NOTE for Revisions:
A1 set that has been uploaded is only revised for Phasing plan (durations) per EL final schedule.

Sheets updated for Phasing Durations are:
PH001
PH100
PH101
PH102
and
PH103

No other changes have been made to this set since it was uploaded on 5/4/26

# 1 GENERAL NOTES

A. 'DOCUMENTS', AS USED HEREIN, SHALL COMPRISE THE ENTIRE INTEGRATED SET OF ALL WRITTEN INSTRUMENTS RELATED TO THE PROJECT, INCLUSIVE OF, BUT NOT EXCLUSIVE TO, ALL CONTRACTS, SUBCONTRACTS, DRAWINGS, SKETCHES, MEMORANDA, ADDENDA, SPECIFICATIONS, MANUALS, POLICIES, RULES AND REGULATIONS, LANDLORD DESIGN CRITERIA, SUBMITTALS, SHOP DRAWINGS, PERMITS, APPROVALS, REGULATIONS AND CODES. 'PROJECT', AS USED HEREIN, SHALL REFER TO THE ENTIRE SCOPE OF PROVIDING A FINISHED FACILITY, READY AND USEABLE FOR IT'S INTENDED PURPOSE. GC SHALL BE RESPONSIBLE TO VISIT THE SITE PRIOR TO SUBMISSION OF BID. ANY DISCREPANCIES FROM PLANS SHALL BE CONVEYED TO THE ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO BID SUBMISSION. SUBMISSION OF BID SHALL CONSTITUTE ACKNOWLEDGEMENT AND ACCEPTANCE OF EXISTING CONDITIONS.

B. ALL MATERIALS AND/OR LABOR FOR THE PROJECT WHICH IS SHOWN ON THE DRAWINGS AND SPECIFICATIONS OR IS REASONABLY INFERABLE THEREIN AS BEING NECESSARY TO PRODUCE A FINISHED PROJECT, SHALL BE PROVIDED BY GENERAL CONTRACTOR, WHETHER OR NOT THE WORK IS EXPRESSLY COVERED IN THE DOCUMENTS. THIS APPLIES TO ALL WORK, WITH THE EXCEPTION OF THOSE ITEMS INDICATED N.I.C. ("NOT IN CONTRACT") OR BY OTHERS. THE DESIGN INTENT OF THE DRAWINGS SHALL ALWAYS BE THE GOAL.

C. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION BETWEEN SUBCONTRACTORS, SUPPLIERS, VENDORS OR ANY OTHER PARTIES SUPPLYING GOODS OR SERVICES TO THE PROJECT. NO EXTRA COMPENSATION WILL BE GIVEN TO ANY PARTY WHO HAS BID FROM AN INCOMPLETE SET OF DOCUMENTS OR WITH INSUFFICIENT FAMILIARITY WITH THE PROJECT OR THE SPECIFIC REQUIREMENTS THEREOF. IN THE EVENT OF INCONSISTENCIES OR DISCREPANCIES BETWEEN THE DOCUMENTS, CODES, CRITERIA OR REQUIREMENTS, THE MOST STRINGENT SHALL APPLY. THE GENERAL CONTRACTOR SHALL NOTIFY THE ESSILOR LUXOTTICA PROJECT MANAGER IMMEDIATELY OF SUCH DISCREPANCIES OR INCONSISTENCIES.

D. IT IS THE RESPONSIBILITY OF THE G.C. TO VERIFY BOTH EXISTING SITE CONDITIONS AND DIMENSIONS WITHIN 24 HOURS OF STARTING ANY PROJECT. THE G.C. SHALL NOTIFY THE ESSILOR LUXOTTICA PROJECT MANAGER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO INITIATING CONSTRUCTION.

E. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A CURRENT SET OF CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES DURING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL INDICATE ON THESE PLANS ALL APPROVED CHANGES TO THE WORK. THIS SET OF DRAWINGS SHALL BE UPLOADED VIA PROJECT READY IN PDF FORMAT TO THE ESSILOR LUXOTTICA PROJECT MANAGER UPON COMPLETION OF THE PROJECT. THESE DRAWINGS SHALL BE MARKED UP TO REPRESENT A COMPLETE AND ACCURATE SET OF 'AS-BUILT' DRAWINGS. ANY AND ALL CHANGES SHALL BE NOTED ON SAID PLANS. PROVIDE MARKED UP PLANS TO ESSILOR LUXOTTICA PROJECT MANAGER AT PUNCH WHICH WILL THEN BE STORED ON SITE IN THE DRAWING TUBE LOCATED AT THE PHONE BOARD.

F. ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED IN THE CONTRACT DOCUMENTS BY THE GC SHALL BE BROUGHT TO THE ATTENTION OF THE ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION BEFORE PROCEEDING WITH THE RELATED WORK. OTHERWISE, THE CORRECTION OF SUCH ITEMS WILL BE THE RESPONSIBILITY OF THE GC.

G. NO MATERIAL SUBSTITUTIONS WILL BE ALLOWED UNLESS SUBMITTED IN WRITING AND APPROVED IN WRITING BY THE ESSILOR LUXOTTICA PROJECT MANAGER.

H. THE GENERAL CONTRACTOR SHALL, ON OR BEFORE THE SOONER OF: WITHIN 10 WORKING DAYS OF CONTRACT AWARD OR THE START OF THE PROJECT, PROVIDE TO ESSILOR LUXOTTICA'S PROJECT MANAGER AND KEEP CURRENT, A LIST OF ALL SUBCONTRACTORS TO BE USED ON THE PROJECT. THE GENERAL CONTRACTOR SHALL ALSO PROVIDE A COPY OF THIS LIST TO THE ESSILOR LUXOTTICA PROJECT MANAGER AT CONSTRUCTION COMPLETION, AND A COPY IS TO BE INCLUDED IN THE CLOSEOUT PACKAGE FROM THE GENERAL CONTRACTOR.

I. THE GENERAL CONTRACTOR SHALL INSPECT, VERIFY AND INVENTORY ALL SHIPMENTS OF ESSILOR LUXOTTICA SUPPLIED MATERIALS, INCLUDING THOSE TO AND FROM ANY OFF SITE WAREHOUSE FACILITIES. THIS INCLUDES VERIFYING PACKING LISTS AGAINST ORDER FORMS AND BILLS OF LADING, AND NOTING AND REPORTING ANY DAMAGES OR SHORTAGES TO THE ESSILOR LUXOTTICA PROJECT MANAGER. IF NOT DONE WITHIN 24 HOURS OF DELIVERY, THE GENERAL CONTRACTOR SHALL BEAR ANY AND ALL ASSOCIATED COSTS, INCLUDING EXPEDITED FREIGHT CHARGES, TO MEET THE CONSTRUCTION SCHEDULE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FILING DAMAGE REPORTS AND MAINTAINING PACKING MATERIALS FOR RETURN SHIPMENT OF DAMAGED ITEMS.

J. THE GENERAL CONTRACTOR SHALL KEEP ALL HANDBOOKS, MANUALS, WARRANTY DOCUMENTS AND MISCELLANEOUS PAPERWORK, INCLUDING ALL PACKING SLIPS AND BILLS OF LADING IN A MARKED BINDER. THIS BINDER IS TO BE TURNED OVER TO THE STORE GENERAL MANAGER AT PROJECT COMPLETION. COPIES OF THOSE ITEMS AND DOCUMENTS REQUIRED FOR INCLUSION IN THE CLOSEOUT PACKAGE SHALL BE MADE BY THE GENERAL CONTRACTOR AS NEEDED FOR THIS SUBMISSION.

K. THE GENERAL CONTRACTOR SHALL DELIVER TO THE ESSILOR LUXOTTICA PROJECT MANAGER A COPY OF THE CERTIFICATE OF OCCUPANCY (C OF O), LIEN WAIVERS, WARRANTIES, GUARANTEES AND EQUIPMENT OPERATION MANUALS. THE ORIGINAL CERTIFICATE OF OCCUPANCY IS TO BE LEFT WITH THE STORE GENERAL MANAGER.

L. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN UP AND DISPOSAL OF ALL TRASH AND DEBRIS GENERATED BY ALL TRADES. GC TO REMOVE/DISPOSE OF ALL BOXES/CRATES/TRASH OF TENANT SUPPLIED AND INSTALLED ITEMS, INCL. DISPLAY FIXTURES & HARDWARE DAILY CLEAN REQUIRED.

M. THESE CONSTRUCTION DOCUMENTS ARE NOT TO BE SCALED. ALL DIMENSIONS ARE TO FINISH FACE OF WALL, UNLESS OTHERWISE NOTED.

N. THESE DRAWINGS ARE NOT TO BE ALTERED IN ANY WAY WITHOUT THE WRITTEN AUTHORIZATION FROM ESSILOR LUXOTTICA'S ARCHITECT.

O. THE GENERAL CONTRACTOR SHALL MAINTAIN EGRESS AT ALL TIMES DURING STORE OPERATION / CONSTRUCTION.

P. THE GENERAL CONTRACTOR SHALL COORDINATE CONSTRUCTION TIMES AND NOISE REQUIREMENTS WITH LANDLORD AT TIME OF BID AND PRIOR TO CONSTRUCTION START, NO EXTRA COSTS WILL BE ALLOWED TO ACCOMMODATE ANY RESTRICTIONS OR LIMITATIONS.

Q. UPON COMPLETION OF CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CLEAN ALL SURFACES / FIXTURES PER MANUFACTURER'S INSTRUCTIONS AND TO EMPLOY THE SERVICES OF A PROFESSIONAL CLEANING COMPANY TO ASSURE DELIVERY TO THE TENANT OF AN ABSOLUTELY CLEAN STORE. (3) CLEANINGS REQUIRED. (1) PRIOR TO PUNCH, (1) AT TURNOVER & (1) AT STORE OPENING. THE FINAL CLEANING IS TO BE PERFORMED NO MORE THAN ONE DAY PRIOR TO THE TURN OVER. IF AN UNTIDY STORE IS TURNED OVER, ESSILOR LUXOTTICA RESERVES THE RIGHT, WITHOUT NOTICE TO THE GENERAL CONTRACTOR, TO EMPLOY PROFESSIONAL CLEANING SERVICES AND DEDUCT THE COST PLUS 15% FROM THE BALANCE OF THE GENERAL CONTRACTOR.

R. THE GENERAL CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING FOR ALL EQUIPMENT, FINISHES, MERCHANDISE, CARPET, ETC., INCLUDING THE WORK OF OTHERS, THROUGHOUT THE DURATION OF THE PROJECT. THE GENERAL CONTRACTOR SHALL WITHOUT EXCEPTION, PROVIDE AND INSTALL ANY AND ALL DUST PROTECTION REQUIRED DURING CONSTRUCTION. PROVIDE BLANKETS, CARDBOARD, ETC AS NECESSARY TO PROTECT MILLWORK SURFACES.

S. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ACTIVITIES AND ANY INTERRUPTION OF SERVICES WITH THE LANDLORD PRIOR TO THE START OF CONSTRUCTION. ANY SHUT DOWNS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR

T. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, THE LANDLORD'S TENANT DESIGN CRITERIA, THE LANDLORD'S CONSTRUCTION RULES AND REGULATIONS, ESSILOR LUXOTTICA STANDARD SPECIFICATIONS, ESSILOR LUXOTTICA'S STANDARD CONSTRUCTION DETAILS AND ACCEPTED BEST CONSTRUCTION PRACTICES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO FILE ANY NEEDED "NOTICE OF COMMENCEMENT" OR OTHER FILINGS RELATED TO THE PROJECT IN THE APPROPRIATE OFFICES AND SHALL BE RESPONSIBLE TO POST SUCH NOTICES AT THE JOB SITE.

U. ALL WOOD CONSTRUCTION, INCLUDING BLOCKING, SHALL BE FIRE RESISTANT TREATED (FRT). ANY NEW FRAMING AT THE STOREFRONT AND / OR ABOVE THE CEILING SHALL BE NON-COMBUSTIBLE.

V. THE GENERAL CONTRACTOR SHALL PROVIDE ALL FIRE EXTINGUISHERS (AND WHERE APPLICABLE, FIRE EXTINGUISHER CABINETS). CONCEALED BLOCKING AND SIGNAGE FOR FIRE EXTINGUISHERS AS REQUIRED. QUANTITIES, SIZES AND LOCATIONS SHOWN IN THE DRAWINGS ARE ONLY SUGGESTED. QUANTITIES, SIZES AND LOCATIONS. THE MOST STRINGENT REQUIREMENT OF ANY BODY HAVING JURISDICTION SHALL PREVAIL.

W. GENERAL CONTRACTOR TO PROVIDE ALL FLOOR PREPARATION AS NEEDED TO ASSURE COMPLIANCE WITH FINISHED FLOORING MANUFACTURER SPECIFICATIONS.

X. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL CEILING WORK WITH THE MEP DRAWINGS.

Y. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL LIGHTING WITH THE ELECTRICAL DRAWINGS / REFLECTED CEILING PLAN.

Z. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING AND INSTALLING ALL LIGHT FIXTURES SUPPORTS, INCLUDING ANY AND ALL SEISMIC REQUIREMENTS.

AA. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING REQUIRED FIRE RATINGS AND FIRE PROOFING IN ALL INSTANCES.

AB. ALL PENETRATIONS OF DEMISING WALLS, ROOF AND FLOOR SHALL BE FIRE SAFE / PROOF PER CODES / LANDLORD REQUIREMENTS. THE MOST STRINGENT REQUIREMENT SHALL PREVAIL.

AC. THE GENERAL CONTRACTOR SHALL RECEIVE, UNLOAD, AND PROVIDE SAFE STORAGE OF ALL ESSILOR LUXOTTICA / ESSILOR LUXOTTICA SUPPLIED AND / OR INSTALLED MATERIAL. TRASH REMOVAL OF ALL BOXES / CRATES CONTAINING ESSILOR LUXOTTICA / ESSILOR LUXOTTICA SUPPLIED AND / OR INSTALLED MATERIAL, INCLUDING BUT NOT LIMITED TO FLOORING, MILLWORK, LIGHTING, HARDWARE, ACCESSORIES, EQUIPMENT, ETC. SHALL BE BY THE GENERAL CONTRACTOR.

AD. NOTICE OF INCIDENT: THE GENERAL CONTRACTOR SHALL, VIA ELECTRONIC MEDIUM AND ESSILOR LUXOTTICA STANDARD NOTIFICATION AND REPORTING FORMS, IMMEDIATELY NOTIFY THE ESSILOR LUXOTTICA PROJECT MANAGER OF ANY INCIDENT INVOLVING THE PROJECT WHICH RESULTS IN CONTACT WITH ANY FEDERAL, STATE OR LOCAL GOVERNMENT AGENCY OR AS CALLED OUT IN ESSILOR LUXOTTICA'S OR THE LANDLORDS RULES, REGULATIONS OR POLICIES.

AE. WEEKLY PROGRESS PHOTOS, DAILY REPORTS, SAFETY INSPECTIONS, SCHEDULE UPDATES, CHANGE ORDER LOGS, RFI/SUBMITTAL LOGS, AND TOOL BOX TOPICS SHALL BE SUBMITTED TO THE ESSILOR LUXOTTICA PROJECT MANAGER VIA PROJECT READY AS REQUIRED IN THE DOCUMENTS OR DIRECTED BY THE ESSILOR LUXOTTICA PROJECT MANAGER.

AF. FOR THOSE PROJECTS THAT ARE "OPEN REMODELS": STORES WILL REMAIN OPEN DURING REGULAR BUSINESS HOURS WHILE CONSTRUCTION IS IN PROGRESS. ALL DISTURBANCES TO SURROUNDING BUSINESSES AND AREAS MUST BE KEPT TO A MINIMUM. WORK DURING AN OPEN REMODEL IS TYPICALLY PERFORMED "AFTER NORMAL OPERATING HOURS." GC MUST COORDINATE WITH ESSILOR LUXOTTICA PROJECT MANAGER AND OR STORE OPERATIONS MANAGER PRIOR TO CONSTRUCTION START. THERE SHALL BE NO UP-CHARGE SUBMITTED, ALLOWED, OR CONSIDERED FOR ANY SUCH AFTER HOURS WORK.

AG. E.C. SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.

1-LC09-G001-REV05

# 1A SHOP DRAWING APPROVAL

FIRE SPRINKLER AND FIRE ALARM SYSTEMS SHOP DRAWINGS MUST BE SUBMITTED FOR APPROVAL, WHEN APPLICABLE TO THE PROJECT. THE ARCHITECT AND ESSILOR LUXOTTICA PROJECT MANAGER MUST APPROVE THE SHOP DRAWINGS BEFORE ANY INSTALLATION CAN OCCUR. THE DESIGN INTENT OF THE CEILING IS FOR ALL CEILING ELEMENTS TO BE IN ALIGNMENT WITH EACH OTHER, INCLUDING FIRE ALARM DEVICES AND SPRINKLER HEADS. IF FIRE ALARM AND SPRINKLER HEADS ARE INSTALLED WITHOUT THE PROJECT MANAGER OR ARCHITECT'S APPROVAL, THE GENERAL CONTRACTOR IS SUBJECT TO RELOCATING THESE ITEMS, TO ACHIEVE THE DESIRED ALIGNMENT, AT THE GENERAL CONTRACTORS COST.

1A-LC09-G001-REV02

# 2 GENERAL CONTRACTOR NOTES

SAFETY:
SAFETY OF ALL EMPLOYEES, ASSOCIATES AND CUSTOMERS SHALL BE THE NUMBER ONE PRIORITY FOR ALL CONTRACTORS ON ANY ESSILOR LUXOTTICA PROJECT. OSHA REQUIREMENTS SHALL BE INCORPORATED INTO THE SCOPE OF WORK EVEN THOUGH THEY MAY NOT BE LISTED SEPARATELY. CONTRACTOR SHALL MAINTAIN A COPY OF THEIR SITE SPECIFIC SAFETY PLAN ON SITE AT ALL TIMES

1. BUILDING PERMIT AND CERTIFICATE OF OCCUPANCY:
   A. THE GC SHALL CONTACT THE ESSILOR LUXOTTICA PROJECT MANAGER OR THE PERMIT EXPEDITOR TO SECURE THE PERMIT. PERMIT SHALL BE MOUNTED IN A VISIBLE, LOCATION AT THE SITE. PERMITS SHALL BE PAID FOR BY THE GC AND SUBMITTED TO TENANT AS A NET COST.
   B. THE GC SHALL ARRANGE FOR ALL REQUIRED INSPECTIONS.
   C. THE GC SHALL DETERMINE IF THE INSPECTORS WILL BE CHECKING LAB FOR UL OR ETL LABELS AND NOTIFY THE ESSILOR LUXOTTICA PROJECT MANAGER NO LATER THAN 4 WEEKS BEFORE "PUNCH".
   D. IF REQUIRED, A "TEMPORARY C OF O" OR BUILDING DEPARTMENT APPROVAL SHALL BE RECEIVED TO SET DOWN EQUIPMENT.
2. DIMENSIONS:
   THE WORD 'HOLD' REFERS TO A CRITICAL DIMENSION AND MUST BE ADHERED TO. IF THESE DIMENSIONS CAN NOT BE MET, SUBMIT IN WRITING & CALL ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION.
3. ON-SITE COMMUNICATION:
   A. THE GC SHALL CONTACT THE ESSILOR LUXOTTICA PROJECT MANAGER TO RESOLVE ALL FIELD ISSUES.
   B. GC TO HAVE CELL PHONE WITH VOICEMAIL CAPABILITIES.
   C. GC TO HAVE LAPTOP ON SITE WITH WIFI CAPABILITIES.
   D. GC TO HAVE PRINTER ON SITE.
4. CHANGE ORDERS:
   NO ADDITIONAL COSTS OR DESIGN CHANGES WILL BE ACCEPTED WITHOUT THE WRITTEN APPROVAL OF THE ESSILOR LUXOTTICA PROJECT MANAGER AND THE EXECUTION OF THE ESSILOR LUXOTTICA CHANGE ORDER PROCESS, PRIOR TO THE COMMENCEMENT OF SUCH WORK. CHANGE ORDER WORK COMPLETED WITHOUT SIGNED APPROVAL TO DO SO, IS DONE SO AT THE GC'S RISK.
5. SUBCONTRACTOR COORDINATION:
   GC TO COORDINATE ALL LUXOTTICA VENDORS ON SITE. THE GC MUST BE PRESENT AT ALL TIMES FOR THE DURATION OF CONSTRUCTION. THE GC SHALL; GIVE SUBCONTRACTORS APPROPRIATE NOTICE BEFORE REQUIRING THEM ON SITE, COORDINATE INSTALLATION DATES, AND COMMUNICATE SITE SPECIFIC DETAILS. THE GC SHALL COORDINATE THE INSTALLATION SCHEDULE AND DIVERSION OF WORK WITH THE ESSILOR LUXOTTICA PROJECT MANAGER SUBCONTRACTORS SHOULD CONTACT THE GC FOR SCHEDULE CLARIFICATIONS.
6. MILLWORK / CASEWORK: GC SHALL COORDINATE CRITICAL DIMENSIONS PRIOR TO WALL CONSTRUCTION AND HAVE THE AREA READY PRIOR TO FIXTURE DELIVERY. READY SHALL BE DEFINED AS FLOORING DOWN THRU-OUT THE RETAIL AND OPTOMETRIC DOCTOR (OD) RECEPTION. LIGHTING SOFFITS BUILT OUT, DRYWALLED, FINISHED, PAINTED AND LIGHTING FIXTURES INSTALLED, ALL WALLS IN THE RETAIL AND OD RECEPTION MUST BE FINISHED AND PAINTED. ALL ELECTRICAL AND MECHANICAL ROUGH-OUTS MUST BE COMPLETED, STORE MUST BE SECURED FROM THE OUTSIDE. ONCE THE PRE-CONSTRUCTION MILLWORK DROP / INSTALL DATE HAS BEEN ESTABLISHED, ANY CHANGES TO THE ESTABLISHED DATE MUST BE COMMUNICATED AT LEAST 7 CALENDAR DAYS PRIOR.
7. DATA+POS / PHONES:
   A. NEW T.I. & RELO STORES: PHONE BOARD TO BE INSTALLED WITHIN 7 CALENDAR DAYS OF THE CONSTRUCTION START DATE. ACCESS TO PHONE BOARD SHALL BE AFFORDED TO ALL TENANT VENDORS. TELEPHONE, ELECTRIC AND DATA CABLING INSTALLED ONE WEEK BEFORE "PUNCH" FOR HARDWARE INSTALLATION AND TESTING. CONTACT ESSILOR LUXOTTICA PROJECT MANAGER IF NEEDED.
   B. REMODEL STORES: GC TO COORDINATE ALL TEMPORARY AND PERMANENT DATA AND PHONE CABLING DURING THE OPEN REMODEL. KEEPING STORE POS AND PHONE SYSTEMS ON LINE AND ACTIVATED AT ALL TIMES. COORDINATE WORK WITH TENANT LOW VOLTAGE VENDOR.
8. ELECTRICAL AND LIGHTING DELIVERIES
   GC SHALL BE RESPONSIBLE FOR THE COORDINATION OF DELIVERIES, FOR THE OFF-LOADING OF SAME, AND TO VERIFY / REPORT ANY DAMAGE AND FOR THE SAFE STORAGE OF ALL MATERIALS RECEIVED. THE GC SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION.
9. TURNOVER PROCEDURE:
   A. THE GC SHALL CALL THE THE ESSILOR LUXOTTICA PROJECT MANAGER TO CONFIRM THE TURNOVER DATE NO LATER THAN 10 WORKING DAYS BEFORE TURNOVER.
   B. ALL CONSTRUCTION ITEMS, INCLUDING ITEMS ON THE INSTALLATION SCHEDULE ARE TO BE COMPLETED BEFORE TURNOVER DAY.
   C. THE GC AND ESSILOR LUXOTTICA PROJECT MANAGER TO CONDUCT THE PUNCH WALKTHROUGH, NOTING ALL DEFICIENCIES AND TIMING FOR RESOLUTION.
   D. A "SUBSTANTIAL COMPLETION" DOCUMENT WILL BE DISTRIBUTED TO THE GC. THE GC SHALL REMAIN ON SITE UNTIL ALL "PUNCH LIST" ITEMS ARE COMPLETE AND THE ESSILOR LUXOTTICA PROJECT MANAGER HAS APPROVED ITEMS CONFIRMING COMPLETION OF THE "PUNCH LIST" BY GC.
   E. A COPY OF THE "CONFIRMED COMPLETION OF PUNCH LIST" WITH PHOTOS MUST BE GIVEN TO THE ESSILOR LUXOTTICA PROJECT MANAGER BY THE GC.
10. SETDOWN FOR NEW CORPORATE STORES:
    ESSILOR LUXOTTICA'S NEW STORE TEAM WILL DELIVER ALL MERCHANDISE ITEMS TO THE STORE ON THE EVENING OF "TURNOVER" DAY. THE GC SHALL BE ON SITE ON THE DAY AFTER "TURNOVER"; WITH ONE (1) PLUMBER AND ONE (1) ELECTRICIAN TO ASSIST THE SETDOWN TEAM TO RESOLVE ANY ISSUES. THE GC SHALL SUPPLY DUMPSTER AND ASSIST WITH REMOVAL OF SETDOWN DEBRIS.

2-LC09-G001-REV05

# 3 AIR BALANCE REPORTS

G.C. RESPONSIBLE TO OBTAIN CERTIFIED AIR BALANCING REPORT FROM MELINK VENDOR INDEPENDENT FROM THE HVAC CONTRACTOR.

G.C. TO COORDINATE WITH MELINK REGARDING SITE READINESS AND DATES OF INSPECTIONS AROUND TAB REPORTS, PRE-GRID WALK THROUGH AND COMMISSIONING. IF SITE IS NOT READY AND MELINK NEEDS TO RETURN TO PERFORM THEIR WORK, THE G.C. WILL BE RESPONSIBLE FOR ANY COSTS INCURRED FOR A REVISIT AS REQUIRED

3-LC09-G001-REV02

# 4 UTILITY ACCOUNT TRANSFER/SETUP

GENERAL CONTRACTOR'S SUPERINTENDENT SHALL CONTACT THE LL'S PROPERTY MANAGER UPON ARRIVAL AT THE METER INSTALLATIONS FOR GAS/ELECTRIC/WATER:

FOR NEW AND RELOCATED STORES ONLY:

1. GC SHALL ESTABLISH ALL UTILITY ACCOUNTS, I.E. ELECTRICITY, NATURAL GAS, WATER, AND WASTE IN THEIR NAME, AS SOON AS THE PROJECT COMMENCES.
2. THE GC WILL BE REIMBURSED BY US FOR THE UTILITY CHARGES DURING THE COURSE OF THE PROJECT.
3. ONCE UTILITIES HAVE BEEN ESTABLISHED BT THE GC, THE GC IS TO CONTACT SCHNEIDER ELECTRIC AT: LUXOTTICA@SE.COM, CC'ING JASON WATKINS (JASON.WATKINS@SE.COM) AND LEO GARCIA (LEONEL.GARCIA@SE.COM) SO THAT SCHNEIDER MAY TRANSFER AND ESTABLISH THE UTILITY OVER TO ESSILORLUXOTTICA. WHEN CONTACTING SCHNEIDER, THE GC SHALL CONVEY THE FOLLOWING INFORMATION:
   A. STORE ADDRESS AND SPACE NUMBER
   B. EACH UTILITY COMPANY'S NAME AND PHONE NUMBERS FOR NATURAL GAS OR PROPANE, ELECTRIC, WATER, SEWER, AND WASTE)
   C. THE METER AND SOCKET NUMBERS (WHICHEVER IS APPLICABLE), FOR EACH UTILITY ACCOUNT TO BE ESTABLISHED IN LUXOTTICA'S NAME.
      i.) A PHOTOGRAPH OF EACH METER, IT'S METER NUMBER AND SERIAL NUMBER IS BEST, AND THEN E-MAILED TO SCHNEIDER: LUXOTTICA@SE.COM

4-LC09-G001-REV05

# 5 SCOPE OF WORK

THESE CONSTRUCTION DOCUMENTS DESCRIBE THE REMODEL OF AN EXISTING LENSCRAFTERS TENANT SPACE. IT IS THE INTENT OF THE CLIENT THAT THIS WORK WILL BE DONE AS AN OPEN REMODEL IN PHASES SO AS TO ALLOW PORTIONS OF THIS TENANT SPACE TO REMAIN OPEN FOR BUSINESS. PLEASE REFER TO THE PHASING PLANS IN THIS SET OF CONSTRUCTION DOCUMENTS DESCRIBING THE PLANNED PHASING OF DEMOLITION AND NEW CONSTRUCTION.

- NEW INTERIOR PARTITION WALLS
- RECLAD EXISTING STOREFRONT FRAME AND REPLACE WITH NEW STOREFRONT ON THE EXPANSION SIDE
- NEW STOREFRONT SIGNAGE & BLADE SIGNAGE
- NEW WALL, CEILING & FLOOR FINISHES
- NEW GYP. BD., ACT CEILINGS AND LIGHTING
- NEW INTERIOR SIGNAGE & GRAPHICS
- ELECTRICAL WORK FOR NEW LIGHTING, SIGNAGE, & DISPLAY FIXTURES
- NEW SECURITY FILM ON STOREFRONT GLAZING
- NEW MOP SINK & DRINKING FOUNTAIN
- NEW RESTROOMS, INCLUDING FIXTURES & ACCESSORIES
- NEW ELECTRICAL PANELS, DISTRIBUTION & TECH RACK
- NEW HVAC EQUIPMENT SWAP ONE FOR ONE AND RELOCATED DUCTWORK
- SPRINKLER & FIRE ALARM ADJUSTMENTS FOR NEW LAYOUT

5-LC09-G001-REV02

# 6 JOB SITE ADDRESS

| | |
|---|---|
| NAME | LENSCRAFTERS, STORE 518 |
| STREET ADDRESS | 10300 LITTLE PATUXENT PKWY., SUITE 1005 |
| CITY, STATE, ZIP | COLUMBIA, MD 21044 |
| PHONE | (410) 740-2278 |

6-LC09-G001-REV00

# 7 JURISDICTION

| | |
|---|---|
| DEPARTMENT | HOWARD COUNTY INSPECTIONS, LICENSES & PERMITS |
| STREET ADDRESS | 3430 COURTHOUSE DRIVE |
| CITY, STATE, ZIP | ELLICOTT CITY, MD 21403 |
| PHONE | (410) 313-2455 |

7-LC09-G001-REV00

# 8 LANDLORD'S ADDRESS

| | |
|---|---|
| LANDLORD | BROOKFIELD PROPERTIES |
| SR. TENANT COORD. | JILL GEORGE |
| STREET ADDRESS | 250 VESEY STREET, 15TH FLOOR |
| CITY, STATE, ZIP | NEW YORK, NY 10281 |
| PHONE | (410) 992-6045 |
| EMAIL | JILL.GEORGE@BROOKFIELDPROPERTIES.COM |

8-LC09-G001-REV00

# 9 DEFERRED SUBMITTALS

1. SPRINKLER
2. FIRE ALARM
3. SIGNAGE BY LUXOTTICA VENDOR

9-LC09-G001-REV05

# 10 CODE INFORMATION

| | |
|---|---|
| CONSTRUCTION TYPE: | II-B |
| EXISTING OCCUPANCY: | M (MERCANTILE) & B (BUSINESS) |
| PROPOSED OCCUPANCY: | M (MERCANTILE) & B (BUSINESS) [2366 SQ. FT. B] |
| BUILDING: | 2024 INTERNATIONAL BUILDING CODE |
| MECHANICAL: | 2024 INTERNATIONAL MECHANICAL CODE |
| FIRE: | 2021 NFPA 101 LIFE SAFETY CODE |
| PLUMBING: | 2024 INTERNATIONAL PLUMBING CODE |
| ELECTRICAL | 2023 NATIONAL ELECTRIC CODE W/ LOCAL AMENDMENTS |
| ENERGY: | 2024 INTERNATIONAL ENERGY CONSERVATION CODE |
| ACCESSIBILITY CODE: | 2010 AMERICAN DISABILITIES ACT (ADA) |
| ADDITIONAL CODES | - |

SPRINKLERED: - YES
FIRE ALARM: - YES NFPA 72
FIRE EXTINGUISHERS: NFPA 10

OCCUPANT LOAD: TABLE 1004.5 GROSS LEASE AREA 3870 SQ. FT.

| ROOM | AREA | OCCUPANCY |
|---|---|---|
| RETAIL SALES AREA (M) | 1504 SQ. FT. | SQ. FT / 60 PERSON = 25.06 |
| LAB (B) | 206 SQ. FT. | SQ. FT / 150 PERSON = 01.37 |
| B.O.H. + CORRIDOR (120) (B) | 398 SQ. FT. | SQ. FT / 150 PERSON = 02.65 |
| CORRIDORS (104+116+117) (B) | 345 SQ. FT. | SQ. FT / 150 PERSON = 02.30 |
| CONTACT LENS (B) | 99 SQ. FT. | SQ. FT / 150 PERSON = 00.66 |
| O.D. ADMIN. (B) | 63 SQ. FT. | SQ. FT / 150 PERSON = 00.42 |
| O.D. RECEPTION (B) | 319 SQ. FT. | SQ. FT / 150 PERSON = 02.12 |
| EXAM #1 (B) | 99 SQ. FT. | SQ. FT / 150 PERSON = 00.66 |
| EXAM #2 (B) | 113 SQ. FT. | SQ. FT / 150 PERSON = 00.75 |
| EXAM #3 (B) | 102 SQ. FT. | SQ. FT / 150 PERSON = 00.68 |
| MANAGER'S OFFICE (B) | 81 SQ. FT. | SQ. FT / 150 PERSON = 00.54 |
| MEDICAL ROOM (B) | 147 SQ. FT. | SQ. FT / 150 PERSON = 00.98 |
| PRETEST #1 (B) | 63 SQ. FT. | SQ. FT / 150 PERSON = 00.42 |
| PRETEST #2 (B) | 75 SQ. FT. | SQ. FT / 150 PERSON = 00.50 |
| LAB (B) | 38 SQ. FT. | SQ. FT / 150 PERSON = 00.25 |
| IT CLOSET (B) | 56 SQ. FT. | SQ. FT / 150 PERSON = 00.37 |
| UNOCCUPIED SPACES | 162 SQ. FT. | SQ. FT / 0 PERSON = 00.00 |
| | 3870 TOTAL SQ. FT. | TOTAL OCCUPANT LOAD: 41 |

EGRESS WIDTH PER OCCUPANT: 0.2 INCHES PER PERSON
1.) 1005.3.2 EGRESS COMPONENTS
0.2 INCHES PER OCCUPANT x 41 OCCUPANTS = 8.2 INCHES (REQUIRED)

2.) ACTUAL WIDTH PROVIDED:
THROUGH ENTRY (1) PAIR 3'-0" DOORS = 68" CLEAR
THROUGH REAR DOOR (1) 3'-0" DOOR = 34" CLEAR

TABLE 1006.3.1 MINIMUM NUMBER OF EXITS: 1-500 occupants = 2 exits

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE:
(M) 250 feet sprinklered (B) 300 feet sprinklered

1018.3 AISLE SPACING 44" min. (unless under 50 occs than 36" min.)
FROM SECTION 1020.2

1020.4 DEAD ENDS: no dead ends in corridors more than 20 ft.
EXCEPTIONS: where the building is equipped through-out with automatic sprinkler system the length of the dead-end corridors shall not exceed 50 ft.

1024.2 EXIT PASSAGEWAY WIDTH:
44" min. for occupant load of 50 or more.
36" min. for occupant load of less than 50

PLUMBING FIXTURES: 41 OCCUPANTS TOTAL (26 MERCANTILE / 15 BUSINESS)
(21 OCCS MEN / 21 OCCS WOMEN)

| | |
|---|---|
| WATER CLOSETS | REQUIRED: 2 (MERCANTILE): 1 PER 500 OCCUPANTS (BUSINESS): 1 PER 25 FOR THE FIRST 50 OCCUPANTS AND 1 PER 50 > 50 OCCUPANTS PROVIDED: 2 CONVENIENCE EXISTING 2902.3.4 – MALL RESTROOMS FOR PUBLIC |
| LAVATORIES | REQUIRED: 2 (MERCANTILE): 1 PER 750 OCCUPANTS (BUSINESS): 1 PER 40 FOR THE FIRST 80 OCCUPANTS AND 1 PER 80 > 80 OCCUPANTS PROVIDED: 2 CONVENIENCE EXISTING 2902.3.4 – MALL RESTROOMS FOR PUBLIC |
| DRINKING FOUNTAIN | REQUIRED: 1 (MERCANTILE): 1 PER 100-1000 (BUSINESS): 1 PER 100 PROVIDED: 0 2902.5 EXCEPTION – MALL DRINKING FOUNTAIN MEETS REQUIREMENTS |
| SERVICE SINK | REQUIRED: 1 (MER

# 1 RESPONSIBILITY SCHEDULE

NOTE: THE GENERAL CONTRACTOR SHALL VERIFY ALL ITEMS ON THIS SCHEDULE FOR ACCURACY PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO ESSILOR LUXOTTICA PROJECT MANAGER IMMEDIATELY.

T= TENANT
GC= GENERAL CONTRACTOR
LL= LANDLORD
MW= MILLWORKER
N/A= NOT APPLICABLE

| | SUPL. | RCV. | INSTL. | EXIS. | P & R | RELO. | REMARKS |
|---|---|---|---|---|---|---|---|
| **DIVISION 01000 - GENERAL** | | | | | | | |
| BUILDING PERMIT | GC | GC | | | | | GC SHALL AMEND / PICK UP PERMIT & PAY ADD'TL FEES; FEES BILLABLE TO ESSILOR LUXOTTICA AT NET COST; VIA CHANGE ORDER #1 |
| BUSINESS LICENSE | T | | | | | | CONSTRUCTION PROJECT MANAGER TO APPLY FOR AT BEGINNING OF PROJECT, GC TO COORDINATE |
| TELEPHONE SERVICE | T | | | | | | CONSTRUCTION PROJECT MANAGER TO APPLY FOR AT BEGINNING OF PROJECT, GC TO COORDINATE |
| UTILITY ACCOUNT TRANSFER/SETUP | GC | | | | | | GC TO COMPLETE AT BEGINNING OF JOB, SEE G001 OR ELECTRICAL SHEETS FOR SET UP INFO |
| PROFESSIONAL CLEAN-UP, FINAL CLEANING | GC | GC | | | | | (3) CLEANINGS REQUIRED. (1) PRIOR TO PUNCH, (1) AT TURNOVER, (1) AT OPEN. SEE SHEET G001, GENERAL NOTE 'Q' FORE MORE INFO. GC TO STEAM IRON DRY EYE ROOM RETRACTABLE CURTAINS |
| DEMOLITION | GC | GC | | | | | FIELD VERIFY EXISTING CONDITIONS AND SEE PLANS FOR SCOPE |
| TEMPORARY FACILITIES / UTILITIES | GC | GC | GC | | | | IF REQUIRED |
| OTHER PERMITS, FEES, INSURANCE | GC | GC | | | | | INCLUDING ALL LOCAL PEST CONTROL REQUIREMENTS, PERMITS, VERIFY REQUIREMENTS |
| TEMPORARY BARRICADES (W/ ESSILOR LUXOTTICA BRAND SPECIFIC LOGO) | T | | T | | | | COORDINATE WITH LANDLORD. |
| TEMPORARY WINDOW GRAPHICS TO ACT AS BARRICADE (W/ ESSILOR LUXOTTICA BRAND SPECIFIC LOGO) | T | | T | | | | N/A |
| TRASH REMOVAL AND DUMPSTER(S) | GC | GC | | | | | VERIFY TOWN AND LANDLORD REQUIREMENTS. GC. TO REMOVE/DISPOSE OF ALL BOXES/CRATES/TRASH OF TENANT SUPPLIED AND INSTALLED ITEMS, INCL. DISPLAY FIXTURES & HARDWARE. DAILY CLEAN REQUIRED. |
| **DIVISION 03000 - CONCRETE** | SUPL. | RCV. | INSTL. | EXIS. | P & R | RELO. | REMARKS |
| CONCRETE SLAB (NEW OR PATCH FILL) | GC | GC | GC | ● | GC. | | G.C. TO FIELD VERIFY EXIST. COND. TO DETERMINE EXTENT OF SCOPE. SEE SHEET A410 FOR POUR BACK DETAIL. |
| CUTTING OF EXISTING SLAB-TRENCHING OR CORE DRILLING | GC | GC | GC | | | | COORD. W/ LANDLORD & AFFECTED TENANTS. VERIFY W OPERATIONS PRIOR TO ANY CORING OR TRENCHING. |
| STRUCTURAL CONCRETE & REINFORCING | GC | GC | GC | | GC | | SEE POUR BACK DETAIL S/A410 AND MEP DRAWING SHEETS |
| SIDEWALK / ENTRY | GC | GC | GC | ● | | | GC TO FIELD VERIFY FOR ANY DEFECTS WHICH REQUIRE ATTENTION |
| **DIVISION 04000 - MASONRY** | SUPL. | RCV. | INSTL. | EXIS. | P & R | RELO. | REMARKS |
| STOREFRONT FACADE | GC | GC | GC | | | | |
| CLEANING OF MASONRY | GC | GC | GC | | | | |
| CONCRETE MASONRY UNIT WALLS | GC | GC | GC | ● | GC | | GC TO FIELD VERIFY FOR ANY DEFECTS WHICH REQUIRE ATTENTION |
| **DIVISION 05000 - MISC. METALS** | SUPL. | RCV. | INSTL. | EXIS. | P & R | RELO. | REMARKS |
| BASE BUILDING STRUCTURAL STEEL | | | | ● | | | |
| STRUCTURAL STEEL AS REQUIRED FOR TENANT BUILD-OUT | GC | GC | GC | | | | |
| EXPANSION JOINTS | GC | GC | GC | | | | IF REQUIRED |
| **DIVISION 06000 - WOOD & PLASTICS** | SUPL. | RCV. | INSTL. | EXIS. | P & R | RELO. | REMARKS |
| BLOCKING (INCL. FOR FIXTURES, SHELVES, SIGNS) | GC | GC | GC | | | | FIRE RETARDANT WOOD AND OR METAL PER AUTHORITY JURISDICTION / LL |
| ROUGH CARPENTRY, FIRE RETARDANT LUMBER & PLYWD | GC | GC | GC | | | | |
| FLOOR PROTECTION | GC | GC | GC | | | | DURABLE PROTECTION REQUIRED. PROVIDE WALK-OFF MAT AT BOTH SIDE OF ENTRY POINT(S) OF CONSTRUCTION AREA |
| FINISH CARPENTRY | GC | GC | GC | | | | |
| FLOOR PREP | GC | GC | GC | | | | SEE SHEET A103, GENERAL NOTE '7' |
| **DIVISION 07000 - THERMAL & MOISTURE PROTECTION** | SUPL. | RCV. | INSTL. | EXIS. | P & R | RELO. | REMARKS |
| SEALANTS, INSULATION & FIRE CAULKING | GC | GC | GC | | | | SEE SPECIFICATIONS |
| THROUGH PENETRATIONS FIRE STOP | GC | GC | GC | | | | |
| BATT INSULATION AND/OR SOUND ATTENUATION | GC | GC | GC | | | | |
| WATERPROOF MEMBRANE (WM-101) | * | * | * | | | | *SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS. REFER TO S/A103 GENERAL WATERPROOFING NOTE. |
| MOISTURE TEST | GC | GC | GC | | | | SEE SHEET A103 FOR MORE INFORMATION |
| **DIVISION 08000 DOORS & WINDOWS** | SUPL. | RCV. | INSTL. | EXIS. | P & R | RELO. | REMARKS |
| DOORS, FRAMES, HARDWARE | * | GC | * | | | | *SEE DOOR SCHEDULE SHEET G010 |
| PANIC / SECURITY ALARM (TYPICALLY ON REAR EXIT DOOR) | GC | GC | GC | | | | SEE DOOR SCHEDULE SHEET G010 |
| ALL DOOR LOCK CORES AND KEYS | T | GC | GC | | | | |
| ACCESS DOORS AND FRAMES | GC | GC | GC | | | | |
| SECURITY GRILLE / SHUTTERS | GC | GC | GC | | | | USE VENDOR QMI - SEE G001 FOR CONTACT INFO. GC TO ENSURE IN WORKING ORDER, AND PERFORM ANY REPAIRS NECESSARY |
| EXTERIOR & INTERIOR METAL STOREFRONT CLADDING | GC | GC | GC | | | | |
| DIRECT TO METAL (DTM) STOREFRONT PAINT | GC | GC | GC | | | | |
| STOREFRONT ALUMINUM FRAME OR CHANNELS | GC | GC | GC | | | | N/A |
| STOREFRONT GLAZING (G-01) | GC | GC | GC | | | | N/A |
| STOREFRONT SWINGING DOORS AND HARDWARE | GC | GC | GC | | | | N/A |
| SECURITY FILM (GP-02) | GC | GC | GC | | | | N/A |
| GLAZING FILM - LIFESTYLE GRAPHIC (GF-5) | * | * | * | | | | N/A |
| FROSTED FILM (GF-6) | * | * | * | | | | N/A |
| MIRRORS (MIR-02 & MIR-03) | * | * | * | | | | *SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS |
| RIOT GLASS (GP-01) | * | * | * | | | | N/A |
| **DIVISION 09000 - FINISHES** | SUPL. | RCV. | INSTL. | EXIS. | P & R | RELO. | REMARKS |
| DEMISING PARTITIONS (STUDS & INSULATION) | | | | ● | | | SEE PLANS FOR SCOPE OF WORK. |
| DEMISING PARTITIONS (GYPSUM WALLBOARD) | GC | GC | GC | ● | GC. | | SEE PLANS FOR SCOPE OF WORK. |
| DRYWALL: CEILING, WALLS, ENCLOSURES & REQ'D FRAMING | GC | GC | GC | | | | PER USG AESTHETIC ASSEMBLIES, ALL DRYWALL (INCL. EXISTING TO REMAIN), WALLS TO RECEIVE "LEVEL 4" FINISH & CEILING "LEVEL 5" |
| ACOUSTICAL CEILING TILES & GRID (AC-8) | * | * | * | | | | *SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS. |
| PAINTING, FINISHING, VARNISH, SEALER, ETC. | GC | GC | GC | | | | |
| TRANSITIONS | * | * | * | | | | *SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS |
| CARPETING | * | * | * | | | | *SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS. GC MUST INSTALL FLOOR PER FLOORING MFG SPECIFICATIONS. |
| FLOOR TILE | * | * | * | | | | *SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS. GC MUST INSTALL FLOOR PER FLOORING MFG SPECIFICATIONS. |
| GROUT AND THINSET FOR TILE & ACCESSORIES | GC | GC | GC | | | | *SEE SHEET A103 GENERAL NOTE 'K' FOR GROUT TOLERANCE |
| WALK-OFF MAT (MAT-2) | * | * | * | | | | N/A |
| WALL BASE | * | * | * | | | | *SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS |
| FIBERGLASS REINFORCED PANELS (FRP-2) | * | * | * | | | | *SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS |
| VINYL FLOOR TILE | * | * | * | | | | *SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS. |
| CAULK / PAINTABLE CAULK | GC | GC | GC | | | | |
| WALL COVERING (WC-190 & WC-191) | * | * | * | | | | *SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS. |
| **DIVISION 10000 - SPECIALTIES** | SUPL. | RCV. | INSTL. | EXIS. | P & R | RELO. | REMARKS |
| RETAIL WALL SIGNAGE | T | T | T | | | | G.C. TO COORDINATE SIGN INSTALLATION. GC RESPONSIBLE FOR ANY PRE-CONSTRUCTION REQUIRED FOR SIGN INSTALLATION. |
| GRAPHIC HOLDER | T | GC | GC | | | | SEE FIXTURE PLAN FOR MORE INFORMATION |
| GRAPHICS | T | GC | T | | | | SEE FIXTURE PLAN FOR MORE INFORMATION |
| ACCESSIBILITY SIGNAGE (LC09-GR32-###) | T | GC | GC | | | | SEE FIXTURE PLAN FOR MORE INFORMATION |
| SHELVES & SURFACE MTD. STANDARDS | GC | GC | GC | | | | |
| FIRE EXTINGUISHERS (F.E. AND F.E. CABINETS) | GC | GC | GC | | | | SUGGESTED QUANTITIES & LOCATION ON PLAN - FIRE MARSHALL TO DETERMINE FINAL QUANTITY & LOCATIONS. |
| STOREFRONT SIGNAGE | T | T | T/GC | | | | G.C. TO COORD. INSTALLATION. GC RESPONSIBLE FOR ANY PRE-CONSTRUCTION REQ'D FOR INSTALLATION, INCLUDING BLOCKING |
| AWNINGS | T | T | T | | | | N/A |
| RESTROOM ACCESSORIES & HARDWARE | * | * | * | | | | * SEE SHEET A210 FOR G.C. VS TENANT SUPPLIED ITEMS |
| LOCKERS (LKR) | T | GC | GC | | | | |
| LED PANELS & ACCESSORIES | T | GC | T | | | | GC TO PROVIDE SECURE AREA FOR STORAGE. GC TO DISPOSE OF PACKAGING FOLLOWING VENDOR UNPACKAGEING. |
| LIGHTBOX (LB##) | T | GC | GC | | | | GC TO INSTALL PER MFG. SPECIFICATIONS. |
| DISPLAY MONITORS (DIG-#####) | T | GC | T | | | | N/A |
| DRAWING TUBE | GC | GC | GC | | | | LOCATED ON PHONE BOARD |
| **DIVISION 12000 - FURNISHINGS** | SUPL. | RCV. | INSTL. | EXIS. | P & R | RELO. | REMARKS |
| MILLWORK (RETAIL) | T | GC | GC | | | | |
| MILLWORK (O.D.) | T | GC | GC | | | | |
| MILLWORK (LAB) | T | GC | GC | | | | |
| MILLWORK (EMPLOYEE AREA) | T/GC | GC | GC | | | | SEE SHEET A100 FOR GC PROVIDED FURNITURE |
| PORTAL(S) (090##-00) | T | GC | GC | | | | REFER TO SCHEDULE ON G010 AND DETAILS ON A410 |
| OD EQUIPMENT | T | T | T | | | | G.C. TO COORDINATE TIMING FOR SCHEDULING |
| POS EQUIPMENT | T | GC | T | | | | G.C. TO COORDINATE TIMING FOR SCHEDULING |
| LAB EQUIPMENT | T | T | T | | | | G.C. TO COORDINATE TIMING FOR SCHEDULING |
| MERCHANDISE PROPS | T | GC | T | | | | GC TO ACCEPT, UNLOAD, CHECK IN, UNWRAP & SET ALL PROPS NEATLY ON SHELVES. DISPOSE OF ALL TRASH. |
| FURNITURE (CHAIRS, BENCHES, TABLES, ETC.) | T | GC | GC | | | | G.C. TO ASSEMBLE |
| STAPLES ACCESSORIES | T | GC | GC | | | | LOCATION NOT SHOWN ON PLANS, COORDINATE PLACEMENT WITH ESSILOR LUXOTTICA PM |
| DOCTOR'S CERTIFICATES / LICENSE FRAMES | T | GC | GC | | | | |
| REFRIGERATOR & MICROWAVE | T | GC | GC | | | | |
| SAFE | T | GC | GC | | | | G.C. TO BOLT TO FLOOR PER MANUFACTURER |

1-LC09-G002-REV07

# 2 MECHANICAL, ELECTRICAL, PLUMBING, RESPONSIBILITY SCHEDULE

SEE RELATED SHEETS PER TRADE

2-LC09-G002-REV00

# 3 ACCESSIBILITY NOTES

1. THIS PROJECT WILL COMPLY WITH ALL FEDERAL REQUIREMENTS UNDER ADAAG 4.1.3 - 2010 ADA STANDARDS.
2. ALL DOORS LEADING TO REQUIRED ACCESSIBLE ROOMS AND SPACES SHALL HAVE CLEAR OPENING OF 32" WIDE, HAVE LEVER OPERATED HARDWARE (OR EQUAL), HAVE A MIN. OPENING FORCE OF 5 LBF.
3. ALL NEW OR ALTERED ENVIRONMENTAL CONTROL AND OPERATING MECHANISMS WILL COMPLY WITH ICC A117.1 SECTION 309 (OPERABLE PARTS BETWEEN 34" AND 48" A.F.F. WITH A 10" MAX OBSTRUCTION IN FRONT OF IT.)
4. ACCESSIBLE AUDIBLE AND VISIBLE ALARMS AND NOTIFICATION APPLIANCES SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 LISTED IN SECTION 105.2.2. BE POWERED BY A COMMERCIAL LIGHT AND POWER SOURCE, BE PERMANENTLY CONNECTED TO THE WIRING OF THE PREMISES ELECTRIC SYSTEM, AND BE PERMANENTLY INSTALLED.
5. EVERY EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, OR SPECIAL KNOWLEDGE OR EFFORT. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE.
6. EXIT DOORS (INCLUDING EXISTING DOORS) SHALL NOT BE LESS THAN 36" IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. PROJECTIONS INCLUDING PANIC HARDWARE, SHALL NOT REDUCE THE OPENINGS TO LESS THAN 32" IN CLEAR WIDTH.
7. HEIGHT OF THRESHOLDS AT EXIT DOORS SHALL BE 1/2" MAXIMUM.
8. CARPET PILE HEIGHT SHALL BE 1/2" MAXIMUM.
9. AISLES LEADING TO REQUIRED EXITS SHALL HAVE A MINIMUM WIDTH OF 44".
10. GLASS DOORS, ADJACENT PANELS, AND ALL GLAZED OPENINGS WITHIN 24" OF ADJACENT FLOORS SHALL BE TEMPERED GLASS.

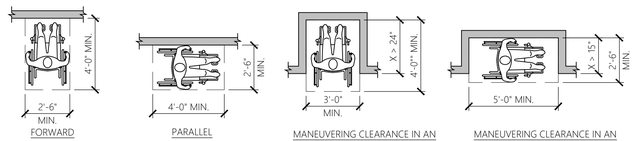
3-LC09-G002-REV02

# 4 ABBREVIATIONS

| | | | | | |
|---|---|---|---|---|---|
| ADA | AMERICANS WITH DISABILITIES ACT | FIN. | FINISH | O.C. | ON CENTER |
| ADJ. | ADJACENT | FLR. | FLOOR | PL. | PLASTIC |
| A.F.F. | ABOVE FINISHED FLOOR | G.C. | GENERAL CONTRACTOR | RM. | ROOM |
| CLG. | CEILING | GWB | GYPSUM WALLBOARD | R.O. | ROUGH OPENING |
| C.J. | CONTROL JOINT | H.M. | HOLLOW METAL | S.C. | SOLID CORE |
| COL. | COLUMN | HT. | HEIGHT | SHLV | SHELVES |
| CONC. | CONCRETE | HVAC | HEATING/VENT./AIR CONDITIONING | SIM. | SIMILAR |
| CONT. | CONTINUOUS | INT. | INTERIOR | STL. | STEEL |
| DIM. | DIMENSION | LAM. | LAMINATE | STRL. | STRUCTURAL |
| DWG. | DRAWING | LOC. | LOCATION | TME | TO MATCH EXISTING |
| EA. | EACH | MEP | MECHANICAL ELECTRICAL PLUMBING | T.O.W. | TOP OF WALL |
| ELEC. | ELECTRIC | MECH. | MECHANICAL | TYP. | TYPICAL |
| EQ. | EQUAL | MTL. | METAL | U.L. | UNDERWRITERS LABORATORIES |
| EQUIP. | EQUIPMENT | MISC. | MISCELLANEOUS | U.N.O. | UNLESS NOTED OTHERWISE |
| ETR | EXISTING TO REMAIN | MOD. | MODIFY | VIF | VERIFY IN FIELD |
| EXT'G. | EXISTING | N.I.C. | NOT IN CONTRACT | VERT | VERTICAL |
| F.E. | FIRE EXTINGUISHER | N.T.S. | NOT TO SCALE | W/ | WITH |
| | | NO. | NUMBER | WD | WOOD |

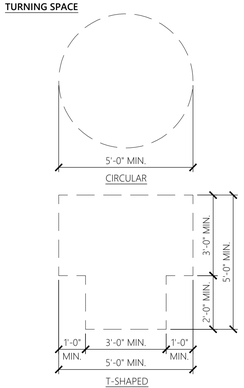
4-LC09-G002-REV05

# 5 ACCESSIBILITY DETAILS




**WHEELCHAIR CLEAR FLOOR SPACE**

**TURNING SPACE**

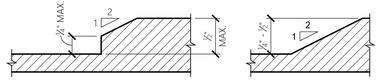



**ICC 117.1 - SECTION 303 NOTES**

**303.1 GENERAL** - CHANGES IN LEVEL IN FLOOR SURFACES SHALL COMPLY WITH SECTION 303.
**303.2 VERTICAL** - CHANGES IN LEVEL OF ¼" MAXIMUM IN HEIGHT SHALL BE PERMITTED TO BE VERTICAL.
**303.3 BEVELED** - CHANGES IN LEVEL GREATER THAN ¼" IN HEIGHT AND NOT MORE THAN ½" MAXIMUM IN HEIGHT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.
**303.4 RAMP** - CHANGES IN LEVEL GREATER THAN ½" IN HEIGHT SHALL BE RAMPED AND SHALL COMPLY WITH SECTION 405 & 406.




CARPET ON FLOOR SURFACES




BEVELED CHANGES IN LEVEL

**CHANGES IN LEVEL**

**304.1 GENERAL** - A TURNING SPACE SHALL COMPLY WITH SECTION 304.
**304.2 FLOOR SURFACE** - FLOOR SURFACES OF A TURNING SPACE SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SECTION 302.
**304.3 SIZE** - TURNING SPACES SHALL COMPLY WITH SECTION 304.3.1 OR 304.3.2.
**304.3.1 CIRCULAR SPACE** - THE TURNING SPACE SHALL BE A CIRCULAR SPACE WITH A 60" MINIMUM DIAMETER. THE TURNING SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306.
**304.3.2 T-SHAPED SPACE** - THE TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60" MINIMUM SQUARE, WITH ARMS AND BASE 36" MINIMUM IN WIDTH. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12" MINIMUM IN EACH DIRECTION, AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24" MINIMUM. THE TURNING SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

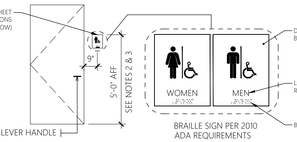
5-LC09-G002-REV02

# 6 SYMBOLS

| SYMBOL | DESCRIPTION |
|---|---|
| ELEVATION NO. (TYP.) / SHEET NO. | 4 WAY ELEVATION |
| SECTION NO. / SHEET NO. | SECTION |
| ELEVATION NO. (TYP.) / SHEET NO. (TYP.) | WALL SECTION OR ELEVATION |
| DETAIL NO. / SHEET NO. | DETAIL |
| A / 1 — LETTERS "O" & "I" NOT TO BE USED | BUILDING GRID LINES |
| T / T102 — MATERIAL (REFER TO SCHEDULE) / FINISH (REFER TO SCHEDULE) | FINISH |
| ROOM NUMBER | |
| DOOR | |
| WALL TYPE | |
| KEY NOTE | |
| REVISION | |

6-LC09-G002-REV00

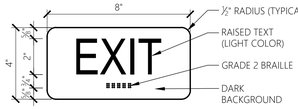
# 7 ACCESSIBILITY SIGNAGE




TYPICAL ADA MOUNTING LOCATION

NOTES, ICC A117.1 – SECTION 703 SIGNS:

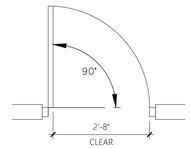
1. ALL SIGNAGE SHALL CONFORM WITH ADA ACCESSIBILITY GUIDELINES, INCLUDING BUT NOT LIMITED TO PROPORTION, COLOR CONTRAST AND RELIEF AND GRADE 2 BRAILLE REQUIREMENTS.
2. INSTALL WALL-MOUNTED SIGNS 48 INCHES MINIMUM ABOVE THE FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE TO THE HIGHEST TACTILE CHARACTER.
3. 703.3.11 LOCATION: THE SIGN SHALL BE ALONGSIDE THE DOOR AT THE LATCH SIDE. AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT HANDED DOOR. WHERE THESE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL. SIGNS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE AREA 18" x 18" MIN, CENTERED ON THE RAISED CHARACTERS IS PROVIDED BEYOND THE ARCH OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. EXCEPTION: SIGNS CONTAINING RAISED CHARACTERS AND BRAILLE SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

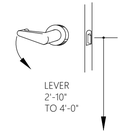



NOTE: IBC - 1013.4 RAISED CHARACTER AND BRAILLE EXIT SIGNS:
A SIGN STATING 'EXIT' IN VISUAL CHARACTERS, RAISED CHARACTERS AND BRAILLE AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN EXIT STAIRWAY OR RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.

7-LC09-G002-REV02

# 8 DOOR/HARDWARE DETAIL




DOORS ENTRANCES.
ALL PRIMARY ENTRANCES TO BUILDINGS AND FACILITIES ARE REQUIRED TO BE MADE ACCESSIBLE. A PRIMARY ENTRANCE IS DEFINED AS, "...ANY ENTRANCE TO A FACILITY WHICH HAS A SUBSTANTIAL FLOW OF PEDESTRIANS TO ANY SPECIFIC MAJOR FUNCTION OF THE FACILITY." REVOLVING DOORS CAN NOT BE USED AS A REQUIRED ENTRANCE FOR THE HANDICAPPED. RECESSED DOORMATS ARE REQUIRED TO BE ANCHORED TO PREVENT INTERFERENCE WITH WHEELCHAIR TRAFFIC.

DOOR WIDTHS AND HEIGHTS.
REQUIRED EXIT DOORWAYS ARE REQUIRED TO HAVE A CLEAR OPENING NOT LESS THAN 32 INCHES WIDE. FOR HINGED DOORS, THE OPENING IS MEASURED WITH THE DOOR AT A 90 DEGREE ANGLE FROM ITS CLOSED POSITION. AT LEAST ONE OF A PAIR OF DOORS, INCLUDING AUTOMATIC DOORS, HAS TO PROVIDE THE 32 INCH CLEAR OPENING. DOOR HEIGHTS ARE REQUIRED TO BE A MINIMUM OF 80 INCHES.

HARDWARE.
HAND ACTIVATED DOOR OPENING HARDWARE IS REQUIRED TO BE CENTERED BETWEEN 34 AND 48 INCHES HIGH. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL HAVE TO BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS ARE REQUIRED TO OPERATE AT DESCRIBED ABOVE IN THE DIRECTION OF EGRESS.

CLOSERS.
THE MAXIMUM EFFORT TO OPERATE DOORS CANNOT EXCEED 8.5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS. REQUIRED FIRE DOORS MAY REQUIRED UP TO 15 POUNDS PRESSURE. THE PRESSURE IS TO BE MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE REQUIREMENTS. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES (75 mm) FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.

THRESHOLDS.
THRESHOLDS ARE REQUIRED TO BE NO MORE THAN 1/2 INCH HIGH. BEVEL OR SLOPE THE EXPOSED EDGE AT AN ANGLE NOT EXCEEDING 45 DEGREES SO THAT NO SINGLE VERTICAL CHANGE OF ELEVATION EXCEEDS 1/4" INCH.

1. EXIT DOORS, TOILET ROOM AND CHANGING ROOM DOOR TO BE OPERABLE FROM INSIDE WITHOUT SPECIAL KNOWLEDGE, FORCE OR NEED OF KEY.
2. SEE SPECIFICATION SHEET FOR RESPONSIBILITIES.
3. ALL HARDWARE TO BE LEVER TYPE.

ENTRANCE SIGNS.
ALL BUILDINGS ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY HANDICAPPED PERSONS SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.

8-LC09-G002-REV00

DESIGN & CONSTRUCTION MANAGEMENT:


**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


**Seal**

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name: RESPONSIBILITY SCHEDULE & TYPICAL INFO

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.: G002

# SPECIFICATIONS (1 OF 3)

DIVISION 01000 - GENERAL REQUIREMENTS
01000 GENERAL NOTES
PART 1 - GENERAL
A. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE COMPLIMENTARY. SPECIFIC INFORMATION MAY BE FOUND IN EITHER OR BOTH.
B. BIDDING CONTRACTORS SHALL INCLUDE ALL LABOR, MATERIALS, SCAFFOLDING, CRANES, EQUIPMENT FASTENERS ETC. NECESSARY FOR COMPLETION AND FINAL COMPLETE TURNOVER OF AN OPERATIONAL RETAIL FACILITY.
C. THE TENANT HAS INDICATED AN INTENTION TO USE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A-107 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" AS PART OF THE CONTRACT DOCUMENTS FOR THIS WORK.
D. ALL PERSONS INTENDING TO PROVIDE GOODS OR SERVICES IN CONNECTION w/THE WORK ARE ADVISED TO READ AND UNDERSTAND THE APPLICABLE ADA DOCUMENTS PRIOR TO PROCEEDING.
E. THE TENANT HAS AWARDED SEPARATE CONTRACTS FOR SOME CONSTRUCTION WORK THAT WILL BE CONDUCTED SIMULTANEOUSLY WITH WORK UNDER THIS CONTRACT. GENERAL CONTRACTOR MUST COOPERATE WITH ALL OTHER CONTRACTORS SO THAT WORK UNDER THOSE CONTRACTS MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH, OR DELAYING WORK UNDER THIS CONTRACT.
F. PRIOR TO START OF CONSTRUCTION, GENERAL CONTRACTOR SHALL ARRANGE A MEETING WITH LANDLORD'S CONSTRUCTION REPRESENTATIVE TO REVIEW AND ESTABLISH ALL LANDLORD REQUIREMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: ALL CONSTRUCTION, SCHEDULES, WORKMAN PARKING, DELIVERY AND STORAGE OF MATERIALS, SAFETY PROTECTION, TRASH REMOVAL, SECURITY, AND DOCUMENTS REQUIRED FOR FINAL LANDLORD SIGN-OFFS. GENERAL CONTRACTOR IS TO NOTIFY TENANT'S CONSTRUCTION MANAGER IMMEDIATELY OF ANY ITEM THAT MAY AFFECT THE DESIGN INTENT OF THE DRAWINGS, OR RESULT.
G. ANY ITEMS DIRECTED BY LANDLORD, INSPECTORS, OR ANY OTHER AUTHORITY THAT AFFECTS THE DESIGN INTENT OF THE DRAWINGS, OR RESULTS IN ADDITIONAL COSTS OR SCHEDULE DELAYS SHOULD NOT BE PERFORMED UNTIL RECEIPT OF APPROVAL BY THE ARCHITECT AND TENANT'S CONSTRUCTION MANAGER. ALL CHANGES MUST IMMEDIATELY BE SUBMITTED IN WRITING TO THE ARCHITECT AND TENANT'S CONSTRUCTION MANAGER FOR REVIEW. SUBMISSION SHALL INCLUDE A GENERAL DESCRIPTION OF THE WORK REQUESTED, SIGNED BY THE REQUESTING AUTHORITY. IN ADDITION, SUBMISSION MUST INCLUDE A LABOR AND MATERIAL COST BREAKDOWN AND THE IMPACT TO THE CONSTRUCTION SCHEDULE.

01005 CONTRACTORS USE OF THE PREMISES.
PART 1 - GENERAL
A. THE GENERAL CONTRACTOR AND ALL CONTRACTORS BIDDING ON THIS PROJECT SHALL VISIT THE JOB SITE TO FAMILIARIZE THEMSELVES WITH ACTUAL JOB CONDITIONS AND TO CHECK FOR ANY INTERFERENCE BETWEEN THEIR WORK AND THAT OF OTHER TRADES AND/OR APPARENT VIOLATIONS OF LOCAL, STATE, OR FEDERAL CODES, LAWS, ORDINANCES, AND REGULATIONS BEFORE ENTERING INTO A CONTRACT WITH EITHER THE GENERAL CONTRACTOR AND/OR TENANT. IT IS MANDATORY FOR THE GC TO INSPECT THE SPACE PRIOR TO BIDDING.
   1. ALL ITEMS SHALL BE INCLUDED IN THE BASE BID TO ACHIEVE THE FINAL PRODUCT INDICATED IN DRAWINGS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: CONCRETE FLOOR PREP, FLOOR SLAB X-RAYING, DEMISING WALL GYPSUM BOARD EXTENT AND CONDITION, REQUIRED FIRE PROOFING, ELECTRICAL PANELS, ELECTRICAL, WATER, SEWER, VENTS AND TELEPHONE CONDUITS, ANY LANDLORD REQUIRED FIRE PROTECTION SYSTEM OR TIE-INS TO BLDG. MANAGEMENT SYSTEMS, FIRE EXTINGUISHERS, AND STRUCTURAL REQUIREMENTS FOR TENANT'S EQUIPMENT.
   2. GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT AND TENANT IN WRITING BEFORE ENTERING INTO A CONTRACT WITH THE TENANT IF ANY INTERFERENCE OR VIOLATIONS APPEAR AND DEPARTURE FROM THE DESIGN INTENT OF THE DOCUMENTS IS REQUIRED.
   3. FAILURE TO PROVIDE ARCHITECT AND TENANT'S CONSTRUCTION MANAGER WITH THE AFOREMENTIONED NOTIFICATION SHALL RESULT IN THE GENERAL CONTRACTOR BEING HELD RESPONSIBLE TO COMPLETE ALL WORK REQUIRED TO MEET THE DESIGN INTENT OF THE CONTRACT DOCUMENTS AT HIS/HER OWN COSTS WITH NO ADDITIONAL EXPENSES (EXTRAS) BEING INCURRED BY THE TENANT. EXTRAS WILL NOT BE ALLOWED FOR JOB SITE CONDITIONS THAT WERE READILY VISIBLE OR DETERMINED.
   4. ALL SUB TRADES SHALL COORDINATE THEIR WORK WITH THE WORK OF OTHERS OR WITH EXISTING CONDITIONS OCCURRING ABOVE OR BELOW THE LEASED PREMISES AND SHALL MAKE CHANGES FROM TIME TO TIME AS REQUESTED TO ACCOMMODATE SUCH WORK OR CONDITIONS AT NO CHARGE TO TENANT.
   5. CONTRACTORS SIGNS OR SIGNS OF ANY KIND MAY NOT BE DISPLAYED ON BARRICADES
   6. THE G.C. SHALL BUILD ON SITE A TEMPORARY LOCKABLE STORAGE AREA. G.C. SHALL ACCEPT ALL TENANT SUPPLIED ITEMS AND STORE THEM SAFELY IN SUCH SPACE.

A. LAYOUT OF WORK
   1. IMMEDIATELY AFTER DEMOLITION, GENERAL CONTRACTOR TO ADVISE TENANT OF ANY DISCREPANCIES IN OVERALL WIDTH, LENGTH, AVAILABLE CEILING HEIGHTS, COLUMN LOCATIONS, STOREFRONT, UTILITY LOCATIONS, ETC.
   2. EXERCISE PROPER PRECAUTION TO VERIFY ALL EXISTING CONDITIONS AND LAYOUT OF CONTRACTOR TO NOTIFY TENANT OF ANY DISCREPANCIES IMMEDIATELY. CONTRACTOR IS RESPONSIBLE FOR ANY ERROR RESULTING FROM FAILURE TO EXERCISE SUCH PRECAUTION. SUCH ERROR WILL NOT BE CONSIDERED SUBSEQUENTLY AS A BASIS FOR EXTRA COMPENSATION.
   3. GENERAL CONTRACTOR IS TO LAYOUT WORK AND BE RESPONSIBLE FOR ALL LINES, MEASUREMENTS OF THE BUILDING, UTILITIES, AND OTHER WORK EXECUTED UNDER THE CONTRACT.
   4. SHOULD A CONTRACTOR FIND DISCREPANCIES IN, OR OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS, OR SHOULD HE BE IN DOUBT AS TO THEIR MEANING, HE SHALL AT ONCE NOTIFY THE ARCHITECT AND TENANT.
B. CODES AND STANDARDS
   1. ALL WORK, MATERIALS, AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL ORDINANCES, STATE AND LOCAL BUILDING CODES, LATEST EDITION. SEE TITLE SHEET FOR SPECIFIC EDITIONS.
   2. DESIGN LOADS: LOADS AND CODE RESTRICTIONS FOR ALL DESIGN CONSIDERATIONS SHALL CONFORM TO THE LOCAL AND STATE CODES AND ALL GOVERNING CODES.
C. TRASH REMOVAL
   1. ALL TRADES SHALL CONFINE CONSTRUCTION WORK TO WITHIN LEASED PREMISES AS MUCH AS POSSIBLE AND SHALL WORK IN AN ORDERLY MANNER REMOVING TRASH AND DEBRIS FROM PROJECT ON A DAILY BASIS INCLUDING TRASH AND DEBRIS GENERATED BY TENANT SUPPLIED AND/OR INSTALLED ITEMS. AT NO TIME WILL PIPES, WIRES, BOARD, OR OTHER CONSTRUCTION MATERIALS CROSS PUBLIC AREAS WHERE HARM COULD BE CAUSED TO THE PUBLIC.
   2. MALL DOORS ARE NOT TO BE PROPPED OPEN BY CONSTRUCTION WORKERS AT ANY TIME.
   3. THERE WILL BE NO STORAGE OF MATERIAL OR RUBBISH IN CORRIDORS OR OTHER LANDLORD AREAS AT ANY TIME. IF DEBRIS IS FOUND IN THIS AREA, IT WILL BE REMOVED AT THE EXPENSE OF THE GENERAL CONTRACTOR.
   4. ALL SUB TRADES SHALL COORDINATE REMOVAL OF DEBRIS AND GARBAGE GENERATED BY THEIR TRADES WITH THE G.C.
   5. THE G.C. SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL DEBRIS INCLUDING PACKAGING MATERIAL OF MILLWORK.
D. ROOF CUTTING AND PATCHING
   1. CUTTING AND PATCHING FOR ALL ROOF OPENINGS SHALL BE PERFORMED BY LANDLORDS ROOFING CONTRACTOR, IF SO REQUIRED BY THE LANDLORD, ENGAGED AND PAID BY GENERAL CONTRACTOR.
   2. THE LANDLORDS ROOFING CONTRACTOR WILL, AT SUBTRADES WRITTEN REQUEST AND COST, PROVIDE THE OPENINGS, ANCHORING DEVISES, CURBS, FLASHINGS, PATCHING, ETC., AS REQUIRED FOR TENANTS EQUIPMENT SO AS TO MAINTAIN THE INTEGRITY AND GUARANTEE OF THE ROOF. ALL SUBTRADES SHALL INCLUDE THE COST OF SUCH OPENINGS, ETC. IN THEIR PROPOSALS TO TO THE GENERAL CONTRACTOR DURING BIDDING. SUBTRADES SHALL COORDINATE WITH THE LANDLORD AND/OR ROOFING CONTRACTOR AND ALSO REIMBURSE HIM FOR SAME.
   3. ROOF REPAIRS OR PENETRATIONS REQUIRED BY REMOVAL OR RELOCATION OF EXISTING EQUIPMENT OR INSTALLATION OF NEW EQUIPMENT (CUTTING OF ROOF AND DECK MATERIAL AND/OR REPAIR OF THE SAME) SHALL BE COORDINATED WITH THE LANDLORD'S REPRESENTATIVE.
E. DELIVERIES
   1. GENERAL CONTRACTOR IS RESPONSIBLE FOR UNLOADING ALL TENANT PROVIDED ITEMS AT THE JOB SITE INCLUDING A HEAVY AMOUNT OF MILLWORK WHICH IS TENANT SUPPLIED. THESE TENANT SUPPLIED ITEMS SHALL BE THE G.C.'S RESPONSIBILITY TO UNLOAD, STORE, AND DELIVER TO PROPER STORE AREAS WHEN REQUIRED. SEE TITLE SHEET, "GENERAL NOTES", FOR ADDITIONAL NOTES, PROCEDURES, AND RESPONSIBILITIES.
   2. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE ACCEPTABLE HOURS FOR DELIVERY AND LOCATION OF DELIVERY OF BUILDING PRODUCTS AND TENANTS ITEMS WITH LANDLORD'S REPRESENTATIVE.

01041 PROJECT COORDINATION
PART 1 - GENERAL
A. ALL PROJECT COORDINATION SHALL BE THROUGH TENANT'S CONSTRUCTION MANAGER AS LISTED ON TITLE SHEET.
B. COMPLY WITH CONSTRUCTION MANAGER'S PROCEDURES FOR INTRA-PROJECT COMMUNICATIONS; SUBMITTALS, REPORTS AND RECORDS, SCHEDULES, COORDINATION DRAWINGS, RECOMMENDATIONS; AND RESOLUTION OF AMBIGUITIES AND CONFLICTS, INCLUDING REQUESTS FOR SUBSTITUTIONS AND CHANGE ORDERS.

01200 PRICE, PAYMENT, AND CONTRACT
PART 1 - GENERAL
A. BIDDING CONTRACTORS SHALL PREPARE A BID, WHICH SHALL BE SUBMITTED IN ACCORDANCE WITH INSTRUCTIONS TO BIDDERS CONTAINED WITHIN BID DOCUMENT PACKAGE.
B. PAYMENT SCHEDULE FOR PROJECT WILL BE ON A MONTHLY SUBMITTAL OF AIA DOCUMENT #G702 AND #G703 "APPLICATION AND CERTIFICATE FOR PAYMENT" UNLESS OTHERWISE REQUESTED BY TENANT.
C. CONTRACT SHALL BE AIA DOCUMENT #A107 "STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR".

01400 QUALITY/GUARANTEE
PART 1 - GENERAL
A. ALL WORK SHALL BE EXECUTED BY LICENSED TRADESMEN AND MECHANICS QUALIFIED, THROUGH EXPERIENCE, IN THEIR RESPECTIVE TRADES. SAID CONTRACTORS SHALL REMOVE AND REPLACE WITHOUT DELAY ANY WORK CONTRARY TO THE CONTRACT DOCUMENTS WHEN SPECIFICALLY DIRECTED.
B. GENERAL CONTRACTOR AND/OR SUB CONTRACTOR SHALL GUARANTEE HIS WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER.

01426 PROCEDURES
PART 1 - GENERAL
A. ALL ITEMS SHALL BE INSTALLED USING STANDARD PROFESSIONAL PRACTICES USING FASTENERS, ADHESIVES AND METHODS REQUIRED BY MANUFACTURER AND INDUSTRY MANUALS.

01510 TEMPORARY UTILITIES
PART 1 - GENERAL
A. GENERAL CONTRACTOR TO VERIFY PROVISIONS FOR TEMPORARY UTILITIES INCLUDING ELECTRICITY, LIGHTING, HEAT, VENTILATION, TELEPHONE SERVICE, WATER AND SANITARY FACILITIES. G.C. TO INCLUDE A FULL TIME PHONE AND FAX ON SITE CAPABLE OF INCOMING CALLS DURING ENTIRE CONSTRUCTION PERIOD.

01542 CRANES AND HOISTS
PART 1 - GENERAL
A. GENERAL CONTRACTOR AND/OR SUB-CONTRACTOR ARE RESPONSIBLE AND SHALL INCLUDE IN THEIR BIDS ALL NECESSARY EQUIPMENT INCLUDING CRANES, HOISTS, SCAFFOLDING, PLATFORMS, ETC., REQUIRED FOR ERECTION OF BUILDING COMPONENTS, EQUIPMENT AND ALL TENANT SUPPLIED ITEMS AS LOCATED ON PLANS. CONTRACTOR SHALL PAY ALL RELATED FEES, PERMITS, ETC. PROTECTION OF THE PUBLIC AND EXISTING IN-PLACE WORK IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

01700 CLEANING / ADJUSTING / MAINTENANCE / WARRANTIES
PART 1 - GENERAL
A. FINAL CLEANING
   1. CONDUCT CLEANING AND REMOVE WASTE AND SURPLUS MATERIALS, RUBBISH AND CONSTRUCTION DEBRIS FROM SITE TO COMPLY WITH LOCAL LAW, ORDINANCE FEDERAL AND ENVIRONMENTAL AND ANTIPOLLUTION REGULATIONS.
   2. PROVIDE A PROFESSIONAL CLEANING SERVICE TO EXECUTE FINAL CLEANING PRIOR TO TURN-OVER.
   3. CLEAN EXPOSED EXTERIOR AND INTERIOR HARD-SURFACED FINISHED TO A DIRTY-FREE CONDITION,FREE OF STAIN, FILMS, AND SIMILAR FOREIGN SUBSTANCES.
   4. REPLACE AIR FILTERS.
   5. LEAVE PROJECT CLEAN AND READY FOR OCCUPANCY.
B. ADJUSTING
   1. ADJUST OPERATING PRODUCTS AND EQUIPMENT TO ENSURE SMOOTH AND UNHINDERED OPERATION.
C. OPERATION AND MAINTENANCE DATA
   1. SUBMIT DATA BOUND IN 8-1/2x11 INCH TEXT PAGES, THREE D SIDE RING BINDER WITH DURABLE PLASTIC COVERS.
   2. PREPARE BINDER COVER WITH PRINTED TITLE "OPERATION AND MAINTENANCE INSTRUCTIONS", WITH TITLE OF PROJECT, LOCATION AND DATE. THE HARD COPY BINDER SHOULD BE RETAINED ON SITE FOR STORE MANAGER'S USE, A COPY SHOULD ALSO BE SENT TO THE CONSTRUCTION PROJECT MANAGER VIA EMAIL AS A FILE COPY.
D. WARRANTIES AND BONDS
1. 1. EXECUTE AND ASSEMBLE TRANSFERABLE WARRANTY DOCUMENTS FROM SUBCONTRACTORS, SUPPLIERS, AND MANUFACTURERS.

END OF DIVISION

DIVISION 02000 - SITE WORK
02060 BUILDING DEMOLITION
PART 1 - GENERAL
A. SELECTIVE DEMOLITION
   1. THIS SECTION IS INCLUDED FOR GENERAL REFERENCE OF WORK TO BE REMOVED BY THE GENERAL CONTRACTOR.
   2. CONSULT DEMOLITION PLANS INCLUDED WITH PROJECT DOCUMENTS FOR ADDITIONAL NOTES AND SITE SPECIFIC ITEMS.
   3. DEMOLITION INCLUDES REMOVAL OF THE EXISTING INTERIORS, IF REQUIRED, BUT NOT LIMITED TO INTERIOR PARTITIONS, CABINETS, SUSPENDED CEILING TILE, ELECTRICAL, MECHANICAL, ETC., AS REQUIRED, AS SHOWN OR AS DIRECTED.
   4. ALL ITEMS INDICATED OR REQUIRED TO BE DEMOLISHED OR REMOVED TO BE LEGALLY DISPOSED OF IN COORDINATION AND COMPLIANCE WITH ALL LANDLORD PROCEDURES AND REGULATIONS.
   5. **GC TO COMPLY WITH ANY DEBRIS,/TRASH SEPARATION REQUIREMENTS IN PLACE WITH LL. JURISDICTIONS, OR PROJECT REQUIREMENTS FOR CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL.**
   6. ALL ITEMS INDICATED TO BE RELOCATED OR REINSTALLED TO BE CLEANED, SERVICED AND PREPARED FOR PROPER RE-USE. ANY ITEMS STORED DURING CONSTRUCTION ARE TO BE PROTECTED TO AVOID DAMAGE OR THEFT
   7. ALL ITEMS INDICATED AS EXISTING TO REMAIN , SHALL BE CLEANED, SERVICED AND PREPARED FOR PROPER CONTINUED RE-USE. PROTECT ALL ITEMS SUFFICIENTLY DURING CONSTRUCTION TO AVOID DAMAGE OR THEFT.
   8. COOPERATE AND COORDINATE WITH LANDLORD, THE TENANTS OF THE ADJACENT SPACES AND THE TENANT, IN SCHEDULING WORK IN ORDER TO CAUSE THE LEAST INCONVENIENCE TO PERSONNEL AND PROPERTY.
   9. SEE MECHANICAL AND ELECTRICAL PLANS FOR SPECIFIC DEMOLITION ITEMS UNDER THOSE TRADES.

PART 2 - PREPARATION / EXECUTION
A. ARRANGE WITH THE LANDLORD A CONVENIENT TIME TO PERFORM DEMOLITION WORK AND INSTALL TEMPORARY PROTECTED MEANS OF EGRESS FROM REQUIRED EXITS. INCLUDE TEMPORARY LIGHTING AND SAFETY DEVICES, ALL IN ACCORDANCE WITH GOVERNING STATE AND LOCAL CODES AND LAND-LORD REQUIREMENTS.
B. THE CONTRACTOR SHALL REMOVE, REPAIR, RESTORE, AND REPLACE WHERE ANY SUCH WORK IS NECESSARY OR AS INDICATED ON THE DRAWINGS. CUT ALL NECESSARY OPENINGS, AND PATCH/REPAIR/SEAL SAME TO DEGREE NECESSARY TO SATISFY ALL REQUIREMENTS. INSOFAR AS POSSIBLE, ALL PROTRUSIONS, MARKS, CRACKS OR OTHER EVIDENCE OF A DEFICIENT OR DAMAGED CONDITION SHALL BE ELIMINATED, UNLESS SPECIFICALLY NOTED OTHERWISE. ANY PARTS WHICH ARE SPLIT, CRACKED, CHIPPED, SPALLED, BROKEN, MISSING, OR OUT OF LINE OR ADJUSTMENT, MECHANICALLY OR STRUCTURALLY UNSAFE OR UNSOUND, BENT, TORN OR OTHERWISE DEFICIENT OR INJURED IN ANY MANNER, SHALL BE REMOVED, REPLACED, RESTORED OR REPAIRED. LANDLORD'S REPRESENTATIVE, ARCHITECT, AND TENANT'S CONSTRUCTION MANAGER MUST BE NOTIFIED IMMEDIATELY OF ANY STRUCTURAL OR SAFETY DEFECTS, AND ONLY THE TENANT'S CONSTRUCTION MANAGER IF THE DEFECT(S) ARE LIMITED TO COSMETIC FINISHES.
C. EXERCISE EXTREME CARE DURING DEMOLITION SO AS NOT TO DAMAGE OR DISRUPT ANY UTILITY OR SPRINKLER LINES WHICH MIGHT PASS THROUGH THIS SPACE TO SERVICE OTHER MALL SPACES OR TENANTS. GENERAL CONTRACTOR WILL BEAR SOLE RESPONSIBILITY OF ANY SUCH DISRUPTION OR DAMAGE.
D. ALL ABANDONED ELECTRICAL AND TELEPHONE CONDUIT, PLUMBING LINES, DRAIN LINES, AND ALL MECHANICAL ITEMS SHALL BE CAPPED AT SOURCE AND REMOVED IN A MANNER TO MEET ALL LANDLORD AND CODE REQUIREMENTS, UNLESS DIRECTED OTHERWISE.

E. GENERAL CONTRACTOR RESPONSIBILITIES
   1. GENERAL CONTRACTOR IS TO NOTIFY TENANT IMMEDIATELY OF ANY SEVERE DISCREPANCIES OR IRREGULARITIES DISCOVERED DURING DEMOLITION WHICH MIGHT AFFECT THE CURRENT STORE DESIGN. GENERAL CONTRACTOR IS TO PAY SPECIAL ATTENTION TO AVAILABLE HEIGHT FOR INTENDED CEILING ELEVATION, MECHANICAL DUCTWORK AND RECESSED LIGHTING.
   2. GENERAL CONTRACTOR IS TO ERECT CONSTRUCTION BARRICADES AND DEBRIS/DUCT SCREENS PER LANDLORD'S SPECIFICATIONS. CONTACT LANDLORD'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ALL DEMOLITION WORK.
   3. GENERAL CONTRACTOR IS RESPONSIBLE FOR PATCHING, REPAIRING AND LEVELING OF THE EXISTING FLOOR SLAB, REPAIR OF DEMISING WALLS AND ROOF DECK AFTER COMPLETION OF ALL DEMOLITION AND PRIOR TO THE COMMENCEMENT OF NEW CONSTRUCTION.COORDINATE WITH LANDLORD RESPONSIBILITY IN PERFORMING ANY AND ALL ROOF WORK.

DIVISION 03000 - CONCRETE

03300 CAST-IN-PLACE CONCRETE
PART 1 - GENERAL
A. PROVIDE AND INSTALL CONCRETE AS INDICATED ON THE DRAWINGS.
B. CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF "AMERICAN CONCRETE INSTITUTE" CODES AND STANDARDS INCLUDING ACI 301, ACI 315, AND ACI 318.
C. CONCRETE STRENGTHS ARE AS FOLLOWS: CLASS 1 3000 PSI INTERIOR SLABS (OR MIN.REQUIRED PER LANDLORD SPECIFICATIONS.)
D. REINFORCEMENT (PER LANDLORD REQUIREMENTS)
E. BONDING AGENT (IF REQUIRED)
   1. "SONOBOND" EPOXY CONCRETE BONDING AGENT OR EQUAL
A.
      a. MANUFACTURER: CHEMTREX, INC.
         889 VALLEY PARK DRIVE
         SHAKOPEE, MINNESOTA 55379-1854
   2. CONSULT MANUFACTURER FOR APPLICATION PROCEDURE ASTM C881
F. VAPOR BARRIER
   1. SLAB ON GRADES TO RECEIVE 6 MIL. CLEAR OR BLACK POLYETHYLENE FILM WITH MINIMUMOF 12" OVERLAP. TAPE ALL SEAMS.

PART 2 - PREPARATION / EXECUTION
A. CONCRETE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR STRENGTH, CONSISTENCY PROPORTIONS AND HANDLING OF CONCRETE.
B. VERIFY THAT COMPACTED GRANULAR BASE IS IN PLACE AND READY TO SUPPORT PAVING AND IMPOSED LOADS.
C. VERIFY GRADIENT AND ELEVATIONS OF BASE ARE CORRECT. THICKNESS AND REINFORCING AS SHOWN ON DRAWINGS.
D. IMMEDIATELY AFTER PLACEMENT, PROTECT PAVEMENT FROM MECHANICAL INJURY.
E. DEPOSIT CONCRETE WITHIN ANY ONE SECTION CONTINUOUSLY SO THAT NO CONCRETE WILL BE PLACED ON OLDER CONCRETE WHICH HAS SET SUFFICIENTLY TO RESULT IN SEAMS AND PLANES OF WEAKNESS WITHIN SECTION.
F. PLACE SLABS FOR FULL THICKNESS IN ONE OPERATION, WITHOUT CHANGES IN PROPERTIES; SCREED TO PROPER ELEVATION; FLOAT AND LIGHTLY TROWEL. UNLESS OTHERWISE SPECIFIED, WHEN CONCRETE HAS SET SUFFICIENTLY TO RING UNDER TROWEL, GIVE SLAB SECOND TROWELING TO PRODUCE SMOOTH, DENSE SURFACE. DUSTING OF SURFACES WITH CEMENT IS PROHIBITED.
G. SUBGRADE MATERIAL USED: REMOVAL OF ALL ORGANIC MATERIAL. COMPACT SUB GRADE FOR SLABS ON GRADE TO 95 CRUSHED GRAVEL SUB-BASE AT ALL AREAS TO RECEIVE NEW CONCRETE. MIN. 6" OF MATERIAL. RE-COMPACTION OF 95% OPTIMUM DENSITY.
H. FINISHES
   1. GIVE TYPICAL INTERIOR FLOOR SLABS A STEEL TROWEL FINISH WITH CLASS A TOLERANCE (TRUE PLANES WITHIN 1/8 IN 10 FT. AS DETERMINED BY A 10 FOOT STRAIGHTEDGE PLACED ANYWHERE ON SLAB IN ANY DIRECTION).
I. PROVIDE SAW CUT CONTROL JOINTS 1/8" WIDTH x 1" DEEP AT MAXIMUM 400 SQUARE FOOT AREA.
J. APPLY BONDING AGENT (AS SPECIFIED) TO ADJACENT CONCRETE SURFACES IMMEDIATELY PRIOR TO PLACEMENT OF CONCRETE.

03732 CONCRETE REPAIR
PART 1 - GENERAL
A. THE EXTENT OF CONCRETE REPAIR WORK INCLUDES REMAINING FLOOR AREAS AFTER DEMOLITION PROVIDING A LEVEL FLOOR THROUGHOUT TO RECEIVE FUTURE FINISHES, AFTER DEMOLITION.
B. COMPLY WITH MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ITEMS AND FINISHES BY OTHER TRADES, INCLUDING THOSE ITEMS AND FINISHES PROVIDED AND/OR INSTALLED BY TENANT.
C. FLOOR LEVELER CONCRETE TO BE INSTALLED AT LOW AREAS, HOLES AND DEPRESSIONS. PATCH CRACKS AND BROKEN CONCRETE WITH FLOOR PATCH TROWELED SMOOTH IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND LANDLORD SPECIFICATIONS. UNDERLAYMENT COMPOUND TO BE FREE FLOWING, SELF-LEVELING, PUMPABLE, AND CEMENT-BASED FOR APPLICATIONS FROM ONE INCH THICK TO FEATHERED EDGES.

PART 2 - PREPARATION / EXECUTION
A. CONCRETE REPAIR
   1. DO NOT PROCEED WITH WORK UNTIL VISITING THE SITE AND DETERMINING CONDITIONS TO DECIDE METHODS OF REPAIR. COORDINATE WITH TENANT'S CONSTRUCTION MANAGER.
   2. REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES WHERE INDICATED ON DEMOLITION PLAN.
   3. THOROUGHLY CLEAN FLOOR SLAB REMOVING CONDITIONS THAT WILL AFFECT BOND INCLUDING RESIDUE FROM REMOVAL OF ADHESIVES, UNDERLAYMENTS, STAINS, OILS, ETC.

   4. REMOVE HIGH FLOOR LEVELS AND LOOSE CONCRETE.
   5. ROUGH IN CONCRETE IN AREAS WHERE PATCHING IS REQUIRED, SUCH AS CRACKED, SPALLED, OR HOLES DUE TO REMOVAL OF EXISTING WORK.
   6. GRIND HIGH SPOTS.
   7. AT LOCATIONS OF CONSTRUCTION JOINTS IN EXISTING SLAB, CONTINUE JOINTS THROUGH NEW FLOOR IN LEVELING AREA. SAW CUT JOINT OR PLACE 1/16" WIDE METAL BAR IN THE JOINT LOCATION COINCIDENT WITH EXISTING.
   8. TRENCH ONLY AT SLAB ON GRADE. VERIFY AND GET APPROVAL OF TRENCH OR CORE LOCATIONS WITH THE LANDLORDS REPRESENTATIVE AND MALL STRUCTURE PRIOR TO COMPLETING ANY WORK. CORES TO BE SEALED WATERPROOF. SEE SECT. 07200 "INSULATION AND WATERPROOFING" FOR ADDITIONAL WATERPROOFING INFORMATION.
   9. CLEAN AREAS REMOVING ALL WASTE MATERIAL, BROOM CLEAN.

DIVISION 04000 - MASONRY
NO WORK UNDER THIS SECTION


DESIGN & CONSTRUCTION MANAGEMENT:
EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


STORE #518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


Architect / Engineer of Record
NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: 14

EssilorLuxottica Project Number 101399

Brand Design Type: LC09

ISSUED FOR:
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name: SPECIFICATIONS 1 OF 3

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.: G003

# SPECIFICATIONS (2 OF 3)

DIVISION 05000 - METALS

05120 STRUCTURAL STEEL

PART 1 - GENERAL

A. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR COMPLETE INSTALLATION OF STEEL FRAMING AND SUPPORT MEMBERS, ANGLES, PLATES, ANCHOR BOLTS REQUIRED FOR THE CONNECTION, SETTING AND BEARING OF COMPLETE STRUCTURE AS SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN.
B. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL SPECIFICATIONS / STANDARDS.
C. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE PROJECT IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS AND ADEQUACY OF TEMPORARY SUPPORT DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUY OR TIE DOWNS MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT AND SHALL REMAIN CONTRACTOR'S PROPERTY.
D. PROVIDE OPENINGS AND SPECIAL FRAMING REQUIRED BY OTHER TRADES. MECHANICAL FRAMING LOADS, OPENINGS, AND STRUCTURE RELATED TO MECHANICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN WRITTEN SIGN-OFF FROM MECHANICAL AND OTHER TRADES FOR SPECIFIC REQUIREMENTS BEFORE PROCEEDING WITH SUCH WORK. ARCHITECT'S OR ENGINEER'S APPROVAL OF ERECTION AND SHOP DRAWINGS SHALL NOT RELIEVE CONTRACTOR FROM THIS RESPONSIBILITY.
E. VERIFY THE EXACT SIZE AND LOCATION OF ALL OPENINGS PRIOR TO FABRICATION OF STEEL FRAMING MEMBERS.
F. SHOP DRAWINGS: SUBMIT STAMPED/SEAL SHOP DRAWINGS TO ARCHITECT INDICATING SHOP AND ERECTION DETAILS, INCLUDING CUTS, CONNECTIONS, HOLES, THREADED FASTENERS AND WELDS.
G. PRE-ASSEMBLE ITEMS IN SHOP TO GREATEST POSSIBLE EXTENT TO MINIMIZE FIELD SPLICING AND ASSEMBLY. DISASSEMBLE UNITS ONLY AS NECESSARY FOR SHIPPING AND HANDLING LIMITATIONS. CLEARLY MARK UNITS FOR RE-ASSEMBLY AND COORDINATE INSTALLATION.
H. WELDING PROCEDURES, WELDERS, WELDING OPERATIONS AND TACKERS SHALL BE QUALIFIED IN ACCORDANCE WITH AWS-D1.1- "STRUCTURAL WELDING CODE".
I. **"HOT WORK PERMIT" SHOULD BE PULLED AS NEEDED AND REQUIRED. HOT AND WELDING WORK, SHOULD BE EXECUTED PER LL. RULES AND REGULATIONS.**
J. FABRICATOR SHALL BE A MEMBER OF AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
K. FABRICATE STRUCTURAL STEEL IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE".
   1. UNLESS OTHERWISE SHOWN, FABRICATOR SHALL DESIGN / DETAIL CONNECTIONS IN CONFORMANCE WITH AISC STANDARD FOR FORCES AND MOMENTS SHOWN.
   2. WHERE FASTENING SPACINGS OR SIZES ARE NOT SHOWN, CONTRACTOR SHALL USE SPACINGS AND SIZES OF BOLTS, SCREWS, WELDS, ETC., WHICH WILL DEVELOP THE FULL STRENGTH OF THE MEMBERS BEING FASTENED. THUS FAILURE DUE TO OVER-STRESSING MUST OCCUR IN THE MEMBERS BEFORE OCCURRING IN THE FASTENINGS.

PART 2 - PREPARATION / EXECUTION

A. PRE-ASSEMBLE ITEMS IN SHOP TO GREATEST POSSIBLE EXTENT TO MINIMIZE FIELD SPLICING AND ASSEMBLY. DISASSEMBLE UNITS ONLY AS NECESSARY FOR SHIPPING AND HANDLING LIMITATIONS. CLEARLY MARK UNITS FOR RE-ASSEMBLY AND COORDINATE INSTALLATION.
B. SHOP CONNECTIONS SHALL BE WELDED.
C. FIELD CONNECTIONS: HIGH STRENGTH FASTENERS SHALL BE USED FOR BOLTED CONNECTIONS.
   1. STRUCTURAL STEEL FY 36 KSI STEEL, ASTM A36.
   2. STRUCTURAL STEEL TUBING: FY 46 KSI COLD-FORMED TUBING EXCEPT ROUND, ASTM A500-68, GRADE B.
   3. STEEL PIPE: ASTM A53, GRADE B.
   4. ANCHOR BOLT: CONFORM TO ASTM A307.
   5. WELDING ELECTRODES: ASTM A233, E-70 OR BETTER.
   6. HIGH STRENGTH THREADED FASTENERS: ASTM A325 OR A-490.
   7. METAL STUDS: SIZE ACCORDING TO CONSTRUCTION DOCUMENTS x 20 GAUGE STEEL AT 16" O.C. TRACKS TO BE ANCHORED BY MEDIUM POWER ACTUATED FASTENERS @ 24" O.C.
   8. EXTERIOR / INTERIOR METAL STUDS: SIZE ACCORDING TO CONSTRUCTION DOCUMENTS X 25 GAUGE AT 16" O.C..
   9. SHOP PAINT PRIMER: STANDARD PRIMER:
      a. SSPC PAINT 15
      b. TNEMEC 1009 GRAY METAL PRIMER
      c. MARTIN-SENOUR CO. #664 RED OXIDE ZINC CHROMATE PRIMER
      d. PRATT AND LAMBERT NOXIDE 107, ONE DAY PRIMER-GRAY.
      e. STEEL SHALL BE CLEAN AND FREE FROM OIL, DIRT, LOOSE MILL SCALE AND ANY OTHER SUBSTANCE THAT WOULD IMPAIR WELDING, PERFORMANCE OF FRICTION-TYPE BOLTED.

05400 METAL FRAMING

LIGHT GAUGE (COLD-FORMED) METAL FRAMING

PART 1 - GENERAL

A. FURNISH AND INSTALL A COMPLETE SYSTEM OF LIGHT GAUGE FRAMING MEMBERS FOR INTERIOR WALL PARTITIONS AND CEILING SUSPENSION COMPONENTS.
   9. SYSTEM TO INCLUDE ALL TOP AND BOTTOM RUNNERS, BRACES, CLIP ANGLES, ACCESSORIES, FASTENERS, ETC. FOR EACH TYPE OF FRAMING AS SHOWN ON DRAWINGS.
      a. INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.
B. QUALITY ASSURANCE - DESIGN AND ANALYSIS OF STRUCTURAL PROPERTIES SHALL COMPLY WITH AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STRUCTURAL STEEL MEMBERS".
C. MATERIALS:
   1. 18 GAUGE AND LIGHTER COMPONENTS: FABRICATE COMPONENTS OF COMMERCIAL QUALITY STEEL SHEET, ASTM A446 FOR GALVANIZED FINISH WITH A MINIMUM YIELD POINT OF 33,000 PSI.
   2. 16 GAUGE AND HEAVIER COMPONENTS: FABRICATE COMPONENTS OF STRUCTURAL QUALITY STEEL SHEET, ASTM A446 FOR GALVANIZED FINISH WITH A MINIMUM YIELD POINT OF 50,000 PSI.
   3. METAL STUDS: AISI "C" TYPE STRUCTURAL STUDS; SIZES, GAUGES AND SPACINGS SHOWN OR REQUIRED IF NOT SHOWN; WITH 1-5/8" (41MM) MINIMUM FLANGE WIDTH, 1/2" (13MM) MINIMUM RETURNS AND PRE-PUNCHED HOLES FOR UTILITY INSTALLATION.
      a. 18-22 GAUGE (0.05" / 1.2MM - 0.03" / 0.8MM): ASTM A446/A446M GRADE A; MINIMUM YIELD STRESS OF 33 KSI (228 MPA).
      b. 12-16 GAUGE (0.11"/2.7MM - 0.06"/1.5MM): ASTM A446/A446M GRADE A; MINIMUM YIELD STRESS OF 40 KSI (276 MPA).
   4. TRACK: ASTM A446/A446M GRADE A; MINIMUM YIELD STRESS OF 33 KSI (228 MPA); FORMED STEEL: CHANNEL SHAPED; SAME WIDTH AND GAUGE AS ADJACENT STUDS. EXCEPTION: TOP AND BOTTOM TRACK (RUNNERS) REQUIRING ATTACHMENT OF METAL PANELS SHALL BE MINIMUM 14 GAUGE (0.08"/1.9MM).
   5. FASTENINGS:
      a. MANUFACTURER'S RECOMMENDED SELF-DRILLING, SELF-TAPPING SCREWS, BOLTS, NUTS AND WASHERS. NON-CORROSIVE.
      b. ANCHORAGE DEVICES: POWER ACTUATED FASTENERS, DRILLED EXPANSION BOLTS, OR SCREW WITH SLEEVES.
      c. WELDING: COMPLY WITH AWS D1.1 "STRUCTURAL WELDING CODE".
A. MANUFACTURERS:
   1. MILCOR / DIVISION OF INRYCO, INC. BY BOSTWICK STEEL FRAMING, THE CECO ALLIED STRUCTURAL INDUSTRIES; DIETRICH INDUSTRIES OR EQUAL.

06100 WOOD BLOCKING AND CURBING

PART 1 - GENERAL

A. PROVIDE AND INSTALL WOOD FURRING, BLOCKING, GROUNDS AND IN-WALL BLOCKING FOR SUPPORT OF GRAB BARS, FIXTURES, EQUIPMENT, CASEWORK, HARDWARE, TRIM AND SIMILAR WORK.
   1. BLOCKING AND GROUNDS AT STOREFRONT GLAZING , LOCATIONS AT WEATHER AREAS, AND IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
   2. USE NON-COMBUSTIBLE FIRE RETARDANT TREATED (F.R.T.) WOOD ELSEWHERE AS REQUIRED AND APPROVED BY STATE AND LOCAL CODES, INCLUDING ANY WOOD STUDS, BLOCKING, FURRING, PLYWOOD, TRIM AND GROUNDS. NEW LUMBER TO BEAR GRADE AND TREATMENT OF ASSOCIATION UNDER WHICH IT WAS PRODUCED.
      a. PRESERVATIVE TREATMENT FOR WOOD SPECIFIED ELSEWHERE.
1) PERFORMANCE REQUIREMENTS:
   a. MOISTURE CONTENT: AFTER TREATMENT, THE MAXIMUM MOISTURE CONTENT OF WOOD MATERIALS SHALL NOT EXCEED THE FOLLOWING:
      i.a. LUMBER, 2 INCHES AND LESS IN THICKNESS: 19 PERCENT.
      i.b. PLYWOOD: 15 PERCENT
   b. FLAME SPREAD: FIRE RETARDANT TREATED MATERIALS TO HAVE FLAME SPREAD RATING OF 25 OR LESS IN A 30 MINUTE TEST WITH NO EVIDENCE OF SIGNIFICANT PROGRESSIVE COMBUSTION, ASTM E 84, ADDITIONALLY, FLAME FRONT NOT TO PROGRESS MORE THAN 10 1/2 FEET BEYOND CENTER LINE OF BURNER AT ANY TIME.
   c. SMOKE DEVELOPED: INTERIOR FINISH AND TRIM MATERIALS, WHERE SPECIFIED, TO HAVE FIRE RETARDANT TREATMENT CONFORMING TO ABOVE REQUIREMENTS FOR "FLAME SPREAD" PLUS SMOKE DEVELOPED RATING OF 25 OR LESS, ASTM E 84.
   d. CERTIFICATES: FURNISH AFFIDAVIT IF REQUIRED BY CODE OFFICIAL STATING THAT MATERIALS HAVE BEEN TREATED IN ACCORDANCE WITH SPECIFICATIONS AND THAT MOISTURE CONTENT, AFTER TREATMENT, DOES NOT EXCEED SPECIFIED LIMITS; INCLUDE CHEMICAL USED AND RETENTION OBTAINED FOR PRESSURE TREATED MATERIAL. INCLUDE THE "QUALITY MARK" OF ASSOCIATION HAVING JURISDICTION OVER THE TREATMENT. ALL CERTIFICATES TO BE COPIED TO ESSILOR LUXOTTICA PROJECT MANAGER.
   e. DELIVER TREATED MATERIALS BUNDLED AND MARKED TO IDENTIFY TREATMENT.
   f. STORE TREATED MATERIALS FOR EASY IDENTIFICATION AND PROTECT FROM MOISTURE; PROVIDE WELL VENTILATED DRY STORAGE.
   g. HANDLE TREATED MATERIALS IN ACCORDANCE WITH AWPA STANDARDS. IN ADDITION TO USED IN TREATMENT, FURNISH ADDITIONAL MATERIAL FOR FIELD TREATMENT \ MATERIAL OF CUTS.
   h. FIELD CUTS AND HOLES: FIELD-TREAT IN ACCORDANCE WITH AWPA M-4.

TELEPHONE AND ELECTRICAL PANEL BACK BOARDS.

PART 2 - PREPARATION / EXECUTION

A. SET MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION.
B. INSTALL TELEPHONE AND ELECTRICAL PANEL BACK BOARDS WITH PLYWOOD SHEATHING MATERIAL WHERE REQUIRED. SIZE THE BACK BOARD BY 12 INCHES BEYOND SIZE OF ELECTRICAL PANEL.
C. BACKBOARD TO BE PAINTED MATCH ADJACENT WALL FINISHES.

06210 MILLWORK AND FINISH CARPENTRY

PART 1 - GENERAL

A. FURNISH AND INSTALL FINISHED TRIM, CABINETRY, COUNTERS, DOORS, AND ALL FINISH ITEMS SUCH AS LAMINATES AND FINISH DOOR HARDWARE, AS INDICATED AND DETAILED ON PLANS.
B. SEE DRAWINGS AND RESPONSIBILITY SCHEDULE FOR DETAILS, SIZES, DIMENSIONS.
C. FOLLOW AWI (ARCHITECTURAL WOODWORK INSTITUTE) ARCHITECTURAL WOODWORK QUALITY STANDARDS.

PART 2 - PREPARATION / EXECUTION

A. DO NOT DELIVER OR INSTALL ITEMS UNTIL BUILDING AND ROOMS RECEIVING SUCH ARE COMPLETED AND THOROUGHLY DRY AND FREE OF EXCESSIVE MOISTURE.
B. MILLWORK AND CABINETRY MAY BE SHOP OR FIELD ASSEMBLED AT CONTRACTORS OPTION.
C. INSTALL ITEMS IN A RIGID, STRAIGHT, PLUMB, LEVEL MANNER ACCURATELY FITTED AND SCRIBED TO ABUTTING SURFACES.
D. COUNTERSINK NAILS AND SCREW HEADS AND PATCH AND SAND SMOOTH.
E. CUTTING AND REPAIRING OF THIS WORK FOR ACCOMMODATION OF WORK BY OTHERS SHALL BE DONE AS PART OF MILLWORK RESPONSIBILITY.
F. FINISH WOODWORK SHALL BE DRESSED AND SANDED, FREE FROM MACHINE AND TOOL MARKS, ABRASIONS, RAISED GRAIN OR OTHER DEFECTS.
G. PROTECT FINISHED WORK UNTIL ACCEPTANCE, PROTECTION OF OWNERS COMPLETED MILLWORK SHALL BE RESPONSIBILITY OF GC.

06424 LAMINATES

PART 1 - GENERAL

A. INSTALL HIGH PRESSURE LAMINATES AS SPECIFIED IN FINISH SCHEDULE AND AS DETAILED IN DRAWINGS.

PART 2 - PREPARATION / EXECUTION

A. FOLLOW MANUFACTURERS GUIDELINES AND RECOMMENDATIONS FOR ADHESIVE AND SUBSTRATE PREPARATION.
B. SEE MILLWORK SECTION FOR TYPICAL NOTES AND REFERENCES.

END OF DIVISION

DIVISION 07000 - THERMAL AND MOISTURE PROTECTION

07200 INSULATION AND WATERPROOFING

PART 1 - GENERAL

A. FOR INSULATION REQUIRED AT DUCTWORK, PLUMBING LINES, ETC. SEE MEP SPECIFICATIONS AND DRAWINGS.
B. BATT INSULATION
   1. FURNISH AND INSTALL 3 1/2" MIN. THERMAL BATT TYPE INSULATION AT EXTERIOR WALLS OR AS SOUND ATTENUATION BLANKET WHERE SHOWN AND AS SPECIFIED ON DRAWINGS.
   2. EXTEND FROM FLOOR TIGHT TO ROOF DECK ABOVE.
   3. FURNISH AND INSTALL .004 MIL. VISQUEEN VAPOR BARRIER AT EXTERIOR WALLS ON WARM SIDE OF STUDS.
C. GENERAL CONTRACTOR TO PROVIDE AND INSTALL WATERPROOFING MEMBRANE OVER ENTIRE FLOOR OF REST ROOMS BELOW FINISH FLOORING AND UP WALL A MIN. 6". (ONLY WHERE REST ROOMS ARE LOCATED ABOVE ANOTHER FLOOR.) APPLY PER MANUFACTURERS INSTRUCTIONS AND CAULK AS REQ'D. TO MATCH ADJACENT FINISHES. FOLLOW LL REQUIREMENTS IN REGARD TO WATERPROOF MEMBRANES. GC IS RESPONSIBLE TO HAVE LL INSPECT AND APPROVED ALL SUCH INSTALLATIONS.
D. G.C. SHALL SLEEVE, FIRESTOP, FLASH AND CAULK ALL PENETRATIONS OF FLOORS SO THAT ODORS OR LIQUIDS WILL NOT PENETRATE THE SLAB AT THESE OPENINGS. SUCH SLEEVES SHALL BE INSTALLED ACCORDING TO THE LANDLORD STANDARD DETAILS

07900 JOINT SEALERS / CAULKING

PART 1 - GENERAL

A. PROVIDE AND INSTALL EXPANSION JOINT MATERIAL, SEALANTS AND JOINT BACKING FOR JOINTS BETWEEN DISSIMILAR MATERIALS.
   1. SILICONE SEALANTS (TYPE S): ASTM C920, SINGLE COMPONENT, NON-SAGGING, NON-STAINING, NON-BLEEDING; FOR USE AS GENERAL CAULKING. COLOR TO MATCH ADJACENT SURFACES. MANUFACTURER BY GE SILICONES OR EQUAL.2. JOINT BACKING: ROUND, OPEN CELL POLYETHYLENE FOAM ROD.

PART 2 - PREPARATION / EXECUTION

A. REMOVE LOOSE MATERIALS AND FOREIGN MATTER WHICH MIGHT IMPAIR ADHESION OF SEALANT.
B. CLEAN AND PRIME JOINTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
C. PROTECT ELEMENTS SURROUNDING THE WORK OF THIS SECTION FROM DAMAGE OR DISFIGURATION.
D. INSTALL SEALANT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
E. INSTALL JOINT BACKING.
F. APPLY SEALANT WITHIN RECOMMENDED APPLICATION TEMPERATURE RANGES. CONSULT MANUFACTURER WHEN SEALANT CANNOT BE APPLIED WITHIN THESE TEMPERATURE RANGES.

END OF DIVISION

DIVISION 08000 - DOORS AND WINDOWS

08100 HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

A. INSTALL ALL DOORS, FRAMES, HARDWARE AND RELATED PARTS AND MATERIALS AS INDICATED ON DRAWINGS AND RESPONSIBILITY SCHEDULE.
B. LABELED DOORS: WHERE REQUIRED, PROVIDE U.L. LABEL DOORS AND FRAMES PER APPLICABLE STATE AND LOCAL BUILDING CODES. SUCH TO RECEIVE LABELS ATTACHED STATING RATINGS.
C. FABRICATE AND ERECT TRUE, PLUMB AND SQUARE AS SPECIFIED AND AS DETAILED AND PER MANUFACTURER'S RECOMMENDATIONS.
D. INTERIOR HOLLOW METAL DOORS AND FRAMES FOR INSTALLATION AT DRYWALL AND METAL STUD PARTITIONS.
   1. DOORS - 1 3/4" THICK FLUSH MOUNTED "TYPE B" AS MANUFACTURED BY STEELCRAFT. SURFACES TO BE PHOSPHATIZED AND RECEIVE ONE COAT BAKED ON PRIMER READY TO RECEIVE PAINT.
      a. SEE DOOR SCHEDULE FOR REQUIRED HARDWARE.
      b. PROVIDE 8 GA. REINFORCEMENT AT HINGES, AND 14 GA. REINFORCEMENT AT LOCK AND CLOSERS.
   2. FRAMES - 2" FRONT FACE - 16 GA. HOLLOW METAL WITH CONTINUOUSLY WELDED CORNERS. SURFACES TO BE PHOSPHATIZED AND RECEIVE ONE COAT BAKED ON PRIMER READY TO RECEIVE PAINT.
      a. PROVIDE 8 GA. REINFORCEMENT AT HINGES AND 14 GA. REINFORCEMENT AT LOCK AND CLOSERS.
      b. INSTALL ADJUSTABLE JAMB ANCHOR 4" DOWN FROM HEAD AND WELDED-IN BASE ANCHOR AT EACH JAMB.

PART 2 - PREPARATION /EXECUTION

A. INSTALL FRAMES IN ACCORDANCE WITH SDI-100.
B. COORDINATE WITH WALL CONSTRUCTION FOR ANCHOR PLACEMENT.
C. COORDINATE INSTALLATION OF FRAMES WITH INSTALLATION OF DOORS AND HARDWARE AS SPECIFIED IN DOOR SCHEDULE AND ON DRAWINGS.

FOLLOW DOOR HARDWARE INSTITUTE (DHI) GUIDELINES.

08110 INSULATED STEEL DOORS

PART 1 - GENERAL

A. NON-RATED THERMALLY INSULATED STEEL DOORS AT EXTERIOR OPENINGS.
   1. DOORS THERMALLY INSULATED L-16 WITH POLYSTYRENE CORE (R=7.7); SDI-100 GRADE AS MANUFACTURED BY STEELCRAFT, CINCINNATI, OHIO, OR EQUAL. FRAMES TO BE PHOSPHATIZED AND RECEIVE ONE COAT BAKED ON PRIMER READY TO RECEIVE PAINT.
      a. SEE DOOR SCHEDULE FOR REQUIRED HARDWARE.
      b. PROVIDE 14 GA. REINFORCEMENT AT CLOSER AND LOCKS AND 8 GA. REINFORCEMENT AT HINGES.
   2. FRAME - 12 GA. COLD ROLLED STEEL, ARC WELDED AT CORNERS AND GROUND SMOOTH AS MANUFACTURED BY STEELCRAFT OR EQUAL. FRAMES TO BE PHOSPHATIZED AND RECEIVE ONE COAT BAKED ON PRIMER READY TO RECEIVE PAINT.
      a. PROVIDE 14 GA. REINFORCEMENT AT CLOSER AND LOCKS AND 8 GA. REINFORCEMENT AT HINGES.
      b. INSTALL MINIMUM THREE (3) JAMB ANCHORS AND BASE ANCHORS EACH SIDE.

PART 2 - PREPARATION / EXECUTION

A. INSTALL FRAMES IN ACCORDANCE WITH SDI-100.
B. COORDINATE WITH MASONRY WALL CONSTRUCTION FOR ANCHOR PLACEMENT.
C. COORDINATE INSTALLATION OF FRAMES WITH INSTALLATION OF HARDWARE SPECIFIED IN DOOR SCHEDULE. FOLLOW DOOR HARDWARE INSTITUTE (DHI) GUIDELINES.

08400 ALUMINUM ENTRANCES AND STOREFRONTS

PART 1 - GENERAL

A. THIS SECTION INCLUDES ALL ALUMINUM/GLASS DOORS, DOOR HARDWARE SPECIFICALLY SUPPLIED BY DOOR MANUFACTURER, EXTRUDED ALUMINUM GLAZING FRAMES COMPLETE WITH ACCESSORIES AND GLASS AS DETAILED ON THE DRAWINGS AND RESPONSIBILITY SCHEDULE.
   1. ALUMINUM/TEMPERED GLASS ENTRANCE DOORS. REFER TO STOREFRONT ELEVATIONS, DETAIL AND DOOR SCHEDULE FOR SPECIFICATION ABOUT MATERIAL, FINISH AND HARDWARE.
      a. HARDWARE - TO INSURE SINGLE SOURCE RESPONSIBILITY, THE FOLLOWING SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR HINGES - TOP PATCH AND BOTTOM PIVOTS CLOSERS - PUSH/PULLS - LOCKS - THRESHOLDS
      b. MANUFACTURERS: KAWNEER COMPANY, INC. , NORCROSS, GA UNITED STATES ALUMINUM CORP., ROCK HILL SC
      c. FINAL FINISHES MUST MATCH EXACTLY. COLORS TO BE AS SPECIFIED ON FINISH SCHEDULE.
B. ALUMINUM GLAZING FRAME.
   1. KAWNEER (SEE PARAGRAPH 3 OF THIS SECTION) TRIFAB II 451 SERIES, (MULLION, RAIL, POST AND BASE SIZES AS PER PLANS AND DETAILS) FOR INFILL WITH 1/2" CLEAR TEMPERED GLASS.
   2. PROVIDE AND INSTALL ALL INTERNAL SUPPORT FRAMING, RELATED FLASHINGS, ANCHORAGE AND ATTACHMENT DEVICES.
   3. MANUFACTURERS: KAWNEER COMPANY, INC., NORCROSS, GA UNITED STATES ALUMINUM CORP., ROCK HILL, SC
   4. FINAL FINISH MUST MATCH EXACTLY COLORS AS SPECIFIED ON FINISH SCHEDULE, IF EXACT COLOR IS NOT AVAILABLE THROUGH MANUFACTURER PAINT CONTRACTOR SHALL FIELD PAINT.
C. GLAZING
   1. EXTERIOR - CLEAR MONOLITHIC GLASS AT LEAST 1/2" CLEAR INSULATED. OR AS REQUIRED BY DRAWINGS, AND COMPLY WITH CRITERIA OF LOCAL CODE AND AUTHORITIES HAVING JURISDICTION

PART 2 - PREPARATION / EXECUTION

A. VERIFY DIMENSIONS, TOLERANCES AND ATTACHMENTS AND SHIMS TO PERMIT SUFFICIENT ADJUSTMENTS TO ACCOMMODATE IRREGULARITIES.
B. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.
C. ALL JOINTS BETWEEN FRAMING AND BUILDING STRUCTURE SHALL BE SEALED TO PROVIDE WATERTIGHT INSTALLATION.
D. INSTALL SEALANT AND BACKING MATERIALS AT PERIMETER OF FRAME.

08710 DOOR HARDWARE

PART 1 - GENERAL

A. FURNISH AND INSTALL FINISH HARDWARE FOR INTERIOR AND EXTERIOR DOORS, ROLLING GRILLES AND WINDOWS.
B. SEE DOOR SCHEDULE FOR SPECIFIC ITEMS, MANUFACTURERS AND MODEL NUMBERS.
C. FOLLOW DHI (DOOR AND HARDWARE INSTITUTE) STANDARDS AND GUIDELINES AND AWI (AMERICAN WOODWORKING INSTITUTE) STANDARDS FOR HARDWARE INSTALLED ON WOOD DOORS.
D. FIRE RATED HARDWARE SHALL FOLLOW GUIDELINES AS ESTABLISHED BY:
   1. NFPA 80 - FIRE DOORS AND WINDOWS.
   2. NFPA 101 - LIFE SAFETY CODE.
   3. NFPA 252 - FIRE TESTS OF DOOR ASSEMBLIES.
   4. UL 10B - SAFETY FIRE TESTS OF DOOR ASSEMBLIES.
   5. UL 305 - SAFETY PANIC HARDWARE.
E. FURNISH OWNER WITH MAINTENANCE DATA, MAINTENANCE PROCEDURES, MANUFACTURERS WARRANTIES AND SPECIAL TOOLS.
F. FINISHES: AS NOTED ON PLANS AND SCHEDULES.
G. KEYING
   1. GENERAL CONTRACTOR TO COORDINATE KEYING AND MASTER KEYING WITH CONSTRUCTION MANAGER.
   2. GENERAL CONTRACTOR TO INSTALL CONSTRUCTION CORES DURING CONSTRUCTION AND REPLACE WITH PERMANENT AT END OF JOB PRIOR TO TURN-OVER.
H. SEE SECTION ON ALUMINUM ENTRANCES FOR HARDWARE SPECIFIC TO THOSE DOORS

PART 2 - PREPARATION / EXECUTION

A. COORDINATE THE WORK WITH OTHER DIRECTLY AFFECTED SECTIONS INVOLVING MANUFACTURE OR FABRICATION OF INTERNAL REINFORCEMENT FOR DOOR HARDWARE AND RECESSED ITEMS.
B. VERIFY THAT DOORS AND FRAMES ARE READY TO RECEIVE WORK AND DIMENSIONS ARE AS INDICATED.
C. INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
D. USE TEMPLATES PROVIDED BY HARDWARE ITEM MANUFACTURER.
E. ADJUST HARDWARE FOR SMOOTH OPERATION.

08800 GLAZING

PART 1 - GENERAL

A. FURNISH AND INSTALL A COMPLETE SYSTEM OF GLASS, GLAZING CHANNELS, SEALANT, SETTING BLOCKS AND ACCESSORIES AS SHOWN AND DETAILED ON THE DRAWINGS AND RESPONSIBILITY SCHEDULE.
B. SEE PLANS AND ELEVATIONS FOR SIZE AND NUMBER OF PANES.
C. FOLLOW RECOMMENDATIONS FOR INSTALLATION CONTAINED IN THE FGMA (FLOAT GLASS MANUFACTURERS ASSOCIATION) GLAZING AND SEALANT MANUALS AS WELL AS SIGMA (SEALED INSULATED GLASS MANUFACTURE. ASSOCIATION) FOR INSULATED GLASS.
D. IT IS THE GLAZING CONTRACTORS SOLE RESPONSIBILITY TO VERIFY THAT THE GLASS IS SIZED TO WITHSTAND DEAD LOADS, POSITIVE AND NEGATIVE LIVE LOADS, ACTING NORMAL TO PLANE OF GLASS AS CALCULATED IN ACCORDANCE WITH LOCAL AND STATE CODES.
E. MATERIAL FOR INTERIOR STOREFRONT GLASS:
   1. CLEAR GLASS - ASTM C1048, FT-FULLY TEMP., QUALITY-q3 GLAZING SELECT.
   2. THICKNESS AS SHOWN ON PLAN.
   3. EACH INDIVIDUAL PANE TO RECEIVE TEMPERED STAMP INDICATING SUCH.
F. MATERIAL FOR EXTERIOR STOREFRONT IN METAL GLAZING SYSTEM.
   1. INSULATED GLASS UNITS - LOW E - TYPE SG-B - ASTM E774 AND E773 DOUBLE PANE WITH GLASS ELASTOMER EDGE SEAL; OUTER PANE OF CLEAR GLASS, INNER PANE OF LOW E CLEAR GLASS ON CLEAR COLOR GLASS.
      a. PROVIDE TEMPERED GLASS UNITS WHERE INDICATED ON PLAN OR AS REQUIRED BY JURISDICTIONAL CODES.

PART 2 - PREPARATION / EXECUTION

A. VERIFY THAT OPENINGS FOR GLAZING ARE CORRECTLY SIZED AND WITHIN TOLERANCE.
B. VERIFY THAT SURFACES OF GLAZING CHANNELS OR RECESSES ARE CLEAN, FREE OF OBSTRUCTIONS THAT MAY IMPEDE MOISTURE MOVEMENT, WEEPS ARE CLEAR, AND READY TO RECEIVE GLAZING.
C. CUT GLASS PANES TO ACCURATE SIZES ALLOWING FOR EDGE CLEARANCES AND TOLERANCES.
D. INSTALL SEALANTS RECOMMENDED BY MANUFACTURER WHICH ARE COMPATIBLE WITH MATERIALS THEY WILL BE IN CONTACT WITH.
E. REMOVE GLAZING MATERIALS FROM FINISH SURFACES.
F. REMOVE LABELS AFTER WORK IS COMPLETE. CLEAN GLASS AND ADJACENT SURFACES.


DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**

NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica


Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


**NORR**

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name: SPECIFICATIONS 2 OF 3

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.: G004

# SPECIFICATIONS (3 OF 3)

08835 MIRROR
PART 1 - GENERAL
A. FURNISH AND INSTALL CUSTOM FITTED MIRRORS INCLUDING MASTIC AND ATTACHMENT CLIPS AS SIZED AND DETAILED IN DRAWINGS AND RESPONSIBILITY SCHEDULE. REFER TO TOILET ROOM ACCESSORIES FOR TENANT-PROVIDED MIRRORS IN LAVATORY. VERIFY WITH TENANT'S PROJECT MANAGER.
B. CONSULT NAMM (NATIONAL ASSOCIATION OF MIRROR MANUFACTURING) FOR TIPS FOR CARE AND HANDLING OF MIRRORS.
C. PRODUCT:
1. CLEAR FLOAT TYPE WITH COPPER/SILVER COATING. UNLESS NOTED OTHERWISE, ALL EDGES SHALL BE POLISHED.
D. MIRROR ADHESIVE: CHEMICALLY COMPATIBLE WITH MIRROR COATING AND WALL SUBSTRATE.

PART 2 - PREPARATION / EXECUTION
A. VERIFY AREAS RECEIVING MIRRORS ARE WITHIN TOLERANCES AND ARE READY TO RECEIVE MATERIAL.
B. PLACE PLUMB AND LEVEL WITHOUT VISIBLE DISTORTION.
C. STORE, PROTECT, AND INSTALL MIRRORS IN ACCORDANCE WITH NAMM.

D. SET MIRRORS WITH EDGE CLEARANCE FREE OF SURROUNDING CONSTRUCTION INCLUDING COUNTERTOPS OR BACKSPLASHES.
E. REMOVE LABELS AFTER WORK IS COMPLETE.
F. CLEAN MIRRORS AND ADJACENT SURFACES.

END OF DIVISION

09120 CEILING SUSPENSION SYSTEMS
PART 1 - GENERAL
A. PROVIDE ACOUSTICAL PANEL CEILINGS WITH EXPOSED SUSPENSION GRID, AS SHOWN ON THE DRAWINGS.
B. SUSPENSION SYSTEM AND ACOUSTIC PANELS AS LISTED ON REFLECTED CEILING PLAN SHEET AND RESPONSIBILITY SCHEDULE.
C. REFER TO DRAWINGS FOR LOCATION OF SPECIFIED MATERIALS AND FINISHES. WHERE REQUIRED BY CODES, CEILING ASSEMBLIES ARE TO CONFORM WITH UNDERWRITERS LABORATORIES DESIGN FOR ONE HOUR FIRE RATED ASSEMBLIES.

PART 2 - PREPARATION / EXECUTION
A. AT TIME OF COMPLETION, DELIVER TWO PACKAGES OF ACOUSTICAL PANELS TO THE TENANT OF EACH TYPE OF MATERIAL USED, FOR FUTURE REPLACEMENT USE.
B. COMPLY WITH ASTM C 635 FOR INTERMEDIATE - DUTY CLASS SYSTEM. SIZE ATTACHMENT DEVICES FOR FIVE (5) TIMES DESIGN LOAD. HANGER WIRE SHALL BE GALVANIZED CARBON STEEL, ASTM A641, SOFT TEMPER, PRE-STRETCHED, 12 GA MINIMUM.
C. COMPLY WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND WITH GOVERNING REGULATIONS, FIRE-RESISTANCE RATING REQUIREMENT AND WITH INDUSTRY STANDARDS APPLICABLE TO THE WORK.
D. INSTALL SUSPENSION SYSTEM TO COMPLY WITH ASTM C 636, WITH HANGERS SUPPORTED ONLY FROM BUILDING STRUCTURAL MEMBERS. LOCATE HANGERS NOT LESS THAN 6" FROM EACH END AND SPACE 4'-0" ALONG EACH CARRYING CHANNEL OR DIRECT-HUNG RUNNER. SECURE WIRE HANGERS BY LOOPING AND WIRE TYING, EITHER DIRECTLY TO STRUCTURES OR TO INSERTS, EYE-SCREWS, OR OTHER DEVICES WHICH ARE SECURE AND APPROPRIATE FOR SUBSTRATE.
E. INSTALL EDGE MOLDINGS AT PERIMETER OF ACOUSTICAL CEILING AREA AND AT LOCATIONS WHERE NECESSARY TO CONCEAL EDGES OF ACOUSTICAL UNITS.
F. INSTALL ACOUSTICAL PANELS IN COORDINATION WITH SUSPENSION SYSTEM, WITH EDGES CONCEALED BY SUPPORT OF SUSPENSION ,MEMBERS, SCRIBE AND CUT PANELS TO FIT ACCURATELY AT BORDERS AND PENETRATIONS.
G. INSTALL HOLD-DOWN CLIPS IF REQUIRED BY CODE.
H. GWB CEILINGS AND SOFFITS TO BE GIVEN A FLAT AND SMOOTH FINISH TO ACCEPT PAINT FINISH. REFER TO SECTION 09250 "GYPSUM BOARD SYSTEMS".

09250 GYPSUM BOARD SYSTEMS
A. LEVEL 4 GYPSUM BOARD FINISH SPECIFICATION: ALL JOINTS AND INTERIOR ANGLES SHALL HAVE TAPE EMBEDDED IN JOINT COMPOUND. AFTER WIPING JOINTS WITH A JOINT KNIFE, LEAVING A THIN LAYER OF COMPOUND OVER ALL JOINTS, ADD TWO COATS OF JOINT COMPOUND OVER ALL FLAT JOINTS. AFTER WIPING INTERIOR ANGLES WITH A JOINT KNIFE, LEAVING A THIN LAYER OF COMPOUND, ADD ONE SEPARATE COAT OF JOINT COMPOUND OVER INTERIOR ANGLES. COVER FASTENER HEADS AND ACCESSORIES WITH THREE LAYERS OF JOINT COMPOUND. MAKE SURE THE SURFACE IS SMOOTH AND FREE OF TOOL MARKS. NOTE: IT IS RECOMMENDED THAT THE PREPARED SURFACE BE COATED WITH A DRYWALL PRIMER PRIOR TO THE APPLICATION OF FINISH PAINT.
B. LEVEL 5 GYPSUM BOARD FINISH SPECIFICATION: ALL JOINTS AND INTERIOR ANGLES SHALL HAVE TAPE EMBEDDED IN JOINT COMPOUND AND TWO SEPARATE COATS OF JOINT COMPOUND APPLIED OVER ALL FLAT JOINTS AND ONE SEPARATE COAT OF JOINT COMPOUND APPLIED OVER INTERIOR ANGLES. FASTENER HEADS AND ACCESSORIES SHALL BE COVERED WITH THREE SEPARATE COATS OF JOINT COMPOUND. A THIN SKIM COAT OF JOINT COMPOUND OR A MATERIAL MANUFACTURED ESPECIALLY FOR THIS PURPOSE, SHALL BE APPLIED TO THE ENTIRE SURFACE. THE SURFACE SHALL BE SMOOTH AND FREE OF TOOL MARKS AND RIDGES. NOTE: IT IS RECOMMENDED THAT THE PREPARED SURFACE BE COATED WITH A DRYWALL PRIMER PRIOR TO THE APPLICATION OF FINISH PAINT.

PART 1 - GENERAL
A. FURNISH AND INSTALL ALL GYPSUM DRYWALL AND SYSTEMS COMPLETE WITH PARTITION FRAMING, CEILING SUSPENSION SYSTEMS AND RELATED ACCESSORIES, PARTS, MATERIALS, ETC. AS SHOWN ON DRAWINGS AND AS SPECIFIED. INSTALL ALL MATERIALS PER MANUFACTURERS SPECIFICATIONS, RECOMMENDATIONS, AND IN COMPLY WITH ALL LOCAL CODES REQUIREMENTS .
B. GYPSUM DRYWALL: ALL GYPSUM BOARD TO BE 5/8" TYPE "X" AS NOTED ON NEW CONSTRUCTION PLAN. REST ROOMS TO RECEIVE MOISTURE RESISTANT GYPSUM BOARD.
C. FASTENERS: DRYWALL SCREWS OF PROPER SIZE AND TYPE PER MANUFACTURERS RECOMMENDATIONS.
D. PROVIDE MATERIALS, JOINT COMPOUNDS, TRIM, EDGES, BEADS, ETC. FROM A SINGLE SOURCE SUPPLIER. ALL TRIM SHALL CONSIST OF A TAPERED, GROOVED, AND PREPUNCHED FIN FOR SCREW ATTACHMENT AND TO ACCEPT BONDING AGENT. ALL BUTT JOINTS ARE TO BE NEAT WITH TIGHT JOINTS, AND ALL CORNERS ARE TO BE MITERED. ALL EDGES, BEADS AND TRIM TO BE PRE-FINISH ALUMINUM.
E. JOINT TREATMENT: U.S. GYPSUM OR GOLD BOND SYSTEM OF COMPOUNDS AND PERFORATED TAPE.
1. ERECT GWB IN A SINGLE LAYER WITH VERTICAL BUTT JOINT AND WITH ENDS AND EDGES OCCURRING OVER FIRM BEARING.
2. WALLS, CEILINGS AND SOFFITS, AND ALL TRANSITIONS IN SAME, SHALL BE GIVEN A SMOOTH FINISH.
3. CORNER BEADS SHALL BE APPLIED TO ALL EXTERNAL ANGLES IN STRICT ACCORDANCE WITH THE MANUFACTURERS DIRECTIONS. INSTALL CASING BEADS AT ALL EDGES OF DRYWALL WORK EXCEPT WHERE TERMINATION IS COVERED BY OTHER FINISH. CASING BEADS SHALL BE MITERED AT CORNERS AND INSTALLED NEATLY, FINISHED WITH COMPOUND. NO "CRIMP ON" METHOD TO ATTACHED CORNER BEADS SHALL BE USED.
4. JOINTS BETWEEN BOARDS SHALL BE REINFORCED WITH TAPE EXCEPT WHERE CONTROL JOINTS ARE REQUIRED. TAPE FIELD JOINTS, INTERIOR CORNER JOINTS AND WALL TO CEILING JOINTS. FILL JOINTS WITH JOINT FILLING COMPOUND AND EMBED TAPE THEREIN. COVER TAPE WITH BEDDING COMPOUND AND TAPER TO FEATHER EDGES. FILL SCREW HEAD DEPRESSIONS WITH JOINT FILLING COMPOUND AND FEATHER THE EDGES. ALLOW TO DRY.
1. COVER TAPED AND FILLED JOINTS AND FILLED SCREW HEAD DEPRESSIONS WITH TOPPING COMPOUND APPLIED IN THREE COATS. PERMITTING THE PREVIOUS COAT TO DRY PRIOR TO INSTALLING THE SUBSEQUENT COAT.
2. SAND JOINT AND SCREW HEAD AREAS LIGHTLY BETWEEN COATS AND AFTER THE FINAL COAT SO THAT A SMOOTH LEVEL SURFACE IS PRODUCED WITH THE PAPER SURFACE OF THE WALLBOARD FREE OF SCUFFING.
F. PATCH AND/OR REPAIR EXISTING DRYWALL TO REMAIN TO LIKE NEW CONDITION. LEVEL ANY UNEVEN OR ROUGH SPOTS AND FINISH SMOOTH. BULGES AND VISUAL DEPRESSIONS ARE NOT ACCEPTABLE.
G. INSTALL CEMENTITIOUS BACKER BOARD AT ALL AREAS TO RECEIVE TILE OR MARBLE, OR AS SHOWN ON DRAWINGS.
H. ACCESS PANELS:
1. G.C. SHALL PROVIDE AND INSTALL ACCESS PANELS AS REQUIRED BY LANDLORD AND SITE CONDITIONS (COORDINATE SIZE REQUIREMENTS, NUMBER OF PANELS REQUIRED AND LOCATIONS WITH LANDLORD AND ALL MECHANICAL TRADES).
2. ACCESS PANELS SHALL BE FLUSH TYPE (NO EXPOSED FLANGES) STYLE AS MANUFACTURED BY: INTEX FORMS INC. - GLASS FIBER (GFRG) FLUSH ACCESS PANEL.
PHONE NUMBER: 916-388-9933, EMAIL ADDRESS; SALES@INTERFORMS.COM
(SIZE AS REQUIRED)
3. PANELS TO BE FACTORY PRIMED (WHITE) READY TO RECEIVE FINAL FINISH PAINT BY G.C.

09300 TILE AND MARBLE
PART 1 - GENERAL
A. MARBLE/CERAMIC/QUARRY TILE: REFER TO FINISH AND RESPONSIBILITY SCHEDULE FOR SIZES, COLORS, AND MANUFACTURERS.
B. INSTALL GROUT AS RECOMMENDED BY THE TILE MANUFACTURER. COLOR OF WALL GROUT TO BE INDICATED ON THE FINISH SCHEDULE.
C. BASE, SADDLES, AND ACCESSORIES FROM MANUFACTURE (S) IN THE STYLES, COLORS, SIZES, AND THICKNESS SPECIFIED ON THE DRAWINGS.

PART 2 - PREPARATION / EXECUTION
REFER TO SECTION 03732 "CONCRETE REPAIR / PREPARATION". AND TO SECTION 07200 "INSULATION AND WATERPROOFING"

A. BEFORE SETTING ANY TILE, THE CONTRACTOR SHALL ASSURE HIMSELF THAT NO TILES WILL HAVE TO BE REMOVED AFTER INSTALLATION TO ACCOMMODATE THE WORK OF OTHER TRADES. ALL CUTTING, FITTING, DRILLING AND GRINDING OF THE WORK, WHERE NECESSARY IN RELATION TO THE WORK OF OTHER TRADES, SHALL BE PERFORMED SO THAT THE WORK WILL BE NEATLY AND ACCURATELY DONE AND CUT EDGES SHALL BE UNIFORM.
B. CONFORM TO REQUIREMENTS UNDER AMERICAN NATIONAL STANDARDS INSTITUTE ANSI A-137.1 FOR CERAMIC TILE MATERIAL AND ANSI A-108 FOR INSTALLATION.
C. INSTALL PER LANDLORD'S SPECIFICATIONS, WHERE APPLICABLE.
D. LAY OUT TILE PATTERN WITH THE STARTING POINT AS INDICATED ON "FINISH PLAN AND SCHEDULE" PAGE, WITH EVEN JOINT ON ALL FLOOR AND WALL SURFACES.
E. CUT AND DRILL TILE AS REQUIRED WITHOUT MARRING TILE, GRIND AND FIT AROUND FIXTURES, ETC.. LEAVE COMPLETED WORK FREE FROM CRACKED, BROKEN, OR DAMAGED TILE.
F. ALL TRANSITIONS BETWEEN NEW AND EXISTING OR UNLIKE FINISHES SHALL BE FLUSH AND SMOOTH. NO REDUCER STRIPS PERMITTED IN STOREFRONT AREA.
H. PROTECT NEWLY TILED AREAS WITH GROUT AS REQUIRED FOR SEVEN DAYS, PER MANUFACTURER.
I. INSTALL TILES USING THINSET METHOD WITH 1/8" JOINTS AT WALLS AND FLOORS.
J. SEAL/WAX ALL TILE PER MANUFACTURER'S SPECIFICATIONS.

09650 VINYL RESILIENT TILE FLOORING
PART 1 - GENERAL
A. G.C. TO INSTALL FLOORING AS SHOWN AND SPECIFIED ON THE DRAWINGS.
B. SEE FINISH SCHEDULE FOR SPECIFIC COLORS AND MANUFACTURER.

PART 2 - PREPARATION / EXECUTION
REFER TO SECTION 03732 "CONCRETE REPAIR / PREPARATION". AND TO SECTION 07200 "INSULATION AND WATERPROOFING"

A. PREP SLAB AS REQUIRED TO RECEIVE NEW VINYL TILE.
B. FILL ALL CRACKS, JOINTS, ETC. IN SUB-FLOOR WITH CRACK FILLER APPROVED BY FLOORING MANUFACTURER. INSTALL ALL MATERIALS WITH WATERPROOF TYPE ADHESIVES AS RECOMMENDED BY FLOORING MANUFACTURER FOR MATERIALS AND SURFACES INVOLVED.
C. SLOPE FLOOR TILE TO DRAINS. SUBSTRATE MUST ALSO BE SLOPED TO DRAIN.
D. ALL VINYL FLOORING SHALL BE SCRUBBED AND SEALED BY G.C. PRIOR TO TURNOVER.

09652 WOOD FLOORING
PART 1 - GENERAL
A. FINISHED WOOD FLOOR AS SPECIFIED IN FINISH AND RESPONSIBILITY SCHEDULES. INSTALLED PER MANUFACTURER'S PRINTED INSTRUCTIONS AND RECOMMENDATIONS.
B. MATERIALS SHALL BE LISTED WITH UNDERWRITERS LABORATORIES AS TO FIRE AND SLIP RESISTANCE.
C. ARCHITECTURAL TRIM, i.e. REDUCER STRIPS, BANDS, PICKETS, ETC., SHALL BE OF SAME MANUFACTURER AND FINISH AS WOOD FLOOR.

PART 2 - PREPARATION / EXECUTION
A. GENERAL CONTRACTOR TO RECEIVE AND STORE MATERIAL. G.C. MUST OPEN BOXES A MINIMUM OF SEVEN DAYS IN ADVANCE OF INSTALLATION TO ACCLIMATE PRODUCT TO TEMPERATURE AND HUMIDITY OF AREA TO RECEIVE INSTALLATION.

REFER TO SECTION 03732 "CONCRETE REPAIR / PREPARATION". AND TO SECTION 07200
"INSULATION AND WATERPROOFING"
B. GENERAL CONTRACTOR TO BROOM CLEAN FLOORING AS IT IS INSTALLED. PROTECT FLOORING IMMEDIATELY WITH KRAFT PAPER AND INSTALL MASONITE, ORIENTED STRAND BOARD OR OTHER PROTECTIVE FLOOR PANELS OVER ENTIRE WOOD FLOOR. TAPE ALL JOINT IN FLOOR PROTECTION.
C. NO FLOORING TO BE EXPOSED UNTIL LAST DAY OF FIXTURING AND PROP INSTALLATION.
D. FLOOR CLEAN-UP: FOLLOWING COMPLETION OF WORK BY OTHER TRADES, THE PROTECTIVE COVERING PLACED AFTER INSTALLATION SHOULD BE REMOVED; FOLLOWED BY SWEEPING, VACUUMING AND/OR DRY MOPPING TO REMOVE ALL LOOSE DEBRIS.

09680 CARPET
PART 1 - GENERAL
A. CONDITION CARPET AND ADHESIVES FOR AT LEAST 48 HOURS AT A MINIMUM TEMPERATURE OF 65 DEGREES FAHRENHEIT. THE FLOOR SHOULD ALSO BE CONDITIONED AT A TEMPERATURE ABOVE 65 DEGREES F FOR AT LEAST 24 HOURS PRIOR TO INSTALLATION. THE FLOOR MUST BE SWEPT FREE OF DUST AND DEBRIS.
B. DO NOT INSTALL CARPET OVER CONCRETE SLABS UNTIL SLABS HAVE CURED AND SUFFICIENTLY DRY TO BOND WITH ADHESIVE AND CONCRETE HAVE PH RANGE RECOMMENDED BY THE MANUFACTURER.
C. UNLESS OTHERWISE INDICATED REMOVE, OLD VINYL TILE OR LINOLEUM. CLEAR OFF ALL THE DEBRIS, DIRT OR ANYTHING ELSE THAT COULD INTERFERE WITH THE BOND OF ADHESIVE. THE SUBFLOOR UNDERNEATH THE VINYL SHOULD BE IN GOOD CONDITION AND LEVEL AS WELL BEFORE TO INSTALL THE NEW FLOOR.
D. REMOVE ANY FINISHES, WAXES, PAINT, ETC. FROM WOOD FLOORS. THE SURFACE MUST BE LEVEL AND CRACKS MAY REQUIRE A FLASHING COMPOUND. PLYWOOD OR PARTICLE BOARD MAY BE NECESSARY TO OFFSET UNEVEN FLOORS, BUT MUST BE PRIMED PRIOR TO INSTALLATION.
E. CUT-BACK ADHESIVE MUST BE FLASHED OVER. USING A NOTCHED TROWEL, PATCH AND LET CURE. SMOOTH OVER WITH A SECOND COAT OF PATCH, USING THE FLAT SIDE OF THE TROWEL TO FILL IN THE RIDGES. ALLOW THE NEWLY FLASHED FLOOR TO CURE.
F. GENERAL CONTRACTOR TO VERIFY DESIRED QUANTITY NEEDED, AND ADVISE ESSILOR LUXOTTICA PM AT EARLIEST OPPORTUNITY (WITHIN 1 WEEK AFTER BID AWARDING).
G. INSTALL PER FLOOR AND WALL FINISH PLAN AND PROVIDE TENANT WITH SEAM LAYOUT PRIOR TO CUTTING / INSTALLATION.
H. FILL ALL CRACKS, JOINTS, ETC. IN SUB-FLOOR WITH CRACK FILLER APPROVED BY CARPET MANUFACTURER.
I. PROVIDE DIRECT GLUEDOWN INSTALLATION USING MATERIAL AND METHODS RECOMMENDED BY CARPET MANUFACTURER. SEAL ALL SEAMS WITH SEAM ADHESIVE.

09700 LAMINATED WOOD FLOORING
PART 1 - GENERAL
A. WOOD LAMINATE FLOORING: REFER TO FINISH AND RESPONSIBILITY SCHEDULE FOR SIZES, COLORS, AND MANUFACTURERS.
B. PREP FLOOR AS RECOMMENDED BY THE MANUFACTURER.
C. INSTALL COMPLETE PER MANUFACTURER'S SPECIFICATIONS, INCLUDING ALL TRANSITION STRIPS AND EXPANSION JOINTS AS REQUIRED FOR PROPER INSTALLATION.

PART 2 - PREPARATION / EXECUTION
REFER TO SECTION 03732 "CONCRETE REPAIR / PREPARATION". AND TO SECTION 07200 "INSULATION AND WATERPROOFING"

A. GENERAL CONTRACTOR TO RECEIVE AND STORE MATERIAL. G.C. MUST OPEN BOXES A MINIMUM OF 48 HOURS IN ADVANCE OF INSTALLATION TO ACCLIMATE PRODUCT TO TEMPERATURE AND HUMIDITY OF AREA TO RECEIVE INSTALLATION.
B. PREPARE SUBFLOOR OR EXISTING FLOOR SYSTEM AS RECOMMENDED BY MANUFACTURER.
C. INSTALL POLYETHYLENE FILM ON CONCRETE SUBFLOOR.
D. INSTALL "WHISPERWALK".
E. PROVIDE ADEQUATE EXPANSION SPACE AT PERIMETER, COLUMNS, AND AT ALL ALL OTHER OBSTRUCTIONS.
F. INSTALL SPECIFIED BASE OR TRIM AT PERIMETER, COLUMNS, AND AT ALL OTHER OBSTRUCTIONS.
G. GENERAL CONTRACTOR TO BROOM CLEAN FLOORING AS IT IS INSTALLED. PROTECT FLOORING IMMEDIATELY WITH BROWN KRAFT PAPER AND INSTALL MASONITE, ORIENTED STRAND BOARD OR OTHER PROTECTIVE FLOOR PANELS OVER ENTIRE WOOD FLOOR.
H. NO FLOORING TO BE EXPOSED UNTIL LAST DAY OF FIXTURING AND MERCHANDISE INSTALLATION.
I. FLOOR CLEANUP: FOLLOWING COMPLETION OF WORK BY OTHER TRADES, THE PROTECTIVE COVERING PLACED AFTER INSTALLATION SHOULD BE REMOVED; FOLLOWED BY SWEEPING, VACUUMING AND/OR DRY MOPPING TO REMOVE ALL LOOSE DEBRIS.

09910 PAINTING AND FINISHING
PART 1 - GENERAL
A. THE INTENT IS TO PROVIDE A SATISFACTORY FINISH TO ALL PARTS OF THIS PROJECT. FINISH APPEARANCE MUST BE UNIFORM, SMOOTH, AND FREE OF ANY RUNS, SAGS, AND DEFECTIVE BRUSHING OR SPRAYING. COVER ALL SURFACES THOROUGHLY IF THE NUMBER OF COATS RECOMMENDED BY MANUFACTURER DOES NOT ACCOMPLISH THE INTENT, THEN APPLY ADDITIONAL COATS UNTIL COVERAGE IS SATISFACTORY. SEE FINISH SCHEDULE FOR PAINT COLORS, MANUFACTURER, ETC.
B. USE ONLY THE PAINT AND RELATED MATERIALS SPECIFIED BY THE MANUFACTURER. SEE FINISH SCHEDULE FOR SPECIFIC COLORS. ALTERNATES ARE NOT PERMITTED.
PART 2 - PREPARATION / EXECUTION
A. CLEAN ALL SURFACES TO BE PAINTED FREE OF LOOSE DIRT AND DUST BEFORE WORK IS STARTED. WASH ALL METAL SURFACES WITH MINERAL SPIRITS BEFORE APPLYING FINISHES. WHERE RUST OR SCALE IS PRESENT, WIRE BRUSH OR SAND CLEAN BEFORE APPLYING FINISH.
B. PAINTED DRYWALL TO RECEIVE ONE COAT LATEX PRIMER AND TWO COATS OF SPECIFIED TINT PRIMER TO APPROXIMATE SHADE OF THE FINAL COAT. PRIMER AND FIRST COAT TO HAPPEN BEFORE FIXTURE INSTALLATION, SECOND COAT TO HAPPEN AFTER FIXTURE INSTALLATION. TOUCHUP ALL SUCTION SPOTS OR HOT SPOTS AFTER APPLICATION OF FIRST COAT AND BEFORE APPLYING SECOND COAT, TO PRODUCE AND EVEN RESULT IN THE FINISH COAT. DRY ALL COATS THOROUGHLY BEFORE APPLYING SUCCEEDING COATS. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR RECOAT TIME. SEAL ALL DRYWALL SURFACES BEHIND MIRRORS.
C. PUTTY ALL NAIL HOLES, COUNTERSUNK SCREWS, BOLTS, CRACKS, ETC. BEFORE APPLYING FINISH.
D. SAND ALL WOOD SURFACES SMOOTH AND EVEN BEFORE APPLYING FINISH.
E. BEFORE STARTING FINISH WORK, REMOVE HARDWARE, ACCESSORIES, PLATES, LIGHTING FIXTURES AND SIMILAR ITEMS, OR PROVIDE AMPLE PROTECTION FOR SUCH ITEMS.
F. PAINT ALL EXPOSED PIPING, ACCESS DOORS, VENTS, FIRE EXTINGUISHER CABINETS, EQUIPMENT MOUNTING BOARDS, ETC. TO MATCH ADJACENT WORK UNLESS OTHERWISE NOTED OR DIRECTED.
G. SAND ENAMELED FINISHES APPLIED TO WOOD OR METAL BETWEEN COATS WITH FINE SANDPAPER TO PRODUCE EVEN SMOOTH FINISH.
H. MAKE FINISH WORK UNIFORM, SMOOTH, FREE OF RUNS, SAGS AND DEFECTIVE BRUSHING OR SPRAYING. MAKE EDGES ADJOINING OTHER MATERIALS OR COLORS SHARP AND CLEAN WITHOUT OVERLAPPING.
I. SEAL TOPS, BOTTOMS AND EDGES OF ALL DOORS.
J. CONTRACTOR TO LEAVE ONE QUART EACH COLOR OF PAINT FOR FUTURE TOUCH-UP.
K. PRIOR TO CONTRACTOR LEAVING SITE AND AFTER ALL FIXTURES ARE INSTALLED AND STORE IS CLEANED, CONTRACTOR TO WALK SITE AND TOUCH-UP PAINT DAMAGED DURING FINAL DAYS OF PROJECT.
L. GENERAL CONTRACTOR TO HAVE ONE (1) PAINTER PRESENT AT THE TIME OF THE PUNCH LIST TO PERFORM IMMEDIATE TOUCH-UPS/REPAIRS AS NEEDED

END OF DIVISION

DIVISION 10000 - SPECIALTIES
10520 FIRE PROTECTION
PART 1 - GENERAL
A. PROVIDE MULTI-PURPOSE CHEMICAL FIRE EXTINGUISHERS CAPABLE OF EXTINGUISHING CLASS A, B, AND C FIRES, IN QUANTITIES AND LOCATIONS REQUIRED BY LOCAL FIRE MARSHALL. (COORDINATE IN FIELD.) MANUFACTURER: J.L. INDUSTRIES; COSMIC SERIES OR EQUAL.
B. ALL EXTINGUISHERS ARE TO BE FURNISHED WITH CURRENT TAGS, INDICATING DATE(S) OF INSTALLATION.

PART 2 - PREPARATION / EXECUTION
A. INSTALL MOUNTING BRACKETS AT HEIGHTS TO COMPLY WITH APPLICABLE REGULATIONS OF GOVERNING AUTHORITIES.
B. SECURE MOUNTING BRACKETS TO STRUCTURE, SQUARE AND PLUMB, TO COMPLY WITH MANUFACTURER'S INSTRUCTIONS.

10800 TOILET ROOM ACCESSORIES
PART 1 - GENERAL
A. GENERAL CONTRACTOR TO SUPPLY A.D.A. APPROVED TOILET ACCESSORIES AND GRAB BARS INCLUDING ALL SET SCREWS AND ANCHORS REQUIRED FOR COMPLETE INSTALLATION.

PART 2 - PREPARATION / EXECUTION
A. G.C. SHALL INSTALL TOILET ACCESSORY UNITS ACCORDING TO MANUFACTURER'S INSTRUCTIONS, USING FASTENERS AND IN WALL BLOCKING AS RECOMMENDED BY UNIT MANUFACTURER. INSTALL UNITS PLUMB AND LEVEL, FIRMLY ANCHORED IN LOCATIONS AND AT HEIGHTS INDICATED, IN A TAMPERPROOF MANNER WITH SPECIAL HANGERS, TOGGLE BOLTS, OR SCREWS.

END OF DIVISION

DIVISION 11000 - EQUIPMENT
11001 EQUIPMENT
PART 1 - GENERAL
A. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT WORK AND PLACEMENT WITH THE WORK OF ALL OTHER TRADES AND MAKE ADJUSTMENTS AS REQUIRED TO ACCOMMODATE LOCATIONS OF EQUIPMENT.
B. ALL EQUIPMENT WORK SHALL COMPLY WITH ALL GOVERNING BUILDING CODES AND LOCAL
C. EQUIPMENT SHALL BE FURNISHED, UNLOADED, UNPACKED OR UNCRATED AND PLACED ACCORDING TO THE CONSTRUCTION DOCUMENTS.

PART 2 - PREPARATION / EXECUTION
A. GENERAL CONTRACTOR'S INSTALLATION OF TENANT SUPPLIED EQUIPMENT IS TO BE INCLUDED IN GENERAL BID.
B. GENERAL CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY OF ANYDAMAGE TO THE EQUIPMENT PRIOR TO INSTALLATION.
C. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL HOOKUP OF ALL EQUIPMENT, INCLUDING ALL MECHANICAL, PLUMBING AND ELECTRICAL WORK.
D. ALL EQUIPMENT MANUALS, INSTRUCTION BOOKLETS AND WARRANTY INFORMATION SHALL BE NEATLY BOUND AND TURNED OVER TO THE CONSTRUCTION MANAGER PRIOR TO THE TURNOVER.

11110 MISCELLANEOUS
PART 1 - GENERAL
A. GENERAL CONTRACTOR TO INSTALL FULL HEIGHT, WHITE CORNER GUARDS WITH WHITE ADHESIVE, UNLESS OTHERWISE SPECIFIED, WHERE INDICATED ON DRAWINGS.

END OF DIVISION

FOR TRADE SPECIFIC SPECIFICATIONS, SEE RELATED SHEETS PER TRADE


DESIGN & CONSTRUCTION MANAGEMENT:
EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


STORE #518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:
LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

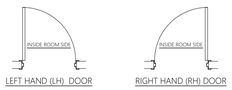

Seal

Architect / Engineer Job No.: RT2025-0218
EssilorLuxottica DD Set Layout No.: 14
EssilorLuxottica Project Number 101399
Brand Design Type: LC09

ISSUED FOR:
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name: SPECIFICATIONS 3 OF 3

Date 05/01/2026
Drawn By J.MITCHELL
Checked By J.MARJI
Sheet No.: G005



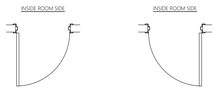

LEFT HAND (LH) DOOR

- HINGES LOCATED ON THE LEFT WHEN STANDING OUTSIDE THE ROOM
- INSIDE LEVER POINTED RIGHT, TO HINGES




RIGHT HAND (RH) DOOR

- HINGES LOCATED ON THE RIGHT WHEN STANDING OUTSIDE THE ROOM
- INSIDE LEVER POINTED LEFT, TO HINGES




LEFT HAND REVERSE (LHR) DOOR




RIGHT HAND REVERSE (RHR) DOOR

# 1 DOOR SCHEDULE

| ROOM # | DOOR # | FURNISHED BY | INSTALLED BY | LOCATION | DOORS MATERIAL | DOORS FINISH | DOORS SIZE WIDTH x HEIGHT x THICK | DOORS ROUGH OPNING WIDTH x HEIGHT x THICK | HARD WARE | DOOR STOP | CLOSER | JAMB/HEADER TYPE | JAMB/HEADER MAT'L | JAMB/HEADER FINISH | JAMB/HEADER LEVERSET | HAND | RATING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 | 100 | ETR | ETR | SECURITY SHUTTER | ALUM | ALUM | 8' 1"W X 9' 6" H | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | - | NEW QMI AL8 MOTORIZED/MANUAL GRILLE IN EXISTING LOCATION |
| 102 | 189 | GC | GC | LAB | S.C. WOOD | MIR-02/P-200b | 3'-0" x 8'-0" x 2 1/4" | 3' 1-3/4" X 8'-1" x 4-7/8" | E | HP | YES | 1/G010 | ISD EZJAMB | MIR-02/P-200b | ENTRY | LH | - | MFG: EXYJAMB; MDL: ISD; FRAME, DOOR, HARDWARE PURCHASED FROM EZYJAMB BY GC. INSTALLED BY GC. |
| 105 | ETR | MOD | ETR | O.D. ADMIN | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | - | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 106 | ETR | MOD | ETR | PRETEST #1 | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | - | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 108 | ETR | MOD | GC | EXAM ROOM #1 | S.C. WOOD | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | LH | - | EXISTING DOOR TO REMAIN; MODIFY/REPLACE FRAME AS REQUIRED TO ACCOMMODATE REVISED DOOR SWING. |
| 109 | 184 | GC | GC | EXAM ROOM #2 | S.C. WOOD | P-200b | 3'-0" x 8'-0" x 2 1/4" | 3' 1-3/4" X 8'-1" x 4-7/8" | E | FS | NO | 2/G010 | ISD EZJAMB | P-200b | ENTRY | LH | - | MFG: EXYJAMB; MDL: ISD; FRAME, DOOR, HARDWARE PURCHASED FROM EZYJAMB BY GC. INSTALLED BY GC. |
| 110 | ETR | MOD | ETR | PRETEST #2 | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | - | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 111 | 184 | GC | GC | MEDICAL | S.C. WOOD | P-200b | 3'-0" x 8'-0" x 2 1/4" | 3' 1-3/4" X 8'-1" x 4-7/8" | E | FS | NO | 2/G010 | ISD EZJAMB | P-200b | ENTRY | LH | - | MFG: EXYJAMB; MDL: ISD; FRAME, DOOR, HARDWARE PURCHASED FROM EZYJAMB BY GC. INSTALLED BY GC. |
| 112 | ETR | MOD | ETR | EXAM ROOM #3 | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | - | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 113 | ETR | MOD | ETR | IT CLOSET | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | - | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 114 | ETR | MOD | ETR | BOH | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | - | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 115 | ETR | MOD | ETR | MANGER OFFICE | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | - | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 116 | ETR | MOD | ETR | CORRIDOR | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | - | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 118 | ETR | MOD | ETR | REST ROOM | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | - | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 119 | ETR | MOD | ETR | REST ROOM | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | - | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 120 | ETR | MOD | ETR | CORRIDOR | ETR | P-200b | ETR | ETR | E | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | ETR | EXISTING DOOR TO REMAIN AND RECEIVE NEW HARDWARE AND FINISHES AS SCHEDULED. |
| 121 | 180a | MOD | ETR | LOADING | ETR | P-200b | ETR | ETR | ETR | ETR | ETR | ETR | ETR | P-200b | ETR | ETR | ETR | PROVIDE NEW THRESHOLD AS REQUIRED. PEMKO MFG. CO. #175A/ALUMINUM, ALLOY 6063-76 FOR EXTERIOR DOOR CONDITIONS |

1-LC09-G010-REV05

SEE BELOW FOR JAMB AND CASING DETAILS AND GENERAL DOOR COMPLIANCE NOTES

## CLOSER

ROCYORK CONCEALED CLOSER (CAN BE USED WITH BOTH ISD AND SRC EZYJAMB FRAMES)

CLOSERS: LC09-G010-REV05

## DOOR STOPS

FS: UNIVERSAL HARDWARE 1-3/4 IN. SATIN CHROME DOME FLOOR STOP WITH RISER MODEL # UH40074

HP: DOORSAVER 3 COMMERCIAL, HINGE PIN STOP, SATIN NICKEL FINISH (INSTALL TOP HINGE ONLY)

DOOR STOPS: LC09-G010-REV05

## PORTALS

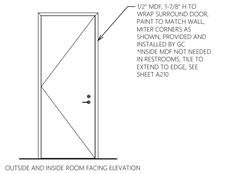
| MARK | LENGTH x WIDTH x HEIGHT |
|---|---|
| A | 4' 10-5/8" X 2'-1 1/4" x 9-6 1/4" |
| B | 3' 8-5/8" X 1'-6 3/4" x 9-6 1/4" |
| C | 4' 1" X 0'-11 3/4" x 9-6 1/4" |

PORTALS: LC09-G010-REV01

# 2 DOOR TYPES

184

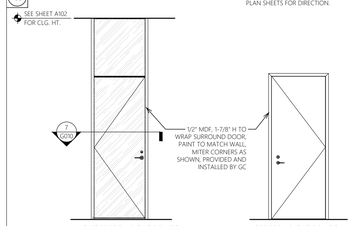
DIRECTION OF SWING MAY VARY. SEE PLAN SHEETS FOR DIRECTION.




OUTSIDE AND INSIDE ROOM FACING ELEVATION

189

DIRECTION OF SWING MAY VARY. SEE PLAN SHEETS FOR DIRECTION.

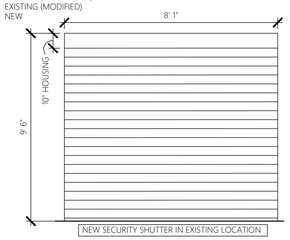



OUTSIDE ROOM FACING ELEVATION

INSIDE ROOM FACING ELEVATION

100

☐ EXISTING (NO CHANGE)
☐ EXISTING (MODIFIED)
☒ NEW

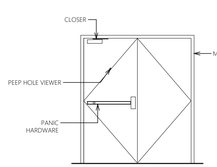



NEW SECURITY SHUTTER IN EXISTING LOCATION

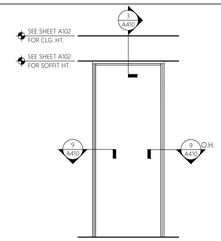
180a

☒ EXISTING (NO CHANGE)
☐ EXISTING (MODIFIED)
☐ NEW

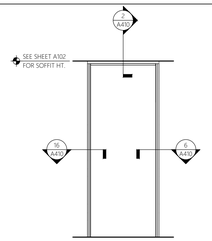
DIRECTION OF SWING MAY VARY. SEE PLAN SHEETS FOR DIRECTION.



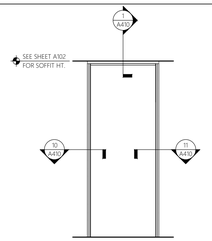

A




B




C




2-LC09-G010-REV05

# 3 HARDWARE

HARDWARE SET 'E' (DOOR 184, 189 )

- DOOR MATERIAL: - STAIN GRADE SOLID CORE - UNFINISHED ROTARY NATURAL BIRCH
- FRAME MATERIAL: - EZCONCEPT 888-399-5262
- HINGES: (QTY. 4) ROCKYORK HW-RY4124SS FINISH: STAINLESS STEEL
- DOOR HANDLE: ROCYORK HW-DHL127 FINISH: STAINLESS STEEL
  LEVERSET FUNCTIONS: ENTRY, PRIVACY, PASSAGE (CALLED OUT IN SCHEDULE)
- LOCK: HW-DHL127 F22 MORTISE LOCK- STAINLESS STEEL (NO DOOR PLATES)
- CORE: SFIC (SMALL FORMAT INTERCHANGEABLE CORE) 6 PIN. FINISH TO MATCH LOCK.
- THUMBTURNS: ADA COMPLIANT

REMARKS:

- SEE DOOR SCHEDULE FOR WHEN A CLOSER IS REQUIRED, SEE CLOSER BOX FOR SPEC
- SEE DOOR SCHEDULE FOR APPLICABLE DOOR STOP, SEE DOOR STOP BOX FOR SPEC

3-LC09-G010-REV05

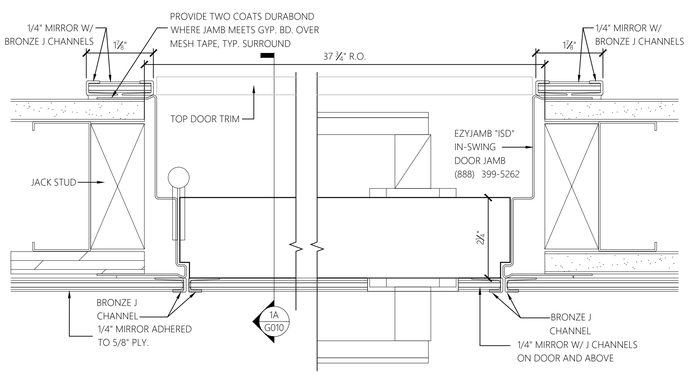
# 5 COMPLIANCE NOTES FOR DOORS

1. DOORS: GENERAL SHALL MEET THE REQUIREMENTS OF THE BUILDING CODE & CURRENT EDITION OF THE LIFE SAFETY CODE.
2. REGARDLESS OF THE OCCUPANT LOAD SERVED, EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT, MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS AND SURFACE BOLTS OR ANY OTHER TYPE OF DEVICE THAT MAY BE USED TO CLOSE OR RESTRAIN THE DOOR OTHER THAN BY OPERATION OF THE LOCKING DEVICE SHALL NOT BE USED. WHERE EXIT DOORS ARE USED IN PAIRS AND APPROVED AUTOMATIC FLUSH BOLTS ARE USED THE DOOR LEAF HAVING AND AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOOR KNOB OR SURFACE MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRED MORE THAN ONE OPERATION.
3. DOOR HARDWARE. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRED TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS. WHEN SLIDING DOORS ARE FULLY OPEN, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" (1220 MM) ABOVE FINISHES FLOOR.
4. CLEAR WIDTH. DOOR WAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32 IN. (815 MM) WITH THE DOOR OPEN 90 DEGREES, MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP.
5. MANEUVERING CLEARANCES AT DOORS. FLOOR WITHIN THE REQUIRED CLEARANCES SHALL BE LEVEL AND CLEAR.
6. THRESHOLDS AT DOORWAYS. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 3/4 IN. (19 MM) IN HEIGHT FOR EXTERIOR SLIDING DOORS OR 1/2 IN. (13MM) FOR OTHER TYPES OF DOORS. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
7. DOOR CLOSURES. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 IN. (75 MM) FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
8. DOOR OPENING FORCES. THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:
   1. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
   2. OTHER DOORS.
      a. EXTERIOR HINGED DOORS: (RESERVED).
      b. INTERIOR HINGED DOORS: 5 LBF (22.2N).
      c. SLIDING OR FOLDING DOORS: 5 LBF (22.2N).

   THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

COMPLIANCE NOTE-LC09-G011-REV02

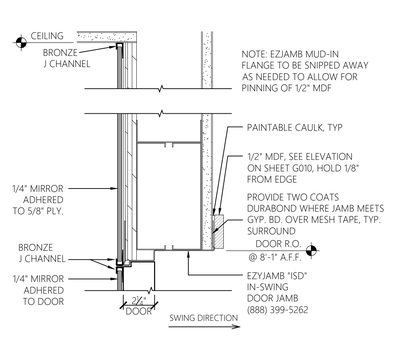
# 4 JAMB/HEADER DETAILS




## 1 PLAN - 189 JAMB DETAIL

SCALE: 6" = 1'-0"

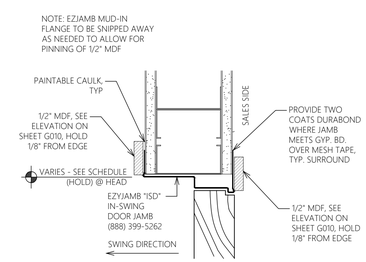
1-LC09-G011-REV06




## 1A SECTION - 189 HEAD DTL.

SCALE: 3" = 1'-0"

7A-LC09-G011-REV06




## 2 'ISD' INSWING EZJAMB 184 HEADER/JAMB DETAIL

SCALE: 3" = 1'-0"

1-LC09-G011-REV06


DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


STORE #518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: 14

EssilorLuxottica Project Number 101399

Brand Design Type: LC09

ISSUED FOR:

- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
- ☒ PERMIT
- ☐ BULLETIN

Sheet Name: DOOR AND HARDWARE SCHEDULE

Date 05/01/2026
Drawn By N.AMINI
Checked By J. MARJI

Sheet No.: G010

## 2 LC09 - ACCESSORY SCHEDULE

| CODE | ITEM | DESCRIPTION | ROOM | REMARKS | SUPPLIED | RECEIVED | INSTALLED |
|---|---|---|---|---|---|---|---|
| LCOD-HOOK | COAT HOOK<br>ROUND WALL-MOUNTED HOOKS | VENDOR: NA<br>ARTICLE #: 3042090; VENDOR PART #: 3524806<br>FINISH: MATTE STAINLESS STEEL | CONTACT LENS ROOM (4)<br>PRE-TEST & ALCOVE ROOMS (4)<br>EXAM ROOMS (4) LAB (4)<br>SSM OFFICE (4)<br>BOH/BREAK AREA (6)<br>OD ADMIN OFFICE (4)<br>RESTROOM (2) | • WHERE MORE THAN ONE ARE PROVIDED, INSTALL @ 48" A.F.F. (44" IN RESTROOM) & @ 72" A.F.F.<br>• ROUND HOOK ONLY (INSTALL WITHOUT PROVIDED BACKPLATE)<br>• GC TO PROVIDE AND INSTALL IN-WALL BLOCKING | T | GC | GC |
| LCOD-CLM | COUNTER TOP MOVEABLE MIRROR | VENDOR: DÉCOR WALTHER<br>ARTICLE #: 3042093; VENDOR PART #: SPT-65-0113100-CH<br>FINISH: POLISHED CHROME | CONTACT LENS ROOM; FITTING COUNTERS; EXAM ROOMS | (1) PER CONTACT LENS COUNTER<br>(1) PER FITTING COUNTER (RETAIL)<br>(1) PER EXAM COUNTER | T | GC | GC |
| LCOD-STD | SQUARE TISSUE DISPENSER | VENDOR: M DESIGN<br>ARTICLE #: 3042091; VENDOR PART #: 5711MDBA-MD<br>FINISH: BRUSHED STEEL | CONTACT LENS ROOM<br>LAB<br>FITTING COUNTERS | (1) PER CONTACT LENS COUNTER<br>(1) IN LAB<br>(1) PER FITTING COUNTER IN RETAIL | T | GC | GC |
| LCOD-TRASH1 | LARGE FREE-STANDING AUTOMATIC TRASH CAN | MANUFACTURER: HOMELABS (AMAZON)<br>SIZE: 13 GALLON<br>FINISH: STAINLESS STEEL | BOH/BREAK AREA<br>MANAGER/OD ADMIN OFFICE<br>RESTROOM | (1) PER BOH/BREAK AREA<br>(1) PER MANAGER/OD ADMIN OFFICE (TYPICALLY 1-2 PER STORE)<br>(1) PER RESTROOM (TYPICALLY 1-2 PER STORE) | T | GC | GC |
| LCOD-TRASH2 | SMALL FREE-STANDING TRASH CAN | MANUFACTURER: TERI (AMAZON)<br>SIZE: 15 LITER<br>FINISH: STAINLESS STEEL | FITTING COUNTERS<br>RECEPTION DESK<br>LAB<br>PRETEST ROOM<br>EXAM ROOM<br>CONTACTS COUNTER | (1) PER FITTING COUNTER (TYPICALLY 3-4 PER STORE)<br>(1) AT RECEPTION DESK<br>(1) IN LAB<br>(1) PER PRETEST ROOM (TYPICALLY 1-3 PER STORE)<br>(1) PER EXAM ROOM (2-4 PER STORE)<br>(1) PER CONTACTS COUNTER (1-2 PER STORE) | T | GC | GC |
| LCOD-HTD | PAPER HAND TOWEL DISPENSER | VENDOR: PRUDENTIAL<br>ARTICLE #: 3042097; VENDOR PART #: 9906S<br>FINISH: MATTE STAINLESS STEEL | CONTACT LENS ROOM<br>LAB<br>EXAM ROOMS | (1) PER CONTACT LENS SINK<br>(1) IN LAB<br>(1) PER EXAM ROOM SINK | T | GC | GC |
| LCOD-SD | SOAP DISPENSER | VENDOR: DECOR WALTHER<br>ARTICLE #: 3042087; VENDOR PART #: LEN-DW0521276<br>FINISH: SATIN STAINLESS STEEL | CONTACT LENS ROOM<br>LAB<br>EXAM ROOMS | (1) PER CONTACT LENS SINK<br>(1) IN LAB<br>(1) PER EXAM ROOM | T | GC | GC |
| LCOD-MH | 24" MOP HOLDER | VENDOR: ABCO<br>ARTICLE #: 3041934; VENDOR PART #: LEN-600MBR24<br>FINISH: STAINLESS STEEL | LAB | (1) PER MOP SINK | T | GC | GC |
| LCOD-MWB | GLASS MAGNETIC WHITE BOARD | VENDOR: LENGLASSBOARD: 23.6"H x 35.4"W<br>ARTICLE #: 3042089; VENDOR PART #: 83843<br>FINISH: GLOSS WHITE | SSM OFFICE<br>BOH/BREAK AREA | (1) PER MANAGER OFFICE / AREA<br>(1) PER BREAK AREA ROOM | T | GC | GC |
| LCOD-LKR | LOCKERS | VENDOR: PENCO PRODUCTS<br>ARTICLE #: 3043380<br>VENDOR PART #: 6G379 WELDED GEN2 LOCKER, 6-TIER, SOLID DOOR, SLAM LATCH<br>FINISH: 054 CANVAS<br>DIMENSIONS: 12"W X 18" D | BOH/BREAK AREA | TO INCLUDE LOCKS<br>(2) PER STORE | T | GC | GC |
| LCOD-FRIG | REFRIGERATOR | VENDOR: ABCO<br>ARTICLE #: 3041467<br>MODEL: AVANTI 3.3 CU BLACK RM3316B | BOH/BREAK AREA | (1) PER STORE | T | GC | GC |
| LCOD-MICRO | MICROWAVE | VENDOR: ABCO<br>ARTICLE #: 3041466<br>VENDOR PART #: LEN-MICROWAVE1 | BOH/BREAK AREA | (1) PER STORE | T | GC | GC |
| LCOD-WD | WATER DISPENSER | VENDOR: ABCO<br>ARTICLE #: 3042092; VENDOR PART #: LEN-A9<br>FINISH: BLACK/STAINLESS | BOH/BREAK AREA | (1) PER STORE | T | GC | GC |

'LCOD' PREFIX IS NOT REFLECTED ON PLAN.
SEE A210 FOR TOILET ROOM ACCESSORIES.

2-LC09-G020-REV04

## 1 LC09 STANDARD - 101399 - FINISH SCHEDULE

| | ITEM | MARK | DESCRIPTION | MFG. / CONTACT | | MODEL / COLOR | ALT. | REMARKS | SUPPLY | RECEIVED | INSTALLED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APPLIED FINISHES | PAINT | P-200 | PAINT (TAN); BELOW 9'-10" A.F.F | BENJAMIN MOORE | 866-708-9180 | ULTRA SPEC® 500 INTERIOR LATEX<br>COLOR: OC-12 MUSLIN | NONE | WALL SHEEN: SATIN CEILING SHEEN: FLAT TRIM SHEEN: SEMI-GLOSS<br>SEE SPECS FOR PRIMER, COATS AND PAINT SEQUENCING | GC | GC | GC |
| | PAINT | P-200b | PAINT (TAN); BELOW 9'-10" A.F.F. | BENJAMIN MOORE | 866-708-9180 | ULTRA SPEC® ULTRA SPEC SCUFF-X<br>COLOR: OC-12 MUSLIN | NONE | WALL SHEEN: SATIN CEILING SHEEN: FLAT TRIM SHEEN: SEMI-GLOSS<br>SEE SPECS FOR PRIMER, COATS AND PAINT SEQUENCING | GC | GC | GC |
| | PAINT | P-110 | PAINT (BRONZE) | BENJAMIN MOORE | 866-708-9180 | ULTRA SPEC® 500 INTERIOR LATEX<br>COLOR: DEEP CREEK 1477 | NONE | WALL SHEEN: SATIN CEILING SHEEN: FLAT TRIM SHEEN: SEMI-GLOSS<br>SEE SPECS FOR PRIMER, COATS AND PAINT SEQUENCING | GC | GC | GC |
| | WALLCOVERING | WC-190 | ACCENT WALLCOVERING | KOROSEAL | CAL RAYMOND (855-753-5474)<br>craymond@koroseal.com | VESCOM, HAUKI - 1069.13<br>ROLL WIDTH 51" | NONE | VERTICAL PATTERN INSTALLATION | GC | GC | GC |
| | WALLCOVERING | WC-191 | ACCENT WALLCOVERING | KOROSEAL | CAL RAYMOND (855-753-5474)<br>craymond@koroseal.com | KOROSEAL FLEX, THATCH HOPE THA1-21<br>ROLL WIDTH 52" | NONE | VERTICAL PATTERN INSTALLATION | GC | GC | GC |
| | FIBERGLASS REINFORCED PLASTIC | FRP-2 | F.R.P. WALL PANELS<br>(4'-0" X 10'-0" X 1/8") | MARLITE | 800-377-1221 | PEBBLED, P440N BISCUIT | NONE | ACCESSORIES: INSIDE CORNER #M350, OUTSIDE CORNER #M360, DIVIDERS #M365, EDGING #M370 (AT MOP SINK ONLY) | GC | GC | GC |
| BASE | METAL WALL BASE | B-110 | 1/8" x 1" METAL WALL BASE (BRONZE) | N/A: GC OBTAINED METAL WALL BASE, SEE REMARKS | - | FINISH: M-110 | NONE | SEE DETAIL: 11/A411 (ALL CUTS IN FIELD MUST BE DONE UTILIZING A HACKSAW W/ HIGH-SPEED STEEL BLADE. TAPE OFF MATERIAL DURING CUT. MITER INSIDE & OUTSIDE CORNERS.) | GC | GC | GC |
| | METAL WALL BASE | B-197 | 1/8" x 1" METAL WALL BASE<br>FINISH: POLISHED STAINLESS STEEL | N/A: GC OBTAINED METAL WALL BASE, SEE REMARKS | BOB GUNTHER (631-249-1226)<br>BOB@POLISHEDMETALS.COM | 1/8" x 1" METAL WALL BASE<br>FINISH: POLISHED STAINLESS STEEL | EQUAL | SEE DETAIL: 11/A411 (ALL CUTS IN FIELD MUST BE DONE UTILIZING A HACKSAW W/ HIGH-SPEED STEEL BLADE. TAPE OFF MATERIAL DURING CUT. MITER INSIDE & OUTSIDE CORNERS.) | GC | GC | GC |
| | WOOD WALL BASE | B-200 | 2" X 1" MDF, FINISH P-200 | | | 2" X 1" MDF, FINISH P-200 | EQUAL | OD RECEPTION, CORRIDOR, OD ROOMS, LAB, CONTACTS | GC | GC | GC |
| FLOORING | CARPET | C-192 | CARPET | MANNINGTON | 800-241-2262<br>KEVIN.OBRYAN@MANNINGTON.COM | MANNINGTON: BELVEDERE V<br>AMBERGRIS 12133; 12' | NONE | LUXOTTICA STRATEGIC ACCOUNT #40001033 | T | GC | GC |
| | TILE FLOOR | TF-197 | PORCELAIN FLOOR TILE<br>(.6CM X 60CM X 120CM, .24" X 23.625" X 47.25") | IRIS FMG, EU<br>STONE PEAK (TRANSCERAMICA, NA) | NOREEN SCHERTLER (312-342-4689)<br>nschertler@transceramica.com | GREY BLOSSUM (FORMERLY PEACH BLOXXUM / FIORE DI PESCO)<br>MARBLE EFFECT; FINISH: PRELUCIDATO (HONED) | NONE | GROUT (BY GC): 1/8" JOINT; LATICRETE SPECTRALOCK PRO PREMIUM, COLOR: 78 STERLING (REQ'S 7 DAYS OF PROTECTION) | T | GC | GC |
| | VINYL FLOOR TILE | VFT-192 | VINYL FLOOR TILE<br>(3/16" x 18" x 36") | EF CONTRACT FLOORING | 800-451-1250 | PLATEAU 2.5 EFCP5004 ZINC. | NONE | SCRUB AND SEAL VINYL FLOORING SUBSEQUENT TO INSTALLATION. REFER TO MANUFACTURER'S SPECIFICATIONS. | T | GC | GC |
| | WATERPROOF FLOOR MEMBRANE | WM-101 | WATERPROOF FLOOR MEMBRANE | CUSTOM BUILDING PRODUCTS | 800-272-2757 | REDGARD CRACK PREVENTION AND WATERPROOFING MEMBRANE | NONE | USED IN WET AREAS WHEN REQUIRED BY LANDLORD. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. | GC | GC | GC |
| | GYPSUM CEILING | GYP-1 | GYPSUM BOARD CEILING - LEVEL 5 FINISH | CERTAINTEED | 800-233-8990 | PROROC BRAND GYPSUM BOARD | NONE | | GC | GC | GC |
| CEILING | ACOUSTICAL CEILING | AC-8 | ACOUSTICAL CEILING TILE | ARMSTRONG | (800) 442-4212<br>TQ ORDER:<br>accounts.armstrongceilings.com<br>(*SEE ORDERING NOTE BELOW*) | 2824MSS (SANDSTONE) - CALLA 24"x24", TEGULAR CEILING TILE, FOR 9/16" SUPRAFINE SUSPENSION (GRID TO MATCH SANDSTONE): 7501SSS (MAIN), XL7540SSS (4' CROSS TEE), XL7520SSS (2' CROSS TEE) AND 7804SSS (WALL MOLDING 9/16" FLANGE) | NONE | CLASS "A", REFERENCE "LUXOTTICA" AS ACCOUNT NAME | GC | GC | GC |
| | TRANSITION STRIP | TS-5 | TRANSITION STRIP (HARD TILE TO MALL HARD TILE FLOORING) | SCHLUTER | 888-472-4588 | SCHLUTER®-DECO, SATIN ALUMINUM (-AE) HEIGHT AS APPROPRIATE FOR FLOORING TRANSITION, 1/4" THICK ALUM. EDGE | NONE | STOREFRONT ENTRY BETWEEN RETAIL TILE AND MALL TILE | GC | GC | GC |
| TRANSITION | TRANSITION STRIP | TS-6 | TRANSITION STRIP (WALL TILE TOP EDGE) | SCHLUTER | 888-472-4588 | SCHLUTER®-SCHIENE, FINISHING AND EDGE-PROTECTION PROFILE WITH MINIMUM REVEAL. STAINLESS STEEL | EQUAL | | GC | GC | GC |
| | TRANSITION STRIP | TS-9 | TRANSITION STRIP (HARD TILE TO VINYL) | SCHLUTER | 888-472-4588 | SCHLUTER®-RENO-U. STAINLESS STEEL | NONE | | GC | GC | GC |
| | TRANSITION STRIP | TS-10 | TRANSITION STRIP (HARD TILE TO CARPET & VINYL TO CARPET) | SCHLUTER | 888-472-4588 | SCHLUTER®-RENO-TK. STAINLESS STEEL | NONE | | GC | GC | GC |
| | | | | | | | | | | | |
| GLAZING | MIRROR | MIR-02 | MIRROR (BRONZE) | INTERGLASS | 305-885-4442 | INTERGLASS, M-6884130-C | NONE | - | GC | GC | GC |
| | MIRROR | MIR-03 | MIRROR (LIGHT FUME') | A-1 GLASS COMPANY, INC | CRAIG AITKEN (860-289-3481) | 1/4" WALKER GRAY MIRROR | NONE | - | GC | GC | GC |
| | | | | | | | | | | | |
| METAL | STOREFRONT | M-110 | METAL PANEL (BRONZE) | PRISMATICPOWDERS.COM | 866-774-7628 | 18 GA. BRAKE METAL W/ APPLIED PRISMATIC POWDER COAT:<br>TRIPLE BRONZE UMB-4548 | NONE | GC RESPONSIBLE FOR NEW AND/OR REFURBISH OF CONSTRUCTION FOR STOREFRONT VENDOR TO APPLY FINISHES. | GC | GC | GC |
| | | | | | | | | | | | |
| MISC. | | | | | | | | | | | |

INPUT APPLICABLE TITLE

### SIGNAGE TAKEOFF SCHEDULE

| CODE | DESCRIPTION | QUANTITY | PROVIDED BY SIGNAGE VENDOR? |
|---|---|---|---|
| LC09-FLEL-LC-15 | LENSCRAFTERS SIGN @ STOREFRONT (FACE-LIT EGDE-LIT LETTERS ALL WHITE) | 1 | YES |
| LC09-FLEL-VC-6 | VISION CENTER SIGN @ STOREFRONT (FACE-LIT EGDE-LIT LETTERS ALL WHITE) | 1 | YES |
| LC09-HC-EE-4 | HANGING CABINET EYE EXAM SIGN - BRONZE FINISH | 1 | YES |
| LC09-BL-L | LENSCRAFTERS BLADE SIGN-LIT - BRONZE FINISH | 1 | YES |
| RB-02212-00 | RAY-BAN RED LED LOGO | 1 | NO |
| OKS-01900-00 | OAKLEY LOGO 810 | 1 | NO |
| LC09-GR15 | DOCTORS & HOURS VINYL GRAPHIC (1-DOOR STATES) | 1 | NO |
| LC09-GH16 | DOCTORS HOURS SLAT SIGN | 1 | NO |
| LC09-GH23 | DR./OPT. LICENSE CERTIFICATE SNAP FRAMES | 4 | NO |
| LC09-GH30 | DR. AREA SNAP FRAMES | 2 | NO |
| LC09-GR32-C | DOOR SIGN/ROOM ID - CONTACTS | 1 | NO |
| LC09-GR32-PT1 | DOOR SIGN/ROOM ID - PRETEST 1 | 1 | NO |
| LC09-GR32-PT2 | DOOR SIGN/ROOM ID - PRETEST 2 | 1 | NO |
| LC09-GR32-EX1 | DOOR SIGN/ROOM ID - EXAM 1 | 1 | NO |
| LC09-GR32-EX2 | DOOR SIGN/ROOM ID - EXAM 2 | 1 | NO |
| LC09-GR32-EX3 | DOOR SIGN/ROOM ID - EXAM 3 | 1 | NO |
| LC09-GR32-MED | DOOR SIGN/ROOM ID - MEDICAL | 1 | NO |
| LC09-GR32-RR-W1 | DOOR SIGN/ROOM ID - RESTROOM | 2 | NO |
| LC09-GR32-L | DOOR SIGN/ROOM ID - LAB | 1 | NO |
| LC09-GR32-EM | DOOR SIGN/ROOM ID - EMPLOYEES | 2 | NO |
| LC09-GR32-E | DOOR SIGN/ROOM ID - ELECTRICAL | 1 | NO |
| LC09-GR32-EXT | DOOR SIGN/ROOM ID - EXIT | 1 | NO |

### LC09 FLOORING MANUAL TAKEOFF

| CODE | DESCRIPTION | NET QTY | UOM | NOTES |
|---|---|---|---|---|
| B-110 | METAL BASEBOARD - 1/8" x 1" TALL - FINISH: M-110 (BRONZE) | 17 | LFT | STOREFRONT INTERIOR |
| B-111 | METAL BASEBOARD - 1/8" x 1" TALL - FINISH: M-111 (GREY) | 0 | LFT | STOREFRONT INTERIOR |
| B-501 | METAL BASEBOARD - 1/8" x 1" TALL - FINISH: M-501 (BLACK) | 0 | LFT | STOREFRONT INTERIOR |
| B-194 | WOOD BASEBOARD - 1/2" x 1" TALL - FINISH: P-180 (PASHMINA) | 440 | LFT | OD RECEPTION, CORRIDORS, BOH, STORAGE & ELECTRICAL ROOMS; STANDARD & PREMIUM LOC. |
| B-196 | WOOD BASEBOARD - 1/2" x 1 7/8" TALL - FINISH: P-180b (PASHMINA) | 75 | LFT | CONTACT / LAB; STANDARD & PREMIUM LOCATIONS |
| B-197 | METAL BASEBOARD - 1" TALL - FINISH: POLISHED STAINLESS STEEL | 13 | LFT | RETAIL AREA |
| B-198 | WOOD BASEBOARD - 1/2" x 1 7/8" TALL - FINISH: P-185b (IVORY WHITE) | 186 | LFT | EXAM/PRETEST ROOMS; STANDARD & PREMIUM LOCATIONS |
| B-294 | WOOD BASEBOARD - 1/2" x 1" TALL - FINISH: P-191b (SHALE) | 0 | LFT | OD RECEPTION, CORRIDORS, BOH, STORAGE & ELECTRICAL ROOMS; LC800 & LC09 LOW SCOPE LOC. |
| C-190 | CARPET - BELVEDERE V - AMBERGRIS 12133 - MANNINGTON | 519 | SQ FT | EXAM/PRETEST ROOMS; STANDARD & PREMIUM LOCATIONS |
| C-191 | CARPET - COLOR STUDY 36 - MINERAL GREY 958 - MOHAWK GROUP | 0 | SQ FT | EXAM/PRETEST ROOMS; LC800 & LC09 LOW SCOPE LOC. |
| WF-700 | ENGINEERED WOOD FLOORING - 185mm x 2220mm x 12mm - DT2 - ITLAS | 0 | SQ FT | WHERE SPECIFIED |
| TF-197 | PORCELAIN TILE - 60cm x 120cm - IRIS FMG GREY BLOSSUM | 2811 | SQ FT | RETAIL, OD RECEPTION, CONTACTS, LAB, CORRIDORS, BOH, ADMIN OFFICE, RESTROOMS |
| WT-190 | PORCELAIN TILE - 60cm x 120cm - AIRTECH BASEL GREY - NATURAL FINISH - FLORIM | 0 | SQ FT | RESTROOM WALL TILE, SAME MTL. AS TF-190, STANDARD LOC. 1 TIER HIGH; PREMIUM LOC FULL HEIGHT |
| TF-191 | PORCELAIN TILE - 20cm x 180cm - CUSTOM - WOOD NOCE LUXOTTICA MATTE - FLORIM | 0 | SQ FT | RETAIL ACCENT AREA TILE; WHERE SPECIFIED. |
| TF-193 | PORCELAIN TILE - 60cm x 60cm - MAXFINE - CALACATTA ORO 36, HONED - IRIS FMG | 0 | SQ FT | RETAIL AREA, B&W CHECKERBOARD PATTERN; WHERE SPECIFIED |
| TF-194 | PORCELAIN TILE - 60cm x 60cm - MAXFINE - BLACK MARQUINA 65, HONED - IRIS FMG | 0 | SQ FT | RETAIL AREA, B&W CHECKERBOARD PATTERN; WHERE SPECIFIED |
| VFT-192 | VINYL FLOOR TILE - 18" x 36" - PLATEAU 5 - ZINC - EFCP5004 - EF CONTRACT | 383 | SQ FT | FOR LOW SCOPE LOCATIONS; WHEN AND WHERE SPECIFIED |
| MAT-2 | WALK-OFF MAT - 17mm; 12mm Alt. - NUWAY TUFTIGUARD - CHARCOAL - FORBO | 0 | SQ FT | FOR EXTERIOR ENTRY LOCATIONS ONLY |

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number 101399

Brand Design Type: **LC09**

ISSUED FOR:
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name: SCHEDULES

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.: G020

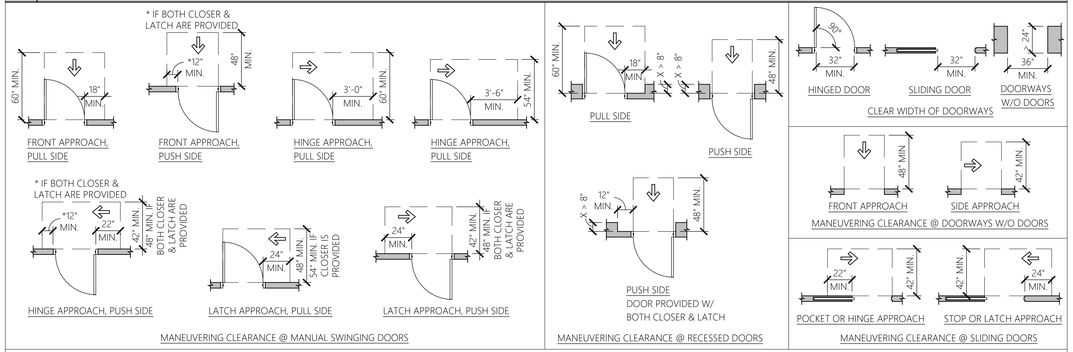
## 4 LIFE SAFETY NOTES

1. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS AT LOCATIONS SHOWN ON THE FLOOR PLAN. EXIT SIGNS SHALL HAVE A MAXIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND.
2. EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED BY TWO ELECTRIC LAMPS OR SHALL- BE OF APPROVED SELF-LUMINOUS TYPE. IF TWO LAMPS ARE USED, POWER SUPPLY TO ONE OF THE LAMPS SHALL BE PROVIDED BY THE PREMISES WIRING SYSTEM. POWER SUPPLY TO THE OTHER LAMP SHALL BE FROM STORAGE BATTERIES. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
3. EMERGENCY LIGHTING SHALL BE PROVIDED FROM AN EMERGENCY POWER SYSTEM AND SHALL PROVIDE A VALUE OF ONE FOOT CANDLE AT FLOOR LEVEL.
4. ALL DOORS TO BE OPERABLE IN THE DIRECTION OF EGRESS TRAVEL AT ALL TIMES.
5. FIRE MARSHAL TO DETERMINE FINAL QUANTITIES AND LOCATION OF FIRE EXTINGUISHERS.

4-LC09-LS100-REV02

## 3 2009 ICC A117.1 ACCESSIBILITY MANEUVERING CLEARANCES

*SEE SHEET G002 FOR GENERAL ACCESSIBILITY INFORMATION










3-LC09-LS100-REV00

## 2 2018 IBC: SECTION 906 PORTABLE FIRE EXTINGUISHERS

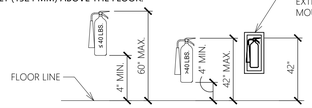
**[F] TABLE 906.3(1) FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARDS.**
MINIMUM RATED SINGLE FIRE EXTINGUISHER - SEE TABLE
MAXIMUM FLOOR AREAS - SEE TABLE
MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER = 75'-0"

**[F] 906.9 EXTINGUISHER INSTALLATION.**
THE INSTALLATION OF PORTABLE FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH SECTIONS 906.9.1 THROUGH 906.9.3.

**[F] 906.9.1EXTINGUISHERS WEIGHING 40 POUNDS OR LESS.**
PORTABLE FIRE EXTINGUISHERS HAVING A GROSS WEIGHT NOT EXCEEDING 40 POUNDS (18 KG) SHALL BE INSTALLED SO THAT THEIR TOPS ARE NOT MORE THAN 5 FEET (1524 MM) ABOVE THE FLOOR.

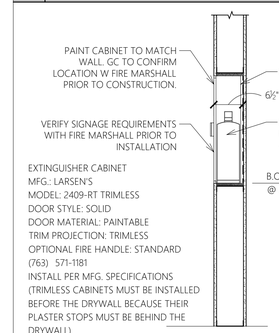
**[F] 906.9.2 EXTINGUISHERS WEIGHING MORE THAN 40 POUNDS.**
HAND-HELD PORTABLE FIRE EXTINGUISHERS HAVING A GROSS WEIGHT EXCEEDING 40 POUNDS (18 KG) SHALL BE INSTALLED SO THAT THEIR TOPS ARE NOT MORE THAN 3.5 FEET (1067 MM) ABOVE THE FLOOR.

**[F] 906.9.3 FLOOR CLEARANCE.**
THE CLEARANCE BETWEEN THE FLOOR AND THE BOTTOM OF INSTALLED HAND-HELD PORTABLE FIRE EXTINGUISHERS SHALL BE NOT LESS THAN 4 INCHES (102 MM).




2-LC09-LS100-REV00

## 1 RECESSED FIRE EXTINGUISHER CABINET



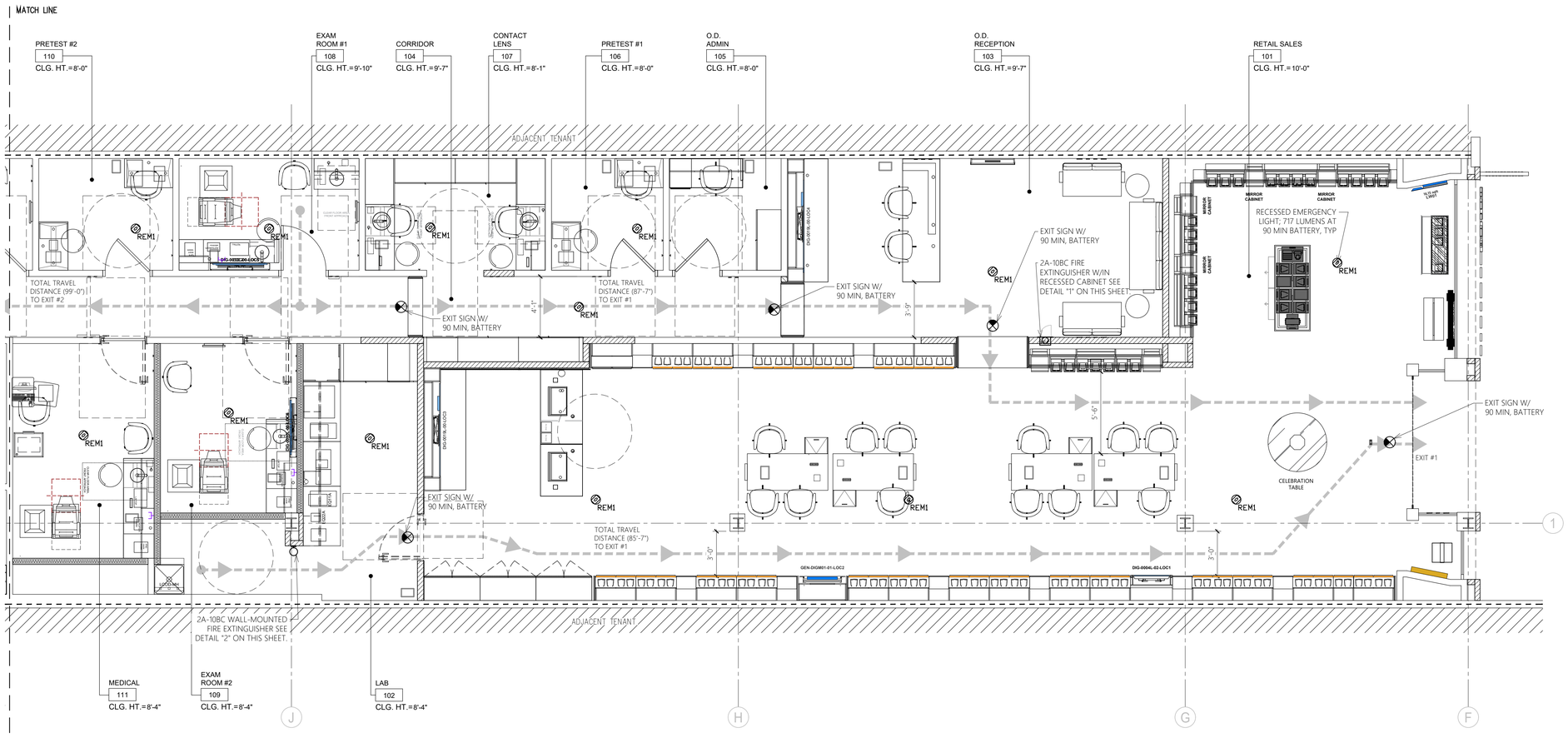

EXTINGUISHER CABINET
MFG.: LARSEN'S
MODEL: 2409-RT TRIMLESS
DOOR STYLE: SOLID
DOOR MATERIAL: PAINTABLE
TRIM PROJECTION: TRIMLESS
OPTIONAL FIRE HANDLE: STANDARD
(763) 571-1181
INSTALL PER MFG. SPECIFICATIONS
(TRIMLESS CABINETS MUST BE INSTALLED BEFORE THE DRYWALL BECAUSE THEIR PLASTER STOPS MUST BE BEHIND THE DRYWALL)

1-LC09-LS100-REV02

## 5 LEGEND

PATH/ DIRECTION OF EGRESS
1 HOUR RATED WALL
2 HOUR RATED WALL

5-LC09-LS100-REV02




## LIFE SAFETY PLAN

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

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

**Seal**

**Architect / Engineer Job No.:**
RT2025-0218

**EssilorLuxottica DD Set Layout No.:**
**14**

**EssilorLuxottica Project Number** 101399

**Brand Design Type:**
**LC09**

**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

**Sheet Name:**
LIFE SAFETY PLAN

**Date** 05/01/2026
**Drawn By** L.MITCHELL
**Checked By** J.MARJI

**Sheet No.:** LS100a

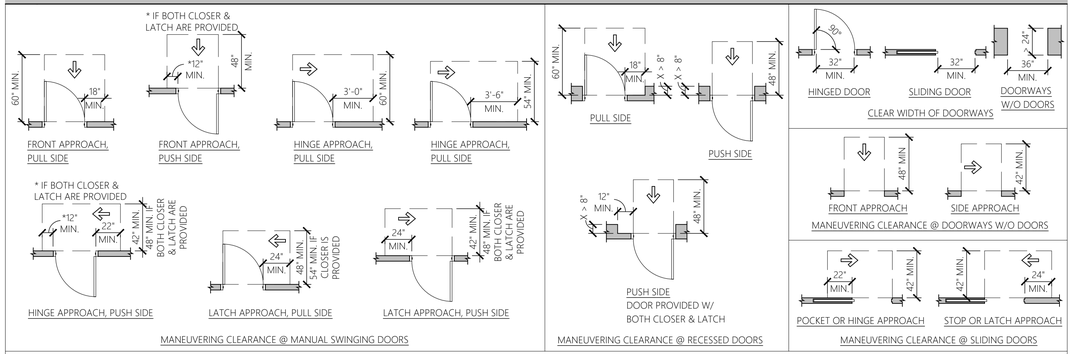
## 4 LIFE SAFETY NOTES

1. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS AT LOCATIONS SHOWN ON THE FLOOR PLAN. EXIT SIGNS SHALL HAVE A MAXIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND.
2. EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED BY TWO ELECTRIC LAMPS OR SHALL- BE OF APPROVED SELF-LUMINOUS TYPE. IF TWO LAMPS ARE USED, POWER SUPPLY TO ONE OF THE LAMPS SHALL BE PROVIDED BY THE PREMISES WIRING SYSTEM. POWER SUPPLY TO THE OTHER LAMP SHALL BE FROM STORAGE BATTERIES. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
3. EMERGENCY LIGHTING SHALL BE PROVIDED FROM AN EMERGENCY POWER SYSTEM AND SHALL PROVIDE A VALUE OF ONE FOOT CANDLE AT FLOOR LEVEL.
4. ALL DOORS TO BE OPERABLE IN THE DIRECTION OF EGRESS TRAVEL AT ALL TIMES.
5. FIRE MARSHAL TO DETERMINE FINAL QUANTITIES AND LOCATION OF FIRE EXTINGUISHERS.

4-LC09-LS100-REV02

## 3 2009 ICC A117.1 ACCESSIBILITY MANEUVERING CLEARANCES

*SEE SHEET G002 FOR GENERAL ACCESSIBILITY INFORMATION




3-LC09-LS100-REV00

## 2 2018 IBC: SECTION 906 PORTABLE FIRE EXTINGUISHERS

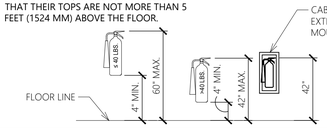
**[F] TABLE 906.3(1) FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARDS.**
MINIMUM RATED SINGLE FIRE EXTINGUISHER - SEE TABLE
MAXIMUM FLOOR AREAS - SEE TABLE
MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER = 75'-0"

**[F] 906.9 EXTINGUISHER INSTALLATION.**
THE INSTALLATION OF PORTABLE FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH SECTIONS 906.9.1 THROUGH 906.9.3.

**[F] 906.9.1EXTINGUISHERS WEIGHING 40 POUNDS OR LESS.**
PORTABLE FIRE EXTINGUISHERS HAVING A GROSS WEIGHT NOT EXCEEDING 40 POUNDS (18 KG) SHALL BE INSTALLED SO THAT THEIR TOPS ARE NOT MORE THAN 5 FEET (1524 MM) ABOVE THE FLOOR.

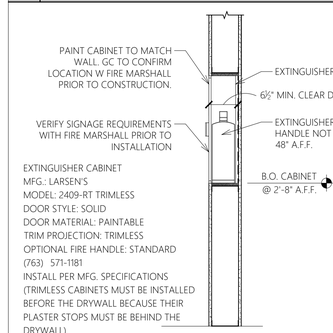
**[F] 906.9.2 EXTINGUISHERS WEIGHING MORE THAN 40 POUNDS.**
HAND-HELD PORTABLE FIRE EXTINGUISHERS HAVING A GROSS WEIGHT EXCEEDING 40 POUNDS (18 KG) SHALL BE INSTALLED SO THAT THEIR TOPS ARE NOT MORE THAN 3.5 FEET (1067 MM) ABOVE THE FLOOR.

**[F] 906.9.3 FLOOR CLEARANCE.**
THE CLEARANCE BETWEEN THE FLOOR AND THE BOTTOM OF INSTALLED HAND-HELD PORTABLE FIRE EXTINGUISHERS SHALL BE NOT LESS THAN 4 INCHES (102 MM).




2-LC09-LS100-REV00

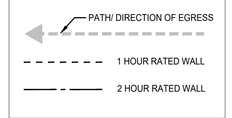
## 1 RECESSED FIRE EXTINGUISHER CABINET



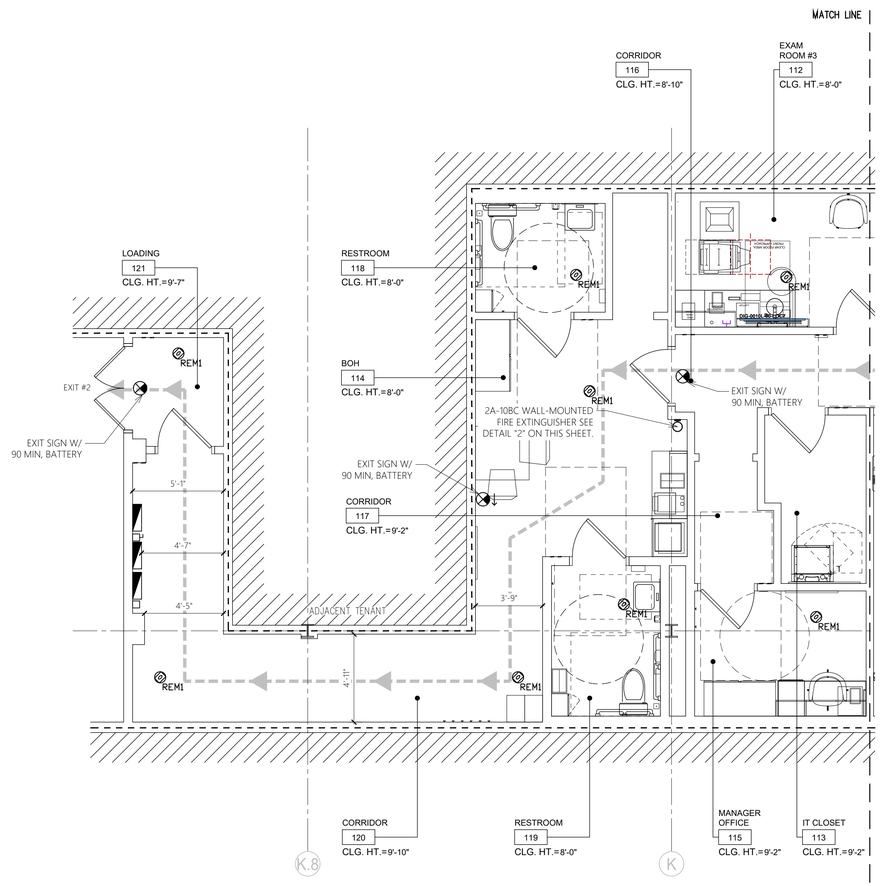

EXTINGUISHER CABINET
MFG.: LARSEN'S
MODEL: 2409-RT TRIMLESS
DOOR STYLE: SOLID
DOOR MATERIAL: PAINTABLE
TRIM PROJECTION: TRIMLESS
OPTIONAL FIRE HANDLE: STANDARD
(763) 571-1181
INSTALL PER MFG. SPECIFICATIONS
(TRIMLESS CABINETS MUST BE INSTALLED BEFORE THE DRYWALL BECAUSE THEIR PLASTER STOPS MUST BE BEHIND THE DRYWALL)

1-LC09-LS100-REV02

## 5 LEGEND




5-LC09-LS100-REV02




## LIFE SAFETY PLAN

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

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

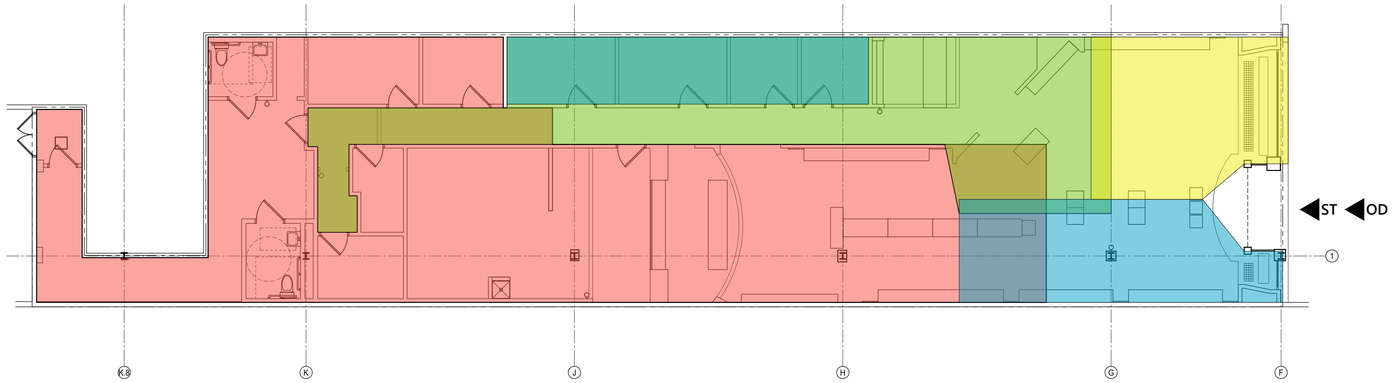
Brand Design Type:
**LC09**

**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name:
LIFE SAFETY PLAN

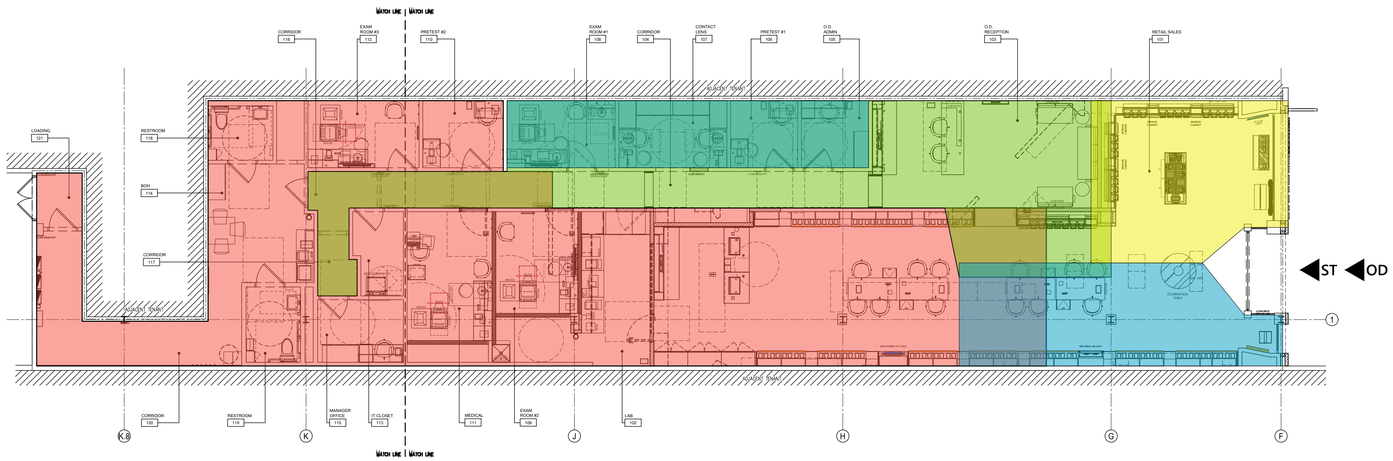
Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.:
LS100b




## 1 PHASING PLAN OVERLAY W/ EXISTING FIXTURE PLAN

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




## 2 PHASING PLAN OVERLAY W/ NEW FIXTURE PLAN

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

## 1 NOTES - PHASING & SCOPE

- ACCESS DOORS TO BE PROVIDED BY G.C. AS REQUIRED.
- G.C. IS RESPONSIBLE TO COORDINATE THE LOCATION OF THE INTERIOR BARRICADE (SEPARATING ALL PHASES) TO ALLOW PROPER INSTALLATION OF THE NEW FLOOR FINISH.
- THE PROPOSED PHASING LIMITS ARE SUGGESTIVE AND SUBJECT TO FINAL APPROVAL BY ESSILOR LUXOTTICA BASED ON THE G.C.'S RECOMMENDATIONS AND EXISTING SITE CONDITIONS.
- G.C. IS RESPONSIBLE TO PROVIDE A FULL PHASING PLAN INDICATING START DATE AND END DATE OF WORKS AND EXTENT OF BARRICADED AREA.
- ALL WORKS AFFECTING MERCHANDISING MUST BE ESTABLISHED AT THE BEGINNING OF THE WORK AND COMMUNICATED TO ESSILOR LUXOTTICA PM PRIOR TO THE START OF WORKS.
- G.C. IS RESPONSIBLE FOR THE PLANNING AND EXECUTION OF THE MEP WORK ACCORDING TO THE PHASING SEQUENCE.

## 2 LEGEND

STOREFRONT ENTRANCE — ST

OD ENTRANCE — OD

ZONE OF INTERVENTION

PHASE 1

PHASE 2

PHASE 3

PHASE 4

## 3 CONSTRUCTION TIMELINE

| | CONSTRUCTION DURATION (WEEKS) | CONSTRUCTION DARK DAYS (DAYS) |
|---|---|---|
| PHASE 1 | 6 | 2 |
| PHASE 2 | 2 | OD - 16<br>RETAIL - 3 |
| PHASE 3 | 3 | 2 |
| PHASE 4 | 4 (3+1) | RETAIL - 2<br>OD+RETAIL - 6 |
| TOTAL | 15 (14+1) | OD - 26*<br>RETAIL - 15** |

*16 DAYS LONG DARK PH2 + 6 DAYS LONG DARK PH4
**6 DAYS LONG DARK PH4

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

STORE #518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

EssilorLuxottica Project Number 101399

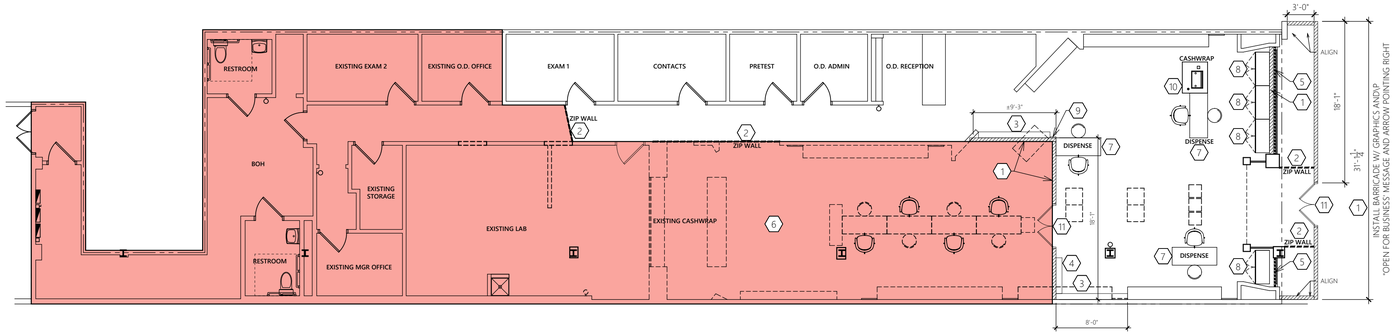
Brand Design Type:
LC09

ISSUED FOR:
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name:
PHASING STRATEGY

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

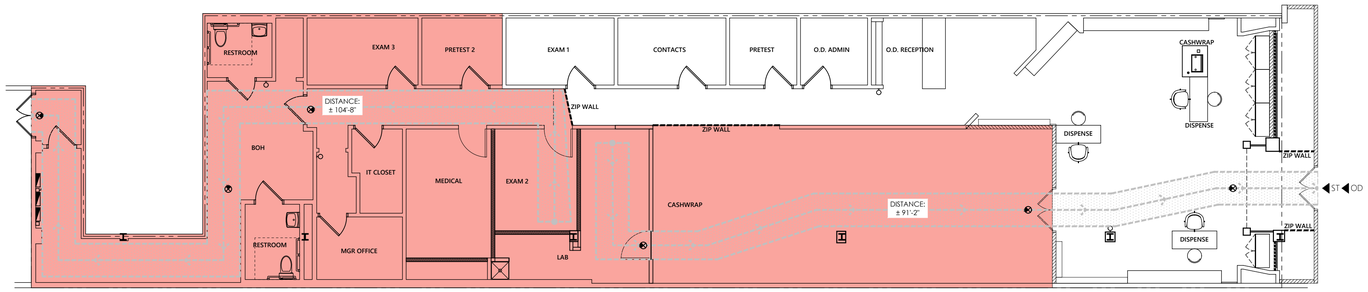
Sheet No.:
PH001




## 1 PHASE 1: RETAIL PREP/DEMOLITION

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

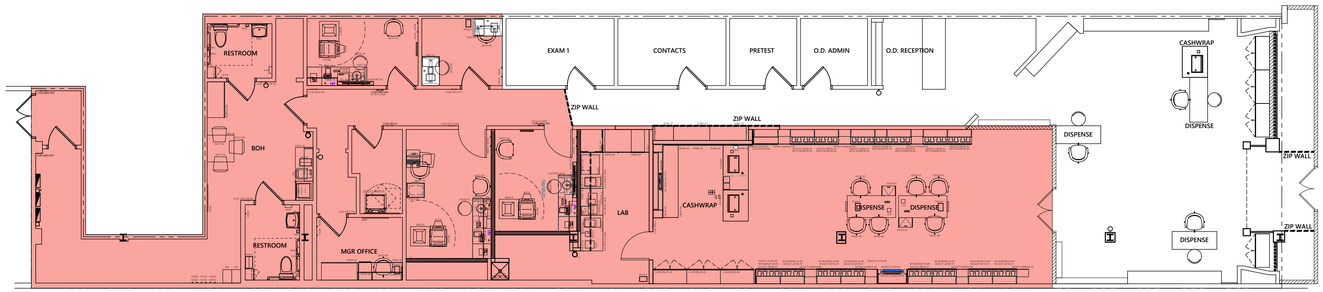
EMERGENCY LIGHTING & EXIT SIGNS:
EXISTING EMERGENCY LIGHTING AND EXIT SIGNS TO BE FOR PORTION OF STORE TO REMAIN OPEN. IF EXISTING EMERGENCY LIGHTING IS NOT FUNCTIONAL OR MISSING, INSTALL TEMPORARY EMERGENCY LIGHTING AS PER PLAN.




## 2 PHASE 1: CONSTRUCTION PLAN

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

NOTE:
REFER TO PAGE A102, LS100 AND ELECTRICAL PLANS FOR EMERGENCY LIGHTING AND EXIT SIGNS FINAL LOCATION.




## 3 PHASE 1: FINAL

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

## 1 NOTES: RETAIL PREP

- REMOVAL OF LAB EQUIPMENT TO OCCUR ONE WEEK PRIOR TO CONSTRUCTION START.
- GC TO MOBILIZE SUNDAY EVENING, AND CONSTRUCT BARRICADE.
- REMOVE OR RELOCATE FIXTURES AND INSTALL TEMP UNITS.
- SET UP RETAIL STORAGE.
- OD TEAM TO MOVE JETERS TO DESIGNATED STORAGE AREA.
- MOVE BOH ITEMS TO TEMP STORAGE.
- G.C. TO INSTALL NEW DISPENSE STATIONS.
- G.C. TO PROVIDE AT PHASE 1 START:
  - •• FOUR TEMP STORAGE CABINETS.
  - •• ONE WALL MIRROR.
  - •• TWO 8' AND ONE 4' SLAT PANELS.
  - ••• 100 ACRYLIC SHELVES 24"L X 6"D EA
  - •••• OR 200 SHELVES 12"L X 6"D EA
  - •••• IF 24X6 SHELVES ARE NOT AVAILABLE, THEN 90 SHELVES 12"L X 6"D REQUIRED PER 8' PANEL

RETAIL PREP TOTAL DARK DAYS: 2

## 2 NOTES: DEMOLITION

- MAINTAIN NEGATIVE AIR PRESSURE DURING DEMO.
- ACTIVELY PREVENT DUST AND DEBRIS FROM ENTERING OCCUPIED SPACES.
- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM.
- GC TO AVOID ANY NOISEY WORK DURING BUSINESS HOURS.
- DEMO ITEMS SHOWN HATCHED WITHIN PHASE ONE AREA

PHASE ONE TOTAL DARK DAYS: 0

## 3 NOTES: CONSTRUCTION

- ACTIVELY PREVENT DUST AND DEBRIS FROM ENTERING OCCUPIED SPACES.
- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- FOLLOW PROJECT SCHEDULE.
- PHASE 1 INCLUDES AS MUCH OF HVAC SCOPE AS POSSIBLE. INSTALL AT LEAST 1 RTU DURING PHASE 1. RTU INSTALL TO OCCUR DURING DARK DAYS.

## 4 NOTES: FINISH

- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- FOLLOW PROJECT SCHEDULE
- MOVE OD AND JETERS
- CLEAN FINISHED AREAS THOROUGHLY

## A NOTES - PHASING & SCOPE

- ACCESS DOORS TO BE PROVIDED BY G.C. AS REQUIRED.
- G.C. IS RESPONSIBLE TO COORDINATE THE LOCATION OF THE INTERIOR BARRICADE (SEPARATING PHASES) TO ALLOW PROPER INSTALLATION OF THE NEW FLOOR FINISH.
- THE PROPOSED PHASING LIMITS ARE SUGGESTIVE AND SUBJECT TO FINAL APPROVAL BY ESSILOR LUXOTTICA BASED ON THE G.C.'S RECOMMENDATIONS AND EXISTING SITE CONDITIONS.
- G.C. IS RESPONSIBLE TO PROVIDE A FULL PHASING PLAN INDICATING START DATE AND END DATE OF WORKS AND EXTENT OF BARRICADED AREA.
- ALL WORKS AFFECTING MERCHANDISING MUST BE ESTABLISHED AT THE BEGINNING OF THE WORK AND COMMUNICATED TO ESSILOR LUXOTTICA PM PRIOR TO THE START OF WORKS.
- G.C. IS RESPONSIBLE FOR THE PLANNING AND EXECUTION OF THE MEP WORK ACCORDING TO THE PHASING SEQUENCE. ALL CONTRACTORS TO COORDINATE THEIR RESPECTIVE SCOPE BASED ON THESE PLANS. LIFE SAFETY EQUIPMENT TO BE PROVIDED, AS REQUIRED.
- G.C. TO INSTALL FINAL SIGNAGE ONCE PHASE 4 IS COMPLETED.
- G.C. TO ENSURE MAIN ENTRANCE AT STOREFRONT TO BE ACCESSIBLE AND NOT OBSTRUCTED DURING EACH PHASE.
- NEW EMERGENCY LIGHTING PER ELECTRICAL FITOUT DRAWINGS.
- NEW EXIT SIGN PER ELECTRICAL FITOUT DRAWINGS.
- PROVIDE TEMPORARY EXIT LIGHTS AS SHOWN. G.C. TO COORDINATE EXIT LIGHTS ON SITE AND WITH ESSILOR LUXOTTICA. WHEN EACH PHASE IS COMPLETE, NEW EMERGENCY LIGHTING TO BE USED. AT END OF PHASE, SALVAGE FOR USE IN NEXT PHASE.

## B KEY NOTES (#)

1. G.C. TO ENCLOSE AREA IN A HARD GYPSUM BD BARRICADE. SEE SIM. DETAIL 2/A400 FOR CONSTRUCTION (UN-TAPED DRYWALL INTERIOR BARRICADE).
2. INSTALL TEMPORARY ZIP WALL FOR ACCESS TO WORK AREA.
3. INSTALL 8' TEMPORARY FIXTURE DISPLAY UNIT.
4. INSTALL 4' TEMPORARY FIXTURE DISPLAY UNIT.
5. INSTALL STOREFRONT BLACKOUT VINYL.
6. COMMENCE DEMOLITION AT THE HIGHLIGHTED AREA OF THE FLOOR PLAN.
7. RELOCATE DISPENSING TABLES TO TEMP LOCATION. PROVIDE ALL REQUIRED TEMP POWER AND DATA VIA POWER POLES. MATCH EXISTING DISPENSING TABLE POWER REQUIREMENTS.
8. INSTALL TEMPORARY STORAGE CABINET.
9. INSTALL WALL MIRROR.
10. INSTALL TEMPORARY SINGLE CASH DESK FROM INVENTORY. PROVIDE TEMP POWER/DATA VIA POWER POLES TO MATCH ORIGINAL LOCATION. RELOCATE FAX LINE AS REQUIRED.
11. INSTALL BARRICADE DOOR FOR CONSTRUCTION ACCESS.

## C LEGEND

A. ZONE OF INTERVENTION

B. PATH OF EGRESS

STOREFRONT ENTRANCE ◀ ST

OD ENTRANCE ◀ OD

**PHASE 1**
**DURATION: 6 WEEKS**
**DARK DAYS: 2**
**1 DARK DAY CONST/OPERATIONAL**
**1 DARK DAY OPERATIONAL**

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

**Seal**

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

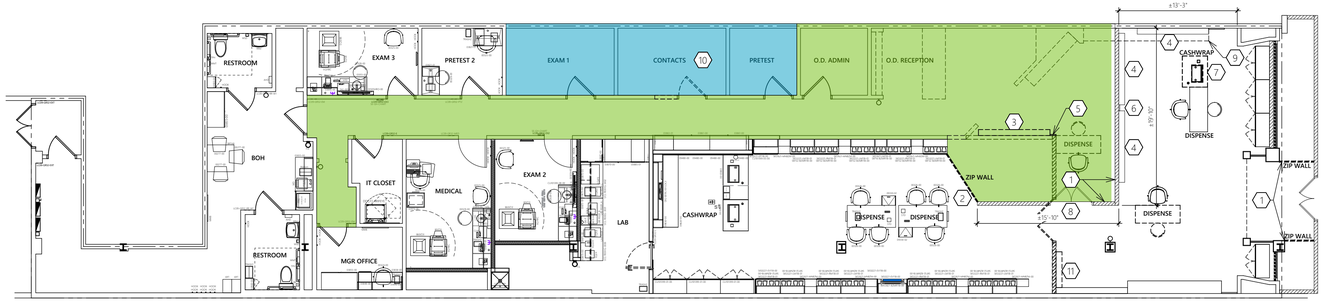
Brand Design Type:
**LC09**

**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name:
PHASING PLANS
PHASE 1

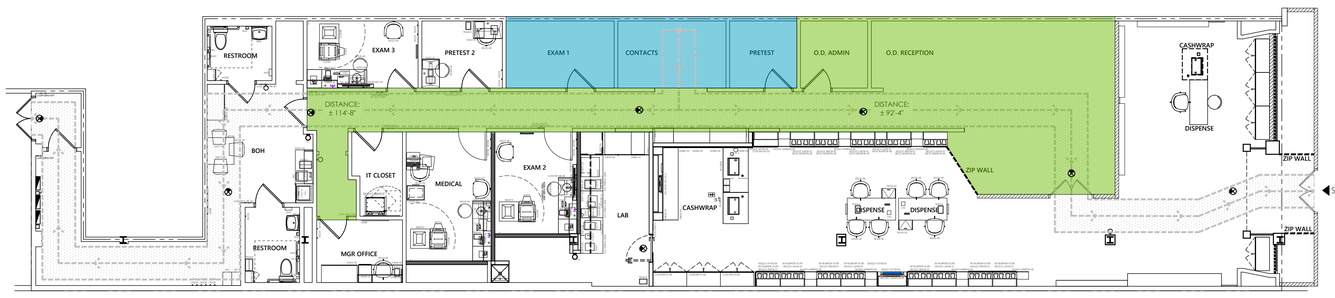
Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.:
PH100




## 1 PHASE 2: DEMOLITION PLAN (O.D. CLOSED)

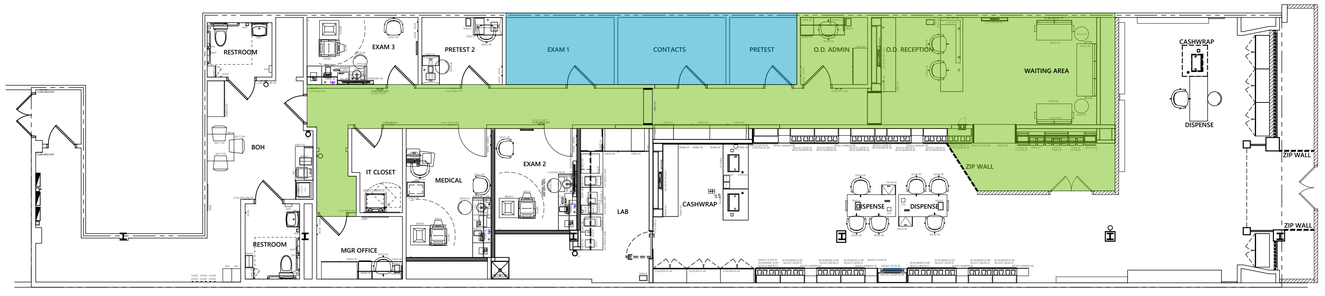
SCALE: 1/8"=1'-0"




## 2 PHASE 2: CONSTRUCTION PLAN (O.D. CLOSED)

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

NOTE:
REFER TO PAGE A102, LS100 AND ELECTRICAL PLANS FOR EMERGENCY LIGHTING AND EXIT SIGNS FINAL LOCATION.




## 3 PHASE 2: FINAL (O.D. CLOSED)

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

## 1 NOTES: DEMO.

- MAINTAIN NEGATIVE AIR PRESSURE DURING DEMO.
- ACTIVELY PREVENT DUST AND DEBRIS FROM ENTERING OCCUPIED SPACES.
- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- G.C. TO PROVIDE AT PHASE 2 START:
  - •• TWO ADDITIONAL 8' SLAT PANELS.
  - •• 80 ADDITIONAL ACRYLIC SHELVES 24"L X 6"D EA
  - ••• OR: 160 SHELVES 12"L X 6"D EA
  - •• IF 24X6 SHELVES ARE NOT AVAILABLE, THEN 80 SHELVES 12'L X 6'D REQUIRED PER 8' PANEL
  - •• ONE 8' SLAT PANEL RELOCATED.
  - •• 40 ACRYLIC SHELVES RELOCATED.
  - •• ONE WALL MIRROR RELOCATED.

PHASE TWO TOTAL DARK DAYS: 16 DAYS LONG O.D.
3 DAYS LONG RETAIL

## 2 NOTES: CONSTR.

- ACTIVELY PREVENT DUST AND DEBRIS FROM ENTERING OCCUPIED SPACES.
- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- FOLLOW PROJECT SCHEDULE.

## 3 NOTES: FINISH

- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- FOLLOW PROJECT SCHEDULE
- CLEAN FINISHED AREAS THOROUGHLY

DARK TURNOVER NOTES:
- GC TO RESET BARRICADE AND FIXTURES.
- GC TO CLEAN AFTER FIXTURES ARE INSTALLED
- IT TECH TO INSTALL MONITORS AND / OR RELOCATE NETWORK DEVICES
- OD TECH TO INSTALL / RELOCATE EQUIPMENT AS NEEDED
- STORE TEAM TO MERCHANDISE

**PHASE 2**
**DURATION: 2 WEEKS**
**OD DARK DAYS: 16**
**1 DARK DAY OD MOVE OUT (TECH RACK MOVE)**
**13 DARK DAYS OD CONSTRUCTION**
**+2 DARK DAYS OD MOVE IN (LISTED AT PH3 START)**
**RETAIL DARK DAYS: 3**
**1 DARK DAY CONSTRUCTION (TECH RACK MOVE)**
**2 DARK DAYS OPERATIONAL**

## A NOTES - PHASING & SCOPE

- ACCESS DOORS TO BE PROVIDED BY G.C. AS REQUIRED.
- G.C. IS RESPONSIBLE TO COORDINATE THE LOCATION OF THE INTERIOR BARRICADE (SEPARATING PHASES) TO ALLOW PROPER INSTALLATION OF THE NEW FLOOR FINISH.
- THE PROPOSED PHASING LIMITS ARE SUGGESTIVE AND SUBJECT TO FINAL APPROVAL BY ESSILOR LUXOTTICA BASED ON THE G.C.'S RECOMMENDATIONS AND EXISTING SITE CONDITIONS.
- G.C. IS RESPONSIBLE TO PROVIDE A FULL PHASING PLAN INDICATING START DATE AND END DATE OF WORKS AND EXTENT OF BARRICADED AREA.
- ALL WORKS AFFECTING MERCHANDISING MUST BE ESTABLISHED AT THE BEGINNING OF THE WORK AND COMMUNICATED TO ESSILOR LUXOTTICA PM PRIOR TO THE START OF WORKS.
- G.C. IS RESPONSIBLE FOR THE PLANNING AND EXECUTION OF THE MEP WORK ACCORDING TO THE PHASING SEQUENCE. ALL CONTRACTORS TO COORDINATE THEIR RESPECTIVE SCOPE BASED ON THESE PLANS. LIFE SAFETY EQUIPMENT TO BE PROVIDED, AS REQUIRED.
- G.C. TO INSTALL FINAL SIGNAGE ONCE PHASE 4 IS COMPLETED.
- G.C. TO ENSURE MAIN ENTRANCE AT STOREFRONT TO BE ACCESSIBLE AND NOT OBSTRUCTED DURING EACH PHASE.
- NEW EMERGENCY LIGHTING PER ELECTRICAL FITOUT DRAWINGS.
- NEW EXIT SIGN PER ELECTRICAL FITOUT DRAWINGS.
- PROVIDE TEMPORARY EXIT LIGHTS AS SHOWN. G.C. TO COORDINATE EXIT LIGHTS ON SITE AND WITH ESSILOR LUXOTTICA, WHEN EACH PHASE IS COMPLETE, NEW EMERGENCY LIGHTING TO BE USED. AT END OF PHASE, SALVAGE FOR USE IN NEXT PHASE.

## B KEY NOTES (#)

1. G.C. TO ENCLOSE AREA IN A HARD GYPSUM BD BARRICADE. SEE SIM. DETAIL 2/A400 FOR CONSTRUCTION (UN-TAPED DRYWALL INTERIOR BARRICADE).
2. INSTALL TEMPORARY ZIP WALL FOR ACCESS TO WORK AREA.
3. SALVAGE AND RELOCATE 8' TEMPORARY FIXTURE DISPLAY UNIT.
4. INSTALL 8' TEMPORARY FIXTURE DISPLAY UNIT.
5. SALVAGE AND RELOCATE WALL MIRROR.
6. INSTALL WALL MIRROR.
7. G.C. OPTION: REMOVE TEMPORARY SINGLE CASH DESK, OR LEAVE IN SPACE UNUSED.
8. INSTALL BARRICADE DOOR FOR CONSTRUCTION ACCESS.
9. REMOVE MILLWORK AS SHOWN TO MAKE SPACE FOR BARRICADE AND SLAT PANELS.
10. G.C. TO DO DEMO/PREP WORK IN THIS AREA FOR PHASE 3.
11. SALVAGE 4' TEMPORARY FIXTURE DISPLAY UNIT FOR RELOCATION DURING PHASE 4. SEE PH103.

## C LEGEND

A. ZONE OF INTERVENTION

B. PATH OF EGRESS

STOREFRONT ENTRANCE ◀ ST

OD ENTRANCE ◀ OD

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

**Seal**

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

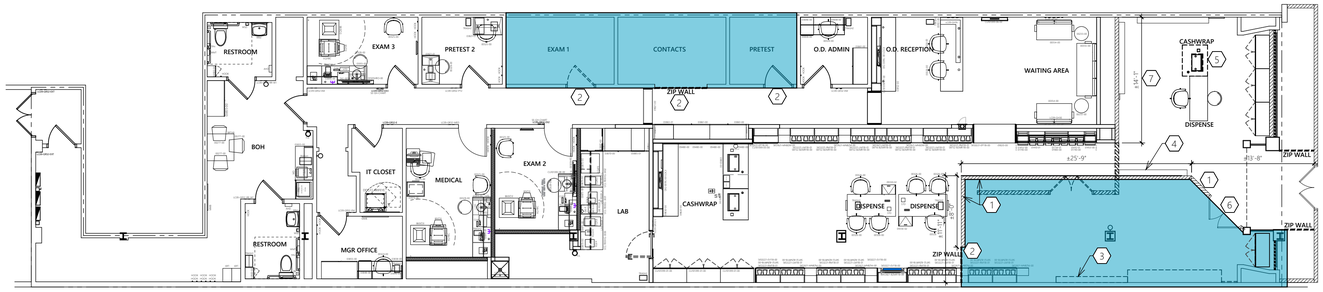
Brand Design Type: **LC09**

**ISSUED FOR:**
- ☐ 100% PRELIM
- ☒ 100% FINAL
- ☒ PERMIT
- ☐ CONSTRUCTION
- ☐ ADDENDUM
- ☐ BULLETIN

Sheet Name: PHASING PLANS PHASE 2

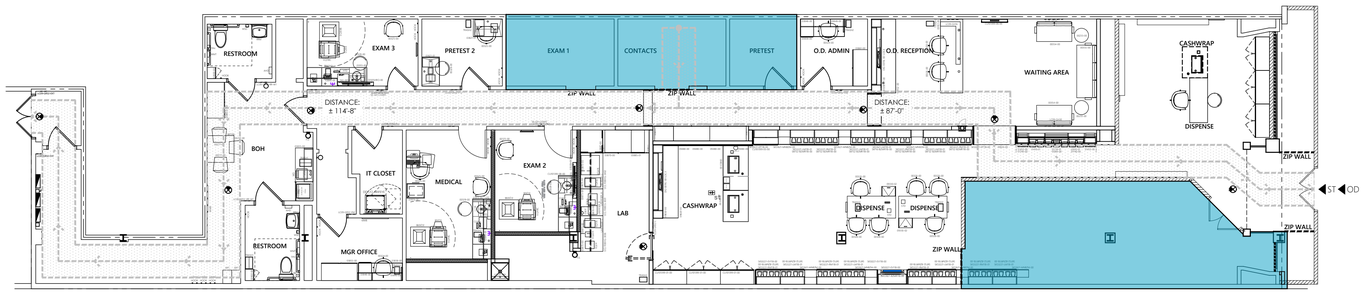
Date: 05/01/2026
Drawn By: L.MITCHELL
Checked By: J.MARJI

Sheet No.: PH101




## 1 PHASE 3: DEMOLITION PLAN

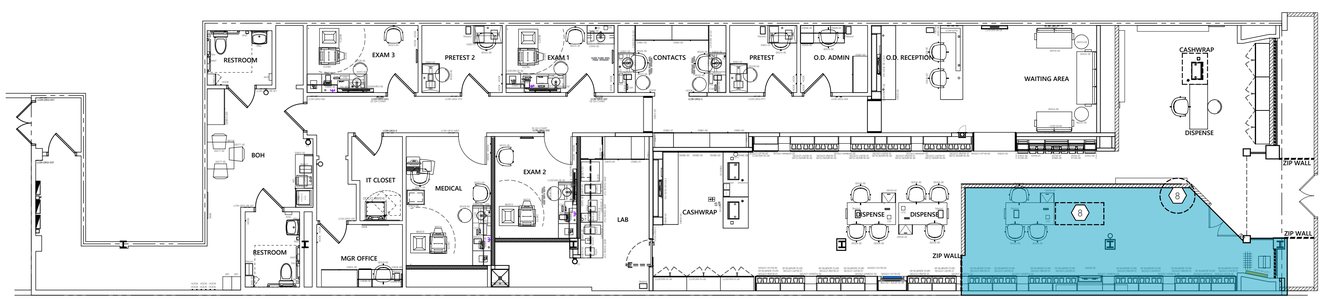
SCALE: 1/8"=1'-0"




## 2 PHASE 3: CONSTRUCTION PLAN

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

NOTE:
REFER TO PAGE A102, LS100 AND ELECTRICAL PLANS FOR EMERGENCY LIGHTING AND EXIT SIGNS FINAL LOCATION.




## 3 PHASE 3: FINAL

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

## 1 NOTES: DEMO.

- ACTIVELY PREVENT DUST AND DEBRIS FROM ENTERING OCCUPIED SPACES.
- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- GC TO AVOID ANY NOISY WORK DURING BUSINESS HOURS.
- G.C. TO PROVIDE AT PHASE 3 START:
  - ONE 8' SLAT PANEL RELOCATED.
  - 40 ACRYLIC SHELVES RELOCATED

PHASE THREE TOTAL DARK DAYS: 2

## 2 NOTES: CONSTR.

- ACTIVELY PREVENT DUST AND DEBRIS FROM ENTERING OCCUPIED SPACES.
- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- FOLLOW PROJECT SCHEDULE.

## 3 NOTES: FINISH

- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- FOLLOW PROJECT SCHEDULE
- CLEAN FINISHED AREAS THOROUGHLY

DARK TURNOVER NOTES:

- NEXT PHASE TO BE DARK
- STORE TEAM TO DE-MERCHANDISE AS NEEDED
- GC TO CLEAN STORE THOROUGHLY BEFORE TURNOVER

## A NOTES - PHASING & SCOPE

- ACCESS DOORS TO BE PROVIDED BY G.C. AS REQUIRED.
- G.C. IS RESPONSIBLE TO COORDINATE THE LOCATION OF THE INTERIOR BARRICADE (SEPARATING PHASES) TO ALLOW PROPER INSTALLATION OF THE NEW FLOOR FINISH.
- THE PROPOSED PHASING LIMITS ARE SUGGESTIVE AND SUBJECT TO FINAL APPROVAL BY ESSILOR LUXOTTICA BASED ON THE G.C.'S RECOMMENDATIONS AND EXISTING SITE CONDITIONS.
- G.C. IS RESPONSIBLE TO PROVIDE A FULL PHASING PLAN INDICATING START DATE AND END DATE OF WORKS AND EXTENT OF BARRICADED AREA.
- ALL WORKS AFFECTING MERCHANDISING MUST BE ESTABLISHED AT THE BEGINNING OF THE WORK AND COMMUNICATED TO ESSILOR LUXOTTICA PM PRIOR TO THE START OF WORKS.
- G.C. IS RESPONSIBLE FOR THE PLANNING AND EXECUTION OF THE MEP WORK ACCORDING TO THE PHASING SEQUENCE. ALL CONTRACTORS TO COORDINATE THEIR RESPECTIVE SCOPE BASED ON THESE PLANS. LIFE SAFETY EQUIPMENT TO BE PROVIDED, AS REQUIRED.
- G.C. TO INSTALL FINAL SIGNAGE ONCE PHASE 4 IS COMPLETED.
- G.C. TO ENSURE MAIN ENTRANCE AT STOREFRONT TO BE ACCESSIBLE AND NOT OBSTRUCTED DURING EACH PHASE.
- NEW EMERGENCY LIGHTING PER ELECTRICAL FITOUT DRAWINGS.
- NEW EXIT SIGN PER ELECTRICAL FITOUT DRAWINGS.
- PROVIDE TEMPORARY EXIT LIGHTS AS SHOWN. G.C. TO COORDINATE EXIT LIGHTS ON SITE AND WITH ESSILOR LUXOTTICA, WHEN EACH PHASE IS COMPLETE, NEW EMERGENCY LIGHTING TO BE USED, AT END OF PHASE, SALVAGE FOR USE IN NEXT PHASE.

## B KEY NOTES

1. G.C. TO ENCLOSE AREA IN A HARD GYPSUM 8D BARRICADE. SEE SIM. DETAIL 2/A400 FOR CONSTRUCTION (UN-TAPED DRYWALL INTERIOR BARRICADE).
2. INSTALL TEMPORARY ZIP WALL FOR ACCESS TO WORK AREA. AT ROOMS WITH DOORS, KEEP CLOSED AFTER DOORS ARE INSTALLED.
3. SALVAGE AND RELOCATE 8' TEMPORARY FIXTURE DISPLAY UNIT. SEE LAYOUT '3' THIS SHEET.
4. INSTALL 8' TEMPORARY FIXTURE DISPLAY UNIT.
5. G.C. OPTION: REMOVE TEMPORARY SINGLE CASH DESK, OR LEAVE IN SPACE UNUSED.
6. INSTALL BARRICADE DOOR FOR CONSTRUCTION ACCESS.
7. PORTION OF PREVIOUS BARRICADE TO REMAIN.
8. FIRST DISPENSE STATION AND ROUND TABLE TO BE INSTALLED AFTER PHASE 4 IS COMPLETE.

## C LEGEND

A. ZONE OF INTERVENTION

B. PATH OF EGRESS

STOREFRONT ENTRANCE ◀ST

OD ENTRANCE ◀OD

**PHASE 3**
**DURATION: 3 WEEKS**
**DARK DAYS: 2**
**1 DARK DAY CONST/OPERATIONAL**
**1 DARK DAY OPERATIONAL**

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

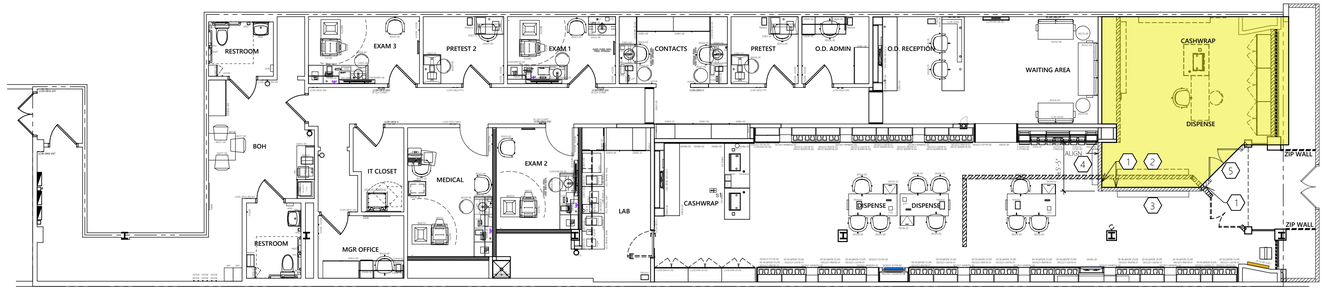
**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name:
PHASING PLANS
PHASE 3

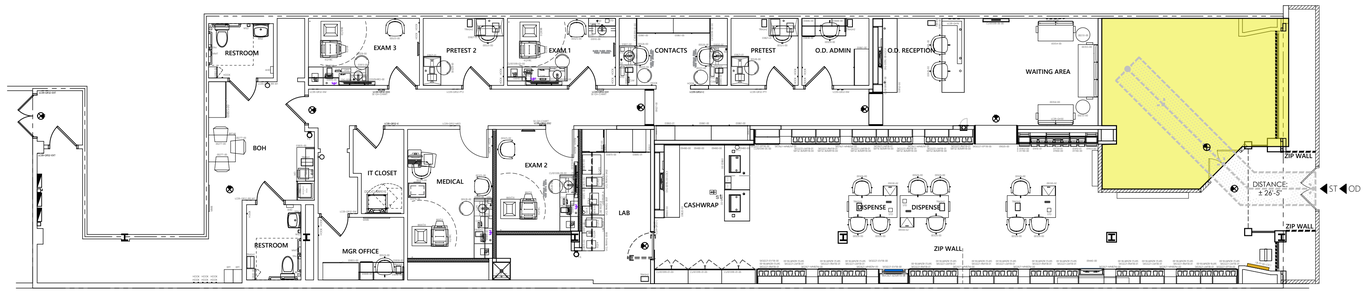
Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.:
PH102



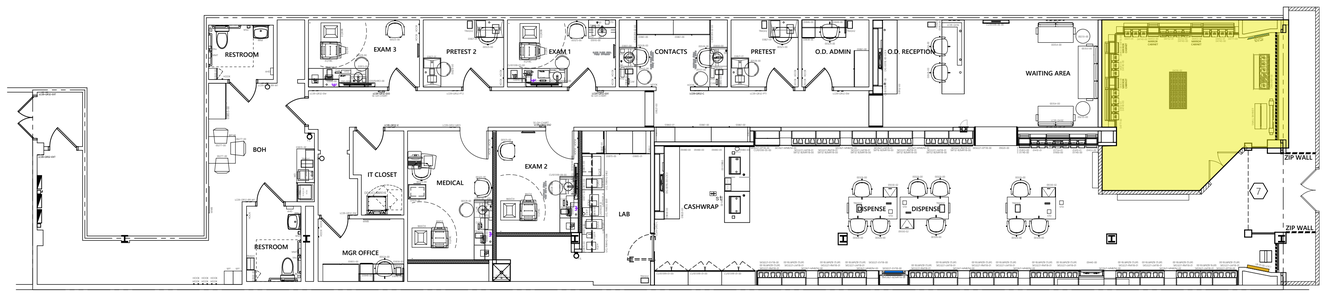

## 1 PHASE 4: DEMOLITION PLAN

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



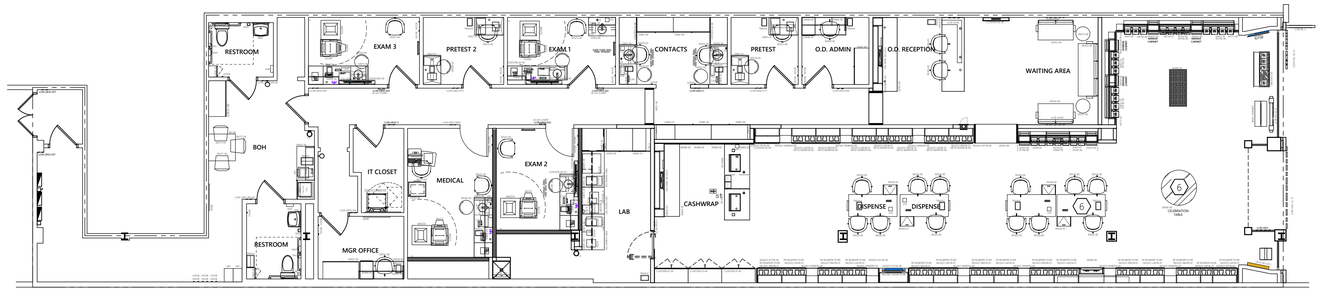

## 2 PHASE 4: CONSTRUCTION PLAN

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




## 3 PHASE 4: FINAL

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




## 4 OPEN: STOREFRONT COMPLETE

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

## 1 NOTES: DEMO.

- ACTIVELY PREVENT DUST AND DEBRIS FROM ENTERING OCCUPIED SPACES.
- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- GC TO AVOID ANY NOISY WORK DURING BUSINESS HOURS.
- G.C. TO PROVIDE AT PHASE 4 START:
  - ONE 8' SLAT PANEL RELOCATED.
  - ONE 4' SLAT PANEL RELOCATED.
  - 60 ACRYLIC SHELVES RELOCATED

PHASE FOUR TOTAL DARK DAYS: 8 (2 + 6 DAYS LONG DARK)

## 2 NOTES: CONSTR.

- ACTIVELY PREVENT DUST AND DEBRIS FROM ENTERING OCCUPIED SPACES.
- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- FOLLOW PROJECT SCHEDULE.

## 3 NOTES: FINISH

- COMMUNICATE ANY ISSUES TO ESSILOR LUXOTTICA PM
- CLEAN FINISHED AREAS THOROUGHLY

DARK TURNOVER NOTES:

- FINISH STOREFRONT
- SET REMAINING FIXTURES
- INSTALL SIGNS
- INSTALL REMAINDER OF MONITORS / LED WALLS
- STORE TEAM TO MERCHANDISE
- REMOVE ANY EXTERIOR BARRICADES
- GC TO CLEAN STORE THOROUGHLY BEFORE TURNOVER

## A NOTES - PHASING & SCOPE

- ACCESS DOORS TO BE PROVIDED BY G.C. AS REQUIRED.
- G.C. IS RESPONSIBLE TO COORDINATE THE LOCATION OF THE INTERIOR BARRICADE (SEPARATING PHASES) TO ALLOW PROPER INSTALLATION OF THE NEW FLOOR FINISH.
- THE PROPOSED PHASING LIMITS ARE SUGGESTIVE AND SUBJECT TO FINAL APPROVAL BY ESSILOR LUXOTTICA BASED ON THE G.C.'S RECOMMENDATIONS AND EXISTING SITE CONDITIONS.
- G.C. IS RESPONSIBLE TO PROVIDE A FULL PHASING PLAN INDICATING START DATE AND END DATE OF WORKS AND EXTENT OF BARRICADED AREA.
- ALL WORKS AFFECTING MERCHANDISING MUST BE ESTABLISHED AT THE BEGINNING OF THE WORK AND COMMUNICATED TO ESSILOR LUXOTTICA PM PRIOR TO THE START OF WORKS.
- G.C. IS RESPONSIBLE FOR THE PLANNING AND EXECUTION OF THE MEP WORK ACCORDING TO THE PHASING SEQUENCE. ALL CONTRACTORS TO COORDINATE THEIR RESPECTIVE SCOPE BASED ON THESE PLANS. LIFE SAFETY EQUIPMENT TO BE PROVIDED, AS REQUIRED.
- G.C. TO INSTALL FINAL SIGNAGE ONCE PHASE 4 IS COMPLETED.
- G.C. TO ENSURE MAIN ENTRANCE AT STOREFRONT TO BE ACCESSIBLE AND NOT OBSTRUCTED DURING EACH PHASE.
- NEW EMERGENCY LIGHTING PER ELECTRICAL FITOUT DRAWINGS.
- NEW EXIT SIGN PER ELECTRICAL FITOUT DRAWINGS.
- PROVIDE TEMPORARY EXIT LIGHTS AS SHOWN. G.C. TO COORDINATE EXIT LIGHTS ON SITE AND WITH ESSILOR LUXOTTICA. WHEN EACH PHASE IS COMPLETE, NEW EMERGENCY LIGHTING TO BE USED. AT END OF PHASE, SALVAGE FOR USE IN NEXT PHASE.

## B KEY NOTES (7)

1. G.C. TO ENCLOSE AREA IN A HARD GYPSUM BD BARRICADE. SEE SIM. DETAIL 2/A400 FOR CONSTRUCTION (UN-TAPED DRYWALL INTERIOR BARRICADE).
2. SALVAGE AND RELOCATE 8' TEMPORARY FIXTURE DISPLAY UNIT.
3. INSTALL 8' TEMPORARY FIXTURE DISPLAY UNIT.
4. INSTALL PREVIOUSLY SALVAGED 4' TEMPORARY FIXTURE DISPLAY UNIT.
5. INSTALL BARRICADE DOOR FOR CONSTRUCTION ACCESS.
6. FIRST DISPENSE STATION AND ROUND TABLE TO BE INSTALLED AFTER PHASE 4 IS COMPLETE.
7. INSTALL QMI SECURITY GRILLE AT END OF PHASE 4 DARK DAYS, PRIOR TO TURNOVER/SET-DOWN WEEK.

## C LEGEND

A. ZONE OF INTERVENTION

B. PATH OF EGRESS

STOREFRONT ENTRANCE ◀ ST

OD ENTRANCE ◀ OD

**PHASE 4**
**DURATION: 3+1 WEEKS**
**W/6 DAYS LONG DARK**
**DARK DAYS: 2**
1 DARK DAY CONST/OPERATIONAL
1 DARK DAY OPERATIONAL
**+6 DAYS LONG DARK**
3 DARK DAYS CONST/OPERATIONAL
3 DARK DAYS TURNOVER/SET DOWN


DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name:

PHASING PLANS
PHASE 4

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.: PH103

## 3 DEMOLITION PLAN LEGEND

| | | | |
|---|---|---|---|
| LEASE LINE | | EXISTING WALLS | |
| CONSTRUCTION TO BE DEMOLISHED | | EXISTING FULL HEIGHT GLASS | |
| | | | |

3-LC09-AD101-REV00

## 4 BARRICADE NOTES

BARRICADE & BARRICADE GRAPHICS:

- BARRICADE GRAPHICS ARE TO BE PROVIDED AND INSTALLED BY THE TENANT UPON COMPLETION OF THE BARRICADE INSTALLATION, OR UPON FULL EXECUTION OF THE TENANT LEASE.
- BARRICADE GRAPHICS ARE TO BE SUBMITTED TO THE TENANT COORDINATOR FOR APPROVAL PRIOR TO INSTALLATION. ALL GRAPHICS ARE TO BE ORDERED THROUGH BOSTON BARRICADE.
- ANY REQUIRED BARRICADE AND OR GRAPHICS TO BE SUPPLIED BY VENDOR OTHER THAN BOSTON BARRICADE DUE TO LANDLORD REQUIREMENTS, SHALL BE COORDINATED, SUPPLIED, AND INSTALLED BY GENERAL CONTRACTOR.

4-LC09-AD101-REV00

## 5 BOSTON BARRICADE CONTACT

DEREK RUDASILL

BOSTON BARRICADE COMPANY, INC.
1151 19TH STREET
VERY BEACH, FL 32960
DIRECT: 772-257-7399
DRUDASILL@BOSTONRS.COM

LAUREN SMITH

BOSTON BARRICADE COMPANY, INC.
1151 19TH STREET
VERY BEACH, FL 32960
DIRECT: 772-257-7324
LSMITH@BOSTONRS.COM

5-LC09-AD101-REV05

## 2 DEMOLITION PLAN - KEY NOTES (#)

1. LEASE LINE, VIF; G.C. TO VERIFY ACTUAL MEASUREMENTS AND REPORT ANY DISCREPANCIES IMMEDIATELY.
2. EXISTING STOREFRONT GLAZING ASSEMBLY & FRAMING TO REMAIN. CLEAN AND RENDER TO "LIKE NEW".
3. REMOVE EXISTING STOREFRONT SIGNAGE; COORDINATE ELECTRICAL SERVICE W/ NEW STOREFRONT SIGNAGE. PATCH AND REPAIR STOREFRONT SUBSTRATE AS REQUIRED.
4. REMOVE EXISTING FLOORING AND BASE DOWN TO EXISTING CONCRETE SLAB. PATCH AND REPAIR SUB-FLOOR TO ORIGINAL CONDITION AND RE-SEAL ALL FLOOR PENETRATIONS. PREP FOR NEW FINISHES.
5. EXISTING DOOR, FRAME AND HARDWARE TO REMAIN. PREP FOR NEW FINISHES AS SCHEDULED.
6. EXISTING TOILET ROOM, FLOOR DRAIN, AND PLUMBING FIXTURES TO REMAIN. EXISTING ACCESSORIES AND FINISHES TO BE REMOVED. PREPARE ALL EXISTING SURFACES TO RECEIVE NEW FINISHES AS REQUIRED AND BRING TO A LEVEL 4 FINISH WHERE APPLICABLE.
7. EXISTING DOOR, FRAME AND HARDWARE TO BE REMOVED.
8. REMOVE EXISTING CASHWRAP, FLOOR CASEWORK, FURNITURE, AND ASSOCIATED ELECTRICAL & DATA HOOK-UP, EXISTING WIRING AND CONDUIT TO BE REWORKED AS REQUIRED FOR NEW MILLWORK. COORDINATE WITH ELECTRICAL.
9. NOT USED
10. EXISTING ELECTRICAL PANEL LOCATION. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION ON THE EXTENT OF DEMO AND NEW WORK.
11. EXISTING COLUMN AND SURROUND TO REMAIN. PATCH/REPAIR AS NECESSARY, KEEP INTACT ANY EXISTING FIRE RATINGS. GC TO VERIFY LOCATION AT START OF PROJECT AND REPORT DIMENSIONS TO ARCHITECT.
12. EXISTING PARTITIONS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED.
13. EXISTING DEMISING WALL TO REMAIN. PATCH/REPAIR AS REQUIRED TO BRING TO 'LIKE NEW' CONDITION, MAINTAIN EXISTING FIRE RATING IF APPLICABLE. PREPARE ALL EXISTING SURFACES TO RECEIVE NEW FINISHES AS REQUIRED AND BRING TO A LEVEL 4 FINISH WHERE WALL EXPOSED IN NEW LAYOUT.
14. EXISTING REAR DOOR TO REMAIN. CLEAN AND RENDER TO 'LIKE NEW'. INSPECT HARDWARE TO ENSURE IN GOOD AND WORKING CONDITION. COORDINATE WITH ESSILOR LUXOTTICA PM IF REPLACEMENT IS NECESSARY.
15. EXISTING PARTITION TO REMAIN. PATCH/REPAIR AT ANY DEMOLITION, MAINTAIN ANY EXISTING FIRE RATING. PREPARE ALL EXISTING SURFACES TO RECEIVE NEW FINISHES AS REQUIRED AND BRING TO A LEVEL 4 FINISH WHERE APPLICABLE.
16. EXISTING DOOR AND FRAME TO BE REMOVED. DOOR AND HARDWARE TO BE SALVAGED FOR REHANDING. FRAME TO BE DISCARDED.
17. EXISTING INTERIOR GLAZING AND FRAME TO BE REMOVED AND DISCARDED.
18. EXISTING STOREFRONT FINISHES SHALL BE REMOVED AND DISCARDED FOR NEW FINISHES. EXISTING SUBSTRATE AND FRAMING TO REMAIN. PATCH AND REPAIR AS REQUIRED.
19. EXISTING ROLLING GRILLE TO REMOVED AND DISCARDED.
20. CURVED PORTION OF EXISTING SOFFIT TO BE REMOVED AS HATCHED. REMAINDER OF SOFFIT TO REMAIN. PATCH AND REPAIR AS REQUIRED TO CREATE FLUSH SOFFIT. REFER TO A102.
21. EXISTING CEILINGS AND SOFFITS THROUGHOUT THE SPACE TO BE DEMOLISHED AND REMOVED, UNLESS NOTED OTHERWISE, INCLUDING ALL EXISTING LIGHTING, DIFFUSERS AND ALL OTHER CEILING RELATED ITEMS.
22. OPEN UP EXISTING WALLS TO ADD REQUIRED BLOCKING FOR TOILET ROOM ACCESSORY. PATCH AND REPAIR WALL TO LIKE NEW CONDITION AND PREP FOR NEW FINISHES, MAINTAIN ANY EXISTING RATINGS.
23. EXISTING RECESSED LIGHT COVES TO REMAIN.
24. MALL BULKHEAD ABOVE.
25. TRENCH FLOOR AS REQUIRED TO PROVIDE ELECTRICAL TO FLOOR-MOUNTED FIXTURES. KEEP TRENCHING AS MINIMAL AS POSSIBLE. REFER TO ELECTRICAL FOR EXTENTS AND REQUIREMENTS.
26. REMOVE EXISTING WATER HEATER IN ITS ENTIRETY. EXISTING PLUMBING TO BE REMOVED AND REROUTED TO NEW WATER HEATER LOCATION. COORDINATE WITH PLUMBING.
27. REMOVE EXISTING MOP SINK. EXISTING PLUMBING TO REMAIN AND BE REUSED WITH NEW MOP SINK. COORDINATE WITH PLUMBING.

2-LC09-AD101-REV02

## 1 GENERAL NOTES

A. G.C. IS RESPONSIBLE FOR ANY PREPARATION OF THE FLOOR SLAB AND PROCUREMENT OF MATERIALS REQUIRED AT THE ENTRANCE TO PRODUCE A FLUSH CONDITION BETWEEN THE STORE LEASE LINE AND THE EXISTING MALL FLOORING.

B. THE G.C. SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE PUBLIC AND/OR WORKMEN ON THE JOB AND TO PREVENT ACCIDENTS OR INJURY TO ANY PERSON ON, ABOUT, OR ADJACENT TO THE PREMISES. THE G.C. SHALL COMPLY WITH ALL LAWS, ORDINANCES, CODES, RULES AND REGULATIONS RELATIVE TO SAFETY AND THE PREVENTION OF ACCIDENTS.

C. THIS DEMOLITION PLAN IS TO BE USED IN CONJUNCTION WITH THE ENTIRE SET OF WORKING DRAWINGS. DO NOT REMOVE OR DEMOLISH ANYTHING WITHOUT VERIFYING AND COORDINATING WITH ALL GENERAL TRADES AS TO HOW THEY RELATE TO THE OVERALL PROJECT.

D. THE G.C. SHALL BE RESPONSIBLE FOR REMOVING OR DEMOLISHING EXISTING CONSTRUCTION WHICH WILL INTERFERE WITH THEIR NEW WORK AND ANY TEMPORARY BRACING OR PERMANENT SUPPORT STRUCTURES.

E. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND/OR SPRINKLER DRAWINGS FOR ANY ADDITIONAL DEMOLITION NOTES.

F. EXISTING EXPOSED CONCRETE THROUGHOUT. CAP EXISTING MECHANICAL, PLUMBING AND ELECTRICAL SERVICES FLUSH WITH EXISTING SLAB AS REQUIRED, TYPICAL THROUGHOUT, REFER TO RESPONSIBILITY SCHEDULE ON G002 AND SHEET A103 FOR FLOORING PREPARATION.

G. AT THE G.C.'S OPTION, DEMOLISH OR REMOVE MORE OR LESS EXISTING WORK, PROVIDED THAT SUCH VARIATION WILL EXPEDITE THE PROJECT AND NOT INCREASE THE EXPENSE TO THE OWNER OR VIOLATE ANY CODES. THESE OPTIONS SHALL BE SUBJECT TO THE ESSILOR LUXOTTICA'S PROJECT MANAGER'S APPROVAL.

H. COORDINATE ANY SYSTEMS SHUTDOWNS WITH LANDLORD & INCLUDE COSTS OF SHUTDOWN IN THE BID.

I. EXCEPT AS NOTED, G.C. SHALL INCLUDE COSTS TO CUT, PATCH AND/OR REPAIR EXISTING WORK AND EXISTING FACILITIES WHICH MAY BE DISTURBED DURING INSTALLATION OF NEW WORK IN BID PACKAGES.

J. IN ACCORDANCE WITH THE DRAWINGS, THOSE ITEMS WHICH ARE REMOVED, AND ARE NOT RELOCATED OR REUSED, SHALL BE DISPOSED OF BY THE G.C.

K. G.C. SHALL REMOVE EXISTING FINISHES FROM ALL EXISTING PARTITIONS TO REMAIN.

L. G.C. TO INSPECT ALL EXISTING WALLS TO REMAIN AND ENSURE THAT THEY ARE UP TO CURRENT SPECIFICATIONS AND BROUGHT TO A LEVEL 4 FINISH WHERE EXPOSED IN NEW LAYOUT.

M. GC SHALL REPAIR, AT THEIR OWN EXPENSE, ANY DAMAGE DONE TO THE OWNER'S PROPERTY, AND ANY OTHER PERSON OR PERSONS ON OR OFF THE PREMISES AS A RESULT OF THE GC'S WORK DEFINED HEREIN.

N. GC SHALL VERIFY WITH MALL OPERATIONS MANAGER IF FLOOR X-RAYS OR SLAB SCANS ARE REQUIRED, PRIOR TO BID.

O. ALL EXISTING AND NEW PENETRATIONS THROUGH RATED WALLS SHALL BE PROTECTED BY AN APPROVED FIRE STOP SYSTEM.

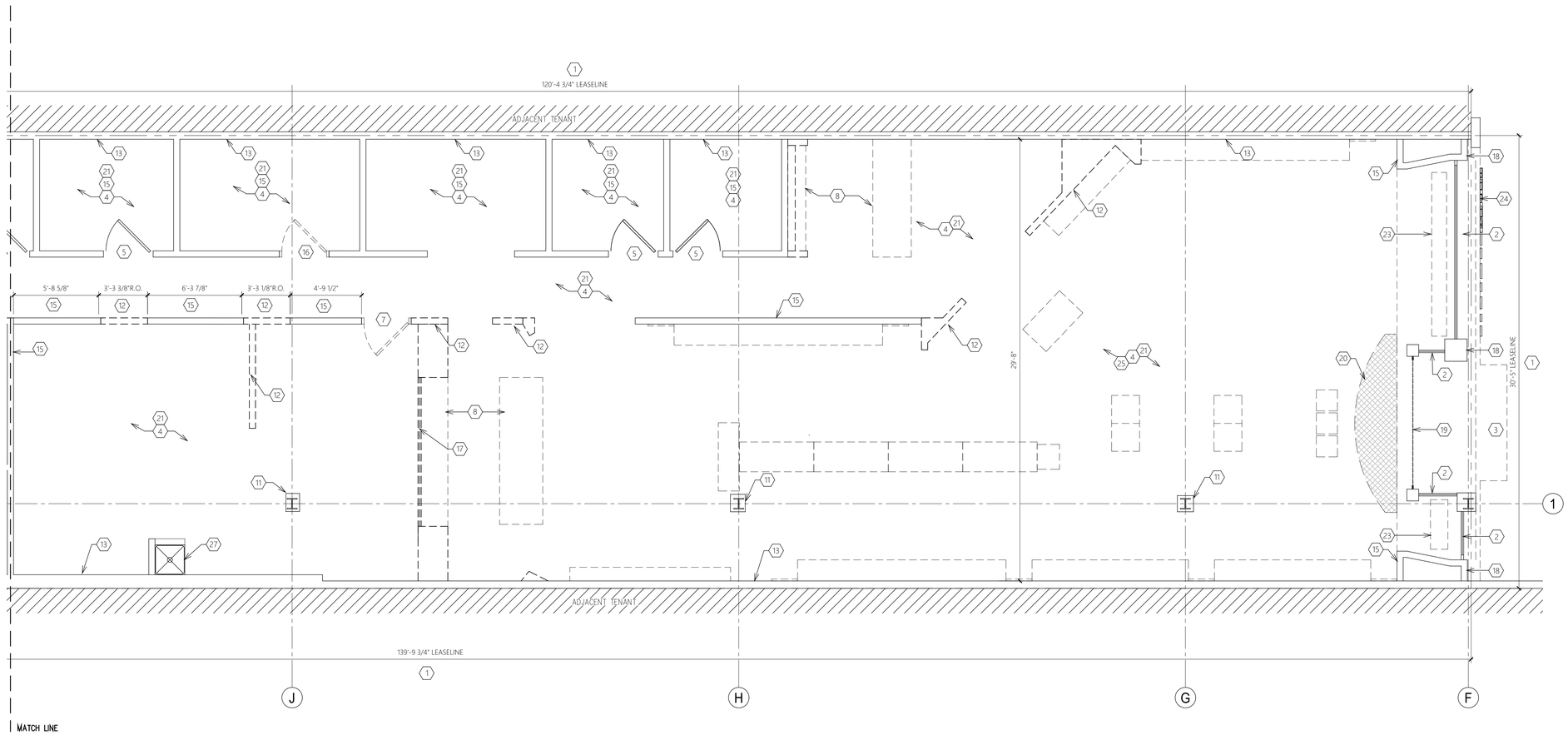
P. G.C. TO REPORT ACTUAL DIMENSIONS VS SHOWN DIMENSIONS TO PROJECT MANAGER PRIOR TO CONSTRUCTION LAYOUT.

Q. PATCH EXISTING CONCRETE AS REQUIRED. REFER TO DETAIL 5/A410 FOR SLAB POUR BACK DETAIL.

R. TEMPORARY BARRICADE
- TEMPORARY BARRICADE SHALL BE CONSTRUCTED PER LLD REQUIREMENTS: THE BARRICADE SHALL BE ENCLOSED AT THE TOP WITH 6 MILLIMETER OR THICKER PLASTIC SHEETING AND DUST-POOF WITH 6" VINYL COVE BASE. IF A DOOR IS LOCATED IN THE MIDDLE OF THE BARRICADE, THERE MUST ALSO BE A DOOR FRAME. CONSTRUCTION SHALL BE OF STUDS WITH TAPED, SPACKLED AND PAINTED GYPSUM BOARD TO THE PUBLIC SIDE. PAINT COLOR IS TO BE DETERMINED BY MALL MANAGEMENT. MALL GRAPHICS WILL BE INSTALLED BY LANDLORD AND SHALL BE REIMBURSED BY CONTRACTOR AT PRE-CONSTRUCTION MEETING. BARRICADE SHALL NOT EXTEND MORE THAN 3'-0" BEYOND THE LEASE LINE.
- TEMPORARY BARRICADE IS TO BE 100% COMPLETE AND READY FOR GRAPHICS TO BE INSTALLED NO MORE THAN (2) DAYS AFTER CONSTRUCTION START. G.C. TO CONTACT ESSILOR LUXOTTICA PROJECT MANAGER UPON COMPLETION TO COORDINATE GRAPHICS INSTALLATION. TEMPORARY BARRICADE MUST BE PRIMED AND PAINTED WITH (2) COATS OF EITHER EGGSHELL OR SEMI-GLOSS FINISH ONLY.
- GC IS RESPONSIBLE FOR MAINTAINING BARRICADE DURING CONSTRUCTION.
- REMOVE BARRICADE WHEN 100% OF STOREFRONT OR JOB IS COMPLETED ON THE EVENING BEFORE G.C.'S PUNCHLIST IS COMPLETED, PRIOR TO OWNER VERIFICATION, AND AFTER LLD APPROVAL IS RECEIVED. CARE IS TO BE TAKEN WHEN DISSEMBLING AND REMOVING BARRICADE, ON INTERIOR SIDE (STORE SIDE), PAPER WINDOWS WITH WHITE CONSTRUCTION PAPER OVER GLAZING ONLY. TRIM 1/2" OFF EDGES AND TAPE CONTINUOUSLY AROUND PERIMETER WITH WHITE TAPE. G.C. IS TO RESTORE NEUTRAL PIER(S), MALL FLOORING & BULKHEAD TO A LIKE NEW CONDITION AND FINISH WHERE APPLICABLE.

1-LC09-AD101-REV02

**DEMOLITION WORK TO BE PHASED. REFER TO PHASING PLANS FOR WHICH AREAS ARE DEMOLISHED DURING WHICH PHASE.**




## DEMOLITION PLAN

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

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number: 101399

Brand Design Type:
**LC09**

ISSUED FOR:

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name:
DEMOLITION PLAN

Date: 05/01/2026
Drawn By: L.MITCHELL
Checked By: J.MARJI

Sheet No.:
AD101a

## 3 DEMOLITION PLAN LEGEND

| | | | |
|---|---|---|---|
| —— · · · —— | LEASE LINE | ═══ | EXISTING WALLS |
| — — — — | CONSTRUCTION TO BE DEMOLISHED | ▬▬▬ | EXISTING FULL HEIGHT GLASS |
| | | | |

3-LC09-AD101-REV00

## 2 DEMOLITION PLAN - KEY NOTES

1. LEASE LINE, VIF; G.C. TO VERIFY ACTUAL MEASUREMENTS AND REPORT ANY DISCREPANCIES IMMEDIATELY.
2. EXISTING STOREFRONT GLAZING ASSEMBLY & FRAMING TO REMAIN. CLEAN AND RENDER TO "LIKE NEW".
3. REMOVE EXISTING STOREFRONT SIGNAGE; COORDINATE ELECTRICAL SERVICE W/ NEW STOREFRONT SIGNAGE. PATCH AND REPAIR STOREFRONT SUBSTRATE AS REQUIRED.
4. REMOVE EXISTING FLOORING AND BASE DOWN TO EXISTING CONCRETE SLAB. PATCH AND REPAIR SUB-FLOOR TO ORIGINAL CONDITION AND RE-SEAL ALL FLOOR PENETRATIONS. PREP FOR NEW FINISHES.
5. EXISTING DOOR, FRAME AND HARDWARE TO REMAIN. PREP FOR NEW FINISHES AS SCHEDULED.
6. EXISTING TOILET ROOM, FLOOR DRAIN, AND PLUMBING FIXTURES TO REMAIN. EXISTING ACCESSORIES AND FINISHES TO BE REMOVED. PREPARE ALL EXISTING SURFACES TO RECEIVE NEW FINISHES AS REQUIRED AND BRING TO A LEVEL 4 FINISH WHERE APPLICABLE.
7. EXISTING DOOR, FRAME AND HARDWARE TO BE REMOVED.
8. REMOVE EXISTING CASHWRAP, FLOOR CASEWORK, FURNITURE, AND ASSOCIATED ELECTRICAL & DATA HOOK-UP, EXISTING WIRING AND CONDUIT TO BE REWORKED AS REQUIRED FOR NEW MILLWORK. COORDINATE WITH ELECTRICAL.
9. NOT USED
10. EXISTING ELECTRICAL PANEL LOCATION. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION ON THE EXTENT OF DEMO AND NEW WORK.
11. EXISTING COLUMN AND SURROUND TO REMAIN. PATCH/REPAIR AS NECESSARY, KEEP INTACT ANY EXISTING FIRE RATINGS. GC TO VERIFY LOCATION AT START OF PROJECT AND REPORT DIMENSIONS TO ARCHITECT.
12. EXISTING PARTITIONS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED.
13. EXISTING DEMISING WALL TO REMAIN. PATCH/REPAIR AS REQUIRED TO BRING TO 'LIKE NEW' CONDITION, MAINTAIN EXISTING FIRE RATING IF APPLICABLE. PREPARE ALL EXISTING SURFACES TO RECEIVE NEW FINISHES AS REQUIRED AND BRING TO A LEVEL 4 FINISH WHERE WALL EXPOSED IN NEW LAYOUT.
14. EXISTING REAR DOOR TO REMAIN. CLEAN AND RENDER TO 'LIKE NEW'. INSPECT HARDWARE TO ENSURE IN GOOD AND WORKING CONDITION. COORDINATE WITH ESSILOR LUXOTTICA PM IF REPLACEMENT IS NECESSARY.
15. EXISTING PARTITION TO REMAIN. PATCH/REPAIR AT ANY DEMOLITION, MAINTAIN ANY EXISTING FIRE RATING. PREPARE ALL EXISTING SURFACES TO RECEIVE NEW FINISHES AS REQUIRED AND BRING TO A LEVEL 4 FINISH WHERE APPLICABLE.
16. EXISTING DOOR AND FRAME TO BE REMOVED. DOOR AND HARDWARE TO BE SALVAGED FOR REHANDING. FRAME TO BE DISCARDED.
17. EXISTING INTERIOR GLAZING AND FRAME TO BE REMOVED AND DISCARDED.
18. EXISTING STOREFRONT FINISHES SHALL BE REMOVED AND DISCARDED FOR NEW FINISHES. EXISTING SUBSTRATE AND FRAMING TO REMAIN. PATCH AND REPAIR AS REQUIRED.
19. EXISTING ROLLING GRILLE TO REMOVED AND DISCARDED.
20. CURVED PORTION OF EXISTING SOFFIT TO BE REMOVED AS HATCHED. REMAINDER OF SOFFIT TO REMAIN. PATCH AND REPAIR AS REQUIRED TO CREATE FLUSH SOFFIT. REFER TO A102.
21. EXISTING CEILINGS AND SOFFITS THROUGHOUT THE SPACE TO BE DEMOLISHED AND REMOVED, UNLESS NOTED OTHERWISE, INCLUDING ALL EXISTING LIGHTING, DIFFUSERS AND ALL OTHER CEILING RELATED ITEMS.
22. OPEN UP EXISTING WALLS TO ADD REQUIRED BLOCKING FOR TOILET ROOM ACCESSORY. PATCH AND REPAIR WALL TO LIKE NEW CONDITION AND PREP FOR NEW FINISHES, MAINTAIN ANY EXISTING RATINGS.
23. EXISTING RECESSED LIGHT COVES TO REMAIN.
24. MALL BULKHEAD ABOVE.
25. TRENCH FLOOR AS REQUIRED TO PROVIDE ELECTRICAL TO FLOOR-MOUNTED FIXTURES. KEEP TRENCHING AS MINIMAL AS POSSIBLE. REFER TO ELECTRICAL FOR EXTENTS AND REQUIREMENTS.
26. REMOVE EXISTING WATER HEATER IN ITS ENTIRETY. EXISTING PLUMBING TO BE REMOVED AND REROUTED TO NEW WATER HEATER LOCATION. COORDINATE WITH PLUMBING.
27. REMOVE EXISTING MOP SINK. EXISTING PLUMBING TO REMAIN AND BE REUSED WITH NEW MOP SINK. COORDINATE WITH PLUMBING.

2-LC09-AD101-REV02

## 1 GENERAL NOTES

A. G.C. IS RESPONSIBLE FOR ANY PREPARATION OF THE FLOOR SLAB AND PROCUREMENT OF MATERIALS REQUIRED AT THE ENTRANCE TO PRODUCE A FLUSH CONDITION BETWEEN THE STORE LEASE LINE AND THE EXISTING MALL FLOORING.

B. THE G.C. SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE PUBLIC AND/OR WORKMEN ON THE JOB AND TO PREVENT ACCIDENTS OR INJURY TO ANY PERSON ON, ABOUT, OR ADJACENT TO THE PREMISES. THE G.C. SHALL COMPLY WITH ALL LAWS, ORDINANCES, CODES, RULES AND REGULATIONS RELATIVE TO SAFETY AND THE PREVENTION OF ACCIDENTS.

C. THIS DEMOLITION PLAN IS TO BE USED IN CONJUNCTION WITH THE ENTIRE SET OF WORKING DRAWINGS. DO NOT REMOVE OR DEMOLISH ANYTHING WITHOUT VERIFYING AND COORDINATING WITH ALL GENERAL TRADES AS TO HOW THEY RELATE TO THE OVERALL PROJECT.

D. THE G.C. SHALL BE RESPONSIBLE FOR REMOVING OR DEMOLISHING EXISTING CONSTRUCTION WHICH WILL INTERFERE WITH THEIR NEW WORK AND ANY TEMPORARY BRACING OR PERMANENT SUPPORT STRUCTURES.

E. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND/OR SPRINKLER DRAWINGS FOR ANY ADDITIONAL DEMOLITION NOTES.

F. EXISTING EXPOSED CONCRETE THROUGHOUT. CAP EXISTING MECHANICAL, PLUMBING AND ELECTRICAL SERVICES FLUSH WITH EXISTING SLAB AS REQUIRED, TYPICAL THROUGHOUT, REFER TO RESPONSIBILITY SCHEDULE ON G002 AND SHEET A103 FOR FLOORING PREPARATION.

G. AT THE G.C.'S OPTION, DEMOLISH OR REMOVE MORE OR LESS EXISTING WORK, PROVIDED THAT SUCH VARIATION WILL EXPEDITE THE PROJECT AND NOT INCREASE THE EXPENSE TO THE OWNER OR VIOLATE ANY CODES. THESE OPTIONS SHALL BE SUBJECT TO THE ESSILOR LUXOTTICA'S PROJECT MANAGER'S APPROVAL.

H. COORDINATE ANY SYSTEMS SHUTDOWNS WITH LANDLORD & INCLUDE COSTS OF SHUTDOWN IN THE BID.

I. EXCEPT AS NOTED, G.C. SHALL INCLUDE COSTS TO CUT, PATCH AND/OR REPAIR EXISTING WORK AND EXISTING FACILITIES WHICH MAY BE DISTURBED DURING INSTALLATION OF NEW WORK IN BID PACKAGES.

J. IN ACCORDANCE WITH THE DRAWINGS, THOSE ITEMS WHICH ARE REMOVED, AND ARE NOT RELOCATED OR REUSED, SHALL BE DISPOSED OF BY THE G.C.

K. G.C. SHALL REMOVE EXISTING FINISHES FROM ALL EXISTING PARTITIONS TO REMAIN.

L. G.C. TO INSPECT ALL EXISTING WALLS TO REMAIN AND ENSURE THAT THEY ARE UP TO CURRENT SPECIFICATIONS AND BROUGHT TO A LEVEL 4 FINISH WHERE EXPOSED IN NEW LAYOUT.

M. GC SHALL REPAIR, AT THEIR OWN EXPENSE, ANY DAMAGE DONE TO THE OWNER'S PROPERTY, AND ANY OTHER PERSON OR PERSONS ON OR OFF THE PREMISES AS A RESULT OF THE GC'S WORK DEFINED HEREIN.

N. GC SHALL VERIFY WITH MALL OPERATIONS MANAGER IF FLOOR X-RAYS OR SLAB SCANS ARE REQUIRED, PRIOR TO BID.

O. ALL EXISTING AND NEW PENETRATIONS THROUGH RATED WALLS SHALL BE PROTECTED BY AN APPROVED FIRE STOP SYSTEM.

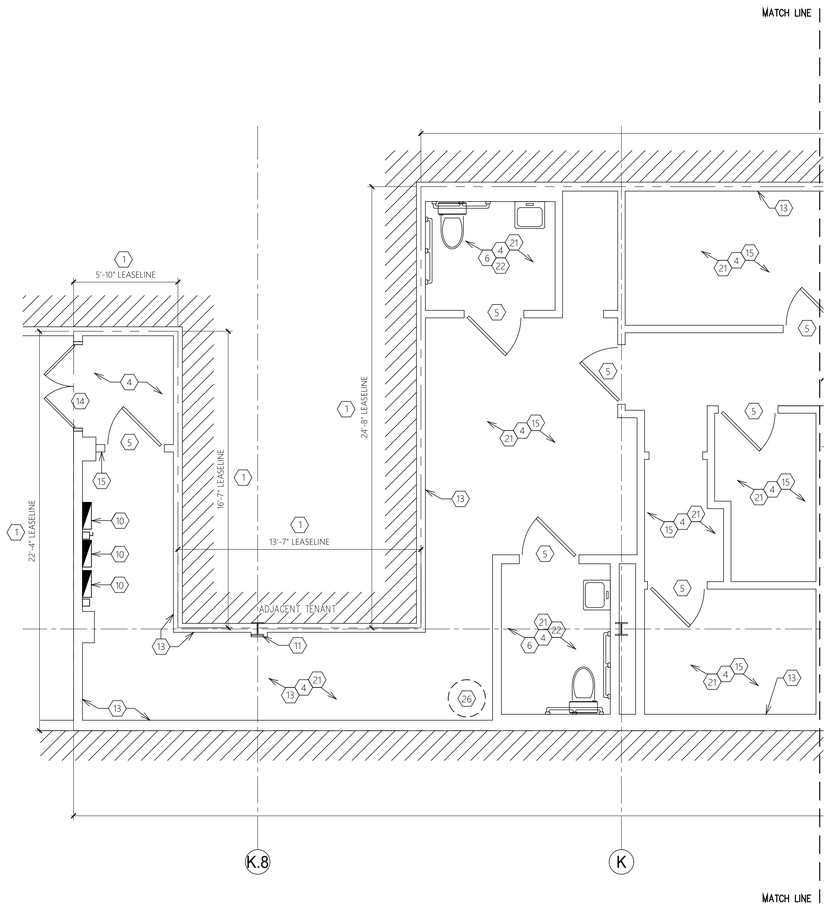
P. G.C. TO REPORT ACTUAL DIMENSIONS VS SHOWN DIMENSIONS TO PROJECT MANAGER PRIOR TO CONSTRUCTION LAYOUT.

Q. PATCH EXISTING CONCRETE AS REQUIRED. REFER TO DETAIL 5/A410 FOR SLAB POUR BACK DETAIL.

R. TEMPORARY BARRICADE
- TEMPORARY BARRICADE SHALL BE CONSTRUCTED PER LLD REQUIREMENTS: THE BARRICADE SHALL BE ENCLOSED AT THE TOP WITH 6 MILLIMETER OR THICKER PLASTIC SHEETING AND DUST-POOF WITH 6" VINYL COVE BASE. IF A DOOR IS LOCATED IN THE MIDDLE OF THE BARRICADE, THERE MUST ALSO BE A DOOR FRAME. CONSTRUCTION SHALL BE OF STUDS WITH TAPED, SPACKLED AND PAINTED GYPSUM BOARD TO THE PUBLIC SIDE. PAINT COLOR IS TO BE DETERMINED BY MALL MANAGEMENT. MALL GRAPHICS WILL BE INSTALLED BY LANDLORD AND SHALL BE REIMBURSED BY CONTRACTOR AT PRE-CONSTRUCTION MEETING. BARRICADE SHALL NOT EXTEND MORE THAN 3'-0" BEYOND THE LEASE LINE.
- TEMPORARY BARRICADE IS TO BE 100% COMPLETE AND READY FOR GRAPHICS TO BE INSTALLED NO MORE THAN (2) DAYS AFTER CONSTRUCTION START. G.C. TO CONTACT ESSILOR LUXOTTICA PROJECT MANAGER UPON COMPLETION TO COORDINATE GRAPHICS INSTALLATION. TEMPORARY BARRICADE MUST BE PRIMED AND PAINTED WITH (2) COATS OF EITHER EGGSHELL OR SEMI-GLOSS FINISH ONLY.
- GC IS RESPONSIBLE FOR MAINTAINING BARRICADE DURING CONSTRUCTION.
- REMOVE BARRICADE WHEN 100% OF STOREFRONT OR JOB IS COMPLETED ON THE EVENING BEFORE G.C.'S PUNCHLIST IS COMPLETED, PRIOR TO OWNER VERIFICATION, AND AFTER LLD APPROVAL IS RECEIVED. CARE IS TO BE TAKEN WHEN DISSEMBLING AND REMOVING BARRICADE, ON INTERIOR SIDE (STORE SIDE), PAPER WINDOWS WITH WHITE CONSTRUCTION PAPER OVER GLAZING ONLY. TRIM 1/2" OFF EDGES AND TAPE CONTINUOUSLY AROUND PERIMETER WITH WHITE TAPE. G.C. IS TO RESTORE NEUTRAL PIER(S), MALL FLOORING & BULKHEAD TO A LIKE NEW CONDITION AND FINISH WHERE APPLICABLE.

1-LC09-AD101-REV02

**DEMOLITION WORK TO BE PHASED. REFER TO PHASING PLANS FOR WHICH AREAS ARE DEMOLISHED DURING WHICH PHASE.**




## DEMOLITION PLAN

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

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:


**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR


150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


**Seal**

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**
- ☐ 100% PRELIM
- ☒ 100% FINAL
- ☒ PERMIT
- ☐ CONSTRUCTION
- ☐ ADDENDUM
- ☐ BULLETIN

Sheet Name:
DEMOLITION PLAN

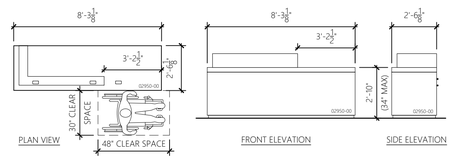
Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.:
AD101b

| TARGET FACINGS - DIAMOND / 1150 | | |
|---|---|---|
| **BRAND** | **TARGET FACINGS** | **ACTUAL FACINGS** |
| RAYBAN | 210 | 260 |
| OAKLEY | 90 | 84 |
| LUXURY | 550 | 580 |
| CONSUMER | 300 | 248 |
| TOTAL | 1150 | 1172 |

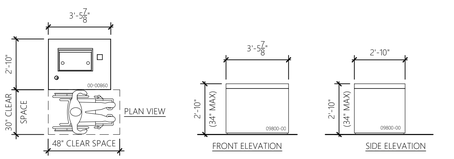
| MANUAL TAKEOFF ITEMS | | | |
|---|---|---|---|
| **CODE** | **DESCRIPTION** | **QUANTITY** | **UOM** |
| LC-MAGNET | MAGNET | 4 | PCS |
| LC-07850-00 | HARDWARE KIT - LC07 | 1 | PCS |
| LC-04910-00 | IPAD CHARGER TRAY | 2 | PCS |

## A O.D. RECEPTION DESK




A-LC09-A100-REV02

## B RETAIL CASHWRAP




B-LC09-A100-REV02

## 2 KEY NOTES

1. INSTALL SIGNAGE AND GRAPHICS PACKAGE ITEMS AS INDICATED. REFER TO RESPONSIBILITY SCHEDULE ON G002. REFER TO G002 SIGNAGE ACCESSIBILITY, INTERIOR AND EXTERIOR ELEVATIONS FOR MOUNTING DIMENSIONS AS APPLICABLE. REQUEST SIGNAGE AND GRAPHICS STANDARD FROM ESSILOR LUXOTTICA PROJECT MANAGER
2. NEW WALL LIGHT FIXTURES. SEE ELEVATIONS ON A200 AND ELECTRICAL SHEETS FOR MORE INFORMATION.
3. NEW MOP SINK IN EXISTING LOCATION IN THE LAB AS INDICATED. COORDINATE WITH PLUMBING DRAWINGS.
4. IN-WALL BLOCKING IS REQUIRED FOR COAT HOOKS AT 48" AND 72" TO CENTERLINE OF HOOKS (EXCEPT IN RESTROOMS, THE LOWER HOOK IS AT 44" TO CENTERLINE). SEE ELEVATIONS FOR LOCATION DIMENSIONS.
5. PROVIDE ¾" F.R.T.PLY. BLOCKING ABOVE CEILING FOR SIGNAGE TO ATTACH INFILL GYP-1 GRID WITH PLYWOOD ABOVE FIXTURES MINIMALLY COVER SIZE AS SHOWN. SEE SHEET A102 FOR SIZE AND LOCATION.
6. 2A-10BC FIRE EXTINGUISHERS IN A RECESSED CABINET AS DIRECTED BY THE FIRE MARSHAL. (SUGGESTED LOCATIONS AND QUANTITIES ON PLAN.) SEE SHEET LS100 FOR MORE INFORMATION.
7. SEE SHEET A401 FOR BLOCKING REQUIREMENTS FOR ALL WALL MOUNTED FIXTURES.
8. APPLY PAINTABLE CAULK WHERE MILLWORK MEETS GYP BD. WALL.
9. CONTRACTOR TO BOLT SAFE TO FLOOR. CHECK WITH SAFE MANUFACTURER FOR KIT OR BOLTING INSTRUCTIONS.
10. G.C. TO FURNISH AND INSTALL 'BRTAB' TABLE. MANUFACTURER: SIT ON IT, TENSOR TABLE TOP AND BASE. ALL BLACK FINISH. 36"Wx36"Dx29"H.
11. SURFACE MOUNTED LEDS IN SHROUD. SEE SHEET A425 FOR INSTALLATION DETAILS. SEE ELECTRICAL SHEETS FOR REQUIRED ELECTRICAL INFORMATION.
12. NEW PLUMBING ACCESSORIES TO BE INSTALLED. SEE ENLARGED RESTROOMS PLANS AND TYPICAL RESTROOM ELEVATIONS ON SHEET A210 FOR MORE INFORMATION. REFER TO RESPONSIBILITY SCHEDULE ON SHEET G002
13. ACCESSIBLE COUNTER TO COMPLY WITH FEDERAL, STATE, & LOCAL CODES. SEE CORRESPONDING DETAILS 'A' & 'B' ON THIS SHEET.
14. INSTALL WALL FIXTURES SEQUENTIALLY STARTING AT THIS POINT. FIELD VERIFY LENGTH OF WALL REQUIRED FOR FIXTURES, PRIOR TO INSTALLATION. REPORT TO ANY DISCREPANCIES TO THE ESSILOR LUXOTTICA PROJECT MANAGER. COORDINATE WITH ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENT OF FIXTURES.
15. SURFACE MOUNTED LIGHT BOX. SEE SHEET A430 FOR INSTALLATION DETAILS. SEE ELECTRICAL SHEETS FOR REQUIRED ELECTRICAL INFORMATION.
16. GC TO MODIFY MILLWORK AS REQUIRED FOR SINK INSTALLATION. COORDINATE WITH SINK SIZE.
17. GC TO PROVIDE AND INSTALL 1/2" CLEAR CABINET DOOR BUMPERS, TO BE INSTALLED AFTER MILLWORK INSTALLATION ANYWHERE A CABINET DOOR HITS A WALL.
18. G.C. TO SECURE FIXTURE TO FLOOR PER MANUFACTURER'S INSTRUCTIONS.
19. WHERE MILLWORK MEETS GYP. BD. WALL, IF FIXTURE IS NOT NOTCHED FOR BASE, GC TO TRIM BASE FLUSH WITH FIXTURE TO GET A TIGHT FIT FOR THE FIXTURE AGAINST THE WALL.
20. SURFACE-MOUNTED NAMING FIXTURE. SEE 14/A410.
21. SURFACE MOUNTED 2A-10BC FIRE EXTINGUISHER AS DIRECTED BY THE FIRE MARSHAL. (SUGGESTED LOCATION AND QUANTITY ON PLAN). SEE SHEET LS100 FOR MORE INFORMATION.

2-LC09-A100-REV06

## 1 GENERAL NOTES

A. NEW EXTERIOR SIGN(S) BY SIGNAGE CONTRACTOR TO BE INSTALLED. SIGNAGE TO COMPLY WITH LOCAL SIGNAGE CODES. SIGNAGE CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDLORD FOR APPROVAL.

B. ALL DIMENSIONS ARE TO FACE OF GYP. BD. UNLESS NOTED OTHERWISE ON PLANS.

C. G.C. TO REFERENCE FIXTURE CONTRACTORS SHOP DRAWINGS FOR INSTALLATION INSTRUCTIONS FOR ALL FIXTURES, WALL CABINETS, BASE CABINETS, AND COUNTERTOPS. G.C. TO COORDINATE WITH FIXTURE CONTRACTOR TO ENSURE PROPER FIT OF ALL COMPONENTS.

D. G.C. TO ENSURE FIXTURES ARE PROTECTED DURING CONSTRUCTION.

E. G.C. TO PROVIDE ADEQUATE BRACING, AS REQUIED, TO SUPPORT WALL CABINETS AND FIXTURES.

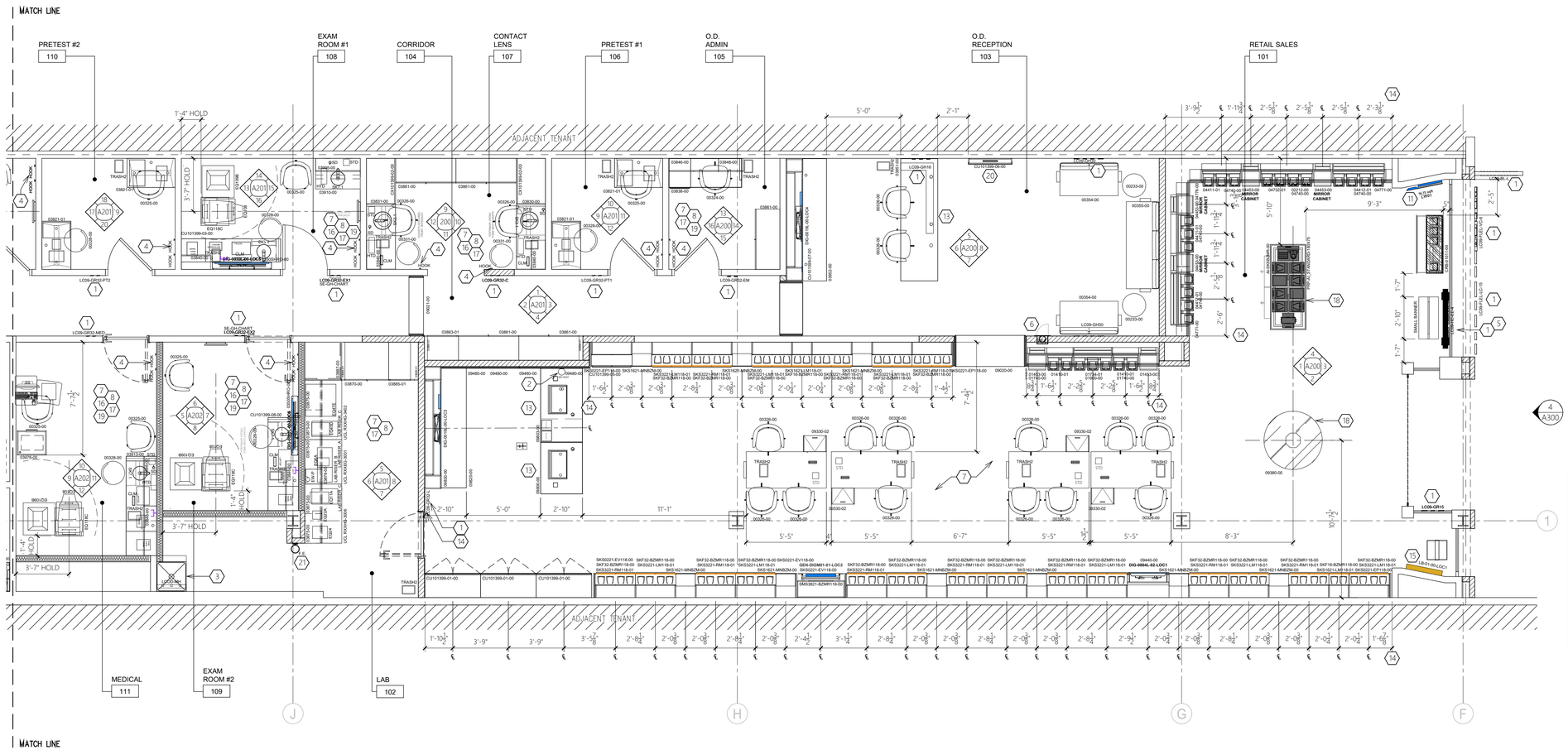
F. G.C. TO SIGN FOR PACKAGES WITH A NOTE "SUBJECT TO CONCEALED DAMAGES" ON IT.

G. FOLLOW ALL MANUFACTURERS INSTALLATION AND MAINTENANCE INSTRUCTIONS.

H. INSTALL ALL SALES AREA FLOOR FIXTURES AS DIMENSIONED. ALL UNDER FLOOR ELECTRICAL TO BE IN CONDUIT (TYP.). COORDINATE WITH ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENT OF FIXTURES.

1-LC09-A100-REV02

**NEW WORK TO BE PHASED. REFER TO PHASING PLANS FOR WHICH AREAS ARE CONSTRUCTED DURING WHICH PHASE.**




## FIXTURE PLAN

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

NORTH


DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**

NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |


**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


**Seal**

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
- ☒ PERMIT
- ☐ BULLETIN

Sheet Name: FIXTURE FLOOR PLAN

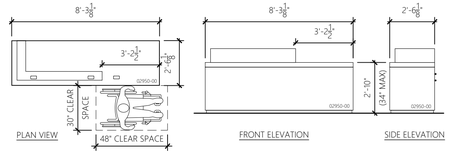
Date: 05/01/2026
Drawn By: L.MITCHELL
Checked By: J.MARJI

Sheet No.: A100a

| TARGET FACINGS - DIAMOND / 1150 | | |
|---|---|---|
| **BRAND** | **TARGET FACINGS** | **ACTUAL FACINGS** |
| RAYBAN | 210 | 260 |
| OAKLEY | 90 | 84 |
| LUXURY | 550 | 580 |
| CONSUMER | 300 | 248 |
| TOTAL | 1150 | 1172 |

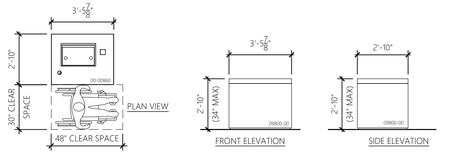
| MANUAL TAKEOFF ITEMS | | | |
|---|---|---|---|
| **CODE** | **DESCRIPTION** | **QUANTITY** | **UOM** |
| LC-MAGNET | MAGNET | 4 | PCS |
| LC-07850-00 | HARDWARE KIT - LC07 | 1 | PCS |
| LC-04910-00 | IPAD CHARGER TRAY | 2 | PCS |

## A O.D. RECEPTION DESK




A-LC09-A100-REV02

## B RETAIL CASHWRAP




B-LC09-A100-REV02

## 2 KEY NOTES

1. INSTALL SIGNAGE AND GRAPHICS PACKAGE ITEMS AS INDICATED. REFER TO RESPONSIBILITY SCHEDULE ON G002. REFER TO G002 SIGNAGE ACCESSIBILITY, INTERIOR AND EXTERIOR ELEVATIONS FOR MOUNTING DIMENSIONS AS APPLICABLE. REQUEST SIGNAGE AND GRAPHICS STANDARD FROM ESSILOR LUXOTTICA PROJECT MANAGER
2. NEW WALL LIGHT FIXTURES. SEE ELEVATIONS ON A200 AND ELECTRICAL SHEETS FOR MORE INFORMATION.
3. NEW MOP SINK IN EXISTING LOCATION IN THE LAB AS INDICATED. COORDINATE WITH PLUMBING DRAWINGS.
4. IN-WALL BLOCKING IS REQUIRED FOR COAT HOOKS AT 48" AND 72" TO CENTERLINE OF HOOKS (EXCEPT IN RESTROOMS, THE LOWER HOOK IS AT 44" TO CENTERLINE). SEE ELEVATIONS FOR LOCATION DIMENSIONS.
5. PROVIDE ¾" F.R.T.PLY. BLOCKING ABOVE CEILING FOR SIGNAGE TO ATTACH INFILL GYP-1 GRID WITH PLYWOOD ABOVE FIXTURES MINIMALLY COVER SIZE AS SHOWN. SEE SHEET A102 FOR SIZE AND LOCATION.
6. 2A-10BC FIRE EXTINGUISHERS IN A RECESSED CABINET AS DIRECTED BY THE FIRE MARSHAL. (SUGGESTED LOCATIONS AND QUANTITIES ON PLAN.) SEE SHEET LS100 FOR MORE INFORMATION.
7. SEE SHEET A401 FOR BLOCKING REQUIREMENTS FOR ALL WALL MOUNTED FIXTURES.
8. APPLY PAINTABLE CAULK WHERE MILLWORK MEETS GYP BD. WALL.
9. CONTRACTOR TO BOLT SAFE TO FLOOR. CHECK WITH SAFE MANUFACTURER FOR KIT OR BOLTING INSTRUCTIONS.
10. G.C. TO FURNISH AND INSTALL 'BRTAB' TABLE. MANUFACTURER: SIT ON IT, TENSOR TABLE TOP AND BASE. ALL BLACK FINISH. 36"Wx36"Dx29"H.
11. SURFACE MOUNTED LEDS IN SHROUD. SEE SHEET A425 FOR INSTALLATION DETAILS. SEE ELECTRICAL SHEETS FOR REQUIRED ELECTRICAL INFORMATION.
12. NEW PLUMBING ACCESSORIES TO BE INSTALLED. SEE ENLARGED RESTROOMS PLANS AND TYPICAL RESTROOM ELEVATIONS ON SHEET A210 FOR MORE INFORMATION. REFER TO RESPONSIBILITY SCHEDULE ON SHEET G002
13. ACCESSIBLE COUNTER TO COMPLY WITH FEDERAL, STATE, & LOCAL CODES. SEE CORRESPONDING DETAILS 'A' & 'B' ON THIS SHEET.
14. INSTALL WALL FIXTURES SEQUENTIALLY STARTING AT THIS POINT. FIELD VERIFY LENGTH OF WALL REQUIRED FOR FIXTURES, PRIOR TO INSTALLATION. REPORT TO ANY DISCREPANCIES TO THE ESSILOR LUXOTTICA PROJECT MANAGER. COORDINATE WITH ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENT OF FIXTURES.
15. SURFACE MOUNTED LIGHT BOX. SEE SHEET A430 FOR INSTALLATION DETAILS. SEE ELECTRICAL SHEETS FOR REQUIRED ELECTRICAL INFORMATION.
16. GC TO MODIFY MILLWORK AS REQUIRED FOR SINK INSTALLATION. COORDINATE WITH SINK SIZE.
17. GC TO PROVIDE AND INSTALL 1/2" CLEAR CABINET DOOR BUMPERS, TO BE INSTALLED AFTER MILLWORK INSTALLATION ANYWHERE A CABINET DOOR HITS A WALL.
18. G.C. TO SECURE FIXTURE TO FLOOR PER MANUFACTURER'S INSTRUCTIONS.
19. WHERE MILLWORK MEETS GYP. BD. WALL, IF FIXTURE IS NOT NOTCHED FOR BASE, GC TO TRIM BASE FLUSH WITH FIXTURE TO GET A TIGHT FIT FOR THE FIXTURE AGAINST THE WALL.
20. SURFACE-MOUNTED NAMING FIXTURE. SEE 14/A410.
21. SURFACE MOUNTED 2A-10BC FIRE EXTINGUISHER AS DIRECTED BY THE FIRE MARSHAL. (SUGGESTED LOCATION AND QUANTITY ON PLAN). SEE SHEET LS100 FOR MORE INFORMATION.

2-LC09-A100-REV06

## 1 GENERAL NOTES

A. NEW EXTERIOR SIGN(S) BY SIGNAGE CONTRACTOR TO BE INSTALLED. SIGNAGE TO COMPLY WITH LOCAL SIGNAGE CODES. SIGNAGE CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDLORD FOR APPROVAL.

B. ALL DIMENSIONS ARE TO FACE OF GYP. BD. UNLESS NOTED OTHERWISE ON PLANS.

C. G.C. TO REFERENCE FIXTURE CONTRACTORS SHOP DRAWINGS FOR INSTALLATION INSTRUCTIONS FOR ALL FIXTURES, WALL CABINETS, BASE CABINETS, AND COUNTERTOPS. G.C. TO COORDINATE WITH FIXTURE CONTRACTOR TO ENSURE PROPER FIT OF ALL COMPONENTS.

D. G.C. TO ENSURE FIXTURES ARE PROTECTED DURING CONSTRUCTION.

E. G.C. TO PROVIDE ADEQUATE BRACING, AS REQUIED, TO SUPPORT WALL CABINETS AND FIXTURES.

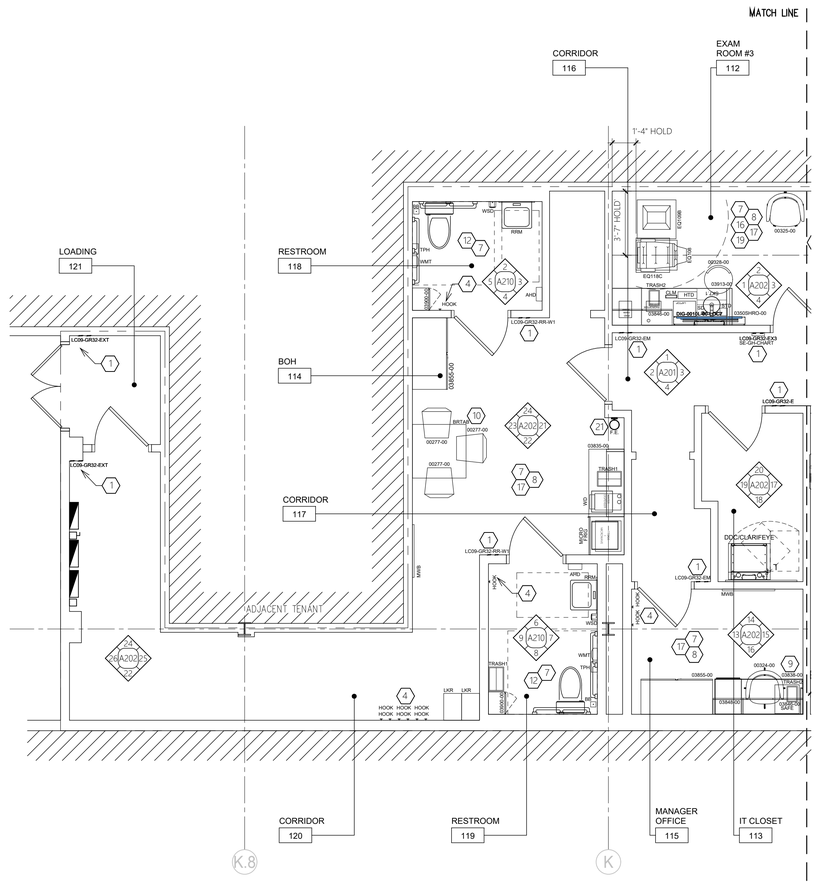
F. G.C. TO SIGN FOR PACKAGES WITH A NOTE "SUBJECT TO CONCEALED DAMAGES" ON IT.

G. FOLLOW ALL MANUFACTURERS INSTALLATION AND MAINTENANCE INSTRUCTIONS.

H. INSTALL ALL SALES AREA FLOOR FIXTURES AS DIMENSIONED. ALL UNDER FLOOR ELECTRICAL TO BE IN CONDUIT (TYP.). COORDINATE WITH ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENT OF FIXTURES.

1-LC09-A100-REV02

**NEW WORK TO BE PHASED. REFER TO PHASING PLANS FOR WHICH AREAS ARE CONSTRUCTED DURING WHICH PHASE.**




## FIXTURE PLAN

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

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**

NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

**Seal**

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name:
FIXTURE FLOOR PLAN

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.: A100b

## 3 WALL LEGEND

| | |
|---|---|
| | CENTER LINE |
| | LEASE LINE |
| | NEW WALLS |
| | NEW WALL W/ SOUND BATTS |
| | EXISTING WALLS |
| | NEW/EXTG. BULKHEAD |
| DETAIL # / SHEET # | WALL TYPES |
| # | DOOR NUMBER |
| | DOORS SHOWN FULLY OPEN TO 90° ARE CONSIDERED AS NEW. DOORS, HARDWARE, JAMBS, ETC. |
| | DOORS SHOWN PARTIALLY OPEN TO 45° ARE CONSIDERED AS EXISTING DOORS. SEE DOOR SCHEDULE FOR MORE INFO. |
| | |

3-LC09-A101-REV02

## 2 KEY NOTES (#)

1. LEASE LINE; G.C. TO VERIFY ACTUAL MEASUREMENTS AND REPORT ANY DISCREPANCIES IMMEDIATELY.
2. EXISTING STOREFRONT GLAZING ASSEMBLY & FRAMING TO REMAIN. CLEAN AND RENDER TO "LIKE NEW", SEE SHEET A300.
3. APPLY WHITE SILICONE CAULK ALONG JOINTS AT ALL WET AREAS.
4. EXISTING PARTITION TO REMAIN. G.C. TO PATCH/REPAIR AS REQUIRED TO BRING TO 'LIKE NEW' CONDITION, MAINTAIN REQUIRED FIRE RATING, WHERE APPLICABLE, AND BRING TO A LEVEL 4 FINISH (WHERE EXPOSED TO NEW LAYOUT), TYP.
5. SEE SHEET A100 FOR EXTENT OF BLOCKING NEEDED FOR FIXTURES.
6. CEILING LIGHT RECESS IN SOFFIT ABOVE TO REMAIN. SEE SHEET A102a.
7. PORTAL TO ATTACH TO FIXTURES, COORDINATE WITH ESSILOR LUXOTTICA PM.
8. NEW HAND SINK WITHIN MILLWORK. REFER TO PLUMBING DRAWINGS.
9. EXISTING COLUMN TO REMAIN. G.C. TO BUILD OUT AND WRAP ALL FOUR SIDES WITH A MIRROR, SEE A410.
10. MODIFY EXISTING WALLS FOR NEW TILE AND TO MAINTAIN REQUIRED ACCESSIBILITY CLEARANCES, SEE SHEET A210.
11. NEW PHONE BOARD/TECH RACKS MOUNTED ON GC PROVIDED AND INSTALLED (1) 4'X8' F.R. PLY INSTALLED 8' SIDE VERTICAL @ 6" AFF. PAINT TO MATCH WALL BUT DO NOT PAINT OVER FIRE RATED LABELING ON THE PLYWOOD FOR INSPECTOR TO VERIFY PLYWOOD IS RATED. REFER TO ELECTRICAL DRAWINGS. NEW DRAWING TUBE INSTALLED ON PLY, SEE INTERIOR ELEVATION AND DETAIL 13/A411.
12. PROVIDE ¾" F.R.T.PLY. BLOCKING ABOVE CEILING FOR SIGNAGE TO ATTACH INFILL GYP-1 GRID WITH PLYWOOD ABOVE FIXTURES MINIMALLY COVER SIZE AS SHOWN. SEE SHEET A102 FOR SIZE AND LOCATION.
13. EDGE OF CEILING SOFFIT ABOVE, SEE REFLECTED CEILING PLAN A102.
14. INSTALL NEW MOP SINK WITH HOT WATER HEATER ABOVE THE CEILING IN THE LAB AREA AS INDICATED. EXTEND STUDS FOR NEW WATER HEATER PLATFORM. REFER TO 16/A411 AND PLUMBING DRAWINGS FOR MORE INFORMATION.
15. ELECTRICAL DISTRIBUTION EQUIPMENT, REFER TO ELECTRICAL DRAWINGS. SEE SHEET A103 FOR FLOOR MARKING FOR REQUIRED CLEARANCE.
16. REFER TO SHEET A210 FOR GRAB BAR INSTALLATION DETAILS, TYPICAL.
17. FULL HEIGHT MIRROR FROM FINISHED FLOOR TO 4" HELD DOWN FROM UNDERSIDE OF CEILING, SEE 4/A410 FOR PLAN VIEW (WALL TYPE IS MODIFIED AT MIRROR LOCATION) AND SEE 7/A410 FOR SECTION FOR MORE INFORMATION.
18. NO GYP. BD. ON WALL DIRECTLY BEHIND PERIMETER FIXTURES.
19. BOX OUT EXISTING STOREFRONT TO ALIGN WITH EXISTING MALL BULKHEAD IN A SINGLE PLANE. SEE A300 AND A900.
20. FULL HEIGHT MIRROR FROM FINISHED FLOOR TO 2" HELD DOWN FROM UNDERSIDE OF CEILING, SEE 8/A410 FOR PLAN VIEW (WALL TYPE IS MODIFIED AT MIRROR LOCATION) AND SEE 7/A410 FOR SECTION FOR MORE INFORMATION.
21. NEW EXAM ROOM WALL TO BE BUILT ON TOP OF EXISTING MOP SINK KNEE WALL AT MOP SINK AS SHOWN TO MAINTAIN ACOUSTIC CONTINUITY. CONTRACTOR OPTION TO DEMOLISH AND REBUILD WALLS AT MOP SINK.

2-LC09-A101-REV06

## 1 GENERAL NOTES

A. GC TO MAINTAIN ALL DIMENSIONS AS SPECIFIED. NOTIFY ESSILOR LUXOTTICA PROJECT MANAGER OF ANY DISCREPANCIES.

B. GC SHALL SUPPLY AND INSTALL BLOCKING AS REQUIRED TO SUPPORT WALL SHELVING AND CABINETS. ANCHOR BLOCKING W/ SCREWS AT TOP MIDDLE AND BOTTOM (NO SILICONE). REFER TO MILLWORK SHOP DRAWINGS FOR MOUNTING HEIGHTS. ALL BLOCKING NOTES FOUND ON SHOP DRAWINGS, SHALL BE PROVIDED AND INSTALLED BY G.C.

C. REFER TO SPECIFICATIONS G003-G005.

D. NO MATERIAL SUBSTITUTIONS WILL BE PERMITTED UNLESS SUBMITTED TO ESSILOR LUXOTTICA PROJECT MANAGER FOR REVIEW AND APPROVAL DURING BIDDING. SUBSTITUTIONS CALLED OUT IN SPECIFICATIONS AS BEING NEEDED TO BE NOTED AT TIME OF BID.

E. ALL MANUFACTURERS RECOMMENDED INSTALLATION AND MAINTENANCE PROCEDURES ARE TO BE FOLLOWED BY GENERAL CONTRACTOR ON THIS PROJECT.

F. GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ESSILOR LUXOTTICA PROJECT MANAGER LISTED AS SOON AS CONTRACTS ARE AWARDED TO COMMUNICATE DESIRED SCHEDULE DATES AND PROJECT INFORMATION.

G. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL UPCHARGES ASSOCIATED WITH THE DELAY OF ORDERING SPECIFIED PRODUCTS.

H. ANY QUESTIONS CONCERNING THESE SPECIFICATIONS SHALL BE DIRECTED TO THE ARCHITECT FOR DOCUMENT CLARIFICATION.

I. ALL TENANT FURNISHED ITEMS (MATERIAL AND LABOR) TO BE SCHEDULED, COORDINATED & SUPERVISED BY GC.

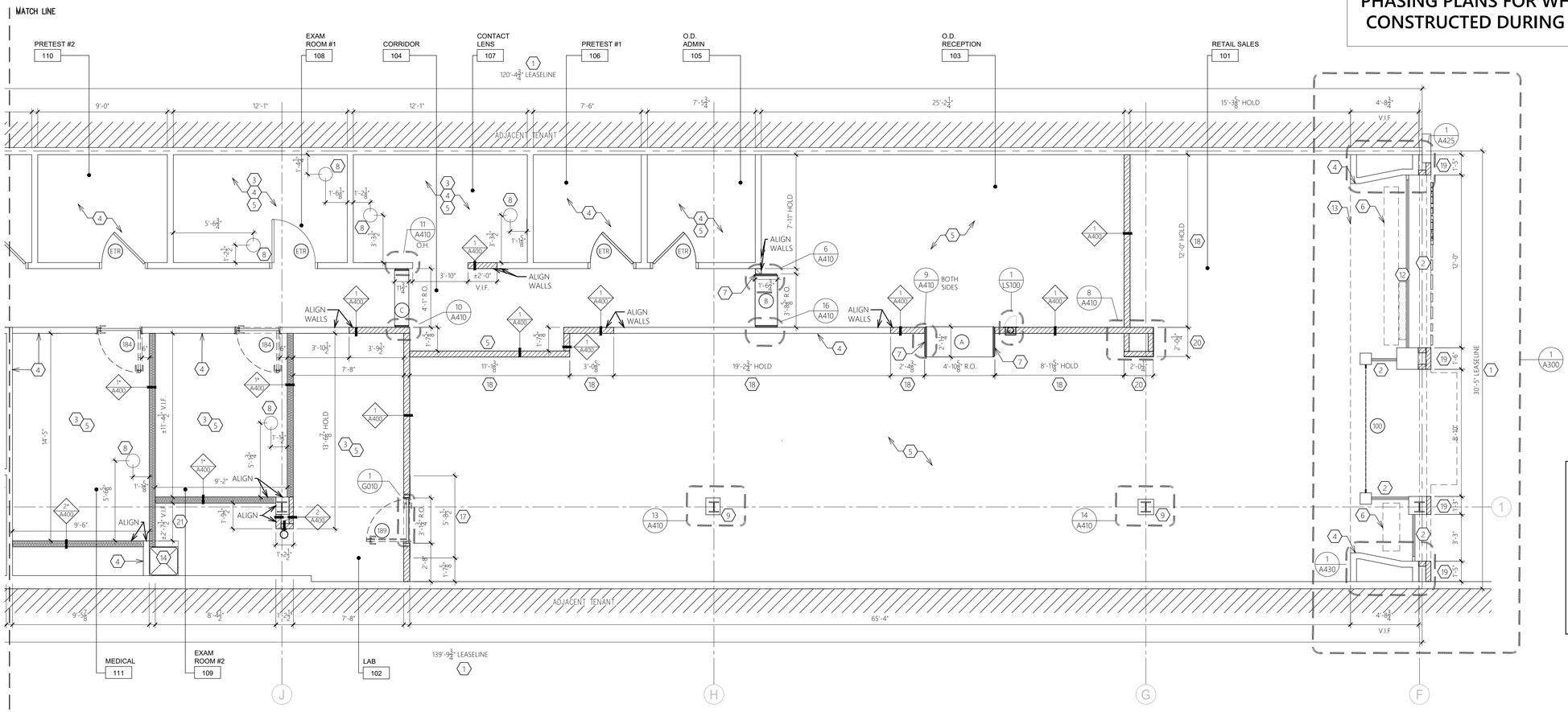
J. THESE CONSTRUCTION DOCUMENTS ARE NOT TO BE SCALED. ALL DIMENSIONS ARE TO FACE OF GYP. BD. UNLESS NOTED OTHERWISE ON PLANS.

K. ALL NEW AND EXISTING GYP. WALL BOARD TO BE FINISH LEVEL 4. CEILING GYP. TO BE LEVEL 5 FINISH.

L. THIS PROPERTY HAS AN ELEVATED SLAB. PRIOR TO TRENCHING OR CORE DRILLING, GC MUST HAVE THE SLAB X-RAYED TO PREVENT DAMAGE TO THE POST TENSION CABLES AND ANY UTILITIES INSTALLED UNDER THE ELEVATIONS.

1-LC09-A101-REV02

**NEW WORK TO BE PHASED. REFER TO PHASING PLANS FOR WHICH AREAS ARE CONSTRUCTED DURING WHICH PHASE.**




## CONSTRUCTION FLOOR PLAN

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

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:


**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR


150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


**Seal**

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number: 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name:
CONSTRUCTION FLOOR PLAN

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.:
A101a

## 3 WALL LEGEND

| | |
|---|---|
| | CENTER LINE |
| | LEASE LINE |
| | NEW WALLS |
| | NEW WALL W/ SOUND BATTS |
| | EXISTING WALLS |
| | NEW/EXTG. BULKHEAD |
| DETAIL # / SHEET # | WALL TYPES |
| # | DOOR NUMBER |
| | DOORS SHOWN FULLY OPEN TO 90° ARE CONSIDERED AS NEW DOORS, HARDWARE, JAMBS, ETC. |
| | DOORS SHOWN PARTIALLY OPEN TO 45° ARE CONSIDERED AS EXISTING DOORS. SEE DOOR SCHEDULE FOR MORE INFO. |
| | |

3-LC09-A101-REV02

## 2 KEY NOTES (#)

1. LEASE LINE; G.C. TO VERIFY ACTUAL MEASUREMENTS AND REPORT ANY DISCREPANCIES IMMEDIATELY.
2. EXISTING STOREFRONT GLAZING ASSEMBLY & FRAMING TO REMAIN. CLEAN AND RENDER TO "LIKE NEW", SEE SHEET A300.
3. APPLY WHITE SILICONE CAULK ALONG JOINTS AT ALL WET AREAS.
4. EXISTING PARTITION TO REMAIN. G.C. TO PATCH/REPAIR AS REQUIRED TO BRING TO 'LIKE NEW' CONDITION, MAINTAIN REQUIRED FIRE RATING, WHERE APPLICABLE, AND BRING TO A LEVEL 4 FINISH (WHERE EXPOSED TO NEW LAYOUT), TYP.
5. SEE SHEET A100 FOR EXTENT OF BLOCKING NEEDED FOR FIXTURES.
6. CEILING LIGHT RECESS IN SOFFIT ABOVE TO REMAIN. SEE SHEET A102a.
7. PORTAL TO ATTACH TO FIXTURES, COORDINATE WITH ESSILOR LUXOTTICA PM.
8. NEW HAND SINK WITHIN MILLWORK. REFER TO PLUMBING DRAWINGS.
9. EXISTING COLUMN TO REMAIN. G.C. TO BUILD OUT AND WRAP ALL FOUR SIDES WITH A MIRROR, SEE A410.
10. MODIFY EXISTING WALLS FOR NEW TILE AND TO MAINTAIN REQUIRED ACCESSIBILITY CLEARANCES, SEE SHEET A210.
11. NEW PHONE BOARD/TECH RACKS MOUNTED ON GC PROVIDED AND INSTALLED (1) 4'X8' F.R. PLY INSTALLED 8' SIDE VERTICAL @ 6" AFF. PAINT TO MATCH WALL BUT DO NOT PAINT OVER FIRE RATED LABELING ON THE PLYWOOD FOR INSPECTOR TO VERIFY PLYWOOD IS RATED. REFER TO ELECTRICAL DRAWINGS. NEW DRAWING TUBE INSTALLED ON PLY, SEE INTERIOR ELEVATION AND DETAIL 13/A411.
12. PROVIDE ¾" F.R.T.PLY. BLOCKING ABOVE CEILING FOR SIGNAGE TO ATTACH INFILL GYP-1 GRID WITH PLYWOOD ABOVE FIXTURES MINIMALLY COVER SIZE AS SHOWN. SEE SHEET A102 FOR SIZE AND LOCATION.
13. EDGE OF CEILING SOFFIT ABOVE, SEE REFLECTED CEILING PLAN A102.
14. INSTALL NEW MOP SINK WITH HOT WATER HEATER ABOVE THE CEILING IN THE LAB AREA AS INDICATED. EXTEND STUDS FOR NEW WATER HEATER PLATFORM. REFER TO 16/A411 AND PLUMBING DRAWINGS FOR MORE INFORMATION.
15. ELECTRICAL DISTRIBUTION EQUIPMENT, REFER TO ELECTRICAL DRAWINGS. SEE SHEET A103 FOR FLOOR MARKING FOR REQUIRED CLEARANCE.
16. REFER TO SHEET A210 FOR GRAB BAR INSTALLATION DETAILS, TYPICAL.
17. FULL HEIGHT MIRROR FROM FINISHED FLOOR TO 4" HELD DOWN FROM UNDERSIDE OF CEILING, SEE 4/A410 FOR PLAN VIEW (WALL TYPE IS MODIFIED AT MIRROR LOCATION) AND SEE 7/A410 FOR SECTION FOR MORE INFORMATION.
18. NO GYP. BD. ON WALL DIRECTLY BEHIND PERIMETER FIXTURES.
19. BOX OUT EXISTING STOREFRONT TO ALIGN WITH EXISTING MALL BULKHEAD IN A SINGLE PLANE. SEE A300 AND A900.
20. FULL HEIGHT MIRROR FROM FINISHED FLOOR TO 2" HELD DOWN FROM UNDERSIDE OF CEILING, SEE 8/A410 FOR PLAN VIEW (WALL TYPE IS MODIFIED AT MIRROR LOCATION) AND SEE 7/A410 FOR SECTION FOR MORE INFORMATION.
21. NEW EXAM ROOM WALL TO BE BUILT ON TOP OF EXISTING MOP SINK KNEE WALL AT MOP SINK AS SHOWN TO MAINTAIN ACOUSTIC CONTINUITY. CONTRACTOR OPTION TO DEMOLISH AND REBUILD WALLS AT MOP SINK.

2-LC09-A101-REV06

## 1 GENERAL NOTES

A. GC TO MAINTAIN ALL DIMENSIONS AS SPECIFIED. NOTIFY ESSILOR LUXOTTICA PROJECT MANAGER OF ANY DISCREPANCIES.

B. GC SHALL SUPPLY AND INSTALL BLOCKING AS REQUIRED TO SUPPORT WALL SHELVING AND CABINETS. ANCHOR BLOCKING W/ SCREWS AT TOP MIDDLE AND BOTTOM (NO SILICONE). REFER TO MILLWORK SHOP DRAWINGS FOR MOUNTING HEIGHTS. ALL BLOCKING NOTES FOUND ON SHOP DRAWINGS, SHALL BE PROVIDED AND INSTALLED BY G.C.

C. REFER TO SPECIFICATIONS G003-G005.

D. NO MATERIAL SUBSTITUTIONS WILL BE PERMITTED UNLESS SUBMITTED TO ESSILOR LUXOTTICA PROJECT MANAGER FOR REVIEW AND APPROVAL DURING BIDDING. SUBSTITUTIONS CALLED OUT IN SPECIFICATIONS AS BEING NEEDED TO BE NOTED AT TIME OF BID.

E. ALL MANUFACTURERS RECOMMENDED INSTALLATION AND MAINTENANCE PROCEDURES ARE TO BE FOLLOWED BY GENERAL CONTRACTOR ON THIS PROJECT.

F. GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ESSILOR LUXOTTICA PROJECT MANAGER LISTED AS SOON AS CONTRACTS ARE AWARDED TO COMMUNICATE DESIRED SCHEDULE DATES AND PROJECT INFORMATION.

G. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL UPCHARGES ASSOCIATED WITH THE DELAY OF ORDERING SPECIFIED PRODUCTS.

H. ANY QUESTIONS CONCERNING THESE SPECIFICATIONS SHALL BE DIRECTED TO THE ARCHITECT FOR DOCUMENT CLARIFICATION.

I. ALL TENANT FURNISHED ITEMS (MATERIAL AND LABOR) TO BE SCHEDULED, COORDINATED & SUPERVISED BY GC.

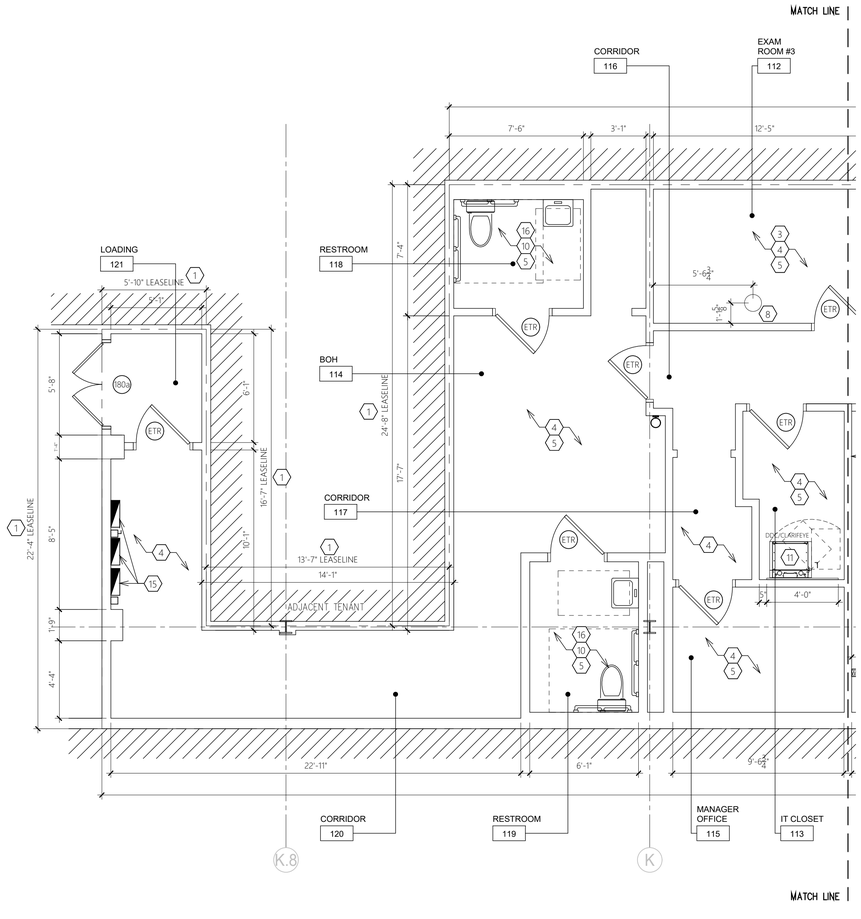
J. THESE CONSTRUCTION DOCUMENTS ARE NOT TO BE SCALED. ALL DIMENSIONS ARE TO FACE OF GYP. BD. UNLESS NOTED OTHERWISE ON PLANS.

K. ALL NEW AND EXISTING GYP. WALL BOARD TO BE FINISH LEVEL 4. CEILING GYP. TO BE LEVEL 5 FINISH.

L. THIS PROPERTY HAS AN ELEVATED SLAB. PRIOR TO TRENCHING OR CORE DRILLING, GC MUST HAVE THE SLAB X-RAYED TO PREVENT DAMAGE TO THE POST TENSION CABLES AND ANY UTILITIES INSTALLED UNDER THE ELEVATIONS.

1-LC09-A101-REV02

**NEW WORK TO BE PHASED. REFER TO PHASING PLANS FOR WHICH AREAS ARE CONSTRUCTED DURING WHICH PHASE.**




## CONSTRUCTION FLOOR PLAN

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

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**

NORTH AMERICA STORE DEVELOPMENT

1 West 37th Street New York, NY 10018

+1 212.302.1200

**STORE #518**

**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

**Seal**

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name:
CONSTRUCTION FLOOR PLAN

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.:
A101b

## A CEILING LEGEND

| SYMBOL | TYPE | DESCRIPTION | SYMBOL | TYPE | DESCRIPTION | SYMBOL | TYPE | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| | h1<br>h2<br>h3 | LINEAR LED LIGHT | | X1RW | EXIT SIGN - EDGE LIT LED (SEE GENERAL NOTE 'B' FOR MOUNTING) PAINT TRIM COVER TO MATCH CLG FINISH | | | SUPPLY DIFFUSER; PAINT TO MATCH CEILING FINISH |
| | e1<br>e2 | TRACK LIGHT HEAD. COLOR TO MATCH TRACK. | | T-SPK | TRACK MOUNT SPEAKER, COLOR TO MATCH TRACK | | | RETURN DIFFUSER; PAINT TO MATCH CEILING FINISH |
| | w2 | RECESSED ADJUSTABLE 2-LIGHT DOWNLIGHT, RECTANGULAR, PAINTED TRIM TO MATCH CEILING. | | C1 | SECURITY CAMERA, PAINT ENTIRE ASSEMBLY TO MATCH CEILING FINISH EXCEPT FOR LENS SOURCE | | | CEILING ACCESS PANEL; FINISH TO MATCH CEILING FINISH - SEE PLAN FOR SIZE |
| | t#:LENGTH | SURFACE MTD. THREE CIRCUIT TRACK<br>t# = TRACK COLOR BLACK<br>LENGTH = LENGTH OF TRACK | | | CONCEALED HEAD, CUSTOM COLOR CAP TO MATCH CEILING FINISH<br>PREFERRED LOCATIONS SHOWN ON PLAN | | | EXHAUST FAN |
| | r2 | MICRO RECESSED LIGHT | | | | | TC | TRAFFIC COUNTER (SHOPPER TRAK) |
| | 00110-00 | WALL SCONCE, SEE ELEVATIONS FOR MOUNTING LOCATION AND MOUNTING HEIGHTS | | | PENDANT HEAD, | | | |
| | REM1 | RECESSED EMERGENCY LIGHT, PAINT ENTIRE ASSEMBLY TO MATCH CEILING, EXCEPT FOR LIGHT SOURCE | | | DOORBELL/STROBE - SEE ELECTRICAL SHEETS | Wi-Fi | | WIFI - RECESS/FLUSH MOUNT PAINT COVER TO MATCH CEILING FINISH |
| | p01 | RECESSED 2X2 LAY-IN FIXTURE - SEE ELECTRICAL SHEETS | | | | | | |

A-LC09-A102-REV06

## 3 SPRINKLER NOTES

FOR EXISTING FIRE SPRINKLER SYSTEM:
CONTRACTOR SHALL REWORK AND MODIFY THE SYSTEM IF NECESSARY FOR THE NEW SPACE CONFIGURATION. MODIFICATIONS SHALL BE DESIGNED AND INSTALLED BY A QUALIFIED FIRE SPRINKLER CONTRACTOR, WHO SHALL PREPARE DESIGN/SHOP DRAWINGS OF THE SYSTEM AND SUBMIT SUCH DRAWINGS TO THE ARCHITECT, LANDLORD AND BUILDING & FIRE DEPARTMENTS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION. ALL WORK SHALL BE DONE IN ACCORDANCE WITH NFPA, STANDARD 101, AND ANY OTHER STATE OR LOCAL CODES HAVING JURISDICTION.

SPRINKLER COVER PLATE, CUSTOM COLORED FINISH
THIS IS A GC SUPPLIED AND INSTALLED ITEM.

TO ORDER, CONTACT QUICK RESPONSE FIRE SUPPLY (888) 361-6662. THERE WILL BE A PAINT SETUP FEE "PER ORDER."

INFORMATION TO HAVE READY:
- SPRINKLER IDENTIFICATION NUMBER OR SIN #(TYPICALLY ON SPRINKLER HEAD BEGINNING WITH 1-2 LETTERS FOLLOWED BY 3-4 #'S.)
- QUANTITY
- BENJAMIN MOORE PAINT #, PAINT NAME, & PAINT SHEEN

THIS IS A 6-8 WEEK LEAD TIME AND MUST BE ORDERED AT THE BEGINING OF PROJECT.

3-LC09-A102-REV03

## 2 KEY NOTES (#)

1. NEW STOREFRONT SIGN BY SIGN CONTRACTOR. SIGN TO BE MOUNTED ON THE FRONT OF THE BUILDING, SEE A300.
2. INSTALL GYP. BD. CEILING AS INDICATED PER THE FINISH SCHEDULE ON SHEET G020. SEE SHEET A440 FOR CEILING INSTALLATION DETAILS.
3. INSTALL NEW ACOUSTICAL CEILINGS AS INDICATED PER THE FINISH SCHEDULE ON SHEET G020. SEE SHEET A440 FOR CEILING DETAILS.
4. PROVIDE AND INSTALL 24"x24" ACCESS PANEL "STEALTH" NO EXPOSED FLANGE TYPE. PAINT TO MATCH ADJACENT CEILING AREA.
5. EXISTING RECESSED LIGHT COVE TO REMAIN. PAINT P-200 TO MATCH CEILING AT FACE AND UNDERSIDE OF LIGHT COVE. CENTER NEW TRACKS IN LIGHT COVE.
6. LINE OF EXISTING GYP. BD. SOFFIT @ 9'-6" A.F.F. TO REMAIN. PAINT P-200 TO MATCH CEILING AT FACE AND UNDERSIDE OF SOFFIT.
7. NEW WALL LIGHT FIXTURES. SEE ELEVATIONS ON A200-A210 AND ELECTRICAL SHEETS FOR MORE INFORMATION.
8. SECURITY CAMERA SYSTEM INSTALLED BY TENANT VENDOR. LOCATIONS INDICATED ON PLAN. COORDINATE WITH SECURITY VENDOR BEFORE INSTALLATION. PAINT COLLAR TO MATCH SURROUNDING CEILING AREA. (TYP.) SECURITY CAMERAS SHALL NOT RECEIVE ANY ABOVE CEILING JUNCTION BOX. THE CAMERAS HAVE THEIR OWN RECESS MOUNT KITS. LOCATION OF CAMERAS SHALL BE MARKED CLEARLY IN ORDER FOR SECURITY CAMERA TECHNICIAN TO LOCATE. ALL WIRING TO BE PROVIDED AND INSTALLED PER ELECTRICAL PLANS.
9. TRACK MOUNTED SPEAKER SYSTEM INSTALLED BY TENANT VENDOR. G.C. TO COORDINATE WITH VENDOR.
10. INSTALL TRAFFIC COUNTER (SHOPPER TRAK). REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
11. INSTALL NEW EXHAUST FAN IN THE TOILET ROOM AS INDICATED. COORDINATE WITH MECHANICAL DRAWINGS FOR DETAILS.
12. RECESSED WIRELESS ACCESS POINT, OBERON 1019-RM. GC TO PROVIDE OPENING PER DIMENSIONED LOCATION PER MANUFACTURER INSTALLATION GUIDELINES. EC TO COORDINATE POWER REQUIREMENTS, SEE ELECTRICAL DRAWINGS FOR POWER INFORMATION. AFTER INSTALLED, GC TO PAINT COVER.
13. PORTAL FIXTURES - HEIGHT: 9'-6 ¾" A.F.F.
14. OUTLINE OF SECURITY SHUTTER HOUSING CONCEALED WITHIN EXISTING SOFFIT.
15. EXISTING GYP. BD. CEILING TO REMAIN. REFINISH AS SCHEDULED.
16. PENDANT MOUNT SUSPENDED SIGN FIXTURE, PROVIDE BLOCKING ABOVE CEILING, INFILL GYP-1 GRID TO MINIMALLY COVER AREA TO INSTALL SIGN FIXTURE. MOUNT BOTTOM AT 8'-0" AFF. BRACKET HEIGHTS TO BE VERIFIED IN FIELD, SEE INTERIOR ELEVATIONS. REFER TO ELECTRICAL.
17. TRACKS SHIP WITH SPACERS, SPACERS ARE ONLY INSTALLED ON ACT CEILINGS. DO NOT INSTALL SPACERS ON A GYP BD CEILING.
18. DOORBELL/STROBE, SEE ELECTRICAL PLANS FOR MORE INFORMATION.
19. DIFFUSERS IN GYP-1 CEILING TO BE PAINTED P-200 TO MATCH CEILING. DIFFUSERS IN AC-8 TO BE PAINTED P-200 (COLOR TO MATCH ACT FINISH). ALL DIFFUSERS TO BE PAINTED PRIOR TO INSTALLATION.
20. PROVIDE AND INSTALL 18"X18" ACCESS PANEL "STEALTH" NO EXPOSED FLANGE TYPE. PAINT TO MATCH ADJACENT CEILING AREA.
21. ALIGN EDGE OF DIFFUSER WITH EDGE OF TRACK.
22. ALIGN EDGE OF WIFI WITH EDGE OF TRACK.
23. ALIGN EDGE OF ACCESS PANEL WITH EDGE OF TRACK.

2-LC09-A102-REV07

## 1 GENERAL NOTES

A. IT SHALL BE THE G.C.'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE G.C. SHALL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR.

B. EXIT LIGHTS AT THE STOREFRONT SHALL BE CEILING MOUNTED AND CENTERED OVER OPENINGS. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES AREAS SHALL BE CEILING MOUNTED AND CENTERED ABOVE DOOR OR OPENING. IF PLAN LOCATIONS ARE NOT ACCEPTABLE, IMMEDIATELY CONTACT ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION.

C. G.C.'S BID SHALL INCLUDE THE INSTALLATION OF ALL LUMINARIES AND ASSOCIATED LAMPS FURNISHED BY ESSILOR LUXOTTICA. SEE QR CODE ON THIS SHEET FOR LIGHT CUT SHEET AND INSTALLATION INSTRUCTIONS. G.C. IS RESPONSIBLE TO ENSURE THE ADJUSTABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER DIRECTION FROM G.C. LIGHT FIXTURE SPECIFICATIONS MAY VARY. IF THIS IS THE CASE, CONTRACTOR SHALL CALL THE LIGHTING DISTRIBUTOR FOR EXACT SPECIFICATION OF LIGHTING FIXTURES.

D. CEILING GRID SHALL BE CENTERED IN ROOM UNLESS OTHERWISE NOTED. LIGHTING AND ANY CEILING ELEMENT LOCATED WITHIN THE CEILING GRID SHALL BE CENTERED ON THE TILE UNLESS NOTED OTHERWISE.

E. INSTALL ALL NEW LIGHTS AND TRACK AS INDICATED. COORDINATE WITH ELECTRICAL DRAWINGS.

F. INSTALL SUPPLY AND RETURN AIR DIFFUSERS AS INDICATED. COORDINATE WITH MECHANICAL DRAWINGS FOR SPECIFIC TYPES AND INSTALLATION DETAILS. DIFFUSERS TO BE PAINTED TO MATCH SURROUNDING CEILING AREA. SEE KEYNOTE #20.

G. INSTALL NEW SPRINKLER HEADS THROUGHOUT THE SPACE. COORDINATE WITH FIRE PROTECTION PLAN. GC TO ORDER FIRE SPRINKLER CAPS WITH CUSTOM COLOR TO MATCH CEILING COLORS. CODE REQUIRES ORDERING, NOT SELF PAINTING. (TYP.) SEE NOTE ON THIS SHEET ABOUT ORDERING.

H. G.C. TO PROVIDE AND INSTALL FIRE DAMPERS IN DUCTWORK AT ANY DEMISING WALL PENETRATIONS. TYP.

I. ADEQUATE ACCESS PANELS OR DOORS SHALL BE INCORPORATED INTO TENANT WORK FOR INSPECTION SERVICE AND REPLACEMENT OF BOTH LANDLORD AND TENANT EQUIPMENT, COORDINATE PLACEMENT WITH LANDLORD'S ON-SITE REPRESENTATIVE.

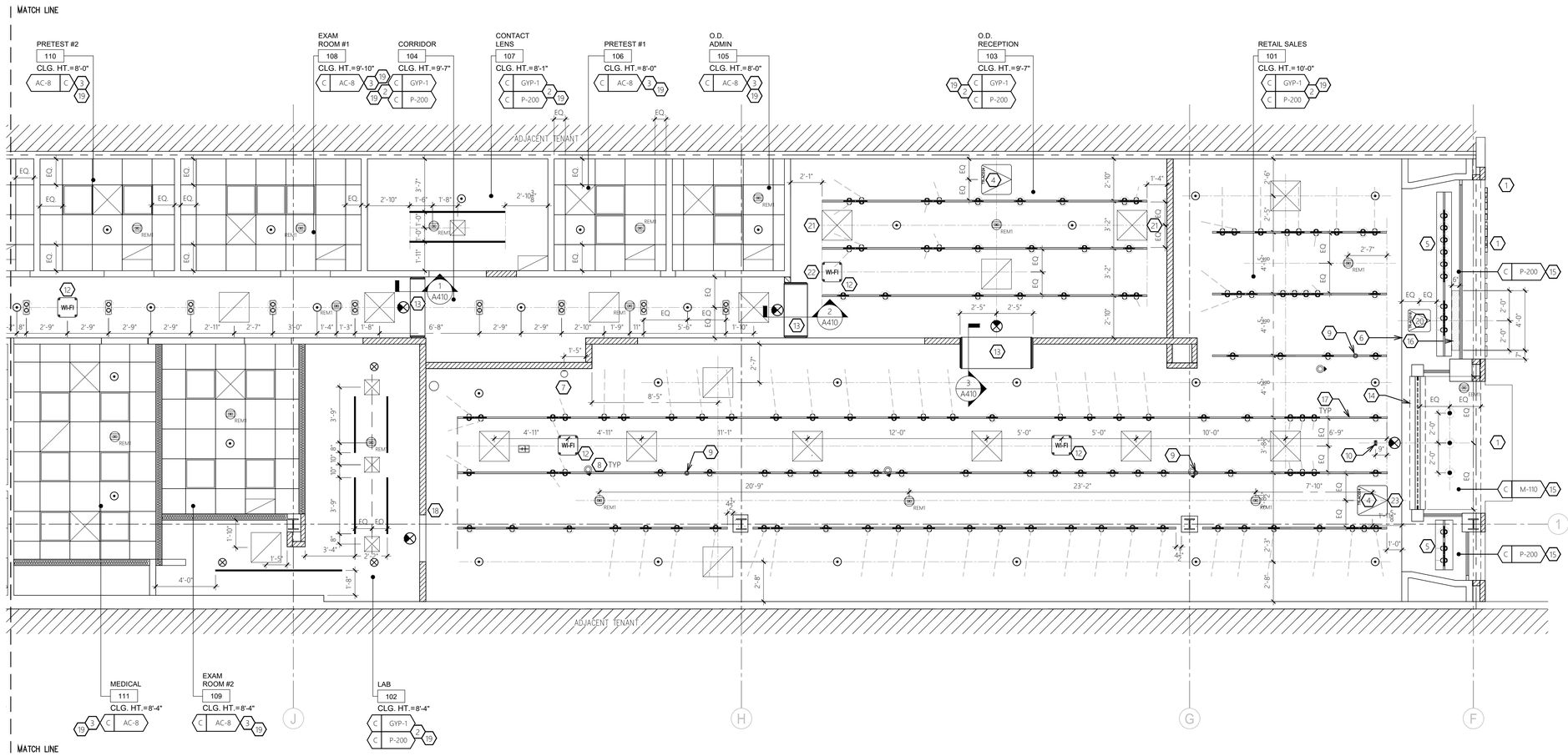
1-LC09-A102-REV05

QR CODE
- SPOTTUNE; INSTALLATION MANUAL, CUTSHEETS, INSTALLATION VIDEO
- LIGHTING BOOK; CUTSHEETS, MOUNTING INSTRUCTIONS, VIDEO

QRC-001-REV00

**GC IS REQUIRED TO SUBMIT FIRE ALARM & SPRINKLER SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL BEFORE PROCEEDING WITH INSTALLATION, INSTALLATION WITHOUT ARCHITECTS APPROVAL IS SUBJECT TO FULL CORRECTION AT GC'S COST. GC MUST ALSO SUBMITT FOR APPROVAL ANY OTHER ITEM THAT IS ADDED TO THE CEILING OTHER THAN WHAT IS SHOWN ON THIS PLAN. ANY ADDED ITEM MUST BE APPROVED BY THE ARCHITECT BEFORE PROCEEDING. ANY ITEM CONSTRUCTED IN THE CEILING WITHOUT THE ARCHITECTS APPROVAL IS SUBJECT TO FULL CORRECTION AT GC'S COST.**

NEW WORK TO BE PHASED. REFER TO PHASING PLANS FOR WHICH AREAS ARE CONSTRUCTED DURING WHICH PHASE.




## REFLECTED CEILING PLAN

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

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

**Seal**

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name: REFLECTED CEILING PLAN

Date: 05/01/2026
Drawn By: L.MITCHELL
Checked By: J.MARJI

Sheet No.: A102a

## A CEILING LEGEND

| SYMBOL | TYPE | DESCRIPTION | SYMBOL | TYPE | DESCRIPTION | SYMBOL | TYPE | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| | h1<br>h2<br>h3 | LINEAR LED LIGHT | | X1RW | EXIT SIGN - EDGE LIT LED (SEE GENERAL NOTE 'B' FOR MOUNTING) PAINT TRIM COVER TO MATCH CLG FINISH | | | SUPPLY DIFFUSER; PAINT TO MATCH CEILING FINISH |
| | e1<br>e2 | t1<br>t2<br>t3 TRACK LIGHT HEAD. COLOR TO MATCH TRACK. | | T-SPK | TRACK MOUNT SPEAKER, COLOR TO MATCH TRACK | | | RETURN DIFFUSER; PAINT TO MATCH CEILING FINISH |
| | w2 | RECESSED ADJUSTABLE 2-LIGHT DOWNLIGHT, RECTANGULAR, PAINTED TRIM TO MATCH CEILING. | | C1 | SECURITY CAMERA, PAINT ENTIRE ASSEMBLY TO MATCH CEILING FINISH EXCEPT FOR LENS SOURCE | | | CEILING ACCESS PANEL. FINISH TO MATCH CEILING FINISH - SEE PLAN FOR SIZE |
| | t#:LENGTH | SURFACE MTD. THREE CIRCUIT TRACK<br>t# = TRACK COLOR BLACK<br>LENGTH = LENGTH OF TRACK | | | CONCEALED HEAD, CUSTOM COLOR CAP TO MATCH CEILING FINISH<br>PREFERRED LOCATIONS SHOWN ON PLAN | | | EXHAUST FAN |
| | r2 | MICRO RECESSED LIGHT | | | | | TC | TRAFFIC COUNTER (SHOPPER TRAK) |
| | 00110-00 | WALL SCONCE, SEE ELEVATIONS FOR MOUNTING LOCATION AND MOUNTING HEIGHTS | | | PENDANT HEAD, | | | |
| | REM1 | RECESSED EMERGENCY LIGHT, PAINT ENTIRE ASSEMBLY TO MATCH CEILING, EXCEPT FOR LIGHT SOURCE | | | DOORBELL/STROBE - SEE ELECTRICAL SHEETS | Wi-Fi | | WIFI - RECESS/FLUSH MOUNT PAINT COVER TO MATCH CEILING FINISH |
| | p01 | RECESSED 2X2 LAY-IN FIXTURE - SEE ELECTRICAL SHEETS | | | | | | |

A-LC09-A102-REV06

## 3 SPRINKLER NOTES

FOR EXISTING FIRE SPRINKLER SYSTEM:
CONTRACTOR SHALL REWORK AND MODIFY THE SYSTEM IF NECESSARY FOR THE NEW SPACE CONFIGURATION. MODIFICATIONS SHALL BE DESIGNED AND INSTALLED BY A QUALIFIED FIRE SPRINKLER CONTRACTOR, WHO SHALL PREPARE DESIGN/SHOP DRAWINGS OF THE SYSTEM AND SUBMIT SUCH DRAWINGS TO THE ARCHITECT, LANDLORD AND BUILDING & FIRE DEPARTMENTS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION. ALL WORK SHALL BE DONE IN ACCORDANCE WITH NFPA, STANDARD 101, AND ANY OTHER STATE OR LOCAL CODES HAVING JURISDICTION.

SPRINKLER COVER PLATE, CUSTOM COLORED FINISH
THIS IS A GC SUPPLIED AND INSTALLED ITEM.

TO ORDER, CONTACT QUICK RESPONSE FIRE SUPPLY (888) 361-6662. THERE WILL BE A PAINT SETUP FEE "PER ORDER."

INFORMATION TO HAVE READY:
- SPRINKLER IDENTIFICATION NUMBER OR SIN #(TYPICALLY ON SPRINKLER HEAD BEGINNING WITH 1-2 LETTERS FOLLOWED BY 3-4 #'S.)
- QUANTITY
- BENJAMIN MOORE PAINT #, PAINT NAME, & PAINT SHEEN

THIS IS A 6-8 WEEK LEAD TIME AND MUST BE ORDERED AT THE BEGINING OF PROJECT.

3-LC09-A102-REV03

## 2 KEY NOTES ⟨#⟩

1. NEW STOREFRONT SIGN BY SIGN CONTRACTOR. SIGN TO BE MOUNTED ON THE FRONT OF THE BUILDING, SEE A300.
2. INSTALL GYP. BD. CEILING AS INDICATED PER THE FINISH SCHEDULE ON SHEET G020. SEE SHEET A440 FOR CEILING INSTALLATION DETAILS.
3. INSTALL NEW ACOUSTICAL CEILINGS AS INDICATED PER THE FINISH SCHEDULE ON SHEET G020. SEE SHEET A440 FOR CEILING DETAILS.
4. PROVIDE AND INSTALL 24"x24" ACCESS PANEL "STEALTH" NO EXPOSED FLANGE TYPE. PAINT TO MATCH ADJACENT CEILING AREA.
5. EXISTING RECESSED LIGHT COVE TO REMAIN. PAINT P-200 TO MATCH CEILING AT FACE AND UNDERSIDE OF LIGHT COVE. CENTER NEW TRACKS IN LIGHT COVE.
6. LINE OF EXISTING GYP. BD. SOFFIT @ 9'-6" A.F.F. TO REMAIN. PAINT P-200 TO MATCH CEILING AT FACE AND UNDERSIDE OF SOFFIT.
7. NEW WALL LIGHT FIXTURES. SEE ELEVATIONS ON A200-A210 AND ELECTRICAL SHEETS FOR MORE INFORMATION.
8. SECURITY CAMERA SYSTEM INSTALLED BY TENANT VENDOR. LOCATIONS INDICATED ON PLAN. COORDINATE WITH SECURITY VENDOR BEFORE INSTALLATION. PAINT COLLAR TO MATCH SURROUNDING CEILING AREA. (TYP.) SECURITY CAMERAS SHALL NOT RECEIVE ANY ABOVE CEILING JUNCTION BOX. THE CAMERAS HAVE THEIR OWN RECESS MOUNT KITS. LOCATION OF CAMERAS SHALL BE MARKED CLEARLY IN ORDER FOR SECURITY CAMERA TECHNICIAN TO LOCATE. ALL WIRING TO BE PROVIDED AND INSTALLED PER ELECTRICAL PLANS.
9. TRACK MOUNTED SPEAKER SYSTEM INSTALLED BY TENANT VENDOR. G.C. TO COORDINATE WITH VENDOR.
10. INSTALL TRAFFIC COUNTER (SHOPPER TRAK). REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
11. INSTALL NEW EXHAUST FAN IN THE TOILET ROOM AS INDICATED. COORDINATE WITH MECHANICAL DRAWINGS FOR DETAILS.
12. RECESSED WIRELESS ACCESS POINT, OBERON 1019-RM. GC TO PROVIDE OPENING PER DIMENSIONED LOCATION PER MANUFACTURER INSTALLATION GUIDELINES. EC TO COORDINATE POWER REQUIREMENTS, SEE ELECTRICAL DRAWINGS FOR POWER INFORMATION. AFTER INSTALLED, GC TO PAINT COVER.
13. PORTAL FIXTURES - HEIGHT: 9'-6 ¾" A.F.F.
14. OUTLINE OF SECURITY SHUTTER HOUSING CONCEALED WITHIN EXISTING SOFFIT.
15. EXISTING GYP. BD. CEILING TO REMAIN. REFINISH AS SCHEDULED.
16. PENDANT MOUNT SUSPENDED SIGN FIXTURE, PROVIDE BLOCKING ABOVE CEILING, INFILL GYP-1 GRID TO MINIMALLY COVER AREA TO INSTALL SIGN FIXTURE. MOUNT BOTTOM AT 8'-0" AFF. BRACKET HEIGHTS TO BE VERIFIED IN FIELD, SEE INTERIOR ELEVATIONS. REFER TO ELECTRICAL.
17. TRACKS SHIP WITH SPACERS, SPACERS ARE ONLY INSTALLED ON ACT CEILINGS. DO NOT INSTALL SPACERS ON A GYP BD CEILING.
18. DOORBELL/STROBE, SEE ELECTRICAL PLANS FOR MORE INFORMATION.
19. DIFFUSERS IN GYP-1 CEILING TO BE PAINTED P-200 TO MATCH CEILING. DIFFUSERS IN AC-8 TO BE PAINTED P-200 (COLOR TO MATCH ACT FINISH). ALL DIFFUSERS TO BE PAINTED PRIOR TO INSTALLATION.
20. PROVIDE AND INSTALL 18"X18" ACCESS PANEL "STEALTH" NO EXPOSED FLANGE TYPE. PAINT TO MATCH ADJACENT CEILING AREA.
21. ALIGN EDGE OF DIFFUSER WITH EDGE OF TRACK.
22. ALIGN EDGE OF WIFI WITH EDGE OF TRACK.
23. ALIGN EDGE OF ACCESS PANEL WITH EDGE OF TRACK.

2-LC09-A102-REV07

## 1 GENERAL NOTES

A. IT SHALL BE THE G.C.'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE G.C. SHALL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR.

B. EXIT LIGHTS AT THE STOREFRONT SHALL BE CEILING MOUNTED AND CENTERED OVER OPENINGS. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES AREAS SHALL BE CEILING MOUNTED AND CENTERED ABOVE DOOR OR OPENING. IF PLAN LOCATIONS ARE NOT ACCEPTABLE, IMMEDIATELY CONTACT ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION.

C. G.C.'S BID SHALL INCLUDE THE INSTALLATION OF ALL LUMINARIES AND ASSOCIATED LAMPS FURNISHED BY ESSILOR LUXOTTICA. SEE QR CODE ON THIS SHEET FOR LIGHT CUT SHEET AND INSTALLATION INSTRUCTIONS. G.C. IS RESPONSIBLE TO ENSURE THE ADJUSTABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER DIRECTION FROM G.C. LIGHT FIXTURE SPECIFICATIONS MAY VARY. IF THIS IS THE CASE, CONTRACTOR SHALL CALL THE LIGHTING DISTRIBUTOR FOR EXACT SPECIFICATION OF LIGHTING FIXTURES.

D. CEILING GRID SHALL BE CENTERED IN ROOM UNLESS OTHERWISE NOTED. LIGHTING AND ANY CEILING ELEMENT LOCATED WITHIN THE CEILING GRID SHALL BE CENTERED ON THE TILE UNLESS NOTED OTHERWISE.

E. INSTALL ALL NEW LIGHTS AND TRACK AS INDICATED. COORDINATE WITH ELECTRICAL DRAWINGS.

F. INSTALL SUPPLY AND RETURN AIR DIFFUSERS AS INDICATED. COORDINATE WITH MECHANICAL DRAWINGS FOR SPECIFIC TYPES AND INSTALLATION DETAILS. DIFFUSERS TO BE PAINTED TO MATCH SURROUNDING CEILING AREA. SEE KEYNOTE #20.

G. INSTALL NEW SPRINKLER HEADS THROUGHOUT THE SPACE. COORDINATE WITH FIRE PROTECTION PLAN. GC TO ORDER FIRE SPRINKLER CAPS WITH CUSTOM COLOR TO MATCH CEILING COLORS. CODE REQUIRES ORDERING, NOT SELF PAINTING. (TYP.) SEE NOTE ON THIS SHEET ABOUT ORDERING.

H. G.C. TO PROVIDE AND INSTALL FIRE DAMPERS IN DUCTWORK AT ANY DEMISING WALL PENETRATIONS. TYP.

I. ADEQUATE ACCESS PANELS OR DOORS SHALL BE INCORPORATED INTO TENANT WORK FOR INSPECTION SERVICE AND REPLACEMENT OF BOTH LANDLORD AND TENANT EQUIPMENT, COORDINATE PLACEMENT WITH LANDLORD'S ON-SITE REPRESENTATIVE.

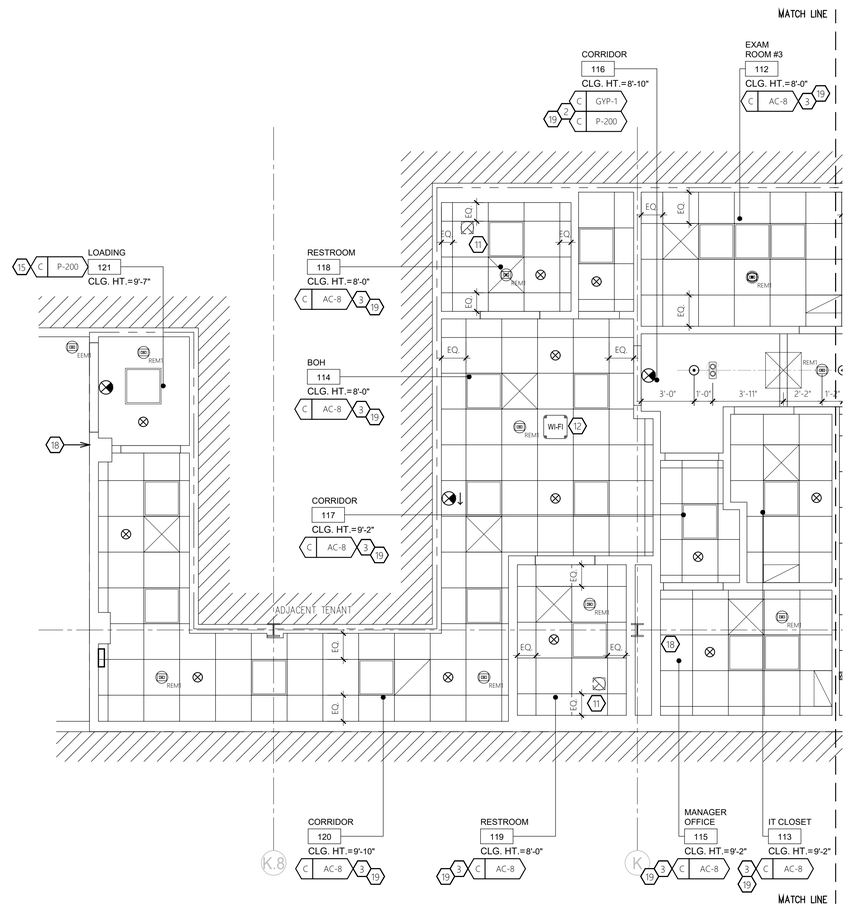
1-LC09-A102-REV05

QR CODE
- SPOTTUNE; INSTALLATION MANUAL, CUTSHEETS, INSTALLATION VIDEO
- LIGHTING BOOK; CUTSHEETS, MOUNTING INSTRUCTIONS, VIDEO

QRC-001-REV00

**GC IS REQUIRED TO SUBMIT FIRE ALARM & SPRINKLER SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL BEFORE PROCEEDING WITH INSTALLATION, INSTALLATION WITHOUT ARCHITECTS APPROVAL IS SUBJECT TO FULL CORRECTION AT GC'S COST. GC MUST ALSO SUBMITT FOR APPROVAL ANY OTHER ITEM THAT IS ADDED TO THE CEILING OTHER THAN WHAT IS SHOWN ON THIS PLAN. ANY ADDED ITEM MUST BE APPROVED BY THE ARCHITECT BEFORE PROCEEDING. ANY ITEM CONSTRUCTED IN THE CEILING WITHOUT THE ARCHITECTS APPROVAL IS SUBJECT TO FULL CORRECTION AT GC'S COST.**

NEW WORK TO BE PHASED. REFER TO PHASING PLANS FOR WHICH AREAS ARE CONSTRUCTED DURING WHICH PHASE.




## REFLECTED CEILING PLAN

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

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

STORE #518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

EssilorLuxottica Project Number 101399

Brand Design Type:
LC09

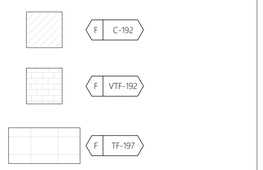
ISSUED FOR:
- ☐ 100% PRELIM
- ☒ 100% FINAL
- ☒ PERMIT
- ☐ CONSTRUCTION
- ☐ ADDENDUM
- ☐ BULLETIN

Sheet Name:
REFLECTED CEILING PLAN

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.:
A102b

## 6 FLOOR TILE PATTERN DETAIL




6-LC09-A103-REV02

## 5 SLAB CONDITION GENERAL NOTES

**WATER PROOFING:**
EXTENT OF WATERPROOF MEMBRANE SHALL BE VERIFIED WITH LLD BY THE GC.
THE G.C. SHALL INSTALL A WATER PROOF MEMBRANE IN ALL WET AREAS, TOILET ROOMS, MOP SINK AND DRINKING FOUNTAIN AND ALL OD SINK AREAS. THE SLAB SHALL BE WATER PROOFED USING A 30 MIL POLYETHYLENE CLEAVAGE MEMBRANE EQUAL TO WM-101 INSTALLED PER MANUFACTURES RECOMMENDATIONS AND ANSI-A108 MEMBRANE SHALL EXTEND AROUND PERIMETER OF THE ROOM A MINIMUM OF (6") SIX INCHES IN HEIGHT OR EQUAL TO THE HEIGHT OF THE BASE. SLEEVES AND FIXTURES MUST BE FLASHED INTO THE MEMBRANE. ALL PENETRATIONS MUST BE SEALED IN ACCORDANCE WITH THE MFG'S RECOMMENDATIONS. BEFORE INSTALLATION OF THE FINISHED FLOOR, THE FLOORING CONTRACTOR MUST DEMONSTRATE WATERTIGHT INTEGRITY OF THE MEMBRANE TO THE LANDLORDS FIELD REPRESENTATIVE. IN THE TOILET ROOM WM-101 MEMBRANE TO EXTEND 6" IN HEIGHT AT THE DOOR FOR THE DURATION OF THE LANDLORD'S TEST.

**MOISTURE TEST:**
CONCRETE SUBSTRATES: PREPARE ACCORDING TO ASTM F710. VERIFY THAT SUBSTRATES ARE DRY AND FREE OF CURING COMPOUNDS, SEALERS, AND HARDENERS.
REMOVE SUBSTRATE COATINGS AND OTHER SUBSTANCES THAT ARE INCOMPATIBLE WITH ADHESIVES AND THAT CONTAIN SOAP, WAX, OIL, OR SILICONE, USING MECHANICAL METHODS RECOMMENDED BY FLOORING MANUFACTURER. DO NOT USE SOLVENTS.

ALKALINITY AND ADHESION TESTING: PERFORM TESTS RECOMMENDED BY RESILIENT SHEET FLOORING MANUFACTURER. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATE ALKALINITY FALLS WITHIN RANGE ON PH SCALE RECOMMENDED BY MANUFACTURER PER TYPE OF FLOORING.

MOISTURE TESTING: PERFORM TESTS SO THAT EACH TEST AREA DOES NOT EXCEED 300 SQ. FT. AND PERFORM NO FEWER THAN THREE TESTS IN EACH INSTALLATION AREA AND WITH TESTS AREAS EVENLY SPACED IN INSTALLATION AREAS.

ANHYDROUS CALCIUM CHLORIDE TEST: ASTM F1869. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATES HAVE MAXIMUM MOISTURE-VAPOR-EMISSION RATE OF 3 LB OF WATER/1000 SQ. FT. (1.36 kg of water/92.9 sq. m) in 24 HOURS.

IF REQUIRED BY MANUFACTURE: RELATIVE HUMIDITY TEST: USING IN-SITU PROVES, ASTM F2170. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATES HAVE A MAXIMUM 75 PERCENT RELATIVE HUMIDTY LEVEL MEASUREMENT.

5-LC09-A103-REV02

## 3 FINISH SYMBOL KEY

F XXXX FLOOR
B XXXX BASE
W XXXX WALL

3-LC09-A103-REV04

## 4 MATERIAL FIRE RATINGS

| MATERIAL | FLAME SPREAD | SMOKE DENSITY |
|---|---|---|
| PLASTIC LAMINATE | 80 (BONDED) | 95 (BONDED) |
| CARPET | 26 - 75 | 450 OR LESS |
| VINYL TILE | 0.45 | 450 OR LESS |
| LAY-IN CEILING | 25 | 10 |
| FRP | 150 | 245 |
| VINYL BASE | 0.45 | 450 OR LESS |
| | | |

4-LC09-A103-REV00

## 2 KEY NOTES #

1. BOX-OUT AS SHOWN ON A-101 OVER EXISTING SUBSTRATE AND FRAMING. CLAD WITH M-110 FINISH.
2. PAINT INTERIOR STOREFRONT AREA PARTITIONS (P-110) AS INDICATED. SEE SALES AREA ELEVATIONS FOR EXTENTS OF WALL FINISHES.
3. START FULL TILE AT THIS LOCATION. CENTER TILE GROUT LINE OFF ENTRY DOORS.
4. GC TO DEMARCATE, WITH CAUTION TAPE ON THE FLOOR, THE REQUIRED CLEARANCE AT THE ELECTRICAL EQUIPMENT. MUST BE 42" CLEAR FROM FACE OF EQUIPMENT & 30" CLEAR SIDE TO SIDE, ABOVE AND BELOW.
5. INSTALL NEW F.R.P. FRP-2 TO UNDERSIDE OF CEILING AT THE MOP SINK LOCATION AS INDICATED. ARROWS AND DIMENSION INDICATES EXTENTS (ALL 3 SIDES). CAULK AROUND FRP TO THE WALLS WITH WHITE SILICONE CAULKING. REFER TO FINISH SCHEDULE AND ACCOUNT FOR ANY LEAD TIME ISSUES FOR COLOR SPECIFIC F.R.P.
6. INSTALL WATERPROOF MEMBRANE (WM-101) MEMBRANE MUST EXTEND A MIN. OF 6" UP THE WALL. SEE WATERPROOFING NOTE THIS SHEET.
7. WALL BASE TO CONTINUE INTO PORTAL RECESS.
8. SEE DETAIL 6/A411 FOR WALL BASE AT OUTSIDE CORNER AT A PORTAL LOCATION.
9. EXISTING MALL FLOORING TO CLOSURE LINE TO REMAIN, IF DAMAGED DURING CONSTRUCTION GC TO REPLACE.
10. INSTALLATION PATTERN FOR TF-197 TO BE STACKED. REFER TO DETAIL '6' ON THIS SHEET.
11. WALL BASE TO WRAP CORNER AND EXTEND 2" BACK BEHIND PERIMETER FIXTURES.
12. WALL BASE IS ONLY REQUIRED WHERE SHOWN. WALL BASE IS NOT REQUIRED BEHIND MILLWORK THAT GOES TO THE FLOOR.
13. REFER TO FINISH SCHEDULE FOR GROUT INFORMATION. GC IS RESPONSIBLE FOR COORDINATING THE REQUIRED SEVEN DAYS OF PROTECTION OF THE GROUT. TRADES THAT PRODUCE ANY TYPE OF DUST/DEBRIS CANNOT BE DONE UNLESS THE GROUT IS PROPERLY PROTECTED.
14. SCRUB AND SEAL VINYL FLOORING PRIOR TO TURNOVER. REFER TO MANUFACTURER'S SPECIFICATIONS.
15. PAINT FACE OF THERMOSTAT SENSOR TO MATCH WALL, KEEP SENSOR AREAS CLEAN OF PAINT.
16. REFINISH EXISTING STOREFRONT FRAMING COLUMNS TO MATCH M-110.
17. WALLCOVERING IN O.D. RECEPTION TO CONTINUE 2" BEHIND NAMING FIXTURE.
18. TF-197 TO CONTINUE UP RESTROOM WALLS 48". REFER TO A210.
19. MIRROR TO BE MEASURED AND INSTALLED FOLLOWING THE ADJACENT CASHWRAP BEING INSTALLED.

2-LC09-A103-REV07

## 1 GENERAL NOTES

A. G.C. IS RESPONSIBLE FOR ANY PREPARATION OF THE FLOOR SLAB AND PROCUREMENT OF MATERIALS REQUIRED AT THE ENTRANCE TO PRODUCE A FLUSH CONDITION BETWEEN THE STORE LEASE LINE AND THE EXISTING MALL FLOORING.

B. G.C. IS RESPONSIBLE FOR INSTALLING ALL FINISH FLOORING PER MANUFACTURER'S SPECIFICATIONS. G.C. IS ALSO RESPONSIBLE FOR ALL FINISH MATERIALS BEHIND AND UNDER ALL MILLWORK.

C. REFER TO FINISH SCHEDULE ON SHEET G020 AND SPECIFICATIONS ON SHEET G003-G005.

D. ALL TENANT FURNISHED ITEMS (MATERIAL & LABOR) TO BE SCHEDULED, COORDINATED & SUPERVISED BY G.C.

E. ALLOW (2) WEEKS DRY TIME FOR ALL PAINTED WALLS BEFORE APPLYING GRAPHICS. SEE SPECIFICATIONS FOR SEQUENCING OF PAINTING THE WALLS IN RELATION TO FIXTURE INSTALLATION.

F. REFER TO DOOR SCHEDULE ON SHEET G010 FOR DOOR FINISHES. GC TO PREP EXISTING DOORS PRIOR TO RE-FINISHING.

G. G.C. TO PROVIDE DURABLE FLOOR PROTECTION DURING CONSTRUCTION. PROVIDE WALK-OFF MAT AT BOTH SIDE OF ENTRY POINT(S) OF CONSTRUCTION AREA.

H. REFER TO DETAIL 5/A410 FOR SLAB POUR BACK DETAIL.

I. G.C. TO PERFORM MOISTURE TEST, SEE SLAB CONDITIONS GENERAL NOTE ON THIS SHEET.

J. GC TO PREP CONCRETE FLOOR FOR NEW FLOORING INSTALLATION. CLEAN, SCRAPE, GRIND, PATCH AND REPAIR CONCRETE AS REQUIRED. GC TO VERIFY EXISTING FLOOR CONDITIONS MEETS AND ARE IN COMPLIANCE WITH ANSI STANDARD FOR THIN SET TILE AND THE LATEST EDITION OF TILE COUNCIL OF AMERICA. IF THERE ARE ISSUES OR DEFICIENCIES, CONTACT ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO INSTALLATION.

K. INSTALL NEW FLOOR TILE AS SHOWN. G.C. TO MAINTAIN 1/8" GROUT JOINT FOR FLOORING. PROVIDE ALL FLOORING TRANSITIONS AS REQUIRED.

L. GC IS RESPONSIBLE FOR COORDINATING FLOOR PROTECTION. AFTER THE GROUT IS INSTALLED, FOR A MINIMUM OF SEVEN DAYS (WHEN USING SPECIFIED LATICRETE SPECTRALOCK PRO PREMIUM) TO ENSURE DUST AND DEBRIS DOES NOT CHANGE THE GROUT COLOR.

M. SEE G020 FOR FLOORING AND WALL BASE TAKE OFF CHART.

N. SEE DETAILS 11 & 12/A411 FOR NEW WALL BASE AND DETAIL 6&7/A411 FOR WHEN WALL BASE WRAPS A CORNER.

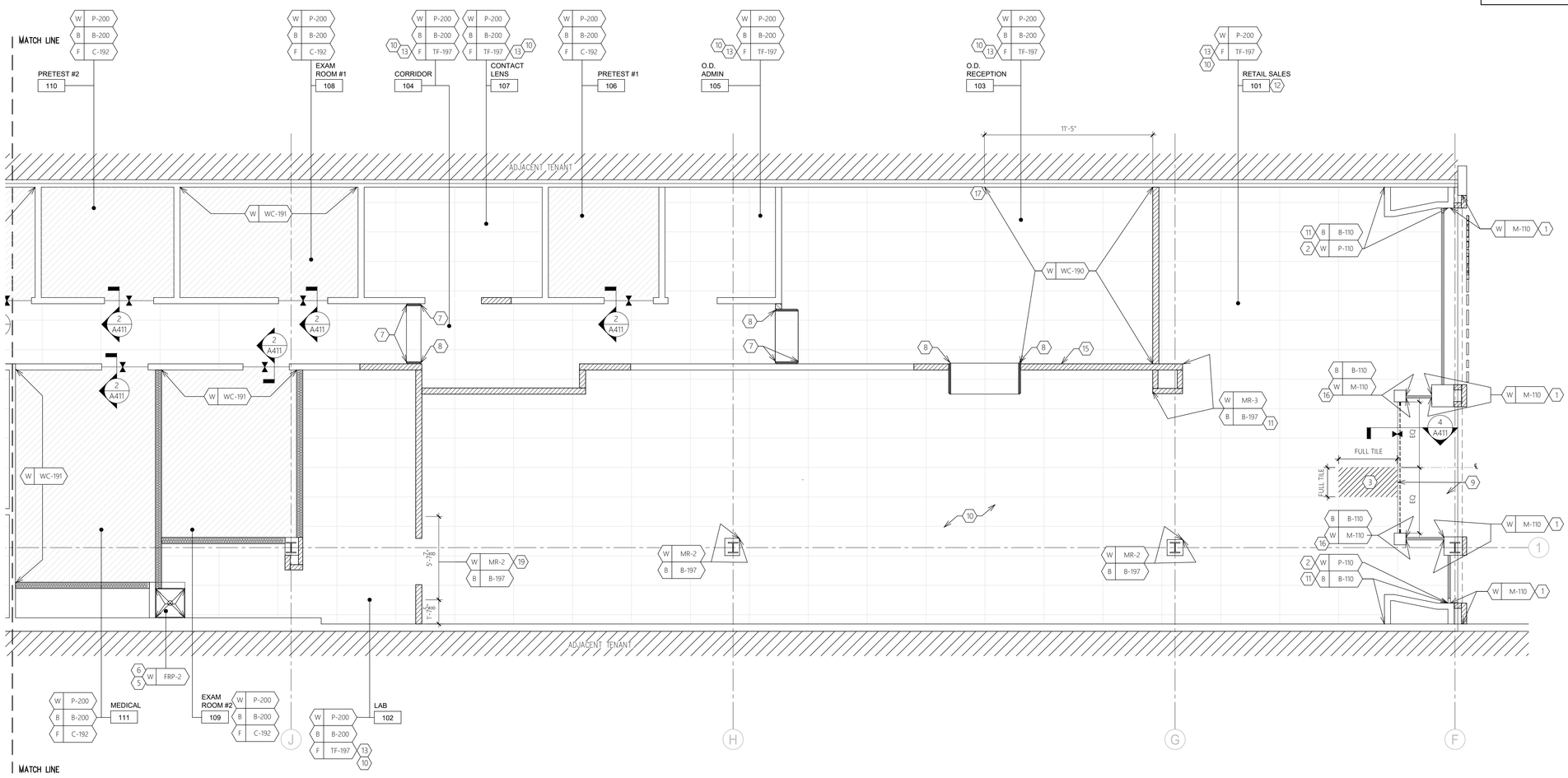
O. REFER TO REFLECTED CEILING PLAN ON SHEET A102 FOR CEILING AND SOFFIT FINISHES.

1-LC09-A103-REV05

| LC09 ELEC. / DATA FACEPLATE, SWITCHES & PLUGS COLOR SCHEDULE | |
|---|---|
| WALL FINISH | LUTRON DEVICE COLOR |
| P-200 | PUMICE (PM) |
| WC-191 | PUMICE (PM) |

UTILIZE LUTRON FOR ALL ELECTRICAL DEVICES. APPLIES TO SWITCHES, (DEVICES & FACEPLATES), RECEPTACLES, (DEVICES & FACEPLATES), DATA, (INSERTS AND FACEPLATES. JACK COLORS NOT APPLICABLE) . HDMI PORTS AND OCCUPANCY SENSORS. SHOULD ANY DEVICES BE LOCATED ON WALLS WITH OTHER FINISHES RATHER THAN WHAT IS SPECIFIED ABOVE, GC SHALL PROVIDE AN RFI TO THE ESSILOR LUXOTTICA PROJECT MANAGER.

ELECTRICIAN MUST COORDINATE WITH ARCHITECTURAL FINISH PLAN SHEET.




## FINISH PLAN
SCALE: 1/4" = 1'-0"

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

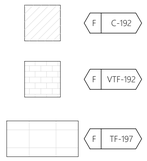
| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name:
FINISH PLAN

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.: A103a

## 6 FLOOR TILE PATTERN DETAIL




6-LC09-A103-REV02

## 5 SLAB CONDITION GENERAL NOTES

**WATER PROOFING:**
EXTENT OF WATERPROOF MEMBRANE SHALL BE VERIFIED WITH LLD BY THE GC.
THE G.C. SHALL INSTALL A WATER PROOF MEMBRANE IN ALL WET AREAS, TOILET ROOMS, MOP SINK AND DRINKING FOUNTAIN AND ALL OD SINK AREAS. THE SLAB SHALL BE WATER PROOFED USING A 30 MIL POLYETHYLENE CLEAVAGE MEMBRANE EQUAL TO WM-101 INSTALLED PER MANUFACTURES RECOMMENDATIONS AND ANSI-A108 MEMBRANE SHALL EXTEND AROUND PERIMETER OF THE ROOM A MINIMUM OF (6") SIX INCHES IN HEIGHT OR EQUAL TO THE HEIGHT OF THE BASE. SLEEVES AND FIXTURES MUST BE FLASHED INTO THE MEMBRANE. ALL PENETRATIONS MUST BE SEALED IN ACCORDANCE WITH THE MFG'S RECOMMENDATIONS. BEFORE INSTALLATION OF THE FINISHED FLOOR, THE FLOORING CONTRACTOR MUST DEMONSTRATE WATERTIGHT INTEGRITY OF THE MEMBRANE TO THE LANDLORDS FIELD REPRESENTATIVE. IN THE TOILET ROOM WM-101 MEMBRANE TO EXTEND 6" IN HEIGHT AT THE DOOR FOR THE DURATION OF THE LANDLORD'S TEST.

**MOISTURE TEST:**
CONCRETE SUBSTRATES: PREPARE ACCORDING TO ASTM F710. VERIFY THAT SUBSTRATES ARE DRY AND FREE OF CURING COMPOUNDS, SEALERS, AND HARDENERS.
REMOVE SUBSTRATE COATINGS AND OTHER SUBSTANCES THAT ARE INCOMPATIBLE WITH ADHESIVES AND THAT CONTAIN SOAP, WAX, OIL, OR SILICONE, USING MECHANICAL METHODS RECOMMENDED BY FLOORING MANUFACTURER. DO NOT USE SOLVENTS.

ALKALINITY AND ADHESION TESTING: PERFORM TESTS RECOMMENDED BY RESILIENT SHEET FLOORING MANUFACTURER. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATE ALKALINITY FALLS WITHIN RANGE ON PH SCALE RECOMMENDED BY MANUFACTURER PER TYPE OF FLOORING.

MOISTURE TESTING: PERFORM TESTS SO THAT EACH TEST AREA DOES NOT EXCEED 300 SQ. FT. AND PERFORM NO FEWER THAN THREE TESTS IN EACH INSTALLATION AREA AND WITH TESTS AREAS EVENLY SPACED IN INSTALLATION AREAS.

ANHYDROUS CALCIUM CHLORIDE TEST: ASTM F1869. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATES HAVE MAXIMUM MOISTURE-VAPOR-EMISSION RATE OF 3 LB OF WATER/1000 SQ. FT. (1.36 kg of water/92.9 sq. m) in 24 HOURS.

IF REQUIRED BY MANUFACTURE: RELATIVE HUMIDITY TEST: USING IN-SITU PROVES, ASTM F2170. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATES HAVE A MAXIMUM 75 PERCENT RELATIVE HUMIDTY LEVEL MEASUREMENT.

5-LC09-A103-REV02

## 3 FINISH SYMBOL KEY

F XXXX FLOOR
B XXXX BASE
W XXXX WALL

3-LC09-A103-REV04

## 4 MATERIAL FIRE RATINGS

| MATERIAL | FLAME SPREAD | SMOKE DENSITY |
|---|---|---|
| PLASTIC LAMINATE | 80 (BONDED) | 95 (BONDED) |
| CARPET | 26 - 75 | 450 OR LESS |
| VINYL TILE | 0.45 | 450 OR LESS |
| LAY-IN CEILING | 25 | 10 |
| FRP | 150 | 245 |
| VINYL BASE | 0.45 | 450 OR LESS |
| | | |

4-LC09-A103-REV00

## 2 KEY NOTES (#)

1. BOX-OUT AS SHOWN ON A-101 OVER EXISTING SUBSTRATE AND FRAMING. CLAD WITH M-110 FINISH.
2. PAINT INTERIOR STOREFRONT AREA PARTITIONS (P-110) AS INDICATED. SEE SALES AREA ELEVATIONS FOR EXTENTS OF WALL FINISHES.
3. START FULL TILE AT THIS LOCATION. CENTER TILE GROUT LINE OFF ENTRY DOORS.
4. GC TO DEMARCATE, WITH CAUTION TAPE ON THE FLOOR, THE REQUIRED CLEARANCE AT THE ELECTRICAL EQUIPMENT. MUST BE 42" CLEAR FROM FACE OF EQUIPMENT & 30" CLEAR SIDE TO SIDE, ABOVE AND BELOW.
5. INSTALL NEW F.R.P. FRP-2 TO UNDERSIDE OF CEILING AT THE MOP SINK LOCATION AS INDICATED. ARROWS AND DIMENSION INDICATES EXTENTS (ALL 3 SIDES). CAULK AROUND FRP TO THE WALLS WITH WHITE SILICONE CAULKING. REFER TO FINISH SCHEDULE AND ACCOUNT FOR ANY LEAD TIME ISSUES FOR COLOR SPECIFIC F.R.P.
6. INSTALL WATERPROOF MEMBRANE (WM-101) MEMBRANE MUST EXTEND A MIN. OF 6" UP THE WALL. SEE WATERPROOFING NOTE THIS SHEET.
7. WALL BASE TO CONTINUE INTO PORTAL RECESS.
8. SEE DETAIL 6/A411 FOR WALL BASE AT OUTSIDE CORNER AT A PORTAL LOCATION.
9. EXISTING MALL FLOORING TO CLOSURE LINE TO REMAIN, IF DAMAGED DURING CONSTRUCTION GC TO REPLACE.
10. INSTALLATION PATTERN FOR TF-197 TO BE STACKED. REFER TO DETAIL '6' ON THIS SHEET.
11. WALL BASE TO WRAP CORNER AND EXTEND 2" BACK BEHIND PERIMETER FIXTURES.
12. WALL BASE IS ONLY REQUIRED WHERE SHOWN. WALL BASE IS NOT REQUIRED BEHIND MILLWORK THAT GOES TO THE FLOOR.
13. REFER TO FINISH SCHEDULE FOR GROUT INFORMATION. GC IS RESPONSIBLE FOR COORDINATING THE REQUIRED SEVEN DAYS OF PROTECTION OF THE GROUT. TRADES THAT PRODUCE ANY TYPE OF DUST/DEBRIS CANNOT BE DONE UNLESS THE GROUT IS PROPERLY PROTECTED.
14. SCRUB AND SEAL VINYL FLOORING PRIOR TO TURNOVER. REFER TO MANUFACTURER'S SPECIFICATIONS.
15. PAINT FACE OF THERMOSTAT SENSOR TO MATCH WALL, KEEP SENSOR AREAS CLEAN OF PAINT.
16. REFINISH EXISTING STOREFRONT FRAMING COLUMNS TO MATCH M-110.
17. WALLCOVERING IN O.D. RECEPTION TO CONTINUE 2" BEHIND NAMING FIXTURE.
18. TF-197 TO CONTINUE UP RESTROOM WALLS 48". REFER TO A210.
19. MIRROR TO BE MEASURED AND INSTALLED FOLLOWING THE ADJACENT CASHWRAP BEING INSTALLED.

2-LC09-A103-REV07

## 1 GENERAL NOTES

A. G.C. IS RESPONSIBLE FOR ANY PREPARATION OF THE FLOOR SLAB AND PROCUREMENT OF MATERIALS REQUIRED AT THE ENTRANCE TO PRODUCE A FLUSH CONDITION BETWEEN THE STORE LEASE LINE AND THE EXISTING MALL FLOORING.

B. G.C. IS RESPONSIBLE FOR INSTALLING ALL FINISH FLOORING PER MANUFACTURER'S SPECIFICATIONS. G.C. IS ALSO RESPONSIBLE FOR ALL FINISH MATERIALS BEHIND AND UNDER ALL MILLWORK.

C. REFER TO FINISH SCHEDULE ON SHEET G020 AND SPECIFICATIONS ON SHEET G003-G005.

D. ALL TENANT FURNISHED ITEMS (MATERIAL & LABOR) TO BE SCHEDULED, COORDINATED & SUPERVISED BY G.C.

E. ALLOW (2) WEEKS DRY TIME FOR ALL PAINTED WALLS BEFORE APPLYING GRAPHICS. SEE SPECIFICATIONS FOR SEQUENCING OF PAINTING THE WALLS IN RELATION TO FIXTURE INSTALLATION.

F. REFER TO DOOR SCHEDULE ON SHEET G010 FOR DOOR FINISHES. GC TO PREP EXISTING DOORS PRIOR TO RE-FINISHING.

G. G.C. TO PROVIDE DURABLE FLOOR PROTECTION DURING CONSTRUCTION. PROVIDE WALK-OFF MAT AT BOTH SIDE OF ENTRY POINT(S) OF CONSTRUCTION AREA.

H. REFER TO DETAIL 5/A410 FOR SLAB POUR BACK DETAIL.

I. G.C. TO PERFORM MOISTURE TEST, SEE SLAB CONDITIONS GENERAL NOTE ON THIS SHEET.

J. GC TO PREP CONCRETE FLOOR FOR NEW FLOORING INSTALLATION. CLEAN, SCRAPE, GRIND, PATCH AND REPAIR CONCRETE AS REQUIRED. GC TO VERIFY EXISTING FLOOR CONDITIONS MEETS AND ARE IN COMPLIANCE WITH ANSI STANDARD FOR THIN SET TILE AND THE LATEST EDITION OF TILE COUNCIL OF AMERICA. IF THERE ARE ISSUES OR DEFICIENCIES, CONTACT ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO INSTALLATION.

K. INSTALL NEW FLOOR TILE AS SHOWN. G.C. TO MAINTAIN 1/8" GROUT JOINT FOR FLOORING. PROVIDE ALL FLOORING TRANSITIONS AS REQUIRED.

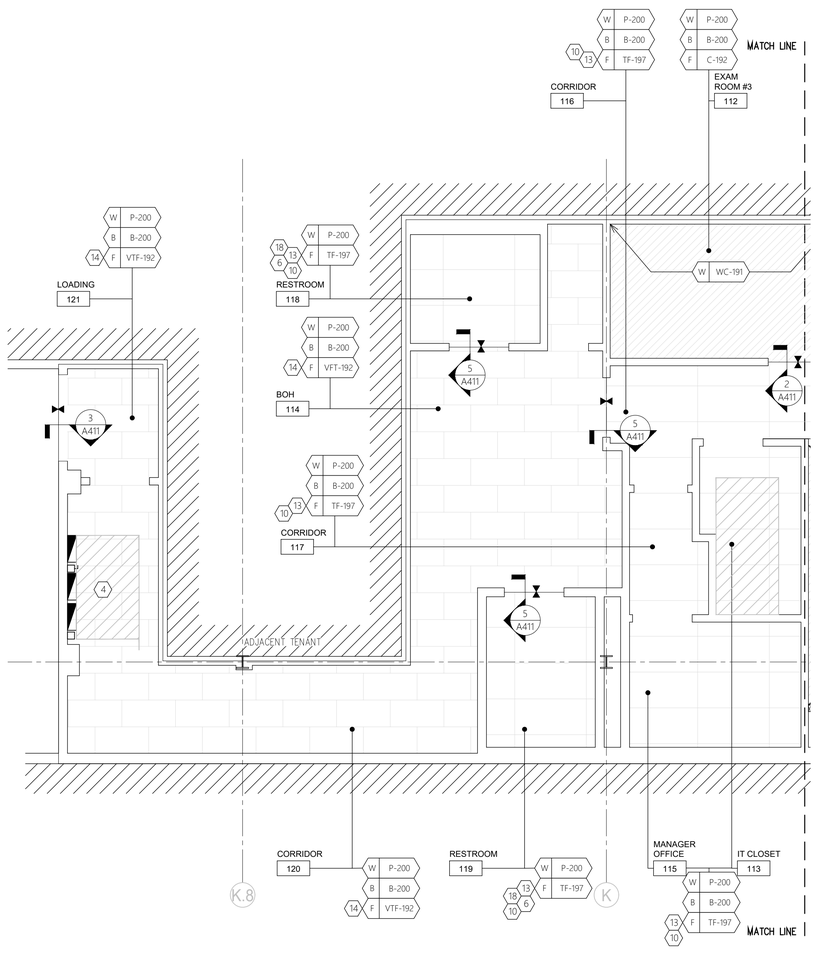
L. GC IS RESPONSIBLE FOR COORDINATING FLOOR PROTECTION. AFTER THE GROUT IS INSTALLED, FOR A MINIMUM OF SEVEN DAYS (WHEN USING SPECIFIED LATICRETE SPECTRALOCK PRO PREMIUM) TO ENSURE DUST AND DEBRIS DOES NOT CHANGE THE GROUT COLOR.

M. SEE G020 FOR FLOORING AND WALL BASE TAKE OFF CHART.

N. SEE DETAILS 11 & 12/A411 FOR NEW WALL BASE AND DETAIL 6&7/A411 FOR WHEN WALL BASE WRAPS A CORNER.

O. REFER TO REFLECTED CEILING PLAN ON SHEET A102 FOR CEILING AND SOFFIT FINISHES.

1-LC09-A103-REV05




# FINISH PLAN

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

NORTH

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

**Seal**

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

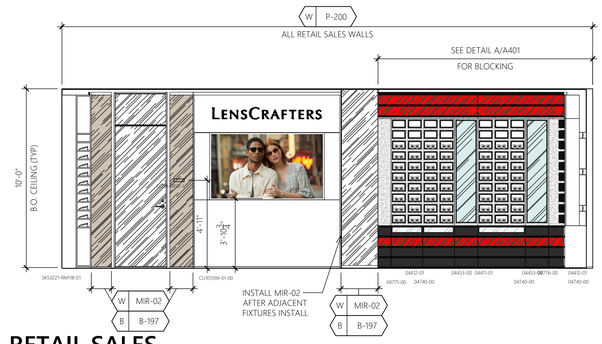
EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

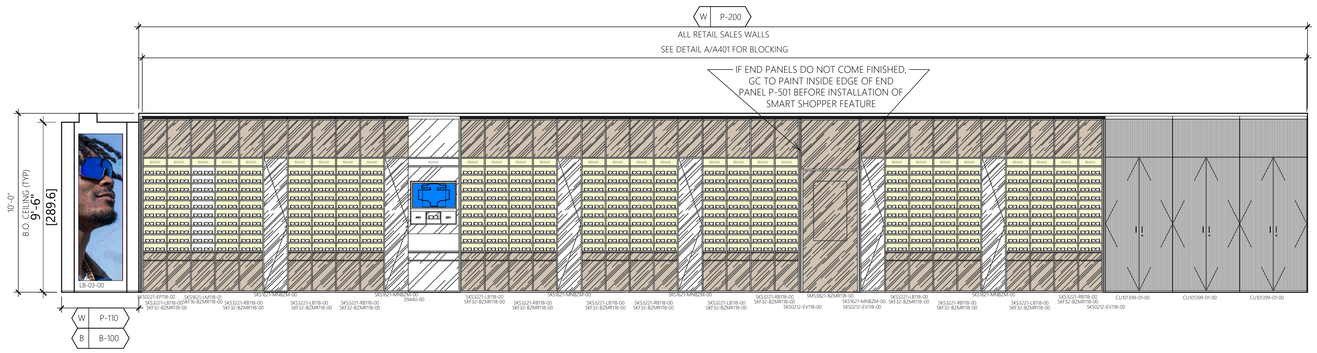
**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name:
FINISH PLAN

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI
Sheet No.: A103b

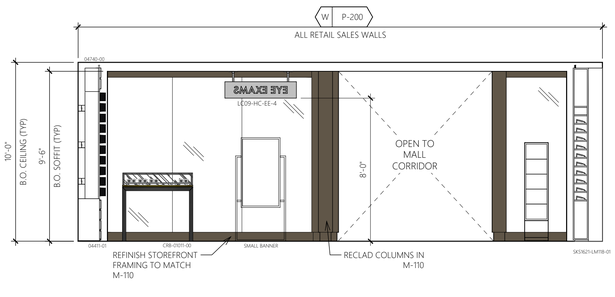



## 1 RETAIL SALES
SCALE: 1/4" = 1'-0"

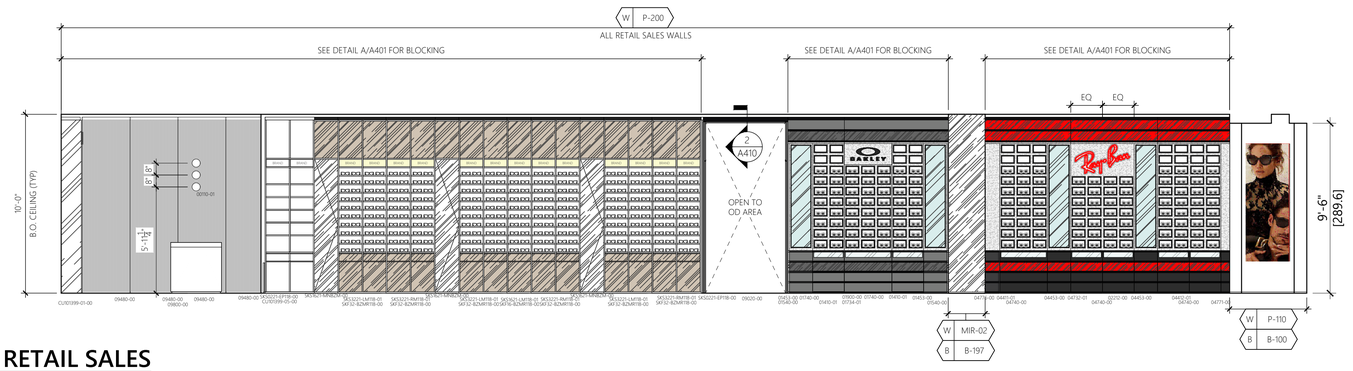



## 2 RETAIL SALES
SCALE: 1/4" = 1'-0"

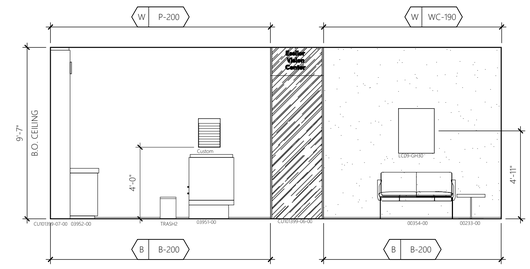
REFER TO ELECTRICAL FOR ALL POWER AND DATA LOCATIONS AND REQUIRMENTS



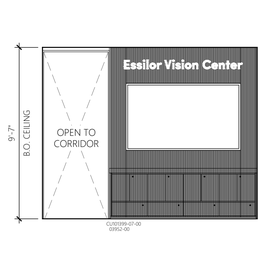

## 3 RETAIL SALES
SCALE: 1/4" = 1'-0"



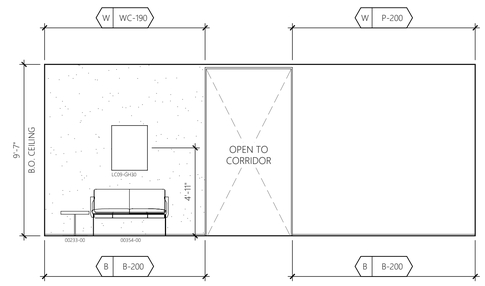

## 4 RETAIL SALES
SCALE: 1/4" = 1'-0"



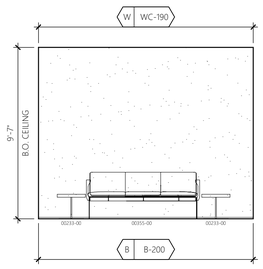

## 5 O.D. RECEPTION
SCALE: 1/4" = 1'-0"



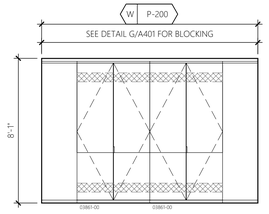

## 6 O.D. RECEPTION
SCALE: 1/4" = 1'-0"



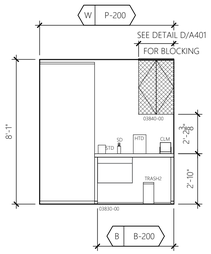

## 7 O.D. RECEPTION
SCALE: 1/4" = 1'-0"



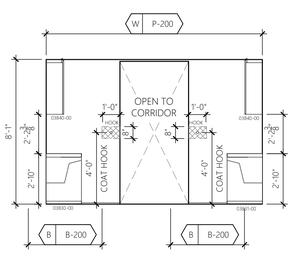

## 8 O.D. RECEPTION
SCALE: 1/4" = 1'-0"



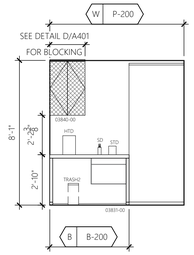

## 9 CONTACT LENS
SCALE: 1/4" = 1'-0"



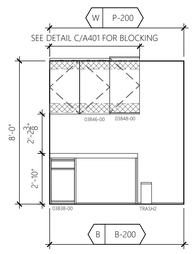

## 10 CONTACT LENS
SCALE: 1/4" = 1'-0"



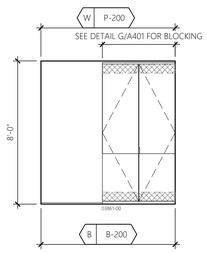

## 11 CONTACT LENS
SCALE: 1/4" = 1'-0"



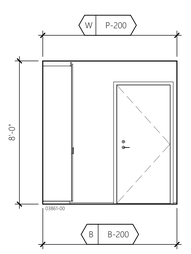

## 12 CONTACT LENS
SCALE: 1/4" = 1'-0"



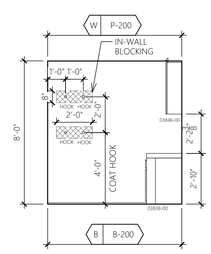

## 13 O.D. ADMIN
SCALE: 1/4" = 1'-0"




## 14 O.D. ADMIN
SCALE: 1/4" = 1'-0"




## 15 O.D. ADMIN
SCALE: 1/4" = 1'-0"




## 16 O.D. ADMIN
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

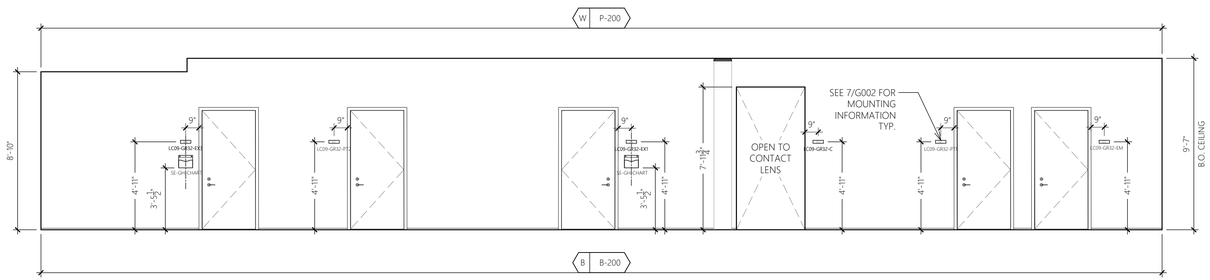
EssilorLuxottica Project Number: 101399

Brand Design Type:
**LC09**

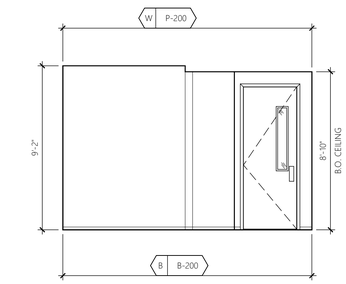
**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name:
INTERIOR ELEVATIONS

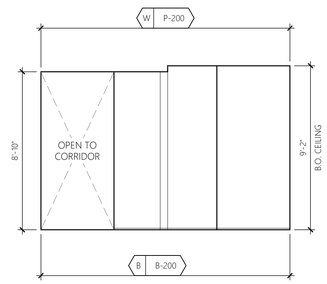
Date 05/01/2026
Drawn By T.LALIBERTE
Checked By J.MARJI
Sheet No.: A200



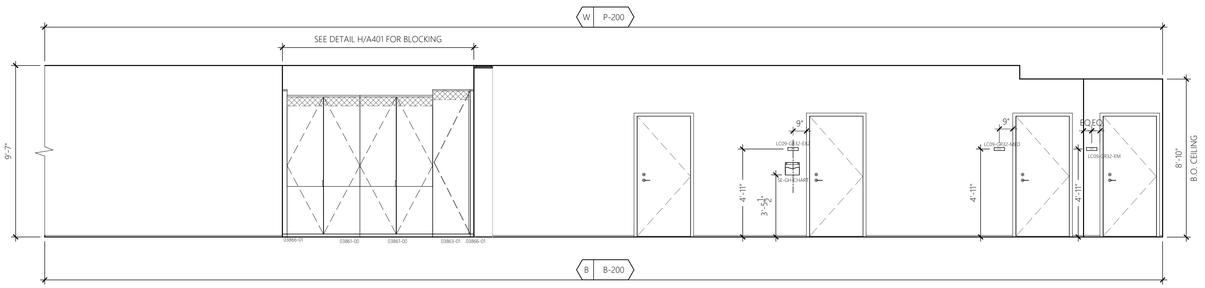

## 1 CORRIDOR
SCALE: 1/4" = 1'-0"



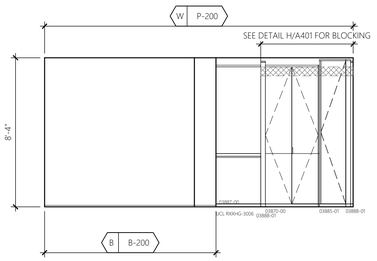

## 2 CORRIDOR
SCALE: 1/4" = 1'-0"



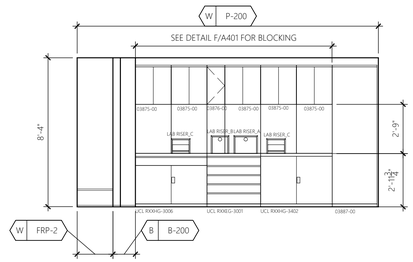

## 3 CORRIDOR
SCALE: 1/4" = 1'-0"



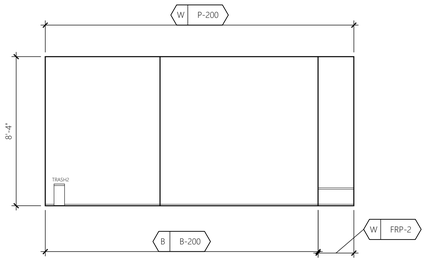

## 4 CORRIDOR
SCALE: 1/4" = 1'-0"



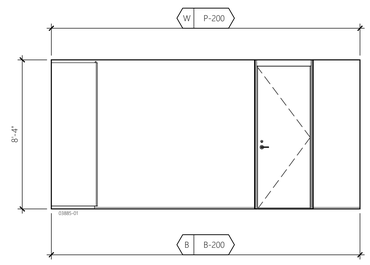

## 5 LAB
SCALE: 1/4" = 1'-0"



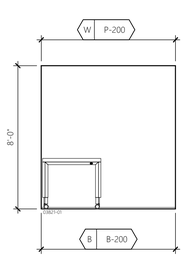

## 6 LAB
SCALE: 1/4" = 1'-0"



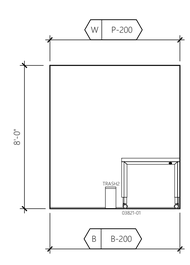

## 7 LAB
SCALE: 1/4" = 1'-0"



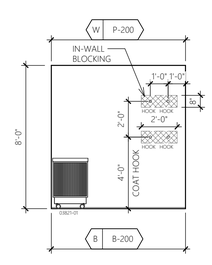

## 8 LAB
SCALE: 1/4" = 1'-0"



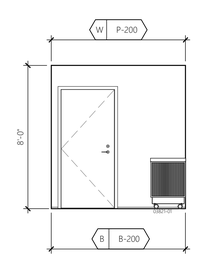

## 9 PRETEST #1
SCALE: 1/4" = 1'-0"



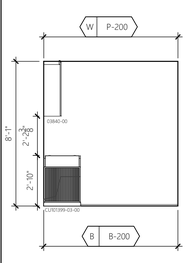

## 10 PRETEST #1
SCALE: 1/4" = 1'-0"



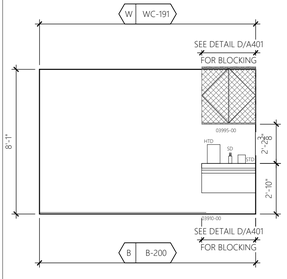

## 11 PRETEST #1
SCALE: 1/4" = 1'-0"



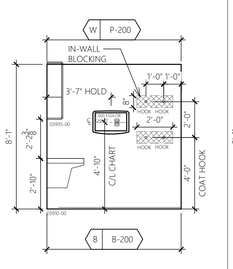

## 12 PRETEST #1
SCALE: 1/4" = 1'-0"



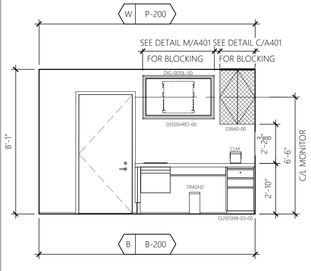

## 13 EXAM #1
SCALE: 1/4" = 1'-0"



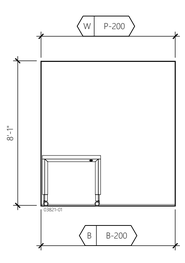

## 14 EXAM #1
SCALE: 1/4" = 1'-0"



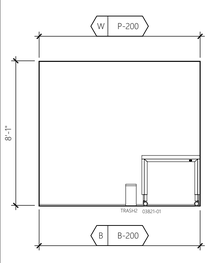

## 15 EXAM #1
SCALE: 1/4" = 1'-0"



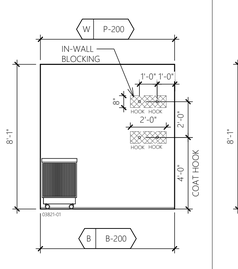

## 16 EXAM #1
SCALE: 1/4" = 1'-0"



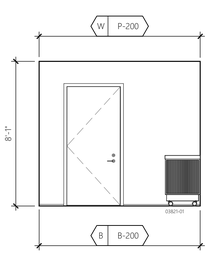

## 17 PRETEST #2
SCALE: 1/4" = 1'-0"




## 18 PRETEST #2
SCALE: 1/4" = 1'-0"




## 19 PRETEST #2
SCALE: 1/4" = 1'-0"




## 20 PRETEST #2
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

**Seal**

**Architect / Engineer Job No.:** RT2025-0218

**EssilorLuxottica DD Set Layout No.:** 14

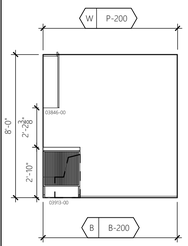
**EssilorLuxottica Project Number** 101399

**Brand Design Type:** LC09

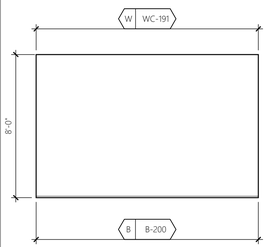
**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

**Sheet Name:** INTERIOR ELEVATIONS

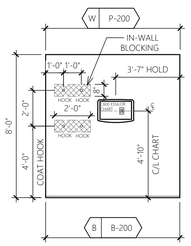
**Date** 05/01/2026
**Drawn By** T. LALIBERTE
**Checked By** INTIALS/STAFF
**Sheet No.:** A201



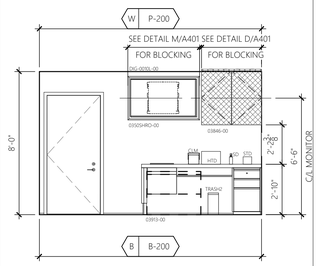

## 1 EXAM #3
SCALE: 1/4" = 1'-0"



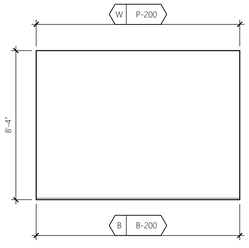

## 2 EXAM #3
SCALE: 1/4" = 1'-0"



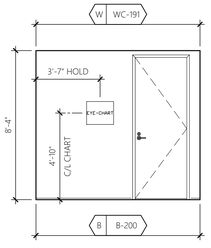

## 3 EXAM #3
SCALE: 1/4" = 1'-0"



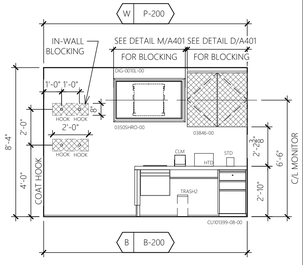

## 4 EXAM #3
SCALE: 1/4" = 1'-0"



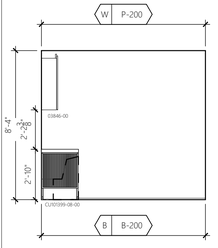

## 5 EXAM #2
SCALE: 1/4" = 1'-0"



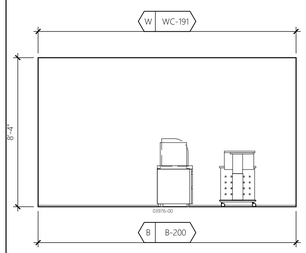

## 6 EXAM #2
SCALE: 1/4" = 1'-0"



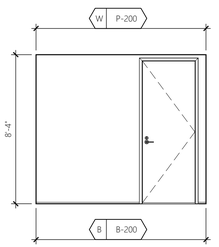

## 7 EXAM #2
SCALE: 1/4" = 1'-0"



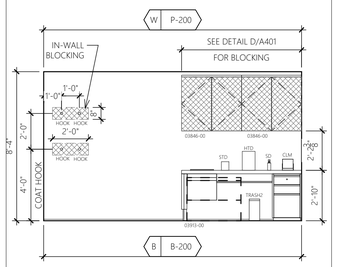

## 8 EXAM #2
SCALE: 1/4" = 1'-0"



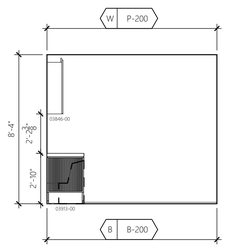

## 9 MEDICAL
SCALE: 1/4" = 1'-0"



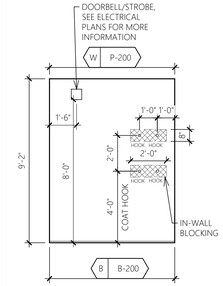

## 10 MEDICAL
SCALE: 1/4" = 1'-0"



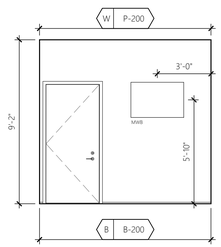

## 11 MEDICAL
SCALE: 1/4" = 1'-0"



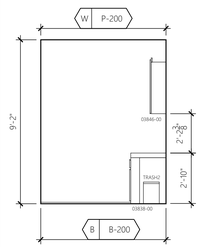

## 12 MEDICAL
SCALE: 1/4" = 1'-0"



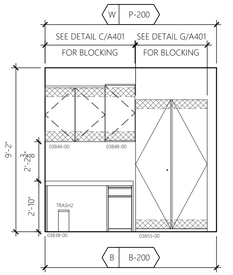

## 13 MANAGER'S
SCALE: 1/4" = 1'-0"



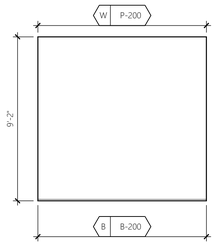

## 14 MANAGER'S
SCALE: 1/4" = 1'-0"



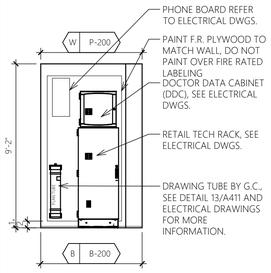

## 15 MANAGER'S
SCALE: 1/4" = 1'-0"



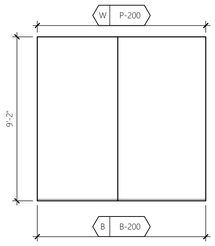

## 16 MANAGER'S
SCALE: 1/4" = 1'-0"



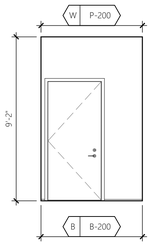

## 17 IT CLOSET
SCALE: 1/4" = 1'-0"



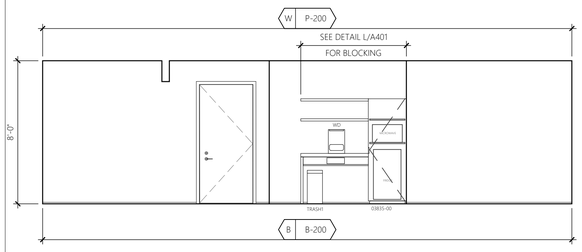

## 18 IT CLOSET
SCALE: 1/4" = 1'-0"



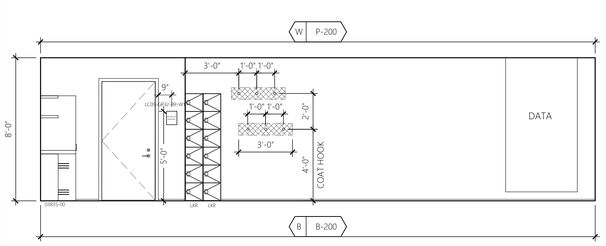

## 19 IT CLOSET
SCALE: 1/4" = 1'-0"



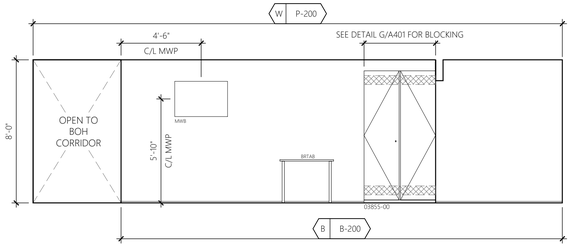

## 20 IT CLOSET
SCALE: 1/4" = 1'-0"



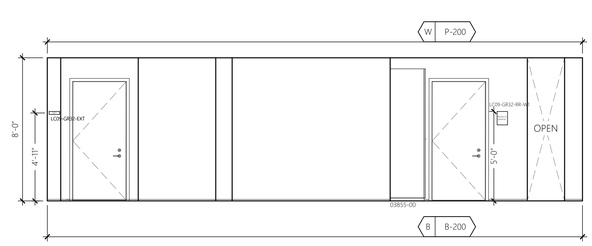

## 21 BOH
SCALE: 1/4" = 1'-0"



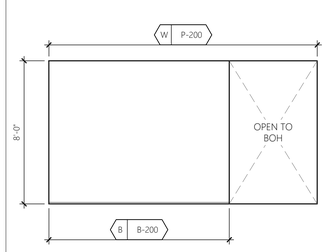

## 22 BOH & CORRIDOR
SCALE: 1/4" = 1'-0"



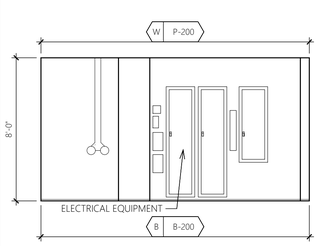

## 23 BOH
SCALE: 1/4" = 1'-0"




## 24 BOH & CORRIDOR
SCALE: 1/4" = 1'-0"




## 25 CORRIDOR
SCALE: 1/4" = 1'-0"




## 26 CORRIDOR
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

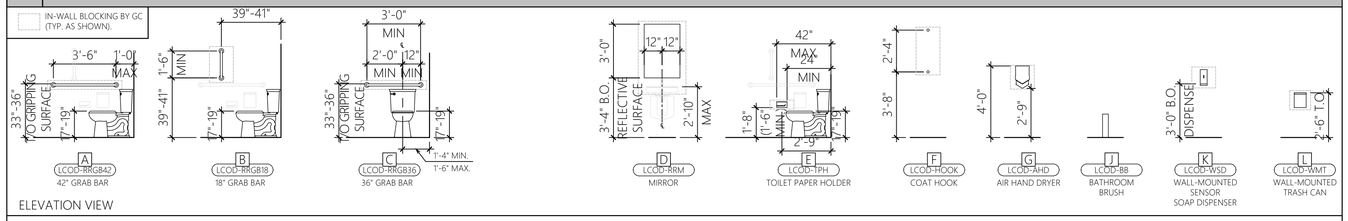
Brand Design Type:
**LC09**

**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name:
INTERIOR ELEVATIONS

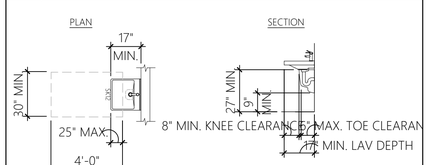
Date 05/01/2026
Drawn By T. LALIBERTE
Checked By INTIALS/STAFF
Sheet No.: A202

## A TOILET ACCESSORIES MOUNTING HEIGHTS



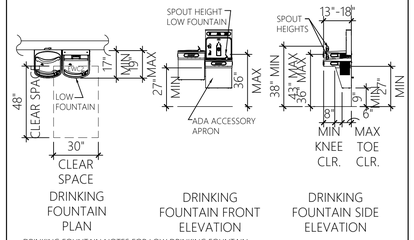

A-LC09-A210-REV06

## B SINK ACCESSIBILITY CLEARANCES




B-LC09-A210-REV05

## C DRINKING FOUNTAIN




DRINKING FOUNTAIN NOTES FOR LOW DRINKING FOUNTAIN:

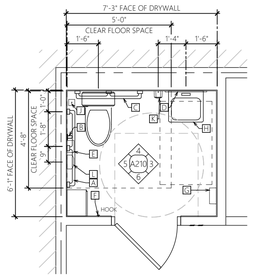
1. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES MIN. IN HEIGHT. THE ANGLE OF THE WATER STREAM FROM SPOUTS WITHIN 3 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN SHALL BE 30 DEGREES MAX. AND FROM SPOUTS BETWEEN 3 INCHES AND 5 INCHES FROM THE FRONT OF THE DRINKING FOUNTAIN SHALL BE 15 DEGREES MAX. MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE DRINKING FOUNTAIN.

2. CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE. SPOUTS SHALL BE NO HIGHER THAN 36" MEASURED FROM THE FLOOR OR GROUND SURFACES TO THE SPOUT OUTLET.

3. WALL AND POST MOUNTED CANTILEVERED UNITS SHALL HAVE A CLEAR KNEE SPACE BETWEEN THE BOTTOM OF THE APRON AND THE FLOOR OR GROUND AT LEAST 27" HIGH, 30" WIDE, AND 17-19" DEEP. SUCH UNITS SHALL HAVE A MINIMUM CLEAR FLOOR SPACE 30" X 48" TO ALLOW A PERSON IN A WHEEL- CHAIR TO APPROACH THE UNIT FACING FORWARD.

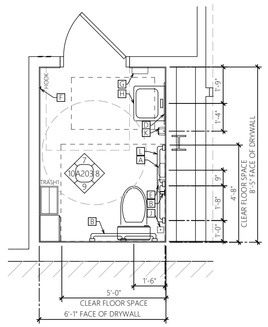
4. THE FOLLOWING KNEE CLEARANCE IS REQUIRED UNDERNEATH THE FOUNTAIN: 27" MIN. FROM THE FLOOR TO THE UNDERSIDE OF THE FOUNTAIN WHICH EXTENDS 8" MIN. MEASURED FROM THE FRONT EDGE UNDERNEATH THE FOUNTAIN BACK TOWARDS THE WALL; IF A MIN. 9" OF TOE CLEARANCE IS PROVIDED, A MAX. OF 6" OF THE 48" OF CLEAR FLOOR SPACE REQUIRED AT THE FIXTURE MAY EXTEND INTO THE TOE SPACE.

C-LC09-A210-REV00




## 1 ENLARGED TOILET ROOM PLAN

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




## 2 ENLARGED TOILET ROOM PLAN

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

## D TOILET ROOM ACCESSORY SCHEDULE

(#) = QUANTITY

| @ | CODE | ITEM | DESCRIPTION | ROOM | REMARKS | SUPPLIED | RECEIVED | INSTALLED |
|---|---|---|---|---|---|---|---|---|
| A | LCOD-RRGB42 | 42" GRAB BAR | BOBRICK: B-5806X42.99 (PEENED) | RESTROOM (1) | • GC TO PROVIDE & INSTALLS IN-WALL BLOCKING* | GC | GC | GC |
| B | LCOD-RRGB18 | 18" GRAB BAR | BOBRICK: B-5806X18.99 (PEENED) | RESTROOM (1) | • GC TO PROVIDE & INSTALLS IN-WALL BLOCKING* | GC | GC | GC |
| C | LCOD-RRGB36 | 36" GRAB BAR | BOBRICK: B-5806X36.99 (PEENED) | RESTROOM (1) | • GC TO PROVIDE & INSTALLS IN-WALL BLOCKING* | GC | GC | GC |
| | | | | | | | | |
| D | LCOD-RRM | RESTROOM WALL MIRROR | VENDOR: ABCO SAFETY<br>VENDOR PART #: LEN-2436MIRROR<br>FINISH: STAINLESS STEEL | RESTROOM (1) | • (1) PER RESTROOM<br>• GC TO PROVIDE & INSTALLS IN-WALL BLOCKING* | T | GC | GC |
| E | LCOD-TPH | TOILET PAPER HOLDER | VENDOR: DELTA<br>ARTICLE #: 3042094; VENDOR PART #: 79956-SS<br>FINISH: STAINLESS STEEL | RESTROOM (1) | • (1) PER RESTROOM<br>• GC TO PROVIDE & INSTALLS IN-WALL BLOCKING* | T | GC | GC |
| F | LCOD-HOOK | COAT HOOK ROUND WALL-MOUNTED HOOKS | VENDOR: NA<br>ARTICLE #: 3042090; VENDOR PART #: 3524806<br>FINISH: MATTE STAINLESS STEEL | RESTROOM (2) | • INSTALL (1) @ 44" A.F.F. & (1) @ 72" A.F.F.<br>• ROUND HOOK ONLY (INSTALL WITHOUT PROVIDED BACKPLATE)<br>• GC TO PROVIDE & INSTALLS IN-WALL BLOCKING* | T | GC | GC |
| G | LCOD-AHD | AIR HAND DRYER | VENDOR: DYSON<br>ARTICLE #: 3042088; VENDOR PART #: 307174-01<br>FINISH: SPRAYED NICKEL | RESTROOM (1) | • (1) PER RESTROOM<br>• GC TO PROVIDE & INSTALLS IN-WALL BLOCKING* | T | GC | GC |
| H | SK12 | FAUCET | SEE PLUMBING PLANS FOR SPECIFICATIONS | RESTROOM (1) | • (1) PER SINK | GC | GC | GC |
| | | SINK | SEE PLUMBING PLANS FOR SPECIFICATIONS | RESTROOM (1) | • (1) PER RESTROOM<br>• GC TO PROVIDE & INSTALLS IN-WALL BLOCKING* | GC | GC | GC |
| J | LCOD-BB | BATHROOM BRUSH | VENDOR: NEMESIA<br>ARTICLE #: 3042096; VENDOR PART #: LEN-NNE330313<br>FINISH: STAINLESS STEEL | RESTROOM (1) | • (1) PER RESTROOM<br>• FREE-STANDING | T | GC | GC |
| K | LCOD-WSD | WALL-MOUNTED SENSOR SOAP DISPENSER | VENDOR: BRADLEY<br>ARTICLE #: 3042086; VENDOR PART #: 6A00-110000<br>FINISH: STAINLESS STEEL | RESTROOM (1) | • (1) PER RESTROOM<br>• GC TO PROVIDE & INSTALLS IN-WALL BLOCKING* | T | GC | GC |
| L | LCOD-WMT | WALL-MOUNTED TRASH CAN | VENDOR: BRADLEY<br>ARTICLE #: 3041932; VENDOR PART #: 4A10-11<br>FINISH: STAINLESS STEEL | RESTROOM (1) | • (1) PER RESTROOM<br>• GC TO PROVIDE & INSTALLS IN-WALL BLOCKING* | T | GC | GC |
| | | | | | | | | |
| | | | | | | | | |

'LCOD' PREFIX IS NOT REFLECTED ON PLANS.
*SEE DETAILS ON THIS SHEET

D-LC09-A210-REV5

## E GRAB BAR DETAIL

ANCHOR PLATES ARE 12 GAUGE STEEL AND 6" WIDE. (LENGTH VARIES). FURNISHED WITH STAINLESS STEEL MACHINE SCREWS TO ACCOMMODATE WALL FINISHES TO 1 1/2" THICK. ANCHOR PLATES SECURED TO STUDS BY WELDING, WIRING OR SELF THREADING SCREWS.

GRAB BARS
LOCATE GRAB BARS AS NOTED IN RESTROOM ELEVATIONS

THE DIAMETER OR WIDTH OF THE GRIPPING SURFACE IS REQUIRED TO BE 1 1/4" TO 1 1/2" 32 MM - 38 MM, OR THE SHAPE IS TO PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS IS TO BE 1 1/2" 38 MM.

GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

GRAB BARS AND ANY SURFACE ADJACENT TO THEM CAN NOT HAVE ANY SHARP OR ABRASIVE ELEMENTS. EDGES ARE TO HAVE A MINIMUM RADIUS OF 1/8 INCH.

BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAX. BENDING MOMENT FROM THE APPLICATION OF A 250 LB. POINT LOAD SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.

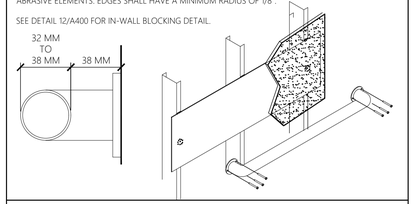
SHEAR STRESS INDUCED IN A GRAB BAR BY THE APPLICATION OF 250 LBF POINT LOAD SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL NOT EXCEED THE ALLOWABLE SEAR STRESS.

SHEAR FORCE INDUCED IN FASTENER OR MOUNTING DEVICES FROM THE APPLICATION OF A 250 LB. POINT LOAD SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER HAS THE SMALLER ALLOWABLE LOAD.

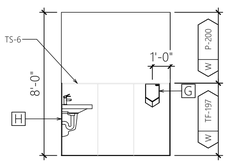
TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF A 250 LB. POINT LOAD, PLUS THE MAX. MOMENT FROM THE APPLICATION OF A 250 LB. POINT LOAD, SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND SUPPORTING STRUCTURE.

GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".

SEE DETAIL 12/A400 FOR IN-WALL BLOCKING DETAIL.



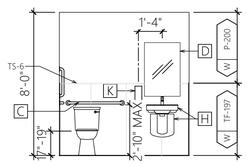

E-LC09-A210-REV02




## 3 TOILET ROOM ELEVATION

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

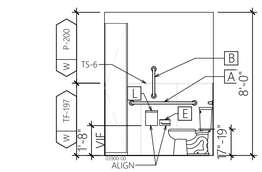
A-LC09-A210-REV06




## 4 TOILET ROOM ELEVATION

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

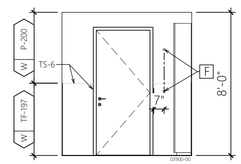
A-LC09-A210-REV06




## 5 TOILET ROOM ELEVATION

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

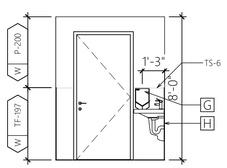
A-LC09-A210-REV06




## 6 TOILET ROOM ELEVATION

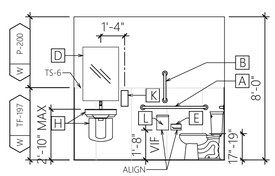
SCALE: 1/4" = 1'-0"

A-LC09-A210-REV06



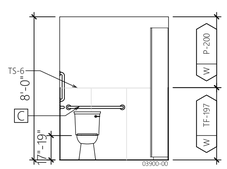

## 7 TOILET ROOM ELEVATION

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



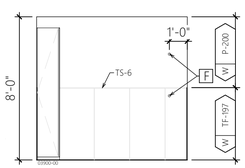

## 8 TOILET ROOM ELEVATION

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




## 9 TOILET ROOM ELEVATION

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

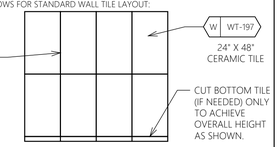



## 10 TOILET ROOM ELEVATION

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

## F GENERAL NOTES

A. ANY EXPOSED PLUMBING SHALL BE WRAPPED w/ HANDICAPPED APPROVED WHITE VINYL DRAIN COVERS SUPPLIED AND INSTALLED BY G.C.
B. PROVIDE NON-COMBUSTIBLE FRT IN WALL BLOCKING, IN ALL LOCATIONS OF EQUIPMENT AND ACCESSORIES REQUIRED TO BE WALL MOUNTED.
C. REFER TO ACCESSIBLE ACCESSORY INSTALLATION DIAGRAMS THIS PAGE FOR ALL TOILET ROOM ACCESSORY INSTALLATION.
D. G.C. TO PROVIDE SILICONE SEALANT JOINT AROUND ALL RESTROOM FIXTURES.
E. WALL TILE PATTERN CONTINUES IN SAME DIRECTION AS FLOORING (ON ALL RESTROOM WALLS) MATCHING GROUT LINES, GC TO COORDINATE IN FIELD.
F. REFERENCE IMAGE AS FOLLOWS FOR STANDARD WALL TILE LAYOUT:




F-LC09-A210-REV05


DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

STORE #518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica


Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: 14

EssilorLuxottica Project Number: 101399

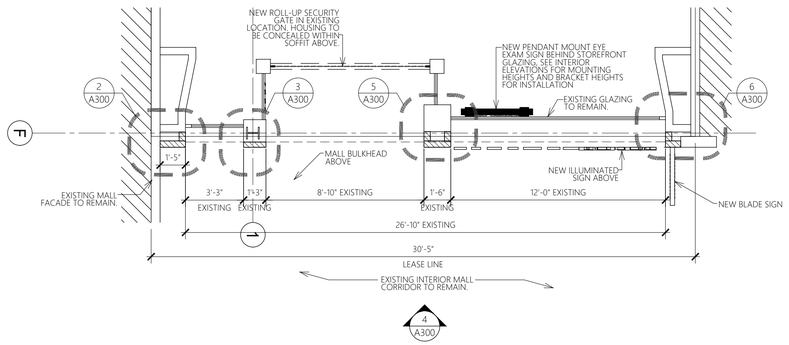
Brand Design Type: LC09

ISSUED FOR:
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name: TOILET ROOM PLAN, ELEVATIONS & DETAILS

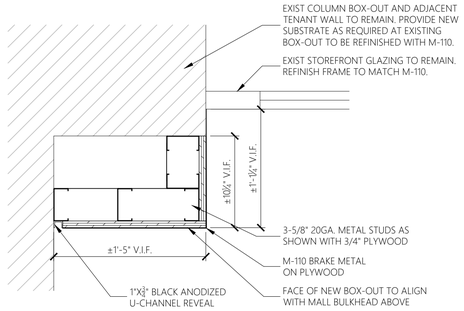
Date: 05/01/2026
Drawn By: L.MITCHELL
Checked By: J.MARJI

Sheet No.: A210



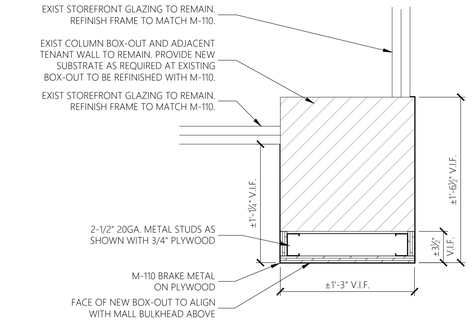

## 1 ENLARGED STOREFRONT PLAN

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



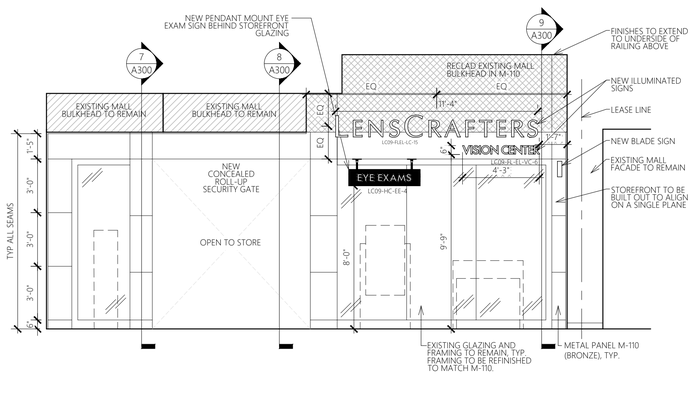

## 2 ENLARGED STOREFRONT DETAIL

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



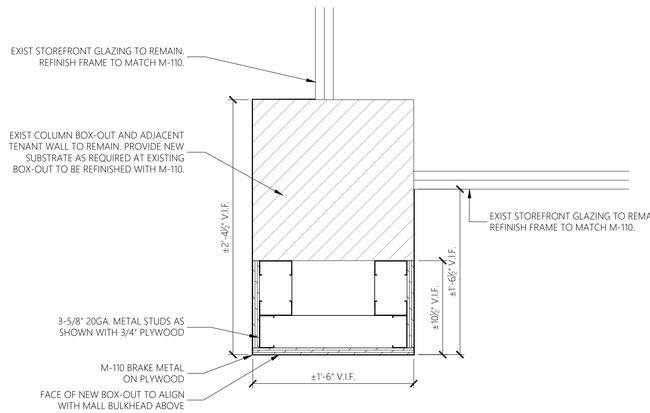

## 3 ENLARGED STOREFRONT DETAIL

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



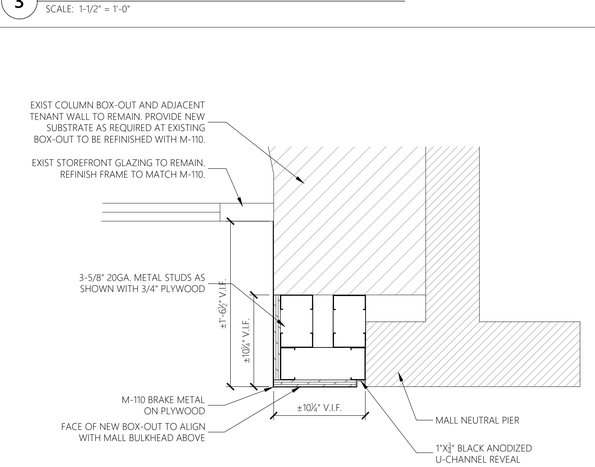

## 4 STOREFRONT ELEVATION

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



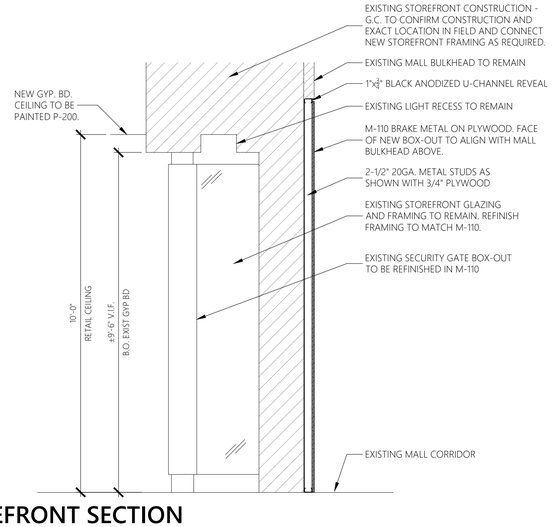

## 5 ENLARGED STOREFRONT DETAIL

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



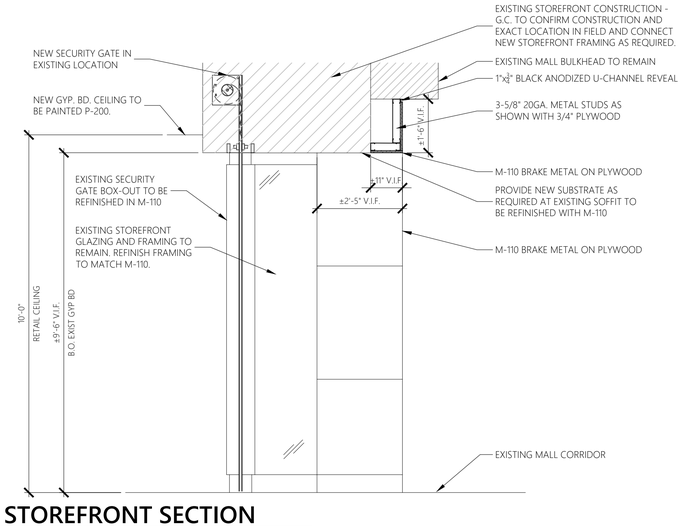

## 6 ENLARGED STOREFRONT DETAIL

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



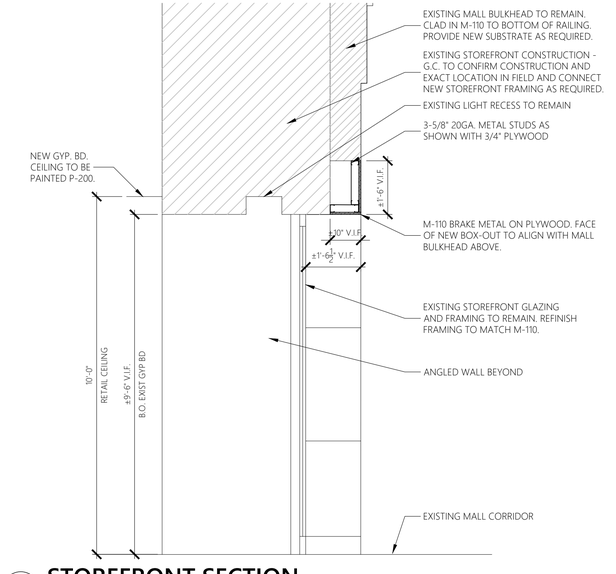

## 7 STOREFRONT SECTION

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




## 8 STOREFRONT SECTION

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




## 9 STOREFRONT SECTION

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

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

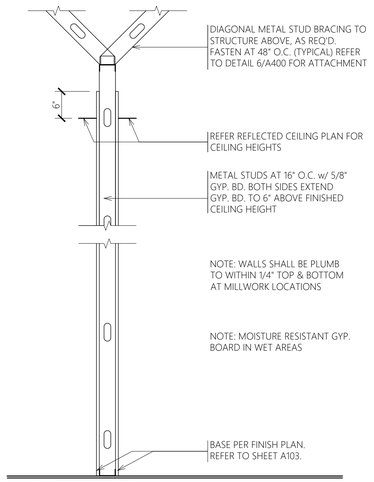
Sheet Name:
STOREFRONT PLAN, ELEVATIONS & SECTION

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.:
A300

WALL TYPES GENERAL NOTES, APPLIES TO ALL WALL TYPES:

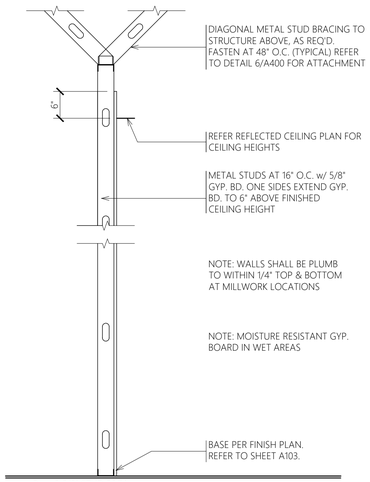
1. WHERE WT-190 IS INSTALLED, 1/2" USG DURAROCK SUBSTRATE TO BE USED IN PLACE OF 5/8" GYP. BD.
2. IF WALL IS TO RECEIVE FULL HEIGHT MIRROR, SEE SECTION ON SHEET A410, 5/8" MDF TO BE USED IN LIEU OF 5/8" GYP. BD. AT MIRROR LOCATIONS.




1 = 3 5/8" STUD 20 GA
1A = 6" STUD 20GA
1B = 1 5/8" STUD 20 GA
1C = 2 1/2" STUD 20 GA
* = ADD SOUND BATT INSULATION

ATTACH TRACK TO SLAB. SEE DETAIL 7/A400.

## 1 WALL SECTION
SCALE: 3/4" = 1'-0"




2 = 3 5/8" STUD 20GA
2A = 6" STUD 20GA
2B = 1 5/8" STUD 20GA
2C = 2 1/2" STUD 20GA
* = ADD SOUND BATT INSULATION

ATTACH TRACK TO SLAB. SEE DETAIL 7/A400.

## 2 WALL SECTION
SCALE: 3/4" = 1'-0"

## 3 NOT USED
SCALE: 3/4" = 1'-0"

## 4 NOT USED
SCALE: 3/4" = 1'-0"

Based on Clark Dietrick PROSTUDS 5psf L/360 Their designation is PDS instead of S.

### Metal Stud Size Schedule

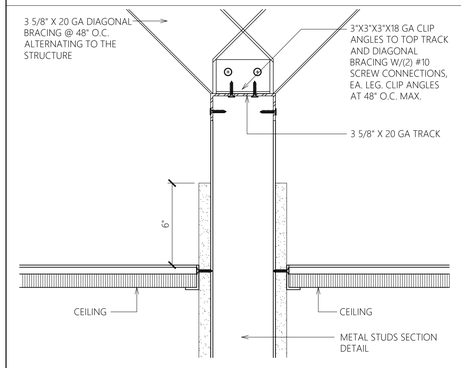
| SIZE | DESIGNATION | @ 16" O.C. | @ 24" O.C. |
|---|---|---|---|
| | | SEE NOTES | |
| INTERIOR, NON-LOAD BEARING, AND FURRING STUDS | | | |
| 1 5/8" | 162S125-18 | 9'-6" | 8'-3" |
| 2 1/2" | 250S125-18 | 12'-0" | 10'-9" |
| | 250S125-30 | 12'-2" | 10'-6" |
| 3 5/8" | 362S125-18 | 14'-6" | 13'-0" |
| | 362S125-30 | 16'-2" | 14'-0" |
| 4" | 400S125-18 | 15'-0" | 13'-6" |
| | 400S125-30 | 16'-6" | 15'-0" |
| 6" | 600S125-18 | 20'-4" | 15'-0" |
| | 600S125-30 | 23'-0" | 20'-0" |

MILLS / GAUGE CONVERSION

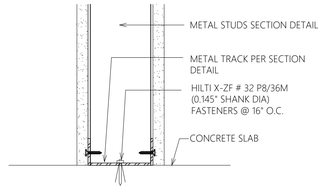
| Mills | Gauge | |
|---|---|---|
| 18 | 25 | |
| 27 | 22 | |
| 33 | 20 | |
| 43 | 18 | |
| 54 | 16 | |
| 68 | 14 | |

1. HEIGHTS LISTED ARE MAXIMUM UNBRACED HEIGHT. CONFIRM STUD SIZES, LOADS, AND SPANS WITH STUD MANUFACTURER.
2. EXTERIOR AND LOAD BEARING STUDS SHALL BE STRUCTURAL STUDS ONLY AND VERIFIED WITH STRUCTURAL DRAWINGS WHEN APPLICABLE.
3. "EQUIVALENT" STUDS MAY BE SUBSTITUTED FOR INTERIOR AND NON-LOAD BEARING STUDS.
4. RUNNER/TRACK GAUGES TO MATCH STUD GAUGE.
5. WALLS OVER 12'-0" HIGH TO BE LATERALLY BRACED @ 8'-0" VERTICAL WITH 1 1/2", 16 GA. COLD ROLLED CHANNELS CLIP ANCHORED TO METAL STUDS.

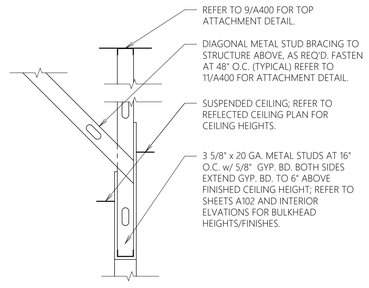
## 5 NOT USED
SCALE: 3/4" = 1'-0"



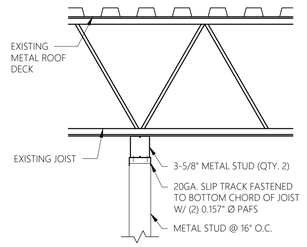

## 6 WALL BRACE DETAIL
SCALE: 3" = 1'-0"




## 7 TRACK TO SLAB DETAIL
SCALE: 3" = 1'-0"

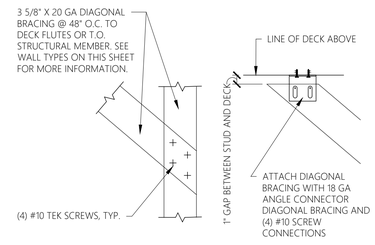



## 8 DROPPED SUPPORT DETAIL
SCALE: 3/4" = 1'-0"



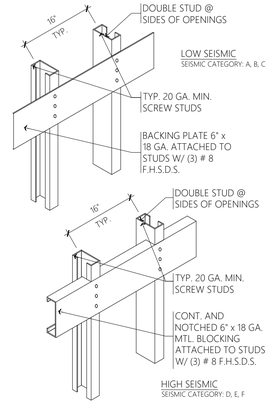

## 9 TRACK TO JOIST DETAIL
SCALE: 3/4" = 1'-0"

## 10 NOT USED
SCALE: 3" = 1'-0"




## 11 BRACING ATTACHMENT DETAILS
SCALE: 3" = 1'-0"

1. SEE TYPICAL WALL FRAMING FOR GAUGE OF STUDS, VERIFY LENGTH, HEIGHT, LOCATION OF BACKING PLATE, AND NUMBER
2. REQ'D WITH ACCESSORY MANUFACTURERS. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.
3. WALL STUD FLANGES ARE CONTINUOUS AT BACKING PLATE.
4. BACKING PLATES FOR UPPER WALL HUNG CABINETS (UP TO 2 SHELVES) BASE CABINETS, FULL HEIGHT CABINETS, HANDRAILS, GUARDRAILS, GRAB BARS, WALL HUNG EQUIPTMENT - 250 LBS./FT.




## 12 IN-WALL BLOCKING DETAIL
SCALE: 3/4" = 1'-0"


DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


**Seal**

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

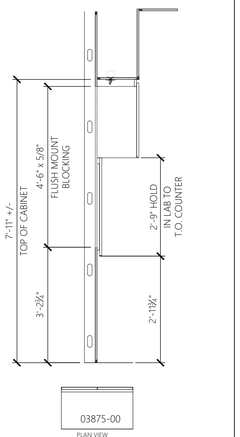
| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name: SECTIONS & DETAILS

Date: 05/01/2026
Drawn By: L.MITCHELL
Checked By: J.MARJI

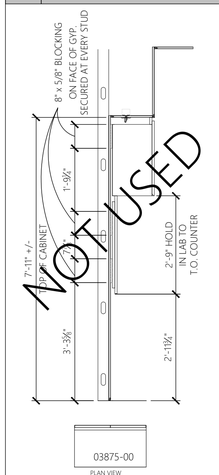
Sheet No.: A400

## F BLOCKING DETAIL



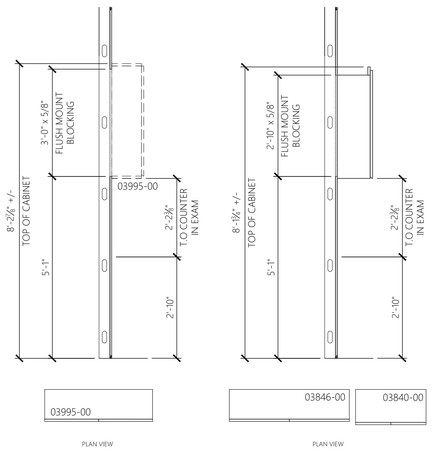

F-LC09-A401-REV6

## E BLOCKING DETAIL



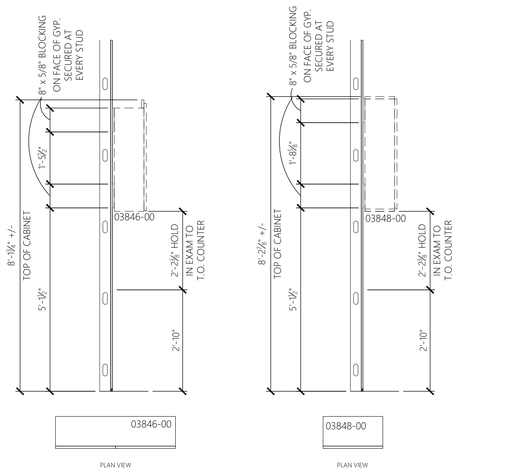

E-LC09-A401-REV5

## D BLOCKING DETAIL



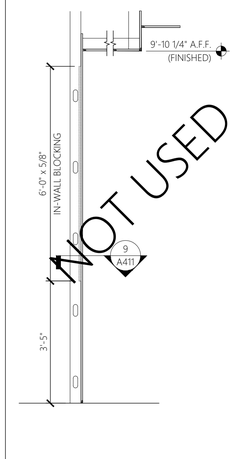

D-LC09-A401-REV6

## C BLOCKING DETAIL



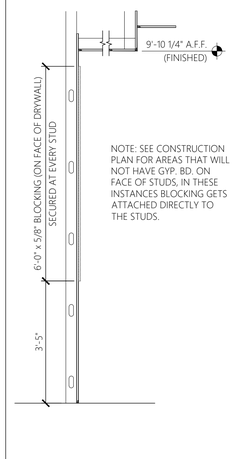

C-LC09-A401-REV5

## B BLOCKING DETAIL



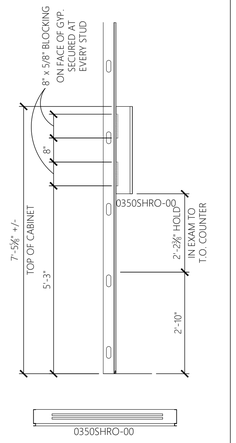

B-LC09-A401-REV05

## A BLOCKING DETAIL



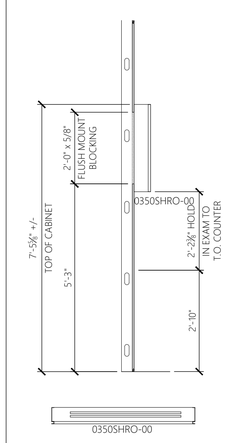

A-LC09-A401-REV05

## N BLOCKING DETAIL



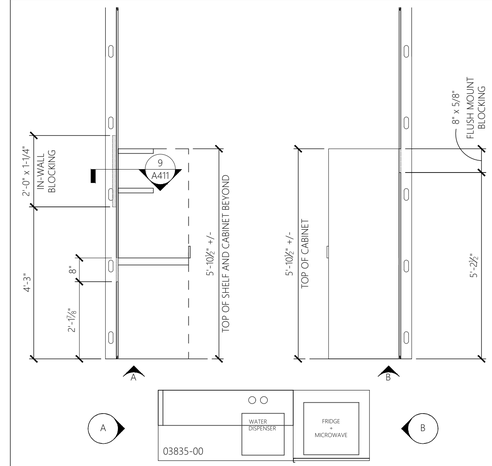

N-LC09-A401-REV0

## M BLOCKING DETAIL



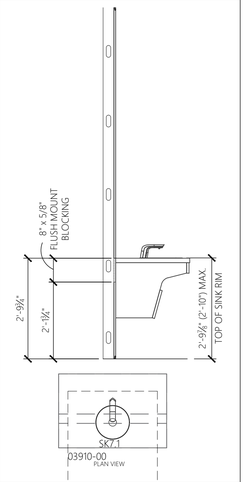

M-LC09-A401-REV0

## L BLOCKING DETAIL



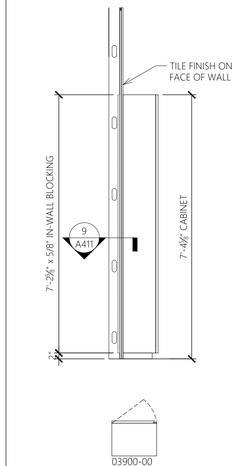

L-LC09-A401-REV0

## K BLOCKING DETAIL



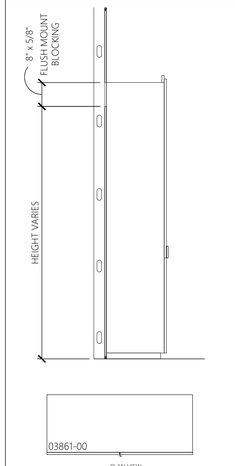

K-LC09-A401-REV0

## J BLOCKING DETAIL



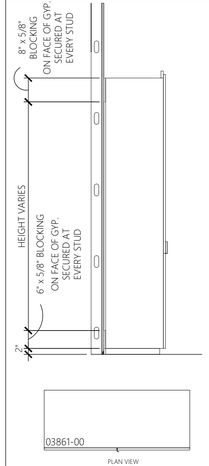

J-LC09-A401-REV0

## H BLOCKING DETAIL




H-LC09-A401-REV6

## G BLOCKING DETAIL



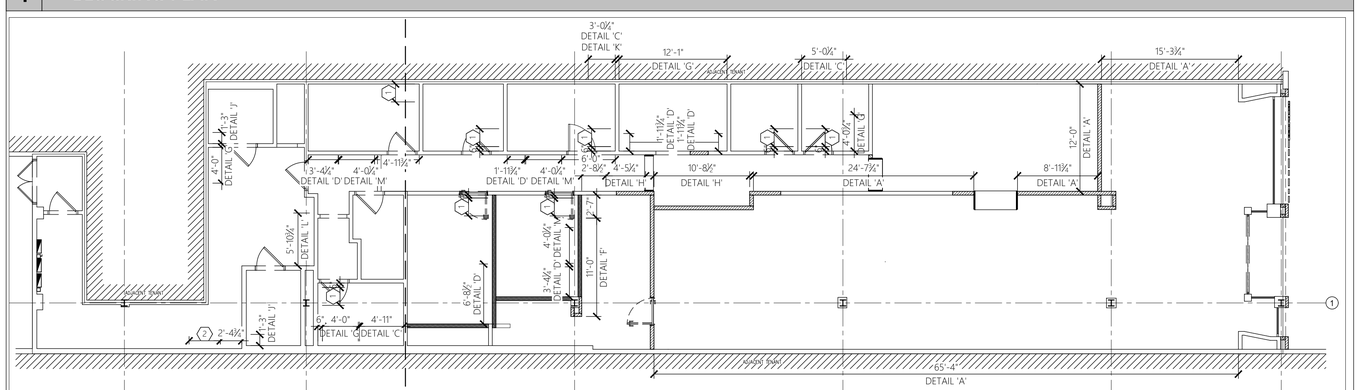

G-LC09-A401-REV5

## 2 KEY NOTES

1. 2'-0" MIN. IN-WALL BLOCKING, SEE DETAIL 9/A411 AND INTERIOR ELEVATIONS
2. IN-WALL BLOCKING, SEE DETAIL 9/A411 AND INTERIOR ELEVATIONS

2-LC09-A401-REV0

## 1 BLOCKING PLAN




1-LC09-A401-REV0

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

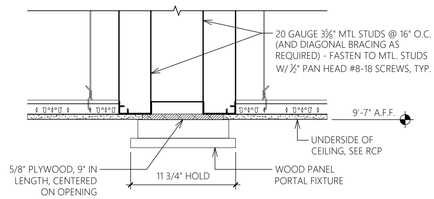
Brand Design Type:
**LC09**

**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name:
BLOCKING DETAILS

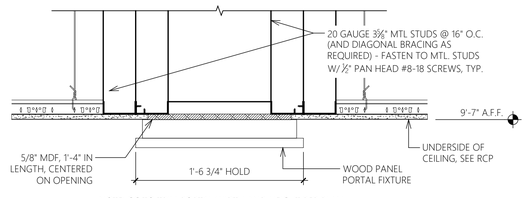
Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.: A401



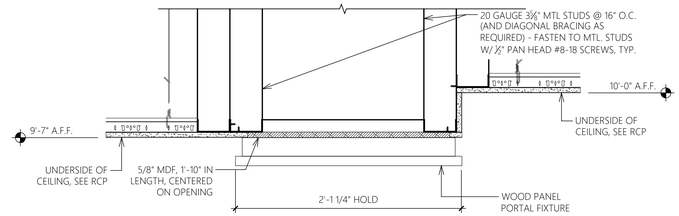

NOTE: GC TO TRIM PORTAL WIDTH AND HEIGHT PER PLAN
(PORTAL DEPTH IS NOT TOUCHED, DEPTH COMES IN 11 3/4")

## 1 PORTAL C - SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



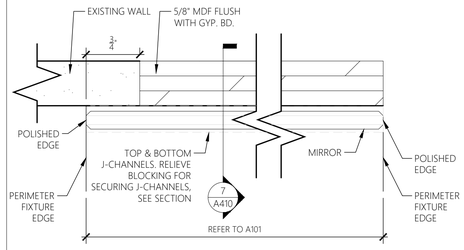

NOTE: GC TO TRIM PORTAL WIDTH AND HEIGHT PER PLAN
(PORTAL DEPTH IS NOT TOUCHED, DEPTH COMES IN 1'-6 3/4")

## 2 PORTAL B - SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



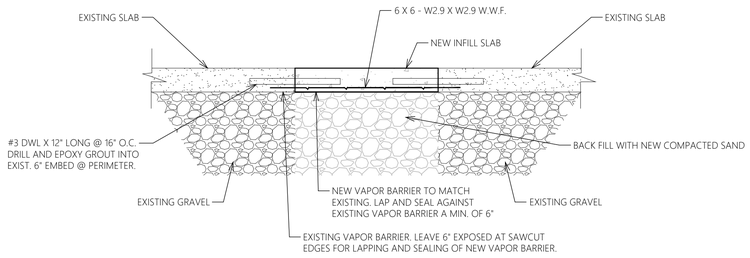

NOTE: GC TO TRIM PORTAL WIDTH AND HEIGHT PER PLAN
(PORTAL DEPTH IS NOT TOUCHED, DEPTH COMES IN 2'-1 1/4")

## 3 PORTAL A - SECTION DETAIL
SCALE: 1-1/2" = 1'-0"

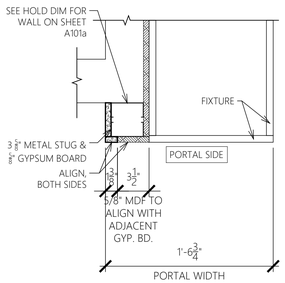



## 4 MIRROR DETAIL
SCALE: 1'-0" = 1'-0"

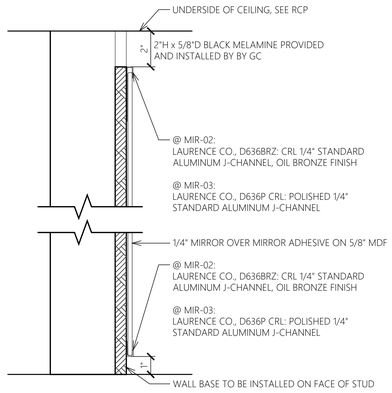
NOTES:
1. GC TO PROVIDE PHOTOS TO PM BEFORE POUR BACK.
2. ANY NEW PIPING TO BE 2" MIN. BELOW SLAB.



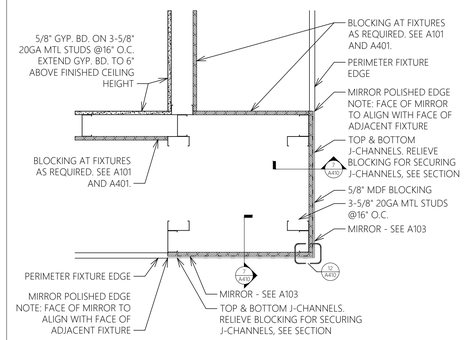

## 5 SLAB ON GRADE POUR BACK DETAIL
NOT TO SCALE



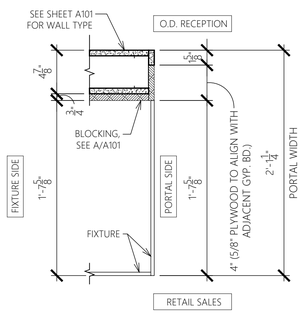

## 6 PORTAL B ATTACHMENT PLAN VIEW
SCALE: 1-1/2" = 1'-0"



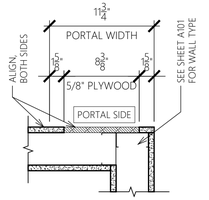

## 7 DETAIL @ PERIMETER WALL: FULL LENGTH MIRROR
SCALE: 3" = 1'-0"



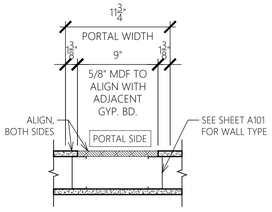

## 8 CORNER MIRROR DETAIL
SCALE: 1" = 1'-0"



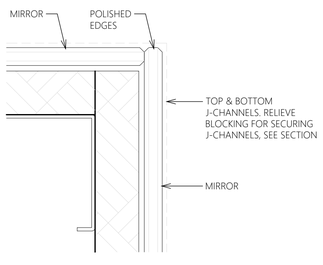

## 9 PORTAL A ATTACHMENT PLAN VIEW
SCALE: 1-1/2" = 1'-0"



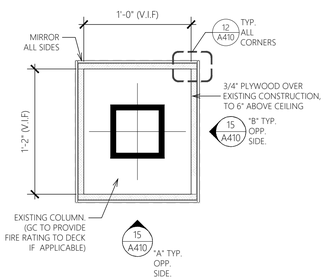

## 10 PORTAL C ATTACHMENT PLAN VIEW
SCALE: 1-1/2" = 1'-0"



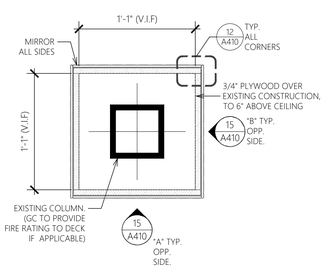

## 11 PORTAL C ATTACHMENT PLAN VIEW
SCALE: 1-1/2" = 1'-0"



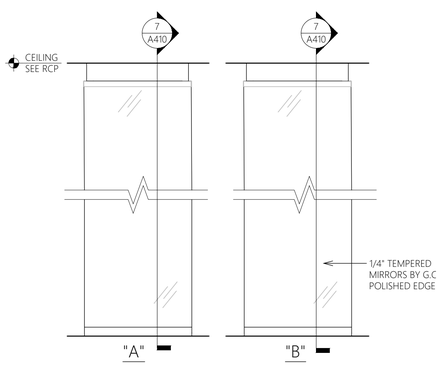

## 12 MIRRORED COLUMN - DETAIL
SCALE: 1-1/2" = 1'-0"



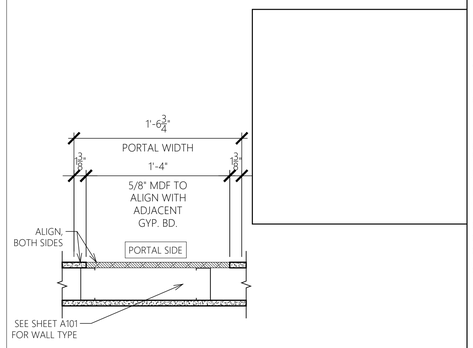

## 13 MIRRORED COLUMN - PLAN DETAIL
SCALE: 1-1/2" = 1'-0"




## 14 MIRRORED COLUMN - PLAN DETAIL
SCALE: 1-1/2" = 1'-0"




## 15 MIRRORED COLUMN - ELEVATIONS
SCALE: 1/2" = 1'-0"




## 16 PORTAL B ATTACHMENT PLAN VIEW
SCALE: 1-1/2" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LensCrafters
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**
- ☐ 100% PRELIM
- ☒ 100% FINAL
- ☒ PERMIT
- ☐ CONSTRUCTION
- ☐ ADDENDUM
- ☐ BULLETIN

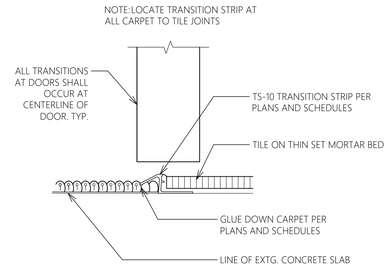
Sheet Name: SECTIONS & DETAILS

Date: 05/01/2026
Drawn By: L.MITCHELL
Checked By: J.MARJI

Sheet No.: A410

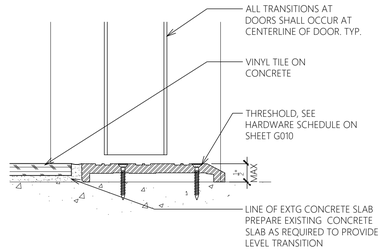
## 1 NOT USED

SCALE: 6" = 1'-0" CONCRETE TO WALK OFF MAT TO TILE



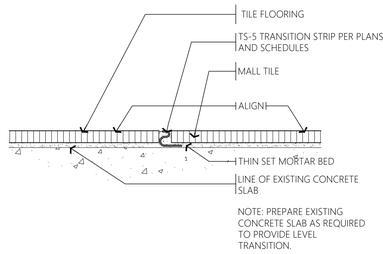

## 2 FLOOR TRANSITION DETAIL

SCALE: 6" = 1'-0" CARPET TO TILE



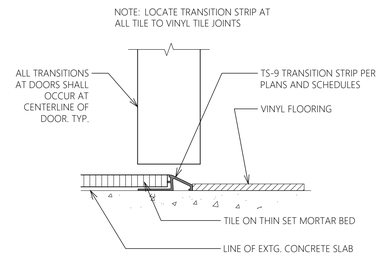

## 3 FLOOR TRANSITION DETAIL

SCALE: 6" = 1'-0" CONCRETE TO TILE



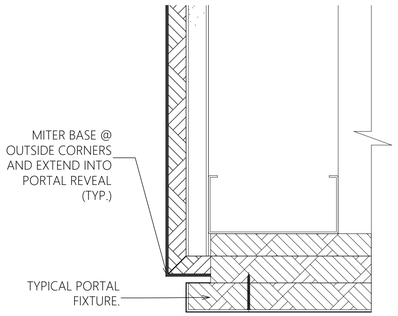

## 4 FLOOR TRANSITION DETAIL

SCALE: 6" = 1'-0" TILE TO TILE



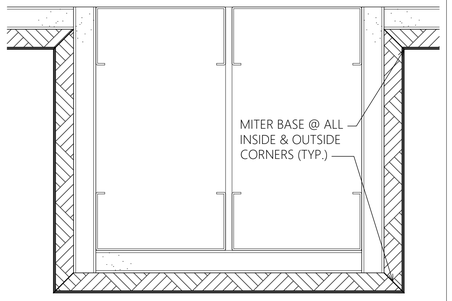

## 5 FLOOR TRANSITION DETAIL

SCALE: 6" = 1'-0" TILE TO VINYL OR CONCRETE




## 6 MDF BASE @ OUTSIDE PORTAL CORNERS

SCALE: 6" = 1'-0"



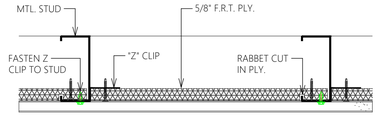

## 7 MDF BASE @ INSIDE / OUTSIDE CORNERS

SCALE: 6" = 1'-0"

## 8 NOT USED

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

ARCH TIP: REFERENCED ON B/A101

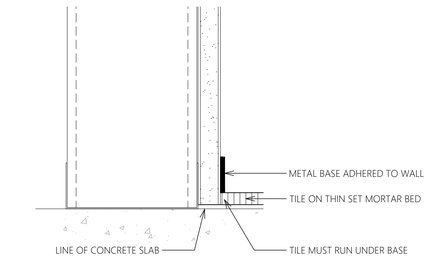



## 9 BLOCKING PLAN DETAIL

SCALE: 3" = 1'-0"

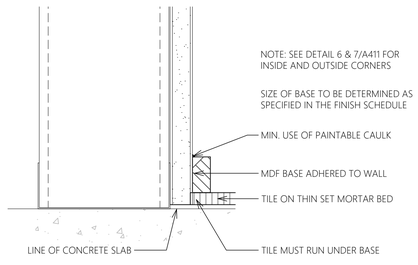
## 10 NOT USED

SCALE: 3" = 1'-0"



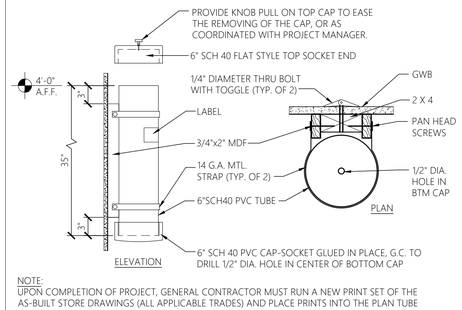

## 11 METAL WALL BASE DETAIL

SCALE: 6" = 1'-0"




## 12 MDF WALL BASE DETAIL

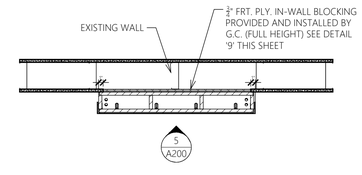
SCALE: 6" = 1'-0"




NOTE:
UPON COMPLETION OF PROJECT, GENERAL CONTRACTOR MUST RUN A NEW PRINT SET OF THE AS-BUILT STORE DRAWINGS (ALL APPLICABLE TRADES) AND PLACE PRINTS INTO THE PLAN TUBE HOLDER. LABEL (W/ CLEAR TAPE) STATING: "THIS TUBE CONTAINS STORE DRAWINGS AND IS NOT TO BE REMOVED WITHOUT THE CONSENT OF THE STORE MANAGER". TENANT G.C. TO SUPPLY AND INSTALL DRAWING TUBE ASSEMBLY WHERE INDICATED ON PLANS OR AS DIRECTED BY THE PROJECT MANAGER

## 13 DRAWING TUBE STORAGE DETAIL

SCALE: 1" = 1'-0"

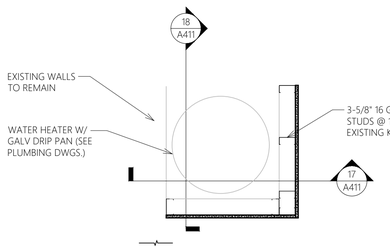



## 14 NAMING MIRROR PLAN VIEW

SCALE: 3/4" = 1'-0"

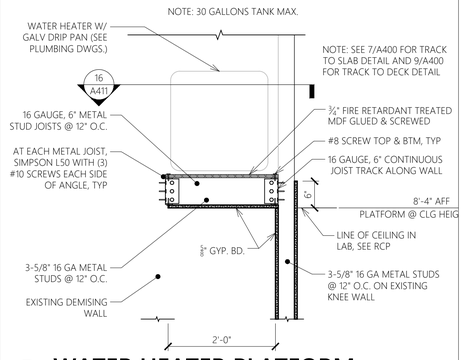
## 15 NOT USED

SCALE: 6" = 1'-0"



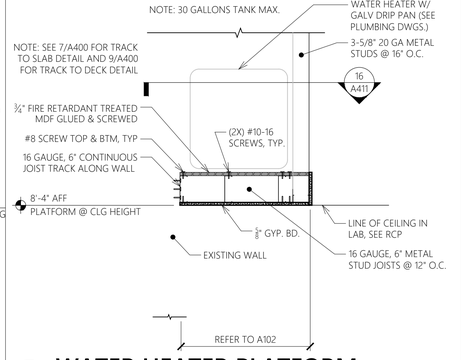

## 16 WATER HEATER PLATFORM

SCALE: 3/4" = 1'-0"




## 17 WATER HEATER PLATFORM

SCALE: 3/4" = 1'-0"




## 18 WATER HEATER PLATFORM

SCALE: 3/4" = 1'-0"


DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


**Seal**

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number: 101399

Brand Design Type:
**LC09**

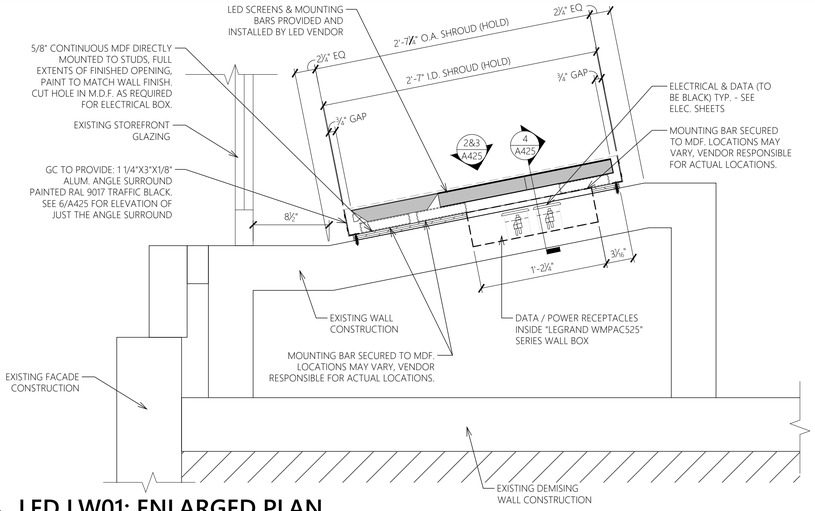
**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name:
SECTIONS & DETAILS

Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI

Sheet No.: A411

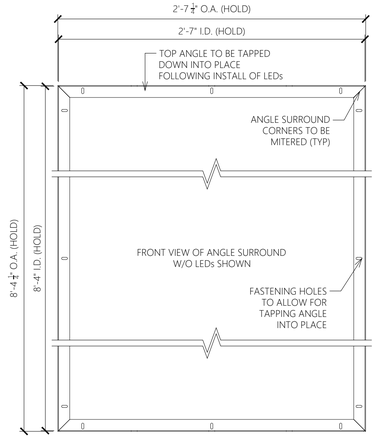



## 1 LED LW01: ENLARGED PLAN

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

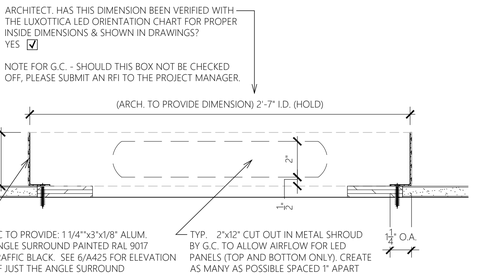
| LED WALL | | | LED WALL COMPOSITION |
|---|---|---|---|
| LW01 | **WIDTH:** | 2'-5 1/2" | |
| | **HEIGHT:** | 6'-6 3/4" | |
| | **AREA:** | 16.15 sqft | |
| | **ORIENTATION:** | VERTICAL | |

| COMPONENT TAKE-OFF | TOTAL QTY PER TYPE |
|---|---|
| DIG-03339-01 - 4x2 Cab VIH Series 1000x500 mm | 2 |
| DIG-03340-01 - 1x2 Cab VIH Series 250x500 mm | 4 |
| MAX. POWER (W) | 765 Watt |
| AVG. POWER (W) | 255 Watt |
| HEAT RELEASE (W) | 225 Watt |
| CONTROLLER | DIG-01113-01 |



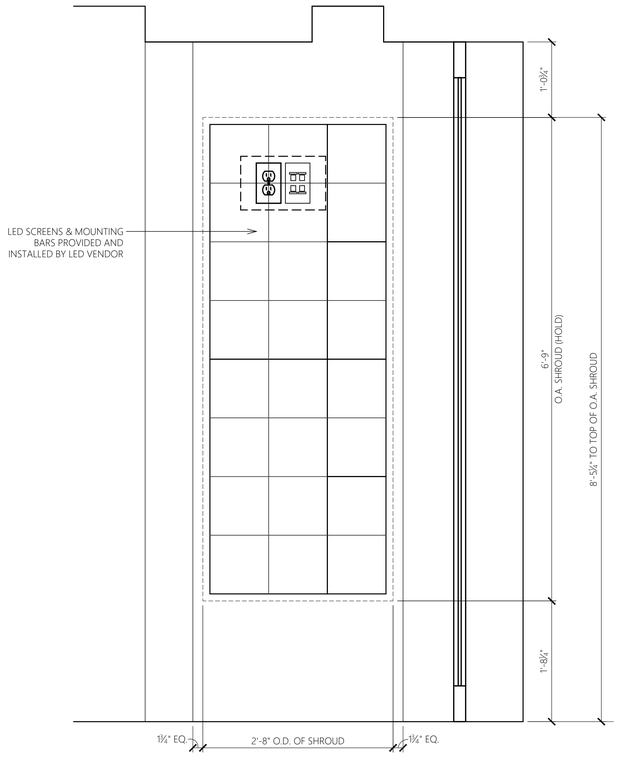

## 5 ELEVATION OF ANGLE SURROUND NO LEDs SHOWN

SCALE: 1" = 1'-0"



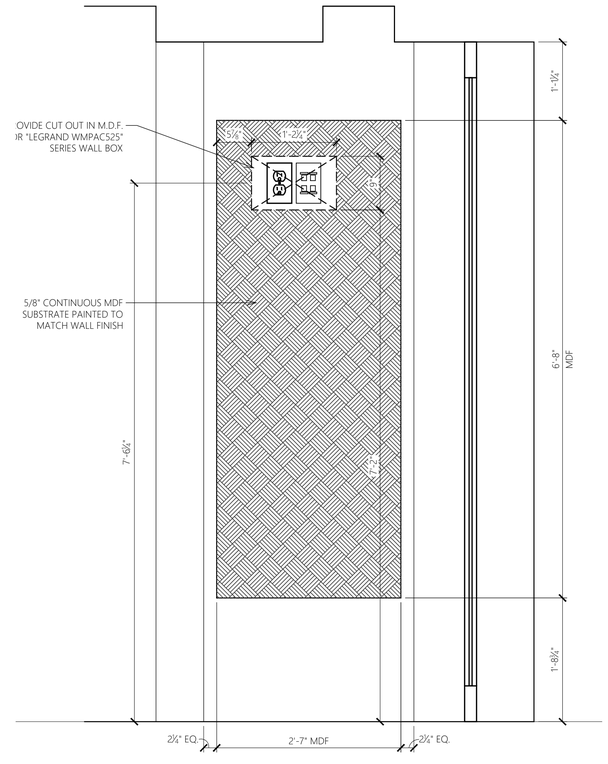

## 6 LED SHROUD PLAN SECTION

SCALE: 3" = 1'-0"



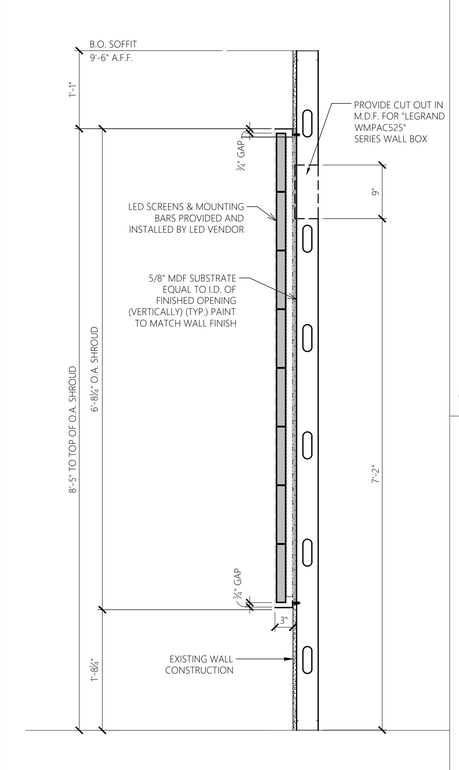

## 2 LED LW01: MONITOR ELEVATION

SCALE: 1" = 1'-0"




## 3 LED LW01: MDF ELEVATION

SCALE: 1" = 1'-0"




## 4 LED LW01: SECTION

SCALE: 1" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**

NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number: 101399

Brand Design Type:
**LC09**

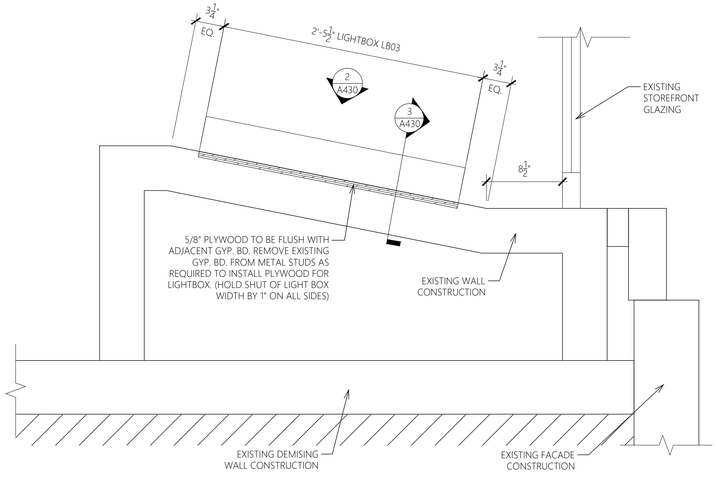
**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

Sheet Name:
SURFACE MOUNTED LED SECTIONS & DETAILS

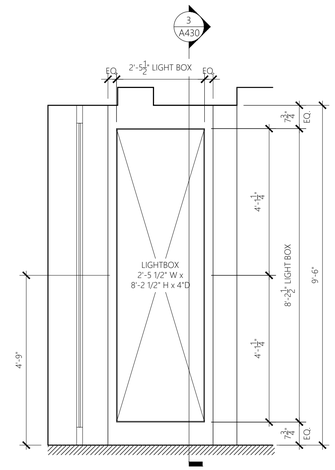
Date: 05/01/2026
Drawn By: J.GARCIA
Checked By: J.MARJI

Sheet No.: A425




## 1 LB03 LIGHT BOX ENLARGED PLAN

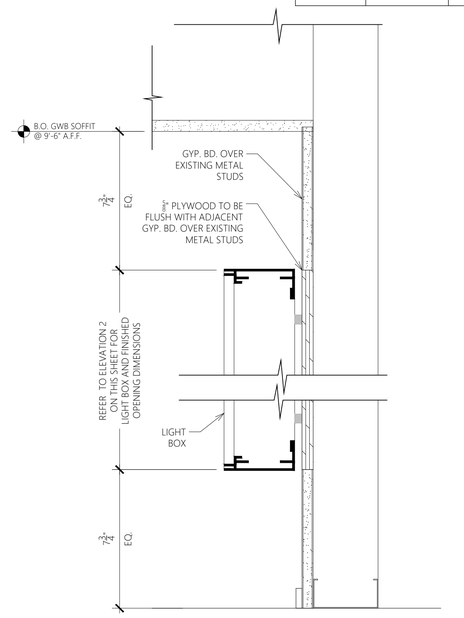
SCALE: 1-1/2" = 1'-0"




## 2 LB03 LIGHT BOX ELEVATION

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

| LIGHTBOX SCHEDULE | | | | |
|---|---|---|---|---|
| CODE | DIMENSIONS (mm) | DIMENSIONS (inch) | LOCATION | PROVIDED BY L. BOX VENDOR? |
| LB-03-00-LOC1 | 750W X 2500H | 29.52W X 98.42H | STOREFRONT | YES |




## 3 LB03 LIGHT BOX SIDE SECTION

SCALE: 3" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**

NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

**Seal**

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number: 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☒ PERMIT | ☐ BULLETIN |

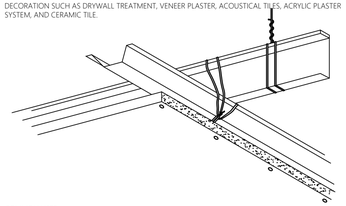
Sheet Name:
LIGHTBOX SECTIONS & DETAILS

Date: 05/01/2026
Drawn By: J.GARCIA
Checked By: J.MARJI

Sheet No.: A430

DESCRIPTION:

THE CEILING CONSISTS OF HANGER WIRES ATTACHED TO THE STRUCTURE ABOVE, MAIN RUNNERS ATTACHED TO THE HANGERS, AND CROSS FURRING ATTACHED TO THE MAIN RUNNERS. APPROPRIATE GYPSUM OR CEMENT BOARD PANELS ARE SCREW ATTACHED TO RECEIVE FINAL DECORATION SUCH AS DRYWALL TREATMENT, VENEER PLASTER, ACOUSTICAL TILES, ACRYLIC PLASTER SYSTEM, AND CERAMIC TILE.



COMMON USES:

SUSPENDED GYPSUM BOARD OR CEMENT BOARD CEILINGS ARE PRIMARILY USED TO PROVIDE FLAT PLANE CEILINGS IN MOST TYPES OF BUILDINGS. THESE MAY BE DESIGNED TO PROVIDE FIRE PROTECTION, CONCEALMENT, AND ACOUSTICAL TREATMENT.

LIMITATIONS:

CARE MUST BE TAKEN IN CHOOSING THE CEILING SURFACE FOR AREAS EXPOSED TO HIGH HUMIDITY. IT IS DIFFICULT TO ADAPT THIS FRAMING SYSTEM TO CURVED, BARREL VAULT, OR DOME TYPE CEILINGS. LIMITED ACCESS CAN BE PROVIDED WITH THE INSTALLATION OF ACCESS PANELS. THE LEVELS OF ABUSE AND PENETRATION RESISTANCE IS NOT THAT OF A SUSPENDED METAL LATH AND PLASTER CEILING.

ADVANTAGES:

PROVIDES FLAT, MONOLITHIC CEILING SURFACES AT THE LEAST COST. CAN BE ADAPTED TO SEVERAL GYPSUM ASSOCIATION AND U.L. FIRE RATED FLOOR/CEILING ASSEMBLIES. ACOUSTICAL TILE AND ACOUSTICAL PLASTER PROVIDE GOOD SOUND ABSORPTION.

VERSATILITY:

THESE CEILINGS ARE BEST INSTALLED IN FLAT PLANES. HOWEVER, INSTALLING FACETED CEILINGS OF VARIOUS SHAPES AND AT ANY ANGLE, ALLOWS NUMEROUS DESIGN OPTIONS. THE USE OF CEMENT BOARD PANELS ALLOWS THE USE OF THIS SYSTEM IN HIGH HUMIDITY AREAS. A VARIETY OF TEXTURES ARE AVAILABLE.

STRUCTURAL DESIGN:

1. HANGERS: SIZES BASED ON STATIC LOADS DEVELOPED BY STANDARD MAXIMUM CEILING SPACING AND LIMITED TO A SAFETY FACTOR OF 6:5, BUT NO LESS THAN 12 GAUGE WIRE. CEILING WEIGHT DETERMINES THE SIZE AND SPACING OF HANGER WIRE.

2. RUNNERS AND CROSS FURRING: DEFLECTION IS LIMITED TO 1/360 OF THE SHORTEST SPAN UNDER THE CEILING LOAD.

1.0 REFERENCE DOCUMENTS:

1.1 ASTM STANDARDS

1.1.1 ASTM C-754 INSTALLATION OF STEEL FRAMING TO RECEIVE SCREW ATTACHED GYPSUM PANELS
1.1.2 ASTM C-840 APPLICATION AND FINISHING OF GYPSUM BOARD (SEC.15)
1.1.3 ASTM C-841 INSTALLATION OF INTERIOR LATHING AND FURRING (SECS. 7.2 & 7.4)
1.1.4 ASTM C-844 APPLICATION OF GYPSUM BASE TO RECEIVE GYPSUM VENEER PLASTER (SEC.15)

1.2 RELATED STANDARDS:

1.2.1 GA 216 APPLICATION AND FINISHING OF GYPSUM BOARD (SEC.12)
1.2.2 GA 600 FIRE-RESISTANCE DESIGN MANUAL
1.2.5 ICBO EVALUATION REPORT ER-4071
1.2.6 MANUFACTURERS SPECIFICATIONS FOR THE APPLICATION OF CEMENT BOARD TO CEILINGS.

2.0 MATERIALS:

2.1 HANGER WIRE FOR CEILINGS WEIGHING 4 LBS PSF OR LESS SHALL BE #12 GA DIAMETER GALVANIZED, SOFT ANNEALED STEEL WIRE.

2.2 HANGER WIRE FOR CEILINGS WEIGHING UP TO 10 LBS SHALL BE #9 GA GALVANIZED, SOFT ANNEALED STEEL WIRE.

2.3 MAIN RUNNERS (CARRIERS) SHALL BE 1-1/2 X 16 GAUGE COLD ROLLED CHANNELS WEIGHING 475 LBS. PER THOUSAND LINEAL FEET. GALVANIZED OR CORROSION INHIBITING COATING FOR EXTERIOR OR HUMID CONDITIONS.

2.4 FURRING SHALL BE 7/8" X 25 GAUGE HAT SHAPED SECTIONS. GALVANIZED OR CORROSION INHIBITING COATING FOR EXTERIOR OR HUMID CONDITIONS.

2.5 TIE WIRE SHALL BE 16 GAUGE AND/OR 18 GAUGE GALVANIZED, SOFT ANNEALED STEEL WIRE.

3.0 INSTALLATION:

3.1 WIRE HANGERS SHALL BE ATTACHED TO, OR PRE-INSTALLED IN STRUCTURE CAPABLE OF SUPPORTING THE CEILING WEIGHT, PLUS SAFETY MARGIN, WITHOUT DEFLECTION. THE HANGER ATTACHMENT SHALL DEVELOP FULL HANGER STRENGTH. HANGERS SHALL BE STRAIGHT AND WITHIN A RATION OF 16 OF PLUMB. AVOID HANGER SPLICES. HANGER WIRES SHALL NOT CONTACT MECHANICAL OR ELECTRICAL ITEMS ABOVE THE CEILING. HANGER WIRES SHALL BE INSTALLED AT 4' OC, AND SHALL BE LOCATED WITHIN 6" OF THE ENDS OF MAIN RUNNERS.

3.2 MAIN RUNNERS SHALL BE SPACED AT 4' OC. MAIN RUNNERS SHALL BE LOCATED WITHIN 6" OF PARALLEL WALLS. ATTACH HANGER WIRES TOT HE MAIN RUNNERS WITH A SADDLE TIE THAT PREVENTS SETTLING, UPLIFT, OR TWISTING OF THE MAIN RUNNERS. SPLICE FURRING WITH A NESTED 12" LAP AND A DOUBLE WRAP WIRE TIE AT EACH END. MAIN RUNNERS SHALL BE INSTALLED TO WITHIN +/- 1/8" OF A FLAT PLANE.

3.3. CROSS FURRING SHALL BE SADDLE TIED TO MAIN RUNNERS WITH #16 GAUGE WIRE OR TWO STRANDS OF #18 GAUGE WIRE OR APPROVED CLIPS. SPLICE FURRING WITH AN 8" NESTED LAP SCREWED OR WIRE TIED AT EACH END. THE REQUIRED FURRING SPACING IS 24" OC FOR 5/8" THICK GYPSUM PANELS AND 16" OC FOR 1/2" THICK GYPSUM PANELS. FOR OTHER COMBINATIONS AND THICKNESS OF GYPSUM PANELS OR FOR CEMENT BOARD APPLICATIONS, SEE THE APPROPRIATE RELATED REFERENCE STANDARD OR MANUFACTURES SPECIFICATIONS.

3.4 WHEN THE STRUCTURE FROM WHICH THE CEILING IS SUSPENDED IS CAPABLE OF MOVEMENT INDEPENDENT OF THE STRUCTURE SUPPORTING ABUTTING WALL AND PARTITIONS, THE CEILING FRAMING SHALL NOT BE ATTACHED TO OR IN CONTACT WITH THE WALLS. INSTALL GYPSUM OR CEMENT PANELS TO THE CEILING WITH LONG DIMENSIONS PERPENDICULAR TO FURRING MEMBERS. PANEL ENDS SHALL OCCUR OVER FURRING MEMBERS UNLESS DICTATED BY OTHERWISE BY FIRE OR SOUND RATED SYSTEMS.

3.5 ACCESSORIES: ACCESSORIES APPROPRIATE TO THE CEILING TYPE SHALL BE SUED, AND BE INSTALLED ACCORDING TO THE RELATED REFERENCE STANDARD.

3.6 GENERAL INFORMATION: LARGE SUSPENDED CEILINGS, MORE THAN 50 LINEAL FT. IN ONE DIMENSION OR MORE THAN 2500 SF, SHOULD NOT CONTACT ABUTTING WALLS OR COLUMNS. CONTROL JOINTS SHOULD BE USED TO MAINTAIN PANEL DIMENSIONS OF 50 LF. OR LESS, AND TO DIVIDE CEILING AREAS INTO MAXIMUMS OF 2500 SF. FRAMING SHOULD BE BROKEN OR SPLICED AT CONTROL JOINTS. FLEXIBLE SEALANT OR FOAM TAPE MAY BE INSTALLED BETWEEN THE CASING BEAD AND THE ABUTTING SURFACES. ADDITIONAL CARRIERS AND FURRING CHANNELS AND HANGER WIRES SHALL BE INSTALLED TO FRAME AROUND CEILING PENETRATIONS, SUCH AS LIGHT FIXTURES, ACCESS PANELS AND DUCT WORK. FOR CEILING WEIGHING MORE THAN 7LB. PER SF, USE 20 GA FURRING AT REDUCED SPACING.

4.0 ALTERNATE CEILING FRAMING

FOR LIMITED CEILING WIDTHS, ALTERNATE FRAMING CONSISTING OF FURRING CHANNEL OR METAL JOIST SECTIONS MAY BE INSTALLED AS A SIMPLE SPAN BETWEEN RUNNERS ATTACHED TO OPPOSITE WALLS. THIS SYSTEM MAY BE USED ON CEILING THAT DO NOT REQUIRE PENETRATIONS LARGE ENOUGH TO INTERRUPT THE FRAMING, AND DO NOT CARRY HEAVY FIXTURE LOADS.

4.1 MATERIAL:

4.1.1 RUNNERS: SHALL BE THE SAME SIZE AND GAUGE AS FRAMING MEMBERS. ANGEL RUNNER MAY BE USED TO SUPPORT HAT CHANNEL FRAMING.

4.1.2 FRAMING: THE FOLLOWING TABLE LISTS THE MAXIMUM SINGLE SPAN FOR FRAMING MEMBERS INSTALLED AT 16" OR 24" OC TO RECEIVE SINGLE LAYER CEILING PANELS.

| MEMBERS | MAX. SINGLE SPAN |
|---|---|
| 7/8" X 25 GA HAT CHANNEL | 4'-0" |
| 1-5/8" X 25 GA C SECTION | 5'-0" |
| 2-1/2" X 25 GA C SECTION | 6'-0" |
| 3-1/2" X 25 GA C SECTION | 8'-0" |

4.2 INSTALLATION:

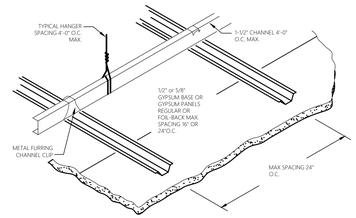
4.2.1 ATTACH RUNNERS TO WALLS WITH 2 FASTENERS AT EACH WALL STUD

4.2.2 CUT FRAMING MEMBERS TO WITHIN 1/4" OF CEILING WIDTH

4.2.3. ATTACH FRAMING TO RUNNERS WITH SCREWS AT BOTH TOP AND BOTTOM FLANGES

5.0 FINISHING

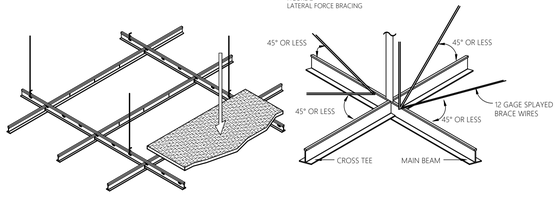
5.1 APPLICATION OF PANELS AND FINISHING SHALL BE IN ACCORDANCE WITH THE APPROPRIATE RELATED SPECIFICATION.




1 SUSPENDED GYPSUM BOARD CEILING
NO SCALE

LATERAL FORCE BRACING (FIGURES 2 AND 3)

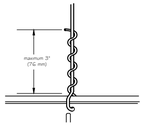
FIGURE 2
LATERAL FORCE BRACING




THIS DOCUMENT PROVIDES THE IBC-REFERENCED STANDARDS FOR THE INSTALLATION OF SUSPENSION SYSTEMS FOR ACOUSTICAL LAY-IN CEILINGS. INCORPORATION OF THIS DOCUMENT WILL PROVIDE A MORE UNIFORM STANDARD FOR INSTALLATION AND INSPECTION. THIS DOCUMENT IS DESIGNED TO ACCOMPLISH THE INTENT OF THE INTERNATIONAL BUILDING CODE (IBC) WITH REGARD TO THE REQUIREMENTS FOR SEISMIC DESIGN CATEGORY D, E, AND F FOR SUSPENDED CEILINGS AND RELATED ITEMS. UNLESS SUPPORTED BY ENGINEERING, THE SUSPENSION SYSTEM SHALL BE INSTALLED PER THE REQUIREMENTS FOR SEISMIC DESIGN CATEGORY (SDC) D, E AND F PER THE IBC. MANUFACTURERS' RECOMMENDATIONS SHOULD BE FOLLOWED.

GENERAL RECOMMENDATIONS

- REFERENCED SOURCES PER HIERARCHY: 2009 IBC (INTERNATIONAL BUILDING CODE), AMERICAN SOCIETY OF TESTING MATERIALS (ASTM C 635, ASTM C 636, ASTM E 580/ASTM E 580M), AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE7-05) AND CEILINGS AND INTERIOR SYSTEMS CONSTRUCTION ASSOCIATION (CISCA).
- PARTITIONS THAT ARE TIED TO THE CEILING AND ALL PARTITIONS GREATER THAN 6 FEET IN HEIGHT SHALL BE LATERALLY BRACED TO THE STRUCTURE. BRACING SHALL BE INDEPENDENT OF THE CEILING SPLAY BRACING SYSTEM. SOURCE: ASCE 7-05 SECTION 13.5.8.1
- FOR FURTHER INFORMATION ON BRACING OF NON-LOAD BEARING PARTITIONS REFER TO NWCB TECHNICAL DOCUMENT #200-501
- ALL MAIN BEAMS ARE TO BE HEAVY DUTY (HD). SOURCE ASCE 7-05 SECTION 13.5.6.2.2 a
- ALL CROSS TEES SHALL BE CAPABLE OF CARRYING THE DESIGN LOAD WITHOUT EXCEEDING DEFLECTION EQUAL TO 1/360 OF ITS SPAN. SOURCE CISCA ZONES 3-4




- THESE RECOMMENDATIONS ARE INTENDED FOR SUSPENDED CEILINGS INCLUDING GRID, PANEL OR TILE, LIGHT FIXTURES AND AIR TERMINALS WEIGHING NO MORE THAN 4LBS PER SQUARE FOOT. SOURCE ASCE 7-05 SECTION 13.5.6.1
- ALL WIRE TIES ARE TO BE THREE TIGHT TURNS AROUND ITSELF WITHIN THREE INCHES. TWELVE GAGE HANGER WIRE SPACED 4 FOOT ON CENTER (FIGURE 1). SOURCE ASTM C 636 ITEM 2.3.4
- CHANGES IN CEILING PLANES WILL REQUIRE POSITIVE BRACING. SOURCE: ASCE 7-05 13.5.6.2.2 f

FIGURE 3
MAXIMUM RECOMMENDED LENGTHS FOR VERTICAL STRUTS

| EMT CONDUIT | |
|---|---|
| 1/2" EMT conduit | up to 5'-10" |
| 3/4" EMT conduit | up to 7'-8" |
| 1" EMT conduit | up to 9'-9" |
| **METAL STUDS** | |
| Single 1-5/8" metal stud (20 gauge) | up to 12'-0" |
| Back-to-back 1-5/8" metal stud (20 gauge) | up to 15'-0" |
| Single 2-1/2" metal stud (20 gauge) | up to 13'-6" |
| Back-to-back 2-1/2" metal stud (25 gauge) | up to 15'-0" |

SOURCE: PORTLAND BUILDING DEPARTMENT

NOTE: PLENUM AREAS GREATER THAN 15'-0" WILL REQUIRE ENGINEERING CALCULATIONS.

FIGURE 4a
ATTACHED WALL MOLDING REQUIREMENTS

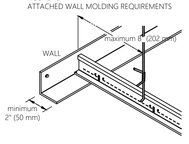
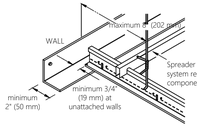



FIGURE 4b
UNATTACHED WALL MOLDING REQUIREMENTS




LATERAL FORCE BRACING (FIGURES 2 AND 3)

- CEILINGS CONSTRUCTED OF LATH AND PLASTER OR GYPSUM BOARD, SCREW OR NAIL ATTACHED TO SUSPENDED MEMBERS THAT SUPPORT A CEILING ON ONE LEVEL EXTENDING FROM WALL TO WALL SHALL BE EXEMPT FROM THE LATERAL FORCE BRACING REQUIREMENTS.
- LATERAL FORCE BRACING IS THE USE OF VERTICAL STRUTS (COMPRESSION POSTS) AND SPLAY WIRES (SEE FIGURE 2).
- FOR CEILING AREAS EXCEEDING 1,000 SQUARE FEET, HORIZONTAL RESTRAINT OF THE CEILING TO THE STRUCTURAL SYSTEM (LATERAL FORCE BRACING) SHALL BE PROVIDED. SOURCE: ASCE 7-05 SECTION 13.5.6.2.2 c
- LATERAL FORCE BRACING SHALL BE 12 FEET ON CENTER (MAXIMUM) AND BEGIN NO FARTHER THAN 6 FEET FROM WALLS.
- SEISMIC SPLAY WIRES ARE TO BE FOUR 12 GAGE WIRES ATTACHED TO THE MAIN BEAM. WIRES ARE ARRAYED AT 90DM EACH OTHER AND AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING.
- SEISMIC SPLAY WIRES SHALL BE ATTACHED TO THE GRID AND TO THE STRUCTURE IN SUCH A MANNER THAT THEY CAN SUPPORT A DESIGN LOAD OF NOT LESS THAN 200 POUNDS OR THE ACTUAL DESIGN LOAD, WITH A SAFETY FACTOR OF 2, WHICHEVER IS GREATER (FIGURE 6b).
- "POWDER DRIVEN SHOT-IN-ANCHORS" WHEN USED FOR SEISMIC APPLICATION AS PART OF THE PRESCRIPTIVE PATH IN SEISMIC DESIGN CATEGORY B SHALL HAVE AN ICC-ES APPROVAL FOR SEISMIC APPLICATIONS AND SHALL REQUIRE "SPECIAL INSPECTION" IRRESPECTIVE OF THE TYPE OR OCCUPANCY CATEGORY THE STRUCTURE IS IN. ANCHORS FOR KICKER WIRES (SPLAYED WIRES) INSTALLED FOR PURPOSES OTHER THAN SEISMIC RESTRAINT) ARE EXEMPT FROM REQUIREMENT.
- SPLAY WIRES ARE TO BE WITHIN 2 INCHES OF THE CONNECTION OF THE VERTICAL STRUT TO SUSPENDED CEILING.
- RIDGED BRACING MAY BE USED IN LIEU OF SPLAY WIRES. SOURCE: ASCE SECTION 13.5.6.2.2 c
- CEILINGS WITH PLENUMS LESS THAN 12 INCHES TO STRUCTURE ARE NOT REQUIRED TO HAVE LATERAL FORCE BRACING.
- VERTICAL STRUTS MUST BE POSITIVELY ATTACHED TO THE SUSPENSION SYSTEMS AND THE STRUCTURE ABOVE.
- THE VERTICAL STRUT MAY BE EMT CONDUIT, METAL STUDS OR A PROPRIETARY COMPRESSION POST (SEE FIGURE 3).
- CEILINGS WITH INTERSTITIAL SPACES LESS THAN 12 INCHES TO FRAMING ARE NOT REQUIRED TO HAVE LATERAL FORCE BRACING.

**WALL MOLDINGS** (FIGURES 4a AND 4b)

- WALL MOLDINGS (PERIMETER CLOSURE ANGLES) ARE REQUIRED TO HAVE A HORIZONTAL FLANGE 2 INCHES WIDE. ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE WALL MOLDING, THE OTHER END SHALL HAVE A 3/4 INCH CLEARANCE FROM THE WALL AND FREE TO SLIDE. SOURCE: ASCE 7-05 SECTION 13.5.6.2.2 b
- WHERE SUBSTANTIATING DOCUMENTATION HAS BEEN PROVIDED TO THE LOCAL JURISDICTION, PERIMETER CLIPS MAY BE USED TO SATISFY THE REQUIREMENTS FOR THE 2-INCH CLOSURE ANGLE.
- THE GRID SHALL BE ATTACHED AT TWO ADJACENT WALLS (POP RIVETS OR APPROVED METHOD). SOFFITS EXTENDING TO A POINT AT LEAST LEVEL WITH THE BOTTOM PLANE OF THE GRID AND INDEPENDENTLY SUPPORTED AND LATERALLY BRACED TO THE STRUCTURE ABOVE ARE DEEMED TO BE EQUIVALENT TO WALLS.

**SPREADER BARS** (FIGURE 4b)

- SPREADER (SPACER) BARS SHALL BE USED TO PREVENT THE ENDS OF THE MAIN BEAMS AND CROSS TEES AT PERIMETER WALLS FROM SPREADING OPEN DURING A SEISMIC EVENT. PERIMETER WIRES SHALL NOT BE IN LIEU OF SPREADER BARS.
- SPREADER BARS ARE NOT REQUIRED AT PERIMETERS WHERE RUNNERS ARE ATTACHED DIRECTLY TO CLOSURE ANGLES.
- WIRE TYING IS AN ACCEPTABLE ALTERNATIVE TO SPREADER BARS.
- SPREADER BARS ARE NOT REQUIRED IF A 90 DEGREE INTERSECTING CROSS OR MAIN IS WITHIN 8 INCHES OF THE PERIMETER WALL.
- WHERE SUBSTANTIATING DOCUMENTATION HAS BEEN PROVIDED TO THE LOCAL JURISDICTION, PERIMETER CLIPS MAY BE USED TO SATISFY THE REQUIREMENTS FOR SPREADER BARS.

**HANGER (SUSPENSION) WIRES** (FIGURES 5a AND 5b)

- HANGER AND PERIMETER WIRES MUST BE PLUMB WITHIN 1 IN 6 UNLESS (FIGURE 5a) COUNTER SLOPING WIRES ARE PROVIDED (FIGURE 5b). SOURCE: ASTM C 636 SECTION 2.1.4
- HANGER WIRES SHALL BE 12 GAGE AND SPACED 4 FEET ON CENTER OR 10 GAGE SPACED 5 FEET ON CENTER. SOURCE: ASTM C 636
- ANY CONNECTION DEVICE AT THE SUPPORTING CONSTRUCTION SHALL BE CAPABLE OF CARRYING NOT LESS THAN 100 POUNDS.
- POWDER DRIVEN SHOT-IN-ANCHORS ARE AN APPROVED METHOD OF ATTACHMENT FOR HANGER WIRES.
- TERMINAL ENDS OF EACH MAIN BEAM AND CROSS TEE MUST BE SUPPORTED WITHIN 8 INCHES OF EACH WALL WITH A PERIMETER WIRE (SEE FIGURE 4 & 5b).
- WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. A TRAPEZE OR EQUIVALENT DEVICE SHALL BE USED WHERE OBSTRUCTIONS PRECLUDE DIRECT SUSPENSION. TRAPEZE SUSPENSIONS SHALL BE A MINIMUM OF BACK-TO-BACK 1-1/4" COLD-ROLLED CHANNELS FOR SPANS EXCEEDING 48 INCHES.

**ELECTRICAL FIXTURES**

- LIGHT FIXTURES WEIGHING LESS THAN 10 POUNDS SHALL HAVE ONE 12 GAGE HANG WIRE CONNECTED FROM THE FIXTURE TO THE STRUCTURE ABOVE. THIS WIRE MAY BE SLACK.
- LIGHT FIXTURES WEIGHING MORE THAN 10 POUNDS AND LESS THAN 56 LBS. SHALL HAVE TWO 12 GAGE WIRES ATTACHED AT OPPOSING CORNERS OF THE LIGHT FIXTURE TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK.
- LIGHT FIXTURES WEIGHING MORE THAN 56 LBS. SHALL BE SUPPORTED BY DIRECTLY FROM THE STRUCTURE ABOVE. THESE WIRES MUST BE TAUT.
- PENDANT MOUNTED FIXTURES SHALL BE DIRECTLY SUPPORTED FROM THE STRUCTURE ABOVE USING A 9 GAGE WIRE OR AN APPROVED ALTERNATE SUPPORT WITHOUT USING THE CEILING SUSPENSION SYSTEM FOR DIRECT SUPPORT.
- TANDEM FIXTURES MAY UTILIZE COMMON WIRES.

**MECHANICAL SERVICES**

- TERMINALS OR SERVICES WEIGHING 20 LBS. BUT NOT MORE THAN 56 LBS. MUST HAVE TWO 12 GAGE WIRES CONNECTING THEM TO THE CEILING SYSTEM HANGERS OR THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK.
- TERMINALS OR SERVICES WEIGHING MORE THAN 56 LBS. MUST BE INDEPENDENTLY SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE. THESE WIRES MUST BE TAUT.

**SEISMIC SEPARATION JOINTS** (FIGURE 7)

- FOR CEILING AREAS EXCEEDING 2,500 SQUARE FEET, A SEISMIC SEPARATION JOINT OR FULL HEIGHT WALL PARTITION THAT BREAKS THE CEILING SHALL BE PROVIDED UNLESS ANALYSES ARE PERFORMED OF THE CEILINGS BRACING SYSTEM, CLOSURE ANGLES AND PENETRATIONS TO PROVIDE SUFFICIENT CLEARANCE. SOURCE: ASCE 7-05 SECTION 13.5.6.2.2 d
- THE LAYOUT AND LOCATION OF THE SEISMIC SEPARATION JOINT SHALL BE PER THE DESIGNER OF RECORD AND NOTED ON THE PLANS. IF A SEISMIC SEPARATION JOINT IS REQUIRED BY THE DESIGNER, THE DESIGNER MAY USE THE GENERIC JOINT DETAILED IN THIS DOCUMENT OR A PROPRIETARY JOINT. THE AMOUNT OF FREE MOVEMENT (GAP DESIGN) SHALL BE A MINIMUM OF 3/4 INCH.
- IN LIEU OF SEISMIC SEPARATION JOINTS, THE CEILING MAY BE DIVIDED INTO AREAS LESS THAN 2500 SQUARE FEET BY THE USE OF PARTITIONS OR SOFFITS AS "OLLOWS: PARTITIONS SHALL EXTEND A MINIMUM OF 6 INCHES ABOVE THE LEVEL OF THE PLANE OF THE GRID AND SHALL BE INDEPENDENTLY BRACED TO THE STRUCTURE ABOVE. SOFFITS SHALL EXTEND TO A POINT AT LEAST LEVEL WITH THE BOTTOM PLANE OF THE GRID AND SHALL BE INDEPENDENTLY SUPPORTED AND LATERALLY BRACED TO THE STRUCTURE ABOVE.
- OTHER THAN PARTITIONS AND SOFFITS, SEISMIC JOINTS MAY NOT BE USED AS PART OF A FIRE RATED CEILING ASSEMBLY UNLESS SUBSTANTIATING DOCUMENTATION IS PROVIDED.

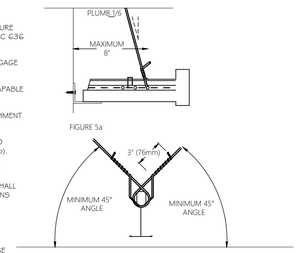



FIGURE 5a




FIGURE 5b • COUNTER SLOPING

VERTICAL HANGER WIRE ATTACHMENT

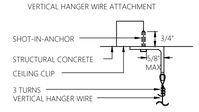



FIGURE 6a

SPLAYED SEISMIC BRACING WIRE ATTACHMENT

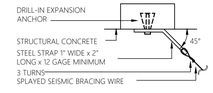



FIGURE 6b

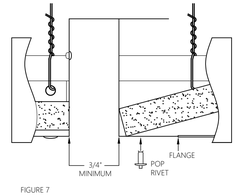



FIGURE 7

**SPRINKLERS**

FOR CEILING WITHOUT RIGID BRACING, SPRINKLER HEAD PENETRATIONS SHALL HAVE A 2 INCH OVERSIZE RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF AT LEAST 1 INCH IN ALL HORIZONTAL DIRECTIONS. FLEXIBLE HEAD DESIGN THAT CAN ACCOMMODATE 1 INCH FREE MOVEMENT SHALL BE PERMITTED AS AN ALTERNATE. SOURCE: ASCE 7-05 13.5.6.2.2 e

**GLOSSARY FOR THIS DOCUMENT (REGIONAL TERMINOLOGY MAY VARY)**

CROSS TEES
THE CROSS MEMBER THAT INTERLOCK WITH THE MAIN BEAMS, ALSO KNOWN AS CROSS RUNNERS OR CROSS T-BARS.

DIFFUSER
A CIRCULAR OR RECTANGULAR METAL GRILL USED FOR THE PASSAGE OF AIR FROM A DUCTED SYSTEM.

ESSENTIAL SERVICE BUILDINGS
ANY BUILDINGS DESIGNED TO BE USED BY PUBLIC AGENCIES AS A FIRE STATION, POLICE STATION, EMERGENCY OPERATIONS CENTER, STATE PATROL OFFICE, SHERIFF'S OFFICE, OR EMERGENCY COMMUNICATION DISPATCH CENTER.

GRID
THE MAIN BEAMS AND CROSS TEES OF THE SUSPENSION SYSTEM.

HANGER WIRE
12 OR 12 GAGE SOFT ANNEALED WIRE USED AS PRIMARY SUPPORT FOR THE GRID SYSTEM. ALSO CALLED SUSPENSION WIRES.

LATERAL FORCE BRACING
THE BRACING METHOD USED TO PREVENT CEILING UPLIFT OR RESTRICT LATERAL MOVEMENT DURING A SEISMIC EVENT. LATERAL FORCE BRACING CONSISTS OF VERTICAL STRUTS AND SPLAY WIRES.

MAIN BEAM
THE PRIMARY SUSPENSION MEMBER SUPPORTED BY HANGER WIRES, ALSO KNOWN AS THE MAIN RUNNER.

MOLDING/CLOSURE ANGLE
A LIGHT GAUGE METAL ANGLE OR CHANNEL FASTENED TO THE PERIMETER WALL OR PARTITION TO SUPPORT THE PERIMETER ENDS OF AN ACOUSTICAL CEILING GRID

PERIMETER CLIPS
PROPRIETARY ANGLE BRACKET ATTACHED DIRECTLY TOT EH WALL MOLDING/CLOSURE ANGLE WHICH ALLOWS FOR 3/4" MOVEMENT IN THE EVENT OF SEISMIC ACTIVITY AND INTERLOCKS PROPERLY WITH ENDS OF GRID SYSTEM.

PERIMETER WIRES
HANGER WIRES PLACED WITHIN EIGHT INCHES OF THE SURROUNDING WALLS.

PLENUM
THE SPACE ABOVE A SUSPENDED CEILING.

SLACK WIRE
A 12 GAGE WIRE THAT IS NOT TIGHT OR TAUT.

SPREADER OR SPACER BAR
A BAR WITH NOTCHES TO PREVENT THE SUSPENSION SYSTEM FROM SEPARATING, ALSO CALLED A STABILIZER BAR.

SPLAY WIRES
WIRES INSTALLED AT AN ANGLE RATHER THAN PERPENDICULAR TO THE GRID.

VERTICAL STRUTS
THE RIGID VERTICAL MEMBER USED IN LATERAL FORCE BRACING OF THE SUSPENSION SYSTEM. ALSO KNOWN AS A COMPRESSION POSTS, SEISMIC PODS, SEISMIC STRUTS. COMMON MATERIALS ARE ELECTRICAL CONDUIT (EMT), METAL STUDS OR PROPRIETARY PRODUCTS.

**UPGRADING OF EXISTING CEILINGS**

- CEILINGS WITHOUT SEISMIC BRACING: WHERE EXISTING CEILINGS ARE WITHOUT SEISMIC BRACING, THE CEILING SYSTEM SHALL BE BROUGHT INTO SUBSTANTIAL COMPLIANCE WITH CURRENT CODE REQUIREMENTS WHEN 50% OR MORE OF THE CEILING TILE IS ALTERED, REPAIRED OR REPLACED AS PART OF A GENERAL SPACE ALTERATION, OR IF ALL OF THE CEILING SYSTEM IS REMOVED.

  -SUBSTANTIAL COMPLIANCE MEANS INSTALLATION OF THE FOLLOWING ITEMS WHERE REQUIRED IN NEW CONSTRUCTION:
  -LATERAL FORCE BRACING (SPLAYED WIRES)
  -COMPRESSION STRUTS
  -SLACK WIRES ON ALL LIGHT FIXTURES AND AIR TERMINALS

  -THIS REQUIREMENT DOES NOT TRIGGER THE NEED FOR:
  -2 INCH CLOSURE ANGLE AS SPECIFIED IN SECTION II
  -SEISMIC SEPARATION JOINTS
  -1 INCH MOVEMENT IN ALL DIRECTIONS AROUND SPRINKLER PENDANTS

  -THESE UPGRADES ARE NOT REQUIRED WHEN:
  -REMOVING PORTIONS OF TILES OR PANELS AND/OR GRID TO ALTER DUCTWORK, SPRINKLER PIPE, ETC.
  -PORTIONS OF A CEILING ARE REMOVED ONLY TO FACILITATE THE INSTALLATION OF SPRINKLER PIPING

- CEILINGS WITHOUT COMPRESSION STRUTS: WHERE EXISTING CEILINGS HAVE SEISMIC BRACING BUT DO NOT HAVE COMPRESSION STRUTS AT THE CENTER OF THE SPLAYED WIRES, THE ADDITION OF COMPRESSION STRUTS WILL ONLY BE REQUIRED WHEN AND WHERE THE GRID IS REPLACED, ALTERED, RAISED OR LOWERED.

2 SUSPENDED SYSTEMS FOR ACOUSTICAL LAY-IN CEILINGS
NO SCALE

DESIGN & CONSTRUCTION MANAGEMENT:


**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com


**Seal**

**Architect / Engineer Job No.:** RT2025-0218

**EssilorLuxottica DD Set Layout No.:** 14

**EssilorLuxottica Project Number** 101399

**Brand Design Type:** LC09

**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

**Sheet Name:** CEILING DETAILS

**Date** 05/01/2026
**Drawn By** L.MITCHELL
**Checked By** J.MARJI

**Sheet No.:** A440




NOTE: RENDERINGS ARE PROVIDED FOR REFERENCE ONLY.
CONSTRUCTION DRAWINGS PREVAIL

1 **RENDERING - INTERIOR 1**
NOT TO SCALE




NOTE: RENDERINGS ARE PROVIDED FOR REFERENCE ONLY.
CONSTRUCTION DRAWINGS PREVAIL

2 **RENDERING - INTERIOR 2**
NOT TO SCALE




NOTE: RENDERINGS ARE PROVIDED FOR REFERENCE ONLY.
CONSTRUCTION DRAWINGS PREVAIL

3 **RENDERING - INTERIOR 3**
NOT TO SCALE




4 **RENDERING - STOREFRONT**
NOT TO SCALE

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE #518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

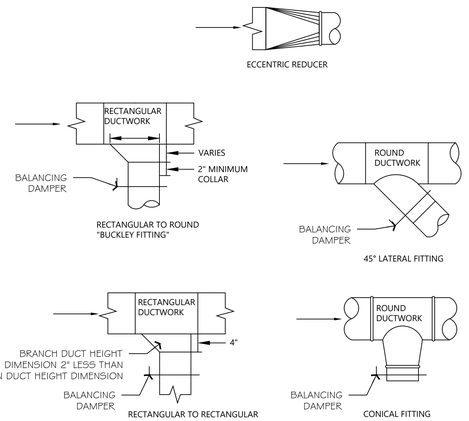
EssilorLuxottica Project Number 101399

Brand Design Type:
LC09

ISSUED FOR:
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☒ PERMIT ☐ BULLETIN

Sheet Name:
RENDERINGS

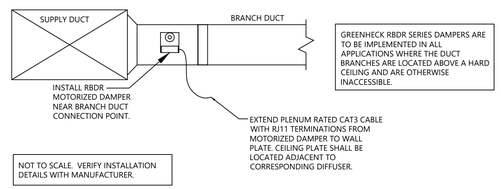
Date 05/01/2026
Drawn By L.MITCHELL
Checked By J.MARJI
Sheet No.: A900




## A DUCT BRANCH TAKE-OFF DETAIL

SCALE: NONE

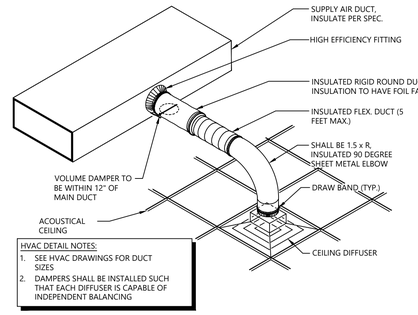
A-LC09-M001-REV04




## B GREENHECK RBDR MOTORIZED DAMPER

SCALE: NONE

F-LC09-M001-REV05




HVAC DETAIL NOTES:

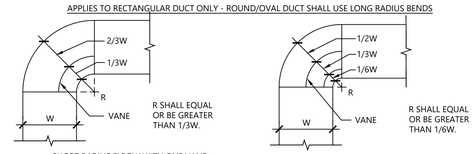
1. SEE HVAC DRAWINGS FOR DUCT SIZES
2. DAMPERS SHALL BE INSTALLED SUCH THAT EACH DIFFUSER IS CAPABLE OF INDEPENDENT BALANCING

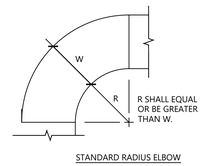
## C DUCT CONNECTION DETAIL

SCALE: NONE

C-LC09-M001-REV04

APPLIES TO RECTANGULAR DUCT ONLY - ROUND/OVAL DUCT SHALL USE LONG RADIUS BENDS




## D RADIUS ELBOW DETAIL

SCALE: NONE

D-LC09-M001-REV04

### TABLE - 2

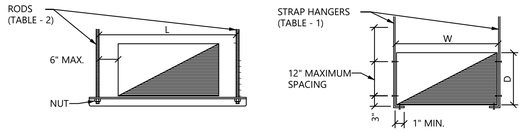
ALLOWABLE HANGER LOAD, MAX.

| STRAPS | LBS. | RODS | LBS. |
|---|---|---|---|
| (2) 1" x 22 GA. | 520 | (2) 1/4"Ø | 540 |
| (2) 1" x 20 GA. | 640 | (2) 3/8"Ø | 1360 |
| (2) 1" x 18 GA. | 840 | (2) 1/2"Ø | 2500 |
| (2) 1" x 16 GA. | 1400 | (2) 5/8"Ø | 4000 |
| | | (2) 3/4"Ø | 6000 |

### TABLE - 1

STRAP HANGERS (PAIR) SPACED

| W + D MAX. | 10'-0" MAX. | 8'-0" MAX. | 5'-0" MAX. |
|---|---|---|---|
| 72" | 1" x 22 GA. | 1" x 22 GA. | 1" x 22 GA. |
| 96" | | 1" x 20 GA. | 1" x 22 GA. |
| 120" | | 1" x 18 GA. | 1" x 22 GA. |
| 168" | | | 1" x 18 GA. |
| 192" | | | 1" x 16 GA. |




## E RECTANGULAR DUCT SUPPORT DETAIL - NON SEISMIC

SCALE: NONE

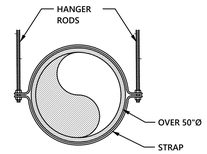
I-LC09-M001-REV04

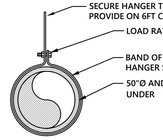
### HANGER STRAPS / RODS

| MAX. DUCT DIA. | HANGER | MAX. LOAD LBS. | MAX. SPACING FT. |
|---|---|---|---|
| 26" | (1) 1" x 22 GA. STRAP | 260 | 12 |
| 36" | (1) 1" x 18 GA. STRAP | 420 | 12 |
| 50" | (1) 1" x 16 GA. STRAP | 700 | 12 |
| 60" | (2) 3/8"Ø RODS | 1320 | 12 |
| 84" | (2) 1/2"Ø RODS | 2500 | 12 |

**NOTE:**

**1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.**




## F ROUND DUCT SUPPORT DETAIL - NON SEISMIC

SCALE: NONE

J-LC09-M001-REV04

## A GENERAL NOTES - APPLIES TO ALL SHEETS

A. THE CONTRACT DOCUMENTS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS, THE SELECTION OF WHICH HAS IMPACTED THE DESIGNS OF OTHER TRADES. IF ALTERNATE MANUFACTURERS ARE SUBMITTED OR BID, IT IS THE RESPONSIBILITY OF THIS G.C. TO COORDINATE ALL DIFFERENCES AND IMPACTS WITH ALL TRADES PRIOR TO BID, INCLUDING COSTS ASSOCIATED WITH REQUIRED CHANGES TO OTHER TRADES. NO EXTRAS WILL BE ALLOWED FOR CHANGES REQUIRED TO OTHER TRADES IF ALTERNATE EQUIPMENT IS BID OR INSTALLED AT THE G.C.'S OPTION. NO ALTERNATES WILL BE PERMITTED WITHOUT FIRST BEING APPROVED VIA SUBMITTAL TO THE ENGINEER OF RECORD. ALLOW FOR 14 DAYS FOR SUBMITTAL REVIEW.

B. EXISTING MECHANICAL INFORMATION IS BASED ON LIMITED EXISTING BUILDING DRAWINGS AND FIELD WORK. THE G.C. SHALL FIELD VERIFY THE EXISTING CONDITIONS FOR ACCURACY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR REVISIONS TO THE DESIGN TO CORRECT FOR EXISTING CONDITIONS NOT AS INDICATED ON THE PLANS.

C. G.C. SHALL NOTIFY TENANT, ARCHITECT AND ENGINEER OF ANY SITUATIONS THAT MODIFY OR INCREASE THE SCOPE OF WORK FROM WHAT IS DESCRIBED IN THE DOCUMENTS.

D. G.C. SHALL BE RESPONSIBLE FOR ALL CUTTING/PATCHING RELATED TO THEIR WORK.

E. COORDINATE LOCATION AND ELEVATION OF MECHANICAL WORK WITH ALL DUCTWORK, LIGHT FIXTURES, AND OTHER CEILING BUILT-IN FIXTURES. CONTACT ENGINEER OR ARCHITECT IMMEDIATELY SHOULD ANY CONFLICT ARISE.

F. MOUNTING OF ALL EQUIPMENT, DUCTWORK AND PIPING MUST BE DONE PER BUILDING GUIDELINES AND LOCAL CODES AND INDUSTRY STANDARDS. COORDINATE INSTALLATION OF EQUIPMENT SUPPORT WITH BUILDING MANAGER AND ESSILOR LUXOTTICA REPRESENTATIVE.

G. DUCT SIZES INDICATED REPRESENT CLEAR INTERIOR SHEET METAL DIMENSIONS.

H. ALL DUCTWORK CONCEALED ABOVE CEILINGS, AND ALL OUTSIDE AIR DUCTS, SHALL BE EXTERNALLY INSULATED. IF DUCTWORK IS RUN IN A NON-CONDITIONED SPACE ALL DUCTWORK MUST BE INSULATED WITH 2" FIBERGLASS INSULATION AND VAPOR BARRIER.

I. BRANCH DUCTS SERVING DIFFUSERS SHALL BE SIZED TO MATCH DIFFUSER NECK SIZE INDICATED.

J. ALL ROUND DUCT ELBOWS SHALL BE LONG SWEEP, 1-1/2 TIMES THE CENTERLINE RADIUS.

K. G.C. MUST REPLACE ALL AIR FILTERS IN HVAC UNITS WITH NEW CLEAN FILTERS BEFORE AIR BALANCING AND PRIOR TO FINAL TURNOVER TO TENANT.

L. IT IS THE G.C.'S RESPONSIBILITY TO ENSURE THAT THE MECHANICAL COMPONENTS ARE INSTALLED AT LOCATIONS AND ELEVATIONS WHICH MAKE THEM READILY AND SAFELY ACCESSIBLE FOR ROUTINE MAINTENANCE WITHOUT REQUIRING ANY EXTRAORDINARY MEASURES. ALL EQUIPMENT SHALL BE ACCESSIBLE, INCLUDING ALL SERVICEABLE COMPONENTS, AND SHALL BE WITHIN REACH FOR SERVICING AND MAINTENANCE.

M. THE TENANT RESERVES THE RIGHT TO CHECK CONSTRUCTION COMPLIANCE WITH PLANS AND SPECIFICATIONS. SHOULD THE TENANT FIND CORRECTIVE WORK NECESSARY, GC WILL BE NOTIFIED OF SUCH WORK IN WRITING AND EXPECT COMPLIANCE PERFORMED WITH DUE DILIGENCE. IF ANY CORRECTIVE WORK IS DEEMED TO BE NECESSARY, THE COST OF REINSPECTIONS WILL BE BORNE BY THE G.C. IF WORK IS REQUIRED BY TENANT IN ORDER TO IMPROVE, CHANGE OR CORRECT AIR CONDITIONING OPERATIONAL CONDITIONS DUE TO: PART MALFUNCTION, WARRANTY OR OTHER INABILITY TO PROVIDE THE COMFORT CONDITIONS REQUIRED BY THE STORE, G.C. SHALL BE DIRECTED BY TENANT TO ADDRESS THIS WORK IN A TIMELY MANNER. IF IT BECOMES EVIDENT THAT THE G.C. CAN NOT ACCOMPLISH THE TASK, THEN AFTER 72 HOURS OF WRITTEN NOTICE, THE TENANT MAY AT HIS DISCRETION TAKE OVER SUCH WORK AND BACK CHARGE THE G.C. FOR ANY CORRECTIVE WORK THAT WAS REQUIRED DUE TO LACK OF PERFORMANCE, WORKMANSHIP AND/OR ADHERENCE TO PLANS AND SPECIFICATIONS.

N. DUCTWORK SHALL NOT BE ROUTED OVER ELECTRIC PANELS AND TRANSFORMER.

O. GC RESPONSIBLE TO OBTAIN CERTIFIED AIR BALANCING REPORT FROM THIRD-PARTY VENDOR MELINK. GC TO COORDINATE WITH THIRD-PARTY VENDOR REGARDING THE SITE READINESS AND DATES OF INSPECTIONS AROUND TAB REPORTS, PRE-GRID WALK THROUGH AND COMMISSIONING. IF SITE IS NOT READY AND THE THIRD-PARTY VENDOR NEEDS TO RETURN TO PERFORM THEIR WORK, THE GC WILL BE RESPONSIBLE FOR ANY COSTS INCURRED FOR A REVISIT AS REQUIRED.

Q. IF SPACE ABOVE CEILING IS INDICATED TO BE A RETURN AIR PLENUM, CONSTRUCTION MATERIALS ABOVE CEILING SHALL BE NONCOMBUSTIBLE, OR HAVE A MAXIMUM 25 FLAME SPREAD AND 50 SMOKE DEVELOPMENT FINISH RATING. WIRING SHALL BE LABELED PLENUM RATED TYPE PER NFPA 70.

R. NO PVC PIPING ALLOWED IN PLENUM AREAS.

1-LC09-M001-REV04

## B RESPONSIBILITY SCHEDULE (HVAC)

T= TENANT
GC= GENERAL CONTRACTOR
LL= LANDLORD
MW= MILLWORKER
N/A= NOT APPLICABLE

| DIVISION 15000 - MECHANICAL | SUPL | RCV | INSTL | EXG | P & R | RELO | REMARKS |
|---|---|---|---|---|---|---|---|
| ACCESS PANELS | GC | GC | GC | | | | COORDINATE WITH ARCHITECT FOR SIZE AND LOCATION. |
| ROOF WORK | GC | GC | GC | | | | GC TO COORD. W/ LANDLORD WHEN REQUIRED |
| HVAC DISTRIBUTION, DUCTWORK, DIFFUSERS | GC | GC | GC | | | | |
| HVAC UNIT(S) - RTU, VAV, HAV, ETC. | T | GC | GC | | | | NEW HVAC UNITS PROVIDED BY TENANT. GC TO COORDINATE WITH ESSILOR PM. |
| HVAC UNIT CURBS | GC | GC | GC | | | | NO MODIFICATIONS TO EXISTING ROOFTOP EQUIPMENT UNDER THIS SCOPE OF WORK. |
| CONTROLS FOR HVAC UNIT(S) | GC | GC | GC | | | | WHERE LANDLORD CONTROLS ARE REQUIRED, UTILIZE LANDLORD CONTROLS CONTRACTOR AT GC'S EXPENSE |
| STRUCTURAL SUPPORTS FOR RTU'S | GC | GC | GC | | | | COORDINATE WITH ARCHITECT IF ADDITIONAL STRUCTURAL SUPPORTS ARE NEEDED. |
| STRUCTURAL SUPPORTS FOR VAV'S | GC | GC | GC | | | | COORDINATE WITH ARCHITECT IF ADDITIONAL STRUCTURAL SUPPORTS ARE NEEDED. |
| STRUCTURAL SUPPORTS FOR AIR HANDLERS | GC | GC | GC | | | | COORDINATE WITH ARCHITECT IF ADDITIONAL STRUCTURAL SUPPORTS ARE NEEDED. |
| TOILET ROOM EXHAUST FAN | GC | GC | GC | | | | |
| LANDLORD ENERGY MANAGEMENT SYSTEM | GC | GC | GC | | | | GC TO HIRE LANDLORD CONTROLS CONTRACTOR FOR ALL TEMPERATURE CONTROLS WHERE A LANDLORD CONTROL SYSTEM EXISTS. |
| SMOKE EVACUATION SYSTEM & CONTROLS | GC | GC | GC | | | | DESIGN/BUILD PER REQUIREMENTS. SEE MECHANICAL SHEETS FOR DETAILS |
| SMOKE DETECTORS | GC | GC | GC | | | | MECHANICAL CONTRACTOR TO FURNISH AND INSTALL. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS |

MEP RESP SCHEDULE-REV01

DESIGN & CONSTRUCTION MANAGEMENT:


EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Coolsys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


**Seal**

**Architect / Engineer Job No.:**
RT2025-0218

**EssilorLuxottica DD Set Layout No.:**
**14**

**EssilorLuxottica Project Number** 101399

**Brand Design Type:**
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

**Sheet Name:**
MECHANICAL GENERAL NOTES & DETAILS

**Date** 05/01/2026
**Drawn By** I.WIPATASILLAPIN
**Checked By** S.PATEL

**Sheet No.:**
M001

## INDOOR AIR HANDLER AND SPLIT SYSTEM SCHEDULE

| UNIT NUMBER | UNIT DATA MFR | BASE MODEL | FILTER | NOMINAL CFM | REQUIRED CFM | NOMINAL OUTSIDE AIR | TOTAL COOLING | SENSIBLE COOLING | TOTAL HEATING | ENTERING AIR DB | ENTERING AIR WB | LEAVING AIR DB | LEAVING AIR WB | ENTERING WATER | LEAVING WATER | MAX GPM | TOTAL BHP | VOLTAGE | FLA | MCA | MOCP | UNIT WEIGHT | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AHU-1 | CARRIER | 40RLSA12A2A5-UA1A0 | 2" | 5000 | 5000 | 800 CFM | 129.3 | 96.3 | 228.3 | 80 / 60 | 67 | 58.1 / 112.8 | 56.8 | 45 / 180 | 55 / 160 | 32.7 | 1.46 | 208/3/60 | - | 8A | 15A | 391 LBS | 1-6 |
| EAHU-2 | CARRIER | 40RUAA08T2A5A0A0A0 | - | 3000 | 3000 | 450 CFM | - | - | - | - | - | - | - | - | - | - | - | 208/3/60 | 7.1A | 9A | 15A | - | 7 |
| ECU-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 |

NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT AND STARTER FOR UNIT.
2. PROVIDE SEISMIC RATING OF UNIT IN COMPLIANCE WITH LOCAL AND STATE CODE.
3. PROVIDE CONDENSATE DRAIN PAN. COORDINATE WITH THE PLUMBING CONTRACTOR.
4. CONTRACTOR TO FIELD VERIFY THE EXISTING CONTROL VALVES ASSOCIATED WITH CHILLED WATER, HOT WATER SUPPLY SYSTEMS. REPLACE IN KIND AS NECESSARY
5. EQUIPMENT SUPPLIED BY TENANT AND INSTALLED MY MECHANICAL CONTRACTOR.
6. PROVIDE MIXING BOX FOR UNIT.
7. EXISTING, NO MODIFICATIONS TO EQUIPMENT UNDER THIS SCOPE OF WORK.

## Outside Air/Ventilation Calculation - Mechanical Code

Vbz = Rp*Pz + Ra*Az

| Room # | Area Classification | Area Az | PPL per 1000 SF | Zone Population Pz | Vent Air Per Person Rp | Vent Air Per Area Ra | Vent Air Required Vbz | Zone Outdoor Air Voz=Vbz/Ez | Exhaust Rate per SF | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 101 | Retail Sales | 1425 | 15 | 22 | 7.5 | 0.12 | 336 | 420 | | |
| 113 | Storage Rooms | 328 | 0 | 0 | 0 | 0.12 | 39.36 | 49.2 | | |
| 118, 119 | Toilet Room | 97 | 0 | 0 | 0 | 0 | 0 | 0 | | 1 |
| 104, 117 | Corridors | 246 | 0 | 0 | 0 | 0.06 | 14.76 | 18.45 | | |
| 103 | Reception | 320 | 30 | 10 | 5 | 0.06 | 69.2 | 86.5 | | |
| 102,105-112 | Office Spaces | 1090 | 5 | 6 | 5 | 0.06 | 95.4 | 119.25 | | |
| Totals: | | 3506 | | 38 | | | 554.72 | 693.4 | | |

Comments:

1. 50 cfm per toilet fixture for continuous exhaust; 70 cfm otherwise

Page 1 — **Commercial Heat Loss and Heat Gain Calculation** — 7/28/2025

**For:** LCI 0518 Mall in Columbia (101399)
10300 Little Patuxent Pkwy.
space# 1005
Columbia, MD 21044

**Design Conditions:** Columbia; Latitude: 39; Time 1:00 PM

| Indoor: | | Outdoor: | |
|---|---|---|---|
| Summer temperature: | 76 | Summer temperature: | 96 |
| Winter temperature: | 68 | Winter temperature: | 10 |
| Relative humidity: | 50 | Summer grains of moisture: | 116 |
| | | Daily temperature range: | 17 |

| Building Component | | | Sensible Gain (BTUH) | Latent Gain (BTUH) | Total Heat Gain (BTUH) | Total Heat Loss (BTUH) |
|---|---|---|---|---|---|---|
| Floor | 3,643 | sq.ft. | 0 | 0 | 0 | 4,628 |
| E Wall | 166 | sq.ft. | 212 | 0 | 212 | 712 |
| Door | 40 | sq.ft. | 358 | 0 | 358 | 1,299 |
| Leakage Summer | 30 | cfm | 1,056 | 1,999 | 3,055 | 0 |
| Leakage Winter | 55 | cfm | 0 | 0 | 0 | 7,018 |
| People/Vent | 38 | people | 9,500 | 7,600 | 17,100 | 0 |
| Ventilation | 694 | cfm | 12,214 | 23,124 | 35,338 | 44,277 |
| Infiltration Summer | 0 | cfm | 0 | 0 | 0 | 0 |
| Infiltration Winter | 0 | cfm | 0 | 0 | 0 | 0 |
| Lights | 8,160 | watts | 27,744 | 0 | 27,744 | 0 |
| Miscellaneous | | | 11,131 | 0 | 11,131 | 0 |
| LED Wall | | | 3,266 | 0 | 3,266 | 0 |
| Lightboxes | | | 2,348 | 0 | 2,348 | 0 |
| Cabinet Lighting | | | 10,830 | 0 | 10,830 | 0 |
| **Whole Building - All Components** | | | **78,659** | **32,723** | **111,382 ( 9.5 tons )** | **57,934** |


DESIGN & CONSTRUCTION MANAGEMENT:
EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:
LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


Architect / Engineer of Record
NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: 14

EssilorLuxottica Project Number: 101399

Brand Design Type: LC09

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name: MECHANICAL SCHEDULES & CALCULATIONS

Date: 05/01/2026
Drawn By: I.WIPATASILLAPIN
Checked By: S.PATEL

Sheet No.: M010

MECHANICAL SPECIFICATIONS

I. GENERAL PROVISIONS

A. GENERAL CONDITIONS, CODES & STANDARDS

1. GENERAL CONDITIONS OF THE CONTRACT FOUND IN THE ARCHITECTURAL DRAWINGS, GENERAL AND SPECIAL CONDITIONS OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIA) (NSPE)(NEC) AND ANY OF THE TENANT'S GENERAL REQUIREMENTS SHALL APPLY UNLESS NOTED OTHERWISE.
2. REFER TO THE GENERAL CONDITIONS ON THE ARCHITECTURAL DOCUMENTS AND THE GENERAL AND SPECIAL CONDITIONS OF THE AIA FOR ADDITIONAL REQUIREMENTS REGARDING; SAFETY, COORDINATION & COOPERATION, WORKMANSHIP, PROTECTION, CUTTING AND PATCHING, DAMAGE TO OTHER WORK, PRELIMINARY OPERATIONS, STORAGE, ADJUSTMENTS, CLEANING, ETC.
3. ALL WORK SHALL BE IN CONFORMANCE WITH ALL LOCALLY ENFORCED, FEDERAL, STATE AND LOCAL CODES AND ORDINANCES INCLUDING ANY SPECIAL THE TENANT REQUIREMENTS IN ADDITION TO THOSE SPECIFIED.
4. GENERAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS AND INSPECTIONS REQUIRED TO PROCEED WITH THE WORK. THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS.

B. SCOPE OF WORK

1. THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLING, CONNECTING, AND OPERATION OF ALL EQUIPMENT WHICH IS A PART OF THE MECHANICAL SYSTEMS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY SIMILAR INSTALLATIONS, ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK AND WHICH IS USUALLY INCLUDED IN WORK OF A SIMILAR CHARACTER SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE TENANT. GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO PROVIDE THE TENANT A COMPLETE, CODE APPROVED AND OPERATIONAL MECHANICAL SYSTEMS.
2. CAREFULLY READ SPECIFICATION FOR ALL PARTS OF THE WORK SO AS TO BECOME FAMILIAR WITH ALL TRADES' WORK SCOPE. CONSULT WITH OTHER TRADES TO INSURE PROPER LOCATIONS AND AVOID INTERFERENCES. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE TENANT BEFORE WORK IS COMMENCED.
3. ALL CONTRACTORS SHALL BE HELD TO HAVE EXAMINED THE PREMISES AND SITE SO AS TO COMPARE THEM WITH THE DRAWINGS AND SPECIFICATIONS, NOTE THE EXISTING CONDITIONS AND OTHER WORK THAT WILL BE REQUIRED, AND THE NATURE OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCE SHALL BE MADE TO ALL CONTRACTORS BY REASON OF THIS FAILURE TO HAVE MADE SUCH EXAMINATION OR OF ANY ERROR ON HIS PART.
4. ALL EXISTING UTILITY AND MECHANICAL SERVICES SHALL BE FIELD VERIFIED. CORRECTIONS TO THE DESIGN AND INSTALLATION SHALL BE MADE WITHOUT ADDITIONAL COST TO THE TENANT.
5. THIS GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE THE OPENINGS WITH THE GENERAL TRADES CONTRACTOR. THE FINAL LOCATIONS AND SIZES OF ALL DUCT AND LOUVER OPENINGS SHALL BE PROVIDED BY THIS CONTRACTOR.
6. THIS CONTRACT SHALL ALSO INCLUDE ALL LABOR, MATERIALS AND MISCELLANEOUS EXPENSES REQUIRED FOR ALL REQUIRED MECHANICAL DEMOLITION OF THE EXISTING AREAS BEING RENOVATED.
   a. THE DEMOLITION SHALL CONSIST OF THE COMPLETE REMOVAL (PROPERLY DISPOSED OFF SITE UNLESS OTHERWISE NOTED) OF ALL HVAC EQUIPMENT, PIPING, DUCTWORK, MATERIALS, ETC. NOT REQUIRED IN THE FINAL DESIGN AND INSTALLATION OF THE HVAC SYSTEMS FOR THE NEW RENOVATED AREAS.
   b. ALL UNDERGROUND SERVICES NOT BEING REUSED SHALL BE CAPPED BELOW THE FLOOR.
   c. ALL ABOVE GROUND SERVICES SHALL BE REMOVED BACK TO THEIR RESPECTIVE MAIN AND CAPPED OR IF THE MAIN IS NOT REQUIRED, THE MAIN SHALL BE REMOVED IN IT'S ENTIRETY.
   d. COORDINATE ALL DEMOLITION WITH THE ARCHITECTURAL DOCUMENTS AND THE ARCHITECT AND THE TENANT'S GENERAL REQUIREMENTS.
7. ALL WORK INCLUDING, BUT NOT LIMITED TO PARTS, MATERIAL, EQUIPMENT AND LABOR SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE ENGINEER AND TENANT, WHERE AN EQUIPMENT MANUFACTURER HAS A WARRANTY THAT EXCEEDS ONE YEAR, THAT WARRANTY PERIOD SHALL APPLY TO THIS PROJECT.

C. DOCUMENTS

1. THE DRAWINGS ARE DIAGRAMMATIC, ALL WORK SHALL BE PERFORMED AS INDICATED ON THE DRAWINGS UNLESS EXISTING CONDITIONS OR COORDINATION ISSUES REQUIRE CHANGES. THESE CHANGES SHALL BE MADE WITH NO ADDITIONAL COST TO THE TENANT.
2. ANY INCIDENTAL ITEMS OR LABOR, ETC. NOT INCLUDED IN THE SPECIFICATIONS OR THE DRAWINGS BUT REASONABLY IMPLIED AS NECESSARY FOR THE COMPLETE INSTALLATION OF ALL APPARATUS SHALL BE INCLUDING IN BID.
3. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED EVEN THOUGH NOT MENTIONED IN BOTH.
4. IF ERRORS ARE FOUND IN THE DRAWINGS OR SPECIFICATIONS OR DISCREPANCIES OCCUR BETWEEN THE SAME, OR BETWEEN THE FIGURES ON THE DRAWINGS, AND THE SCALE OF SAME OR BETWEEN THE LARGER AND SMALLER DRAWINGS, OR IN THE DESCRIPTIVE MATTER ON THE DRAWINGS SHALL BE REFERRED TO THE TENANT FOR REVIEW AND FINAL DECISION PRIOR TO THE BID DUE DATE.
5. THE BIDDING OF THIS WORK WILL CONTEMPLATE THE USE OF EQUIPMENT AND MATERIALS EXACTLY AS SPECIFIED HEREIN. WHERE MORE THAN ONE MANUFACTURER IS MENTIONED ANY ONE MAY BE UTILIZED. SUBSTITUTE MANUFACTURERS MAY BE OFFERED ONLY AS AN ALTERNATE TO THE SPECIFIED EQUIPMENT AND MATERIAL.
   a. SUBSTITUTIONS
      (1) THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THE CONTRACT DOCUMENTS ARE FOR THE PURPOSE OF DESCRIPTION AND TO ESTABLISH A BASE LEVEL OF QUALITY. THE GENERAL CONTRACTOR'S BID WILL CONTEMPLATE THE USE OF THE EQUIPMENT AND MATERIALS EXACTLY AS INDICATED.
      (2) THE GENERAL CONTRACTOR SHALL SUBMIT FOR APPROVAL, WITH HIS BID QUOTATION, A LIST OF ANY PROPOSED SUBSTITUTIONS OF MATERIALS AND EQUIPMENT FOR THOSE ON WHICH THE ORIGINAL DESIGN WAS BASED. A FULL DESCRIPTION OF ALL PROPOSED SUBSTITUTED ITEMS, THE CHANGE TO THEIR BID PRICE OR OTHER REASONS FOR SUCH SUBSTITUTIONS SHALL ACCOMPANY THE BID. ALL ACCESSORIES, FEATURES, ETC., SUPPLIED WITH THE SUBSTITUTED MANUFACTURER'S PRODUCT SHALL ALSO BE INCLUDED IN THE BID.
      (3) IF THE GENERAL CONTRACTOR DOES NOT SUBMIT PROPOSED SUBSTITUTIONS WITH THEIR BID THE TENANT SHALL CONSIDER THE BIDDER TO BE PROPOSING THE MANUFACTURERS AND MODEL NUMBERS SPECIFIED HEREIN AND SHOWN ON THE CONTRACT DRAWINGS.
      (4) SUBSTITUTIONS AFTER CONTRACT AWARD SHALL NOT BE PERMITTED.
6. MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS. REFER TO EACH SECTION FOR ANY SPECIFIC REQUIREMENTS.

D. COORDINATION

1. GENERAL CONTRACTOR SHALL INCLUDE A VISIT TO THE JOB SITE AND TAKE INTO CONSIDERATION MECHANICAL, ELECTRICAL AND GENERAL TRADE WORK CURRENTLY EXISTING AND WORK WHICH MAY BE INSTALLED PRIOR TO CONTRACT AWARD. RELOCATION OF DUCTWORK, PIPING AND EQUIPMENT, AS REQUIRED, TO AVOID THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE TENANT.
2. GENERAL CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDING SITE BEFORE STARTING ANY FABRICATION OR DOING ANY WORK IN THE FIELD AND SHALL BE RESPONSIBLE FOR THE CORRECT AND PROPER MEASUREMENTS OF HIS WORK ALONG WITH RESOLUTIONS FOR ANY CONFLICT OF SPACE WITH OTHER TRADES.
3. WHERE THE WORK OF TWO OR MORE TRADES INTERFERE WITH EACH OTHER AND A DEVIATION FROM DESIGN IS NECESSARY, NEITHER WORK SHALL PROCEED UNTIL THE TENANT HAS BEEN NOTIFIED OF THE CONFLICT AND THEY HAVE RENDERED A DECISION AS TO WHAT CHANGES SHOULD BE MADE.
4. GENERAL CONTRACTOR SHALL LOCATE, IDENTIFY AND PROTECT ANY EXISTING SERVICES WHICH ARE REQUIRED TO BE MAINTAINED OPERATIONAL AND SHALL EXERCISE EXTRA CAUTION IN THE PERFORMANCE OF ALL WORK TO AVOID DISTURBING SUCH FACILITIES. ALL COSTS FOR REPAIR OF DAMAGES TO SUCH SERVICES SHALL BE PAID BY THE GENERAL CONTRACTOR CAUSING THE DAMAGE.
5. IT IS ESSENTIAL THAT ALL WORK AT THE PROJECT BE DONE AS SUCH TIME AND IN SUCH MANNER AS NOT TO INTERFERE WITH THE NORMAL OPERATIONS OF THE FACILITY. A WORK SCHEDULE SHALL BE ARRANGED WITH THE TENANT TO FACILITATE WORK WITH A MINIMUM OF INTERFERENCE WITH THE TENANT'S OPERATIONS.
6. AREAS TO BE USED FOR STORAGE SHALL BE ONLY AS DIRECTED BY THE TENANT. ALL STORED MATERIAL SHALL BE RELOCATED OR REMOVED FROM THE SITE AS DIRECTED BY THE TENANT.
7. DAILY, AND AT THE COMPLETION OF THE WORK, EACH GENERAL CONTRACTOR SHALL REMOVE ALL EXCESS MATERIALS AND DEBRIS CAUSED BY HIS WORK. UPON COMPLETION OF EACH GENERAL CONTRACTOR'S WORK, CONDITIONS OF THE SPACE(S) SHALL BE THE SAME AS FOUND PRIOR TO COMMENCEMENT OF THE WORK. FAILURE TO DO SO MAY RESULT IN THE TENANT'S EMPLOYMENT OF A SEPARATE SERVICE TO OBTAIN THIS CONDITION AND REDUCING THE FACTOR'S CONTRACT AMOUNT BY THE COST OF SUCH A SERVICE.
8. EACH GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO OTHER WORK CAUSED BY HIS WORK OR THROUGH THE NEGLECT OF HIS, OR HIS SUB-TRADE'S PERSONNEL. ALL PATCHING, REPAIRING, REPLACEMENT AND PAINTING, ETC. SHALL BE DONE AS DIRECTED BY THE TENANT BY THE CRAFTSMEN OF THE TRADES INVOLVED. THE COSTS OF SUCH WORK SHALL BE PAID BY THE CONTRACTOR CAUSING THE DAMAGE.

E. METHODS

1. EXCAVATIONS SHALL BE MADE IN OPEN TRENCHES. FLOORS SHALL BE SAW CUT. PIPING SHALL BE LAID ON AN APPROPRIATELY GRADED 6" BED OF CLEAN AND DRY SAND. ENGINEERED FILL SHALL BE USED TO BACKFILL TO 6" ABOVE THE PIPING. BACKFILL THE REMAINDER OF THE TRENCH UTILIZING THE EXCAVATED MATERIAL IF APPROVED BY THE ARCHITECT OR THE TENANT. IF THE EXCAVATED MATERIALS ARE NOT ACCEPTABLE, ENGINEERED FILL ACCEPTABLE TO THE ARCHITECT SHALL BE UTILIZED TO BACKFILL THE REMAINDER OF THE TRENCH. BACKFILL SHALL BE ACCOMPLISHED IN 9" LIFTS WITH ALL LIFTS COMPACTED TO 95% PROCTOR. PATCH FLOOR TO MATCH EXISTING.
2. EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL NOT BE SUPPORTED FROM ANY CEILINGS, OTHER PIPING, CONDUIT OR DUCTWORK, ROOF DECK, OR JOIST BRIDGING. ITEMS SHALL BE SUPPORTED FROM ACCEPTABLE STRUCTURAL BUILDING COMPONENTS AS DETERMINED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
3. ALL ROOF PENETRATIONS, FLASHING AND COUNTER FLASHING SHALL BE PERFORMED BY THE LANDLORD'S ROOFING CONTRACTOR AT THE REQUESTING GENERAL CONTRACTORS COST.

II. INSULATION

A. GENERAL

1. INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES.
2. CLEAN AND DRY SURFACES PRIOR TO INSULATING.
3. EXTEND INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, HANGERS AND SIMILAR PENETRATIONS.
4. INSULATION JACKET AND FITTING COVER MUST BE PLENUM RATED.
5. IT IS ESSENTIAL THAT THE INTEGRITY OF THE VAPOR-BARRIER BE MAINTAINED. SEAL ALL PENETRATIONS OF THE VAPOR BARRIER BY STAPLES, HANGERS OR WHERE OTHERWISE DAMAGED.
6. MAINTAIN ACCESS TO BALANCING DAMPERS AND VALVES.
7. INSULATION SHALL BE BY OWENS-CORNING, KNAUF, OR MANVILLE.
8. ALL DUCTWORK AND PIPING SHALL BE INSULATED PER REQUIREMENTS OF ASHRAE 90.1, CHICAGO ENERGY CONSERVATION CODE, NFPA, AND LOCAL CODES. THE FIRST 10 FEET OF RETURN DUCTS SHALL BE INTERNALLY LINED FOR ACOUSTICAL ATTENUATION. OUTSIDE AIR DUCTWORK AND DUCTWORK IN UNCONDITIONED SPACES SHALL ALWAYS BE INSULATED WITH EXTERNAL INSULATION. PIPING SYSTEMS ALWAYS REQUIRING INSULATION INCLUDES, BUT IS NOT LIMITED TO, CONDENSATE, REFRIGERANT, CHILLED WATER, HEATING HOT WATER, CONDENSER WATER, AND STEAM. INTERNALLY INSULATED DUCTS SHALL HAVE 1 INCH THICK, 1-1/2 LB DENSITY ACOUSTICAL INSULATION (AIR SIDE BLACK COATED TO MEET NFPA). INSULATION SHALL BE INSTALLED PER THE REQUIREMENTS OF THE SMACNA GUIDE AND THE MANUFACTURER'S RECOMMENDATIONS. DUCT SIZES NOTED ON DRAWING ARE INSIDE CLEAR DIMENSIONS. INSULATION WRAP SHALL BE FIBERGLASS, FOIL BACKED WRAPPING. WHERE DUCTS OR PIPING IS EXPOSED, AND REQUIRES INSULATION, PROVIDE FIBERBOARD RIGID INSULATION AND PAINT. PAINT COLOR SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS, LANDLORD, AND TENANT. WHERE DUCTS OR PIPES ARE OUTSIDE THE BUILDING, AN ALUMINUM JACKET SHALL BE PROVIDED AND INSTALLED OVER THE INSULATION, AND SEALED WEATHERTIGHT.

B. HVAC

1. INTERNALLY INSULATE WITH 1 INCH THICK, 1-1/2# DENSITY ACOUSTICAL INSULATION (AIR SIDE BLACK COATED TO MEET NFPA) ALL DUCTWORK NOTED AS REQUIRING SUCH. INTERNAL INSULATION SHALL BE INSTALLED PER THE REQUIREMENTS OF THE SMACNA GUIDE AND THE MANUFACTURER'S RECOMMENDATIONS. DUCT SIZES NOTED ON DRAWING ARE SHEET METAL DIMENSIONS.
2. ALL SUPPLY AND OUTSIDE AIR DUCTWORK SHALL BE WRAPPED WITH 2 INCH OF 0.75 LB/CU.FT. FIBERGLASS, FOIL BACKED DUCT WRAPPING.

C. PIPING

1. ALL ABOVE GROUND PIPING SHALL BE INSULATED WITH FIBERGLASS PIPING INSULATION WITH AN ALL SERVICE JACKET AND SELF SEALING LAP (ASJ/SSL).
2. FITTINGS AND VALVES SHALL BE INSULATED WITH PRE-MOLDED FIBERGLASS FITTINGS AND COVERED WITH A PRE-FORMED PVC FITTING COVER.

III. PIPING

GENERAL

1. THE ENTIRE PIPING INSTALLATION, MATERIALS, EQUIPMENT, ETC. SHALL CONFORM TO THE REQUIREMENTS OF THE LOCALLY ENFORCED BUILDING CODE, THE MECHANICAL CODE.
2. TEST ALL PIPING IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES.
3. FURNISH ACCESS DOORS FOR VALVES.
4. THIS GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SERVICES FOR ALL EQUIPMENT WHETHER PROVIDED BY THIS GENERAL CONTRACTOR OR OTHERS. GENERAL CONTRACTOR SHALL COORDINATE HIS INSTALLATION WITH THE APPROPRIATE EQUIPMENT SUPPLIER AND SHALL REVISE THE DESIGN AS REQUIRED TO MATCH THE EQUIPMENT BEING SUPPLIED. THIS GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO CONNECT ALL EQUIPMENT TO THE PIPING SYSTEMS INCLUDING BUT NOT LIMITED TO; CONDENSATE, REFRIGERANT, CHILLED WATER, HEATING HOT WATER, CONDENSER WATER, STEAM, ETC.
5. FIRE STOPPING - REFER TO ARCHITECTURAL DRAWINGS FOR WALL TYPE AND UL CONSTRUCTION DESIGN NUMBER. FOR RATED MASONRY WALL AND FLOOR ASSEMBLIES, PROVIDE A UL APPROVED THROUGH-PENETRATION FIRE STOP SYSTEM, NUMBER C-AJ-1175. FOR RATED GYPSUM BOARD ASSEMBLIES, PROVIDE A UL APPROVED THROUGH-PENETRATION FIRE STOP SYSTEM NUMBER W-L-1003.

IV. CONDENSATE DRAINS, CONDENSER WATER UP TO 2" ABOVE GRADE AND UNDER 125 PSIG

1. ASTM B88, TYPE L, HARD DRAWN COPPER PIPE: AND ASME B16.18, CAST BRASS, OR ASME B16.22, SOLDER WROUGHT COPPER FITTINGS.

V. HVAC EQUIPMENT

A. INSTALLATION OF ALL EQUIPMENT SHALL COMPLY WITH THE MANUFACTURER'S INSTALLATION INFORMATION AND INSTRUCTIONS, REQUIREMENTS AND ANY ADDITIONAL GUIDELINES. GENERAL CONTRACTOR SHALL PROVIDE ALL ADDITIONAL REQUIRED ACCESSORIES REQUIRED TO COMPLETE THE INSTALLATIONS.

B. HVAC EQUIPMENT SHALL BE "STARTED UP" BY A FACTORY TRAINED AND AUTHORIZED SERVICE TECHNICIAN. ALL FACTORY STARTUP FORMS SHALL BE COMPLETED AND TURNED OVER TO THE TENANT WITH ALL COMPLETED WARRANTY CARDS PRIOR TO FINAL APPROVAL.

C. REUSE OF EXISTING EQUIPMENT: GENERAL CONTRACTOR SHALL INSPECT, CLEAN, AND REPAIR ANY HVAC EQUIPMENT THAT IS TO BE REUSED.

VI. AIR DISTRIBUTION

A. AIR DISTRIBUTION

1. DUCTWORK (ROUND OR RECTANGULAR OR SPIRAL) SHALL BE OF GALVANIZED STEEL CONSTRUCTION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA MANUAL AND THE FOLLOWING PRESSURE / SEAL SCHEDULE:
   a. DUCTWORK BETWEEN AHU (ROOFTOP UNIT) AND VAV BOXES - 3" W.G. POSITIVE PRESSURE, EAL CLASS A.
   b. OTHER SUPPLY AIR DUCTWORK - 2" W.G. POSITIVE PRESSURE, SEAL CLASS B.
   c. RETURN & EXHAUST DUCTWORK - 2" W.G. NEGATIVE PRESSURE, SEAL CLASS B.
2. ROUND DUCT ELBOWS SHALL BE LONG SWEEP, 1-1/2 TIMES THE CENTERLINE RADIUS UNLESS CLEARANCE IS NOT AVAILABLE AT WHICH TIME MITERED ELBOWS WITH TURNING VANES SHALL BE UTILIZED.
3. RECTANGULAR ELBOWS SHALL BE FURNISHED WITH DOUBLE THICKNESS TURNING VANES. TURNING VANES SHALL BE FASTENED WITH A DOUBLE ROW OF SCREWS.
4. FLEXIBLE CONNECTIONS AT THE INLET AND OUTLET OF THE RTU. INSTALL FLEXIBLE CONNECTIONS WITH 3" WIDE DOUBLE NEOPRENE COATED FLAME RETARDANT, NFPA 90A APPROVED; FIBERGLASS FLEXIBLE CONNECTION. FLEXIBLE CONNECTION TO HAVE A MINIMUM OF 24 GAGE, 3" WIDE SHEET METAL COLLARS PERMANENTLY ATTACHED TO EACH SIDE.
5. MITERED OFFSETS GREATER THAN 30 DEGREES IN EITHER DIRECTION SHALL NOT BE PERMITTED.
6. CHANGES IN DUCT SIZES SHALL BE MADE BY UNIFORM TAPER SECTION WITH A MAXIMUM INCLUDE ANGLE OF DIVERGENCE OF 15DEGREES.
7. RECTANGULAR BALANCING DAMPERS - RUSKIN MD25 SHALL BE SINGLE BLADE UP TO 6" IN HEIGHT AND 36" IN WIDTH, AND RUSKIN MD35 MULTI-BLADE FOR LARGER SIZES. ALL ROUND BALANCING DAMPERS SHALL BE COMMERCIAL GRADE SINGLE BLADE UP TO 16" IN DIAMETER SHALL INCORPORATE LOCKING TYPE INDICATING ADJUSTMENT. BALANCING DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCTS OFF MAIN AND ON ALL TAPS OFF DUCTS TO DIFFUSERS UNLESS OTHERWISE NOTED ON DRAWINGS.
8. MOTORIZED BALANCING DAMPERS - GREENHECK RBDR, MOTORIZED DAMPERS SHALL BE USED ABOVE HARD CEILINGS WHERE A REGULAR DAMPER WOULD BE INACCESSIBLE. REFER TO PLANS AND GRD SCHEDULE TO SEE WHERE MOTORIZED BALANCING DAMPERS ARE TO BE INSTALLED.
9. FINAL CONNECTIONS TO DIFFUSERS MAY BE MADE WITH FLEXIBLE DUCTWORK BUT IT'S USE IS LIMITED TO STRAIGHT HORIZONTAL OR VERTICAL RUNS. ALL CHANGES OF DIRECTION IN AN DUCT SYSTEM (GALVANIZED OR FLEXIBLE) SHALL BE MADE WITH AN APPROPRIATE GALVANIZED ELBOW. MAXIMUM LENGTH OF ANY FLEXIBLE DUCT IS 5'-0".
10. FLEXIBLE DUCTS TO DIFFUSERS SHALL BE ATCO RUBBER PRODUCTS, INC. MODEL UPC #070, INSULATED (R=4.2), U.L. 181 RATED AND CLASS 1 AIR CONNECTOR. MAXIMUM LENGTH OF FLEXIBLE DUCT TO DIFFUSER TO BE 5'-0".
11. FIRE DAMPERS SHALL BE RUSKIN AND SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND SMACNA REQUIREMENTS FOR A U.L. APPROVED INSTALLATION. FIRE DAMPERS SHALL BE TYPE "B" (BLADES AND FRAME COMPLETELY OUT OF THE AIRSTREAM) FOR ALL WALL ASSEMBLIES AND SHALL BE INSTALLED WITH THE APPROPRIATE WALL SLEEVE AND ANGLES PER UL 555. FIRE DAMPERS SHALL BE INSTALLED IN ALL FIRE RATED WALLS. VERIFY FIRE RATED WALL LOCATIONS AND RATINGS ON THE ARCHITECTURAL DOCUMENTS. FOR ALL FLOOR PENETRATIONS PROVIDE RUSKIN TYPE "LR" FIRE DAMPERS. SEE DETAILS ON DRAWINGS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
12. DOUBLE THICKNESS INSULATED ACCESS DOORS SHALL BE PROVIDED AT ALL FIRE DAMPERS FOR ACCESS TO FUSIBLE LINK. DOOR SHALL BE SIZED TO ALLOW FOR EASY SERVICE AND ACCESSIBILITY. ACCESS DOORS SHALL BE A MINIMUM OF 24" IN THE LONGEST DIMENSION.
13. PROVIDE 3"x3"x1/4" ANGLE FRAMING AROUND THE ROOF OPENINGS FOR THE SUPPLY AND RETURN AIR DUCTWORK.
14. SUPPORT ALL SHEET METAL AND EQUIPMENT FROM ANGLE IRON CONNECTED TO STRUCTURAL STEEL. DO NOT SUSPEND DUCT OR EQUIPMENT FROM METAL DECK OR JOIST BRIDGING.
15. DUCTWORK DIMENSIONS ON PLANS ARE CLEAR, INTERIOR DIMENSIONS.

VII. CONTROLS

A. CONTROL WIRING SHALL BE PLENUM RATED CABLE WITH COLOR CODED 18 AWG WIRES (MINIMUM).

B. CONTROLS CONTRACTOR SHALL PROVIDE ALL WIRING BETWEEN THERMOSTAT AND EQUIPMENT (AIR HANDLER, ROOFTOP UNIT, CONDENSING UNIT, ETC.).

C. CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL A 120 (24) VOLT SUPPLY AIR DUCT MOUNTED IONIZATION SMOKE DETECTOR. DETECTOR SHALL BE WIRED, BY THE ELECTRICAL (CONTROLS) CONTRACTOR, TO SHUT DOWN UNIT UPON ACTIVATION.

D. THERMOSTATS

1. FURNISH AND INSTALL A HONEYWELL 7 DAY PROGRAMMABLE HEATING/COOLING THERMOSTAT AND CLEAR LOCKABLE COVER WITH APPROPRIATE CONTROL WIRING BETWEEN THERMOSTAT, (FURNACE AND CONDENSING UNIT) (ROOFTOP) AS REQUIRED TO PROVIDE A COMPLETE OPERATING SYSTEM. WIRING SHALL BE MINIMUM 18 AWG.
2. THERMOSTATS SHALL BE MOUNTED WHERE INDICATED ON THE DOCUMENTS.
3. MECHANICAL CONTRACTOR SHALL PROGRAM THERMOSTAT PER THE TENANT'S REQUIREMENTS AND TRAIN TENANT'S PERSONNEL IN THE OPERATION AND PROGRAMMING OF THE THERMOSTAT AND SYSTEM.
4. SEE THERMOSTAT PROCUREMENT DETAIL FOR SPECIFICS ON THE THERMOSTAT TO BE USED AND REQUIREMENTS FOR INSTALLATION.

VIII. TESTING AND BALANCING

A. TESTING AND BALANCING SHALL NOT BEGIN UNTIL THE SYSTEM HAS BEEN COMPLETED, IS IN FULL WORKING ORDER AND ALL EQUIPMENT START-UP HAS BEEN COMPLETED. ALL HVAC SYSTEMS AND EQUIPMENT SHALL BE PUT INTO FULL OPERATION AND THE OPERATION OF SAME CONTINUED DURING EACH WORKING DAY OF THE TESTING AND BALANCING.

B. AN INDEPENDENT "AABC" OR "NEBB" CERTIFIED AIR AND WATER BALANCE CONTRACTOR SHALL TEST AND BALANCE THE SYSTEM AND REPORT RESULTS TO THE ENGINEER TENANT AND THE LANDLORD.

1. ALL WORK SHALL BE DONE UNDER DIRECT SUPERVISION OF THE CERTIFIED BALANCING ENGINEER AND BY QUALIFIED BALANCING TECHNICIANS.
2. METHODS AND FORMS SHALL BE IN ACCORDANCE WITH THE CERTIFICATION AGENCIES RECOMMENDATIONS AND REQUIREMENTS.
3. COMPLY WITH ASHRAE RECOMMENDATIONS PERTAINING TO MEASUREMENTS, INSTRUMENTS, TESTING, ADJUSTING AND BALANCING.
4. ALL QUANTITIES SHALL BE WITHIN 10% OF THE DESIGN VALUES.
5. MECHANICAL CONTRACTOR SHALL PROVIDE ANY SHEAVE CHANGES REQUIRED ON THE HVAC UNIT.

C. PERFORMANCE TEST

1. AFTER ALL HVAC EQUIPMENT IS INSTALLED, TESTED AND BALANCED AS SPECIFIED HEREIN THEY SHALL BE OPERATED AND PLACED UNDER SURVEILLANCE FOR A PERIOD OF AT LEAST ONE (1) DAY, THIS MAY INCLUDE THE DAY OF STARTUP, TO VERIFY THAT ALL EQUIPMENT IS PRODUCING THE REQUIRED CAPACITY. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR THE OPERATION OF THE EQUIPMENT DURING THE ENTIRE PERIOD.
2. TEST SHALL BE PERFORMED WITH ALL CONTROLS IN THE AUTOMATIC POSITION AND BUILDING LIGHTS, DAMPERS, ETC. POSITIONED TO SIMULATE NORMAL OPERATION OF THE HVAC SYSTEM.
3. DURING THE TEST, CONTROL SETTINGS MAY REQUIRE ADDITIONAL ADJUSTMENTS TO PRODUCE THE BEST BALANCED SYSTEM OPERATION. THEIR FINAL SETTING OF EACH OPERATING AND SAFETY CONTROL SHALL BE RECORDED, THEY SHALL INCLUDE, BUT NOT LIMITED TO, THERMOSTATS, LIMIT CONTROLS, AND OTHER SIMILAR ITEMS.
4. SHOULD COMPLETION OF THE INSTALLATION OCCUR AT SUCH TIME THAT THE REQUIRED PERFORMANCE TEST MUST BE CONDUCTED DURING A SEASON WHEN THE FULL OPERATION OF EITHER THE HEATING OR COOLING SYSTEM CAN NOT BE CHECKED, THE TAB CONTRACTOR SHALL PERFORM THE TEST AND RECORD ALL SUCH DATA AS IS AVAILABLE WITH SYSTEM OPERATING AUTOMATICALLY UNDER THE PREVAILING WEATHER CONDITIONS. THAT PART OF THE SYSTEM WHICH CAN NOT BE TESTED SHALL BE DELAYED UNTIL THE WEATHER IS APPROPRIATE, AT WHICH TIME THE REMAINING PART OF THE REQUIRED TESTS SHALL BE CONDUCTED AND DATA RECORDED ACCORDINGLY.
5. GC TO PROVIDE THE PROJECT MANAGER WITH A REPORT SHOWING ACCEPTABLE COMPLETION OF ALL MEL/NK PUNCHLIST ITEMS PRIOR TO FINAL PAYMENT.

D. ACCEPTANCE AND CHECK-OUT - GENERAL CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL, AT NO ADDITIONAL COST TO THE TENANT, AS MAY BE REQUIRED BY THE ENGINEER FOR THE PURPOSE OF VERIFYING PROPER OPERATION AND INSTALLATION OF THEIR WORK AT THE TIME OF REQUEST FOR ACCEPTANCE.

REPORTS TO INCLUDE THE FOLLOWING INFORMATION:

AIR TEMPERATURE OF RETURN AT UNIT, SUPPLY AT UNIT, SPACE TEMPERATURE OF OCCUPIED AREA, AIR TEMPERATURE AT SUPPLY DIFFUSERS (ALL OF THEM), AIR TEMPERATURE IN THE PLENUM, AND OUTSIDE AIR TEMPERATURE AT TIME OF BALANCING.

EQUIPMENT INFORMATION INCLUDING MANUFACTURER, MODEL, EXTERNAL STATIC PRESSURE ON THE MOTOR, RATED AMPS, USED AMPS, WHETHER THE SYSTEM AIR FLOW CAN BE ADJUSTED.

SPLIT SYSTEM UNITS

I. SPLIT SYSTEM UNITS

A. CONSTRUCTION: STEEL CABINET, FILTERS, ELECTRIC HEAT, AND CONTROLS.

B. BLOWER: EVAPORATOR BLOWER TO BE DIRECT DRIVE CENTRIFUGAL, DYNAMICALLY BALANCED, MULTI-BLADE, FORWARD CURVED, CLASS 1.

C. DX SYSTEM: FULLY HERMETIC COMPRESSORS WITH CRANKCASE HEATERS, INTERNAL THERMAL OVERLOAD, SINGLE REFRIGERATION CIRCUIT AND HEAD PRESSURE CONTROLS. COMPRESSOR TO HAVE FIVE (5) YEAR WARRANTY.

D. HEATER AND OVER TEMPERATURE PROTECTION-PRIMARY SHALL BE BUILT IN AUTOMATIC RESET THERMAL CUTOUTS. SECONDARY SHALL BE AN INDEPENDENT MANUAL RESET THERMAL CUTOUTS. PROVIDE AIR FLOW SWITCH TO DEENERGIZE HEATER ON LOSS OF AIR FLOW. UL LISTED AND UL APPROVED.

E. CONTROLS:

1. CONTROLS - FACTORY INSTALLED AND WIRED. FAN ON-OFF CONTROL, MANUAL RESET HIGH LIMIT RESET.
2. INDOOR FAN RELAY - FACTORY INSTALLED.
3. PROVIDE AUXILIARY CONTACTS FOR REQUIRED INTERLOCKS.

F. LIFTING AND PLACING OF UNITS SHALL BE BY GENERAL CONTRACTOR.

G. WIRE HEATERS TO ENERGIZE ONLY WHEN HVAC UNIT FAN STARTER IS ENERGIZED.

H. COORDINATE LOCATION OF CONDENSING UNITS WITH THE GENERAL CONTRACTOR. UNITS TO BE INSTALLED ON EQUIPMENT RAILS PROVIDED BY THIS CONTRACTOR.

I. INSTALL TRAPPED DRAIN LINE FROM DRAIN PANS TO NEAREST FLOOR DRAIN OR MOP SINK.

J. MOUNT AND

## A DEMOLITION NOTES

A. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL BE FAMILIAR WITH THE LIMITS OF DEMOLITION REQUIRED FOR ALL TRADES. COORDINATE DEMOLITION WITH REQUIREMENTS OF NEW CONSTRUCTION PRIOR TO INITIATING WORK.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COMPLETE REMOVAL AND DISCARDING OF ALL DEMOLITION WASTE INCLUDING ANY UNFORESEEN ITEMS WITHIN THE SCOPE OF THE PROJECT.

C. CONTRACTOR SHALL COORDINATE DEMOLITION OPERATIONS WITH LANDLORD/CONTINUING OWNER OCCUPATION OF ADJACENT SPACES. ALL DEMOLITION WORK TO BE COORDINATED WITH LANDLORD AND CONDUCTED UNDER CONTROLLED CONDITIONS.

D. REPAIR/PATCH AS REQUIRED FOR DEMOLITION OF VARIOUS CONSTRUCTION ITEMS. VERIFY AND COORDINATE ANY REQUIRED OPENING WITH RESPECTIVE TRADES. FOR ANY WORK THAT SHALL OCCUR OUTSIDE OF DEMOLITION AREA, CONTRACTOR SHALL RETURN SPACE TO ORIGINAL CONDITION.

E. PROPERLY CAP, PLUG AND CONCEAL ANY PIPING LEFT IN PLACE. CAP ABANDONED SEWER PIPING A MINIMUM OF 8" BELOW FINISH FLOOR PATCH AND REPAIR SLAB.

F. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL NOT USED WATER PIPING, WASTE AND VENT, DUCTWORK EQUIPMENT IN THE REMODEL AREA.

G. DEMOLISH EXISTING AS REQUIRED PER NEW CONSTRUCTION AS DIRECTED BY ARCHITECT AND/OR AS NOTED ON DRAWINGS. AVOID DISRUPTION OF SERVICES DURING BUSINESS HOURS (IF APPLICABLE). ALL SYSTEM SHUT-DOWNS AND DISRUPTION OF SCHEDULED AFTER NORMAL BUILDING HOURS OR AS OTHERWISE APPROVED BY LANDLORD.

H. PRIOR TO DEMOLITION FIELD VERIFY AND IDENTIFY ANY EXISTING EQUIPMENT TO REMAIN IN SERVICE THAT IS SERVED BY SYSTEMS TO BE DEMOLISHED. NOTIFY ENGINEER OF ANY SUCH CONDITIONS AND REMOVE AND/OR RELOCATE THE SERVICES AS DIRECTED.

I. MEET WITH ESSILOR LUXOTTICA PROJECT MANAGER AND LANDLORD PRIOR TO DEMOLITION TO IDENTIFY WHETHER EXISTING MATERIALS SYSTEMS, EQUIPMENT, ETC. ARE CONSIDERED SALVAGE OR DEBRIS. REMOVE DEBRIS FROM SITE AND DISPOSE OF IN AND APPROVED MANNER AS DIRECTED BY LANDLORD.

J. TERMINATE DEMOLISHED SYSTEM SERVICES IN A CONCEALED LOCATION IN AN APPROVED MANNER. COORDINATE WITH NEW AND EXISTING CONSTRUCTION.

K. FIELD VERIFY EXISTING PIPING LOCATIONS PRIOR TO WORK.

L. VERIFY EXTENT OF DEMOLITION OF SANITARY SEWER, DOMESTIC WATER PIPING PRIOR TO WORK. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH APPLICABLE CODES, STANDARDS AND THE AUTHORITY HAVING JURISDICTION.

M. WHERE REQUIRED, COORDINATE EQUIPMENT ELECTRICAL TERMINATION REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

A-LC09-M100-REV04

## B HVAC SYMBOLS

- SUPPLY AIR DIFFUSER
- RETURN AIR OR EXHAUST GRILLE (SEE TAG)
- 12"Ø — ROUND DUCTWORK
- 20x12 — RECTANGULAR DUCTWORK, SIZE IN INCHES, FIRST NUMBER IS SIDE SHOWN.
- A / B — DIFFUSER/GRILLE LABEL:
  A - TYPE/DESIGNATION
  B - AIRFLOW (CFM)
- POINT OF CONNECTION - NEW TO EXISTING
- POINT OF DISCONNECTION
- MANUAL VOLUME DAMPER
- # — SHEET KEYNOTE REFERENCE
- CEILING EXHAUST FAN
- T — THERMOSTAT
- S — TEMPERATURE SENSOR
- SD — DUCT SMOKE DETECTOR

B-LC09-M100-REV04

## C KEY NOTES - DEMOLITION

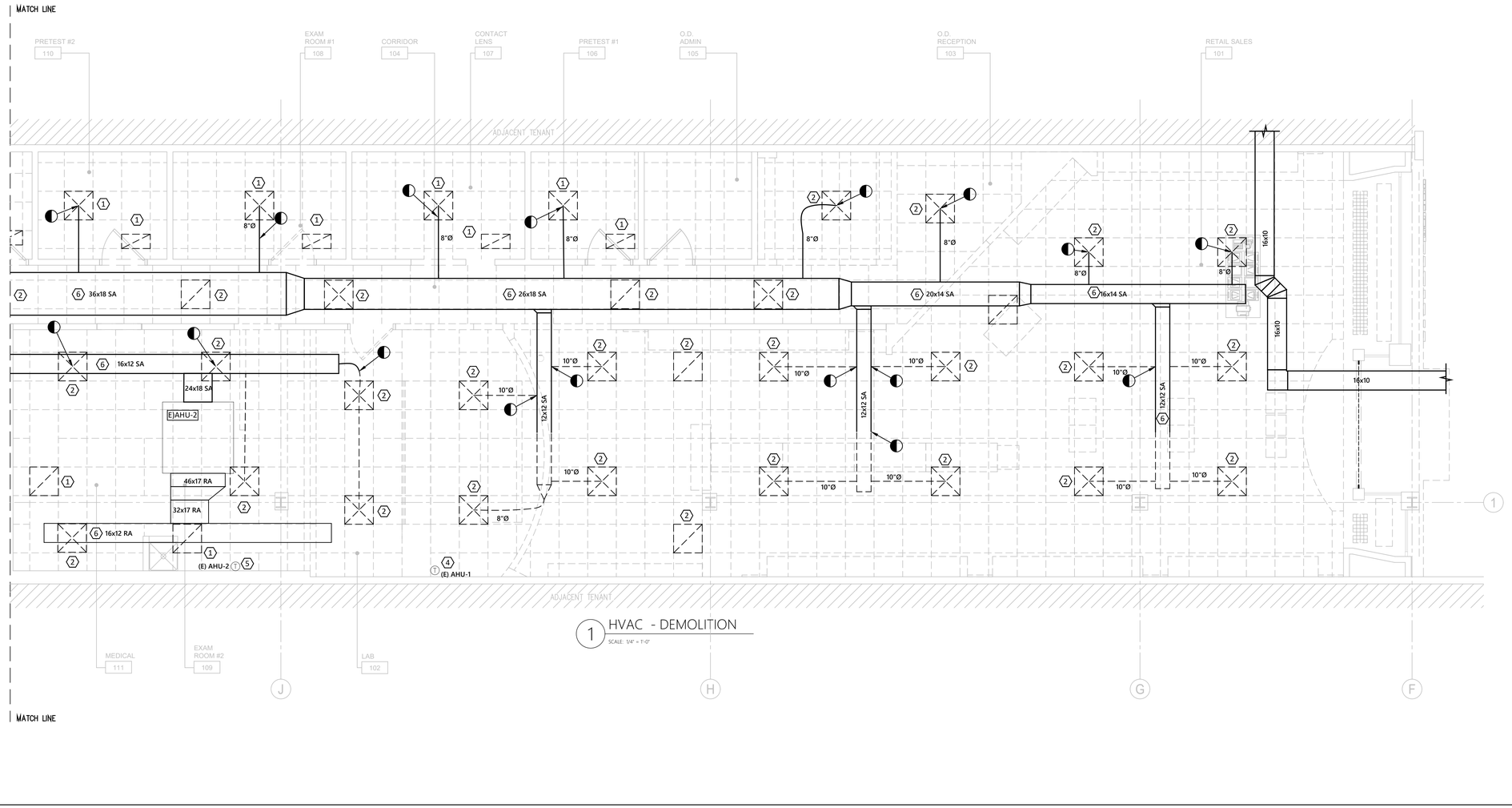
1. REMOVE AND RELOCATE EXISTING SUPPLY AIR DIFFUSERS AND RETURN GRILLS PER LAYOUT ON SHEET M200a, M200b
2. DEMO EXISTING SUPPLY AIR DIFFUSER, RETURN GRILLE DUE TO NEWLY PROPOSED SIZE OR CEILING TYPE.
3. EXISTING AIR HANDLING UNIT (E)AHU-1 TO BE REMOVED AND DISCARDED. MAINTAIN EXISTING CHILLED WATER AND HOT WATER PIPING IN VICINITY, PREPARE FOR CONNECTION TO NEW UNIT. DEMO EXISTING SUPPLY AIR AND RETURN AIR PLENUMS IN VICINITY. MAINTAIN EXISTING OUTSIDE AIR SERVICE FOR RECONNECTION TO NEW RETURN AIR PLENUM.
4. DEMO EXISTING THERMOSTAT ASSOCIATED WITH E)AHU-1.
5. MAINTAIN EXISTING THERMOSTAT ASSOCIATED WITH E)AHU-2 IN PLACE.
6. REUSE EXISTING SUPPLY AIR DUCT WHERE SHOWN.
7. MAINTAIN EXISTING CONDENSING UNIT E)CU-2
8. MAINTAIN EXISTING RESTROOM EXHAUST FANS, E)EF-1

C-LC09-M100-REV04

TEST AND RECORD THE EXISTING CFM DISCHARGING FROM EACH DIFFUSER PRIOR TO START OF WORK. REPORT CFM TO ESSILOR LUXOTTICA PROJECT MANAGER.

MATCH LINE

REFER TO SHEET M200b FOR CONTINUATION




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

MATCH LINE

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| 1 | 4/10/2026 100% PRELIMINARY CDs | |
| 2 | 5/1/2026 100% CDs | |
| 3 | 5/1/2026 PERMIT SET | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number 101399

Brand Design Type: **LC09**

ISSUED FOR:
- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
- ☐ PERMIT
- ☐ BULLETIN

Sheet Name: HVAC DEMOLITION PLAN

Date 05/01/2026
Drawn By I.WIPATASILLAPIN
Checked By S.PATEL

Sheet No.: M100a

## A DEMOLITION NOTES

A. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL BE FAMILIAR WITH THE LIMITS OF DEMOLITION REQUIRED FOR ALL TRADES. COORDINATE DEMOLITION WITH REQUIREMENTS OF NEW CONSTRUCTION PRIOR TO INITIATING WORK.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COMPLETE REMOVAL AND DISCARDING OF ALL DEMOLITION WASTE INCLUDING ANY UNFORESEEN ITEMS WITHIN THE SCOPE OF THE PROJECT.

C. CONTRACTOR SHALL COORDINATE DEMOLITION OPERATIONS WITH LANDLORD/CONTINUING OWNER OCCUPATION OF ADJACENT SPACES. ALL DEMOLITION WORK TO BE COORDINATED WITH LANDLORD AND CONDUCTED UNDER CONTROLLED CONDITIONS.

D. REPAIR/PATCH AS REQUIRED FOR DEMOLITION OF VARIOUS CONSTRUCTION ITEMS. VERIFY AND COORDINATE ANY REQUIRED OPENING WITH RESPECTIVE TRADES. FOR ANY WORK THAT SHALL OCCUR OUTSIDE OF DEMOLITION AREA, CONTRACTOR SHALL RETURN SPACE TO ORIGINAL CONDITION.

E. PROPERLY CAP, PLUG AND CONCEAL ANY PIPING LEFT IN PLACE. CAP ABANDONED SEWER PIPING A MINIMUM OF 8" BELOW FINISH FLOOR PATCH AND REPAIR SLAB.

F. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL NOT USED WATER PIPING, WASTE AND VENT, DUCTWORK EQUIPMENT IN THE REMODEL AREA.

G. DEMOLISH EXISTING AS REQUIRED PER NEW CONSTRUCTION AS DIRECTED BY ARCHITECT AND/OR AS NOTED ON DRAWINGS. AVOID DISRUPTION OF SERVICES DURING BUSINESS HOURS (IF APPLICABLE). ALL SYSTEM SHUT-DOWNS AND DISRUPTION OF SCHEDULED AFTER NORMAL BUILDING HOURS OR AS OTHERWISE APPROVED BY LANDLORD.

H. PRIOR TO DEMOLITION FIELD VERIFY AND IDENTIFY ANY EXISTING EQUIPMENT TO REMAIN IN SERVICE THAT IS SERVED BY SYSTEMS TO BE DEMOLISHED. NOTIFY ENGINEER OF ANY SUCH CONDITIONS AND REMOVE AND/OR RELOCATE THE SERVICES AS DIRECTED.

I. MEET WITH ESSILOR LUXOTTICA PROJECT MANAGER AND LANDLORD PRIOR TO DEMOLITION TO IDENTIFY WHETHER EXISTING MATERIALS SYSTEMS, EQUIPMENT, ETC. ARE CONSIDERED SALVAGE OR DEBRIS. REMOVE DEBRIS FROM SITE AND DISPOSE OF IN AND APPROVED MANNER AS DIRECTED BY LANDLORD.

J. TERMINATE DEMOLISHED SYSTEM SERVICES IN A CONCEALED LOCATION IN AN APPROVED MANNER. COORDINATE WITH NEW AND EXISTING CONSTRUCTION.

K. FIELD VERIFY EXISTING PIPING LOCATIONS PRIOR TO WORK.

L. VERIFY EXTENT OF DEMOLITION OF SANITARY SEWER, DOMESTIC WATER PIPING PRIOR TO WORK. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH APPLICABLE CODES, STANDARDS AND THE AUTHORITY HAVING JURISDICTION.

M. WHERE REQUIRED, COORDINATE EQUIPMENT ELECTRICAL TERMINATION REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

A-LC09-M100-REV04

## B HVAC SYMBOLS

- SUPPLY AIR DIFFUSER
- RETURN AIR OR EXHAUST GRILLE (SEE TAG)
- 12"Ø — ROUND DUCTWORK
- 20x12 — RECTANGULAR DUCTWORK. SIZE IN INCHES, FIRST NUMBER IS SIDE SHOWN.
- A / B — DIFFUSER/GRILLE LABEL:
  A - TYPE/DESIGNATION
  B - AIRFLOW (CFM)
- POINT OF CONNECTION - NEW TO EXISTING
- POINT OF DISCONNECTION
- MANUAL VOLUME DAMPER
- (#) — SHEET KEYNOTE REFERENCE
- CEILING EXHAUST FAN
- (T) — THERMOSTAT
- (S) — TEMPERATURE SENSOR
- SD — DUCT SMOKE DETECTOR

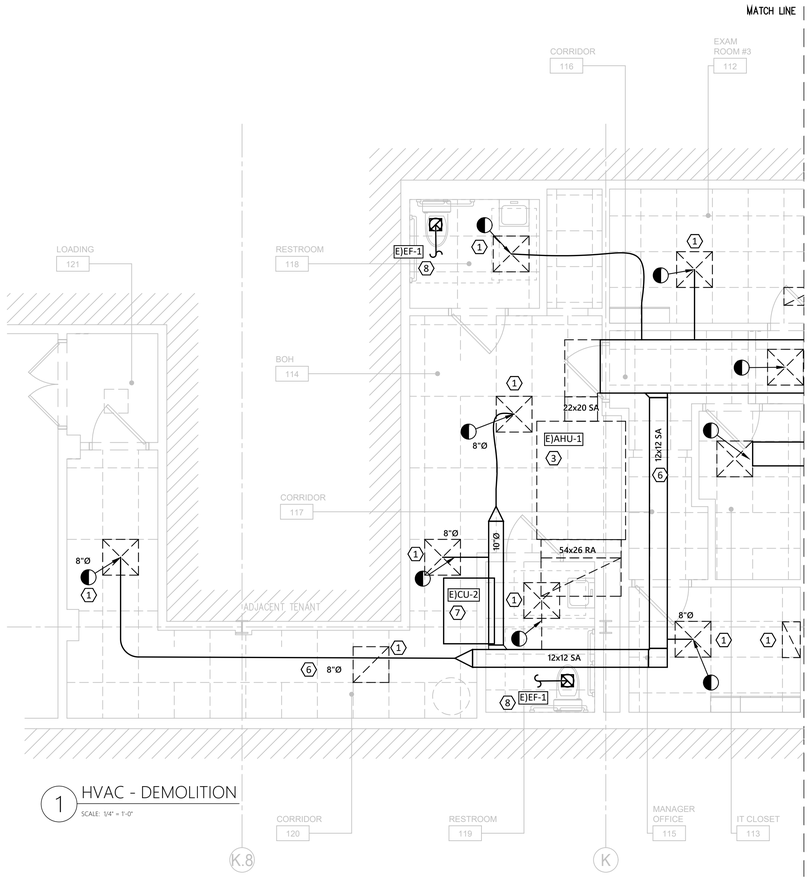
B-LC09-M100-REV04

## C KEY NOTES - DEMOLITION

1. REMOVE AND RELOCATE EXISTING SUPPLY AIR DIFFUSERS AND RETURN GRILLS PER LAYOUT ON SHEET M200a, M200b
2. DEMO EXISTING SUPPLY AIR DIFFUSER, RETURN GRILLE DUE TO NEWLY PROPOSED SIZE OR CEILING TYPE.
3. EXISTING AIR HANDLING UNIT (E)AHU-1 TO BE REMOVED AND DISCARDED. MAINTAIN EXISTING CHILLED WATER AND HOT WATER PIPING IN VICINITY, PREPARE FOR CONNECTION TO NEW UNIT. DEMO EXISTING SUPPLY AIR AND RETURN AIR PLENUMS IN VICINITY. MAINTAIN EXISTING OUTSIDE AIR SERVICE FOR RECONNECTION TO NEW RETURN AIR PLENUM.
4. DEMO EXISTING THERMOSTAT ASSOCIATED WITH E)AHU-1.
5. MAINTAIN EXISTING THERMOSTAT ASSOCIATED WITH E)CU-2 IN PLACE.
6. REUSE EXISTING SUPPLY AIR DUCT WHERE SHOWN.
7. MAINTAIN EXISTING CONDENSING UNIT E)CU-2
8. MAINTAIN EXISTING RESTROOM EXHAUST FANS, E)EF-1

C-LC09-M100-REV04

TEST AND RECORD THE EXISTING CFM DISCHARGING FROM EACH DIFFUSER PRIOR TO START OF WORK. REPORT CFM TO ESSILOR LUXOTTICA PROJECT MANAGER.




REFER TO SHEET M200a FOR CONTINUATION

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

DESIGN & CONSTRUCTION MANAGEMENT:


EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


STORE 518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| 1 | 4/10/2026 100% PRELIMINARY CDs | |
| 2 | 5/1/2026 100% CDs | |
| 3 | 5/1/2026 PERMIT SET | |


Architect / Engineer of Record
NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

EssilorLuxottica Project Number 101399

Brand Design Type:
LC09

ISSUED FOR:
- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
- ☐ PERMIT
- ☐ BULLETIN

Sheet Name:
HVAC DEMOLITION PLAN

Date 05/01/2026
Drawn By I.WIPATASILLAPIN
Checked By S.PATEL

Sheet No.: M100b

## 5 AIR BALANCE REPORTS

G.C. RESPONSIBLE TO OBTAIN CERTIFIED AIR BALANCING REPORT FROM OWNER'S TAB VENDOR, MELINK, FOR PROJECTS IN CANADA, G.C. RESPONSIBLE TO CONTRACT DIRECTLY WITH MELINK FOR ALL TAB SCOPE.

G.C. TO COORDINATE WITH MELINK REGARDING SITE READINESS AND DATES OF INSPECTIONS AROUND TAB REPORTS, PRE-GRID WALK THROUGH AND COMMISSIONING. IF SITE IS NOT READY AND MELINK NEEDS TO RETURN TO PERFORM THEIR WORK, THE G.C. WILL BE RESPONSIBLE FOR ANY COSTS INCURRED FOR A REVISIT AS REQUIRED.

5-LC09-M200-REV04

## 6 PROJECT PHASING - MECHANICAL

GENERAL:

A. REFERENCE THE PHASING PLANS CREATED BY THE ARCHITECT FOR MORE SPECIFIC PROJECT INFORMATION.
B. ALL NOTES AND GENERAL CONTENT FROM THE MECHANICAL PLANS SHALL APPLY TO THE PHASING CONSTRUCTION AREA AS APPLICABLE.
C. PROJECT MAY INVOLVE MULTIPLE PHASES PRIOR TO FINAL COMPLETION OF PROJECT - REFER TO THE ARCHITECTURAL DRAWINGS FOR EACH PHASE DESIGN.

HVAC SYSTEM:

A. PROVIDE AND INSTALL BRANCH DUCTING TO DIFFUSER LOCATIONS AS INDICATED ON THE MECHANICAL CONSTRUCTION DOCUMENTS IN DESIGNATED NEW CONSTRUCTION AREAS OF EACH PHASING PLAN.
B. CONNECT BRANCH DUCTING TO SALES FLOOR SUPPLY DUCT - MIN. 12" DIAMETER IN ALL NEW CONSTRUCTION AREAS OF EACH PHASING PLAN, OR AS SCHEDULED IN THE OVERALL MECHANICAL PLANS.
C. ALL BRANCH DUCTS TO HAVE MANUAL DAMPERS FOR BALANCING PURPOSES.
D. PROVIDE AND INSTALL SPECIFIED DIFFUSERS IN THE NEW CONSTRUCTION AREAS OF EACH PHASING PLAN.
E. PROVIDE AIR SUPPLY AT THE INDICATED RATE SHOWN ON THE MECHANICAL CONSTRUCTION DOCUMENTS IN NEW CONSTRUCTION AREAS OF EACH PHASING PLAN.
F. RETURN GRILLS SHALL BE OPEN TO THE PLENUM, OR CONNECTED TO EXISTING RETURN DUCTWORK IN THE SPACE THAT HAS DUCTED RETURNS.
G. MAINTAIN EXISTING INSTALLATION IN REMAINING SPACES NOT IN THE NEW CONSTRUCTION AREAS OF EACH PHASING PLAN.

EQUIPMENT:

A. PROVIDE AND INSTALL MECHANICAL EQUIPMENT WHEN DESIGNATED IN A NEW CONSTRUCTION AREA OF EACH PHASE.
B. COORDINATE WITH OTHER TRADES TO PROVIDE REQUIRED ELECTRICAL AND OR PLUMBING SUPPLY TO MECHANICAL EQUIPMENT IN A NEW CONSTRUCTION AREA OF EACH PHASING PLAN.
C. MAINTAIN EXISTING EQUIPMENT INSTALLED IN REMAINING SPACES NOT IN THE NEW CONSTRUCTION AREAS OF EACH PHASING PLAN.

6-LC09-M200-REV04

## 4 TURN OVER NOTES

CONTRACTOR TO PROVIDE TO THE PM THE FOLLOWING PRIOR TO INITIAL PUNCHLIST:

ITEMS 'A' THRU 'C' TO BE PERFORMED BY GC PRIOR TO ITEM 'D'. UPON COMPLETION OF ITEMS 'A' THRU 'C', GC TO COORDINATE WITH MELINK TO PERFORM ITEM 'D'.

A. CHANGE FILTER MEDIA PRIOR TO TURN OVER.
B. DEMONSTRATE EQUIPMENT HEATS AND COOLS.
C. CLEAN DRAIN PANS PRIOR TO TURN OVER.
D. AIR BALANCE REPORT TO STATE EQUIPMENT INFORMATION INCLUDING:

- MODEL NUMBER, SERIAL NUMBER, RATED AND TESTED AMP DRAW, RATED AND TESTED VOLTAGE AND ANY ALTERATIONS OF THE EQUIPMENT REQUIRED TO ACHIEVE DESIGN AIR FLOW.
- AIR TEMPERATURE OF RETURN AT UNIT, SUPPLY UNIT, SPACE TEMPERATURE OF OCCUPIED AREA, AIR TEMPERATURE AT SUPPLY DIFFUSERS (ALL OF THEM), AIR TEMPERATURE IN THE PLENUM, AND OUTSIDE AIR TEMPERATURE AT TIME OF BALANCING.

NOTE: GC TO REVIEW DEFICIENCIES NOTED BY MELINK WITH PROJECT MANAGER, AND IDENTIFY ALL ITEMS TO BE COMPLETED AS PART OF THE GC PUNCHLIST.

4-LC09-M200-REV06

## 7 FIRE STOPPING NOTE

PROVIDE FIRE STOPPING FOR ALL PENETRATIONS OF FIRE WALLS. PROVIDE THROUGH WALL FIRE STOPPING FOR ALL LOCATIONS WHERE JUNCTION BOXES ARE LOCATED IN A DEMISING WALL, OR OTHER FIRE WALL.

7-LC09-M200-REV04

## 3 KEY NOTES - MECHANICAL PLAN

1. PROVIDE NEW AIR HANDLING UNIT WITH CHILLED WATER COIL AND HOT WATER COIL. CONNECT TO EXISTING CHILLED WATER AND HOT WATER PIPING IN VICINITY. VERIFY SIZING PRIOR TO INSTALLATION.
2. PROVIDE NEW SUPPLY AIR / RETURN AIR DUCTWORK ASSOCIATED WITH NEW AIR HANDLING UNIT. ADAPT DUCT TO EXISTING MAIN BRANCHES IN VICINITY. ADAPT RETURN AIR PLENUM TO EXISTING OUTSIDE CONNECTION
3. CONNECT TO EXISTING DUCTWORK
4. EXISTING DIFFUSERS AND REGISTERS TO BE RELOCATED AND REPAINTED PER FINISH SCHEDULE
5. PROVIDE DUCT TAKE OFFS PER DETAIL A ON SHEET M001. HIGH EFFICIENCY FITTINGS SHALL BE USED.
6. PROVIDE GREENHECK RBDR MOTORIZED DAMPERS FOR DIFFUSERS AND BRANCH DUCTS LOCATED ABOVE HARD CEILINGS. SEE DETAIL B ON SHEET M001.
7. LOCATION OF NEW THERMOSTAT FOR AHU-1. INSTALL THERMOSTAT AT 44" AFF. VERIFY FINAL LOCATIONS WITH ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO ROUGH IN. PROGRAM AS REQUIRED, SEE INFORMATION ON DETAIL M010 ON SHEET M020.
8. LOCATION OF NEW REMOTE WIRED SENSOR FOR AHU-1. INSTALL AT 60" AFF. PRGORAM TO AHU-1 THERMOSTAT. IF ADJACENT TO LIGHT SWITCH, VERTICALLY ALIGN THE SENSOR WITH THE SWITCH.
9. MAINTAIN EXISTING RESTROOM EXHUAST FAN EF-1
10. RE-INSTALL EXISTING SMOKE DETECTOR ONTO NEW RETURN AIR PLENUM
11. EXISTING AHU-2 TO REMAIN. PROVIDE NEW FILTER

3-LC09-M200-REV04

## 2 GRILLE, REGISTER AND DIFFUSER SCHEDULE

| TAG | SERVICE | MOUNTING | MFR | MODEL No. | MODULE SIZE | FINISH | NOTES |
|---|---|---|---|---|---|---|---|
| S1 | SUPPLY AIR | SURFACE | TITUS | OMNI | 24" X 24" | PAINT TO MATCH CLG | 1,2,3,4,5,6 |
| S2 | SUPPLY AIR | SURFACE | TITUS | OMNI | 12" X 12" | WHITE | 1,2,3,4,5,6 |
| S3 | SUPPLY AIR | LAY-IN | TITUS | OMNI | 24" X 24" | WHITE | 1,2,5,6 |
| R1 | RETURN AIR | SURFACE | TITUS | 50F | 24" X 24" | PAINT TO MATCH CLG | 3,5 |
| R2 | RETURN AIR | SURFACE | TITUS | 50F | 24" X 12" | PAINT TO MATCH CLG | 3,5 |
| R3 | RETURN AIR | LAY-IN | TITUS | 50F | 24" X 24" | WHITE | 5 |
| R4 | RETURN AIR | LAY-IN | TITUS | 50F | 24" X 12" | WHITE | 5 |

NOTES/ACCESSORIES

1. SECTORIZING BAFFLES FOR DIRECTIONAL CONTROL WHERE NOTED ON DRAWINGS
2. OPPOSED BLADE DAMPER
3. RAPID MOUNT FRAME (IF SURFACE MOUNTING)
4. PROVIDE GREENHECK RBDR MOTORIZED DAMPERS FOR ALL DIFFUSERS AND GRILLES LOCATED ABOVE A HARD CEILING.
5. SEE ARCHITECTURAL RCP, SHEET A102, FOR PAINT COLOR FOR DIFFUSERS. PAINT DIFFUSER PRIOR TO INSTALLING INTO THE CEILING.
6. DISHARGE PATTERN TO BE S4 4-WAY ARRANGEMENT

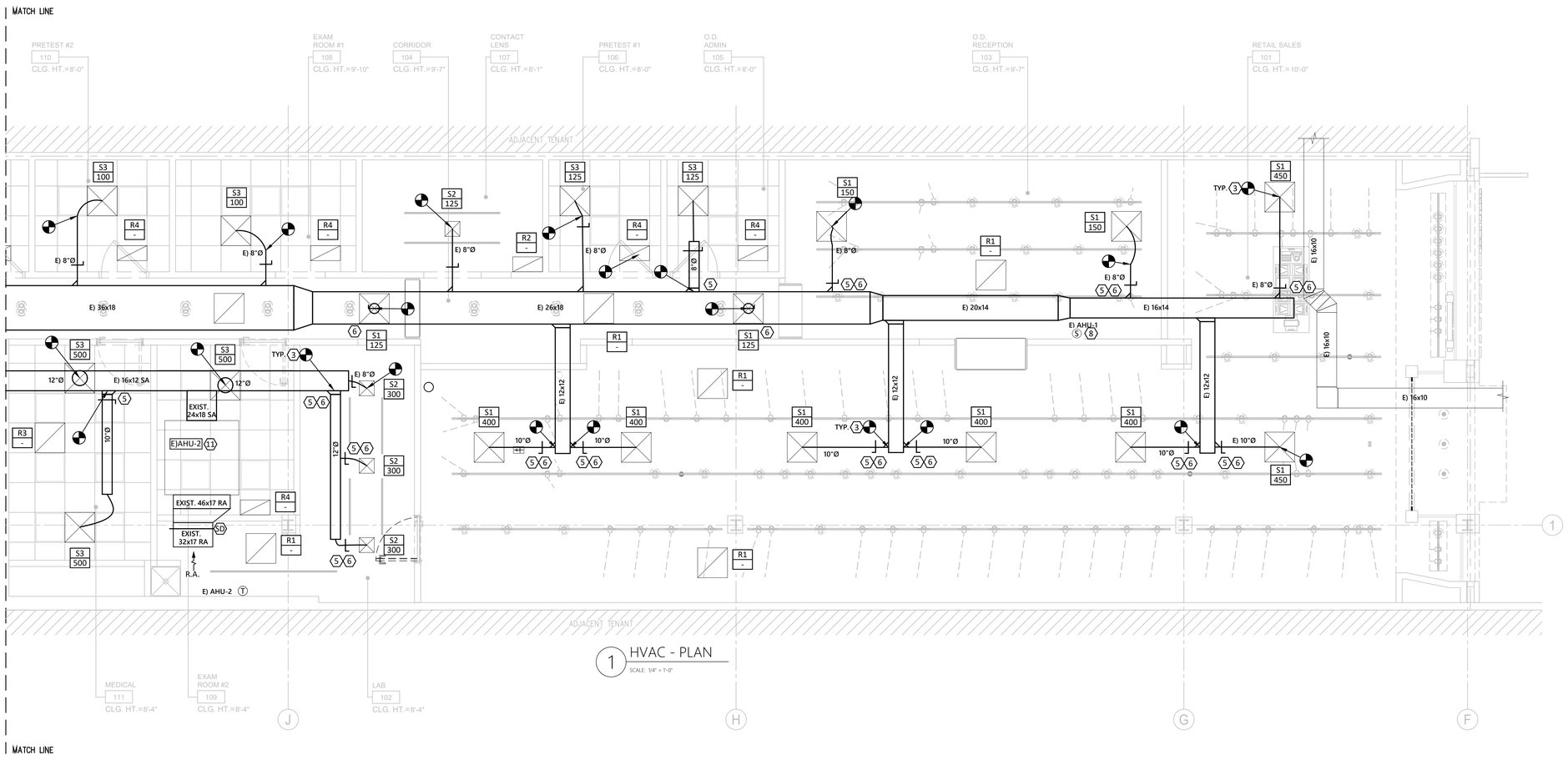
**NOTE: MANUFACTURER LISTED IS TO GIVE DIRECTION ON STYLE AND QUALITY. IT IS NOT THE INTENT OF THE LISTING TO SINGLE LINE SPECIFY A PARTICULAR MANUFACTURER. IF SUBSTITUTING, PROVIDE SHOP DRAWINGS TO PROJECT MANAGER FOR APPROVAL.**

2-LC09-M200-REV04

## 1 HVAC SYMBOLS

- SUPPLY AIR DIFFUSER
- RETURN AIR OR EXHAUST GRILLE (SEE TAG)
- 12"Ø — ROUND DUCTWORK
- 20x12 — RECTANGULAR DUCTWORK, SIZE IN INCHES, FIRST NUMBER IS SIDE SHOWN.
- A / B — DIFFUSER/GRILLE LABEL: A - TYPE/DESIGNATION; B - AIRFLOW (CFM)
- POINT OF CONNECTION - NEW TO EXISTING
- POINT OF DISCONNECTION
- MANUAL VOLUME DAMPER
- (#) — SHEET KEYNOTE REFERENCE
- CEILING EXHAUST FAN
- (T) — THERMOSTAT
- (S) — TEMPERATURE SENSOR
- (SD) — DUCT SMOKE DETECTOR

1-LC09-M200-REV04




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

DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |


**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


**Seal**

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name: HVAC PLAN

Date: 05/01/2026
Drawn By: I.WIPATASILLAPIN
Checked By: S.PATEL

Sheet No.: M200a

## 5 AIR BALANCE REPORTS

G.C. RESPONSIBLE TO OBTAIN CERTIFIED AIR BALANCING REPORT FROM OWNER'S TAB VENDOR, MELINK. FOR PROJECTS IN CANADA, G.C. RESPONSIBLE TO CONTRACT DIRECTLY WITH MELINK FOR ALL TAB SCOPE.

G.C. TO COORDINATE WITH MELINK REGARDING SITE READINESS AND DATES OF INSPECTIONS AROUND TAB REPORTS, PRE-GRID WALK THROUGH AND COMMISSIONING. IF SITE IS NOT READY AND MELINK NEEDS TO RETURN TO PERFORM THEIR WORK, THE G.C. WILL BE RESPONSIBLE FOR ANY COSTS INCURRED FOR A REVISIT AS REQUIRED.

5-LC09-M200-REV04

## 6 PROJECT PHASING - MECHANICAL

GENERAL:

A. REFERENCE THE PHASING PLANS CREATED BY THE ARCHITECT FOR MORE SPECIFIC PROJECT INFORMATION.
B. ALL NOTES AND GENERAL CONTENT FROM THE MECHANICAL PLANS SHALL APPLY TO THE PHASING CONSTRUCTION AREA AS APPLICABLE.
C. PROJECT MAY INVOLVE MULTIPLE PHASES PRIOR TO FINAL COMPLETION OF PROJECT - REFER TO THE ARCHITECTURAL DRAWINGS FOR EACH PHASE DESIGN.

HVAC SYSTEM:

A. PROVIDE AND INSTALL BRANCH DUCTING TO DIFFUSER LOCATIONS AS INDICATED ON THE MECHANICAL CONSTRUCTION DOCUMENTS IN DESIGNATED NEW CONSTRUCTION AREAS OF EACH PHASING PLAN.
B. CONNECT BRANCH DUCTING TO SALES FLOOR SUPPLY DUCT - MIN. 12" DIAMETER IN ALL NEW CONSTRUCTION AREAS OF EACH PHASING PLAN, OR AS SCHEDULED IN THE OVERALL MECHANICAL PLANS.
C. ALL BRANCH DUCTS TO HAVE MANUAL DAMPERS FOR BALANCING PURPOSES.
D. PROVIDE AND INSTALL SPECIFIED DIFFUSERS IN THE NEW CONSTRUCTION AREAS OF EACH PHASING PLAN.
E. PROVIDE AIR SUPPLY AT THE INDICATED RATE SHOWN ON THE MECHANICAL CONSTRUCTION DOCUMENTS IN NEW CONSTRUCTION AREAS OF EACH PHASING PLAN.
F. RETURN GRILLS SHALL BE OPEN TO THE PLENUM, OR CONNECTED TO EXISTING RETURN DUCTWORK IN THE SPACE THAT HAS DUCTED RETURNS.
G. MAINTAIN EXISTING INSTALLATION IN REMAINING SPACES NOT IN THE NEW CONSTRUCTION AREAS OF EACH PHASING PLAN.

EQUIPMENT:

A. PROVIDE AND INSTALL MECHANICAL EQUIPMENT WHEN DESIGNATED IN A NEW CONSTRUCTION AREA OF EACH PHASE.
B. COORDINATE WITH OTHER TRADES TO PROVIDE REQUIRED ELECTRICAL AND OR PLUMBING SUPPLY TO MECHANICAL EQUIPMENT IN A NEW CONSTRUCTION AREA OF EACH PHASING PLAN.
C. MAINTAIN EXISTING EQUIPMENT INSTALLED IN REMAINING SPACES NOT IN THE NEW CONSTRUCTION AREAS OF EACH PHASING PLAN.

6-LC09-M200-REV04

## 4 TURN OVER NOTES

CONTRACTOR TO PROVIDE TO THE PM THE FOLLOWING PRIOR TO INITIAL PUNCHLIST:

ITEMS 'A' THRU 'C' TO BE PERFORMED BY GC PRIOR TO ITEM 'D'. UPON COMPLETION OF ITEMS 'A' THRU 'C', GC TO COORDINATE WITH MELINK TO PERFORM ITEM 'D'.

A. CHANGE FILTER MEDIA PRIOR TO TURN OVER.
B. DEMONSTRATE EQUIPMENT HEATS AND COOLS.
C. CLEAN DRAIN PANS PRIOR TO TURN OVER.
D. AIR BALANCE REPORT TO STATE EQUIPMENT INFORMATION INCLUDING:

- MODEL NUMBER, SERIAL NUMBER, RATED AND TESTED AMP DRAW, RATED AND TESTED VOLTAGE AND ANY ALTERATIONS OF THE EQUIPMENT REQUIRED TO ACHIEVE DESIGN AIR FLOW.
- AIR TEMPERATURE OF RETURN AT UNIT, SUPPLY UNIT, SPACE TEMPERATURE OF OCCUPIED AREA, AIR TEMPERATURE AT SUPPLY DIFFUSERS (ALL OF THEM), AIR TEMPERATURE IN THE PLENUM, AND OUTSIDE AIR TEMPERATURE AT TIME OF BALANCING.

NOTE: GC TO REVIEW DEFICIENCIES NOTED BY MELINK WITH PROJECT MANAGER, AND IDENTIFY ALL ITEMS TO BE COMPLETED AS PART OF THE GC PUNCHLIST.

4-LC09-M200-REV06

## 7 FIRE STOPPING NOTE

PROVIDE FIRE STOPPING FOR ALL PENETRATIONS OF FIRE WALLS. PROVIDE THROUGH WALL FIRE STOPPING FOR ALL LOCATIONS WHERE JUNCTION BOXES ARE LOCATED IN A DEMISING WALL, OR OTHER FIRE WALL.

7-LC09-M200-REV04

## 3 KEY NOTES - MECHANICAL PLAN

1. PROVIDE NEW AIR HANDLING UNIT WITH CHILLED WATER COIL AND HOT WATER COIL. CONNECT TO EXISTING CHILLED WATER AND HOT WATER PIPING IN VICINITY. VERIFY SIZING PRIOR TO INSTALLATION.
2. PROVIDE NEW SUPPLY AIR / RETURN AIR DUCTWORK ASSOCIATED WITH NEW AIR HANDLING UNIT. ADAPT DUCT TO EXISTING MAIN BRANCHES IN VICINITY. ADAPT RETURN AIR PLENUM TO EXISTING OUTSIDE CONNECTION
3. CONNECT TO EXISTING DUCTWORK
4. EXISTING DIFFUSERS AND REGISTERS TO BE RELOCATED AND REPAINTED PER FINISH SCHEDULE
5. PROVIDE DUCT TAKE OFFS PER DETAIL A ON SHEET M001. HIGH EFFICIENCY FITTINGS SHALL BE USED.
6. PROVIDE GREENHECK RBDR MOTORIZED DAMPERS FOR DIFFUSERS AND BRANCH DUCTS LOCATED ABOVE HARD CEILINGS. SEE DETAIL B ON SHEET M001.
7. LOCATION OF NEW THERMOSTAT FOR AHU-1. INSTALL THERMOSTAT AT 44" AFF. VERIFY FINAL LOCATIONS WITH ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO ROUGH IN. PROGRAM AS REQUIRED, SEE INFORMATION ON DETAIL M010 ON SHEET M020.
8. LOCATION OF NEW REMOTE WIRED SENSOR FOR AHU-1. INSTALL AT 60" AFF. PRGORAM TO AHU-1 THERMOSTAT. IF ADJACENT TO LIGHT SWITCH, VERTICALLY ALIGN THE SENSOR WITH THE SWITCH.
9. MAINTAIN EXISTING RESTROOM EXHUAST FAN EF-1
10. RE-INSTALL EXISTING SMOKE DETECTOR ONTO NEW RETURN AIR PLENUM

3-LC09-M200-REV04

## 2 GRILLE, REGISTER AND DIFFUSER SCHEDULE

| TAG | SERVICE | MOUNTING | MFR | MODEL No. | MODULE SIZE | FINISH | NOTES |
|---|---|---|---|---|---|---|---|
| S1 | SUPPLY AIR | SURFACE | TITUS | OMNI | 24" X 24" | PAINT TO MATCH CLG | 1,2,3,4,5,6 |
| S2 | SUPPLY AIR | SURFACE | TITUS | OMNI | 12" X 12" | WHITE | 1,2,3,4,5,6 |
| S3 | SUPPLY AIR | LAY-IN | TITUS | OMNI | 24" X 24" | WHITE | 1,2,5,6 |
| R1 | RETURN AIR | SURFACE | TITUS | 50F | 24" X 24" | PAINT TO MATCH CLG | 3,5 |
| R2 | RETURN AIR | SURFACE | TITUS | 50F | 24" X 12" | PAINT TO MATCH CLG | 3,5 |
| R3 | RETURN AIR | LAY-IN | TITUS | 50F | 24" X 24" | WHITE | 5 |
| R4 | RETURN AIR | LAY-IN | TITUS | 50F | 24" X 12" | WHITE | 5 |

NOTES/ACCESSORIES

1. SECTORIZING BAFFLES FOR DIRECTIONAL CONTROL WHERE NOTED ON DRAWINGS
2. OPPOSED BLADE DAMPER
3. RAPID MOUNT FRAME (IF SURFACE MOUNTING)
4. PROVIDE GREENHECK RBDR MOTORIZED DAMPERS FOR ALL DIFFUSERS AND GRILLES LOCATED ABOVE A HARD CEILING.
5. SEE ARCHITECTURAL RCP, SHEET A102, FOR PAINT COLOR FOR DIFFUSERS. PAINT DIFFUSER PRIOR TO INSTALLING INTO THE CEILING.
6. DISHARGE PATTERN TO BE S4 4-WAY ARRANGEMENT

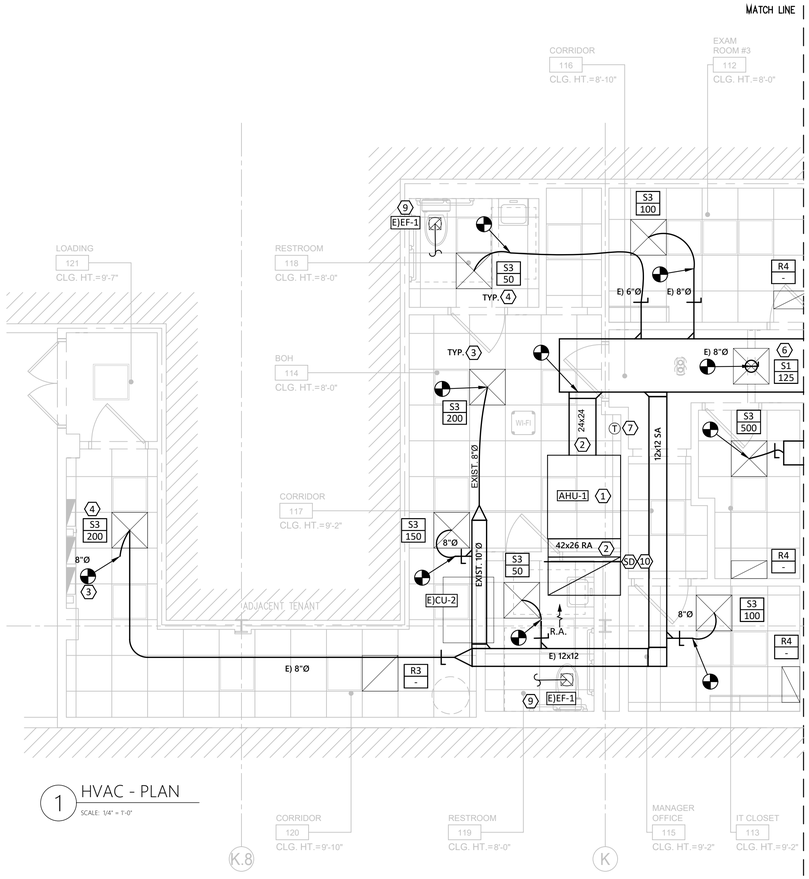
**NOTE: MANUFACTURER LISTED IS TO GIVE DIRECTION ON STYLE AND QUALITY. IT IS NOT THE INTENT OF THE LISTING TO SINGLE LINE SPECIFY A PARTICULAR MANUFACTURER. IF SUBSTITUTING, PROVIDE SHOP DRAWINGS TO PROJECT MANAGER FOR APPROVAL.**

2-LC09-M200-REV04

## 1 HVAC SYMBOLS

- SUPPLY AIR DIFFUSER
- RETURN AIR OR EXHAUST GRILLE (SEE TAG)
- 12"Ø — ROUND DUCTWORK
- 20x12 — RECTANGULAR DUCTWORK. SIZE IN INCHES, FIRST NUMBER IS SIDE SHOWN.
- A / B — DIFFUSER/GRILLE LABEL: A - TYPE/DESIGNATION, B - AIRFLOW (CFM)
- POINT OF CONNECTION - NEW TO EXISTING
- POINT OF DISCONNECTION
- MANUAL VOLUME DAMPER
- # — SHEET KEYNOTE REFERENCE
- CEILING EXHAUST FAN
- T — THERMOSTAT
- S — TEMPERATURE SENSOR
- SD — DUCT SMOKE DETECTOR

1-LC09-M200-REV04




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


DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

STORE 518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica


Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |


Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Coolsys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

EssilorLuxottica Project Number 101399

Brand Design Type:
LC09

ISSUED FOR:

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:
HVAC PLAN

Date 05/01/2026
Drawn By I.WIPATASILLAPIN
Checked By S.PATEL

Sheet No.:
M200b

## 2 PLUMBING SPECIFICATIONS

I. GENERAL PROVISIONS

A. GENERAL CONDITIONS, CODES & STANDARDS

1. GENERAL CONDITIONS OF THE CONTRACT FOUND IN THE ARCHITECTURAL DRAWINGS, GENERAL AND SPECIAL CONDITIONS OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIA) (NSPE)(NEC) AND ANY OF THE TENANT'S GENERAL REQUIREMENTS SHALL APPLY UNLESS NOTED OTHERWISE.
2. REFER TO THE GENERAL CONDITIONS ON THE ARCHITECTURAL DOCUMENTS AND THE GENERAL AND SPECIAL CONDITIONS OF THE AIA FOR ADDITIONAL REQUIREMENTS REGARDING; SAFETY, COORDINATION & COOPERATION, WORKMANSHIP, PROTECTION, CUTTING AND PATCHING, DAMAGE TO OTHER WORK, PRELIMINARY OPERATIONS, STORAGE, ADJUSTMENTS, CLEANING, ETC.
3. ALL WORK SHALL BE IN CONFORMANCE WITH ALL LOCALLY ENFORCED, FEDERAL, STATE AND LOCAL CODES AND ORDINANCES INCLUDING ANY SPECIAL THE TENANT REQUIREMENTS IN ADDITION TO THOSE SPECIFIED.
4. GENERAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS AND INSPECTIONS REQUIRED TO PROCEED WITH THE WORK. THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS.

B. SCOPE OF WORK

1. THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLING, CONNECTING, AND OPERATION OF ALL EQUIPMENT WHICH IS A PART OF THE PLUMBING SYSTEMS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY SIMILAR INSTALLATIONS. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK AND WHICH IS USUALLY INCLUDED IN WORK OF A SIMILAR CHARACTER SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE TENANT. GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO PROVIDE THE TENANT A COMPLETE, CODE APPROVED AND OPERATIONAL PLUMBING SYSTEMS.
2. CAREFULLY READ SPECIFICATION FOR ALL PARTS OF THE WORK SO AS TO BECOME FAMILIAR WITH ALL TRADES' WORK SCOPE. CONSULT WITH OTHER TRADES TO INSURE PROPER LOCATIONS AND AVOID INTERFERENCES. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE TENANT BEFORE WORK IS COMMENCED.
3. ALL CONTRACTORS SHALL BE HELD TO HAVE EXAMINED THE PREMISES AND SITE SO AS TO COMPARE THEM WITH THE DRAWINGS AND SPECIFICATIONS, NOTE THE EXISTING CONDITIONS AND OTHER WORK THAT WILL BE REQUIRED, AND THE NATURE OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCE SHALL BE MADE TO ANY CONTRACTOR BY REASON OF THIS FAILURE TO HAVE MADE SUCH EXAMINATION OR OF ANY ERROR ON HIS PART.
4. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL BE FAMILIAR WITH THE LIMITS OF DEMOLITION REQUIRED FOR ALL TRADES. COORDINATE DEMOLITION WITH REQUIREMENTS OF NEW CONSTRUCTION PRIOR TO INITIATING WORK.
5. ALL EXISTING UTILITY AND MECHANICAL SERVICES SHALL BE FIELD VERIFIED. CORRECTIONS TO THE DESIGN AND INSTALLATION SHALL BE MADE WITHOUT ADDITIONAL COST TO THE TENANT.
6. THIS GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE THE OPENINGS WITH THE GENERAL TRADES CONTRACTOR. THE FINAL LOCATIONS AND SIZES OF ALL DUCT AND LOUVER OPENINGS SHALL BE PROVIDED BY THIS CONTRACTOR.
7. THIS CONTRACT SHALL ALSO INCLUDE ALL LABOR, MATERIALS AND MISCELLANEOUS EXPENSES REQUIRED FOR ALL REQUIRED PLUMBING DEMOLITION OF THE EXISTING AREAS BEING RENOVATED.
   a. THE DEMOLITION SHALL CONSIST OF THE COMPLETE REMOVAL (PROPERLY DISPOSED) OFF SITE UNLESS OTHERWISE NOTED) OF ALL PLUMBING EQUIPMENT, PIPING, MATERIALS, ETC. NOT REQUIRED IN THE FINAL DESIGN AND INSTALLATION OF THE PLUMBING SYSTEMS FOR THE NEW RENOVATED AREAS.
   b. ALL UNDERGROUND SERVICES NOT BEING REUSED SHALL BE CAPPED BELOW THE FLOOR.
   c. ALL ABOVE GROUND SERVICES SHALL BE REMOVED BACK TO THEIR RESPECTIVE MAIN AND CAPPED OR IF THE MAIN IS NOT REQUIRED, THE MAIN SHALL BE REMOVED IN IT'S ENTIRETY.
   d. COORDINATE ALL DEMOLITION WITH THE ARCHITECTURAL DOCUMENTS AND THE ARCHITECT AND THE TENANT'S GENERAL REQUIREMENTS.
7. ALL WORK INCLUDING, BUT NOT LIMITED TO PARTS, MATERIAL, EQUIPMENT AND LABOR SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE ENGINEER AND TENANT. WHERE AN EQUIPMENT MANUFACTURER HAS A WARRANTY THAT EXCEEDS ONE YEAR, THAT WARRANTY PERIOD SHALL APPLY TO THIS PROJECT.

C. DOCUMENTS

1. THE DRAWINGS ARE DIAGRAMMATIC, ALL WORK SHALL BE PERFORMED AS INDICATED ON THE DRAWINGS UNLESS EXISTING CONDITIONS OR COORDINATION ISSUES REQUIRE CHANGES. THESE CHANGES SHALL BE MADE WITH NO ADDITIONAL COST TO THE TENANT.
2. ANY INCIDENTAL ITEMS OR LABOR, ETC. NOT INCLUDED IN THE SPECIFICATIONS OR THE DRAWINGS BUT REASONABLY IMPLIED AS NECESSARY FOR THE COMPLETE INSTALLATION OF ALL APPARATUS SHALL BE INCLUDING IN BID.
3. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED EVEN THOUGH NOT MENTIONED IN BOTH.
4. IF ERRORS ARE FOUND IN THE DRAWINGS OR SPECIFICATIONS OR DISCREPANCIES OCCUR BETWEEN THE SAME, OR BETWEEN THE FIGURES ON THE DRAWINGS, AND THE SCALE OF SAME OR BETWEEN THE LARGER AND SMALLER DRAWINGS, OR IN THE DESCRIPTIVE MATTER ON THE DRAWINGS SHALL BE REFERRED TO THE TENANT FOR REVIEW AND FINAL DECISION PRIOR TO THE BID DUE DATE.
5. THE BIDDING OF THIS WORK WILL CONTEMPLATE THE USE OF EQUIPMENT AND MATERIALS EXACTLY AS SPECIFIED HEREIN. WHERE MORE THAN ONE MANUFACTURER IS MENTIONED ANY ONE MAY BE UTILIZED. SUBSTITUTE MANUFACTURERS MAY BE OFFERED ONLY AS AN ALTERNATE TO THE SPECIFIED EQUIPMENT AND MATERIAL.
   a. SUBSTITUTIONS
      i. THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THE CONTRACT DOCUMENTS ARE FOR THE PURPOSE OF DESCRIPTION AND TO ESTABLISH A BASE LEVEL OF QUALITY. THE GENERAL CONTRACTOR'S BID WILL CONTEMPLATE THE USE OF THE EQUIPMENT AND MATERIALS EXACTLY AS INDICATED.
      ii. THE GENERAL CONTRACTOR SHALL SUBMIT FOR APPROVAL, WITH HIS BID QUOTATION, A LIST OF ANY PROPOSED SUBSTITUTIONS OF MATERIALS AND EQUIPMENT FOR THOSE ON WHICH THE ORIGINAL DESIGN WAS BASED. A FULL DESCRIPTION OF ALL PROPOSED SUBSTITUTED ITEMS, THE CHANGE TO THEIR BID PRICE OR OTHER REASONS FOR SUCH SUBSTITUTIONS SHALL ACCOMPANY THE BID. ALL ACCESSORIES, FEATURES, ETC., SUPPLIED WITH THE SUBSTITUTED MANUFACTURER'S PRODUCT SHALL ALSO BE INCLUDED IN THE BID.
      iii. IF THE GENERAL CONTRACTOR DOES NOT SUBMIT PROPOSED SUBSTITUTIONS WITH THEIR BID THE TENANT SHALL CONSIDER THE BIDDER TO BE PROPOSING THE MANUFACTURERS AND MODEL NUMBERS SPECIFIED HEREIN AND SHOWN ON THE CONTRACT DRAWINGS.
      iv. SUBSTITUTIONS AFTER CONTRACT AWARD SHALL NOT BE PERMITTED.
6. MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS. REFER TO EACH SECTION FOR ANY SPECIFIC REQUIREMENTS.

D. COORDINATION

1. GENERAL CONTRACTOR SHALL INCLUDE A VISIT TO THE JOB SITE AND TAKE INTO CONSIDERATION MECHANICAL, ELECTRICAL AND GENERAL TRADE WORK CURRENTLY EXISTING AND WORK WHICH MAY BE INSTALLED PRIOR TO CONTRACT AWARD. RELOCATION OF DUCTWORK, PIPING AND EQUIPMENT, AS REQUIRED, TO AVOID THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE TENANT.
2. GENERAL CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDING SITE BEFORE STARTING ANY FABRICATION OR DOING ANY WORK IN THE FIELD AND SHALL BE RESPONSIBLE FOR THE CORRECT AND PROPER MEASUREMENTS OF HIS WORK ALONG WITH RESOLUTIONS FOR ANY CONFLICT OF SPACE WITH OTHER TRADES.
3. WHERE THE WORK OF TWO OR MORE TRADES INTERFERE WITH EACHE OTHER AND A DEVIATION FROM DESIGN IS NECESSARY, NEITHER WORK SHALL PROCEED UNTIL THE TENANT HAS BEEN NOTIFIED OF THE CONFLICT AND THEY HAVE RENDERED A DECISION AS TO WHAT CHANGES SHOULD BE MADE.
4. GENERAL CONTRACTOR SHALL LOCATE, IDENTIFY AND PROTECT ANY EXISTING SERVICES WHICH ARE REQUIRED TO BE MAINTAINED OPERATIONAL AND SHALL EXERCISE EXTRA CAUTION IN THE PERFORMANCE OF ALL WORK TO AVOID DISTURBING SUCH FACILITIES. ALL COSTS FOR REPAIR OF DAMAGES TO SUCH SERVICES SHALL BE PAID BY THE GENERAL CONTRACTOR CAUSING THE DAMAGE.
5. IT IS ESSENTIAL THAT ALL WORK AT THE PROJECT BE DONE AS SUCH TIME AND IN SUCH MANNER AS NOT TO INTERFERE WITH THE NORMAL OPERATIONS OF THE FACILITY. A WORK SCHEDULE SHALL BE ARRANGED WITH THE TENANT TO FACILITATE WORK WITH A MINIMUM OF INTERFERENCE WITH THE TENANT'S OPERATIONS.
6. AREAS TO BE USED FOR STORAGE SHALL BE ONLY AS DIRECTED BY THE TENANT. ALL STORED MATERIAL SHALL BE RELOCATED OR REMOVED FROM THE SITE AS DIRECTED BY THE TENANT.
7. DAILY, AND AT THE COMPLETION OF THE WORK, EACH GENERAL CONTRACTOR SHALL REMOVE ALL EXCESS MATERIALS AND DEBRIS CAUSED BY HIS WORK. UPON COMPLETION OF EACH GENERAL CONTRACTOR'S WORK, CONDITIONS OF THE SPACE(S) SHALL BE THE SAME AS FOUND PRIOR TO COMMENCEMENT OF THE WORK. FAILURE TO DO SO MAY RESULT IN THE TENANT'S EMPLOYMENT OF A SEPARATE SERVICE TO OBTAIN THIS CONDITION AND REDUCING THE FACTOR'S CONTRACT AMOUNT BY THE COST OF SUCH A SERVICE.
8. EACH GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO OTHER WORK CAUSED BY HIS WORK OR THROUGH THE NEGLECT OF HIS, OR HIS SUB-TRADE'S PERSONNEL. ALL PATCHING, REPAIRING, REPLACEMENT AND PAINTING, ETC. SHALL BE DONE AS DIRECTED BY THE TENANT BY THE CRAFTSMEN OF THE TRADES INVOLOVED. THE COSTS OF SUCH WORK SHALL BE PAID BY THE CONTRACTOR CAUSING THE DAMAGE.

E. METHODS

1. EXCAVATIONS SHALL BE MADE IN OPEN TRENCHES. FLOORS SHALL BE SAW CUT. PIPING SHALL BE LAID ON AN APPROPRIATELY GRADED 6" BED OF CLEAN AND DRY SAND. ENGINEERED FILL SHALL BE USED TO BACKFILL TO 6" ABOVE THE PIPING. BACKFILL THE REMAINDER OF THE TRENCH UTILIZING THE EXCAVATED MATERIAL IF APPROVED BY THE ARCHITECT OR THE TENANT. IF THE EXCAVATED MATERIALS ARE NOT ACCEPTABLE, ENGINEERED FILL ACCEPTABLE TO THE ARCHITECT SHALL BE UTILIZED TO BACKFILL THE REMAINDER OF THE TRENCH. BACKFILL SHALL BE ACCOMPLISHED IN 9" LIFTS WITH ALL LIFTS COMPACTED TO 95% PROCTOR. PATCH FLOOR TO MATCH EXISTING.
2. EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL NOT BE SUPPORTED FROM ANY CEILINGS, OTHER PIPING, CONDUIT OR DUCTWORK, ROOF DECK, OR JOIST BRIDGING. ITEMS SHALL BE SUPPORTED FROM ACCEPTABLE STRUCTURAL BUILDING COMPONENTS AS DETERMINED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
3. ALL ROOF PENETRATIONS, FLASHING AND COUNTER FLASHING SHALL BE PERFORMED BY THE TENANT'S ROOFING CONTRACTOR AT THE REQUESTING GENERAL CONTRACTORS COST.

II. INSULATION

A. GENERAL

1. INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES.
2. CLEAN AND DRY SURFACES PRIOR TO INSULATING.
3. EXTEND INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, HANGERS AND SIMILAR PENETRATIONS.
4. INSULATION JACKET AND FITTING COVER MUST BE PLENUM RATED.
5. IT IS ESSENTIAL THAT THE INTEGRITY OF THE VAPOR-BARRIER BE MAINTAINED. SEAL ALL PENETRATIONS OF THE VAPOR BARRIER BY STAPLES, HANGERS OR WHERE OTHERWISE DAMAGED.
6. MAINTAIN ACCESS TO BALANCING DAMPERS AND VALVES.
7. INSULATION SHALL BE BY OWENS-CORNING, KNAUF, OR MANVILLE.

B. PLUMBING

1. ALL ABOVE GROUND PIPING SHALL BE INSULATED WITH FIBERGLASS PIPING INSULATION WITH AN ALL SERVICE JACKET AND SELF SEALING LAP (ASJ/SSL).
   a. DOMESTIC HOT AND COLD WATER PIPING UP TO 3/4 INCH DIAMETER - 1/2 INCH THICK.
2. FITTINGS AND VALVES SHALL BE INSULATED WITH PRE-MOLDED FIBERGLASS FITTINGS AND COVERED WITH A PRE-FORMED PVC FITTING COVER.

III. PLUMBING

A. GENERAL

1. THE ENTIRE PLUMBING INSTALLATION, MATERIALS, EQUIPMENT, ETC. SHALL CONFORM TO THE REQUIREMENTS OF THE LANDLORD, LOCALLY ENFORCED BUILDING CODE, THE PLUMBING CODE, THE AMERICAN DISABILITIES ACT GUIDELINES, ANSI A117.1 REQUIREMENTS FOR THE PHYSICALLY CHALLENGED AND THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS). GENERAL CONTRACTOR TO VERIFY ALL PLUMBING ROUGH IN DIMENSIONS MEET THE ABOVE NOTED REQUIREMENTS. VERIFY FINAL ROUGH IN WITH ARCHITECT PRIOR TO BACKFILLING OR WALL INSTALLATION.
2. TEST ALL SEWER AND WATER PIPING IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES.
3. FURNISH ACCESS DOORS FOR WALL CLEAN OUTS AND VALVES IN WALLS.
4. ALL FIXTURES AND EQUIPMENT NOT SPECIFIED HERE-IN ARE BEING PROVIDED BY OTHERS. THIS GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ROUGHING IN ALL SERVICES FOR ALL EQUIPMENT WHETHER PROVIDED BY THIS GENERAL CONTRACTOR OR OTHERS. GENERAL CONTRACTOR SHALL COORDINATE HIS INSTALLATION WITH THE APPROPRIATE EQUIPMENT SUPPLIER FOR PROPER ROUGH IN INFORMATION AND SHALL REVISE THE DESIGN AS REQUIRED TO MATCH THE EQUIPMENT BEING SUPPLIED. THIS GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO CONNECT ALL FIXTURES TO THE PLUMBING SYSTEMS INCLUDING BUT NOT LIMITED TO; ALL WATER OR NATURAL GAS CONNECTIONS FROM APPROPRIATE STOP OR VALVE, ALL DIRECT SANITARY CONNECTIONS, ALL INDIRECT WASTE CONNECTIONS TO FLOOR DRAINS OR SINKS FROM SINKS OR EQUIPMENT, COOLER AND FREEZER COIL CONDENSATE DRAIN PIPING, ETC.
5. FIRE STOPPING - REFER TO ARCHITECTURAL DRAWINGS FOR WALL TYPE AND UL CONSTRUCTION DESIGN NUMBER. FOR RATED MASONRY WALL AND FLOOR ASSEMBLIES, PROVIDE A UL APPROVED THROUGH-PENETRATION FIRE STOP SYSTEM NUMBER C-AJ-1175. FOR RATED GYPSUM BOARD ASSEMBLIES, PROVIDE A UL APPROVED THROUGH-PENETRATION FIRE STOP SYSTEM NUMBER W-L-1003.

B. PIPING

1. PIPE HANGERS FOR THE PLUMBING SYSTEM SHALL BE ADJUSTABLE CLEVIS HANGERS WITH APPROPRIATE CLAMP. ALL PIPING SHALL BE SUPPORTED ON A MAXIMUM SPACING OF:
   a. 6' CENTERS FOR PIPING 3/4" AND SMALLER.
   b. 8' CENTERS FOR 1" PIPING.
   c. 10' CENTERS FOR PIPING LARGER THAN 1"
   d. PIPING ABOVE THE ROOF SHALL BE SUPPORTED PER THE DETAIL ON THE DRAWINGS.
   e. PIPE HANGERS FOR INSULATED PIPING SYSTEMS SHALL BE SIZED FOR THE GROSS OUTSIDE DIMENSION OF THE PIPE AND INSULATION. SEE INSULATION SPECIFICATIONS FOR INSULATION REQUIREMENTS.

C. SANITARY AND VENT

1. ALL PIPING SHALL PITCH TO ITS APPROPRIATE MAIN AT NO LESS THAN 1/4" PER FOOT SLOPE.
2. UNDERGROUND WASTE AND VENT PIPING SHALL BE SCHEDULE 40 DWV-PVC WITH SOLVENT WELD SOCKET FITTINGS UNLESS OTHERWISE RESTRICTED BY LANDLORD OR LOCAL MUNICIPALITIES. PVC SHALL NOT BE USED IN ANY RETURN AIR PLENUM SPACES.
3. ABOVE GROUND WASTE AND VENT PIPING (3" AND LARGER) SHALL BE HUB AND SPIGOT CAST IRON PIPE WITH LEAD AND OAKUM JOINTS AND BE HUNG PER C.I.S.P.I. REQUIREMENTS.

D. DOMESTIC WATER

1. GENERAL CONTRACTOR SHALL COORDINATE WITH THE BUILDING TENANT AND THE LOCAL WATER COMPANY FOR THE INSTALLATION OF A NEW WATER METER. THIS SHALL INCLUDE THE FEES/COSTS AND INSTALLATION OF A NEW WATER METER AS SHOWN ON THE PLANS AND THE ASSOCIATED REMOTE READER. THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL WATER COMPANY. LOCATE REMOTE READER AT BUILDING TENANT'S AND WATER COMPANY'S DIRECTION.
2. TEST WATER PIPING TO HYDROSTATIC PRESSURE OF 100 PSIG. FOR TWO HOURS. STERILIZE ALL DOMESTIC WATER PIPING IN ACCORDANCE WITH A.W.W.A. STANDARDS.
3. ABOVE GROUND WATER PIPING, 3" AND SMALLER, SHALL BE TYPE "L" HARD DRAWN COPPER PIPE WITH WROUGHT COPPER FITTINGS AND 95-5 SOLDERED JOINTS. AS AN ALTERNATE THE GENERAL CONTRACTOR MAY UTILIZE COPPER PRESS FITTINGS (PROPRESS SYSTEM) AS MANUFACTURED BY VIEGA. FITTINGS SHALL CONFORM TO THE MATERIAL AND SIZING REQUIREMENTS OF ASME B16.18 OR ASME B16.22. O-RINGS FOR FITTINGS SHALL BE EDPM. INSTALLATION OF FITTINGS SHALL CONFORM TO CODE AND THE MANUFACTURER'S SPECIFICATIONS/REQUIREMENTS. WATER PIPING JOINTS BETWEEN DIFFERENT MATERIALS SHALL BE PER THE LOCALLY ENFORCED PLUMBING CODE SECTION 605.22.
4. DOMESTIC WATER VALVES SHALL BE MILWAUKEE VALVE #BA-100 OR #BA-150 BALL VALVE. ALL VALVES SHALL BE LEAD-FREE.

2-LC09-P001-REV06

## 1 PLUMBING EQUIPMENT SCHEDULE

GENERAL NOTE: FOLLOW ALL MANUFACTURERS INSTALLATION AND MAINTENANCE INSTRUCTIONS.

| ITEM | MARK | DESCRIPTION | SUPPLIED/ INSTALLED BY | MANUF. | MODEL # / COLOR | REMARKS |
|---|---|---|---|---|---|---|
| SINKS | SK3.1 | ROUND SINK FOR CONTACT LENS with DELTA MANUAL FAUCET | PC / PC | HOUZER OPUS & WHITEHAUS | SINK: HOUZER OPUS 16", SINGLE HOLE<br>ALT SINK: KOHLER BOLERO K-2610-SU<br><br>FAUCET: WHITEHAUS WHS8601-SB-BSS and 0.5 GPM AERATOR<br>ALT FAUCET: MOEN ARLYS 84770 and 0.5 GPM AERATOR | *SELECT 1-HOLE DRILLING CONFIGURATION. GC TO MAKE FINAL CONNECTIONS. INSTALL THERMOSTATIC MIXING VALVE BELOW FIXTURE, CONNECT TO SUPPLY PIPING AT FIXTURE, SET WATER TEMP. @ 110° F USING TMV-1 (WATTS OR EQUAL). |
| | SK7.1 | SINGLE BOWL DROP IN SINK FOR OD CABINET with DELTA MANUAL FAUCET | PC / PC | ELKAY & DELTA | SINK: KOHLER BOLERO K-2610-SU, STRAINER: LK36<br>ALT SINK: HOUZER OPUS 16"<br><br>FAUCET: WHITEHAUS WHS8601-SB-BSS and 0.5 GPM AERATOR<br>ALT FAUCET: MOEN ARLYS 84770 and 0.5 GPM AERATOR | *SELECT 1-HOLE DRILLING CONFIGURATION. G.C. TO MAKE FINAL CONNECTIONS. INSTALL MIXING VALVE BELOW FIXTURE, CONNECT TO SUPPLY PIPING AT FIXTURE, SET WATER TEMP. @ 110° F USING TMV-1 |
| WATER HEATER | WH | STORAGE WATER HEATER. TANK SHALL BE GLASS LINED, 150 PSI WORKING PRESSURE. DRAIN INDIRECTLY TO MOP SINK BELOW. | PC / PC | AO SMITH | #DEL-20, 20 GALLONS, 6.0KW HEATING ELEMENT, 208V/1P<br>COMMERCIAL ELECTRIC WATER HEATER | REFER TO PLUMBING PLAN FOR LOCATION |
| PORTABLE EYE WASH | EW-P | THERE IS NO PLUMBING CONNECTION FOR THIS. IT IS SHOWN ON THE SCHEDULE FOR THE PC TO UNDERSTAND THERE IS NO WORK FOR THEM. | T / T | | | |
| PIPING SUPPORTS | | WATER HAMMER ARRESTORS | PC / PC | WATTS/GRAINGER | #26X567 | ADJUST PRESSURE SETTING FOR 60 PSI |
| FLOOR CLEANOUTS | FCO | REFER TO SHEET P200 | PC / PC | J.R. SMITH | 4000 SERIES | REFER TO PLUMBING PLAN FOR LOCATION |
| WALL CLEANOUTS | WCO | REFER TO SHEET P200 | PC / PC | J.R. SMITH | 4000 SERIES | REFER TO PLUMBING PLAN FOR LOCATION |
| RECIRCULATION PUMP | RP1 | PUMP TO RECIRCULATE HOT WATER RETURN | PC / PC | BELL & GOSSETT | NBF-22U | 92 WATT, 120V, 1 PHASE, 3000 RPM, 4 GPM @ 12 FT WC, WITH AQUASTAT AND UNION. PROVIDE CHECK VALVE AND REQUIRED ACCESSORIES. PUMP TO OPERATE WHEN WATER FLOW IS DETECTED AND SHUT OFF WHEN SETPOINT TEMPERATURE IS REACHED. |
| VALVES | TMV-1 | THERMOSTATIC MIXING VALVE | PC / PC | SYMMONS | C-225-CK "MAXLINE" | CERTIFIED TO MEET ANSI/ASSE 1070 AND LOW LEAD REQUIREMENTS OF WETTED SURFACE AREA CONTAINING LESS THAN .25% LEAD BY WEIGHT |
| DOMESTIC WATER EXPANSION TANK | ET | IN-LINE THERMAL ABSORBER, 0.9 GALLON MAXIMUM ACCEPTANCE VOLUME. | PC / PC | WATTS | ST-5 | PROVIDE HANGING SUPPORT INDEPENDENT OF WATER OR OTHER SERVICE PIPING. |

1-LC09-P001-REV06

## 3 RESPONSIBILITY SCHEDULE (PLUMBING)

T= TENANT
GC= GENERAL CONTRACTOR
LL= LANDLORD
MW= MILLWORKER
N/A= NOT APPLICABLE

| DIVISION 15000 - PLUMBING | SUP | INS | INTS | EXCL | P & M | RELO | REMARKS |
|---|---|---|---|---|---|---|---|
| ACCESS PANELS | GC | GC | GC | | | | COORDINATE WITH ARCHITECT FOR SIZE AND LOCATION. |
| ROOF WORK | GC | GC | GC | | | | GC TO COORD. W/ LANDLORD WHEN REQUIRED |
| PLUMBING FIXTURES | GC | GC | GC | | | | PROVIDE NEW. SEE PLUMBING DRAWINGS P100, P200, & P210 FOR SCOPE OF WORK |
| OD SINKS, DRAINS, FAUCETS | GC | GC | GC | | | | GC TO MAKE FINAL CONNECTIONS. |
| FLOOR DRAINS / PIPING / SUPPORTS | GC | GC | GC | | | | PROVIDE NEW. SEE PLUMBING DRAWINGS P200 & P210 FOR SCOPE OF WORK |
| WATER AND SEWER CONNECTION | GC | GC | GC | ● | | | SEE PLUMBING DRAWINGS P100, P200, & P210 FOR SCOPE OF WORK |
| WATER HEATER | GC | GC | GC | | | | PROVIDE NEW. SEE PLUMBING DRAWING P200 FOR SCOPE OF WORK |
| WATER METER | GC | GC | GC | ● | | | EXISTING TO REMAIN. |
| GAS METER | N/A | N/A | N/A | N/A | | | NEW GAS METER BY GAS COMPANY. |
| GAS PIPING AND SUPPORTS | N/A | N/A | N/A | N/A | | | SEE PLUMBING DRAWINGS P100, P200, & P210 FOR SCOPE OF WORK |
| WATER COOLER AND/OR DRINKING FOUNTAIN | GC | GC | GC | | | | |
| CAMERA / VIDEO OF EXISTING SANITARY LINES | GC | GC | GC | | | | FOOTAGE TO BE SENT TO LUXOTTICA P.M. AT START OF JOB AND UPON COMPLETION OF JOB. |

3-LC09-P001-REV05

DESIGN & CONSTRUCTION MANAGEMENT:


**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


STORE 518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Coolsys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: 14

EssilorLuxottica Project Number 101399

Brand Design Type: LC09

ISSUED FOR:

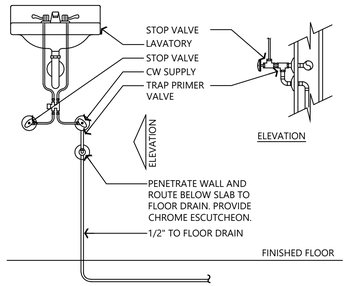
| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name: PLUMBING GENERAL NOTES & DETAILS

Date 05/01/2026
Drawn By ML
Checked By SW

Sheet No.: P001

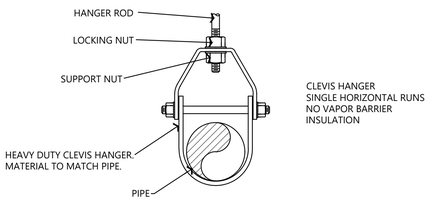
## 1 TRAP PRIMER DETAIL




**PD200**

PD200-LC09-P010-REV04

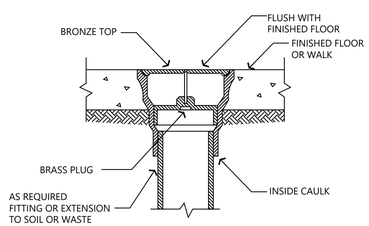
## 2 UNINSULATED PIPE SUPPORT DETAIL




**PD202**

PD202-LC09-P010-REV04

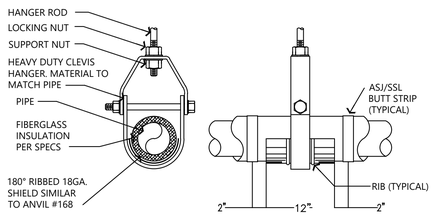
## 3 TYPICAL FLOOR CLEAN OUT DETAIL




**PD203**

PD203-LC09-P010-REV04

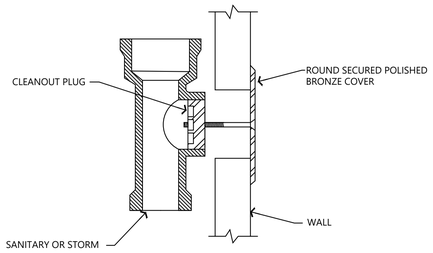
## 4 INSULATED PIPE SUPPORT DETAIL




**PD204**

PD204-LC09-P010-REV04

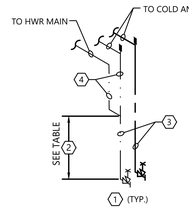
## 5 WALL CLEAN OUT DETAIL




**PD205**

PD205-LC09-P010-REV04

## 6 HOT WATER SUPPLY PIPING AT POINT OF USE




| MAXIMUM HW BRANCH PIPE LENGTHS | | |
|---|---|---|
| DISTANCE IS TO BE MEASURED FROM THE POINT AT WHICH THE SUPPLY PIPING CONNECTS TO THE HOT WATER MAIN TO THE FIXTURE. | | |
| | DISTANCE SHOWN - NOTE 2 | |
| PIPE DIAMETER | PUBLIC LAVS | OTHER FIXTURES |
| 1/2" | 2 FT | 43 FT |
| 3/4" | 0.5 FT | 21 FT |

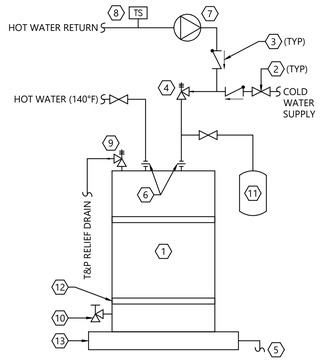
### NOTES

1. HOT WATER PIPING SHOWN ON FLOOR PLANS AND ISOMETRIC IS SHOWN FOR PLAN CLARITY. HOT WATER PIPING SHALL LOOP DOWN INTO WALL AS SHOWN.
2. SEE TABLE FOR MAXIMUM ALLOWED DISTANCE OF PIPING FROM HOT WATER MAIN TO FIXTURE.
3. PIPE SIZE TO FIXTURE PER PLANS.
4. PIPE SIZE FOR HOT WATER DISTRIBUTION PIPING PER PLANS.

**PD207**

PD207-LC09-P010-REV04

## 7 WATER HEATER PIPING DETAIL

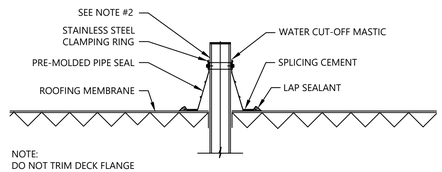



| WH DETAIL NOTES | |
|---|---|
| 1. | WATER HEATER |
| 2. | SHUT-OFF VALVE (BALL VALVE) |
| 3. | CHECK VALVE |
| 4. | VACUUM BREAKER |
| 5. | EXTEND FULL SIZED COPPER DRAIN LINE TO EXISTING HUB DRAIN. |
| 6. | DIELECTRIC UNION |
| 7. | HW RECIRCULATING PUMP |
| 8. | AQUASTAT (SET AT 105°F) |
| 9. | T&P RELIEF VALVE - PIPE COPPER DISCHARGE PIPING TO APPROVED RECEPTOR |
| 10. | DRAIN VALVE |
| 11. | EXPANSION TANK (ET) |
| 12. | WATER HEATER SHALL BE ANCHORED OR STRAPPED TO WALL TO PREVENT MOVEMENT (CPC 508.2) |
| 13. | GALVANIZED SHEET METAL OVERFLOW PAN. (MINIMUM 2" DEEP) PROVIDE SILICON SEALER BETWEEN STAND AND EDGE OF PAN. |

**PD209**

PD209-LC09-P010-REV04

## 8 PIPE THROUGH ROOF DETAIL




### DETAIL NOTES

1. PRE-MOLDED PIPE SEAL CANNOT BE CUT VERTICALLY TO BE INSTALLED.
2. PRE-MOLDED PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE REGARDLESS OF PIPE DIAMETER.
3. WHEN PREFABRICATED PIPE SEAL CANNOT BE INSTALLED, USE FIELD FABRICATED PIPE SEAL. SEE ALTERNATE PIPE FLASHING DETAIL.
4. FOR BALLAST SYSTEMS, REPLACE BALLAST AFTER WORK IS COMPLETED.
5. FLANGE SHALL BE SET BY ROOFER. COORDINATE WITH ROOFING CONTRACTOR.
6. VENTS SHALL BE A MINIMUM OF 15'-0" FROM AIR INTAKES.

**PD210**

PD210-LC09-P010-REV04

DESIGN & CONSTRUCTION MANAGEMENT:


**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

**Architect / Engineer of Record**


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Coolsys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


**Seal**

**Architect / Engineer Job No.:** RT2025-0218

**EssilorLuxottica DD Set Layout No.:** 14

**EssilorLuxottica Project Number** 101399

**Brand Design Type:** LC09

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

**Sheet Name:** PLUMBING DETAILS

**Date** 05/01/2026
**Drawn By** ML
**Checked By** SW

**Sheet No.:** P010

## C GENERAL ISOMETRIC NOTES

A. PROVIDE WATER HAMMER ARRESTORS AT ALL TOILETS, LAVATORIES, AND OTHER EQUIPMENT WITH FAST CLOSING VALVES. IN ADDITION TO ANY CODE REQUIRED ISOLATION VALVES, INCLUDE TEN BALL VALVES TO BE LOCATED WITH OWNER DURING WALK THROUGH OF PROJECT.

C-LC09-P020-REV04

## B KEY NOTES - SANITARY & VENT

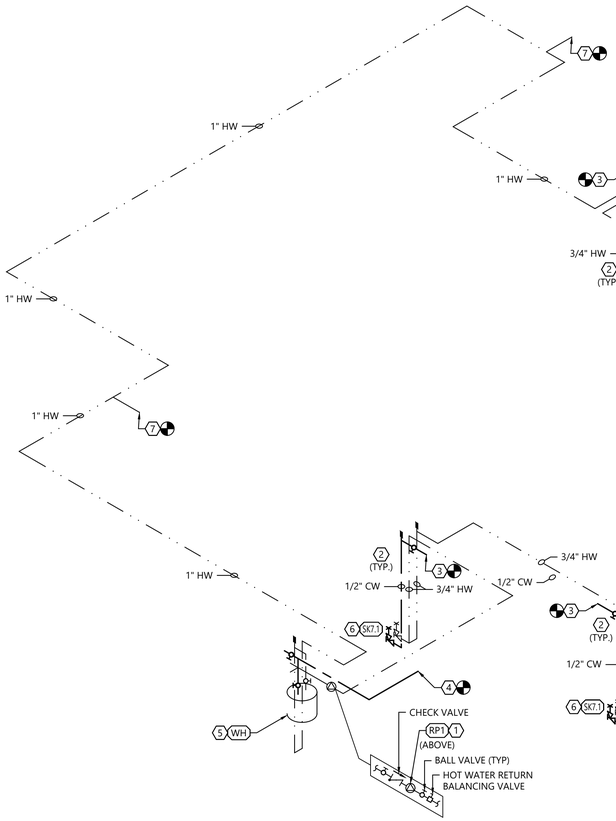
1. ROUTE ALL PLUMBING PIPING CONCEALED.
2. CONNECT NEW 1-1/2" VENT TO EXISTING VENT PIPING NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.
3. CONNECT NEW 3" SANITARY PIPING TO EXISTING SANITARY PIPING NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.

B-LC09-P020-REV04

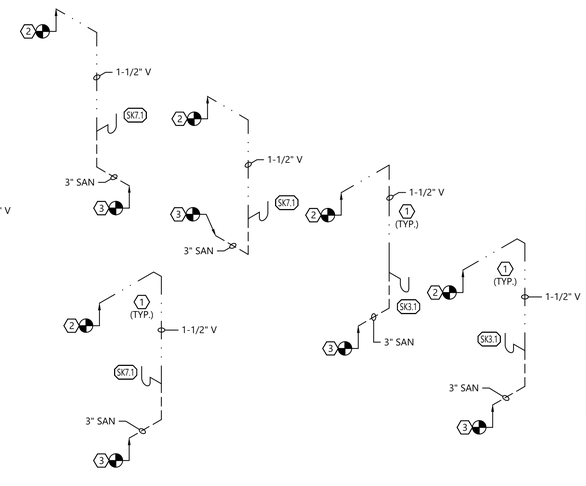
## A KEY NOTES - SUPPLY

1. INSTALL CHECK VALVE, ISOLATION VALVES AND WATER RECIRC. PUMP ABOVE CEILING AND ADJACENT TO THE WATER HEATER, CONCEALED AS MUCH AS POSSIBLE.
2. ROUTE ALL PLUMBING PIPING CONCEALED.
3. CONNECT NEW 1/2" COLD WATER PIPING TO EXISTING COLD WATER PIPING NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.
4. CONNECT NEW 1" COLD WATER PIPING TO EXISTING COLD WATER PIPING NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.
5. NEW ELECTRIC WATER HEATER LOCATED ABOVE CEILING ON PLATFORM. PROVIDE NEW HOT WATER PIPING TO FIXTURES. SEE DETAIL PD209 ON DRAWING P010. SEE WATER HEATER PLATFORM DETAILS ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
6. PROVIDE NEW HOT AND COLD SHUTOFF VALVES AT EACH FIXTURE.
7. CONNECT NEW 1/2" HOT WATER PIPING TO EXISTING COLD WATER PIPING IN WALL NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.

A-LC09-P020-REV04




1 PLUMBING - SUPPLY ISOMETRIC
SCALE: NONE




2 PLUMBING - SANITARY & VENT ISOMETRIC
SCALE: NONE

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record
NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: 14

EssilorLuxottica Project Number 101399

Brand Design Type: LC09

ISSUED FOR:

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:

PLUMBING ISOMETRICS

Date 05/01/2026
Drawn By ML
Checked By SW

Sheet No.: P020

## B KEY NOTES - DEMOLITION

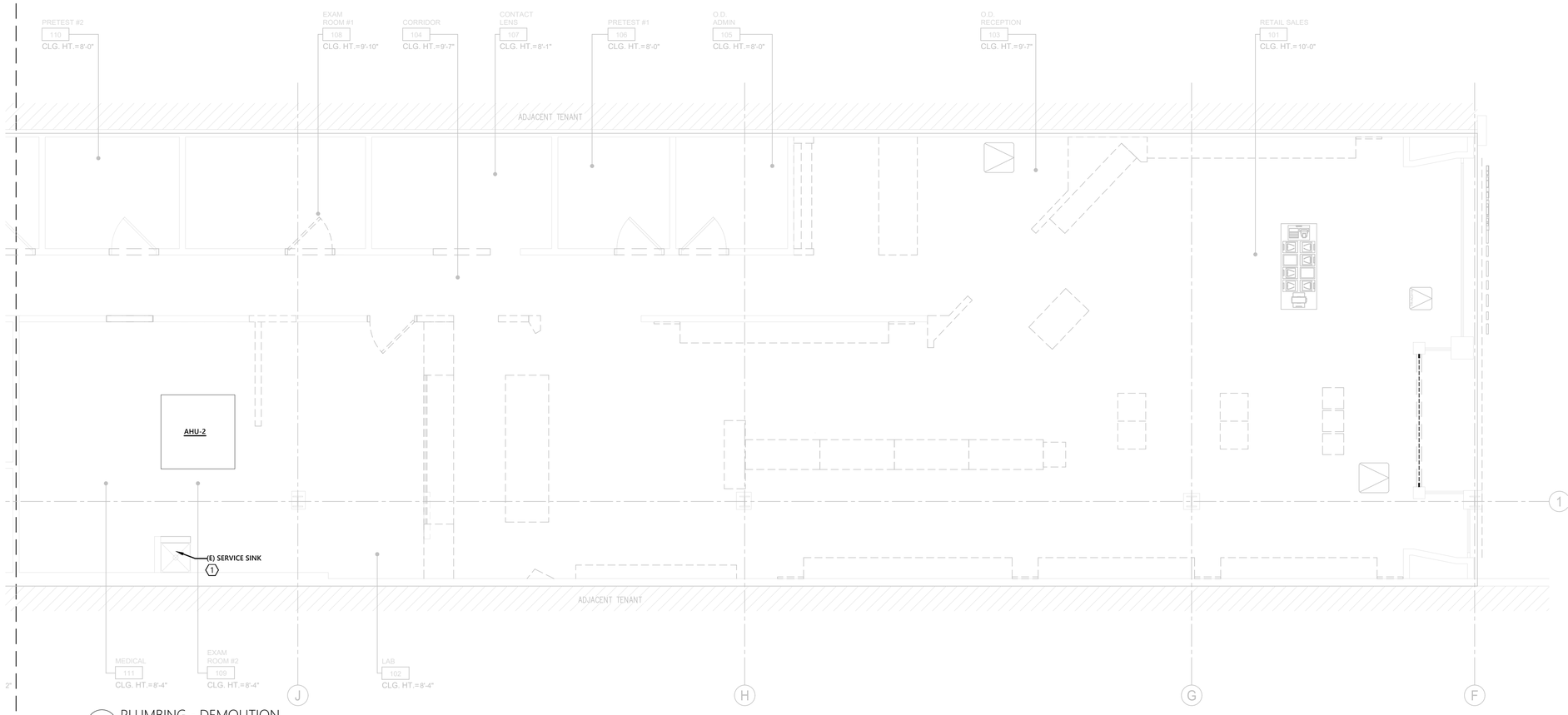
A. ALL PLUMBING LINES (SANITARY AND SEWER) TO BE VIDEO RECORDED FOR ANY BLOCKAGE PRIOR TO CONSTRUCTION START. G.C. TO SEND VIDEO FOOTAGE TO ESSILOR LUXOTTICA P.M.
B. COORDINATE ANY SYSTEM SHUTDOWNS WITH LANDLORD AND INCLUDE COSTS OF SHUTDOWN IN THE BID.

B-LC09-P100-REV04

## A KEY NOTES - DEMOLITION

1. APPROXIMATE LOCATION OF EXISTING MOP SINK TO REMAIN.

A-LC09-P100-REV04




E | MATCH LINE

1 PLUMBING - DEMOLITION

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

DESIGN & CONSTRUCTION MANAGEMENT:


EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

EssilorLuxottica Project Number 101399

Brand Design Type:
LC09

ISSUED FOR:

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:
PLUMBING DEMOLITION PLAN

Date 05/01/2026
Drawn By ML
Checked By SW

Sheet No.:
P100a

## B KEY NOTES - DEMOLITION

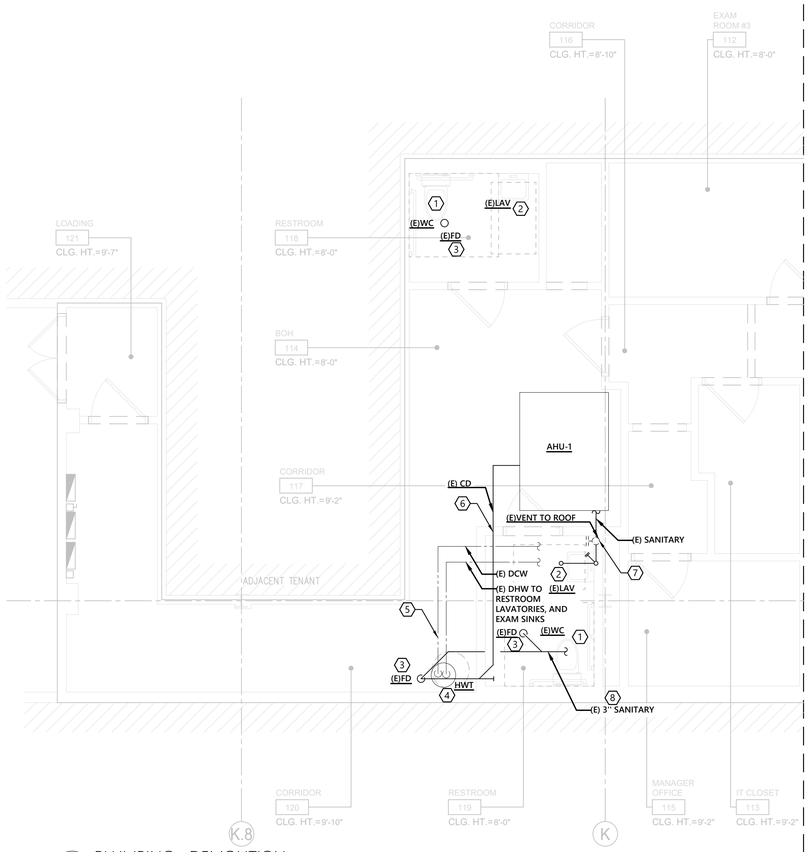
A. ALL PLUMBING LINES (SANITARY AND SEWER) TO BE VIDEO RECORDED FOR ANY BLOCKAGE PRIOR TO CONSTRUCTION START. G.C. TO SEND VIDEO FOOTAGE TO ESSILOR LUXOTTICA P.M.
B. COORDINATE ANY SYSTEM SHUTDOWNS WITH LANDLORD AND INCLUDE COSTS OF SHUTDOWN IN THE BID.

B-LC09-P100-REV04

## A KEY NOTES - DEMOLITION

1. APPROXIMATE LOCATION OF EXISTING TOILET TO REMAIN.
2. APPROXIMATE LOCATION OF EXISTING LAVATORY TO REMAIN.
3. APPROXIMATE LOCATION OF EXISTING FLOOR DRAIN TO REMAIN.
4. APPROXIMATE LOCATION OF EXISTING WATER HEATER AND ASSOCIATED PIPING TO BE REMOVED.
5. APPROXIMATE LOCATION OF EXISTING COLD AND HOT WATER LINES TO BE REMOVED.
6. APPROXIMATE LOCATION OF EXISTING CONDENSATE PIPE TO REMAIN.
7. APPROXIMATE LOCATION OF EXISTING VTR TO REMAIN.
8. APPROXIMATE LOCATION OF EXISTING SEWER PIPE TO REMAIN. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.

A-LC09-P100-REV04




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

DESIGN & CONSTRUCTION MANAGEMENT:


EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

ISSUED FOR:

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:
PLUMBING DEMOLITION PLAN

Date 05/01/2026
Drawn By ML
Checked By SW
Sheet No.: P100b

## F PLUMBING SYMBOLS

(ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

- ELBOW UP
- ELBOW DOWN
- VALVE IN DROP
- TEE OUTLET UP
- TEE OUTLET DOWN
- UNION
- BALL VALVE
- PIPE BREAK
- CHECK VALVE
- CAP
- WALL CLEANOUT
- FLOOR CLEANOUT
- P-TRAP
- FLOOR DRAIN
- TRAP PRIMER
- CONNECT TO EXISTING
- KEYED NOTE (#)
- EQUIPMENT TAG (XX / XX)
- WATER METER
- CIRCULATION PUMP
- SANITARY PIPING (SAN)
- VENT PIPING (V)
- COLD WATER PIPING (CW)
- HOT WATER PIPING (HW)
- NATURAL GAS PIPING (G)
- EXISTING SANITARY PIPING (EX SAN)
- EXISTING VENT PIPING (EX V)
- EXISTING COLD WATER PIPING (EX CW)
- EXISTING HOT WATER PIPING (EX HW)
- EXISTING NATURAL GAS PIPING (EX G)
- REMOVE EXISTING SANITARY PIPING (RX SAN)
- REMOVE EXISTING VENT PIPING (RX V)
- REMOVE EXISTING COLD WATER PIPING (RX CW)
- REMOVE EXISTING HOT WATER PIPING (RX HW)
- REMOVE EXISTING NATURAL GAS PIPING (RX G)

A-LC09-P200-REV06

## D PLUMBING FIXTURE CONNECTION SCHEDULE

| FIXTURE | DRAIN | HOT | COLD | VENT | DFU | SFU | GPM | PRESS. REQ. |
|---|---|---|---|---|---|---|---|---|
| SINK (SK3.1) (SK7.1) | 1 1/2" | 1/2" | 1/2" | 1-1/2" | 2.0 | 1.4 | 1.75 | 8 |
| MOP SINK (MS) | 1 1/2" | 1/2" | 1/2" | 1-1/2" | 2.0 | 3.0 | 3.0 | 8 |
| WATER CLOSET (WC-1) (WC-2) (WC-3) (WC-4) | 4" | - | 1/2" | 2" | 4.0 | 5.0 | 3.0 | 20 |
| LAVATORY (SK9) (SK10) (SK12) | 1 1/4" | 1/2" | 1/2" | 1-1/4" | 1.0 | 2.0 | 0.4 | 8 |
| FLOOR DRAIN (FD1) | 2" | - | - | 1-1/2" | 2.0 | - | - | - |
| FLOOR CLEAN OUT (FCO) | PIPE SIZE | - | - | - | - | - | - | - |
| WALL CLEAN OUT (WCO) | PIPE SIZE | - | - | - | - | - | - | - |
| ELECTRIC WATER HEATER (WH) | - | 3/4" | 3/4" | - | - | - | - | - |
| ELECTRIC WATER COOLER (EWC3) | 1 1/4" | - | 1/2" | 1-1/4" | 0.5 | 0.25 | 0.75 | 8 |

NOTE: (SK3.1 AND SK7.1) CONTRACTOR WILL BE REQUIRED TO FURNISH ALL LABOR, PIPING MATERIALS AND APPURTENANCES NECESSARY TO COMPLETE INSTALLATION OF SINKS, FAUCETS AND DRAINS.

BASED ON IPC 2024

B-LC09-P100-REV06

## E STANDARD P.D.I. WH 201 WATER HAMMER ARRESTOR SCHEDULE

| P.D.I. UNITS | AA | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|
| FIXTURE UNITS | 1-3 | 4-11 | 12-32 | 33-60 | 61-113 | 114-154 | 155-330 |

F-LC09-P100-REV05

## B PLUMBING CALCULATIONS

| PLUMBING FIXTURE | QTY. | SAN F.U. EACH | SAN F.U. TOTAL | C.W F.U. EACH | WTR. DMD. TOTAL |
|---|---|---|---|---|---|
| WATER CLOSET - EXISTING | 2 | 4.0 | 8.0 | 5.0 | 10.0 |
| LAVATORY - EXISTING | 2 | 1.0 | 2.0 | 2.0 | 4.0 |
| MOP SINK - MS | 1 | 2.0 | 2.0 | 3.0 | 3.0 |
| FLOOR DRAIN - FD1 | 0 | 2.0 | 0.0 | 0.0 | 0.0 |
| SINK - SK3.1, SK7.1 | 6 | 2.0 | 12.0 | 1.4 | 8.4 |
| ELECTRIC WATER COOLER - EWC3 | 0 | 0.5 | 0.0 | 0.25 | 0.0 |
| WATER DISPENSER IN BOH | 1 | 0.0 | 0.0 | 0.25 | 0.25 |
| TOTALS | | | 24.0 | | 25.65 |
| SERVICE CONNECTION SIZE | | SAN: | 3" | WATER: | 1" |

C-LC09-P100-REV06

## C GENERAL PLUMBING NOTES

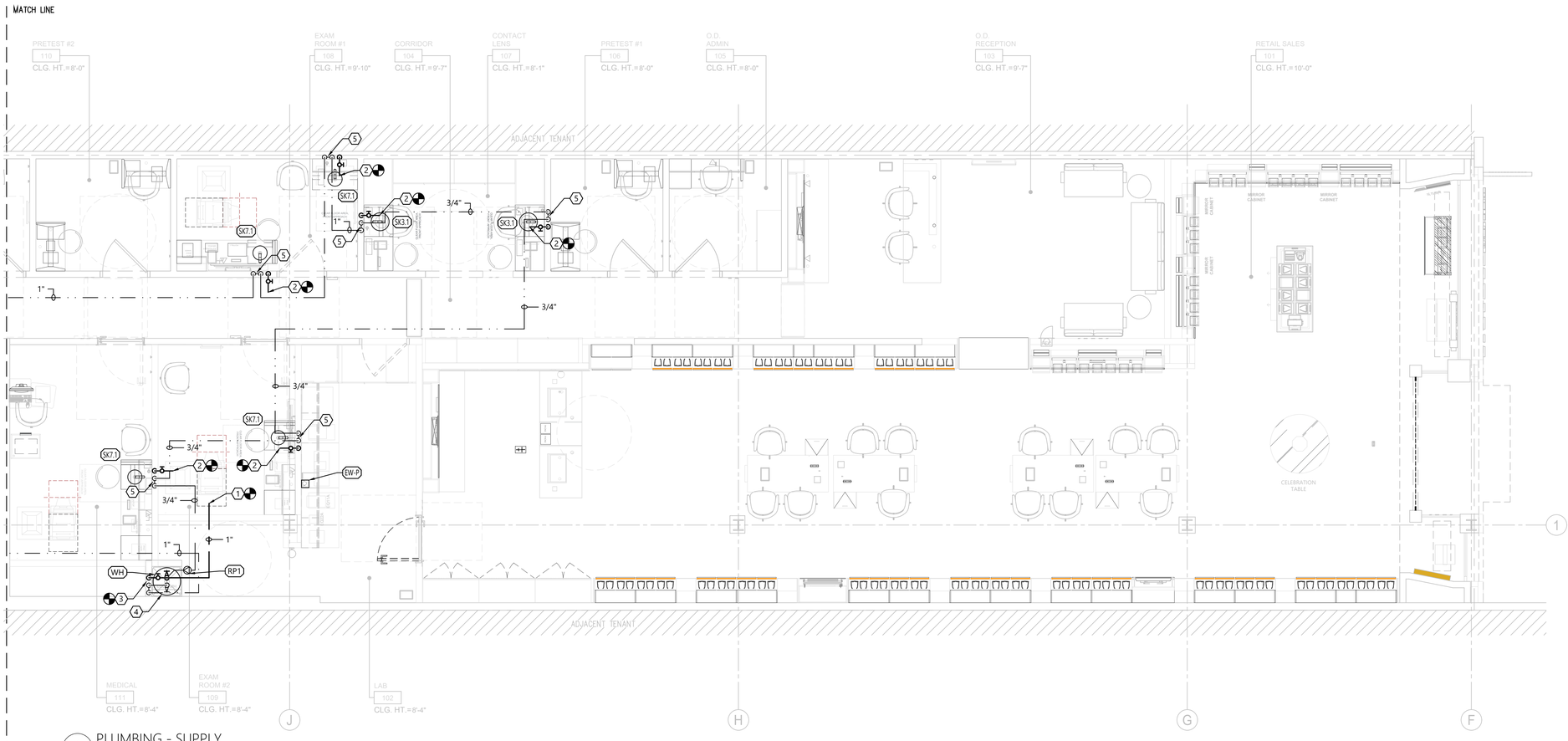
A. ALL PLUMBINGS LINES (SANITARY AND SEWER) TO BE VIDEO RECORDED FOR ANY BLOCKAGE PRIOR TO CONSTRUCTION START. G.C. TO SEND VIDEO FOOTAGE TO ESSILOR LUXOTTICA P.M.
B. AT END OF CONSTRUCTION, ALL PLUMBING LINES (SANITARY AND SEWER) TO BE VIDEO RECORDED FOR ANY BLOCKAGE. UPON CONSTRUCTION COMPLETION, G.C. TO SEND VIDEO FOOTAGE TO ESSILOR LUXOTTICA P.M.
C. GAS PIPING SIZED FOR 250 CFH AT 156 LINEAR FEET OF PIPE AT 0.5 IN. W.C. PRESSURE LOSS.

E-LC09-P100-REV05

## A KEY NOTES - SUPPLY

1. CONNECT NEW 1" COLD WATER PIPING TO EXISTING COLD WATER PIPING NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.
2. CONNECT NEW 1/2" COLD WATER PIPING TO EXISTING COLD WATER PIPING NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.
3. CONNECT NEW 3/4" COLD AND HOT WATER PIPING TO EXISTING COLD AND HOT ABOVE CEILING SERVING THE MOP SINK.
4. NEW WATER HEATER INSTALLED ABOVE CEILING ON PLATFORM. SEE DETAIL PD209 ON DRAWING P010. SEE WATER HEATER PLATFORM DETAILS ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
5. 3/4" HOT WATER PIPING DOWN IN WALL TO SERVE SINK. PIPING MUST BE WITHIN 2 FEET OF FIXTURE. 3/4" HOT WATER PIPING UP TO ABOVE CEILING. SEE DETAIL PD207 ON DRAWING P010.

D-LC09-P100-REV06




MATCH LINE 1 PLUMBING - SUPPLY

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


DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LensCrafters
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:

PLUMBING PLAN

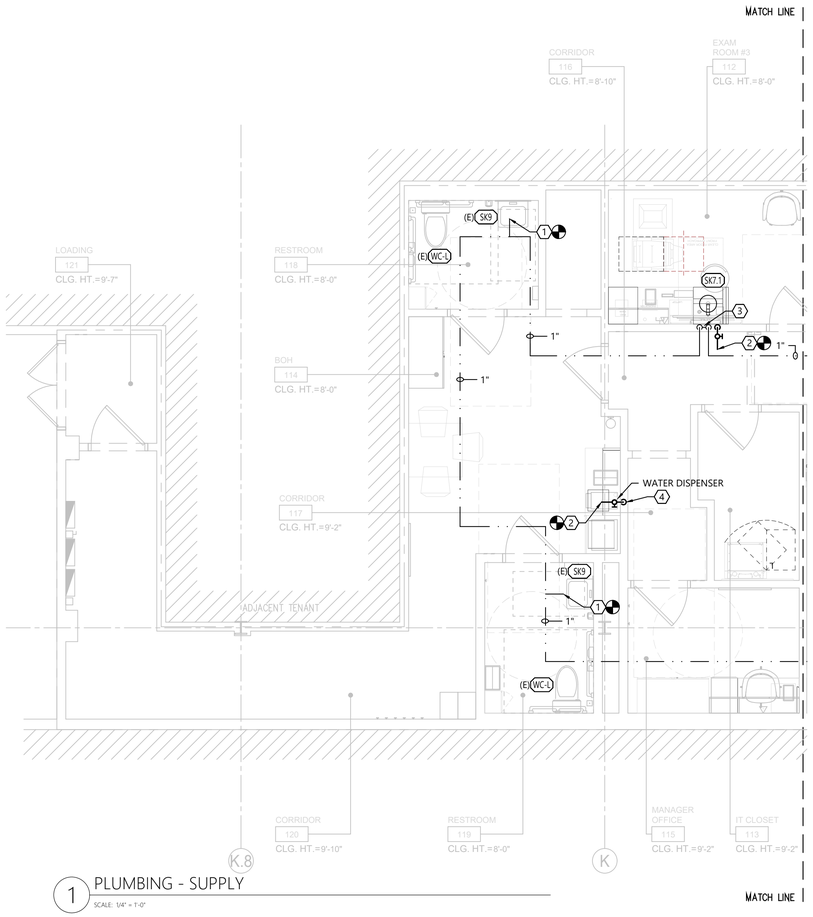
Date 05/01/2026
Drawn By ML
Checked By SW

Sheet No.:
P200a

| A | KEY NOTES - SUPPLY |
|---|---|

1. CONNECT NEW 1/2" HOT WATER PIPING TO EXISTING COLD WATER PIPING NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.
2. CONNECT NEW 1/2" COLD WATER PIPING TO EXISTING COLD WATER PIPING NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.
3. 3/4" HOT WATER PIPING DOWN IN WALL TO SERVE SINK. PIPING MUST BE WITHIN 2 FEET OF FIXTURE. 3/4" HOT WATER PIPING UP TO ABOVE CEILING. SEE DETAIL PD207 ON DRAWING P010.
4. ROUTE 1/2" COLD WATER PIPING DOWN IN WALL TO SERVE WATER DISPENSER. CONNECTION POINT TO COME OUT BELOW COUNTER HEIGHT. FURNISH AND INSTALL WALL BOX FOR WATER DISPENSER HOOKUP. WALL BOX SHALL BE EQUAL TO OATEY MODA ICE MAKER SUPPLY BOX.

D-LC09-P100-REV06




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

DESIGN & CONSTRUCTION MANAGEMENT:


EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


Architect / Engineer of Record
NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: 14

EssilorLuxottica Project Number: 101399

Brand Design Type: LC09

ISSUED FOR:

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name: PLUMBING PLAN

Date: 05/01/2026
Drawn By: ML
Checked By: SW

Sheet No.: P200b

## A KEY NOTES - SANITARY & VENT

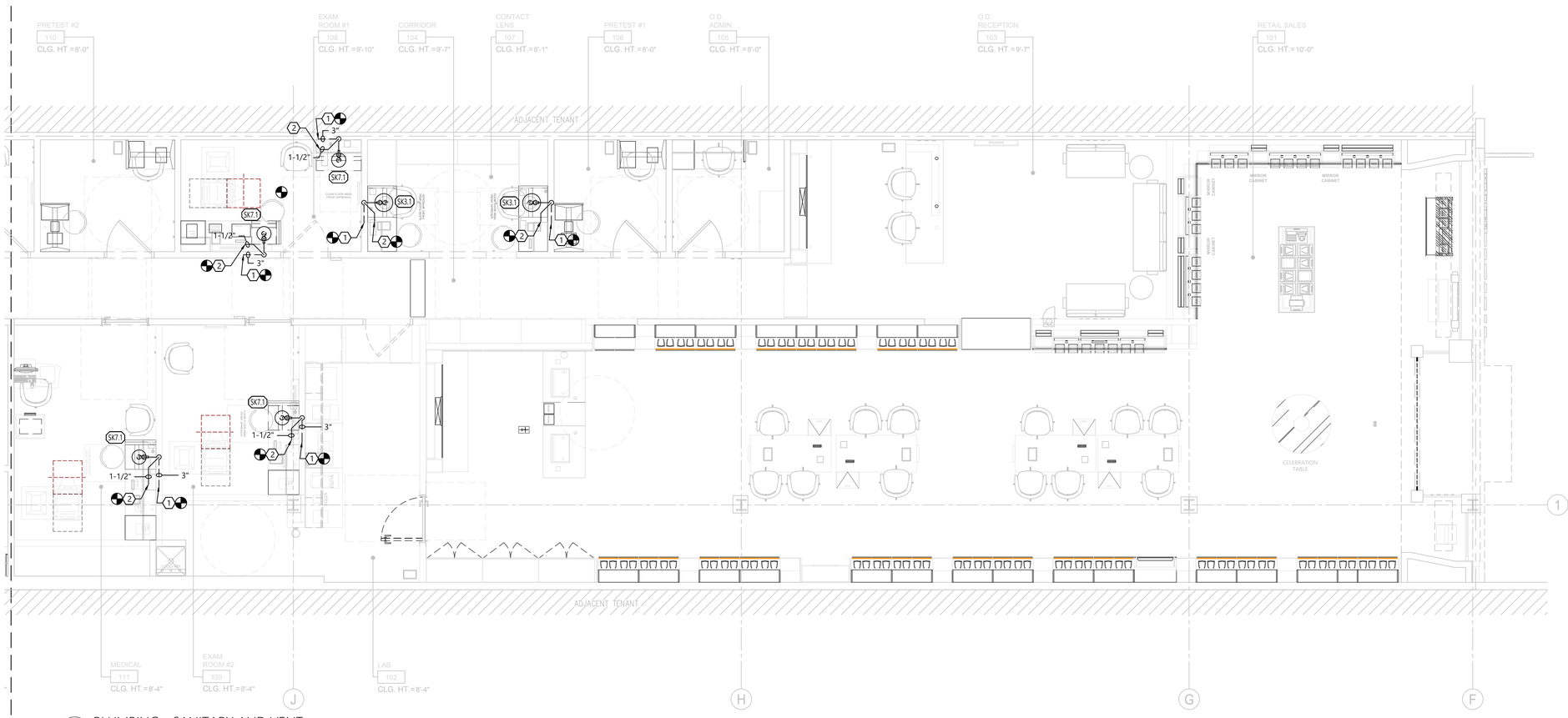
1. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING SEWER PIPE. INSTALL NEW SEWER PIPE AND ROUTE AND CONNECT TO EXISTING SEWER PIPE.
2. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING VENT PIPE. INSTALL NEW VENT PIPE AND ROUTE AND CONNECT TO EXISTING VENT PIPE.
3. NOT USED.
4. NOT USED.
5. NOT USED.

A-LC09-P210-REV05

## B GENERAL PLUMBING NOTES

A. ALL PLUMBINGS LINES (SANITARY AND SEWER) TO BE VIDEO RECORDED FOR ANY BLOCKAGE PRIOR TO CONSTRUCTION START. G.C. TO SEND VIDEO FOOTAGE TO ESSILOR LUXOTTICA P.M.
B. AT END OF CONSTRUCTION, ALL PLUMBING LINES (SANITARY AND SEWER) TO BE VIDEO RECORDED FOR ANY BLOCKAGE. UPON CONSTRUCTION COMPLETION, G.C. TO SEND VIDEO FOOTAGE TO ESSILOR LUXOTTICA P.M.

B-LC09-P210-REV05




MATCH LINE 1 PLUMBING - SANITARY AND VENT

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

DESIGN & CONSTRUCTION MANAGEMENT:


EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Coolsys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.cooklyenergydesign.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:

PLUMBING PLAN

Date 05/01/2026
Drawn By ML
Checked By SW

Sheet No.: P210a

## A KEY NOTES - SANITARY & VENT

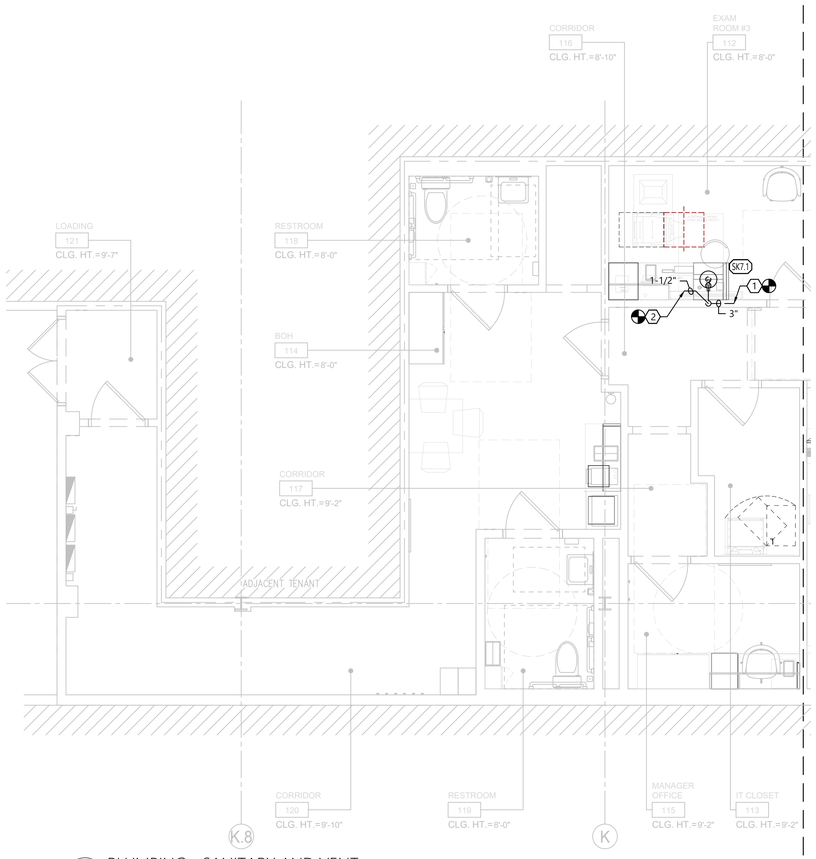
1. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING SEWER PIPE. INSTALL NEW SEWER PIPE AND ROUTE AND CONNECT TO EXISTING SEWER PIPE.
2. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING VENT PIPE. INSTALL NEW VENT PIPE AND ROUTE AND CONNECT TO EXISTING VENT PIPE.
3. NOT USED.
4. NOT USED.
5. NOT USED.

A-LC09-P210-REV05

## B GENERAL PLUMBING NOTES

A. ALL PLUMBINGS LINES (SANITARY AND SEWER) TO BE VIDEO RECORDED FOR ANY BLOCKAGE PRIOR TO CONSTRUCTION START. G.C. TO SEND VIDEO FOOTAGE TO ESSILOR LUXOTTICA P.M.
B. AT END OF CONSTRUCTION, ALL PLUMBING LINES (SANITARY AND SEWER) TO BE VIDEO RECORDED FOR ANY BLOCKAGE. UPON CONSTRUCTION COMPLETION, G.C. TO SEND VIDEO FOOTAGE TO ESSILOR LUXOTTICA P.M.

B-LC09-P210-REV05




1 PLUMBING - SANITARY AND VENT
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:

PLUMBING PLAN

Date 05/01/2026
Drawn By ML
Checked By SW

Sheet No.:
P210b

# D ELECTRICAL SPECIFICATIONS

DIVISION 16000 - ELECTRICAL

PART I - GENERAL

A. GENERAL CONDITIONS, CODES & STANDARDS
1. SEE ELECTRICAL PLANS / DETAILS / RESPONSIBILITY SCHEDULE FOR FURTHER INFORMATION.
2. ALL WORK SHOWN ON THE ELECTRICAL DOCUMENTS IS TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
3. ALL WORK TO MEET APPLICABLE CODES AS LOCALLY ENFORCED. NO WORK ON THE DRAWINGS IS TO BE INSTALLED WHERE IT CONFLICTS WITH LOCAL CODE ENFORCEMENT. COORDINATE WITH THE LOCAL INSPECTOR PRIOR TO INSTALLATION.
4. ELECTRICAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS AND INSPECTIONS REQUIRED TO PROCEED WITH THE WORK. THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS WHERE APPLICABLE.
5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND TOOLS NECESSARY TO COMPLETE THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN.
6. TEMPORARY ELECTRICAL SERVICE, LIGHTING, AND RELATED WIRING SHALL BE PROVIDED TO O.S.H.A. REQUIREMENTS FOR THE USE OF ALL TRADES DURING CONSTRUCTION.
7. MATERIALS: ALL MATERIALS USED ON THIS PROJECT SHALL BE U.L. LISTED, OR LISTED BY AN EQUIVALENT ORGANIZATION AND SHALL BE APPROVED FOR THE USE THAT THE MATERIAL OR DEVICE IS TO BE INSTALLED. MATERIALS SHALL BE NEW AND OF GOOD QUALITY AND INSTALLATION WORKMANSHIP SHALL CONFORM TO THE HIGHEST STANDARD FOR THEIR TRADE.
8. SHOP DRAWINGS. PROVIDE ELECTRONIC P.D.F. COPY TO THE ESSILOR LUXOTTICA PROJECT MANAGER FOR DISCONNECTS, PANEL-BOARDS, AND TRANSFORMERS. PROVIDE PRIOR TO ORDERING EQUIPMENT.

B. SCOPE OF WORK
1. ONLY MAJOR EQUIPMENT IS SHOWN ON THE DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL BID AND CONSTRUCT A COMPLETE AND OPERATIONAL SYSTEM. MISCELLANEOUS EQUIPMENT REQUIRED TO COMPLETE THE WORK IS IN THE ELECTRICAL CONTRACTOR'S SCOPE - ASSUME NO WORK OR EQUIPMENT IS PROVIDED BY OTHERS UNLESS STATED AS SUCH.

C. DURING BIDDING:
1.1. VERIFY THE EXISTING CONDITIONS AND COMPENSATE FOR ANY VARIATIONS IN THE SCOPE AS A RESULT.
1.2. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL BE FAMILIAR WITH THE LIMITS OF DEMOLITION REQUIRED FOR ALL TRADES. COORDINATE DEMOLITION WITH REQUIREMENTS OF NEW CONSTRUCTION PRIOR TO INITIATING WORK.
1.3. WHERE THERE IS A CONFLICT THAT CANNOT BE RESOLVED BY THE GENERAL CONTRACTOR, ADVISE ENGINEER PROMPTLY FOR A RESOLUTION. DO NOT PROVIDE WORK WHEN THERE IS UNCERTAINTY ON WHAT WORK IS TO BE PERFORMED.
2. AS PART OF THE BIDDING PROCESS, REPORT TO THE TENANT ANY ERRORS OR UNCLEAR DIRECTIONS THAT YOU HAVE IDENTIFIED.

C. DOCUMENTS

1. SUBSTITUTIONS
1.1. THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THE CONTRACT DOCUMENTS ARE FOR THE PURPOSE OF DESCRIPTION AND TO ESTABLISH A BASE LEVEL OF QUALITY. THE GENERAL CONTRACTOR'S BID WILL CONTEMPLATE THE USE OF THE EQUIPMENT AND MATERIALS EQUIVALENT TO THOSE INDICATED.
2. MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS.

D. CONSTRUCTION COORDINATION

1. DURING BIDDING YOU VISITED THE SITE. WORK WITH THE GENERAL CONTRACTOR TO COORDINATE ANY CONFLICTS WITH EXISTING CONDITIONS. THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE TENANT.
2. GENERAL CONTRACTOR SHALL LOCATE, IDENTIFY AND PROTECT ANY EXISTING SERVICES WHICH ARE REQUIRED TO BE MAINTAINED OPERATIONAL AND SHALL EXERCISE EXTRA CAUTION IN THE PERFORMANCE OF ALL WORK TO AVOID DISTURBING SUCH FACILITIES. ALL COSTS FOR REPAIR OF DAMAGES TO SUCH SERVICES SHALL BE PAID BY THE GENERAL CONTRACTOR CAUSING THE DAMAGE.
3. ELECTRICAL CONTRACTOR TO COORDINATE ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS WITH THE MECHANICAL CONTRACTOR OR LANDLORD (WHOMEVER IS PROVIDING THIS EQUIPMENT). VERIFY FINAL LOCATION, VOLTAGE, PHASE, LOAD, AND DISCONNECTING MEANS. COORDINATE THIS PRIOR TO THE START OF CONSTRUCTION AND ORDERING OF MATERIAL. PROVIDE PER COORDINATION EFFORTS.
4. ELECTRICAL CONTRACTOR TO COORDINATE ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS WITH THE PLUMBING CONTRACTOR OR LANDLORD (WHOMEVER IS PROVIDING THIS EQUIPMENT). VERIFY FINAL LOCATION, VOLTAGE, PHASE, LOAD, AND DISCONNECTING MEANS. COORDINATE THIS PRIOR TO THE START OF CONSTRUCTION AND ORDERING OF MATERIAL. PROVIDE PER COORDINATION EFFORTS.

PART 2 - PRODUCTS

A. WIRING DEVICES
1. DUPLEX RECEPTACLES SHALL BE GROUNDING TYPE, NEMA 5-20R, RATED FOR 20 AMPS, 125 VOLTS, WITH PROVISIONS FOR BACK AND SIDE WIRING.
1.1. SPECIFICATION GRADE DUPLEX RECEPTACLE SHALL BE LUTRON #SCRS-20-TR-xx SERIES OR APPROVED EQUAL, HEAVY DUTY. COORDINATE COLOR WITH COLOR CHART ON SHEET E210.
1.3. GROUND FAULT CIRCUIT INTERRUPTER (GFI) DUPLEX RECEPTACLES SHALL BE LUTRON SCR-20-GFST-xx AND SHALL BE PROVIDED WHERE INDICATED. COORDINATE COLOR WITH COLOR CHART ON SHEET E210.
2. SWITCHES SHALL BE TOGGLE OPERATED, QUIET TYPE, RATED FOR 20 AMPS, 120/277 VOLTS, WITH PROVISIONS FOR BACK AND SIDE WIRING. THREE WAY AND FOUR WAY SWITCHES SHALL BE PROVIDED WHERE INDICATED. COORDINATE COLOR WITH COLOR CHART ON SHEET E210.
2.1. SINGLE POLE SWITCHES SHALL BE LUTRON CA-1PS SERIES, SC-1PS SERIES, OR APPROVED EQUAL, SILENT ACTUATING, 20-AMP, 120/277V. COORDINATE COLOR WITH COLOR CHART ON SHEET E210.
2.2. STANDARD THREE POLE SWITCHES SHALL BE LUTRON CA-3PS SERIES, SC-3PS SERIES, OR APPROVED EQUAL, SILENT ACTUATING, 20-AMP, 120/277V. COORDINATE COLOR WITH COLOR CHART ON SHEET E210.
3. DIMMERS SHALL BE LUTRON MA-PRO DIMMER SWITCH, OF A RATING, VOLTAGE AND WATTAGE SUITABLE FOR LOAD SERVED. COLORS OF DEVICES AND COVERPLATES SHALL BE COORDINATED WITH COLOR CHART ON SHEET E210.
4. WALL OCCUPANT SENSOR SHALL BE LUTRON MS-B102 WITH INTEGRAL PASSIVE INFRARED OCCUPANT SENSING, AVAILABLE IN 1-WAY OR 3-WAY CONFIGURATIONS, OR APPROVED EQUAL. 3-WAY CONFIGURATION REQUIRES LUTRON COMPANION SWITCHES FOR PROPER FUNCTION. COMPANION SWITCHES SHALL BE LUTRON MA-AS, OR MSC-AS DEPENDING ON COLOR REQUIREMENTS. COLOR TO BE COORDINATED WITH COLOR CHART ON SHEET E210. VERIFY LOAD SERVED IS COMPATIBLE PRIOR TO ORDERING.
5. WIRING DEVICES SHALL BE SPECIFICATION GRADE.
6. ALL DEVICES AND WIRING IN ALL EXAM, PRE-TEST & MEDICAL ROOMS SHALL BE HOSPITAL GRADE.
7. COVERPLATES FOR POWER, DATA & TELEPHONE SHALL BE LUTRON OR APPROVED EQUAL, PLASTIC. COORDINATE COLOR WITH COLOR CHART ON SHEET E210.
8. LIGHTING CONTACTORS SHALL BE IN NEMA 1 ENCLOSURE, NORMALLY OPEN ELECTRICALLY HELD, 120V, COIL, 20A. REFER TO PLANS FOR NUMBER OF POLES.

B. LIGHTING AND RECEPTACLE LOAD CENTERS (PANELS)
1. BRANCH CIRCUIT LOAD CENTERS SHALL BE DEAD FRONT TYPE, WITH MAIN LUGS OR MAIN OVERCURRENT DEVICE AS INDICATED, BRANCH OVERCURRENT DEVICES AS NOTED AND AN EQUIPMENT GROUND BAR, ALL IN A FLUSH MOUNTED SHEET STEEL ENCLOSURE. MINIMUM SHORT CIRCUIT CAPACITY SHALL BE 10,000 AMPS SYMMETRICAL FOR 120/208V, AND 14,000 AMPS SYMMETRICAL FOR 277/480V APPLICATION UNLESS NOTED OTHERWISE. LOAD CENTERS MUST BE SELECTED TO FIT IN A STANDARD STUD WALL.
2. LOAD CENTERS SHALL BE AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, ITE/SIEMENS AND WESTINGHOUSE/CUTLER HAMMER.

C. FIXTURES AND LAMPS
1. ALL FIXTURES AND LAMPS ARE FURNISHED BY TENANT, INSTALLED BY ELECTRICAL CONTRACTOR.

D. CONDUIT
1. PROVIDE PER LOCAL, STATE, AND NATIONAL CODES.

E. FIRE ALARM SYSTEM
1. ALL WORK ON FIRE ALARM SYSTEM TO BE BY THE LANDLORD/OWNER REQUIRED CONTRACTOR AT ELECTRICAL CONTRACT'S EXPENSE. ALL NEW DEVICES SHALL BE TIED TO THE EXISTING FIRE ALARM SYSTEM.

PART 3 - EXECUTION

C. GENERAL MISCELLANEOUS
1. ALL CONDUIT RUN IN FINISHED AREAS SHALL BE CONCEALED.
2. PROVIDE TYPEWRITTEN DIRECTORY CARDS WITH BRANCH CIRCUIT IDENTIFICATION FOR BRANCH CIRCUIT PANEL-BOARDS. PANEL-BOARDS, FEEDER DEVICES, DISTRIBUTION EQUIPMENT AND STARTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS IN ACCORDANCE WITH N.E.C. 110.16.
3. INSTALL HANDLE GUARDS ON ALL BREAKERS FOR NIGHT LIGHTING, EMERGENCY AND SIMILAR CIRCUITS.
4. ALL FLUSH MOUNTED ;LOAD CENTERS SHALL HAVE (3) 3/4" EMPTY CONDUITS INSTALLED TO ABOVE ACCESSIBLE CEILING FOR FUTURE USE.
5. THE FINAL LOCATIONS OF ALL EQUIPMENT, OUTLETS, ETC. SHALL BE SUBJECT TO REASONABLE CHANGES IN LOCATION UP TO THE TIME OF ROUGHING-IN, AT NO ADDITIONAL COST TO THE TENANT.

B. GROUNDING
1. GROUNDING OF THE ELECTRICAL SYSTEM SHALL BE BY MEANS OF AN INSULATED GROUNDING CONDUCTOR INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUIT CONDUCTORS IN ALL CONDUITS AND SUPPLEMENTAL AS REQUIRED TO MEET THE N.E.C., LOCAL, AND STATE CODES.
2. PROVIDE REDUNDANT BRANCH CIRCUIT GROUNDING SYSTEM IN ALL PATIENT CARE AREAS: EXAM, CONTACT LENS, PRETEST, AND ALCOVE ROOMS. PROVIDE PER ARTICLE 517.

C. TESTS
1. TEST FOR GROUNDS, SHORT CIRCUITS, AND PROPER FUNCTION OF ALL EQUIPMENT AFTER INSTALLATION IS COMPLETE. FAULTS IN THE INSTALLATION SHALL BE CORRECTED AT NO COST TO THE TENANT.

D. DEMOLITION
1. DEMOLITION OF EXISTING ELECTRICAL EQUIPMENT, IF APPLICABLE, SHALL BE PART OF THE ELECTRICAL WORK AS INDICATED ON THE DRAWINGS.

D-LC09-E001-REV09

# E GENERAL NOTES

A. IT SHALL BE THE E.C.'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE E.C. SHALL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR AT THE G.C.s EXPENSE.

B. EXIT LIGHTS AT THE STOREFRONT SHALL BE CEILING MOUNTED AND CENTERED OVER OPENINGS. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES AREAS SHALL BE CEILING MOUNTED AND CENTERED ABOVE DOOR. IF PLAN LOCATIONS ARE NOT ACCEPTABLE, IMMEDIATELY CONTACT ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION.

C. WHERE DRYWALL CEILINGS ARE USED IN THE SALES AREA, E.C. SHALL ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILINGS SHALL BE LIMITED TO LOCATIONS NEAR ACCESS FRAMES USED FOR DIFFUSERS AND RETURN AIR GRILLES OR ACCESS PANELS AS LOCATED ON PLANS. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION.

D. NOT USED.

E. LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 101'-0" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 151'-0" TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. LIGHTING CIRCUITS ABOVE 251'-0" IN LENGTH SHALL UTILIZE #6 CONDUCTORS MINIMUM.

F. E.C.'S BID SHALL INCLUDE THE INSTALLATION OF ALL LUMINAIRES AND ASSOCIATED LAMPS FURNISHED BY ESSILOR LUXOTTICA. E.C. IS RESPONSIBLE TO ENSURE THE ADJUSTABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER PLAN. IF THE CEILING SYSTEMS ARE FIRE RATED, E.C. SHALL CLOSELY COORDINATE FIXTURE REQUIREMENTS WITH ESSILOR LUXOTTICA.

G. E.C. SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION. E.C. SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.

H. ALL MOUNTING HEIGHTS FROM THE CENTERLINE OF THE BOX TO THE FINISHED FLOOR ARE AS FOLLOWS, UNLESS NOTED OTHERWISE ON PLAN: SWITCHES-44", ELECTRICAL/TELEPHONE/DATA OUTLETS-18", TOP OF PANELBOARDS-6'-6", TIMECLOCKS-5'-0". FOR ALL EXAM ROOM OUTLET MOUNTING HEIGHTS SEE DETAIL E114 ON SHEET E032.

I. FLEXIBLE CONDUIT SHALL BE USED FOR ALL FINAL CONNECTIONS TO MILLWORK, INTERIOR LIGHTING FIXTURES, AND EQUIPMENT. MAXIMUM LENGTH OF FLEXIBLE CONDUIT SHALL BE 12'-0".

J. IF INSTALLATION VARIES FROM THE CONTRACT DRAWINGS, THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING "AS BUILT" DRAWINGS FROM THE SUBCONTRACTORS AND SUBMITTING SAME TO ESSILOR LUXOTTICA PROJECT MANAGER.

K. IT IS THE E.C.'S RESPONSIBILITY TO PROPERLY BALANCE ALL BRANCH CIRCUITS BETWEEN THE PHASES OF THE SYSTEM (WITH-IN 10%).

L. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES AND ORDINANCES.

M. ALL OUTLETS ARE TO BE LABELED WITH A WHITE LABEL AND BLACK LETTERING ON THE FACEPLATE WITH PANEL AND CIRCUIT NUMBER.

N. SEE DATA RACK, PATCH PANEL SCHEDULE, AND ASSOCIATED DETAILS ON SHEET E010 FOR ADDITIONAL INFORMATION.

O. PROVIDE POWER, TELEPHONE AND DATA CONDUIT WITHIN FLOOR, BETWEEN FIXTURE AND NEAREST WALL AS INDICATED ON PLANS. METHOD OF CORE DRILLING OR SAW CUTTING SHALL BE PER BUILDING REQUIREMENTS. ALL CORE DRILL REQUIREMENTS SHALL BE VERIFIED WITH LANDLORD. CONTRACTOR SHALL SIZE CONDUIT PER N.E.C. PROVIDE FOR X-RAY OF FLOOR WHERE REQUIRED BY THE LANDLORD. SEE ARCHITECTURAL SHEETS FOR CONCRETE POUR-BACK DETAIL.

P. E.C. TO PROVIDE AND INSTALL ALL DISCONNECTS FOR MECHANICAL AND PLUMBING EQUIPMENT THAT ARE NOT SUPPLIED BY THOSE CONTRACTORS OR THE EQUIPMENT SUPPLIER.

Q. PROVIDE FIRE STOPPING FOR ALL PENETRATIONS OF FIRE WALLS. PROVIDE THROUGH WALL FIRE STOPPING FOR ALL LOCATIONS WHERE JUNCTION BOXES IN A DEMISING WALL, OR OTHER FIRE WALL. SEE FIRE STOP SCHEDULE ON SHEET "E020" FOR REQUIREMENTS.

R. ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED IN THE CONTRACT DOCUMENTS BY THE G.C. SHALL BE BROUGHT TO THE ATTENTION OF THE ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION BEFORE PROCEEDING WITH THE RELATED WORK. OTHERWISE, THE CORRECTION OF SUCH ITEMS WILL BE THE RESPONSIBILITY OF THE G.C.

S. ALL RECEPTACLES INSTALLED IN ANY/ALL PUBLIC SPACES, IE: TOILET ROOMS, CORRIDORS, VESTIBULES, ETC. SHALL BE TAMPER RESISTANT.

E-LC09-E001-REV04

# A RESPONSIBILITY SCHEDULE (ELECTRICAL)

T= TENANT
GC= GENERAL CONTRACTOR
LL= LANDLORD
MW= MILLWORKER
N/A= NOT APPLICABLE

| DIVISION 16000 - ELECTRICAL | SUPPLIED BY | RECEIVED BY | INSTALLED BY | EXISTING | PATCH & REPAIR | RELOCATE | REMARKS |
|---|---|---|---|---|---|---|---|
| CONNECTION AND WIRING @ MILLWORK THROUGHOUT | GC | GC | GC | | | | SEE POWER SYSTEMS SHEET E210 FOR SCOPE OF WORK. |
| ELECTRICAL SERVICE, FEEDERS, CONDUIT, METERS | | | | ● | | | EXISTING TO REMAIN |
| ELECTRICAL PANELS / TRANSFORMERS | | | EC | ● | | | EC TO REFER TO PANEL SCHEDULES FOR UPDATED BREAKERS AND CIRCUITS. |
| ELECTRICAL WIRING, CIRCUITING, RECEPTACLES, SWITCHES | GC | GC | GC | | | | SEE SHEET E020 FOR PANEL SCHEDULES AND CIRCUITS. SEE SHEETS E200 & E210 FOR DEVICE QUANTITIES AND LOCATIONS. |
| RECEPTACLES IN MILLWORK | GC | GC | GC | | | | SEE SHEET E210 FOR DEVICE QUANTITIES AND LOCATIONS. |
| BYRNE 4 TRAC SYSTEM | T | T | GC | | | | GC TO INSTALL BYRNE SYSTEM. SEE SHEET E210 FOR DEVICE QUANTITIES AND LOCATIONS. |
| BYRNE 4 TRAC SYSTEM - POWER FEED LOCATION | GC | GC | GC | | | | GC TO PROVIDE AND INSTALL WIRING / CIRCUITS IN JBOX AT POWER FEED LOCATIONS. |
| EMERGENCY LIGHTING | T | GC | GC | | | | SEE SHEET E200 FOR DEVICE QUANTITIES AND LOCATIONS. |
| EXIT SIGNS | T | GC | GC | | | | SEE SHEET E200 FOR DEVICE QUANTITIES AND LOCATIONS. |
| NEW LIGHT FIXTURES & LAMPS | T | GC | GC | | | | SEE SHEET E200 FOR DEVICE QUANTITIES AND LOCATIONS. |
| REPLACEMENT OR MATCHING EXISTING LIGHT FIXTURES & LAMPS | GC | GC | GC | | | | SEE SHEET E200 FOR DEVICE QUANTITIES AND LOCATIONS. |
| TIME CLOCK | EC | EC | EC | | | | SEE ONE-LINE DIAGRAM. SIGNS, PERIMETER SHELVING, AND DISPLAY CABINETS SHALL ALL BE CONTROLLED BY TIME CLOCK. |
| CONTACTORS | GC | GC | GC | | | | SEE DETAIL ED033 ON SHEET E011. |
| CONDUITS - DATA, COMMUNICATION, ALARMS, PHONES | GC | GC | GC | | | | SEE SHEETS E002 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| DOOR BELL SYSTEM | GC | GC | GC | | | | SEE DETAIL ED006 ON SHEET E010. SEE SHEET E210 FOR DEVICE QUANTITIES AND LOCATIONS. |
| WIRELESS EQUIPMENT | T | T | T | | | | SEE SHEETS E002 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| SECURITY - HARDWARE | T | GC | T | | | | SEE SHEETS E002 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| SECURITY - WIRING | GC | GC | GC | | | | |
| POS AND DATA WIRING (TEMPORARY) | GC | GC | GC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| POS AND DATA WIRING (PERMANENT) | GC | GC | GC | | | | |
| WIRING TO WIRELESS ACCESS POINTS | GC | GC | GC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| BACKBOARD TERMINATION - DATA | GC | GC | GC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| BACKBOARD TERMINATION - PHONE | T | T | T | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| PRODUCT SECURITY SYSTEM | GC | GC | GC | | | | GC TO COORDINATE WITH VENDOR |
| LOW VOLTAGE EQUIPMENT & WIRING | GC | GC | GC | | | | SEE SPECIALIZED LOW VOLTAGE SCHEDULE ON ELECTRICAL SHEETS. |
| FIRE ALARM SYSTEM | GC | GC | GC | | | | PROVIDE NEW DEVICES AND/OR MODIFY AS REQUIRED. UTILIZE LANDLORD REQUIRED FIRE ALARM VENDOR. |
| FIRE ALARM SHOP DRAWINGS AND SUBMITTALS | GC | GC | GC | | | | FIRE ALARM CONTRACTOR TO PROVIDE DOCUMENTS FOR AND IS RESPONSIBLE FOR BUILDING DEPARTMENT SUBMITTALS, INCLUDING ASSOCIATED FEES |

MEP RESP SCHEDULE-REV10

# B RESPONSIBILITY SCHEDULE (LOW VOLTAGE)

T= TENANT
GC= GENERAL CONTRACTOR
LL= LANDLORD
EC= ELECTRICAL CONTRACTOR
N/A= NOT APPLICABLE
U = UTILITY VIA VENDOR

| DIVISION 16000 - LOW VOLTAGE | SUPPLIED BY | RECEIVED BY | INSTALLED BY | EXISTING | PATCH & REPAIR | RELOCATE | REMARKS |
|---|---|---|---|---|---|---|---|
| DATA/TECH RACK | EC | EC | EC | | | | |
| DATA/TECH RACK - DATA WIRING | EC | EC | EC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| DATA/TECH RACK - PATCH PANELS | EC | EC | EC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| DATA/TECH RACK - DATA JACKS | EC | EC | EC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| DATA - LABELING BOTH ENDS OF CABLE | EC | EC | EC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| TRAFFIC COUNTER | T | EC | T | | | | |
| TRAFFIC COUNTER - DATA WIRING | EC | EC | EC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| SURVEILLANCE CAMERA | T | EC | T | | | | |
| SURVEILLANCE CAMERA - DATA WIRING | EC | EC | EC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| SOUND SYSTEM | T | T | EC | | | | |
| SOUND SYSTEM - RECEPTACLES (UNSWITCHED) | EC | EC | EC | | | | SEE SHEET E210 FOR LOCATIONS AND REQUIREMENTS. |
| SOUND SYSTEM - WIRELESS AUDIO TRANSMITTER | T | T | EC | | | | SEE SHEET E210 FOR LOCATIONS AND REQUIREMENTS. |
| SOUND SYSTEM - ETHERNET CONNECTION | T | T | EC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| SOUND SYSTEM - SPEAKER | T | T | EC | | | | SEE SHEET E200 FOR LOCATIONS AND REQUIREMENTS. |
| LED WALLS | T | T | T | | | | |
| LED - RECEPTACLES (UNSWITCHED) | EC | EC | EC | | | | SEE SHEET E210 FOR LOCATIONS AND REQUIREMENTS. |
| LED - DATA OUTLETS, TERMINATED AND TESTED | EC | EC | EC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| LED - DATA WIRING BACK TO PATCH PANEL | EC | EC | EC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| LED - POWER WIRING BETWEEN COMPONENTS | T | T | T | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| LED - DATA WIRING BETWEEN COMPONENTS | T | T | T | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| LED - MEDIA PLAYER | T | T | T | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| LED - MEDIA PLAYER SHELF | EC | EC | EC | | | | SEE SHEETS E010 AND E210 FOR LOCATIONS AND REQUIREMENTS. |
| LED - PROGRAMMING | T | T | T | | | | |
| TELEPHONE FIRE RATED PLYWOOD BACKBOARD (TELE BCKBRD) | EC | EC | EC | | | | |
| TELE BCKBRD - CONDUIT FROM LL ROOM TO TENANT SPACE | EC | EC | EC | | | ● | SEE SHEETS E210 FOR LOCATIONS AND REQUIREMENTS. |
| TELE BCKBRD - WIRING FROM LL ROOM TO TENANT SPACE | EC | EC | EC | | | ● | SEE SHEETS E210 FOR LOCATIONS AND REQUIREMENTS. |
| TELE BCKBRD - PLYWOOD BACKBOARD | EC | EC | EC | | | | SEE SHEETS E210 FOR LOCATIONS AND REQUIREMENTS. |
| TELE BCKBRD - UNSWITCHED RECEPTACLES | EC | EC | EC | | | | SEE SHEETS E210 FOR LOCATIONS AND REQUIREMENTS. |
| BACKWRAP - DLINK SWITCH (WHERE USED) | T | T | T | | | | |
| EQUIPMENT SPECIFICATIONS | X | X | X | X | X | X | |
| LENSCRAFTERS INLINE RACK KITS | | | | | | | |
| RETAIL EQUIPMENT RACK KIT | EC | EC | EC | | | | Order from Anixter. See website https://www.anixter.com/en_us/about-us/contact-us.html for sales branch locator and contact information. 5-7 Day Lead Time. Reference Luxottica Part# LUX-OPTICAL-1V2. Includes Racks, Components, Termination Panels, Shelves, and Cable Management required for retail sales floor installations. |
| RETAIL FIELD DATA CABLING KIT | EC | EC | EC | | | | Order from Anixter. See website https://www.anixter.com/en_us/about-us/contact-us.html for sales branch locator and contact information. 5-7 Day Lead Time. Reference Luxottica Part# LUX-OPTICAL-1V2. Includes Racks, Components, Termination Panels, Shelves, and Cable Management required for retail sales floor installations. |
| DOCTOR/DDC EQUIPMENT RACK KIT | EC | EC | EC | | | | Order from Anixter. See website https://www.anixter.com/en_us/about-us/contact-us.html for sales branch locator and contact information. 5-7 Day Lead Time. Reference Luxottica Part# LUX-OPTICAL-1V2. Includes Racks, Components, Termination Panels, Shelves, and Cable Management required for retail sales floor installations. |
| DOCTOR/DDC DATA CABLING KIT | EC | EC | EC | | | | Order from Anixter. See website https://www.anixter.com/en_us/about-us/contact-us.html for sales branch locator and contact information. 5-7 Day Lead Time. Reference Luxottica Part# LUX-OPTICAL-1V2. Includes Racks, Components, Termination Panels, Shelves, and Cable Management required for retail sales floor installations. |
| CAT6 PLENUM CABLE - 1000 FT BOX | EC | EC | EC | | | | Order from Anixter. Reference Manufacturer Part # CMP-00423GEN-6U-06 |
| CAT6 TERMINATION JACK - WHITE | EC | EC | EC | | | | Order from Anixter. Reference Manufacture Part # CJ688TGWH |
| CAT6 TERMINATION JACK - BLUE | EC | EC | EC | | | | Order from Anixter. Reference Manufacture Part # CJ688TGBU |
| 4 PORT WHITE FACEPLATE - MINICOM | EC | EC | EC | | | | Order from Anixter. Reference Manufacture Part # CFP4WH |
| 2 PORT WHITE FACEPLATE - MINICOM | EC | EC | EC | | | | Order from Anixter. Reference Manufacture Part # CFP2WH |
| WIRING FROM LL TELEPHONE ROOM TO SPACE: 25 PAIR, CATEGORY 5e, PLENUM GenSPEED® 5000 Category 5e 25-Pair Backbone Cable, Grey | EC | EC | EC | | | | SEE PLANS FOR APPROXIMATE DISTANCE FROM LL ROOM TO TENANT SPACE. |
| TESTING AND REPORTS | EC | EC | EC | | | | |
| Testing of ALL Data Cabling Terminations | EC | EC | EC | | | | Testing to ANSI/TIA-568-C.2 CAT 6 Field Test Specifications |
| PDF Report of Compliance with Testing | EC | EC | EC | | | | Provide reporting of each cable and termination compliance with ANSI/TIA-568-C.2 Testing |
| Horizontal Cable Labeling | EC | EC | EC | | | | Label each horizontal cable according to ANSI/TIA-606-B Standards |
| Panel Schedule Labeling and Identification | EC | EC | EC | | | | Label each termination panel in accordance with provided schedule to correspond to field terminations |
| Field Location Labeling and Identification | EC | EC | EC | | | | Label each Field Outlet in accordance with provided schedule to correspond to panel terminations |
| Field Location Cable Mapping and Identification | EC | EC | EC | | | | Provide updated drawing indicating field locations of each horizontal cable |
| TELEPHONE BACKBOARD DIGITAL EQUIPMENT | X | X | X | X | X | X | |
| MIRAKI ROUTER | T | T | T | | | | |
| 66 BLOCK OR BISQUIT JACK | U | U | U | | | | |
| CONNECTION BETWEEN THE 66 BLOCK AND PATCH PANEL | T | T | T | | | | |
| ROUTERS OR SWITCHES, UNLESS NOTED SPECIFICALLY OTHERWISE | T | T | T | | | | |
| PATCH CABLES BETWEEN PATCH PANELS AND ELECTRONICS | T | T | T | | | | |
| ANY PATCH CABLES | T | T | T | | | | |
| VENDOR CONTACTS | | | | | | | |

| luxottica_requests@wescodist.com | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

MEP RESP SCHEDULE-REV10

# C ELECTRICAL SYMBOLS LIST

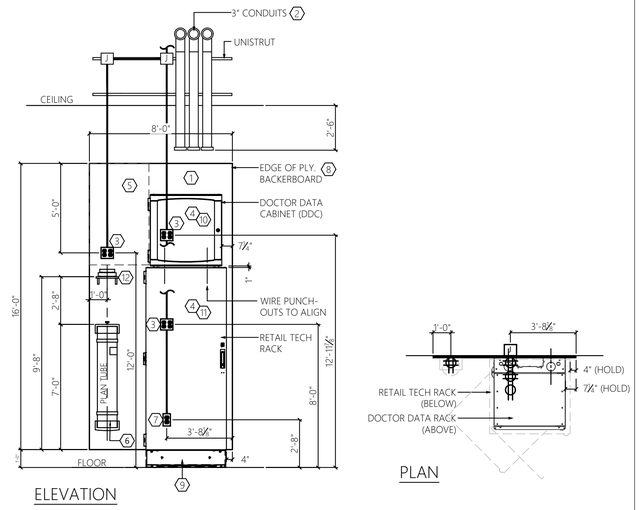
- DUPLEX RECEPTACLE (B) (E)
- DOUBLE DUPLEX RECEPTACLE (B) (E)
- RECESSED FLOOR BOX OR POKE THRU W/ DEVICES
- POWER/DATA CONDUIT STUB-UP
- SINGLE GANG J-BOX (B) (E)
- (K) SPECIALTY OUTLET RECEPTACLE (C)
- (X) MOTOR CONNECTION (C)
- SURFACE MOUNTED PANELBOARD (C)
- TRANSFORMER (C)
- SAFETY SWITCH (C)
- CL CURRENT LIMITING PANEL - TRACK LIGHTING (C)
- TC TIME CLOCK
- INFLOOR/UNDERFLOOR CONDUIT/WIRE ROUTING
- SECURITY CAMERA
- DATA / PHONE OUTLET (B)
- WIFI DEVICE
- TRAFFIC COUNTER
- DOOR BELL SYSTEM - EXTERIOR PUSHBUTTON
- DOOR BELL SYSTEM - STROBE AND BELL
- T-SPK MUSIC SYSTEM SPEAKER
- LIGHT SWITCH (A) (B) (E)
- UNSWITCHED CIRCUITING
- LIGHT SWITCHING/POWER CIRCUIT
- RECESSED LINEAR LIGHT FIXTURE (D)
- 2X4 RECESSED LIGHT FIXTURE (D)
- 2X2 RECESSED LIGHT FIXTURE (D)
- WALL SCONCE (D)
- EXIT SIGN - UNIVERSAL MOUNT (D)
- STRIP/WRAPAROUND LIGHT FIXTURE (D)
- EXTERIOR WALL MOUNTED LIGHT (D)
- EMERGENCY EGRESS LIGHT FIXTURE (D)
- RECESSED DOWNLIGHT (D)
- TRACK LIGHTING (D)
- WALL SCONCE (D)
- OCC OCCUPANCY

# A DETAIL NOTES

1. ROUTE POWER IN SURFACE MOUNTED CONDUITS ON PHONE BOARD. ALL POWER WIRING TO BE IN 1 INCH CONDUIT, OR LARGER AS CIRCUITING ARRANGEMENT DEMANDS. NOTE THE CONDUITS, BOXES AND OUTLETS ARE TO BE INSTALLED AFTER THE CABINET BACK PAN IS INSTALLED TO ALLOW FOR ACCURATE ALIGNMENT
2. MINIMUM THREE 2-1/2" EMT CONDUITS FROM 15 INCHES BELOW APPARENT CEILING SPACE, ABOVE TOP OF BOARD AS INDICATED FOR IT/TELECOM EQUIPMENT. EXTEND CONDUITS TO 24 INCHES ABOVE APPARENT CEILING SPACE FOR CABLE PATHWAY. PROVIDE 90 DEGREE RADIUS SWEEPS ABOVE APPARENT CEILING SPACE, WITH PLENUM RATED BUSHINGS ON BOTH ENDS OF CONDUITS TO PREVENT CABLE DAMAGE.
3. SURFACE MOUNT QUAD OUTLET WITH DEDICATED 20A CIRCUIT AND DEVICES. PROVIDE 1 INCH CONDUIT FROM ABOVE APPARENT CEILING SPACE TO DEVICE LOCATIONS, TO BE USED FOR VOICE/DATA/SECURITY EQUIPMENT. NOTE THE CONDUITS, BOXES AND OUTLETS ARE TO BE INSTALLED AFTER THE CABINET BACKPAN IS INSTALLED TO ALLOW FOR ACCURATE ALIGNMENT
4. RACKS PROVIDED BY ELECTRICAL CONTRACTOR TO BE AS SPECIFIED IN THE RESPONSIBILITY SCHEDULE. REFER TO MANUFACTURER INSTRUCTIONS FOR PROPER MOUNTING OF CABINETS. USE CABINET WHEELS AND BACK SPACER PAN (PROVIDED WITH CABINET) FOR SUPPORT ON THE FLOOR. USE 2 INCH X 1/4 INCH LAG BOLTS IN PROPER KEYHOLES. MOUNT 60HX24D TALL WALL-MOUNT, FLOOR SUPPORTED CABINET FIRST, 2" FROM EDGE OF BOARD ON OPENING SIDE OF CABINET. MOUNT 24HX24D CABINET ABOVE ALIGNING 1" KNOCKOUT HOLDS FROM TOP TO BOTTOM CABINET FOR POWER PASS THROUGH. REMOVE 3" KNOCKOUTS FOR CABLE PASS THROUGH BEFORE MOUNTING CABINETS. IF WALL BEHIND BOARD IS SOLID CONCRETE OR BRICK, USE SPECIALIZED HARDWARE TO MOUNT CABINET SECURELY THROUGH BOARD TO SURFACE BEHIND.
5. DEMARC AREA FOR TELCO AND BROADBAND PROVIDERS. RESERVED 20 INCHES BY 30 INCHES.
6. 36 INCH LONG X 6 INCH DIAMETER PVC TUBE FOR AS BUILT PLANS (BY G.C.). UPON COMPLETION OF PROJECT, GENERAL CONTRACTOR MUST RUN A NEW PRINT SET OF THE AS-BUILT STORE DRAWINGS (ALL APPLICABLE TRADES) AND PLACE PRINTS INTO THE PLAN TUBE HOLDER. LABEL (W/ CLEAR TAPE) STATING: "THIS TUBE CONTAINS STORE DRAWINGS AND IS NOT TO BE REMOVED WITHOUT THE CONSENT OF THE STORE MANAGER." TENANT G.C. TO SUPPLY AND INSTALL DRAWING TUBE ASSEMBLY WHERE INDICATED ON PLANS OR AS DIRECTED BY THE PROJECT MANAGER. SEE DETAIL 13 ON SHEET A411 FOR MORE INFORMATION.
7. PROVIDE 20A DUPLEX RECEPTACLE FOR AUDIO EQUIPMENT. SEPARATE CONTROL CIRCUIT NOT REQUIRED AS MOOD EQUIPMENT COMES STANDARD WITH AN ALARM SHUT MODULE. IT DOES HOWEVER NEED A LINE FROM THE FIRE CONTROL PANEL TO SHUT OFF POWER.
8. MOUNT 4FT X 8FT HIGH, 3/4" THICK VOID-FREE, FIRE RATED PLYWOOD AT 6 INCHES ABOVE FINISHED FLOOR. PAINT TO MATCH WALL BUT DO NOT PAINT OVER FIRE RATED LABELING ON THE PLYWOOD FOR INSPECTOR TO VERIFY PLYWOOD IS RATED. IF FIRE RATED PLYWOOD IS NOT AVAILABLE, PAINT WITH 2 COATS OF WHITE, FIRE RATED PAINT AND RETAIN PAINT INFORMATION FOR FIRE INSPECTION.
9. BOTTOM OF CABINET SHOULD SIT 6" A.F.F. ON TOP OF WHEEL AND SPACER BACK PAN ASSEMBLY PROVIDED WITH THE CABINET. SEE INSTRUCTIONS PROVIDED WITH EQUIPMENT FOR PROPER ASSEMBLY OF FLOOR MOUNTED DATA CABINET.
10. D.D.C. TECH CABINET SHALL HOUSE PATCH PANELS "D" AND "E".
11. RETAIL TECH CABINET SHALL HOUSE PATCH PANELS "A", "B", AND "C".
12. SPOTUNE TRANSMITTER ON TOP OF MOOD MEDIA PLAYER ON TOP OF SHELF PROVIDED BY MOOD MEDIA, INSTALLED BY E.C. E.C. TO COORDINATE / PROVIDE AND INSTALL WIRING WITH FIRE ALARM VENDOR FOR AUTOMATIC SHUTOFF DURING ALARM.

A-LC09-E010-REV10

# B NETWORK DIAGRAM




**ED002** — SINGLE DOOR STATE (LEFT HANDED SWING)

ED002-LC09-E010-REV10

## CLARIFYE CABLING & NETWORK QA CHECKLIST

*TO BE COMPLETED BY PROJECT MANAGER ON MONDAY OF THE WEEK OF THE CLARIFYE INSTALLATION*

*IF ANY OF THE TASKS OR LABELS ARE NOT COMPLETED CORRECTLY, ESCALATE TO THE ON-SITE FLEET RENEWAL MANAGER IMMEDIATELY*

| TASK | COMPLETED (Y/N) |
|---|---|
| **DOCTOR DATA CABINET IN THE TELECOM BACKBOARD OR DESIGNATED TELECOM AREA** | |
| CONFIRM THE MODEM IS EXTENDED INTO THE DDX (IF THE INTERNET SEVICE DOES NOT HAVE A MODEM AND IT JUST A JACK, CONFIRM THE JACK IS PATCHED OVER TO THE DDC) | |
| CONFIRM THE MODEM IS LABELED AS THE "CLARIFYE MODEM" | |
| CONFIRM THE DDC HAS A 48-PORT PATCH PANEL INSTALLED | |
| CONFIRM THERE IS A SWITCH IN THE DDC LABELED AS "DOCTOR SWITCH" | |
| **EXAM ROOMS** | |
| CONFIRM THE RECESSED ENTERTAINMENT BOX IS INSTALLED PER THE DIMENSIONS SHOWN IN THE C600 ESSILOR CHART DETAILS. | |
| CONFIRM THE CABLE RUNS FOR THE WIRELESS ACCESS POINTS ARE TO THE CORRECT LOCATIONS AND LABELED ON THE CEILING. | |

COMPLETED BY: _____

DATE COMPLETED: _____

| | |
|---|---|
| **EQUIPMENT INSIDE THE DOCTOR DATA CABINET** | |
| CONFIRM CISCO MERAKI ROUTER IS PROPERLY MOUNTED INSIDE THE DOCTOR DDC CABINET | |
| CONFIRM THE CISCO MERAKI ROUTER IS LABELED AS THE "CLARIFYE ROUTER" | |
| CONFIRM THAT THE ETHERNET TERMINATIONS FROM THE ROOMS ARE CORRECTLY PUNCHED DOWN AND LABELED TO THE PATCH PANEL IN THE DDC | |
| CONFIRM THERE IS AN AVAILABLE POWER OUTLET WITHIN 3' OF THE DDC CABINET | |
| CONFIRM CISCO MERAKI ROUTER IS ONLINE WITH A SOLID WHITE STATUS LIGHT | |

**CABLE RUN LABEL & TESTING CONFIRMATIONS**

| CABLE FROM | CABLE TO | # OF RUNS/FACE-PLATE LOCATION | ROOM FACE PLATE LABELS | DDC PATCH PANEL LABELS | CONFIRM ALL DATA JACKS ARE LABELED CORRECTLY ON BOTH ENDS (Y/N) | CONFIRM ALL CABLE RUNS TESTED SUCCESSFULLY (Y/N) |
|---|---|---|---|---|---|---|
| PRETEST_1 | DDC PATCH PANEL | 4 | D01,D02,D03,D04 | D01,D02,D03,D04 | | |
| PRETEST_2 | DDC PATCH PANEL | 4 | D05,D06,D07,D08 | D05,D06,D07,D08 | | |
| EXAM_1 DESK | DDC PATCH PANEL | 4 | D17,D18,D19,D20 | D17,D18,D19,D20 | | |
| EXAM_1 CHAIR | DDC PATCH PANEL | 2 | D21,D22 | D21,D22 | | |
| EXAM_2 DESK | DDC PATCH PANEL | 4 | D24,D25,D26,D27 | D24,D25,D26,D27 | | |
| EXAM_2 CHAIR | DDC PATCH PANEL | 2 | D28,D29 | D28,D29 | | |
| EXAM_3 DESK | DDC PATCH PANEL | 4 | D43,D44,D45,D46 | D43,D44,D45,D46 | | |
| EXAM 3 CHAIR | DDC PATCH PANEL | 2 | D47,D48 | D47,D48 | | |
| MEDICAL ROOM | DDC PATCH PANEL | 4 | D31,D32,D33,D34 | D31,D32,D33,D34 | | |
| MEDICAL ROOM | DDC PATCH PANEL | 2 | D35,D36 | D35,D36 | | |

## ▽ PATCH PANEL "A" - VOICE - 24 PORT (LOCATED AT RETAIL TECH RACK)

| POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A01 | WORK COUNTER MANAGER - A1 | 7 | A07 | SALES FLOOR - SELECT TABLE | 13 | A13 | OD RECEPTION - A1 | 19 | A19 | EXAM ROOM #1 - WALL |
| 2 | A02 | WORK COUNTER MANAGER - A2 | 8 | A08 | SALES FLOOR - SELECT TABLE | 14 | A14 | OD RECEPTION - A2 | 20 | A20 | - |
| 3 | A03 | WORK COUNTER MANAGER - A3 | 9 | A09 | SALES FLOOR - SELECT TABLE | 15 | A15 | OD RECEPTION - B1 | 21 | A21 | MEDICAL ROOM - WALL |
| 4 | A04 | - | 10 | A10 | - | 16 | A16 | OD RECEPTION - B2 | 22 | A22 | EXAM ROOM #3 - WALL |
| 5 | A05 | - | 11 | A11 | - | 17 | A17 | EXAM ROOM #2 - WALL | 23 | A23 | CONTACT LENS - A1 |
| 6 | A06 | SALES FLOOR - SELECT TABLE | 12 | A12 | - | 18 | A18 | - | 24 | A24 | CONTACT LENS - B1 |

ROUTE CATEGORY 6 CABLING FROM EACH PORT ON THE PATCH PANEL TO THE CORRESPONDING JACK IDENTIFIED ON THE PLAN. ROUTE THE WIRING IN A CODE COMPLIANT FASHION, IN CONDUIT OR IN FREE AIR AS PER THE JURISDICTION REQUIREMENTS. WHERE WIRING IS ROUTED IN FREE AIR, PROVIDE J-HOOKS AT 6FT INTERVALS MAXIMUM AND NEATLY INSTALL.

## ▽ PATCH PANEL "B" - DATA - 48 PORT (LOCATED AT RETAIL TECH RACK)

| POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | B01 | SALES FLOOR - WIFI | 13 | B13 | CASH DESK B1 | 25 | B25 | - | 37 | B37 | - |
| 2 | B02 | SALES FLOOR - WIFI | 14 | B14 | CASH DESK B2 | 26 | B26 | - | 38 | B38 | - |
| 3 | B03 | TRAFFIC COUNTER | 15 | B15 | CASH DESK B3 | 27 | B27 | MANAGER'S WORK DESK | 39 | B39 | - |
| 4 | B04 | - | 16 | B16 | CASH DESK B4 | 28 | B28 | MANAGER'S WORK DESK | 40 | B40 | - |
| 5 | B05 | WORK COUNTER MANAGER | 17 | B17 | CASH PHONE CABINET | 29 | B29 | MANAGER'S WORK DESK | 41 | B41 | - |
| 6 | B06 | WORK COUNTER MANAGER | 18 | B18 | CASH PHONE CABINET | 30 | B30 | MANAGER'S WORK DESK | 42 | B42 | - |
| 7 | B07 | - | 19 | B19 | | 31 | B31 | - | 43 | B43 | - |
| 8 | B08 | - | 20 | B20 | - | 32 | B32 | - | 44 | B44 | - |
| 9 | B09 | CASH DESK A1 | 21 | B21 | - | 33 | B33 | - | 45 | B45 | - |
| 10 | B10 | CASH DESK A2 | 22 | B22 | - | 34 | B34 | - | 46 | B46 | - |
| 11 | B11 | CASH DESK A3 | 23 | B23 | - | 35 | B35 | - | 47 | B47 | - |
| 12 | B12 | CASH DESK A4 | 24 | B24 | - | 36 | B36 | - | 48 | B48 | - |

ROUTE CATEGORY 6 CABLING FROM EACH PORT ON THE PATCH PANEL TO THE CORRESPONDING JACK IDENTIFIED ON THE PLAN. ROUTE THE WIRING IN A CODE COMPLIANT FASHION, IN CONDUIT OR IN FREE AIR AS PER THE JURISDICTION REQUIREMENTS. WHERE WIRING IS ROUTED IN FREE AIR, PROVIDE J-HOOKS AT 6FT INTERVALS MAXIMUM AND NEATLY INSTALL.

## ▽ PATCH PANEL "C" - MEDIA / VIDEO - 48 PORT (LOCATED AT RETAIL TECH RACK)

| POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C01 | LED WALL | 13 | C13 | CASH DESK - VIDEO WALL | 25 | C25 | SALES FLOOR MEDIA | 37 | C37 | |
| 2 | C02 | - | 14 | C14 | CASH DESK - VIDEO WALL | 26 | C26 | SALES FLOOR MEDIA | 38 | C38 | |
| 3 | C03 | - | 15 | C15 | - | 27 | C27 | SALES FLOOR MEDIA | 39 | C39 | |
| 4 | C04 | - | 16 | C16 | - | 28 | C28 | SALES FLOOR MEDIA | 40 | C40 | |
| 5 | C05 | - | 17 | C17 | - | 29 | C29 | SALES FLOOR MEDIA | 41 | C41 | SALES FLOOR - SURVEILLANCE |
| 6 | C06 | - | 18 | C18 | OD DESK - VIDEO WALL | 30 | C30 | SALES FLOOR MEDIA | 42 | C42 | SALES FLOOR - SURVEILLANCE |
| 7 | C07 | - | 19 | C19 | OD DESK - VIDEO WALL | 31 | C31 | SALES FLOOR MEDIA | 43 | C43 | SALES FLOOR - SURVEILLANCE |
| 8 | C08 | - | 20 | C20 | OD DESK - VIDEO WALL | 32 | C32 | SALES FLOOR MEDIA | 44 | C44 | SALES FLOOR - SURVEILLANCE |
| 9 | C09 | - | 21 | C21 | OD DESK - VIDEO WALL | 33 | C33 | - | 45 | C45 | - |
| 10 | C10 | - | 22 | C22 | - | 34 | C34 | - | 46 | C46 | - |
| 11 | C11 | - | 23 | C23 | - | 35 | C35 | - | 47 | C47 | - |
| 12 | C12 | - | 24 | C24 | - | 36 | C36 | - | 48 | C48 | - |

ROUTE CATEGORY 6 CABLING FROM EACH PORT ON THE PATCH PANEL TO THE CORRESPONDING JACK IDENTIFIED ON THE PLAN. ROUTE THE WIRING IN A CODE COMPLIANT FASHION, IN CONDUIT OR IN FREE AIR AS PER THE JURISDICTION REQUIREMENTS. WHERE WIRING IS ROUTED IN FREE AIR, PROVIDE J-HOOKS AT 6FT INTERVALS MAXIMUM AND NEATLY INSTALL.

## ▽ PATCH PANEL "D" - DDC - 48 PORT (LOCATED AT DDC TECH RACK)

| POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | D01 | PRETEST - 1A | 13 | D13 | LAB - 1E | 25 | D25 | EXAM - 2B | 37 | D37 | MEDICAL ROOM - 3G |
| 2 | D02 | PRETEST - 1B | 14 | D14 | LAB - 1F | 26 | D26 | EXAM - 2C | 38 | D38 | MEDICAL ROOM - 3H |
| 3 | D03 | PRETEST - 1C | 15 | D15 | - | 27 | D27 | EXAM - 2D | 39 | D39 | LAB - 1G |
| 4 | D04 | PRETEST - 1D | 16 | D16 | - | 28 | D28 | EXAM - 2E | 40 | D40 | LAB - 1H |
| 5 | D05 | PRETEST - 2A | 17 | D17 | EXAM - 1A | 29 | D29 | EXAM - 2F | 41 | D41 | LAB - 1I |
| 6 | D06 | PRETEST - 2B | 18 | D18 | EXAM - 1B | 30 | D30 | MEDICAL ROOM - 3I | 42 | D42 | LAB - 1J |
| 7 | D07 | PRETEST - 2C | 19 | D19 | EXAM - 1C | 31 | D31 | MEDICAL ROOM - 3A | 43 | D43 | EXAM - 3A |
| 8 | D08 | PRETEST - 2D | 20 | D20 | EXAM - 1D | 32 | D32 | MEDICAL ROOM - 3B | 44 | D44 | EXAM - 3B |
| 9 | D09 | LAB - 1A | 21 | D21 | EXAM - 1E | 33 | D33 | MEDICAL ROOM - 3C | 45 | D45 | EXAM - 3C |
| 10 | D10 | LAB - 1B | 22 | D22 | EXAM - 1F | 34 | D34 | MEDICAL ROOM - 3D | 46 | D46 | EXAM - 3D |
| 11 | D11 | LAB - 1C | 23 | D23 | - | 35 | D35 | MEDICAL ROOM - 3E | 47 | D47 | EXAM - 3E |
| 12 | D12 | LAB - 1D | 24 | D24 | EXAM - 2A | 36 | D36 | MEDICAL ROOM - 3F | 48 | D48 | EXAM - 3F |

ROUTE CATEGORY 6 CABLING FROM EACH PORT ON THE PATCH PANEL TO THE CORRESPONDING JACK IDENTIFIED ON THE PLAN. ROUTE THE WIRING IN A CODE COMPLIANT FASHION, IN CONDUIT OR IN FREE AIR AS PER THE JURISDICTION REQUIREMENTS. WHERE WIRING IS ROUTED IN FREE AIR, PROVIDE J-HOOKS AT 6FT INTERVALS MAXIMUM AND NEATLY INSTALL.

## ▽ PATCH PANEL "E" - OD MEDIA - 24 PORT (LOCATED AT DDC TECH RACK)

| POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION | POS | LABEL | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | E01 | OD RECEPTION - R1A | 7 | E07 | OD WAP-1 | 13 | E13 | EXAM #1 MONITOR | 19 | E19 | - |
| 2 | E02 | OD RECEPTION - R1B | 8 | E08 | OD WAP-1 | 14 | E14 | EXAM #1 MONITOR | 20 | E20 | - |
| 3 | E03 | OD RECEPTION - R2A | 9 | E09 | BOH WAP-1 | 15 | E15 | EXAM #2 MONITOR | 21 | E21 | - |
| 4 | E04 | OD RECEPTION - R2B | 10 | E10 | - | 16 | E16 | EXAM #2 MONITOR | 22 | E22 | - |
| 5 | E05 | - | 11 | E11 | - | 17 | E17 | EXAM #3 MONITOR | 23 | E23 | - |
| 6 | E06 | - | 12 | E12 | - | 18 | E18 | EXAM #3 MONITOR | 24 | E24 | - |

ROUTE CATEGORY 6 CABLING FROM EACH PORT ON THE PATCH PANEL TO THE CORRESPONDING JACK IDENTIFIED ON THE PLAN. ROUTE THE WIRING IN A CODE COMPLIANT FASHION, IN CONDUIT OR IN FREE AIR AS PER THE JURISDICTION REQUIREMENTS. WHERE WIRING IS ROUTED IN FREE AIR, PROVIDE J-HOOKS AT 6FT INTERVALS MAXIMUM AND NEATLY INSTALL.

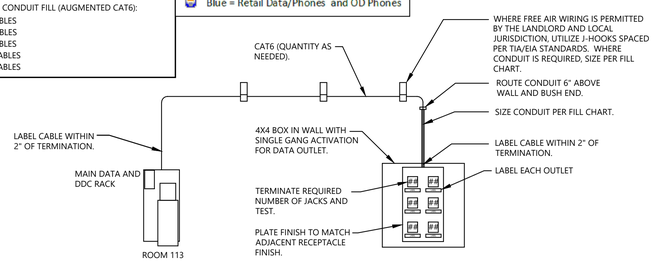
PATCH PANELS-LC09-E010-REV05

## DETAIL NOTES

1. CONDUITS TO BE 3/4" UNLESS NOTED OTHERWISE. WHERE REQUIRED BY CODE OR LANDLORD, ALL LOW VOLTAGE WIRING TO BE IN CONDUIT.
2. JACK COLORS:
   - BLUE: GENERAL RETAIL FLOOR, MEDIAL, PHONES
   - WHITE: OD AREA JACKS AND PANEL.
   - GREEN: RETAIL CASH WRAP
   - YELLOW: SECURITY CAMERAS
   - ORANGE: ACCESS POINTS AND TRAFFIC COUNTER
3. MAXIMUM ALLOWABLE CONDUIT FILL (AUGMENTED CAT6):
   - 3/4" C 2 DATA CABLES
   - 1"C 4 DATA CABLES
   - 1 1/4"C 7 DATA CABLES
   - 1 1/2"C 10 DATA CABLES
   - 2"C 18 DATA CABLES

## JACK OUTLET COLOR

- Orange = WiFi/AP and Traffic Counter
- Yellow = Security Cameras
- White = OD and Store Manager
- Green = Retail Cash Wrap
- Blue = Retail Data/Phones and OD Phones



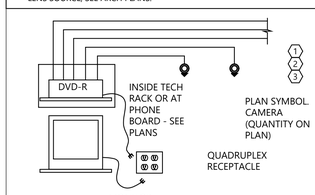

**ED003** — COMMUNICATIONS RISER / ELECTRICAL INFORMATION - ONE DOOR STATE — ED003-LC09-E010-REV04

## ⓧ DETAIL KEY NOTES

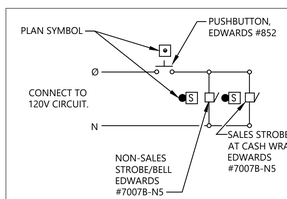
1. EXTEND CABLE TO PROPOSED HEAD END EQUIPMENT LOCATION. PROVIDE ENOUGH EXCESS CABLE TO REACH ANY WALL IN BACK ROOM. COIL AND MARK CABLE AS CCTV. HEAD END EQUIPMENT LOCATION MUST BE WITHIN 10' OF THE 'NETWORK SWITCH ACCESS'.
2. FOR CAMERAS, PROVIDE WHITE CAT 6 CABLING. COIL 15' OF CABLING AT EACH CAMERA LOCATION FOR CONNECTIONS.
3. PROVIDE RJ-45 CONNECTORS AT CAMERA LOCATIONS ONLY. CONNECTORS NOT NEEDED AT THE HEAD END EQUIPMENT LOCATION.

## DETAIL NOTES

1. SECURITY CAMERAS SHALL NOT RECEIVE ANY ABOVE CEILING JUNCTION BOX. THE CAMERAS HAVE THEIR OWN RECESS MOUNT KITS. LOCATION OF CAMERAS SHALL BE MARKED CLEARLY IN ORDER FOR SECURITY CAMERA TECHNICIAN TO LOCATE. ALL WIRING TO BE PROVIDED AND INSTALLED PER ELECTRICAL PLANS. PAINT ENTIRE ASSEMBLY TO MATCH CEILING EXCEPT FOR LENS SOURCE, SEE ARCH PLANS.




**ED005** — CCTV SYSTEM RISER — ED005-LC09-E010-REV04




## DETAIL NOTES

DOOR BELL SYSTEM IS COMPRISED OF (3) COMPONENTS:

- (1) SERVICE DOOR PUSH-BUTTON (INSTALLED FACING THE REAR DOOR AT 44" AFF, 9" O.C. FROM THE LATCH SIDE OF THE DOOR.
- (1) STOE/BELL, WALL MOUNTED. LOCATED ABOVE THE GENERAL MANGER'S DESK AT AN ELEVATION OF 8'-0". (IF THE STROBE/BELL IS NEAR A LIGHT SWITCH, ALIGN STROBE/BELL WITH SWITCH)
- (1) STROBE/BELL LOCATED ON THE RETAIL SALES FLOOR CEILING MOUNTED ABOVE PERIMETER FIXTURES.

**ED006** — DOOR BELL ENTRY RISER — ED006-LC09-E010-REV10

DESIGN & CONSTRUCTION MANAGEMENT:


**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

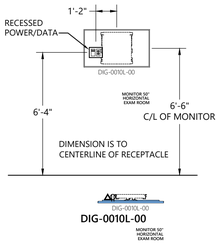
- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
- ☐ PERMIT
- ☐ BULLETIN

Sheet Name: ELECTRICAL GENERAL NOTES & DETAILS

Date: 05/01/2026
Drawn By: M.B.
Checked By: K.P./P.A

Sheet No.: E010

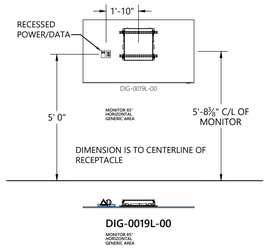
## 1 FIXTURE DETAIL




| DIG-0010L | 50" DIGITAL MONITOR |
|---|---|

DIG-0010L-E011-REV04

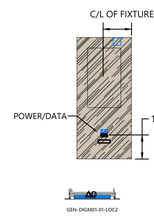
## 2 FIXTURE DETAIL




| DIG-0019L | 85" DIGITAL MONITOR |
|---|---|

DIG-0019L-E011-REV04

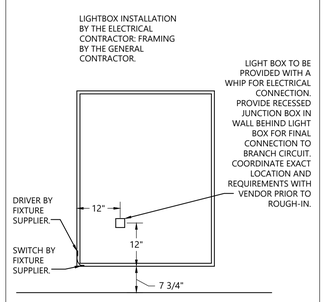
## 3 FIXTURE DETAIL




| GEN-DIGM01-01 | 46" DIGITAL TOUCH MONITOR |
|---|---|

GEN-DIGM01-01-E011-REV08

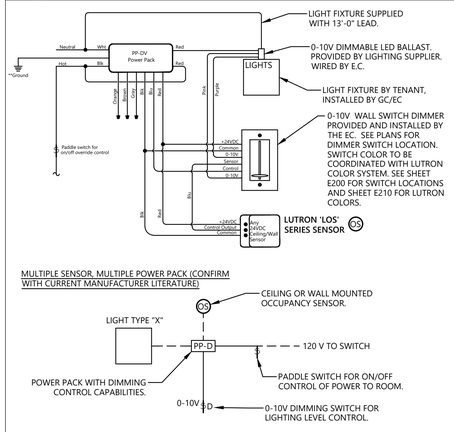
## 5 FIXTURE DETAIL




| ED050 | LIGHT BOX ELECTRICAL INFORMATION |
|---|---|

ED050-E011-REV07

## 6 FIXTURE DETAIL




| ED059 | LOW VOLTAGE LIGHTING CONNECTION DETAIL |
|---|---|

ED059-E011-REV04

## 8 FIXTURE DETAIL




THIS DETAIL IS FOR REFERENCE ONLY. POWER FED FROM JUNCTION BOX - COORDINATE ALL DETAILS WITH SIGN VENDOR.

| LC09-HC-EE-4 | STOREFRONT CUSTOM SIGNAGE |
|---|---|

LC09-HC-EE-4-E011-REV04

## 9 FIXTURE DETAIL




THIS DETAIL IS FOR REFERENCE ONLY. POWER FED FROM JUNCTION BOX - COORDINATE ALL DETAILS WITH SIGN VENDOR.

| LC09-FL-EL-LC-15 | STOREFRONT SIGNAGE |
|---|---|

LC09-FL-EL-LC-15-E011-REV04

## 10 FIXTURE DETAIL

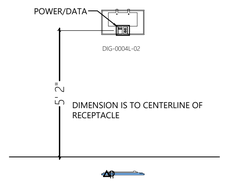



THIS DETAIL IS FOR REFERENCE ONLY. POWER FED FROM JUNCTION BOX - COORDINATE ALL DETAILS WITH SIGN VENDOR.

| LC09-FL-EL-VC-6 | VISION CENTER SIGNAGE |
|---|---|

LC09-FL-EL-VC-6-E011-REV04

## 11 FIXTURE DETAIL

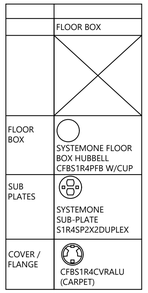



| DIG-0004L-02 | 32" DIGITAL MONITOR |
|---|---|

DIG-0004L-02-E011-REV04

## 4 FIXTURE DETAIL

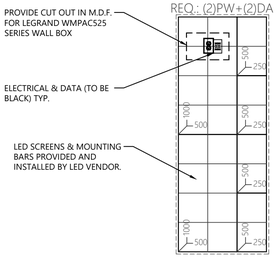
NOTE:
1. FINISH TO BE ALUMINUM.




| ED008 | LC09 FLOOR BOX / POKE THRU SCHEDULE |
|---|---|

ED008-E011-REV04

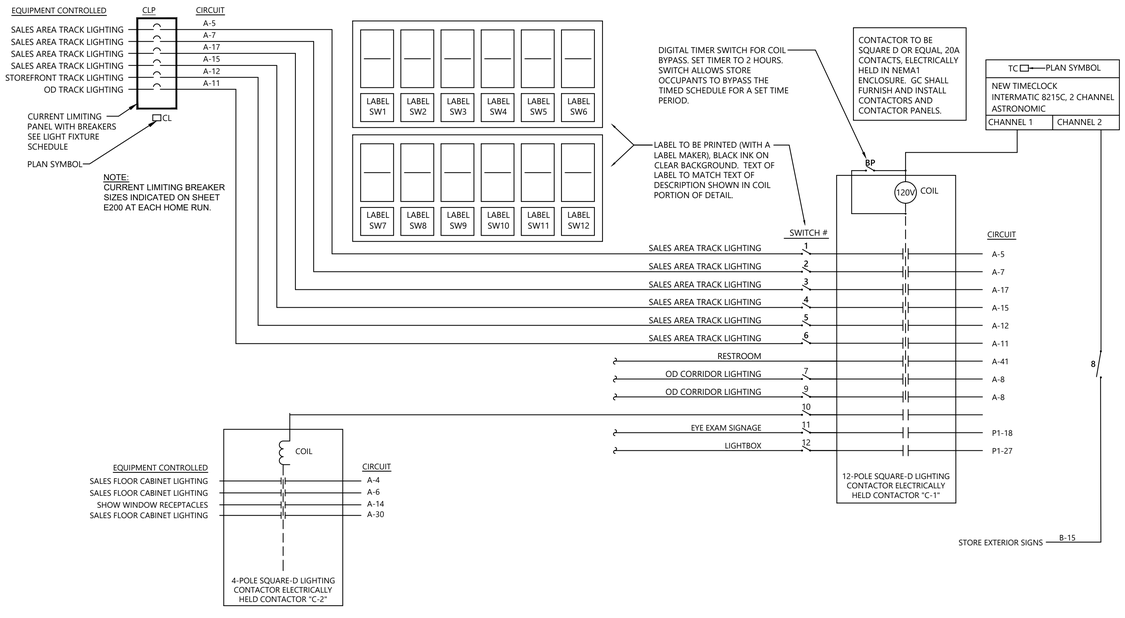
## 12 FIXTURE DETAIL




| 2'-5 1/2"W x 6'-6 3/4"H | LED WALL ELECTRICAL DEVICE DETAIL |
|---|---|

LED WALL-E011-REV08

## 7 FIXTURE DETAIL




| ED033 | SWITCH BANK AND ASSOCIATED CONTACTORS, PHOTOSWITCH WHEN EXTERIOR CONTROL IS REQUIRED |
|---|---|

ED033-E011-REV09


DESIGN & CONSTRUCTION MANAGEMENT:

**EssilorLuxottica**
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:
ELECTRICAL GENERAL NOTES & DETAILS

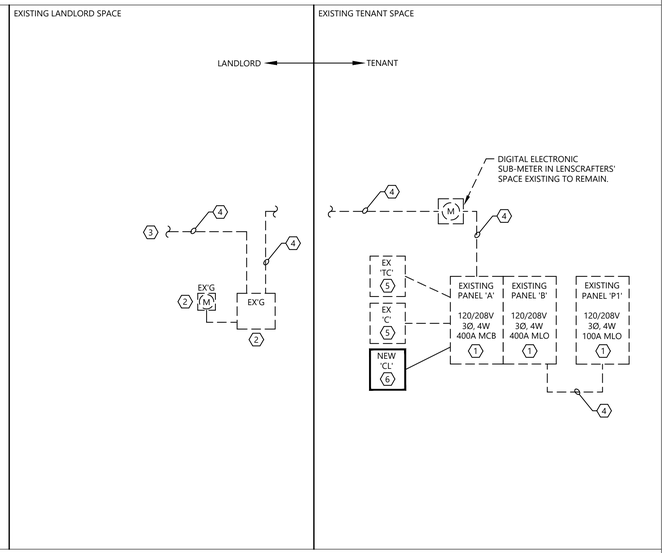
Date 05/01/2026
Drawn By M.B.
Checked By K.P./P.A

Sheet No.: E011

# C EXISTING ELECTRICAL ONE LINE DIAGRAM

## ⓧ DETAIL KEY NOTES

1. EXISTING PANEL BOARD.
2. EXISTING LANDLORD CT'S, CT CABINET, METER, AND METER SOCKET PER LOCAL UTILITY CO. REQUIREMENTS SERVING TENANT SPACE EXISTING TO REMAIN.
3. EXISTING LANDLORD ELECTRICAL DISTRIBUTION EQUIPMENT TO REMAIN.
4. EXISTING FEEDER TO REMAIN.
5. EXISTING TIME CLOCK/CONTACTOR LIGHTING CONTROLS TO REMAIN. SEE DETAIL ED033 ON SHEET E011.
6. NEW CURRENT LIMITING PANEL FOR SALES FLOOR TRACK LIGHTING.




**ED044**

ED044-LC09-E020-REV04

# A FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THE GENERAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE GENERAL CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT GENERAL CONTRACTORS COST.

BIDDING GENERAL CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

A-LC09-E020-REV04

## **GENERAL CONTRACTOR BIDDING NOTE**

THE INTENT OF THIS DESIGN IS TO REUSE AS MUCH EXISTING WIRING AND CIRCUITRY AS POSSIBLE. BEFORE BIDDING, THE GC SHALL REFER TO THE EXISTING PANEL SCHEDULES AND ASSOCIATED NOTES, AS WELL AS THE LIGHTING AND POWER PLANS (SHEETS E020, E100, E200, E210) AND EXISTING AS-BUILT ELECTRICAL DRAWINGS FOR THE SPACE (PROVIDED BY LANDLORD/ARCHITECT), TO PROVIDE A BID BASED ON THE MATERIALS AND LABOR ASSOCIATED WITH THIS METHOD.

AS A SEPARATE LINE ITEM ON THE BID FORM THE GC SHALL ALSO FORMULATE AN ALTERNATE BID BASED ON THE USE OF NEW WIRING FOR THE UNKNOWN CIRCUITS IN THE SPACE. THIS BID SHALL ALSO INCLUDE ALL MATERIALS AND LABOR ASSOCIATED WITH THIS ALTERNATE METHOD.

GC BIDDING NOTE-LC09-E020-REV04

**Panel Name: A**

Voltage: 120/208 — Panel Type: SURFACE MOUNT PANELBOARD
Amps: 400 — AIC Rating: EXISTING
MCB: MCB

NOTE: **INDICATED A GFCI TYPE CIRCUIT BREAKER

| WATTS PER PHASE A | WATTS PER PHASE B | WATTS PER PHASE C | DESCRIPTION OF LOAD | OCPD | CKT# | CKT# | OCPD | DESCRIPTION OF LOAD | WATTS PER PHASE A | WATTS PER PHASE B | WATTS PER PHASE C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | | | NEW EMERGENCY LIGHTS | 20/1 | 1 | 2 | 20/1 | NEW EXAM ROOM LIGHTS | 480 | | |
| | 760 | | NEW LAB/MEDICAL LIGHTS | 20/1 | 3 | 4 | 20/1 | NEW SALES CASE RECEPTS. | | 2160 | |
| | | 480 | NEW TRACK LIGHTS SIDE SALES | 20/1 | 5 | 6 | 20/1 | NEW SALES CASE RECEPTS. | | | 1980 |
| 480 | | | NEW TRACK LIGHTS SIDE SALES | 20/1 | 7 | 8 | 20/1 | NEW HALL LIGHTS | 960 | | |
| | 720 | | NEW BOH WORK DESK RECEPTACLES | 20/1 | 9 | 10 | 20/1 | NEW SPARE | | 0 | |
| | | 480 | NEW TRACK LIGHTS OD RECEPTION | 20/1 | 11 | 12 | 20/1 | NEW TRACK LIGHTS SHOW WINDOWS | | | 480 |
| 0 | | | NEW SPARE | 20/1 | 13 | 14 | 20/1 | (E) SHOW WINDOW RECEPTACLES | 1000 | | |
| | 480 | | NEW TRACK LIGHTS CENTER SALES | 20/1 | 15 | 16 | 20/1 | NEW O.D. ADMIN RECEPTACLES | | 720 | |
| | | 480 | NEW TRACK LIGHTS FRONT SALES | 20/1 | 17 | 18 | 20/1 | (E) CONDENSATE PUMP | | | 816 |
| 180 | | | (E) TIME CLOCK | 20/1 | 19 | 20 | 20/1 | NEW MANAGER'S OFFICE RECEPS | 720 | | |
| | 720 | | NEW EXAM ROOM #1 RECEPTACLES | 20/1 | 21 | 22 | 20/1 | NEW DISPENSING TABLES | | 360 | |
| | | 540 | NEW EXAM ROOM #1 RECEPTACLES | 20/1 | 23 | 24 | 20/1 | NEW DISPENSING TABLES | | | 360 |
| 540 | | | NEW EXAM ROOM #1 RECEPTACLES | 20/1 | 25 | 26 | 20/1 | NEW DISPENSING TABLES | 360 | | |
| | 720 | | NEW EXAM ROOM #3 RECEPTACLES | 20/1 | 27 | 28 | 20/1 | NEW DISPENSING TABLES | | 360 | |
| | | 540 | NEW EXAM ROOM #3 RECEPTACLES | 20/1 | 29 | 30 | 20/1 | NEW SALES CASE RECEPTS. | | | 2160 |
| 540 | | | NEW EXAM ROOM #3 RECEPTACLES | 20/1 | 31 | 32 | 20/1 | NEW SALES AREA RECEPTACLES | 720 | | |
| | 1800 | | NEW PRETEST #1 RECEPTACLES | 20/1 | 33 | 34 | 20/1 | NEW TECH RACK | | 360 | |
| | | 360 | NEW PRETEST #1 RECEPTACLES | 20/1 | 35 | 36 | 20/1 | NEW O.D. BACKWRAP MONITOR RECEPTACLES | | | 360 |
| 1000 | | | NEW RAY BAN LED LOGO | 20/1 | 37 | 38 | 20/1 | NEW O.D. BACKWRAP CABINET RECEPTACLES | 400 | | |
| | 0 | | NEW SPARE | 20/1 | 39 | 40 | 20/1 | NEW HAND DRYER | | 1200 | |
| | | 662 | (E) BATHROOM LIGHTS AND FANS | 20/1 | 41 | 42 | 20/1 | NEW HAND DRYER | | | 1200 |
| 3240 | 5200 | 3542 | Totals | | | | | Totals | 4640 | 5160 | 7356 |

Load Characteristics:

| | | | |
|---|---|---|---|
| Total Load, Phase A: | 7880 | Amps per Phase A: | 66 |
| Total Load, Phase B: | 10360 | Amps per Phase B: | 86 |
| Total Load, Phase C: | 10898 | Amps per Phase C: | 91 |
| Total Panel Load: | 82508 | Total Amps (assumes balanced): | 229 |

**Panel Name: B**

Voltage: 120/208 — Panel Type: SURFACE MOUNT PANELBOARD
Amps: 400 — AIC Rating: EXISTING
MCB: MLO

NOTE: **INDICATED A GFCI TYPE CIRCUIT BREAKER

| WATTS PER PHASE A | WATTS PER PHASE B | WATTS PER PHASE C | DESCRIPTION OF LOAD | OCPD | CKT# | CKT# | OCPD | DESCRIPTION OF LOAD | WATTS PER PHASE A | WATTS PER PHASE B | WATTS PER PHASE C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | NEW SPARE | 20/2 | 1 | 2 | 20/2 | NEW SPARE | 0 | | |
| | 0 | | | | 3 | 4 | | | | 0 | |
| | | 0 | NEW SPARE | 30/1 | 5 | 6 | 20/1 | NEW O.D. RECEPTION DESK RECEPTACLES | | | 540 |
| 5220 | | | (E) SUB PANEL P1 | 100/3 | 7 | 8 | 20/1 | NEW O.D. RECEPTION DESK RECEPTACLES | 720 | | |
| | 8200 | | | | 9 | 10 | 20/1 | NEW COFFEE/WATER DISPENSER | | 800 | |
| | | 4500 | | | 11 | 12 | 40/2 | NEW WATER HEATER | | | 3000 |
| 0 | | | NEW SPARE | 20/1 | 13 | 14 | | | 3000 | | |
| | 1200 | | NEW SIGNAGE ENTRANCE | 30/1 | 15 | 16 | 20/1 | NEW RECIRCULATION PUMP | | 100 | |
| | | 540 | NEW MEDICAL ROOM RECEPTACLES | 20/1 | 17 | 18 | 20/1 | NEW NAMING MIRROR | | | 500 |
| 540 | | | NEW DED MEDICAL ROOM RECEPTACLE | 20/1 | 19 | 20 | 20/1 | NEW TECH RACK | 360 | | |
| | 900 | | NEW MEDICAL ROOM RECEPTACLES | 20/1 | 21 | 22 | 20/1 | NEW SPARE | | 0 | |
| | | 1800 | NEW PRETEST #2 RECEPTACLES | 20/1 | 23 | 24 | 20/1 | NEW KITCHEN RECEPTACLES | | | 360 |
| 720 | | | NEW PRETEST #2 RECEPTACLES | 20/1 | 25 | 26 | 20/1 | NEW MICROWAVE | 1000 | | |
| | 360 | | NEW CONTACT LENS RECEPTACLES | 20/1 | 27 | 28 | 20/1 | NEW SPARE | | 0 | |
| | | 1440 | (E) EMON DMON METER | 15/3 | 29 | 30 | 15/3 | (E) FC-2 | | | 864 |
| 1440 | | | | | 31 | 32 | | | 864 | | |
| | 1440 | | | | 33 | 34 | | | | 864 | |
| | | 961 | NEW AHU-1 | 15/3 | 35 | 36 | 40/3 | (E) CU-2 | | | 3072 |
| 961 | | | | | 37 | 38 | | | 3072 | | |
| | 961 | | | | 39 | 40 | | | | 3072 | |
| | | 0 | NEW SPARE | 20/1 | 41 | 42 | 20/1 | NEW SPARE | | | 0 |
| 8880.711 | 13060.71 | 9240.711 | Totals | | | | | Totals | 9016 | 4836 | 8336 |

Load Characteristics:

| | | | |
|---|---|---|---|
| Total Load, Phase A: | 17897 | Amps per Phase A: | 149 |
| Total Load, Phase B: | 17897 | Amps per Phase B: | 149 |
| Total Load, Phase C: | 17577 | Amps per Phase C: | 146 |
| Total Panel Load: | 53370 | Total Amps (assumes balanced): | 148 |

## SPECIAL POWER CONNECTIONS SCHEDULE

| TAG | DESCRIPTION | POWER HP | POWER WATTS | MAX FUSE | MCA | FLA | VOLT/PH | DISC. | STARTER | FEEDER | CIRCUIT | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WH-1 | ELECTRIC WATE HEATER | - | 6000 | 40 | 36 | 28 | 208/1 | NFSSW | N/A | 3#8 & 1#10G-1"C | B-12,14 | 1 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

NOTES:
1. COORDINATE WITH MECHANICAL CONTRACTOR AND SUPPLIER ALL STARTERS AND DISCONNECTS. PROVIDE AS REQUIRED.

MAN-MANUAL STARTER WITH OVERLOAD; FSSW - FUSED SAFETY SWITCH; NFSSW - NON FUSED SAFETY SWITCH

## MOTOR POWER CONNECTIONS SCHEDULE

| TAG | DESCRIPTION | POWER HP | POWER WATTS | MAX FUSE | MCA | FLA | VOLT/PH | DISC. | STARTER | FEEDER | CIRCUIT | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AHU-1 | AIR HANDLER UNIT #1 | - | | 15/3 | 8 | - | 208/3 | NFSSW | | 3#12 & 1#12G-3/4"C | B-35,37,39 | 2 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

NOTES:
1. NOT USED.
2. COORDINATE WITH MECHANICAL CONTRACTOR AND SUPPLIER ALL STARTERS AND DISCONNECTS. PROVIDE AS REQUIRED
3. NOT USED.

MAN-MANUAL STARTER WITH OVERLOAD; FSSW-FUSED SAFETY SWITCH; NFSSW - NON FUSED SAFETY SWITCH

## ELECTRICAL LOAD SUMMARY

| LOAD DESCRIPTION | CONNECTED LOAD (KW) | DEMAND FACTOR | DEMAND FACTOR (KW) |
|---|---|---|---|
| LIGHTING | 3.96 | 1.25 | 4.95 |
| TRACK LIGHTING | 2.88 | CURRENT LIMITED *1.25 | 3.60 |
| SHOW WINDOW RECEPTACLES | 1.00 | 1 | 1.00 |
| SIGNAGE | 3.06 | 1.25 | 3.83 |
| RECEPTACLES | 28.88 | <10K=100%; >10k=10k+50%>10k | 19.44 |
| EQUIPMENT | 16.28 | 1 | 16.28 |
| WATER HEATING | 6.00 | 1.25 | 7.50 |
| HVAC | 20.45 | 1.25*(LARGEST MOTOR)+1*(REST OF HVAC LOAD) | 22.75 |
| | | | |
| TOTALS: | 82.508 | TOTALS: | 79.35 |
| AMPS (120V) | 229.3 | AMPS (120V) | 220.5 |

**Panel Name: P1**

Voltage: 120/208 — Panel Type: SURFACE MOUNT PANELBOARD
Amps: 100 — AIC Rating: EXISTING
MCB: MLO

NOTE: **INDICATED A GFCI TYPE CIRCUIT BREAKER

| WATTS PER PHASE A | WATTS PER PHASE B | WATTS PER PHASE C | DESCRIPTION OF LOAD | OCPD | CKT# | CKT# | OCPD | DESCRIPTION OF LOAD | WATTS PER PHASE A | WATTS PER PHASE B | WATTS PER PHASE C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 720 | | | NEW EXAM #2 RECEPTACLES | 20/1 | 1 | 2 | 20/3 | (E) AIR COMPRESSOR | 1920 | | |
| | 540 | | NEW EXAM #2 RECEPTACLES | 20/1 | 3 | 4 | | | | 1920 | |
| | | 540 | NEW EXAM #2 RECEPTACLES | 20/1 | 5 | 6 | | | | | 1920 |
| 0 | | | NEW SPARE | 20/1 | 7 | 8 | 20/1 | NEW REFRIGERATOR | 600 | | |
| | 0 | | NEW SPARE | 20/1 | 9 | 10 | 20/1 | NEW LAB RECEPTACLE EQ47E | | 1800 | |
| | | 0 | NEW SPARE | 20/1 | 11 | 12 | 20/1 | NEW O.D. CONVENIENCE RECEPTACLES | | | 360 |
| 360 | | | NEW DEDICATED LAB RECEPTACLE | 20/1 | 13 | 14 | 20/1 | NEW CASH TABLE RECEPTACLES | 360 | | |
| | 720 | | NEW LAB RECEPTACLES | 20/1 | 15 | 16 | 20/1 | NEW CASH TABLE RECEPTACLES | | 720 | |
| | | 180 | NEW DEDICATED LAB RECEPTACLE | 20/1 | 17 | 18 | 20/1 | NEW EYE EXAM SIGNAGE | | | 360 |
| 0 | | | NEW SPARE | 30/3 | 19 | 20 | 20/1 | NEW RETAIL BACKWRAP MONITOR RECEP | 360 | | |
| | 0 | | | | 21 | 22 | 20/1 | NEW RETAIL BACKWRAP CABINET RECEP | | 400 | |
| | | 0 | | | 23 | 24 | 20/1 | NEW DIGITAL MONITOR | | | 600 |
| 300 | | | NEW LED WALL | 20/1 | 25 | 26 | 20/1 | NEW DIGITAL MONITOR | 600 | | |
| | 300 | | NEW LIGHTBOX VIA CONTACTOR | 20/1 | 27 | 28 | 20/1 | NEW LAB RECEPTACLES EQ45D | | 1800 | |
| | | 360 | NEW TECH RACK | 20/1 | 29 | 30 | 20/1 | NEW TECH RACK | | | 180 |
| 1380 | 1560 | 1080 | Totals | | | | | Totals | 3840 | 6640 | 3420 |

Load Characteristics:

| | | | |
|---|---|---|---|
| Total Load, Phase A: | 5220 | Amps per Phase A: | 44 |
| Total Load, Phase B: | 8200 | Amps per Phase B: | 68 |
| Total Load, Phase C: | 4500 | Amps per Phase C: | 38 |
| Total Panel Load: | 17920 | Total Amps (assumes balanced): | 50 |

# B FIRESTOP SCHEDULE - ELECTRICAL

| TYPE OF PENETRANT | F-RATING (HR) | CONCRETE FLOOR | CONCRETE OR BLOCK WALLS | GYPSUM WALLS | WOOD FLOORS | BASIS OF DESIGN HILTI PRODUCTS |
|---|---|---|---|---|---|---|
| | | BASIS OF DESIGN U.L. SYSTEM | | | | |
| METAL PIPES OR CONDUIT | 1 | C-AJ-1226, F-A-1017, F-A-1028, F-B-1026 | C-AJ-1226, W-J-1020, W-J-1067 | W-L-1054, W-L-1058, W-L-1164, W-L-1506, W-L-5029 | F-C-1009, F-C-1059, F-C-1168 | CFS-D, CFS-DID, CFS-S SIL GG, CFS-S SIL SL, CFS-SP WB, CP 606, CP 637, CP 680-M, CP 680-P, FS-ONE MAX, MINERAL WOOL |
| | 2 | C-AJ-1140, C-AJ-1630, F-A-1017, F-A-1028, F-B-1026 | C-AJ-1226, W-J-1020, W-J-1067, W-J-1248 | W-L-1054, W-L-1058, W-L-1164, W-L-1506, W-L-5029 | F-C-1009, F-C-1059, F-C-1168 | |
| | 3 | C-AJ-1140, C-AJ-1226, C-AJ-1630, F-A-1017, F-B-1026 | C-AJ-1226, W-J-1041, W-J-1068 | W-L-1252, W-L-5029 | - | |
| | 4 | C-AJ-1630, C-BJ-1034, C-BJ-1037, F-A-1091 | C-BJ-1034, C-BJ-1037, W-J-1041, W-J-1042, W-J-1068 | W-L-1110, W-L-1111, W-L-1165, W-L-1252 | - | |
| | 1 | C-AJ-2098, C-AJ-2109, C-AJ-2167, C-A-2271, C-AJ-2342, C-BJ-2021, F-A-2025 | C-AJ-2098, C-AJ-2109, C-AJ-21067, C-AJ-2342, C-AJ-2371 | W-L-1252, W-L-2075, W-L-2078, W-L-2128, W-L-2447 | F-C-2030, F-C-2160, F-C-2232, F-C-2389 | |
| | 2 | C-AJ-2098, C-AJ-2109, C-AJ-2167, C-A-2271, C-AJ-2342, C-BJ-2021, F-A-2025, F-A- | C-AJ-2098, C-AJ-2109, C-AJ-2167, C-AJ-2342, C-AJ-2371 | W-L-1252, W-L-2075, W-L-2078, W-L-2128, W-L-2447 | F-C-2029, F-C-2030, F-C-2128, F-C-2160 | |
| | 3 | F-A-2054, C-AJ-2109, C-AJ-2098, C-AJ-2371, C-AJ-2342 | C-AJ-2098, C-AJ-2109, C-AJ-2342, C-AJ-2371 | W-L-1252, W-L-2184, W-L-2245, W-L-2447 | - | |
| | 4 | C-AJ-2017, C-BJ-2016, F-A-2166 | C-BJ-2017, W-J-2057, W-J-2091 | W-L-1252, W-L-2184, W-L-2245, W-L-2447 | - | |
| SINGLE OR BUNDLED CABLES | 1 | C-AJ-2095, C-AJ-3180, C-AJ-3283, F-A-3007, F-A-3060 | C-AJ-3095, W-J-3036, W-J-3060, W-J-3167, W-J-3189 | W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3385, W-L-3396, W-L-3413 | F-C-3012, F-C-3044, F-C-3110 | CFS-CC, CFS-COS, CFS-D, CFS-PL, CFS-S SIL GG, CFS-T, CP 606, CP 617, CP 618, CP 619 T, CP 653 BA, CP 680-M, CP 680-P |
| | 2 | C-AJ-3095, C-AJ-3180, C-AJ-3283, C-AJ-8250, F-A-3007, F-A-3060 | C-AJ-3095, C-AJ-8250, W-J-3036, W-J-3060, W-J-3167, W-J-3189 | W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3385, W-L-3396, W-L-3413 | F-C-3012, F-C-3110 | |
| | 3 | C-AJ-3095, C-AJ-3180, C-AJ-3285, C-AJ-8250, F-A-3007 | C-AJ-3095, C-AJ-8180, C-AJ-8250, W-J-3167 | W-L-3277, W-L-3334, W-L-3385 | - | |
| | 4 | C-AJ-8250, C-BJ-3031, C-BJ-3032 | C-AJ-8250, C-BJ-3031, W-J-3050, W-J-3167 | W-L-3139, W-L-3277, W-L-3334 | - | |

NOTES:
1. BASIS OF DESIGN SHALL BE HILTI, INC. OTHER ASTM E814 AND U.L. 1479 LISTED THROUGH PENETRATION SYSTEMS ARE ACCEPTABLE.
2. SCHEDULE DOES NOT INCLUDE ALL LISTED THROUGH PENETRATION SYSTEMS. REFER TO MANUFACTURER'S TECHNICAL LIBRARY: (hilti.com/firestops) or (constructionplatform.hilti.com).
3. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE U.L.-CLASSIFIED SYSTEM SELECTED.
4. IF JOBSITE CONDITIONS DO NOT MATCH ANY U.L.-CLASSIFIED SYSTEMS IN SCHEDULE ABOVE, CONTACT HILTI FOR ALTERNATIVE SYSTEMS.
5. WHERE MORE THAN ONE APPLICABLE U.L.-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE U.L. SYSTEM WHICH IS MOST ECONOMICAL FOR EACH.
6. COORDINATE WORK WITH OTHER TRADES TO ASSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRATION LOCATIONS, AND VICE VERSA.
7. REFER TO ARCHITECTURAL DRAWINGS FOR WALL AND FLOOR RATINGS.
8. SUBMIT SHOP DRAWING OF EACH PROPOSED PENETRATION SYSTEM FOR APPROVAL BY ENGINEER.
9. MAINTAIN A LOG BOOK OF PENETRATION SYSTEM USED ALONG WITH MANUFACTURER'S SYSTEM. LOG BOOK SHALL BE AVAILABLE FOR INSPECTION BY AHJ AND/OR ENGINEER.
10. ALL NON METALLIC PIPE OR CONDUIT PENETRATIONS ARE APPROVED FOR USE ONLY IN UNITED STATES.

C-LC09-E020-REV04


DESIGN & CONSTRUCTION MANAGEMENT:
EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name: ELECTRICAL PANEL SCHEDULE(S)

Date 05/01/2026
Drawn By M.B.
Checked By K.P./P.A.

Sheet No.: E020

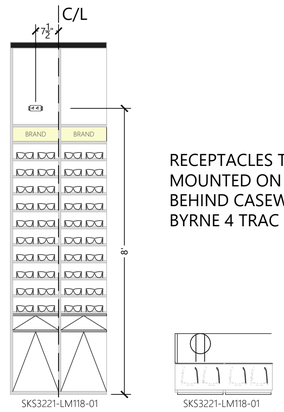
## 1 FIXTURE ELEVATION




NO POWER REQUIREMENTS

**SKS1621-MNBZM** | MIRROR UNIT

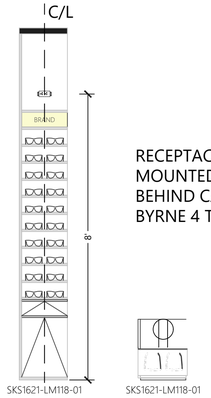
## 2 FIXTURE ELEVATION




RECEPTACLES TO BE MOUNTED ON WALL BEHIND CASEWORK PER BYRNE 4 TRAC SYSTEM

**SKS3221-LM118-01** | 32" WALL UNIT

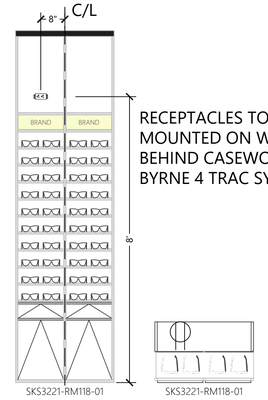
## 3 FIXTURE ELEVATION




RECEPTACLES TO BE MOUNTED ON WALL BEHIND CASEWORK PER BYRNE 4 TRAC SYSTEM

**SKS1621-LM118-01** | 16" WALL UNIT

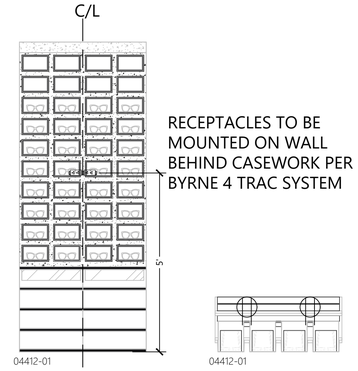
## 4 FIXTURE ELEVATION




RECEPTACLES TO BE MOUNTED ON WALL BEHIND CASEWORK PER BYRNE 4 TRAC SYSTEM

**SKS3221-RM118-01** | 32" WALL UNIT

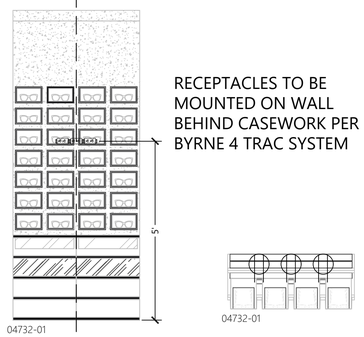
## 5 FIXTURE ELEVATION




RECEPTACLES TO BE MOUNTED ON WALL BEHIND CASEWORK PER BYRNE 4 TRAC SYSTEM

**04412-01** | 42" WALL UNIT

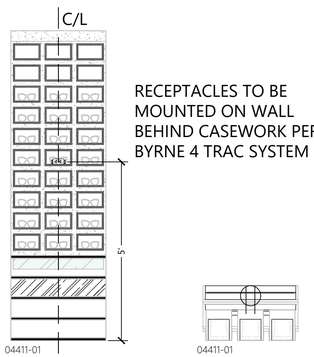
## 6 FIXTURE ELEVATION




RECEPTACLES TO BE MOUNTED ON WALL BEHIND CASEWORK PER BYRNE 4 TRAC SYSTEM

**04732-01** | WALL UNIT 42"

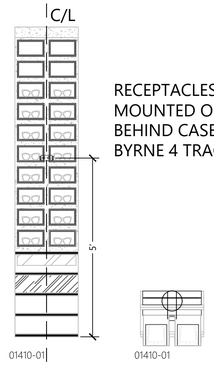
## 7 FIXTURE ELEVATION




RECEPTACLES TO BE MOUNTED ON WALL BEHIND CASEWORK PER BYRNE 4 TRAC SYSTEM

**04411-01** | 32" WALL UNIT

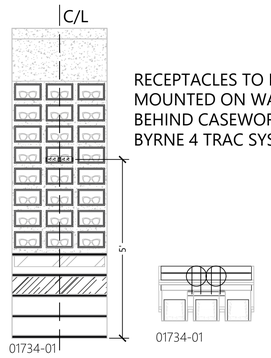
## 8 FIXTURE ELEVATION




RECEPTACLES TO BE MOUNTED ON WALL BEHIND CASEWORK PER BYRNE 4 TRAC SYSTEM

**01410-01** | 21" WALL UNIT

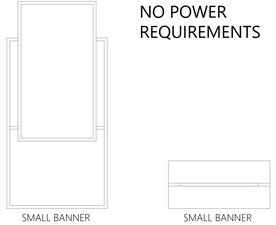
## 9 FIXTURE ELEVATION




RECEPTACLES TO BE MOUNTED ON WALL BEHIND CASEWORK PER BYRNE 4 TRAC SYSTEM

**01734-01** | 32" WALL UNIT

## 10 FIXTURE ELEVATION




NO POWER REQUIREMENTS

**SMALL BANNER**

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica

NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number: 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

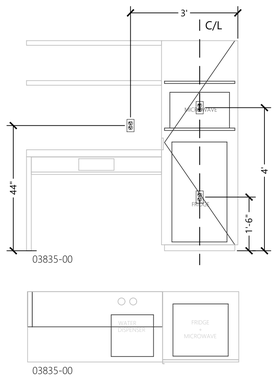
| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:
ELECTRICAL CASEWORK DETAILS

Date: 05/01/2026
Drawn By: M.B.
Checked By: K.P./P.A

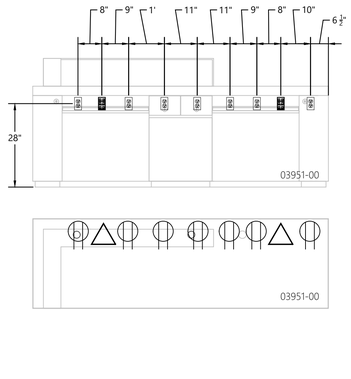
Sheet No.:
E030

## 1 FIXTURE ELEVATION



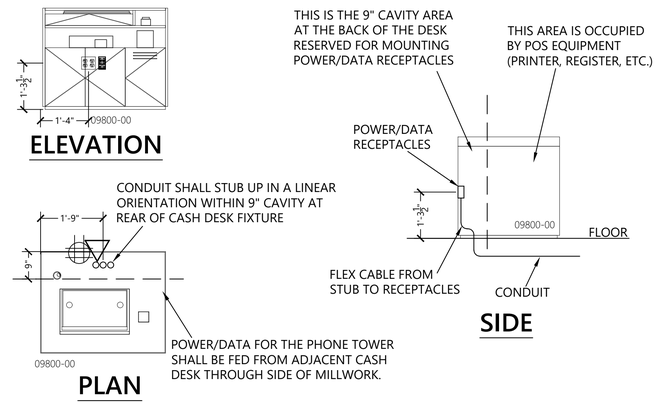

| 03835-00 | BOH WORK DESK |
|---|---|

## 2 FIXTURE ELEVATION




| 03951-00 | OD DESK |
|---|---|

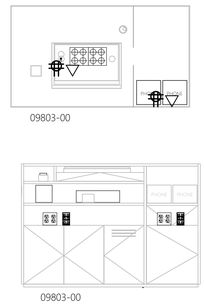
## 3 FIXTURE ELEVATION




| 09800-00 | CASH DESK |
|---|---|

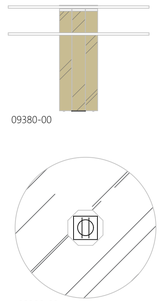
09801-00-LC09-E031-REV08

## 4 FIXTURE ELEVATION



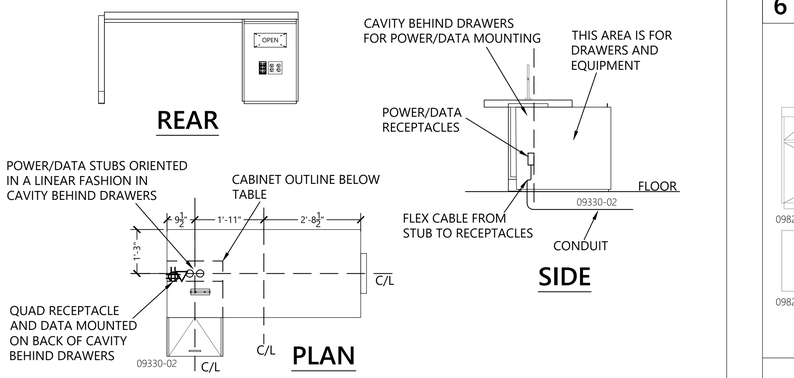

| 09803-00 | CASH DESK |
|---|---|

## 11 FIXTURE ELEV




| 09380-00 | DISPLAY TABLE |
|---|---|

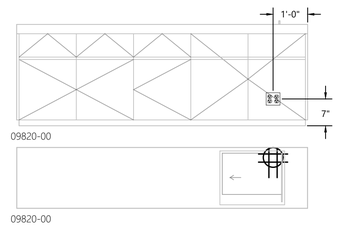
## 5 FIXTURE ELEVATION




| 09330-02 | DISPENSING TABLE |
|---|---|

09330-02-LC09-E031-REV09

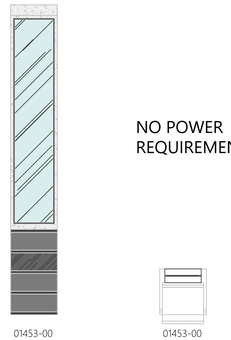
## 6 FIXTURE ELEVATION




| 09820-00 | RETAIL BACKWRAP CABINET |
|---|---|

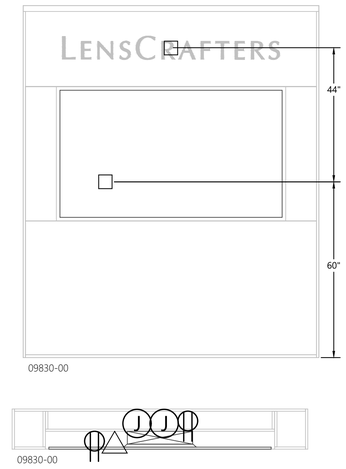
09820-00-LC09-E031-REV04

## 7 FIXTURE ELEVATION



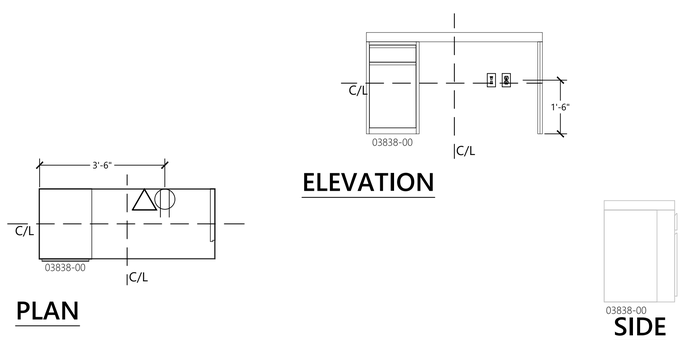

| 01453-00 | MIRROR CABINET 350 G&B |
|---|---|

## 8 FIXTURE ELEVATION



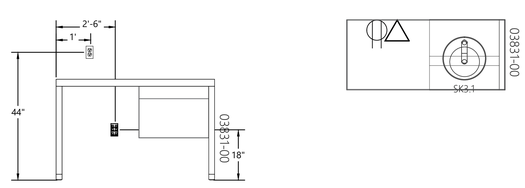

| 09830-00 | RETAIL BACKWRAP WALL |
|---|---|

## 9 FIXTURE ELEVATION




| 03838-00 | ADMIN OFFICE DESK |
|---|---|

## 10 FIXTURE ELEVATION




| 03831 | CONTACT DESK |
|---|---|

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

EssilorLuxottica Project Number: 101399

Brand Design Type:
LC09

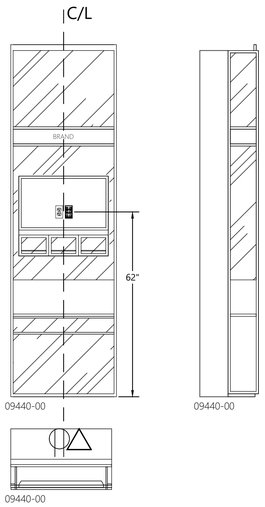
ISSUED FOR:
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☐ PERMIT ☐ BULLETIN

Sheet Name:
ELECTRICAL CASEWORK DETAILS

Date: 05/01/2026
Drawn By: M.B.
Checked By: K.P./P.A.

Sheet No.: E031

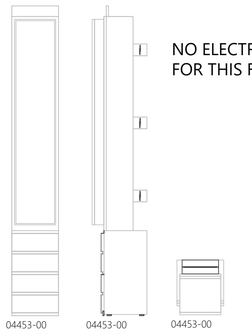
## 1 FIXTURE ELEVATION




| 09440-00 | MONITOR UNIT |
|---|---|

09440-00-LC09-E032-REV05

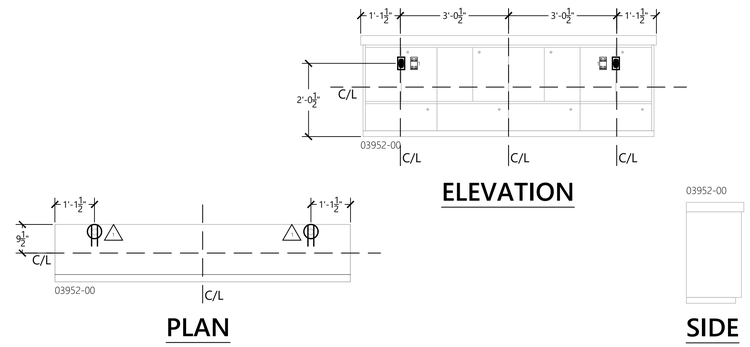
## 2 FIXTURE ELEVATION




| 04453-00 | 16" WALL UNIT |
|---|---|

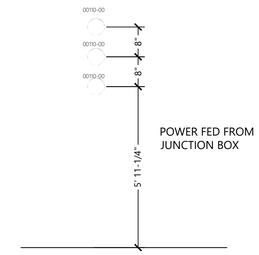
04453-00-LC09-E030

## 3 FIXTURE ELEVATION



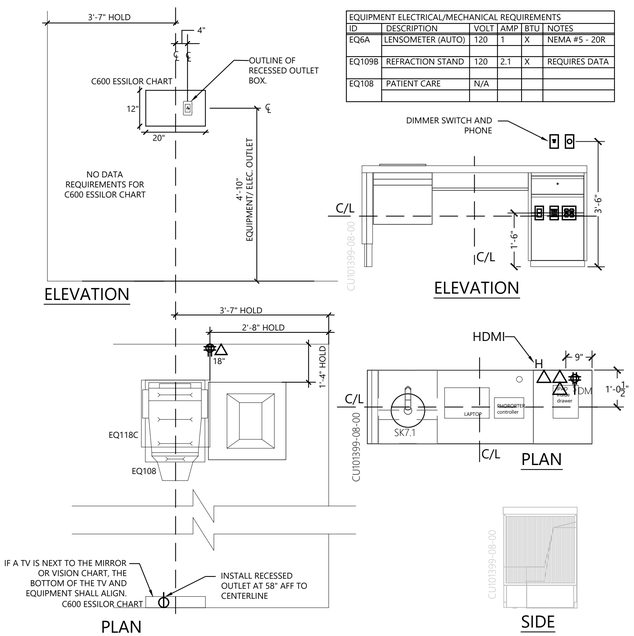

| 03952-00 | O.D. BACKWRAP CABINET |
|---|---|

## 4 FIXTURE ELEVATION




| 00110-00 | GENERAL WALL SCONCE |
|---|---|

## 5 FIXTURE ELEVATION

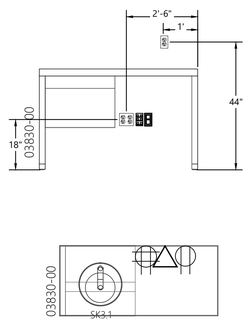



| EQUIPMENT ELECTRICAL/MECHANICAL REQUIREMENTS | | | | | |
|---|---|---|---|---|---|
| ID | DESCRIPTION | VOLT | AMP | BTU | NOTES |
| EQ6A | LENSOMETER (AUTO) | 120 | 1 | X | NEMA #5 - 20R |
| EQ109B | REFRACTION STAND | 120 | 2.1 | X | REQUIRES DATA |
| EQ108 | PATIENT CARE | N/A | | | |

| E114 | REFRACTION (EXAM) ROOM ELECTRICAL INFORMATION C600 ESSILOR CHART IN FRONT OF EQ108 CHAIR |
|---|---|

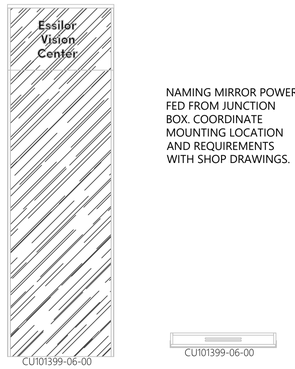
E114-LC09-E030-REV06

## 6 FIXTURE ELEVATION




| 03830 | CONTACT DESK |
|---|---|

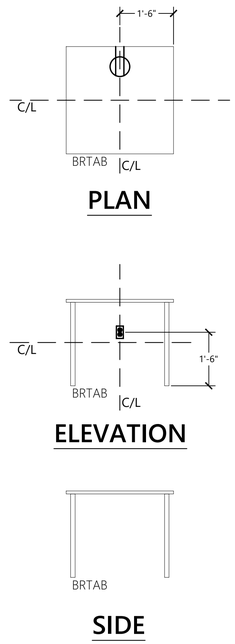
## 7 FIXTURE ELEVATION




NAMING MIRROR POWER FED FROM JUNCTION BOX. COORDINATE MOUNTING LOCATION AND REQUIREMENTS WITH SHOP DRAWINGS.

| CU101399-06 | OD NAMING MIRROR |
|---|---|

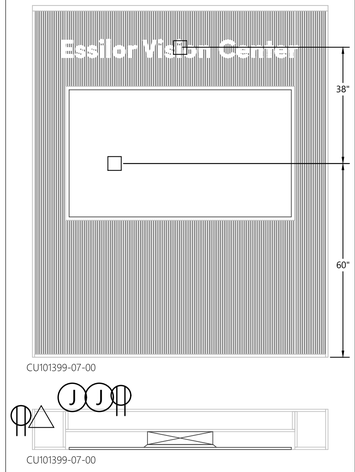
## 9 FIXTURE ELEVATION




| BRTAB | BOH |
|---|---|

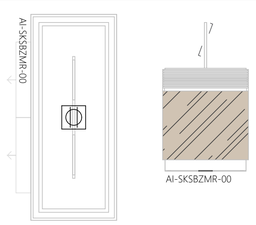
## 8 FIXTURE ELEVATION

POWER/DATA SHALL BE FED FROM WALL INTO BACKWRAP CABINET FOR POWER/DATA RECEPTACLES MOUNTED WITHIN. COORDINATE WITH FURNITURE VENDOR FOR CONNECTION AND MOUTNING REQUIREMENTS.




| CU101399-07 | OD BACKWRAP |
|---|---|

## 10 FIXTURE ELEV




| AI-SKSBZMR-00 | DISPLAY TABLE |
|---|---|

DESIGN & CONSTRUCTION MANAGEMENT:


EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


STORE 518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

EssilorLuxottica Project Number 101399

Brand Design Type:
LC09

ISSUED FOR:
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☐ PERMIT ☐ BULLETIN

Sheet Name:
ELECTRICAL CASEWORK DETAILS

Date 05/01/2026
Drawn By M.B.
Checked By K.P./P.A.

Sheet No.:
E032

## A KEY NOTES - ELECTRICAL DEMOLITION

1. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING LIGHT FIXTURES. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING EMERGENCY EGRESS LIGHTING AND EXIT SIGNS, UNLESS OTHERWISE NOTED.
2. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING LIGHT SWITCHES.
3. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING CEILING AND/OR WALL RECEPTACLES.
4. MAINTAIN EXISTING FIRE ALARM DEVICES (IF ANY), UNLESS OTHERWISE NOTED.
5. DISCONNECT, REMOVE, AND SITE CLEAR ALL EXISTING LOW VOLTAGE WIRING NOT USED FOR REMAINING ITEMS.
6. DISCONNECT, REMOVE, AND SITE CLEAR ALL EXISTING DEVICES IN / ON WALLS SCHEDULED FOR DEMOLITION. LINE VOLTAGE AND LOW VOLTAGE DEVICES. MAINTAIN ANY EXISTING CIRCUITING AND UPSTREAM DEVICES IF ANY EXISTING DEVICES ARE TO REMAIN.
7. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING PHONE EQUIPMENT, WIRING, ETC. SALVAGE ANY EXISTING EQUIPMENT TO BE REUSED WITH NEW SYSTEMS. VERIFY EXTENT OF WORK IN FIELD. PROVIDE NEW PHONE BOARD AND RACK PER DRAWINGS. PROVIDE 2" TELCO SERVICE CONDUIT AND WIRING TO NEW RACK LOCATION FROM LANDLORD DEMARCATION POINT.
8. DISCONNECT, REMOVE, AND SITE CLEAR SOUND SYSTEM AND SPEAKERS.
9. DISCONNECT, REMOVE, AND SITE CLEAR SECURITY SYSTEM AND CAMERAS.
10. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING PHONE BOARD. SALVAGE ANY EXISTING EQUIPMENT TO BE REUSED WITH NEW SYSTEMS. VERIFY EXTENT OF WORK IN FIELD. PROVIDE NEW PHONEBOARD AND RACK PER DRAWINGS. PROVIDE / EXTEND SERVICE CONDUIT AND WIRING TO NEW PHONE BOARD LOCATION.
11. DISCONNECT AND REMOVE POWER CIRCUIT TO EXISTING AHU-1 AND PROVIDE NEW THREE POLE, 15AMP CIRCUIT TO NEW AIR HANDLER UNIT IN SAME LOCATION. CONFIRM EXISTING OR PROVIDE NEW 3#12 WIRES. PROVIDE NEW WIRING, ETC. PER ALL NOTES ON MECHANICAL DRAWINGS.
12. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING POWER TO EXTERIOR BUILDING SIGNAGE. EXISTING CONDUIT AND WIRING TO REMAIN FOR FUTURE USE.
13. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING POWER TO WATER HEATER.
14. MAINTAIN EXISTING POWER TO EXHAUST FAN, AIR HANDLER UNIT. OR CONDENSING UNIT, UNLESS OTHERWISE NOTED.
15. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING INFLOOR POWER AND OR LOW VOLTAGE WIRING AND PATCH FLOOR AS REQUIRED.

A-LC09-E100-REV04

## B GENERAL DEMOLITION NOTES

A. IN EVERY INSTANCE OF DEMOLITION AND/OR REMODELING, THE E.C. SHALL FIGURE A COMPLETE JOB AS NONE OTHER SHALL BE ACCEPTED.

B. THE DRAWINGS ARE TO BE USED ONLY AS A GUIDELINE FOR DEMOLITION. THE E.C. MUST VISIT THE SITE PRIOR TO BIDDING TO VERIFY ALL WORK REQUIRED FOR A COMPLETE JOB & INCLUDE THE COST OF SUCH WORK IN HIS BID.

C. THE E.C. SHALL MAINTAIN EXISTING SERVICES TO AND IN THE EXISTING AREA AS REQUIRED.

D. IF NECESSARY, THE E.C. SHALL PROVIDE TEMPORARY SERVICES IN THE EXISTING AREAS.

E. NOT USED.

F. ELECTRICAL EQUIPMENT & DEVICES SHALL BE REMOVED COMPLETE INCLUDING CONDUIT & WIRE.

G. FLUSH MOUNTED WALL OUTLETS SHALL BE REMOVED AND THE WALL PATCHED AND FINISHED TO MATCH THE ADJACENT WALL FINISHES.

H. ANY EXISTING CONDUIT, WIRING AND/OR ELECTRICAL & MECHANICAL DEVICES BEING DISTURBED BY THE WORK SHALL BE REWORKED BY THIS CONTRACTOR AS REQUIRED TO RETURN TO ITS FORMER EXISTING OPERATING CONDITION.

I. ANY CIRCUITS FEEDING THROUGH DEVICES OR EQUIPMENT BEING RELOCATED, REWORKED, OR ABANDONED & SERVING OTHER ELECTRICAL DEVICES, AND/OR EQUIPMENT SHALL BE MAINTAINED BY PROVIDING J-BOXES OR OTHER ACCEPTABLE METHOD AS REQUIRED.

J. ALL WALLS, CEILINGS, FLOORS, ETC., BEING DISTURBED BY THE WORK SHALL BE RETURNED TO FINISHED CONDITIONS TO MATCH EXISTING BY THE E.C. & THEY SHALL DO THEIR OWN CUTTING & PATCHING AS NECESSARY UNDER THEIR CONTRACT.

K. EXISTING MATERIALS SHALL BE TURNED OVER TO THE OWNER. IF NOT REQUIRED BY OWNER, THE E.C. SHALL REMOVE THESE MATERIALS FROM THE PREMISES.

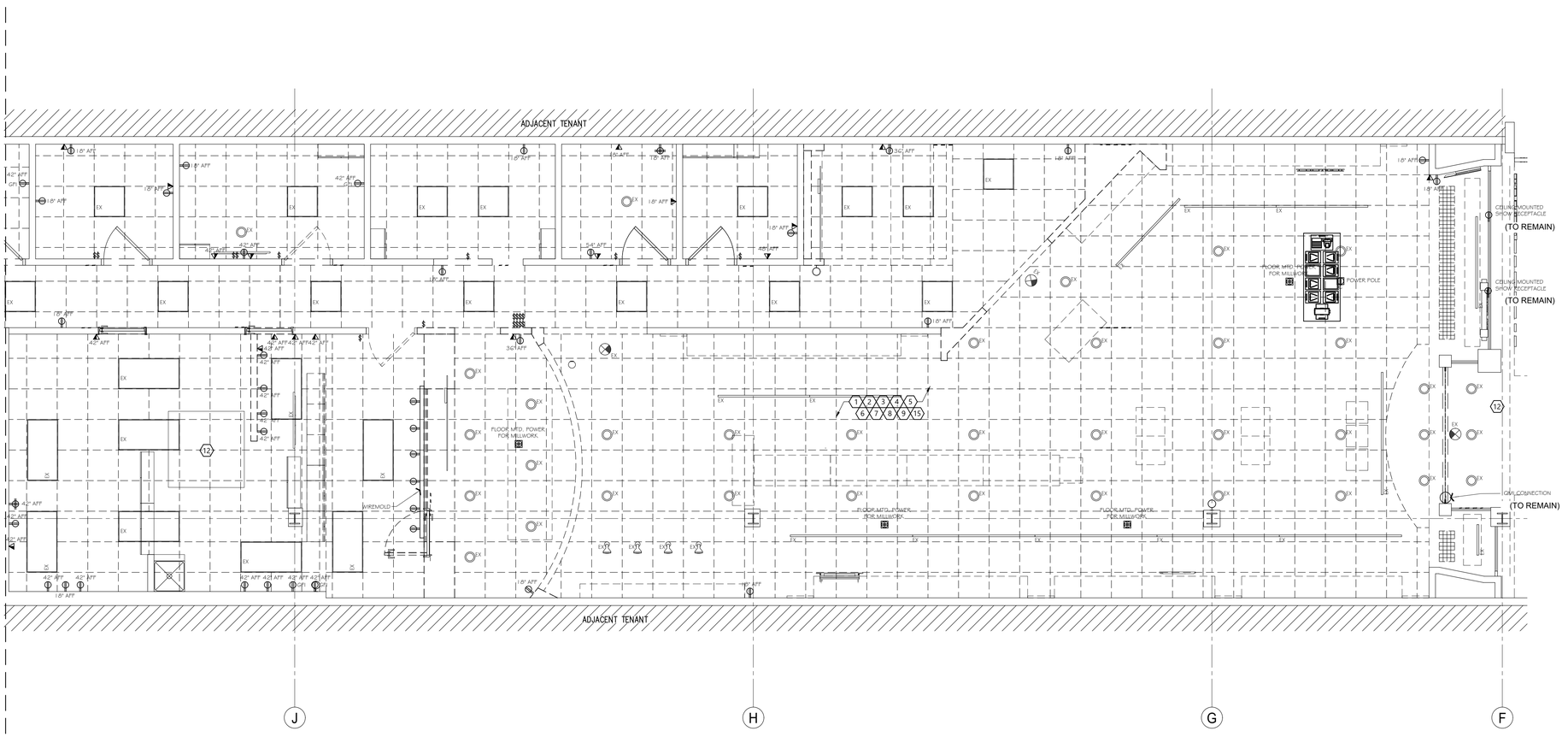
L. NO CONDUIT, BOXES, WIRING, OR CABLES SHALL BE INSTALLED WITHIN 1 1/2" OF THE LOWEST POINT OF THE UNDERSIDE OF THE ROOF DECKING, NOR SHALL THEY BE INSTALLED CONCEALED WITHIN METAL-CORRUGATED ROOF DECKING. THE E.C. SHALL BE RESPONSIBLE TO REPLACE AND/OR REWORK EXISTING CONDUIT, BOXES, WIRING, AND CABLING THAT IS NOT IN COMPLIANCE WITH THIS REQUIREMENT.

M. ALL CONDUIT AND CABLING SHALL BE PROPERLY SUPPORTED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. THE E.C. SHALL BE RESPONSIBLE TO REPLACE AND/OR REWORK EXISTING CONDUIT AND/OR CABLING THAT IS NOT IN COMPLIANCE WITH THIS REQUIREMENT.

N. E.C. SHALL FIELD VERIFY SLAB ON GRADE FLOOR CONSTRUCTION TYPE PRIOR TO CUTTING. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR CUT A STRUCTURAL FLOOR SLAB THICKER THAN FOUR (4") INCHES WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER OF RECORD. NOTIFY ENGINEER OF RECORD OF ANY SLAB THICKNESS GREATER THAN FOUR (4") INCHES PRIOR TO PROCEEDING WITH ANY SAW CUTTING.

O. COORDINATE ANY NECESSARY SYSTEMS SHUTDOWNS WITH LANDLORD PRIOR TO SHUTDOWN. INCLUDE THE COST OF THE SYSTEMS SHUTDOWNS IN THE BID.

INFORMATION IS BASED ON SURVEY PICTURES. VERIFY ALL WORK IN FIELD. ADVISE ESSILOR LUXOTTICA PROJECT MANAGER OF ANY DISCREPANCIES.




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

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Coolsys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☐ PERMIT ☐ BULLETIN

Sheet Name:
ELECTRICAL DEMOLITION PLAN

Date 05/01/2026
Drawn By M.B.
Checked By K.P./P.A

Sheet No.:
E100a

## A KEY NOTES - ELECTRICAL DEMOLITION

1. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING LIGHT FIXTURES. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING EMERGENCY EGRESS LIGHTING AND EXIT SIGNS, UNLESS OTHERWISE NOTED.
2. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING LIGHT SWITCHES.
3. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING CEILING AND/OR WALL RECEPTACLES.
4. MAINTAIN EXISTING FIRE ALARM DEVICES (IF ANY), UNLESS OTHERWISE NOTED.
5. DISCONNECT, REMOVE, AND SITE CLEAR ALL EXISTING LOW VOLTAGE WIRING NOT USED FOR REMAINING ITEMS.
6. DISCONNECT, REMOVE, AND SITE CLEAR ALL EXISTING DEVICES IN / ON WALLS SCHEDULED FOR DEMOLITION. LINE VOLTAGE AND LOW VOLTAGE DEVICES. MAINTAIN ANY EXISTING CIRCUITING AND UPSTREAM DEVICES IF ANY EXISTING DEVICES ARE TO REMAIN.
7. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING PHONE EQUIPMENT, WIRING, ETC. SALVAGE ANY EXISTING EQUIPMENT TO BE REUSED WITH NEW SYSTEMS. VERIFY EXTENT OF WORK IN FIELD. PROVIDE NEW PHONE BOARD AND RACK PER DRAWINGS. PROVIDE 2" TELCO SERVICE CONDUIT AND WIRING TO NEW RACK LOCATION FROM LANDLORD DEMARCATION POINT.
8. DISCONNECT, REMOVE, AND SITE CLEAR SOUND SYSTEM AND SPEAKERS.
9. DISCONNECT, REMOVE, AND SITE CLEAR SECURITY SYSTEM AND CAMERAS.
10. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING PHONE BOARD. SALVAGE ANY EXISTING EQUIPMENT TO BE REUSED WITH NEW SYSTEMS. VERIFY EXTENT OF WORK IN FIELD. PROVIDE NEW PHONEBOARD AND RACK PER DRAWINGS. PROVIDE / EXTEND SERVICE CONDUIT AND WIRING TO NEW PHONE BOARD LOCATION.
11. DISCONNECT AND REMOVE POWER CIRCUIT TO EXISTING AHU-1 AND PROVIDE NEW THREE POLE, 15AMP CIRCUIT TO NEW AIR HANDLER UNIT IN SAME LOCATION. CONFIRM EXISTING OR PROVIDE NEW 3#12 WIRES. PROVIDE NEW WIRING, ETC. PER ALL NOTES ON MECHANICAL DRAWINGS.
12. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING POWER TO EXTERIOR BUILDING SIGNAGE. EXISTING CONDUIT AND WIRING TO REMAIN FOR FUTURE USE.
13. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING POWER TO WATER HEATER.
14. MAINTAIN EXISTING POWER TO EXHAUST FAN, AIR HANDLER UNIT. OR CONDENSING UNIT, UNLESS OTHERWISE NOTED.
15. DISCONNECT, REMOVE, AND SITE CLEAR EXISTING INFLOOR POWER AND OR LOW VOLTAGE WIRING AND PATCH FLOOR AS REQUIRED.

A-LC09-E100-REV04

## B GENERAL DEMOLITION NOTES

A. IN EVERY INSTANCE OF DEMOLITION AND/OR REMODELING, THE E.C. SHALL FIGURE A COMPLETE JOB AS NONE OTHER SHALL BE ACCEPTED.

B. THE DRAWINGS ARE TO BE USED ONLY AS A GUIDELINE FOR DEMOLITION. THE E.C. MUST VISIT THE SITE PRIOR TO BIDDING TO VERIFY ALL WORK REQUIRED FOR A COMPLETE JOB & INCLUDE THE COST OF SUCH WORK IN HIS BID.

C. THE E.C. SHALL MAINTAIN EXISTING SERVICES TO AND IN THE EXISTING AREA AS REQUIRED.

D. IF NECESSARY, THE E.C. SHALL PROVIDE TEMPORARY SERVICES IN THE EXISTING AREAS.

E. NOT USED.

F. ELECTRICAL EQUIPMENT & DEVICES SHALL BE REMOVED COMPLETE INCLUDING CONDUIT & WIRE.

G. FLUSH MOUNTED WALL OUTLETS SHALL BE REMOVED AND THE WALL PATCHED AND FINISHED TO MATCH THE ADJACENT WALL FINISHES.

H. ANY EXISTING CONDUIT, WIRING AND/OR ELECTRICAL & MECHANICAL DEVICES BEING DISTURBED BY THE WORK SHALL BE REWORKED BY THIS CONTRACTOR AS REQUIRED TO RETURN TO ITS FORMER EXISTING OPERATING CONDITION.

I. ANY CIRCUITS FEEDING THROUGH DEVICES OR EQUIPMENT BEING RELOCATED, REWORKED, OR ABANDONED & SERVING OTHER ELECTRICAL DEVICES, AND/OR EQUIPMENT SHALL BE MAINTAINED BY PROVIDING J-BOXES OR OTHER ACCEPTABLE METHOD AS REQUIRED.

J. ALL WALLS, CEILINGS, FLOORS, ETC., BEING DISTURBED BY THE WORK SHALL BE RETURNED TO FINISHED CONDITIONS TO MATCH EXISTING BY THE E.C. & THEY SHALL DO THEIR OWN CUTTING & PATCHING AS NECESSARY UNDER THEIR CONTRACT.

K. EXISTING MATERIALS SHALL BE TURNED OVER TO THE OWNER. IF NOT REQUIRED BY OWNER, THE E.C. SHALL REMOVE THESE MATERIALS FROM THE PREMISES.

L. NO CONDUIT, BOXES, WIRING, OR CABLES SHALL BE INSTALLED WITHIN 1 1/2" OF THE LOWEST POINT OF THE UNDERSIDE OF THE ROOF DECKING, NOR SHALL THEY BE INSTALLED CONCEALED WITHIN METAL-CORRUGATED ROOF DECKING. THE E.C. SHALL BE RESPONSIBLE TO REPLACE AND/OR REWORK EXISTING CONDUIT, BOXES, WIRING, AND CABLING THAT IS NOT IN COMPLIANCE WITH THIS REQUIREMENT.

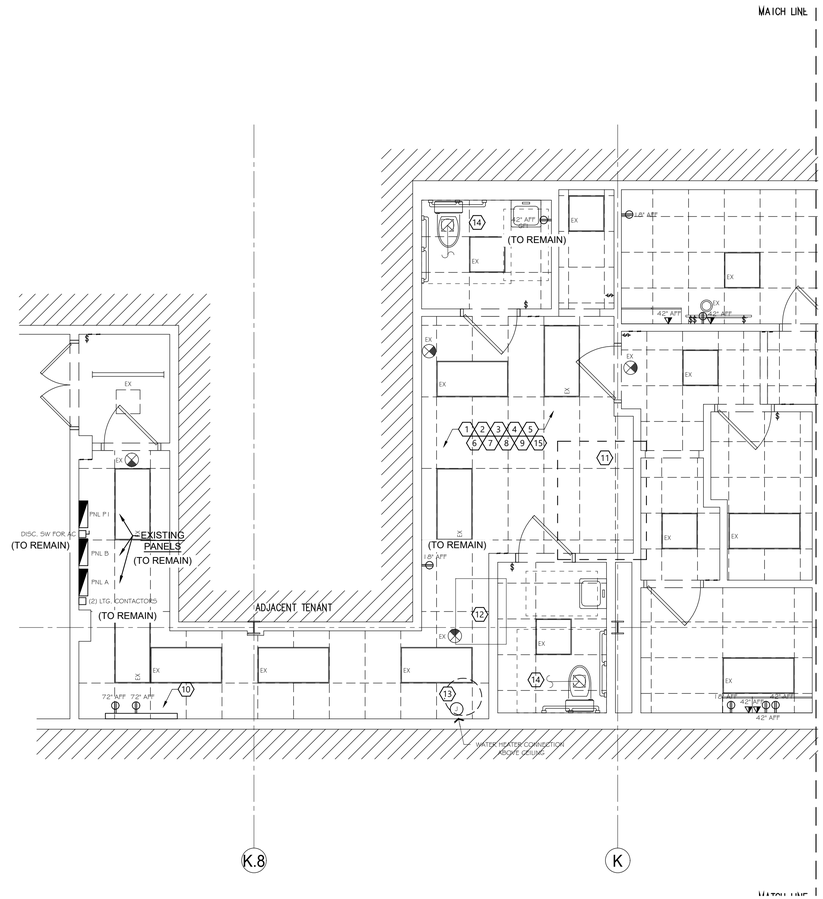
M. ALL CONDUIT AND CABLING SHALL BE PROPERLY SUPPORTED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. THE E.C. SHALL BE RESPONSIBLE TO REPLACE AND/OR REWORK EXISTING CONDUIT AND/OR CABLING THAT IS NOT IN COMPLIANCE WITH THIS REQUIREMENT.

N. E.C. SHALL FIELD VERIFY SLAB ON GRADE FLOOR CONSTRUCTION TYPE PRIOR TO CUTTING. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR CUT A STRUCTURAL FLOOR SLAB THICKER THAN FOUR (4") INCHES WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER OF RECORD. NOTIFY ENGINEER OF RECORD OF ANY SLAB THICKNESS GREATER THAN FOUR (4") INCHES PRIOR TO PROCEEDING WITH ANY SAW CUTTING.

O. COORDINATE ANY NECESSARY SYSTEMS SHUTDOWNS WITH LANDLORD PRIOR TO SHUTDOWN. INCLUDE THE COST OF THE SYSTEMS SHUTDOWNS IN THE BID.

B-LC09-E100-REV09

INFORMATION IS BASED ON SURVEY PICTURES. VERIFY ALL WORK IN FIELD. ADVISE ESSILOR LUXOTTICA PROJECT MANAGER OF ANY DISCREPANCIES.




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

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:
ELECTRICAL DEMOLITION PLAN

Date 05/01/2026
Drawn By M.B.
Checked By K.P./P.A.

Sheet No.:
E100b

# D LIGHT FIXTURE SCHEDULE

**LIGHT FIXTURE SCHEDULE**

| TAG | DESCRIPTION | SUPPLIER | MANUFACTURER | MODEL NUMBER | FINISH/COLOR | VOLTAGE | LAMP TYPE | | LAMP QTY | FIXTURE WATTS | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| e1 | excimo 3/8"trimless track - 1'-0" HEAD ANGLE | Viabizzuno | Viabizzuno | LUX.002.06.UL | black | 120 | non-dimmable LED | | 1 | 20.5 | 1 |
| e2 | excimo 3/8"trimless track - 1'-0" HEAD ANGLE | Viabizzuno | Viabizzuno | LUX.002.05.UL | black | 120 | non-dimmable LED | | 1 | 20.5 | 1 |
| EMWL | EXTERIOR EMERGENCY LIGHT | CAPITOL LIGHT | SUTR LIGHTING | RSAA-LED-W07-SD-STD | BRONZE | 120V | LED W/LIGHT | | 2 | 5 | |
| h1 | 12 system 30x30mm surface-mounted i1-8"-5-1/2" [140mm] | Viabizzuno | Viabizzuno | | matte silver | 24 | LED, dimmable | | 1 | 2666/m | |
| h2 | 12 system 30x30mm surface-mounted matt silver 1-8"-5-1/4"[133mm] | Viabizzuno | Viabizzuno | | matte silver | 24 | LED, dimmable | | 1 | 2666/m | |
| h3 | 12 system 30x30mm surface-mounted matt silver 1-6"-6 3/4" [169mm] | Viabizzuno | Viabizzuno | | matte silver | 24 | LED, dimmable | | 1 | 2666/m | |
| i1 | 3D SPOT TRACK BLACK, 12" HEAD ANGLE | Viabizzuno | Viabizzuno | SKT.001.n, WHT.35.u | black | 120 | non-dimmable LED | | 1 | 19.3 | 1 |
| i2 | 3D SPOT TRACK BLACK, 30° HEAD ANGLE | Viabizzuno | Viabizzuno | SKT.001.n, WHT.36.u | black | 120 | non-dimmable LED | | 1 | 19.3 | 1 |
| i3 | 3D SPOT TRACK BLACK, 30° HEAD ANGLE | Viabizzuno | Viabizzuno | SKT.001.n, WHT.36.u | black | 120 | non-dimmable LED | | 1 | 19.3 | 1 |
| MTL | LUNEA WHITE 120° LED | Viabizzuno | Viabizzuno | LTM03.vl | black | 120 | dimmable LED 3x3 panel | | 1 | 40 | |
| r2 | incl.micro recessed fixed fixture | Viabizzuno | Viabizzuno | VIVA.60R.W.30.t.u | black | 120 | LED, dimmable | | 1 | 16.8 | |
| REMWL | RECESSED EMERGENCY LIGHT | CAPITOL LIGHT | LIGHTALARM/L | WHADSP5/L | WHITE | 120/277 | 4 LED W/UNIT, 7/2 LUMENS AT 90 MIN | | 1 | 7 | 2 |
| s | SPOTFLAK STREAM TRANSMITTER | VIABIZZUNO | VIABIZZUNO | spot039 | BLACK | 100-240 | - | | - | - | |
| TSPK | SPOTFLAK TRACK SPEAKER | VIABIZZUNO | VIABIZZUNO | spot026 | BLACK | 100-240 | - | | - | 18 | |
| WM | WALL DIM | VIABIZZUNO | VIABIZZUNO | | black | 120 | - | | - | 55 | |
| w2 | excimo 3/8"trimless Lux track 2UNP | VIABIZZUNO | VIABIZZUNO | LUX.002.02.UL | black | 120 | LED, dimmable | | 1 | 47.2 | |
| XSRW | WHITE, SEMI-RECESSED EXTRUDED ALUMINUM LED EDGE LIT EXIT SIGN, RED LETTERS, WALL MOUNTED, | CAPITOL LIGHT | LIGHTALARM/L | SPLEDWARD3 (WHITE) | WHITE | 120/277 | LED W/UNIT | | 1 | 3 | 2 |
| XUNC | WHITE, SEMI-RECESSED EXTRUDED ALUMINUM LED EDGE LIT EXIT SIGN, RED LETTERS, CEILING | CAPITOL LIGHT | LIGHTALARM/L | SPLEDWARD3 (WHITE) | WHITE | 120/277 | LED W/UNIT | | 1 | 3 | 2 |
| WSLOUD | TAPE LTE LIGHT WALL SCONCE | ARTEMIDE | ARTEMIDE | 1109N18A | WHITE | 120 | 8W.A LAMP FOR SCONCE FIXTURES | | 1 | 12 | |
| **CONTROLS AND LIMITERS** | | | | | | | | | | | |
| CLP-#A | TRACK CURRENT LIMITER PANEL. THE "#" INDICATES THE AMPACITY OF THE CURRENT LIMITER. SEE PLANS. | GC | ACUITY/SLUSER BULLET | TVMM-SOTTLA-#BP-XAR-MV-DM | STANDARD | 120 | | | | N/A | 3 |
| OCCS | CEILING OCCUPANCY SENSOR | GC | SENSORSWITCH | CM-POT-10 | SEE CHART ON EG01/LON ELEC. / DATA FACEPLATE COLOR SCHEDULE | | | | | | |
| OVS | WALL OCCUPANCY SENSOR | GC | LUTRON | MS-B102 | SEE CHART ON EG01/LON ELEC. / DATA FACEPLATE COLOR SCHEDULE | | | | | | |
| D | DIMMER | GC | LUTRON | MA-PRO | SEE CHART ON EG01/LON ELEC. / DATA FACEPLATE COLOR SCHEDULE | | | | | | |

NOTES:
1. REFER TO VIABIZZUNO LIGHTING PLAN FOR LAMP DIRECTIONAL ANGLE.
2. PROVIDE CURRENT LIMITER PANEL AS INDICATED ON PLANS. LOCATE PANEL ADJACENT TO TENANT LINE VOLTAGE PANEL.
3. SCAN QR CODE ON THIS SHEET FOR LIGHT FIXTURE CUT SHEETS AND INSTALLATION INSTRUCTIONS.

D-LC09-E200-REV09

## LIGHTING FIXTURE NOTES:

1. REFER TO 'VIABIZZUNO' LIGHTING PLAN FOR LAMP DIRECTIONAL ANGLE.
2. PROVIDE CURRENT LIMITER PANEL AS INDICATED ON PLANS. LOCATE PANEL ADJACENT TO TENANT LINE VOLTAGE PANEL.
3. SCAN 'Q.R.'CODE ON THIS SHEET FOR LIGHT FIXTURE CUT SHEETS AND INSTALLATION INSTRUCTIONS.
4. ELECTRICAL CONTRACTOR TO COORDINATE ALL DIMMER SWITCH TYPES WITH ALL LIGHTING FIXTURE REQUIREMENTS.
5. ALL LIGHT FIXTURES SHALL BE PENDANT MOUNTED OR CHAIN HUNG SUCH THAT TOP OF FIXTURE IS 9'-10" AFF.

# C ADDITIONAL NOTES

EXISTING CONDITIONS: CIRCUITS WERE TAKEN FROM PICTURES OF THE ELECTRICAL PANEL DIRECTORY CARDS. ELECTRICAL CONTRACTOR SHALL REVISE CIRCUITS SHOWN ON THESE PLANS TO WORK WITH EXISTING CIRCUITS THAT MAY EXIST IN THE AREA AS WELL AS CIRCUITS THAT ARE TO REMAIN POWERING EXISTING EQUIPMENT.

TURN OVER REMOTE TEST SWITCH(ES) FOR THE EMERGENCY LIGHTS TO TENANT FOR TENANT TO PLACE IN TECH RACK.

C-LC09-E200-REV04

# A KEY NOTES - ELECTRICAL PLAN (X)

1. CIRCUIT VIA MASTER LIGHTING SWITCH BANK. SEE DETAIL ED033 ON SHEET E011.
2. NEW LIGHTING SWITCH BANK. FIELD VERIFY EXACT LOCATION WITH "ESSILOR LUXOTTICA" PROJECT MANAGER PRIOR TO ROUGH-IN.
3. ROUTE UN-SWITCHED CONNECTION TO EXIT SIGNS AND EMERGENCY LIGHTS AND WHERE FIXTURES ARE SWITCHED, ROUTE ADDITIONAL POWER FROM THE SAME CIRCUIT AHEAD OF ALL SWITCHING FOR POWER LOSS SENSING. WIRE TO EXISTING EMERGENCY LIGHTING CIRCUIT.
4. PROVIDE OCCUPANCY SENSOR FOR AUTOMATIC SHUT OFF OF ROOM LIGHTING. SEE DETAIL ED059 ON SHEET E011.
5. CONNECT TRACK LIGHTING TO INDICATED BREAKER IN CURRENT LIMITING PANEL "CLP".
6. CURRENT LIMITING PANEL 'CLP'. CONTACTOR PANEL 'C' AND TIME-CLOCK 'TC'. REFER TO LIGHTING FIXTURE SCHEDULE FOR MORE INFORMATION. MOUNT PER ALL CURRENT CODES. ALL TRACK LIGHTING SHALL BE WIRED VIA 'CLP'. ALL EXTERIOR LIGHTING AND SIGNS SHALL BE WIRED VIA ''C' AND 'TC'. ALL NON-OCCUPANCY SENSOR CONTROLLED INTERIOR LIGHTING SHALL BE WIRED VIA CONTACTOR PANEL. PROVIDE ALL PROGRAMMING WITH TENANT REPRESENTATIVE.NOT USED.
7. DIMMER SWITCH TO BE MOUNTED ABOVE DESK FOR FINE TUNING OVERHEAD LIGHTS. SWITCH TO BE MOUNTED 44" AFF. SEE DETAIL ED059 ON SHEET E011. COORDINATE DIMMER TYPE WITH LIGHTING FIXTURES CONTROLLED.
8. LOW VOLTAGE LIGHTING CONTROL POWER PACK(S) AND ASSOCIATED JUNCTION BOX(ES) MOUNTED ABOVE FINISHED CEILING. LOCATE ABOVE SUSPENDED CEILING OR AT CEILING ACCESS PANEL TO PROVIDE REQUIRED ACCESSIBILITY. PROVIDE 120V LINE VOLTAGE AND LOW VOLTAGE WIRING OF ROOM LIGHT FIXTURES / SWITCHES PER DETAIL ED059 ON SHEET E011.
9. EMERGENCY EGRESS LIGHT FIXTURE - BATTERY UNIT, NORMAL OFF. WIRED AHEAD OF LOCAL SWITCHING AND CIRCUITED TO EXISTING EMERGENCY LIGHTING CIRCUIT.
10. NOT USED
11. EMT CONDUIT TO BE USED AND PAINTED TO MATCH CEILING.
12. SOUND SYSTEM SPEAKER. SPEAKERS, WIRING AND ACCESSORIES ARE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE WORK WITH THE SOUND SYSTEM VENDOR PRIOR TO INSTALLATION ON LIGHTING TRACK.
13. FOR ILLUMINATED SIGN - WIRE VIA LIGHTING CONTACTOR PANEL AND PHOTOCELL.
14. WIRE LOW VOLTAGE FIXTURES (TYPE 'H') VIA LOW VOLTAGE DRIVER AND ROOM OCCUPANCY SENSOR - TYPICAL.
15. WIRE LOW VOLTAGE FIXTURES (TYPE 'H') VIA LOW VOLTAGE DRIVER AND LIGHTING CONTACTOR - TYPICAL.
16. WIRE FIXTURES IN THIS ROOM VIA LIGHTING CONTACTOR - TYPICAL.
17. 00110-00 WALL SCONCE FIXTURE IS SUPPLIED BY LIGHTING VENDOR WITHOUT FIXTURE BULBS. GC SHALL SUPPLY MAXLITE 100586 ENCLOSED FROSTED FILAMENT (DIMMABLE), EFF3G16.5D930/JA8, 3.5W LED E12/G16.5, 3000K, 90 CRI, FROSTED FINISH FROM lightingsupply.com. AN APPROVED ALTERNATE SPEC IS PLT-13463; 250 LUMEN, 3 WATT, 3000K, OPAL FINISH FROM 1000bulbs.com. BOTH OPTIONS HAVE A LEADTIME, PLAN ACCORDINGLY.

A-LC09-E200-REV10

QR CODE
- SPOTTUNE; INSTALLATION MANUAL, CUTSHEETS, INSTALLATION VIDEO
- LIGHTING BOOK; CUTSHEETS, MOUNTING INSTRUCTIONS, VIDEO

QRC-LC09-E200-REV07

## ENERGY CODE - COMMISSIONING

1. COMMISSIONING AGENT TO CONFIRM THE FOLLOWING IN THE BOH AREA:
   - 1.1. OCCUPANCY SENSORS DETECT MOTION AND ENERGIZE THE LOCAL SWITCHING.
   - 1.2. OCCUPANCY SENSORS DE-ENERGIZE AFTER NO MOTION IS DETECTED AFTER A 30 MINUTE DELAY.
2. COMMISSIONING AGENT TO CONFIRM THE FOLLOWING IN THE SALES AREA:
   - 2.1. SIGNS, PERIMETER SHELVING AND SALES FLOOR DISPLAY CABINETS ARE ENERGIZED AND DE-ENERGIZED WITH THE TIMER SWITCH OR CONTACTOR CONTROLLED BY TIMECLOCK.

ELECTRICAL CONTRACTOR TO HIRE THIRD PARTY COMMISSIONING CONTRACTOR. FURNISH REPORT TO ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO FINAL PAYMENT.

**E012** ENERGY CODE - COMMISSIONING SMALL PROJECTS

E012-LC09-E200-REV04

# B GENERAL NOTES

A. IT SHALL BE THE E.C.'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE E.C. SHALL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR AT GC'S COST.

B. EXIT LIGHTS AT THE STOREFRONT SHALL BE CEILING MOUNTED AND CENTERED OVER OPENINGS. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES AREAS SHALL BE CEILING MOUNTED AND CENTERED ABOVE DOOR. IF PLAN LOCATIONS ARE NOT ACCEPTABLE, IMMEDIATELY CONTACT ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION.

C. WHERE DRYWALL CEILINGS ARE USED IN THE SALES AREA, E.C. SHALL ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILINGS SHALL BE LIMITED TO LOCATIONS NEAR ACCESS FRAMES USED FOR DIFFUSERS AND RETURN AIR GRILLES OR ACCESS PANELS AS LOCATED ON PLANS. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION.

D. NOT USED.

E. LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 101'-0" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 151'-0" TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. LIGHTING CIRCUITS ABOVE 251'-0" IN LENGTH SHALL UTILIZE #6 CONDUCTORS MINIMUM.

F. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS. CIRCUITING SHALL BE THRU-WIRING WHEREVER POSSIBLE. MULTIPLE CONNECTIONS TO A SINGLE LIGHT FIXTURE FOR VOLTAGE DROP CONDITIONS OR AS A RESULT OF A FIELD CONDITION ARE ACCEPTABLE.

G. EMERGENCY AND EXIT LUMINAIRES SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES. SEE QR CODE ON THIS SHEET FOR LIGHT CUT SHEET AND INSTALLATION INSTRUCTIONS.

H. E.C. SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.

I. E.C. SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION.

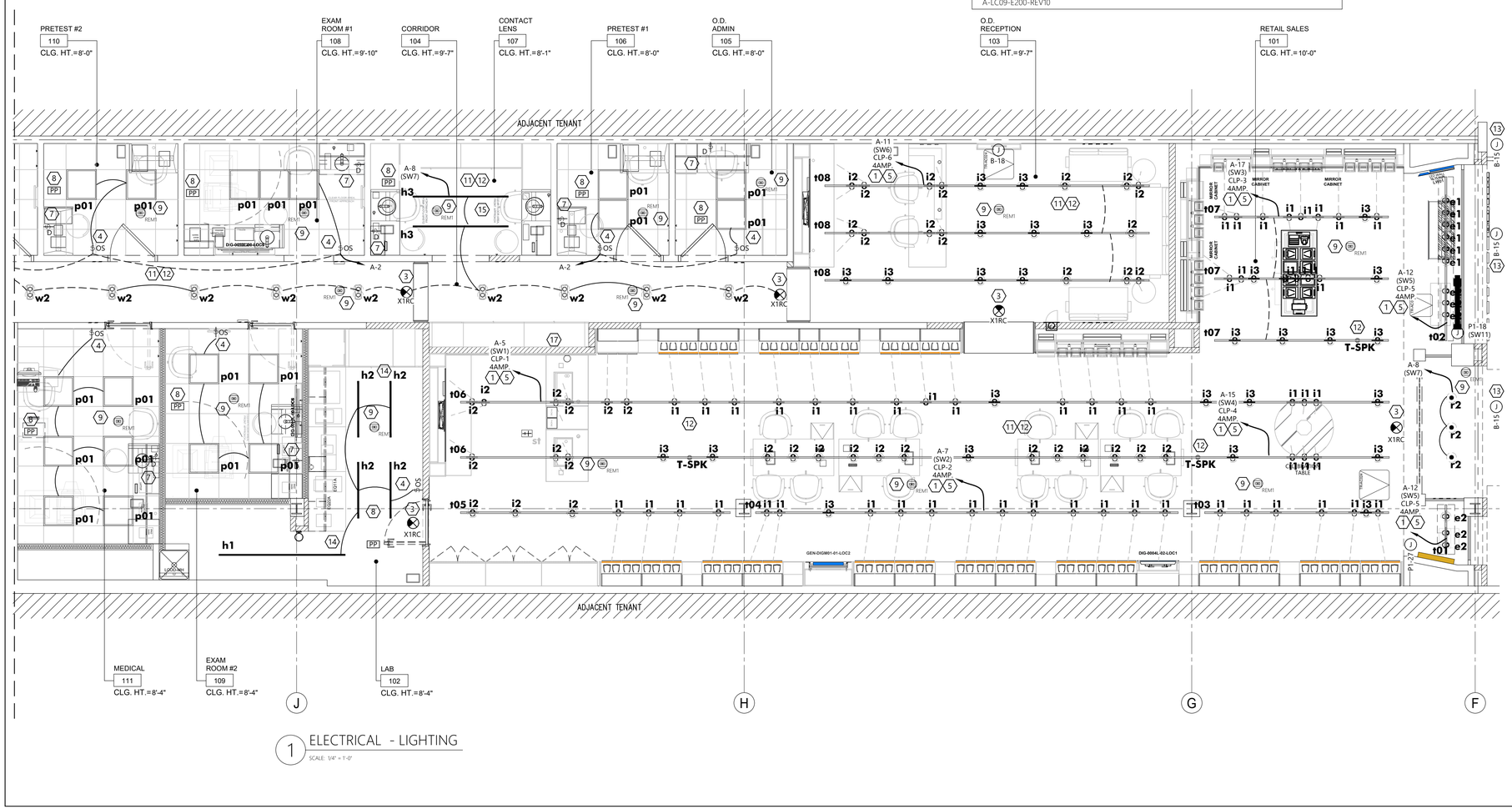
J. CIRCUITING SHALL BE THRU-WIRING WHEREVER POSSIBLE. MULTIPLE CONNECTIONS TO A SINGLE LIGHT FIXTURE FOR VOLTAGE DROP CONDITIONS OR AS A RESULT OF A FIELD CONDITION ARE ACCEPTABLE.

K. E.C.'S BID SHALL INCLUDE THE INSTALLATION OF ALL LUMINAIRES AND ASSOCIATED LAMPS FURNISHED BY ESSILOR LUXOTTICA. E.C. IS RESPONSIBLE TO ENSURE THE ADJUSTMENT OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER PLAN (DASHED LINE SHOWN FROM TRACK HEAD FIXTURE). LIGHT FIXTURE SPECIFICATIONS MAY VARY, IF THIS IS THE CASE, CONTRACTOR SHALL CALL THE LIGHTING DISTRIBUTOR FOR EXACT SPECIFICATION OF LIGHTING FIXTURES. WHEN APPLICABLE, IF THE CEILING SYSTEMS ARE FIRE RATED, E.C. SHALL VERIFY FIXTURE RATINGS ON LIGHTING FIXTURE SCHEDULE. CONTACT ENGINEER OF RECORD WITH ANY DISCREPANCIES.

L. SCAN QR CODE ON THIS SHEET FOR LIGHT FIXTURE CUT SHEETS AND INSTALLATION INSTRUCTIONS.

M. NOT USED.

B-LC09-E200-REV10




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

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

**Construction for:**

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| 1 | 4/30/2026 100% PRELIMINARY CDs | |
| 2 | 5/1/2026 100% CDs | |
| 3 | 5/1/2026 PERMIT SET | |

**Architect / Engineer of Record**

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

**Seal**

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**
- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
- ☐ PERMIT
- ☐ BULLETIN

Sheet Name:

ELECTRICAL LIGHTING PLAN

Date 05/01/2026
Drawn By M.B.
Checked By K.P./P.A.

Sheet No.: E200a

# D LIGHT FIXTURE SCHEDULE

**LIGHT FIXTURE SCHEDULE**

| TAG | DESCRIPTION | SUPPLIER | MANUFACTURER | MODEL NUMBER | FINISH/COLOR | VOLTAGE | LAMP TYPE | LAMPS/FIXTURE | WATTS/FIXTURE |
|---|---|---|---|---|---|---|---|---|---|
| K1 | Iconic 2(R)Inch Stack - 32° HEAD ANGLE | Viabizzuno | Viabizzuno | 1LIN.3(S).(R).LA. | black | 120 | non-dimmable LED | 1 | 20.5 |
| K2 | Iconic 2(R)Inch Stack - 36° HEAD ANGLE | Viabizzuno | Viabizzuno | 1LIN.3(S).(R).LA. | black | 120 | non-dimmable LED | 1 | 20.5 |
| EM/WL | EXTERIOR EMERGENCY LIGHT | CAPITOL LIGHT | ELITE LIGHTING | ELAA-LED-WD-WD-SCTD | BRONZE | 120V | LED MOUNT | 2 | 5 |
| T1 | 1/2 system 30x30mm surface-mounted I.P.S 1/2" [12MT/mm] | Viabizzuno | Viabizzuno | | matte silver | 24 | LED, dimmable | 1 | 26W/m |
| T2 | 1/2 system 30x30mm surface-mounted mark silver I.P.S 1/2"[12MT/mm] | Viabizzuno | Viabizzuno | | matte silver | 24 | LED, dimmable | 1 | 26W/m |
| T3 | 1/2 system 30x30mm surface-mounted mark silver [12MT/mm] | Viabizzuno | Viabizzuno | | matte silver | 24 | LED, dimmable | 1 | 26W/m |
| T1 | SV SPOT TRACK BLACK, 32° HEAD ANGLE | Viabizzuno | Viabizzuno | SVT.(R).L.BWT.(R).c | black | 120 | non-dimmable LED | 1 | 16.3 |
| T2 | SV SPOT TRACK BLACK, 36° HEAD ANGLE | Viabizzuno | Viabizzuno | SVT.(R).L.BWT.(R).c | black | 120 | non-dimmable LED | 1 | 16.3 |
| WS | LUNDU WHITE 120° LED | Viabizzuno | Viabizzuno | 1.(R).(S).c | black | 120 | dimmable LED (w) panel | 1 | 40 |
| F2 | m2 micro recessed fixed fixture | Viabizzuno | Viabizzuno | 1(W).(S)(R).(R).(C).c | black | 120 | LED, dimmable | 1 | 16.8 |
| EE/WL | RECESSED EMERGENCY LIGHT | CAPITOL LIGHT | LIGHTALARM/L | RPW20PSU | WHITE | 120-277 | 4 LED SOURCE, 715 LUMENS AT 90 WATTS | 1 | 7 |
| SI | SPOTTLINE STREAM TRASMITTER | VIABIZZUNO | VIABIZZUNO | spot1TS | BLACK | 100-240 | - | - | - |
| TS-PX | SPOTTLINE TRACK SPEAKER | VIABIZZUNO | VIABIZZUNO | tpx4GSN | BLACK | 100-240 | - | - | 18 |
| SW | SWITCH | VIABIZZUNO | VIABIZZUNO | | black | 120 | - | - | 66 |
| F3 | m2 micro recessed fixed fixture | VIABIZZUNO | VIABIZZUNO | 1(R).(S)(C).LA. | black | 120 | LED, dimmable | - | 47.2 |
| E1/RW | WHITE, SEMI-RECESSED EXTRUDED ALUMINUM LED EDGE LIT EXIT SIGN, RED LETTERS, WALL MOUNTED, | CAPITOL LIGHT | LIGHTALARM/L | SPUDSNWRD (WHITE) | WHITE | 120/277 | LED MOUNT | 1 | 3 |
| E1/RC | WHITE, SEMI-RECESSED EXTRUDED ALUMINUM LED EDGE LIT EXIT SIGN, RED LETTERS, CEILING | CAPITOL LIGHT | LIGHTALARM/L | SPUDSNWRCD (WHITE) | WHITE | 120/277 | LED MOUNT | 1 | 3 |
| SD/1X10 | SWITCH, SINGLE LIGHT WALL SCONCE | ARTEMIDE | ARTEMIDE | 11095.WH | WHITE | 120 | 8 LED LAMP FOR SCONCE FIXTURES | 1 | 12 |
| **CONTROLS AND LIMITERS** | | | | | | | | | |
| CLP-MA | TRACK CURRENT LIMITER PANEL. THE "#" INDICATES THE AMPACITY OF THE CURRENT LIMITER. SEE PLANS. | GC | ACURTIS/OLIVER BULLET | TURNI-10TTLA-WBP-36M-HVL-SM | STANDARD | 120 | | | N/A |
| OCS | CEILING OCCUPANCY SENSOR | GC | SENSORSWITCH | CM-POT-10 | SEE CHART ON E0210 (09.9).BC / DATA FACEPLATE COLOR SCHEDULE | | | | |
| OS | WALL OCCUPANCY SENSOR | GC | LUTRON | MS-B102 | SEE CHART ON E0210 (09.9).BC / DATA FACEPLATE COLOR SCHEDULE | | | | |
| D | DIMMER | GC | LUTRON | MA-PRO | SEE CHART ON E0210 (09.9).BC / DATA FACEPLATE COLOR SCHEDULE | | | | |

NOTES:

1. REFER TO VIABIZZUNO LIGHTING PLAN FOR LAMP DIRECTIONAL ANGLE.
2. PROVIDE CURRENT LIMITER PANEL AS INDICATED ON PLANS. LOCATE PANEL ADJACENT TO TENANT LINE VOLTAGE PANEL.
3. SCAN 'Q.R.'CODE ON THIS SHEET FOR LIGHT FIXTURE CUT SHEETS AND INSTALLATION INSTRUCTIONS.

D-LC09-E200-REV09

## LIGHTING FIXTURE NOTES:

1. REFER TO 'VIABIZZUNO' LIGHTING PLAN FOR LAMP DIRECTIONAL ANGLE.
2. PROVIDE CURRENT LIMITER PANEL AS INDICATED ON PLANS. LOCATE PANEL ADJACENT TO TENANT LINE VOLTAGE PANEL.
3. SCAN 'Q.R.'CODE ON THIS SHEET FOR LIGHT FIXTURE CUT SHEETS AND INSTALLATION INSTRUCTIONS.
4. ELECTRICAL CONTRACTOR TO COORDINATE ALL DIMMER SWITCH TYPES WITH ALL LIGHTING FIXTURE REQUIREMENTS.
5. ALL LIGHT FIXTURES SHALL BE PENDANT MOUNTED OR CHAIN HUNG SUCH THAT TOP OF FIXTURE IS 9'-10" AFF.

# C ADDITIONAL NOTES

EXISTING CONDITIONS: CIRCUITS WERE TAKEN FROM PICTURES OF THE ELECTRICAL PANEL DIRECTORY CARDS. ELECTRICAL CONTRACTOR SHALL REVISE CIRCUITS SHOWN ON THESE PLANS TO WORK WITH EXISTING CIRCUITS THAT MAY EXIST IN THE AREA AS WELL AS CIRCUITS THAT ARE TO REMAIN POWERING EXISTING EQUIPMENT.

TURN OVER REMOTE TEST SWITCH(ES) FOR THE EMERGENCY LIGHTS TO TENANT FOR TENANT TO PLACE IN TECH RACK.

C-LC09-E200-REV04

# A KEY NOTES - ELECTRICAL PLAN (X)

1. CIRCUIT VIA MASTER LIGHTING SWITCH BANK. SEE DETAIL ED033 ON SHEET E011.
2. NEW LIGHTING SWITCH BANK. FIELD VERIFY EXACT LOCATION WITH "ESSILOR LUXOTTICA" PROJECT MANAGER PRIOR TO ROUGH-IN.
3. ROUTE UN-SWITCHED CONNECTION TO EXIT SIGNS AND EMERGENCY LIGHTS AND WHERE FIXTURES ARE SWITCHED, ROUTE ADDITIONAL POWER FROM THE SAME CIRCUIT AHEAD OF ALL SWITCHING FOR POWER LOSS SENSING. WIRE TO EXISTING EMERGENCY LIGHTING CIRCUIT.
4. PROVIDE OCCUPANCY SENSOR FOR AUTOMATIC SHUT OFF OF ROOM LIGHTING. SEE DETAIL ED059 ON SHEET E011.
5. CONNECT TRACK LIGHTING TO INDICATED BREAKER IN CURRENT LIMITING PANEL "CLP".
6. CURRENT LIMITING PANEL 'CLP': CONTACTOR PANEL 'C' AND TIME-CLOCK 'TC'. REFER TO LIGHTING FIXTURE SCHEDULE FOR MORE INFORMATION. MOUNT PER ALL CURRENT CODES. ALL TRACK LIGHTING SHALL BE WIRED VIA 'CLP'. ALL EXTERIOR LIGHTING AND SIGNS SHALL BE WIRED VIA "C' AND 'TC'. ALL NON-OCCUPANCY SENSOR CONTROLLED INTERIOR LIGHTING SHALL BE WIRED VIA CONTACTOR PANEL. PROVIDE ALL PROGRAMMING WITH TENANT REPRESENTATIVE.NOT USED.
7. DIMMER SWITCH TO BE MOUNTED ABOVE DESK FOR FINE TUNING OVERHEAD LIGHTS. SWITCH TO BE MOUNTED 44" AFF. SEE DETAIL ED059 ON SHEET E011. COORDINATE DIMMER TYPE WITH LIGHTING FIXTURES CONTROLLED.
8. LOW VOLTAGE LIGHTING CONTROL POWER PACK(S) AND ASSOCIATED JUNCTION BOX(ES) MOUNTED ABOVE FINISHED CEILING. LOCATE ABOVE SUSPENDED CEILING OR AT CEILING ACCESS PANEL TO PROVIDE REQUIRED ACCESSIBILITY. PROVIDE 120V LINE VOLTAGE AND LOW VOLTAGE WIRING OF ROOM LIGHT FIXTURES / SWITCHES PER DETAIL ED059 ON SHEET E011.
9. EMERGENCY EGRESS LIGHT FIXTURE - BATTERY UNIT, NORMAL OFF. WIRED AHEAD OF LOCAL SWITCHING AND CIRCUITED TO EXISTING EMERGENCY LIGHTING CIRCUIT.
10. NOT USED
11. EMT CONDUIT TO BE USED AND PAINTED TO MATCH CEILING.
12. SOUND SYSTEM SPEAKER. SPEAKERS, WIRING AND ACCESSORIES ARE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE WORK WITH THE SOUND SYSTEM VENDOR PRIOR TO INSTALLATION ON LIGHTING TRACK.
13. FOR ILLUMINATED SIGN - WIRE VIA LIGHTING CONTACTOR PANEL AND PHOTOCELL.
14. WIRE LOW VOLTAGE FIXTURES (TYPE 'H') VIA LOW VOLTAGE DRIVER AND ROOM OCCUPANCY SENSOR - TYPICAL.
15. WIRE LOW VOLTAGE FIXTURES (TYPE 'H') VIA LOW VOLTAGE DRIVER AND LIGHTING CONTACTOR - TYPICAL.
16. WIRE FIXTURES IN THIS ROOM VIA LIGHTING CONTACTOR - TYPICAL.
17. 00110-00 WALL SCONCE FIXTURE IS SUPPLIED BY LIGHTING VENDOR WITHOUT FIXTURE BULBS. GC SHALL SUPPLY MAXLITE 100586 ENCLOSED FROSTED FILAMENT (DIMMABLE), EFF3G16.5D930/JA8, 3.5W LED E12/G16.5, 3000K, 90 CRI, FROSTED FINISH FROM lightingsupply.com. AN APPROVED ALTERNATE SPEC IS PLT-13463; 250 LUMEN, 3 WATT, 3000K, OPAL FINISH FROM 1000bulbs.com. BOTH OPTIONS HAVE A LEADTIME, PLAN ACCORDINGLY.

A-LC09-E200-REV10

QR CODE
- SPOTTUNE; INSTALLATION MANUAL, CUTSHEETS, INSTALLATION VIDEO
- LIGHTING BOOK; CUTSHEETS, MOUNTING INSTRUCTIONS, VIDEO

QRC-LC09-E200-REV07

## ENERGY CODE - COMMISSIONING

1. COMMISSIONING AGENT TO CONFIRM THE FOLLOWING IN THE BOH AREA:
   - 1.1. OCCUPANCY SENSORS DETECT MOTION AND ENERGIZE THE LOCAL SWITCHING.
   - 1.2. OCCUPANCY SENSORS DE-ENERGIZE AFTER NO MOTION IS DETECTED AFTER A 30 MINUTE DELAY.
2. COMMISSIONING AGENT TO CONFIRM THE FOLLOWING IN THE SALES AREA:
   - 2.1. SIGNS, PERIMETER SHELVING AND SALES FLOOR DISPLAY CABINETS ARE ENERGIZED AND DE-ENERGIZED WITH THE TIMER SWITCH OR CONTACTOR CONTROLLED BY TIMECLOCK.

ELECTRICAL CONTRACTOR TO HIRE THIRD PARTY COMMISSIONING CONTRACTOR. FURNISH REPORT TO ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO FINAL PAYMENT.

**E012** ENERGY CODE - COMMISSIONING SMALL PROJECTS

E012-LC09-E200-REV04

# B GENERAL NOTES

A. IT SHALL BE THE E.C.'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE E.C. SHALL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR AT GC'S COST.

B. EXIT LIGHTS AT THE STOREFRONT SHALL BE CEILING MOUNTED AND CENTERED OVER OPENINGS. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES AREAS SHALL BE CEILING MOUNTED AND CENTERED ABOVE DOOR. IF PLAN LOCATIONS ARE NOT ACCEPTABLE, IMMEDIATELY CONTACT ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION.

C. WHERE DRYWALL CEILINGS ARE USED IN THE SALES AREA, E.C. SHALL ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILINGS SHALL BE LIMITED TO LOCATIONS NEAR ACCESS FRAMES USED FOR DIFFUSERS AND RETURN AIR GRILLES OR ACCESS PANELS AS LOCATED ON PLANS. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION.

D. NOT USED.

E. LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 101'-0" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 151'-0" TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. LIGHTING CIRCUITS ABOVE 251'-0" IN LENGTH SHALL UTILIZE #6 CONDUCTORS MINIMUM.

F. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS. CIRCUITING SHALL BE THRU-WIRING WHEREVER POSSIBLE. MULTIPLE CONNECTIONS TO A SINGLE LIGHT FIXTURE FOR VOLTAGE DROP CONDITIONS OR AS A RESULT OF A FIELD CONDITION ARE ACCEPTABLE.

G. EMERGENCY AND EXIT LUMINAIRES SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES. SEE QR CODE ON THIS SHEET FOR LIGHT CUT SHEET AND INSTALLATION INSTRUCTIONS.

H. E.C. SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.

I. E.C. SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION.

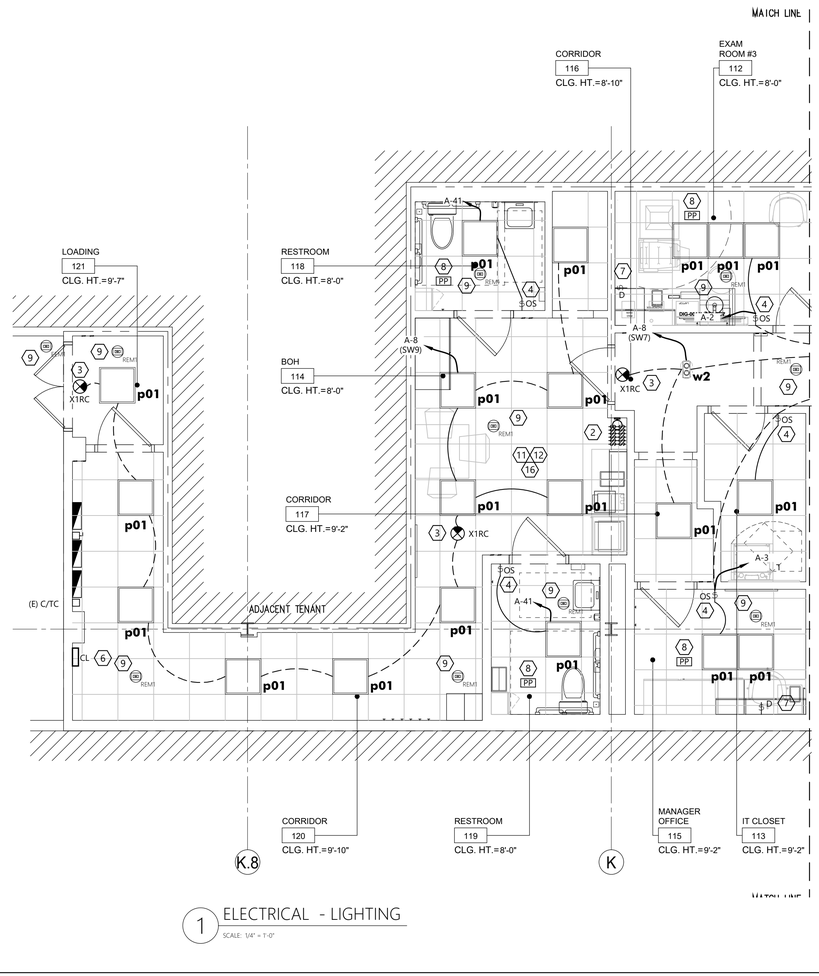
J. CIRCUITING SHALL BE THRU-WIRING WHEREVER POSSIBLE. MULTIPLE CONNECTIONS TO A SINGLE LIGHT FIXTURE FOR VOLTAGE DROP CONDITIONS OR AS A RESULT OF A FIELD CONDITION ARE ACCEPTABLE.

K. E.C.'S BID SHALL INCLUDE THE INSTALLATION OF ALL LUMINAIRES AND ASSOCIATED LAMPS FURNISHED BY ESSILOR LUXOTTICA. E.C. IS RESPONSIBLE TO ENSURE THE ADJUSTMENT OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER PLAN (DASHED LINE SHOWN FROM TRACK HEAD FIXTURE). LIGHT FIXTURE SPECIFICATIONS MAY VARY, IF THIS IS THE CASE, CONTRACTOR SHALL CALL THE LIGHTING DISTRIBUTOR FOR EXACT SPECIFICATION OF LIGHTING FIXTURES. WHEN APPLICABLE, IF THE CEILING SYSTEMS ARE FIRE RATED, E.C. SHALL VERIFY FIXTURE RATINGS ON LIGHTING FIXTURE SCHEDULE. CONTACT ENGINEER OF RECORD WITH ANY DISCREPANCIES.

L. SCAN QR CODE ON THIS SHEET FOR LIGHT FIXTURE CUT SHEETS AND INSTALLATION INSTRUCTIONS.

M. NOT USED.

B-LC09-E200-REV10




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


DESIGN & CONSTRUCTION MANAGEMENT:
EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


STORE 518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| 1 | 4/10/2026 100% PRELIMINARY CDs | |
| 2 | 5/1/2026 100% CDs | |
| 3 | 5/1/2026 PERMIT SET | |


Architect / Engineer of Record
NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: 14

EssilorLuxottica Project Number: 101399

Brand Design Type: LC09

ISSUED FOR:
- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
- ☐ PERMIT
- ☐ BULLETIN

Sheet Name: ELECTRICAL LIGHTING PLAN

Date: 05/01/2026
Drawn By: M.B.
Checked By: K.P./P.A.

Sheet No.: E200b

# COMcheck-Web™

## Compliance Certificate

### Project Information

Energy Code: 2024 IECC
Project Title: LensCrafters - Columbia
Location: Columbia, Maryland
Climate Zone: 4a
Project Type: Alteration
Project No: 97981
Project Sub Type: Other Alteration
All Electric: false
Is Renewable: false
Has Battery: false
Has Charger: false
Has Heat Pump false

**Construction Site:**
10300 Little Patuxent Pkwy, Suite 1005
Columbia , Maryland 21044

**Owner/Agent:**
Sasha Morrell
NORR

3133243101
sasha.morrell@norr.com

**Designer/Contractor:**
CoolSys Energy Design
Princeton , 08540

**Notes:**

### Renewable energy

Number of Floors: 1
Area of Three Largest Floors: 0
Proposed Capacity: 0
Required Capacity: 0
Proposed Off-site Energy: 0
Required Off-site Energy: 0
Exception: None

**Renewables Pass**

### Building Area

| Description | Floor Area |
|---|---|
| 1-Retail (Retail) : Nonresidential Tenant Space | 3916 |



# Interior Lighting Compliance Certificate

### Project Information

Energy Code: 2024 IECC
Project Title: LensCrafters - Columbia
Location: Columbia, Maryland
*Climate Zone:* 4a
Project Type: Alteration

**Construction Site:**
10300 Little Patuxent Pkwy, Suite 1005
Columbia , Maryland 21044

**Owner/Agent:**
Sasha Morrell
NORR

3133243101
sasha.morrell@norr.com

**Designer/Contractor:**
CoolSys Energy Design
Princeton , 08540

### Allowed Interior Lighting Power

| A<br>Area Category | B<br>Floor Area (ft2) | C<br>Allowed Watts / ft2 | D<br>Allowed Watts |
|---|---|---|---|
| 1-Tenant (Retail Facilities:Sales area) | 3916 | 0.85 | |
| Allowance: Other retail highlighting / Fix. ID: T06 | 300 (a) | 0.4 | 120 (b) |
| Allowance: Other retail highlighting / Fix. ID: T07 | 300 (a) | 0.4 | 120 (b) |
| Allowance: Other retail highlighting / Fix. ID: T08 | 300 (a) | 0.4 | 120 (b) |
| Supplemental Allowed Watts (c): | | | 750 |
| Total Allowed Watts: | | | 4439 |

(a) Area claimed may exceed total floor area when Retail Merchandise Highlighting allowance(s) are specified.
(b) Allowance is (B x C) or the actual wattage of the fixtures given in Proposed Power section, whichever is less.
(c) Supplemental watts must be associated with retail merchandise highlighting fixtures.

### Proposed Interior Lighting Power

| A<br>Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast | B<br># of Fixture | C<br>Fixture Watt. | D<br>(B X C) |
|---|---|---|---|
| 1-Tenant (Retail Facilities:Sales area) | | | |
| H1:H2:H3: H1:H2:H3: LED: | 7 | 26 | 182 |
| P01: P01: LED: | 39 | 40 | 1560 |
| T06: T06: Track Lighting: Wattage based on current limiting device capacity | 0 | 480 | 480 |
| R2: R2: LED: | 3 | 16.8 | 50.4 |
| W2: W2: LED: | 10 | 37.2 | 372 |
| T07: T07: Track Lighting: Wattage based on current limiting device capacity | 0 | 480 | 480 |
| T08: T08: Track Lighting: Wattage based on current limiting device capacity | 0 | 480 | 480 |
| T02: T02: Track Lighting: Wattage based on current limiting device capacity | 0 | 480 | Exempt |
| Exemption:Retail display window | | | |



| A<br>Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast | B<br># of Fixture | C<br>Fixture Watt. | D<br>(B X C) |
|---|---|---|---|
| T01: T01: Track Lighting: Wattage based on current limiting device capacity | 0 | 480 | Exempt |
| Exemption:Retail display window | | | |
| Total Proposed Watts: | | | 3604.4 |

### Proposed Interior Lighting Controls

| Fixture | Lighting Control |
|---|---|
| 1-Tenant (Retail Facilities:Sales area) | |
| H1:H2:H3: H1:H2:H3: LED: | Interior Timeswitch, Manual Control |
| P01: P01: LED: | Interior Timeswitch, Manual Control |
| T06: T06: Track Lighting: Wattage based on current limiting device capacity | Interior Timeswitch, Manual Control |
| R2: R2: LED: | Interior Timeswitch, Manual Control |
| W2: W2: LED: | Interior Timeswitch, Manual Control |
| T07: T07: Track Lighting: Wattage based on current limiting device capacity | Interior Timeswitch, Manual Control |
| T08: T08: Track Lighting: Wattage based on current limiting device capacity | Interior Timeswitch, Manual Control |
| T02: T02: Track Lighting: Wattage based on current limiting device capacity | Interior Timeswitch, Manual Control |
| T01: T01: Track Lighting: Wattage based on current limiting device capacity | Interior Timeswitch, Manual Control |

**Interior Lighting PASSES**

### Interior Lighting Compliance Statement

*Compliance Statement:* The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2024 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Maria Buzzoni - E.I. Maria Buzzoni 04/02/2026

**Name - Title** **Signature** **Date**



# Inspection Checklist

Energy Code: 2024 IECC

Requirements: 100.0 % were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

### Plan Review

| Section & Req.ID | Plan Review | Complies? | Comments/Assumptions |
|---|---|---|---|
| C105.2 [PRS]* | Plans, specifications, and/or calculations provide all information with which compliance can be determined and the interior lighting and control systems that are to be installed. The document shows exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | **Location on plans/spec:** E200 |

**Additional Comments/Assumptions:**

| | | | | | |
|---|---|---|---|---|---|
| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |



### Rough-In Electrical Inspection

| Section # & Req.ID | Rough-In Electrical Inspection | Complies? | Comments/Assumptions |
|---|---|---|---|
| C405.2.1, C405.2.1.1 [EL7] | Occupancy sensors installed in classrooms/lecture/training rooms, computer classrooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, medical supply rooms, enclosed offices, laundry areas, open plan office areas, restrooms, storage rooms, tasks/ambient rooms, locker rooms, corridors, warehouse storage areas, and other spaces 300 sq.ft or less that are enclosed by floor-to-ceiling height partitions. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | **Exception:** Requirement does not apply. |
| C405.7 [EL3]* | Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | |
| C405.8 [EL4]* | Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings are based on manufacturer's literature data (where certification programs do not exist). | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | |
| C405.10 [EL1]* | Total voltage drop across the combination of feeders and branch circuits <= 5%. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | |
| C405.10.1, C405.10.2 [EL5]* | Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum speed allowed by the applicable with ASME A17.1/CSA B44 or applicable local code when not conveying passengers. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | |
| C405.12, C405.12.1 [EL6]* | 50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, lounges, breakrooms, open plan workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | |
| C405.2.1.2 [EL8]* | Occupancy sensors control function in warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. Each aisleway is controlled separately with each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | **Exception:** Requirement does not apply. |
| C405.2.1.3 [EL9]* | Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) configured so that lighting is permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that the general lighting in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | **Exception:** Requirement does not apply. |
| C405.2.10, C405.2.10.1, C405.2.10.2 [EL10]* | Sleeping or dwelling units provided with lighting controls | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | **Exception:** Requirement does not apply. |



| Section # & Req.ID | Rough-In Electrical Inspection | Complies? | Comments/Assumptions |
|---|---|---|---|
| C405.2.2, C405.2.2.1 [EL11]* | Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | **Location on plans/spec:** E200 |
| C405.2.3.1 [EL12]* | Spaces required to have dimming controls have a manual control that allows the occupant to reduce the connected lighting load to 10% of full power. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | **Location on plans/spec:** E200 |
| C405.2.4, C405.2.4.1, C405.2.4.2, [EL13]* | Daylight zones provided with individual controls that control the lights independent of general lighting. Such controls meet the C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | **Location on plans/spec:** E200 |
| C405.2.5 [EL14]* | Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | **Location on plans/spec:** E200 |

**Additional Comments/Assumptions:**

| | | | | | |
|---|---|---|---|---|---|
| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |



### Final Inspection

| Section # & Req.ID | Final Inspection | Complies? | Comments/Assumptions |
|---|---|---|---|
| C408.1.1 [FI58]* | Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specific maintenance, operating procedures, emergency shutdown, owner how building, equipment and systems are intended to be installed, maintained, and operated. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | |
| C408.2.5 [FI76]* | Furnished as-built drawings for electric power systems within 90 days of system acceptance. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | |
| C408.3 [FI4]* | Lighting systems and receptacle controls have been tested to ensure proper calibration, adjustment, programming, and operation in accordance with C408.3.1.1 through C408.3.1.6. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | **Location on plans/spec:** E200 |
| C408.3.2.2 [FI77]* | Furnished O&M instructions for systems and equipment to the building owner or designated representative. | ☐ Complies<br>☐ Does Not Comply<br>☐ Not Observable<br>☐ Not Applicable | |

**Additional Comments/Assumptions:**

| | | | | | |
|---|---|---|---|---|---|
| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |



DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

STORE 518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

EssilorLuxottica Project Number 101399

Brand Design Type:
LC09

ISSUED FOR:
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☐ PERMIT ☐ BULLETIN

Sheet Name:
ELECTRICAL LIGHTING ENERGY COMPLIANCE

Date 05/01/2026
Drawn By M.B.
Checked By K.P./P.A.

Sheet No.: E201

## A LC09 ELEC. / DATA FACEPLATE, SWITCHES & PLUGS COLOR SCHEDULE

| WALL FINISH | LUTRON DEVICE COLOR | WALL FINISH | LUTRON DEVICE COLOR |
|---|---|---|---|
| P-200 | PUMICE (PM) | | |
| P-501 | MIDNIGHT (MN) | | |
| WC-191 | PUMICE (PM) | | |
| | | | |
| | | | |

UTILIZE LUTRON FOR ALL ELECTRICAL DEVICES. APPLIES TO SWITCHES, (DEVICES & FACEPLATES), RECEPTACLES, (DEVICES & FACEPLATES), DATA, (INSERTS AND FACEPLATES, JACK COLORS NOT APPLICABLE) , HDMI PORTS AND OCCUPANCY SENSORS. SHOULD ANY DEVICES BE LOCATED ON WALLS WITH OTHER FINISHES RATHER THAN WHAT IS SPECIFIED ABOVE, GC SHALL PROVIDE AN RFI TO THE ESSILOR LUXOTTICA PROJECT MANAGER.

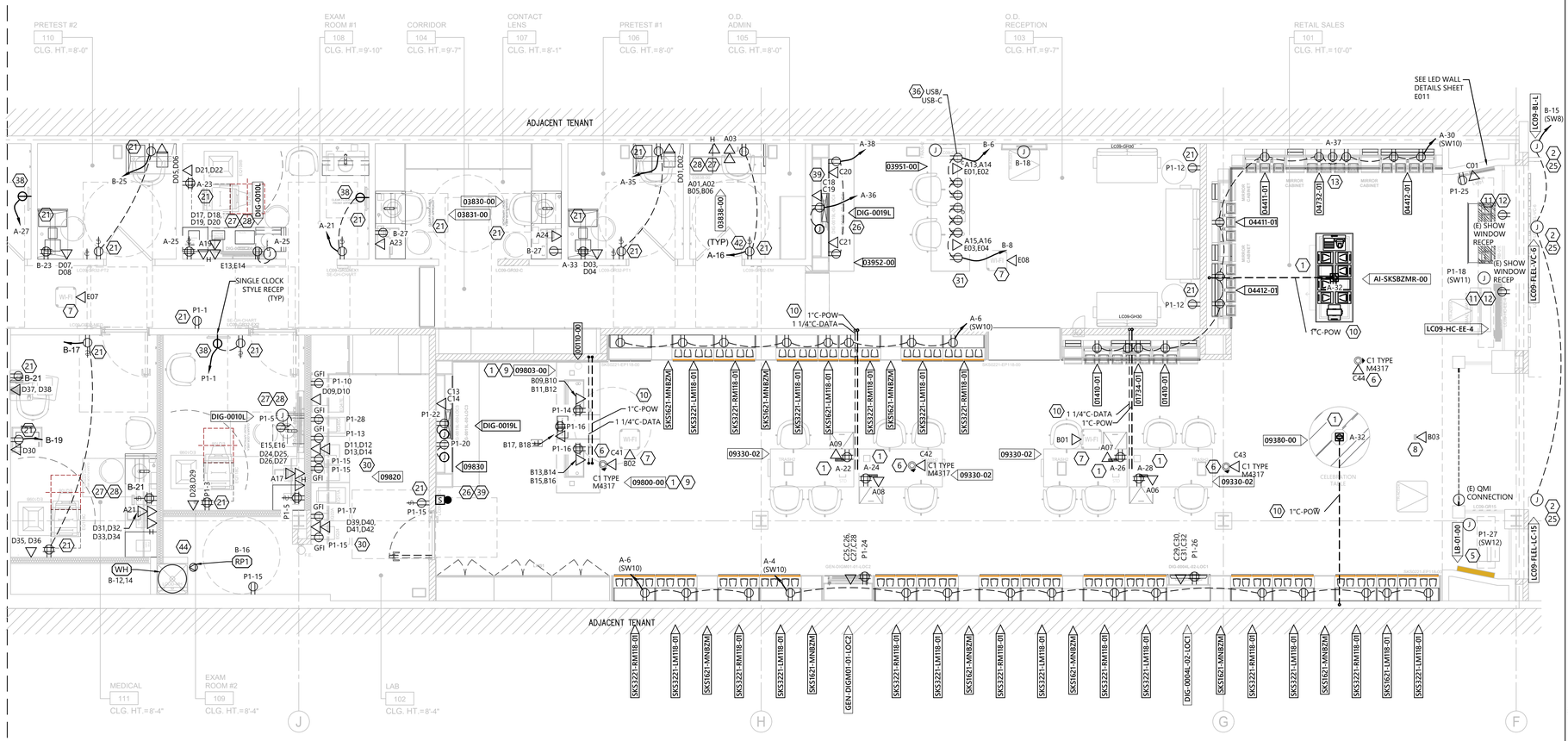
ELECTRICIAN MUST COORDINATE WITH ARCHITECTURAL FINISH PLAN SHEET.

A-LC09-E210-REV05

## B KEY NOTES - ELECTRICAL PLAN

1. PROVIDE CONDUIT STUB UPS FOR POWER AND/OR DATA (WHERE APPLICABLE).
2. HOME-RUN CIRCUIT THROUGH CONTACTORS. TO BE CONTROLLED BY TIMECLOCK. SEE DETAIL ED033 ON SHEET E011.
3. NOT USED.
4. NOT USED.
5. LIGHT BOX TO BE PROVIDED WITH WIRE WHIP FOR ELECTRICAL CONNECTION. PROVIDE RECESSED JUNCTION BOX IN WALL BEHIND LIGHT BOX FOR CONNECTIONS. SEE DETAIL ED050 ON SHEET E011.
6. PROVIDE WIRING FOR TENANT INSTALLED SURVEILLANCE EQUIPMENT. SEE DETAIL ED005 ON SHEET E010 FOR ADDITIONAL INFORMATION. SECURITY CAMERAS INSTALLED BY TENANT SECURITY VENDOR. TRIM TO BE PAINTED TO MATCH ADJACENT CEILING, DO NOT PAINT LENS SOURCE. SEE ARCHITECTURAL SHEETS FOR CEILING COLOR. PENDANT MOUNT 9'-10" A.F.F.
7. RECESSED WIRELESS ACCESS POINT. EC SHALL HAVE A STRUCTURED CABLING CONTRACTOR PROVIDE A CAT6 DATA CABLE FROM TECH RACK TO 24" ABOVE CEILING FOR CONNECTION TO WIRELESS ACCESS POINT. WIRELESS ACCESS POINT VENDOR TO INSTALL OBERON 1019-RM PER MANUFACTURERS INSTALLATION REQUIREMENTS. GC WILL PROVIDE CUTOUT FOR INSTALL AND WILL PAINT THE COVER ONCE INSTALLED. SEE ARCHITECTURAL PLANS FOR LOCATION.
8. E.C. SHALL PROVIDE DATA CABLE FROM TELEPHONE BOARD TO 24" ABOVE CEILING FOR CONNECTION TO SHOPPERTRAK SYSTEM (BY OTHERS). PROVIDE MINIMUM 6 FT COILED CABLE AT BOTH ENDS. SEE ARCHITECTURAL PLANS FOR LOCATION. PENDANT MOUNT CONDUIT AND BOX ON SALES FLOOR LOCATIONS AT 9'-10" A.F.F.
9. PROVIDE POWER AND TELE/DATA STUB UPS BELOW CASH DESK.
10. PROVIDE TRENCHING (AS APPLICABLE) FOR POWER AND TELE/DATA. PROVIDE DEVICES AND DEVICE QUANTITIES AS SPECIFIED ON PLANS. E.C. SHALL COORDINATE INSTALLATION AND CONNECTION REQUIREMENTS WITH FURNITURE MANUFACTURER REPRESENTATIVE. SEE ARCHITECTURAL SHEET A410 FOR CONCRETE POUR-BACK DETAILS.
11. G.C. TO MATCH SHOW WINDOW RECEPTACLES WITH ADJACENT FINISHES VIA LUTRON COLOR SYSTEM. SEE SHEET A102 FOR FINISH CALL OUT AND FACEPLATE COLOR SCHEDULE ON THIS SHEET.
12. PROVIDE NEW COVERPLATES FOR DEVICES EXISTING TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR FINISHES.
13. PROVIDE RECEPTACLE FOR INTERIOR ILLUMINATED SIGNAGE.
14. SOUND SYSTEM UNIT. SPEAKERS, WIRING AND ACCESSORIES ARE SUPPLIED AND INSTALLED BY THE E.C. COORDINATE WORK WITH THE SOUND SYSTEM VENDOR PRIOR TO INSTALLATION ON LIGHTING TRACK.
15. NOT USED.
16. E.C. TO INSTALL OWNER FURNISHED AUDIO SYSTEM INCLUDING CABLE, TRANSMITTER, SPEAKERS AND VOLUME CONTROL. PROVIDE 3/4" CONDUITS FOR ALL WIRING IF REQUIRED FOR ACCESSIBILITY, LOCAL CODE OR LANDLORD REQUIREMENTS. INCLUDE ALL WORK REQUIRED FOR A COMPLETE SYSTEM IN BID. WHERE A FIRE ALARM SYSTEM IS PRESENT, PROVIDE RELAY TO DISCONNECT POWER TO MUSIC SYSTEM WHEN FIRE ALARM SYSTEM IS IN ALARM. SEE DETAIL ED002 ON SHEET E010.
17. PROVIDE COMMUNICATIONS RACK AT TELEPHONE BOARD. SEE DETAIL ED003 ON SHEET E010.
18. TELEPHONE TERMINAL BOARD: 4'x8'x3/4" FIRE RATED PLYWOOD. SEE DETAIL ED002 ON SHEET E010 FOR MOUNTING. COORDINATE LOCATION WITH TENANT REPRESENTATIVE.
19. NOT USED.
20. NOT USED.
21. RECEPTACLE FINISH TO MATCH ADJACENT WALL FINISH AS CLOSE AS POSSIBLE. ALL RECEPTACLES AND SWITCHES ARE TO USE THE LUTRON COLOR SYSTEM. SEE DETAIL "A" ON THIS SHEET.
22. MECHANICAL CONTRACTOR SHALL PROVIDE ADDRESSABLE DUCT MOUNTED SMOKE DETECTOR. MECHANICAL CONTRACTOR SHALL INSTALL SMOKE DETECTOR IN THE SUPPLY AND RETURN AIR DUCT. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING TO FAN INTERLOCK. E.C. SHALL MAKE FINAL CONNECTIONS TO THE REMOTE ANNUNCIATORS. E.C. SHALL COORDINATE EXACT PRODUCTS/DEVICES WITH LANDLORD AND COORDINATE WITH LANDLORD AND FIRE ALARM CONTRACTOR FOR INSTALLATION, TESTING AND PROGRAMMING. CONTRACTORS MAY RETAIN DUCT DETECTORS FOR EXISTING UNITS AS APPLICABLE. WHEN THERE IS NO FIRE ALARM SYSTEM, DETECTORS TO OPERATE IN STANDALONE FUNCTION; PANEL TO BE PROVIDED BY THE EC AND INCLUDE A DIALER.
23. NOT USED.
24. SEE ELECTRICAL ONE-LINE DIAGRAM - DETAIL ED044 ON SHEET E020.
25. PROVIDE JUNCTION BOX AND LOCAL DISCONNECTING MEANS TO POWER EXTERIOR BUILDING SIGNAGE. JUNCTION BOX AND LOCAL DISCONNECT MUST BE LOCATED WITHIN 6' OF THE EXTERIOR SIGNAGE BROUGHT TO THE INTERIOR OF THE SPACE TO THE JBOX REACHABLE FROM THE ACCESS PANEL. COORDINATE PATH ROUTE WHILE VISITING THE SITE PRIOR TO BID AND COORDINATE WITH SIGNAGE VENDOR EXACT CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
26. PROVIDE DEVICE RING AND CLOCK STYLE OUTLET FOR MONITOR.
27. ROUTE PLENUM RATED HDMI CABLE FROM BOX TO BOX, OVER CEILING AND IN WALL. PROVIDE IN CONDUIT WHERE REQUIRED BY THE JURISDICTION. PROVIDE LUTRON CW SERIES COVER PLATE FOR HDMI PASS THROUGH.
28. PROVIDE DEVICE RING FOR HDMI CABLE.
29. NOT USED.
30. RECEPTACLE TO BE MOUNTED ABOVE COUNTER AT 48"AFF.
31. UTILIZE FULL HEIGHT WALL TO ROUTE POWER AND DATA TO CASEWORK.
32. NOT USED.
33. NOT USED.
34. NOT USED.
35. NOT USED.
36. RECEPTACLE SHALL HAVE (2) INTEGRATED USB AND USB-C PORTS.
37. NOT USED.
38. RECEPTACLE FOR C600 ESSILOR CHART TO BE MOUNTED IN RECESSED BOX TO ENSURE FLUSH MOUNT OF ESSILOR CHART.
39. RETAIL AND OD BACKWRAP CABINETS, PROVIDE 2' WHIP OUT OF WALL AT SPECIFIED HEIGHT FOR CONNECTION TO BACKWRAP MONITOR AND INTEGRATED SIGNAGE. PROVIDE RECEPTACLES TO POWER MONITOR AND SIGN. RECEPTACLES SHALL BE MOUNTED INSIDE CABINET AND SHALL BE CONNECTED AT THE END OF PROVIDED WHIP. COORDINATE EXACT MOUNTING AND CONNECTION REQUIREMENTS WITH FURNITURE VENDOR PRIOR TO ROUGH IN.
40. NOT USED.
41. NOT USED.
42. CONNECT RECEPTACLE TO OCCUPANCY SENSOR SWITCH FOR AUTOMATIC RECEPTACLE CONTROL COMPLIANCE.
43. TELEPHONE TERMINAL BOARD: 4'x4'x3/4" FIRE RATED PLYWOOD. SEE DETAIL ED002 ON SHEET E010 FOR MOUNTING DETAILS.
44. FOR ELECTRIC HOT WATER HEATER AND CIRCULATION PUMP. COORDINATE FINAL LOCATIONS WITH PLUMBING DRAWINGS AND PLUMBER.

B-LC09-E210-REV10




1 ELECTRICAL - POWER/SYSTEMS
SCALE: 1/4" = 1'-0"

## C COORDINATION NOTES

DO NOT ROUGH IN ANY RECEPTACLES OR DATA OUTLETS ON THE SALES FLOOR WITHOUT FIRST CONFIRMING EXACT LOCATION WITH ESSILOR LUXOTTICA PROJECT MANAGER.

DO NOT PURCHASE FLOOR BOXES WITHOUT FIRST VERIFYING FINISH (FROM MANUFACTURER'S STANDARD) FOR A PARTICULAR BOX IN A PARTICULAR LOCATION.

### SECURITY CAMERAS:

SECURITY CAMERAS SHALL NOT RECEIVE ANY ABOVE CEILING JUNCTION BOX. THE CAMERAS HAVE THEIR OWN RECESS MOUNT KITS. LOCATION OF CAMERAS SHALL BE MARKED CLEARLY IN ORDER FOR SECURITY CAMERA TECHNICIAN TO LOCATE. ALL WIRING TO BE PROVIDED AND INSTALLED PER ELECTRICAL PLANS.

### DATA / VOICE / VIDEO / MEDIA CABLING:

VERIFY FINAL CAT 6 NETWORK / TECHNOLOGY CABLING QUANTITIES TO EACH DEVICE WITH THE ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO ROUGH-IN.

### FIRE ALARM

DEFERRED SUBMITTAL REQUIREMENTS:
THE FIRE ALARM PLANS PROVIDED IN THIS SET OF DRAWINGS IS FOR DESIGN INTENT PER NFPA-300. THE GENERAL CONTRACTOR SHALL ENGAGE THE FIRE ALARM CONTRACTOR (WHEN REQUIRED, THE LANDLORD REQUIRED CONTRACTOR SHALL BE USED) TO COMPLETE THE INSTALLATION THAT IS COMPLIANT WITH APPLICABLE CODES. INCLUDE SUBMITTALS TO THE JURISDICTION AS REQUIRED TO SECURE PERMIT AND CERTIFICATE OF OCCUPANCY. INCLUDE ALL DESIGN AND JURISDICTIONAL FEES AS REQUIRED FOR THIS WORK.

### NOTES

CIRCUITS WERE TAKEN FROM PICTURES OF THE ELECTRICAL PANEL DIRECTORY CARDS. ELECTRICAL CONTRACTOR SHALL REVISE CIRCUITS SHOWN ON THESE PLANS TO WORK WITH EXISTING CIRCUITS THAT MAY EXIST IN THE AREA AS WELL AS CIRCUITS THAT ARE TO REMAIN POWERING EXISTING EQUIPMENT.

ALL POWER/DATA OUTLETS, SWITCHES, AND COVERPLATES ARE TO USE THE LUTRON COLOR SYSTEM, FINISH TO BE CONFIRMED WITH ESSILOR LUXOTTICA PM. ADDITIONALLY, SWITCHED OUTLETS ARE TO BE LABELED WITH CLEAR LABELS, 1/4" HIGH BLACK LETTERS WITH WORD "SWITCHED"

DO NOT INSTALL JUNCTION BOXES (WITH OR WITHOUT COVERS) VISIBLE TO THE PUBLIC IN THE SALES AND PUBLIC BACK OF HOUSE AREAS. IF THIS IS DONE, THE GC IS REQUIRED TO REMOVE THE JUNCTION BOX AT HIS/HER EXPENSE.

ALL EXAM ROOM WIRING SHALL BE DONE IN COMPLIANCE WITH N.E.C. SECTION 517.13 AND ANY LOCAL ELECTRICAL AMENDMENTS REQUIRING GROUNDING TERMINAL OF ALL RECEPTACLES AND ALL NON-CURRENT-CARRYING CONDUCTIVE SURFACES OF FIXED ELECTRIC EQUIPMENT LIKELY TO BECOME ENERGIZED THAT ARE SUBJECT TO PERSONAL CONTACT, OPERATING AT OVER 100 VOLTS, SHALL BE GROUNDED BY ANY INSULATED COPPER CONDUCTOR. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH TABLE 250.122 AND INSTALLED IN METAL RACEWAY OR AS A PART OF LISTED CABLES HAVING A METALLIC ARMOR OR SHEATH ASSEMBLY WITH THE BRANCH CIRCUIT CONDUCTORS SUPPLYING THESE RECEPTACLES OR FIXED EQUIPMENT.

ALL OUTLETS ARE TO BE LABELED WITH PANEL AND CIRCUIT NUMBER.

### ELECTRICAL DEVICE LOCATIONS

FOR THE EXACT DEVICE LOCATION:
- SEE SHEET E220 - ELECTRICAL DEVICE DIMENSION PLAN.
- SEE SHEET E030 AND E031 AND E032 - ELECTRICAL CASEWORK DETAILS.
- COORDINATE WITH THE ARCHITECTURAL CASEWORK ELEVATION PLANS.
- IN-FLOOR POWER/DATA/TRENCHING TO BE COORDINATE WITH THE ESSILOR LUXOTTICA PM, ARCHITECTURAL PLANS, ELECTRICAL PLANS, AND LANDLORD.

C-LC09-E210-REV04

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Coolsys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**
☐ 100% PRELIM ☐ CONSTRUCTION
☒ 100% FINAL ☐ ADDENDUM
☐ PERMIT ☐ BULLETIN

Sheet Name: ELECTRICAL POWER/SYSTEMS PLAN

Date: 05/01/2026
Drawn By: M.B.
Checked By: K.P./P.A.

Sheet No.: E210a

## A — LC09 ELEC. / DATA FACEPLATE, SWITCHES & PLUGS COLOR SCHEDULE

| WALL FINISH | LUTRON DEVICE COLOR | WALL FINISH | LUTRON DEVICE COLOR |
|---|---|---|---|
| P-200 | PUMICE (PM) | | |
| P-501 | MIDNIGHT (MN) | | |
| WC-191 | PUMICE (PM) | | |
| | | | |
| | | | |

UTILIZE LUTRON FOR ALL ELECTRICAL DEVICES. APPLIES TO SWITCHES, (DEVICES & FACEPLATES), RECEPTACLES, (DEVICES & FACEPLATES), DATA, (INSERTS AND FACEPLATES. JACK COLORS NOT APPLICABLE) , HDMI PORTS AND OCCUPANCY SENSORS. SHOULD ANY DEVICES BE LOCATED ON WALLS WITH OTHER FINISHES RATHER THAN WHAT IS SPECIFIED ABOVE, GC SHALL PROVIDE AN RFI TO THE ESSILOR LUXOTTICA PROJECT MANAGER.

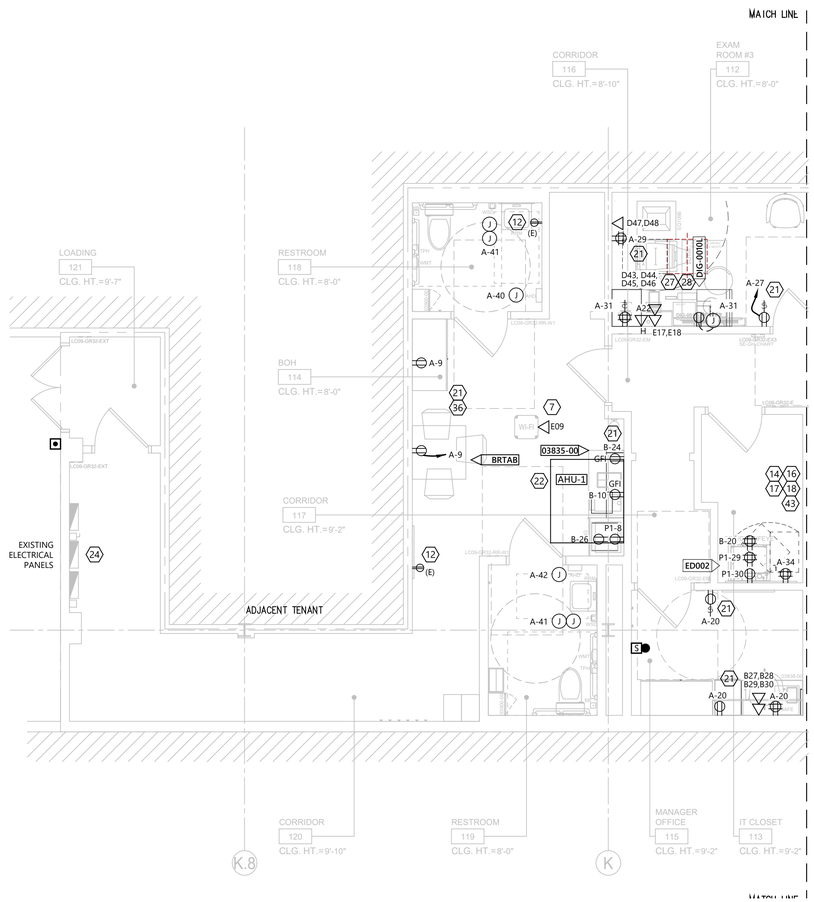
ELECTRICIAN MUST COORDINATE WITH ARCHITECTURAL FINISH PLAN SHEET.

A-LC09-E210-REV05

## B — KEY NOTES - ELECTRICAL PLAN

1. PROVIDE CONDUIT STUB UPS FOR POWER AND/OR DATA (WHERE APPLICABLE).
2. HOME-RUN CIRCUIT THROUGH CONTACTORS, TO BE CONTROLLED BY TIMECLOCK. SEE DETAIL ED033 ON SHEET E011.
3. NOT USED.
4. NOT USED.
5. LIGHT BOX TO BE PROVIDED WITH WIRE WHIP FOR ELECTRICAL CONNECTION. PROVIDE RECESSED JUNCTION BOX IN WALL BEHIND LIGHT BOX FOR CONNECTIONS. SEE DETAIL ED050 ON SHEET E011.
6. PROVIDE WIRING FOR TENANT INSTALLED SURVEILLANCE EQUIPMENT. SEE DETAIL ED005 ON SHEET E010 FOR ADDITIONAL INFORMATION. SECURITY CAMERAS INSTALLED BY TENANT SECURITY VENDOR. TRIM TO BE PAINTED TO MATCH ADJACENT CEILING, DO NOT PAINT LENS SOURCE. SEE ARCHITECTURAL SHEETS FOR CEILING COLOR. PENDANT MOUNT 9'-10" A.F.F.
7. RECESSED WIRELESS ACCESS POINT. EC SHALL HAVE A STRUCTURED CABLING CONTRACTOR PROVIDE A CAT6 DATA CABLE FROM TECH RACK TO 24" ABOVE CEILING FOR CONNECTION TO WIRELESS ACCESS POINT. WIRELESS ACCESS POINT VENDOR TO INSTALL OBERON 1019-RM PER MANUFACTURERS INSTALLATION REQUIREMENTS. GC WILL PROVIDE CUTOUT FOR INSTALL AND WILL PAINT THE COVER ONCE INSTALLED. SEE ARCHITECTURAL PLANS FOR LOCATION.
8. E.C. SHALL PROVIDE DATA CABLE FROM TELEPHONE BOARD TO 24" ABOVE CEILING FOR CONNECTION TO SHOPPERTRAK SYSTEM (BY OTHERS). PROVIDE MINIMUM 6 FT COILED CABLE AT BOTH ENDS. SEE ARCHITECTURAL PLANS FOR LOCATION. PENDANT MOUNT CONDUIT AND BOX ON SALES FLOOR LOCATIONS AT 9'-10" A.F.F.
9. PROVIDE POWER AND TELE/DATA STUB UPS BELOW CASH DESK.
10. PROVIDE TRENCHING (AS APPLICABLE) FOR POWER AND TELE/DATA. PROVIDE DEVICES AND DEVICE QUANTITIES AS SPECIFIED ON PLANS. E.C. SHALL COORDINATE INSTALLATION AND CONNECTION REQUIREMENTS WITH FURNITURE MANUFACTURER REPRESENTATIVE. SEE ARCHITECTURAL SHEET A410 FOR CONCRETE POUR-BACK DETAILS.
11. G.C. TO MATCH SHOW WINDOW RECEPTACLES WITH ADJACENT FINISHES VIA LUTRON COLOR SYSTEM. SEE SHEET A102 FOR FINISH CALL OUT AND FACEPLATE COLOR SCHEDULE ON THIS SHEET.
12. PROVIDE NEW COVERPLATES FOR DEVICES EXISTING TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR FINISHES.
13. PROVIDE RECEPTACLE FOR INTERIOR ILLUMINATED SIGNAGE.
14. SOUND SYSTEM UNIT. SPEAKERS, WIRING AND ACCESSORIES ARE SUPPLIED AND INSTALLED BY THE E.C. COORDINATE WORK WITH THE SOUND SYSTEM VENDOR PRIOR TO INSTALLATION ON LIGHTING TRACK.
15. NOT USED.
16. E.C. TO INSTALL OWNER FURNISHED AUDIO SYSTEM INCLUDING CABLE, TRANSMITTER, SPEAKERS AND VOLUME CONTROL. PROVIDE 3/4" CONDUITS FOR ALL WIRING IF REQUIRED FOR ACCESSIBILITY, LOCAL CODE OR LANDLORD REQUIREMENTS. INCLUDE ALL WORK REQUIRED FOR A COMPLETE SYSTEM IN BID. WHERE A FIRE ALARM SYSTEM IS PRESENT, PROVIDE RELAY TO DISCONNECT POWER TO MUSIC SYSTEM WHEN FIRE ALARM SYSTEM IS IN ALARM. SEE DETAIL ED002 ON SHEET E010.
17. PROVIDE COMMUNICATIONS RACK AT TELEPHONE BOARD. SEE DETAIL ED003 ON SHEET E010.
18. TELEPHONE TERMINAL BOARD: 4'x8'x3/4" FIRE RATED PLYWOOD. SEE DETAIL ED002 ON SHEET E010 FOR MOUNTING. COORDINATE LOCATION WITH TENANT REPRESENTATIVE.
19. NOT USED.
20. NOT USED.
21. RECEPTACLE FINISH TO MATCH ADJACENT WALL FINISH AS CLOSE AS POSSIBLE. ALL RECEPTACLES AND SWITCHES ARE TO USE THE LUTRON COLOR SYSTEM. SEE DETAIL "A" ON THIS SHEET.
22. MECHANICAL CONTRACTOR SHALL PROVIDE ADDRESSABLE DUCT MOUNTED SMOKE DETECTOR. MECHANICAL CONTRACTOR SHALL INSTALL SMOKE DETECTOR IN THE SUPPLY AND RETURN AIR DUCT. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING TO FAN INTERLOCK. E.C. SHALL MAKE FINAL CONNECTIONS TO THE REMOTE ANNUNCIATORS. E.C. SHALL COORDINATE EXACT PRODUCTS/DEVICES WITH LANDLORD AND COORDINATE WITH LANDLORD AND FIRE ALARM CONTRACTOR FOR INSTALLATION, TESTING AND PROGRAMMING. CONTRACTORS MAY RETAIN DUCT DETECTORS FOR EXISTING UNITS AS APPLICABLE. WHEN THERE IS NO FIRE ALARM SYSTEM, DETECTORS TO OPERATE IN STANDALONE FUNCTION; PANEL TO BE PROVIDED BY THE EC AND INCLUDE A DIALER.
23. NOT USED.
24. SEE ELECTRICAL ONE-LINE DIAGRAM - DETAIL ED044 ON SHEET E020.
25. PROVIDE JUNCTION BOX AND LOCAL DISCONNECTING MEANS TO POWER EXTERIOR BUILDING SIGNAGE. JUNCTION BOX AND LOCAL DISCONNECT MUST BE LOCATED WITHIN 6' OF THE EXTERIOR SIGNAGE BROUGHT TO THE INTERIOR OF THE SPACE TO THE JBOX REACHABLE FROM THE ACCESS PANEL. COORDINATE PATH ROUTE WHILE VISITING THE SITE PRIOR TO BID AND COORDINATE WITH SIGNAGE VENDOR EXACT CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
26. PROVIDE DEVICE RING AND CLOCK STYLE OUTLET FOR MONITOR.
27. ROUTE PLENUM RATED HDMI CABLE FROM BOX TO BOX, OVER CEILING AND IN WALL. PROVIDE IN CONDUIT WHERE REQUIRED BY THE JURISDICTION. PROVIDE LUTRON CW SERIES COVER PLATE FOR HDMI PASS THROUGH.
28. PROVIDE DEVICE RING FOR HDMI CABLE.
29. NOT USED.
30. RECEPTACLE TO BE MOUNTED ABOVE COUNTER AT 48"AFF.
31. UTILIZE FULL HEIGHT WALL TO ROUTE POWER AND DATA TO CASEWORK.
32. NOT USED.
33. NOT USED.
34. NOT USED.
35. NOT USED.
36. RECEPTACLE SHALL HAVE (2) INTEGRATED USB AND USB-C PORTS.
37. NOT USED.
38. RECEPTACLE FOR C600 ESSILOR CHART TO BE MOUNTED IN RECESSED BOX TO ENSURE FLUSH MOUNT OF ESSILOR CHART.
39. RETAIL AND OD BACKWRAP CABINETS, PROVIDE 2' WHIP OUT OF WALL AT SPECIFIED HEIGHT FOR CONNECTION TO BACKWRAP MONITOR AND INTEGRATED SIGNAGE. PROVIDE RECEPTACLES TO POWER MONITOR AND SIGN. RECEPTACLES SHALL BE MOUNTED INSIDE CABINET AND SHALL BE CONNECTED AT THE END OF PROVIDED WHIP. COORDINATE EXACT MOUNTING AND CONNECTION REQUIREMENTS WITH FURNITURE VENDOR PRIOR TO ROUGH IN.
40. NOT USED.
41. NOT USED.
42. CONNECT RECEPTACLE TO OCCUPANCY SENSOR SWITCH FOR AUTOMATIC RECEPTACLE CONTROL COMPLIANCE.
43. TELEPHONE TERMINAL BOARD: 4'x4'x3/4" FIRE RATED PLYWOOD. SEE DETAIL ED002 ON SHEET E010 FOR MOUNTING DETAILS.
44. FOR ELECTRIC HOT WATER HEATER AND CIRCULATION PUMP. COORDINATE FINAL LOCATIONS WITH PLUMBING DRAWINGS AND PLUMBER.

B-LC09-E210-REV10




1 ELECTRICAL - POWER/SYSTEMS
SCALE: 1/4" = 1'-0"

## C — COORDINATION NOTES

DO NOT ROUGH IN ANY RECEPTACLES OR DATA OUTLETS ON THE SALES FLOOR WITHOUT FIRST CONFIRMING EXACT LOCATION WITH ESSILOR LUXOTTICA PROJECT MANAGER.

DO NOT PURCHASE FLOOR BOXES WITHOUT FIRST VERIFYING FINISH (FROM MANUFACTURER'S STANDARD) FOR A PARTICULAR BOX IN A PARTICULAR LOCATION.

### SECURITY CAMERAS:

SECURITY CAMERAS SHALL NOT RECEIVE ANY ABOVE CEILING JUNCTION BOX. THE CAMERAS HAVE THEIR OWN RECESS MOUNT KITS. LOCATION OF CAMERAS SHALL BE MARKED CLEARLY IN ORDER FOR SECURITY CAMERA TECHNICIAN TO LOCATE. ALL WIRING TO BE PROVIDED AND INSTALLED PER ELECTRICAL PLANS.

### DATA / VOICE / VIDEO / MEDIA CABLING:

VERIFY FINAL CAT 6 NETWORK / TECHNOLOGY CABLING QUANTITIES TO EACH DEVICE WITH THE ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO ROUGH-IN.

### FIRE ALARM

DEFERRED SUBMITTAL REQUIREMENTS:
THE FIRE ALARM PLANS PROVIDED IN THIS SET OF DRAWINGS IS FOR DESIGN INTENT PER NFPA-300. THE GENERAL CONTRACTOR SHALL ENGAGE THE FIRE ALARM CONTRACTOR (WHEN REQUIRED, THE LANDLORD REQUIRED CONTRACTOR SHALL BE USED) TO COMPLETE THE INSTALLATION THAT IS COMPLIANT WITH APPLICABLE CODES. INCLUDE SUBMITTALS TO THE JURISDICTION AS REQUIRED TO SECURE PERMIT AND CERTIFICATE OF OCCUPANCY. INCLUDE ALL DESIGN AND JURISDICTIONAL FEES AS REQUIRED FOR THIS WORK.

### NOTES

CIRCUITS WERE TAKEN FROM PICTURES OF THE ELECTRICAL PANEL DIRECTORY CARDS. ELECTRICAL CONTRACTOR SHALL REVISE CIRCUITS SHOWN ON THESE PLANS TO WORK WITH EXISTING CIRCUITS THAT MAY EXIST IN THE AREA AS WELL AS CIRCUITS THAT ARE TO REMAIN POWERING EXISTING EQUIPMENT.

ALL POWER/DATA OUTLETS, SWITCHES, AND COVERPLATES ARE TO USE THE LUTRON COLOR SYSTEM, FINISH TO BE CONFIRMED WITH ESSILOR LUXOTTICA PM. ADDITIONALLY, SWITCHED OUTLETS ARE TO BE LABELED WITH CLEAR LABELS, 1/4" HIGH BLACK LETTERS WITH WORD "SWITCHED"

DO NOT INSTALL JUNCTION BOXES (WITH OR WITHOUT COVERS) VISIBLE TO THE PUBLIC IN THE SALES AND PUBLIC BACK OF HOUSE AREAS. IF THIS IS DONE, THE GC IS REQUIRED TO REMOVE THE JUNCTION BOX AT HIS/HER EXPENSE.

ALL EXAM ROOM WIRING SHALL BE DONE IN COMPLIANCE WITH N.E.C. SECTION 517.13 AND ANY LOCAL ELECTRICAL AMENDMENTS REQUIRING GROUNDING TERMINAL OF ALL RECEPTACLES AND ALL NON-CURRENT-CARRYING CONDUCTIVE SURFACES OF FIXED ELECTRIC EQUIPMENT LIKELY TO BECOME ENERGIZED THAT ARE SUBJECT TO PERSONAL CONTACT, OPERATING AT OVER 100 VOLTS, SHALL BE GROUNDED BY ANY INSULATED COPPER CONDUCTOR. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH TABLE 250.122 AND INSTALLED IN METAL RACEWAY OR AS A PART OF LISTED CABLES HAVING A METALLIC ARMOR OR SHEATH ASSEMBLY WITH THE BRANCH CIRCUIT CONDUCTORS SUPPLYING THESE RECEPTACLES OR FIXED EQUIPMENT.

ALL OUTLETS ARE TO BE LABELED WITH PANEL AND CIRCUIT NUMBER.

### ELECTRICAL DEVICE LOCATIONS

FOR THE EXACT DEVICE LOCATION:
- SEE SHEET E220 - ELECTRICAL DEVICE DIMENSION PLAN.
- SEE SHEET E030 AND E031 AND E032 - ELECTRICAL CASEWORK DETAILS.
- COORDINATE WITH THE ARCHITECTURAL CASEWORK ELEVATION PLANS.
- IN-FLOOR POWER/DATA/TRENCHING TO BE COORDINATE WITH THE ESSILOR LUXOTTICA PM, ARCHITECTURAL PLANS, ELECTRICAL PLANS, AND LANDLORD.

C-LC09-E210-REV04


DESIGN & CONSTRUCTION MANAGEMENT:
EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:
LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


Architect / Engineer of Record
NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

Coolsys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name: ELECTRICAL POWER/SYSTEMS PLAN

Date: 05/01/2026
Drawn By: M.B.
Checked By: K.P./P.A.

Sheet No.: E210b

## A GENERAL NOTES - ELECTRICAL DIMENSION

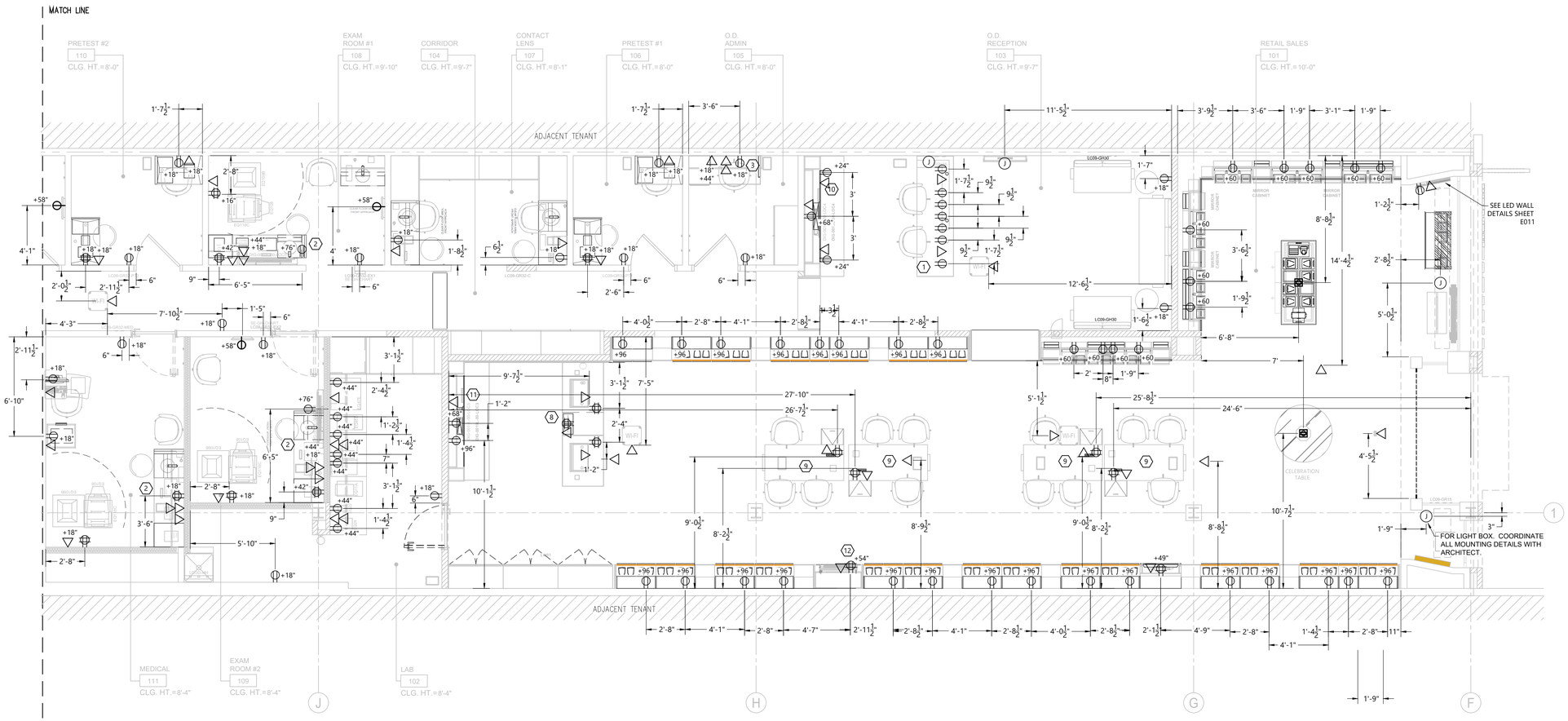
1. FLOOR BOX AND CONDUIT STUB UP LOCATIONS TO BE VERIFIED WITH THE ARCHITECTURAL PLANS / CASEWORK LAYOUT, GENERAL CONTRACTOR, AND ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO TRENCHING FLOOR.
2. VERIFY ALL MONITOR LOCATIONS AND EXACT HEIGHT REQUIREMENTS FOR THE ELECTRICAL DEVICES.
3. EXAM ROOMS: VERIFY EXACT LOCATION AND HEIGHTS REQUIRED FOR EYE EXAM EQUIPMENT.
4. HEIGHTS LISTED ARE TO CENTER OF BOX.
5. SEE ARCHITECTURAL PLANS TO COORDINATE DEVICE HEIGHTS FOR ALL CASEWORK.
6. HAND DRYERS: VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECTURAL PLANS AND MANUFACTURER RECOMMENDATIONS.
7. ELECTRICAL WATER COOLER: VERIFY FINAL MOUNTING LOCATION WITH THE PLUMBING CONTRACTOR.
8. DATA OUTLETS TO BE LOCATED ADJACENT TO RECEPTACLE.
9. VERIFY ALL DIGITAL MONITOR LOCATIONS PRIOR TO ROUGH-IN OF MONITOR DEVICES.
10. IF MOUNTING HEIGHT FOR RECEPTACLE IS NOT EXPLICITLY NOTED, RECEPTACLE CAN BE ASSUMED TO BE MOUNTED AT 18".

A-LC09-E220-REV05

## B KEY NOTES - DIMENSION PLAN

1. REFER TO SHEET DETAIL 2/E031 FOR OD DESK OUTLET DIMENSIONS.
2. REFER TO SHEET DETAIL 5/E032 FOR EXAM ROOM & MEDICAL ROOM DESK OUTLET DIMENSIONS.
3. REFER TO SHEET DETAIL 9/E031 FOR ADMIN OFFICE DESK OUTLET DIMENSIONS.
4. NOT USED.
5. NOT USED.
6. REFER TO SHEET DETAIL 1/E031 FOR BREAK ROOM COUNTER OUTLET DIMENSIONS.
7. REFER TO SHEET DETAIL 9/E032 FOR BOH WORK DESK OUTLET DIMENSIONS.
8. REFER TO SHEET DETAIL 3/E031 & 4/E032 FOR CASH DESK OUTLET DIMENSIONS.
9. REFER TO SHEET DETAIL 5/E031 FOR CASH DESK OUTLET DIMENSIONS.
10. REFER TO SHEET DETAIL 8/E032 FOR BACK-WRAP WALL OUTLET DIMENSIONS.
11. REFER TO SHEET DETAIL 8/E031 FOR RETAIL BACK-WRAP OUTLET DIMENSIONS.
12. REFER TO SHEET DETAIL 1/E011 FOR DIGITAL TOUCH MONITOR OUTLET DIMENSIONS.

A-LC09-E200-REV10




1 ELECTRICAL - DIMENSION PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/30/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:
ELECTRICAL DIMENSIONING PLAN

Date 05/01/2026
Drawn By M.B.
Checked By K.P./P.A

Sheet No.: E220a

## A GENERAL NOTES - ELECTRICAL DIMENSION

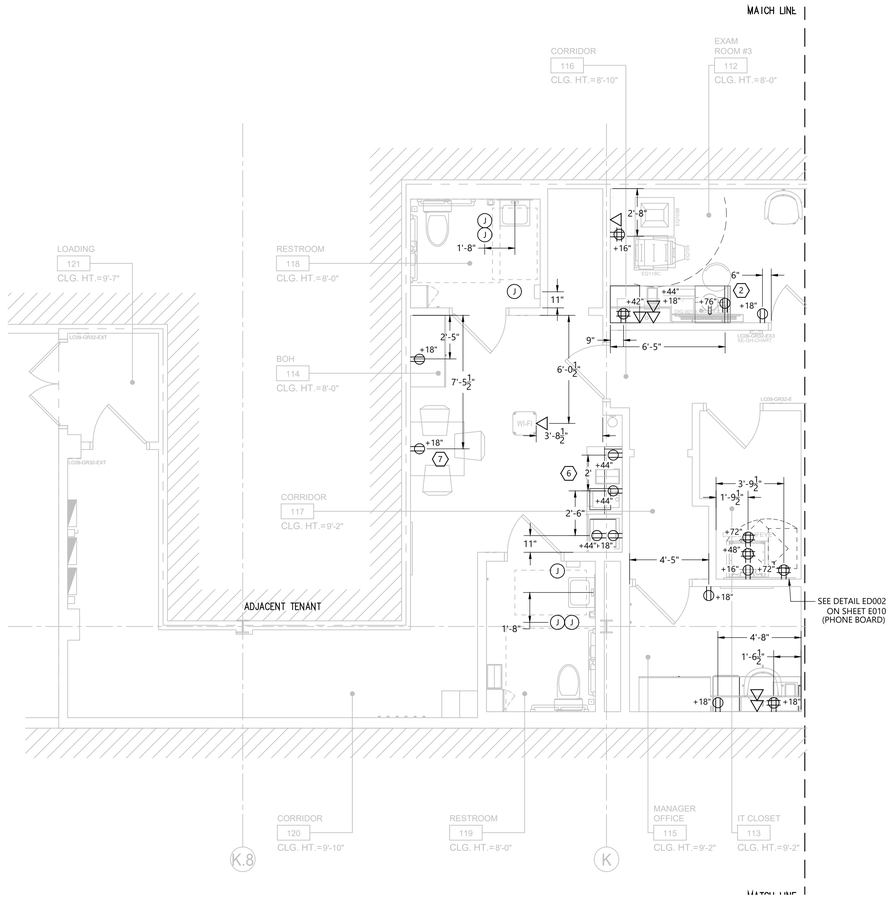
1. FLOOR BOX AND CONDUIT STUB UP LOCATIONS TO BE VERIFIED WITH THE ARCHITECTURAL PLANS / CASEWORK LAYOUT, GENERAL CONTRACTOR, AND ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO TRENCHING FLOOR.
2. VERIFY ALL MONITOR LOCATIONS AND EXACT HEIGHT REQUIREMENTS FOR THE ELECTRICAL DEVICES.
3. EXAM ROOMS: VERIFY EXACT LOCATION AND HEIGHTS REQUIRED FOR EYE EXAM EQUIPMENT.
4. HEIGHTS LISTED ARE TO CENTER OF BOX.
5. SEE ARCHITECTURAL PLANS TO COORDINATE DEVICE HEIGHTS FOR ALL CASEWORK.
6. HAND DRYERS: VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECTURAL PLANS AND MANUFACTURER RECOMMENDATIONS.
7. ELECTRICAL WATER COOLER: VERIFY FINAL MOUNTING LOCATION WITH THE PLUMBING CONTRACTOR.
8. DATA OUTLETS TO BE LOCATED ADJACENT TO RECEPTACLE.
9. VERIFY ALL DIGITAL MONITOR LOCATIONS PRIOR TO ROUGH-IN OF MONITOR DEVICES.
10. IF MOUNTING HEIGHT FOR RECEPTACLE IS NOT EXPLICITLY NOTED, RECEPTACLE CAN BE ASSUMED TO BE MOUNTED AT 18".

A-LC09-E220-REV05

## B KEY NOTES - DIMENSION PLAN

1. REFER TO SHEET DETAIL 2/E031 FOR OD DESK OUTLET DIMENSIONS.
2. REFER TO SHEET DETAIL 5/E032 FOR EXAM ROOM & MEDICAL ROOM DESK OUTLET DIMENSIONS.
3. REFER TO SHEET DETAIL 9/E031 FOR ADMIN OFFICE DESK OUTLET DIMENSIONS.
4. NOT USED.
5. NOT USED.
6. REFER TO SHEET DETAIL 1/E031 FOR BREAK ROOM COUNTER OUTLET DIMENSIONS.
7. REFER TO SHEET DETAIL 9/E032 FOR BOH WORK DESK OUTLET DIMENSIONS.
8. REFER TO SHEET DETAIL 3/E031 & 4/E032 FOR CASH DESK OUTLET DIMENSIONS.
9. REFER TO SHEET DETAIL 5/E031 FOR CASH DESK OUTLET DIMENSIONS.
10. REFER TO SHEET DETAIL 8/E032 FOR BACK-WRAP WALL OUTLET DIMENSIONS.
11. REFER TO SHEET DETAIL 8/E031 FOR RETAIL BACK-WRAP OUTLET DIMENSIONS.
12. REFER TO SHEET DETAIL 1/E011 FOR DIGITAL TOUCH MONITOR OUTLET DIMENSIONS.

A-LC09-E200-REV10




1 ELECTRICAL - DIMENSION PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com

Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:
ELECTRICAL DIMENSIONING PLAN

Date 05/01/2026
Drawn By M.B.
Checked By K.P./P.A.

Sheet No.:
E220b

## A FIRE PROTECTION LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| ⊙ | CONCEALED QUICK RESPONSE HEAD<br>SUPPLY FACTORY FINISHED CUSTOM COLOR FACE PLATES FOR THE CONCEALED HEADS. PLACE ORDER FOR FACE PLATES UPON AWARD, ITEM IS A LONG LEAD TIME.<br>COLOR TO MATCH ADJACENT CEILING COLOR (SEE NOTE ON THIS SHEET). |
| ⊗ | SEMI RECESSED CHROME QUICK RESPONSE HEAD |
| ⓘ | UPRIGHT SPRINKLER HEAD |
| F | NEW FIRE PROTECTION PIPING |
| EX F | EXISTING FIRE PROTECTION PIPING |
| DOWN UP | PIPE RISERS |
| EX F F | POINT OF CONNECTION (POC) |
| | CAPPED PIPING |

A-LC09-FP100-REV04

## B KEY NOTES - FIRE PROTECTION PLAN

1. DISCONNECT AND REMOVE EXISTING CONCEALED SPRINKLER HEAD IN THIS AREA. RE-WORK PIPING AS REQUIRED FOR NEW LAYOUT.
2. DISCONNECT AND REMOVE EXISTING SEMI RECESSED SPRINKLER HEAD IN THIS AREA. RE-WORK PIPING AS REQUIRED FOR NEW LAYOUT.

B-LC09-FP100-REV04

## C RESPONSIBILITY SCHEDULE (FIRE PROTECTION)

T= TENANT
GC= GENERAL CONTRACTOR
LL= LANDLORD
MW= MILLWORKER
N/A= NOT APPLICABLE

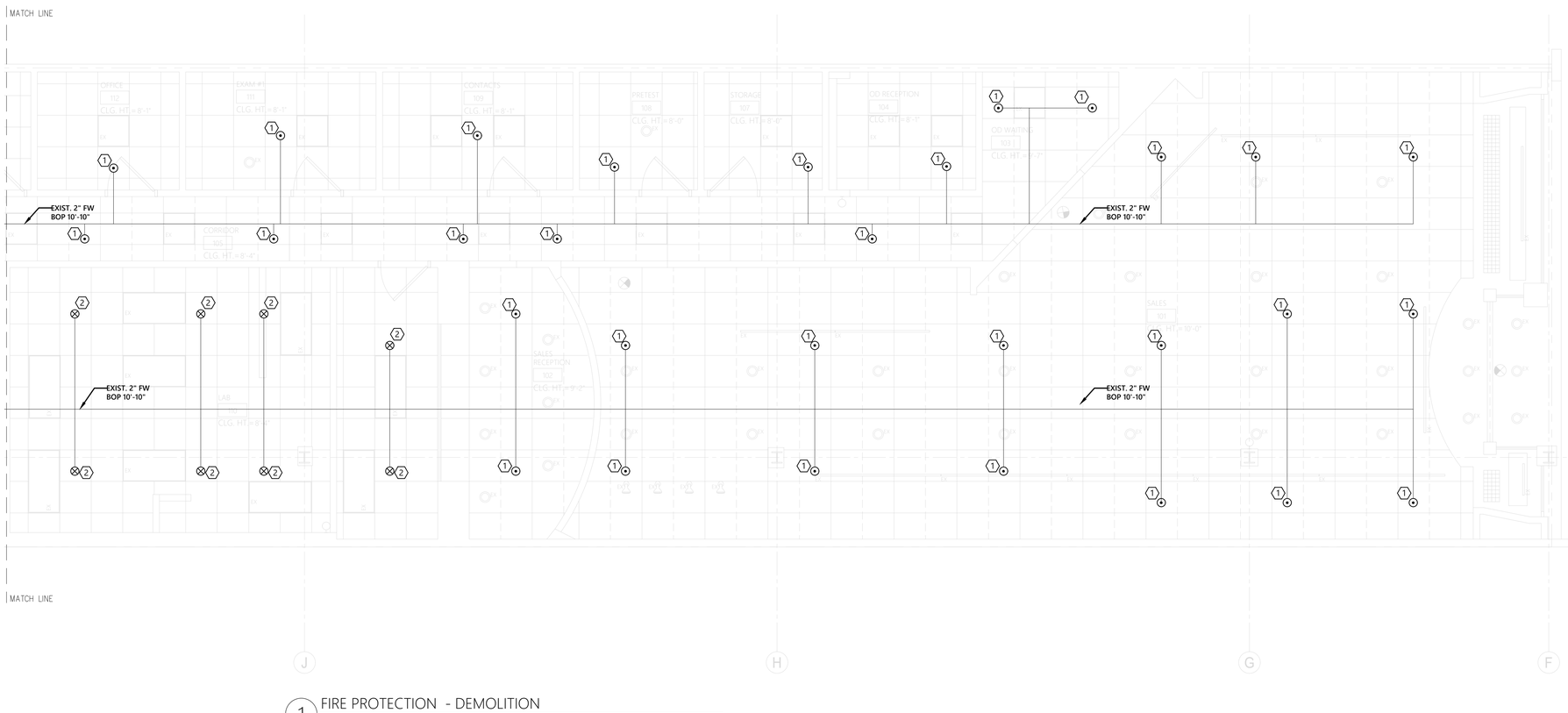
| DIVISION 15000 - FIRE PROTECTION | SUPPLIED BY SUPL | RECEIVED BY RCV | INSTALLED BY INSTL | EXISTING EXIST | POINT OF CONNECTION P & R | RELOCATE RELOC | REMARKS |
|---|---|---|---|---|---|---|---|
| ACCESS PANELS | GC | GC | GC | | | | COORDINATE WITH TRADES FOR SIZE AND LOCATION. |
| SPRINKLER SYSTEM MODIFICATIONS | GC | GC | GC | | | | BY L.L. DESIGNATED CONTRACTOR AT G.C. EXPENSE. GC RESP. FOR MODIFICATIONS, DRAWINGS, AND APPROVALS. |
| FIRE SPRINKLER MAIN | | | | ● | | | |
| SPRINKLER SYSTEM SHOP DRAWINGS AND SUBMITTALS | GC | GC | GC | | | | FIRE PROTECTION CONTRACTOR TO PROVIDE DOCUMENTS FOR AND IS RESPONSIBLE FOR BUILDING DEPARTMENT SUBMITTALS, INCLUDING ASSOCIATED FEES. |

C-LC09-FP100-REV04

## D FIRE PROTECTION DEFERRED SUBMITTAL REQUIREMENTS

A. THE FIRE PROTECTION PLANS IN THIS SET OF DRAWINGS IS FOR DESIGN INTENT.
B. THE GENERAL CONTRACTOR SHALL ENGAGE THE FIRE SPRINKLER CONTRACTOR (WHERE REQUIRED, THE LANDLORD REQUIRED CONTRACTOR) TO COMPLETE AN INSTALLATION THAT IS COMPLIANT WITH APPLICABLE CODES. INCLUDE SUBMITTALS TO THE JURISDICTION AS REQUIRED TO SECURE PERMIT AND CERTIFICATE OF OCCUPANCY. INCLUDE ALL DESIGN AND JURISDICTIONAL FEES AS REQUIRED FOR THIS WORK.
C. FIRE SPRINKLER SHOP DRAWINGS MUST BE SUBMITTED TO ESSILOR LUXOTTICA FOR APPROVAL. THE ARCHITECT AND ESSILOR LUXOTTICA PROJECT MANAGER MUST APPROVE THE SHOP DRAWINGS BEFORE ANY INSTALLATION CAN OCCUR. THE DESIGN INTENT OF THE CEILING IS FOR ALL CEILING ELEMENTS TO BE IN ALIGNMENT WITH EACH OTHER, INCLUDING FIRE ALARM DEVICES AND SPRINKLER HEADS. IF FIRE ALARM AND SPRINKLER HEADS ARE INSTALLED WITHOUT THE PROJECT MANAGER OR ARCHITECTS APPROVAL, THE GENERAL CONTRACTOR IS SUBJECT TO RELOCATING THESE ITEMS, TO ACHIEVE THE DESIRED ALIGNMENT, AT THE GENERAL CONTRACTORS COST.

D-LC09-FP100-REV05




1 FIRE PROTECTION - DEMOLITION
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


**Architect / Engineer of Record**

NORR

150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


**Seal**

Architect / Engineer Job No.: RT2025-0218

EssilorLuxottica DD Set Layout No.: **14**

EssilorLuxottica Project Number: 101399

Brand Design Type: **LC09**

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name: FIRE PROTECTION DEMOLITION PLAN

Date: 05/01/2026
Drawn By: G.LOPEZ
Checked By: G.FISK

Sheet No.: FP100a

## A FIRE PROTECTION LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| ⊙ | CONCEALED QUICK RESPONSE HEAD<br>SUPPLY FACTORY FINISHED CUSTOM COLOR FACE PLATES FOR THE CONCEALED HEADS. PLACE ORDER FOR FACE PLATES UPON AWARD. ITEM IS A LONG LEAD TIME.<br>COLOR TO MATCH ADJACENT CEILING COLOR (SEE NOTE ON THIS SHEET). |
| ⊗ | SEMI RECESSED CHROME QUICK RESPONSE HEAD |
| ⏀ | UPRIGHT SPRINKLER HEAD |
| F | NEW FIRE PROTECTION PIPING |
| EX F | EXISTING FIRE PROTECTION PIPING |
| DOWN UP | PIPE RISERS |
| EX F F | POINT OF CONNECTION (POC) |
| | CAPPED PIPING |

A-LC09-FP100-REV04

## B KEY NOTES - FIRE PROTECTION PLAN

1. DISCONNECT AND REMOVE EXISTING CONCEALED SPRINKLER HEAD IN THIS AREA. RE-WORK PIPING AS REQUIRED FOR NEW LAYOUT.
2. DISCONNECT AND REMOVE EXISTING SEMI RECESSED SPRINKLER HEAD IN THIS AREA. RE-WORK PIPING AS REQUIRED FOR NEW LAYOUT.

B-LC09-FP100-REV04

## C RESPONSIBILITY SCHEDULE (FIRE PROTECTION)

T= TENANT
GC= GENERAL CONTRACTOR
LL= LANDLORD
MW= MILLWORKER
N/A= NOT APPLICABLE

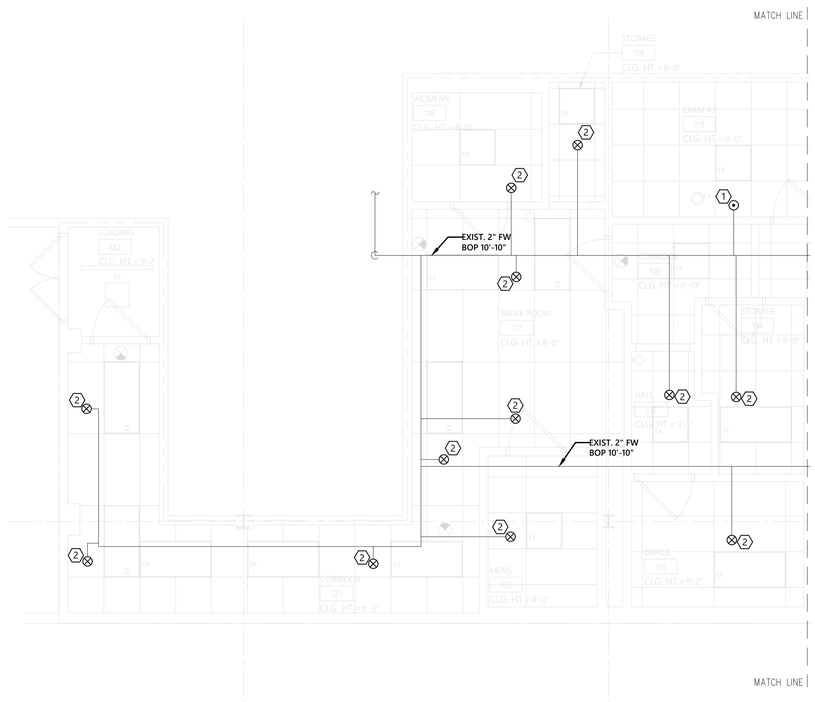
| DIVISION 15000 - FIRE PROTECTION | SUPPLIED BY | RECEIVED BY | INSTALLED BY | EXISTING | CAP/DISC & RECAPPABLE | DEMOLISHED | REMARKS |
|---|---|---|---|---|---|---|---|
| | SUPL | RCV | INSTL | EXG | P & R | DEMO | REMARKS |
| ACCESS PANELS | GC | GC | GC | | | | COORDINATE WITH TRADES FOR SIZE AND LOCATION. |
| SPRINKLER SYSTEM MODIFICATIONS | GC | GC | GC | | | | BY L.L. DESIGNATED CONTRACTOR AT G.C. EXPENSE. GC RESP. FOR MODIFICATIONS, DRAWINGS, AND APPROVALS. |
| FIRE SPRINKLER MAIN | | | | ● | | | |
| SPRINKLER SYSTEM SHOP DRAWINGS AND SUBMITTALS | GC | GC | GC | | | | FIRE PROTECTION CONTRACTOR TO PROVIDE DOCUMENTS FOR AND IS RESPONSIBLE FOR BUILDING DEPARTMENT SUBMITTALS, INCLUDING ASSOCIATED FEES. |

C-LC09-FP100-REV04

## D FIRE PROTECTION DEFERRED SUBMITTAL REQUIREMENTS

A. THE FIRE PROTECTION PLANS IN THIS SET OF DRAWINGS IS FOR DESIGN INTENT.
B. THE GENERAL CONTRACTOR SHALL ENGAGE THE FIRE SPRINKLER CONTRACTOR (WHERE REQUIRED, THE LANDLORD REQUIRED CONTRACTOR) TO COMPLETE AN INSTALLATION THAT IS COMPLIANT WITH APPLICABLE CODES. INCLUDE SUBMITTALS TO THE JURISDICTION AS REQUIRED TO SECURE PERMIT AND CERTIFICATE OF OCCUPANCY. INCLUDE ALL DESIGN AND JURISDICTIONAL FEES AS REQUIRED FOR THIS WORK.
C. FIRE SPRINKLER SHOP DRAWINGS MUST BE SUBMITTED TO ESSILOR LUXOTTICA FOR APPROVAL. THE ARCHITECT AND ESSILOR LUXOTTICA PROJECT MANAGER MUST APPROVE THE SHOP DRAWINGS BEFORE ANY INSTALLATION CAN OCCUR. THE DESIGN INTENT OF THE CEILING IS FOR ALL CEILING ELEMENTS TO BE IN ALIGNMENT WITH EACH OTHER, INCLUDING FIRE ALARM DEVICES AND SPRINKLER HEADS. IF FIRE ALARM AND SPRINKLER HEADS ARE INSTALLED WITHOUT THE PROJECT MANAGER OR ARCHITECTS APPROVAL, THE GENERAL CONTRACTOR IS SUBJECT TO RELOCATING THESE ITEMS, TO ACHIEVE THE DESIRED ALIGNMENT, AT THE GENERAL CONTRACTORS COST.

D-LC09-FP100-REV05




1 FIRE PROTECTION - DEMOLITION
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:


EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

EssilorLuxottica Project Number 101399

Brand Design Type:
LC09

**ISSUED FOR:**

| | |
|---|---|
| ☐ 100% PRELIM | ☐ CONSTRUCTION |
| ☒ 100% FINAL | ☐ ADDENDUM |
| ☐ PERMIT | ☐ BULLETIN |

Sheet Name:
FIRE PROTECTION DEMOLITION PLAN

Date 05/01/2026
Drawn By G.LOPEZ
Checked By G.FISK

Sheet No.:
FP100b

## A FIRE PROTECTION LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| ⊙ | CONCEALED QUICK RESPONSE HEAD<br>SUPPLY FACTORY FINISHED CUSTOM COLOR FACE PLATES FOR THE CONCEALED HEADS. PLACE ORDER FOR FACE PLATES UPON AWARD, ITEM IS A LONG LEAD TIME.<br>COLOR TO MATCH ADJACENT CEILING COLOR (SEE NOTE ON THIS SHEET). |
| ⊗ | SEMI RECESSED CHROME QUICK RESPONSE HEAD |
| ⓘ | UPRIGHT SPRINKLER HEAD |
| F | NEW FIRE PROTECTION PIPING |
| EX F | EXISTING FIRE PROTECTION PIPING |
| DOWN UP | PIPE RISERS |
| EX F F | POINT OF CONNECTION (POC) |
| | CAPPED PIPING |

A-LC09-FP200-REV04

## B FIRE PROTECTION SPECIFICATIONS

SCOPE:
OVERVIEW: THE WORK SHOWN ON THIS DRAWING IS REFLECTING THE GENERAL SCOPE OF WORK FOR THE FIRE PROTECTION CONTRACTOR. ACTUAL AND FINAL DESIGN, INCLUDING ANY SUBMITTALS AND ALL RELATED COSTS, ARE TO BE BORNE BY THE FIRE PROTECTION CONTRACTOR.

THE SCOPE OF THIS INSTALLATION IS TO MODIFY THE EXISTING SPRINKLER SYSTEM THROUGHOUT THE TENANT SPACE AND INSTALL NEW SPRINKLER HEADS FOR THIS TENANT FROM THE EXISTING DISTRIBUTION SYSTEM. DURING BIDDING, VISIT PROJECT FACILITY AND REVIEW THE DRAWINGS FOR ALL OTHER TRADES TO DETERMINE EXISTING CONDITIONS AND THE SCOPE AND EXTENT OF THE REQUIRED WORK. HEADS SHOWN ON DRAWINGS ARE SCHEMATIC ONLY. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR THE EXACT PLACEMENT AND CODE COMPLIANCE. COORDINATE WITH ALL OTHER TRADES.

WHERE APPLICABLE, ALL PIPING SHALL BE CONCEALED ABOVE HUNG CEILINGS AND WITHIN CHASES AND FURRED-IN PASSAGES. PIPING AND SPRINKLER HEADS SHALL BE COORDINATED WITH LIGHTS, DUCTS, ETC. NO STRUCTURAL MEMBER SHALL BE CUT OR DRILLED WITHOUT FIRST OBTAINING WRITTEN PERMISSION FROM THE ENGINEER OR OWNERS REPRESENTATIVE.

OBTAIN AND PAY FOR ALL NECESSARY PERMITS, APPROVALS, INSPECTIONS AND TESTS ASSOCIATED WITH THIS WORK. PROVIDE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS AS REQUIRED FOR APPROVALS FROM STATE AND LOCAL AUTHORITIES. OBTAIN ALL APPROVALS PRIOR TO UNDERTAKING ANY WORK.

PROVIDE ALL REQUIRED SIGNS. PROVIDE ALL REQUIRED SYSTEM ACCESSORIES.

DURING BIDDING, THE CONTRACTOR SHALL MEET WITH THE LOCAL FIRE DEPARTMENT AND LANDLORD TO REVIEW ALL DRAWINGS AND TO DETERMINE THE CRITERIA AND ALL RELATED DETAILS AS REQUIRED TO MEET THE APPROVAL OF THE FIRE DEPARTMENT FOR THE DESIGN AND INSTALLATION OF THE SPRINKLER SYSTEM AND COVERAGE. CONTRACTORS FAILURE TO VERIFY REQUIREMENTS AND CRITERIA DURING BIDDING SHALL NOT RELIEVE THE CONTRACTOR OF COMPLYING WITH THE CRITERIA WITHOUT ADDITIONAL COST TO THE OWNER.

ALL FIRE PROTECTION WORK SHALL BE GOVERNED BY ALL APPLICABLE PORTIONS OF THE SPECIFICATIONS.

THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13. THE BUILDING TENANT'S INSURANCE COMPANY, THE LOCALLY ENFORCED BUILDING CODE, LOCAL BUILDING AND FIRE OFFICIALS AND ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION.

PIPE SUPPORTS: HANGERS, CLAMPS, RODS, AND OTHER ACCESSORIES OF AN APPROVED TYPE AND IN SUFFICIENT NUMBER TO PROPERLY SUPPORT ALL PIPING SHALL BE FURNISHED AND INSTALLED. PIPING SHALL BE SUPPORTED BY ROUND WROUGHT U-TYPE APPROVED ADJUSTABLE HANGERS.

ALL SPRINKLER PLANS SHALL BEAR THE STAMP OF A REGISTERED PROFESSIONAL FIRE PROTECTION ENGINEER LICENSED WITH THE STATE WHERE THE STORE IS LOCATED.

ALL SPRINKLER HEADS LOCATED IN CEILING TILE SHALL BE CENTERED IN 2X2 TILE.

BUILDING IS MERCANTILE OCCUPANCY.

ACCEPTANCE TESTING SHALL INCLUDE:
- HYDRO-TESTING OF PIPING AT 200 PSI FOR 2 HOURS.
- OPERATIONAL TEST OF FLOW SWITCH, VIA THE INSPECTORS TEST CONNECTION.
- OPERATIONAL TEST OF TAMPER SWITCHES.
- MAIN DRAIN TEST.
- OPERATIONAL TEST OF CONTROL VALVES, WHILE UNDER SYSTEM PRESSURE.

PENETRATIONS OF FIRE RATED ASSEMBLIES TO BE FIRE-CAULKED PER AN UL LISTED DETAIL, TO BE SHOWN ON THE SHOP DWGS.

DESIGN APPROACH:
INDICATE A HYDRAULICALLY CALCULATED FIRE PROTECTION SPRINKLER SYSTEM IN ACCORDANCE WITH LANDLORD'S INSURANCE UNDERWRITERS FIRE RATING INSPECTION BUREAU AND ALL CODES. SUBMIT SHOP DRAWINGS. VERIFY AVAILABLE WATER SUPPLY STATIC, RESIDUAL PSI, AND GPM OF FLOW NUMBERS WITH MALL OPERATIONS DIRECTOR PRIOR TO BID

PIPING TO BE STEEL WITH COMPATIBLE FITTINGS PER NFPA 13. USE SCH-40 FOR BRANCHLINES, AND SCH-10 FOR MAINS. OTHER DEVICES AND MATERIALS TO BE PER NFPA 13.

THE LANDLORD REQUIRES NOTICE PRIOR TO PERFORMING WORK ON THE EXISTING SPRINKLER SYSTEM. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH LANDLORD AND FOR ALL ASSOCIATED COSTS WITH DRAIN DOWNS AND REFILLING OF THE SPRINKLER SYSTEM.

GC TO HIRE LANDLORD PREFERRED CONTRACTOR FOR ALL SPRINKLER WORK. LANDLORD'S SPRINKLER CONTRACTOR MUST BE USED FOR ALL SPRINKLER & ASSOCIATED WORK. COORDINATE WITH GC. FOR INSTALLER INFO.

VERIFY ALL CONDITIONS IN FIELD PRIOR TO BIDS.

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF THE CONTRACT TO INSPECT EXIS. FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXIS. CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT THE CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

LAYOUT OF ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION WORK SHALL BE CAREFULLY PLANNED AND COORDINATED WITH EACH OTHER AND ARCHITECTURAL REFLECTED CEILING PLANS TO ENSURE THAT CEILING HEIGHTS INDICATED WILL BE MAINTAINED. NOTIFY ARCHITECT IN ADVANCE IF POTENTIAL CONFLICTS MAY EXIST. MODIFICATIONS TO WORK IN PLACE DUE TO FAILURE TO PROPERLY COORDINATE LAYOUTS WITH OTHER TRADES SHALL BE AT THE CONTRACTORS EXPENSE.

SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL FIRE MARSHALL AND RECEIVE THEIR APPROVAL BEFORE ANY INSTALLATION CAN BEGIN. APPROVED DRAWINGS MUST BE AT THE JOB SITE DURING CONSTRUCTION. PROVIDE A COPY OF THE APPROVAL LETTER TO THE ARCHITECT.

SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNER AND THE LOCAL FACTORY MUTUAL OFFICE TO RECEIVE THEIR APPROVAL BEFORE ANY INSTALLATION CAN BEGIN. APPROVED DRAWINGS MUST BE AT THE JOBSITE DURING CONSTRUCTION.

SUBMIT DATA ON THE FOLLOWING ITEMS:
- PIPING AND COUPLINGS.
- WET ALARM VALVE.
- BACKFLOW PREVENTER.
- VALVES AND SUPERVISORY DEVICES.
- SPRINKLER HEADS AND ESCUTCHEON PLATES.
- SUPPORTS, HANGERS AND ACCESSORIES.
- SEISMIC CALCULATIONS.

PLANS SUBMITTED WITHOUT ALL HYDRAULIC CALCULATIONS WILL BE RETURNED "REJECTED". PROVIDE INDEPENDENT HYDRAULIC CALCULATION SHEETS.

AT THE COMPLETION OF THE PROJECT, PROVIDE TENANT WITH OPERATION AND MAINTENANCE MANUALS INCLUDING "AS-BUILT" RECORD DRAWINGS, SPECIFICATIONS AND APPROVED PLANS.

PLUMBING, HEATING AND ELECTRICAL CONTRACTOR TO COORDINATE EQUIPMENT, DUCT, PIPING, AND CONDUIT INSTALLATIONS TO ASSURE PROPER CLEARANCES AND NEEDED ROOM TO INSTALL RESPECTIVE SYSTEMS. ALL CONTRACTORS TO COORDINATE PIPE PENETRATIONS THROUGH WALLS AND ROOF, PATCH TO MEET CODES.

ALL EQUIPMENT INSTALLATIONS, INCLUDING RELATED DUCTS, PIPING, VENTS, WIRING, CONTROLS, VALVES, ETC.,., SHALL COMPLY WITH NATIONAL ELECTRICAL CODE (NEC) ARTICLE 110, PARA. 110-16, SUB. a., AND ARTICLE 384, PAR. 384-4. EACH DISCIPLINE SHALL BE RESPONSIBLE FOR THE PROVISIONS SET FORTH IN THE ABOVE NEC ARTICLES.

B-LC09-FP200-REV05

## C GENERAL FIRE PROTECTION NOTES

1. PROVIDE FIRE STOPPING FOR ALL PENETRATIONS OF FIRE WALLS. PROVIDE THROUGH WALL FIRE STOPPING FOR ALL LOCATIONS WHERE JUNCTION BOXES IN A DEMISING WALL, OR OTHER FIRE WALL.

C-LC09-FP200-REV04

## D SPRINKLER COVER PLATE CUSTOM FINISH

THIS IS A GC SUPPLIED AND INSTALLED ITEM.
TO ORDER, CONTACT QUICK RESPONSE FIRE SUPPLY (888) 361-6662. THERE WILL BE A PAINT SETUP FEE "PER ORDER". INFORMATION TO HAVE READY:
- SPRINKLER IDENTIFICATION NUMBER OR SIN #(TYPICALLY ON SPRINKLER HEAD BEGINNING WITH 1-2 LETTERS FOLLOWED BY 3-4 #S.)
- QUANTITY
- BENJAMIN MOORE PAINT #, PAINT NAME, & PAINT SHEEN.

THIS IS A 6-8 WEEK LEAD TIME AND MUST BE ORDERED UPON AWARD OF THE PROJECT.

D-LC09-FP200-REV04

## E DEFERRED SUBMITTAL REQUIREMENTS

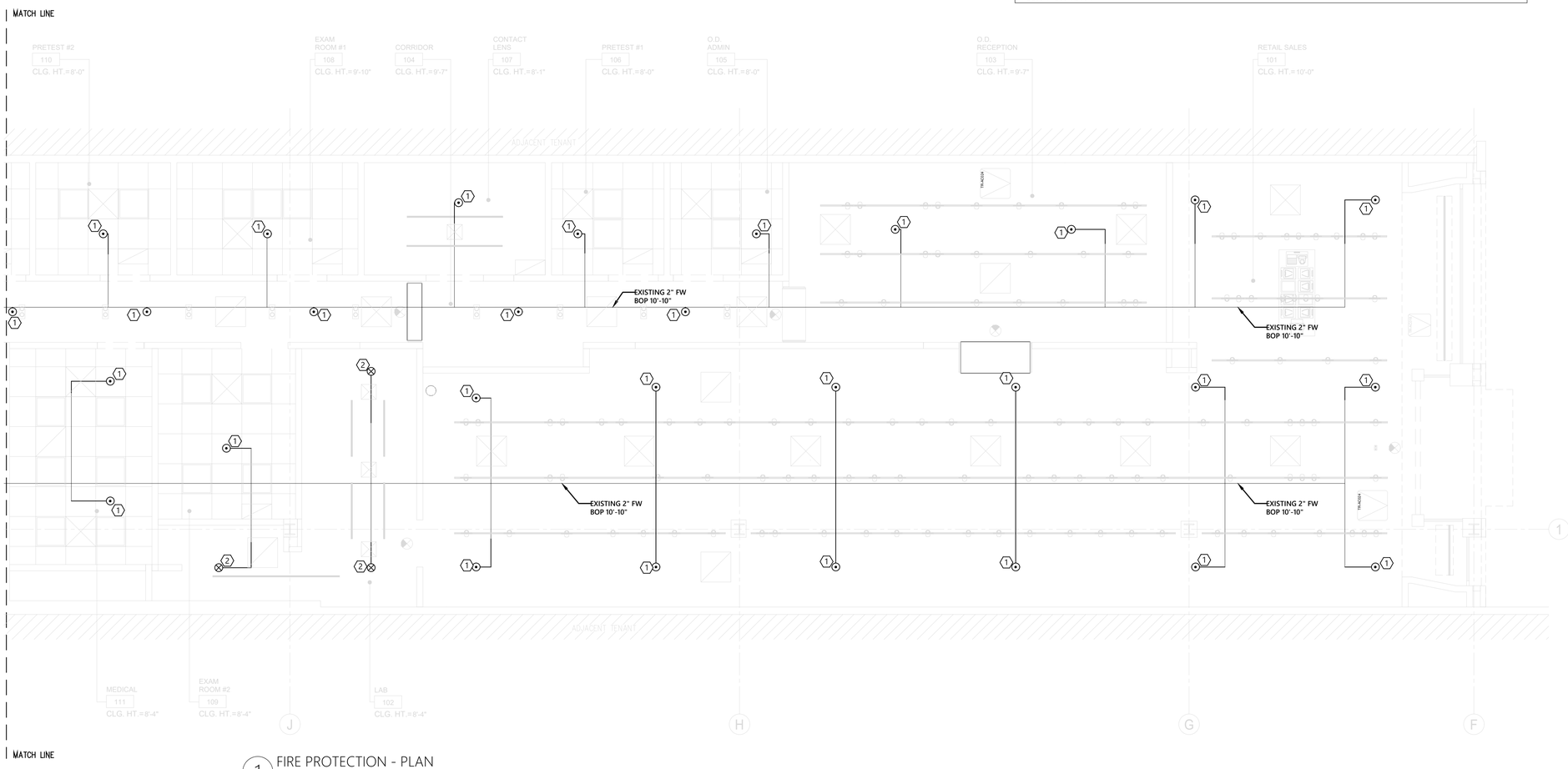
A. THE FIRE PROTECTION PLANS IN THIS SET OF DRAWINGS IS FOR DESIGN INTENT.
B. THE GENERAL CONTRACTOR SHALL ENGAGE THE FIRE SPRINKLER CONTRACTOR (WHERE REQUIRED, THE LANDLORD REQUIRED CONTRACTOR) TO COMPLETE AN INSTALLATION THAT IS COMPLIANT WITH APPLICABLE CODES. INCLUDE SUBMITTALS TO THE JURISDICTION AS REQUIRED TO SECURE PERMIT AND CERTIFICATE OF OCCUPANCY. INCLUDE ALL DESIGN AND JURISDICTIONAL FEES AS REQUIRED FOR THIS WORK.
C. FIRE SPRINKLER SHOP DRAWINGS MUST BE SUBMITTED TO ESSILOR LUXOTTICA FOR APPROVAL THE ARCHITECT AND ESSILOR LUXOTTICA PROJECT MANAGER MUST APPROVE THE SHOP DRAWINGS BEFORE ANY INSTALLATION CAN OCCUR. THE DESIGN INTENT OF THE CEILING IS FOR ALL CEILING ELEMENTS TO BE IN ALIGNMENT WITH EACH OTHER, INCLUDING FIRE ALARM DEVICES AND SPRINKLER HEADS. IF FIRE ALARM AND SPRINKLER HEADS ARE INSTALLED WITHOUT THE PROJECT MANAGER OR ARCHITECTS APPROVAL, THE GENERAL CONTRACTOR IS SUBJECT TO RELOCATING THESE ITEMS, TO ACHIEVE THE DESIRED ALIGNMENT, AT THE GENERAL CONTRACTORS COST.

E-LC09-FP200-REV05

## F KEY NOTES - FIRE PROTECTION PLAN

1. PROVIDE NEW CONCEALED SPRINKLERS IN SPACE. NOTE PLACEMENT OF HEADS ON THIS PLAN IS FOR UNIFORMITY, STYLE OF HEAD AND CEILING APPEARANCE. FIRE PROTECTION CONTRACTOR HAS THE LATITUDE TO ADJUST THE HEADS WHERE REQUIRED BY CODE OR CALCULATION BUT MUST BE COORDINATED WITH ARCHITECT FOR DESIGN INTENT PLACEMENT. MAINTAIN SYMMETRY IN TILES AND IN SOFFITS. WHERE INSTALLED IN ACT CEILINGS, CENTER HEADS IN CEILING TILE (SEE REFLECTED CEILING PLAN). SPRINKLER HEAD COVER TO MATCH ADJACENT CEILING FINISH. HEAD TO BE FACTORY FINISHED IN ALL SALES FLOOR LOCATIONS. COORDINATE WITH G.C.
2. PROVIDE NEW SEMI-RECESSED SPRINKLERS IN SPACE. NOTE PLACEMENT OF HEADS ON THIS PLAN IS FOR UNIFORMITY, STYLE OF HEAD AND CEILING APPEARANCE. FIRE PROTECTION CONTRACTOR HAS THE LATITUDE TO ADJUST THE HEADS WHERE REQUIRED BY CODE OR CALCULATION BUT MUST BE COORDINATED WITH ARCHITECT FOR DESIGN INTENT PLACEMENT. MAINTAIN SYMMETRY IN TILES AND IN SOFFITS. WHERE INSTALLED IN ACT CEILINGS, CENTER HEADS IN CEILING TILE (SEE REFLECTED CEILING PLAN). SPRINKLER HEAD COVER TO MATCH ADJACENT CEILING FINISH. HEAD TO BE FACTORY FINISHED IN ALL SALES FLOOR LOCATIONS. COORDINATE WITH G.C.

F-LC09-FP200-REV04




1 FIRE PROTECTION - PLAN
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:


EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200


STORE 518
THE MALL IN COLUMBIA
10300 LITTLE PATUXENT PKWY
SUITE: 1005
COLUMBIA, MD 21044

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

Revisions:

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |

Architect / Engineer of Record


NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


Seal

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
14

EssilorLuxottica Project Number 101399

Brand Design Type:
LC09

ISSUED FOR:
- ☐ 100% PRELIM
- ☒ 100% FINAL
- ☐ PERMIT
- ☐ CONSTRUCTION
- ☐ ADDENDUM
- ☐ BULLETIN

Sheet Name:
FIRE PROTECTION PLAN

Date 05/01/2026
Drawn By G. LOPEZ
Checked By G. FISK
Sheet No.: FP200a

## A FIRE PROTECTION LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| ⊙ | CONCEALED QUICK RESPONSE HEAD<br>SUPPLY FACTORY FINISHED CUSTOM COLOR FACE PLATES FOR THE CONCEALED HEADS. PLACE ORDER FOR FACE PLATES UPON AWARD. ITEM IS A LONG LEAD TIME. COLOR TO MATCH ADJACENT CEILING COLOR (SEE NOTE ON THIS SHEET). |
| ⊗ | SEMI RECESSED CHROME QUICK RESPONSE HEAD |
| ⓘ | UPRIGHT SPRINKLER HEAD |
| F | NEW FIRE PROTECTION PIPING |
| EX F | EXISTING FIRE PROTECTION PIPING |
| DOWN UP | PIPE RISERS |
| EX F F | POINT OF CONNECTION (POC) |
| | CAPPED PIPING |

A-LC09-FP200-REV04

## B FIRE PROTECTION SPECIFICATIONS

SCOPE:
OVERVIEW: THE WORK SHOWN ON THIS DRAWING IS REFLECTING THE GENERAL SCOPE OF WORK FOR THE FIRE PROTECTION CONTRACTOR. ACTUAL AND FINAL DESIGN, INCLUDING ANY SUBMITTALS AND ALL RELATED COSTS, ARE TO BE BORNE BY THE FIRE PROTECTION CONTRACTOR.

THE SCOPE OF THIS INSTALLATION IS TO MODIFY THE EXISTING SPRINKLER SYSTEM THROUGHOUT THE TENANT SPACE AND INSTALL NEW SPRINKLER HEADS FOR THIS TENANT FROM THE EXISTING DISTRIBUTION SYSTEM. DURING BIDDING, VISIT PROJECT FACILITY AND REVIEW THE DRAWINGS FOR ALL OTHER TRADES TO DETERMINE EXISTING CONDITIONS AND THE SCOPE AND EXTENT OF THE REQUIRED WORK. HEADS SHOWN ON DRAWINGS ARE SCHEMATIC ONLY. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR THE EXACT PLACEMENT AND CODE COMPLIANCE. COORDINATE WITH ALL OTHER TRADES.

WHERE APPLICABLE, ALL PIPING SHALL BE CONCEALED ABOVE HUNG CEILINGS AND WITHIN CHASES AND FURRED-IN PASSAGES. PIPING AND SPRINKLER HEADS SHALL BE COORDINATED WITH LIGHTS, DUCTS, ETC. NO STRUCTURAL MEMBER SHALL BE CUT OR DRILLED WITHOUT FIRST OBTAINING WRITTEN PERMISSION FROM THE ENGINEER OR OWNERS REPRESENTATIVE.

OBTAIN AND PAY FOR ALL NECESSARY PERMITS, APPROVALS, INSPECTIONS AND TESTS ASSOCIATED WITH THIS WORK. PROVIDE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS AS REQUIRED FOR APPROVALS FROM STATE AND LOCAL AUTHORITIES. OBTAIN ALL APPROVALS PRIOR TO UNDERTAKING ANY WORK.

PROVIDE ALL REQUIRED SIGNS. PROVIDE ALL REQUIRED SYSTEM ACCESSORIES.

DURING BIDDING, THE CONTRACTOR SHALL MEET WITH THE LOCAL FIRE DEPARTMENT AND LANDLORD TO REVIEW ALL DRAWINGS AND TO DETERMINE THE CRITERIA AND ALL RELATED DETAILS AS REQUIRED TO MEET THE APPROVAL OF THE FIRE DEPARTMENT FOR THE DESIGN AND INSTALLATION OF THE SPRINKLER SYSTEM AND COVERAGE. CONTRACTORS FAILURE TO VERIFY REQUIREMENTS AND CRITERIA DURING BIDDING SHALL NOT RELIEVE THE CONTRACTOR OF COMPLYING WITH THE CRITERIA WITHOUT ADDITIONAL COST TO THE OWNER.

ALL FIRE PROTECTION WORK SHALL BE GOVERNED BY ALL APPLICABLE PORTIONS OF THE SPECIFICATIONS.

THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13, THE BUILDING TENANT'S INSURANCE COMPANY, THE LOCALLY ENFORCED BUILDING CODE, LOCAL BUILDING AND FIRE OFFICIALS AND ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION.

PIPE SUPPORTS: HANGERS, CLAMPS, RODS, AND OTHER ACCESSORIES OF AN APPROVED TYPE AND IN SUFFICIENT NUMBER TO PROPERLY SUPPORT ALL PIPING SHALL BE FURNISHED AND INSTALLED. PIPING SHALL BE SUPPORTED BY ROUND WROUGHT U-TYPE APPROVED ADJUSTABLE HANGERS.

ALL SPRINKLER PLANS SHALL BEAR THE STAMP OF A REGISTERED PROFESSIONAL FIRE PROTECTION ENGINEER LICENSED WITH THE STATE WHERE THE STORE IS LOCATED.

ALL SPRINKLER HEADS LOCATED IN CEILING TILE SHALL BE CENTERED IN 2X2 TILE.

BUILDING IS MERCANTILE OCCUPANCY.

ACCEPTANCE TESTING SHALL INCLUDE:
- HYDRO-TESTING OF PIPING AT 200 PSI FOR 2 HOURS.
- OPERATIONAL TEST OF FLOW SWITCH, VIA THE INSPECTORS TEST CONNECTION.
- OPERATIONAL TEST OF TAMPER SWITCHES.
- MAIN DRAIN TEST.
- OPERATIONAL TEST OF CONTROL VALVES, WHILE UNDER SYSTEM PRESSURE.

PENETRATIONS OF FIRE RATED ASSEMBLIES TO BE FIRE-CAULKED PER AN UL LISTED DETAIL, TO BE SHOWN ON THE SHOP DWGS.

DESIGN APPROACH:
INDICATE A HYDRAULICALLY CALCULATED FIRE PROTECTION SPRINKLER SYSTEM IN ACCORDANCE WITH LANDLORD'S INSURANCE UNDERWRITERS FIRE RATING INSPECTION BUREAU AND ALL CODES. SUBMIT SHOP DRAWINGS. VERIFY AVAILABLE WATER SUPPLY STATIC, RESIDUAL PSI, AND GPM OF FLOW NUMBERS WITH MALL OPERATIONS DIRECTOR PRIOR TO BID

PIPING TO BE STEEL WITH COMPATIBLE FITTINGS PER NFPA 13. USE SCH-40 FOR BRANCHLINES, AND SCH-10 FOR MAINS. OTHER DEVICES AND MATERIALS TO BE PER NFPA 13.

THE LANDLORD REQUIRES NOTICE PRIOR TO PERFORMING WORK ON THE EXISTING SPRINKLER SYSTEM. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH LANDLORD AND FOR ALL ASSOCIATED COSTS WITH DRAIN DOWNS AND REFILLING OF THE SPRINKLER SYSTEM.

GC TO HIRE LANDLORD PREFERRED CONTRACTOR FOR ALL SPRINKLER WORK. LANDLORD'S SPRINKLER CONTRACTOR MUST BE USED FOR ALL SPRINKLER & ASSOCIATED WORK. COORDINATE WITH GC. FOR INSTALLER INFO.

VERIFY ALL CONDITIONS IN FIELD PRIOR TO BIDS.

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF THE CONTRACT TO INSPECT EXIS. FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXIS. CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT THE CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

LAYOUT OF ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION WORK SHALL BE CAREFULLY PLANNED AND COORDINATED WITH EACH OTHER AND ARCHITECTURAL REFLECTED CEILING PLANS TO ENSURE THAT CEILING HEIGHTS INDICATED WILL BE MAINTAINED. NOTIFY ARCHITECT IN ADVANCE IF POTENTIAL CONFLICTS MAY EXIST. MODIFICATIONS TO WORK IN PLACE DUE TO FAILURE TO PROPERLY COORDINATE LAYOUTS WITH OTHER TRADES SHALL BE AT THE CONTRACTORS EXPENSE.

SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL FIRE MARSHALL AND RECEIVE THEIR APPROVAL BEFORE ANY INSTALLATION CAN BEGIN. APPROVED DRAWINGS MUST BE AT THE JOB SITE DURING CONSTRUCTION. PROVIDE A COPY OF THE APPROVAL LETTER TO THE ARCHITECT.

SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNER AND THE LOCAL FACTORY MUTUAL OFFICE TO RECEIVE THEIR APPROVAL BEFORE ANY INSTALLATION CAN BEGIN. APPROVED DRAWINGS MUST BE AT THE JOBSITE DURING CONSTRUCTION.

SUBMIT DATA ON THE FOLLOWING ITEMS:
- PIPING AND COUPLINGS.
- WET ALARM VALVE.
- BACKFLOW PREVENTER.
- VALVES AND SUPERVISORY DEVICES.
- SPRINKLER HEADS AND ESCUTCHEON PLATES.
- SUPPORTS, HANGERS AND ACCESSORIES.
- SEISMIC CALCULATIONS.

PLANS SUBMITTED WITHOUT ALL HYDRAULIC CALCULATIONS WILL BE RETURNED "REJECTED". PROVIDE INDEPENDENT HYDRAULIC CALCULATION SHEETS.

AT THE COMPLETION OF THE PROJECT, PROVIDE TENANT WITH OPERATION AND MAINTENANCE MANUALS INCLUDING "AS-BUILT" RECORD DRAWINGS, SPECIFICATIONS AND APPROVED PLANS.

PLUMBING, HEATING AND ELECTRICAL CONTRACTOR TO COORDINATE EQUIPMENT, DUCT, PIPING, AND CONDUIT INSTALLATIONS TO ASSURE PROPER CLEARANCES AND NEEDED ROOM TO INSTALL RESPECTIVE SYSTEMS. ALL CONTRACTORS TO COORDINATE PIPE PENETRATIONS THROUGH WALLS AND ROOF, PATCH TO MEET CODES.

ALL EQUIPMENT INSTALLATIONS, INCLUDING RELATED DUCTS, PIPING, VENTS, WIRING, CONTROLS, VALVES, ETC.,, SHALL COMPLY WITH NATIONAL ELECTRICAL CODE (NEC) ARTICLE 110, PARA. 110-16, SUB. a., AND ARTICLE 384, PAR. 384-4. EACH DISCIPLINE SHALL BE RESPONSIBLE FOR THE PROVISIONS SET FORTH IN THE ABOVE NEC ARTICLES.

B-LC09-FP200-REV05

## C GENERAL FIRE PROTECTION NOTES

1. PROVIDE FIRE STOPPING FOR ALL PENETRATIONS OF FIRE WALLS. PROVIDE THROUGH WALL FIRE STOPPING FOR ALL LOCATIONS WHERE JUNCTION BOXES IN A DEMISING WALL, OR OTHER FIRE WALL.

C-LC09-FP200-REV04

## D SPRINKLER COVER PLATE CUSTOM FINISH

THIS IS A GC SUPPLIED AND INSTALLED ITEM.
TO ORDER, CONTACT QUICK RESPONSE FIRE SUPPLY (888) 361-6662. THERE WILL BE A PAINT SETUP FEE "PER ORDER". INFORMATION TO HAVE READY:
- SPRINKLER IDENTIFICATION NUMBER OR SIN #(TYPICALLY ON SPRINKLER HEAD BEGINNING WITH 1-2 LETTERS FOLLOWED BY 3-4 #S.)
- QUANTITY
- BENJAMIN MOORE PAINT #, PAINT NAME, & PAINT SHEEN.

THIS IS A 6-8 WEEK LEAD TIME AND MUST BE ORDERED UPON AWARD OF THE PROJECT.

D-LC09-FP200-REV04

## E DEFERRED SUBMITTAL REQUIREMENTS

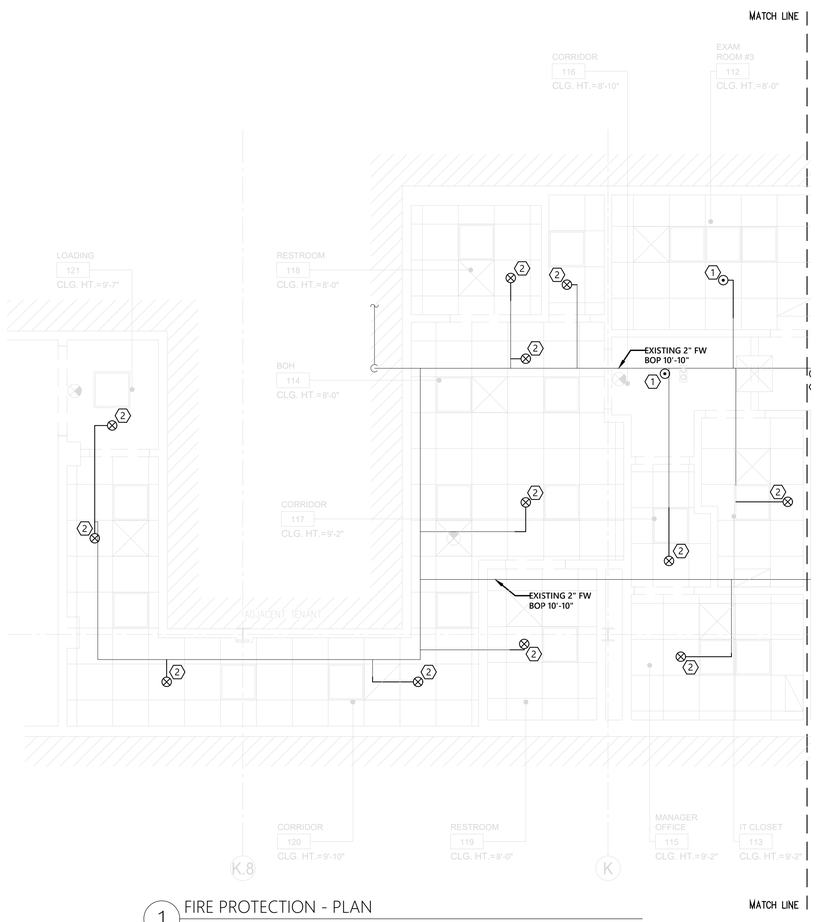
A. THE FIRE PROTECTION PLANS IN THIS SET OF DRAWINGS IS FOR DESIGN INTENT.
B. THE GENERAL CONTRACTOR SHALL ENGAGE THE FIRE SPRINKLER CONTRACTOR (WHERE REQUIRED, THE LANDLORD REQUIRED CONTRACTOR) TO COMPLETE AN INSTALLATION THAT IS COMPLIANT WITH APPLICABLE CODES. INCLUDE SUBMITTALS TO THE JURISDICTION AS REQUIRED TO SECURE PERMIT AND CERTIFICATE OF OCCUPANCY. INCLUDE ALL DESIGN AND JURISDICTIONAL FEES AS REQUIRED FOR THIS WORK.
C. FIRE SPRINKLER SHOP DRAWINGS MUST BE SUBMITTED TO ESSILOR LUXOTTICA FOR APPROVAL. THE ARCHITECT AND ESSILOR LUXOTTICA PROJECT MANAGER MUST APPROVE THE SHOP DRAWINGS BEFORE ANY INSTALLATION CAN OCCUR. THE DESIGN INTENT OF THE CEILING IS FOR ALL CEILING ELEMENTS TO BE IN ALIGNMENT WITH EACH OTHER, INCLUDING FIRE ALARM DEVICES AND SPRINKLER HEADS. IF FIRE ALARM AND SPRINKLER HEADS ARE INSTALLED WITHOUT THE PROJECT MANAGER OR ARCHITECTS APPROVAL, THE GENERAL CONTRACTOR IS SUBJECT TO RELOCATING THESE ITEMS, TO ACHIEVE THE DESIRED ALIGNMENT, AT THE GENERAL CONTRACTORS COST.

E-LC09-FP200-REV05

## F KEY NOTES - FIRE PROTECTION PLAN

1. PROVIDE NEW CONCEALED SPRINKLERS IN SPACE. NOTE PLACEMENT OF HEADS ON THIS PLAN IS FOR UNIFORMITY, STYLE OF HEAD AND CEILING APPEARANCE. FIRE PROTECTION CONTRACTOR HAS THE LATITUDE TO ADJUST THE HEADS WHERE REQUIRED BY CODE OR CALCULATION BUT MUST BE COORDINATED WITH ARCHITECT FOR DESIGN INTENT PLACEMENT. MAINTAIN SYMMETRY IN TILES AND IN SOFFITS. WHERE INSTALLED IN ACT CEILINGS, CENTER HEADS IN CEILING TILE (SEE REFLECTED CEILING PLAN). SPRINKLER HEAD COVER TO MATCH ADJACENT CEILING FINISH. HEAD TO BE FACTORY FINISHED IN ALL SALES FLOOR LOCATIONS. COORDINATE WITH G.C.
2. PROVIDE NEW SEMI-RECESSED SPRINKLERS IN SPACE. NOTE PLACEMENT OF HEADS ON THIS PLAN IS FOR UNIFORMITY, STYLE OF HEAD AND CEILING APPEARANCE. FIRE PROTECTION CONTRACTOR HAS THE LATITUDE TO ADJUST THE HEADS WHERE REQUIRED BY CODE OR CALCULATION BUT MUST BE COORDINATED WITH ARCHITECT FOR DESIGN INTENT PLACEMENT. MAINTAIN SYMMETRY IN TILES AND IN SOFFITS. WHERE INSTALLED IN ACT CEILINGS, CENTER HEADS IN CEILING TILE (SEE REFLECTED CEILING PLAN). SPRINKLER HEAD COVER TO MATCH ADJACENT CEILING FINISH. HEAD TO BE FACTORY FINISHED IN ALL SALES FLOOR LOCATIONS. COORDINATE WITH G.C.

F-LC09-FP200-REV04




1 FIRE PROTECTION - PLAN
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
+1 212.302.1200

**STORE 518**
**THE MALL IN COLUMBIA**
**10300 LITTLE PATUXENT PKWY**
**SUITE: 1005**
**COLUMBIA, MD 21044**

Construction for:

LENSCRAFTERS
A Brand of EssilorLuxottica

**Revisions:**

| Mark | Date | By |
|---|---|---|
| △ | 4/10/2026 100% PRELIMINARY CDs | |
| △ | 5/1/2026 100% CDs | |
| △ | 5/1/2026 PERMIT SET | |
| △ | | |
| △ | | |
| △ | | |
| △ | | |


**Architect / Engineer of Record**

NORR
150 W. Jefferson Ave. Suite 1300
Detroit, MI 48226
(313) 324-3100
www.norr.com

CoolSys ENERGY DESIGN CONSULTING ENGINEERS
4 Independence Way, Suite 401 Princeton, NJ 08540
+1 (609) 751-9655 office
+1 (609) 751-9658 fax
www.coolsysenergydesign.com


**Seal**

Architect / Engineer Job No.:
RT2025-0218

EssilorLuxottica DD Set Layout No.:
**14**

EssilorLuxottica Project Number 101399

Brand Design Type:
**LC09**

**ISSUED FOR:**
- ☐ 100% PRELIM
- ☒ 100% FINAL
- ☐ PERMIT
- ☐ CONSTRUCTION
- ☐ ADDENDUM
- ☐ BULLETIN

Sheet Name:
FIRE PROTECTION PLAN

Date: 05/01/2026
Drawn By: G. LOPEZ
Checked By: G. FISK
Sheet No.: FP200b