



**TOWN OF CHAPEL HILL
Planning Department**

405 Martin Luther King Jr. Blvd.
Chapel Hill, NC 27514-5705

phone (919) 968-2728 fax (919) 969-2014
www.townofchapelhill.org

**Community Design Commission
Final Plan Application**

This application should be used to submit Final Plan applications to the Community Design Commission including building elevations, site lighting, and alternative buffers. For assistance with this application, please contact the Chapel Hill Planning Department at (919) 969-5066 or at planning@townofchapelhill.org.

Section A: Property Information

Property Address:	431 West Franklin Street, Chapel Hill, NC 27516
Zoning:	TC-2

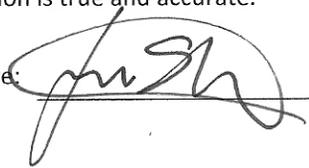
Type of Application

Building Elevation Alternative Buffers

Section B: Applicant Information (for contact purposes)

Name:	ThoughtCraft Architects, Attn. Jason Hart, AIA, Manager			
Address:	431 West Franklin Street, Suite 213			
City:	Chapel Hill	State:	NC	Zip Code: 27516
Phone Number:	919.371.0721	Email:	JW@ThoughtCraftArchitects.com	

The undersigned applicant hereby certifies that: a) the property owner authorizes the filing of this application; b) authorizes on-site review by authorized staff; and c) to the best of their knowledge and belief, all information supplied with this application is true and accurate.

Signature:  _____ Date: 8/24/2020

Parcel Identifier Number (PIN): 9788153958

The Community Design Commission meets regularly on the fourth Tuesday of each month. For confirmation of a meeting date and the placement of your request on the agenda, please contact the Planning Department at (919) 968-2728.

Final Plan Application

Please submit 2 sets of all materials, no later than the fourth Tuesday of the month prior to the meeting by 4 p.m. Materials must be collated and folded to fit into a 12" x 15" envelope. The Application Fee shall be submitted with this Application Form.

DETAILED SUMMARY OF REQUIRED INFORMATION

1. **Application fee** ([refer to fee schedule](#)) Amount Paid \$

X 2. **Digital files** – provide digital files of all plans and documents

3. **Approved Site Plan**
The site plan for the development, as approved by the Town Council, or when applicable, the Planning Board, clearly indicating all building footprints, parking areas, sidewalks, and buffers. In particular, the site plan shall clearly indicate the specific buildings that are included in the application for building elevations approval. Finished first floor elevation (height above sea level) information shall also be provided for each building, including any applicable cross section elevation changes.

X 4. **Detailed Exterior Building Elevations** – The detailed exterior elevations shall include the following:

a) Detailed Building Elevations

- A detailed list including all materials, textures, and colors for each building. If all buildings are the same, a combined list of materials, texture, and colors is acceptable. All windows, doors, light fixtures, and other appurtenant features must indicate type, style, and color.
- A straight-on, one-dimensional view of each building façade including front, side, and rear elevations.
- Color renderings, sketches, or perspective drawings.

The applicant should bring samples of all colors and materials to the Design Commission Meeting.

b) Cross-Sections

- Provide simple, typical cross-section(s) indicating how the buildings are placed on the site in relationship to topography, public access, existing vegetation, or other significant site features.

c) Floor Plans

- Show the general interior layout of the building (this aids in understanding window locations, etc.) and the relationship of pedestrian circulation and entryways.

d) Other

- Indicate the location of all HVAC, chiller, and/or ventilation units. Show how these units will be screened from the view of any relevant public rights-of-way.

All detailed building elevation plans must be the final versions. Any subsequent elevation modifications or changes in materials, color, etc., must be resubmitted for approval. If the Design Commission makes decisions based on any renderings, sketches, or artists' drawings presented at the meeting, these graphics will become the property of the Town and will need to be submitted for the formal record

X 5. **Lighting Plans**

a) Site Lighting Plan: A detailed lighting plan for all proposed lighting fixtures on the site (including parking areas, pedestrian paths, building facades, landscape uplighting, etc.). The lighting plan should clearly indicate the locations of all light fixtures. The lighting plan shall also provide isographs with foot-candle and uniform ratios, candlepower of lamps, and types of illumination for all proposed lighting fixtures. The isographs shall be provided for the full extent of the site lighting (to the point where the lighting reaches 0.0 foot-candles), even if this includes off-site areas. The isograph shall be calculated with 100% lighting, and also identify and incorporate a site's topography.

b) Cut Sheets: A detailed drawing and description shall be provided for each type of light fixture proposed on the site. The number, height, colors, and materials for each type of fixture shall be clearly indicated.

Please note that in accordance with Section 5.11 (Lighting Standards) of the Town's Land Use Management Ordinance, lighting sources shall be shielded or arrange so as not to produce, within any public right-of-way, glare that interferes with the safe use of such right-of-way or constitutes a nuisance to the occupants of adjacent properties.

For information on illuminating canopies, please refer to the Community Design Commission's "Design Standards for Canopies," which is available from the Chapel Hill Planning Department.

N/A

6. Alternative Buffer

a) Landscaping Plan: A detailed planting plan, including a plant materials table that indicates the number, size, and spacing for each plant type.

b) Other: If a fence or wall is proposed as part of the alternative buffer, a scaled drawing or rendering shall be submitted, along with a list including all materials, textures, and colors. The applicant should bring samples of such materials to the Design Commission meeting.

THE COURTYARD EAST SIDE ACCESS

431 WEST FRANKLIN STREET, CHAPEL HILL, NC 27516 | REVIEW DRAWINGS | AUGUST 25, 2020

OWNER
Vista Property Group
 200 Park Avenue South, #915
 New York, NY 10003
 212.377.3121
 contact: Hymie Mishan
 hm@vistaprop.com

ARCHITECT
ThoughtCraft Architects, PLLC
 Chapel Hill, NC 27516
 t. 919.371.0721
 contact: Jason Patterson
 j.patterson@thoughtcraftarchitects.com

ABBREVIATIONS

A.B. ANCHOR BOLT	F.E.C. FIRE EXTINGUISHER CABINET	O.F. OVER FLOW OR OUTSIDE FACE
A.C. ASPHALTIC CONCRETE OR AIR CONDITIONING	F.F.E. FINISH FLOOR ELEVATION	O.H. OPPOSITE HAND
ACOUS. ACOUSTIC	FG. FIBERGLASS	OPG. OPENING
A.D. ACCESS DOOR	FIN. FINISH	OPP. OPPOSITE
ADD. ADDENDUM	FLR. FLOOR	OHD. OVERHEAD
ADJ. ADJUSTABLE	FLUOR. FLUORESCENT	PL. PROPERTY LINE
A.F.F. ABOVE FINISH FLOOR	F.N. FIELD NAIL	PWD. PLYWOOD
A.S.F. ABOVE SUBFLOOR	F.O. FACE OF (ITEM)	P.S.F. POUNDS PER SQUARE FOOT
AL. ALUM. ALUMINUM	F.O.B. FACE OF BRICK	P.S.I. POUNDS PER SQUARE INCH
ALT. ALTERNATIVE	F.O.C. FACE OF CONCRETE	P.T. PRESERVATIVE TREATED
ANOD. ANODIZED	F.O.M. FACE OF MASONRY	P.T.S. POST TENSION SLAB
ARCH./ ARCHT. ARCHITECTURAL / ARCHITECT	F.O.P. FACE OF PANEL	PERIM. PERIMETER
ASPH. ASPHALT	F.O.S. FACE OF STUD	PERP. PERPENDICULAR
@ AT	F.P. FIREPROOFING	PLAS. PLASTER
BD. BOARD	FT. FOOT OR FEET	PLAST. PLASTIC
BET. BETWEEN	F.S. FLOOR SINK	R. RISE
B.O.F. BOTTOM OF FOOTING	F.V. FIELD VERIFY	R.D. ROOF DRAIN
BLDG. BUILDING	GA. GAUGE	REF. REFERENCE
BLKG. BLOCKING	GALV. GALVANIZED	REINF. REINFORCING
BM. BEAM	G.I. GALVANIZED IRON	RESIL. RESILIENT
B.N. BOUNDARY NAIL	GL. GLASS	RET. RETAINING
B.O. BOTTOM OF (ITEM)	GLB. GLUE LAMINATED BEAM	REQ(D). REQUIRE OR REQUIRED
BRG. BEARING	GWB, GYP.BD. GYPSUM BOARD	REQMTS. REQUIREMENTS
BSMT. BASEMENT	H.B. HOSE BIBB	R.H. RIGHT HAND
B.U. BUILT UP	H.C. HOLLOW CORE	RM. ROOM
CAB. CABINET	HDR. HEADER	R.O. ROUGH OPENING
CTR. CENTER	HDWR. HARDWARE	R.P. RADIUS POINT
CL. CENTERLINE	HGR. HANGER	S. SOUTH
C.T. CERAMIC TILE	H.M. HOLLOW METAL	S.C. SOLID CORE
CLG. CEILING	HORIZ. HORIZONTAL	SCHED. SCHEDULE
CLR. CLEAR	HT. HEIGHT	SHT. SHEET
C.J. CONTROL JOINT	H.V.A.C. HEATING VENTILATING & AIR CONDITIONING	S.F. SQUARE FEET
CMU. CONCRETE MASONRY UNIT	H.W. HOT WATER	SIM. SIMILAR
COL. COLUMN	I.D. INSIDE DIAMETER	S.P. STAND PIPE
CONC. CONCRETE	IN. INCH	SPG. SPACING
CONSTR. CONSTRUCTION	INCL. INCLUDED	SPEC. SPECIFICATION
CONT. CONTINUOUS	INT. INTERIOR	SQ. SQUARE
COORD. COORDINATE	JAN. JANITOR	S.S. STAINLESS STEEL
CORR. CORRIDOR	JST. JOIST	STAGG. STAGGERED
CSK. COUNTERSINK	JT. JOINT	STD. STANDARD
C. CHANNEL	KIT. KITCHEN	STIFF. STIFFENED
d PENNY (NAIL)	LAM. LAMINATED	STR. STRUCTURAL
DBL. DOUBLE	L.G. LAG BOLTS	STL. STEEL
DET. DETAIL	L.H. LEFT HAND	T. TREAD
DIA. DIAMETER	L.L. LIVE LOAD	T.O.C. TOP OF CURB OR TOP OF CONCRETE
DIAG. DIAGONAL	LLH. LONG LEG HORIZONTAL	T & G TONGUE AND GROOVE
DIAPH. DIAPHRAGM	LLV. LONG LEG VERTICAL	THR. THRESHOLD
D.F. DRINKING FOUNTAIN OR DOUGLAS FIR	LONGIT. LONGITUDINAL	T.J. TOOLED JOINT
DIM. DIMENSION	L.P. LOW POINT	T.N. TIE NAIL
D.L. DEAD LOAD	L.W.C. LIGHT WEIGHT CONCRETE	T.O. TOP OF (ITEM)
DN. DOWN	MAS. MASONRY	T.O.F. TOP OF FOOTING
D.S. DOWNSPOUT	MATL. MATERIAL	T.O.S. TOP OF SLAB
DWG. DRAWING	MAX. MAXIMUM	T.O.W. TOP OF WALL
DWLS. DOWELS	MECH. MECHANICAL	TRANS. TRANSVERSE
DWR. DRAWER	MEMB. MEMBRANE	TYP. TYPICAL
E. EAST	MTL. MET. METAL	U.N.O. UNLESS NOTED OTHERWISE
EA. EACH	MFR. / MANUF. MANUFACTURER	V.B. VAPOR BARRIER
E.B. EXPANSION BOLT	MIN. MINIMUM	VENT. VENTILATION
E.J. EXPANSION JOINT	MISC. MISCELLANEOUS	VERT. VERTICAL
EL. ELEVATOR	N. NORTH	V.I.F. VERIFY IN FIELD
ELEV. ELEVATION	N.I.C. NOT IN CONTRACT	W. WEST
ELEC. ELECTRIC(AL)	NO. NUMBER	W/ WITH
E.N. EDGE NAIL	N.T.S. NOT TO SCALE	WD. WOOD
ENC. ENCLOSURE	NC. NON COMBUSTIBLE	W.GL. WIRE GLASS
E.T.R. EXISTING TO REMAIN	NR. NON RATED	W.H. WATER HEATER
EQ. EQUAL	O.C. ON CENTER	W/O WITHOUT
E.W. EACH WAY	O.D. OUTSIDE DIAMETER	WP. WATERPROOF
EXT. EXTERIOR		W.P.J. WEAKENED PLANE JOINT
EXST. EXISTING		W.R. WATER RESISTANT
F.B. FLAT BAR		WT. WEIGHT
F.D. FLOOR DRAIN		W.W.F. WELDED WIRE FABRIC
F.F., FIN.FLR. FINISH FLOOR		YD. YARD
FDN. FOUNDATION		
F.E. FIRE EXTINGUISHER		



LOCUS PLAN



DRAWING LIST

	COVER
A1.0	EXISTING SITE SURVEY
A1.1	FLOOR PLANS
A3.1	PROPOSED ELEVATIONS
A3.2	SIGNAGE DIAGRAM / MATERIALS
A4.1	PROPOSED BUILDING SECTIONS
ESL1.0	ELECTRICAL - SITE LIGHTING PHOTOMETRICS

OPPORTUNITIES FOR EAST SIDE ACCESS

- INCREASE COMMUNITY CONNECTIVITY AND WALKABILITY
- INCREASE VISIBILITY OF COURTYARD AND EAST PARKING LOT ALIKE
- INCREASE USE OF EAST PARKING LOT
- PROMOTE RETAIL BUSINESSES IN DOWNTOWN

SYMBOL KEY

288.22	ELEVATION TAG	306	DOOR TAG
20.2	KEYNOTE	#1/A#.#	DETAIL BUBBLE
201	WALL TAG	01/A1.1	ELEVATION TAG
10	EQUIPMENT TAG	01/A1.1	SECTION TAG
A20	WINDOW TAG	WD01	FINISH / FIXTURE TAG

**THE COURTYARD
EAST SIDE
ACCESS**

431 W. FRANKLIN STREET
CHAPEL HILL, NC 27517

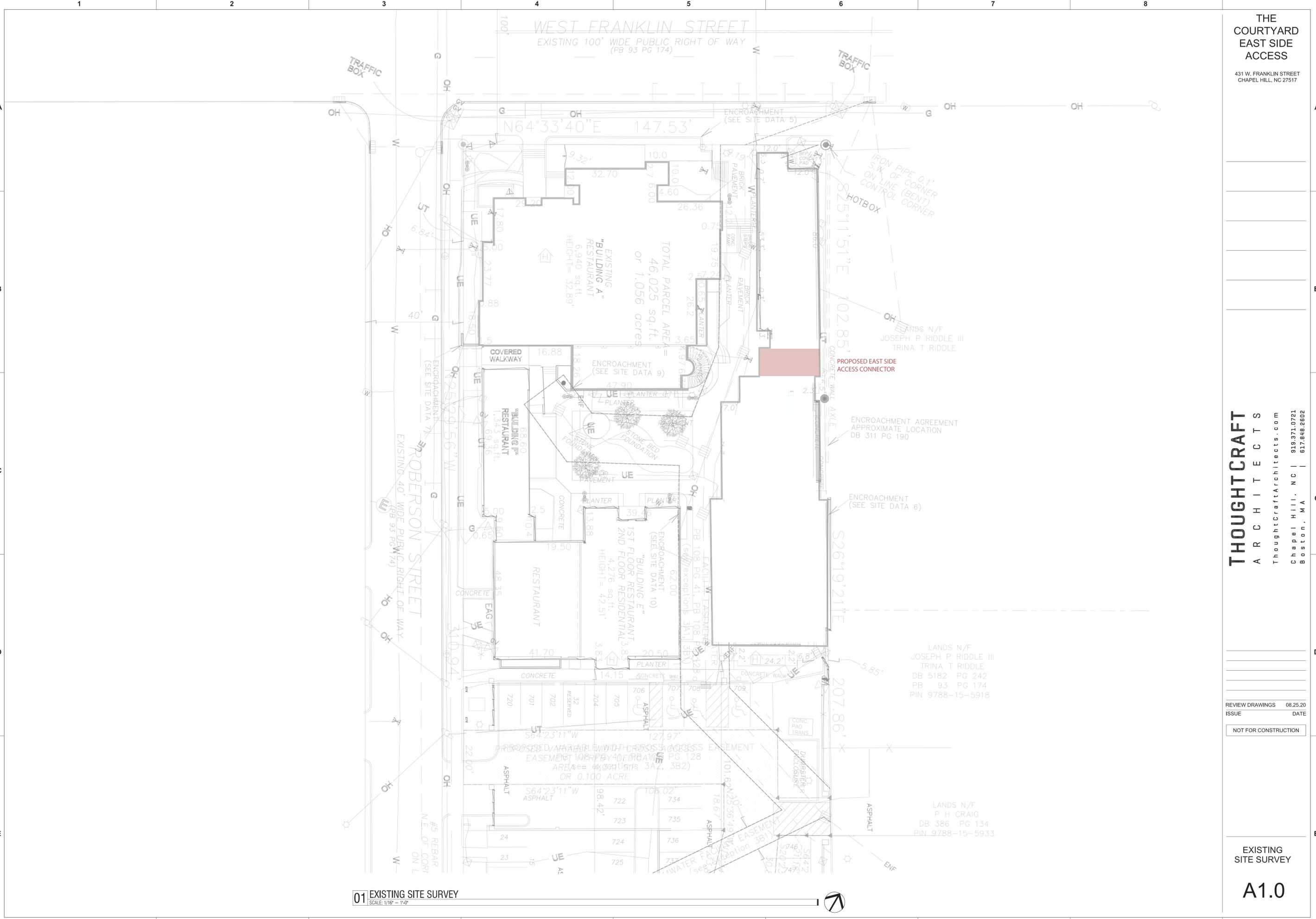
THOUGHTCRAFT
ARCHITECTS
ThoughtCraftArchitects.com
Chapel Hill, NC | 919.371.0721
Boston, MA | 617.648.2602

REVIEW DRAWINGS 08.25.20
ISSUE DATE

NOT FOR CONSTRUCTION

EXISTING
SITE SURVEY

A1.0



01 EXISTING SITE SURVEY
SCALE: 1/16" = 1'-0"



THE
COURTYARD
EAST SIDE
ACCESS

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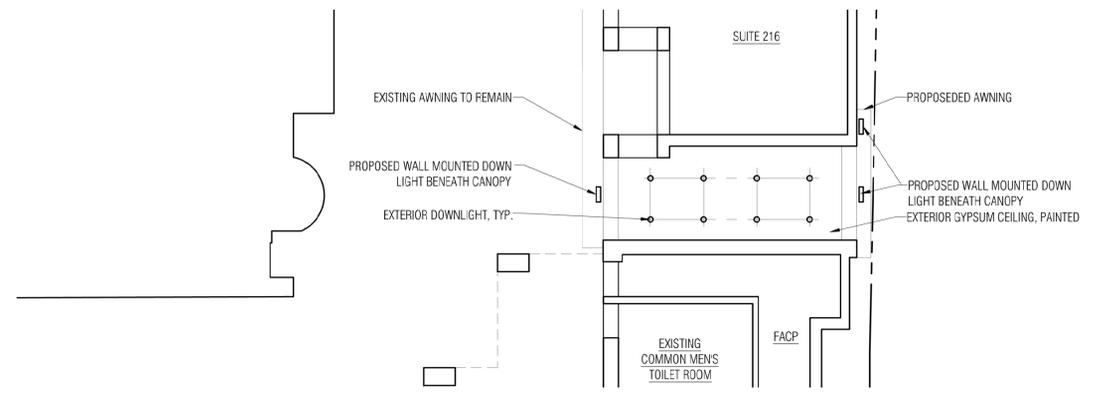
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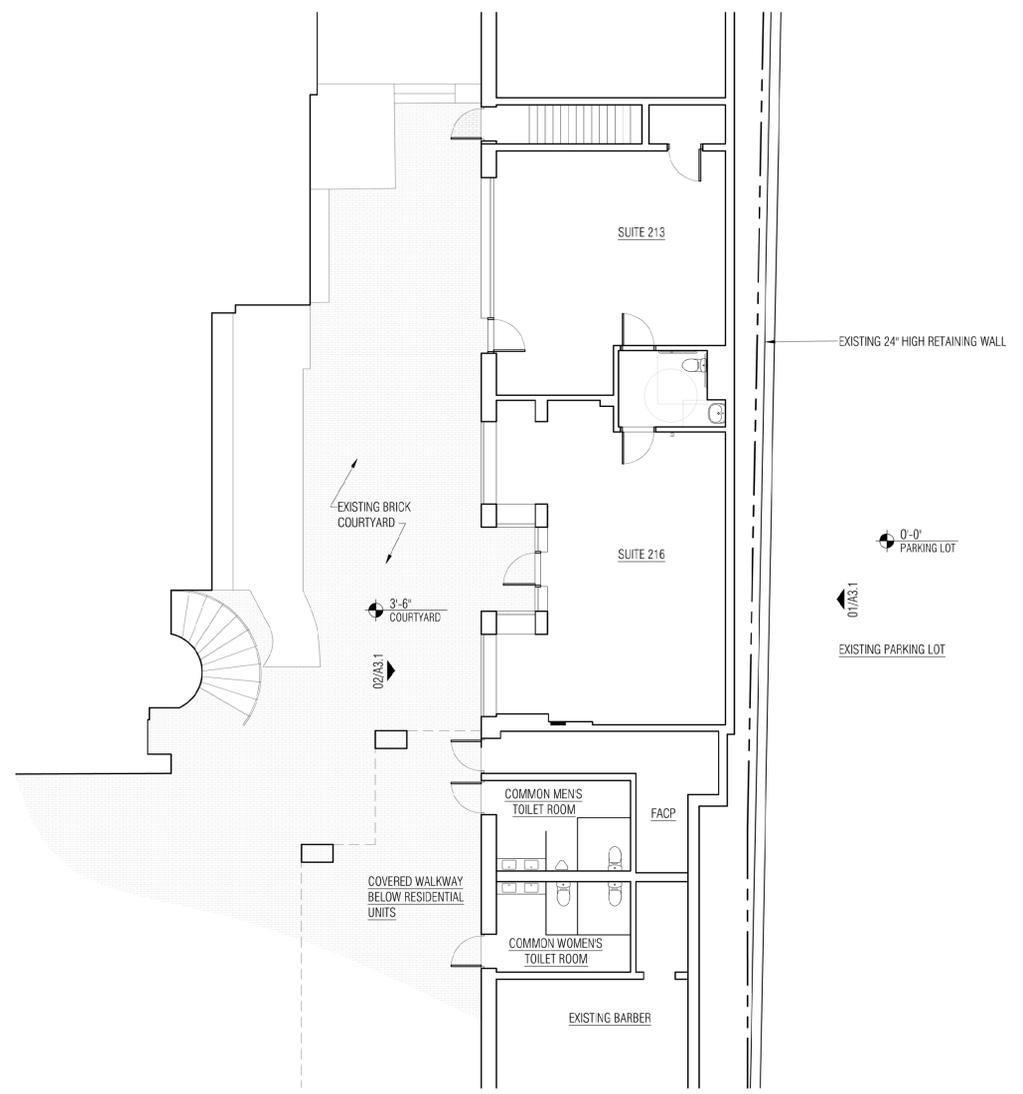
FLOOR PLAN

A1.1

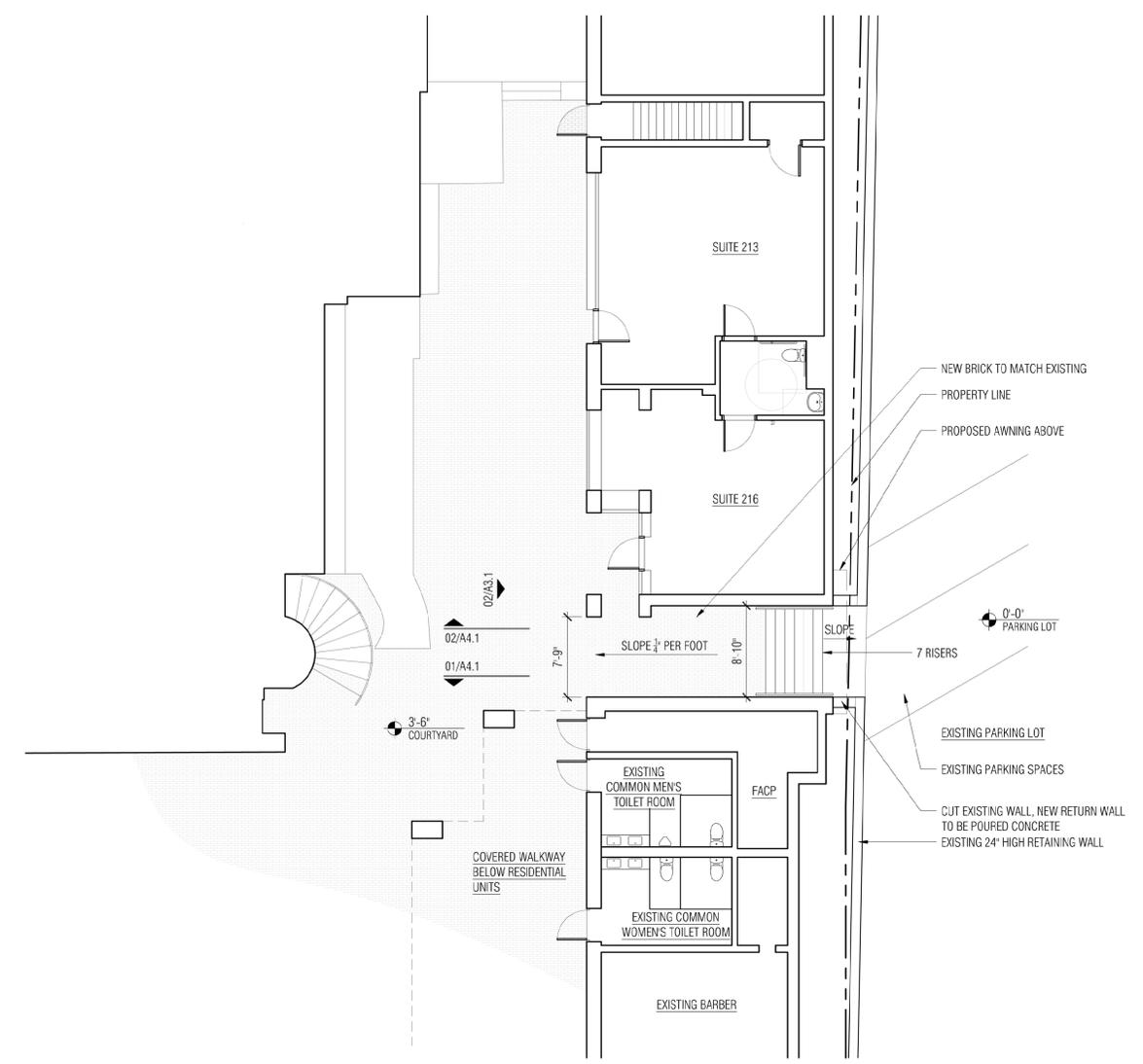
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03 PROPOSED REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



02 EXISTING FLOOR PLAN
SCALE: 1/8" = 1'-0"



01 PROPOSED FLOOR PLAN
SCALE: 1/8" = 1'-0"

THE
COURTYARD
EAST SIDE
ACCESS

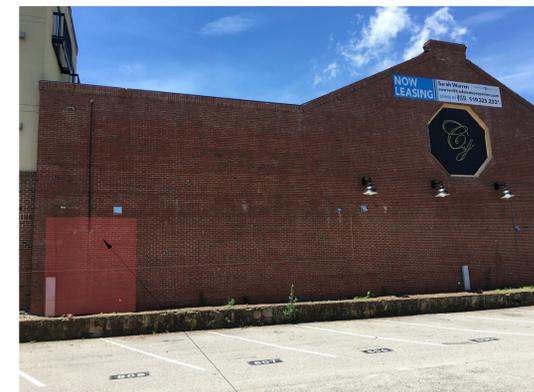
431 W. FRANKLIN STREET
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VIEW FROM COURTYARD AT PROPOSED ACCESS



VIEW FROM COURTYARD AT PROPOSED ACCESS



VIEW FROM PARKING LOT AT PROPOSED ACCESS

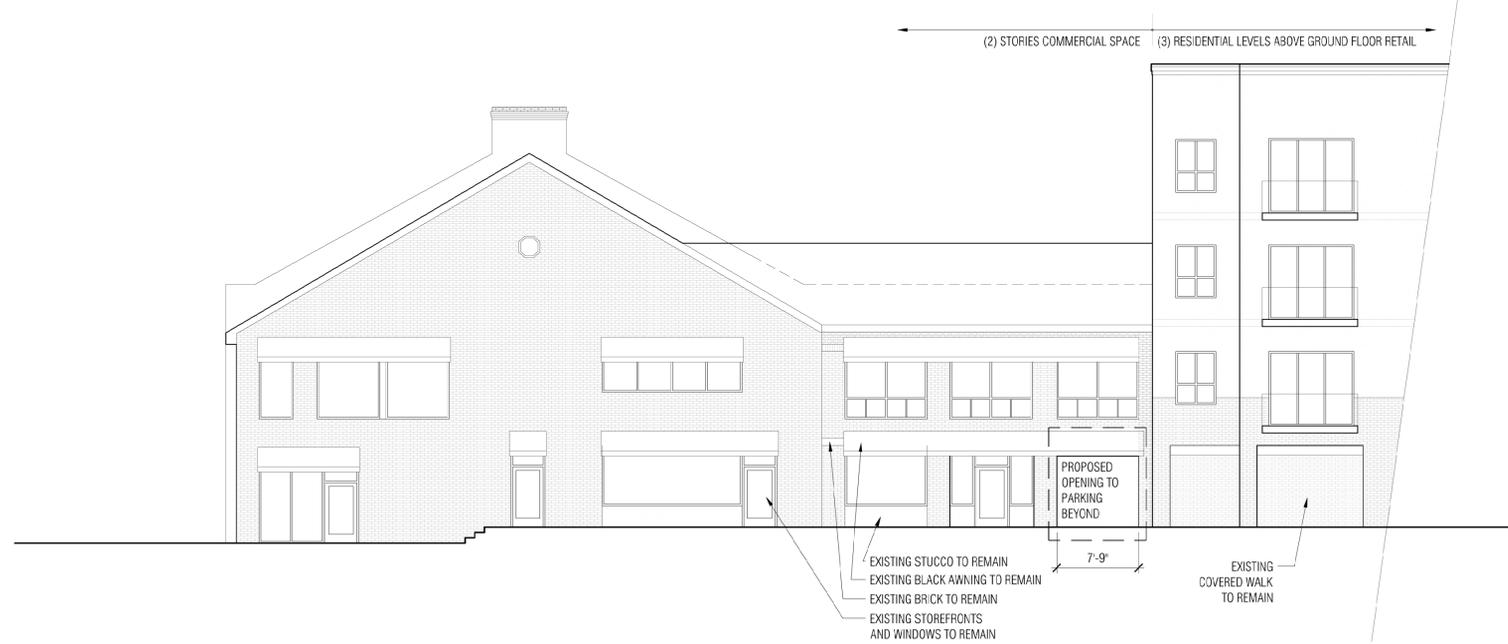
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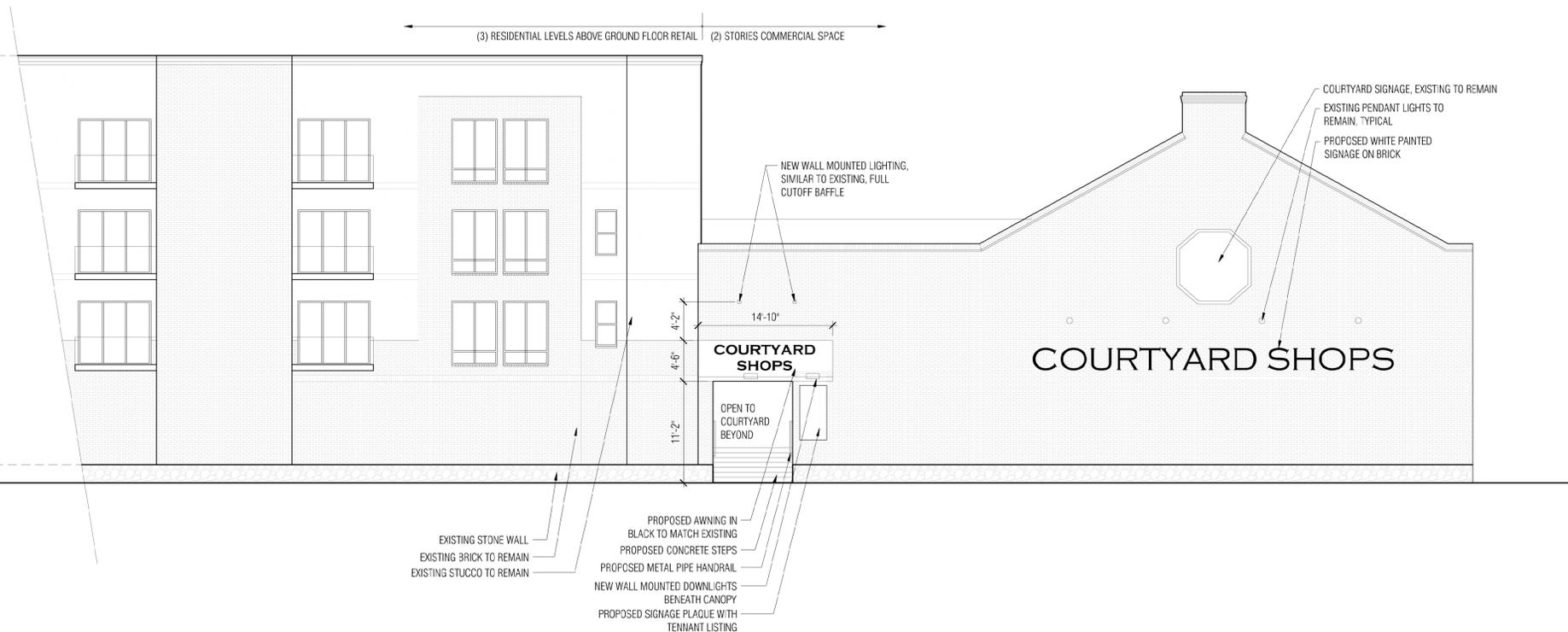
NOT FOR CONSTRUCTION

PROPOSED
ELEVATIONS

A3.1



02 PROPOSED PARTIAL WEST ELEVATION AT COURTYARD SIDE
SCALE: 1/8" = 1'-0"



01 PROPOSED PARTIAL EAST ELEVATION AT PARKING LOT SIDE
SCALE: 1/8" = 1'-0"

THE
COURTYARD
EAST SIDE
ACCESS

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PROPOSED BRICK TO MATCH EXISTING BRICK:

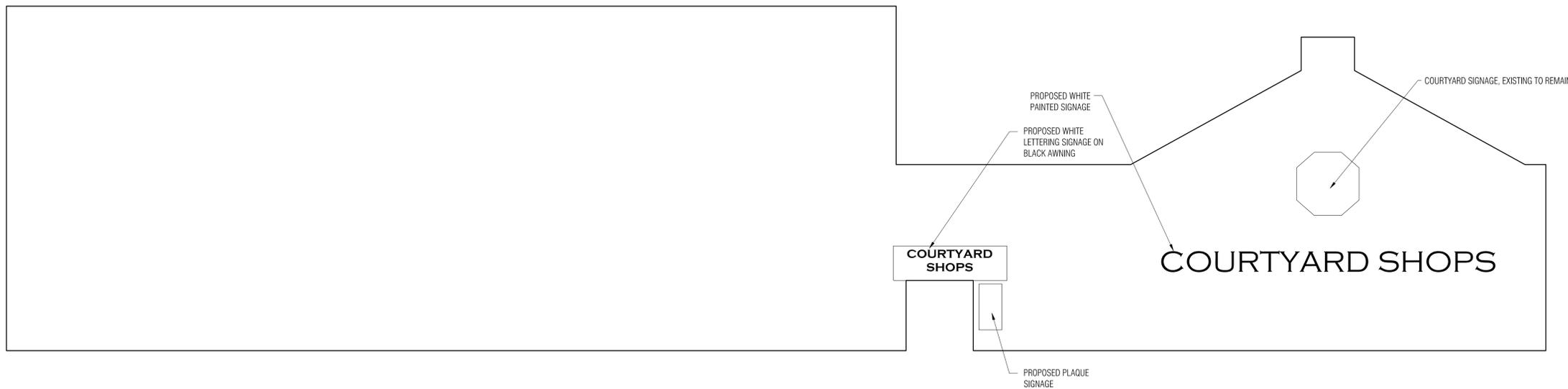


03 EXISTING BRICK
NTS

PROPOSED BLACK AWNING ON EAST ELEVATION TO MATCH EXISTING:



02 EXISTING BLACK AWNING
NTS



PROPOSED SIGNAGE (PER CH SIGNS DATED JUNE 19)
ZONING: TC-2
SIGN AREA ALLOCATION (MAX): MAXIMUM 5% OF THE BUILDING
FACADE FOR ALL SIGN TYPES COMBINED

TOTAL SURFACE AREA OF BUILDING FACADE: 7,641 SF
5% OF BUILDING FACADE: 382 SF (7,641 x .05 = 382)

EXISTING SIGNAGE TO REMAIN: 60 SF
PROPOSED BUILDING FACADE SIGNAGE:
-AWNINGS: 75 SF
-PLAQUE: 30
-WHITE PAINTED LETTERS ON BRICK: 180 SF

TOTAL ALLOWED SIGNAGE SF: 382 SF
TOTAL SIGNAGE: 345 SF

REVIEW DRAWINGS 08.25.20
ISSUE DATE

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01 SIGNAGE DIAGRAM
SCALE: 1/8" = 1'-0"

SIGNAGE DIAGRAM
/ MATERIALS

A3.2

THE
COURTYARD
EAST SIDE
ACCESS

431 W. FRANKLIN STREET
CHAPEL HILL, NC 27517

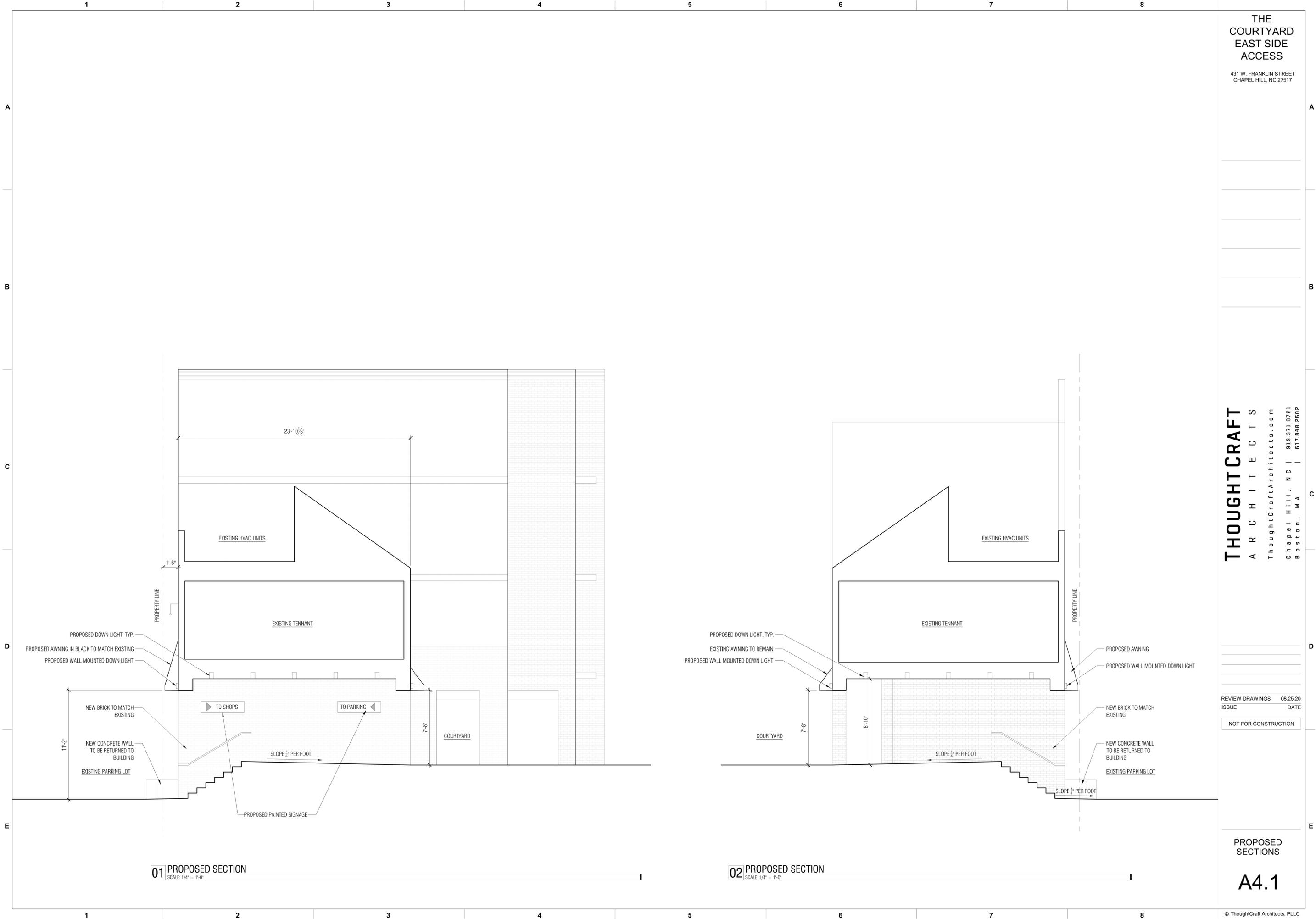
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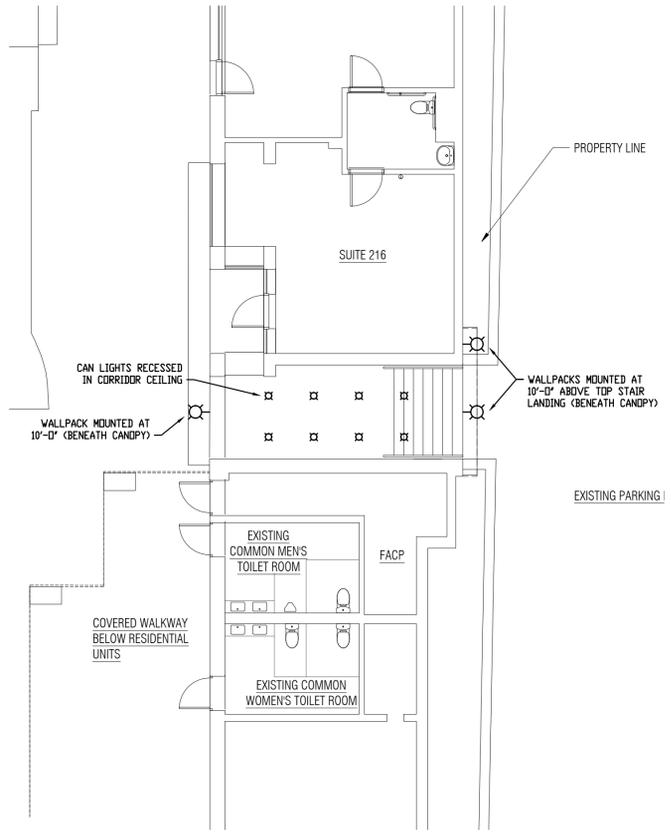
PROPOSED
SECTIONS

A4.1

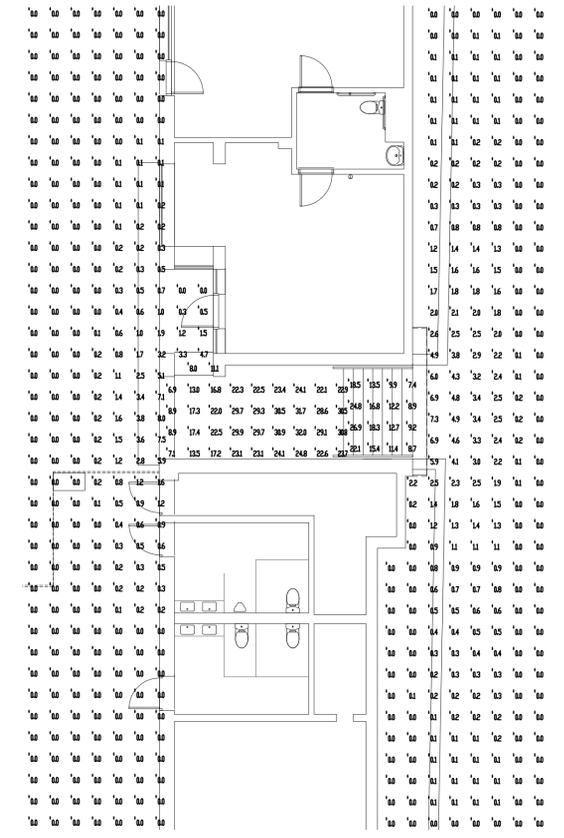


01 PROPOSED SECTION
SCALE: 1/4" = 1'-0"

02 PROPOSED SECTION
SCALE: 1/4" = 1'-0"



1 FLOOR PLAN - EXTERIOR LIGHTING
 SCALE: 1/8" = 1' - 0"



2 FLOOR PLAN - PHOTOMETRICS
 SCALE: 1/8" = 1' - 0"

- NOTES**
1. VERIFY AND COORDINATE ALL LIGHT FIXTURE LOCATIONS WITH SITE, ARCHITECTURAL, HARDSCAPE/LANDSCAPING, ETC. PRIOR TO BEGINNING WORK.
 2. COORDINATE ALL CONDUIT ROUTINGS, POLE BASES AND OTHER UNDERGROUND INSTALLATIONS WITH UNDERGROUND UTILITIES AND OTHER UNDERGROUND COMPONENTS PRIOR TO BEGINNING WORK.
 3. EXTERIOR PHOTOMETRIC CALCULATIONS ARE BASED ON LIGHTING LAYOUT SHOWN ON THIS SHEET UTILIZING LIGHT FIXTURES AS INDICATED IN CUT SHEETS MOUNTED AT HEIGHTS INDICATED IN PLANS.
 4. ALL EXTERIOR LIGHTS SHALL BE FULL CUTOFF.

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ELECTRICAL - SITE
 LIGHTING
 PHOTOMETRICS

ESL1.0

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.
CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step SDCM; 80 CRI minimum. 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

70% lumen maintenance at 60,000 hours.

LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. ENERGY STAR® certified product.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: 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.



A+ Capable options indicated by this color background.

Catalog Number
Notes
Type



LDN6

**6" Open and WallWash LED
Non-IC
New Construction Downlight**



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN6 35/15 L06AR LSS MVOLT EZ10

LDN6 Series	Color temperature	Lumens ¹	Aperture/Trim Color	Finish	Voltage
LDN6 6" round	27/ 2700K	05 500 lumens	L06 Downlight	LSS Semi-specular	MVOLT Multi-volt
	30/ 3000K	25 2500 lumens		LD Matte diffuse	120 120V
	35/ 3500K	07 750 lumens	LW6 Wallwash	LS Specular	277 277V
	40/ 4000K	10 1000 lumens			347 ³ 347V
	50/ 5000K	30 3000 lumens			
		40 4000 lumens			
		50 5000 lumens			
		20 2000 lumens			

Driver	Options
GZ10 0-10V driver dims to 10%	SF ⁴ Single fuse
GZ1 0-10V driver dims to 1%	TRW ⁵ White painted flange
EZ10 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	TRBL ⁵ Black painted flange
	EL ⁶ Emergency battery pack with integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	ELR ⁶ Emergency battery pack with remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	ELSD ⁶ Emergency battery pack with self-diagnostics, integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	ELRSD ⁶ Emergency battery pack with self-diagnostics, remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	E10WCP ⁶ Emergency battery pack, 10W Constant Power with integral test switch. Certified in CA Title 20 MAEDB
	E10WCP ⁶ Emergency battery pack, 10W Constant Power with remote test switch. Certified in CA Title 20 MAEDB
DALI10 DALI driver dims to 10%	NPP16D ⁷ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).
DALI1 DALI driver dims to 1%	NPP16DER ⁷ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.
	N80 ⁸ nLight™ Lumen Compensation
	JOT ¹³ Wireless room control with "Just One Touch" pairing
	NPS80EZ ⁷ nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
	NPS80EZER ⁷ nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.
	HAO ¹¹ High ambient option
	CP ¹² Chicago Plenum
	RRL ^{___} RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only in RRLA, RRLB, RRLAE, and RRLC12S. Refer to RRL spec sheet on www.acuitybrands.com for the RELOC product specifications.
	NLTAIR2 ^{9,10} nLight® Air enabled
	NLTAIRER2 ^{9,10} nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options
	NLTAIREM2 ^{9,10} nLight® AIR Dimming Pack Wireless Controls. UL924 Emergency Operation, via power interrupt detection. Available with battery pack options.
	USPOM US point of manufacture
	90CRI High CRI (90+)

Accessories: Order as separate catalog number.	
PS1055CP	FMC Power Sentry battery pack, T20 compliant, field installable, 10w constant power
EAC ISSM 375	Compact interruptible emergency AC power system
EAC ISSM 125	Compact interruptible emergency AC power system
GRA68 JZ	Oversized trim ring with 8" outside diameter ¹
SCA6	Sloped ceiling adapter. Refer to TECH-SCA for more options.

Notes

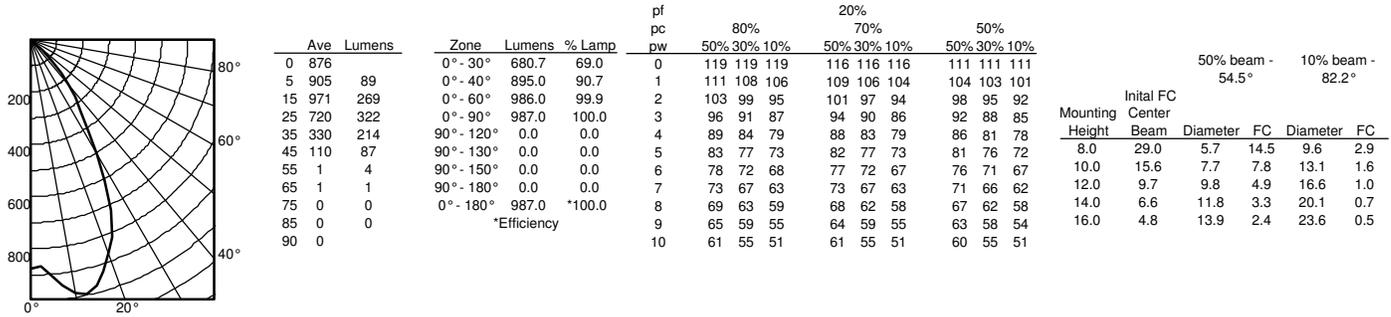
- Overall height varies based on lumen package; refer to dimensional chart on page 3.
- Not available with finishes.
- Not available with emergency options.
- Must specify voltage 120V or 277V.
- Available with clear (AR) reflector only.
- 12.5" of plenum depth or top access required for battery pack maintenance.
- Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1 drivers.
- Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options.
- NLTAIR2, NLTAIRER2 and NLTAIREM2 not recommended for metal ceiling installations.
- Fixture height is 6.5" for all lumen packages with HAO.
- Must specify voltage for 3000lm and above. 5000lm with marked spacing 24 L x 24 W x 14 H. Not available with emergency battery pack option.
- Must specify DALI driver. Not available with nLight options. Not available with CP. Not recommended for metal ceiling installation.

LDN6

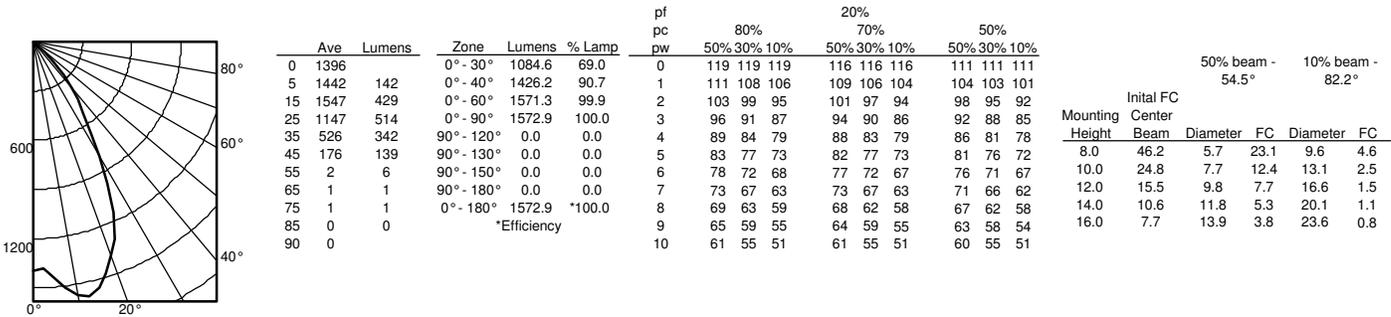
PHOTOMETRY

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

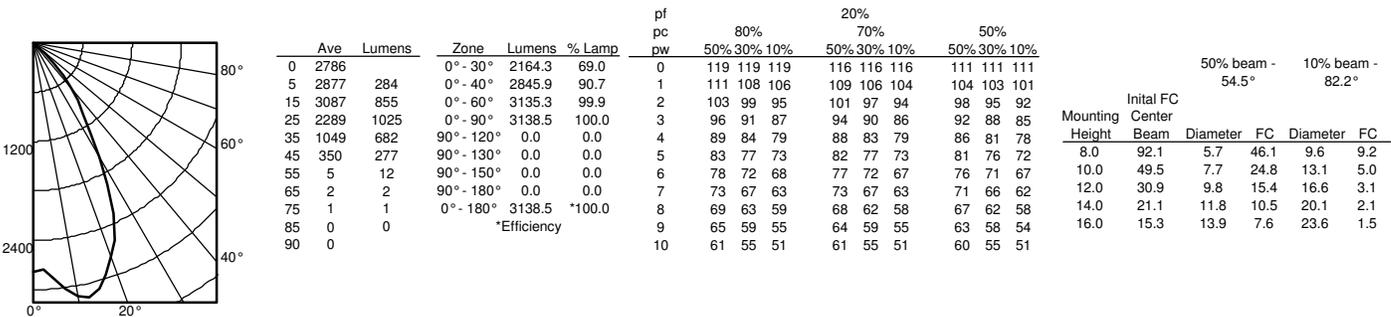
LDN6 35/10 L06AR, input watts: 10.44, delivered lumens: 987.10, LM/W = 94.54, spacing criterion at 0= 1.02, test no. ISF 30716P262.



LDN6 35/15 L06AR, input watts: 17.52, delivered lumens: 1572.9, LM/W = 89.77, spacing criterion at 0= 1.02, test no. ISF 30716P265.



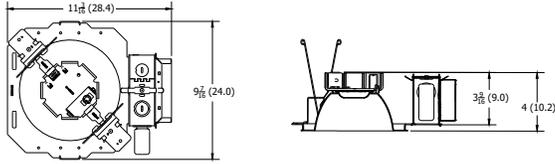
LDN6 35/30 L06AR, input watts: 34.75, delivered lumens: 3138.5, LM/W = 90.31, spacing criterion at 0= 1.02, test no. ISF 30716P274.



LDN6

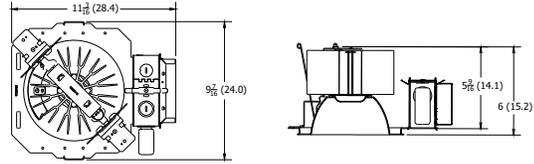
* All dimensions are inches (centimeters) unless otherwise noted.

LDN6 500 - 1500 LUMENS



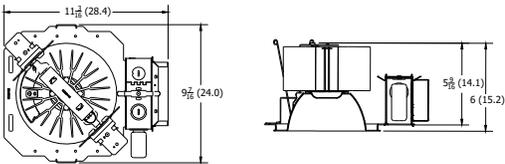
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap Trim: 7-1/2 (19.1)

LDN6 2000 - 3000 LUMENS



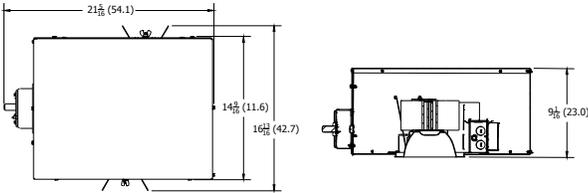
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap Trim: 7-1/2 (19.1)

LDN6 4000 - 5000 LUMENS



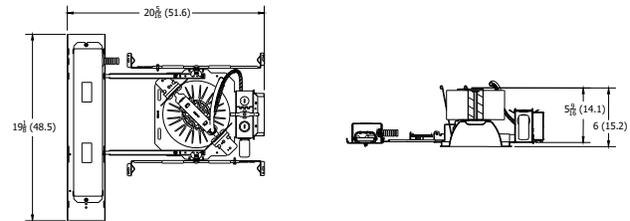
Marked Spacing: 24 x 24 x 10
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap Trim: 7-1/2 (19.1)

LDN6 CP



Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap Trim: 7-1/2 (19.1)

LDN6 EL



Marked Spacing above 3000 Lumens: 24 x 24 x 10
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap Trim: 7-1/2 (19.1)

LDN6			
Nominal Lumens	Lumens	Wattage	Lm/W
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

The LPW rating is also available at Designlight Consortium.

	LUMEN OUTPUT MULTIPLIERS - FINISH		
	Clear (AR)	White (WR)	Black (BR)
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

	LUMEN OUTPUT MULTIPLIERS - CCT				
	2700K	3000K	3500K	4000K	5000K
80CRI	0.950	0.966	1.000	1.025	1.101

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

ADDITIONAL DATA



The Sensor Switch JOT enabled solution offers a wireless, app-free approach to single room lighting control. JOT enabled products use Bluetooth® Low Energy (BLE) technology to enable wireless dimming and switching.

Diagram



LDN6 Series

Sensor Switch
WSXA JOT

- Power:** Install JOT enabled fixtures and controls as instructed.
- Pair:** Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
- Play:** Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DDTV	
	Diva® DVSVCTV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis 0A2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

LDN6

EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

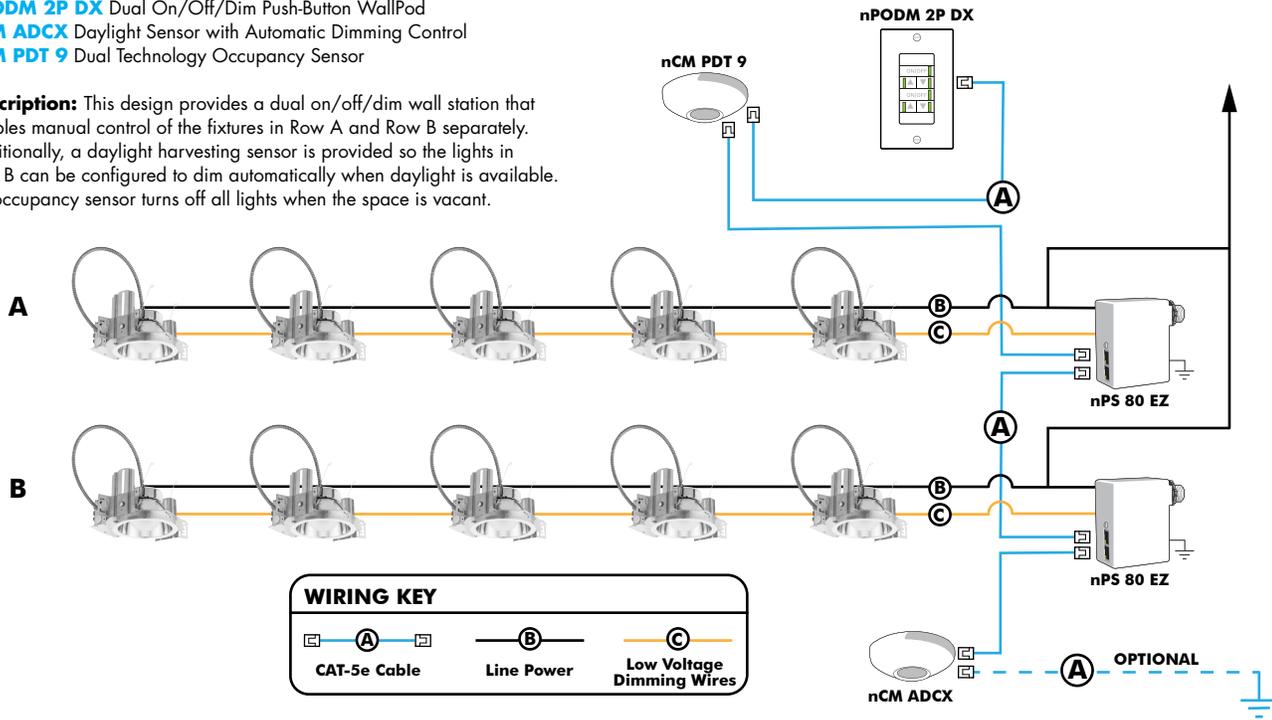
nPS 80 EZ Dimming/Control Pack (qty: 2 required)

nPODM 2P DX Dual On/Off/Dim Push-Button WallPod

nCM ADCX Daylight Sensor with Automatic Dimming Control

nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.



Choose Wall Controls

nLight offers multiple styles of wall controls - each with varying features and user experience.



Push-Button Wallpod
Traditional tactile buttons and LED user feedback



Graphic Wallpod
Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.

WallPod Stations	Model number	Occupancy sensors	Model Number
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model Number	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model Number
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1

nLight® AIR Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches

	Model number
On/Off single pole	rPODB [color]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH ¹

Notes

1 Can only be ordered with the RES7Z zone control sensor version.

nLight AIR

nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Lithonia LDN Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.



Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome





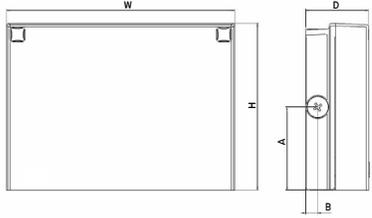
WPX LED Wall Packs



Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications



Front View

Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1	1,550 Lumens, 11W ¹ 30K 3000K	MVOLT 120V - 277V	(blank) None	DDBXD Dark bronze
WPX1 LED P2	2,900 Lumens, 24W 40K 4000K	347 347V ³	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ²	DWHXD White
WPX2 LED	6,000 Lumens, 47W 50K 5000K		E14WC Emergency battery backup, CEC compliant (14W, -20°C min) ²	DBLBXD Black
WPX3 LED	9,200 Lumens, 69W		PE Photocell ³	Note : For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V and PE options.

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection).

All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. 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. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: 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.



Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

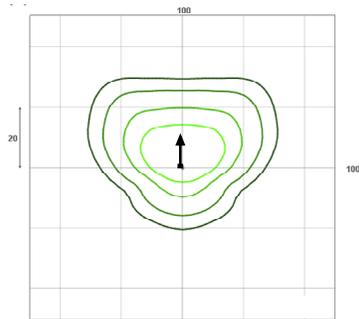
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](#) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

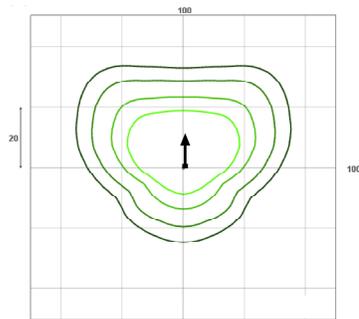
LEGEND

	0.1 fc
	0.2 fc
	0.5 fc
	1.0 fc

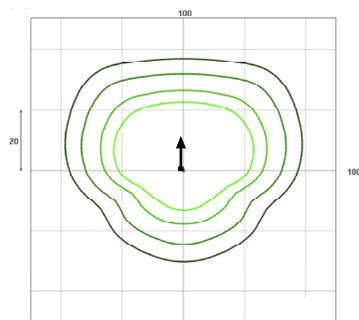
WPX1 LED P1



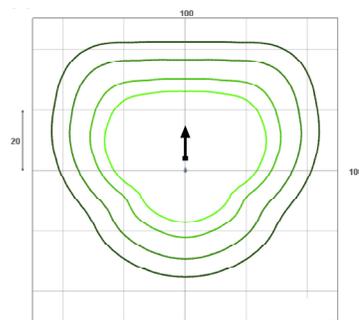
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.