUMBERS, LOCATIONS OF ALL DEVICES, CEILING FIXTURES, AND RACEWAY FOR LIGHTING, TELECOMMUNICATIONS AND POWER DISTRIBUTION SYSTEMS AS INSTALLED.
- ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW AND OF COMMERCIAL GRADE UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED ON DRAWINGS.
- EXCEPT AS NOTED OTHERWISE, ALL WORK REQUIRED FOR THE ELECTRICAL INSTALLATION AS SHOWN ON DRAWINGS SHALL INCLUDE ALL LABOR, INSTALLATION METHODS, EQUIPMENT, AND MATERIALS AND SHALL BE IN STRICT COMPLIANCE WITH ALL BUILDING STANDARDS.
- PROVIDE A COMPLETE METAL RACEWAY SYSTEM, FITTINGS AND ENCLOSURES FOR ALL ELECTRICAL WIRING SYSTEMS TO BE INSTALLED FOR THE PROJECT. SYSTEMS SHALL INCLUDE, BUT NOT BE LIMITED TO POWER, COMMUNICATIONS, SECURITY, AND PAGING.
- MINIMUM CONDUIT SIZE SHALL BE 1/2 INCH FOR GENERAL LIGHTING AND POWER CIRCUITRY UNLESS OTHERWISE INDICATED AND/OR REQUIRED BY CODE.
- FLEXIBLE CONDUIT CONNECTIONS TO RECESSED LIGHTING FIXTURES SHALL BE MADE WITH FLEXIBLE STEEL CONDUIT, 1/2 INCH MINIMUM, INCLUDING AN INSULATED COPPER GREEN EQUIPMENT GROUNDING CONDUCTOR.
- WIRE NUMBER 8 AND SMALLER FOR USE IN INTERIOR DRY LOCATIONS SHALL BE TYPE THWN THERMOPLASTIC 600 VOLT INSULATED COPPER CONDUCTORS, FEEDERS AND POWER WIRING NUMBER 6 AND LARGER SHALL BE TYPE THW 600 VOLT INSULATED COPPER, WIRE WHICH IS INSTALLED IN RACEWAY IN MOIST OR DAMP LOCATIONS SHALL BE THW, 600 VOLT INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN NUMBER 12 AWG SHALL BE USED FOR LIGHTING OR POWER.
- BRANCH CIRCUIT HOMERUN WIRING:
 - GENERAL PURPOSE BRANCH CIRCUIT HOMERUNS CONSISTING OF TWO NETWORKS SHALL HAVE PHASE, NEUTRAL AND GROUND CONDUCTORS INCREASED TO NUMBER 10 AWG, THWN AS A MINIMUM. WHERE HOMERUN (ONE OR MORE NETWORKS) EXCEEDS 100 LINEAR FEET, CONDUCTOR SIZE SHALL BE INCREASED ONE TRADE SIZE.
 - ALL BRANCH CIRCUITS, FEEDERS, AND HOMERUNS SHALL BE PROVIDED WITH AN INSULATED COPPER GREEN GROUNDING CONDUCTOR ROUTED IN THE SAME CONDUIT. GROUNDING CONDUCTOR SHALL BE SIZED PER THE REQUIREMENTS OF NEC SECTION 250.
 - HOMERUN LENGTH SHALL BEGIN AT THE CENTRAL POINT OF ALL DISTRIBUTED CIRCUITS TO THE PANELBOARD CIRCUIT BREAKER.
- ALL NEW CIRCUIT BREAKERS FOR EXISTING PANELBOARDS AND DISTRIBUTION PANELBOARDS SHALL MATCH EXISTING BUILDING PANELBOARD MANUFACTURER AND CIRCUIT BREAKER TYPE. ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE. AIC RATING OF NEW CIRCUIT BREAKER SHALL MATCH AIC RATING OF PANELBOARD IN WHICH IT IS INSTALLED. WHERE SERIES RATED TYPE CIRCUIT BREAKERS ARE USED, NEW CIRCUIT BREAKERS SHALL BE INSTALLED SO AS TO MAINTAIN THE UL SERIES RATING OF THE ENTIRE SYSTEM. THE CONTRACTOR SHALL PROVIDE A NEW TYPED WRITTEN PANEL DIRECTORY FOR EACH PANEL CHANGED AT THE COMPLETION OF THE PROJECT. EACH CIRCUIT BREAKER SHALL BE LABELLED TO IDENTIFY LOAD TYPE AND LOCATION.
- THE CONTRACTOR SHALL VERIFY THE CEILING CONSTRUCTION TYPE WITH ARCHITECTURAL DETAILS BEFORE ORDERING LIGHTING FIXTURES IN ORDER TO CONFIRM PROPER MOUNTING.
- EACH SWITCH, LIGHT, RECEPTACLE, OR OTHER MISCELLANEOUS DEVICE SHALL BE PROVIDED WITH A GALVANIZED OR SHERARDIZED PRESSED STEEL OUTLET BOX OF THE KNOCKOUT TYPE, OF NOT LESS THAN NUMBER 14 U.S. GAUGE STEEL. CONDUITS SHALL BE FASTENED WITH LOCKNUTS AND BUSHINGS AND ALL UNUSED KNOCKOUTS SHALL BE LEFT SEALED. THERE SHALL BE SUFFICIENT ROOM FOR WIRES AND BUSHINGS AND DEEP BOXES SHALL BE INSTALLED WHERE REQUIRED. BOXES SHALL BE SECURELY AND ADEQUATELY SUPPORTED.
- IN SUSPENDED CEILINGS, SUPPORT CONDUITS AND JUNCTION BOXES DIRECTLY FROM THE STRUCTURAL SYSTEM, DECK OR FRAMING PROVIDED FOR THAT PURPOSE. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO THE CEILING SUPPORT WIRES OR SPLINE UNLESS THE CEILING SYSTEM HAS BEEN SPECIFICALLY DESIGNED FOR THAT PURPOSE AND APPROVAL HAS BEEN GRANTED BY THE ARCHITECT AND THE ENGINEER.
- E.C. SHALL PROVIDE "3M" FIRESEAL SYSTEMS FOR ALL CORES AND RACEWAY PENETRATIONS IN FIRE RATED WALLS AND PARTITIONS, FIRE RATE WALL AND CEILING PENETRATIONS, ETC. USING "CP-25" CAULK, "303" PUTTY AND/OR "FLAMESEAL" PUTTY AS PER MANUFACTURER'S INSTRUCTIONS TO MAINTAIN EXISTING AND NEW FIRE RATINGS. VERIFY FIRE RATING CONDITIONS AND LOCATIONS PRIOR TO FINAL BIDS. ALL OPEN SLEEVE PENETRATIONS SHALL BE FIRESEALED INSIDE AND OUTSIDE BY E.C. AFTER ALL CABLING IS COMPLETELY INSTALLED. SEALING METHODS SHALL BE PROVIDED BY E.C. AND SHALL BE SUBJECT TO THE APPROVAL OF THE CABLING CONTRACTOR.
- NUMBERED CIRCUITS SHOWN ON PLAN ARE FOR THE CONVEYANCE OF DESIGN INTENT ONLY. ACTUAL FIELD CONDITIONS WILL AFFECT CIRCUITRY. INDICATE THE ACTUAL CIRCUIT NUMBERS INSTALLED ON THE "AS-BUILT" DRAWINGS.
- A NEW PANELBOARD COPPER GROUND BUS SHALL BE INSTALLED FOR EQUIPMENT GROUNDING REQUIREMENTS FOR ALL PANELBOARDS LACKING A GROUND BUS.
- PERFORM ALL WORK OF A DEMOLITION NATURE THAT MAY BE REQUIRED OR NECESSARY FOR THE FULL AND COMPLETE EXECUTION OF THE WORK, WHETHER EXPLICITLY SHOWN AND/OR SPECIFIED OR NOT. EXACT EXTENT OF DEMOLITION WILL NOT BE FULLY INDICATED BY DRAWINGS. DETERMINE THE NATURE AND EXTENT OF DEMOLITION THAT WILL BE NECESSARY BY COMPARING THE CONTRACT DOCUMENTS WITH ARCHITECTURAL AND DEMOLITION DRAWINGS TO EXISTING CONDITIONS. ELECTRICAL EQUIPMENT WHICH WILL NOT BE REUSED SHALL BE TURNED OVER TO THE OWNER OR REMOVED FROM THE PREMISES AS DETERMINED BY THE PROJECT MANAGER.
- ANY EXISTING ELECTRICAL MATERIAL AND EQUIPMENT WHICH INTERFERES WITH THE NEW ADDITION OR THE REMOVAL OF EXISTING WALLS SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR. VERIFY REMOVAL AND NEW LOCATION OF EQUIPMENT WITH THE PROJECT MANAGER AND THE ARCHITECT/ENGINEER PRIOR TO WORK.
- VERIFY CLEARANCES FOR ALL NEW OR EXISTING RELOCATED ELECTRICAL WORK BEFORE PROCEEDING WITH CONSTRUCTION. COORDINATE USAGE OF AVAILABLE SPACE WITH ALL TRADES. IN THE EVENT OF CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL HANGER AND/OR ROD SUPPORT SYSTEMS SHALL BE SUPPORTED TO THE BOTTOM RIB OF THE METAL DECK, WHERE APPLICABLE.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY PROPERLY SIZED WALL OR MILLWORK MOUNTED BOXES, RINGS, SUPPORTS, AND DEVICES AS REQUIRED VIA COORDINATION WITH ARCHITECTURAL WALL SECTIONS, AND MILLWORK DETAILS.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE DRAWINGS. WHERE MORE STRINGENT REQUIREMENTS THAN THOSE DESCRIBED HEREIN OR AS SET FORTH UNDER CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION, THOSE GREATER REQUIREMENTS SHALL BE ADHERED TO.
- ALL NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS SHALL BE PROVIDED WITH AN INTEGRAL EMERGENCY BACKUP BALLAST TO ILLUMINATE THE FIXTURES IN THE EVENT OF A POWER FAILURE. ALL COMPONENTS SHALL BE IN COMPLIANCE WITH NFPA 101 AND NFPA 70 SECTION 700. BALLAST BATTERY SHALL MAINTAIN 87.5% OF THE NOMINAL BATTERY VOLTAGE AFTER 1.5 HOURS TO COMPLY WITH NEC SECTION 700 AND UL 924.
- ELECTRICAL CONTRACTOR SHALL COORDINATE ALL EXISTING OR NEW NON-ACCESSIBLE SYSTEM DEVICES, PULLBOXES, AND EQUIPMENT, ETC. FOR RELOCATION TO ACCESSIBLE CEILING AREAS. E.C. SHALL INCLUDE ALL COMPLETE COSTS FOR RELOCATION AND VERIFY SUCH CONDITIONS WITH ARCHITECTURAL CEILING PLANS PRIOR TO FINAL BIDS.
- EXISTING CONDITIONS OF ALL EXISTING BUILDING EQUIPMENT, DEVICES, FIXTURES, AND SYSTEMS THAT REQUIRE REWIRING, REUSE, RELOCATION, OR REFURBISHING AS PER DRAWINGS AND SPECIFICATIONS SHALL BE FIELD VERIFIED BY THE E.C. PRIOR TO COMMENCEMENT OF ANY WORK TO BE COMPLETELY OPERATIONAL. E.C. SHALL SUBMIT A WRITTEN STATEMENT AND ITEMIZED LISTING OF ALL EXISTING CONDITIONS OF THE FOLLOWING, ALTHOUGH NOT LIMITED TO THOSE LISTED:
 - HVAC EQUIPMENT
 - EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES
 - LIFE SAFETY/FIRE ALARM SYSTEM DEVICES
- LIGHTING AND RECEPTACLE DEVICES.
- THE WRITTEN STATEMENT SHALL BE SUBMITTED TO THE PROJECT MGR., ARCHITECT, AND ENGINEER PRIOR TO WORK. IN THE EVENT THAT THE CONTRACTOR COMMENCES WORK WITHOUT SUBMITTAL, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY AND COST TO MAINTAIN THE ABOVE IN GOOD WORKING ORDER AND CONDITION.
- E.C. SHALL REFER TO MECHANICAL AND PLUMBING ENGINEERING DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT

C1	ELECTRICAL LEGEND
N.T.S.	

LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER	MODEL	LUMENS / CCT	WATTS	FIXTURE MOUNTING
C	5" LED DOWNLIGHT IN IC HOUSING WITH WOOD JOIST BAR HANGERS	SPECTRUM LIGHTING		4000	30 VA	MOUNT FASTENED BETWEEN FRAMING MEMBERS
E	EMERGENCY LIGHTING UNIT	SURE-LITES	APEL		10 VA	WALL MOUNT 7" AFF
R	REMOTE POWERED EXTERIOR RATED EMERGENCY LIGHTING UNIT	SURE-LITES	APWR2		0 VA	WALL MOUNT 8" AFF
SA	EXTERIOR RATED WALL PACK WITH MOTION SENSOR / PHOTOCCELL	COOPER LIGHTING	GLEON-AF-05-LED-E1-SL4-8030-MS/DIM-L20	30K	166 VA	
SB	ILLUMINATED BOLLARD	LIGMAN LIGHTING USA	UEC-10505 23w W30 02 120/27V	30K	23 VA	
SC	6" SQUARE CYLINDER - WET LOCATION - WALL MOUNT	SPECTRUM LIGHTING	C0611SQXT 20L 30K XW EX WL TPT QL MB	30K	22 VA	
SR	6" SQUARE CYLINDER - WET LOCATION - CEILING MOUNT	SPECTRUM LIGHTING	C0611SQXT 20L 30K WD EX WL TPT SO SM MB	30K	22 VA	CEILING/SURFACE MOUNT
X	COMBINATION EXIT SIG	SURE-LITES	APCG	LED	2 VA	WALL MOUNT 6" ABOVE DOOR FRAME
XH	COMBINATION EXIT SIGN WITH REMOTE CAPACITY	SURE-LITES	APCH7G	LED	4 VA	WALL MOUNT 6" ABOVE DOOR FRAME

NOTE:

MANUFACTURER'S TRADE NAMES OR CATALOG NUMBERS USED IN THIS SCHEDULE DENOTE TYPE, SIZE, QUALITY, AND DESIGN OF EQUIPMENT REQUIRED. THIS CONTRACTOR IS FREE TO OFFER SUBSTITUTIONS FOR CONSIDERATION AS EQUAL; HOWEVER, HE SHALL BE PREPARED TO FURNISH SPECIFIED MATERIALS WHERE SUBSTITUTIONS ARE NOT APPROVED. WHEN SUBSTITUTIONS REQUESTS ARE PROVIDED TO THE ENGINEER FOR APPROVAL, THE CONTRACTOR SHALL PROVIDE PHOTOMETRIC CALCULATIONS, FOR EACH SPACE, TO THE ENGINEER FOR REVIEW. THE CALCULATIONS SHALL BE PERFORMED WITH VISUAL 2016 LIGHTING SOFTWARE. THE ELECTRONIC VISUAL FILE SHALL BE SUBMITTED WITH THE PROPOSED LIGHTING FIXTURE DATA SHEETS.

D1	LIGHTING FIXTURE SCHEDULE
N.T.S.	

D4	GENERAL NOTES
N.T.S.	



A2H, INC.
3009 DAVIES PLANTATION ROAD
LAKELAND, TN 38002
P. 901.372.0404
WWW.A2H.COM

GOMEZ FAMILY

371 SOUTH MAIN STREET REDEVELOPMENT

371 SOUTH MAIN STREET, MEMPHIS, TN 38103

PROGRESS SET - PROPOSED EXTERIOR IMPROVEMENTS

REVISIONS

PROJECT NO.	DATE
19545	AUGUST 20, 2020
DRAWN	CHECKED
CBR	MCL

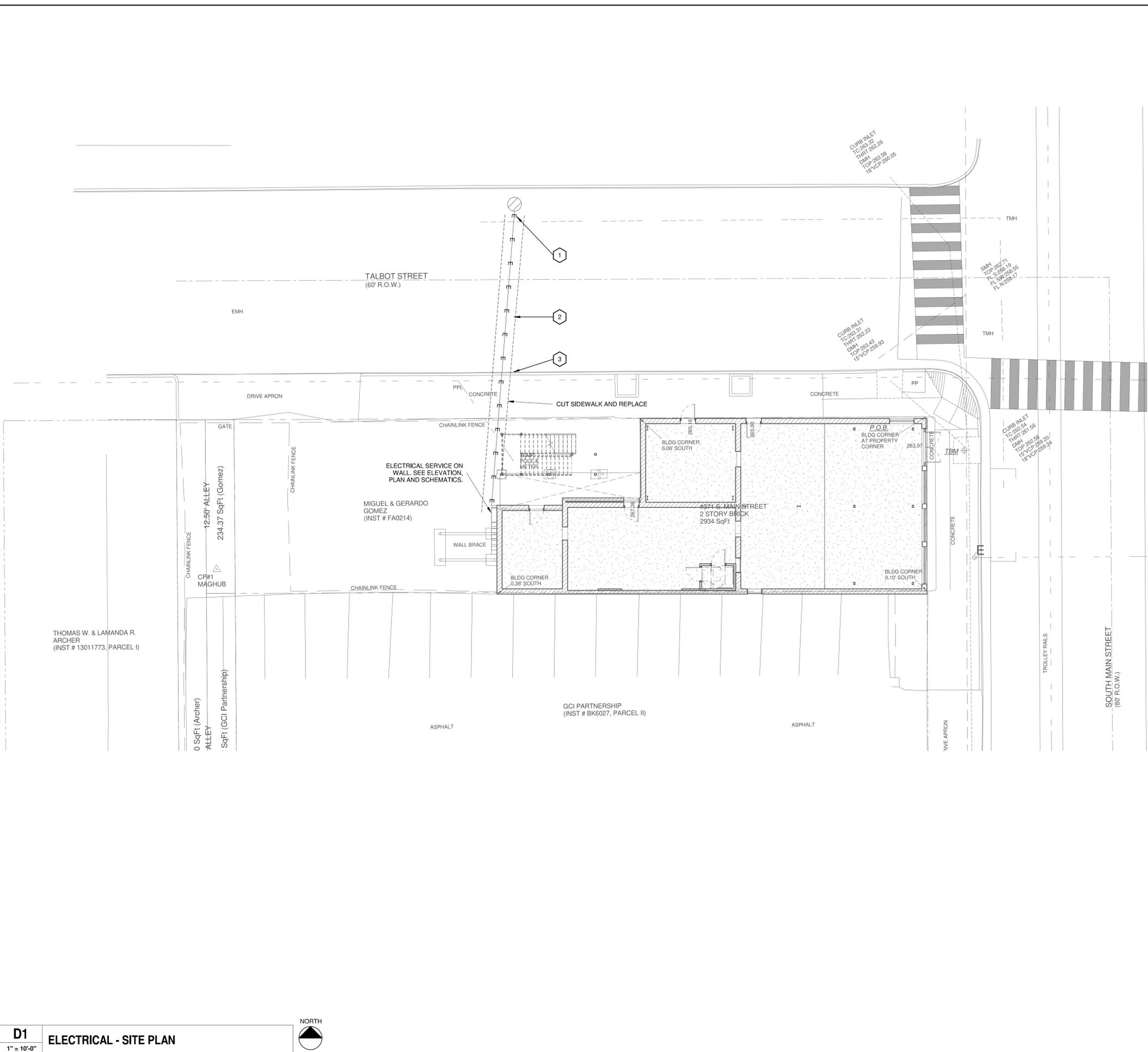
ELECTRICAL LEGEND AND NOTES

E0.0

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GENERAL NOTES

1. PROVIDE ELECTRICAL SERVICE. COORDINATE RESPONSIBILITIES WITH MEMPHIS LIGHT GAS AND WATER.
2. SECURE LOCATION SERVICES PRIOR TO EXCAVATIONS.

KEYED NOTES

1. MANHOLE 1558.
2. EXCAVATE TALBOT STREET AND REPLACE.
3. PRESERVE CURB.

A5
12" = 1'-0"

ELECTRICAL SITE PLAN - NOTES

A2H ENGINEERS ARCHITECTS PLANNERS

A2H, INC.
3009 DAVIES PLANTATION ROAD
LAKELAND, TN 38002
P. 901.372.0404
WWW.A2H.COM

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PROGRESS SET - PROPOSED EXTERIOR IMPROVEMENTS

REVISIONS

PROJECT NO.	DATE
19545	AUGUST 20, 2020
DRAWN	CHECKED
MCL	MCL

ELECTRICAL - SITE PLAN

E0.1

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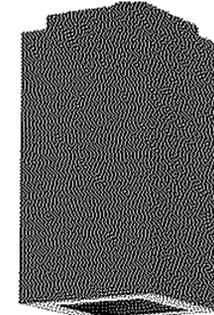
A1
N.T.S. LUMINAIRE IMAGE - TYPE SA



A2
N.T.S. LUMINAIRE IMAGE - TYPE SB



A3
N.T.S. LUMINAIRE IMAGE - TYPE SC

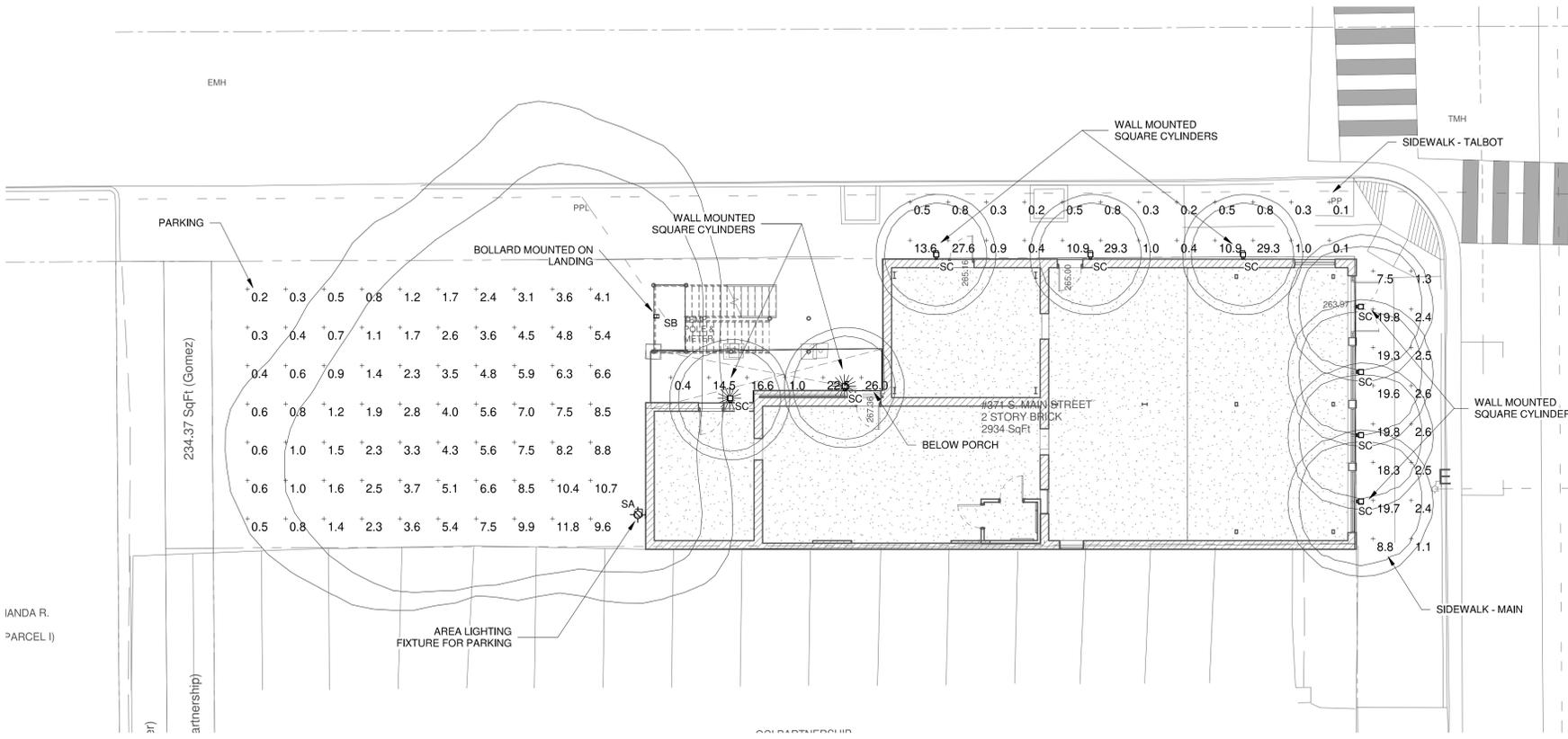


A4
N.T.S. LUMINAIRE IMAGE - TYPE SR

GENERAL NOTES

- EXTERIOR LUMINAIRE LUMEN OUTPUT TO BE ENOUGH TO SEE ABOVE AMBIENT STREET LIGHTING. STREET LIGHTING WILL ADD ADDITIONAL AMBIENT LIGHTING IN THE PARKING AREAS AND ALONG THE SIDEWALK.
- LIGHT COLOR TO BE 3000K - A WARM COLOR SLIGHTLY WHITER THAN INCANDESCENT.
- SMALL EGRESS LIGHTING HEADS WILL BE BY EXTERIOR DOORS BUT ARE NOT SHOWN BY SYMBOL ON THE PLANS.

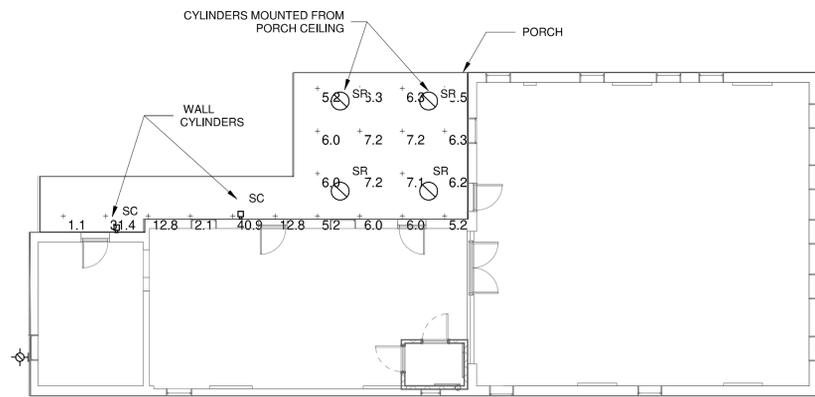
A5
N.T.S. SITE LIGHTING PLAN NOTES



PHOTOMETRIC SCHEDULE					
LOCATION	AVERAGE	MAXIMUM	MINIMUM	MAX/MIN	AVERAGE/MIN
BELOW PORCH	13.5 FC	26.0 FC	0.4 FC	65.0:1	33.8:1
PARKING	3.7 FC	11.8 FC	0.2 FC	59.0:1	18.5:1
PORCH	9.1 FC	40.9 FC	1.1 FC	37.2:1	8.3:1
SIDEWALK - MAIN	8.4 FC	19.8 FC	1.1 FC	18.0:1	8.5:1
SIDEWALK - TALBOT	5.4 FC	29.3 FC	0.1 FC	293.0:1	54.0:1

C1
1" = 10'-0" SITE LIGHTING PLAN

C5
N.T.S. PHOTOMETRIC SCHEDULE



D1
1" = 10'-0" SITE LIGHTING SECOND FLOOR PLAN

EXTERIOR LUMINAIRE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	CCT	INPUT WATTS	MOUNTING
SA	EXTERIOR RATED WALL PACK WITH MOTION SENSOR / PHOTOCELL	COOPER LIGHTING	GLEON-AF-05-LED-E1-SL4-8030-MS-DIM-L20	30K	166 VA	WALL MOUNT 16' AFG
SB	ILLUMINATED BOLLARD	LIGMAN LIGHTING USA	UEC-10505 23w W30 02 120/277V	30K	23 VA	MOUNT TO STAIR LANDING
SC	6" SQUARE CYLINDER - WET LOCATION - WALL MOUNT	SPECTRUM LIGHTING	C0611SQXT 20L 30K XW EX WL TPT GL MB	30K	22 VA	WALL MOUNT 7' AFF
SR	6" SQUARE CYLINDER - WET LOCATION - CEILING MOUNT	SPECTRUM LIGHTING	C0611SQXT 20L 30K WD EX WL TPT SO SM MB	30K	22 VA	SURFACE MOUNT

D3
N.T.S. EXTERIOR LUMINAIRE SCHEDULE

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McGraw-Edison

DESCRIPTION
The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED™ Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/ULC Listed for wet locations.

Catalog #	Type
Project	SA
Comments	
Prepared by	Date

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3D vibration tested and reset. Optional tool-less hardware available for ease of entry into electrical chamber. Housing in IP66 rated.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 3A/2V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Cooper Lighting Solutions proprietary circuit module designed to withstand 100V of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperature exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1.6 drive current and optional 600mA, 800mA, and 1200mA drive currents (nominal).

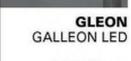
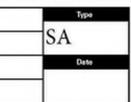
Optics
Patented, high-efficiency injection-molded AccuLED™ Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 27K) CCT to CR1. Optional 3000K, 5000K and 6000K CCT.

Standard Arm Mount
Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via pin screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1.12" to 4.78" (28mm to 121mm).

Finish
Housing finished in super durable TGIC polyester powder coat paint, not having to access the driver compartment. A knock-out enables round pole mounting.

Warranty
Five-year warranty.

GLEEON GALLEON LED



CERTIFICATION DATA

UL, ENEC, CE, FCC, RoHS, REACH, DLP, DLP+, DLP++, DLP+++

ENERGY DATA

Light Square	Power Factor	Power Factor	Power Factor	Power Factor
1-4	0.96	0.96	0.96	0.96
5-6	0.96	0.96	0.96	0.96
7-8	0.96	0.96	0.96	0.96
9-10	0.96	0.96	0.96	0.96

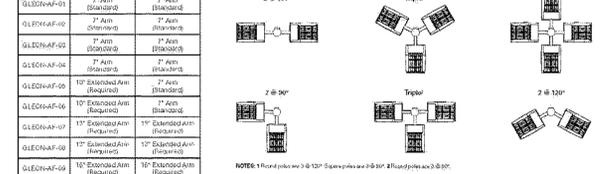
NOTE 1: Optimal arm length to be used when mounting two fixtures at 90° or a single pole. 2: Arm length with mounting arm length.



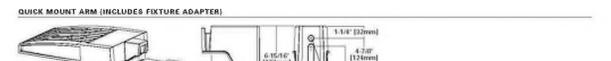
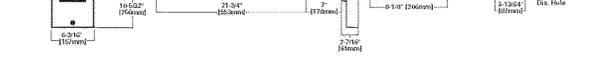
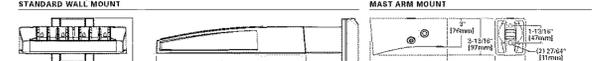
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GLEEON GALLEON LED

ARM MOUNTING REQUIREMENTS



NOTE: 1. Mounting arm is 2" x 1/2" square with 1/8" hole. 2. Mounting arm is 2" x 1/2" square with 1/8" hole. 3. Mounting arm is 2" x 1/2" square with 1/8" hole.



QUICK MOUNT ARM DATA

Number of Light Squares	Weight with QM Arm (lbs.)	Weight with QMA Arm (lbs.)	EPA (ft.)
1-4	15.12 (6.84kg)	35.15 (15.94kg)	38.07 (27.4kg)
5-6	23.52 (10.69kg)	46.20 (20.91kg)	49.22 (22.3kg)
7-8	27.58 (12.51kg)	55.25 (25.05kg)	N/A

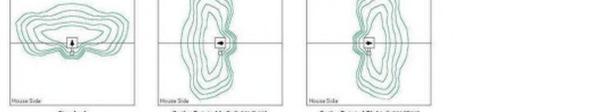
NOTE: 1. QM arm available with 1.6 light square configuration. 2. QMA arm available with 1.6 light square configuration. 3. QMA arm is used when mounting two fixtures at 90° or a single pole.



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GLEEON GALLEON LED

OPTIC ORIENTATION

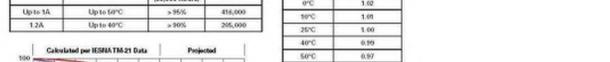


LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance @ 60,000 Hours	Projected L70 (Hours)
Up to 1A	Up to 50°C	>=95%	416,000
1.2A	Up to 40°C	>=95%	206,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
50°C	1.02
40°C	1.01
30°C	1.00
20°C	0.99
10°C	0.97



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GLEEON GALLEON LED

NOMINAL POWER LUMENS (1A)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)	59	113	166	220	274	328	382	436	490	544
Input Current @ 120V (A)	0.51	1.02	1.53	2.00	2.56	3.08	3.54	4.00	4.46	4.93
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	0.45	0.67	0.90	1.10	1.33	1.56	1.78	2.01	2.25
Input Current @ 347V (A)	0.17	0.32	0.48	0.64	0.82	1.00	1.18	1.32	1.50	1.68
Input Current @ 480V (A)	0.14	0.24	0.37	0.48	0.61	0.75	0.91	1.02	1.12	1.20

Optics

Optics	1	2	3	4	5	6	7	8	9	10
4000K/5000K Luminaire	6,256	12,226	18,242	24,248	29,266	35,279	42,286	47,288	53,294	59,344
3000K Luminaire	5,916	11,559	17,240	22,289	28,236	33,279	39,290	44,277	50,266	55,299
5000K Luminaire	6,129	12,129	18,129	24,129	29,129	35,129	41,129	46,129	52,129	57,129
4000K/5000K Luminaire	6,282	12,279	18,266	24,269	29,266	35,269	41,269	46,269	52,269	57,269

Optics	1	2	3	4	5	6	7	8	9	10
3000K Luminaire	6,200	12,271	18,231	24,230	29,230	35,272	41,223	46,200	52,239	58,265
5000K Luminaire	6,277	12,241	18,250	24,248	29,249	35,248	41,247	46,246	52,245	58,244
3000K Luminaire	6,029	12,101	17,240	22,229	27,218	32,211	37,201	42,196	47,191	52,187
5000K Luminaire	6,581	12,729	19,060	25,212	31,216	37,216	43,216	49,216	55,216	61,216

Optics	1	2	3	4	5	6	7	8	9	10
3000K Luminaire	6,029	12,101	17,240	22,229	27,218	32,211	37,201	42,196	47,191	52,187
5000K Luminaire	6,114	12,221	18,230	24,230	29,230	35,272	41,223	46,200	52,239	58,265
3000K Luminaire	6,064	12,140	17,241	22,240	27,240	32,240	37,240	42,240	47,240	52,240
5000K Luminaire	6,231	12,372	18,454	24,391	30,221	36,243	42,269	48,296	54,324	60,350

Optics	1	2	3	4	5	6	7	8	9	10
3000K Luminaire	6,508	13,027	19,522	26,001	32,472	38,939	45,404	51,867	58,328	64,786
5000K Luminaire	6,245	12,295	18,312	24,302	29,293	35,277	41,252	47,227	53,202	59,177
3000K Luminaire	6,548	13,029	19,520	26,001	32,472	38,939	45,404	51,867	58,328	64,786
5000K Luminaire	6,379	12,460	18,581	24,644	30,438	36,211	42,000	47,783	53,566	59,349

Optics	1	2	3	4	5	6	7	8	9	10
3000K Luminaire	6,608	13,196	19,744	26,288	32,832	39,376	45,920	52,464	59,008	65,552
5000K Luminaire	6,277	12,591	18,640	24,688	30,736	36,784	42,832	48,880	54,928	60,976
3000K Luminaire	6,331	12,372	18,454	24,391	30,221	36,243	42,269	48,296	54,324	60,350

Optics	1	2	3	4	5	6	7	8	9	10
3000K Luminaire	6,508	13,027	19,522	26,001	32,472	38,939	45,404	51,867	58,328	64,786
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NOTE: 1. Optimal arm length to be used when mounting two fixtures at 90° or a single pole. 2. Arm length with mounting arm length.



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GLEEON GALLEON LED

CONTROL OPTIONS

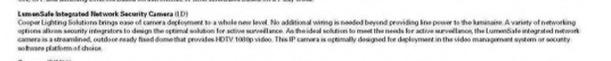
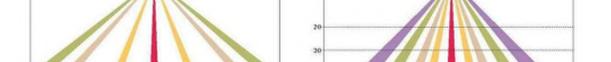
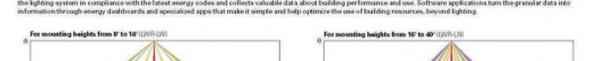
0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

PhotoControl (P) and PERC
Optional feature type PhotoControl (P) and photocontrol receptacle (PERC) provides a flexible solution to enable "dark-to-dark" lighting by sensing light levels. Advanced control systems compatible with REMA 7 pin at auxiliary can be utilized with the PERC 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 "dark-to-dark" period has been calculated from the photocontrol input. Specify the desired dimming profile for a specific, factory-shipped dimming solution requiring an external control system. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (DSOR) LXX, MSX, LXX and MSX LXX
These sensors are factory installed in the luminaire housing. When the MSX LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MSX LXX sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MSX LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MSX LXX is also preset for manual control using the specified number of light inputs to maintain steady output from the remaining light engines.

These occupancy sensors include an integral photocell that can be activated with the DSOR accessory for "dark-to-dark" control or daylight harvesting. The factory preset on OFF. The DSOR is a non-contact sensor used for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor fees are available to optimize the coverage pattern for mounting heights from 8' - 40'.



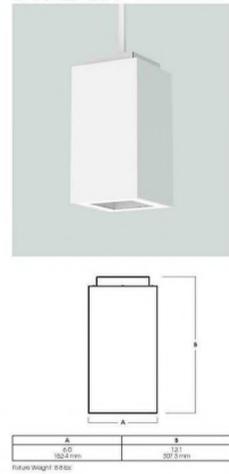
NOTE: 1. Optimal arm length to be used when mounting two fixtures at 90° or a single pole. 2. Arm length with mounting arm length.



TK6000EN June 2, 2020 12:06 PM

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TYPE SR



6" SQUARE DIRECT FOCUSED ILLUMINATION



CO611SQXT - CEILING MOUNT

APPLICATION
Ideal for 11" high cylinder luminaire for accent and focused illumination.

FEATURES
Spectrum's Cylinder series provides traditional architectural style with high performance and energy efficient illumination. Rugged design with flexible mounting, finish and LED options make these extremely versatile fixtures. Quick change LED module with interchangeable optics for job site flexibility and future upgrades.

FINISH
Multi-stage polyester powder-coat process applied on our dedicated paint lines. See mounting and color pages for standard finishes. All exposed materials are chrome plated to resist corrosion.

ELECTRONICS
LED system features Xicato LED module with proprietary phosphor technology that provides consistent stable color with CCT control of +/- 100K over life of the light engine. Base CR is 83 with 2-step MacAdam Ellipse binning. High CR is 98 with 1 + 2-step MacAdam Ellipse binning. Variety of electronic 120V/277V and dimming drivers.

CONSTRUCTION
Fabricated seamless aluminum fixture housing. Specular primary reflector provides high efficiency illumination. Stainless steel hardware with galvanized brackets to resist corrosion. Die-cast aluminum trim.

CODE COMPLIANCE
BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Wet Location Option. Manufactured and tested to UL standards. No. 1598-8780.

LUMENS / WATTAGE DATA	
WATT RANGE	FOOT CANDLE (FC) AT 10' / SYSTEM WATTAGE
CO611SQXT-15	1500 1200 1200 1200
CO611SQXT-30	3000 2400 2400 2400
CO611SQXT-45	4500 3600 3600 3600
CO611SQXT-60	6000 4800 4800 4800

SERIES	LUMENS ¹	CCT	OPTICS	DRIVER / DIMMING ³	OPTIONS ⁴	TRIM	MOUNTING ⁵	FINISH ⁶
CO611SQXT	15L 1000 Lm	83 CR	XN1 12°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White
	30L 2000 Lm	83 CR	XN1 24°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White
	45L 3000 Lm	83 CR	XN1 36°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White
	60L 4000 Lm	83 CR	XN1 48°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White

EXAMPLE: CO611SQXT13L35KNDXTPGLHM12MW

NOTES: 1. Lumens are based on a 10' distance. 2. Base CR is 83 with 2-step MacAdam Ellipse binning. 3. Base CR is 98 with 1 + 2-step MacAdam Ellipse binning. 4. CCT is 83 with 2-step MacAdam Ellipse binning. 5. Mounting options are WL (Wall Location), WM (Wall Mount 2" Extension), and CC (Custom Color). 6. Finish options are MB (Matte White), MB* (Matte Black), and CC (Custom Color). 7. Wall location options are WL (Wall Location), WL* (Wall Location with 1" extension), and WL** (Wall Location with 2" extension). 8. Trim options are TCY (Same Color as Cylinder), TCY* (Same Color as Cylinder with 1" extension), and TCY** (Same Color as Cylinder with 2" extension). 9. Mounting options are WM (Wall Mount 2" Extension), WM* (Wall Mount 2" Extension with 1" extension), and WM** (Wall Mount 2" Extension with 2" extension). 10. Finish options are MB (Matte White), MB* (Matte Black), and CC (Custom Color).

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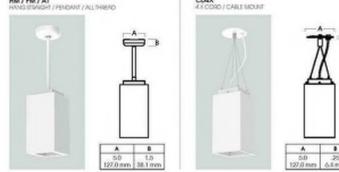
6" SQUARE DIRECT FOCUSED ILLUMINATION / FIXTURE OPTIONS



STANDARD FINISHES



MOUNTING TYPES



SERIES	LUMENS ¹	CCT	OPTICS	DRIVER / DIMMING ³	OPTIONS ⁴	TRIM	MOUNTING ⁵	FINISH ⁶
CO611SQXT	15L 1000 Lm	83 CR	XN1 12°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White
	30L 2000 Lm	83 CR	XN1 24°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White
	45L 3000 Lm	83 CR	XN1 36°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White
	60L 4000 Lm	83 CR	XN1 48°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White

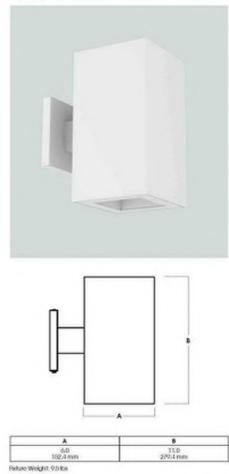
EXAMPLE: CO611SQXT13L35KNDXTPGLHM12MW

NOTES: 1. Lumens are based on a 10' distance. 2. Base CR is 83 with 2-step MacAdam Ellipse binning. 3. Base CR is 98 with 1 + 2-step MacAdam Ellipse binning. 4. CCT is 83 with 2-step MacAdam Ellipse binning. 5. Mounting options are WL (Wall Location), WM (Wall Mount 2" Extension), and CC (Custom Color). 6. Finish options are MB (Matte White), MB* (Matte Black), and CC (Custom Color). 7. Wall location options are WL (Wall Location), WL* (Wall Location with 1" extension), and WL** (Wall Location with 2" extension). 8. Trim options are TCY (Same Color as Cylinder), TCY* (Same Color as Cylinder with 1" extension), and TCY** (Same Color as Cylinder with 2" extension). 9. Mounting options are WM (Wall Mount 2" Extension), WM* (Wall Mount 2" Extension with 1" extension), and WM** (Wall Mount 2" Extension with 2" extension). 10. Finish options are MB (Matte White), MB* (Matte Black), and CC (Custom Color).

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Type SC



6" SQUARE DIRECT FOCUSED ILLUMINATION



CO611SQXT - WALL MOUNT

APPLICATION
Ideal for 11" high cylinder luminaire for accent and focused illumination.

FEATURES
Spectrum's Cylinder series provides traditional architectural style with high performance and energy efficient illumination. Rugged design with flexible mounting, finish and LED options make these extremely versatile fixtures. Quick change LED module with interchangeable optics for job site flexibility and future upgrades.

FINISH
Multi-stage polyester powder-coat process applied on our dedicated paint lines. See mounting and color pages for standard finishes. All exposed materials are chrome plated to resist corrosion.

ELECTRONICS
LED system features Xicato LED module with proprietary phosphor technology that provides consistent stable color with CCT control of +/- 100K over life of the light engine. Base CR is 83 with 2-step MacAdam Ellipse binning. High CR is 98 with 1 + 2-step MacAdam Ellipse binning. Variety of electronic 120V/277V and dimming drivers.

CONSTRUCTION
Fabricated seamless aluminum fixture housing. Specular primary reflector provides high efficiency illumination. Stainless steel hardware with galvanized brackets to resist corrosion. Die-cast aluminum trim.

CODE COMPLIANCE
BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Wet Location Option. Manufactured and tested to UL standards. No. 1598-8780.

LUMENS / WATTAGE DATA	
WATT RANGE	FOOT CANDLE (FC) AT 10' / SYSTEM WATTAGE
CO611SQXT-15	1500 1200 1200 1200
CO611SQXT-30	3000 2400 2400 2400
CO611SQXT-45	4500 3600 3600 3600
CO611SQXT-60	6000 4800 4800 4800

SERIES	LUMENS ¹	CCT	OPTICS	DRIVER / DIMMING ³	OPTIONS ⁴	TRIM	MOUNTING ⁵	FINISH ⁶
CO611SQXT	15L 1000 Lm	83 CR	XN1 12°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White
	30L 2000 Lm	83 CR	XN1 24°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White
	45L 3000 Lm	83 CR	XN1 36°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White
	60L 4000 Lm	83 CR	XN1 48°	EX Electronic Driver 120V/277V	WL Wall Location ⁷	TCY ⁸ Same Color as Cylinder	WM ⁹ Wall Mount 2" Extension	MB ¹⁰ Matte White

EXAMPLE: CO611SQXT13L35KNDXTPGLHM12MW

NOTES: 1. Lumens are based on a 10' distance. 2. Base CR is 83 with 2-step MacAdam Ellipse binning. 3. Base CR is 98 with 1 + 2-step MacAdam Ellipse binning. 4. CCT is 83 with 2-step MacAdam Ellipse binning. 5. Mounting options are WL (Wall Location), WM (Wall Mount 2" Extension), and CC (Custom Color). 6. Finish options are MB (Matte White), MB* (Matte Black), and CC (Custom Color). 7. Wall location options are WL (Wall Location), WL* (Wall Location with 1" extension), and WL** (Wall Location with 2" extension). 8. Trim options are TCY (Same Color as Cylinder), TCY* (Same Color as Cylinder with 1" extension), and TCY** (Same Color as Cylinder with 2" extension). 9. Mounting options are WM (Wall Mount 2" Extension), WM* (Wall Mount 2" Extension with 1" extension), and WM** (Wall Mount 2" Extension with 2" extension). 10. Finish options are MB (Matte White), MB* (Matte Black), and CC (Custom Color).

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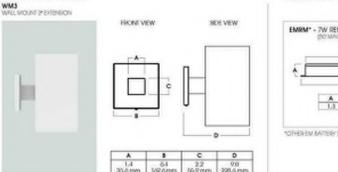
6" SQUARE DIRECT FOCUSED ILLUMINATION / FIXTURE OPTIONS



STANDARD FINISHES



WALL MOUNT DETAIL



EMEM ¹ - 7W REMOTE EMERGENCY BATTERY OPTION		EMEM ² - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE OPTION	
WATT RANGE	FOOT CANDLE (FC) AT 10' / SYSTEM WATTAGE	WATT RANGE	FOOT CANDLE (FC) AT 10' / SYSTEM WATTAGE
EMEM-15	1500 1200 1200 1200	EMEM-30	3000 2400 2400 2400
EMEM-45	4500 3600 3600 3600	EMEM-60	6000 4800 4800 4800

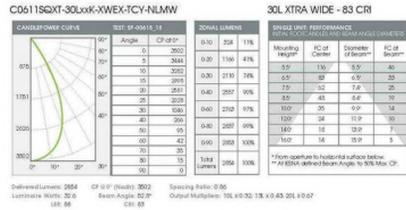
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6" SQUARE DIRECT FOCUSED ILLUMINATION / PHOTOMETRIC DATA



EXAMPLE: CO611SQXT13L35KNDXTPGLHM12MW

NOTES: 1. Lumens are based on a 10' distance. 2. Base CR is 83 with 2-step MacAdam Ellipse binning. 3. Base CR is 98 with 1 + 2-step MacAdam Ellipse binning. 4. CCT is 83 with 2-step MacAdam Ellipse binning. 5. Mounting options are WL (Wall Location), WM (Wall Mount 2" Extension), and CC (Custom Color). 6. Finish options are MB (Matte White), MB* (Matte Black), and CC (Custom Color). 7. Wall location options are WL (Wall Location), WL* (Wall Location with 1" extension), and WL** (Wall Location with 2" extension). 8. Trim options are TCY (Same Color as Cylinder), TCY* (Same Color as Cylinder with 1" extension), and TCY** (Same Color as Cylinder with 2" extension). 9. Mounting options are WM (Wall Mount 2" Extension), WM* (Wall Mount 2" Extension with 1" extension), and WM** (Wall Mount 2" Extension with 2" extension). 10. Finish options are MB (Matte White), MB* (Matte Black), and CC (Custom Color).

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COLOR OPTIONS - POWDER COAT PAINT FINISHES



STANDARD CORD / STEM / CANOPY FINISHES	PAINT TIMES																
<table border="1"> <tr> <th>STANDARD COLOR</th> <th>STANDARD CORD COLOR</th> <th>STANDARD CANOPY / STEM COLOR</th> </tr> <tr> <td>Matte White</td> <td>Matte White</td> <td>Matte White</td> </tr> <tr> <td>Matte Black</td> <td>Matte Black</td> <td>Matte Black</td> </tr> <tr> <td>Custom Color</td> <td>Custom Color</td> <td>Custom Color</td> </tr> </table>	STANDARD COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR	Matte White	Matte White	Matte White	Matte Black	Matte Black	Matte Black	Custom Color	Custom Color	Custom Color	<table border="1"> <tr> <th>TIER 1 - STANDARD FINISHES</th> <th>TIER 2 - TYPICAL FINISHES</th> </tr> <tr> <td>MW, MB, PT, MB*, MB**</td> <td>TW, TB, MT, OB*, SN, CO, BR, GH, CH, AL, VE</td> </tr> </table>	TIER 1 - STANDARD FINISHES	TIER 2 - TYPICAL FINISHES	MW, MB, PT, MB*, MB**	TW, TB, MT, OB*, SN, CO, BR, GH, CH, AL, VE
STANDARD COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR															
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Matte Black	Matte Black	Matte Black															
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TIER 1 - STANDARD FINISHES	TIER 2 - TYPICAL FINISHES																
MW, MB, PT, MB*, MB**	TW, TB, MT, OB*, SN, CO, BR, GH, CH, AL, VE																

STANDARD CORD / STEM / CANOPY FINISHES	PAINT TIMES																
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MW, MB, PT, MB*, MB**	TW, TB, MT, OB*, SN, CO, BR, GH, CH, AL, VE																

EXAMPLE: CO611SQXT13L35KNDXTPGLHM12MW

NOTES: 1. Lumens are based on a 10' distance. 2. Base CR is 83 with 2-step MacAdam Ellipse binning. 3. Base CR is 98 with 1 + 2-step MacAdam Ellipse binning. 4. CCT is 83 with 2-step MacAdam Ellipse binning. 5. Mounting options are WL (Wall Location), WM (Wall Mount 2" Extension), and CC (Custom Color). 6. Finish options are MB (Matte White), MB* (Matte Black), and CC (Custom Color). 7. Wall location options are WL (Wall Location), WL* (Wall Location with 1" extension), and WL** (Wall Location with 2" extension). 8. Trim options are TCY (Same Color as Cylinder), TCY* (Same Color as Cylinder with 1" extension), and TCY** (Same Color as Cylinder with 2" extension). 9. Mounting options are WM (Wall Mount 2" Extension), WM* (Wall Mount 2" Extension with 1" extension), and WM** (Wall Mount 2" Extension with 2" extension). 10. Finish options are MB (Matte White), MB* (Matte Black), and CC (Custom Color).

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6" SQUARE DIRECT FOCUSED ILLUMINATION / PHOTOMETRIC DATA

