

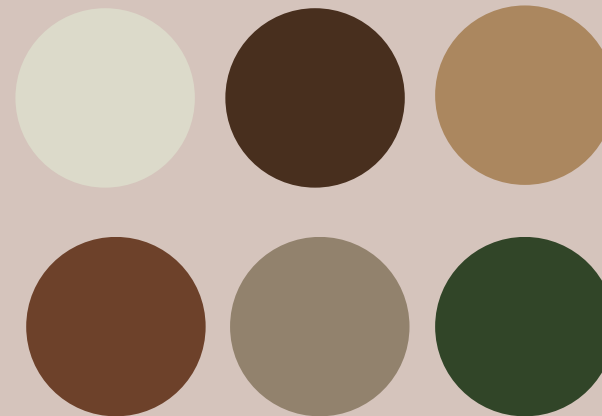
1805 bookstore
& cafe

Notebook

Beverly Bradshaw
Fall 2024

Concept Statement:

Micheal Bubbles' song "Home", has inspired this inviting bookstore where every visit feels like coming home. The store is designed around comfort and coziness, with a moody atmosphere. The bookstore features darker-toned colors and soft, minimal patterns that create a calming atmosphere. The inviting lighting that casts a gentle glow will highlight the books. There will be plush seating areas with smooth yet fluffy textures that provide the perfect spot to relax and lose yourself in a book. It will be a blend of homey unity with elegance, offering a space where you can unwind and feel truly at ease among the comforting embrace of books and thoughtful design.



Brainstorm Words:

Existence of time
Cozy
Sense of home
Nostalgic
Dreamy
Aspirational
Stable environment
Desire to reach a goal
Moody
Wanting something familiar



Elements and Principles:

- Darker toned colors
- Little movement
- Contrasting color scheme
- Cool values
- Minimal pattern
- Slip while fluffy texture
- Harmonious moody feel
- Create Depth
- Engaging visuals
- Understating emphasis



Song:
"Home" Micheal Buble

"Another winter day
Has come and gone away
In even Paris and Rome
And I wanna go home
Let me go home"

Research

- A layout with some open space will make your bookstore inviting. Ensure the aisles between shelves are wide enough for two customers to pass through or browse comfortably.
- Open area with chairs where customers can read books.
- Tall shelves against the walls, but shelves no taller than 8 feet in the interior of your store to help customers more easily find the section they're looking for.
- Organizing your books by category can help customers quickly and easily find the specific book they are looking for or leisurely browse books of a certain genre.
- Common classifications include literary fiction, science fiction, horror, romance, mystery, fantasy, poetry, drama, humor, history, biography, photography, art, travel, and do-it-yourself books.
- Shelves should be clearly labeled by genre. Signs on the walls or tops of shelves are another way to help customers easily navigate your merchandise.
- Jill Hendrix, owner of Fiction Addiction, a bookstore in Greenville, South Carolina, recommends locating your cash register and checkout area near the front door of your store. This will help you observe customers' movements and allow them to find you if they need help or have questions quickly.
- Couches and chairs are commonplace in most bookstores as they allow your customers to relax and read books they're interested in.
- Proper lighting prevents customers from reading difficulty; additional decor can also help set the mood.
- A well-designed bookstore layout encourages customer engagement and interaction. By incorporating comfortable reading areas, seating options, and even small cafes, you can create spaces where customers can relax, read, and discuss books. This fosters a sense of community and encourages customers to spend more time in the store, increasing the chances of making additional purchases.
- An optimized bookstore layout should align with the store's brand identity and target audience. Whether it's a cozy independent bookstore or a modern chain, the layout should reflect the store's unique personality and appeal to its specific customer base. Consistency in design and layout helps customers connect with the brand and fosters loyalty.
- Optimize the flow of customer traffic within your bookstore. Design clear pathways that guide customers through different sections and areas of the store. Avoid clutter and ensure there is enough space for customers to move freely without feeling cramped or overwhelmed.

- Place bestsellers and new arrivals in prominent locations within your store. These high-demand books will attract customers and encourage impulse
- purchases. Consider placing them near the entrance or in eye-catching displays to grab attention and generate interest.
- Incorporate comfortable reading and seating areas within your bookstore. Provide cozy chairs, sofas, or benches where customers can relax, browse through books, and spend more time in the store. These areas can also serve as a space for book clubs or author events, fostering community engagement.
- Ensure your bookstore has appropriate lighting that highlights the books and creates a warm and inviting ambiance. Consider using a combination of natural and artificial lighting to create a pleasant atmosphere.
- Design your bookstore's layout to encourage customers to explore and discover new books. Use inviting pathways, alcoves, or hidden nooks to create a sense of intrigue and adventure.

Coffee Shop-

- A bookstore and cafe allows “bookworms” to purchase their favorite titles, discover new books, and enjoy a beverage or snack while they find books they like.
- While books serve as the main attraction, a cafe helps add a layer of customer service by offering customers convenience while they shop.
- Makes the experience more memorable
- Providing a place for people to sit and stay awhile creates a relaxed, welcoming environment that makes customers want to return.
- Will attract new customers
- Encourages customers the stay longer

Displays-

- An optimized layout provides ample opportunities to highlight special offers, promotions, and featured books. By strategically placing these displays, you can capture customers' attention and entice them to explore new titles, bestsellers, or discounted books. This boosts sales and adds excitement and variety to the shopping experience.

<https://superpayit.com/blog/how-can-you-create-the-perfect-in-store-layout-for-your-bookstore-cloojv1x0319321vme8q9fozsq/>

<https://smallbusiness.chron.com/bookstore-layouts-39830.html>

<https://booknet.com.au/resources/5-ways-your-bookstore-could-benefit-from-adding-a-cafe/#>

The 4 Design Elements of Light:

- Brightness
- Color
- Distribution
- Movement

Ambient/Diffuse Lighting:

- Ambient lighting provides overall illumination and a comfortable level of brightness. It is the general light that allows you to see.
- Diffuse light is a distribution of light that is dispersed in a wide pattern from any particular direction (i.e., it is not focused and has very little apparent contrast)

Task Lighting:

- Illuminates areas where work is performed- reading, writing, food preparation, etc. Requires sufficient, well-diffused quantities of illumination that come over the shoulder or from the other side.

Accent Lighting:

- Creates a mood and adds interest to a room by highlighting or spotlighting certain areas and objects, such as paintings and sculptures
- Residence and stores both use an abundance of track lighting and recessed adjustable lighting to deliver a narrow beam of light used for accent.

Common Distribution of Light:

- Luminaires and Fixtures- are good for creating ambient light. However, they must be hung at the correct height, as glare from the light source can be uncomfortable.
- Track Lighting: Offers flexibility in your design. It can create ambient, task, and decorative lighting.
- Chandeliers: Ideal for adding sparkle and interest in the space.
- Recessed Lights: Can be used from ambient light or directional light by utilizing eyeball fixtures that can be directed.

Common Luminaires:

- Downlight- directs light downward. Maybe recessed, surface mounted or pendant.
- Adjustable or Accent- Use a directional lamp or a lamp set within an adjustable reflector on a pivoting arm.
- Wall washer- a special form of downlight. A specially shaped reflector, often paired with a lens, is used to create an asymmetric wash of light to illuminate a wall from top to bottom
- Wall Grazer is another specialty downlight. It is a technique that projects light at a nearly vertical angle down the face of a wall.
- Track lighting- typically a straight metal channel with internal wiring.
- Fluorescent strip- straightforward, consisting of a metal box holding the ballast and sockets, which in turn hold the lamp.

Exit Sign Requirements:

- Approved exit signs shall mark access to exits. No point along the path of egress shall be more than 100' from the nearest visible sign.
- Changes in directions and routes that are not immediately apparent shall be marked by signs containing "EXIT" and a directional indicator.
- The letter size and directional indicators shall comply with the minimum requirements of the Life Safety Code.
- Exit Signs shall be illuminated when the facility is occupied and shall remain visible for 90 minutes after a power failure of the normal lighting supply.

Emergency Light Requirements:

- Provide an average initial illumination of 1 footcandle along the path of egress.
- Lighting required throughout the path of egress.
- Operate for a minimum of 90 minutes after the failure of the normal lighting supply.

IES Footcandle Recommendations		
The following selected footcandle ranges represent the Illuminating Engineer Society's (IES) current illuminance recommendations. Individual applications will determine exact footcandle levels. Please refer to the IES Lighting Handbook for more detailed evaluation.		
Airplane Manufacturing	Garages-Motor Vehicles	Mail sorting.....50-100
Drilling, riveting, screw fastening.....75	Storage.....5	Off-set printing and duplicating area.....20-50
Final assemble, hangar.....100	Traffic Lanes.....10	Spaces with VDT's.....75
Inspection.....50-200	Parking garage.....10-20	Paint Shop
Welding.....50	Service garage.....50	Spraying, rubbing, hand art, stencil.....20-50
Assembly	Repair area.....50-100	Fine hand painting & finishing.....50-100
Rough easy seeing.....20-50	Gymnasiums	Paper Manufacturing
Rough difficult seeing.....50-100	Assemblies.....10	Beaters, grinding.....20-50
Medium.....100-200	General exercise & recreation.....30	Finishing, cutting.....50-100
Fine.....200-500(a)	Exhibitions, matches.....50	Hand cutting.....50-100
Extra fine.....500-1000(a)	Hospitals	Paper machine reel, inspection.....100-200
Auditoriums	Rooms.....10-30	Rewinder.....100-200
Social activities.....5-10	Corridors.....5-30	Printing
Assembly only.....10-20	Emergency rooms.....50-100	Photo engraving, etching, blocking.....20-50
Exhibitions.....10-20	Operating rooms.....100-200	Color inspecting.....100-200
Automobile Manufacturing	Hotels	Presses.....50-100
Final assembly, finishing, inspecting.....200	Bathrooms.....20-50	Proofreading.....100-200
Body & chassis assembly.....100	Bedrooms for reading.....20-50	Composing room.....50-100
Body parts manufacturing.....100	Corridors, elevators and stairs.....10-20	Schools
Frame assembly.....50	Front desk.....50-100	Reading.....20-100
Banks	Linen room.....100-200	Typing.....20-100
Lobby general.....10-50	Sewing.....100-200	Demonstrations.....100-200
Writing areas.....20-70	General.....10-20	Sewing.....20-100
Teller stations, posting & keypunch.....50-150	General lighting.....10-20	Sheet Metal Works
Barber Shops	Reading and working areas.....20-50	General.....100
Beauty Parlors.....50-100	Iron & Steel Manufacturing	Tin plate inspection, galvanized, scribing.....100-200
Chemical Works	Stock, hot top, checker cellar, calcining.....10-30	Stores
.....30	Building, slag pits, stripping yard.....20	Circulation area stockroom.....10-30
Clothing Manufacturer	Control platforms, repairs, mixer building.....30	Merchandising, serviced.....30-100
Receiving, storing, shipping, winding, measuring.....20-50	Rolling mills.....30-50	Merchandising, self-service.....200
Pattern making, trimming.....50-100	Shearing.....50	Textile Mills
Shops, marking.....50-200	Tin plate.....50	Cotton picking, carding, roving, spinning.....50
Cutting, pressing.....100-500(a)	Motor room, machine room.....30	Beaming & slashing.....150
Sewing, inspection.....200-500(a)	Inspection.....100	Drawing.....200
Electrical Equipment Manufacturing	Laundries	Others.....100
Impregnating.....20-50	Washing.....20-50	Warehousing, Storage
Insulating coil winding, testing.....50-100	Ironing.....20-100	Inactive.....5-10
Food Service Facilities	Library	Active.....10-20
Dining areas	Ordinary reading, stacks.....20-50	Rough bulky.....10-20
Cashier.....20-50	Book repair and binding.....20-50	Medium.....20
Cleaning.....10-20	Study & notes, cataloging, card files, check desk.....20-100	Fine.....20-50
Dining.....5-20	Machine Shops	Welding
Food displays.....30-100	Rough bench.....20-50	General.....20-50
Kitchen.....50-100	Medium bench, rough grinding, buffing.....50-100	Woodworking
Foundries	Fine bench and work.....200-500(a)	Rough sawing and bench work.....20-50
Annealing furnaces.....20-50	Materials Handling	Sizing, planing, rough sanding, medium quality machine and bench work, gluing, veneering, cooperage.....20-50
Cleaning.....20-50	Loading trucking.....10-20	Fine bench and machine work, fine sanding and finishing.....50-100
Core making.....50-200	Picking stock classifying.....20-50	Footnotes:
Inspection.....50-200	Wrapping, packing, labeling.....20-50	(a) Obtained with a combination of general light plus specialized supplementary lighting
Fine.....100-500	Offices	(k) Or not less than 1/5 the level in adjacent areas
Medium.....50-100	Accounting.....50-100	
Molding.....50-200	Audio-visual areas.....20-50	
Pouring, sorting.....50-100	Conference areas.....20-70	
	Corridors, stairways.....20(k)	
	Drafting.....50-200	
	General and private offices.....50-100	
	Lobbies, lounges and reception areas.....0-20	

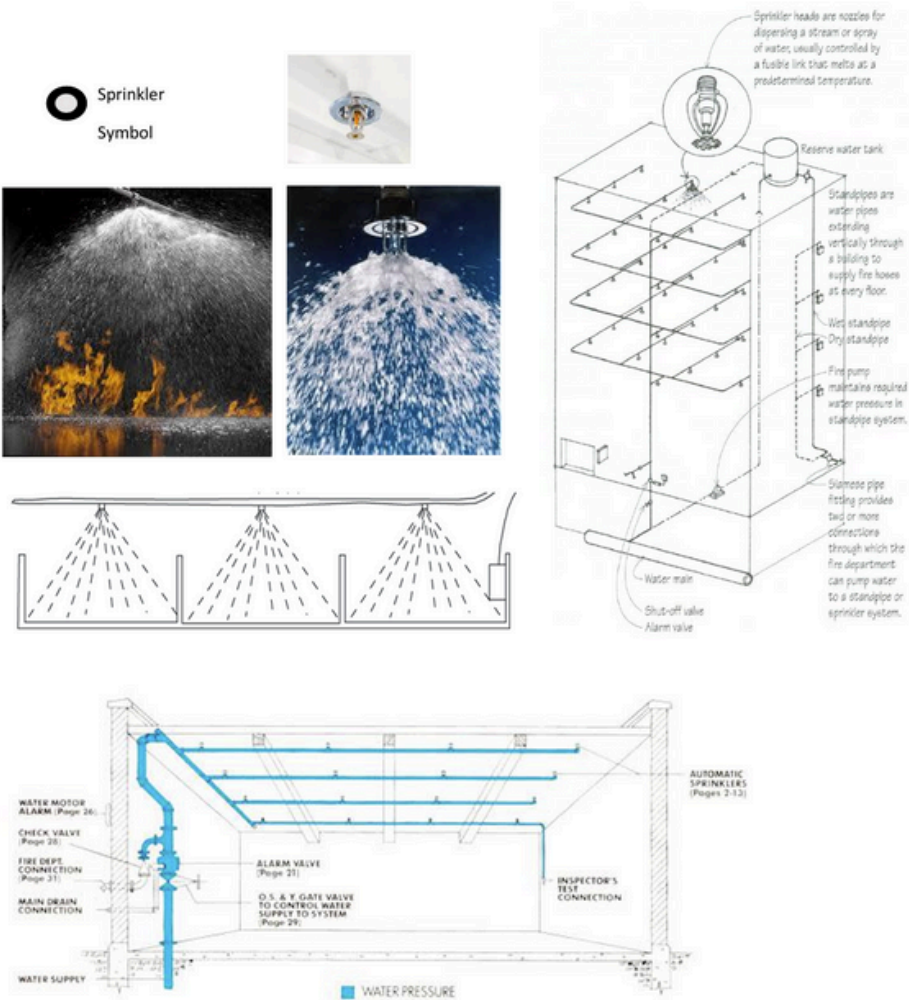
COLOR RENDITION INDEX

- Light Source CRI
- Sun, Incandescent lamps 100
- High-Quality Fluorescent 82-90+
- Mid-Quality Fluorescent 70+
- Ceramic Metal Halide 82-95
- High-Pressure Sodium (streetlights) 22
- LED up to 97

Fire Sprinklers

WILL run in straight lines







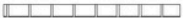
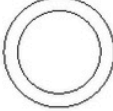




Each head covers a 10' diameter circle



Light Reflective Values of Colour



- Figures are approximate -

Lighting Task	IES FC Range	Fixture/Manufacturer	Quantitiy	Tag Number	Lighting symbol	Order Number	Lamp	Number of lamps per fixture	Lamp FC or Lumens	Aiming Angle	Desired Effect	Mounting Height and Surface Material	CRI	Color Temp	Total wattage
All Lighting															
Store / Mechandising	30-100fc	Philips Lighting- Lux Space, recessed	28	RC-1		9.10505E+11	16.4 W, D200 mm, 1850 lm, 3000 K, Matt	1	113 lm/W	0°	Ambient	10' AFF- Gypsum/Dry wall	>80	3000k	16.4W
Reading	20-50fc	Savoy House - Sommerton Wide Pendant	2	HP-1		7-5014-3-84	E27 cap, Low voltage, Clear Incandescent bulb	1	970 lm	0°	Task/Ambient	8' AFF- Gypsum/Dry wall	100	2700k	60W
Library / Bookshelf Lighting	20-100fc	Vax Lamp- Pendant Light Nordic Minimalist	23	HP-2		APL03105	Integrated LED	1	LED	0°	Task/Accent	9'AFF- Gypsum/Dry wall	N/A	2700-3500k	60W
Reading	20-50fc	Cedar & Moss - Tilt Cone	8	WS-1		N/A	A15 LED Light Bulb	1	750 lm	Adjustable	Task	3' AFF - Custom Wood Paneling	90	2700k	8W
Bathroom Vanity	20-50fc	Exbrite 4-Light, 32" Wide Bathroom Vanity Lights Crystal	1	WS-2		Fixture- SKU: XY-1401 . Lamp- 589689	11A19/CNG/827/FR /P/E26/D12/1CT	4	100 lm/W	0°	Task/ Ambient	80" AFF- Gypsum/Dry Wall	90	2700k	60W
Accent Lighting to Book Display	20-100fc	Gammalux- G Beam Wall Wash	2	WW-1		N/A	GB25WWRC-LED-OP	1	28fc	0°	Wall Wash-Accent	10' AFF- Gypsum/Dry wall	80	3500k	5.8W/Ft
Accent Lighting to Café Wall	20-100fc	Philips- Slim LED Strip	11 L/Ft	LEDS-1		9.29003E+11	Master LED Strip	1	120lm/W	0°	Wall Wash-Accent	8' AFF- Gypsum Dry Wall in Cove	90	2700k	N/A
Dining Area	5-20fc	Visual Comfort & Co. - Siena Small Flush Mount	12	FM-1		Fixture: #SS 4015BZ-WG Lamp: VB20011A	Branded Lamps E26 A19 FROSTED	2	1100lm	0°	Ambient	10' AFF- Wood beam panels	90	2700k	11W
Reading	20-50fc	Visual Comfort & Co. - Walker Swing Arm Sconce	1	WS-3		Fixture: #KS 2075G-L Lamp: VB20011A	Branded Lamps E26 A19 FROSTED	1	1100lm	0°	Ambient/Task	3' AFF - Custom Wood Paneling	90	2700k	11W
Front Desk	50-100fc	Visual Comfort & Co.- Cross Bouillotte Small Sconce	2	WS-4		Fixture: #CHD 1190AB-L. Lamp: VB10001A	Branded Lamps E12 C11 FROSTED	2	350lm	0°	Ambient/Accent	5' AFF- Custom Wood Paneling	90	2700k	4W
Cashier / Food Display	30-100fc	Philips- Track Light	1	TL-1		N/A	Philips COB with high reflective aluminum reflector	5	1200lm	340° Rotation. 10° Upward. 90° Downward	Task	9'6" Wood Beam	80	3000k	15W
Emergency Lighting	50-100fc	The Exit Light Co.- Red LED Thin Exit Light Combo Fully Adjustable Lamp Heads	10	E-1		COMBOT-R	LED	2	157lm	Two 300° adjustable LED lamps	Emergency	10' AFF- Gypsum/Dry wall	LED	LED	LED

Fixture Selection Chart



LuxSpace, recessed

DN570B LED20S/830 PSU-E M WH

LuxSpace, recessed, 16.4 W, D200 mm, 1850 lm, 3000 K, Matt reflector, IP20

Customers are looking to optimize all their resources, and that means not just their running costs (energy, etc.) but also user costs where they see much bigger impact on return. Therefore, LuxSpace is designed to provide the perfect combination of efficiency, visual comfort and design, without compromising on lighting performance (color rendering and light distribution). It offers a wide choice of options for creating the desired ambience to support user comfort, no matter the application is. For office applications LuxSpace supports health and wellbeing having dedicated Tunable White products and lighting controls.

Product data

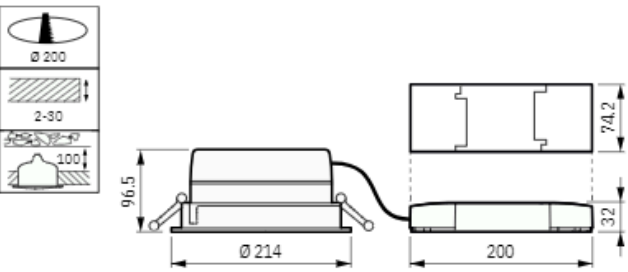
General Information	
Light source replaceable	No 1 unit Yes
Number of gear units	Yes LED
Driver included	Specificatio
Service tag	n 5 years -
Lighting Technology	
Value ladder	
Warranty period	
Sustainability rating	
Light Technical	
Luminous Flux	1,850 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	113 lm/W
Color rendering index (CRI)	>80

Light source color	830 warm white
Optic type	-
Luminaire light beam spread	80°
Unified glare rating CEN	22
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	16 A
Inrush time	0.195 ms
Power Consumption	16.4 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	65

Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	20 %
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit external (On/Off)
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	Polycarbonate aluminum
Optic material	coated Polycarbonate
Optical cover material	Polycarbonate Steel White -
Fixation material	Matt reflector 96.5 mm 214 mm
Housing Color	IP20 [Finger-protected] IK02 [0.2
Optical cover finish	J standard] 1.100 kg
Reflector Finish	
Overall height	
Overall diameter	
Ingress protection code	
Mech. Impact protection code	
Net Weight (Piece)	
Approval and Application	
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Performance ambient temperature Tq	25 °C
Ambient temperature range	+10 to +25 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM±2
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM±2
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 5 %	
50000 h	
Lumen maintenance at median useful life* L90	
50000 h	
Lumen maintenance at median useful life* L80	
100000 h	
Product Data	
Order product name	DN570B LED20S/830 PSU-E M WH
Full product name	DN570B LED20S/830 PSU-E M WH
Full product code	871869996984400 910505100854
Order code	910505100854 1 8718699969844 1
Material Nr. (12NC)	8718699969844 DN570B [LUXSPACE 2
Numerator - Quantity Per Pack	COMPACT LOW HEIGHT]
EAN/UPC - Product/Case	
Numerator - Packs per outer box	
EAN/UPC - Case	
Product family code	

Dimensional drawing

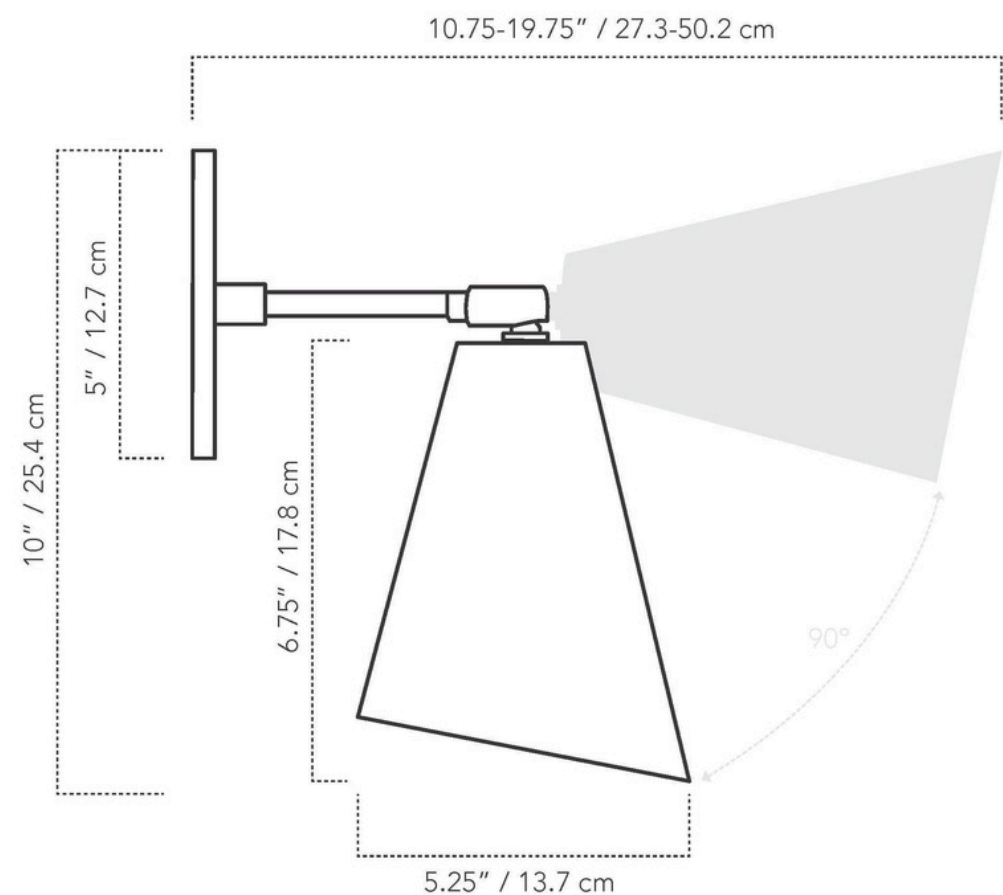




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3-Light Pendant

Finish RUBBED BRONZE WITH GOLD LEAF	Glass/Shade Metal Shade	Product Category
Lamping Number of Bulbs..... 1 Light Type..... Incandescent Bulb Base Type..... E Max Bulb Wattage..... 60 Max Fixture Wattage..... 1*60 Rated Lumens..... N/A Color Temp..... N/A CRI..... N/A Dimmable..... YES Bulb(s)..... Not Included	Measurements Width..... 24" Height..... 12.5" Length..... N/A Extension..... N/A Min Overall Height..... 12.5" Max Overall Height..... 135" Chain Length..... N/A Wire Length..... 144" Back Plate/Canopy Width..... 6" Back Plate/Canopy Height..... 0.8" Back Plate/Canopy Length..... 6"	Shipping Carton Weight(lbs)..... Carton Width..... Carton Height..... Carton Length..... Carton Cubic Feet..... 6.16 Master Pack..... 1 Master Pack Weight(lbs)..... 15.84 Master Pack Width..... 26.63" Master Pack Height..... 15" Master Pack Length..... 26.63" UPS Shippable..... Yes
Certification Certification..... UL/CUL Safety Rating..... DRY	Other Convertible..... N/A Stems..... N/A Degree of swivel..... N/A Crystals Include..... N/A	Equivalents Incandescent Watts..... N/A Fluorescent Watts..... N/A



► **TILT CONE**

Sleek lines and clean form. Shine the light where you need it with an adjustable shade. The shade is adjustable 90° vertically and 30° to each side.

Crafted with heavy gauge exclusive parts featuring beautiful artisan finishes. All fixtures are hand-made to order.

DIMENSIONS

- Overall Depth:
Min: 10.75" (3" arm)
Max: 19.75 " (12" arm)
- Overall Length: 10"
- Overall Width: 5.25"

MOUNTING

- Location: Wall
- Weight: 1.5 lb
- Canopy: 5"
- Junction Box: 4" oct/rnd

LAMP / WIRING

- Socket Type: E26
- Voltage: 120
- Max Wattage: 75
- Bulb Type: Not included

CERTIFICATIONS

- UL certified (US/CAN)
- Suitable for damp locations

ExBrite 4-light 32" Wide Bathroom Gold Vanity
Lights Crystal Vanity Lights Wall Sconces

SKU:XY-1401

★★★★☆ 48

\$143.99 USD

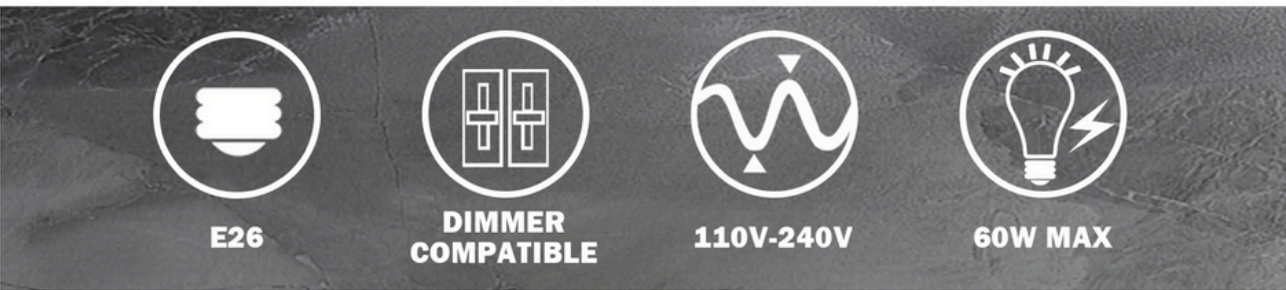
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🌟 **Apply coupon code**
save 15% off full-price
items 🌟:

AllsumBlackFriday

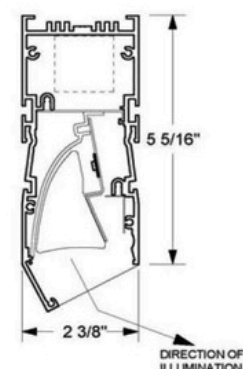
COPY 🖱️

Dimension

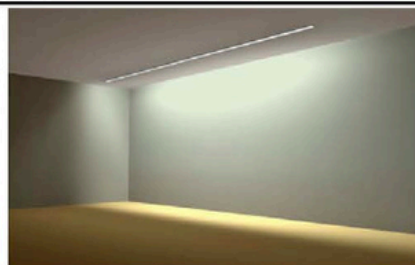




Click or scan QR code to view latest spec sheet



LED Lamping



Click photo to view product page
Page 1: Overview & Nomenclature
Pages 2-3: Specifications
Pages 4-5: Photometric Info / Downloads
Page 6: Mounting Details
Page 8: Mud Flange Detail
Pages 9-12: Application Guide & CPO

Revision Date: July 08, 2024
Gammalux Lighting Systems reserves the right to change details of fixture designs and construction at any time.

Product Overview (for complete specifications, see pages 2 & 3) *****NEW***** See last page for **APPROVED CUT RELEASE**.

Quick Ship: Most product options are shippable within 2-3 weeks! Check our **Quick Ship Guide** for details.

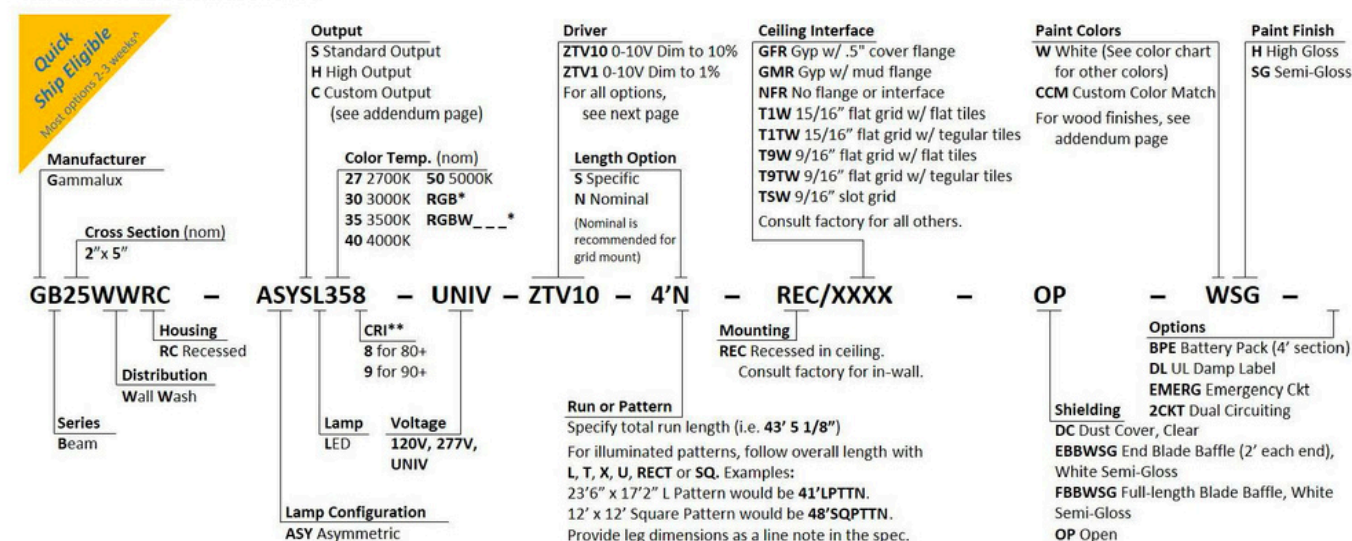
Construction: I.C. rated. ARRA, RoHS, REACH and Prop 65 compliant. Extruded aluminum housing for superior fit and finish. Grid mounted version can be installed from below. Runs and patterns can be built to field dims., including fully illuminated corners.

Unbroken Illumination: Continuous illumination in custom-length runs and patterns with illuminated corners.

Electrical: LED components by major manufacturers, may be upgraded in the field to increase energy efficiency. Fixtures can be fitted with specialty LED and control components (consult factory). Standard Output, High Output and Custom Output options available.

Optical: LEDs are not visible at any angle. Optional white semi-gloss internal baffle reduces inline glare and striations on adjacent wall.

Standard Nomenclature



** 90+ CRI increases watts nom. 14.5%. # Sensor by Others (consult factory).

^Some restrictions apply. Check our Quick Ship Guide for details.



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Gammalux products comply with ARRA Buy American requirements

Specifications (continued on next page)

Electrical

Output: Standard (S) and high (H) options deliver a pre-set lumen package (see chart below). Custom-programmed output (C) is specified as LPF, WPF or % of High Output (see Custom Programmed Output page).

Static Driver: eldoLED Optotronic* programmable driver, wired for static operation (DVR).

0-10V Dimming: eldoLED Optotronic* programmable driver, wired for 0-10v control and dimming to 10% (ZTV10) or to 1% (ZTV1).

Step Dimming: Generic step dimming driver, two hot inputs for 100% and 50% output (SD2).

DALI Dimming: Generic DALI driver with two loose control wires exiting fixture at power feed location (DALI).

Lutron Dimming: Hi-Lume dim to 1% EcoSystem with Soft-On, Fade-to-Black (LDE1).

White Emitter: Nichia 757G emitters* binned within 3 MacAdam ellipses in Osram or Gammalux proprietary array. 90+ CRI option with extended lead time (CRI code 9) results in nominal 14.5% drop in efficacy; increase calculated watts 14.5%.

Battery Pack: Bodine BSL10T3* (BPE). 4W max input, 10W initial output, delivers min. 27% of High Output value per 4' length.

LED System: 70% lumen output (L70) at max 85 degrees C calculated at >60k hours. Fixtures are shipped with anti-static gloves to minimize the risk of damage to LEDs during installation. **5 year limited warranty.**

Sensors: Sensors are as specified, confirmed by Gammalux prior to factory quote. Examples are Enlighted Micro Sensor, Lutron Athena Wireles Node, Lutron Vive, Wattstopper FS-205.

Upgrade Capability: LED assemblies can be replaced in the future with the latest factory-provided and fully warranted components. On-board sensors, control interface devices and alternate LED components may be specified (consult factory). Fixtures bear UL & cUL Dry Location label. Damp Location label available (DL).

*Subject to availability; may be substituted by Gammalux. Components and specifications may be changed without notice.

LUMENS AND WATTS BY OUTPUT OPTION AND LED COLOR @ 80+ CRI*										
STANDARD OUTPUT LED						HIGH OUTPUT LED				
OPEN APERTURE (OP)			DELIVERS: 384.8 LPF			OPEN APERTURE (OP)			DELIVERS: 485.8 LPF	
CCT	2700 K	3000 K	3500 K*	4000 K	5000 K	CCT	2700 K	3000 K	3500 K*	4000 K
WATTS / FT.	6.3	5.9	5.8	5.7	5.4	WATTS / FT.	8.6	8.2	8	7.8
										7.4

*IES FILES WERE CREATED USING 3500K DIODES @80+ CRI. WATTAGE IS MULTIPLIED BY 1.08 FOR 2700K, 1.02 FOR 3000K, .98 FOR 4000K AND .93 FOR 5000K DIODES TO MAINTAIN THE SAME DELIVERED LUMENS THROUGHOUT ALL COLOR TEMPERATURES. FOR 90+ CRI, INCREASE WATTAGE BY 14.5%. SEE ADDENDUM FOR CUSTOM PROGRAMMING.

Construction

Housing: I.C. rated. ARRA, RoHS, REACH and Prop 65 compliant. Extruded aluminum body 2.00" wide x 5.00" high, 6063T5, 0.070" min thickness. Each housing is 12' max unless longer housings are pre-coordinated with the factory to reduce joints and installation labor. Fixtures are built per approved factory drawings and tested as a complete system at the factory. Continuous runs and patterns are ordered, built and shipped with a single item #. Fixtures ordered as individuals are not designed to be joined together in the field. **Joiner System:** Automatic alignment, no loose parts, one tool to tighten factory installed bolts for hairline seam. **Lamping:** Patterns are fully illuminated. Runs ordered in Specific Length (Length Option S) will be built to the exact dimension shown on signature-approved shop drawings. Runs ordered in Nominal Length (Option N) may be factory-adjusted to accomodate standard mounting positions or grid centers. Factory drawings will show all dimensions of mounting and power feed locations. Fixtures built to less than 4' may require remote driver installation - consult factory. **Mounting:** Recessed into a ceiling system (REC). Fixtures surrounded by grid should be ordered in Nominal length (Length Option N) and can be installed from below. Consult factory for in-wall installation. Mud flange (GMR) includes integral expansion gap to allow for heat expansion with no pressure on surrounding plaster. GMR FIXTURE MUST BE INSTALLED PRIOR TO GYP. Gammalux recommends mounting no less than 18" from the object wall.



248 East Arrow Highway, San Dimas, CA 91773 Tel 909.599.9669 | 800.356.3275
Fax 909.599.5288 E-mail: info@gammalux.com
Gammalux products comply with ARRA Buy American requirements



Slim LED strip offering high quality light with diversified options in terms of brightness and light color

MASTER LED Strip

A complete family delivering superior light with great uniformity and safety. Choose the best fit for every projects, from 5 lumen packs/wattages, and 4 CCTs, and enjoy great reliable performance free of maintenance

Benefits

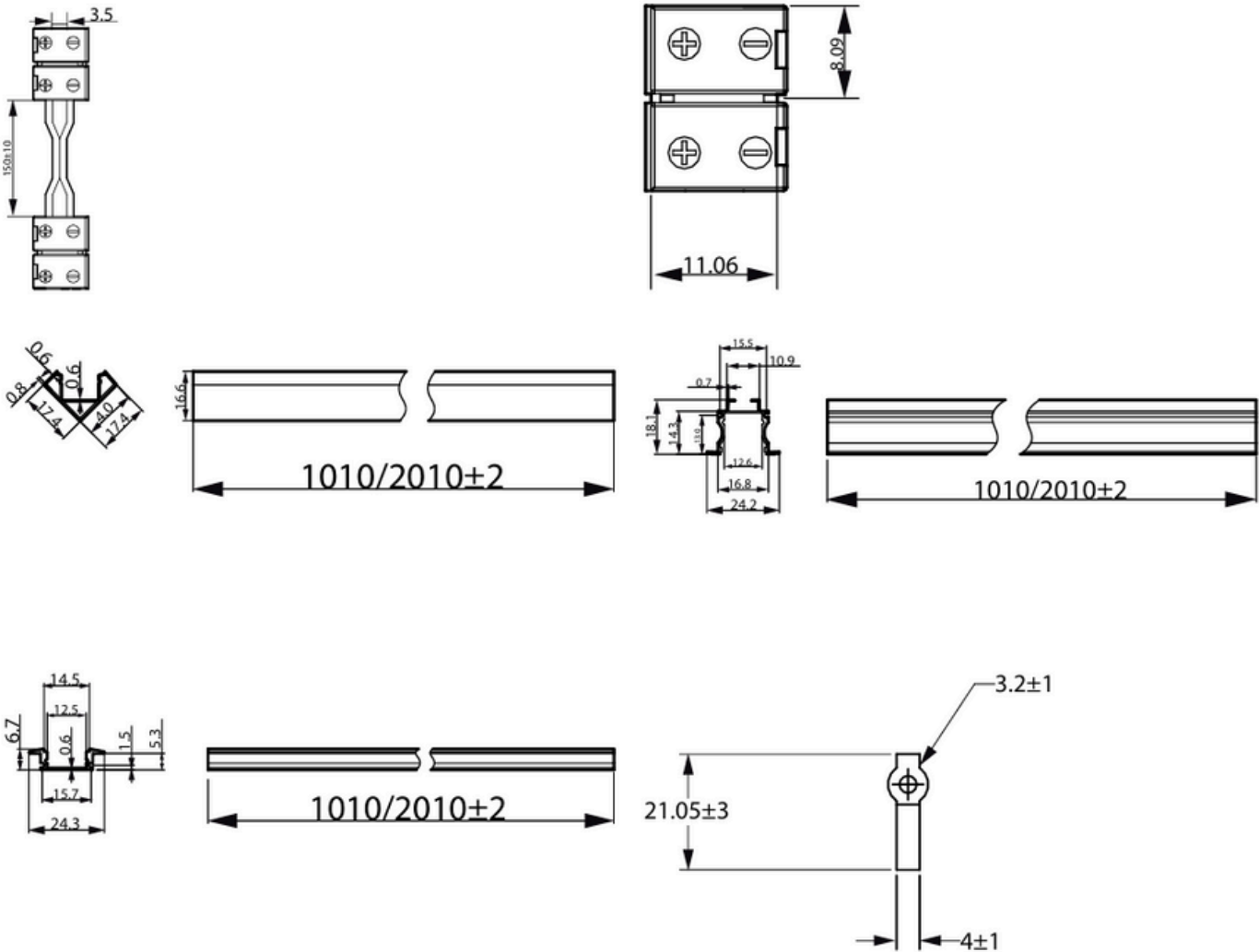
- Superior light quality: Great color rendering and extremely good color consistency
- Wide range of products: Variety in lumen/wattage and CCT combinations to cater to different applications.
- Easy installation: Slim design ensures fit in tight spaces.

Features

- Superior light quality: CRI 90, SDCM 3
- Full product range: 500lm,1000lm,1500lm,2000lm,2500/m, 2700K, 3000K, 4000K & 6500K options
- High efficiency for energy saving: 120lm/W
- DC 24V low voltage offers superior safety
- 60,000 Life hours

MASTER LED Strip

Dimensional drawing



Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
929003167902	LS tape-to-wire connector IP20 50pcs EU	-	-	-
929003244202	V profile 1M accessory kit 60pcs	-	-	-
929003244302	V profile 2M accessory kit 30pcs	-	-	-

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Flux
929003167802	LS tape-to-tape connector IP20 50pcs EU	-	-	-
929003244102	U profile 2M accessory kit 30pcs	-	-	-
929003244402	H profile 1M accessory kit 60pcs	-	-	-
929003244502	H profile 2M accessory kit 30pcs	-	-	-

Siena Small Flush Mount
Item # SS 4015BZ-WG

Designer: Visual Comfort

Height: 4.25"

Width: 11.75"

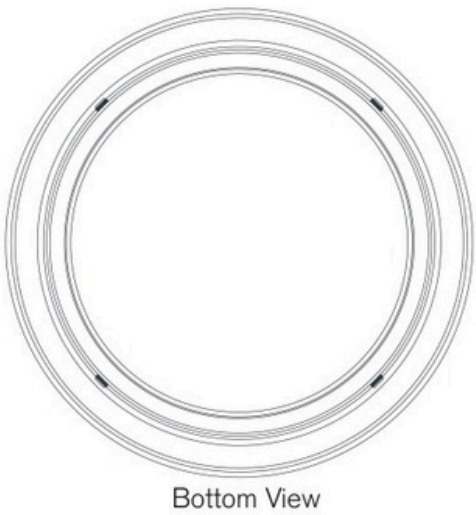
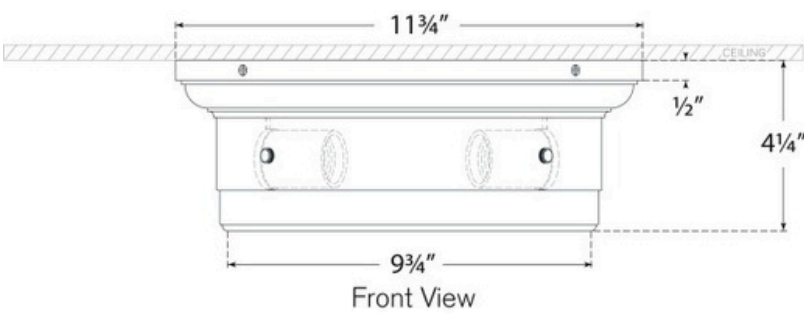
Finishes: AN, BZ, CH, HAB, PN

Glass Options: WG

Socket: 2 - E26 Keyless

Wattage: 2 - 60 A19

Weight: 6 Pounds



Walker Swing Arm Sconce

Item # KS 2075G-L

Designer: kate spade new york

Height: 12"

Width: 14"

Extension: 16" - 24.75"

Backplate: 5" Round

Finishes: BSL, G, LC

Shade Treatments: L, L/BL, NL

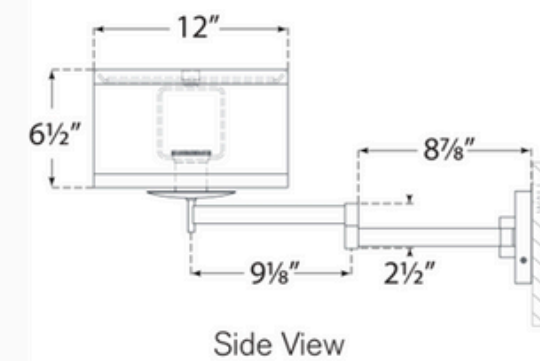
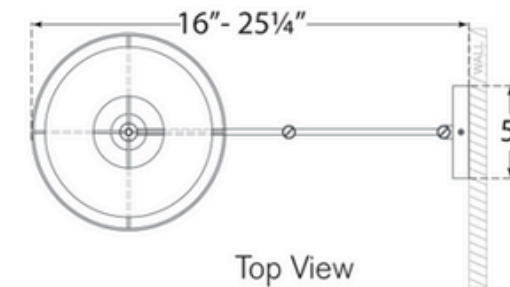
Shade Details: 11" x 11" x 6.5"

Socket: E26 Keyless w/Dimmer on Back Plate

Wattage: 60 A19

Weight: 5 Pounds

Note: Cord Cover Included



circa LIGHTING®





Cross Bouillotte Small Sconce

Item # CHD 1190AB-L

Designer: Chapman & Myers

Height: 12.75"

Width: 11.5"

Extension: 4.5"

Backplate: 2.25" x 4.5" Rectangle

Finishes: AB, AN, BZ, PN

Shade Treatments: L, NP

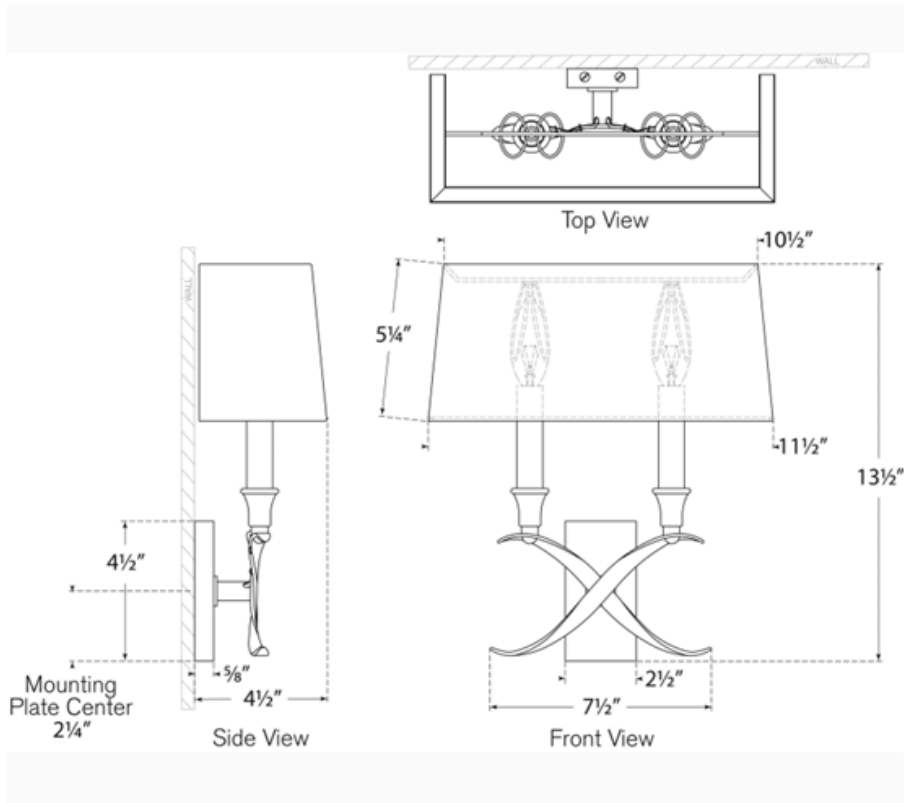
Shade Details: 10.5" x 11.5" x 5.25" Shield

Socket: 2 - E12 Candelabra

Wattage: 2 - 40 B11

Weight: 3 Pounds

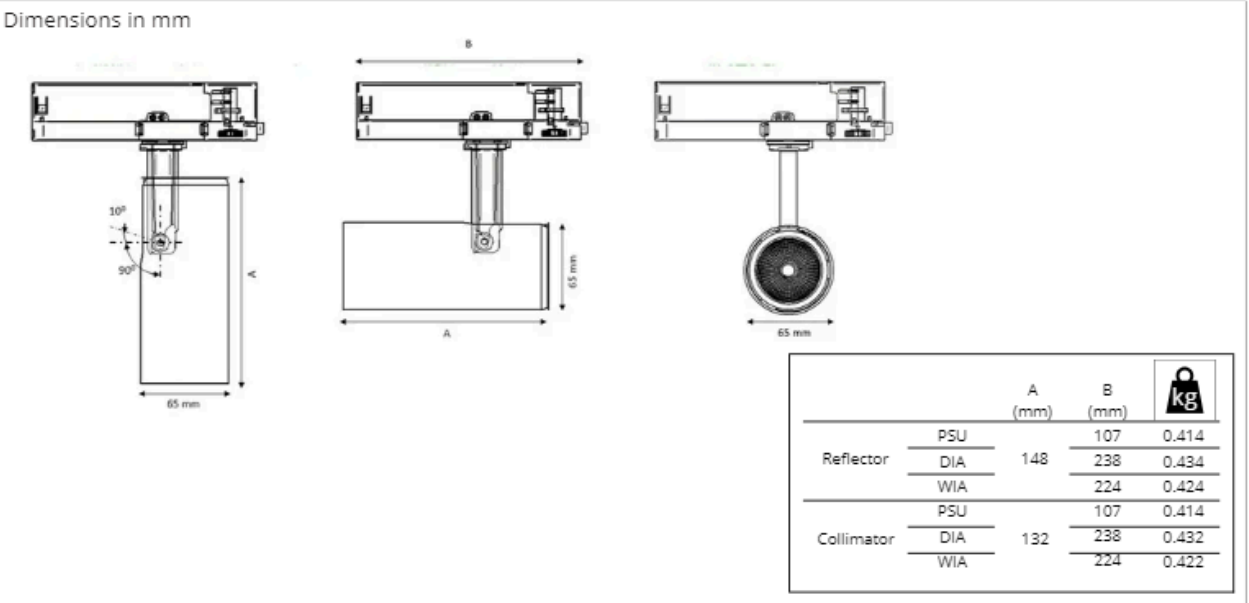
Note: French Wired / Requires Smaller Outlet Box



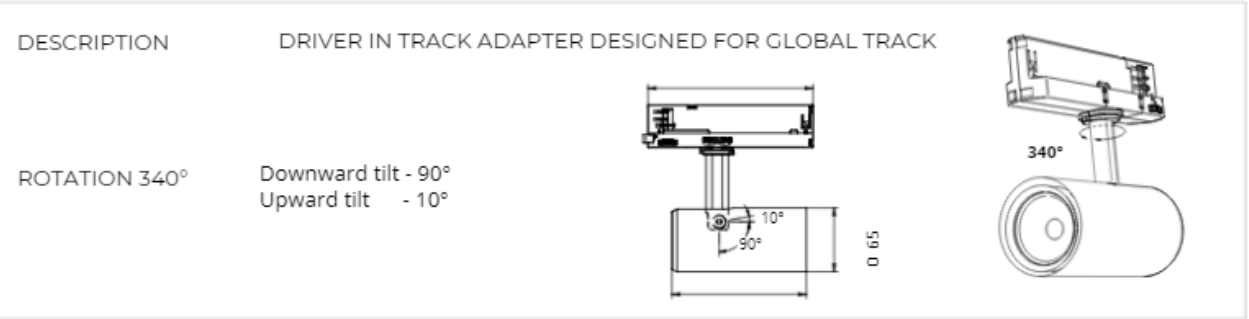
VISUAL COMFORT & Co.



Dimensions



Mounting



Electrical

INPUT VOLTAGE	220-240vac
FREQUENCY	50-60hz
POWER FACTOR	0.9
DRIVER FAIL RATE CONTROL	<1% @ 5,000hrs PSU (Non-dimmable) DIA (Dali interact dimming) WIA (Wireless interAct)

Operational & certifications

PROTECTION CLASS	IP20, IK02 ELECTRICAL CLASS II
AMBIENT RANGE	+10° to +35°
CERTIFICATIONS	CE, RoHS
GLOW WIRE TEST	650°
WARRANTY	5 years

Optical

DESCRIPTION PHILIPS COB with high reflective aluminum reflector Or Collimator

LIFETIME 100,000hrs to L80 @ 25° C #

SYSTEM LUMENS Up to 2700 lumen, see performance matrix on next page

#For 2200 Lumens, 830 & 840 CCT's with HNB & CLM15 beam combination, Lifetime will be 70,000hrs to L80 @ 25° C

LIGHT RECIPES	CRI	BEAM**	Lumen ###	Flat Glass*
3000K	CRI 80+	CLM15	1200	YES * Only for Reflectors, Not available in combination with Collimator lens
4000K Premium White	CRI 80+	CLM24	1700	
3000K Premium White	CRI 90+	CLM32	2000	
4000K	CRI 90+	CLM54	2200	
Premium Color 3000K	CRI 90+	HNB	2700	
		HMB		
		HWB		
		HVWB		

** HNB available upto 2000 Lumen

** CLM15/CLM24/CLM32/CLM54 available upto 2200 Lumen

** 2700 lumen available in HMB/HWB/HVWB

*** PC930 not available in 1700 & 2700 lumen

830/840/PW930/PW940 not available in 2000 lumen

2000 lumen PC930 available in HMB/HWB/HVWB

Red LED Thin Exit Light Combo | Fully Adjustable Lamp Heads

Base Code: **COMBOT-R**



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CONSTRUCTION

The COMBOT series is constructed from injection-molded, high-impact, engineering-grade, UV-stabilized, UL 94 V-0 thermoplastic. White housing is standard.

ILLUMINATION

Emergency lamps use long-lasting, energy efficient ultra bright white LEDs. Heads are made with high-performance chromeplated reflectors and polycarbonate lenses for optimal light distribution. Exit portion uses Red or Green LEDs.

EMERGENCY OPERATION

Upon failure of the normal utility power, an internal solidstate transfer switch automatically provides uninterrupted emergency operation for at least 90 minutes. The fully automatic solid-state, two-rate charger initiates recharging a discharged battery within 24 hours.

BATTERY - BATTERY BACKUP

The COMBOT Thin Combo Exit Sign series is designed with 2 maintenance-free Ni-MH batteries - (1) 1.2V 1000mAh and (1) 2.4V 1000mAh battery - that provides an emergency duration of 90 minutes. Recharge time of the battery is 24 hours.

OPERATIONAL TEMPERATURE

Temperature Ratings	
Standard Option	0°C to 40°C / 32°F to 104°F

PHOTOMETRICS

Total Luminaire Lumens : 157lm

Download .IES File

ELECTRICAL COMPONENTS

120-277 VAC operation. LED display indicates AC/ON. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit.

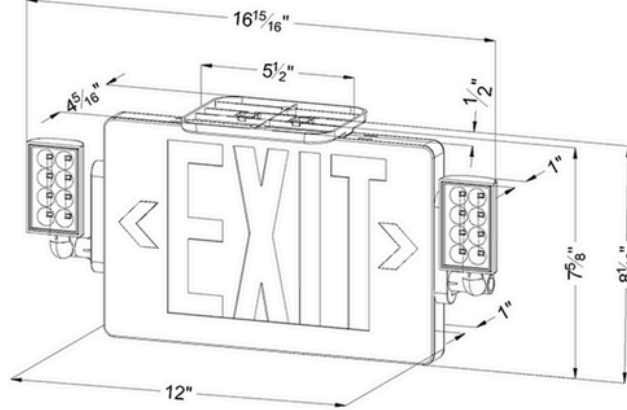
INSTALLATION

The COMBOT is suitable for surface wall and top mounting via included canopy. Snap together design allows for quick and easy installation. Knock-out chevrons for customized egress signage.

Mounting Configurations Explained

View Installation Instructions

DIMENSIONS



UL Listed
This item has been tested and meets safety standards imposed by the Underwriters Laboratories (UL).



LED Lighting
This product uses energy efficient and long lasting LED's.



Battery Included
This product contains a battery for backup power. The battery must be connected during installation.

FEATURES

- UL 924, NEC, OSHA and NFPA 101 Life Safety Code
- Two 300° adjustable LED lamps
- Injection-molded, high-impact, UL94 V-0 thermoplastic construction
- 120-277 VAC operation
- Universal mounting pattern knock-out in back plate for J-box mounting
- Knock-out left/right arrows
- Test switch and charge indicator
- Innovative and easy installation in minutes

SPECIFICATIONS

Dimensions (May Vary by Model)	
Width	16.92"
Height	7.59"
Depth	1.02"
Weight	7.00 lb

WHAT'S INCLUDED?

- Thin RED LED Combo Exit Sign
- Two "EXIT" Faceplates (with optional knockout arrows)
- One Blank Faceplate
- Mounting Canopy, Installation Instructions & Hardware (Inside Unit)
- Battery (Inside Unit) - Must connect the battery after installation

Large Solist Table Lamp in Brass and Opaline Glass
from, 1980s

\$837

DESCRIPTION

Large 'Solist' Table Lamp in Metal, Brass and Opaline Glass for IKEA, Sweden, 1990. This is a remarkable modernist table lamp in metal, patinated brass and opaline glass. Wonderful size and presence. Also a high level of quality and execution. One of the most sought after lamps from the IKEA back catalogue. First presented in the 1990 catalogue and available in a white and black version. Comes in a good vintage condition with a nice patina on the metal and brass parts. Up to 250V (...)

DIMENSIONS

16.54"W x 16.54"D x 17.32"L

CONDITION

Vintage / Antique / Used, Unknown, Some Imperfections

MATERIALS

Brass, Glass



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SHIPPING

Parcel - \$264

LISTED BY

V.O.F. De Z.A.A.K. in Tilburg, NL

SELLER REFERENCE NUMBER

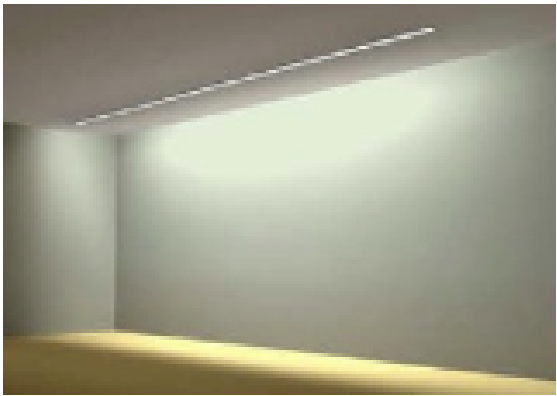
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CHAIRISH REFERENCE NUMBER

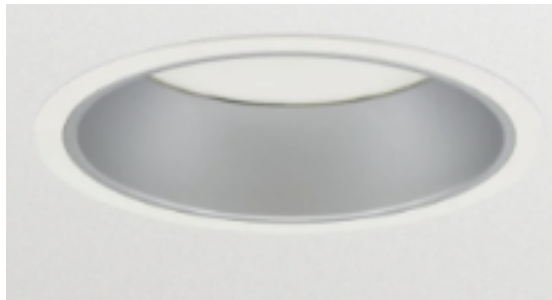
19865529

PRODUCT URL

<https://www.chairish.com/product/19865529/large-solist-table-lamp-in-brass-and-opaline-glass-from-1980s>



WW-1



RC-1



E-1



LEDS-1



TL-1



WS-2



WS-1



FM-1



DL-1



WS-3



HP-1






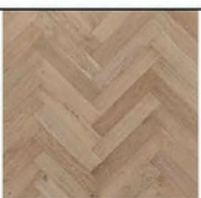



WS-4

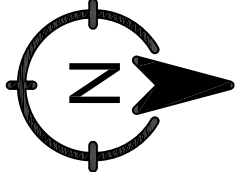
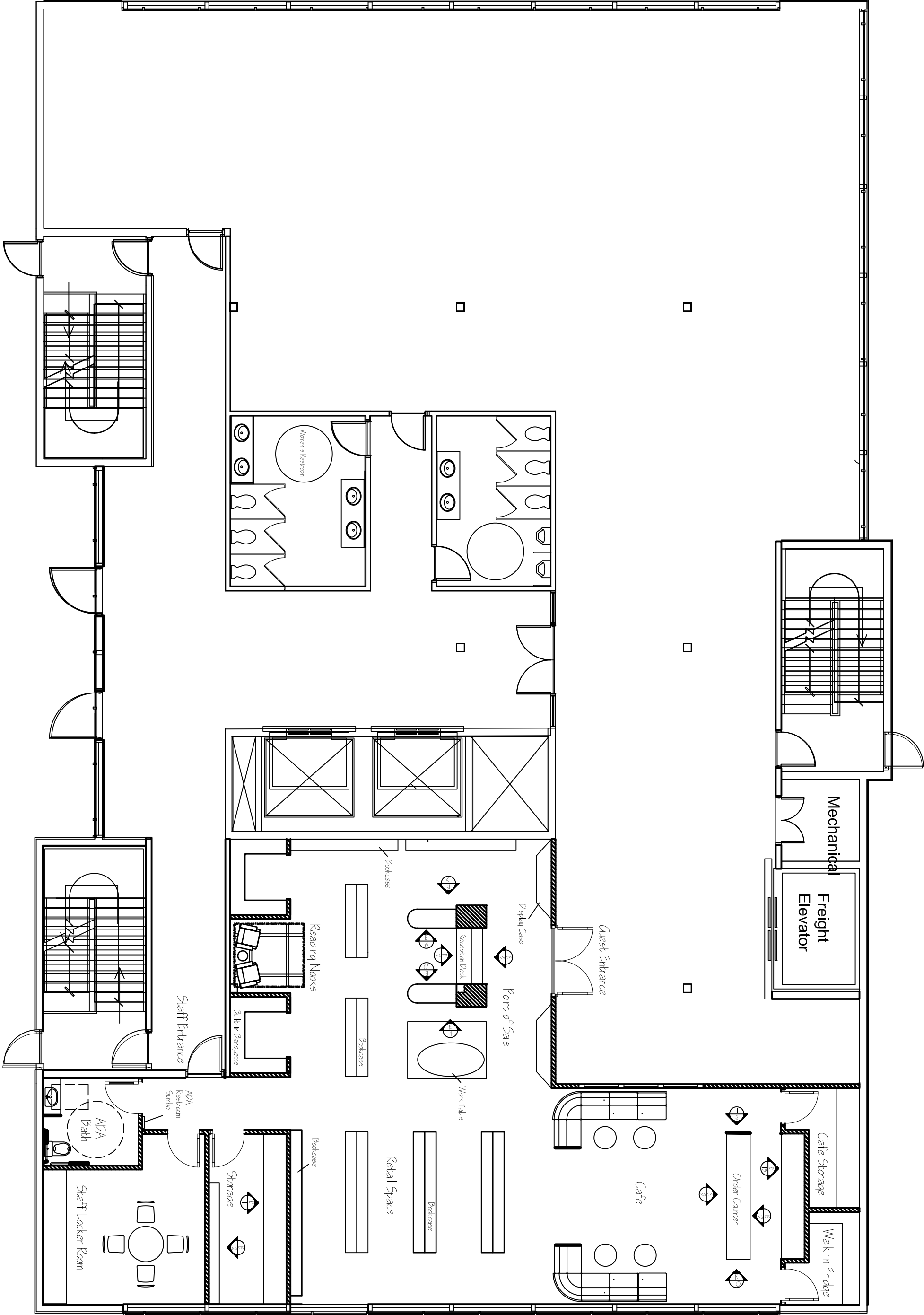


HP-2

Lighting Pictures

	LRV Chart				
Thumb Nail	AREA/ Room	Finish / Item	Manufacturer	Name/ Order Number	LRV
	All Ceilings	Paint	Sherwin-Williams	Pure White/ SW 7005	84
	Walls- Main bookstore area, Café, and Hallways	Paint	Sherwin-Williams	Roycroft Bottle Green / SW 2847	5
	Walls- Storage, Locker Room, Bathroom	Paint	Sherwin-Williams	Aesthetic White / SW 7035	73
	Flooring- Café and Bathroom	Tile Flooring	Bedrosians	Le Cafe 2" x 2" Octagon Matte Porcelain Mosaic Tile in White/Black	50
	Copper Plate applied to the north wall of the cafe	Copper	Online Metals	0.0625" Copper Sheet 110-O -Part #: 21846	28
	Flooring- Retail Space, Point of Sale, Reading Nooks, Storage, and Staff Locker Room. Ceiling- Cafe	Wood Flooring	Mannington	Park City Herringbone- Summit	30
	Café Storage and Walk-in Fridge	Tile Flooring	Bedrosians	Marin 2" x 2" Square Matte Porcelain Mosaic Tile	80

LVR Chart



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

1805 BOOKSTORE & CAFE

NAME:
BEVERLY BRADSHAW
DATE:
11/20/24
PROJECT #:
CTD 371-001

1D-101

1805 BOOKSTORE & CAFE

NAME: _____

BEVERLY BRADSHAW

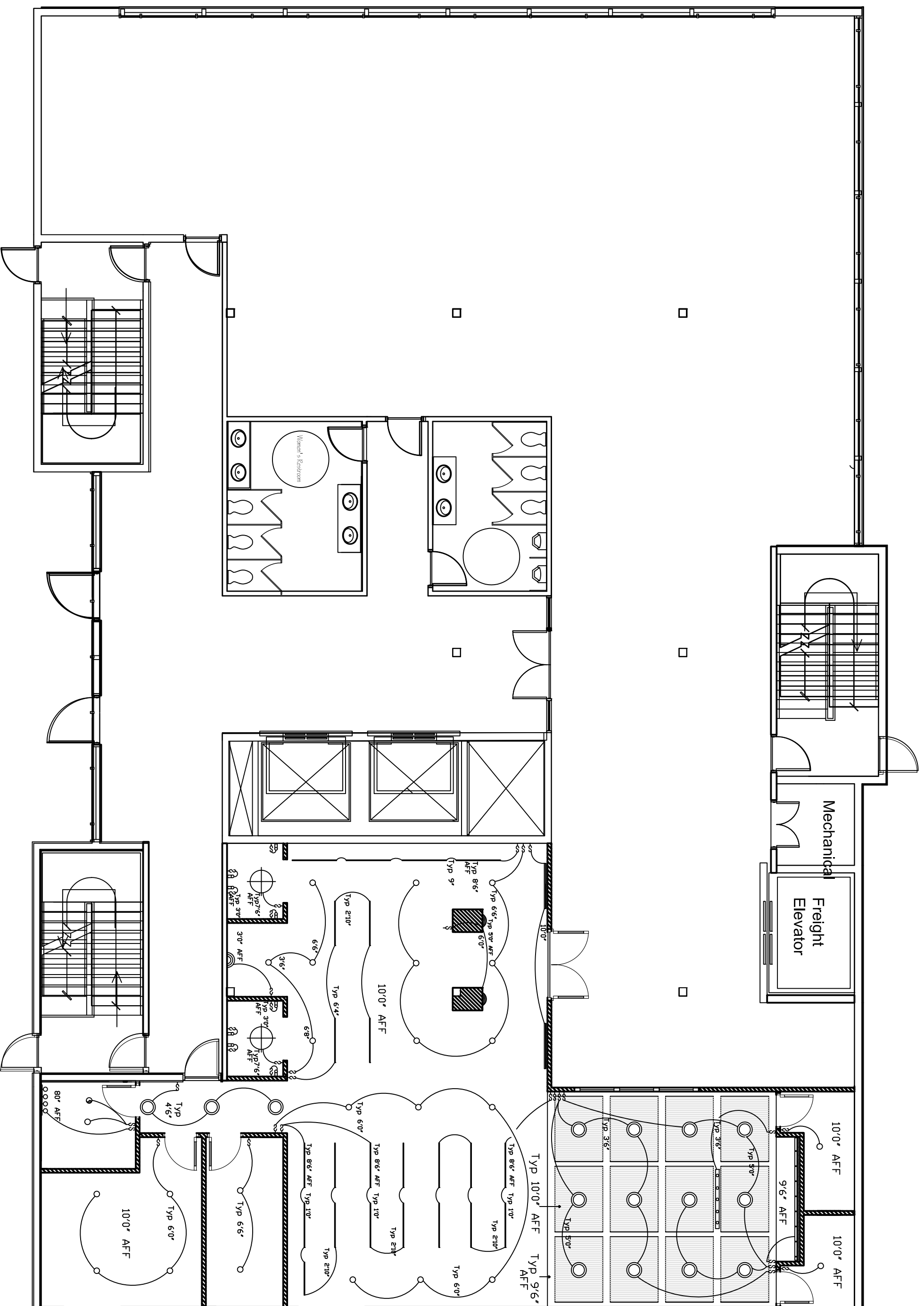
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11/20/24

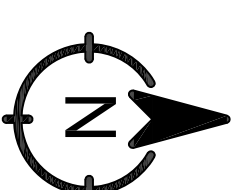
PROJECT #:

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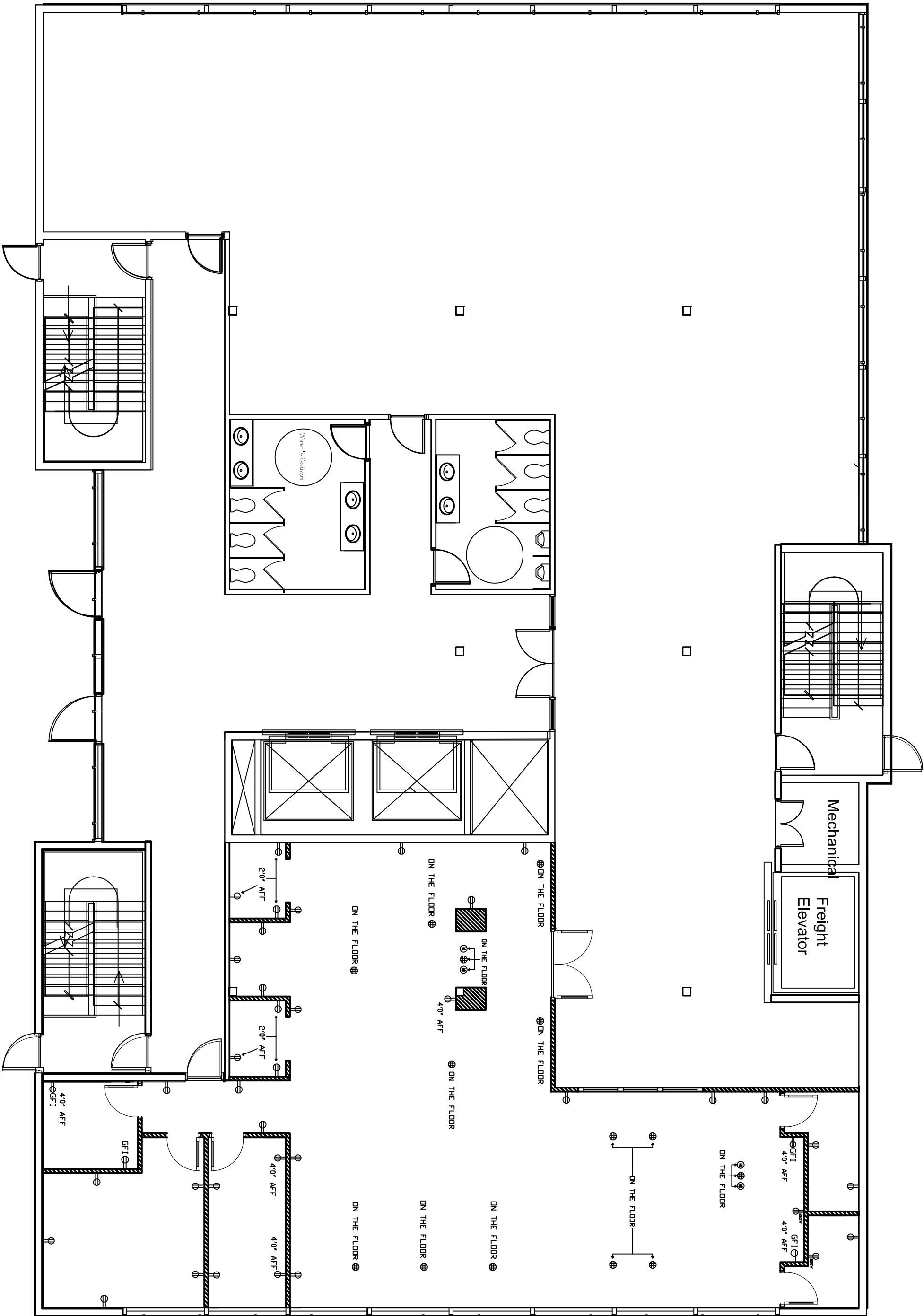


LEGEND	
○	RC-1 6" RECESSED CAN
—	HP-2 47" LINEAR LED PENDANT
⊙	FM-1 FLUSH MOUNT CEILING LIGHT
▤	LEDS-1 SLIM LED STRIP LIGHT
⌘	WS-1 TILT CONE READING LIGHT
▤	TL-1 TRACK LIGHT
⊙	HP-1 24" PENDANT CEILING LIGHT
⊙	WS-2 VANITY LIGHT WALL SCENCE
—	WS-1 WALL WASH RECESSED
—	WS-4 WALL SCENCE
⌘	WS-3 SWING ARM WALL SCENCE
⌘	SWITCH
⌘	DIMMER SWITCH
⌘	3-WAY SWITCH



LIGHTING PLAN

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



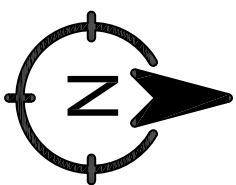
3

POWER AND COMMUNICATION PLAN

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

LEGEND	
	DUPLEX CONVENIENCE OUTELT
	GFI OUTLET
	FLOOR OUTLET
	DATA OUTLET
	TELEPHONE OUTLET
	220V OUTLET

NOTES
1. All outlets are to be installed 12" AFF unless specified differently.
2. 220V Outlet needed for commercial appliances-Refriegerator and Dishwasher.



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1D-103

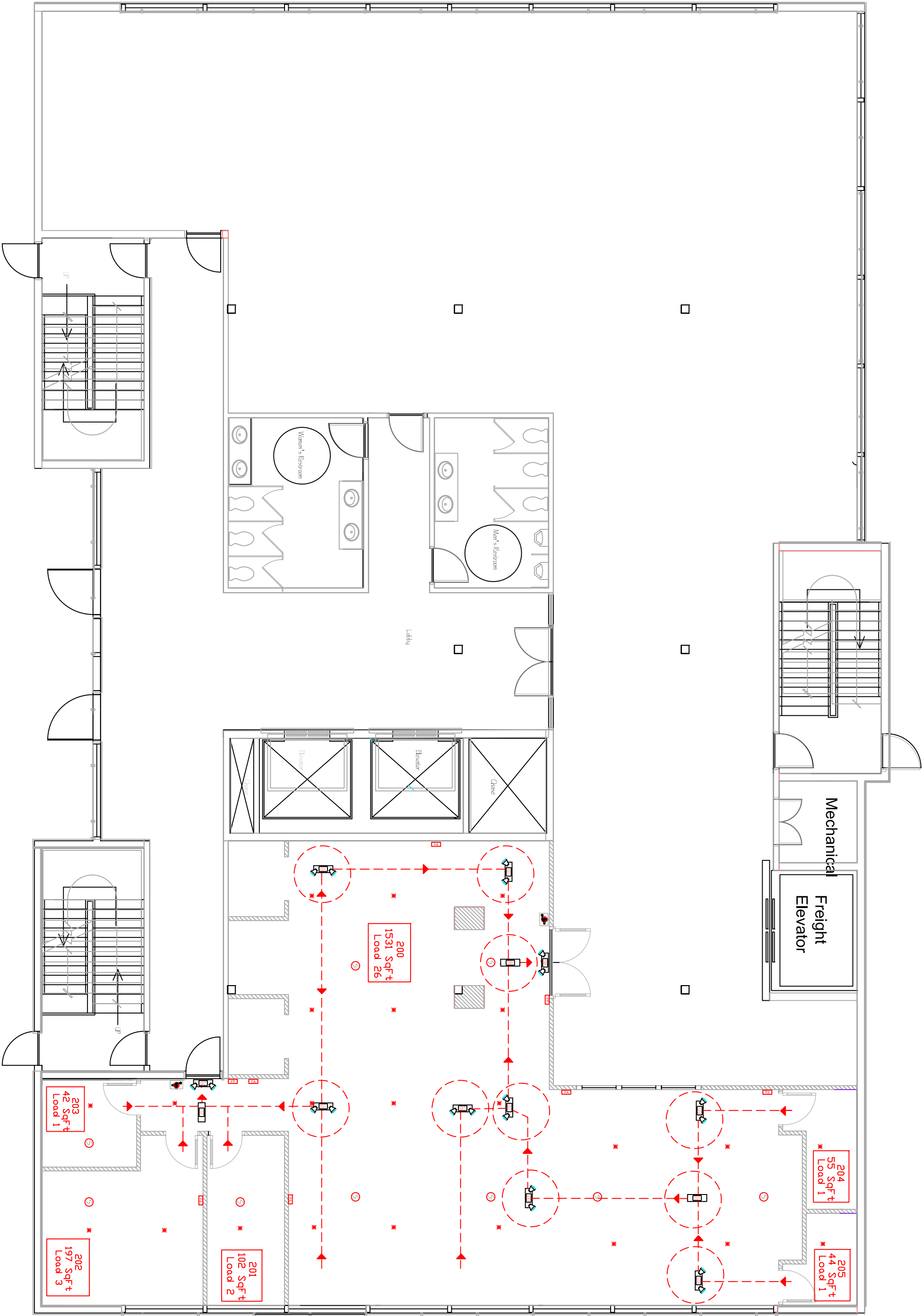
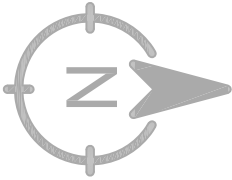
1805 BOOKSTORE & CAFE

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11 / 20 / 24
PROJECT #:
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1D-104

LEGEND	
	60" TURN CIRCLE
	EXIT SIGNAGE
	EXIT SIGNAGE WITH EMERGENCY LIGHT
	EGRESS PATH
	SMOKE DETECTOR
	FIRE SPRINKLER
	FIRE ALARM
	FIRE PULL
	FIRE EXTINGUISHER

TOTAL SQUARE FEET OF BOOKSTORE: 1,938.5



EMERGENCY EGRESS AND EQUIPMENT PLAN

4

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



HP-2

RC-1

DL-1

Perspective 2



LEDS-1

FM-1

TL-1



Perspective 3

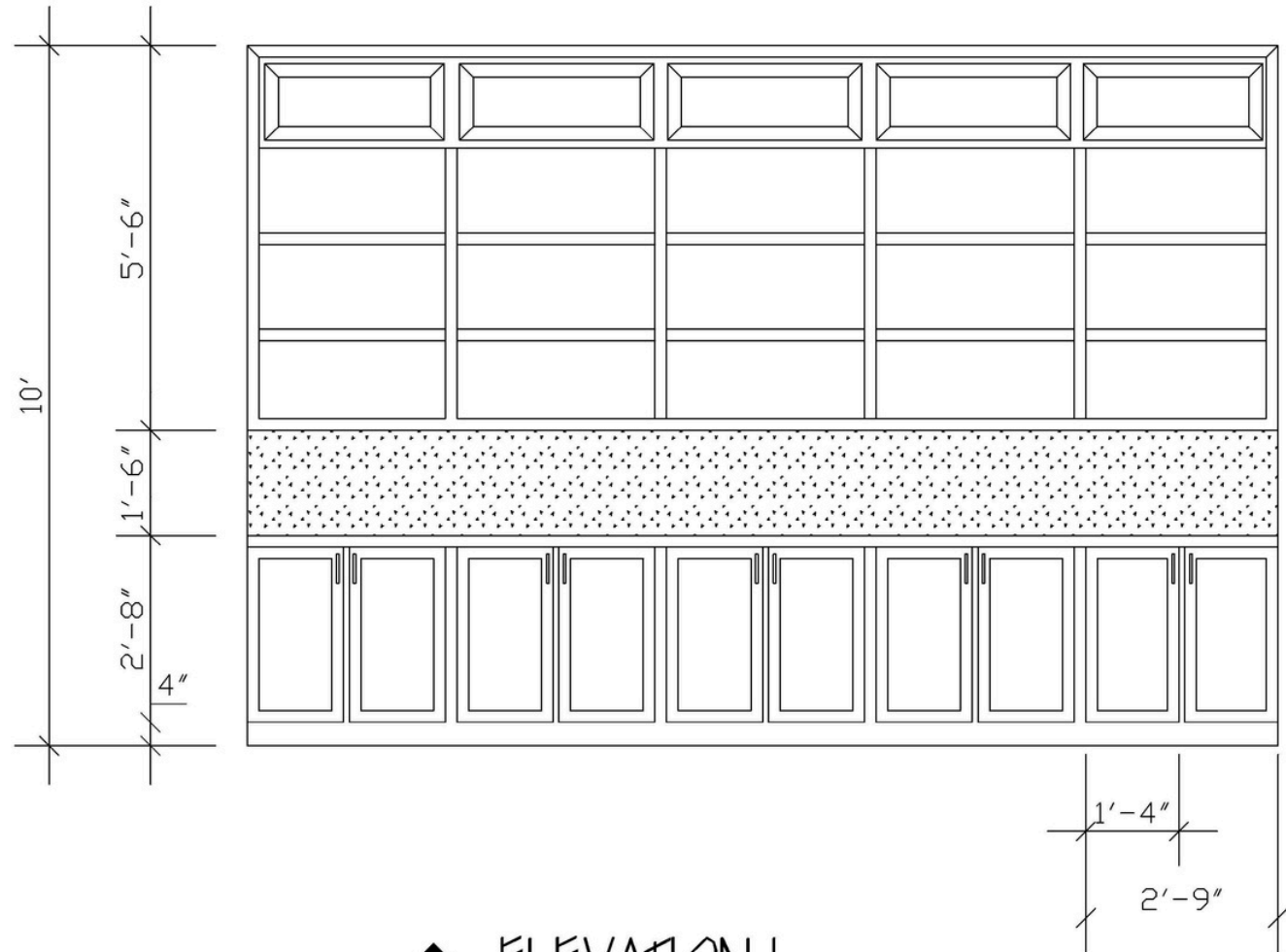
WS-3

HP-1

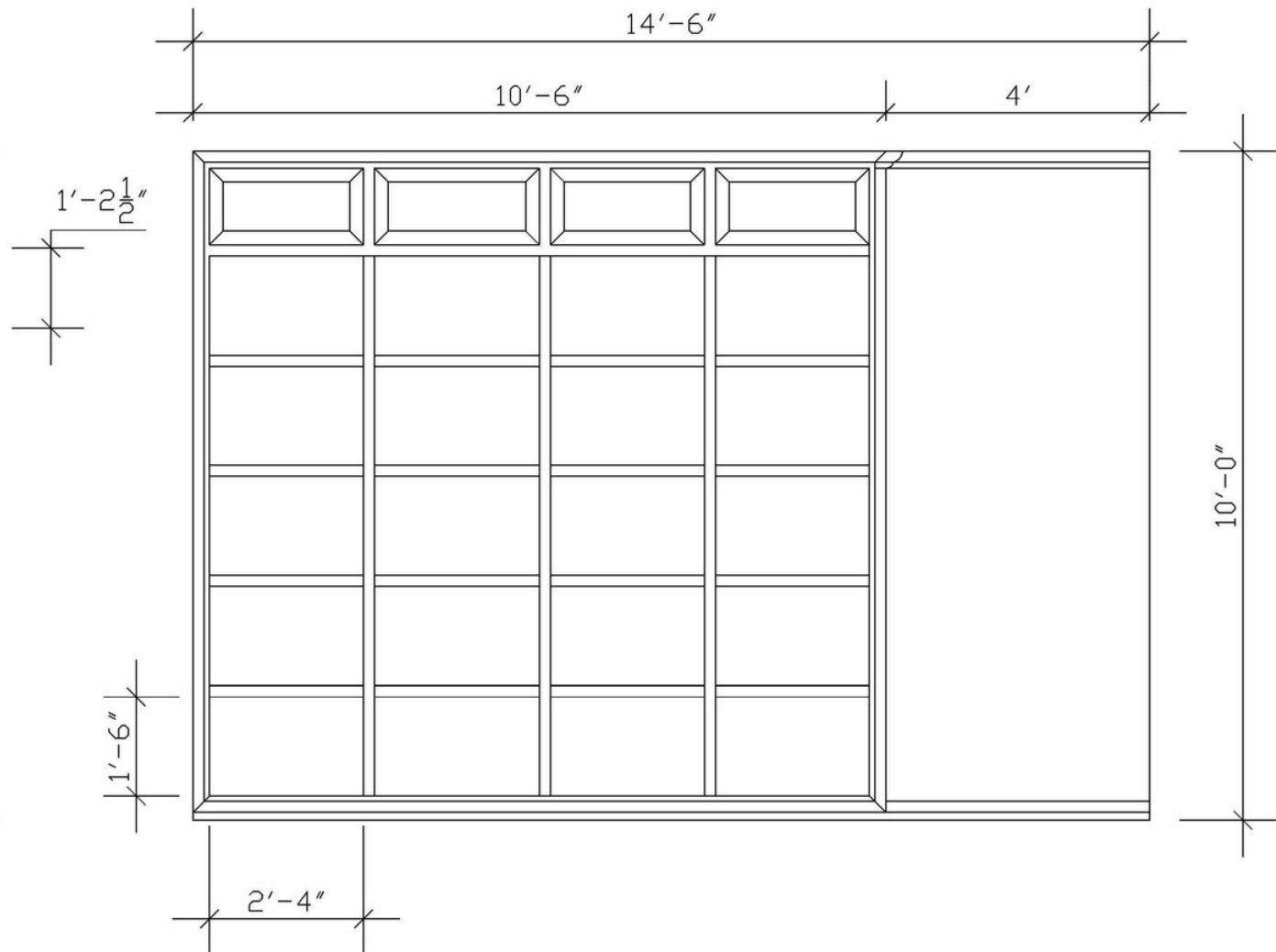
WS-1



Perspective 4



 E
1
ELEVATION 1
SCALE: 3/8" = 1'0"

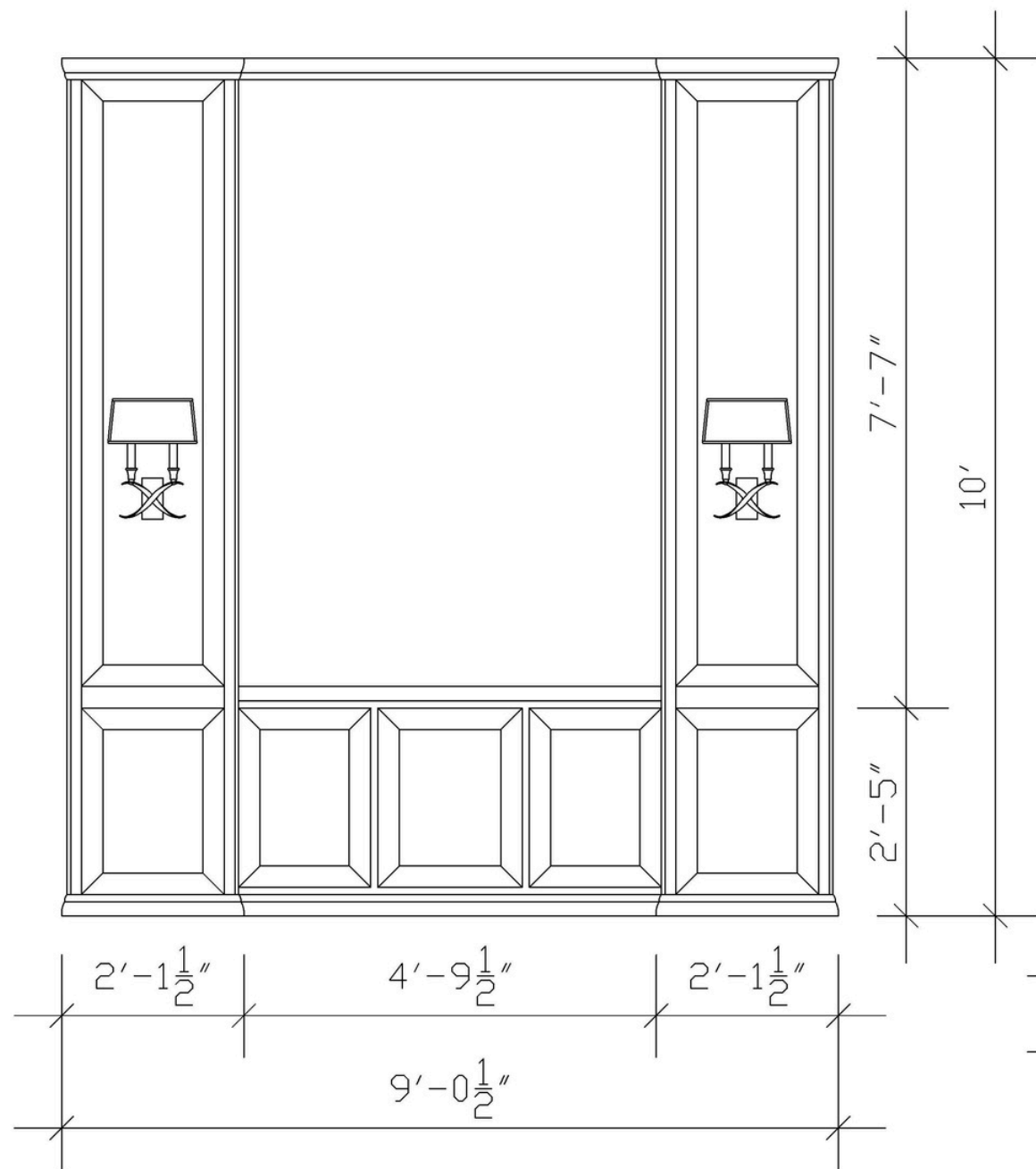


 E
2
ELEVATION 2
SCALE: 3/8" = 1'0"

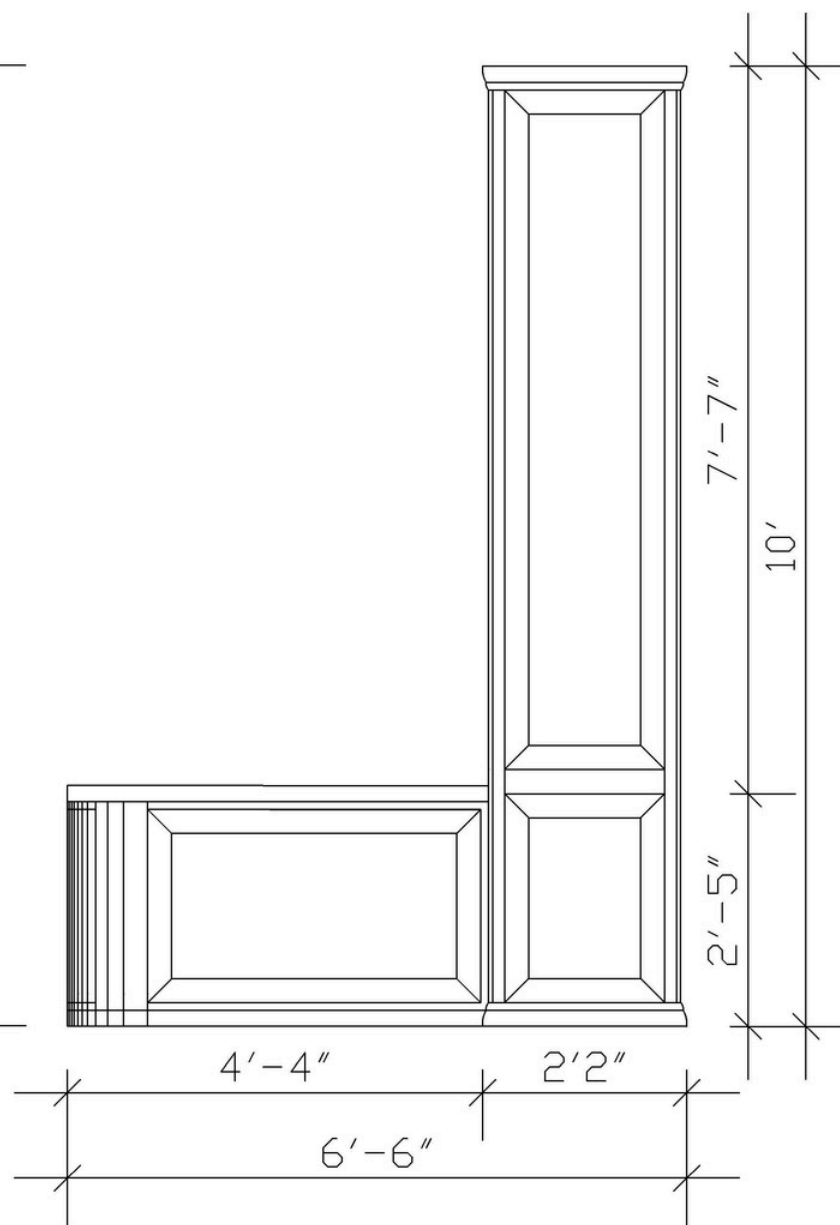
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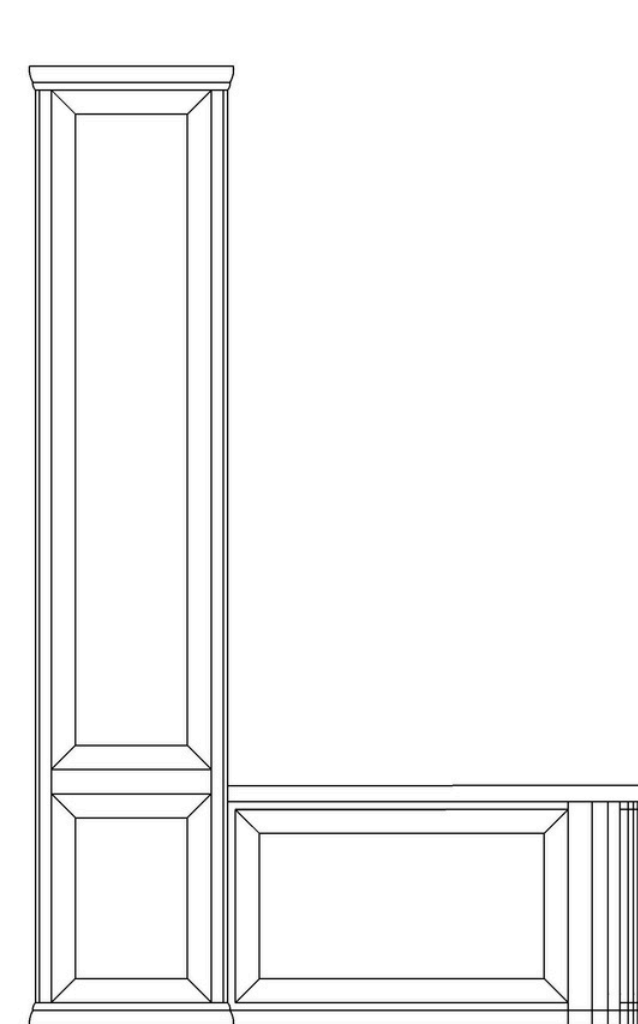
102-01




ELEVATION 3
 SCALE: 1/2" = 1'0"




ELEVATION 4
 SCALE: 1/2" = 1'0"

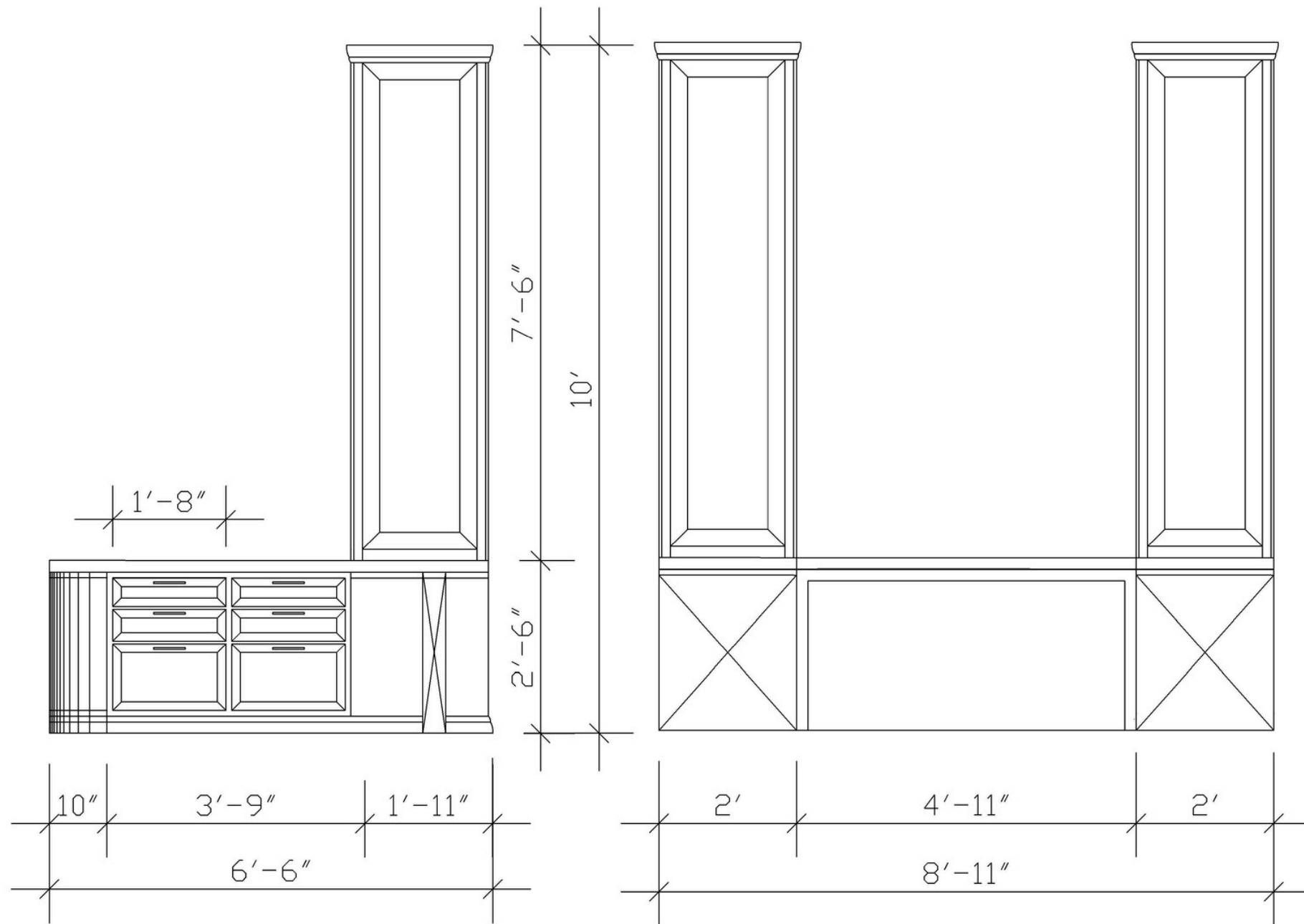



ELEVATION 5
 SCALE: 1/2" = 1'0"

1805 BOOKSTORE & CAFE

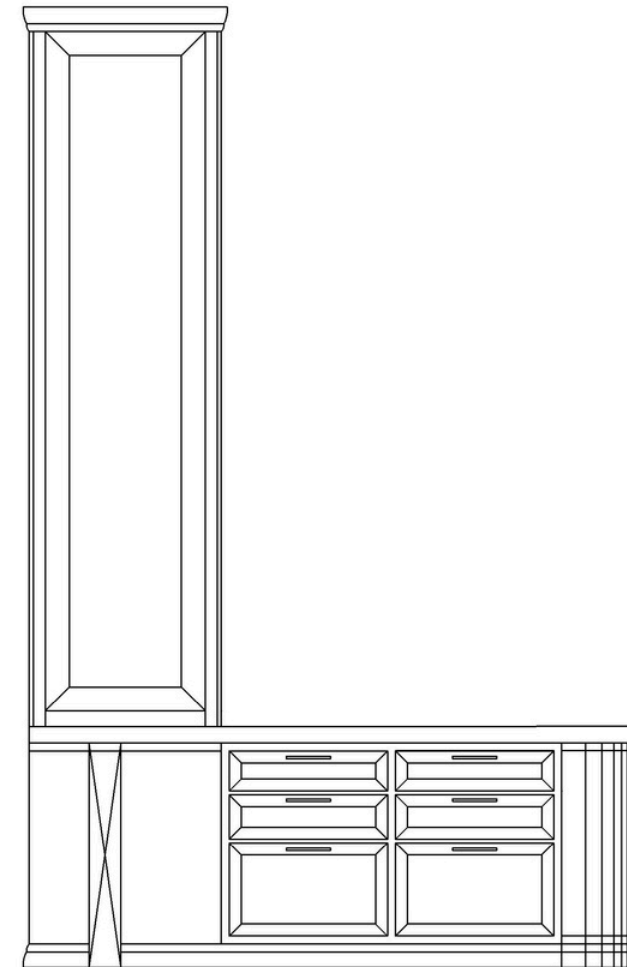
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 11/20/24
 PROJECT #:
 CTD 371-001

1D-202



ELEVATION 6
 SCALE: 1/2" = 1'0"

ELEVATION 7
 SCALE: 1/2" = 1'0"

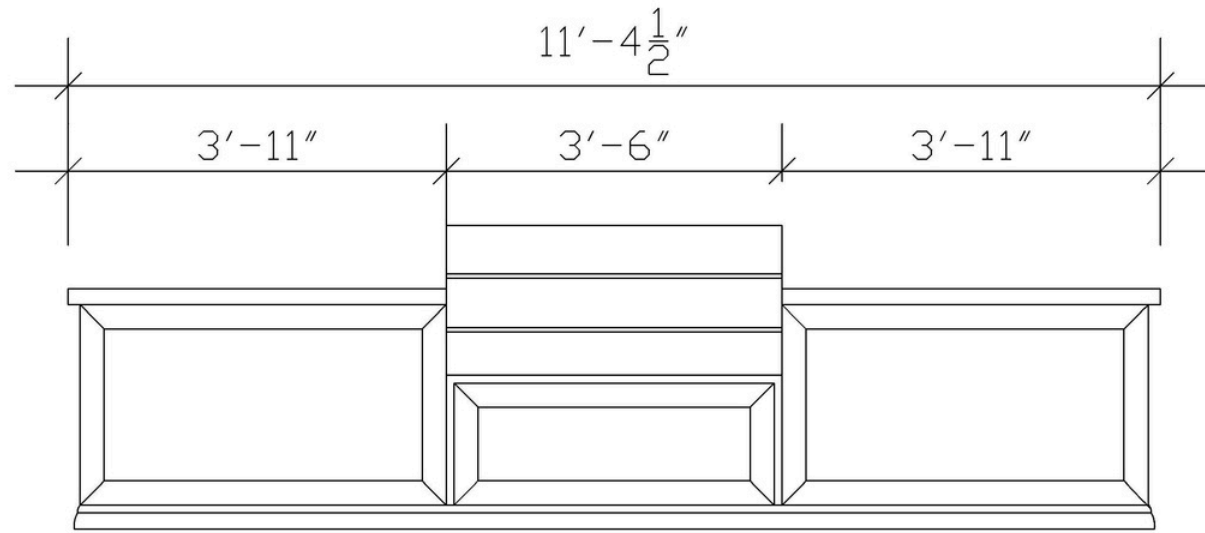


ELEVATION 8
 SCALE: 1/2" = 1'0"

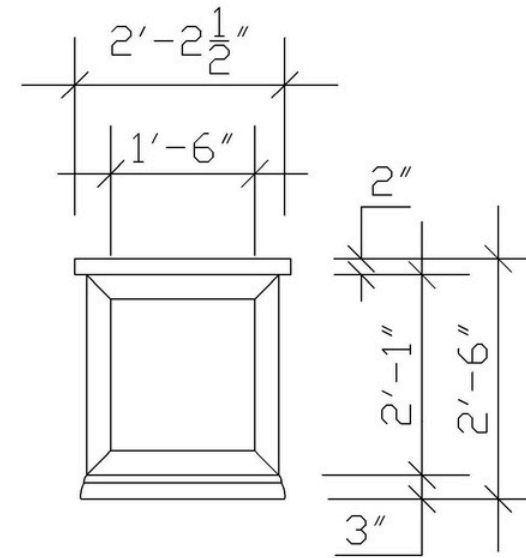
1805 BOOKSTORE & CAFE

NAME:
 BEVERLY BRADSHAW
 DATE:
 11/20/24
 PROJECT #:
 CTD 371-001

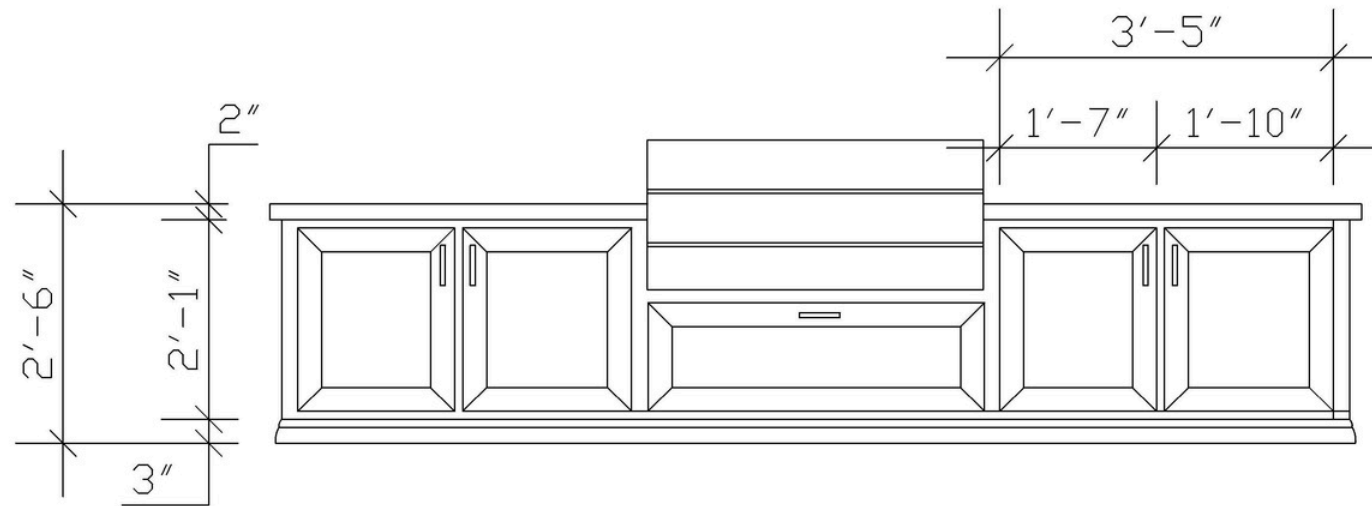
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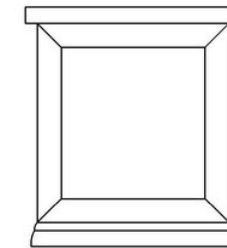

ELEVATION 9
 SCALE: 1/2" = 1'0"




ELEVATION 10
 SCALE: 1/2" = 1'0"




ELEVATION 11
 SCALE: 1/2" = 1'0"

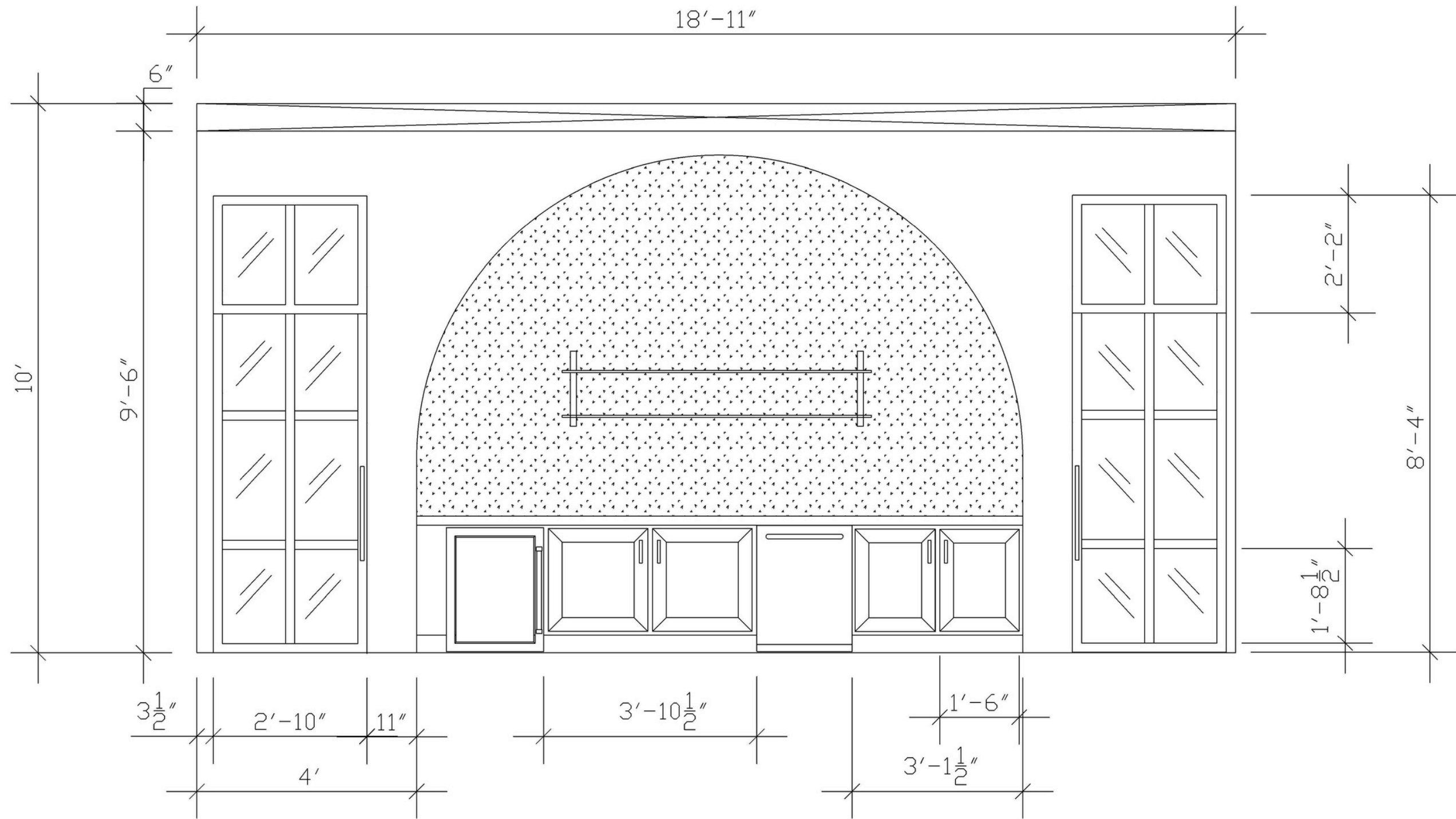



ELEVATION 12
 SCALE: 1/2" = 1'0"

1805 BOOKSTORE & CAFE

NAME:
 BEVERLY BRADSHAW
 DATE:
 11/20/24
 PROJECT #:
 CTD 371-001

1D-204



 ELEVATION 13
SCALE: 1/2" = 1'0"

1805 BOOKSTORE & CAFE

NAME:
BEVERLY BRADSHAW
DATE:
11/20/24
PROJECT #:
CTD 371-001

ID-205